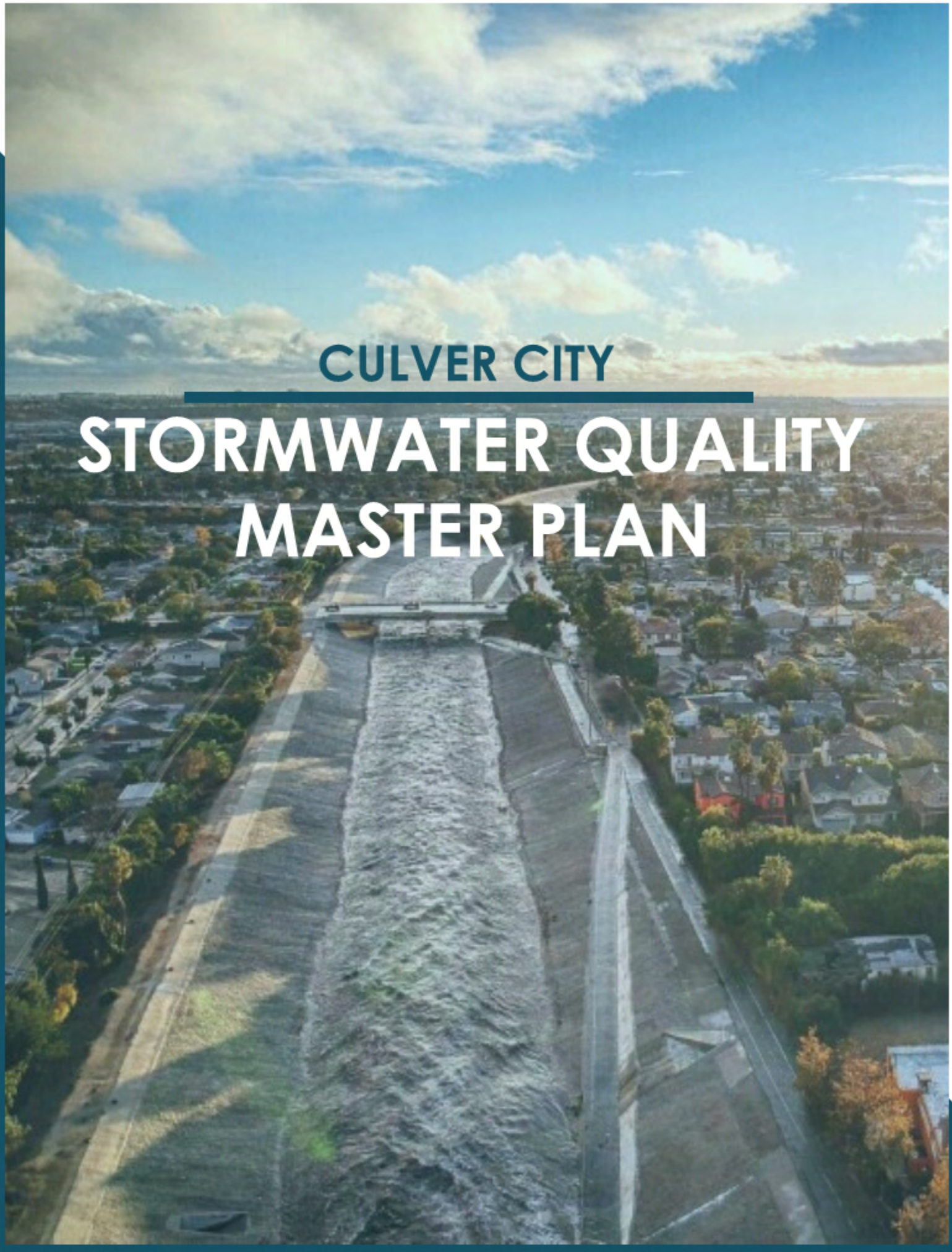

CULVER CITY

STORMWATER QUALITY MASTER PLAN

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EXECUTIVE SUMMARY

The City of Culver City (City) straddles the Ballona Creek and dips a toe into the Marina Del Rey watershed. When it rains, surface runoff drains into the concrete-lined banks of the Ballona Creek by a network of underground storm drain pipes and channels. This system is referred to as the municipal separate storm sewer system (MS4).

The federal Clean Water Act establishes the National Pollutant Discharge Elimination System (NPDES) permit program, regulated by the State and Regional Water Boards, to control discharge of pollutants into waters of the United State (US). The City is a permittee of the 2012 Los Angeles MS4 Permit (Order NO. R4-2012-0175; NPDES Permit No. CAS004001). These federal and state regulations establish beneficial uses and then water quality targets to prevent water bodies from becoming impaired by specific pollutants and/or to address such impairments. These pollutant load limits and the timelines to achieve them are referred to as total maximum daily loads (TMDLs). The Ballona Creek Watershed is subject to TMDLs for metals and bacteria (among numerous others), both of which require full compliance by 2021. Elevated levels of metal negatively impact aquatic life, and elevated levels of bacteria can pose potential health risks to humans. Both pollutants negatively impact the beneficial uses identified for the receiving water, Ballona Creek.

The City is a member of the Ballona Creek Enhanced Watershed Management Program (BC EWMP), as well as the Marina Del Rey Enhanced Watershed Management Program (MdR EWMP), both adopted by the Los Angeles Regional Water Quality Control Board (RWQCB) as MS4 Permit compliance pathways. The EWMPs provide guidance for the watershed on how to achieve stormwater quality goals, as well as general guidance for the City. However, a more specific strategy is required to plan, design, and construct water quality projects in the City to meet water quality goals efficiently.

The City has developed a Stormwater Quality Master Plan (SWQMP) to guide proposed actions for compliance with the MS4 permit and EWMPs, and ultimately achieve the TMDL requirements that drive these regulations. To meet compliance goals set by the MdR EWMP, one project is currently in design and will soon be constructed. Therefore, this SWQMP addresses the Ballona Creek watershed. This plan is intended to be used as a custom compliance tool for the City to achieve stormwater quality goals efficiently, identify and prioritize projects, maximize funding opportunities, and engage with the community, stakeholders, and potential project partners.

ES.1 Stormwater Quality Goals

A Reasonable Assurance Analysis (RAA) was completed as part of the BC EWMP to demonstrate that the proposed best management practice (BMP) approach will achieve water quality goals. The RAA simplified the water quality targets for numerous pollutants derived from applicable TMDLs to "limiting pollutants", or pollutants that require the most treatment to address. By achieving the water quality targets for these limiting pollutants, control of the other pollutants can be demonstrated. The RAA showed that zinc and Escherichia coli (*E. coli*) were the limiting pollutants for the Ballona Creek Watershed because they would require the largest structural control measures by capacity:

1. 50 percent compliance for Ballona Creek Metals TMDL by 2016 ($21 million)
2. 100 percent compliance for Ballona Creek Metals TMDL by 2021 ($96 million)

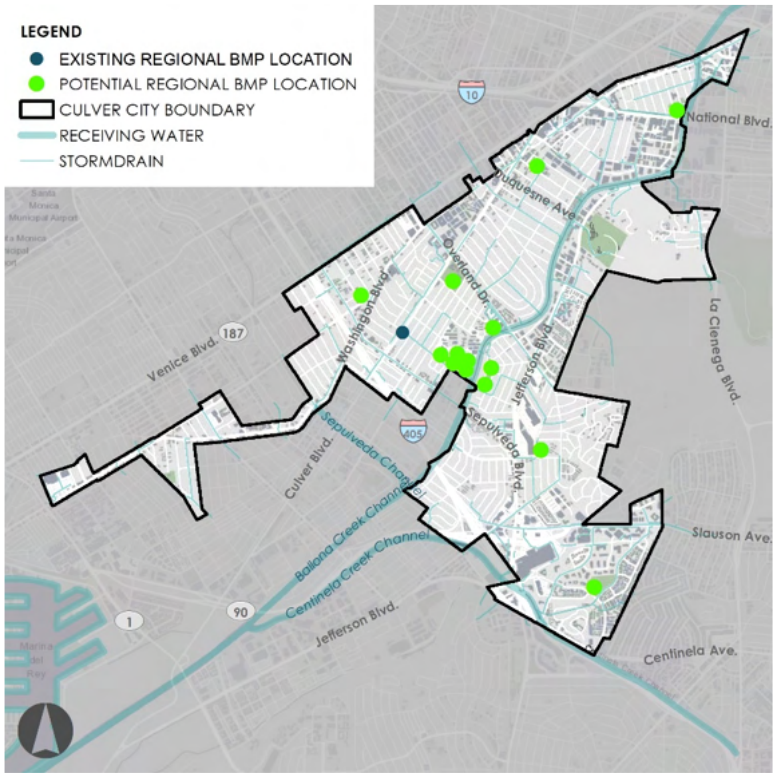
3. 10 percent compliance for Ballona Creek Bacteria TMDL by 2021 ($21 million)

The BC EWMP also included an Implementation Strategy for each City with a prescribed set BMPs such as Low Impact Development (LID), green streets, and regional projects. The primary measure of EWMP implementation is volume of stormwater managed by the BMPs. The BC EWMP determined that a combined BMP capacity of 99 acre-feet (ac-ft) for the prescribed set of BMPs would provide reasonable assurance that water quality goals are met in the City.

ES.2 Stormwater Quality Project Identification & Prioritization

The purpose of the SWQMP was to merge various factors that span city-specific interests, physical characteristics, and water quality goals to identify priority structural BMP projects. Measurable metrics for each factor were developed, and each project was scored accordingly. Projects that scored the highest are Priority Projects. Identified projects fall into one of the three following categories:

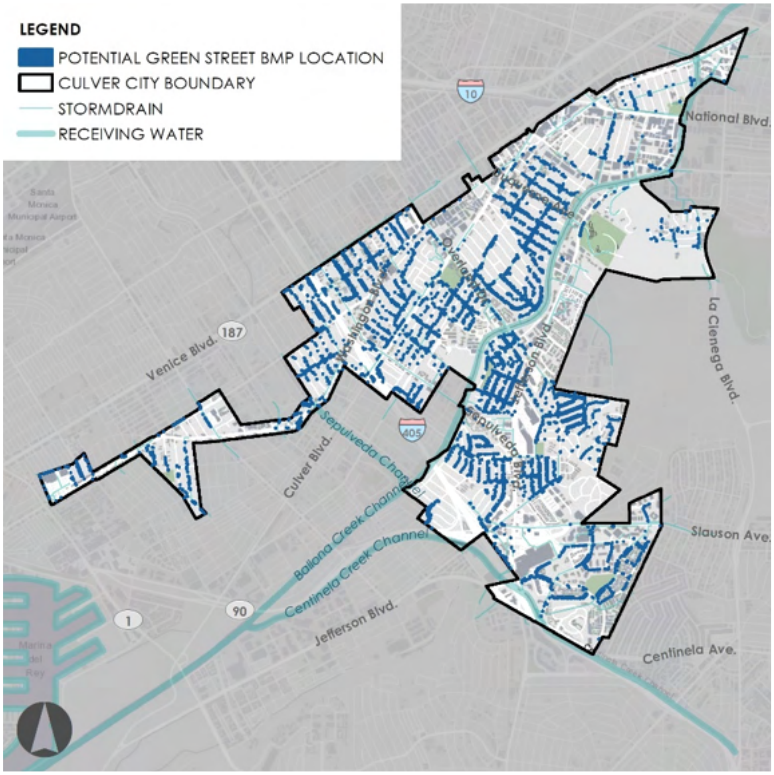
Regional Projects are centralized facilities often located in the downstream portion of a watershed. They are designed to receive large volumes of runoff, typically diverted from storm drainpipes upstream of the receiving water body. These BMPs can be large basins or underground vaults. Due to the larger volumes of these facilities, regional projects are typically the most cost-effective solution for treating surface runoff.



Because the City spans Ballona Creek on both sides, there are multiple natural low points at the downstream portion of several watersheds that drain to the creek. The SWQMP study identified City parks and schools as potential regional project locations. Of these, eight parks and school locations were identified as top ten priority projects based on physical and infrastructure characteristics of the project location as well as the volume of stormwater potentially treated.

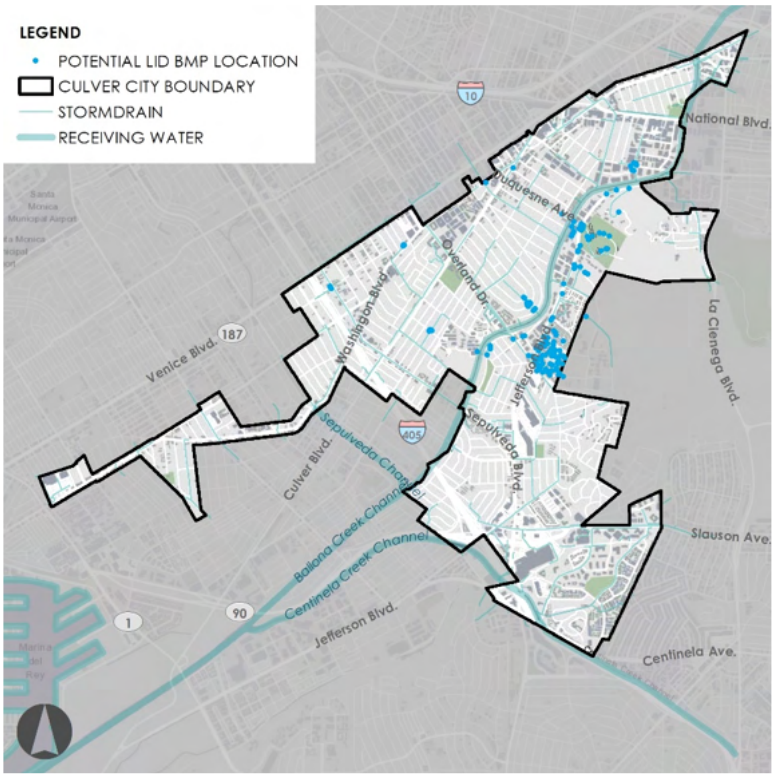
Green Street Projects are distributed, small scale BMPs such as bioretention and biofiltration areas located along roadways. They can be designed to receive surface runoff from the public right of way via curb cut outs and infiltrate through planted media. These BMPs can provide water quality benefits as well as pedestrian safety, traffic calming, street tree canopy, and other "complete streets" benefits.

The SWQMP identified ideal locations for green street BMPs on a neighborhood and street scale throughout the City.



Low Impact Development (LID) Projects are distributed, smaller scale BMPs that capture, infiltrate, harvest and use, or treat runoff on a parcel level. They are designed to receive surface runoff from either the surface directly or diversion from storm drain pipes. Examples generally include rainwater cisterns, rain gardens, permeable pavements, and infiltration BMPs.

For the SWQMP, dry wells were selected as the most efficient LID BMP, intended for space limited locations where green street projects and regional projects were infeasible. Ideal locations for dry wells were sited throughout the city. These BMPs can also supplement infiltration of larger regional BMPs as well as green street projects.



Other BMPs The three major types of BMPs were identified for the City in this SWQMP. This does not mean that other types of BMPs are not appropriate for specific sites. For instance, elements of LID are incorporated into the concept plans for the potential

regional projects, such as harvest and use, dry well infiltration supplementation, and permeable pavements.

Additionally, the assumptions used in the SWQMP study for site suitability include infiltration rates based on available soil data. Infiltration is an ideal form of stormwater treatment because it is both cost and treatment effective; however, it is highly variable and site specific. Geotechnical investigations will determine site specific feasibility for infiltration when concept projects are pushed forward into project design. In cases where regional project locations have higher than expected groundwater or lower than expected infiltration rates, an alternative option to divert stored stormwater to sanitary sewers may be considered. Diversion to sanitary sewers is less cost effective than infiltration; however, it does provide alternative water supply and drought resiliency benefits.

Project Identification Based on the BC EWMP analysis, reaching the combined BMP capacity of 98.7 acre-feet (ac-ft) was not possible on publicly owned land alone. The BC EWMP shows that a majority of the 98.7 ac-ft required for City compliance was identified to be regional BMPs on private land; projects and locations which have not yet been identified. In total, 43 ac-ft of capacity of LID and green street BMPs was specified on public land and one public regional BMP project with 5 ac-ft of capacity.

To increase compliance feasibility, the SWQMP study compiled data on a more granular city scale in an effort to identify additional structural BMP opportunities on publicly owned land with multiple benefits to the City. A total of 69.2 ac-ft of structural BMP capacity was identified on public land, with 40 ac-ft of potential capacity in ten public regional projects. Figure 1-1 summarizes the results of the SWQMP study and compares them to BC EWMP identified BMPs.

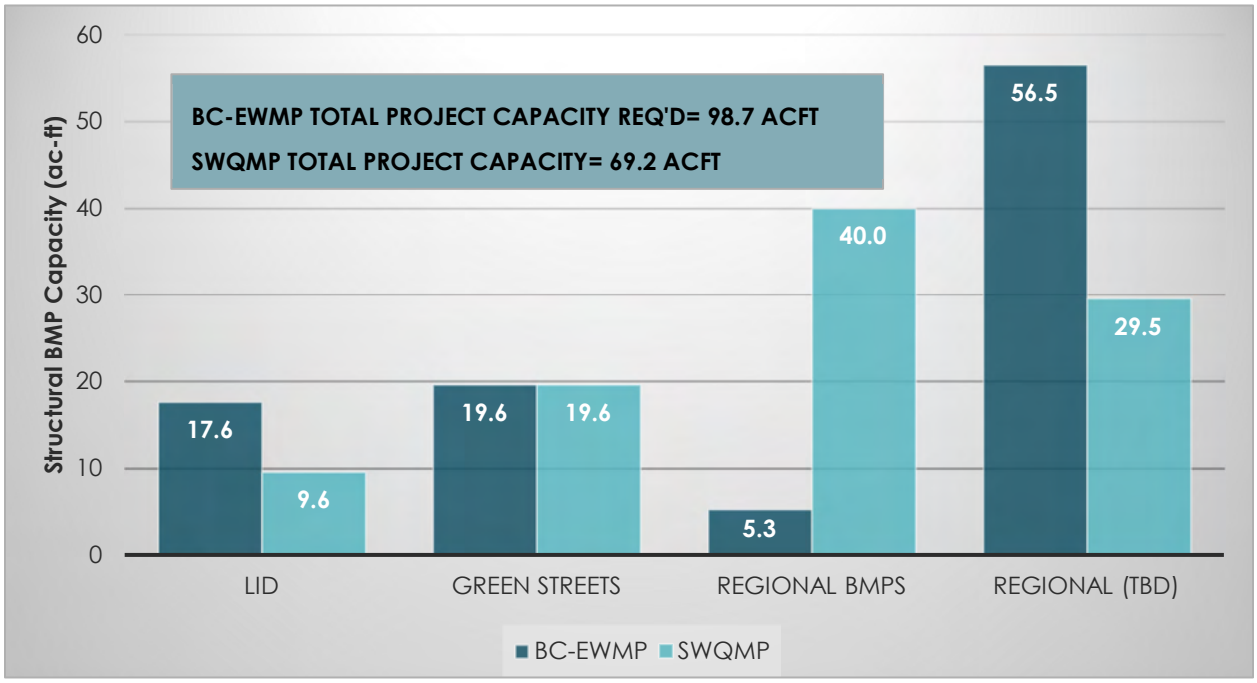


Figure 1-1: SWQMP BMP Structural Capacity Summary

Project Prioritization The SWQMP analysis identified 441 regional, green street, and LID projects. Projects were then individually scored in three key metric categories: site suitability, multi-benefit, and EWMP equivalent volume. Each project was modeled in Watershed Reporting Adaptive Management and Planning System (WRAMPS), which is currently used by the City to provide estimates of stormwater volume managed and progress towards meeting EWMP water quality goals in annual reporting. This tool also provides a planning cost estimate for each project, consistent with the costs reported in the BC EWMP.

Two prioritization scenarios were defined by the City for their stormwater quality capital improvement plan:

1. Scenario 1 – Projects were prioritized by expected available funding for the next ten years using planning level costs as a guide for a realistic implementation plan.
2. Scenario 2 – Projects were prioritized by expected EWMP equivalent volume as a guide to achieve water quality goals expeditiously.

The prioritization process generated a third scenario. Scenario 3 reflects the projects ranked by score. Scenario 3 is intended to be used to identify grant-competitive projects that best represent multi-benefit and compliance target progress potential.

Additionally, a web-based dashboard was developed as a tool for the City to track progress, modify projects as they are designed and completed, add projects in the future, and identify projects that may not have been prioritized in either scenarios described above, but may become more appealing as funding is obtained, private projects are proposed, or other conditions change.

ES.3 Funding Opportunities & Engagement

Meeting stormwater quality goals is an expensive endeavor – the BC EWMP estimated that it would cost $138 million to achieve full compliance. The Clean Water, Clean Beach Parcel Tax (Measure CW) was passed by Culver City residents during the November 8, 2016 Special Municipal Election. The Los Angeles County Safe Clean Water Program Parcel Tax (Measure W) was passed in the November 2018 election. The total dedicated funding to the City for stormwater quality work from these sources is approximately $2.75 million annually.

Several other stormwater quality-focused funding opportunities exist. For example, a component of the Safe Clean Water Program is that projects can be submitted for regional funding based on specific multi-benefit and water quality criteria. Other sources of funding focus on climate change, sustainability, and resiliency. Prioritization metrics were chosen with intention to fit different applications for alternative funding opportunities. The focus of the SWQMP was existing Measure W and Prop 1 funding opportunities. However, each project identified in this SWQMP was assigned a score based on measurable metrics, and the projects can be prioritized by the City to choose the most appropriate projects for other targeted grant opportunities.

As a starting point, the SWQMP developed concept plans for the top priority projects identified in the analysis. These concept plans include the compiled information from the analysis, as well as a design concept to be used by the City to obtain grant funding. These concept plans are intended to be further developed and implemented when funding becomes available.

The concept plans are also a valuable tool for use with community or stakeholder engagement, as well as project partnerships. With specific project locations and concept designs in place, the City will be well equipped to begin discussions with the Culver City Unified School District, City Council, private developers, and public in outreach settings.

1 INTRODUCTION

The development of this SWQMP was data intensive; data were compiled, generated, and analyzed to identify the best projects for the City in different scenarios. Ultimately, the data is most useful in resulting Concept Plans and online web dashboard format, where the City can visualize and manipulate the information for planning and communication purposes.

This SWQMP contains data collection and processing, project identification, concept plan development, stakeholder coordination, a workplan for how the information can be used for future and prioritized projects, and the Public Outreach Plan (POP).

2 DATA COLLECTION AND PROCESSING

Data collection was the key to identifying feasible project locations for the city and creating a useful database for the web viewer. Data were obtained from various sources, inventoried, assessed, and translated as summarized in the following sections. The data inventory is provided in Appendix A.

2.1 Site Suitability & Physical Project Siting Data

The following information was used to identify potential project locations or measure site suitability.

2.1.1 Ground Surface

The ground surface digital elevation model (DEM) raster was provided by the City. The City obtained this raster dataset (LARIAC4_SLDS.gdb) from the Los Angeles Region Imagery Acquisition Consortium (LARIAC). The DEM contains light detection and ranging (LiDAR)-derived elevation data flown from 10 October 2015 to 19 November 2015.

2.1.2 Slope

Slope information was obtained through the LARIAC data for the DEM.

2.1.3 Flow Concentration

LARIAC buildings, edge of pavement, inlets, storm drain laterals and mains, and the Ballona Creek were "burned" into the DEM. Burning this data elevated or lowered the surface elevation to show how runoff will move through the City. Esri's ArcHydro tools were then used to determine how flow concentrates across the City.

2.1.4 Drainage Area Delineation

The drainage areas were created using Esri's ArcHydro tools. The flow concentration threshold determined the maximum size of the catchment drainage area. The smaller the threshold, the larger number of catchment drainage areas were returned. Michael Baker generated multiple drainage area sizes, the smallest being 0.25 acre for the threshold size.

2.1.5 Land Uses & Imperviousness

The City's geographic information system (GIS) land use data were downloaded from the City's website. Each land use type was assigned a percent impervious value based on County of Los Angeles' Hydrology Manual Appendix D, with minor adjustments to accommodate the specific land uses in the City (Table 2-1). The imperviousness of a drainage area was then calculated to be the weighted average for the catchment area.

Table 2-1: Land Use Summary

Code	Los Angeles County Land Use	Culver City Land Use	LA County % Impervious	City % Impervious
1112	Low Density Single Family Residential	Low Density Single Family Residential	21	50
1122	Duplexes, Triplexes and 2-or 3-Unit Condominiums and Townhouses	Low Density Two Family/ Low Density Three Family	55	70
1123	Low-Rise Apartments, Condos, and Townhouses	Low Density Multi Family	86	Same
1125	High Rise Apartments and Condos	Medium Density Multi Family	90	Same
1140	Mixed Residential	Planned Residential Development	59	Same
1211	Low and Medium Rise Major Office Use	Downtown/ Institutional/ Studio	91	Same
1221	Regional Shopping Center	Regional Center	95	Same
1232	Commercial Recreation	Community Serving Center	90	Same
1241	Government Offices	Government Offices	91	Same
1261	Pre-Schools/Day Care Centers	Pre-Schools/Day Care Centers	68	Same
1262	Elementary Schools	Elementary Schools	82	Same
1263	Junior or Intermediate High Schools	Junior or Intermediate High Schools	82	Same
1264	Senior High Schools	Senior High Schools	82	Same
1460.03	Mixed Utility and Transportation-Freeways and Major Roads	Streets and Roads	91	Same
1500	Mixed Commercial and Industrial	Industrial/Light Industrial/ Industrial Park	91	Same
1840	Cemeteries	Cemeteries	10	Same
1880	Other Open Space Recreation	Other Open Space Recreation	10	Same
NA	NA	General Corridor	NA	96

2.1.6 Vegetated Areas

LARIAC infrared imagery data were used to identify open space areas with a focus on vegetation and soil. In addition to identifying areas with vegetation, it was also used to screen out areas with established trees. A deep red color indicated the presence of trees. A light red color indicated areas of grassy open space. Areas without a red color indicated buildings or streets (see Figure 2-1).

Figure 2-1: LARIAC Imagery Data Showing Vegetation and Open Space

2.1.7 Groundwater

Using well information collected from the State Water Resources Control Board (SWRCB) GeoTracker data, well locations were geolocated and conservatively assigned the highest groundwater depth from historical data. A city-wide groundwater surface raster was generated from the well data-points.

2.1.8 Soil Type and Hydrologic Soil Group

Los Angeles County soils data is based on a numeric classification system. A conversion process to NRCS Hydrologic Soil Groups (HSG) types was developed based on the soil description of the various numeric types identified in the City. Soils with sand, loam sand, and sandy loam characteristics were identified as Group A; soils with silt loam and loam characteristics as Group B; soils with sandy clay loam characteristics as Group C; and soils with clay loam, silty clay loam, sandy clay, silty clay, and clay characteristics as Group D. See Table 2-2.

Table 2-2: Hydrologic Soil Group Types in Los Angeles County

Los Angeles Soil Number	Los Angeles County Soil Name	Original Name	Hydrologic Soil Group
3	Chino Silt Loam	CS-1	B
6	Hanford Fine Sandy Loam	HF-1	A
9	Montezuma Clay Adobe	M	D
10	Oakley Fine Sand	OS	A
13	Ramona Loam	RO	B
16	Yolo Loam	Y	B
17	Yolo Clay Loam	YC	C
20	Yolo Sandy Loam	YS	A

2.1.9 Storm Drain

The City provided the storm drain system in a geodatabase format, which was compared to and merged with data from the Los Angeles County storm drain geodatabase. Where the County had additional storm drain information, the City's storm drain geodatabase was updated for completeness.

2.1.10 Sanitary Sewer

The City provided the sanitary sewer system in a geodatabase format.

2.1.11 Other Major Utilities

Gas main lines and rail lines were mapped to identify major utility conflicts with proposed BMP projects.

2.1.12 Environmental Cleanup Data

Leaking underground storage tank/leaking underground fuel tank (LUST/LUFT) cleanup, cleanup program sites (CPS), spills-leaks-investigations-cleanup (SLIC), and land disposal sites were obtained from the SWRCB GeoTracker data. The data were mapped to consider proximity to BMP opportunities.

2.2 Multiple Benefit Data

The following information was compiled to identify projects with potential multiple benefits. Priority projects with multiple benefits were considered in more detail in the concept planning phase of the SWQMP.

2.2.1 Planned Capital Improvement Projects

The City Five-Year Capital Improvement Plan, Fiscal Years 2019, 2020 to 2023, and 2024 and the Parks and Recreation Facilities Facility Condition Assessment Report (January 2008) were provided. Specific project locations were mapped for use in determining potential project co-location.

2.2.2 Planned Private Improvement Projects

The City provided a list of planned private improvement projects. Specific project locations were mapped for use in determining potential project co-location or project partnerships.

2.2.3 Groundwater Aquifer

Groundwater aquifer data were obtained from Los Angeles County and used to determine if there was an opportunity to augment water supply. The City is located within the Santa Monica, Central, and West Basins. Each are considered confined aquifers and therefore, recharge opportunities from the surface are limited.

2.2.4 Localized Flooding Areas

Based on conversations with the City, localized flooding is rare. The City provided known locations, which were mapped for use in determining potential project co-locations.

This metric could be used to determine multiple benefits in the future, if more localized flooding issues arise or are identified based on additional urban flooding analysis.

2.2.5 Disadvantaged Communities

Disadvantaged communities in or around the City were mapped based on information from the California Office of Environmental Health Hazard Assessment (OEHHA) website (https://oehha.ca.gov/calenviroscreen/sb535).

2.2.6 Urban Heat Island Index

The California Environmental Protection Agency's urban heat island index (UHII) data were used to measure BMP potential to reduce the urban heat island effect.

2.2.7 Ballona Creek Revitalization

A buffer around Ballona Creek was delineated to measure proximity to BMP projects. Proximity was used to determine level of probable multi-benefit projects and flagged for closer consideration in the concept plan.

3 PROJECT IDENTIFICATION

Knowing where to invest limited funding is essential to increase potential return on investment. Customized tools were created to screen potential locations using collected data. The tools developed for the project include a set of rules that screen potential locations based on preferred characteristics for each BMP type. Constraints such as site location, hydraulic head, proximity to utilities, maintenance access, and tributary drainage area are then considered.

The governing factor of BMP feasibility is the hierarchy identified in the MS4 Permit. The order of preference for BMP type is infiltration, harvest and use, bioretention, then biofiltration. The process used for the SWQMP followed this preferred hierarchy.

3.1 Project Location

Potential project locations were identified using land use and parcel ownership data to select publicly owned parcels and right of way. Private parcels were not evaluated as part of this study. Infrared imagery was overlaid to determine areas of open and/or vegetated spaces within the public right of way. A check was performed to verify that those locations were within a reasonable proximity to an existing main storm drain line, to minimize the infrastructure (specifically new storm drain pipe) required to convey runoff to a project site.

Ability to infiltrate was evaluated based on soil type, depth to groundwater, pollutant mobilization, and geotechnical hazards, such as surrounding slopes, as well as potential for landslide and liquefaction.

- For this level of analysis, HSG A and B were assumed to be conducive to infiltration; HSG C and D are assumed to be infeasible for infiltration. Readily available soil data is typical for a planning level study. When preliminary design occurs, additional site-specific geotechnical analysis will be necessary.
- Where infiltration was deemed feasible based on HSG soil type, a minimum depth to groundwater was determined. The minimum depth accounted for 10 feet of separation between an infiltration surface and the seasonal high groundwater level along with sufficient cover for the device. Project locations were screened where groundwater was 18 feet or less below ground surface.
- The groundwater surface was created using available groundwater well data throughout and around the City. The approach was conservative and used the highest recent groundwater levels. Depth was determined by checking the distance between the ground surface and the groundwater surface.
- A ground surface slope of 15 percent was set as a maximum allowable slope to reduce the risk of geotechnical instability.

Areas that were determined infeasible for regional infiltration due to depth to groundwater issues, were next evaluated for local infiltration BMPs in the form of drywells, followed by bioretention. For locations where infiltration was not feasible, biofiltration and regional alternative BMPs (diversion to sewer) were considered.

3.2 Project Drainage Area and Runoff Volume

After BMP locations were set, a script was written to determine the BMP drainage area. This included tributary area to the location via surface drainage and the storm drain system. This process used the ground surface created from the LARIAC data and the

micro-catchments created throughout the watersheds. The drainage area identification tool uses the catchment ID information to identify each upstream drainage area and groups them together.

For each drainage area, a weighted average impervious value was calculated using the land use type and its associated imperviousness. A slope was calculated using the ground surface and the surface flow path was measured (a maximum of 1,500 feet was assumed). HydroCalc, the Los Angeles County Department of Public Works developed program, was used to compute the stormwater quality design volume (SWQDv) for the 85th percentile, 24-hour storm event.

3.3 Project Capacity

Preliminary regional infiltration BMP volumes were first assumed to accommodate the entire SWQDv. Where regional BMPs were limited by site constraints, capacities were estimated using the maximum footprint available at each BMP location and the maximum possible depth of the infiltration gallery. Estimated infiltration rates were then used based on soil type to estimate maximum ponding depths that would comply with vector control requirements. Additional features may be added to the regional infiltration systems to resolve concerns about a longer drawdown time than the allowable 96 hours. This may include incorporating bubblers and aeration systems to mitigate for the risk of standing water and vector concerns.

Reasonable assumptions for dry well capacity were made based on consultation with a local dry well manufacturer with experience throughout Los Angeles County. Dry well capacity was determined based on a conservative expected treatment flow rate of 0.1 cubic feet per second (cfs), in combination with the assumption that one dry well could address runoff from up to five acres of developed area. Both values are appropriate for a planning study.

Green street bioretention and biofiltration volumes were calculated based on the geometry of the available cross section area. A unit area per linear foot of parkway width was developed based on the local LID guidance manual and City green street standards. Each applicable section was then applied to the available length to calculate the potential volume. Due to the relatively small volume capacity of individual bioretention and biofiltration systems, they were grouped by neighborhood, storm drain line, and street. Each street is considered as one project with the total treatment volume calculated as the sum of the individual systems. Consolidation of green street opportunities allows these BMPs to be evaluated and implemented on a larger scale, while also providing the City with manageable co-location opportunities during street improvement projects.

4 PROJECT PRIORITIZATION METHODOLOGY

As described in Section 3, an analysis was conducted to identify all potential opportunities for stormwater projects throughout the City. The prioritization builds upon this process by overlaying the multiple datasets to evaluate characteristics for site suitability (both feasibility and effectiveness), as well as multiple benefits that, while not the primary goal of stormwater projects, provide other reasons for implementing and funding these projects. The result of the prioritization process is a list of ranked potential project sites that serves as the basis for the City's implementation plan described in Section 7. In addition to guiding the implementation strategy, the output from the prioritization process can be used as a tool to understand the costs and benefits of the identified opportunities and to serve as a starting point for the assessment of future candidate projects as they arise.

4.1 Project Types

The project identification process sorted project opportunities into three types: regional stormwater capture, dry wells, and green street (bioretention/biofiltration) projects. Due to the differences in site characteristics that are conducive to these three project types, a separate set of metrics for site suitability were developed for each project type. However, the metrics related to multiple benefits or EWMP progress were applied equally to all three project types. Due to the differences in constraints, advantages, and situations in which one would select a specific project type, these categories were evaluated separately and prioritized only in comparison to other project opportunities within the same category. The three categories are explained in further detail below.

Regional stormwater capture projects are large-scale centralized facilities that capture and treat stormwater from a large drainage area by diverting from a nearby storm drain or channel. Regional projects typically treat stormwater runoff from both on-site (from the same parcel as the project) and off-site. Off-site runoff is typically routed to the project site via a diversion structure from storm drains, channels, or streams and may require pump stations. Regional projects can be designed for both subsurface (e.g., infiltration chamber) and above ground (e.g., detention, constructed wetlands) applications. Due to the space limitations in the highly urban landscape of the City, the regional projects identified in the SWQMP are assumed to be subsurface infiltration chambers. These types of facilities have the advantage of either retaining their pre-construction use or serving some improved recreational purpose after construction is completed. For example, many subsurface stormwater facilities constructed to date are placed below open fields at public parks where, upon project completion, recreational uses are restored or improved recreational facilities are included as part of the project design. Regional projects may treat captured runoff through a variety of mechanisms, including infiltration of treated runoff into native soils, through the release of treated runoff to the back to the storm drain, or storage for non-potable use like irrigation. The benefits of regional projects may include flood attenuation, groundwater recharge, pollutant reduction, and water supply augmentation. They are often the most cost-effective projects due to the multiple benefits achieved and the economies of scale. The site characteristics and land uses will determine what types of regional projects are feasible, e.g., how much flow the project can divert from the storm drain network, whether the project is above ground or underground, and the potential size of the project.

Dry wells are a type of stormwater capture project that capture and treat stormwater runoff through deep infiltration into underlying groundwater aquifers. Dry wells often benefit from increased infiltration rates compared to other infiltrating stormwater projects due to the bypass of surficial soils into deeper soil layers with greater infiltration capacity. However, because some of the natural filtration provided by surficial soils is lost, pretreatment of captured runoff is almost always required before directing runoff to a dry well. Dry wells are typically considered for on-site treatment, since larger drainage areas tend to generate more sediment in runoff that presents risk of clogging and failure of the dry well.

Green street projects are stormwater projects implemented linearly along the public right-of-way. Green streets typically capture runoff from the street and runoff from adjacent impervious surfaces (e.g., driveways, sidewalks, and roof downspouts). Green streets are distributed, small-scale stormwater projects spread throughout an urban area that provide localized treatment and localized flood reduction for relatively small drainage areas. For example, green streets can include facilities such as bioretention bulb-outs, stormwater planters (Figure 4-2), or permeable pavers along street rights-of-way. In the SWQMP, this category of projects is considered either bioretention or biofiltration. Bioretention projects capture and infiltrate runoff when native soil infiltration rates are adequate. Where infiltration rates are too low to efficiently drain a bioretention facility, a biofiltration facility, which includes an underdrain with a connection to the storm drain system, is used instead. In a biofiltration facility, captured runoff is filtered through the engineered soil media and allowed to exit the system through the underdrain.

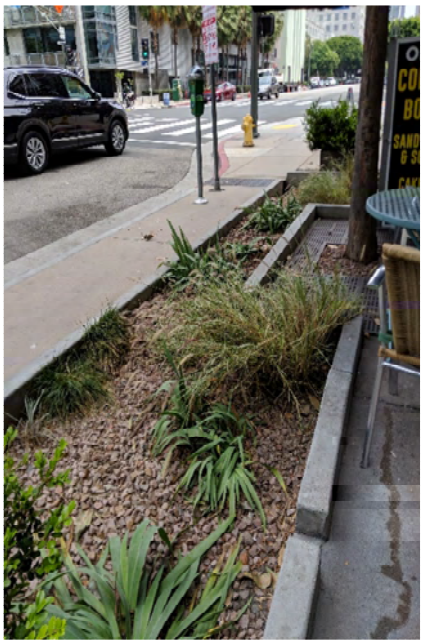


Figure 4-1: A green street with bioretention implemented in the right-of-way (Fashion District, Los Angeles).

4.2 Prioritization Metrics

The selected metrics for project prioritization were organized into three categories: site suitability, multi-benefits, and EWMP equivalent volume. Each metric received a score based on specified ranges. The score in each category was normalized by taking the average of the metrics within each category – each project received a score between 0 to 5 in each of the three categories. The final prioritization score for a project opportunity was derived by summing the score for each category (out of 15 total points). Figures 5-5 through 5-7 at the end of this chapter present the criteria used for each project type to assign scores for each metric. The metrics used in the analysis are described in detail below.

4.2.1 Site Suitability Metrics

Site suitability metrics are related to indicators of the available opportunity (maximum drainage areas or footprints), utility constraints, or indicators of potential project effectiveness. For example, imperviousness, parcel size, and land use may be considered surrogate indicators for the available opportunity (e.g., runoff-generating potential, available footprint, compatibility with current site use). Hydrologic soil group and slope

may be considered surrogate indicators of project effectiveness (e.g., infiltration capacity, prohibitive constraints, design challenges).

4.2.1.1 Drainage Area

Drainage areas were delineated for regional and dry well projects during identification of potential opportunities. The size of the drainage area is considered an indicator of runoff-generating potential, and therefore, stormwater capture effectiveness. The amount of runoff diverted to a project for any given storm event is highly correlated to the size of the drainage area, especially impervious area. Regional and dry well projects with larger drainage areas are given more points in this category. Green street drainage areas were not delineated due to their distributed, small-scale nature and the need for site-specific topographical survey data that is typically not collected until the design stage.

4.2.1.2 Slope

Average site slope was evaluated for all projects. Projects situated on steep slopes present challenges with construction and effectiveness. Steep slopes typically generate greater runoff rates that are more difficult to divert, complicate the design of inlet structures, and result in more expensive projects. Projects with milder slopes are given more points in this category.

4.2.1.3 Proximity to Storm Drain

Regional projects most often divert runoff from the storm drain or another conveyance network like a stream or channel to treat large drainage areas. The cost of diverting or pumping increases with the distance needed to convey runoff to the project site. Additionally, overflow and outlet structures that allow the facility to be drained for maintenance or emergency reasons benefit from being located near a storm drain. Regional project opportunities that are closer to a storm drain are given more points in this category.

4.2.1.4 Imperviousness

Imperviousness was evaluated for regional and dry well projects. Green streets were not evaluated for this metric since green street drainage areas were not delineated. Impervious area is associated with greater stormwater runoff. Additionally, many of the pollutants in stormwater runoff are associated with highly impervious urban areas. Because the primary goal of the SWQMP is to treat and reduce pollutants in stormwater runoff, opportunities that have drainage areas with greater imperviousness are given more points in this category.

4.2.1.5 Hydrologic Soil Group

The Hydrologic Soil Group was evaluated for all three project types to prioritize sites that sit on well-drained soils. Group A represents the most well-drained soils, and Group D represents the least well-drained soils. Since infiltration is a common treatment mechanism of stormwater capture, the highest priority was given to Soil Group A, with each subsequent group assigned fewer points.

4.2.1.6 Width of the Right-of-Way

Right-of-way width is used to evaluate the amount of area that may be available for green street retrofits. Public right-of-way typically serves multiple uses (e.g., pedestrian

walkways, bicycle lanes, transit loading zones, parking, etc.), and can be space constrained. Street segments that are in wider rights-of-way are more likely to be able to support a bioretention or biofiltration footprint. Green street opportunities on street segments with a wider right-of-way were given more points in this category. Width is often a function of street classification (i.e., arterial streets tend to be wider than residential streets). To avoid penalizing projects along local streets, street segments were first bracketed into street class (arterial, collector, and local) and sorted into the widest third, middle third, and narrowest third of segments by street class. The widest street segments in each class were given the most points in this category.

4.2.1.7 Utility Conflicts

Utility conflicts are an important factor for the feasibility of most stormwater projects. Large utilities are often cost-prohibitive or infeasible to relocate or design around. This is especially true for small-scale projects like green streets, where the smaller benefit may not justify the cost of relocating utilities. Green street projects along streets with one or more high conflict utilities present were given fewer points in this category. High conflict utilities included major gas transmission lines, trunk sewer lines, rail lines, and tunnels.

4.2.1.8 Within Drainage Area of Another Proposed Project

Several opportunities fall within the larger drainage area of another proposed project because green street and dry well opportunities are widely distributed across the city. These sites can be treated by a larger downstream centralized facility, where treatment would likely be more cost-effective. Project opportunities that fall within a larger project drainage area were given fewer points.

4.2.2 Multi-Benefit Metrics

4.2.2.1 In Neighborhoods with Localized Flood Issues

Stormwater projects provide the benefit of reduced frequency and magnitude of localized flooding issues. Stormwater projects typically reduce the volume of water and flow rates of flood events. Projects within the neighborhoods identified by the City as experiencing frequent nuisance flooding were given more points in this category.

4.2.2.2 Private Development Project Within Project Drainage Area

Private developers within the City are required to implement LID to manage runoff from on-site. However, if private development occurs upstream of a planned public stormwater project, there could be opportunities to partner with developers to help fund the construction of a downstream project in lieu of implementing LID on-site. Projects with drainage areas that contain upcoming planned private development projects were given more points in this category.

4.2.2.3 Pollutant Source Areas

Certain land uses are typically associated with higher concentrations of stormwater pollutants. A study by the Southern California Coastal Water Research Project (SCCWRP 2007) evaluated the event mean pollutant concentrations of pollutants in runoff sampled from specific land uses. The report identified industrial land use as exhibiting the highest zinc concentrations, followed by commercial, high-density residential, transportation, and low-density residential land uses. Figure 4-2 depicts the event mean concentrations (EMCs) for zinc from the SCCWRP technical report. Zinc concentrations were evaluated for this metric since zinc is one of the limiting pollutants identified in the Ballona Creek EWMP. Points were assigned using the land use with the highest zinc EMC that represented at least 10 percent of the project's drainage area.

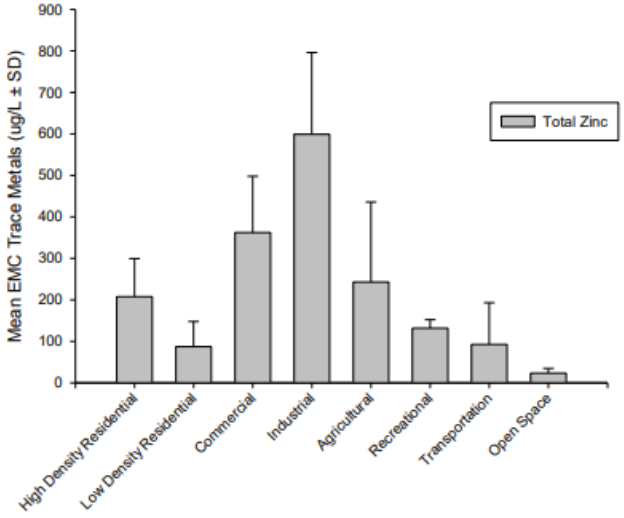


Figure 4-2. Mean storm EMCs of total zinc at specific land use sites during the 2000/01-2004/05 storm seasons (SCCWRP 2007).

4.2.2.4 Co-located Planned Projects

Co-locating stormwater capture projects with other capital improvement projects increases opportunities for cost-sharing and maximizes multiple benefits that may not otherwise be achieved by a single project. Project opportunities that could be implemented in parallel with an identified City capital improvement project currently in the planning phase were given more points in this category. A total of 24 City projects were identified from the capital improvement project list. Projects were considered co-located with another City project if the parcel or street segment is within 500 feet of one of the other City projects. A list of the other City projects evaluated for co-location is presented in Figure 4-3.

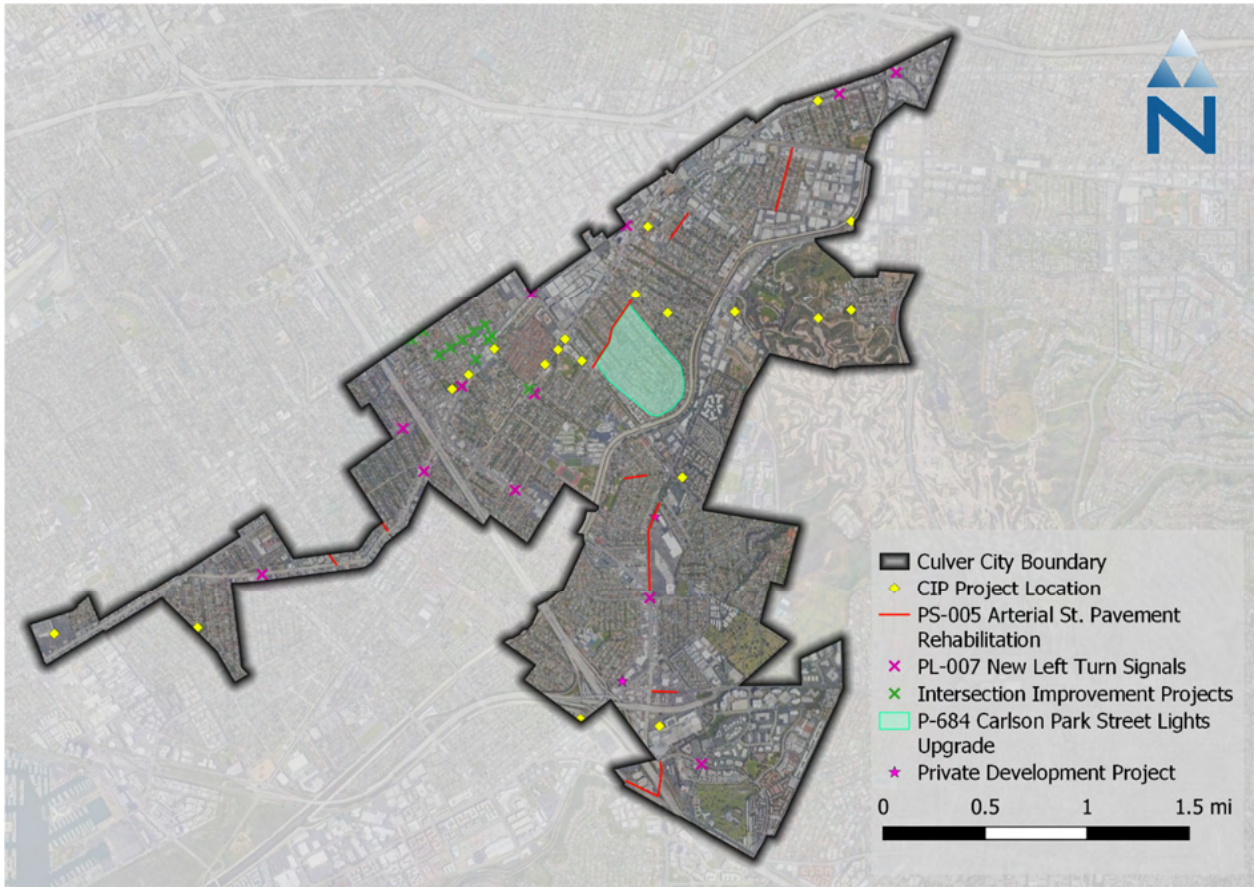


Figure 4-3. Capital improvement and other planned projects for co-location of stormwater BMPs.

4.2.2.5 Groundwater Constraints

Infiltration stormwater BMPs must maintain a specified distance from the groundwater table to ensure proper drainage of the facility. Sites with groundwater separation (the distance between the groundwater table and the ground surface) of at least 20 feet were given the most points in this category. Sites with groundwater separation of 10 to 20 feet were given fewer points. Sites with less than 10 feet of separation were given the fewest points. Since infiltration BMPs have the potential to mobilize pollutants already present in groundwater, a project was also given the fewest points if it was located within 500 feet of an active groundwater contamination cleanup site from the GeoTracker database.

4.2.2.6 Disadvantaged Community Benefit

A project was considered a benefit to a disadvantaged community if located within or near a disadvantaged community as defined by California Senate Bill (SB) 535 or a Low-Income Community as defined by California Assembly Bill (AB) 1550. SB 535 and AB 1550 identify priority populations that may be disproportionately burdened by the challenges presented by climate change and pollution-related issues. Projects located within one of these communities were given the most points in this category. Projects considered to be within the sphere of influence of these communities (defined as 500 feet) were still considered a benefit to these communities and given points in this category. Figure 4-4 shows a map of the disadvantaged communities across the City.

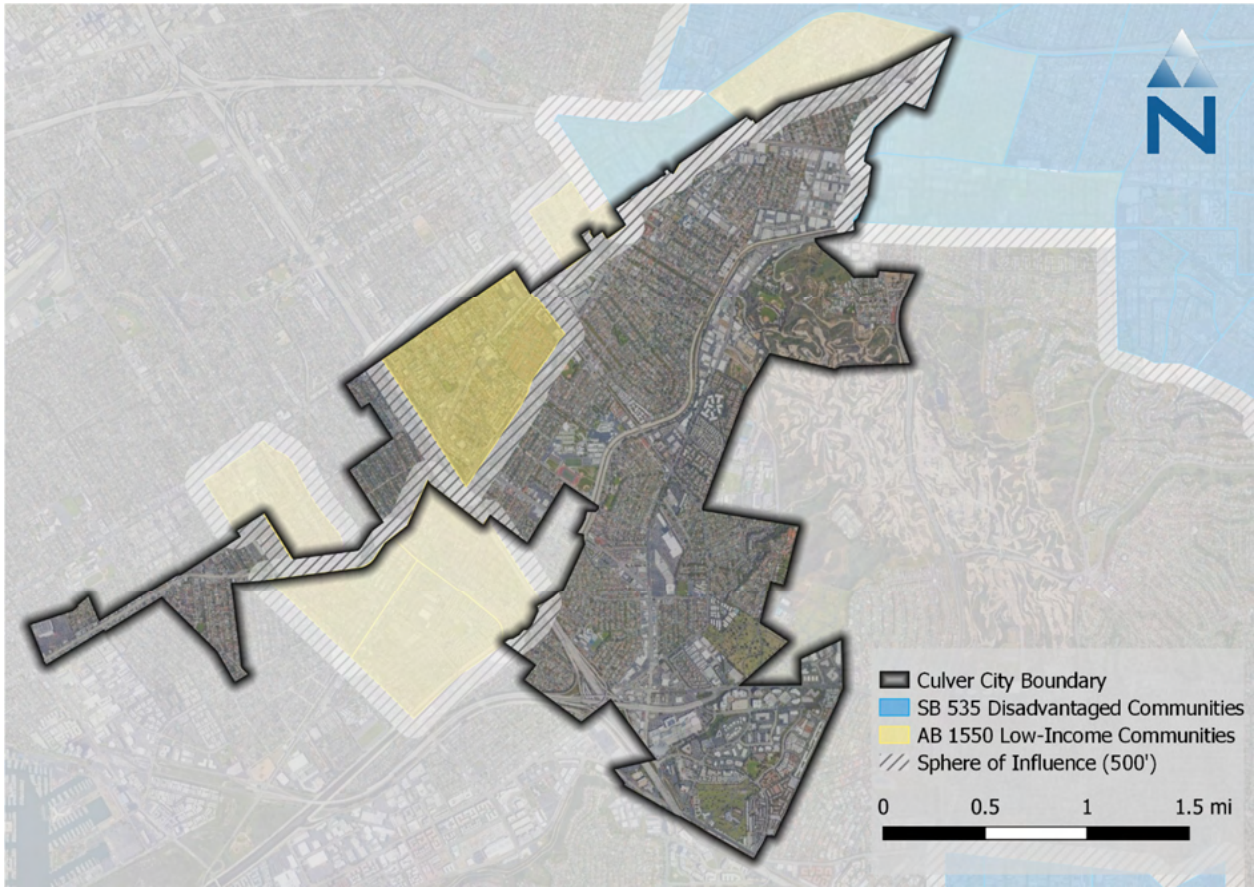


Figure 4-4. Disadvantaged communities (SB 535 & AB 1550) in and near Culver City.

4.2.2.7 Urban Heat Island Index

One common benefit associated with stormwater BMPs is increased greenery in urban areas, especially for vegetated practices like bioretention and biofiltration. Associated benefits include beautification of neighborhoods, increased shading, and reduced urban heat island effect. The California Environmental Protection Agency's urban heat island index (UHII) was used to prioritize projects (CalEPA 2015). Projects in census tracts with higher UHII values, where the urban heat island effect is determined to be the greatest were given the most points in this category.

4.2.2.8 Ballona Creek Revitalization

The 2016-2020 and 2018-2023 Strategic Plans adopted by the City Council incorporated as one of its goals the enhancement and restoration of Ballona Creek as a sustainable, walkable, bikeable, and connected recreational attraction. Stormwater projects can be implemented with these design elements in mind. Many vegetated BMPs integrated along pathways (bioretention curb extensions, stormwater tree wells, etc.) have been shown to improve pedestrian and biker safety, add urban greenery, and encourage non-automotive use. Additionally, site improvements often implemented after construction of larger regional projects (e.g., new ballfields, playgrounds, track) can serve as community features that provide destinations for recreational use along the Ballona Creek corridor. Projects within 50 feet of Ballona Creek were given the most points in this category.

Projects within 250 feet of Ballona Creek were given fewer points. Projects over 250 feet were given no points in this category.

4.2.3 EWMP Equivalent Volume Metric

The Ballona Creek EWMP identified the cumulative volume capture that must be achieved by stormwater projects within the City for a critical design storm demonstrating compliance with the City's MS4 permit. The volume captured during such a design storm, or EWMP Equivalent Volume, is modeled for each project using the Los Angeles County Watershed Reporting Adaptive Management and Planning System (WRAMPS). WRAMPS allows the user to enter basic project details (drainage area, storage capacity, imperviousness) to estimate capture volumes for a range of conditions, including critical conditions consistent with the Ballona Creek EWMP. Higher scores are given to projects that capture larger EWMP Equivalent Volumes. A comparison of the SWQMP modeled volumes to the EWMP goals is discussed in greater detail in Section 7.

4.3 Prioritization Scoring and Results

Each of the metrics outlined in Section 4.2 is organized into the prioritization scoring matrix presented in Table 4-1. Each project is evaluated across each metric (only the site suitability metrics applicable to the specific project type) and assigned a score between zero (0) and five (5) points. The matrix identifies the number of points (columns) assigned to specific ranges of parameter values for each metric (rows). The sum of the average of each score category is the final prioritization score (out of 15 total points).

Table 4-1. Prioritization Scoring Matrix

Metric	Points					
	0	1	2	3	4	5
Site Suitability						
Regional Stormwater Projects						
Drainage Area (acres)	< 10	10-20	20-50	50-100	100-200	> 200
Site Slope (%)	> 10	5-10		2-5		< 2
Footprint Proximity to Storm Drain (ft)	> 500	200-500		100-200		< 100
Impervious Area (%)	< 40	40-50	50-60	60-70	70-80	> 80
Hydrologic Soil Group	D		C		B	A
Dry Wells						
Drainage Area (acres)	< 1	1-2	2-5	5-10	10-15	> 15
Site Slope (%)	> 10	5-10		2-5		< 2
Impervious Area (%)	< 40	40-50	50-60	60-70	70-80	> 80
Within drainage area of another proposed project	Yes					No
Hydrologic Soil Group	D		C		B	A
Green Street Projects (Bioretention/Biofiltration)						
Average Street Slope (%)	> 5	4-5	3-4	2-3	1-2	0-1
Average ROW Width by Street Class[1]		Narrowest 33%		Middle 33%		Widest 33%
Utility Constraints[2]	Multiple high conflict utilities	One high conflict utility				No high conflict utilities
Within drainage area of another proposed project	Yes					No
Hydrologic Soil Group	D		C		B	A

[1] Streets along wider rights-of-way (ROW) often contain more space to incorporate GI. Projects are sorted into the narrowest, middle, and widest third of streets by street class (e.g., local, connector, arterial).

[2] High conflict utilities that are prohibitively expensive to relocate include major gas transmission mains, trunk sewer lines, rail lines, and tunnels.

Metric	Points					
	0	1	2	3	4	5
Multi-Benefits (All Projects)						
In Neighborhood with Localized Flood Issues	No					Yes
Private Development Project Within Project Drainage Area	No					Yes
Pollutant Source Areas[3] (Contains at least 10%)	Other	Low-Density Residential	Transportation	High-Density Residential	Commercial	Industrial
Co-located With Another City Project[4]	No					Yes
Groundwater Constraints	In contamination area AND depth to groundwater < 10 ft	In contamination area OR depth to groundwater < 10 ft		Depth to first groundwater 10 – 20 ft		Depth to first groundwater > 20 ft
Disadvantaged Community (DAC) Benefit	Not a benefit to a DAC or Low-Income Community			Within the Sphere of Influence (500 ft) of DAC or Low-Income Community		Within SB 535 DAC or AB 1550 Low Income Community
Urban Heat Island Index[5]		UHII < 20% of Census Tracts	UHII > 20% of Census Tracts	UHII > 40% of Census Tracts	UHII > 60% of Census Tracts	UHII > 80% of Census Tracts
Ballona Revitalization	No			Within 250 ft of Ballona Creek		Within 50 ft of Ballona Creek
EWMP Equivalent Volume						
Equivalent Volume (AF)	0-0.05	0.05-0.1	0.1-0.2	0.2-0.5	0.5-1.5	> 1.5

Projects are bracketed into "High", "Medium", and "Low" priority categories based on percentiles. Projects in the 80th percentile of scores across all projects are assigned "High" priority. Projects in the 50th percentile of scores are assigned "Medium" priority. All remaining projects are assigned "Low" priority. Table 4-2 shows a summary of the projects within each priority category. Figure 4-5 through Figure 4-7 shows the geographic distribution of each project type across the City according to the priority category. The prioritization is included in Appendix E, and an Excel spreadsheet will be provided to the City that details each metric value and resulting score, the total score, priority category, and other site characteristics for each project This spreadsheet serves as the database of prioritized projects identified by the SWQMP, but also as a tool to incorporate future

[3] Based on mean storm event mean concentrations (EMCs) of total zinc (SCCWRP Technical Report 510, Figure 3-2)

[4] Co-located projects may include those identified through various other City planning efforts: CIP, Safe Routes to School, Ballona Creek Revitalization Project, Bike & Pedestrian Action Plan, Urban Forest Master Plan, Economic Development Projects, or Planning Projects.

[5] Urban Heat Island Index from CalEPA identify areas that experience the largest urban heat island effects and may benefit from additional greening.

identified projects into the database using the same prioritization framework. This process is explained in greater detail in Section 7.

Table 4-2. Summary of Priority Score by Project Type

Bracket	Criteria	Project Type		
		Regional	Dry Wells	Green Street
High	80th percentile	10	26	48
Medium	50th to 80th percentile	0	20	112
Low	Below 50th percentile	0	88	137
TOTAL	**-**	**10**	**134**	**297**

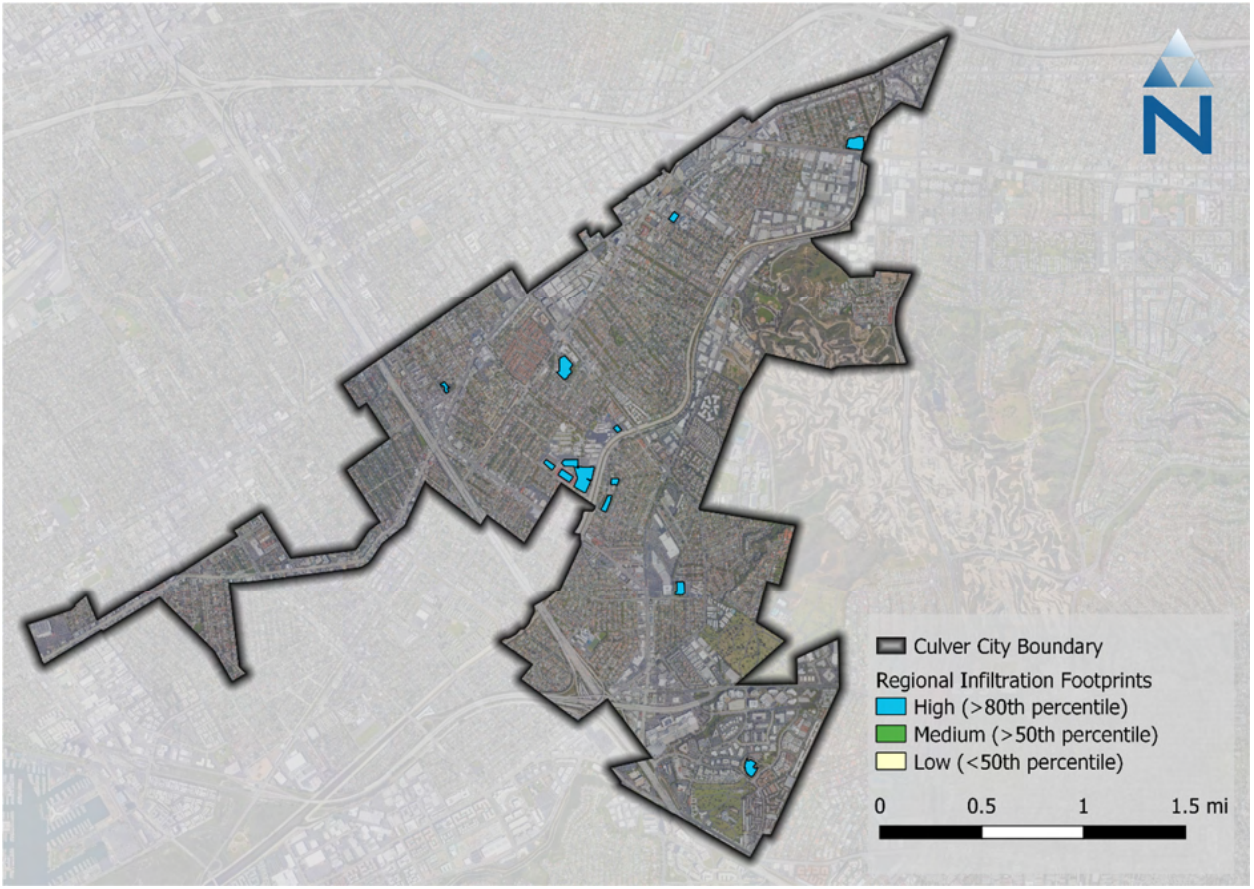


Figure 4-5. Regional project opportunities by priority score.

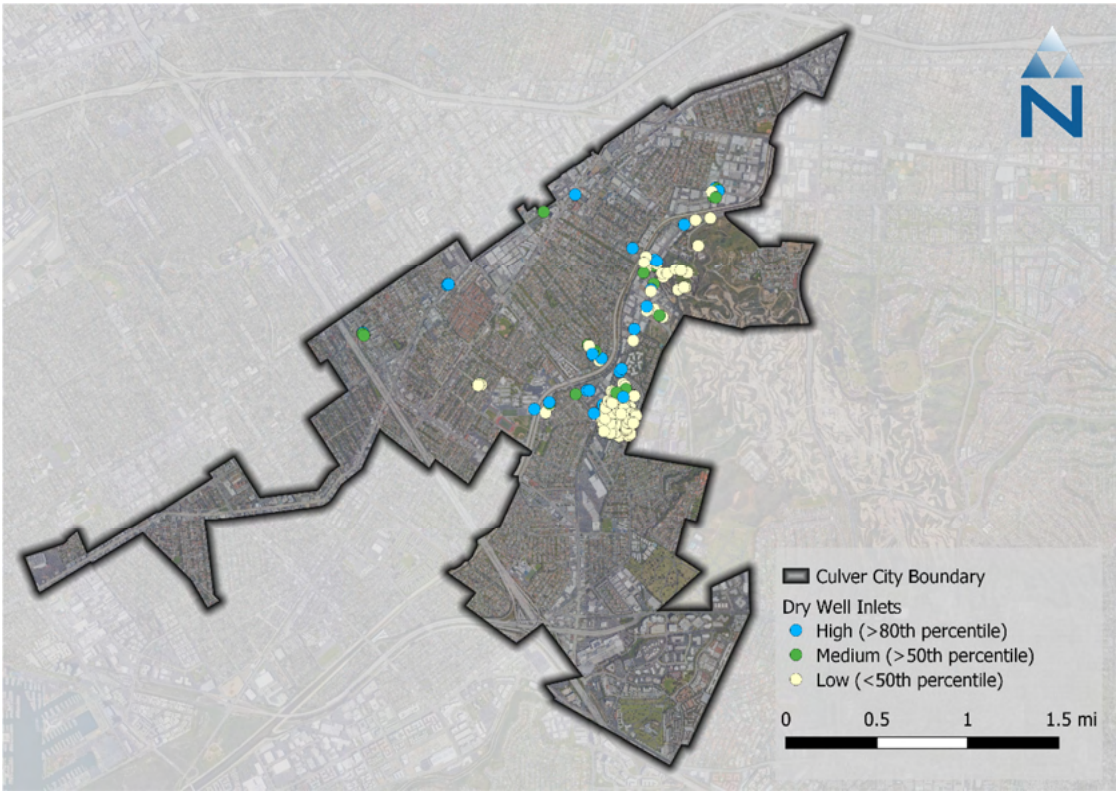


Figure 4-6. Dry well project opportunities by priority score.

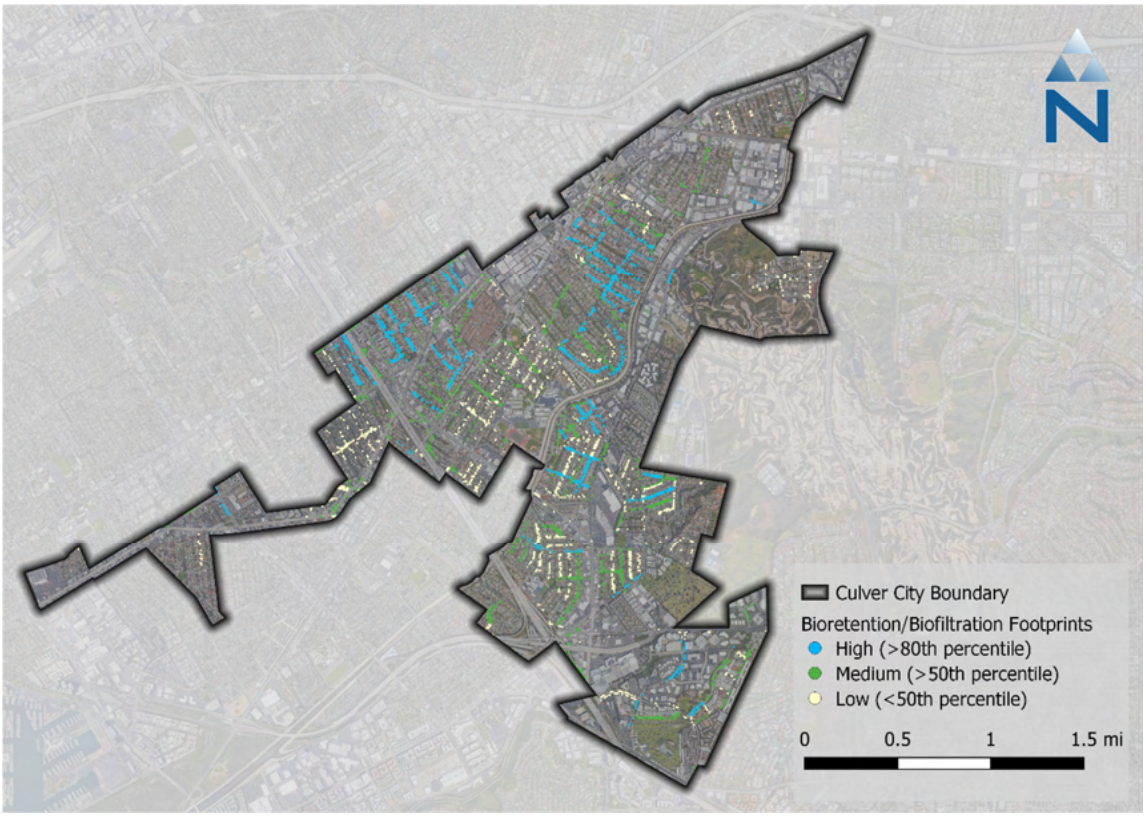


Figure 4-7. Green street project opportunities by priority score.

5 CONCEPT PLANS

The concept plan is a planning tool used to further evaluate site constraints, obtain input on design elements, and provide more detailed alternatives and cost estimates. The concept plan can also be used as a tool for communication with multiple audiences. The concept can be used to discuss specific design elements and communicate project benefits to City leaders, the public, and any additional stakeholders to obtain additional input or project support. Development of the concept involves collection of additional information including as-built plans, field investigation, coordination with the City and input from specific stakeholders and the community.

Each concept plan includes:

- Fact sheet with watershed and BMP design parameters and treatment capacity
- Project description including potential multiple benefits
- Figure showing preliminary BMP design concept footprint and location
- Cost estimate and cost per acre-foot treated
- If applicable, a preliminary Envision Sustainability Rating was provided

5.1 Concept Design Development

The priority projects generally use subsurface retention and infiltration as primary treatment. Based on the feasibility study and soil data, the priority projects were sited where infiltration may be feasible. Additional geotechnical and subsurface engineering feasibility analysis would be most valuable as a next step in the priority project locations.

To develop the concept designs, as-built plans were reviewed and evaluated to determine maximum depth of system to allow for gravity flow, or if pumps may be required. System depths and footprints were re-evaluated to treat the 85th percentile storm volume. The condition of the existing site, City Capital Improvement Plan and Parks Master Plan projects, as well as Ballona Creek Revitalization Planned projects and timelines were reviewed to look for opportunities to retrofit and/ or incorporate BMPs as part of a future project. Supplemental LID BMPs were incorporated where feasible.

6 STAKEHOLDER COORDINATION

6.1 Culver City Unified School District

Over 400 project opportunities were identified in this SWQMP analysis. As projects move forward to feasibility, stakeholder coordination will be required. Four of the top fifteen multi-benefit projects are located at or near Culver City Unified School District (CCUSD) schools, which accounts for over 30-percent of the total project capacity identified. The availability of open space and infrastructure, as well as potential for multi-benefits at school and park locations make these ideal stormwater quality project opportunities.

The development of this SWQMP occurred during a pandemic with limited coordination opportunities. However, coordination with CCUSD as a partner is anticipated as the City begins to work through which projects to implement.

7 IMPLEMENTATION PLAN

The Implementation Plan defines the process for implementing the prioritized regional, dry well, and green street projects identified in the SWQMP to meet water quality goals established by the EWMP. This includes steps necessary to move projects from the prioritized list through design and construction phases, as well as outlining steps to incorporate project opportunities identified in the future into the SWQMP and prioritization framework.

7.1 Project List Ranked by EWMP Equivalent Volume

While the SWQMP prioritized projects based on a variety of multiple benefits, the primary metric in terms of compliance with the MS4 permit is the EWMP Equivalent Volumes. All projects identified by the SWQMP were ranked and sorted by the largest EWMP Equivalent Volume – the projects that would achieve the most progress towards the water quality goals of the EWMP. This list serves as the starting point for the implementation of projects from the SWQMP and is not intended to dictate the exact order of project implementation. In practice, the order of implemented projects will largely be circumstantial – dependent on funding, scheduling, and stakeholder support. Instead, this list acts as a guide to identify the projects that would achieve the most progress towards water quality goals while serving multiple other benefits. Projects from the list can be proposed to advance to the next steps of implementation: feasibility assessments, concept development, design, and construction. Table 7-1 shows an excerpt from the list of projects ranked by EWMP Equivalent Volume. The full list can be viewed in an Excel spreadsheet provided to the City (CC_SWQMP_ProjectList_Scenarios_Final.xlsx).

Table 7-1. Project List Ranked by EWMP Equivalent Volume

Rank	Site ID	Name	Type	Drainage Area (acres)	% Impervious	Storage Capacity (ac-ft)	EWMP Equiv. Vol (ac-ft)	Cost Estimate	Prioritization Score	Score Bracket
1	R4	High School	Regional	131.67	69%	7.932	2.39	$8,966,800	11.08	High
2	R8	Syd Kronenthal	Regional	77.61	72%	4.840	2.06	$5,471,500	12.9	High
3	R10	Veterans Park	Regional	78.07	90%	5.845	1.77	$6,607,900	11.23	High
4	R2	Farragut	Regional	90.86	68%	5.413	1.63	$6,119,100	9.28	High
5	R9	Tellefson	Regional	72.33	89%	5.365	1.62	$6,065,100	11.75	High
6	R5	Linberg North	Regional	67.12	68%	3.999	1.55	$4,520,700	10.7	High
7	R1	Blanco Park	Regional	65.47	58%	3.451	1.34	$3,901,400	9.75	High
8	D28	O_28	Dry Well	11.98	90%	0.165	1.03	$550,000	10.85	High
9	R3	Fox Hills	Regional	38.67	70%	2.359	0.84	$2,666,600	9.08	High
10	D31	O_31	Dry Well	8.13	74%	0.120	0.58	$400,000	9.58	High

7.2 Implementation Strategy

The SWQMP provides City staff with the tools necessary to evaluate and select identified projects for future implementation. The Workplan outlines the implementation strategy and steps for leveraging these tools to decide the projects that get implemented. The City's implementation strategy consists of five steps to advance projects identified in the SWQMP through construction depicted in Figure 7-1.

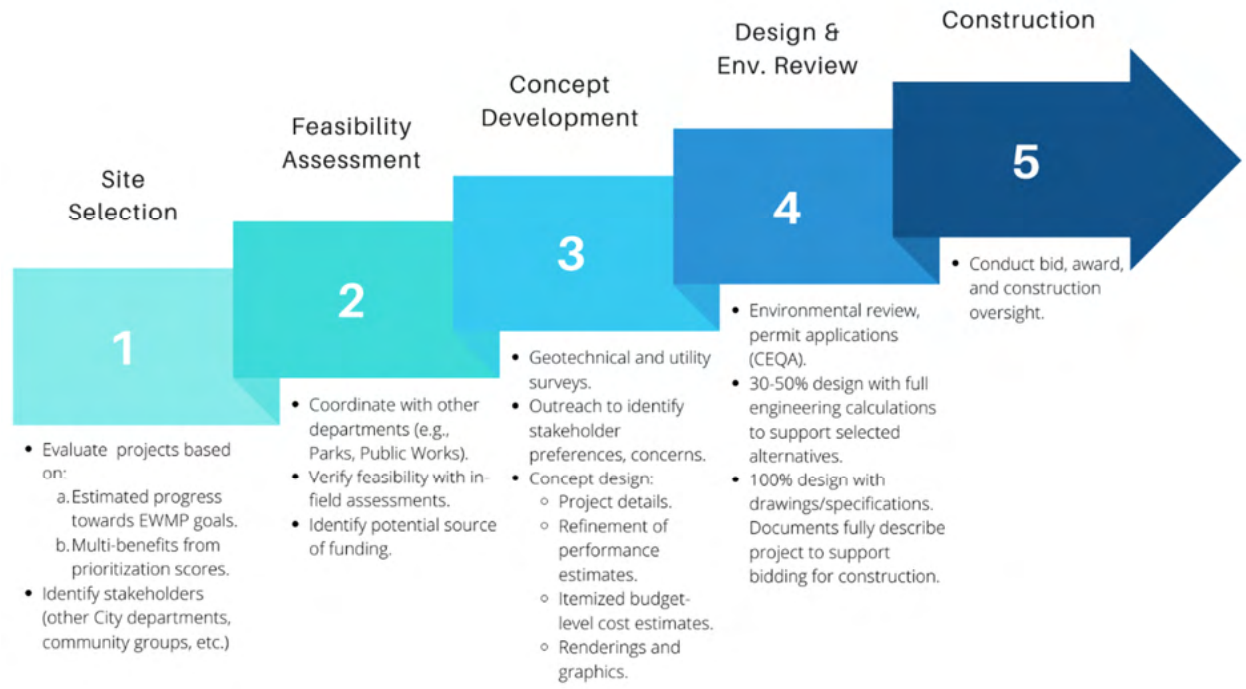


Figure 7-1. Overview of implementation strategy.

STEP 1: SITE SELECTION

The result of the project identification (outlined in the Master Plan document) and the prioritization process described in this Workplan is a list of projects that are evaluated for their ability to achieve progress towards water quality goals, an assessment of multiple benefits through the prioritization analysis, and preliminary planning-level cost estimates. The City will consider the estimated progress towards achieving the EWMP goals, a projects prioritization score, and identification of stakeholders. The list of projects ranked by estimated EWMP Equivalent Volume discussed in Section 4.2.3 serves as the starting point for identification of near-term projects that the City will select from and advance to the next steps of project implementation. The City will first identify a set of high-ranking projects from this list for consideration. From this set, scores from the prioritization analysis can be compared to identify the projects that achieve other multi-benefits in addition to water quality improvement. Projects that have both high EWMP Equivalent Volumes and prioritization scores are likely to perform well from a water quality perspective while exhibiting a higher number of benefits evaluated in the prioritization. Lastly, potential stakeholders should be identified for coordination during the feasibility assessment. For

example, a project on one of the City's public parks will require coordination with the City's Parks, Recreation, and Community Services department. Projects co-located with a planned street improvement will require coordination with the Public Works Department. Additionally, any relevant community groups should be identified for potential outreach during the concept development phase. During the prioritization, co-located capital improvement projects were identified for any of the SWQMP projects and are represented in the prioritization scoring. This can help determine which stakeholders may need to be involved. Once the City selects a priority project from the set of high-ranking projects under consideration, and the selection is approved by management, the project opportunity may advance to feasibility assessment.

STEP 2: FEASIBILITY ASSESSMENT

The feasibility assessment is intended to identify any potential constraints or challenges that could reduce the feasibility of the project (increased cost, engineering difficulty, or decreased performance) before too much effort is placed in concept development or stakeholder engagement. This should include 1) inter-departmental coordination, 2) a site assessment to verify constraints, and 3) an evaluation of potential funding sources. If any other City departments have been identified as potential stakeholders, those departments should be engaged early to assess support for partnership. If possible, a joint site walk should be scheduled with all departments to discuss expectations and priorities for the site. The site assessment should consist of a "desktop" survey of constraints using all available data, including locations of major utilities, grading issues, high groundwater levels, existing nearby groundwater contamination, etc. An in-field visit should be scheduled to verify results from the desktop survey, as well as to identify any additional constraints that may have been missed. Lastly, the potential funding mechanism should be identified. In addition to the County's Measure W and the City's Measure CW for stormwater projects, several opportunities for grant funding may be pursued and are discussed in Section 7.3. Once a project has met all feasibility criteria, a potential funding source has been identified, all stakeholders have been engaged, and management approval is obtained, the development of a concept design may be conducted. Any project that does not meet the criteria determined in the feasibility assessment can be removed from the list of projects, and a new priority site should be selected.

STEP 3: CONCEPT DEVELOPMENT

The concept design serves as a mechanism to further evaluate site constraints, obtain input on design elements, and produce more detailed alternatives and cost estimates. Additionally, the concept design serves as a tool for communication with multiple audiences. The concept can be used to discuss specific design elements, portray to the community what the potential project may look like, and communicate the project benefits to City leaders, the public, and any additional stakeholders. Development of the concept typically involves collection of additional information. This typically includes an in-depth utility survey, investigation of groundwater characteristics (e.g., depth to water table, infiltration rates, and assessment of existing contamination), and outreach to collect input from specific stakeholders and the community on specific design elements.

STEP 4: DESIGN AND ENVIRONMENTAL REVIEW

Once the concept design has been approved by relevant stakeholders and management, the City may issue a call for bids for the design and environmental review

of the proposed project. This step may include a pre-final (30 to 50 percent design) phase that includes full engineering calculations to support the selection of design alternatives. Final (100 percent) design includes the development of complete drawings and specifications and fully describe the project to support bidding (Design-Bid-Build) or construction (Design-Build). This step also includes the necessary environmental review of the project and obtainment of required permits.

STEP 5: CONSTRUCTION

The final step for project implementation is the construction. For the City, this consists of the bidding and awarding process, as well as providing construction oversight.

A diagram on the following page shows an overview of the process and considerations for Steps 1 through 3 (Figure 7-2)

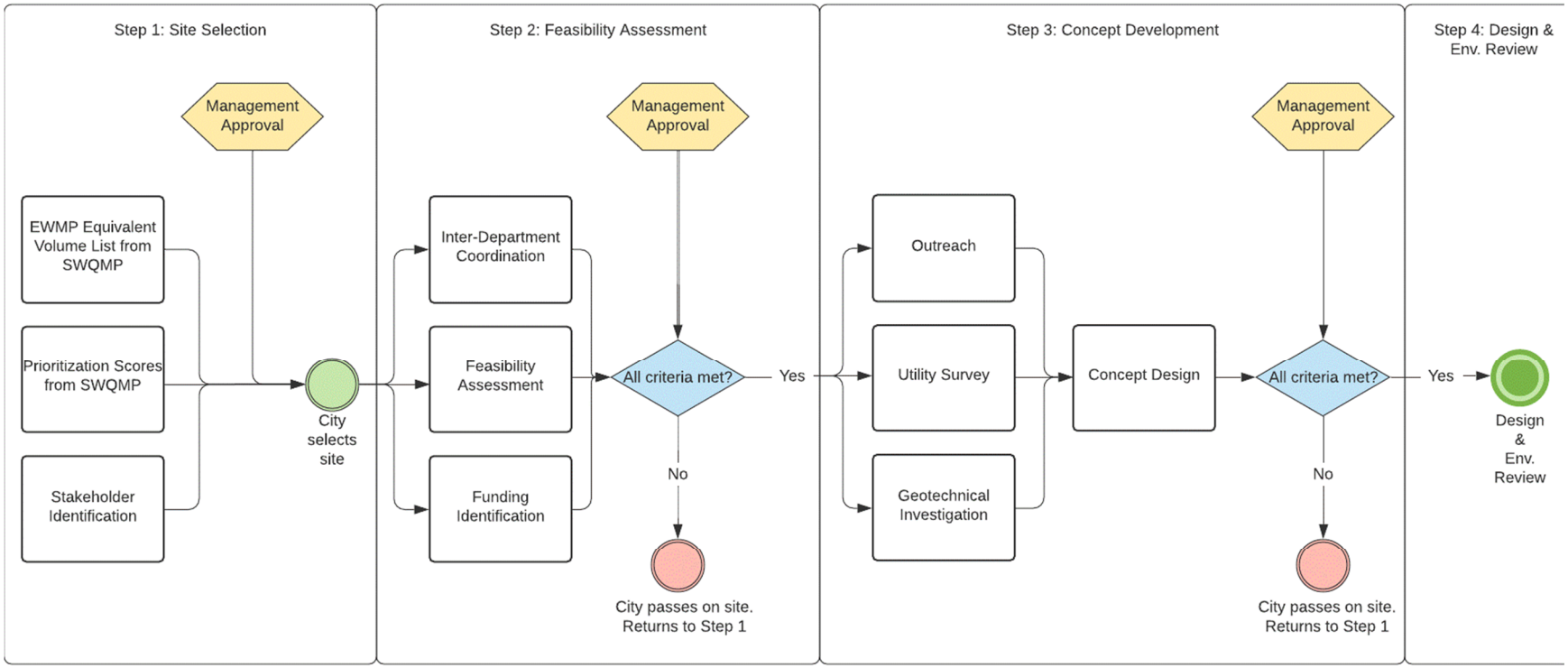


Figure 7-2. Process flow for Steps 1 through 4.

7.3 Grant Funding Strategy

To meet the requirements of stormwater regulations in the Los Angeles region, municipalities will need to invest heavily in infrastructure that improves stormwater quality. Municipalities that are members of the BC EWMP are estimated to need $138 million for stormwater projects to meet full compliance. Historically, dedicated sources of funding for municipal stormwater programs and infrastructure have been difficult to secure. However, in 2016, Culver City and its residents took proactive steps to fund stormwater projects through passage of Measure CW, the Clean Water, Clean Beaches Parcel Tax dedicated to funding water quality programs that will reduce and prevent pollution of waterways, beaches, and the Ballona Creek Estuary. While Measure CW is estimated to generate around $2 million annually, meeting compliance will likely require additional sources of funding. Grants will be key to bridging the gap in funding and ensuring the City obtains the resources needed to meet compliance and meet stormwater quality goals. This grant funding strategy outlines several local, state, and federal resources available to the City for the funding of stormwater quality projects.

7.3.1 Local Funding Programs

Measure CW created a dedicated source of funding for stormwater projects within the City. Additionally, Los Angeles County residents voted in 2018 to approve Measure W, a special parcel tax estimated to generate approximately $300 million per year for clean water projects through the County's Safe Clean Water Program. Through this program, each of the County's municipalities receives a local share proportional to the amount of taxes collected within their jurisdiction. The combined revenue from Measure CW and the City's local share from Measure W is approximately $2.75 million per year.

In addition to the local share provided by Measure W, 50 percent of Measure W funds will be allocated to the Regional Program, of which 85 percent will be used to directly fund the implementation of infrastructure projects. Through the Regional Program, municipalities can submit planned projects through a competitive process that will be scored on effectiveness and other multiple benefits. Projects that score well in terms of water quality improvement, water supply benefits, nature-based solutions, benefits to disadvantaged communities, and community support may be approved for funding. To apply for funding through the Regional Infrastructure Program, submitted projects must include a feasibility study, or they can be submitted to the Technical Resources Program where feasibility study will be completed. The SWQMP provides the City with the first steps needed to complete a feasibility study and submit projects to the Regional Program, including:

- Identification of hundreds of stormwater projects and prioritization based on metrics relevant to the scoring criteria of the Regional Program. This effort provided a list of vetted project opportunities whose details may be further advanced through concept design for future submittal to the Regional Program.
- Development of concept designs for highest priority regional projects. Details, costs, and multi-benefits were determined during the concept design and will serve as the cornerstone for the feasibility study needed to submit these projects for consideration of Regional Program funding. The details developed for these concepts are also key input for the modeling of water quality and water supply benefits necessary for project scoring.

7.3.2 State and Federal Funding Programs

In addition to the local funding sources available from Measures CW and W, several funding programs are available from state and federal agencies. Some of these programs focus on stormwater while other sources of funding may focus on other priorities, like climate change, sustainability, resiliency, and active transportation. The City can leverage these grant funding opportunities through the pursuit of creative well-rounded and multi-benefit stormwater projects that are attractive to several programs. This approach opens multiple avenues to fund the City's stormwater projects and increases the chances that the City can leverage outside funding. For example, bioretention implemented along roadways that also incorporate transportation improvements can appeal to both urban greening and active transportation advocates while also improving stormwater quality. Several of the prioritization metrics used in the SWQMP were chosen to fit different applications relevant to alternative funding opportunities.

A key grant opportunity is through the state's Stormwater Grants Program (Proposition 1). This program focuses on projects that capture and treat stormwater or dry weather runoff while providing a variety of potential benefits, including water supply, flood control, habitat enhancement/restoration, or creation of green spaces. Eligible projects specifically include green infrastructure, rainwater and stormwater capture, and stormwater treatment facilities and are directly relevant to the types of projects proposed by the SWQMP. More information can be found at waterboards.ca.gov.

Another key opportunity for funding is from California Climate Investments, an initiative that uses California's cap-and-trade dollars to invest in projects related to affordable housing, renewable energy, public transportation, zero-emission vehicles, environmental restoration, and clean technologies that reduce pollution. A variety of programs, ranging from urban greening and urban forestry to climate resiliency and sustainable communities, are available to local municipalities. A list of these programs can be found at caclimateinvestments.ca.gov.

The Active Transportation Program (ATP), administered by Caltrans and the California Transportation Commission, can be a potential funding source for stormwater projects along City streets. The ATP focuses on projects that increase the proportion of trips accomplished by biking and walking, increase safety and mobility for non-motorized users, promote greenhouse gas reduction, and enhance public health while ensuring disadvantaged communities have equal access to the benefits of the program. Green street elements can incorporate traffic safety features like curb extensions and bulb-outs at crosswalks that increase pedestrian visibility/safety and encourage non-motorized transport. More information on applying for program funds can be found at catc.ca.gov.

The grant programs discussed above are just a few key programs available to municipalities. There are many other state and federal grant programs that can be explored, and where possible, the City will explore multi-benefit stormwater projects that may be able to leverage these alternate sources of funding. Some of these programs are listed below.

State Programs:

- Affordable Housing and Sustainable Communities (AHSC)
- Cal Department of Forestry and Fire Protection: Urban and Community Program
- Cal Clean Water State Revolving Fund
- Cal Department of Water Resources: Integrated Regional Water Management Program Implementation Grants
- Cal Natural Resource Agency Urban Greening Grants
- Cal Drought, Water, Parks Climate Protection, and Outdoor Access For All Act of 2018
- Cal State Parks Land & Water Conservation Fund and Rails-to-Trails Programs
- Caltrans Cooperative Implementation Agreements or Grants Program
- Safe Routes to Schools
- Strategic Growth Council: Urban Greening Program
- Transportation Development Act, Article 3 (TDA 3)
- Transportation Fund for Clean Air (TCFA)
- Transportation for Livable Communities (TLC)

Federal Programs:

- FEMA Hazard Mitigation Grant Program
- FEMA: Pre-Disaster Mitigation Grant Program
- USDA: US Forest Service Urban and Community Forestry Program
- USDOT: Transportation Investment Generative Economic Recovery (TIGER) Program
- USDOT: Federal Highway Administration (FWHA) Surfaces Transportation Block Grant – Transportation Alternatives Set-Aside
- US HUD: Community Development Block Grant (CDGB)
- US HUD: Sustainable Communities Regional Planning Grants
- US HUD: Community Challenge Planning Grants
- US EPA: Clean Water State Revolving Fund
- US EPA: Urban Waters Small Grants Program

The City will continuously engage state and federal agencies that administer these programs to best understand expectations for grant proposals. Through this engagement, the City will be able to identify which programs are likely to pair well with stormwater projects and obtain a more thorough understanding of the selection criteria. As part of its funding strategy, the City will diligently track the timing of various grant proposal solicitations to identify when proposal efforts can be leveraged for multiple grants and to increase opportunities for funding from multiple sources.

7.3.3 Public-Private Partnerships

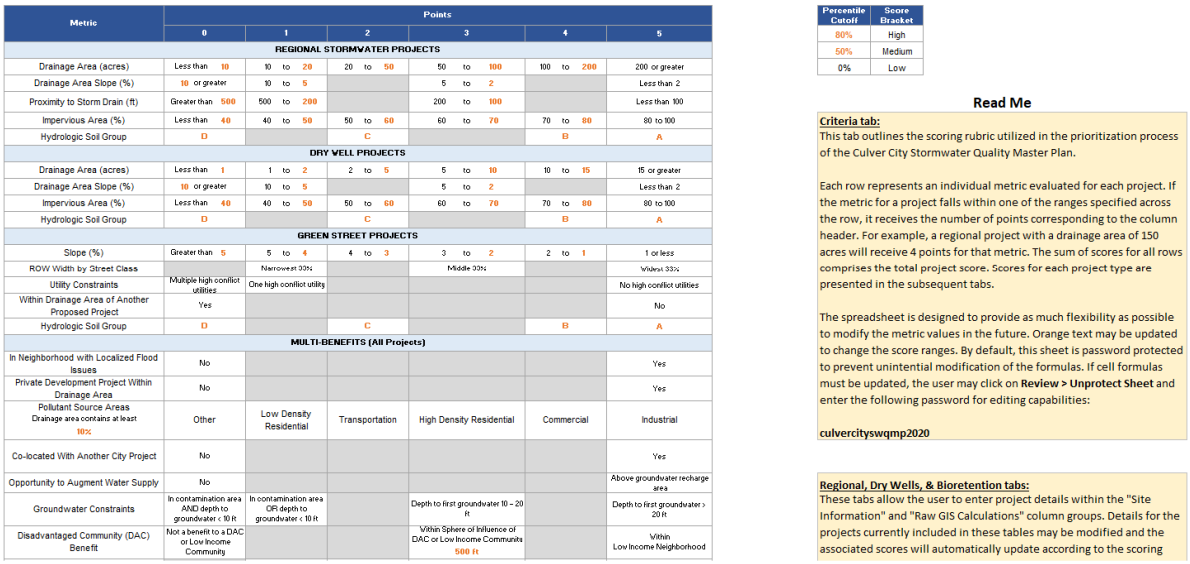
Public-private partnerships can be an effective strategy for implementing stormwater projects. Such partnerships are contractual agreements between a public entity and private landowners and developers to provide some asset or service that provides a public benefit. For stormwater quality projects, this often takes the form of a private landowner allowing the construction of a stormwater facility on their property and funding a portion of the project in exchange for the public entity bearing the burden of design, construction, and maintenance.

Culver City has successfully entered a public-private partnership with the Culver City Costco to construct the Washington Boulevard Stormwater and Urban Runoff Diversion Project to meet MS4 permit requirements. Through the partnership, Costco funded $2.14 million of the $8 million project cost that would have otherwise been spent to meet its own stormwater permit requirements. The City is also able to build a more effective project with 30 percent cost savings than if the two entities had pursued separate projects. Through the agreement, Costco also pays an annual fee for the City to assume full responsibility for ongoing maintenance. The project will capture and store dry and wet weather runoff until it is slowly released to the sanitary sewer system where it will be treated for pollutants by the City of Los Angeles' Hyperion Reclamation Plant. The project will reduce the transport of pollutants to the Marina del Rey Harbor.

Public-private partnerships create positive working relationships between the City and its local businesses, while creating opportunities to implement more effective, lower cost projects that clean local water resources. The City will continue to search for opportunities for public-private partnerships as part of its funding strategy.

7.4 Adaptive Management

The SWQMP is designed to serve the City as a "living" document that will continue to be updated over time to incorporate multiple benefit projects as they are identified. The dashboard and Excel project database contain comprehensive lists of priority-ranked locations for project opportunities on City-owned parcels and public rights-of-way. This database of potential project locations will serve as a resource for the selection of stormwater capture projects throughout time to meet the water quality goals of the EWMP. Once those projects are more fully conceptualized, the SWQMP will be used as the primary mechanism for ensuring that other multiple benefits are incorporated into project concepts and designs. The SWQMP may be updated due to the identification of new project opportunities that may offset the need for additional projects required to meet the EWMP goals. The dashboard tools outlined in the previous sections were developed to provide the City with the flexibility needed to update project details and prioritization scores (see Figure 7-3). Additionally, new projects may be added to the database and scored using the same criteria by entering a few project details.



Metric	Points					
	0	1	2	3	4	5
REGIONAL STORMWATER PROJECTS						
Drainage Area (acres)	Less than 10	10 to 20	20 to 50	50 to 100	100 to 200	200 or greater
Drainage Area Slope (%)	10 or greater	10 to 5		5 to 2		Less than 2
Proximity to Storm Drain (ft)	Greater than 500	500 to 200		200 to 100		Less than 100
Impervious Area (%)	Less than 40	40 to 50	50 to 60	60 to 70	70 to 80	80 to 100
Hydrologic Soil Group	D		C		B	A
DRY WELL PROJECTS						
Drainage Area (acres)	Less than 1	1 to 2	2 to 5	5 to 10	10 to 15	15 or greater
Drainage Area Slope (%)	10 or greater	10 to 5		5 to 2		Less than 2
Impervious Area (%)	Less than 40	40 to 50	50 to 60	60 to 70	70 to 80	80 to 100
Hydrologic Soil Group	D		C		B	A
GREEN STREET PROJECTS						
Slope (%)	Greater than 5	5 to 4	4 to 3	3 to 2	2 to 1	1 or less
ROW Width by Street Class		Narrowest 33%		Middle 33%		Widest 33%
Utility Constraints	Multiple high conflict utilities	One high conflict utility				No high conflict utilities
Within Drainage Area of Another Proposed Project	Yes					No
Hydrologic Soil Group	D		C		B	A
MULTI-BENEFITS (All Projects)						
In Neighborhood with Localized Flood Issues	No					Yes
Private Development Project Within Drainage Area	No					Yes
Pollutant Source Areas Drainage area contains at least 10%	Other	Low Density Residential	Transportation	High Density Residential	Commercial	Industrial
Co-located With Another City Project	No					Yes
Opportunity to Augment Water Supply	No					Above groundwater recharge area
Groundwater Constraints	In contamination area AND depth to groundwater < 10 ft	In contamination area OR depth to groundwater < 10 ft		Depth to first groundwater 10 – 20 ft		Depth to first groundwater > 20 ft
Disadvantaged Community (DAC) Benefit	Not a benefit to a DAC or Low Income Community			Within Sphere of Influence of DAC or Low Income Community 500 ft		Within Low Income Neighborhood

Percentile Cutoff	Score Bracket
80%	High
50%	Medium
0%	Low

Read Me

Criteria tab:
This tab outlines the scoring rubric utilized in the prioritization process of the Culver City Stormwater Quality Master Plan.

Each row represents an individual metric evaluated for each project. If the metric for a project falls within one of the ranges specified across the row, it receives the number of points corresponding to the column header. For example, a regional project with a drainage area of 150 acres will receive 4 points for that metric. The sum of scores for all rows comprises the total project score. Scores for each project type are presented in the subsequent tabs.

The spreadsheet is designed to provide as much flexibility as possible to modify the metric values in the future. Orange text may be updated to change the score ranges. By default, this sheet is password protected to prevent unintential modification of the formulas. If cell formulas must be updated, the user may click on **Review > Unprotect Sheet** and enter the following password for editing capabilities:

culvercityswqmp2020

Regional, Dry Wells, & Bioretention tabs:
These tabs allow the user to enter project details within the "Site Information" and "Raw GIS Calculations" column groups. Details for the projects currently included in these tables may be modified and the associated scores will automatically update according to the scoring

Figure 7-3. Screenshot of the Prioritization Matrix containing editable cells for modifying scoring criteria, updating project details, and entering new projects in the future.

The WRAMPS website (wramps.org) may be used to retrieve estimates of EWMP Equivalent Volume for newly identified projects. This allows for direct comparison of stormwater capture effectiveness to projects already within the SWQMP database. WRAMPS allows users to enter project details for planned or build projects to estimate stormwater capture consistent with the methodologies used in the EWMPs (see Figure 7-4).

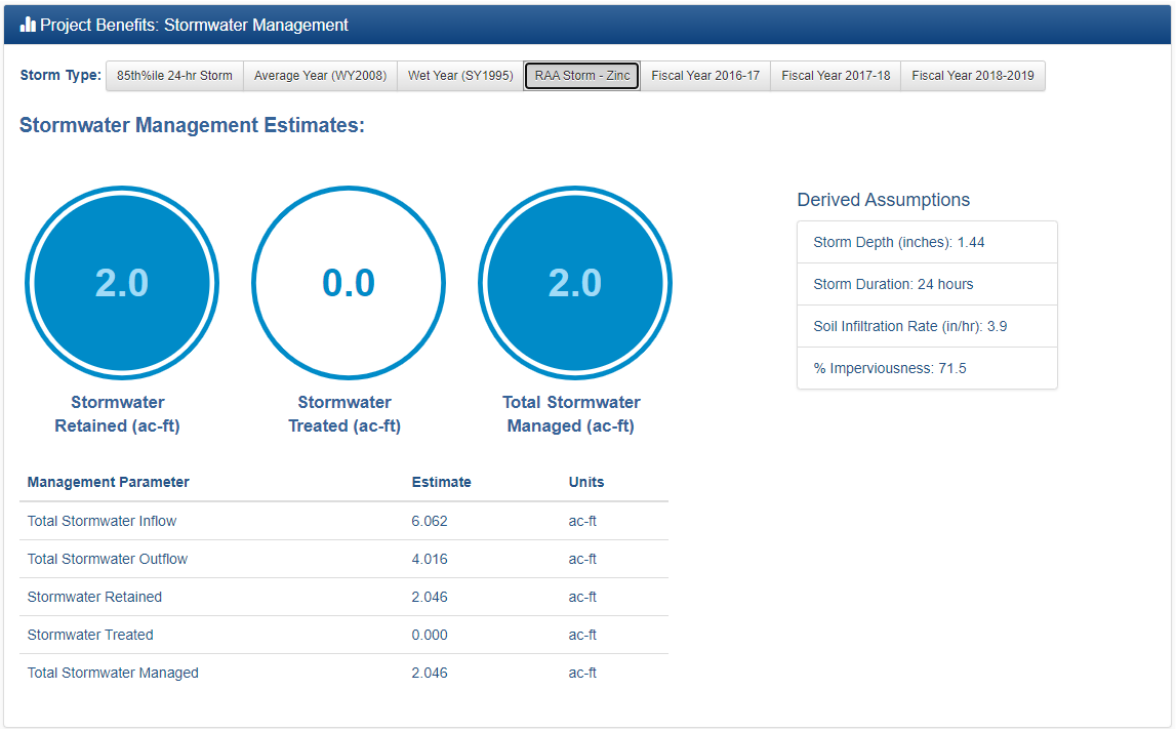


Figure 7-4. Screenshot of the estimated stormwater capture benefits from WRAMPS for an example Culver City project.

8 PUBLIC OUTREACH PLAN (POP)

The City of Culver City (City) is developing a Stormwater Quality Master Plan (SWQMP) to guide proposed actions for compliance with the municipal separate storm sewer system (MS4) permit, Ballona Creek Enhanced Watershed Management Program, Marina Del Rey Enhanced Watershed Management Program, and ultimately to achieve the total maximum daily load (TMDL) requirements that drive these regulations. The SWQMP addresses only projects within the Ballona Creek watershed and is intended to be used as a tool for the City to achieve stormwater quality goals efficiently, identify and prioritize project opportunities, maximize funding opportunities, and engage with the community, stakeholders, and potential project partners.

The City is required to meet stormwater quality compliance targets outlined in the Ballona Creek Enhanced Watershed Management Program. To do that, the City is responsible for capturing 99 acre-feet of stormwater. The analysis included in the SWQMP resulted in identification of over 400 of the best project opportunities that, if constructed, would achieve 69 acre-feet of capture. While still short of the 99 acre-feet goal, the estimated cumulative cost of these 400 projects would take over 25 years to construct with the current budget of $2.7M per year. The SWQMP is a decision-making tool to help the City establish a defensible stormwater quality compliance strategy that provides three different ways to prioritize projects: 1) by Annual Budget; 2) by Cost-Effectiveness; and 3) by Multi-Benefit Metrics. Depending on the priorities of the City, different projects can be selected to move forward into feasibility study, design, and construction. The SWQMP also includes a web-based dashboard tool to facilitate collaboration within the City to increase efficiency, and track compliance progress as well as spending through the planning, bid, and construction phases of a project. Lastly, this SWQMP includes concept plans for the top ranked Multi-Benefit priority projects intended to be used as a communication tool to obtain project funding and public engagement once pushed forward to the feasibility study stage.

The Public Outreach Plan establishes a comprehensive outreach program for engaging stakeholders in the SWQMP development process. This Public Outreach Plan outlines the approach and methods by which the project team will engage stakeholders and set the stage for implementation of project opportunities identified in the SWQMP.

8.1 Engagement Objectives

The following objectives define the purpose of outreach and engagement during development of the SWQMP.

- Raise awareness and inform stakeholders about:
    - The need for and purpose of the SWQMP and project opportunities identified in the SWQMP
    - Cost to achieve stormwater quality goals and funding sources
    - Opportunities for public participation and input
- Report on the project team's work to date in developing the SWQMP
- Clearly communicate how project opportunities were identified, and prioritization methods

- Clearly communicate how the SWQMP tool can be used for planning, budgeting, and meeting stormwater quality compliance targets
- Respond to stakeholder questions and concerns
- Seek information and feedback on elements of the SWQMP, and incorporate input as appropriate to finalize the SWQMP
- Garner public acceptance of the SWQMP and project opportunities contained within the SWQMP
- Facilitate adoption of SWQMP by City Council

8.2 Key Stakeholders and Level of Involvement

There are a range of stakeholders and interested parties in Culver City and region-wide, from decision-making bodies to utilities, environmental organizations, and residents. Using the following tool as a foundation for identifying stakeholders and their appropriate level of involvement, the Spectrum of Public Participation (see figure below) developed by the International Association for Public Participation (IAP2) clarifies the role of the public in planning and decision-making. The Spectrum identifies five levels of public engagement: Inform, Consult, Involve, Collaborate, and Empower. The farther to the right on the Spectrum that a decision maker chooses, the more impact or influence the public expects to have on the decision. Individual stakeholder groups can be at different levels on the Spectrum and can migrate amongst levels at different phases of the process. Each level on the Spectrum includes a public participation goal and the underlying promise to the public.

IAP2 Spectrum of Public Participation

IAP2's Spectrum of Public Participation was designed to assist with the selection of the level of participation that defines the public's role in any public participation process. The Spectrum is used internationally, and it is found in public participation plans around the world.

INCREASING IMPACT ON THE DECISION

	INFORM	CONSULT	INVOLVE	COLLABORATE	EMPOWER
PUBLIC PARTICIPATION GOAL	To provide the public with balanced and objective information to assist them in understanding the problem, alternatives, opportunities and/or solutions.	To obtain public feedback on analysis, alternatives and/or decisions.	To work directly with the public throughout the process to ensure that public concerns and aspirations are consistently understood and considered.	To partner with the public in each aspect of the decision including the development of alternatives and the identification of the preferred solution.	To place final decision making in the hands of the public.
PROMISE TO THE PUBLIC	We will keep you informed.	We will keep you informed, listen to and acknowledge concerns and aspirations, and provide feedback on how public input influenced the decision.	We will work with you to ensure that your concerns and aspirations are directly reflected in the alternatives developed and provide feedback on how public input influenced the decision.	We will look to you for advice and innovation in formulating solutions and incorporate your advice and recommendations into the decisions to the maximum extent possible.	We will implement what you decide.

This plan assumes that during SWQMP development most stakeholders and the general public will be at the Inform or Consult level of the Spectrum. However, when advancing projects forward to design and construction, stakeholders such as residents and businesses near the proposed project location and project partners, could be at the Involve or Collaborate level of the Spectrum.

Target audiences for public outreach and involvement efforts for this process include, but are not limited to:

- Utilities
- School district
- Residents
- Businesses
- Developers
- Park users/leagues
- Neighborhood and homeowners associations
- Community organizations
- Environmental groups
- City government
- Regional Board
- Tribal groups
- Local media outlets (although not technically a stakeholder, the media is a primary audience group that can help disseminate information to the greater local public)

8.3 Engagement Tactics

Engagement requires a multi-pronged approach to reach different community members and key stakeholder groups, as outlined in the table below. As a result of the COVID-19 pandemic, the engagement strategy has been designed to accommodate mandatory social distancing guidelines while ensuring effective, equitable, and safe engagement for the development, and ultimately adoption, of the SWQMP.

The following are tactics that will be implemented to achieve the engagement objectives stated earlier in this plan.

Tactic	Expected Timing	Description
Webpage	Develop in May 2021; Update as Needed	Establish a webpage to serve as an online repository for information and resources, such as the fact sheet, workshop materials, opportunities to participate and provide input, information on how to contact the project team, and a sign-up form to receive future updates. Webpage will be hosted on the City's website.

Project Email and Phone Number	May 2021 through City Council Adoption anticipated in August 2021	Maintain a project phone number and email through which stakeholders can communicate questions and comments to the project team.
Stakeholder List	May 2021 through City Council Adoption anticipated in August 2021	Establish and maintain a list of key stakeholders. This list should be updated on an ongoing basis by adding stakeholders who attend briefings and public workshop(s), contact the project team, and sign up on the webpage to receive future updates.
Key Messages & FAQs	May 2021	Develop a messaging plan and use it as the basis for all communications. Develop a frequently asked questions (FAQs) document to respond to anticipated questions. FAQs can be posted on the webpage.
Fact Sheet	May 2021	Develop a fact sheet for use on the webpage, during stakeholder briefings, and at the virtual public workshop(s). Use visuals and graphics to help communicate complex information when possible. Fact sheet will be translated into Spanish.
Notifications	As Needed Based on Milestones	Updates and event notifications will be provided to stakeholders via multiple channels, including: • E-blasts via GovDelivery • News releases targeting local media, such as Culver City News and Culver City Observer, and regional media • Social media channels (including Facebook, Twitter, Instagram, and Nextdoor) • Multicultural and neighborhood networking – electronic notice and request for key stakeholders to distribute via newsletters, email lists, websites, and social media

Public Workshop(s)	June 2021	Hold up to two public workshops to educate stakeholders and solicit feedback on elements of the SWQMP. Project team members will provide an informative presentation and answer questions during the workshop(s). Hold workshop(s) via a virtual platform such as Zoom that also allows participation by phone and incorporate interactive components as appropriate unless and until in-person meetings are allowed and practical. Develop a brief logistics memo to include details, such as format, agenda, and necessary staffing and materials. The logistics memo will also include an outline for publicizing the workshop(s), including methods and schedule.
City Council Meeting	August 2021	The City Council will consider adoption of the SWQMP at a regularly scheduled City Council meeting. Members of the public will have the opportunity to provide comments before the City Council takes action.

8.4 Engagement Schedule

The following shows the schedule of key engagement milestones.

	May	June	July	August
Webpage				
Project Email and Phone Number				
Stakeholder List				
Key Messages & FAQs				
Fact Sheet				
Draft SWQMP Released				
Notifications				
Stakeholder Briefings				
Public Workshop(s)				
Final SWQMP Released				
City Council Meeting				

8.5 Equitable Engagement

Seeking feedback from a broad and diverse group of stakeholders is a key objective of this plan. The following are considerations and strategies to ensure equitable engagement within Culver City and the region.

8.5.1 Varied Engagement Types

COVID-19 safety concerns and precautions have shifted communication and engagement to primarily virtual platforms while Stay at Home orders and/or mandatory social distancing guidelines are in place, and engagement may continue to be largely via online formats even after orders are lifted. Although online platforms provide easy access for many, digital resources pose challenges for those without access to the Internet and other disadvantaged communities. As such, the following strategies will be implemented:

- Offer information through varied channels, including a project phone number and hard copies where possible. Materials will be made available in hard copy to stakeholders by request.
- Adhere to ADA standards for digital resources, including but not limited to sizing, formatting, and inclusion of descriptions and captions for images and videos.

8.5.2 Engaging Multicultural Communities

The following are potential strategies to ensure engagement with multicultural communities within Culver City and the region:

- Include in the stakeholder list relevant multicultural organizations, including tribal contacts, Spanish-speaking organizations, advocacy groups, and other multicultural contacts; leverage connections with them to notify their communities and seek input from them.
- Provide key materials in English and Spanish.
- Provide Spanish or other language meeting options upon request.
- Designate a Spanish-speaking project team member to handle Spanish inquiries received through communication channels.

8.6 Evaluation

At various points in the engagement process, particularly after a key milestone or event, the project team will assess how well the communication and engagement methods that were implemented met the objectives outlined in this plan. This evaluation will allow the project team to update strategies or redirect resources as needed to ensure a successful outcome for public outreach.

Metrics to evaluate the effectiveness of the engagement include:

- Feedback received from key stakeholders
- Level of preparedness of spokespersons
- Identification of anticipated questions and responses to these questions
- Level of community participation in opportunities for input and attendance at events
    - Number of and types of comments received
    - Number and variety of commenters
- Number of community events and notification/outreach activities
- Quantity and quality of balanced media coverage
- Webpage view metrics gathered and tracked

Questions to consider for evaluation of the outreach process may include:

- Were engagement objectives met?

- Were stakeholders properly identified?
    - If not, which stakeholders were missing?
- Were stakeholders properly reached?
    - Were any communication methods not successful in reaching the intended audience?
    - If not, is there another communication method that may work better?
- Did attendees leave events feeling their concerns and questions were addressed?
- Was information presented in an understandable way?
- Did the workshop format meet the needs of the community and allow for successful interaction?
- Did attendees understand how to make an informed, substantive comment that would be helpful in the development of the SWQMP?
- Were stakeholders generally satisfied with the outreach process?

To answer these types of questions, the project team will obtain informal feedback from stakeholders to evaluate the outreach process.

8.7 Summary

Implementation of this Public Outreach Plan is the City's best effort to ensure stakeholders and the public are engaged in the SWQMP development process to obtain meaningful feedback on the SWQMP. Public information and outreach materials and stakeholder/public comments and responses are included in Appendix F.

9 SWQMP PROJECT SUMMARY

9.1 Comparison to BC EWMP Water Quality Goals

The Ballona Creek EWMP has served as the guiding document for the implementation of stormwater projects in the City since its approval by the RWQCB in 2016. The EWMP and RAA modeling were completed using the best state-of-science and modeling practices at the time of publication to demonstrate that implementation of the BMP strategy developed by the RAA would result in compliance with the MS4 Permit. The RAA modeling was based upon project opportunity screening on a watershed-scale across all jurisdictions in the Ballona Creek watershed using a generalized approach. The SWQMP opportunity identification goes into greater detail by looking exclusively at Culver City-owned properties with City-specific datasets and known constraints to refine potential project opportunities. Feasibility was considered in greater depth for the identification of the projects in the SWQMP. As a result, the SWQMP projects vary from the BMP strategy identified in the EWMP but contain projects that have a higher chance of being implemented. The EWMP contains provisions for adaptive management; as long as the EWMP compliance targets are met, municipalities may implement a different set of projects as conditions change and additional feasibility data is collected. As such, it is expected that implemented projects will vary from the original EWMP list. Table 9-1 shows the EWMP compliance targets and the combination of stormwater BMPs needed to meet that target identified by the RAA.

The EWMP compliance targets are based on critical metals (zinc) and bacteria storms. These storms were developed based on an analysis that determined treatment of these storm sizes would result in meeting receiving water limitations (RWLs) for zinc and an allowable number of exceedance days annually for bacteria. This analysis is documented in greater detail in the EWMP (BCWMG 2016). For Culver City, this means that approximately 118.3 acre-feet of runoff must be managed by stormwater BMPs during a 24-hour storm. This volume can be achieved through any combination of stormwater BMPs, although Table 9-1 represents the most cost-optimal solution from the RAA. Table 9-1 also compares the SWQMP project capacities to the capacities identified by the RAA.

Table 9-1. EWMP Compliance Targets Comparison

EWMP Compliance Targets		RAA Storage Capacity (ac-ft)				
Metals 24-hour Volume Managed (ac-ft)	Bacteria 24-hr Volume Managed (ac-ft)	LID	Green Streets	Regional BMPs	Regional (TBD)	Total
108.5	118.3	17.6	19.6	5.3	56.5	98.7
	Percent Total Capacity =	*18%*	*20%*	*5%*	*57%*	*100%*
	SWQMP Project Capacity =	***9.6***	***19.6***	***40.0***	***29.5***	***98.7***
	Percent Total Capacity =	*10%*	*20%*	*41%*	*30%*	*100%*

The 24-hour volume managed was modeled for each project using WRAMPS. The cumulative volume managed of all identified SWQMP projects estimated in WRAMPS is approximately 37 ac-ft of the required 118.3 ac-ft (roughly 37% of the required reduction). While per-project estimates allowed for the relative comparison of stormwater capture performance across projects in the prioritization analysis, the sum of these estimates may

not adequately represent the citywide impact of all SWQMP projects. To compare to the EWMP goals based on volume managed, the SWQMP projects would need to be modeled in an update to the RAA to understand the holistic impacts the distributed SWQMP projects would have on the City's compliance progress. While an RAA was not a part of the SWQMP development, the projects identified in the SWQMP can be used to inform planned updates to the Ballona Creek EWMP and RAA in 2021.

Without an update to the RAA, the most reliable indicator of progress is the total project capacity. The SWQMP identified 441 projects with a total capacity of 69.2 acft of the required 98.7 acft (roughly 70% of the required capacity). This does present a marked improvement over the distribution prescribed in the EWMP. Following EWMP development, the City was expected to provide 56.5 acft of BMP capacity from unidentified regional projects assumed to be on private property. The proposed distribution in the SWQMP closes that gap to 29.5 acft.

9.2 Closing the Compliance Gap

The compliance gap is the difference in the volume required to meet water quality goals and the volume of identified projects. The BC EWMP recognized this gap to be filled by regional private projects. Moving forward, the City can consider the following:

- As the BC EWMP is updated, the RAA will also be reconsidered. Rather than rely on the low-resolution approach provided across the watershed, Culver City can have the RAA update team include the SWQMP proposed project distribution. Using more refined information may alter the total volume the City is expected to provide capacity for, further closing the gap.
- The SWQMP approach is to provide the City with a compliance planning progress tracking tool and web viewer. The SWQMP did not include projects that have already been constructed on private property, such as industrial permit compliance projects or privately installed post-construction BMPs to satisfy MS4 permit requirements. The City can add these projects to the database to increase project volume.
- As private development occurs in the City, partnership opportunities may exist to increase project volume.
- The capacities of projects identified as part of this study were estimated based on desktop analysis. Priority project concepts were developed further based on a closer look at site conditions and the project capacities were re-estimated. However, as feasibility analyses are completed for planned projects, actual project capacities may change, or there may be opportunities to oversize the facilities to increase a project's capacity. Examples where capacity increases might occur would include:
    - If more favorable soil characteristics are found at a project location than what was assumed in this analysis, the project may be able to infiltrate more water in 24 hours.
    - If a sewer analysis is completed as part of the feasibility analysis, and capacity exists for diversion to the Hyperion Reclamation Plant, the project may be built to capture more volume than originally assumed.
    - If a project adds dry wells that increase infiltrated volume.
    - If more space is available than originally assumed and project capacity is increased

10 REFERENCES

Ballona Creek Watershed Management Group. 2016. Enhanced Watershed Management Program for the Ballona Creek Watershed. January, 2016

See Appendix A Data Inventory

Appendix A – Data Inventory

#	ITEM	FORMAT	DESCRIPTION	Source/URL
1	LARIAC Data Imagery (Pictometry)	(Pictometry)	Obilique imagery	City, Lariac(2018)
2	LARIAC Data Access	DEM Slopes		City, Lariac(2018)
3	LARIAC Data Access	DEM		City, Lariac(2018)
4	LARIAC Data Access	Infrared/Intensity		City, Lariac(2018)
5	LARIAC Data Access	Drainage Areas	SW Drainage areas (Not lariac)	City, Lariac(2018)
6	LARIAC Data Imagery	ECW and ERS	4ft aerial Imagery of City	City, Lariac(2018)
7	LARIAC Data Imagery	GDB Mosaic	4ft aerial Imagery of City	City, Lariac(2018)
8	LARIAC Data Imagery	Geotiff	4ft aerial Imagery (300 geotifs) of City	City, Lariac(2018)
9	LARIAC Data Imagery	JPEGs	4ft aerial Imagery (300 jpgs) of City	City, Lariac(2018)
10	LARIAC Data Access - AOI (City_of_Culver_City.shp)	Shapefile - Polygon	Extent of tile area for Lariac Imagery	City, Lariac(2018)
11	LARIAC Data Access - Tile Index Grid (City_of_Culver_City_Tile_Index.shp)	Shapefile - Polygon	.5x.5miles tiles grid for 4"in Geotiffs and Jpeg2000	City, Lariac(2018)
12	LARIAC Data - Accuracy assesment	txt file	text file describing the location of the accruacy information for the Imagery	City, Lariac(2018)
13	CC_2ft Contours	Shapefile	2ft Contours	From City, 2012
14	City Data	Building	FromCity	
14	LARIAC Data Access	Building	Downloaded From LA County Portal 2014 and clipped to City Bdy	LA County GIS Portal - 2014
15	Public Works Capital Improvement Plans - 2019	GIS, PDFs	CIP(s) for incorporation into SWQMP. All related data, maps, documents, and electronic files, as available.	https://www.culvercity.org/home/showdocument?id=17560
16	Storm Drain Master Plan	PDFs	Documents	Not available
17	LA County Storm Drain GDB	GDB	Layers: CatchBasin - Points Culvert - Lines ForceMain - Lines GravityMain - Lines LateralLine - Lines MaintenanceHole - Points NaturalDrainage - Lines OpenChannel - Lines	Los Angeles County - Downloaded from LA County Data Portal (Summary: The Los Angeles County Storm Drain System is a geometric network model representing the storm drain infrastructure within Los Angeles County. The long term goal of this network is to seamlessly integrate the countywide drainage infrastructure, regardless of ownership or jurisdiction)
18	City Storm Drain, Sewer GDB	GDB	swCatchBasins - Simple swCulvert - Simple swDischargePoint - Simple swDrainageAreas - Simple swFitting - Simple swGravityMain - Simple swGrid - Simple swInlets - Simple swLateral - Simple swManhole - Simple swOpenDrain - Simple swStructure - Simple swStructures - Simple swSurfaceRunoffFlowLine - Simple swVirtualDrainline - Simple	MichaelBakerStorwaterMasterPlan_CC.gdb
19	Traffic and Mobility Plan	PDFs	Documents	
20	Traffic and Mobility Plan	GIS	Data	Not available
21	Bicycle and Pedestrian Master Plan	PDFs	Documents	
22	Bicycle and Pedestrian Master Plan	GIS	Data	Not available
23	Private Development Plans	Any	Map markup, or available documents and data for known projects in the next 5 - 10 years	Not available
24	Localized Flood Issues	Any	Map markup, or available documents and data	Not available

25	City Park Locations	GIS, PDFs, Interactive Map	Map markup, or available documents and data	https://www.culvercity.org/live/community-neighborhood/city-maps-gis-program
26	CCUSD School Locations	GIS, PDFs	Map markup, or available documents and data	https://www.ccusd.org/apps/pages/index.jsp?uREC_ID=692471&type=d&pREC_ID=1129386
27	Ballona Creek Jurisdiction/Owner Boundaries	Any	Map markup, or available documents and data	LA County GIS Portal - https://egis3.lacounty.gov/dataportal/2017/12/12/assessor-parcels-2016-tax-roll/ Need to request current from City
28	Dry Weather Flow Outfalls	Any	Map markup, or available documents and data	Not available
29	Sanitary Sewer MapBook	GDB See MichaelBakerStorwaterMasterPlan_CC.gdb	Sanitary_Sewer_ManholesAnno, Sewer_GravityMains_LinesAnno, Sewer Grid	City of Culver City - MichaelBakerStorwaterMasterPlan_CC.gdb
30	Sanitary Sewer	GDB See MichaelBakerStorwaterMasterPlan_CC.gdb	Notes - Simple ssAbandonedGravityMain - Simple ssAbandonedManhole - Simple ssAirLine - Simple ssControlValve - Simple ssFitting - Simple ssFloorDrain - Simple ssLateralLine - Simple ssManhole - Simple ssMeters - Simple ssPump - Simple ssPumpStations - Simple ssSewerGrid - Simple ssSewerMain - Simple ssStructure - Simple ssStructurePoint - Simple ssStructures - Simple ssSystemValve - Simple	City of Culver City - MichaelBakerStorwaterMasterPlan_CC.gdb
31	Parcel/Property Lines	GIS	2016 Parcels Ownership information	LA County GIS Portal - https://egis3.lacounty.gov/dataportal/2017/12/12/assessor-parcels-2016-tax-roll/ Need to request current from City
32	Landuse	Rest Services - Need GIS https://gisproxy.culvercity.org/arcgis/rest/services/zone53	Designations	City
35	Household Income/Distressed Neighborhoods	GIS	Ranges/Areas (Low/Mod Income Estimates Data: https://www.hudexchange.info/manage-a-program/census/state-data/ca/)	
34	Zoning	Rest Services - Need GIS https://gisproxy.culvercity.org/arcgis/rest/services/zone53	Designations	City
37	Easements	GIS	Ownership information	LA County GIS Portal - https://egis3.lacounty.gov/dataportal/2017/12/12/assessor-parcels-2016-tax-roll/ Need to request current from City
36	Environmentally Sensitive Areas	GIS	Area	https://egis3.lacounty.gov/dataportal/2015/08/06/sensitive-environmental-resource-areas-sera/
75	Fire District Map			Map Catalog: https://www.culvercity.org/enjoy/maps
38	Soil Type	GIS		https://www.nrcs.usda.gov/wps/portal/nrcs/surveylist/soils/survey/state/?stateId=CA https://data.lacounty.gov/Shape-Files/LA-County-Soil-Types/sz94-meiu

39	Caltrans Layers	ROW	ROW	Internal
40	MS4 Outfalls	GIS - Shapefile -Point		Los Angeles County - Downloaded from LA County Data Portal - https://egis3.lacounty.gov/dataportal/2014/06/30/stormwater-catchment-areas/
41	Ballona Creek Atlas	PDF		City of Culver City
42	16_0914_BCR PPT_polystyrene_banFINAL	PDF		City of Culver City
43	BCR presentation with videos [Repaired]	PPTX		City of Culver City
44	Community Outreach Meeting Brochure1	PDF		City of Culver City
45	Culver Blvd Stormwater Project Approach presentation	PDF		City of Culver City
46	CulverBlvdRealignmentWorks presentation	PDF		City of Culver City
47	Measure CW Slides	PPTX		City of Culver City
48	POLYSTYRENE ALTERNATIVES	PPTX		City of Culver City
49	Updated power point final presentation	PPTX		City of Culver City
50	WashingtonBlvdStormwaterPresentation	PDF		City of Culver City
51	Nightime Street Sweeping Routes.pdf	PDF	PDF - see if there is GIS data	Map Catalog: https://www.culvercity.org/enjoy/maps
52	Daytime Street Sweeping Routes.pdf	PDF	PDF - see if there is GIS data	Map Catalog: https://www.culvercity.org/enjoy/maps
53	Figures_CC-Sewer-Diversions-Complete-140708.pd	PDF	PDF - see if there is GIS data	City of Culver City
54	Event Calendar.docx	DOCx	City Events calendar	City of Culver City taken from https://www.culvercity.org/enjoy/community-calendar
55	COMMISSIONS.docx	DOCx	List of Commision, Board and commitees with Hyperlinks to City website	City of Culver City
56	Catch Basins Installations_2015.xlsx	XLSX	Location(with Lat/Long) of LACFCD Catch Basins - Will need to Geocode.	City of Culver City
33	Groundwater (Levels, Contamination)	GIS	Horizontal and vertical information	https://ca.water.usgs.gov/sustainable-groundwater-management/sustainable-groundwater-data.html
57	Disadvantaged Communities Map			https://oehha.ca.gov/calenviroscreen/sb535
59	Residential Parkway Guidelines			<https://www.culvercity.org/home/showdocument?id=3573> (Download Parkway Permit Application<https://www.culvercity.org/home/showdocument?id=9290>)
58	Interim Wireless Facilities Design and Installation Standards			<https://www.culvercity.org/home/showdocument?id=16163>
60	Urban Forest Master Plan			<https://www.culvercity.org/home/showdocument?id=10975>
61	2016-2017 Capital Improvement Program Projects Map			<https://www.culvercity.org/home/showdocument?id=9529>
62	2017-2018 Capital Improvement Program Projects Map			https://www.culvercity.org/home/showdocument?id=9547
63	Transit Oriented Development Visioning Plan:			https://www.culvercity.org/how-do-i/learn/transit-oriented-development-visioning-plan
64	Property Information Search	Interactive Map		https://www.culvercity.org/live/community-neighborhood/city-maps-gis-program
65	Sewer Infrastructure Management System (SIMS)	Interactive Map		https://www.culvercity.org/live/community-neighborhood/city-maps-gis-program
66	Bicycle & Pedi Action Plan	City Projects		https://www.culvercity.org/city-hall/city-maps/city-projects
67	Economic Development Projects	City Projects		https://www.culvercity.org/city-hall/city-maps/city-projects
68	Safe Routes to School Project	City Projects		https://www.culvercity.org/city-hall/city-maps/city-projects
69	Bike Share	City Projects		https://www.culvercity.org/city-hall/city-maps/city-projects
70	Planning Projects	City Projects		https://www.culvercity.org/city-hall/city-maps/city-projects

71	General Plan Update	City Projects		https://www.culvercity.org/city-hall/city-maps/city-projects - Staff: Ashley Hefner: Ashley.Hefner@culvercity.org<mailto:Ashley.Hefner@culvercity.org>
73	Ballona Creek Revitalization Project	City Projects		https://www.culvercity.org/city-hall/city-maps/city-projects (Contacts (Civic Spark Fellows): Morgan Kaplan morgan.kaplan@culvercity.org<mailto:morgan.kaplan@culvercity.org> | 310-253-5768) https://www.culvercity.org/city-hall/city-government/city-projects/ballona-creek-revitalization-project
74	Alquist-Priolo Fault Zones Map		CGS Alquist Priolo - fault data	Map Catalog: https://www.culvercity.org/enjoy/maps - https://maps.conservation.ca.gov/cgs/#datalist
72	Sewer Main Rehabilitation	City Projects		https://www.culvercity.org/city-hall/city-maps/city-projects
76	Very High Fire Hazard Zones			Map Catalog: https://www.culvercity.org/enjoy/maps - https://egis3.lacounty.gov/dataportal/2018/09/12/fire-hazard-severity-zones-local-responsibility-area-lra/
77	Liquefaction/Landslide Map	Shapefile	CGS Liquefaction and Landslide	Map Catalog: https://www.culvercity.org/enjoy/maps - https://maps.conservation.ca.gov/cgs/#datalist
78	Natural Hazardous Map			Map Catalog: https://www.culvercity.org/enjoy/maps
79	Neighborhood Zone Map			Map Catalog: https://www.culvercity.org/enjoy/maps
80	Redevelopment Project Areas			Map Catalog: https://www.culvercity.org/enjoy/maps
81	Redevelopment Agency Managed Properties			Map Catalog: https://www.culvercity.org/enjoy/maps
82	Fiber Optic			Map Catalog: https://www.culvercity.org/enjoy/maps
83	Traffic Volumes			Map Catalog: https://www.culvercity.org/enjoy/maps
84	Neighborhood Associations: Blair Hills Association			<http://www.blairhills.org/>
85	Neighborhood Associations: Culver Crest Neighborhood Association			<https://culvercrestna.org/>
86	Neighborhood Associations: Fox Hills Neighborhood Association			<http://fhnacc.org/>
87	Neighborhood Associations: Rancho Higuera Neighborhood Association			<https://www.facebook.com/groups/RanchoHiguera>
88	Neighborhood Associations: Sunkist Park Neighborhood Association			<http://www.sunkistpark.org/>
89	Robertson Boulevard		Future list of streets that will be repaved:	City
90	Jefferson Boulevard (Overland Avenue to Easterly City limits)		Future list of streets that will be repaved:	City
91	Jefferson Boulevard (Sepulveda Bl. to Westerly City limits)		Future list of streets that will be repaved:	City
92	Washington Boulevard (Elenda Street to Overland Avenue)		Future list of streets that will be repaved:	City
93	Bristol Parkway (Centinela Avenue to Hannum Avenue)		Future list of streets that will be repaved:	City
94	Centinela Avenue (Sepulveda Bl. to Mesmer Avenue)		Future list of streets that will be repaved:	City
95	Washington Boulevard (Ince Boulevard to Fairfax Avenue)		Future list of streets that will be repaved:	City
96	City Boundary	GIS files		City
97	EOP Outline	GIS files	Edge of Pavement Outlines	City
98	EOP Culver City	GIS files	Edge of Pavement Outlines - Culver City	City
99	City Facility	GIS files		City
100	Hospital	GIS files		City
101	Shopping center	GIS files		City
102	Cemetery	GIS files		City
103	Library	GIS files		City
104	Water Body	GIS files		City

105	RedevAgreements	GIS files		City
106	Redev Component Areas	GIS files		City
107	Occupants / Addresses (52)	GIS files		City
108	Businesses (53)	GIS files		City
109	Centerline (54)	GIS files		City
110	Blocks_EOP Fill (55)	GIS files	Edge of Pavement Polygons	City
111	LARIAC Data Access	LAS (Lidar Files)	LAS point files	
112	LARIAC Data Access	LARIAC4_SLDS.gdb	1ft Contours, DEM, DEM_Hillshade, DSM, DSM_Hillshade, HeightAbove Ground, Intensity, Slope Degree, Slope_Percent Rise, Breaklines (ArtifiicialPathCenterline, Boundary, Breaklines, Coastal, Connectors, Culverts, LakesandPonds, StreamCenterlines, Voids_firstReturns, Voids_Ground, WideRivers	
113	LARIAC Data Access	Metadata	Metadata XML files	

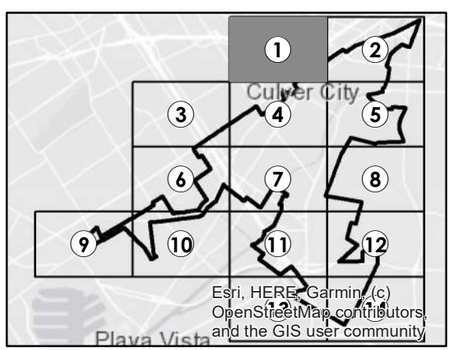
Appendix B – Project Location Maps

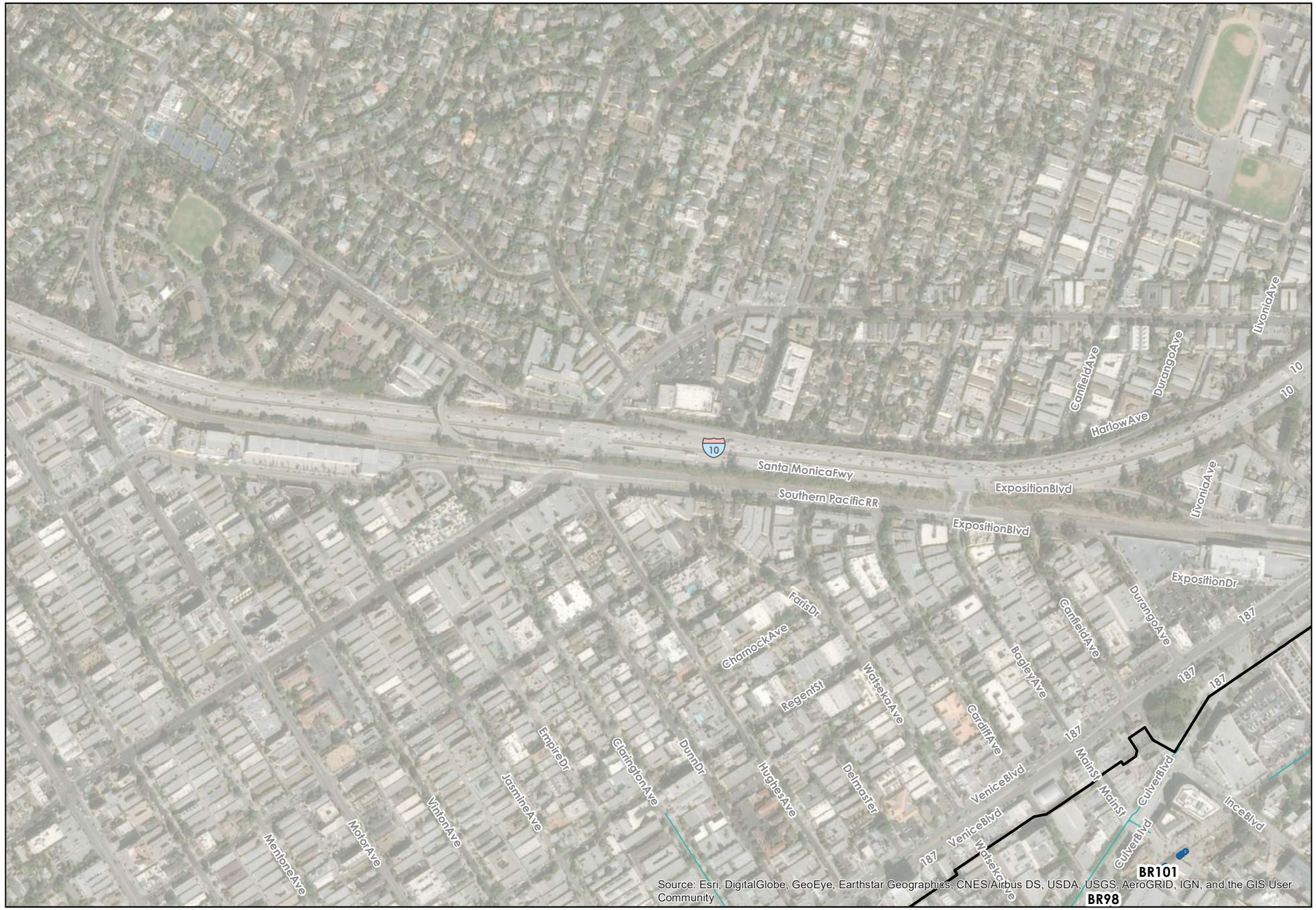
LEGEND

- DRY WELL BMP
- BIOFILTRATION BMP
- BIORETENTION BMP
- REGIONAL BMP
- CULVER CITY BOUNDARY
- STORMDRAIN
- RECEIVING WATER

500 250 0 Feet

INDEX MAP





BLUE OCEAN CIVIL CONSULTING

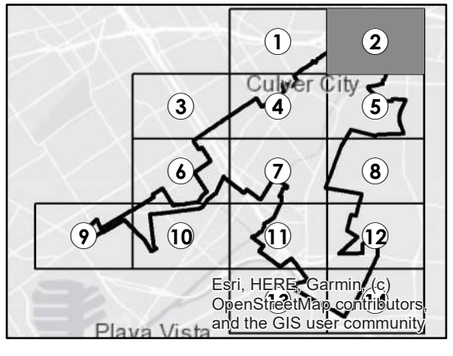
CULVER CITY STORMWATER QUALITY MASTER PLAN
BMP LOCATION MAP
SHEET 1 OF 14

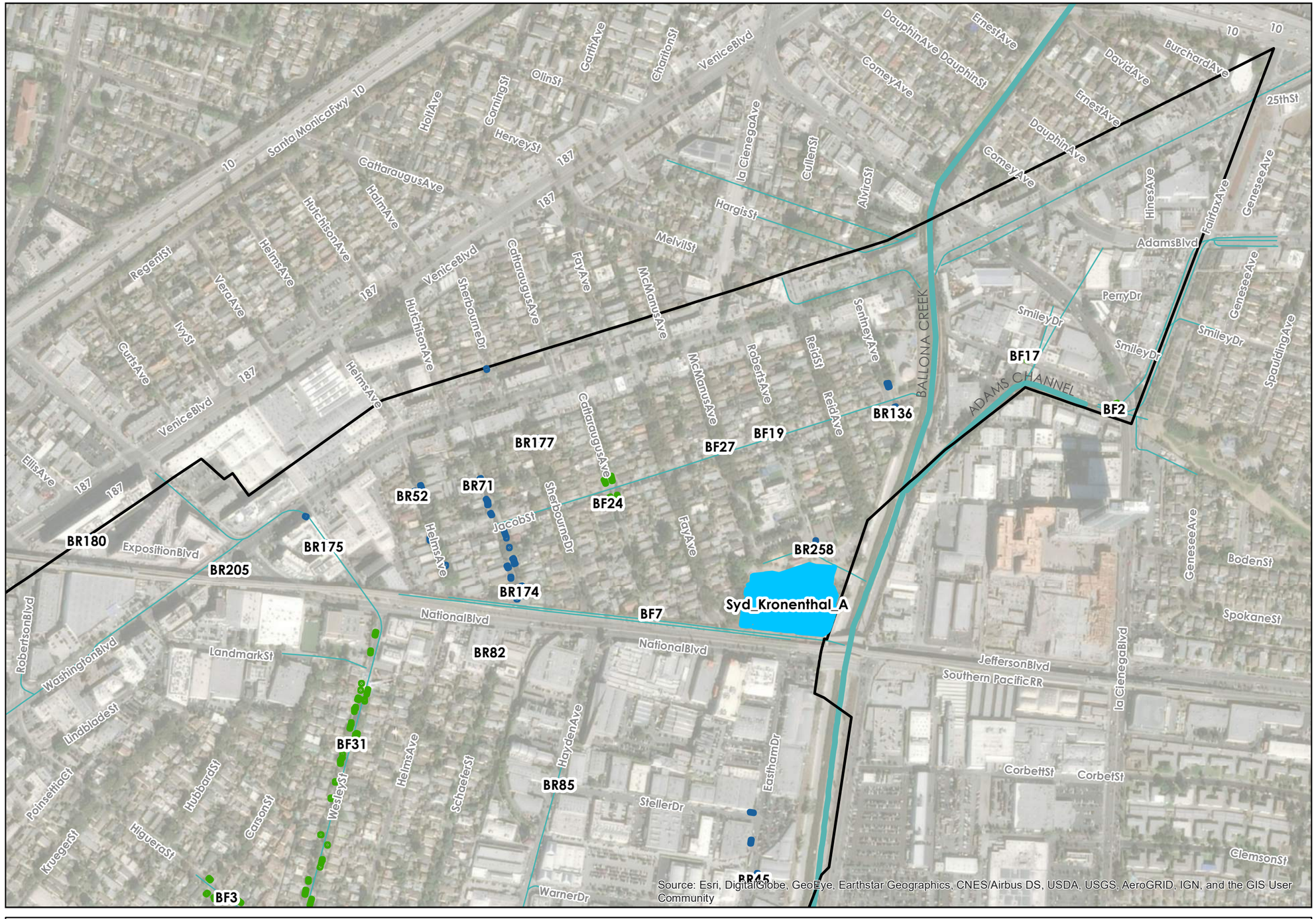
LEGEND

- DRY WELL BMP
- BIOFILTRATION BMP
- BIORETENTION BMP
- REGIONAL BMP
- CULVER CITY BOUNDARY
- STORMDRAIN
- RECEIVING WATER

500 250 0 Feet

INDEX MAP





Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

BLUE OCEAN CIVIL CONSULTING

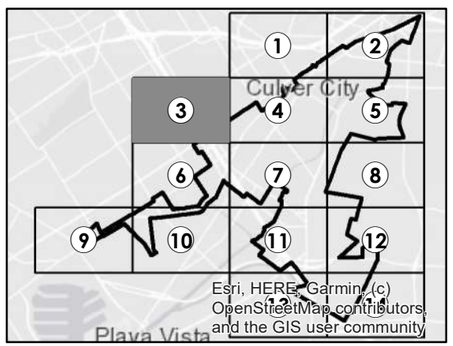
CULVER CITY STORMWATER QUALITY MASTER PLAN
BMP LOCATION MAP
SHEET 2 OF 14

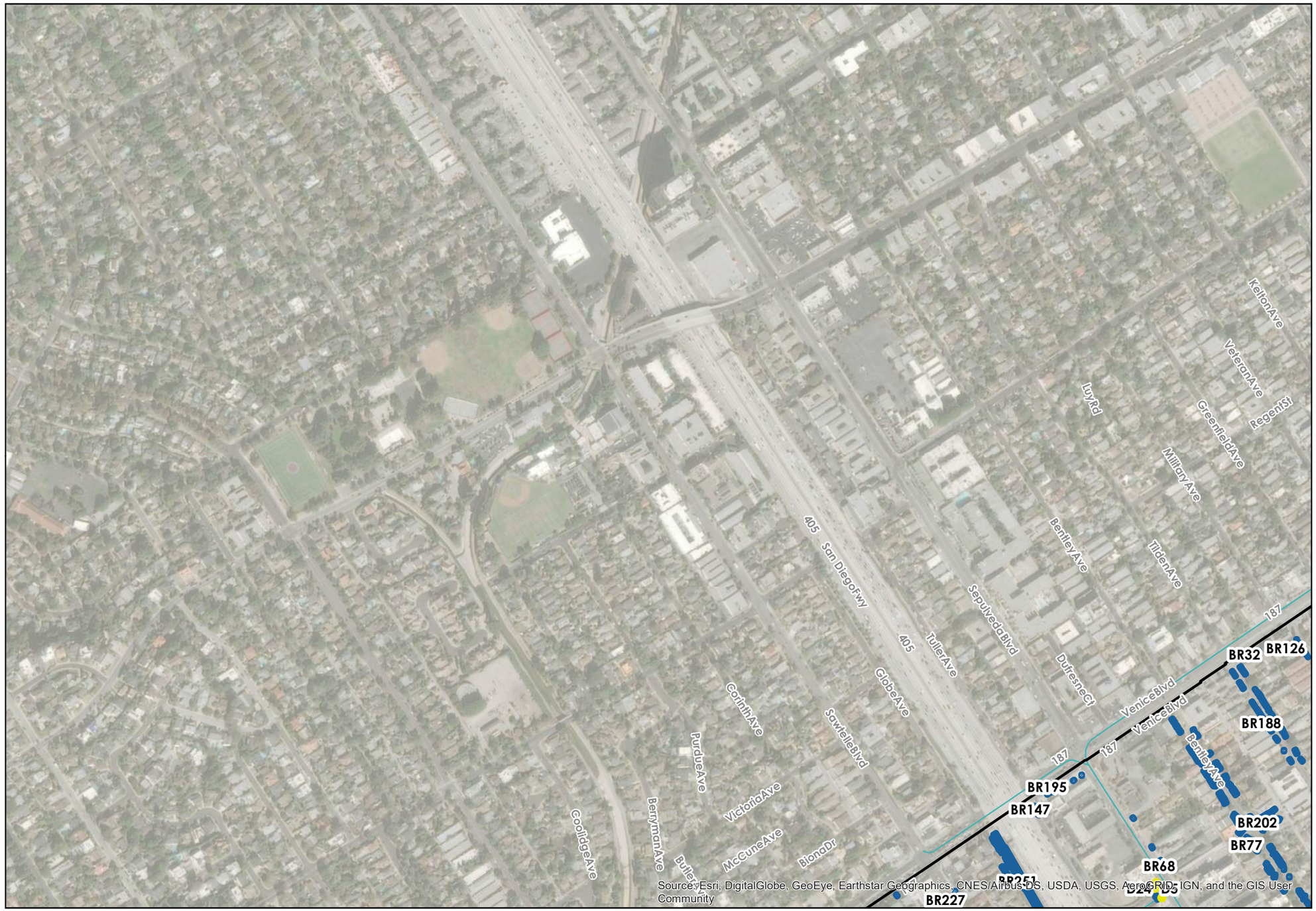
LEGEND

- DRY WELL BMP
- BIOFILTRATION BMP
- BIORETENTION BMP
- REGIONAL BMP
- CULVER CITY BOUNDARY
- STORMDRAIN
- RECEIVING WATER

500 250 0 Feet

INDEX MAP





BLUE OCEAN CIVIL CONSULTING

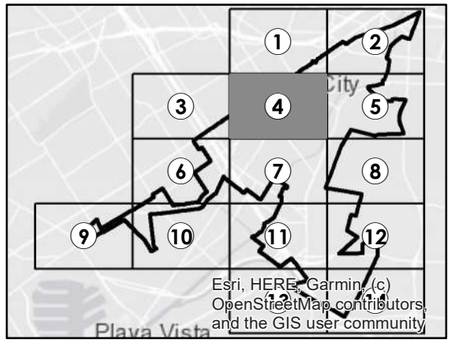
CULVER CITY STORMWATER QUALITY MASTER PLAN
BMP LOCATION MAP
SHEET 3 OF 14

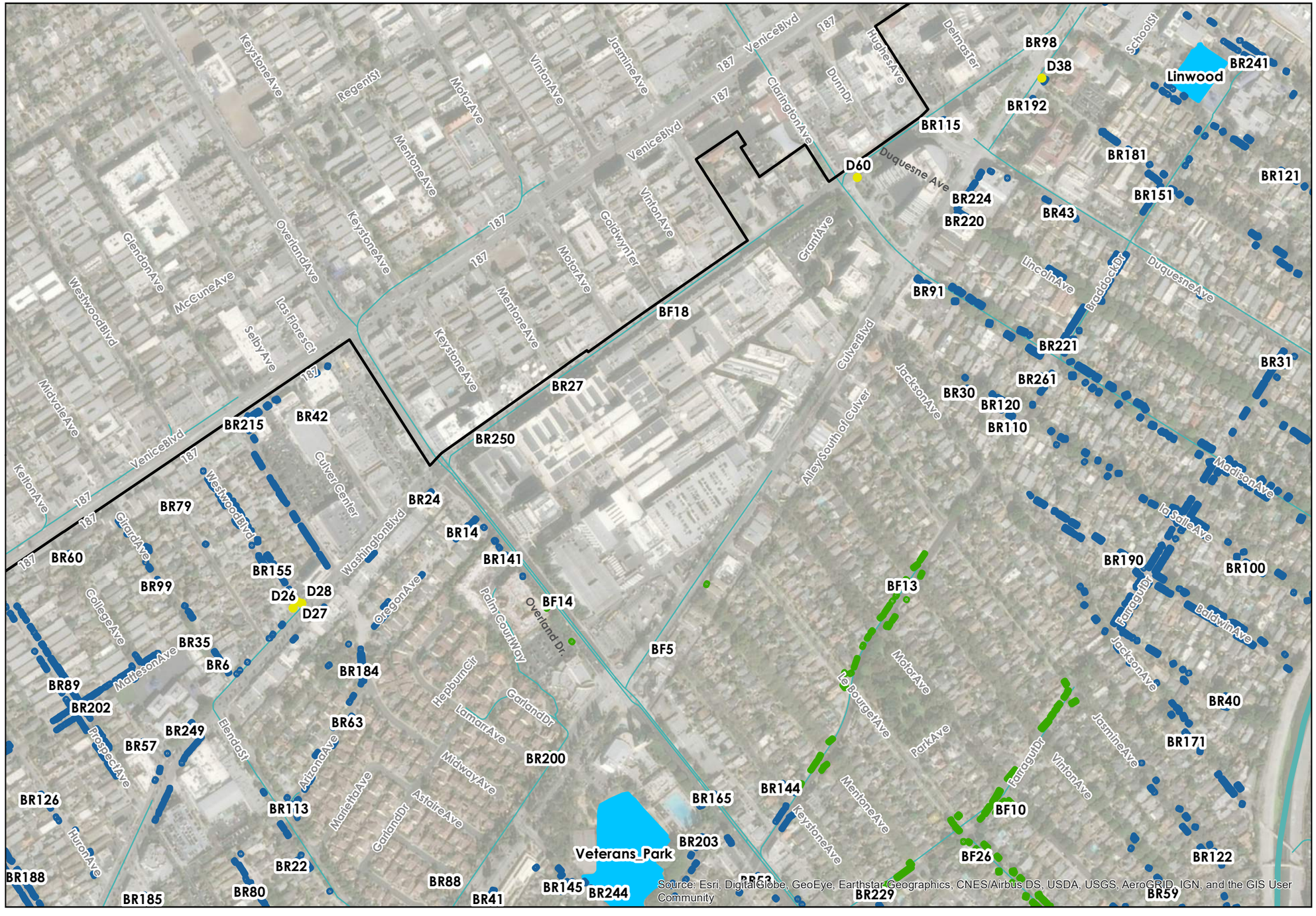
LEGEND

- DRY WELL BMP
- BIOFILTRATION BMP
- BIORETENTION BMP
- REGIONAL BMP
- CULVER CITY BOUNDARY
- STORMDRAIN
- RECEIVING WATER

500 250 0 Feet

INDEX MAP





BLUE OCEAN CIVIL CONSULTING

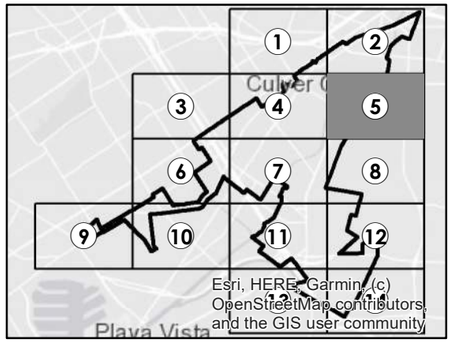
CULVER CITY STORMWATER QUALITY MASTER PLAN
BMP LOCATION MAP
SHEET 4 OF 14

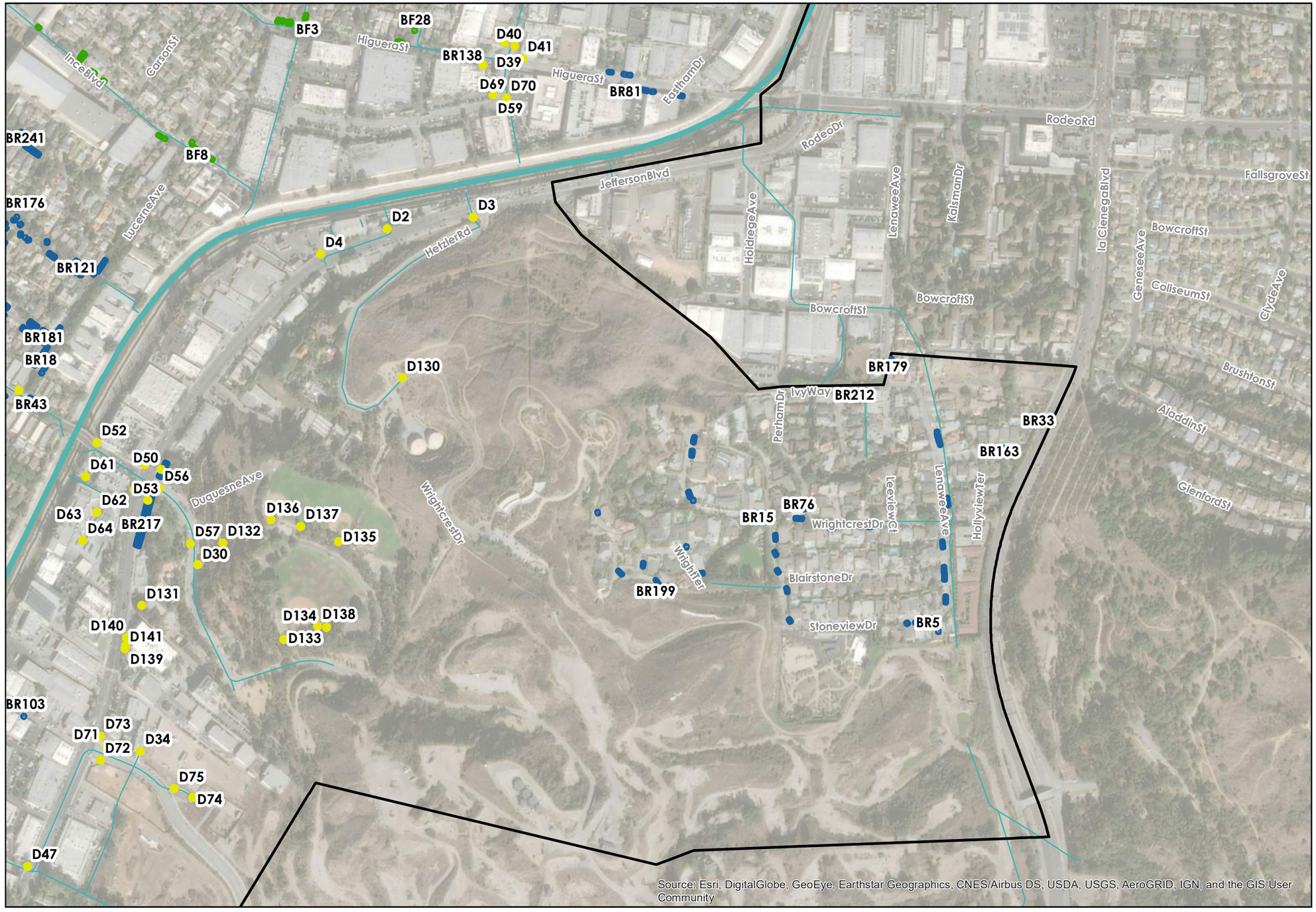
LEGEND

- DRY WELL BMP
- BIOFILTRATION BMP
- BIORETENTION BMP
- REGIONAL BMP
- CULVER CITY BOUNDARY
- STORMDRAIN
- RECEIVING WATER

500 250 0 Feet

INDEX MAP





BLUE OCEAN CIVIL CONSULTING

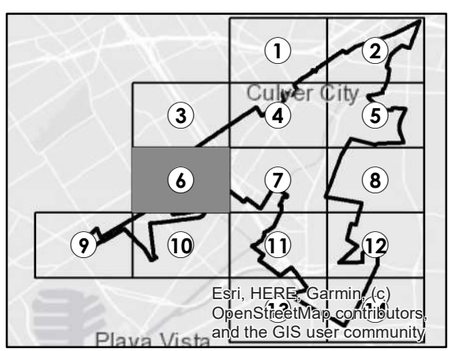
CULVER CITY STORMWATER QUALITY MASTER PLAN
BMP LOCATION MAP
SHEET 5 OF 14

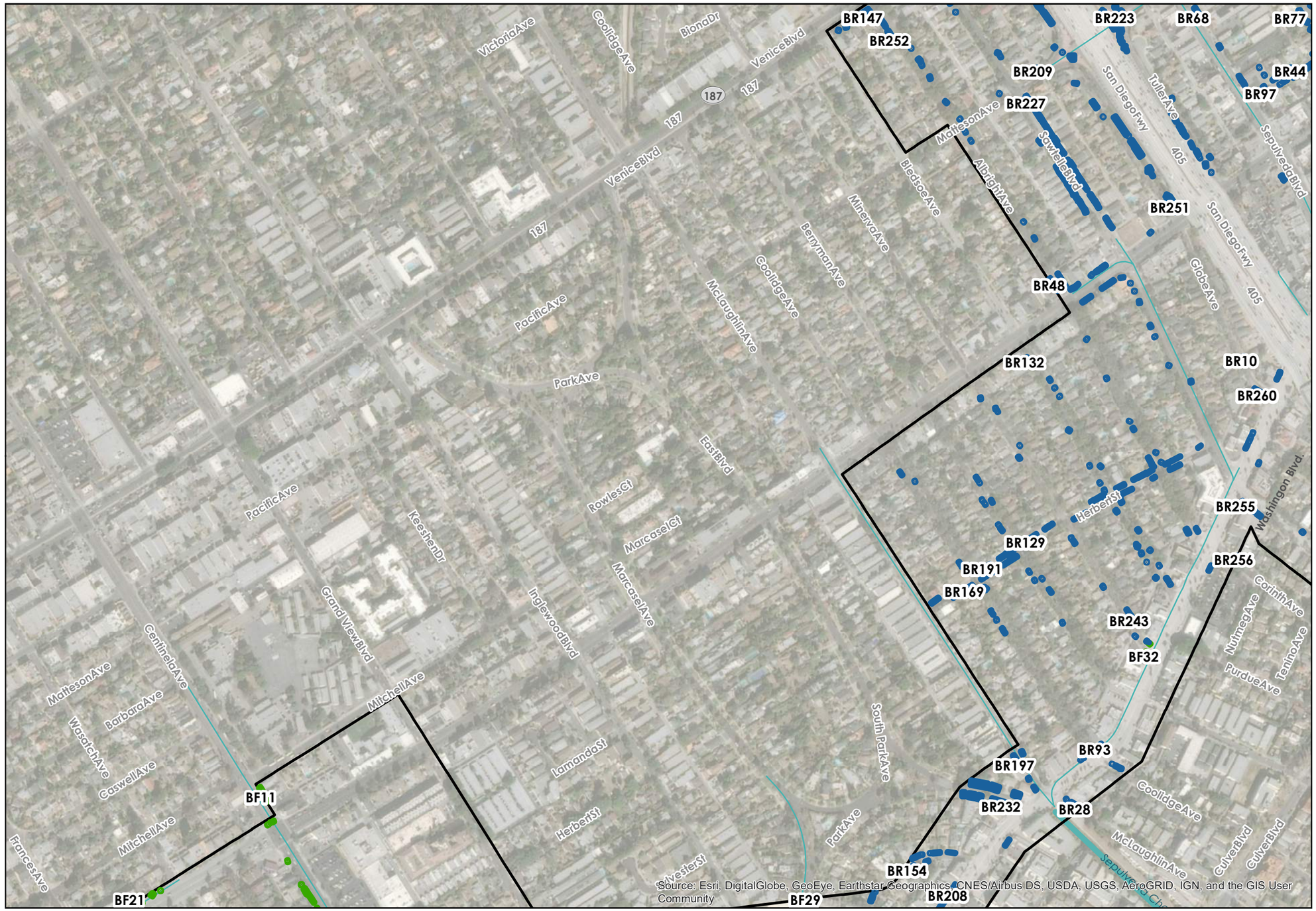
LEGEND

- DRY WELL BMP
- BIOFILTRATION BMP
- BIORETENTION BMP
- REGIONAL BMP
- CULVER CITY BOUNDARY
- STORMDRAIN
- RECEIVING WATER

500 250 0 Feet

INDEX MAP





BLUE OCEAN CIVIL CONSULTING

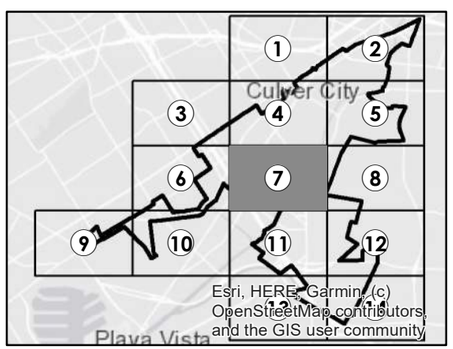
CULVER CITY STORMWATER QUALITY MASTER PLAN
BMP LOCATION MAP
SHEET 6 OF 14

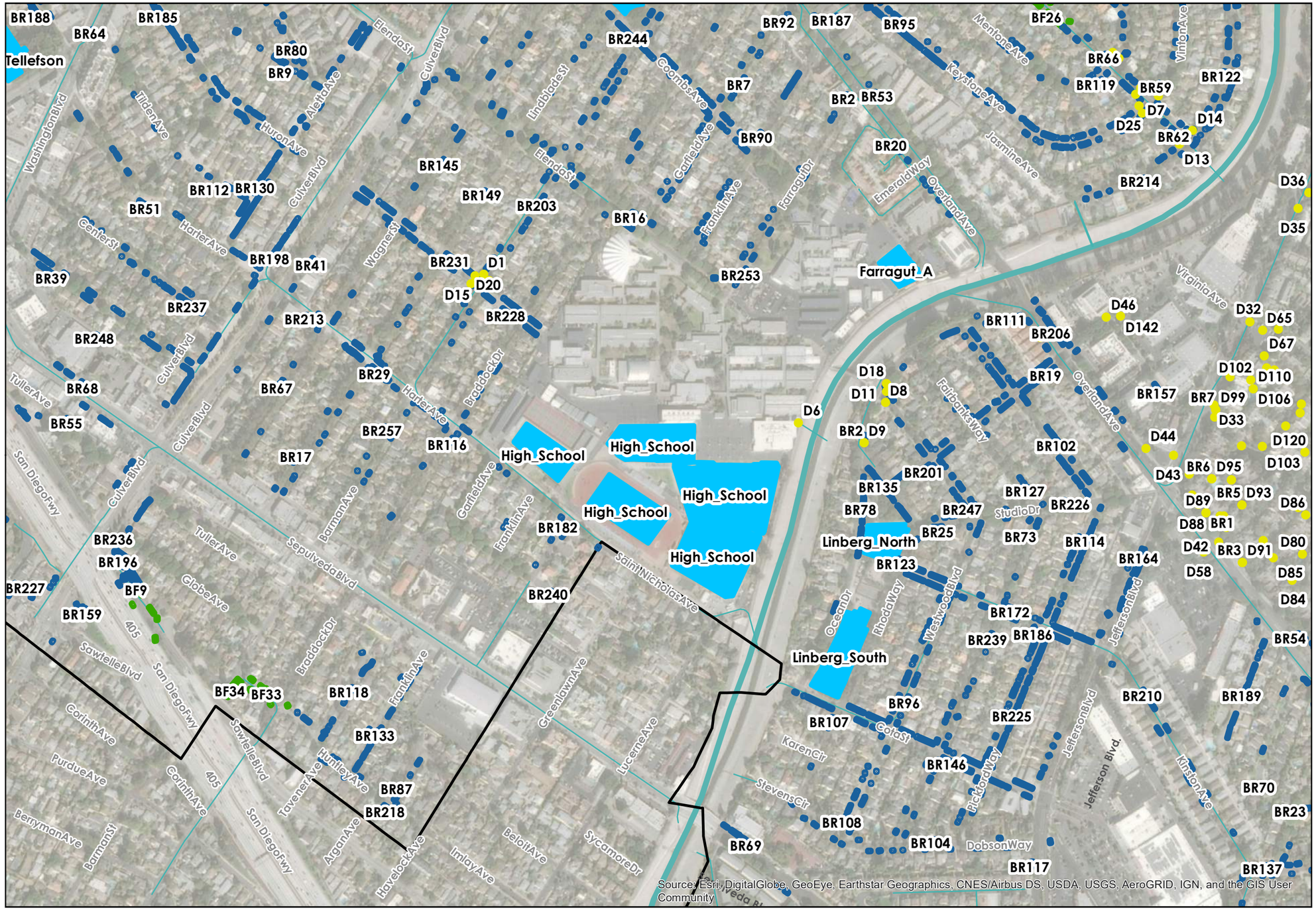
LEGEND

- DRY WELL BMP
- BIOFILTRATION BMP
- BIORETENTION BMP
- REGIONAL BMP
- CULVER CITY BOUNDARY
- STORMDRAIN
- RECEIVING WATER

500 250 0 Feet

INDEX MAP





Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

BLUE OCEAN CIVIL CONSULTING

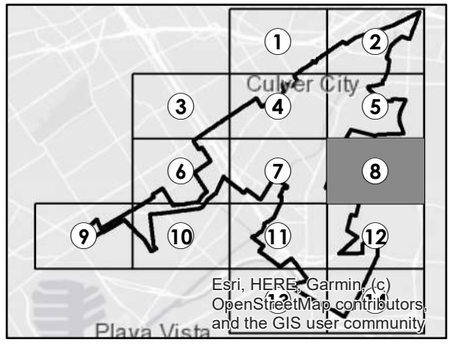
CULVER CITY STORMWATER QUALITY MASTER PLAN
BMP LOCATION MAP
SHEET 7 OF 14

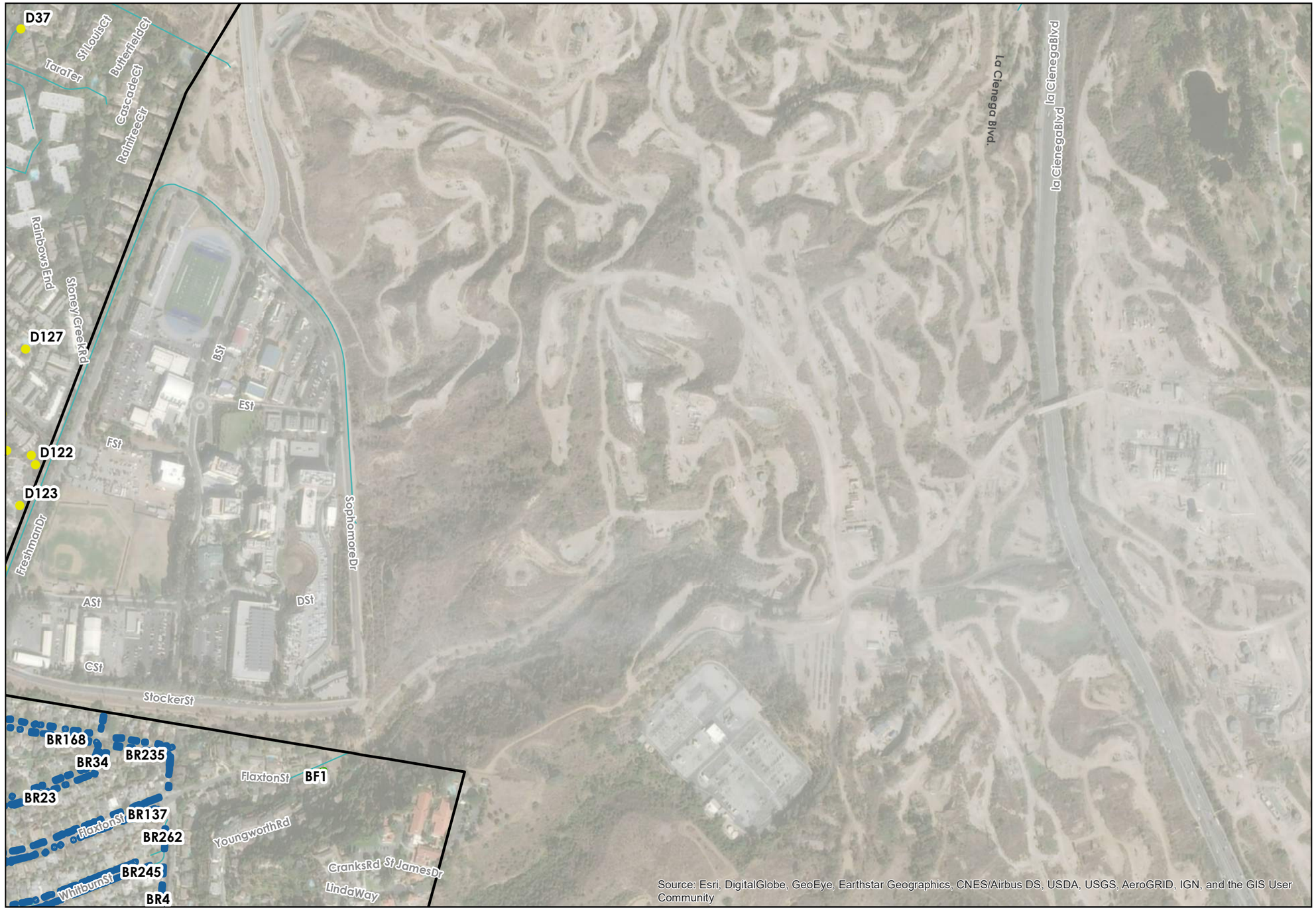
LEGEND

- DRY WELL BMP
- BIOFILTRATION BMP
- BIORETENTION BMP
- REGIONAL BMP
- CULVER CITY BOUNDARY
- STORMDRAIN
- RECEIVING WATER

500 250 0 Feet

INDEX MAP





BLUE OCEAN CIVIL CONSULTING

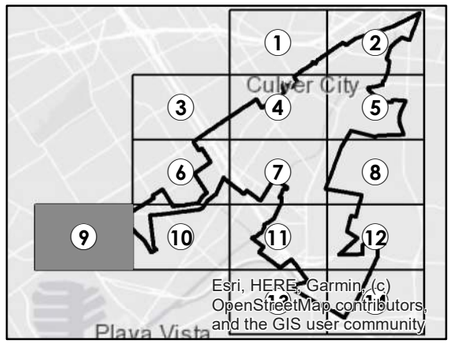
CULVER CITY STORMWATER QUALITY MASTER PLAN
BMP LOCATION MAP
SHEET 8 OF 14

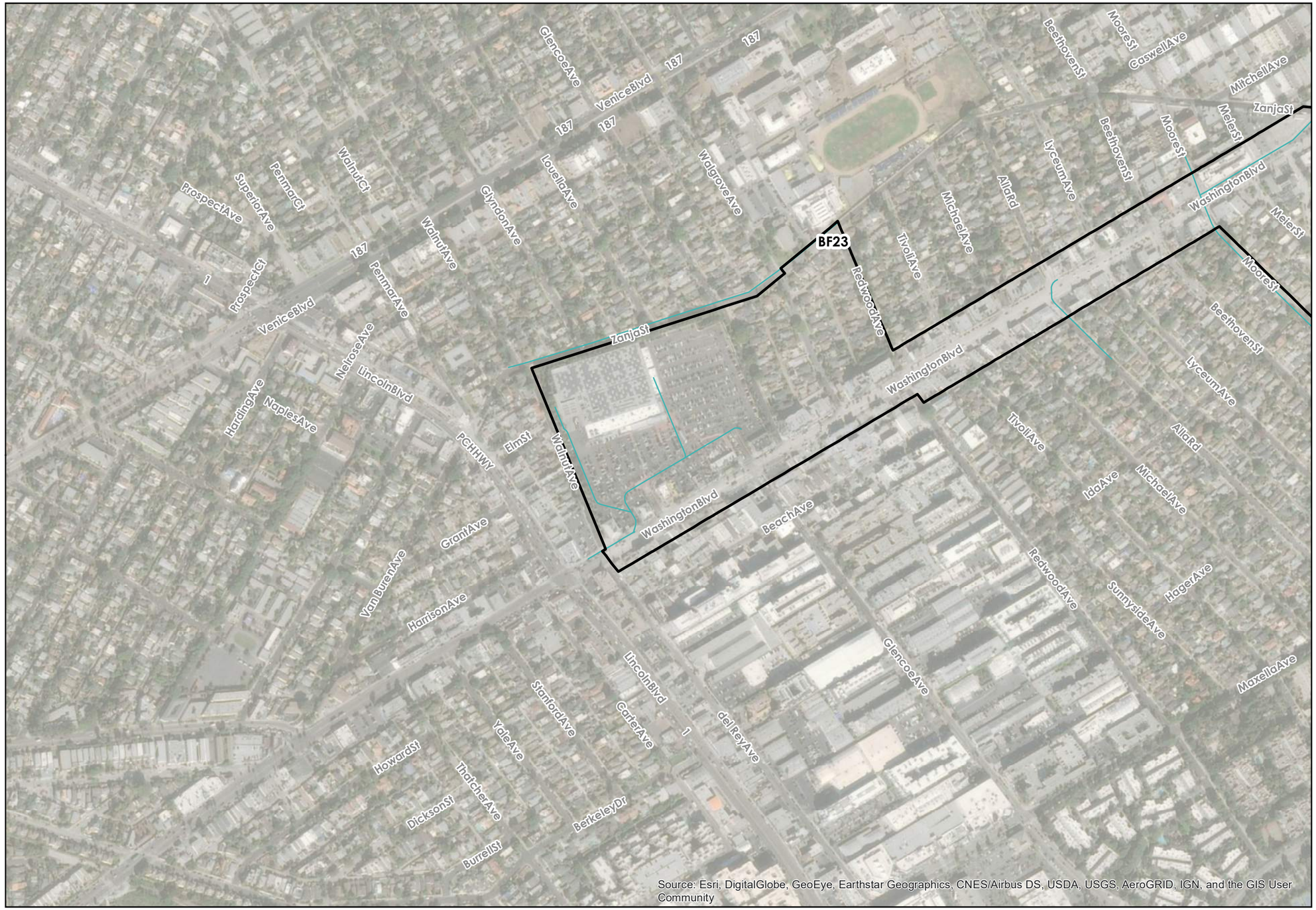
LEGEND

- DRY WELL BMP
- BIOFILTRATION BMP
- BIORETENTION BMP
- REGIONAL BMP
- CULVER CITY BOUNDARY
- STORMDRAIN
- RECEIVING WATER

500 250 0 Feet

INDEX MAP





BLUE OCEAN CIVIL CONSULTING

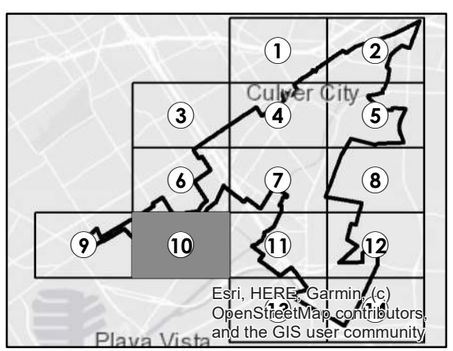
CULVER CITY STORMWATER QUALITY MASTER PLAN
BMP LOCATION MAP
SHEET 9 OF 14

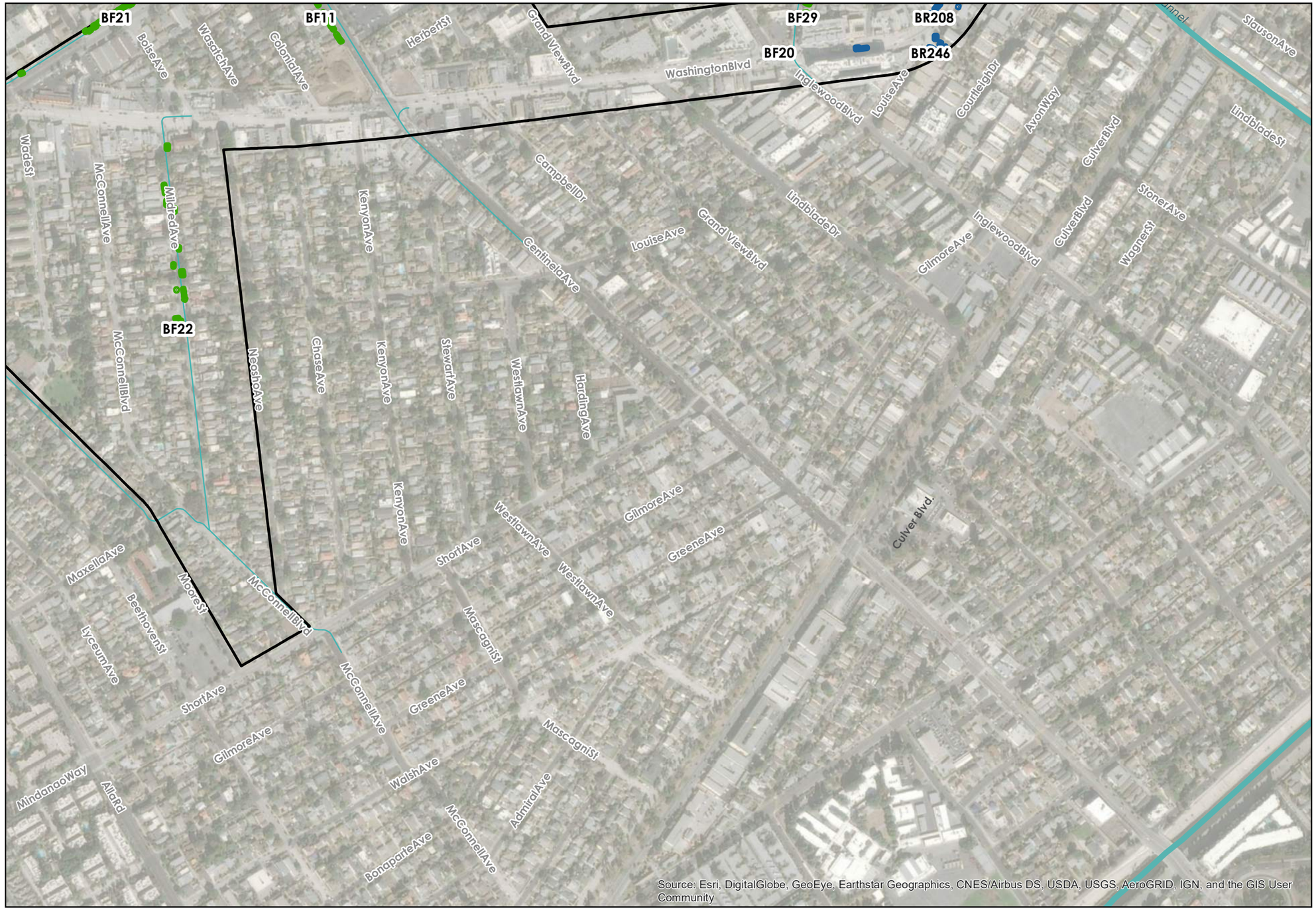
LEGEND

- DRY WELL BMP
- BIOFILTRATION BMP
- BIORETENTION BMP
- REGIONAL BMP
- CULVER CITY BOUNDARY
- STORMDRAIN
- RECEIVING WATER

500 250 0 Feet

INDEX MAP





BLUE OCEAN CIVIL CONSULTING

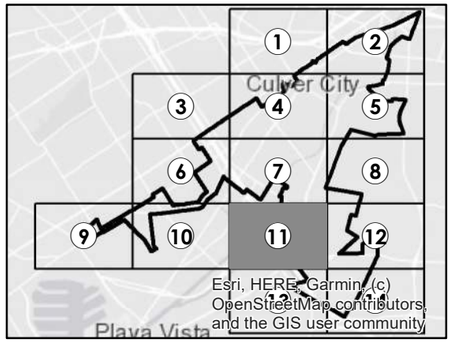
CULVER CITY STORMWATER QUALITY MASTER PLAN
BMP LOCATION MAP
SHEET 10 OF 14

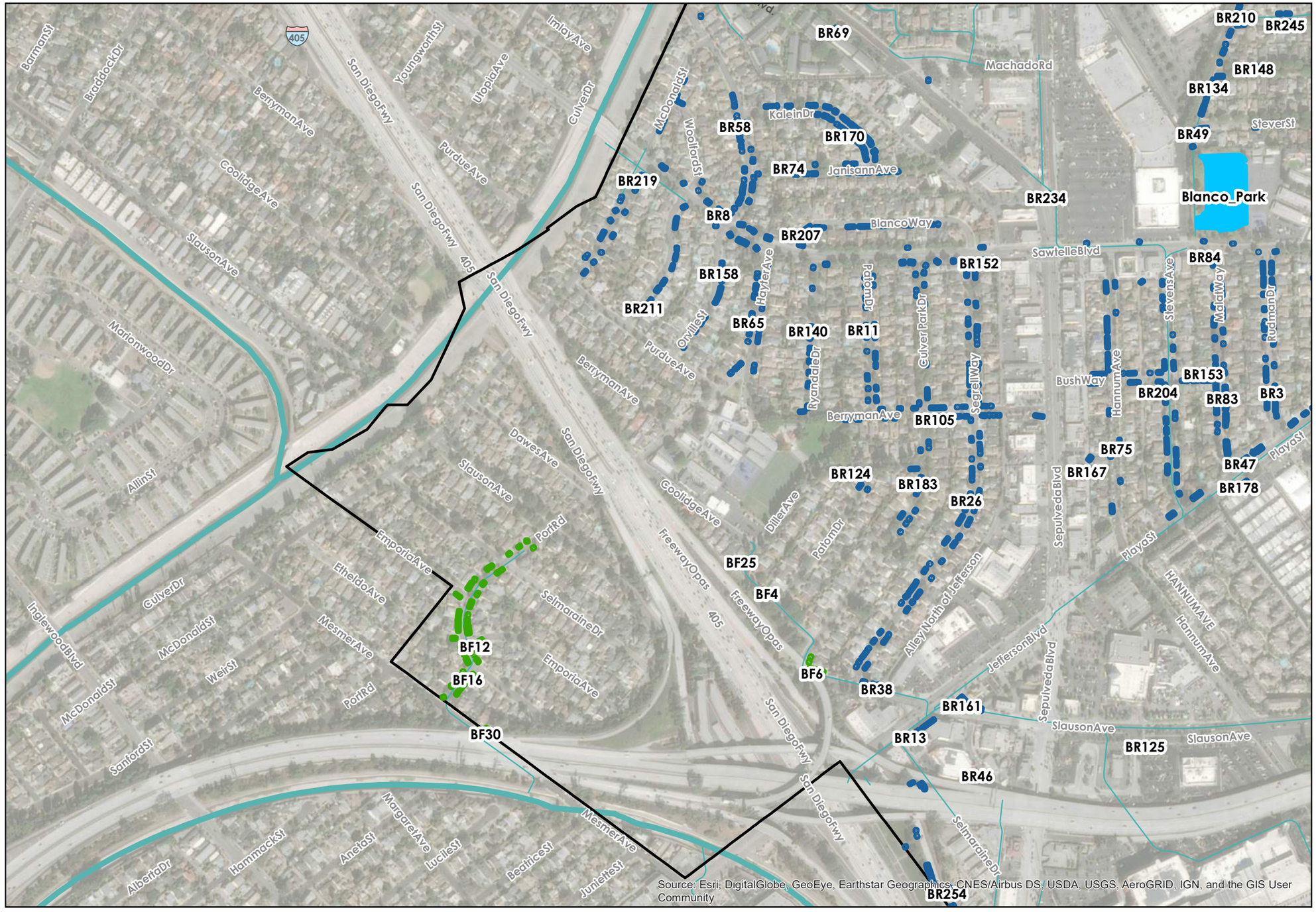
LEGEND

- DRY WELL BMP
- BIOFILTRATION BMP
- BIORETENTION BMP
- REGIONAL BMP
- CULVER CITY BOUNDARY
- STORMDRAIN
- RECEIVING WATER

500 250 0 Feet

INDEX MAP





BLUE OCEAN CIVIL CONSULTING

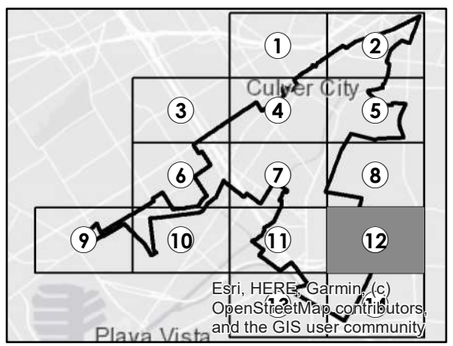
CULVER CITY STORMWATER QUALITY MASTER PLAN
BMP LOCATION MAP
SHEET 11 OF 14

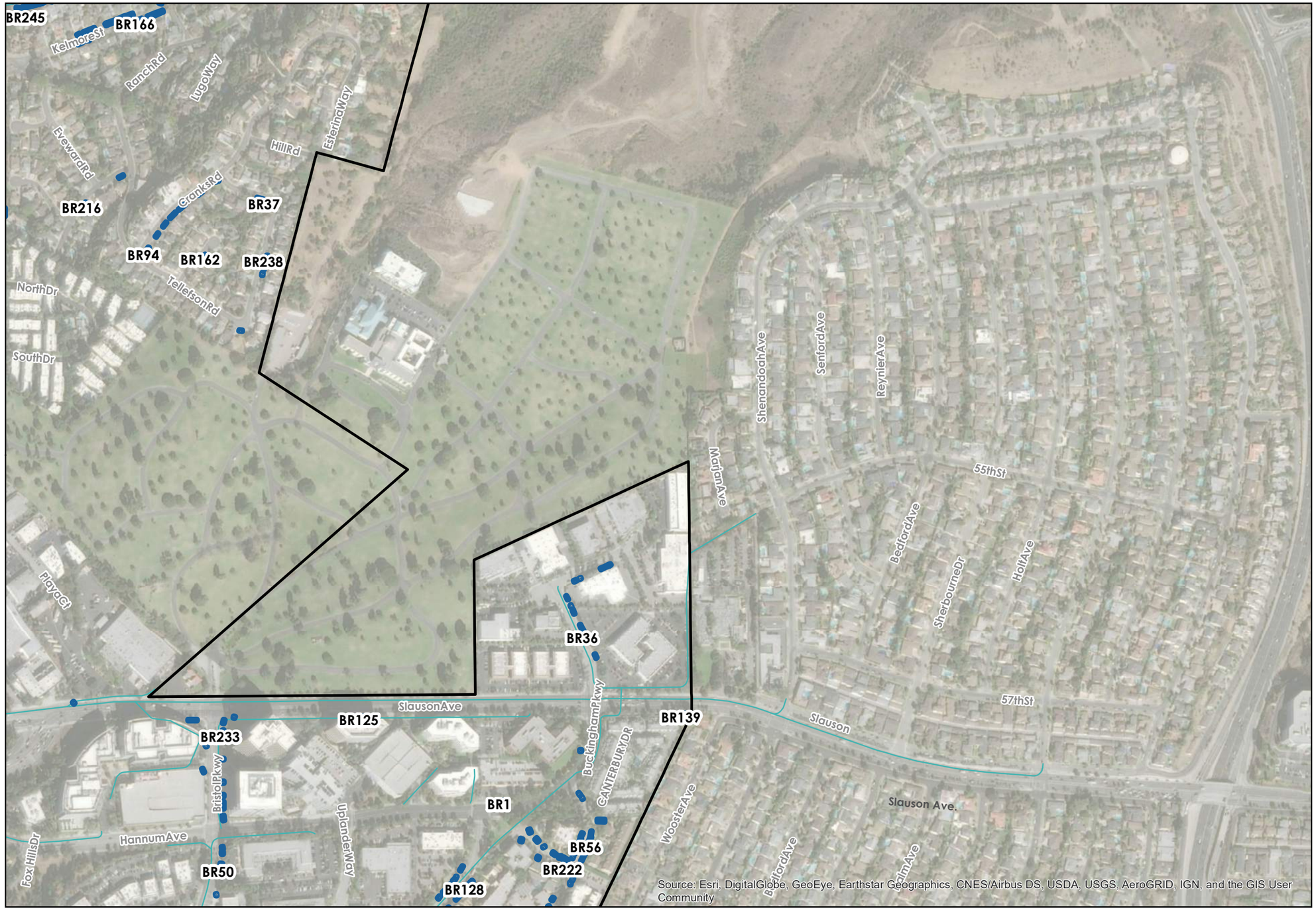
LEGEND

- DRY WELL BMP
- BIOFILTRATION BMP
- BIORETENTION BMP
- REGIONAL BMP
- CULVER CITY BOUNDARY
- STORMDRAIN
- RECEIVING WATER

500 250 0 Feet

INDEX MAP





BLUE OCEAN CIVIL CONSULTING

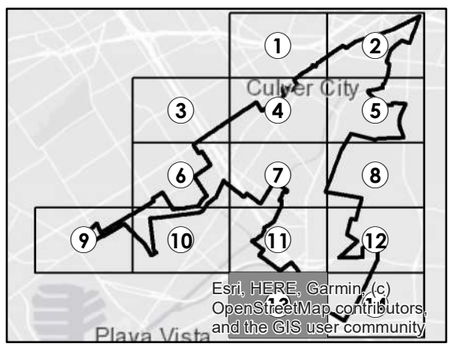
CULVER CITY STORMWATER QUALITY MASTER PLAN
BMP LOCATION MAP
SHEET 12 OF 14

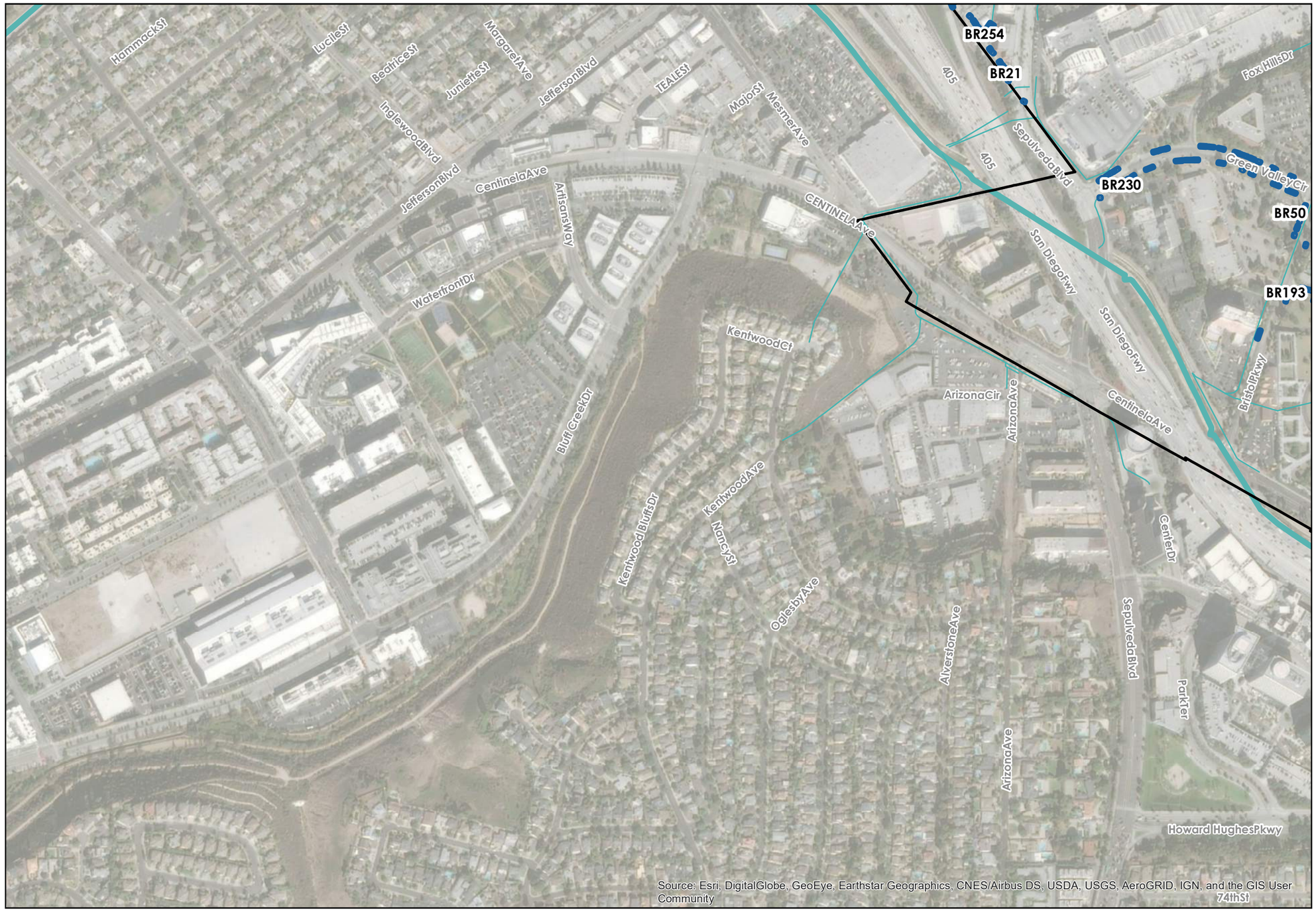
LEGEND

- DRY WELL BMP
- BIOFILTRATION BMP
- BIORETENTION BMP
- REGIONAL BMP
- CULVER CITY BOUNDARY
- STORMDRAIN
- RECEIVING WATER

500 250 0 Feet

INDEX MAP





BLUE OCEAN CIVIL CONSULTING

CULVER CITY STORMWATER QUALITY MASTER PLAN
BMP LOCATION MAP
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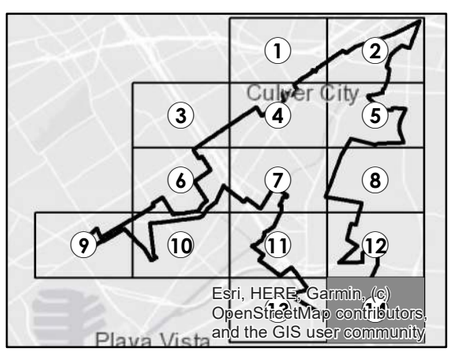

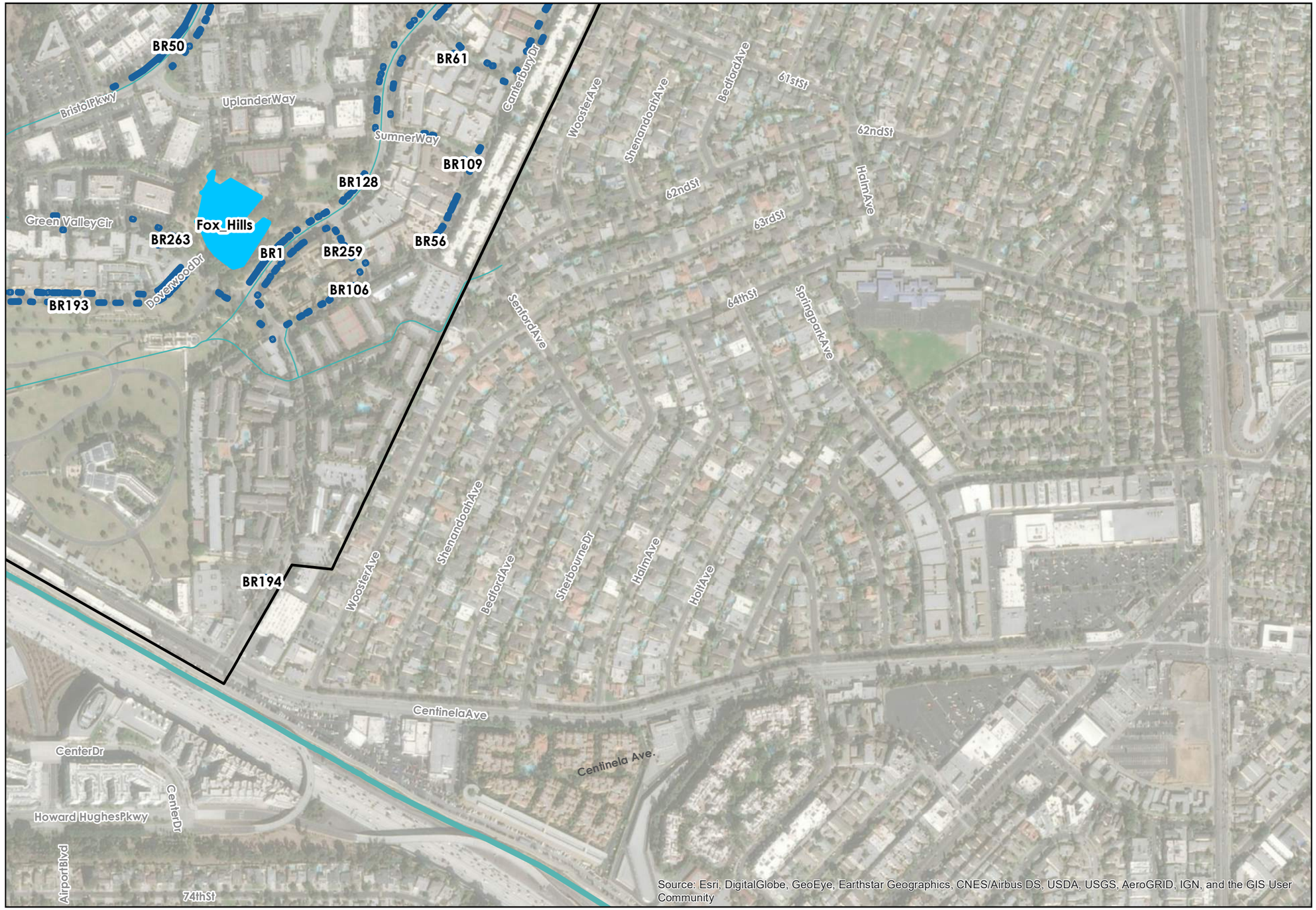

BLUE OCEAN CIVIL CONSULTING

CULVER CITY STORMWATER QUALITY MASTER PLAN
BMP LOCATION MAP
SHEET 14 OF 14

Appendix C –Project Scenarios

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V
1	SCENARIO 1 - RANK BY COST EFFECTIVENESS																	Annual Budget =			$2,740,000
2	Rank by Cost Effectiveness	SITE ID	Name	Type	Drainage Area (acres)	% Imp	Storage Capacity (ac-ft)	EWMP Equiv. Volume (ac-ft)	Cost Est. (EWMP Eqs)	Cost Estimate (Regression)	Selected Cost (Min $15,000)	Normalized Suitability Score	Normalized Multi-Benefit Score	Normalized EWMP Volume Score	Final Score (out of 15)	Score Percentile	Score Bracket	Cost Effectiveness ($/EWMP Vol)	Fiscal Year	Fiscal Year	Annual Remainder
3	1	D49	O_49	Dry Well	2.92	94%	0.227	0.261	$100,000	$384,199	$100,000	3.4	1.88	3	8.28	94%	High	$382,808	21	FY20-21	$2,640,000
4	2	D6	O_6	Dry Well	1.36	89%	0.101	0.116	$50,000	$192,100	$50,000	3	1.88	2	6.88	83%	High	$432,697	21	FY20-21	$2,590,000
5	3	D26	O_26	Dry Well	1.87	64%	0.106	0.115	$50,000	$192,100	$50,000	3.6	2.13	2	7.73	90%	High	$433,138	21	FY20-21	$2,540,000
6	4	D41	O_41	Dry Well	2.36	92%	0.180	0.228	$100,000	$384,199	$100,000	4.2	1.88	3	9.08	96%	High	$438,740	21	FY20-21	$2,440,000
7	5	D39	O_39	Dry Well	2.29	94%	0.178	0.225	$100,000	$384,199	$100,000	4.2	1.88	3	9.08	96%	High	$443,537	21	FY20-21	$2,340,000
8	6	D4	O_4	Dry Well	2.37	98%	0.191	0.221	$100,000	$384,199	$100,000	3.4	1.75	3	8.15	93%	High	$453,026	21	FY20-21	$2,240,000
9	7	D38	O_38	Dry Well	2.32	81%	0.159	0.204	$100,000	$384,199	$100,000	4.2	2.38	3	9.58	97%	High	$491,037	21	FY20-21	$2,140,000
10	8	D46	O_46	Dry Well	2.68	77%	0.177	0.197	$100,000	$384,199	$100,000	3.6	1.75	2	7.35	87%	High	$508,198	21	FY20-21	$2,040,000
11	9	D5	O_5	Dry Well	2.35	88%	0.173	0.196	$100,000	$384,199	$100,000	4.2	2.25	2	8.45	95%	High	$509,690	21	FY20-21	$1,940,000
12	10	D35	O_35	Dry Well	2.82	71%	0.174	0.191	$100,000	$384,199	$100,000	3.6	1.75	2	7.35	87%	High	$522,437	21	FY20-21	$1,840,000
13	11	D45	O_45	Dry Well	1.38	72%	0.086	0.095	$50,000	$192,100	$50,000	3.8	1.63	1	6.43	76%	Medium	$525,041	21	FY20-21	$1,790,000
14	12	D28	O_28	Dry Well	11.98	90%	0.898	1.030	$550,000	$2,113,096	$550,000	4.6	2.25	4	10.85	99%	High	$533,869	21	FY20-21	$1,240,000
15	13	D11	O_11	Dry Well	1.79	54%	0.090	0.093	$50,000	$192,100	$50,000	3.4	1.63	1	6.03	69%	Medium	$535,013	21	FY20-21	$1,190,000
16	14	BR217		Bioretention	1.83	95%	0.151	0.159	$89,665	$417,042	$89,665	3	2.13	2	7.13	85%	High	$565,494	21	FY20-21	$1,100,335
17	15	D47	O_47	Dry Well	2.15	86%	0.155	0.176	$100,000	$384,199	$100,000	3.8	1.88	2	7.68	90%	High	$566,745	21	FY20-21	$1,000,335
18	16	D37	O_37	Dry Well	1.87	47%	0.084	0.087	$50,000	$192,100	$50,000	2.2	1.38	1	4.58	25%	Low	$575,911	21	FY20-21	$950,335
19	17	BR136		Bioretention	0.31	95%	0.026	0.027	$15,348	$71,386	$15,348	3	3.13	0	6.13	70%	Medium	$576,178	21	FY20-21	$934,987
20	18	D64	O_64	Dry Well	1.02	87%	0.075	0.085	$50,000	$192,100	$50,000	3.2	2.25	1	6.45	77%	Medium	$589,051	21	FY20-21	$884,987
21	19	D51	O_51	Dry Well	1.13	77%	0.075	0.083	$50,000	$192,100	$50,000	3.4	2.13	1	6.53	78%	Medium	$601,112	21	FY20-21	$834,987
22	20	D126	O_126	Dry Well	1.64	52%	0.080	0.083	$50,000	$192,100	$50,000	3.4	1.38	1	5.78	63%	Medium	$604,221	21	FY20-21	$784,987
23	21	D75	O_75	Dry Well	3.64	1%	0.048	0.247	$150,000	$576,299	$150,000	2.4	1.25	3	6.65	80%	Medium	$606,089	21	FY20-21	$634,987
24	22	BR15		Bioretention	0.47	95%	0.038	0.037	$22,841	$106,236	$22,841	2.2	1.88	0	4.08	13%	Low	$611,715	21	FY20-21	$612,146
25	23	BR199		Bioretention	0.49	95%	0.040	0.039	$24,014	$111,692	$24,014	2.2	1.88	0	4.08	13%	Low	$611,715	21	FY20-21	$588,132
26	24	BR50		Bioretention	2.77	95%	0.229	0.222	$135,815	$631,692	$135,815	2.2	1.88	3	7.08	85%	High	$611,715	21	FY20-21	$452,318
27	25	BR230		Bioretention	1.07	95%	0.089	0.086	$52,604	$244,666	$52,604	2.2	2.13	1	5.33	48%	Low	$611,715	21	FY20-21	$399,714
28	26	BR179		Bioretention	0.64	95%	0.053	0.051	$31,203	$145,127	$31,203	2.4	1.25	1	4.65	28%	Low	$611,715	21	FY20-21	$368,512
29	27	BR161		Bioretention	0.39	95%	0.032	0.031	$18,994	$88,344	$18,994	4	2.25	0	6.25	73%	Medium	$618,058	21	FY20-21	$349,517
30	28	BR254		Bioretention	1.33	95%	0.110	0.106	$65,337	$303,889	$65,337	2.8	1.63	2	6.43	76%	Medium	$618,058	21	FY20-21	$284,181
31	29	BR13		Bioretention	0.38	95%	0.032	0.030	$18,754	$87,230	$18,754	3	2.38	0	5.38	51%	Medium	$618,058	21	FY20-21	$265,426
32	30	BR21		Bioretention	0.41	95%	0.033	0.032	$19,874	$92,436	$19,874	3.6	2.13	0	5.73	62%	Medium	$618,058	21	FY20-21	$245,553
33	31	BR5	O_93	Bioretention	0.30	95%	0.025	0.024	$14,673	$68,246	$15,000	3.2	1.88	0	5.08	42%	Low	$625,347	21	FY20-21	$230,553
34	32	D40	O_40	Dry Well	0.82	93%	0.063	0.080	$50,000	$192,100	$50,000	3.8	1.88	1	6.68	80%	Medium	$626,953	21	FY20-21	$180,553
35	33	D142	O_142	Dry Well	4.27	78%	0.285	0.318	$200,000	$768,398	$200,000	3.6	1.75	3	8.35	94%	High	$629,659	22	FY21-22	$2,720,553
36	34	BR81		Bioretention	0.28	95%	0.023	0.023	$13,512	$62,847	$15,000	4	3.25	0	7.25	86%	High	$639,618	22	FY21-22	$2,705,553
37	35	D15	O_15	Dry Well	1.63	48%	0.075	0.076	$50,000	$192,100	$50,000	2.2	1.25	1	4.45	21%	Low	$653,681	22	FY21-22	$2,655,553
38	36	D27	O_27	Dry Well	4.70	67%	0.277	0.304	$200,000	$768,398	$200,000	3.8	2.13	3	8.93	96%	High	$658,335	22	FY21-22	$2,455,553
39	37	BR140		Bioretention	0.33	95%	0.027	0.024	$16,014	$74,484	$16,014	2.8	1.5	0	4.3	19%	Low	$666,749	22	FY21-22	$2,439,538
40	38	BR11		Bioretention	0.47	95%	0.039	0.035	$23,121	$107,540	$23,121	3	0.88	0	3.88	9%	Low	$666,749	22	FY21-22	$2,416,417
41	39	BR183		Bioretention	0.53	95%	0.044	0.039	$26,206	$121,889	$26,206	3	0.88	0	3.88	9%	Low	$666,749	22	FY21-22	$2,390,211
42	40	BR49		Bioretention	0.40	95%	0.033	0.029	$19,533	$90,849	$19,533	3.4	1.13	0	4.53	24%	Low	$666,749	22	FY21-22	$2,370,678
43	41	BR72		Bioretention	0.48	95%	0.040	0.035	$23,479	$109,205	$23,479	3	1.75	0	4.75	31%	Low	$666,749	22	FY21-22	$2,347,199
44	42	BR74		Bioretention	0.79	95%	0.065	0.058	$38,624	$179,646	$38,624	2.6	1.13	1	4.73	30%	Low	$666,749	22	FY21-22	$2,308,575

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V
2	Rank by Cost Effectiveness	SITE ID	Name	Type	Drainage Area (acres)	% Imp	Storage Capacity (ac-ft)	EWMP Equiv. Volume (ac-ft)	Cost Est. (EWMP Eqs)	Cost Estimate (Regression)	Selected Cost (Min $15,000)	Normalized Suitability Score	Normalized Multi-Benefit Score	Normalized EWMP Volume Score	Final Score (out of 15)	Score Percentile	Score Bracket	Cost Effectiveness ($/EWMP Vol)	Fiscal Year	Fiscal Year	Annual Remainder
45	43	BR239		Bioretention	0.79	95%	0.065	0.058	$38,772	$180,333	$38,772	3	1.88	1	5.88	66%	Medium	$666,749	22	FY21-22	$2,269,803
46	44	BR65		Bioretention	0.88	95%	0.073	0.065	$43,253	$201,176	$43,253	3	0.88	1	4.88	34%	Low	$666,749	22	FY21-22	$2,226,550
47	45	BR105		Bioretention	0.98	95%	0.081	0.072	$48,024	$223,364	$48,024	4	1.5	1	6.5	77%	Medium	$666,749	22	FY21-22	$2,178,526
48	46	BR134		Bioretention	0.75	95%	0.062	0.055	$36,775	$171,044	$36,775	2.8	2.38	1	6.18	71%	Medium	$666,749	22	FY21-22	$2,141,752
49	47	BR75		Bioretention	0.80	95%	0.066	0.058	$38,991	$181,354	$38,991	3.6	0.88	1	5.48	54%	Medium	$666,749	22	FY21-22	$2,102,760
50	48	BR54		Bioretention	1.17	95%	0.096	0.086	$57,180	$265,951	$57,180	3.2	2.13	1	6.33	74%	Medium	$666,749	22	FY21-22	$2,045,580
51	49	BR69		Bioretention	0.66	95%	0.055	0.049	$32,591	$151,587	$32,591	2.4	2.5	0	4.9	36%	Low	$666,749	22	FY21-22	$2,012,989
52	50	BR166		Bioretention	1.58	95%	0.131	0.116	$77,579	$360,829	$77,579	1.6	1.75	2	5.35	49%	Low	$666,749	22	FY21-22	$1,935,410
53	51	BR164		Bioretention	1.32	95%	0.109	0.097	$64,673	$300,803	$64,673	3	2.13	1	6.13	70%	Medium	$666,749	22	FY21-22	$1,870,737
54	52	BR207		Bioretention	0.96	95%	0.079	0.070	$46,846	$217,886	$46,846	2.2	0.5	1	3.7	8%	Low	$666,749	22	FY21-22	$1,823,891
55	53	BR201		Bioretention	0.64	95%	0.053	0.047	$31,610	$147,022	$31,610	4	1.88	0	5.88	66%	Medium	$666,749	22	FY21-22	$1,792,281
56	54	BR135		Bioretention	1.08	95%	0.089	0.080	$53,144	$247,182	$53,144	3.6	2.25	1	6.85	82%	High	$666,749	22	FY21-22	$1,739,137
57	55	BR78		Bioretention	0.97	95%	0.080	0.072	$47,695	$221,834	$47,695	2.2	2.5	1	5.7	61%	Medium	$666,749	22	FY21-22	$1,691,442
58	56	BR96		Bioretention	1.07	95%	0.088	0.079	$52,440	$243,905	$52,440	2	1.88	1	4.88	34%	Low	$666,749	22	FY21-22	$1,639,002
59	57	BR114		Bioretention	1.13	95%	0.093	0.083	$55,257	$257,009	$55,257	2	2	1	5	39%	Low	$666,749	22	FY21-22	$1,583,745
60	58	BR206		Bioretention	1.44	95%	0.119	0.106	$70,590	$328,325	$70,590	3.6	2.5	2	8.1	92%	High	$666,749	22	FY21-22	$1,513,155
61	59	BR170		Bioretention	2.28	95%	0.188	0.168	$111,691	$519,487	$111,691	2.6	1.13	2	5.73	62%	Medium	$666,749	22	FY21-22	$1,401,464
62	60	BR83		Bioretention	2.26	95%	0.187	0.166	$110,803	$515,361	$110,803	2.6	1.75	2	6.35	74%	Medium	$666,749	22	FY21-22	$1,290,661
63	61	BR247		Bioretention	1.20	95%	0.099	0.088	$58,864	$273,782	$58,864	2.6	2.25	1	5.85	65%	Medium	$666,749	22	FY21-22	$1,231,797
64	62	BR47		Bioretention	1.50	95%	0.124	0.111	$73,678	$342,685	$73,678	4.6	1.5	2	8.1	92%	High	$666,749	22	FY21-22	$1,158,119
65	63	BR137		Bioretention	4.24	95%	0.350	0.312	$207,949	$967,196	$207,949	2	1.75	3	6.75	81%	High	$666,749	22	FY21-22	$950,171
66	64	BR225		Bioretention	3.97	95%	0.327	0.292	$194,487	$904,584	$194,487	3.4	2.5	3	8.9	95%	High	$666,749	22	FY21-22	$755,684
67	65	BR189		Bioretention	1.49	95%	0.123	0.109	$72,819	$338,692	$72,819	1.4	1.75	2	5.15	45%	Low	$666,749	22	FY21-22	$682,864
68	66	BR102		Bioretention	2.16	95%	0.178	0.159	$105,815	$492,160	$105,815	3.4	2.38	2	7.78	91%	High	$666,749	22	FY21-22	$577,049
69	67	BR8		Bioretention	0.82	95%	0.067	0.060	$40,046	$186,261	$40,046	4.4	2.13	1	7.53	88%	High	$666,749	22	FY21-22	$537,003
70	68	BR58		Bioretention	1.06	95%	0.087	0.078	$51,860	$241,210	$51,860	2.2	1.13	1	4.33	19%	Low	$666,749	22	FY21-22	$485,143
71	69	BR34		Bioretention	1.37	95%	0.113	0.101	$67,133	$312,245	$67,133	2.6	1.88	2	6.48	77%	Medium	$666,749	22	FY21-22	$418,009
72	70	BR3	O_91	Bioretention	1.07	95%	0.088	0.078	$52,313	$243,314	$52,313	2.6	1.75	1	5.35	49%	Low	$666,749	22	FY21-22	$365,697
73	71	BR245		Bioretention	3.59	95%	0.296	0.264	$176,078	$818,963	$176,078	1.6	1.75	3	6.35	74%	Medium	$666,749	22	FY21-22	$189,618
74	72	BR219		Bioretention	1.30	95%	0.107	0.095	$63,664	$296,112	$63,664	2.6	1.88	1	5.48	54%	Medium	$666,749	22	FY21-22	$125,954
75	73	BR172		Bioretention	3.25	95%	0.268	0.239	$159,331	$741,070	$159,331	3.4	2.5	3	8.9	95%	High	$666,749	23	FY22-23	$2,706,623
76	74	BR26		Bioretention	1.80	95%	0.148	0.132	$88,085	$409,693	$88,085	2.6	1.25	2	5.85	65%	Medium	$666,749	23	FY22-23	$2,618,538
77	75	BR204		Bioretention	0.85	95%	0.070	0.062	$41,621	$193,584	$41,621	2.8	1.25	1	5.05	41%	Low	$666,749	23	FY22-23	$2,576,917
78	76	BR146		Bioretention	3.53	95%	0.292	0.260	$173,218	$805,661	$173,218	1.6	3.13	3	7.73	90%	High	$666,749	23	FY22-23	$2,403,699
79	77	BR168		Bioretention	1.59	95%	0.131	0.117	$77,710	$361,440	$77,710	3.6	1.88	2	7.48	87%	High	$666,749	23	FY22-23	$2,325,989
80	78	BR19		Bioretention	1.42	95%	0.117	0.105	$69,726	$324,304	$69,726	4	1.63	2	7.63	89%	High	$666,749	23	FY22-23	$2,256,263
81	79	BR23		Bioretention	1.34	95%	0.111	0.099	$65,719	$305,666	$65,719	1.6	1.88	1	4.48	22%	Low	$666,749	23	FY22-23	$2,190,544
82	80	BR153		Bioretention	0.86	95%	0.071	0.063	$41,928	$195,012	$41,928	2.8	1.75	1	5.55	56%	Medium	$666,749	23	FY22-23	$2,148,616
83	81	BR152		Bioretention	1.05	95%	0.087	0.077	$51,439	$239,251	$51,439	4.4	1.75	1	7.15	86%	High	$666,749	23	FY22-23	$2,097,177
84	82	BR211		Bioretention	0.77	95%	0.064	0.057	$37,723	$175,457	$37,723	3.6	1.13	1	5.73	62%	Medium	$666,749	23	FY22-23	$2,059,454
85	83	BR235		Bioretention	1.07	95%	0.089	0.079	$52,596	$244,632	$52,596	2.6	1.88	1	5.48	54%	Medium	$666,749	23	FY22-23	$2,006,857
86	84	BR73		Bioretention	0.31	95%	0.025	0.023	$15,121	$70,330	$15,121	1.6	1.88	0	3.48	5%	Low	$666,749	23	FY22-23	$1,991,736
87	85	BR111		Bioretention	0.33	95%	0.027	0.024	$16,096	$74,864	$16,096	3.2	2.5	0	5.7	61%	Medium	$666,749	23	FY22-23	$1,975,640

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V
2	Rank by Cost Effectiveness	SITE ID	Name	Type	Drainage Area (acres)	% Imp	Storage Capacity (ac-ft)	EWMP Equiv. Volume (ac-ft)	Cost Est. (EWMP Eqs)	Cost Estimate (Regression)	Selected Cost (Min $15,000)	Normalized Suitability Score	Normalized Multi-Benefit Score	Normalized EWMP Volume Score	Final Score (out of 15)	Score Percentile	Score Bracket	Cost Effectiveness ($/EWMP Vol)	Fiscal Year	Fiscal Year	Annual Remainder
88	86	BR262		Bioretention	0.84	95%	0.069	0.062	$41,156	$191,424	$41,156	1.6	1.13	1	3.73	8%	Low	$666,749	23	FY22-23	$1,934,484
89	87	BR108		Bioretention	0.67	95%	0.055	0.049	$32,943	$153,223	$32,943	2.2	1.88	0	4.08	13%	Low	$666,749	23	FY22-23	$1,901,541
90	88	BR158		Bioretention	0.65	95%	0.054	0.048	$31,868	$148,221	$31,868	3.6	1.13	0	4.73	30%	Low	$666,749	23	FY22-23	$1,869,673
91	89	BR210		Bioretention	0.62	95%	0.051	0.046	$30,531	$142,004	$30,531	2.4	1.63	0	4.03	12%	Low	$666,749	23	FY22-23	$1,839,142
92	90	BR150		Bioretention	0.44	95%	0.036	0.032	$21,375	$99,417	$21,375	2.4	1.13	0	3.53	5%	Low	$666,749	23	FY22-23	$1,817,767
93	91	BR4	O_92	Bioretention	0.38	95%	0.031	0.028	$18,579	$86,414	$18,579	1.8	1.13	0	2.93	2%	Low	$666,749	23	FY22-23	$1,799,188
94	92	BR104		Bioretention	0.42	95%	0.035	0.031	$20,739	$96,458	$20,739	4	1.13	0	5.13	44%	Low	$666,749	23	FY22-23	$1,778,450
95	93	D31	O_31	Dry Well	8.13	74%	0.519	0.580	$400,000	$1,536,797	$400,000	4.2	1.38	4	9.58	97%	High	$689,755	23	FY22-23	$1,378,450
96	94	D129	O_129	Dry Well	5.58	66%	0.326	0.355	$250,000	$960,498	$250,000	4	1.38	3	8.38	94%	High	$704,931	23	FY22-23	$1,128,450
97	95	BR193		Bioretention	1.31	95%	0.108	0.089	$64,013	$297,732	$64,013	3.6	1.75	1	6.35	74%	Medium	$717,643	23	FY22-23	$1,064,437
98	96	BR128		Bioretention	0.97	95%	0.080	0.066	$47,673	$221,732	$47,673	3	1.88	1	5.88	66%	Medium	$717,643	23	FY22-23	$1,016,764
99	97	BR1	O_89	Bioretention	1.01	95%	0.084	0.069	$49,693	$231,131	$49,693	4	1.88	1	6.88	83%	High	$717,643	23	FY22-23	$967,070
100	98	D140	O_140	Dry Well	0.81	90%	0.061	0.069	$50,000	$192,100	$50,000	3.4	2.38	1	6.78	82%	High	$721,900	23	FY22-23	$917,070
101	99	D131	O_131	Dry Well	1.42	49%	0.066	0.068	$50,000	$192,100	$50,000	2.8	2.38	1	6.18	71%	Medium	$738,648	23	FY22-23	$867,070
102	100	BF24		Biofiltration	0.34	95%	0.028	0.028	$21,001	$78,388	$21,001	1.2	1.63	0	2.83	2%	Low	$761,470	23	FY22-23	$846,069
103	101	BF31		Biofiltration	1.23	95%	0.101	0.099	$75,024	$280,031	$75,024	2.8	2	1	5.8	63%	Medium	$761,470	23	FY22-23	$771,046
104	102	BF3		Biofiltration	0.45	95%	0.037	0.036	$27,198	$101,519	$27,198	3.2	2.25	0	5.45	53%	Medium	$761,470	23	FY22-23	$743,848
105	103	BF8		Biofiltration	0.47	95%	0.039	0.038	$28,809	$107,530	$28,809	3.2	2.25	0	5.45	53%	Medium	$761,470	23	FY22-23	$715,039
106	104	D29	O_29	Dry Well	2.56	52%	0.125	0.130	$100,000	$384,199	$100,000	3.2	1.63	2	6.83	82%	High	$769,791	23	FY22-23	$615,039
107	105	D44	O_44	Dry Well	4.39	61%	0.241	0.258	$200,000	$768,398	$200,000	3.8	1.25	3	8.05	92%	High	$776,529	23	FY22-23	$415,039
108	106	D1	O_1	Dry Well	2.22	58%	0.117	0.125	$100,000	$384,199	$100,000	2.6	1.25	2	5.85	65%	Medium	$801,286	23	FY22-23	$315,039
109	107	BF1		Biofiltration	0.31	95%	0.025	0.023	$18,790	$70,133	$18,790	1.2	0.88	0	2.08	0%	Low	$803,590	23	FY22-23	$296,249
110	108	BF34		Biofiltration	0.54	95%	0.045	0.041	$33,217	$123,985	$33,217	2	1.63	0	3.63	6%	Low	$803,590	23	FY22-23	$263,032
111	109	BF9		Biofiltration	0.93	95%	0.077	0.071	$57,109	$213,162	$57,109	3	2.25	1	6.25	73%	Medium	$803,590	23	FY22-23	$205,923
112	110	BF16		Biofiltration	0.45	95%	0.037	0.034	$27,237	$101,663	$27,237	3.6	1.5	0	5.1	43%	Low	$803,590	23	FY22-23	$178,687
113	111	BF6		Biofiltration	0.37	95%	0.031	0.028	$22,661	$84,583	$22,661	3.6	1.75	0	5.35	49%	Low	$803,590	23	FY22-23	$156,026
114	112	BF12		Biofiltration	1.91	95%	0.158	0.145	$116,781	$435,891	$116,781	3	1.5	2	6.5	77%	Medium	$803,590	23	FY22-23	$39,245
115	113	BF33		Biofiltration	0.72	95%	0.060	0.055	$44,042	$164,391	$44,042	2.8	1.63	1	5.43	52%	Medium	$803,590	24	FY23-24	$2,735,203
116	114	BF22		Biofiltration	0.86	95%	0.071	0.065	$52,234	$194,966	$52,234	2.6	1.5	1	5.1	43%	Low	$804,550	24	FY23-24	$2,682,969
117	115	BF21		Biofiltration	0.87	95%	0.072	0.066	$53,088	$198,155	$53,088	3.6	1.38	1	5.98	67%	Medium	$804,550	24	FY23-24	$2,629,881
118	116	BF13		Biofiltration	1.08	95%	0.089	0.082	$65,730	$245,343	$65,730	1.8	2.63	1	5.43	52%	Medium	$804,550	24	FY23-24	$2,564,151
119	117	BF29		Biofiltration	0.34	95%	0.028	0.025	$20,505	$76,538	$20,505	3.2	1.75	0	4.95	37%	Low	$804,550	24	FY23-24	$2,543,645
120	118	BF26		Biofiltration	1.68	95%	0.139	0.128	$102,605	$382,982	$102,605	1.6	2.63	2	6.23	72%	Medium	$804,550	24	FY23-24	$2,441,040
121	119	BF10		Biofiltration	2.91	95%	0.241	0.221	$178,045	$664,566	$178,045	1.6	2.63	3	7.23	86%	High	$804,550	24	FY23-24	$2,262,995
122	120	BF11		Biofiltration	1.10	95%	0.090	0.083	$66,959	$249,929	$66,959	4	1.88	1	6.88	83%	High	$804,550	24	FY23-24	$2,196,036
123	121	BR38		Bioretention	0.23	95%	0.019	0.018	$11,166	$51,934	$15,000	3.2	1.88	0	5.08	42%	Low	$830,285	24	FY23-24	$2,181,036
124	122	BR117		Bioretention	0.24	95%	0.020	0.017	$11,666	$54,261	$15,000	3.6	2.63	0	6.23	72%	Medium	$857,290	24	FY23-24	$2,166,036
125	123	BR263		Bioretention	0.25	95%	0.021	0.017	$12,486	$58,074	$15,000	3.2	1.88	0	5.08	42%	Low	$862,135	24	FY23-24	$2,151,036
126	124	D19	O_19	Dry Well	2.35	50%	0.111	0.116	$100,000	$384,199	$100,000	3.2	1.38	2	6.58	79%	Medium	$865,137	24	FY23-24	$2,051,036
127	125	D60	O_60	Dry Well	0.99	53%	0.049	0.057	$50,000	$192,100	$50,000	3.2	2	1	6.2	71%	Medium	$882,007	24	FY23-24	$2,001,036
128	126	D128	O_128	Dry Well	0.91	64%	0.052	0.056	$50,000	$192,100	$50,000	3.4	1.38	1	5.78	63%	Medium	$888,751	24	FY23-24	$1,951,036
129	127	D18	O_18	Dry Well	6.39	54%	0.320	0.337	$300,000	$1,152,598	$300,000	3.8	1.88	3	8.68	95%	High	$890,703	24	FY23-24	$1,651,036
130	128	D65	O_65	Dry Well	1.01	57%	0.053	0.056	$50,000	$192,100	$50,000	3.4	0.88	1	5.28	47%	Low	$891,437	24	FY23-24	$1,601,036

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131	129	D25	O_25	Dry Well	5.23	54%	0.262	0.275	$250,000	$960,498	$250,000	3.8	1.38	3	8.18	93%	High	$909,112	24	FY23-24	$1,351,036
132	130	D17	O_17	Dry Well	3.86	43%	0.164	0.165	$150,000	$576,299	$150,000	3	1.38	2	6.38	75%	Medium	$911,031	24	FY23-24	$1,201,036
133	131	D7	O_7	Dry Well	5.01	56%	0.257	0.274	$250,000	$960,498	$250,000	3.8	1.38	3	8.18	93%	High	$912,539	24	FY23-24	$951,036
134	132	BR156		Bioretention	0.21	95%	0.017	0.015	$10,176	$47,329	$15,000	2.2	1.75	0	3.95	10%	Low	$982,843	24	FY23-24	$936,036
135	133	D22	O_22	Dry Well	4.26	47%	0.192	0.197	$200,000	$768,398	$200,000	3	1.38	2	6.38	75%	Medium	$1,015,483	24	FY23-24	$736,036
136	134	D36	O_36	Dry Well	8.03	50%	0.379	0.393	$400,000	$1,536,797	$400,000	3.4	1.75	3	8.15	93%	High	$1,016,543	24	FY23-24	$336,036
137	135	D12	O_12	Dry Well	1.01	50%	0.047	0.049	$50,000	$192,100	$50,000	2.2	1.25	0	3.45	5%	Low	$1,019,424	24	FY23-24	$286,036
138	136	D14	O_14	Dry Well	5.13	47%	0.232	0.238	$250,000	$960,498	$250,000	3.2	1.75	3	7.95	91%	High	$1,049,874	24	FY23-24	$36,036
139	137	BR118		Bioretention	0.37	95%	0.031	0.017	$18,212	$84,708	$18,212	2.6	2.25	0	4.85	33%	Low	$1,086,778	24	FY23-24	$17,823
140	138	BR99		Bioretention	0.36	95%	0.029	0.016	$17,446	$81,141	$17,446	4.4	2.5	0	6.9	84%	High	$1,086,778	24	FY23-24	$378
141	139	BR243		Bioretention	0.36	95%	0.030	0.016	$17,760	$82,602	$17,760	3.2	1.13	0	4.33	19%	Low	$1,086,778	25	FY24-25	$2,722,618
142	140	BR249		Bioretention	0.51	95%	0.042	0.023	$25,035	$116,439	$25,035	3.2	3	0	6.2	71%	Medium	$1,086,778	25	FY24-25	$2,697,584
143	141	BR6	O_95	Bioretention	0.62	95%	0.051	0.028	$30,486	$141,796	$30,486	4	2.38	0	6.38	75%	Medium	$1,086,778	25	FY24-25	$2,667,097
144	142	BR22		Bioretention	0.54	95%	0.045	0.025	$26,657	$123,985	$26,657	3.2	2.63	0	5.83	64%	Medium	$1,086,778	25	FY24-25	$2,640,440
145	143	BR63		Bioretention	0.43	95%	0.036	0.019	$21,084	$98,065	$21,084	3	2.63	0	5.63	58%	Medium	$1,086,778	25	FY24-25	$2,619,356
146	144	BR255		Bioretention	0.86	95%	0.071	0.039	$41,925	$195,001	$41,925	4	1.75	0	5.75	62%	Medium	$1,086,778	25	FY24-25	$2,577,431
147	145	BR198		Bioretention	0.89	95%	0.073	0.040	$43,421	$201,957	$43,421	3.6	2.75	0	6.35	74%	Medium	$1,086,778	25	FY24-25	$2,534,010
148	146	BR41		Bioretention	0.48	95%	0.039	0.022	$23,422	$108,939	$23,422	3	2.38	0	5.38	51%	Medium	$1,086,778	25	FY24-25	$2,510,588
149	147	BR252		Bioretention	0.44	95%	0.037	0.020	$21,729	$101,066	$21,729	2.8	0.38	0	3.18	3%	Low	$1,086,778	25	FY24-25	$2,488,858
150	148	BR203		Bioretention	1.37	95%	0.113	0.062	$67,292	$312,983	$67,292	1.6	1.88	1	4.48	22%	Low	$1,086,778	25	FY24-25	$2,421,567
151	149	BR48		Bioretention	0.48	95%	0.039	0.022	$23,426	$108,957	$23,426	3.6	1.75	0	5.35	49%	Low	$1,086,778	25	FY24-25	$2,398,141
152	150	BR87		Bioretention	0.46	95%	0.038	0.021	$22,415	$104,256	$22,415	2.8	1.25	0	4.05	13%	Low	$1,086,778	25	FY24-25	$2,375,725
153	151	BR68		Bioretention	1.37	95%	0.113	0.062	$67,347	$313,238	$67,347	3	2.25	1	6.25	73%	Medium	$1,086,778	25	FY24-25	$2,308,379
154	152	BR155		Bioretention	2.14	95%	0.176	0.096	$104,677	$486,866	$104,677	3.2	2.5	1	6.7	81%	High	$1,086,778	25	FY24-25	$2,203,702
155	153	BR14		Bioretention	1.51	95%	0.125	0.068	$74,012	$344,242	$74,012	2.6	2.63	1	6.23	72%	Medium	$1,086,778	25	FY24-25	$2,129,689
156	154	BR90		Bioretention	0.70	95%	0.058	0.032	$34,367	$159,844	$34,367	2.2	1.88	0	4.08	13%	Low	$1,086,778	25	FY24-25	$2,095,323
157	155	BR202		Bioretention	2.10	95%	0.173	0.095	$102,755	$477,926	$102,755	3.6	2.75	1	7.35	87%	High	$1,086,778	25	FY24-25	$1,992,568
158	156	BR188		Bioretention	3.11	95%	0.257	0.140	$152,363	$708,660	$152,363	3.6	2.5	2	8.1	92%	High	$1,086,778	25	FY24-25	$1,840,205
159	157	BR181		Bioretention	3.28	95%	0.270	0.148	$160,565	$746,808	$160,565	4	2	2	8	91%	High	$1,086,778	25	FY24-25	$1,679,640
160	158	BR231		Bioretention	2.79	95%	0.231	0.126	$136,914	$636,805	$136,914	2.4	2.25	2	6.65	80%	Medium	$1,086,778	25	FY24-25	$1,542,726
161	159	BR147		Bioretention	0.50	95%	0.041	0.022	$24,274	$112,900	$24,274	4	1.38	0	5.38	51%	Medium	$1,086,778	25	FY24-25	$1,518,452
162	160	BR145		Bioretention	1.11	95%	0.091	0.050	$54,190	$252,045	$54,190	2.2	2.25	0	4.45	21%	Low	$1,086,778	25	FY24-25	$1,464,262
163	161	BR95		Bioretention	3.99	95%	0.329	0.180	$195,563	$909,590	$195,563	3	2.63	2	7.63	89%	High	$1,086,778	25	FY24-25	$1,268,699
164	162	BR7	O_99	Bioretention	0.44	95%	0.036	0.020	$21,424	$99,648	$21,424	3	1.88	0	4.88	34%	Low	$1,086,778	25	FY24-25	$1,247,274
165	163	BR241		Bioretention	1.56	95%	0.128	0.070	$76,304	$354,902	$76,304	2	2	1	5	39%	Low	$1,086,778	25	FY24-25	$1,170,970
166	164	BR223		Bioretention	1.74	95%	0.144	0.079	$85,422	$397,307	$85,422	2.6	2	1	5.6	57%	Medium	$1,086,778	25	FY24-25	$1,085,549
167	165	BR18		Bioretention	0.34	95%	0.028	0.015	$16,492	$76,706	$16,492	4	2.63	0	6.63	79%	Medium	$1,086,778	25	FY24-25	$1,069,057
168	166	BR196		Bioretention	2.18	95%	0.180	0.098	$107,022	$497,775	$107,022	2.6	2.38	1	5.98	67%	Medium	$1,086,778	25	FY24-25	$962,034
169	167	BR227		Bioretention	3.46	95%	0.285	0.156	$169,402	$787,912	$169,402	4	1.5	2	7.5	88%	High	$1,086,778	25	FY24-25	$792,632
170	168	BR251		Bioretention	9.86	95%	0.814	0.445	$483,559	$2,249,095	$483,559	3.8	0.75	3	7.55	89%	High	$1,086,778	25	FY24-25	$309,074
171	169	BR185		Bioretention	2.97	95%	0.245	0.134	$145,593	$677,172	$145,593	4.4	2.63	2	9.03	96%	High	$1,086,778	25	FY24-25	$163,480
172	170	BR77		Bioretention	4.86	95%	0.401	0.219	$238,422	$1,108,932	$238,422	4.4	2.38	3	9.78	98%	High	$1,086,778	26	FY25-26	$2,665,058
173	171	BR218		Bioretention	0.75	95%	0.062	0.034	$36,944	$171,833	$36,944	2.6	1.63	0	4.23	17%	Low	$1,086,778	26	FY25-26	$2,628,114

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V
2	Rank by Cost Effectiveness	SITE ID	Name	Type	Drainage Area (acres)	% Imp	Storage Capacity (ac-ft)	EWMP Equiv. Volume (ac-ft)	Cost Est. (EWMP Eqs)	Cost Estimate (Regression)	Selected Cost (Min $15,000)	Normalized Suitability Score	Normalized Multi-Benefit Score	Normalized EWMP Volume Score	Final Score (out of 15)	Score Percentile	Score Bracket	Cost Effectiveness ($/EWMP Vol)	Fiscal Year	Fiscal Year	Annual Remainder
174	172	BR80		Bioretention	1.49	95%	0.123	0.067	$72,991	$339,491	$72,991	3.2	2.75	1	6.95	84%	High	$1,086,778	26	FY25-26	$2,555,123
175	173	BR53		Bioretention	0.33	95%	0.027	0.015	$16,259	$75,621	$16,259	2.2	2.25	0	4.45	21%	Low	$1,086,778	26	FY25-26	$2,538,864
176	174	BR169		Bioretention	2.06	95%	0.170	0.093	$101,217	$470,775	$101,217	2.6	1.13	1	4.73	30%	Low	$1,086,778	26	FY25-26	$2,437,647
177	175	BR237		Bioretention	1.39	95%	0.115	0.063	$68,056	$316,536	$68,056	3.2	2.25	1	6.45	77%	Medium	$1,086,778	26	FY25-26	$2,369,591
178	176	BR130		Bioretention	3.06	95%	0.253	0.138	$150,133	$698,288	$150,133	3	2.75	2	7.75	90%	High	$1,086,778	26	FY25-26	$2,219,458
179	177	BR184		Bioretention	2.42	95%	0.200	0.109	$118,742	$552,286	$118,742	2.6	2.5	2	7.1	85%	High	$1,086,778	26	FY25-26	$2,100,716
180	178	BR121		Bioretention	2.20	95%	0.182	0.099	$107,915	$501,926	$107,915	3.4	2.25	1	6.65	80%	Medium	$1,086,778	26	FY25-26	$1,992,801
181	179	BR89		Bioretention	3.06	95%	0.252	0.138	$149,901	$697,208	$149,901	4.4	2.5	2	8.9	95%	High	$1,086,778	26	FY25-26	$1,842,900
182	180	BR260		Bioretention	1.03	95%	0.085	0.046	$50,379	$234,321	$50,379	4	2	0	6	68%	Medium	$1,086,778	26	FY25-26	$1,792,521
183	181	BR215		Bioretention	0.65	95%	0.053	0.029	$31,623	$147,085	$31,623	4	2	0	6	68%	Medium	$1,086,778	26	FY25-26	$1,760,897
184	182	BR244		Bioretention	2.07	95%	0.171	0.094	$101,695	$472,997	$101,695	2.4	2.25	1	5.65	60%	Medium	$1,086,778	26	FY25-26	$1,659,202
185	183	BR228		Bioretention	0.66	95%	0.055	0.030	$32,483	$151,084	$32,483	2.4	1.25	0	3.65	6%	Low	$1,086,778	26	FY25-26	$1,626,719
186	184	BR29		Bioretention	1.70	95%	0.141	0.077	$83,505	$388,393	$83,505	2	1.63	1	4.63	27%	Low	$1,086,778	26	FY25-26	$1,543,214
187	185	BR44		Bioretention	0.57	95%	0.047	0.026	$28,049	$130,461	$28,049	4	2.75	0	6.75	81%	High	$1,086,778	26	FY25-26	$1,515,165
188	186	BR9		Bioretention	0.51	95%	0.042	0.023	$25,211	$117,260	$25,211	4	2.75	0	6.75	81%	High	$1,086,778	26	FY25-26	$1,489,954
189	187	BR39		Bioretention	1.19	95%	0.098	0.054	$58,220	$270,788	$58,220	3.6	2.13	1	6.73	81%	High	$1,086,778	26	FY25-26	$1,431,734
190	188	BR43		Bioretention	0.38	95%	0.031	0.017	$18,587	$86,451	$18,587	4.4	3.63	0	8.03	92%	High	$1,086,778	26	FY25-26	$1,413,147
191	189	BR159		Bioretention	0.36	95%	0.029	0.016	$17,482	$81,311	$17,482	3.4	1.63	0	5.03	40%	Low	$1,086,778	26	FY25-26	$1,395,665
192	190	BR16		Bioretention	1.01	95%	0.083	0.045	$49,322	$229,404	$49,322	3.4	2.25	0	5.65	60%	Medium	$1,086,778	26	FY25-26	$1,346,342
193	191	BR133		Bioretention	0.47	95%	0.039	0.021	$22,867	$106,359	$22,867	2.2	1.25	0	3.45	5%	Low	$1,086,778	26	FY25-26	$1,323,475
194	192	BR132		Bioretention	0.59	95%	0.049	0.027	$28,883	$134,340	$28,883	3.2	1.13	0	4.33	19%	Low	$1,086,778	26	FY25-26	$1,294,592
195	193	BR126		Bioretention	0.36	95%	0.030	0.016	$17,579	$81,762	$17,579	4	2.5	0	6.5	77%	Medium	$1,086,778	26	FY25-26	$1,277,013
196	194	BR176		Bioretention	0.42	95%	0.034	0.019	$20,467	$95,194	$20,467	3.2	2.13	0	5.33	48%	Low	$1,086,778	26	FY25-26	$1,256,546
197	195	BR51		Bioretention	0.41	95%	0.034	0.018	$19,901	$92,561	$19,901	4	2.13	0	6.13	70%	Medium	$1,086,778	26	FY25-26	$1,236,645
198	196	BR253		Bioretention	0.32	95%	0.026	0.014	$15,455	$71,882	$15,455	2.2	1.88	0	4.08	13%	Low	$1,086,778	26	FY25-26	$1,221,191
199	197	BR113		Bioretention	0.60	95%	0.050	0.027	$29,612	$137,728	$29,612	3	2.63	0	5.63	58%	Medium	$1,086,778	26	FY25-26	$1,191,579
200	198	BR97		Bioretention	0.43	95%	0.036	0.020	$21,279	$98,971	$21,279	4	2.88	0	6.88	83%	High	$1,086,778	26	FY25-26	$1,170,300
201	199	BR112		Bioretention	0.43	95%	0.036	0.019	$21,152	$98,382	$21,152	3.2	2.25	0	5.45	53%	Medium	$1,086,778	26	FY25-26	$1,149,148
202	200	BR25		Bioretention	0.18	95%	0.015	0.013	$8,869	$41,249	$15,000	2.6	1.88	0	4.48	22%	Low	$1,127,708	26	FY25-26	$1,134,148
203	201	BR24		Bioretention	0.29	95%	0.024	0.013	$14,237	$66,219	$15,000	2.6	2.88	0	5.48	54%	Medium	$1,145,011	26	FY25-26	$1,119,148
204	202	BR106		Bioretention	0.19	95%	0.015	0.013	$9,158	$42,595	$15,000	4	1.63	0	5.63	58%	Medium	$1,175,426	26	FY25-26	$1,104,148
205	203	D139	O_139	Dry Well	0.90	46%	0.040	0.041	$50,000	$192,100	$50,000	2.6	2.5	0	5.1	43%	Low	$1,232,830	26	FY25-26	$1,054,148
206	204	D141	O_141	Dry Well	0.90	46%	0.040	0.041	$50,000	$192,100	$50,000	2.6	2.5	0	5.1	43%	Low	$1,232,830	26	FY25-26	$1,004,148
207	205	BR151		Bioretention	0.27	95%	0.022	0.012	$13,350	$62,094	$15,000	4	2.25	0	6.25	73%	Medium	$1,243,721	26	FY25-26	$989,148
208	206	BR182		Bioretention	0.25	95%	0.021	0.011	$12,479	$58,041	$15,000	3.6	1.88	0	5.48	54%	Medium	$1,306,334	26	FY25-26	$974,148
209	207	D63	O_63	Dry Well	0.46	86%	0.033	0.037	$50,000	$192,100	$50,000	3	2.25	0	5.25	47%	Low	$1,339,421	26	FY25-26	$924,148
210	208	D50	O_50	Dry Well	11.12	37%	0.425	0.409	$550,000	$2,113,096	$550,000	2.6	1.88	3	7.48	87%	High	$1,343,562	26	FY25-26	$374,148
211	209	D133	O_133	Dry Well	1.23	30%	0.041	0.037	$50,000	$192,100	$50,000	1.2	1.25	0	2.45	2%	Low	$1,345,679	26	FY25-26	$324,148
212	210	BR144		Bioretention	0.25	95%	0.020	0.011	$12,099	$56,273	$15,000	2	2.63	0	4.63	27%	Low	$1,347,390	26	FY25-26	$309,148
213	211	D66	O_66	Dry Well	0.63	61%	0.035	0.037	$50,000	$192,100	$50,000	3	1.38	0	4.38	20%	Low	$1,356,489	26	FY25-26	$259,148
214	212	BF2		Biofiltration	0.14	95%	0.011	0.011	$8,388	$31,309	$15,000	3.2	2.13	0	5.33	48%	Low	$1,361,683	26	FY25-26	$244,148
215	213	BR45		Bioretention	0.13	95%	0.011	0.011	$6,336	$29,471	$15,000	1.8	3.25	0	5.05	41%	Low	$1,364,014	26	FY25-26	$229,148
216	214	D61	O_61	Dry Well	0.51	75%	0.033	0.036	$50,000	$192,100	$50,000	2.6	1.88	0	4.48	22%	Low	$1,375,905	26	FY25-26	$179,148

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V
2	Rank by Cost Effectiveness	SITE ID	Name	Type	Drainage Area (acres)	% Imp	Storage Capacity (ac-ft)	EWMP Equiv. Volume (ac-ft)	Cost Est. (EWMP Eqs)	Cost Estimate (Regression)	Selected Cost (Min $15,000)	Normalized Suitability Score	Normalized Multi-Benefit Score	Normalized EWMP Volume Score	Final Score (out of 15)	Score Percentile	Score Bracket	Cost Effectiveness ($/EWMP Vol)	Fiscal Year	Fiscal Year	Annual Remainder
217	215	D73	O_73	Dry Well	9.36	35%	0.345	0.325	$450,000	$1,728,896	$450,000	2.6	1.88	3	7.48	87%	High	$1,385,355	27	FY26-27	$2,469,148
218	216	BR214		Bioretention	0.23	95%	0.019	0.011	$11,508	$53,527	$15,000	2.2	3	0	5.2	45%	Low	$1,416,506	27	FY26-27	$2,454,148
219	217	D33	O_33	Dry Well	0.45	81%	0.031	0.035	$50,000	$192,100	$50,000	3.8	1	0	4.8	32%	Low	$1,426,756	27	FY26-27	$2,404,148
220	218	D59	O_59	Dry Well	0.41	79%	0.027	0.035	$50,000	$192,100	$50,000	3.6	1.88	0	5.48	54%	Medium	$1,431,421	27	FY26-27	$2,354,148
221	219	D62	O_62	Dry Well	0.42	88%	0.031	0.035	$50,000	$192,100	$50,000	3	2.25	0	5.25	47%	Low	$1,437,779	27	FY26-27	$2,304,148
222	220	BR17		Bioretention	0.23	95%	0.019	0.010	$11,208	$52,131	$15,000	3.2	1.25	0	4.45	21%	Low	$1,454,430	27	FY26-27	$2,289,148
223	221	D43	O_43	Dry Well	0.61	56%	0.032	0.033	$50,000	$192,100	$50,000	3.2	1.88	0	5.08	42%	Low	$1,501,629	27	FY26-27	$2,239,148
224	222	BR259		Bioretention	0.15	95%	0.012	0.010	$7,127	$33,147	$15,000	4	1	0	5	39%	Low	$1,510,472	27	FY26-27	$2,224,148
225	223	D130	O_130	Dry Well	0.92	36%	0.035	0.033	$50,000	$192,100	$50,000	2	1.88	0	3.88	9%	Low	$1,512,142	27	FY26-27	$2,174,148
226	224	BF32		Biofiltration	0.13	95%	0.011	0.010	$7,899	$29,485	$15,000	3.2	2	0	5.2	45%	Low	$1,525,916	27	FY26-27	$2,159,148
227	225	BR94		Bioretention	0.31	95%	0.025	0.010	$15,110	$70,278	$15,110	1	0.88	0	1.88	0%	Low	$1,532,836	27	FY26-27	$2,144,038
228	226	BR127		Bioretention	0.13	95%	0.011	0.010	$6,381	$29,681	$15,000	3	1.88	0	4.88	34%	Low	$1,567,232	27	FY26-27	$2,129,038
229	227	BR70		Bioretention	0.13	95%	0.011	0.010	$6,336	$29,470	$15,000	1.8	1.13	0	2.93	2%	Low	$1,578,461	27	FY26-27	$2,114,038
230	228	D53	O_53	Dry Well	3.13	30%	0.104	0.095	$150,000	$576,299	$150,000	2.4	2.13	1	5.53	56%	Medium	$1,579,667	27	FY26-27	$1,964,038
231	229	D123	O_123	Dry Well	0.63	51%	0.030	0.031	$50,000	$192,100	$50,000	2.8	1.38	0	4.18	15%	Low	$1,588,177	27	FY26-27	$1,914,038
232	230	BR148		Bioretention	0.13	95%	0.010	0.009	$6,217	$28,918	$15,000	3.8	1.75	0	5.55	56%	Medium	$1,608,574	27	FY26-27	$1,899,038
233	231	BR116		Bioretention	0.20	95%	0.017	0.009	$10,026	$46,632	$15,000	2	1.25	0	3.25	4%	Low	$1,625,964	27	FY26-27	$1,884,038
234	232	D21	O_21	Dry Well	0.51	61%	0.028	0.030	$50,000	$192,100	$50,000	3.4	2.25	0	5.65	60%	Medium	$1,648,995	27	FY26-27	$1,834,038
235	233	BR107		Bioretention	0.12	95%	0.010	0.009	$5,976	$27,793	$15,000	4	2.13	0	6.13	70%	Medium	$1,673,680	27	FY26-27	$1,819,038
236	234	BR154		Bioretention	0.74	95%	0.061	0.022	$36,455	$169,559	$36,455	3.2	0.75	0	3.95	10%	Low	$1,676,401	27	FY26-27	$1,782,582
237	235	BR208		Bioretention	0.90	95%	0.074	0.026	$43,999	$204,647	$43,999	4.4	2.13	0	6.53	79%	Medium	$1,676,401	27	FY26-27	$1,738,583
238	236	BR62		Bioretention	1.34	95%	0.111	0.039	$65,848	$306,266	$65,848	3	3	0	6	68%	Medium	$1,676,401	27	FY26-27	$1,672,736
239	237	BR129		Bioretention	1.06	95%	0.088	0.031	$52,054	$242,111	$52,054	3.2	0.75	0	3.95	10%	Low	$1,676,401	27	FY26-27	$1,620,681
240	238	BR59		Bioretention	0.58	95%	0.048	0.017	$28,313	$131,685	$28,313	2.4	2.63	0	5.03	40%	Low	$1,676,401	27	FY26-27	$1,592,369
241	239	BR197		Bioretention	0.46	95%	0.038	0.014	$22,789	$105,997	$22,789	4.4	1.5	0	5.9	67%	Medium	$1,676,401	27	FY26-27	$1,569,579
242	240	BR190		Bioretention	3.97	95%	0.328	0.116	$194,640	$905,295	$194,640	3.2	3.38	2	8.58	95%	High	$1,676,401	27	FY26-27	$1,374,940
243	241	BR100		Bioretention	2.12	95%	0.175	0.062	$103,847	$483,007	$103,847	3.6	2.75	1	7.35	87%	High	$1,676,401	27	FY26-27	$1,271,092
244	242	BR122		Bioretention	2.02	95%	0.166	0.059	$98,800	$459,533	$98,800	3	3	1	7	85%	High	$1,676,401	27	FY26-27	$1,172,292
245	243	BR31		Bioretention	5.03	95%	0.415	0.147	$246,624	$1,147,080	$246,624	3.4	2.75	2	8.15	93%	High	$1,676,401	27	FY26-27	$925,668
246	244	BR220		Bioretention	1.18	95%	0.097	0.034	$57,605	$267,929	$57,605	4	3	0	7	85%	High	$1,676,401	27	FY26-27	$868,063
247	245	BR232		Bioretention	1.90	95%	0.157	0.056	$93,243	$433,687	$93,243	3.6	0.75	1	5.35	49%	Low	$1,676,401	27	FY26-27	$774,820
248	246	BR40		Bioretention	0.85	95%	0.070	0.025	$41,774	$194,295	$41,774	4	3.13	0	7.13	85%	High	$1,676,401	27	FY26-27	$733,046
249	247	BR171		Bioretention	1.54	95%	0.128	0.045	$75,720	$352,183	$75,720	3.4	2.5	0	5.9	67%	Medium	$1,676,401	27	FY26-27	$657,326
250	248	BR119		Bioretention	0.52	95%	0.043	0.015	$25,629	$119,206	$25,629	2.6	2.63	0	5.23	46%	Low	$1,676,401	27	FY26-27	$631,697
251	249	BR110		Bioretention	0.46	95%	0.038	0.014	$22,761	$105,866	$22,761	3.4	2	0	5.4	51%	Medium	$1,676,401	27	FY26-27	$608,936
252	250	BR30		Bioretention	0.44	95%	0.036	0.013	$21,452	$99,778	$21,452	3	2.13	0	5.13	44%	Low	$1,676,401	27	FY26-27	$587,483
253	251	BR246		Bioretention	0.30	95%	0.025	0.009	$14,832	$68,987	$15,000	4	1.25	0	5.25	47%	Low	$1,695,362	27	FY26-27	$572,483
254	252	BR55		Bioretention	0.20	95%	0.016	0.009	$9,604	$44,671	$15,000	3.2	2.38	0	5.58	57%	Medium	$1,697,330	27	FY26-27	$557,483
255	253	BR236		Bioretention	0.20	95%	0.016	0.009	$9,563	$44,478	$15,000	3.6	2.88	0	6.48	77%	Medium	$1,704,686	27	FY26-27	$542,483
256	254	BR71		Bioretention	0.32	95%	0.026	0.009	$15,589	$72,507	$15,589	1.6	1.38	0	2.98	3%	Low	$1,710,770	27	FY26-27	$526,894
257	255	BR91		Bioretention	4.91	95%	0.405	0.141	$240,459	$1,118,408	$240,459	4.4	2.88	2	9.28	97%	High	$1,710,770	27	FY26-27	$286,435
258	256	BR221		Bioretention	2.43	95%	0.201	0.070	$119,223	$554,522	$119,223	3.4	2.5	1	6.9	84%	High	$1,710,770	27	FY26-27	$167,212
259	257	BR224		Bioretention	0.45	95%	0.038	0.013	$22,278	$103,617	$22,278	4.4	3.25	0	7.65	89%	High	$1,710,770	27	FY26-27	$144,934

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2	Rank by Cost Effectiveness	SITE ID	Name	Type	Drainage Area (acres)	% Imp	Storage Capacity (ac-ft)	EWMP Equiv. Volume (ac-ft)	Cost Est. (EWMP Eqs)	Cost Estimate (Regression)	Selected Cost (Min $15,000)	Normalized Suitability Score	Normalized Multi-Benefit Score	Normalized EWMP Volume Score	Final Score (out of 15)	Score Percentile	Score Bracket	Cost Effectiveness ($/EWMP Vol)	Fiscal Year	Fiscal Year	Annual Remainder
260	258	D24	O_24	Dry Well	0.36	83%	0.025	0.029	$50,000	$192,100	$50,000	3.8	2	0	5.8	63%	Medium	$1,733,085	27	FY26-27	$94,934
261	259	BR174		Bioretention	0.30	95%	0.025	0.009	$14,779	$68,740	$15,000	2.6	1.63	0	4.23	17%	Low	$1,736,329	27	FY26-27	$79,934
262	260	D57	O_57	Dry Well	0.37	82%	0.025	0.029	$50,000	$192,100	$50,000	2.8	1.88	0	4.68	28%	Low	$1,746,037	27	FY26-27	$29,934
263	261	D71	O_71	Dry Well	0.49	59%	0.026	0.028	$50,000	$192,100	$50,000	2.4	1.88	0	4.28	18%	Low	$1,790,658	28	FY27-28	$2,719,934
264	262	BR84		Bioretention	0.11	95%	0.009	0.008	$5,583	$25,970	$15,000	4.2	2	0	6.2	71%	Medium	$1,791,215	28	FY27-28	$2,704,934
265	263	BR149		Bioretention	0.19	95%	0.015	0.008	$9,073	$42,199	$15,000	3	1.25	0	4.25	17%	Low	$1,796,750	28	FY27-28	$2,689,934
266	264	BR120		Bioretention	0.28	95%	0.023	0.008	$13,886	$64,585	$15,000	3	2.13	0	5.13	44%	Low	$1,810,916	28	FY27-28	$2,674,934
267	265	BR56		Bioretention	2.09	95%	0.173	0.055	$102,552	$476,985	$102,552	3	1.63	1	5.63	58%	Medium	$1,849,981	28	FY27-28	$2,572,381
268	266	BR222		Bioretention	0.52	95%	0.043	0.014	$25,499	$118,601	$25,499	2.2	1	0	3.2	4%	Low	$1,849,981	28	FY27-28	$2,546,882
269	267	BR36		Bioretention	0.31	95%	0.026	0.008	$15,432	$71,777	$15,432	3.8	2	0	5.8	63%	Medium	$1,849,981	28	FY27-28	$2,531,450
270	268	BR173		Bioretention	0.11	95%	0.009	0.008	$5,384	$25,044	$15,000	2.6	1.88	0	4.48	22%	Low	$1,857,432	28	FY27-28	$2,516,450
271	269	BR191		Bioretention	0.27	95%	0.023	0.008	$13,464	$62,623	$15,000	3.2	1.13	0	4.33	19%	Low	$1,867,633	28	FY27-28	$2,501,450
272	270	BR67		Bioretention	0.18	95%	0.015	0.008	$8,710	$40,514	$15,000	4	1.63	0	5.63	58%	Medium	$1,871,500	28	FY27-28	$2,486,450
273	271	D52	O_52	Dry Well	0.28	96%	0.022	0.026	$50,000	$192,100	$50,000	2.8	2.5	0	5.3	48%	Low	$1,925,388	28	FY27-28	$2,436,450
274	272	BR20		Bioretention	0.17	95%	0.014	0.008	$8,250	$38,374	$15,000	2.2	2.13	0	4.33	19%	Low	$1,975,843	28	FY27-28	$2,421,450
275	273	BR216		Bioretention	0.09	95%	0.008	0.008	$4,603	$21,410	$15,000	1	1.13	0	2.13	0%	Low	$1,993,318	28	FY27-28	$2,406,450
276	274	D16	O_16	Dry Well	0.40	65%	0.023	0.025	$50,000	$192,100	$50,000	3.4	1.38	0	4.78	31%	Low	$2,013,034	28	FY27-28	$2,356,450
277	275	BF30		Biofiltration	0.10	95%	0.008	0.007	$5,946	$22,194	$15,000	3.6	1.5	0	5.1	43%	Low	$2,027,202	28	FY27-28	$2,341,450
278	276	D79	O_79	Dry Well	0.41	62%	0.023	0.025	$50,000	$192,100	$50,000	3.4	1.38	0	4.78	31%	Low	$2,030,239	28	FY27-28	$2,291,450
279	277	BR66		Bioretention	0.25	95%	0.021	0.007	$12,212	$56,798	$15,000	3.6	2.63	0	6.23	72%	Medium	$2,059,192	28	FY27-28	$2,276,450
280	278	BR37		Bioretention	0.23	95%	0.019	0.007	$11,104	$51,646	$15,000	1.4	0.88	0	2.28	1%	Low	$2,070,654	28	FY27-28	$2,261,450
281	279	D80	O_80	Dry Well	0.41	61%	0.022	0.024	$50,000	$192,100	$50,000	3.4	2	0	5.4	51%	Medium	$2,078,398	28	FY27-28	$2,211,450
282	280	D2	O_2	Dry Well	0.37	65%	0.021	0.023	$50,000	$192,100	$50,000	2.6	2.13	0	4.73	30%	Low	$2,159,267	28	FY27-28	$2,161,450
283	281	BR187		Bioretention	0.15	95%	0.013	0.007	$7,539	$35,067	$15,000	2.6	2.88	0	5.48	54%	Medium	$2,162,208	28	FY27-28	$2,146,450
284	282	BR178		Bioretention	0.09	95%	0.008	0.007	$4,621	$21,493	$15,000	4.2	2	0	6.2	71%	Medium	$2,164,319	28	FY27-28	$2,131,450
285	283	BR167		Bioretention	0.09	95%	0.008	0.007	$4,577	$21,290	$15,000	2.8	1.75	0	4.55	25%	Low	$2,184,882	28	FY27-28	$2,116,450
286	284	BR257		Bioretention	0.15	95%	0.012	0.007	$7,286	$33,889	$15,000	4	1.88	0	5.88	66%	Medium	$2,237,339	28	FY27-28	$2,101,450
287	285	D107	O_107	Dry Well	0.42	51%	0.020	0.021	$50,000	$192,100	$50,000	3.2	1.38	0	4.58	25%	Low	$2,362,651	28	FY27-28	$2,051,450
288	286	D58	O_58	Dry Well	0.47	43%	0.020	0.020	$50,000	$192,100	$50,000	3	1.5	0	4.5	24%	Low	$2,516,980	28	FY27-28	$2,001,450
289	287	BR195		Bioretention	0.13	95%	0.011	0.006	$6,283	$29,223	$15,000	4.4	2.25	0	6.65	80%	Medium	$2,594,556	28	FY27-28	$1,986,450
290	288	BR124		Bioretention	0.08	95%	0.006	0.006	$3,741	$17,399	$15,000	4.4	1.5	0	5.9	67%	Medium	$2,673,570	28	FY27-28	$1,971,450
291	289	BF23		Biofiltration	0.02	95%	0.001	0.006	$1,097	$4,094	$15,000	3.2	1.38	0	4.58	25%	Low	$2,725,786	28	FY27-28	$1,956,450
292	290	D118	O_118	Dry Well	0.49	37%	0.019	0.018	$50,000	$192,100	$50,000	2.8	1.38	0	4.18	15%	Low	$2,778,693	28	FY27-28	$1,906,450
293	291	D9	O_9	Dry Well	0.34	54%	0.017	0.018	$50,000	$192,100	$50,000	3.2	1.63	0	4.83	32%	Low	$2,807,283	28	FY27-28	$1,856,450
294	292	BR28		Bioretention	0.18	95%	0.015	0.005	$8,937	$41,566	$15,000	3.2	0.75	0	3.95	10%	Low	$2,813,758	28	FY27-28	$1,841,450
295	293	BR157		Bioretention	0.07	95%	0.006	0.005	$3,521	$16,375	$15,000	3.6	1.25	0	4.85	33%	Low	$2,840,668	28	FY27-28	$1,826,450
296	294	D42	O_42	Dry Well	0.30	60%	0.016	0.017	$50,000	$192,100	$50,000	3.2	1.63	0	4.83	32%	Low	$2,879,616	28	FY27-28	$1,776,450
297	295	BR93		Bioretention	0.11	95%	0.009	0.005	$5,596	$26,026	$15,000	3.6	1.88	0	5.48	54%	Medium	$2,913,288	28	FY27-28	$1,761,450
298	296	R6	Linberg South	Regional	7.90	63%	0.443	0.171	$1,391,400	$501,200	$501,200	3.4	2.25	2	7.65	89%	High	$2,924,154	28	FY27-28	$1,260,250
299	297	BR229		Bioretention	0.11	95%	0.009	0.005	$5,491	$25,539	$15,000	3	2.63	0	5.63	58%	Medium	$2,968,842	28	FY27-28	$1,245,250
300	298	D8	O_8	Dry Well	0.38	44%	0.016	0.016	$50,000	$192,100	$50,000	3	1.63	0	4.63	27%	Low	$3,040,809	28	FY27-28	$1,195,250
301	299	BR125		Bioretention	0.18	95%	0.015	0.005	$8,835	$41,094	$15,000	2.8	2.5	0	5.3	48%	Low	$3,140,801	28	FY27-28	$1,180,250
302	300	R3	Fox Hills	Regional	38.67	70%	2.359	0.837	$2,202,700	$2,666,600	$2,666,600	3.2	1.88	4	9.08	96%	High	$3,186,663	29	FY28-29	$1,253,650

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V
2	Rank by Cost Effectiveness	SITE ID	Name	Type	Drainage Area (acres)	% Imp	Storage Capacity (ac-ft)	EWMP Equiv. Volume (ac-ft)	Cost Est. (EWMP Eqs)	Cost Estimate (Regression)	Selected Cost (Min $15,000)	Normalized Suitability Score	Normalized Multi-Benefit Score	Normalized EWMP Volume Score	Final Score (out of 15)	Score Percentile	Score Bracket	Cost Effectiveness ($/EWMP Vol)	Fiscal Year	Fiscal Year	Annual Remainder
303	301	BR101		Bioretention	0.11	95%	0.009	0.005	$5,208	$24,222	$15,000	3.6	2	0	5.6	57%	Medium	$3,188,357	29	FY28-29	$1,238,650
304	302	D3	O_3	Dry Well	4.44	12%	0.093	0.062	$200,000	$768,398	$200,000	2.2	1.88	1	5.08	42%	Low	$3,230,006	29	FY28-29	$1,038,650
305	303	BR213		Bioretention	0.10	95%	0.008	0.005	$4,990	$23,209	$15,000	2.6	1.63	0	4.23	17%	Low	$3,266,943	29	FY28-29	$1,023,650
306	304	D56	O_56	Dry Well	0.17	92%	0.013	0.015	$50,000	$192,100	$50,000	2.8	1.88	0	4.68	28%	Low	$3,321,530	29	FY28-29	$973,650
307	305	BR226		Bioretention	0.06	95%	0.005	0.004	$2,910	$13,535	$15,000	3.6	1.38	0	4.98	38%	Low	$3,436,749	29	FY28-29	$958,650
308	306	BR143		Bioretention	0.06	95%	0.005	0.004	$2,861	$13,305	$15,000	2.8	1.75	0	4.55	25%	Low	$3,496,207	29	FY28-29	$943,650
309	307	D69	O_69	Dry Well	0.26	50%	0.012	0.014	$50,000	$192,100	$50,000	3.2	1.88	0	5.08	42%	Low	$3,534,326	29	FY28-29	$893,650
310	308	D20	O_20	Dry Well	0.23	60%	0.013	0.014	$50,000	$192,100	$50,000	2.4	1.25	0	3.65	6%	Low	$3,676,640	29	FY28-29	$843,650
311	309	BR248		Bioretention	0.09	95%	0.007	0.004	$4,406	$20,491	$15,000	3.6	2.38	0	5.98	67%	Medium	$3,700,142	29	FY28-29	$828,650
312	310	BR123		Bioretention	0.06	95%	0.005	0.004	$2,701	$12,565	$15,000	3	1.88	0	4.88	34%	Low	$3,702,115	29	FY28-29	$813,650
313	311	BR212		Bioretention	0.09	95%	0.007	0.004	$4,401	$20,469	$15,000	3	1.25	0	4.25	17%	Low	$3,704,155	29	FY28-29	$798,650
314	312	BR192		Bioretention	0.09	95%	0.008	0.004	$4,474	$20,810	$15,000	4	1.75	0	5.75	62%	Medium	$3,711,039	29	FY28-29	$783,650
315	313	D91	O_91	Dry Well	0.30	45%	0.013	0.013	$50,000	$192,100	$50,000	3	2	0	5	39%	Low	$3,730,863	29	FY28-29	$733,650
316	314	R7	Linwood	Regional	5.49	82%	0.380	0.113	$1,362,500	$429,900	$429,900	3.8	2.13	2	7.93	91%	High	$3,797,703	29	FY28-29	$303,750
317	315	D32	O_32	Dry Well	0.16	84%	0.011	0.013	$50,000	$192,100	$50,000	3.8	0.88	0	4.68	28%	Low	$3,901,625	29	FY28-29	$253,750
318	316	D134	O_134	Dry Well	0.59	20%	0.016	0.013	$50,000	$192,100	$50,000	1	1.25	0	2.25	1%	Low	$3,985,911	29	FY28-29	$203,750
319	317	BR141		Bioretention	0.08	95%	0.007	0.004	$4,034	$18,763	$15,000	1.4	2.75	0	4.15	14%	Low	$4,040,896	29	FY28-29	$188,750
320	318	D72	O_72	Dry Well	0.34	37%	0.013	0.012	$50,000	$192,100	$50,000	2	1.88	0	3.88	9%	Low	$4,064,753	29	FY28-29	$138,750
321	319	BR109		Bioretention	0.14	95%	0.011	0.004	$6,814	$31,694	$15,000	3	1	0	4	12%	Low	$4,072,340	29	FY28-29	$123,750
322	320	BR64		Bioretention	0.08	95%	0.007	0.004	$3,926	$18,263	$15,000	4	2.13	0	6.13	70%	Medium	$4,151,740	29	FY28-29	$108,750
323	321	BR61		Bioretention	0.13	95%	0.011	0.004	$6,596	$30,678	$15,000	2.6	1	0	3.6	6%	Low	$4,207,189	29	FY28-29	$93,750
324	322	D92	O_92	Dry Well	0.18	70%	0.011	0.012	$50,000	$192,100	$50,000	3.6	1.5	0	5.1	43%	Low	$4,225,335	29	FY28-29	$43,750
325	323	D138	O_138	Dry Well	1.15	8%	0.021	0.012	$50,000	$192,100	$50,000	1.2	1.25	0	2.45	2%	Low	$4,292,660	30	FY29-30	$2,733,750
326	324	BR115		Bioretention	0.12	95%	0.010	0.003	$5,924	$27,552	$15,000	3.2	2.5	0	5.7	61%	Medium	$4,331,951	30	FY29-30	$2,718,750
327	325	BR233		Bioretention	0.13	95%	0.011	0.003	$6,362	$29,590	$15,000	3	1.88	0	4.88	34%	Low	$4,361,813	30	FY29-30	$2,703,750
328	326	BR238		Bioretention	0.11	95%	0.009	0.003	$5,208	$24,222	$15,000	1	0.88	0	1.88	0%	Low	$4,415,060	30	FY29-30	$2,688,750
329	327	D110	O_110	Dry Well	0.31	37%	0.012	0.011	$50,000	$192,100	$50,000	2.8	0.88	0	3.68	7%	Low	$4,444,013	30	FY29-30	$2,638,750
330	328	BR60		Bioretention	0.07	95%	0.006	0.003	$3,667	$17,058	$15,000	4	2.5	0	6.5	77%	Medium	$4,444,986	30	FY29-30	$2,623,750
331	329	D86	O_86	Dry Well	0.27	42%	0.011	0.011	$50,000	$192,100	$50,000	3	2	0	5	39%	Low	$4,500,018	30	FY29-30	$2,573,750
332	330	D93	O_93	Dry Well	0.18	64%	0.010	0.011	$50,000	$192,100	$50,000	3.4	1.5	0	4.9	36%	Low	$4,504,833	30	FY29-30	$2,523,750
333	331	D121	O_121	Dry Well	0.16	70%	0.010	0.011	$50,000	$192,100	$50,000	3.2	1.38	0	4.58	25%	Low	$4,505,043	30	FY29-30	$2,473,750
334	332	BR234		Bioretention	0.04	95%	0.004	0.003	$2,181	$10,146	$15,000	3.2	1.75	0	4.95	37%	Low	$4,584,838	30	FY29-30	$2,458,750
335	333	BR162		Bioretention	0.04	95%	0.003	0.003	$1,980	$9,211	$15,000	1.4	0.88	0	2.28	1%	Low	$4,633,236	30	FY29-30	$2,443,750
336	334	BR57		Bioretention	0.07	95%	0.006	0.003	$3,448	$16,037	$15,000	2.6	2.75	0	5.35	49%	Low	$4,727,960	30	FY29-30	$2,428,750
337	335	D125	O_125	Dry Well	0.21	50%	0.010	0.010	$50,000	$192,100	$50,000	2.6	1.38	0	3.98	11%	Low	$4,854,356	30	FY29-30	$2,378,750
338	336	BF4		Biofiltration	0.04	95%	0.003	0.003	$2,468	$9,211	$15,000	2.8	1.75	0	4.55	25%	Low	$4,884,487	30	FY29-30	$2,363,750
339	337	BF25		Biofiltration	0.04	95%	0.003	0.003	$2,468	$9,211	$15,000	2.8	1.75	0	4.55	25%	Low	$4,884,487	30	FY29-30	$2,348,750
340	338	D136	O_136	Dry Well	0.31	0%	0.004	0.010	$50,000	$192,100	$50,000	1.8	1.25	0	3.05	3%	Low	$5,016,851	30	FY29-30	$2,298,750
341	339	D87	O_87	Dry Well	0.15	70%	0.009	0.010	$50,000	$192,100	$50,000	3.4	1.5	0	4.9	36%	Low	$5,106,784	30	FY29-30	$2,248,750
342	340	BF15		Biofiltration	0.04	95%	0.003	0.003	$2,255	$8,418	$15,000	2.8	2.63	0	5.43	52%	Medium	$5,344,789	30	FY29-30	$2,233,750
343	341	BR79		Bioretention	0.06	95%	0.005	0.003	$3,000	$13,952	$15,000	3.2	2.5	0	5.7	61%	Medium	$5,434,263	30	FY29-30	$2,218,750
344	342	D48	O_48	Dry Well	0.10	96%	0.008	0.009	$50,000	$192,100	$50,000	3	1.88	0	4.88	34%	Low	$5,479,926	30	FY29-30	$2,168,750
345	343	BF14		Biofiltration	0.04	95%	0.003	0.003	$2,194	$8,188	$15,000	1.8	2.63	0	4.43	21%	Low	$5,495,049	30	FY29-30	$2,153,750

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V
2	Rank by Cost Effectiveness	SITE ID	Name	Type	Drainage Area (acres)	% Imp	Storage Capacity (ac-ft)	EWMP Equiv. Volume (ac-ft)	Cost Est. (EWMP Eqs)	Cost Estimate (Regression)	Selected Cost (Min $15,000)	Normalized Suitability Score	Normalized Multi-Benefit Score	Normalized EWMP Volume Score	Final Score (out of 15)	Score Percentile	Score Bracket	Cost Effectiveness ($/EWMP Vol)	Fiscal Year	Fiscal Year	Annual Remainder
346	344	BF20		Biofiltration	0.03	95%	0.003	0.003	$2,124	$7,926	$15,000	3.2	2	0	5.2	45%	Low	$5,682,946	30	FY29-30	$2,138,750
347	345	D104	O_104	Dry Well	0.15	58%	0.008	0.009	$50,000	$192,100	$50,000	3.2	1.38	0	4.58	25%	Low	$5,845,320	30	FY29-30	$2,088,750
348	346	BR76		Bioretention	0.03	95%	0.003	0.003	$1,540	$7,164	$15,000	3	1.25	0	4.25	17%	Low	$5,957,017	30	FY29-30	$2,073,750
349	347	D106	O_106	Dry Well	0.25	33%	0.009	0.008	$50,000	$192,100	$50,000	2.8	1.38	0	4.18	15%	Low	$5,973,196	30	FY29-30	$2,023,750
350	348	D101	O_101	Dry Well	0.21	40%	0.009	0.008	$50,000	$192,100	$50,000	2.8	0.88	0	3.68	7%	Low	$6,022,751	30	FY29-30	$1,973,750
351	349	BF5		Biofiltration	0.03	95%	0.003	0.002	$1,919	$7,164	$15,000	1.8	3.25	0	5.05	41%	Low	$6,280,055	30	FY29-30	$1,958,750
352	350	BF17		Biofiltration	0.03	95%	0.002	0.002	$1,758	$6,563	$15,000	3.2	2.25	0	5.45	53%	Medium	$6,495,953	30	FY29-30	$1,943,750
353	351	D120	O_120	Dry Well	0.21	36%	0.008	0.008	$50,000	$192,100	$50,000	2.8	1.38	0	4.18	15%	Low	$6,513,661	30	FY29-30	$1,893,750
354	352	D85	O_85	Dry Well	0.14	55%	0.007	0.007	$50,000	$192,100	$50,000	3.2	2	0	5.2	45%	Low	$6,750,179	30	FY29-30	$1,843,750
355	353	D109	O_109	Dry Well	0.21	33%	0.007	0.007	$50,000	$192,100	$50,000	2.8	1.38	0	4.18	15%	Low	$7,228,813	30	FY29-30	$1,793,750
356	354	BR258		Bioretention	0.02	95%	0.002	0.002	$1,166	$5,425	$15,000	2.8	2.88	0	5.68	60%	Medium	$7,409,138	30	FY29-30	$1,778,750
357	355	D70	O_70	Dry Well	0.08	81%	0.005	0.007	$50,000	$192,100	$50,000	3.8	1.75	0	5.55	56%	Medium	$7,468,052	30	FY29-30	$1,728,750
358	356	BR98		Bioretention	0.04	95%	0.004	0.002	$2,200	$10,235	$15,000	3.4	1.88	0	5.28	47%	Low	$7,545,780	30	FY29-30	$1,713,750
359	357	D135	O_135	Dry Well	0.38	16%	0.009	0.007	$50,000	$192,100	$50,000	1	1.25	0	2.25	1%	Low	$7,547,148	30	FY29-30	$1,663,750
360	358	BR92		Bioretention	0.04	95%	0.004	0.002	$2,109	$9,808	$15,000	3.4	2	0	5.4	51%	Medium	$7,730,660	30	FY29-30	$1,648,750
361	359	BF28		Biofiltration	0.02	95%	0.002	0.002	$1,371	$5,117	$15,000	2.8	2.25	0	5.05	41%	Low	$8,331,241	30	FY29-30	$1,633,750
362	360	BR86		Bioretention	0.02	95%	0.002	0.002	$1,027	$4,776	$15,000	2.8	2.88	0	5.68	60%	Medium	$8,416,432	30	FY29-30	$1,618,750
363	361	D67	O_67	Dry Well	0.13	47%	0.006	0.006	$50,000	$192,100	$50,000	3	0.88	0	3.88	9%	Low	$8,439,200	30	FY29-30	$1,568,750
364	362	BR52		Bioretention	0.06	95%	0.005	0.002	$2,927	$13,616	$15,000	2.2	1.75	0	3.95	10%	Low	$8,765,988	30	FY29-30	$1,553,750
365	363	D124	O_124	Dry Well	0.12	49%	0.005	0.006	$50,000	$192,100	$50,000	2.6	1.38	0	3.98	11%	Low	$8,860,522	30	FY29-30	$1,503,750
366	364	D115	O_115	Dry Well	0.10	59%	0.005	0.006	$50,000	$192,100	$50,000	3.2	1.38	0	4.58	25%	Low	$8,863,802	30	FY29-30	$1,453,750
367	365	BR209		Bioretention	0.04	95%	0.003	0.002	$1,834	$8,529	$15,000	3.2	1.5	0	4.7	29%	Low	$8,889,969	30	FY29-30	$1,438,750
368	366	D127	O_127	Dry Well	0.08	70%	0.005	0.006	$50,000	$192,100	$50,000	2.8	1.38	0	4.18	15%	Low	$8,947,849	30	FY29-30	$1,388,750
369	367	BR88		Bioretention	0.04	95%	0.003	0.002	$1,810	$8,418	$15,000	3	2.63	0	5.63	58%	Medium	$9,007,164	30	FY29-30	$1,373,750
370	368	BR200		Bioretention	0.04	95%	0.003	0.002	$1,810	$8,418	$15,000	3.2	2.63	0	5.83	64%	Medium	$9,007,164	30	FY29-30	$1,358,750
371	369	D88	O_88	Dry Well	0.09	60%	0.005	0.005	$50,000	$192,100	$50,000	3.4	1.5	0	4.9	36%	Low	$9,396,329	30	FY29-30	$1,308,750
372	370	D119	O_119	Dry Well	0.14	39%	0.005	0.005	$50,000	$192,100	$50,000	2.8	1.38	0	4.18	15%	Low	$9,414,967	30	FY29-30	$1,258,750
373	371	D137	O_137	Dry Well	0.50	8%	0.009	0.005	$50,000	$192,100	$50,000	2	1.25	0	3.25	4%	Low	$9,688,311	30	FY29-30	$1,208,750
374	372	BR186		Bioretention	0.02	95%	0.002	0.002	$1,005	$4,677	$15,000	4.4	2.5	0	6.9	84%	High	$9,946,765	30	FY29-30	$1,193,750
375	373	BR35		Bioretention	0.03	95%	0.003	0.001	$1,609	$7,483	$15,000	4	2.63	0	6.63	79%	Medium	$10,133,061	30	FY29-30	$1,178,750
376	374	BF19		Biofiltration	0.02	95%	0.001	0.001	$1,097	$4,094	$15,000	1.8	1.63	0	3.43	5%	Low	$10,414,049	30	FY29-30	$1,163,750
377	375	BR103		Bioretention	0.02	95%	0.002	0.001	$954	$4,435	$15,000	3.6	2.25	0	5.85	65%	Medium	$10,488,623	30	FY29-30	$1,148,750
378	376	BR165		Bioretention	0.03	95%	0.003	0.001	$1,540	$7,164	$15,000	2.6	2.13	0	4.73	30%	Low	$10,583,295	30	FY29-30	$1,133,750
379	377	D103	O_103	Dry Well	0.10	47%	0.005	0.005	$50,000	$192,100	$50,000	3	1.5	0	4.5	24%	Low	$10,724,188	30	FY29-30	$1,083,750
380	378	BR2	O_9	Bioretention	0.03	95%	0.002	0.001	$1,449	$6,737	$15,000	3	1.88	0	4.88	34%	Low	$11,253,657	30	FY29-30	$1,068,750
381	379	D76	O_76	Dry Well	0.05	87%	0.004	0.004	$50,000	$192,100	$50,000	3.8	2	0	5.8	63%	Medium	$11,268,491	30	FY29-30	$1,018,750
382	380	D108	O_108	Dry Well	0.09	52%	0.004	0.004	$50,000	$192,100	$50,000	3.2	1.38	0	4.58	25%	Low	$11,310,545	30	FY29-30	$968,750
383	381	BR177		Bioretention	0.05	95%	0.004	0.001	$2,239	$10,415	$15,000	3	1.63	0	4.63	27%	Low	$11,459,558	30	FY29-30	$953,750
384	382	BR12		Bioretention	0.03	95%	0.002	0.001	$1,363	$6,341	$15,000	3.6	0.88	0	4.48	22%	Low	$11,957,012	30	FY29-30	$938,750
385	383	D113	O_113	Dry Well	0.05	79%	0.004	0.004	$50,000	$192,100	$50,000	3.6	1.38	0	4.98	38%	Low	$12,185,957	30	FY29-30	$888,750
386	384	D116	O_116	Dry Well	0.06	75%	0.004	0.004	$50,000	$192,100	$50,000	3.6	1.38	0	4.98	38%	Low	$12,436,706	30	FY29-30	$838,750
387	385	D105	O_105	Dry Well	0.06	75%	0.004	0.004	$50,000	$192,100	$50,000	3.6	1.38	0	4.98	38%	Low	$12,604,373	30	FY29-30	$788,750
388	386	D30	O_30	Dry Well	0.66	3%	0.010	0.004	$50,000	$192,100	$50,000	1.8	1.88	0	3.68	7%	Low	$12,841,749	30	FY29-30	$738,750

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V
2	Rank by Cost Effectiveness	SITE ID	Name	Type	Drainage Area (acres)	% Imp	Storage Capacity (ac-ft)	EWMP Equiv. Volume (ac-ft)	Cost Est. (EWMP Eqs)	Cost Estimate (Regression)	Selected Cost (Min $15,000)	Normalized Suitability Score	Normalized Multi-Benefit Score	Normalized EWMP Volume Score	Final Score (out of 15)	Score Percentile	Score Bracket	Cost Effectiveness ($/EWMP Vol)	Fiscal Year	Fiscal Year	Annual Remainder
389	387	BR27		Bioretention	0.03	95%	0.002	0.001	$1,247	$5,800	$15,000	2.6	2.75	0	5.35	49%	Low	$13,073,490	30	FY29-30	$723,750
390	388	BR142		Bioretention	0.03	95%	0.002	0.001	$1,247	$5,800	$15,000	2.2	1.88	0	4.08	13%	Low	$13,073,490	30	FY29-30	$708,750
391	389	BF7		Biofiltration	0.01	95%	0.001	0.001	$823	$3,070	$15,000	1.6	1.5	0	3.1	3%	Low	$13,885,405	30	FY29-30	$693,750
392	390	D122	O_122	Dry Well	0.05	76%	0.003	0.003	$50,000	$192,100	$50,000	3.2	1.38	0	4.58	25%	Low	$14,973,588	30	FY29-30	$643,750
393	391	BF27		Biofiltration	0.01	95%	0.001	0.001	$743	$2,774	$15,000	1	1.13	0	2.13	0%	Low	$15,367,561	30	FY29-30	$628,750
394	392	BR160		Bioretention	0.03	95%	0.003	0.001	$1,619	$7,530	$15,000	1.8	1.75	0	3.55	6%	Low	$15,850,372	30	FY29-30	$613,750
395	393	BR10		Bioretention	0.02	95%	0.002	0.001	$1,027	$4,776	$15,000	4	1.13	0	5.13	44%	Low	$15,874,948	30	FY29-30	$598,750
396	394	BR250		Bioretention	0.02	95%	0.002	0.001	$1,027	$4,776	$15,000	2.2	2.75	0	4.95	37%	Low	$15,874,948	30	FY29-30	$583,750
397	395	D13	O_13	Dry Well	0.06	50%	0.003	0.003	$50,000	$192,100	$50,000	3.2	1.75	0	4.95	37%	Low	$16,575,055	30	FY29-30	$533,750
398	396	D95	O_95	Dry Well	0.13	22%	0.004	0.003	$50,000	$192,100	$50,000	2.8	1.5	0	4.3	19%	Low	$16,889,374	30	FY29-30	$483,750
399	397	D78	O_78	Dry Well	0.06	47%	0.003	0.003	$50,000	$192,100	$50,000	3	1.38	0	4.38	20%	Low	$17,131,790	30	FY29-30	$433,750
400	398	BR175		Bioretention	0.03	95%	0.003	0.001	$1,489	$6,923	$15,000	4	2.38	0	6.38	75%	Medium	$17,239,715	30	FY29-30	$418,750
401	399	D89	O_89	Dry Well	0.08	35%	0.003	0.003	$50,000	$192,100	$50,000	2.8	1.5	0	4.3	19%	Low	$18,153,289	30	FY29-30	$368,750
402	400	BR33		Bioretention	0.02	95%	0.002	0.001	$954	$4,435	$15,000	3	1.25	0	4.25	17%	Low	$18,192,381	30	FY29-30	$353,750
403	401	BR242		Bioretention	0.02	95%	0.001	0.001	$880	$4,094	$15,000	3.8	2.88	0	6.68	80%	Medium	$18,520,782	30	FY29-30	$338,750
404	402	BF18		Biofiltration	0.01	95%	0.001	0.001	$637	$2,378	$15,000	2.6	2.75	0	5.35	49%	Low	$18,920,545	30	FY29-30	$323,750
405	403	D81	O_81	Dry Well	0.04	68%	0.002	0.003	$50,000	$192,100	$50,000	3.4	1.38	0	4.78	31%	Low	$19,151,663	30	FY29-30	$273,750
406	404	BR138		Bioretention	0.03	95%	0.002	0.001	$1,320	$6,141	$15,000	4	2.13	0	6.13	70%	Medium	$19,436,522	30	FY29-30	$258,750
407	405	D68	O_68	Dry Well	0.04	68%	0.002	0.002	$50,000	$192,100	$50,000	3.4	2	0	5.4	51%	Medium	$20,859,994	30	FY29-30	$208,750
408	406	BR256		Bioretention	0.02	95%	0.001	0.001	$778	$3,617	$15,000	4.4	1.13	0	5.53	56%	Medium	$20,962,515	30	FY29-30	$193,750
409	407	BR85		Bioretention	0.02	95%	0.002	0.001	$1,108	$5,152	$15,000	3.6	2.5	0	6.1	69%	Medium	$23,165,952	30	FY29-30	$178,750
410	408	BR131		Bioretention	0.01	95%	0.001	0.001	$440	$2,047	$15,000	3	1	0	4	12%	Low	$24,460,005	30	FY29-30	$163,750
411	409	BR194		Bioretention	0.02	95%	0.002	0.001	$1,027	$4,776	$15,000	4	1.88	0	5.88	66%	Medium	$24,487,757	30	FY29-30	$148,750
412	410	BR42		Bioretention	0.01	95%	0.001	0.001	$660	$3,070	$15,000	3.6	2	0	5.6	57%	Medium	$24,694,366	30	FY29-30	$133,750
413	411	BR240		Bioretention	0.01	95%	0.001	0.001	$660	$3,070	$15,000	3.2	1.25	0	4.45	21%	Low	$24,694,366	30	FY29-30	$118,750
414	412	BR46		Bioretention	0.01	95%	0.001	0.001	$367	$1,706	$15,000	4	1	0	5	39%	Low	$25,278,911	30	FY29-30	$103,750
415	413	D82	O_82	Dry Well	0.03	60%	0.002	0.002	$50,000	$192,100	$50,000	3.4	1.38	0	4.78	31%	Low	$25,694,047	30	FY29-30	$53,750
416	414	BR163		Bioretention	0.01	95%	0.001	0.001	$660	$3,070	$15,000	3.6	1.25	0	4.85	33%	Low	$26,277,894	30	FY29-30	$38,750
417	415	BR32		Bioretention	0.01	95%	0.001	0.001	$587	$2,729	$15,000	3.2	2.38	0	5.58	57%	Medium	$27,781,173	30	FY29-30	$23,750
418	416	D112	O_112	Dry Well	0.07	25%	0.002	0.002	$50,000	$192,100	$50,000	2.8	1.38	0	4.18	15%	Low	$28,046,090	31	FY30-31	$2,713,750
419	417	D84	O_84	Dry Well	0.09	18%	0.002	0.002	$50,000	$192,100	$50,000	2.8	2	0	4.8	32%	Low	$29,588,406	31	FY30-31	$2,663,750
420	418	D99	O_99	Dry Well	0.07	22%	0.002	0.001	$50,000	$192,100	$50,000	2.8	0.88	0	3.68	7%	Low	$33,437,321	31	FY30-31	$2,613,750
421	419	D132	O_132	Dry Well	0.53	0%	0.007	0.001	$50,000	$192,100	$50,000	1.8	1.88	0	3.68	7%	Low	$35,692,645	31	FY30-31	$2,563,750
422	420	BR261		Bioretention	0.01	95%	0.001	0.000	$682	$3,171	$15,000	3.4	2.13	0	5.53	56%	Medium	$37,644,650	31	FY30-31	$2,548,750
423	421	D117	O_117	Dry Well	0.03	44%	0.001	0.001	$50,000	$192,100	$50,000	3	1.38	0	4.38	20%	Low	$38,219,275	31	FY30-31	$2,498,750
424	422	BR82		Bioretention	0.01	95%	0.001	0.000	$660	$3,070	$15,000	3.2	1.63	0	4.83	32%	Low	$38,872,994	31	FY30-31	$2,483,750
425	423	D74	O_74	Dry Well	0.41	0%	0.005	0.001	$50,000	$192,100	$50,000	2	1.25	0	3.25	4%	Low	$46,361,685	31	FY30-31	$2,433,750
426	424	BR180		Bioretention	0.01	95%	0.001	0.000	$513	$2,388	$15,000	3.2	1.63	0	4.83	32%	Low	$49,979,675	31	FY30-31	$2,418,750
427	425	BR205		Bioretention	0.01	95%	0.001	0.000	$513	$2,388	$15,000	3.6	2.5	0	6.1	69%	Medium	$49,979,675	31	FY30-31	$2,403,750
428	426	D23	O_23	Dry Well	0.02	48%	0.001	0.001	$50,000	$192,100	$50,000	2.6	1.38	0	3.98	11%	Low	$50,321,855	31	FY30-31	$2,353,750
429	427	D77	O_77	Dry Well	0.03	29%	0.001	0.001	$50,000	$192,100	$50,000	2.8	2	0	4.8	32%	Low	$53,728,857	31	FY30-31	$2,303,750
430	428	D102	O_102	Dry Well	0.03	26%	0.001	0.001	$50,000	$192,100	$50,000	2.8	0.88	0	3.68	7%	Low	$56,405,095	31	FY30-31	$2,253,750
431	429	D83	O_83	Dry Well	0.02	38%	0.001	0.001	$50,000	$192,100	$50,000	2.8	1.38	0	4.18	15%	Low	$62,701,945	31	FY30-31	$2,203,750

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V
2	Rank by Cost Effectiveness	SITE ID	Name	Type	Drainage Area (acres)	% Imp	Storage Capacity (ac-ft)	EWMP Equiv. Volume (ac-ft)	Cost Est. (EWMP Eqs)	Cost Estimate (Regression)	Selected Cost (Min $15,000)	Normalized Suitability Score	Normalized Multi-Benefit Score	Normalized EWMP Volume Score	Final Score (out of 15)	Score Percentile	Score Bracket	Cost Effectiveness ($/EWMP Vol)	Fiscal Year	Fiscal Year	Annual Remainder
432	430	BR139		Bioretention	0.01	95%	0.001	0.000	$440	$2,047	$15,000	2.6	2.25	0	4.85	33%	Low	$63,054,353	31	FY30-31	$2,188,750
433	431	D10	O_10	Dry Well	0.09	6%	0.001	0.001	$50,000	$192,100	$50,000	2.4	1.38	0	3.78	9%	Low	$70,744,686	31	FY30-31	$2,138,750
434	432	D100	O_100	Dry Well	0.00	100%	0.000	0.000	$50,000	$192,100	$50,000	3.8	0.88	0	4.68	28%	Low	$106,958,479	31	FY30-31	$2,088,750
435	433	D114	O_114	Dry Well	0.01	14%	0.000	0.000	$50,000	$192,100	$50,000	2.8	1.38	0	4.18	15%	Low	$234,396,542	31	FY30-31	$2,038,750
436	434	D34	O_34	Dry Well	0.02	0%	0.000	0.000	$50,000	$192,100	$50,000	2	1.75	0	3.75	9%	Low	$857,661,900	31	FY30-31	$1,988,750

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1	SCENARIO 2 - RANK BY EWMP EQUIVALENT VOLUME																
2	Rank by Equivalent Volume	SITE ID	Name	Type	Drainage Area (acres)	% Imp	Storage Cap (ac-ft)	EWMP Equivalent Volume (ac-ft)	Cost Estimate (EWMP Eqs)	Cost Estimate (Regression)	Selected Cost	Normalized Suitability Score	Normalized Multi-Benefit Score	Normalized EWMP Volume Score	Final Score (out of 15)	Score Percentile	Score Bracket
3	1	R4	High School	Regional	131.67	69%	7.932	2.389	$4,412,300	$8,966,800	$8,966,800	4.2	1.88	5	11.08	99%	High
4	2	R8	Syd Kronenthal	Regional	77.61	72%	4.840	2.057	$3,189,000	$5,471,500	$5,471,500	4.4	3.5	5	12.9	100%	High
5	3	R10	Veterans Park	Regional	78.07	90%	5.845	1.772	$3,550,600	$6,607,900	$6,607,900	3.6	2.63	5	11.23	99%	High
6	4	R2	Farragut	Regional	90.86	68%	5.413	1.629	$3,428,300	$6,119,100	$6,119,100	2.4	1.88	5	9.28	97%	High
7	5	R9	Tellefson	Regional	72.33	89%	5.365	1.623	$3,381,300	$6,065,100	$6,065,100	4	2.75	5	11.75	99%	High
8	6	R5	Linberg North	Regional	67.12	68%	3.999	1.547	$2,856,200	$4,520,700	$4,520,700	3.2	2.5	5	10.7	98%	High
9	7	R1	Blanco Park	Regional	65.47	58%	3.451	1.335	$2,742,800	$3,901,400	$3,901,400	4	1.75	4	9.75	98%	High
10	8	D28	O_28	Dry Well	11.98	90%	0.898	1.030	$550,000	$2,113,096	$550,000	4.6	2.25	4	10.85	99%	High
11	9	R3	Fox Hills	Regional	38.67	70%	2.359	0.837	$2,202,700	$2,666,600	$2,666,600	3.2	1.88	4	9.08	96%	High
12	10	D31	O_31	Dry Well	8.13	74%	0.519	0.580	$400,000	$1,536,797	$400,000	4.2	1.38	4	9.58	97%	High
13	11	BR251		Bioretention	9.86	95%	0.814	0.445	$483,559	$2,249,095	$483,559	3.8	0.75	3	7.55	89%	High
14	12	D50	O_50	Dry Well	11.12	37%	0.425	0.409	$550,000	$2,113,096	$550,000	2.6	1.88	3	7.48	87%	High
15	13	D36	O_36	Dry Well	8.03	50%	0.379	0.393	$400,000	$1,536,797	$400,000	3.4	1.75	3	8.15	93%	High
16	14	D129	O_129	Dry Well	5.58	66%	0.326	0.355	$250,000	$960,498	$250,000	4	1.38	3	8.38	94%	High
17	15	D18	O_18	Dry Well	6.39	54%	0.320	0.337	$300,000	$1,152,598	$300,000	3.8	1.88	3	8.68	95%	High
18	16	D73	O_73	Dry Well	9.36	35%	0.345	0.325	$450,000	$1,728,896	$450,000	2.6	1.88	3	7.48	87%	High
19	17	D142	O_142	Dry Well	4.27	78%	0.285	0.318	$200,000	$768,398	$200,000	3.6	1.75	3	8.35	94%	High
20	18	BR137		Bioretention	4.24	95%	0.350	0.312	$207,949	$967,196	$207,949	2	1.75	3	6.75	81%	High
21	19	D27	O_27	Dry Well	4.70	67%	0.277	0.304	$200,000	$768,398	$200,000	3.8	2.13	3	8.93	96%	High
22	20	BR225		Bioretention	3.97	95%	0.327	0.292	$194,487	$904,584	$194,487	3.4	2.5	3	8.9	95%	High
23	21	D25	O_25	Dry Well	5.23	54%	0.262	0.275	$250,000	$960,498	$250,000	3.8	1.38	3	8.18	93%	High
24	22	D7	O_7	Dry Well	5.01	56%	0.257	0.274	$250,000	$960,498	$250,000	3.8	1.38	3	8.18	93%	High
25	23	BR245		Bioretention	3.59	95%	0.296	0.264	$176,078	$818,963	$176,078	1.6	1.75	3	6.35	74%	Medium
26	24	D49	O_49	Dry Well	2.92	94%	0.227	0.261	$100,000	$384,199	$100,000	3.4	1.88	3	8.28	94%	High
27	25	BR146		Bioretention	3.53	95%	0.292	0.260	$173,218	$805,661	$173,218	1.6	3.13	3	7.73	90%	High
28	26	D44	O_44	Dry Well	4.39	61%	0.241	0.258	$200,000	$768,398	$200,000	3.8	1.25	3	8.05	92%	High
29	27	D75	O_75	Dry Well	3.64	1%	0.048	0.247	$150,000	$576,299	$150,000	2.4	1.25	3	6.65	80%	Medium
30	28	BR172		Bioretention	3.25	95%	0.268	0.239	$159,331	$741,070	$159,331	3.4	2.5	3	8.9	95%	High
31	29	D14	O_14	Dry Well	5.13	47%	0.232	0.238	$250,000	$960,498	$250,000	3.2	1.75	3	7.95	91%	High
32	30	D41	O_41	Dry Well	2.36	92%	0.180	0.228	$100,000	$384,199	$100,000	4.2	1.88	3	9.08	96%	High
33	31	D39	O_39	Dry Well	2.29	94%	0.178	0.225	$100,000	$384,199	$100,000	4.2	1.88	3	9.08	96%	High
34	32	BR50		Bioretention	2.77	95%	0.229	0.222	$135,815	$631,692	$135,815	2.2	1.88	3	7.08	85%	High
35	33	BF10		Biofiltration	2.91	95%	0.241	0.221	$178,045	$664,566	$178,045	1.6	2.63	3	7.23	86%	High
36	34	D4	O_4	Dry Well	2.37	98%	0.191	0.221	$100,000	$384,199	$100,000	3.4	1.75	3	8.15	93%	High
37	35	BR77		Bioretention	4.86	95%	0.401	0.219	$238,422	$1,108,932	$238,422	4.4	2.38	3	9.78	98%	High
38	36	D38	O_38	Dry Well	2.32	81%	0.159	0.204	$100,000	$384,199	$100,000	4.2	2.38	3	9.58	97%	High
39	37	D22	O_22	Dry Well	4.26	47%	0.192	0.197	$200,000	$768,398	$200,000	3	1.38	2	6.38	75%	Medium

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40	38	D46	O_46	Dry Well	2.68	77%	0.177	0.197	$100,000	$384,199	$100,000	3.6	1.75	2	7.35	87%	High
41	39	D5	O_5	Dry Well	2.35	88%	0.173	0.196	$100,000	$384,199	$100,000	4.2	2.25	2	8.45	95%	High
42	40	D35	O_35	Dry Well	2.82	71%	0.174	0.191	$100,000	$384,199	$100,000	3.6	1.75	2	7.35	87%	High
43	41	BR95		Bioretention	3.99	95%	0.329	0.180	$195,563	$909,590	$195,563	3	2.63	2	7.63	89%	High
44	42	D47	O_47	Dry Well	2.15	86%	0.155	0.176	$100,000	$384,199	$100,000	3.8	1.88	2	7.68	90%	High
45	43	R6	Linberg South	Regional	7.90	63%	0.443	0.171	$1,391,400	$501,200	$501,200	3.4	2.25	2	7.65	89%	High
46	44	BR170		Bioretention	2.28	95%	0.188	0.168	$111,691	$519,487	$111,691	2.6	1.13	2	5.73	62%	Medium
47	45	BR83		Bioretention	2.26	95%	0.187	0.166	$110,803	$515,361	$110,803	2.6	1.75	2	6.35	74%	Medium
48	46	D17	O_17	Dry Well	3.86	43%	0.164	0.165	$150,000	$576,299	$150,000	3	1.38	2	6.38	75%	Medium
49	47	BR102		Bioretention	2.16	95%	0.178	0.159	$105,815	$492,160	$105,815	3.4	2.38	2	7.78	91%	High
50	48	BR217		Bioretention	1.83	95%	0.151	0.159	$89,665	$417,042	$89,665	3	2.13	2	7.13	85%	High
51	49	BR227		Bioretention	3.46	95%	0.285	0.156	$169,402	$787,912	$169,402	4	1.5	2	7.5	88%	High
52	50	BR181		Bioretention	3.28	95%	0.270	0.148	$160,565	$746,808	$160,565	4	2	2	8	91%	High
53	51	BR31		Bioretention	5.03	95%	0.415	0.147	$246,624	$1,147,080	$246,624	3.4	2.75	2	8.15	93%	High
54	52	BF12		Biofiltration	1.91	95%	0.158	0.145	$116,781	$435,891	$116,781	3	1.5	2	6.5	77%	Medium
55	53	BR91		Bioretention	4.91	95%	0.405	0.141	$240,459	$1,118,408	$240,459	4.4	2.88	2	9.28	97%	High
56	54	BR188		Bioretention	3.11	95%	0.257	0.140	$152,363	$708,660	$152,363	3.6	2.5	2	8.1	92%	High
57	55	BR130		Bioretention	3.06	95%	0.253	0.138	$150,133	$698,288	$150,133	3	2.75	2	7.75	90%	High
58	56	BR89		Bioretention	3.06	95%	0.252	0.138	$149,901	$697,208	$149,901	4.4	2.5	2	8.9	95%	High
59	57	BR185		Bioretention	2.97	95%	0.245	0.134	$145,593	$677,172	$145,593	4.4	2.63	2	9.03	96%	High
60	58	BR26		Bioretention	1.80	95%	0.148	0.132	$88,085	$409,693	$88,085	2.6	1.25	2	5.85	65%	Medium
61	59	D29	O_29	Dry Well	2.56	52%	0.125	0.130	$100,000	$384,199	$100,000	3.2	1.63	2	6.83	82%	High
62	60	BF26		Biofiltration	1.68	95%	0.139	0.128	$102,605	$382,982	$102,605	1.6	2.63	2	6.23	72%	Medium
63	61	BR231		Bioretention	2.79	95%	0.231	0.126	$136,914	$636,805	$136,914	2.4	2.25	2	6.65	80%	Medium
64	62	D1	O_1	Dry Well	2.22	58%	0.117	0.125	$100,000	$384,199	$100,000	2.6	1.25	2	5.85	65%	Medium
65	63	BR168		Bioretention	1.59	95%	0.131	0.117	$77,710	$361,440	$77,710	3.6	1.88	2	7.48	87%	High
66	64	BR166		Bioretention	1.58	95%	0.131	0.116	$77,579	$360,829	$77,579	1.6	1.75	2	5.35	49%	Low
67	65	BR190		Bioretention	3.97	95%	0.328	0.116	$194,640	$905,295	$194,640	3.2	3.38	2	8.58	95%	High
68	66	D19	O_19	Dry Well	2.35	50%	0.111	0.116	$100,000	$384,199	$100,000	3.2	1.38	2	6.58	79%	Medium
69	67	D6	O_6	Dry Well	1.36	89%	0.101	0.116	$50,000	$192,100	$50,000	3	1.88	2	6.88	83%	High
70	68	D26	O_26	Dry Well	1.87	64%	0.106	0.115	$50,000	$192,100	$50,000	3.6	2.13	2	7.73	90%	High
71	69	R7	Linwood	Regional	5.49	82%	0.380	0.113	$1,362,500	$429,900	$429,900	3.8	2.13	2	7.93	91%	High
72	70	BR47		Bioretention	1.50	95%	0.124	0.111	$73,678	$342,685	$73,678	4.6	1.5	2	8.1	92%	High
73	71	BR184		Bioretention	2.42	95%	0.200	0.109	$118,742	$552,286	$118,742	2.6	2.5	2	7.1	85%	High
74	72	BR189		Bioretention	1.49	95%	0.123	0.109	$72,819	$338,692	$72,819	1.4	1.75	2	5.15	45%	Low
75	73	BR206		Bioretention	1.44	95%	0.119	0.106	$70,590	$328,325	$70,590	3.6	2.5	2	8.1	92%	High
76	74	BR254		Bioretention	1.33	95%	0.110	0.106	$65,337	$303,889	$65,337	2.8	1.63	2	6.43	76%	Medium
77	75	BR19		Bioretention	1.42	95%	0.117	0.105	$69,726	$324,304	$69,726	4	1.63	2	7.63	89%	High

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78	76	BR34		Bioretention	1.37	95%	0.113	0.101	$67,133	$312,245	$67,133	2.6	1.88	2	6.48	77%	Medium
79	77	BR121		Bioretention	2.20	95%	0.182	0.099	$107,915	$501,926	$107,915	3.4	2.25	1	6.65	80%	Medium
80	78	BR23		Bioretention	1.34	95%	0.111	0.099	$65,719	$305,666	$65,719	1.6	1.88	1	4.48	22%	Low
81	79	BF31		Biofiltration	1.23	95%	0.101	0.099	$75,024	$280,031	$75,024	2.8	2	1	5.8	63%	Medium
82	80	BR196		Bioretention	2.18	95%	0.180	0.098	$107,022	$497,775	$107,022	2.6	2.38	1	5.98	67%	Medium
83	81	BR164		Bioretention	1.32	95%	0.109	0.097	$64,673	$300,803	$64,673	3	2.13	1	6.13	70%	Medium
84	82	BR155		Bioretention	2.14	95%	0.176	0.096	$104,677	$486,866	$104,677	3.2	2.5	1	6.7	81%	High
85	83	BR219		Bioretention	1.30	95%	0.107	0.095	$63,664	$296,112	$63,664	2.6	1.88	1	5.48	54%	Medium
86	84	D45	O_45	Dry Well	1.38	72%	0.086	0.095	$50,000	$192,100	$50,000	3.8	1.63	1	6.43	76%	Medium
87	85	D53	O_53	Dry Well	3.13	30%	0.104	0.095	$150,000	$576,299	$150,000	2.4	2.13	1	5.53	56%	Medium
88	86	BR202		Bioretention	2.10	95%	0.173	0.095	$102,755	$477,926	$102,755	3.6	2.75	1	7.35	87%	High
89	87	BR244		Bioretention	2.07	95%	0.171	0.094	$101,695	$472,997	$101,695	2.4	2.25	1	5.65	60%	Medium
90	88	D11	O_11	Dry Well	1.79	54%	0.090	0.093	$50,000	$192,100	$50,000	3.4	1.63	1	6.03	69%	Medium
91	89	BR169		Bioretention	2.06	95%	0.170	0.093	$101,217	$470,775	$101,217	2.6	1.13	1	4.73	30%	Low
92	90	BR193		Bioretention	1.31	95%	0.108	0.089	$64,013	$297,732	$64,013	3.6	1.75	1	6.35	74%	Medium
93	91	BR247		Bioretention	1.20	95%	0.099	0.088	$58,864	$273,782	$58,864	2.6	2.25	1	5.85	65%	Medium
94	92	D37	O_37	Dry Well	1.87	47%	0.084	0.087	$50,000	$192,100	$50,000	2.2	1.38	1	4.58	25%	Low
95	93	BR230		Bioretention	1.07	95%	0.089	0.086	$52,604	$244,666	$52,604	2.2	2.13	1	5.33	48%	Low
96	94	BR54		Bioretention	1.17	95%	0.096	0.086	$57,180	$265,951	$57,180	3.2	2.13	1	6.33	74%	Medium
97	95	D64	O_64	Dry Well	1.02	87%	0.075	0.085	$50,000	$192,100	$50,000	3.2	2.25	1	6.45	77%	Medium
98	96	BF11		Biofiltration	1.10	95%	0.090	0.083	$66,959	$249,929	$66,959	4	1.88	1	6.88	83%	High
99	97	D51	O_51	Dry Well	1.13	77%	0.075	0.083	$50,000	$192,100	$50,000	3.4	2.13	1	6.53	78%	Medium
100	98	BR114		Bioretention	1.13	95%	0.093	0.083	$55,257	$257,009	$55,257	2	2	1	5	39%	Low
101	99	D126	O_126	Dry Well	1.64	52%	0.080	0.083	$50,000	$192,100	$50,000	3.4	1.38	1	5.78	63%	Medium
102	100	BF13		Biofiltration	1.08	95%	0.089	0.082	$65,730	$245,343	$65,730	1.8	2.63	1	5.43	52%	Medium
103	101	D40	O_40	Dry Well	0.82	93%	0.063	0.080	$50,000	$192,100	$50,000	3.8	1.88	1	6.68	80%	Medium
104	102	BR135		Bioretention	1.08	95%	0.089	0.080	$53,144	$247,182	$53,144	3.6	2.25	1	6.85	82%	High
105	103	BR235		Bioretention	1.07	95%	0.089	0.079	$52,596	$244,632	$52,596	2.6	1.88	1	5.48	54%	Medium
106	104	BR96		Bioretention	1.07	95%	0.088	0.079	$52,440	$243,905	$52,440	2	1.88	1	4.88	34%	Low
107	105	BR223		Bioretention	1.74	95%	0.144	0.079	$85,422	$397,307	$85,422	2.6	2	1	5.6	57%	Medium
108	106	BR3		Bioretention	1.07	95%	0.088	0.078	$52,313	$243,314	$52,313	2.6	1.75	1	5.35	49%	Low
109	107	BR58		Bioretention	1.06	95%	0.087	0.078	$51,860	$241,210	$51,860	2.2	1.13	1	4.33	19%	Low
110	108	BR152		Bioretention	1.05	95%	0.087	0.077	$51,439	$239,251	$51,439	4.4	1.75	1	7.15	86%	High
111	109	BR29		Bioretention	1.70	95%	0.141	0.077	$83,505	$388,393	$83,505	2	1.63	1	4.63	27%	Low
112	110	D15	O_15	Dry Well	1.63	48%	0.075	0.076	$50,000	$192,100	$50,000	2.2	1.25	1	4.45	21%	Low
113	111	BR105		Bioretention	0.98	95%	0.081	0.072	$48,024	$223,364	$48,024	4	1.5	1	6.5	77%	Medium
114	112	BR78		Bioretention	0.97	95%	0.080	0.072	$47,695	$221,834	$47,695	2.2	2.5	1	5.7	61%	Medium
115	113	BF9		Biofiltration	0.93	95%	0.077	0.071	$57,109	$213,162	$57,109	3	2.25	1	6.25	73%	Medium

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116	114	BR207		Bioretention	0.96	95%	0.079	0.070	$46,846	$217,886	$46,846	2.2	0.5	1	3.7	8%	Low
117	115	BR241		Bioretention	1.56	95%	0.128	0.070	$76,304	$354,902	$76,304	2	2	1	5	39%	Low
118	116	BR221		Bioretention	2.43	95%	0.201	0.070	$119,223	$554,522	$119,223	3.4	2.5	1	6.9	84%	High
119	117	D140	O_140	Dry Well	0.81	90%	0.061	0.069	$50,000	$192,100	$50,000	3.4	2.38	1	6.78	82%	High
120	118	BR1		Bioretention	1.01	95%	0.084	0.069	$49,693	$231,131	$49,693	4	1.88	1	6.88	83%	High
121	119	BR14		Bioretention	1.51	95%	0.125	0.068	$74,012	$344,242	$74,012	2.6	2.63	1	6.23	72%	Medium
122	120	D131	O_131	Dry Well	1.42	49%	0.066	0.068	$50,000	$192,100	$50,000	2.8	2.38	1	6.18	71%	Medium
123	121	BR80		Bioretention	1.49	95%	0.123	0.067	$72,991	$339,491	$72,991	3.2	2.75	1	6.95	84%	High
124	122	BR128		Bioretention	0.97	95%	0.080	0.066	$47,673	$221,732	$47,673	3	1.88	1	5.88	66%	Medium
125	123	BF21		Biofiltration	0.87	95%	0.072	0.066	$53,088	$198,155	$53,088	3.6	1.38	1	5.98	67%	Medium
126	124	BF22		Biofiltration	0.86	95%	0.071	0.065	$52,234	$194,966	$52,234	2.6	1.5	1	5.1	43%	Low
127	125	BR65		Bioretention	0.88	95%	0.073	0.065	$43,253	$201,176	$43,253	3	0.88	1	4.88	34%	Low
128	126	BR153		Bioretention	0.86	95%	0.071	0.063	$41,928	$195,012	$41,928	2.8	1.75	1	5.55	56%	Medium
129	127	BR237		Bioretention	1.39	95%	0.115	0.063	$68,056	$316,536	$68,056	3.2	2.25	1	6.45	77%	Medium
130	128	BR204		Bioretention	0.85	95%	0.070	0.062	$41,621	$193,584	$41,621	2.8	1.25	1	5.05	41%	Low
131	129	BR68		Bioretention	1.37	95%	0.113	0.062	$67,347	$313,238	$67,347	3	2.25	1	6.25	73%	Medium
132	130	BR100		Bioretention	2.12	95%	0.175	0.062	$103,847	$483,007	$103,847	3.6	2.75	1	7.35	87%	High
133	131	D3	O_3	Dry Well	4.44	12%	0.093	0.062	$200,000	$768,398	$200,000	2.2	1.88	1	5.08	42%	Low
134	132	BR203		Bioretention	1.37	95%	0.113	0.062	$67,292	$312,983	$67,292	1.6	1.88	1	4.48	22%	Low
135	133	BR262		Bioretention	0.84	95%	0.069	0.062	$41,156	$191,424	$41,156	1.6	1.13	1	3.73	8%	Low
136	134	BR8		Bioretention	0.82	95%	0.067	0.060	$40,046	$186,261	$40,046	4.4	2.13	1	7.53	88%	High
137	135	BR122		Bioretention	2.02	95%	0.166	0.059	$98,800	$459,533	$98,800	3	3	1	7	85%	High
138	136	BR75		Bioretention	0.80	95%	0.066	0.058	$38,991	$181,354	$38,991	3.6	0.88	1	5.48	54%	Medium
139	137	BR239		Bioretention	0.79	95%	0.065	0.058	$38,772	$180,333	$38,772	3	1.88	1	5.88	66%	Medium
140	138	BR74		Bioretention	0.79	95%	0.065	0.058	$38,624	$179,646	$38,624	2.6	1.13	1	4.73	30%	Low
141	139	D60	O_60	Dry Well	0.99	53%	0.049	0.057	$50,000	$192,100	$50,000	3.2	2	1	6.2	71%	Medium
142	140	BR211		Bioretention	0.77	95%	0.064	0.057	$37,723	$175,457	$37,723	3.6	1.13	1	5.73	62%	Medium
143	141	D128	O_128	Dry Well	0.91	64%	0.052	0.056	$50,000	$192,100	$50,000	3.4	1.38	1	5.78	63%	Medium
144	142	D65	O_65	Dry Well	1.01	57%	0.053	0.056	$50,000	$192,100	$50,000	3.4	0.88	1	5.28	47%	Low
145	143	BR232		Bioretention	1.90	95%	0.157	0.056	$93,243	$433,687	$93,243	3.6	0.75	1	5.35	49%	Low
146	144	BR56		Bioretention	2.09	95%	0.173	0.055	$102,552	$476,985	$102,552	3	1.63	1	5.63	58%	Medium
147	145	BR134		Bioretention	0.75	95%	0.062	0.055	$36,775	$171,044	$36,775	2.8	2.38	1	6.18	71%	Medium
148	146	BF33		Biofiltration	0.72	95%	0.060	0.055	$44,042	$164,391	$44,042	2.8	1.63	1	5.43	52%	Medium
149	147	BR39		Bioretention	1.19	95%	0.098	0.054	$58,220	$270,788	$58,220	3.6	2.13	1	6.73	81%	High
150	148	BR179		Bioretention	0.64	95%	0.053	0.051	$31,203	$145,127	$31,203	2.4	1.25	1	4.65	28%	Low
151	149	BR145		Bioretention	1.11	95%	0.091	0.050	$54,190	$252,045	$54,190	2.2	2.25	0	4.45	21%	Low
152	150	BR108		Bioretention	0.67	95%	0.055	0.049	$32,943	$153,223	$32,943	2.2	1.88	0	4.08	13%	Low
153	151	D12	O_12	Dry Well	1.01	50%	0.047	0.049	$50,000	$192,100	$50,000	2.2	1.25	0	3.45	5%	Low

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2	Rank by Equivalent Volume	SITE ID	Name	Type	Drainage Area (acres)	% Imp	Storage Cap (ac-ft)	EWMP Equivalent Volume (ac-ft)	Cost Estimate (EWMP Eqs)	Cost Estimate (Regression)	Selected Cost	Normalized Suitability Score	Normalized Multi-Benefit Score	Normalized EWMP Volume Score	Final Score (out of 15)	Score Percentile	Score Bracket
154	152	BR69		Bioretention	0.66	95%	0.055	0.049	$32,591	$151,587	$32,591	2.4	2.5	0	4.9	36%	Low
155	153	BR158		Bioretention	0.65	95%	0.054	0.048	$31,868	$148,221	$31,868	3.6	1.13	0	4.73	30%	Low
156	154	BR201		Bioretention	0.64	95%	0.053	0.047	$31,610	$147,022	$31,610	4	1.88	0	5.88	66%	Medium
157	155	BR260		Bioretention	1.03	95%	0.085	0.046	$50,379	$234,321	$50,379	4	2	0	6	68%	Medium
158	156	BR16		Bioretention	1.01	95%	0.083	0.045	$49,322	$229,404	$49,322	3.4	2.25	0	5.65	60%	Medium
159	157	BR171		Bioretention	1.54	95%	0.128	0.045	$75,720	$352,183	$75,720	3.4	2.5	0	5.9	67%	Medium
160	158	BF34		Biofiltration	0.54	95%	0.045	0.041	$33,217	$123,985	$33,217	2	1.63	0	3.63	6%	Low
161	159	D139	O_139	Dry Well	0.90	46%	0.040	0.041	$50,000	$192,100	$50,000	2.6	2.5	0	5.1	43%	Low
162	160	D141	O_141	Dry Well	0.90	46%	0.040	0.041	$50,000	$192,100	$50,000	2.6	2.5	0	5.1	43%	Low
163	161	BR198		Bioretention	0.89	95%	0.073	0.040	$43,421	$201,957	$43,421	3.6	2.75	0	6.35	74%	Medium
164	162	BR183		Bioretention	0.53	95%	0.044	0.039	$26,206	$121,889	$26,206	3	0.88	0	3.88	9%	Low
165	163	BR62		Bioretention	1.34	95%	0.111	0.039	$65,848	$306,266	$65,848	3	3	0	6	68%	Medium
166	164	BR199		Bioretention	0.49	95%	0.040	0.039	$24,014	$111,692	$24,014	2.2	1.88	0	4.08	13%	Low
167	165	BR255		Bioretention	0.86	95%	0.071	0.039	$41,925	$195,001	$41,925	4	1.75	0	5.75	62%	Medium
168	166	BF8		Biofiltration	0.47	95%	0.039	0.038	$28,809	$107,530	$28,809	3.2	2.25	0	5.45	53%	Medium
169	167	BR15		Bioretention	0.47	95%	0.038	0.037	$22,841	$106,236	$22,841	2.2	1.88	0	4.08	13%	Low
170	168	D63	O_63	Dry Well	0.46	86%	0.033	0.037	$50,000	$192,100	$50,000	3	2.25	0	5.25	47%	Low
171	169	D133	O_133	Dry Well	1.23	30%	0.041	0.037	$50,000	$192,100	$50,000	1.2	1.25	0	2.45	2%	Low
172	170	D66	O_66	Dry Well	0.63	61%	0.035	0.037	$50,000	$192,100	$50,000	3	1.38	0	4.38	20%	Low
173	171	D61	O_61	Dry Well	0.51	75%	0.033	0.036	$50,000	$192,100	$50,000	2.6	1.88	0	4.48	22%	Low
174	172	BF3		Biofiltration	0.45	95%	0.037	0.036	$27,198	$101,519	$27,198	3.2	2.25	0	5.45	53%	Medium
175	173	BR72		Bioretention	0.48	95%	0.040	0.035	$23,479	$109,205	$23,479	3	1.75	0	4.75	31%	Low
176	174	D33	O_33	Dry Well	0.45	81%	0.031	0.035	$50,000	$192,100	$50,000	3.8	1	0	4.8	32%	Low
177	175	D59	O_59	Dry Well	0.41	79%	0.027	0.035	$50,000	$192,100	$50,000	3.6	1.88	0	5.48	54%	Medium
178	176	D62	O_62	Dry Well	0.42	88%	0.031	0.035	$50,000	$192,100	$50,000	3	2.25	0	5.25	47%	Low
179	177	BR11		Bioretention	0.47	95%	0.039	0.035	$23,121	$107,540	$23,121	3	0.88	0	3.88	9%	Low
180	178	BR220		Bioretention	1.18	95%	0.097	0.034	$57,605	$267,929	$57,605	4	3	0	7	85%	High
181	179	BR218		Bioretention	0.75	95%	0.062	0.034	$36,944	$171,833	$36,944	2.6	1.63	0	4.23	17%	Low
182	180	BF16		Biofiltration	0.45	95%	0.037	0.034	$27,237	$101,663	$27,237	3.6	1.5	0	5.1	43%	Low
183	181	D43	O_43	Dry Well	0.61	56%	0.032	0.033	$50,000	$192,100	$50,000	3.2	1.88	0	5.08	42%	Low
184	182	D130	O_130	Dry Well	0.92	36%	0.035	0.033	$50,000	$192,100	$50,000	2	1.88	0	3.88	9%	Low
185	183	BR21		Bioretention	0.41	95%	0.033	0.032	$19,874	$92,436	$19,874	3.6	2.13	0	5.73	62%	Medium
186	184	BR150		Bioretention	0.44	95%	0.036	0.032	$21,375	$99,417	$21,375	2.4	1.13	0	3.53	5%	Low
187	185	BR90		Bioretention	0.70	95%	0.058	0.032	$34,367	$159,844	$34,367	2.2	1.88	0	4.08	13%	Low
188	186	D123	O_123	Dry Well	0.63	51%	0.030	0.031	$50,000	$192,100	$50,000	2.8	1.38	0	4.18	15%	Low
189	187	BR104		Bioretention	0.42	95%	0.035	0.031	$20,739	$96,458	$20,739	4	1.13	0	5.13	44%	Low
190	188	BR129		Bioretention	1.06	95%	0.088	0.031	$52,054	$242,111	$52,054	3.2	0.75	0	3.95	10%	Low
191	189	BR161		Bioretention	0.39	95%	0.032	0.031	$18,994	$88,344	$18,994	4	2.25	0	6.25	73%	Medium

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192	190	BR13		Bioretention	0.38	95%	0.032	0.030	$18,754	$87,230	$18,754	3	2.38	0	5.38	51%	Medium
193	191	D21	O_21	Dry Well	0.51	61%	0.028	0.030	$50,000	$192,100	$50,000	3.4	2.25	0	5.65	60%	Medium
194	192	BR228		Bioretention	0.66	95%	0.055	0.030	$32,483	$151,084	$32,483	2.4	1.25	0	3.65	6%	Low
195	193	BR49		Bioretention	0.40	95%	0.033	0.029	$19,533	$90,849	$19,533	3.4	1.13	0	4.53	24%	Low
196	194	BR215		Bioretention	0.65	95%	0.053	0.029	$31,623	$147,085	$31,623	4	2	0	6	68%	Medium
197	195	D24	O_24	Dry Well	0.36	83%	0.025	0.029	$50,000	$192,100	$50,000	3.8	2	0	5.8	63%	Medium
198	196	D57	O_57	Dry Well	0.37	82%	0.025	0.029	$50,000	$192,100	$50,000	2.8	1.88	0	4.68	28%	Low
199	197	BF6		Biofiltration	0.37	95%	0.031	0.028	$22,661	$84,583	$22,661	3.6	1.75	0	5.35	49%	Low
200	198	BR6		Bioretention	0.62	95%	0.051	0.028	$30,486	$141,796	$30,486	4	2.38	0	6.38	75%	Medium
201	199	D71	O_71	Dry Well	0.49	59%	0.026	0.028	$50,000	$192,100	$50,000	2.4	1.88	0	4.28	18%	Low
202	200	BR4		Bioretention	0.38	95%	0.031	0.028	$18,579	$86,414	$18,579	1.8	1.13	0	2.93	2%	Low
203	201	BF24		Biofiltration	0.34	95%	0.028	0.028	$21,001	$78,388	$21,001	1.2	1.63	0	2.83	2%	Low
204	202	BR113		Bioretention	0.60	95%	0.050	0.027	$29,612	$137,728	$29,612	3	2.63	0	5.63	58%	Medium
205	203	BR136		Bioretention	0.31	95%	0.026	0.027	$15,348	$71,386	$15,348	3	3.13	0	6.13	70%	Medium
206	204	BR132		Bioretention	0.59	95%	0.049	0.027	$28,883	$134,340	$28,883	3.2	1.13	0	4.33	19%	Low
207	205	BR208		Bioretention	0.90	95%	0.074	0.026	$43,999	$204,647	$43,999	4.4	2.13	0	6.53	79%	Medium
208	206	D52	O_52	Dry Well	0.28	96%	0.022	0.026	$50,000	$192,100	$50,000	2.8	2.5	0	5.3	48%	Low
209	207	BR44		Bioretention	0.57	95%	0.047	0.026	$28,049	$130,461	$28,049	4	2.75	0	6.75	81%	High
210	208	BF29		Biofiltration	0.34	95%	0.028	0.025	$20,505	$76,538	$20,505	3.2	1.75	0	4.95	37%	Low
211	209	BR40		Bioretention	0.85	95%	0.070	0.025	$41,774	$194,295	$41,774	4	3.13	0	7.13	85%	High
212	210	D16	O_16	Dry Well	0.40	65%	0.023	0.025	$50,000	$192,100	$50,000	3.4	1.38	0	4.78	31%	Low
213	211	D79	O_79	Dry Well	0.41	62%	0.023	0.025	$50,000	$192,100	$50,000	3.4	1.38	0	4.78	31%	Low
214	212	BR22		Bioretention	0.54	95%	0.045	0.025	$26,657	$123,985	$26,657	3.2	2.63	0	5.83	64%	Medium
215	213	BR111		Bioretention	0.33	95%	0.027	0.024	$16,096	$74,864	$16,096	3.2	2.5	0	5.7	61%	Medium
216	214	D80	O_80	Dry Well	0.41	61%	0.022	0.024	$50,000	$192,100	$50,000	3.4	2	0	5.4	51%	Medium
217	215	BR140		Bioretention	0.33	95%	0.027	0.024	$16,014	$74,484	$16,014	2.8	1.5	0	4.3	19%	Low
218	216	BR5		Bioretention	0.30	95%	0.025	0.024	$14,673	$68,246	$15,000	3.2	1.88	0	5.08	42%	Low
219	217	BR81		Bioretention	0.28	95%	0.023	0.023	$13,512	$62,847	$15,000	4	3.25	0	7.25	86%	High
220	218	BF1		Biofiltration	0.31	95%	0.025	0.023	$18,790	$70,133	$18,790	1.2	0.88	0	2.08	0%	Low
221	219	BR9		Bioretention	0.51	95%	0.042	0.023	$25,211	$117,260	$25,211	4	2.75	0	6.75	81%	High
222	220	D2	O_2	Dry Well	0.37	65%	0.021	0.023	$50,000	$192,100	$50,000	2.6	2.13	0	4.73	30%	Low
223	221	BR249		Bioretention	0.51	95%	0.042	0.023	$25,035	$116,439	$25,035	3.2	3	0	6.2	71%	Medium
224	222	BR73		Bioretention	0.31	95%	0.025	0.023	$15,121	$70,330	$15,121	1.6	1.88	0	3.48	5%	Low
225	223	BR147		Bioretention	0.50	95%	0.041	0.022	$24,274	$112,900	$24,274	4	1.38	0	5.38	51%	Medium
226	224	BR154		Bioretention	0.74	95%	0.061	0.022	$36,455	$169,559	$36,455	3.2	0.75	0	3.95	10%	Low
227	225	BR48		Bioretention	0.48	95%	0.039	0.022	$23,426	$108,957	$23,426	3.6	1.75	0	5.35	49%	Low
228	226	BR41		Bioretention	0.48	95%	0.039	0.022	$23,422	$108,939	$23,422	3	2.38	0	5.38	51%	Medium
229	227	D107	O_107	Dry Well	0.42	51%	0.020	0.021	$50,000	$192,100	$50,000	3.2	1.38	0	4.58	25%	Low

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230	228	BR133		Bioretention	0.47	95%	0.039	0.021	$22,867	$106,359	$22,867	2.2	1.25	0	3.45	5%	Low
231	229	BR87		Bioretention	0.46	95%	0.038	0.021	$22,415	$104,256	$22,415	2.8	1.25	0	4.05	13%	Low
232	230	BR252		Bioretention	0.44	95%	0.037	0.020	$21,729	$101,066	$21,729	2.8	0.38	0	3.18	3%	Low
233	231	D58	O_58	Dry Well	0.47	43%	0.020	0.020	$50,000	$192,100	$50,000	3	1.5	0	4.5	24%	Low
234	232	BR7		Bioretention	0.44	95%	0.036	0.020	$21,424	$99,648	$21,424	3	1.88	0	4.88	34%	Low
235	233	BR97		Bioretention	0.43	95%	0.036	0.020	$21,279	$98,971	$21,279	4	2.88	0	6.88	83%	High
236	234	BR112		Bioretention	0.43	95%	0.036	0.019	$21,152	$98,382	$21,152	3.2	2.25	0	5.45	53%	Medium
237	235	BR63		Bioretention	0.43	95%	0.036	0.019	$21,084	$98,065	$21,084	3	2.63	0	5.63	58%	Medium
238	236	BR176		Bioretention	0.42	95%	0.034	0.019	$20,467	$95,194	$20,467	3.2	2.13	0	5.33	48%	Low
239	237	BR51		Bioretention	0.41	95%	0.034	0.018	$19,901	$92,561	$19,901	4	2.13	0	6.13	70%	Medium
240	238	BR38		Bioretention	0.23	95%	0.019	0.018	$11,166	$51,934	$15,000	3.2	1.88	0	5.08	42%	Low
241	239	D118	O_118	Dry Well	0.49	37%	0.019	0.018	$50,000	$192,100	$50,000	2.8	1.38	0	4.18	15%	Low
242	240	D9	O_9	Dry Well	0.34	54%	0.017	0.018	$50,000	$192,100	$50,000	3.2	1.63	0	4.83	32%	Low
243	241	BR117		Bioretention	0.24	95%	0.020	0.017	$11,666	$54,261	$15,000	3.6	2.63	0	6.23	72%	Medium
244	242	BR263		Bioretention	0.25	95%	0.021	0.017	$12,486	$58,074	$15,000	3.2	1.88	0	5.08	42%	Low
245	243	D42	O_42	Dry Well	0.30	60%	0.016	0.017	$50,000	$192,100	$50,000	3.2	1.63	0	4.83	32%	Low
246	244	BR43		Bioretention	0.38	95%	0.031	0.017	$18,587	$86,451	$18,587	4.4	3.63	0	8.03	92%	High
247	245	BR59		Bioretention	0.58	95%	0.048	0.017	$28,313	$131,685	$28,313	2.4	2.63	0	5.03	40%	Low
248	246	BR118		Bioretention	0.37	95%	0.031	0.017	$18,212	$84,708	$18,212	2.6	2.25	0	4.85	33%	Low
249	247	D8	O_8	Dry Well	0.38	44%	0.016	0.016	$50,000	$192,100	$50,000	3	1.63	0	4.63	27%	Low
250	248	BR243		Bioretention	0.36	95%	0.030	0.016	$17,760	$82,602	$17,760	3.2	1.13	0	4.33	19%	Low
251	249	BR126		Bioretention	0.36	95%	0.030	0.016	$17,579	$81,762	$17,579	4	2.5	0	6.5	77%	Medium
252	250	BR159		Bioretention	0.36	95%	0.029	0.016	$17,482	$81,311	$17,482	3.4	1.63	0	5.03	40%	Low
253	251	BR99		Bioretention	0.36	95%	0.029	0.016	$17,446	$81,141	$17,446	4.4	2.5	0	6.9	84%	High
254	252	BR119		Bioretention	0.52	95%	0.043	0.015	$25,629	$119,206	$25,629	2.6	2.63	0	5.23	46%	Low
255	253	BR156		Bioretention	0.21	95%	0.017	0.015	$10,176	$47,329	$15,000	2.2	1.75	0	3.95	10%	Low
256	254	BR18		Bioretention	0.34	95%	0.028	0.015	$16,492	$76,706	$16,492	4	2.63	0	6.63	79%	Medium
257	255	D56	O_56	Dry Well	0.17	92%	0.013	0.015	$50,000	$192,100	$50,000	2.8	1.88	0	4.68	28%	Low
258	256	BR53		Bioretention	0.33	95%	0.027	0.015	$16,259	$75,621	$16,259	2.2	2.25	0	4.45	21%	Low
259	257	BR253		Bioretention	0.32	95%	0.026	0.014	$15,455	$71,882	$15,455	2.2	1.88	0	4.08	13%	Low
260	258	D69	O_69	Dry Well	0.26	50%	0.012	0.014	$50,000	$192,100	$50,000	3.2	1.88	0	5.08	42%	Low
261	259	BR222		Bioretention	0.52	95%	0.043	0.014	$25,499	$118,601	$25,499	2.2	1	0	3.2	4%	Low
262	260	D20	O_20	Dry Well	0.23	60%	0.013	0.014	$50,000	$192,100	$50,000	2.4	1.25	0	3.65	6%	Low
263	261	BR197		Bioretention	0.46	95%	0.038	0.014	$22,789	$105,997	$22,789	4.4	1.5	0	5.9	67%	Medium
264	262	BR110		Bioretention	0.46	95%	0.038	0.014	$22,761	$105,866	$22,761	3.4	2	0	5.4	51%	Medium
265	263	D91	O_91	Dry Well	0.30	45%	0.013	0.013	$50,000	$192,100	$50,000	3	2	0	5	39%	Low
266	264	BR25		Bioretention	0.18	95%	0.015	0.013	$8,869	$41,249	$15,000	2.6	1.88	0	4.48	22%	Low
267	265	BR24		Bioretention	0.29	95%	0.024	0.013	$14,237	$66,219	$15,000	2.6	2.88	0	5.48	54%	Medium

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
2	Rank by Equivalent Volume	SITE ID	Name	Type	Drainage Area (acres)	% Imp	Storage Cap (ac-ft)	EWMP Equivalent Volume (ac-ft)	Cost Estimate (EWMP Eqs)	Cost Estimate (Regression)	Selected Cost	Normalized Suitability Score	Normalized Multi-Benefit Score	Normalized EWMP Volume Score	Final Score (out of 15)	Score Percentile	Score Bracket
268	266	BR224		Bioretention	0.45	95%	0.038	0.013	$22,278	$103,617	$22,278	4.4	3.25	0	7.65	89%	High
269	267	D32	O_32	Dry Well	0.16	84%	0.011	0.013	$50,000	$192,100	$50,000	3.8	0.88	0	4.68	28%	Low
270	268	BR30		Bioretention	0.44	95%	0.036	0.013	$21,452	$99,778	$21,452	3	2.13	0	5.13	44%	Low
271	269	BR106		Bioretention	0.19	95%	0.015	0.013	$9,158	$42,595	$15,000	4	1.63	0	5.63	58%	Medium
272	270	D134	O_134	Dry Well	0.59	20%	0.016	0.013	$50,000	$192,100	$50,000	1	1.25	0	2.25	1%	Low
273	271	D72	O_72	Dry Well	0.34	37%	0.013	0.012	$50,000	$192,100	$50,000	2	1.88	0	3.88	9%	Low
274	272	BR151		Bioretention	0.27	95%	0.022	0.012	$13,350	$62,094	$15,000	4	2.25	0	6.25	73%	Medium
275	273	D92	O_92	Dry Well	0.18	70%	0.011	0.012	$50,000	$192,100	$50,000	3.6	1.5	0	5.1	43%	Low
276	274	D138	O_138	Dry Well	1.15	8%	0.021	0.012	$50,000	$192,100	$50,000	1.2	1.25	0	2.45	2%	Low
277	275	BR182		Bioretention	0.25	95%	0.021	0.011	$12,479	$58,041	$15,000	3.6	1.88	0	5.48	54%	Medium
278	276	D110	O_110	Dry Well	0.31	37%	0.012	0.011	$50,000	$192,100	$50,000	2.8	0.88	0	3.68	7%	Low
279	277	BR144		Bioretention	0.25	95%	0.020	0.011	$12,099	$56,273	$15,000	2	2.63	0	4.63	27%	Low
280	278	D86	O_86	Dry Well	0.27	42%	0.011	0.011	$50,000	$192,100	$50,000	3	2	0	5	39%	Low
281	279	D93	O_93	Dry Well	0.18	64%	0.010	0.011	$50,000	$192,100	$50,000	3.4	1.5	0	4.9	36%	Low
282	280	D121	O_121	Dry Well	0.16	70%	0.010	0.011	$50,000	$192,100	$50,000	3.2	1.38	0	4.58	25%	Low
283	281	BF2		Biofiltration	0.14	95%	0.011	0.011	$8,388	$31,309	$15,000	3.2	2.13	0	5.33	48%	Low
284	282	BR45		Bioretention	0.13	95%	0.011	0.011	$6,336	$29,471	$15,000	1.8	3.25	0	5.05	41%	Low
285	283	BR214		Bioretention	0.23	95%	0.019	0.011	$11,508	$53,527	$15,000	2.2	3	0	5.2	45%	Low
286	284	BR17		Bioretention	0.23	95%	0.019	0.010	$11,208	$52,131	$15,000	3.2	1.25	0	4.45	21%	Low
287	285	D125	O_125	Dry Well	0.21	50%	0.010	0.010	$50,000	$192,100	$50,000	2.6	1.38	0	3.98	11%	Low
288	286	D136	O_136	Dry Well	0.31	0%	0.004	0.010	$50,000	$192,100	$50,000	1.8	1.25	0	3.05	3%	Low
289	287	BR259		Bioretention	0.15	95%	0.012	0.010	$7,127	$33,147	$15,000	4	1	0	5	39%	Low
290	288	BR94		Bioretention	0.31	95%	0.025	0.010	$15,110	$70,278	$15,110	1	0.88	0	1.88	0%	Low
291	289	BF32		Biofiltration	0.13	95%	0.011	0.010	$7,899	$29,485	$15,000	3.2	2	0	5.2	45%	Low
292	290	D87	O_87	Dry Well	0.15	70%	0.009	0.010	$50,000	$192,100	$50,000	3.4	1.5	0	4.9	36%	Low
293	291	BR127		Bioretention	0.13	95%	0.011	0.010	$6,381	$29,681	$15,000	3	1.88	0	4.88	34%	Low
294	292	BR70		Bioretention	0.13	95%	0.011	0.010	$6,336	$29,470	$15,000	1.8	1.13	0	2.93	2%	Low
295	293	BR148		Bioretention	0.13	95%	0.010	0.009	$6,217	$28,918	$15,000	3.8	1.75	0	5.55	56%	Medium
296	294	BR116		Bioretention	0.20	95%	0.017	0.009	$10,026	$46,632	$15,000	2	1.25	0	3.25	4%	Low
297	295	D48	O_48	Dry Well	0.10	96%	0.008	0.009	$50,000	$192,100	$50,000	3	1.88	0	4.88	34%	Low
298	296	BR71		Bioretention	0.32	95%	0.026	0.009	$15,589	$72,507	$15,589	1.6	1.38	0	2.98	3%	Low
299	297	BR107		Bioretention	0.12	95%	0.010	0.009	$5,976	$27,793	$15,000	4	2.13	0	6.13	70%	Medium
300	298	BR246		Bioretention	0.30	95%	0.025	0.009	$14,832	$68,987	$15,000	4	1.25	0	5.25	47%	Low
301	299	BR55		Bioretention	0.20	95%	0.016	0.009	$9,604	$44,671	$15,000	3.2	2.38	0	5.58	57%	Medium
302	300	BR236		Bioretention	0.20	95%	0.016	0.009	$9,563	$44,478	$15,000	3.6	2.88	0	6.48	77%	Medium
303	301	BR174		Bioretention	0.30	95%	0.025	0.009	$14,779	$68,740	$15,000	2.6	1.63	0	4.23	17%	Low
304	302	D104	O_104	Dry Well	0.15	58%	0.008	0.009	$50,000	$192,100	$50,000	3.2	1.38	0	4.58	25%	Low
305	303	BR84		Bioretention	0.11	95%	0.009	0.008	$5,583	$25,970	$15,000	4.2	2	0	6.2	71%	Medium

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306	304	D106	O_106	Dry Well	0.25	33%	0.009	0.008	$50,000	$192,100	$50,000	2.8	1.38	0	4.18	15%	Low
307	305	BR149		Bioretention	0.19	95%	0.015	0.008	$9,073	$42,199	$15,000	3	1.25	0	4.25	17%	Low
308	306	BR36		Bioretention	0.31	95%	0.026	0.008	$15,432	$71,777	$15,432	3.8	2	0	5.8	63%	Medium
309	307	D101	O_101	Dry Well	0.21	40%	0.009	0.008	$50,000	$192,100	$50,000	2.8	0.88	0	3.68	7%	Low
310	308	BR120		Bioretention	0.28	95%	0.023	0.008	$13,886	$64,585	$15,000	3	2.13	0	5.13	44%	Low
311	309	BR173		Bioretention	0.11	95%	0.009	0.008	$5,384	$25,044	$15,000	2.6	1.88	0	4.48	22%	Low
312	310	BR191		Bioretention	0.27	95%	0.023	0.008	$13,464	$62,623	$15,000	3.2	1.13	0	4.33	19%	Low
313	311	BR67		Bioretention	0.18	95%	0.015	0.008	$8,710	$40,514	$15,000	4	1.63	0	5.63	58%	Medium
314	312	D120	O_120	Dry Well	0.21	36%	0.008	0.008	$50,000	$192,100	$50,000	2.8	1.38	0	4.18	15%	Low
315	313	BR20		Bioretention	0.17	95%	0.014	0.008	$8,250	$38,374	$15,000	2.2	2.13	0	4.33	19%	Low
316	314	BR216		Bioretention	0.09	95%	0.008	0.008	$4,603	$21,410	$15,000	1	1.13	0	2.13	0%	Low
317	315	D85	O_85	Dry Well	0.14	55%	0.007	0.007	$50,000	$192,100	$50,000	3.2	2	0	5.2	45%	Low
318	316	BR210		Dry Well	0.53	0%	0.007	0.001	$50,000	$192,100	$50,000	1.8	1.88	0	3.68	7%	Low
319	317	BF30		Biofiltration	0.10	95%	0.008	0.007	$5,946	$22,194	$15,000	3.6	1.5	0	5.1	43%	Low
320	318	BR66		Bioretention	0.25	95%	0.021	0.007	$12,212	$56,798	$15,000	3.6	2.63	0	6.23	72%	Medium
321	319	BR37		Bioretention	0.23	95%	0.019	0.007	$11,104	$51,646	$15,000	1.4	0.88	0	2.28	1%	Low
322	320	BR187		Bioretention	0.15	95%	0.013	0.007	$7,539	$35,067	$15,000	2.6	2.88	0	5.48	54%	Medium
323	321	BR178		Bioretention	0.09	95%	0.008	0.007	$4,621	$21,493	$15,000	4.2	2	0	6.2	71%	Medium
324	322	D109	O_109	Dry Well	0.21	33%	0.007	0.007	$50,000	$192,100	$50,000	2.8	1.38	0	4.18	15%	Low
325	323	BR167		Bioretention	0.09	95%	0.008	0.007	$4,577	$21,290	$15,000	2.8	1.75	0	4.55	25%	Low
326	324	BR257		Bioretention	0.15	95%	0.012	0.007	$7,286	$33,889	$15,000	4	1.88	0	5.88	66%	Medium
327	325	D70	O_70	Dry Well	0.08	81%	0.005	0.007	$50,000	$192,100	$50,000	3.8	1.75	0	5.55	56%	Medium
328	326	D135	O_135	Dry Well	0.38	16%	0.009	0.007	$50,000	$192,100	$50,000	1	1.25	0	2.25	1%	Low
329	327	D67	O_67	Dry Well	0.13	47%	0.006	0.006	$50,000	$192,100	$50,000	3	0.88	0	3.88	9%	Low
330	328	BR195		Bioretention	0.13	95%	0.011	0.006	$6,283	$29,223	$15,000	4.4	2.25	0	6.65	80%	Medium
331	329	D124	O_124	Dry Well	0.12	49%	0.005	0.006	$50,000	$192,100	$50,000	2.6	1.38	0	3.98	11%	Low
332	330	D115	O_115	Dry Well	0.10	59%	0.005	0.006	$50,000	$192,100	$50,000	3.2	1.38	0	4.58	25%	Low
333	331	BR124		Bioretention	0.08	95%	0.006	0.006	$3,741	$17,399	$15,000	4.4	1.5	0	5.9	67%	Medium
334	332	D127	O_127	Dry Well	0.08	70%	0.005	0.006	$50,000	$192,100	$50,000	2.8	1.38	0	4.18	15%	Low
335	333	BF23		Biofiltration	0.02	95%	0.001	0.006	$1,097	$4,094	$15,000	3.2	1.38	0	4.58	25%	Low
336	334	BR28		Bioretention	0.18	95%	0.015	0.005	$8,937	$41,566	$15,000	3.2	0.75	0	3.95	10%	Low
337	335	D88	O_88	Dry Well	0.09	60%	0.005	0.005	$50,000	$192,100	$50,000	3.4	1.5	0	4.9	36%	Low
338	336	D119	O_119	Dry Well	0.14	39%	0.005	0.005	$50,000	$192,100	$50,000	2.8	1.38	0	4.18	15%	Low
339	337	BR157		Bioretention	0.07	95%	0.006	0.005	$3,521	$16,375	$15,000	3.6	1.25	0	4.85	33%	Low
340	338	D137	O_137	Dry Well	0.50	8%	0.009	0.005	$50,000	$192,100	$50,000	2	1.25	0	3.25	4%	Low
341	339	BR93		Bioretention	0.11	95%	0.009	0.005	$5,596	$26,026	$15,000	3.6	1.88	0	5.48	54%	Medium
342	340	BR229		Bioretention	0.11	95%	0.009	0.005	$5,491	$25,539	$15,000	3	2.63	0	5.63	58%	Medium
343	341	BR125		Bioretention	0.18	95%	0.015	0.005	$8,835	$41,094	$15,000	2.8	2.5	0	5.3	48%	Low

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344	342	BR101		Bioretention	0.11	95%	0.009	0.005	$5,208	$24,222	$15,000	3.6	2	0	5.6	57%	Medium
345	343	D103	O_103	Dry Well	0.10	47%	0.005	0.005	$50,000	$192,100	$50,000	3	1.5	0	4.5	24%	Low
346	344	BR213		Bioretention	0.10	95%	0.008	0.005	$4,990	$23,209	$15,000	2.6	1.63	0	4.23	17%	Low
347	345	D76	O_76	Dry Well	0.05	87%	0.004	0.004	$50,000	$192,100	$50,000	3.8	2	0	5.8	63%	Medium
348	346	D108	O_108	Dry Well	0.09	52%	0.004	0.004	$50,000	$192,100	$50,000	3.2	1.38	0	4.58	25%	Low
349	347	BR226		Bioretention	0.06	95%	0.005	0.004	$2,910	$13,535	$15,000	3.6	1.38	0	4.98	38%	Low
350	348	BR143		Bioretention	0.06	95%	0.005	0.004	$2,861	$13,305	$15,000	2.8	1.75	0	4.55	25%	Low
351	349	D113	O_113	Dry Well	0.05	79%	0.004	0.004	$50,000	$192,100	$50,000	3.6	1.38	0	4.98	38%	Low
352	350	BR248		Bioretention	0.09	95%	0.007	0.004	$4,406	$20,491	$15,000	3.6	2.38	0	5.98	67%	Medium
353	351	BR123		Bioretention	0.06	95%	0.005	0.004	$2,701	$12,565	$15,000	3	1.88	0	4.88	34%	Low
354	352	BR212		Bioretention	0.09	95%	0.007	0.004	$4,401	$20,469	$15,000	3	1.25	0	4.25	17%	Low
355	353	BR192		Bioretention	0.09	95%	0.008	0.004	$4,474	$20,810	$15,000	4	1.75	0	5.75	62%	Medium
356	354	D116	O_116	Dry Well	0.06	75%	0.004	0.004	$50,000	$192,100	$50,000	3.6	1.38	0	4.98	38%	Low
357	355	D105	O_105	Dry Well	0.06	75%	0.004	0.004	$50,000	$192,100	$50,000	3.6	1.38	0	4.98	38%	Low
358	356	D30	O_30	Dry Well	0.66	3%	0.010	0.004	$50,000	$192,100	$50,000	1.8	1.88	0	3.68	7%	Low
359	357	BR141		Bioretention	0.08	95%	0.007	0.004	$4,034	$18,763	$15,000	1.4	2.75	0	4.15	14%	Low
360	358	BR109		Bioretention	0.14	95%	0.011	0.004	$6,814	$31,694	$15,000	3	1	0	4	12%	Low
361	359	BR64		Bioretention	0.08	95%	0.007	0.004	$3,926	$18,263	$15,000	4	2.13	0	6.13	70%	Medium
362	360	BR61		Bioretention	0.13	95%	0.011	0.004	$6,596	$30,678	$15,000	2.6	1	0	3.6	6%	Low
363	361	BR115		Bioretention	0.12	95%	0.010	0.003	$5,924	$27,552	$15,000	3.2	2.5	0	5.7	61%	Medium
364	362	BR233		Bioretention	0.13	95%	0.011	0.003	$6,362	$29,590	$15,000	3	1.88	0	4.88	34%	Low
365	363	BR238		Bioretention	0.11	95%	0.009	0.003	$5,208	$24,222	$15,000	1	0.88	0	1.88	0%	Low
366	364	BR60		Bioretention	0.07	95%	0.006	0.003	$3,667	$17,058	$15,000	4	2.5	0	6.5	77%	Medium
367	365	D122	O_122	Dry Well	0.05	76%	0.003	0.003	$50,000	$192,100	$50,000	3.2	1.38	0	4.58	25%	Low
368	366	BR234		Bioretention	0.04	95%	0.004	0.003	$2,181	$10,146	$15,000	3.2	1.75	0	4.95	37%	Low
369	367	BR162		Bioretention	0.04	95%	0.003	0.003	$1,980	$9,211	$15,000	1.4	0.88	0	2.28	1%	Low
370	368	BR57		Bioretention	0.07	95%	0.006	0.003	$3,448	$16,037	$15,000	2.6	2.75	0	5.35	49%	Low
371	369	BF4		Biofiltration	0.04	95%	0.003	0.003	$2,468	$9,211	$15,000	2.8	1.75	0	4.55	25%	Low
372	370	BF25		Biofiltration	0.04	95%	0.003	0.003	$2,468	$9,211	$15,000	2.8	1.75	0	4.55	25%	Low
373	371	D13	O_13	Dry Well	0.06	50%	0.003	0.003	$50,000	$192,100	$50,000	3.2	1.75	0	4.95	37%	Low
374	372	D95	O_95	Dry Well	0.13	22%	0.004	0.003	$50,000	$192,100	$50,000	2.8	1.5	0	4.3	19%	Low
375	373	D78	O_78	Dry Well	0.06	47%	0.003	0.003	$50,000	$192,100	$50,000	3	1.38	0	4.38	20%	Low
376	374	BF15		Biofiltration	0.04	95%	0.003	0.003	$2,255	$8,418	$15,000	2.8	2.63	0	5.43	52%	Medium
377	375	BR79		Bioretention	0.06	95%	0.005	0.003	$3,000	$13,952	$15,000	3.2	2.5	0	5.7	61%	Medium
378	376	D89	O_89	Dry Well	0.08	35%	0.003	0.003	$50,000	$192,100	$50,000	2.8	1.5	0	4.3	19%	Low
379	377	BF14		Biofiltration	0.04	95%	0.003	0.003	$2,194	$8,188	$15,000	1.8	2.63	0	4.43	21%	Low
380	378	BF20		Biofiltration	0.03	95%	0.003	0.003	$2,124	$7,926	$15,000	3.2	2	0	5.2	45%	Low
381	379	D81	O_81	Dry Well	0.04	68%	0.002	0.003	$50,000	$192,100	$50,000	3.4	1.38	0	4.78	31%	Low

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
2	Rank by Equivalent Volume	SITE ID	Name	Type	Drainage Area (acres)	% Imp	Storage Cap (ac-ft)	EWMP Equivalent Volume (ac-ft)	Cost Estimate (EWMP Eqs)	Cost Estimate (Regression)	Selected Cost	Normalized Suitability Score	Normalized Multi-Benefit Score	Normalized EWMP Volume Score	Final Score (out of 15)	Score Percentile	Score Bracket
382	380	BR76		Bioretention	0.03	95%	0.003	0.003	$1,540	$7,164	$15,000	3	1.25	0	4.25	17%	Low
383	381	D68	O_68	Dry Well	0.04	68%	0.002	0.002	$50,000	$192,100	$50,000	3.4	2	0	5.4	51%	Medium
384	382	BF5		Biofiltration	0.03	95%	0.003	0.002	$1,919	$7,164	$15,000	1.8	3.25	0	5.05	41%	Low
385	383	BF17		Biofiltration	0.03	95%	0.002	0.002	$1,758	$6,563	$15,000	3.2	2.25	0	5.45	53%	Medium
386	384	BR258		Bioretention	0.02	95%	0.002	0.002	$1,166	$5,425	$15,000	2.8	2.88	0	5.68	60%	Medium
387	385	BR98		Bioretention	0.04	95%	0.004	0.002	$2,200	$10,235	$15,000	3.4	1.88	0	5.28	47%	Low
388	386	D82	O_82	Dry Well	0.03	60%	0.002	0.002	$50,000	$192,100	$50,000	3.4	1.38	0	4.78	31%	Low
389	387	BR92		Bioretention	0.04	95%	0.004	0.002	$2,109	$9,808	$15,000	3.4	2	0	5.4	51%	Medium
390	388	BF28		Biofiltration	0.02	95%	0.002	0.002	$1,371	$5,117	$15,000	2.8	2.25	0	5.05	41%	Low
391	389	D112	O_112	Dry Well	0.07	25%	0.002	0.002	$50,000	$192,100	$50,000	2.8	1.38	0	4.18	15%	Low
392	390	BR86		Bioretention	0.02	95%	0.002	0.002	$1,027	$4,776	$15,000	2.8	2.88	0	5.68	60%	Medium
393	391	BR52		Bioretention	0.06	95%	0.005	0.002	$2,927	$13,616	$15,000	2.2	1.75	0	3.95	10%	Low
394	392	D84	O_84	Dry Well	0.09	18%	0.002	0.002	$50,000	$192,100	$50,000	2.8	2	0	4.8	32%	Low
395	393	BR209		Bioretention	0.04	95%	0.003	0.002	$1,834	$8,529	$15,000	3.2	1.5	0	4.7	29%	Low
396	394	BR88		Bioretention	0.04	95%	0.003	0.002	$1,810	$8,418	$15,000	3	2.63	0	5.63	58%	Medium
397	395	BR200		Bioretention	0.04	95%	0.003	0.002	$1,810	$8,418	$15,000	3.2	2.63	0	5.83	64%	Medium
398	396	BR186		Bioretention	0.02	95%	0.002	0.002	$1,005	$4,677	$15,000	4.4	2.5	0	6.9	84%	High
399	397	D99	O_99	Dry Well	0.07	22%	0.002	0.001	$50,000	$192,100	$50,000	2.8	0.88	0	3.68	7%	Low
400	398	BR35		Bioretention	0.03	95%	0.003	0.001	$1,609	$7,483	$15,000	4	2.63	0	6.63	79%	Medium
401	399	BF19		Biofiltration	0.02	95%	0.001	0.001	$1,097	$4,094	$15,000	1.8	1.63	0	3.43	5%	Low
402	400	BR103		Bioretention	0.02	95%	0.002	0.001	$954	$4,435	$15,000	3.6	2.25	0	5.85	65%	Medium
403	401	BR165		Bioretention	0.03	95%	0.003	0.001	$1,540	$7,164	$15,000	2.6	2.13	0	4.73	30%	Low
404	402	D132	O_132	Dry Well	0.53	0%	0.007	0.001	$50,000	$192,100	$50,000	1.8	1.88	0	3.68	7%	Low
405	403	BR2		Bioretention	0.03	95%	0.002	0.001	$1,449	$6,737	$15,000	3	1.88	0	4.88	34%	Low
406	404	BR177		Bioretention	0.05	95%	0.004	0.001	$2,239	$10,415	$15,000	3	1.63	0	4.63	27%	Low
407	405	D117	O_117	Dry Well	0.03	44%	0.001	0.001	$50,000	$192,100	$50,000	3	1.38	0	4.38	20%	Low
408	406	BR12		Bioretention	0.03	95%	0.002	0.001	$1,363	$6,341	$15,000	3.6	0.88	0	4.48	22%	Low
409	407	BR27		Bioretention	0.03	95%	0.002	0.001	$1,247	$5,800	$15,000	2.6	2.75	0	5.35	49%	Low
410	408	BR142		Bioretention	0.03	95%	0.002	0.001	$1,247	$5,800	$15,000	2.2	1.88	0	4.08	13%	Low
411	409	BF7		Biofiltration	0.01	95%	0.001	0.001	$823	$3,070	$15,000	1.6	1.5	0	3.1	3%	Low
412	410	D74	O_74	Dry Well	0.41	0%	0.005	0.001	$50,000	$192,100	$50,000	2	1.25	0	3.25	4%	Low
413	411	D23	O_23	Dry Well	0.02	48%	0.001	0.001	$50,000	$192,100	$50,000	2.6	1.38	0	3.98	11%	Low
414	412	BF27		Biofiltration	0.01	95%	0.001	0.001	$743	$2,774	$15,000	1	1.13	0	2.13	0%	Low
415	413	BR160		Bioretention	0.03	95%	0.003	0.001	$1,619	$7,530	$15,000	1.8	1.75	0	3.55	6%	Low
416	414	BR10		Bioretention	0.02	95%	0.002	0.001	$1,027	$4,776	$15,000	4	1.13	0	5.13	44%	Low
417	415	BR250		Bioretention	0.02	95%	0.002	0.001	$1,027	$4,776	$15,000	2.2	2.75	0	4.95	37%	Low
418	416	D77	O_77	Dry Well	0.03	29%	0.001	0.001	$50,000	$192,100	$50,000	2.8	2	0	4.8	32%	Low
419	417	D102	O_102	Dry Well	0.03	26%	0.001	0.001	$50,000	$192,100	$50,000	2.8	0.88	0	3.68	7%	Low

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
2	Rank by Equivalent Volume	SITE ID	Name	Type	Drainage Area (acres)	% Imp	Storage Cap (ac-ft)	EWMP Equivalent Volume (ac-ft)	Cost Estimate (EWMP Eqs)	Cost Estimate (Regression)	Selected Cost	Normalized Suitability Score	Normalized Multi-Benefit Score	Normalized EWMP Volume Score	Final Score (out of 15)	Score Percentile	Score Bracket
420	418	BR175		Bioretention	0.03	95%	0.003	0.001	$1,489	$6,923	$15,000	4	2.38	0	6.38	75%	Medium
421	419	BR33		Bioretention	0.02	95%	0.002	0.001	$954	$4,435	$15,000	3	1.25	0	4.25	17%	Low
422	420	BR242		Bioretention	0.02	95%	0.001	0.001	$880	$4,094	$15,000	3.8	2.88	0	6.68	80%	Medium
423	421	D83	O_83	Dry Well	0.02	38%	0.001	0.001	$50,000	$192,100	$50,000	2.8	1.38	0	4.18	15%	Low
424	422	BF18		Biofiltration	0.01	95%	0.001	0.001	$637	$2,378	$15,000	2.6	2.75	0	5.35	49%	Low
425	423	BR138		Bioretention	0.03	95%	0.002	0.001	$1,320	$6,141	$15,000	4	2.13	0	6.13	70%	Medium
426	424	BR256		Bioretention	0.02	95%	0.001	0.001	$778	$3,617	$15,000	4.4	1.13	0	5.53	56%	Medium
427	425	D10	O_10	Dry Well	0.09	6%	0.001	0.001	$50,000	$192,100	$50,000	2.4	1.38	0	3.78	9%	Low
428	426	BR85		Bioretention	0.02	95%	0.002	0.001	$1,108	$5,152	$15,000	3.6	2.5	0	6.1	69%	Medium
429	427	BR131		Bioretention	0.01	95%	0.001	0.001	$440	$2,047	$15,000	3	1	0	4	12%	Low
430	428	BR194		Bioretention	0.02	95%	0.002	0.001	$1,027	$4,776	$15,000	4	1.88	0	5.88	66%	Medium
431	429	BR42		Bioretention	0.01	95%	0.001	0.001	$660	$3,070	$15,000	3.6	2	0	5.6	57%	Medium
432	430	BR240		Bioretention	0.01	95%	0.001	0.001	$660	$3,070	$15,000	3.2	1.25	0	4.45	21%	Low
433	431	BR46		Bioretention	0.01	95%	0.001	0.001	$367	$1,706	$15,000	4	1	0	5	39%	Low
434	432	BR163		Bioretention	0.01	95%	0.001	0.001	$660	$3,070	$15,000	3.6	1.25	0	4.85	33%	Low
435	433	BR32		Bioretention	0.01	95%	0.001	0.001	$587	$2,729	$15,000	3.2	2.38	0	5.58	57%	Medium
436	434	D100	O_100	Dry Well	0.00	100%	0.000	0.000	$50,000	$192,100	$50,000	3.8	0.88	0	4.68	28%	Low
437	435	BR261		Bioretention	0.01	95%	0.001	0.000	$682	$3,171	$15,000	3.4	2.13	0	5.53	56%	Medium
438	436	BR82		Bioretention	0.01	95%	0.001	0.000	$660	$3,070	$15,000	3.2	1.63	0	4.83	32%	Low
439	437	BR180		Bioretention	0.01	95%	0.001	0.000	$513	$2,388	$15,000	3.2	1.63	0	4.83	32%	Low
440	438	BR205		Bioretention	0.01	95%	0.001	0.000	$513	$2,388	$15,000	3.6	2.5	0	6.1	69%	Medium
441	439	BR139		Bioretention	0.01	95%	0.001	0.000	$440	$2,047	$15,000	2.6	2.25	0	4.85	33%	Low
442	440	D114	O_114	Dry Well	0.01	14%	0.000	0.000	$50,000	$192,100	$50,000	2.8	1.38	0	4.18	15%	Low
443	441	D34	O_34	Dry Well	0.02	0%	0.000	0.000	$50,000	$192,100	$50,000	2	1.75	0	3.75	9%	Low

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1	SCENARIO 3 - RANK BY PRIORITIZED SCORE																
2	Rank by Prioritization Score	SITE ID	Name	Type	Drainage Area (ac)	% Imp	Storage Capacity (ac-ft)	EWMP Equiv Vol (ac-ft)	Cost Estimate (EWMP Eqs)	Cost Estimate (Regression)	Selected Cost	Normalized Suitability Score	Normalized Multi-Benefit Score	Normalized EWMP Volume Score	Final Score (out of 15)	Score Percentile	Score Bracket
3	1	R8	Syd Kronenthal	Regional	77.61	72%	4.840	2.057	$3,189,000	$5,471,500	$5,471,500	4.4	3.5	5	12.9	100.00%	High
4	2	R9	Tellefson	Regional	72.33	89%	5.365	1.623	$3,381,300	$6,065,100	$6,065,100	4	2.75	5	11.75	99.75%	High
5	3	R10	Veterans Park	Regional	78.07	90%	5.845	1.772	$3,550,600	$6,607,900	$6,607,900	3.6	2.63	5	11.23	99.50%	High
6	4	R4	High School	Regional	131.67	69%	7.932	2.389	$4,412,300	$8,966,800	$8,966,800	4.2	1.88	5	11.08	99.26%	High
7	5	D28	O_28	Dry Well	11.98	90%	0.898	1.030	$550,000	$2,113,096	$550,000	4.6	2.25	4	10.85	99.01%	High
8	6	R5	Linberg North	Regional	67.12	68%	3.999	1.547	$2,856,200	$4,520,700	$4,520,700	3.2	2.5	5	10.7	98.76%	High
9	7	BR77		Bioretention	4.86	95%	0.401	0.219	$238,422	$1,108,932	$238,422	4.4	2.63	3	10.03	98.52%	High
10	8	R1	Blanco Park	Regional	65.47	58%	3.451	1.335	$2,742,800	$3,901,400	$3,901,400	4	1.75	4	9.75	98.27%	High
11	9	D31	O_31	Dry Well	8.13	74%	0.519	0.580	$400,000	$1,536,797	$400,000	4.2	1.38	4	9.58	97.78%	High
12	10	D38	O_38	Dry Well	2.32	81%	0.159	0.204	$100,000	$384,199	$100,000	4.2	2.38	3	9.58	97.78%	High
13	11	BR91		Bioretention	4.91	95%	0.405	0.141	$240,459	$1,118,408	$240,459	4.4	3.13	2	9.53	97.53%	High
14	12	R3	Fox Hills	Regional	38.67	70%	2.359	0.837	$2,202,700	$2,666,600	$2,666,600	3.2	2.13	4	9.33	97.29%	High
15	13	R2	Farragut	Regional	90.86	68%	5.413	1.629	$3,428,300	$6,119,100	$6,119,100	2.4	1.88	5	9.28	97.04%	High
16	14	BR89		Bioretention	3.06	95%	0.252	0.138	$149,901	$697,208	$149,901	4.4	2.75	2	9.15	96.79%	High
17	15	D39	O_39	Dry Well	2.29	94%	0.178	0.225	$100,000	$384,199	$100,000	4.2	1.88	3	9.08	96.30%	High
18	16	D41	O_41	Dry Well	2.36	92%	0.180	0.228	$100,000	$384,199	$100,000	4.2	1.88	3	9.08	96.30%	High
19	17	BR185		Bioretention	2.97	95%	0.245	0.134	$145,593	$677,172	$145,593	4.4	2.63	2	9.03	96.05%	High
20	18	D27	O_27	Dry Well	4.70	67%	0.277	0.304	$200,000	$768,398	$200,000	3.8	2.13	3	8.93	95.81%	High
21	19	BR225		Bioretention	3.97	95%	0.327	0.292	$194,487	$904,584	$194,487	3.4	2.5	3	8.9	95.32%	High
22	20	BR172		Bioretention	3.25	95%	0.268	0.239	$159,331	$741,070	$159,331	3.4	2.5	3	8.9	95.32%	High
23	21	D18	O_18	Dry Well	6.39	54%	0.320	0.337	$300,000	$1,152,598	$300,000	3.8	1.88	3	8.68	95.07%	High
24	22	BR190		Bioretention	3.97	95%	0.328	0.116	$194,640	$905,295	$194,640	3.2	3.38	2	8.58	94.82%	High
25	23	D5	O_5	Dry Well	2.35	88%	0.173	0.196	$100,000	$384,199	$100,000	4.2	2.25	2	8.45	94.58%	High
26	24	D129	O_129	Dry Well	5.58	66%	0.326	0.355	$250,000	$960,498	$250,000	4	1.38	3	8.38	94.33%	High
27	25	D142	O_142	Dry Well	4.27	78%	0.285	0.318	$200,000	$768,398	$200,000	3.6	1.75	3	8.35	93.59%	High
28	26	BR188		Bioretention	3.11	95%	0.257	0.140	$152,363	$708,660	$152,363	3.6	2.75	2	8.35	93.59%	High
29	27	BR206		Bioretention	1.44	95%	0.119	0.106	$70,590	$328,325	$70,590	3.6	2.75	2	8.35	93.59%	High
30	28	D49	O_49	Dry Well	2.92	94%	0.227	0.261	$100,000	$384,199	$100,000	3.4	1.88	3	8.28	93.34%	High
31	29	BR181		Bioretention	3.28	95%	0.270	0.148	$160,565	$746,808	$160,565	4	2.25	2	8.25	93.10%	High
32	30	D25	O_25	Dry Well	5.23	54%	0.262	0.275	$250,000	$960,498	$250,000	3.8	1.38	3	8.18	92.61%	High
33	31	D7	O_7	Dry Well	5.01	56%	0.257	0.274	$250,000	$960,498	$250,000	3.8	1.38	3	8.18	92.61%	High
34	32	D36	O_36	Dry Well	8.03	50%	0.379	0.393	$400,000	$1,536,797	$400,000	3.4	1.75	3	8.15	91.87%	High
35	33	D4	O_4	Dry Well	2.37	98%	0.191	0.221	$100,000	$384,199	$100,000	3.4	1.75	3	8.15	91.87%	High
36	34	BR31		Bioretention	5.03	95%	0.415	0.147	$246,624	$1,147,080	$246,624	3.4	2.75	2	8.15	91.87%	High
37	35	BR47		Bioretention	1.50	95%	0.124	0.111	$73,678	$342,685	$73,678	4.6	1.5	2	8.1	91.62%	High
38	36	D44	O_44	Dry Well	4.39	61%	0.241	0.258	$200,000	$768,398	$200,000	3.8	1.25	3	8.05	91.37%	High
39	37	BR43		Bioretention	0.38	95%	0.031	0.017	$18,587	$86,451	$18,587	4.4	3.63	0	8.03	91.13%	High
40	38	D14	O_14	Dry Well	5.13	47%	0.232	0.238	$250,000	$960,498	$250,000	3.2	1.75	3	7.95	90.88%	High
41	39	R7	Linwood	Regional	5.49	82%	0.380	0.113	$1,362,500	$429,900	$429,900	3.8	2.13	2	7.93	90.64%	High
42	40	BR102		Bioretention	2.16	95%	0.178	0.159	$105,815	$492,160	$105,815	3.4	2.38	2	7.78	90.39%	High
43	41	BR130		Bioretention	3.06	95%	0.253	0.138	$150,133	$698,288	$150,133	3	2.75	2	7.75	90.14%	High
44	42	D26	O_26	Dry Well	1.87	64%	0.106	0.115	$50,000	$192,100	$50,000	3.6	2.13	2	7.73	89.65%	High
45	43	BR146		Bioretention	3.53	95%	0.292	0.260	$173,218	$805,661	$173,218	1.6	3.13	3	7.73	89.65%	High
46	44	D47	O_47	Dry Well	2.15	86%	0.155	0.176	$100,000	$384,199	$100,000	3.8	1.88	2	7.68	89.16%	High
47	45	BR251		Bioretention	9.86	95%	0.814	0.445	$483,559	$2,249,095	$483,559	3.8	0.88	3	7.68	89.16%	High
48	46	R6	Linberg South	Regional	7.90	63%	0.443	0.171	$1,391,400	$501,200	$501,200	3.4	2.25	2	7.65	88.91%	High

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
2	Rank by Prioritization Score	SITE ID	Name	Type	Drainage Area (ac)	% Imp	Storage Capacity (ac-ft)	EWMP Equiv Vol (ac-ft)	Cost Estimate (EWMP Eqs)	Cost Estimate (Regression)	Selected Cost	Normalized Suitability Score	Normalized Multi-Benefit Score	Normalized EWMP Volume Score	Final Score (out of 15)	Score Percentile	Score Bracket
49	47	BR19		Bioretention	1.42	95%	0.117	0.105	$69,726	$324,304	$69,726	4	1.63	2	7.63	88.17%	High
50	48	BR227		Bioretention	3.46	95%	0.285	0.156	$169,402	$787,912	$169,402	4	1.63	2	7.63	88.17%	High
51	49	BR95		Bioretention	3.99	95%	0.329	0.180	$195,563	$909,590	$195,563	3	2.63	2	7.63	88.17%	High
52	50	D50	O_50	Dry Well	11.12	37%	0.425	0.409	$550,000	$2,113,096	$550,000	2.6	1.88	3	7.48	87.68%	High
53	51	D73	O_73	Dry Well	9.36	35%	0.345	0.325	$450,000	$1,728,896	$450,000	2.6	1.88	3	7.48	87.68%	High
54	52	D35	O_35	Dry Well	2.82	71%	0.174	0.191	$100,000	$384,199	$100,000	3.6	1.75	2	7.35	86.45%	High
55	53	D46	O_46	Dry Well	2.68	77%	0.177	0.197	$100,000	$384,199	$100,000	3.6	1.75	2	7.35	86.45%	High
56	54	BR100		Bioretention	2.12	95%	0.175	0.062	$103,847	$483,007	$103,847	3.6	2.75	1	7.35	86.45%	High
57	55	BR202		Bioretention	2.10	95%	0.173	0.095	$102,755	$477,926	$102,755	3.6	2.75	1	7.35	86.45%	High
58	56	BR184		Bioretention	2.42	95%	0.200	0.109	$118,742	$552,286	$118,742	2.6	2.75	2	7.35	86.45%	High
59	57	BR50		Bioretention	2.77	95%	0.229	0.222	$135,815	$631,692	$135,815	2.2	2.13	3	7.33	86.20%	High
60	58	BR8		Bioretention	0.82	95%	0.067	0.060	$40,046	$186,261	$40,046	4.4	1.88	1	7.28	85.96%	High
61	59	BR224		Bioretention	0.45	95%	0.038	0.013	$22,278	$103,617	$22,278	4	3.25	0	7.25	85.46%	High
62	60	BR81		Bioretention	0.28	95%	0.023	0.023	$13,512	$62,847	$15,000	4	3.25	0	7.25	85.46%	High
63	61	BF10		Biofiltration	2.91	95%	0.241	0.221	$178,045	$664,566	$178,045	1.6	2.63	3	7.23	85.41%	High
64	62	BR99		Bioretention	0.36	95%	0.029	0.016	$17,446	$81,141	$17,446	4.4	2.75	0	7.15	84.97%	High
65	63	BR221		Bioretention	2.43	95%	0.201	0.070	$119,223	$554,522	$119,223	3.4	2.75	1	7.15	84.97%	High
66	64	BR1		Bioretention	1.01	95%	0.084	0.069	$49,693	$231,131	$49,693	4	2.13	1	7.13	84.48%	High
67	65	BR217		Bioretention	1.83	95%	0.151	0.159	$89,665	$417,042	$89,665	3	2.13	2	7.13	84.48%	High
68	66	BR168		Bioretention	1.59	95%	0.131	0.117	$77,710	$361,440	$77,710	3.2	1.88	2	7.08	84.23%	High
69	67	BR220		Bioretention	1.18	95%	0.097	0.034	$57,605	$267,929	$57,605	4	3	0	7	83.99%	High
70	68	BR155		Bioretention	2.14	95%	0.176	0.096	$104,677	$486,866	$104,677	3.2	2.75	1	6.95	83.74%	High
71	69	BR152		Bioretention	1.05	95%	0.087	0.077	$51,439	$239,251	$51,439	4.4	1.5	1	6.9	83.25%	High
72	70	BR186		Bioretention	0.02	95%	0.002	0.002	$1,005	$4,677	$15,000	4.4	2.5	0	6.9	83.25%	High
73	71	BR97		Bioretention	0.43	95%	0.036	0.020	$21,279	$98,971	$21,279	4	2.88	0	6.88	82.75%	High
74	72	BF11		Biofiltration	1.10	95%	0.090	0.083	$66,959	$249,929	$66,959	4	1.88	1	6.88	82.75%	High
75	73	D6	O_6	Dry Well	1.36	89%	0.101	0.116	$50,000	$192,100	$50,000	3	1.88	2	6.88	82.75%	High
76	74	BR135		Bioretention	1.08	95%	0.089	0.080	$53,144	$247,182	$53,144	3.6	2.25	1	6.85	82.51%	High
77	75	D29	O_29	Dry Well	2.56	52%	0.125	0.130	$100,000	$384,199	$100,000	3.2	1.63	2	6.83	82.26%	High
78	76	BR195		Bioretention	0.13	95%	0.011	0.006	$6,283	$29,223	$15,000	4.4	2.38	0	6.78	82.01%	High
79	77	D140	O_140	Dry Well	0.81	90%	0.061	0.069	$50,000	$192,100	$50,000	3.4	2.38	1	6.78	81.77%	High
80	78	BR44		Bioretention	0.57	95%	0.047	0.026	$28,049	$130,461	$28,049	4	2.75	0	6.75	80.78%	High
81	79	BR60		Bioretention	0.07	95%	0.006	0.003	$3,667	$17,058	$15,000	4	2.75	0	6.75	80.78%	High
82	80	BR126		Bioretention	0.36	95%	0.030	0.016	$17,579	$81,762	$17,579	4	2.75	0	6.75	80.78%	High
83	81	BR137		Bioretention	4.24	95%	0.350	0.312	$207,949	$967,196	$207,949	2	1.75	3	6.75	80.78%	High
84	82	BR40		Bioretention	0.85	95%	0.070	0.025	$41,774	$194,295	$41,774	3.6	3.13	0	6.73	80.29%	High
85	83	BR39		Bioretention	1.19	95%	0.098	0.054	$58,220	$270,788	$58,220	3.6	2.13	1	6.73	80.29%	High
86	84	BR80		Bioretention	1.49	95%	0.123	0.067	$72,991	$339,491	$72,991	3.2	2.5	1	6.7	80.04%	High
87	85	D40	O_40	Dry Well	0.82	93%	0.063	0.080	$50,000	$192,100	$50,000	3.8	1.88	1	6.68	79.55%	Medium
88	86	BR242		Bioretention	0.02	95%	0.001	0.001	$880	$4,094	$15,000	3.8	2.88	0	6.68	79.55%	Medium
89	87	BR121		Bioretention	2.20	95%	0.182	0.099	$107,915	$501,926	$107,915	3.4	2.25	1	6.65	79.06%	Medium
90	88	BF9		Biofiltration	0.93	95%	0.077	0.071	$57,109	$213,162	$57,109	3.4	2.25	1	6.65	79.06%	Medium
91	89	D75	O_75	Dry Well	3.64	1%	0.048	0.247	$150,000	$576,299	$150,000	2.4	1.25	3	6.65	79.06%	Medium
92	90	BR18		Bioretention	0.34	95%	0.028	0.015	$16,492	$76,706	$16,492	4	2.63	0	6.63	78.07%	Medium
93	91	BR35		Bioretention	0.03	95%	0.003	0.001	$1,609	$7,483	$15,000	4	2.63	0	6.63	78.07%	Medium
94	92	BR6		Bioretention	0.62	95%	0.051	0.028	$30,486	$141,796	$30,486	4	2.63	0	6.63	78.07%	Medium
95	93	BR175		Bioretention	0.03	95%	0.003	0.001	$1,489	$6,923	$15,000	4	2.63	0	6.63	78.07%	Medium

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96	94	BR193		Bioretention	1.31	95%	0.108	0.089	$64,013	$297,732	$64,013	3.6	2	1	6.6	77.58%	Medium
97	95	BR122		Bioretention	2.02	95%	0.166	0.059	$98,800	$459,533	$98,800	2.6	3	1	6.6	77.58%	Medium
98	96	D19	O_19	Dry Well	2.35	50%	0.111	0.116	$100,000	$384,199	$100,000	3.2	1.38	2	6.58	77.33%	Medium
99	97	D51	O_51	Dry Well	1.13	77%	0.075	0.083	$50,000	$192,100	$50,000	3.4	2.13	1	6.53	77.09%	Medium
100	98	BR105		Bioretention	0.98	95%	0.081	0.072	$48,024	$223,364	$48,024	4	1.5	1	6.5	76.84%	Medium
101	99	BF12		Biofiltration	1.91	95%	0.158	0.145	$116,781	$435,891	$116,781	3	1.5	2	6.5	76.84%	Medium
102	100	BR236		Bioretention	0.20	95%	0.016	0.009	$9,563	$44,478	$15,000	3.6	2.88	0	6.48	76.35%	Medium
103	101	BR34		Bioretention	1.37	95%	0.113	0.101	$67,133	$312,245	$67,133	2.6	1.88	2	6.48	76.35%	Medium
104	102	D64	O_64	Dry Well	1.02	87%	0.075	0.085	$50,000	$192,100	$50,000	3.2	2.25	1	6.45	75.86%	Medium
105	103	BR237		Bioretention	1.39	95%	0.115	0.063	$68,056	$316,536	$68,056	3.2	2.25	1	6.45	75.86%	Medium
106	104	D45	O_45	Dry Well	1.38	72%	0.086	0.095	$50,000	$192,100	$50,000	3.8	1.63	1	6.43	75.36%	Medium
107	105	BR254		Bioretention	1.33	95%	0.110	0.106	$65,337	$303,889	$65,337	2.8	1.63	2	6.43	75.36%	Medium
108	106	D17	O_17	Dry Well	3.86	43%	0.164	0.165	$150,000	$576,299	$150,000	3	1.38	2	6.38	74.63%	Medium
109	107	D22	O_22	Dry Well	4.26	47%	0.192	0.197	$200,000	$768,398	$200,000	3	1.38	2	6.38	74.63%	Medium
110	108	BR68		Bioretention	1.37	95%	0.113	0.062	$67,347	$313,238	$67,347	3	2.38	1	6.38	74.63%	Medium
111	109	BR198		Bioretention	0.89	95%	0.073	0.040	$43,421	$201,957	$43,421	3.6	2.75	0	6.35	74.13%	Medium
112	110	BR245		Bioretention	3.59	95%	0.296	0.264	$176,078	$818,963	$176,078	1.6	1.75	3	6.35	74.13%	Medium
113	111	BR54		Bioretention	1.17	95%	0.096	0.086	$57,180	$265,951	$57,180	3.2	2.13	1	6.33	73.89%	Medium
114	112	BR208		Bioretention	0.90	95%	0.074	0.026	$43,999	$204,647	$43,999	4.4	1.88	0	6.28	73.64%	Medium
115	113	BR151		Bioretention	0.27	95%	0.022	0.012	$13,350	$62,094	$15,000	4	2.25	0	6.25	72.41%	Medium
116	114	BR161		Bioretention	0.39	95%	0.032	0.031	$18,994	$88,344	$18,994	4	2.25	0	6.25	72.41%	Medium
117	115	BR215		Bioretention	0.65	95%	0.053	0.029	$31,623	$147,085	$31,623	4	2.25	0	6.25	72.41%	Medium
118	116	BR260		Bioretention	1.03	95%	0.085	0.046	$50,379	$234,321	$50,379	4	2.25	0	6.25	72.41%	Medium
119	117	BR231		Bioretention	2.79	95%	0.231	0.126	$136,914	$636,805	$136,914	2	2.25	2	6.25	72.41%	Medium
120	118	BR66		Bioretention	0.25	95%	0.021	0.007	$12,212	$56,798	$15,000	3.6	2.63	0	6.23	71.92%	Medium
121	119	BR117		Bioretention	0.24	95%	0.020	0.017	$11,666	$54,261	$15,000	3.6	2.63	0	6.23	71.92%	Medium
122	120	BF26		Biofiltration	1.68	95%	0.139	0.128	$102,605	$382,982	$102,605	1.6	2.63	2	6.23	71.92%	Medium
123	121	D60	O_60	Dry Well	0.99	53%	0.049	0.057	$50,000	$192,100	$50,000	3.2	2	1	6.2	71.42%	Medium
124	122	BR249		Bioretention	0.51	95%	0.042	0.023	$25,035	$116,439	$25,035	3.2	3	0	6.2	71.42%	Medium
125	123	D131	O_131	Dry Well	1.42	49%	0.066	0.068	$50,000	$192,100	$50,000	2.8	2.38	1	6.18	70.93%	Medium
126	124	BR134		Bioretention	0.75	95%	0.062	0.055	$36,775	$171,044	$36,775	2.8	2.38	1	6.18	70.93%	Medium
127	125	BR51		Bioretention	0.41	95%	0.034	0.018	$19,901	$92,561	$19,901	4	2.13	0	6.13	69.21%	Medium
128	126	BR64		Bioretention	0.08	95%	0.007	0.004	$3,926	$18,263	$15,000	4	2.13	0	6.13	69.21%	Medium
129	127	BR107		Bioretention	0.12	95%	0.010	0.009	$5,976	$27,793	$15,000	4	2.13	0	6.13	69.21%	Medium
130	128	BR138		Bioretention	0.03	95%	0.002	0.001	$1,320	$6,141	$15,000	4	2.13	0	6.13	69.21%	Medium
131	129	BR136		Bioretention	0.31	95%	0.026	0.027	$15,348	$71,386	$15,348	3	3.13	0	6.13	69.21%	Medium
132	130	BR164		Bioretention	1.32	95%	0.109	0.097	$64,673	$300,803	$64,673	3	2.13	1	6.13	69.21%	Medium
133	131	BR128		Bioretention	0.97	95%	0.080	0.066	$47,673	$221,732	$47,673	3	2.13	1	6.13	69.21%	Medium
134	132	BR9		Bioretention	0.51	95%	0.042	0.023	$25,211	$117,260	$25,211	3.6	2.5	0	6.1	68.47%	Medium
135	133	BR85		Bioretention	0.02	95%	0.002	0.001	$1,108	$5,152	$15,000	3.6	2.5	0	6.1	68.47%	Medium
136	134	BR83		Bioretention	2.26	95%	0.187	0.166	$110,803	$515,361	$110,803	2.6	1.5	2	6.1	68.47%	Medium
137	135	BR36		Bioretention	0.31	95%	0.026	0.008	$15,432	$71,777	$15,432	3.8	2.25	0	6.05	68.22%	Medium
138	136	BF31		Biofiltration	1.23	95%	0.101	0.099	$75,024	$280,031	$75,024	2.8	2.25	1	6.05	68.22%	Medium
139	137	BR197		Bioretention	0.46	95%	0.038	0.014	$22,789	$105,997	$22,789	4.4	1.63	0	6.03	67.98%	Medium
140	138	D11	O_11	Dry Well	1.79	54%	0.090	0.093	$50,000	$192,100	$50,000	3.4	1.63	1	6.03	67.73%	Medium
141	139	BR255		Bioretention	0.86	95%	0.071	0.039	$41,925	$195,001	$41,925	4	2	0	6	67.24%	Medium
142	140	BR62		Bioretention	1.34	95%	0.111	0.039	$65,848	$306,266	$65,848	3	3	0	6	67.24%	Medium

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143	141	BR248		Bioretention	0.09	95%	0.007	0.004	$4,406	$20,491	$15,000	3.6	2.38	0	5.98	66.74%	Medium
144	142	BF21		Biofiltration	0.87	95%	0.072	0.066	$53,088	$198,155	$53,088	3.6	1.38	1	5.98	66.74%	Medium
145	143	BR196		Bioretention	2.18	95%	0.180	0.098	$107,022	$497,775	$107,022	2.6	2.38	1	5.98	66.74%	Medium
146	144	BR84		Bioretention	0.11	95%	0.009	0.008	$5,583	$25,970	$15,000	4.2	1.75	0	5.95	66.00%	Medium
147	145	BR178		Bioretention	0.09	95%	0.008	0.007	$4,621	$21,493	$15,000	4.2	1.75	0	5.95	66.00%	Medium
148	146	BR79		Bioretention	0.06	95%	0.005	0.003	$3,000	$13,952	$15,000	3.2	2.75	0	5.95	66.00%	Medium
149	147	BR124		Bioretention	0.08	95%	0.006	0.006	$3,741	$17,399	$15,000	4.4	1.5	0	5.9	65.51%	Medium
150	148	BR171		Bioretention	1.54	95%	0.128	0.045	$75,720	$352,183	$75,720	3.4	2.5	0	5.9	65.51%	Medium
151	149	BR194		Bioretention	0.02	95%	0.002	0.001	$1,027	$4,776	$15,000	4	1.88	0	5.88	64.03%	Medium
152	150	BR257		Bioretention	0.15	95%	0.012	0.007	$7,286	$33,889	$15,000	4	1.88	0	5.88	64.03%	Medium
153	151	BR201		Bioretention	0.64	95%	0.053	0.047	$31,610	$147,022	$31,610	4	1.88	0	5.88	64.03%	Medium
154	152	BR106		Bioretention	0.19	95%	0.015	0.013	$9,158	$42,595	$15,000	4	1.88	0	5.88	64.03%	Medium
155	153	BR239		Bioretention	0.79	95%	0.065	0.058	$38,772	$180,333	$38,772	3	1.88	1	5.88	64.03%	Medium
156	154	BR56		Bioretention	2.09	95%	0.173	0.055	$102,552	$476,985	$102,552	3	1.88	1	5.88	64.03%	Medium
157	155	BR205		Bioretention	0.01	95%	0.001	0.000	$513	$2,388	$15,000	3.6	2.25	0	5.85	62.31%	Medium
158	156	BR103		Bioretention	0.02	95%	0.002	0.001	$954	$4,435	$15,000	3.6	2.25	0	5.85	62.31%	Medium
159	157	BR42		Bioretention	0.01	95%	0.001	0.001	$660	$3,070	$15,000	3.6	2.25	0	5.85	62.31%	Medium
160	158	BR101		Bioretention	0.11	95%	0.009	0.005	$5,208	$24,222	$15,000	3.6	2.25	0	5.85	62.31%	Medium
161	159	D1	O_1	Dry Well	2.22	58%	0.117	0.125	$100,000	$384,199	$100,000	2.6	1.25	2	5.85	62.31%	Medium
162	160	BR247		Bioretention	1.20	95%	0.099	0.088	$58,864	$273,782	$58,864	2.6	2.25	1	5.85	62.31%	Medium
163	161	BR26		Bioretention	1.80	95%	0.148	0.132	$88,085	$409,693	$88,085	2.6	1.25	2	5.85	62.31%	Medium
164	162	BR200		Bioretention	0.04	95%	0.003	0.002	$1,810	$8,418	$15,000	3.2	2.63	0	5.83	61.33%	Medium
165	163	BR32		Bioretention	0.01	95%	0.001	0.001	$587	$2,729	$15,000	3.2	2.63	0	5.83	61.33%	Medium
166	164	BR55		Bioretention	0.20	95%	0.016	0.009	$9,604	$44,671	$15,000	3.2	2.63	0	5.83	61.33%	Medium
167	165	BR14		Bioretention	1.51	95%	0.125	0.068	$74,012	$344,242	$74,012	2.2	2.63	1	5.83	61.33%	Medium
168	166	D24	O_24	Dry Well	0.36	83%	0.025	0.029	$50,000	$192,100	$50,000	3.8	2	0	5.8	60.83%	Medium
169	167	D76	O_76	Dry Well	0.05	87%	0.004	0.004	$50,000	$192,100	$50,000	3.8	2	0	5.8	60.83%	Medium
170	168	BR256		Bioretention	0.02	95%	0.001	0.001	$778	$3,617	$15,000	4.4	1.38	0	5.78	60.59%	Medium
171	169	D126	O_126	Dry Well	1.64	52%	0.080	0.083	$50,000	$192,100	$50,000	3.4	1.38	1	5.78	60.09%	Medium
172	170	D128	O_128	Dry Well	0.91	64%	0.052	0.056	$50,000	$192,100	$50,000	3.4	1.38	1	5.78	60.09%	Medium
173	171	BR192		Bioretention	0.09	95%	0.008	0.004	$4,474	$20,810	$15,000	4	1.75	0	5.75	59.85%	Medium
174	172	BR93		Bioretention	0.11	95%	0.009	0.005	$5,596	$26,026	$15,000	3.6	2.13	0	5.73	59.35%	Medium
175	173	BR223		Bioretention	1.74	95%	0.144	0.079	$85,422	$397,307	$85,422	2.6	2.13	1	5.73	59.35%	Medium
176	174	BR115		Bioretention	0.12	95%	0.010	0.003	$5,924	$27,552	$15,000	3.2	2.5	0	5.7	58.62%	Medium
177	175	BR111		Bioretention	0.33	95%	0.027	0.024	$16,096	$74,864	$16,096	3.2	2.5	0	5.7	58.62%	Medium
178	176	BR78		Bioretention	0.97	95%	0.080	0.072	$47,695	$221,834	$47,695	2.2	2.5	1	5.7	58.62%	Medium
179	177	BR86		Bioretention	0.02	95%	0.002	0.002	$1,027	$4,776	$15,000	2.8	2.88	0	5.68	58.12%	Medium
180	178	BR258		Bioretention	0.02	95%	0.002	0.002	$1,166	$5,425	$15,000	2.8	2.88	0	5.68	58.12%	Medium
181	179	D21	O_21	Dry Well	0.51	61%	0.028	0.030	$50,000	$192,100	$50,000	3.4	2.25	0	5.65	57.38%	Medium
182	180	BR16		Bioretention	1.01	95%	0.083	0.045	$49,322	$229,404	$49,322	3.4	2.25	0	5.65	57.38%	Medium
183	181	BR244		Bioretention	2.07	95%	0.171	0.094	$101,695	$472,997	$101,695	2.4	2.25	1	5.65	57.38%	Medium
184	182	BR67		Bioretention	0.18	95%	0.015	0.008	$8,710	$40,514	$15,000	4	1.63	0	5.63	56.40%	Medium
185	183	BR63		Bioretention	0.43	95%	0.036	0.019	$21,084	$98,065	$21,084	3	2.63	0	5.63	56.40%	Medium
186	184	BR88		Bioretention	0.04	95%	0.003	0.002	$1,810	$8,418	$15,000	3	2.63	0	5.63	56.40%	Medium
187	185	BR229		Bioretention	0.11	95%	0.009	0.005	$5,491	$25,539	$15,000	3	2.63	0	5.63	56.40%	Medium
188	186	BF20		Biofiltration	0.03	95%	0.003	0.003	$2,124	$7,926	$15,000	3.6	2	0	5.6	56.25%	Medium
189	187	BR22		Bioretention	0.54	95%	0.045	0.025	$26,657	$123,985	$26,657	3.2	2.38	0	5.58	56.15%	Medium

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190	188	BF33		Biofiltration	0.72	95%	0.060	0.055	$44,042	$164,391	$44,042	3.2	1.38	1	5.58	56.15%	Medium
191	189	D70	O_70	Dry Well	0.08	81%	0.005	0.007	$50,000	$192,100	$50,000	3.8	1.75	0	5.55	55.41%	Medium
192	190	BR148		Bioretention	0.13	95%	0.010	0.009	$6,217	$28,918	$15,000	3.8	1.75	0	5.55	55.41%	Medium
193	191	BR125		Bioretention	0.18	95%	0.015	0.005	$8,835	$41,094	$15,000	2.8	2.75	0	5.55	55.41%	Medium
194	192	BR261		Bioretention	0.01	95%	0.001	0.000	$682	$3,171	$15,000	3.4	2.13	0	5.53	54.67%	Medium
195	193	BR98		Bioretention	0.04	95%	0.004	0.002	$2,200	$10,235	$15,000	3.4	2.13	0	5.53	54.67%	Medium
196	194	D53	O_53	Dry Well	3.13	30%	0.104	0.095	$150,000	$576,299	$150,000	2.4	2.13	1	5.53	54.67%	Medium
197	195	BR147		Bioretention	0.50	95%	0.041	0.022	$24,274	$112,900	$24,274	4	1.5	0	5.5	54.18%	Medium
198	196	BR246		Bioretention	0.30	95%	0.025	0.009	$14,832	$68,987	$15,000	4	1.5	0	5.5	54.18%	Medium
199	197	BR21		Bioretention	0.41	95%	0.033	0.032	$19,874	$92,436	$19,874	3.6	1.88	0	5.48	51.72%	Medium
200	198	BR211		Bioretention	0.77	95%	0.064	0.057	$37,723	$175,457	$37,723	3.6	0.88	1	5.48	51.72%	Medium
201	199	D59	O_59	Dry Well	0.41	79%	0.027	0.035	$50,000	$192,100	$50,000	3.6	1.88	0	5.48	51.72%	Medium
202	200	BR75		Bioretention	0.80	95%	0.066	0.058	$38,991	$181,354	$38,991	3.6	0.88	1	5.48	51.72%	Medium
203	201	BR232		Bioretention	1.90	95%	0.157	0.056	$93,243	$433,687	$93,243	3.6	0.88	1	5.48	51.72%	Medium
204	202	BR170		Bioretention	2.28	95%	0.188	0.168	$111,691	$519,487	$111,691	2.6	0.88	2	5.48	51.72%	Medium
205	203	BR24		Bioretention	0.29	95%	0.024	0.013	$14,237	$66,219	$15,000	2.6	2.88	0	5.48	51.72%	Medium
206	204	BR187		Bioretention	0.15	95%	0.013	0.007	$7,539	$35,067	$15,000	2.6	2.88	0	5.48	51.72%	Medium
207	205	BR219		Bioretention	1.30	95%	0.107	0.095	$63,664	$296,112	$63,664	2.6	1.88	1	5.48	51.72%	Medium
208	206	BR235		Bioretention	1.07	95%	0.089	0.079	$52,596	$244,632	$52,596	2.6	1.88	1	5.48	51.72%	Medium
209	207	BR112		Bioretention	0.43	95%	0.036	0.019	$21,152	$98,382	$21,152	3.2	2.25	0	5.45	51.47%	Medium
210	208	BF3		Biofiltration	0.45	95%	0.037	0.036	$27,198	$101,519	$27,198	3.2	2.25	0	5.45	51.47%	Medium
211	209	BF8		Biofiltration	0.47	95%	0.039	0.038	$28,809	$107,530	$28,809	3.2	2.25	0	5.45	51.47%	Medium
212	210	BF17		Biofiltration	0.03	95%	0.002	0.002	$1,758	$6,563	$15,000	3.2	2.25	0	5.45	51.47%	Medium
213	211	BF32		Biofiltration	0.13	95%	0.011	0.010	$7,899	$29,485	$15,000	3.2	2.25	0	5.45	51.47%	Medium
214	212	BF5		Biofiltration	0.03	95%	0.003	0.002	$1,919	$7,164	$15,000	2.2	3.25	0	5.45	51.47%	Medium
215	213	BF15		Biofiltration	0.04	95%	0.003	0.003	$2,255	$8,418	$15,000	2.8	2.63	0	5.43	51.37%	Medium
216	214	BF13		Biofiltration	1.08	95%	0.089	0.082	$65,730	$245,343	$65,730	1.8	2.63	1	5.43	51.37%	Medium
217	215	D68	O_68	Dry Well	0.04	68%	0.002	0.002	$50,000	$192,100	$50,000	3.4	2	0	5.4	50.49%	Medium
218	216	D80	O_80	Dry Well	0.41	61%	0.022	0.024	$50,000	$192,100	$50,000	3.4	2	0	5.4	50.49%	Medium
219	217	BR92		Bioretention	0.04	95%	0.004	0.002	$2,109	$9,808	$15,000	3.4	2	0	5.4	50.49%	Medium
220	218	BR110		Bioretention	0.46	95%	0.038	0.014	$22,761	$105,866	$22,761	3.4	2	0	5.4	50.49%	Medium
221	219	BR10		Bioretention	0.02	95%	0.002	0.001	$1,027	$4,776	$15,000	4	1.38	0	5.38	49.50%	Low
222	220	BR113		Bioretention	0.60	95%	0.050	0.027	$29,612	$137,728	$29,612	3	2.38	0	5.38	49.50%	Low
223	221	BR13		Bioretention	0.38	95%	0.032	0.030	$18,754	$87,230	$18,754	3	2.38	0	5.38	49.50%	Low
224	222	BR41		Bioretention	0.48	95%	0.039	0.022	$23,422	$108,939	$23,422	3	2.38	0	5.38	49.50%	Low
225	223	BR27		Bioretention	0.03	95%	0.002	0.001	$1,247	$5,800	$15,000	2.6	2.75	0	5.35	48.76%	Low
226	224	BR57		Bioretention	0.07	95%	0.006	0.003	$3,448	$16,037	$15,000	2.6	2.75	0	5.35	48.76%	Low
227	225	BF18		Biofiltration	0.01	95%	0.001	0.001	$637	$2,378	$15,000	2.6	2.75	0	5.35	48.76%	Low
228	226	BR166		Bioretention	1.58	95%	0.131	0.116	$77,579	$360,829	$77,579	1.6	1.75	2	5.35	48.76%	Low
229	227	BR176		Bioretention	0.42	95%	0.034	0.019	$20,467	$95,194	$20,467	3.2	2.13	0	5.33	47.78%	Low
230	228	BF2		Biofiltration	0.14	95%	0.011	0.011	$8,388	$31,309	$15,000	3.2	2.13	0	5.33	47.78%	Low
231	229	BR263		Bioretention	0.25	95%	0.021	0.017	$12,486	$58,074	$15,000	3.2	2.13	0	5.33	47.78%	Low
232	230	BR5		Bioretention	0.30	95%	0.025	0.024	$14,673	$68,246	$15,000	3.2	2.13	0	5.33	47.78%	Low
233	231	BR230		Bioretention	1.07	95%	0.089	0.086	$52,604	$244,666	$52,604	2.2	2.13	1	5.33	47.78%	Low
234	232	BR153		Bioretention	0.86	95%	0.071	0.063	$41,928	$195,012	$41,928	2.8	1.5	1	5.3	47.29%	Low
235	233	D52	O_52	Dry Well	0.28	96%	0.022	0.026	$50,000	$192,100	$50,000	2.8	2.5	0	5.3	47.29%	Low
236	234	D65	O_65	Dry Well	1.01	57%	0.053	0.056	$50,000	$192,100	$50,000	3.4	0.88	1	5.28	47.04%	Low

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237	235	BR259		Bioretention	0.15	95%	0.012	0.010	$7,127	$33,147	$15,000	4	1.25	0	5.25	46.05%	Low
238	236	D62	O_62	Dry Well	0.42	88%	0.031	0.035	$50,000	$192,100	$50,000	3	2.25	0	5.25	46.05%	Low
239	237	D63	O_63	Dry Well	0.46	86%	0.033	0.037	$50,000	$192,100	$50,000	3	2.25	0	5.25	46.05%	Low
240	238	BR241		Bioretention	1.56	95%	0.128	0.070	$76,304	$354,902	$76,304	2	2.25	1	5.25	46.05%	Low
241	239	BR119		Bioretention	0.52	95%	0.043	0.015	$25,629	$119,206	$25,629	2.6	2.63	0	5.23	45.81%	Low
242	240	BR48		Bioretention	0.48	95%	0.039	0.022	$23,426	$108,957	$23,426	3.2	2	0	5.2	45.07%	Low
243	241	D85	O_85	Dry Well	0.14	55%	0.007	0.007	$50,000	$192,100	$50,000	3.2	2	0	5.2	45.07%	Low
244	242	BF29		Biofiltration	0.34	95%	0.028	0.025	$20,505	$76,538	$20,505	3.2	2	0	5.2	45.07%	Low
245	243	BR214		Bioretention	0.23	95%	0.019	0.011	$11,508	$53,527	$15,000	2.2	3	0	5.2	45.07%	Low
246	244	BR189		Bioretention	1.49	95%	0.123	0.109	$72,819	$338,692	$72,819	1.4	1.75	2	5.15	44.82%	Low
247	245	BR104		Bioretention	0.42	95%	0.035	0.031	$20,739	$96,458	$20,739	4	1.13	0	5.13	43.84%	Low
248	246	BR30		Bioretention	0.44	95%	0.036	0.013	$21,452	$99,778	$21,452	3	2.13	0	5.13	43.84%	Low
249	247	BR120		Bioretention	0.28	95%	0.023	0.008	$13,886	$64,585	$15,000	3	2.13	0	5.13	43.84%	Low
250	248	BR233		Bioretention	0.13	95%	0.011	0.003	$6,362	$29,590	$15,000	3	2.13	0	5.13	43.84%	Low
251	249	BF6		Biofiltration	0.37	95%	0.031	0.028	$22,661	$84,583	$22,661	3.6	1.5	0	5.1	42.36%	Low
252	250	D92	O_92	Dry Well	0.18	70%	0.011	0.012	$50,000	$192,100	$50,000	3.6	1.5	0	5.1	42.36%	Low
253	251	BF16		Biofiltration	0.45	95%	0.037	0.034	$27,237	$101,663	$27,237	3.6	1.5	0	5.1	42.36%	Low
254	252	BF30		Biofiltration	0.10	95%	0.008	0.007	$5,946	$22,194	$15,000	3.6	1.5	0	5.1	42.36%	Low
255	253	BR163		Bioretention	0.01	95%	0.001	0.001	$660	$3,070	$15,000	3.6	1.5	0	5.1	42.36%	Low
256	254	BR3		Bioretention	1.07	95%	0.088	0.078	$52,313	$243,314	$52,313	2.6	1.5	1	5.1	42.36%	Low
257	255	D139	O_139	Dry Well	0.90	46%	0.040	0.041	$50,000	$192,100	$50,000	2.6	2.5	0	5.1	42.36%	Low
258	256	D141	O_141	Dry Well	0.90	46%	0.040	0.041	$50,000	$192,100	$50,000	2.6	2.5	0	5.1	42.36%	Low
259	257	BF22		Biofiltration	0.86	95%	0.071	0.065	$52,234	$194,966	$52,234	2.6	1.5	1	5.1	42.36%	Low
260	258	BR139		Bioretention	0.01	95%	0.001	0.000	$440	$2,047	$15,000	2.6	2.5	0	5.1	42.36%	Low
261	259	BR182		Bioretention	0.25	95%	0.021	0.011	$12,479	$58,041	$15,000	3.2	1.88	0	5.08	40.64%	Low
262	260	D69	O_69	Dry Well	0.26	50%	0.012	0.014	$50,000	$192,100	$50,000	3.2	1.88	0	5.08	40.64%	Low
263	261	D43	O_43	Dry Well	0.61	56%	0.032	0.033	$50,000	$192,100	$50,000	3.2	1.88	0	5.08	40.64%	Low
264	262	BR38		Bioretention	0.23	95%	0.019	0.018	$11,166	$51,934	$15,000	3.2	1.88	0	5.08	40.64%	Low
265	263	BR82		Bioretention	0.01	95%	0.001	0.000	$660	$3,070	$15,000	3.2	1.88	0	5.08	40.64%	Low
266	264	BR180		Bioretention	0.01	95%	0.001	0.000	$513	$2,388	$15,000	3.2	1.88	0	5.08	40.64%	Low
267	265	D3	O_3	Dry Well	4.44	12%	0.093	0.062	$200,000	$768,398	$200,000	2.2	1.88	1	5.08	40.64%	Low
268	266	BF28		Biofiltration	0.02	95%	0.002	0.002	$1,371	$5,117	$15,000	2.8	2.25	0	5.05	40.49%	Low
269	267	BR159		Bioretention	0.36	95%	0.029	0.016	$17,482	$81,311	$17,482	3.4	1.63	0	5.03	40.14%	Low
270	268	BR59		Bioretention	0.58	95%	0.048	0.017	$28,313	$131,685	$28,313	2.4	2.63	0	5.03	40.14%	Low
271	269	BR46		Bioretention	0.01	95%	0.001	0.001	$367	$1,706	$15,000	4	1	0	5	39.16%	Low
272	270	D86	O_86	Dry Well	0.27	42%	0.011	0.011	$50,000	$192,100	$50,000	3	2	0	5	39.16%	Low
273	271	D91	O_91	Dry Well	0.30	45%	0.013	0.013	$50,000	$192,100	$50,000	3	2	0	5	39.16%	Low
274	272	BR114		Bioretention	1.13	95%	0.093	0.083	$55,257	$257,009	$55,257	2	2	1	5	39.16%	Low
275	273	D105	O_105	Dry Well	0.06	75%	0.004	0.004	$50,000	$192,100	$50,000	3.6	1.38	0	4.98	38.17%	Low
276	274	D113	O_113	Dry Well	0.05	79%	0.004	0.004	$50,000	$192,100	$50,000	3.6	1.38	0	4.98	38.17%	Low
277	275	D116	O_116	Dry Well	0.06	75%	0.004	0.004	$50,000	$192,100	$50,000	3.6	1.38	0	4.98	38.17%	Low
278	276	BR226		Bioretention	0.06	95%	0.005	0.004	$2,910	$13,535	$15,000	3.6	1.38	0	4.98	38.17%	Low
279	277	D13	O_13	Dry Well	0.06	50%	0.003	0.003	$50,000	$192,100	$50,000	3.2	1.75	0	4.95	37.43%	Low
280	278	BR234		Bioretention	0.04	95%	0.004	0.003	$2,181	$10,146	$15,000	3.2	1.75	0	4.95	37.43%	Low
281	279	BR250		Bioretention	0.02	95%	0.002	0.001	$1,027	$4,776	$15,000	2.2	2.75	0	4.95	37.43%	Low
282	280	D87	O_87	Dry Well	0.15	70%	0.009	0.010	$50,000	$192,100	$50,000	3.4	1.5	0	4.9	36.20%	Low
283	281	D88	O_88	Dry Well	0.09	60%	0.005	0.005	$50,000	$192,100	$50,000	3.4	1.5	0	4.9	36.20%	Low

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284	282	D93	O_93	Dry Well	0.18	64%	0.010	0.011	$50,000	$192,100	$50,000	3.4	1.5	0	4.9	36.20%	Low
285	283	BR69		Bioretention	0.66	95%	0.055	0.049	$32,591	$151,587	$32,591	2.4	2.5	0	4.9	36.20%	Low
286	284	BR179		Bioretention	0.64	95%	0.053	0.051	$31,203	$145,127	$31,203	2.4	1.5	1	4.9	36.20%	Low
287	285	D48	O_48	Dry Well	0.10	96%	0.008	0.009	$50,000	$192,100	$50,000	3	1.88	0	4.88	34.48%	Low
288	286	BR2		Bioretention	0.03	95%	0.002	0.001	$1,449	$6,737	$15,000	3	1.88	0	4.88	34.48%	Low
289	287	BR7		Bioretention	0.44	95%	0.036	0.020	$21,424	$99,648	$21,424	3	1.88	0	4.88	34.48%	Low
290	288	BR123		Bioretention	0.06	95%	0.005	0.004	$2,701	$12,565	$15,000	3	1.88	0	4.88	34.48%	Low
291	289	BR127		Bioretention	0.13	95%	0.011	0.010	$6,381	$29,681	$15,000	3	1.88	0	4.88	34.48%	Low
292	290	BR177		Bioretention	0.05	95%	0.004	0.001	$2,239	$10,415	$15,000	3	1.88	0	4.88	34.48%	Low
293	291	BR96		Bioretention	1.07	95%	0.088	0.079	$52,440	$243,905	$52,440	2	1.88	1	4.88	34.48%	Low
294	292	BR157		Bioretention	0.07	95%	0.006	0.005	$3,521	$16,375	$15,000	3.6	1.25	0	4.85	34.23%	Low
295	293	D9	O_9	Dry Well	0.34	54%	0.017	0.018	$50,000	$192,100	$50,000	3.2	1.63	0	4.83	33.74%	Low
296	294	D42	O_42	Dry Well	0.30	60%	0.016	0.017	$50,000	$192,100	$50,000	3.2	1.63	0	4.83	33.74%	Low
297	295	D33	O_33	Dry Well	0.45	81%	0.031	0.035	$50,000	$192,100	$50,000	3.8	1	0	4.8	33.00%	Low
298	296	D77	O_77	Dry Well	0.03	29%	0.001	0.001	$50,000	$192,100	$50,000	2.8	2	0	4.8	33.00%	Low
299	297	D84	O_84	Dry Well	0.09	18%	0.002	0.002	$50,000	$192,100	$50,000	2.8	2	0	4.8	33.00%	Low
300	298	D16	O_16	Dry Well	0.40	65%	0.023	0.025	$50,000	$192,100	$50,000	3.4	1.38	0	4.78	32.01%	Low
301	299	D79	O_79	Dry Well	0.41	62%	0.023	0.025	$50,000	$192,100	$50,000	3.4	1.38	0	4.78	32.01%	Low
302	300	D81	O_81	Dry Well	0.04	68%	0.002	0.003	$50,000	$192,100	$50,000	3.4	1.38	0	4.78	32.01%	Low
303	301	D82	O_82	Dry Well	0.03	60%	0.002	0.002	$50,000	$192,100	$50,000	3.4	1.38	0	4.78	32.01%	Low
304	302	BR72		Bioretention	0.48	95%	0.040	0.035	$23,479	$109,205	$23,479	3	1.75	0	4.75	31.77%	Low
305	303	D2	O_2	Dry Well	0.37	65%	0.021	0.023	$50,000	$192,100	$50,000	2.6	2.13	0	4.73	31.28%	Low
306	304	BR165		Bioretention	0.03	95%	0.003	0.001	$1,540	$7,164	$15,000	2.6	2.13	0	4.73	31.28%	Low
307	305	BR209		Bioretention	0.04	95%	0.003	0.002	$1,834	$8,529	$15,000	3.2	1.5	0	4.7	31.03%	Low
308	306	BF4		Biofiltration	0.04	95%	0.003	0.003	$2,468	$9,211	$15,000	3.2	1.5	0	4.7	31.03%	Low
309	307	D100	O_100	Dry Well	0.00	100%	0.000	0.000	$50,000	$192,100	$50,000	3.8	0.88	0	4.68	30.04%	Low
310	308	D32	O_32	Dry Well	0.16	84%	0.011	0.013	$50,000	$192,100	$50,000	3.8	0.88	0	4.68	30.04%	Low
311	309	D56	O_56	Dry Well	0.17	92%	0.013	0.015	$50,000	$192,100	$50,000	2.8	1.88	0	4.68	30.04%	Low
312	310	D57	O_57	Dry Well	0.37	82%	0.025	0.029	$50,000	$192,100	$50,000	2.8	1.88	0	4.68	30.04%	Low
313	311	BR204		Bioretention	0.85	95%	0.070	0.062	$41,621	$193,584	$41,621	2.4	1.25	1	4.65	29.55%	Low
314	312	BR45		Bioretention	0.13	95%	0.011	0.011	$6,336	$29,471	$15,000	1.4	3.25	0	4.65	29.55%	Low
315	313	D8	O_8	Dry Well	0.38	44%	0.016	0.016	$50,000	$192,100	$50,000	3	1.63	0	4.63	28.81%	Low
316	314	BR144		Bioretention	0.25	95%	0.020	0.011	$12,099	$56,273	$15,000	2	2.63	0	4.63	28.81%	Low
317	315	BR29		Bioretention	1.70	95%	0.141	0.077	$83,505	$388,393	$83,505	2	1.63	1	4.63	28.81%	Low
318	316	BR118		Bioretention	0.37	95%	0.031	0.017	$18,212	$84,708	$18,212	2.6	2	0	4.6	28.57%	Low
319	317	D104	O_104	Dry Well	0.15	58%	0.008	0.009	$50,000	$192,100	$50,000	3.2	1.38	0	4.58	25.86%	Low
320	318	D107	O_107	Dry Well	0.42	51%	0.020	0.021	$50,000	$192,100	$50,000	3.2	1.38	0	4.58	25.86%	Low
321	319	D108	O_108	Dry Well	0.09	52%	0.004	0.004	$50,000	$192,100	$50,000	3.2	1.38	0	4.58	25.86%	Low
322	320	D115	O_115	Dry Well	0.10	59%	0.005	0.006	$50,000	$192,100	$50,000	3.2	1.38	0	4.58	25.86%	Low
323	321	D121	O_121	Dry Well	0.16	70%	0.010	0.011	$50,000	$192,100	$50,000	3.2	1.38	0	4.58	25.86%	Low
324	322	D122	O_122	Dry Well	0.05	76%	0.003	0.003	$50,000	$192,100	$50,000	3.2	1.38	0	4.58	25.86%	Low
325	323	BF23		Biofiltration	0.02	95%	0.001	0.006	$1,097	$4,094	$15,000	3.2	1.38	0	4.58	25.86%	Low
326	324	BR132		Bioretention	0.59	95%	0.049	0.027	$28,883	$134,340	$28,883	3.2	1.38	0	4.58	25.86%	Low
327	325	BR191		Bioretention	0.27	95%	0.023	0.008	$13,464	$62,623	$15,000	3.2	1.38	0	4.58	25.86%	Low
328	326	BR243		Bioretention	0.36	95%	0.030	0.016	$17,760	$82,602	$17,760	3.2	1.38	0	4.58	25.86%	Low
329	327	BR169		Bioretention	2.06	95%	0.170	0.093	$101,217	$470,775	$101,217	2.2	1.38	1	4.58	25.86%	Low
330	328	D37	O_37	Dry Well	1.87	47%	0.084	0.087	$50,000	$192,100	$50,000	2.2	1.38	1	4.58	25.86%	Low

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331	329	BR143		Bioretention	0.06	95%	0.005	0.004	$2,861	$13,305	$15,000	2.8	1.75	0	4.55	25.61%	Low
332	330	BR49		Bioretention	0.40	95%	0.033	0.029	$19,533	$90,849	$19,533	3.4	1.13	0	4.53	25.36%	Low
333	331	D103	O_103	Dry Well	0.10	47%	0.005	0.005	$50,000	$192,100	$50,000	3	1.5	0	4.5	24.13%	Low
334	332	D58	O_58	Dry Well	0.47	43%	0.020	0.020	$50,000	$192,100	$50,000	3	1.5	0	4.5	24.13%	Low
335	333	BR33		Bioretention	0.02	95%	0.002	0.001	$954	$4,435	$15,000	3	1.5	0	4.5	24.13%	Low
336	334	BR76		Bioretention	0.03	95%	0.003	0.003	$1,540	$7,164	$15,000	3	1.5	0	4.5	24.13%	Low
337	335	BR212		Bioretention	0.09	95%	0.007	0.004	$4,401	$20,469	$15,000	3	1.5	0	4.5	24.13%	Low
338	336	BR158		Bioretention	0.65	95%	0.054	0.048	$31,868	$148,221	$31,868	3.6	0.88	0	4.48	22.16%	Low
339	337	BR65		Bioretention	0.88	95%	0.073	0.065	$43,253	$201,176	$43,253	2.6	0.88	1	4.48	22.16%	Low
340	338	BR74		Bioretention	0.79	95%	0.065	0.058	$38,624	$179,646	$38,624	2.6	0.88	1	4.48	22.16%	Low
341	339	D61	O_61	Dry Well	0.51	75%	0.033	0.036	$50,000	$192,100	$50,000	2.6	1.88	0	4.48	22.16%	Low
342	340	BR25		Bioretention	0.18	95%	0.015	0.013	$8,869	$41,249	$15,000	2.6	1.88	0	4.48	22.16%	Low
343	341	BR173		Bioretention	0.11	95%	0.009	0.008	$5,384	$25,044	$15,000	2.6	1.88	0	4.48	22.16%	Low
344	342	BR203		Bioretention	1.37	95%	0.113	0.062	$67,292	$312,983	$67,292	1.6	1.88	1	4.48	22.16%	Low
345	343	BR23		Bioretention	1.34	95%	0.111	0.099	$65,719	$305,666	$65,719	1.6	1.88	1	4.48	22.16%	Low
346	344	BR17		Bioretention	0.23	95%	0.019	0.010	$11,208	$52,131	$15,000	3.2	1.25	0	4.45	20.93%	Low
347	345	BR240		Bioretention	0.01	95%	0.001	0.001	$660	$3,070	$15,000	3.2	1.25	0	4.45	20.93%	Low
348	346	D15	O_15	Dry Well	1.63	48%	0.075	0.076	$50,000	$192,100	$50,000	2.2	1.25	1	4.45	20.93%	Low
349	347	BR53		Bioretention	0.33	95%	0.027	0.015	$16,259	$75,621	$16,259	2.2	2.25	0	4.45	20.93%	Low
350	348	BR145		Bioretention	1.11	95%	0.091	0.050	$54,190	$252,045	$54,190	2.2	2.25	0	4.45	20.93%	Low
351	349	BF14		Biofiltration	0.04	95%	0.003	0.003	$2,194	$8,188	$15,000	1.8	2.63	0	4.43	20.86%	Low
352	350	D117	O_117	Dry Well	0.03	44%	0.001	0.001	$50,000	$192,100	$50,000	3	1.38	0	4.38	20.19%	Low
353	351	D66	O_66	Dry Well	0.63	61%	0.035	0.037	$50,000	$192,100	$50,000	3	1.38	0	4.38	20.19%	Low
354	352	D78	O_78	Dry Well	0.06	47%	0.003	0.003	$50,000	$192,100	$50,000	3	1.38	0	4.38	20.19%	Low
355	353	BR20		Bioretention	0.17	95%	0.014	0.008	$8,250	$38,374	$15,000	2.2	2.13	0	4.33	19.45%	Low
356	354	BR15		Bioretention	0.47	95%	0.038	0.037	$22,841	$106,236	$22,841	2.2	2.13	0	4.33	19.45%	Low
357	355	BR199		Bioretention	0.49	95%	0.040	0.039	$24,014	$111,692	$24,014	2.2	2.13	0	4.33	19.45%	Low
358	356	BR167		Bioretention	0.09	95%	0.008	0.007	$4,577	$21,290	$15,000	2.8	1.5	0	4.3	18.47%	Low
359	357	BF25		Biofiltration	0.04	95%	0.003	0.003	$2,468	$9,211	$15,000	2.8	1.5	0	4.3	18.47%	Low
360	358	D89	O_89	Dry Well	0.08	35%	0.003	0.003	$50,000	$192,100	$50,000	2.8	1.5	0	4.3	18.47%	Low
361	359	D95	O_95	Dry Well	0.13	22%	0.004	0.003	$50,000	$192,100	$50,000	2.8	1.5	0	4.3	18.47%	Low
362	360	BR140		Bioretention	0.33	95%	0.027	0.024	$16,014	$74,484	$16,014	2.8	1.5	0	4.3	18.47%	Low
363	361	D71	O_71	Dry Well	0.49	59%	0.026	0.028	$50,000	$192,100	$50,000	2.4	1.88	0	4.28	17.98%	Low
364	362	BR210		Bioretention	0.62	95%	0.051	0.046	$30,531	$142,004	$30,531	2.4	1.88	0	4.28	17.98%	Low
365	363	BR149		Bioretention	0.19	95%	0.015	0.008	$9,073	$42,199	$15,000	3	1.25	0	4.25	17.48%	Low
366	364	BR131		Bioretention	0.01	95%	0.001	0.001	$440	$2,047	$15,000	3	1.25	0	4.25	17.48%	Low
367	365	BR174		Bioretention	0.30	95%	0.025	0.009	$14,779	$68,740	$15,000	2.6	1.63	0	4.23	16.99%	Low
368	366	BR213		Bioretention	0.10	95%	0.008	0.005	$4,990	$23,209	$15,000	2.6	1.63	0	4.23	16.99%	Low
369	367	BR129		Bioretention	1.06	95%	0.088	0.031	$52,054	$242,111	$52,054	3.2	1	0	4.2	16.50%	Low
370	368	BR52		Bioretention	0.06	95%	0.005	0.002	$2,927	$13,616	$15,000	2.2	2	0	4.2	16.50%	Low
371	369	D106	O_106	Dry Well	0.25	33%	0.009	0.008	$50,000	$192,100	$50,000	2.8	1.38	0	4.18	14.03%	Low
372	370	D109	O_109	Dry Well	0.21	33%	0.007	0.007	$50,000	$192,100	$50,000	2.8	1.38	0	4.18	14.03%	Low
373	371	D112	O_112	Dry Well	0.07	25%	0.002	0.002	$50,000	$192,100	$50,000	2.8	1.38	0	4.18	14.03%	Low
374	372	D114	O_114	Dry Well	0.01	14%	0.000	0.000	$50,000	$192,100	$50,000	2.8	1.38	0	4.18	14.03%	Low
375	373	D118	O_118	Dry Well	0.49	37%	0.019	0.018	$50,000	$192,100	$50,000	2.8	1.38	0	4.18	14.03%	Low
376	374	D119	O_119	Dry Well	0.14	39%	0.005	0.005	$50,000	$192,100	$50,000	2.8	1.38	0	4.18	14.03%	Low
377	375	D120	O_120	Dry Well	0.21	36%	0.008	0.008	$50,000	$192,100	$50,000	2.8	1.38	0	4.18	14.03%	Low

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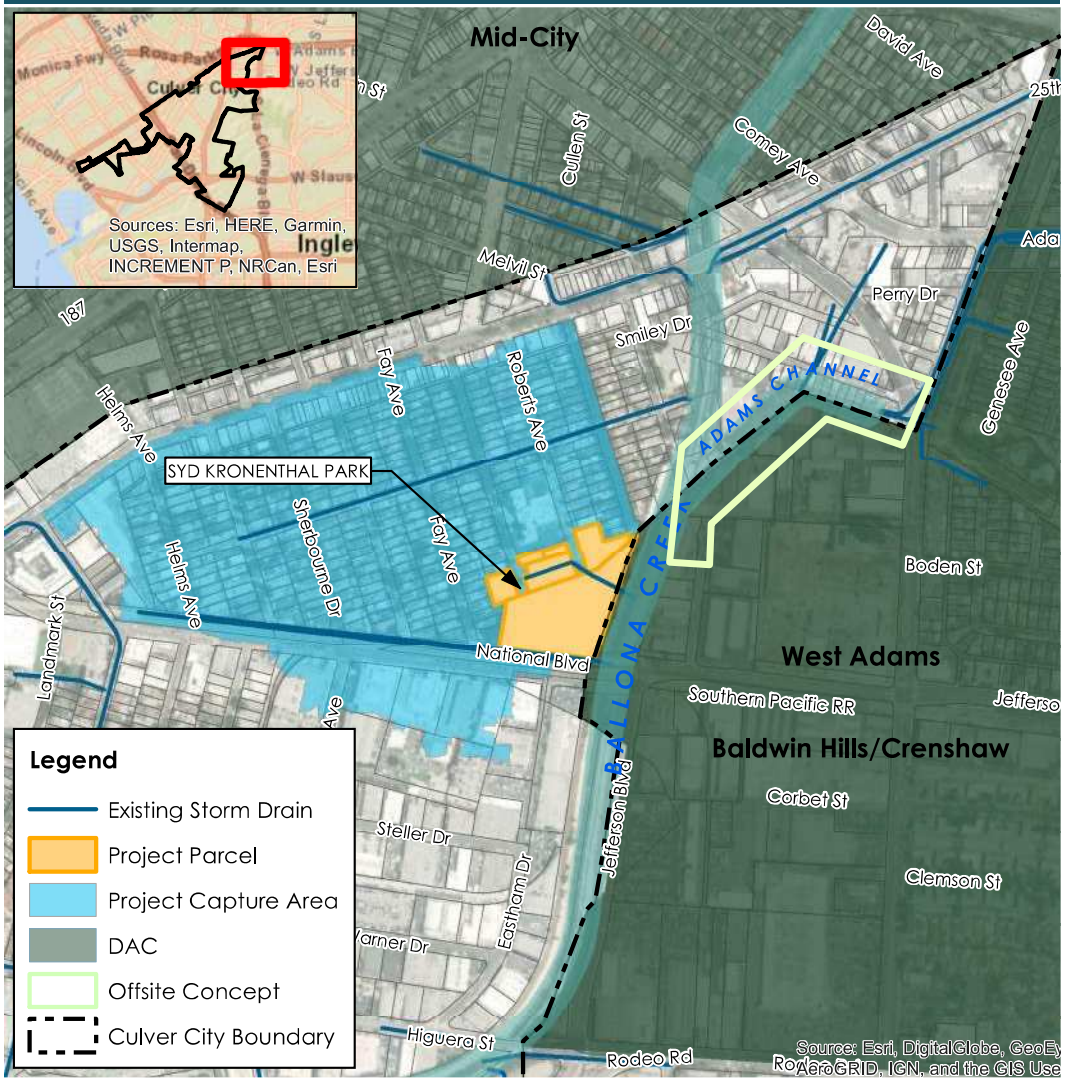
378	376	D123	O_123	Dry Well	0.63	51%	0.030	0.031	$50,000	$192,100	$50,000	2.8	1.38	0	4.18	14.03%	Low
379	377	D127	O_127	Dry Well	0.08	70%	0.005	0.006	$50,000	$192,100	$50,000	2.8	1.38	0	4.18	14.03%	Low
380	378	D83	O_83	Dry Well	0.02	38%	0.001	0.001	$50,000	$192,100	$50,000	2.8	1.38	0	4.18	14.03%	Low
381	379	BF34		Biofiltration	0.54	95%	0.045	0.041	$33,217	$123,985	$33,217	2.8	1.38	0	4.18	14.03%	Low
382	380	BR141		Bioretention	0.08	95%	0.007	0.004	$4,034	$18,763	$15,000	1.4	2.75	0	4.15	13.79%	Low
383	381	BR12		Bioretention	0.03	95%	0.002	0.001	$1,363	$6,341	$15,000	3.2	0.88	0	4.08	11.82%	Low
384	382	BR28		Bioretention	0.18	95%	0.015	0.005	$8,937	$41,566	$15,000	3.2	0.88	0	4.08	11.82%	Low
385	383	BR154		Bioretention	0.74	95%	0.061	0.022	$36,455	$169,559	$36,455	3.2	0.88	0	4.08	11.82%	Low
386	384	BR58		Bioretention	1.06	95%	0.087	0.078	$51,860	$241,210	$51,860	2.2	0.88	1	4.08	11.82%	Low
387	385	BR90		Bioretention	0.70	95%	0.058	0.032	$34,367	$159,844	$34,367	2.2	1.88	0	4.08	11.82%	Low
388	386	BR142		Bioretention	0.03	95%	0.002	0.001	$1,247	$5,800	$15,000	2.2	1.88	0	4.08	11.82%	Low
389	387	BR253		Bioretention	0.32	95%	0.026	0.014	$15,455	$71,882	$15,455	2.2	1.88	0	4.08	11.82%	Low
390	388	BR108		Bioretention	0.67	95%	0.055	0.049	$32,943	$153,223	$32,943	2.2	1.88	0	4.08	11.82%	Low
391	389	BR218		Bioretention	0.75	95%	0.062	0.034	$36,944	$171,833	$36,944	2.6	1.38	0	3.98	10.83%	Low
392	390	D124	O_124	Dry Well	0.12	49%	0.005	0.006	$50,000	$192,100	$50,000	2.6	1.38	0	3.98	10.83%	Low
393	391	D125	O_125	Dry Well	0.21	50%	0.010	0.010	$50,000	$192,100	$50,000	2.6	1.38	0	3.98	10.83%	Low
394	392	D23	O_23	Dry Well	0.02	48%	0.001	0.001	$50,000	$192,100	$50,000	2.6	1.38	0	3.98	10.83%	Low
395	393	BR156		Bioretention	0.21	95%	0.017	0.015	$10,176	$47,329	$15,000	2.2	1.75	0	3.95	10.59%	Low
396	394	D67	O_67	Dry Well	0.13	47%	0.006	0.006	$50,000	$192,100	$50,000	3	0.88	0	3.88	9.85%	Low
397	395	D130	O_130	Dry Well	0.92	36%	0.035	0.033	$50,000	$192,100	$50,000	2	1.88	0	3.88	9.85%	Low
398	396	D72	O_72	Dry Well	0.34	37%	0.013	0.012	$50,000	$192,100	$50,000	2	1.88	0	3.88	9.85%	Low
399	397	BR109		Bioretention	0.14	95%	0.011	0.004	$6,814	$31,694	$15,000	2.6	1.25	0	3.85	9.35%	Low
400	398	BR61		Bioretention	0.13	95%	0.011	0.004	$6,596	$30,678	$15,000	2.6	1.25	0	3.85	9.35%	Low
401	399	BR207		Bioretention	0.96	95%	0.079	0.070	$46,846	$217,886	$46,846	2.2	0.63	1	3.83	9.11%	Low
402	400	BR87		Bioretention	0.46	95%	0.038	0.021	$22,415	$104,256	$22,415	2.8	1	0	3.8	8.62%	Low
403	401	BR160		Bioretention	0.03	95%	0.003	0.001	$1,619	$7,530	$15,000	1.8	2	0	3.8	8.62%	Low
404	402	D10	O_10	Dry Well	0.09	6%	0.001	0.001	$50,000	$192,100	$50,000	2.4	1.38	0	3.78	8.37%	Low
405	403	D34	O_34	Dry Well	0.02	0%	0.000	0.000	$50,000	$192,100	$50,000	2	1.75	0	3.75	8.12%	Low
406	404	BR262		Bioretention	0.84	95%	0.069	0.062	$41,156	$191,424	$41,156	1.6	1.13	1	3.73	7.88%	Low
407	405	D101	O_101	Dry Well	0.21	40%	0.009	0.008	$50,000	$192,100	$50,000	2.8	0.88	0	3.68	6.40%	Low
408	406	D102	O_102	Dry Well	0.03	26%	0.001	0.001	$50,000	$192,100	$50,000	2.8	0.88	0	3.68	6.40%	Low
409	407	D110	O_110	Dry Well	0.31	37%	0.012	0.011	$50,000	$192,100	$50,000	2.8	0.88	0	3.68	6.40%	Low
410	408	D99	O_99	Dry Well	0.07	22%	0.002	0.001	$50,000	$192,100	$50,000	2.8	0.88	0	3.68	6.40%	Low
411	409	D132	O_132	Dry Well	0.53	0%	0.007	0.001	$50,000	$192,100	$50,000	1.8	1.88	0	3.68	6.40%	Low
412	410	D30	O_30	Dry Well	0.66	3%	0.010	0.004	$50,000	$192,100	$50,000	1.8	1.88	0	3.68	6.40%	Low
413	411	D20	O_20	Dry Well	0.23	60%	0.013	0.014	$50,000	$192,100	$50,000	2.4	1.25	0	3.65	5.91%	Low
414	412	BR228		Bioretention	0.66	95%	0.055	0.030	$32,483	$151,084	$32,483	2.4	1.25	0	3.65	5.91%	Low
415	413	BF7		Biofiltration	0.01	95%	0.001	0.001	$823	$3,070	$15,000	2	1.5	0	3.5	5.69%	Low
416	414	BR11		Bioretention	0.47	95%	0.039	0.035	$23,121	$107,540	$23,121	2.6	0.88	0	3.48	5.17%	Low
417	415	BR183		Bioretention	0.53	95%	0.044	0.039	$26,206	$121,889	$26,206	2.6	0.88	0	3.48	5.17%	Low
418	416	BR73		Bioretention	0.31	95%	0.025	0.023	$15,121	$70,330	$15,121	1.6	1.88	0	3.48	5.17%	Low
419	417	D12	O_12	Dry Well	1.01	50%	0.047	0.049	$50,000	$192,100	$50,000	2.2	1.25	0	3.45	4.67%	Low
420	418	BR222		Bioretention	0.52	95%	0.043	0.014	$25,499	$118,601	$25,499	2.2	1.25	0	3.45	4.67%	Low
421	419	BF19		Biofiltration	0.02	95%	0.001	0.001	$1,097	$4,094	$15,000	1.8	1.63	0	3.43	4.64%	Low
422	420	BR252		Bioretention	0.44	95%	0.037	0.020	$21,729	$101,066	$21,729	2.8	0.5	0	3.3	4.43%	Low
423	421	BR150		Bioretention	0.44	95%	0.036	0.032	$21,375	$99,417	$21,375	2.4	0.88	0	3.28	4.18%	Low
424	422	D137	O_137	Dry Well	0.50	8%	0.009	0.005	$50,000	$192,100	$50,000	2	1.25	0	3.25	3.44%	Low

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
2	Rank by Prioritization Score	SITE ID	Name	Type	Drainage Area (ac)	% Imp	Storage Capacity (ac-ft)	EWMP Equiv Vol (ac-ft)	Cost Estimate (EWMP Eqs)	Cost Estimate (Regression)	Selected Cost	Normalized Suitability Score	Normalized Multi-Benefit Score	Normalized EWMP Volume Score	Final Score (out of 15)	Score Percentile	Score Bracket
425	423	D74	O_74	Dry Well	0.41	0%	0.005	0.001	$50,000	$192,100	$50,000	2	1.25	0	3.25	3.44%	Low
426	424	BR116		Bioretention	0.20	95%	0.017	0.009	$10,026	$46,632	$15,000	2	1.25	0	3.25	3.44%	Low
427	425	BR71		Bioretention	0.32	95%	0.026	0.009	$15,589	$72,507	$15,589	1.6	1.63	0	3.23	3.20%	Low
428	426	BF24		Biofiltration	0.34	95%	0.028	0.028	$21,001	$78,388	$21,001	1.6	1.63	0	3.23	3.20%	Low
429	427	BR133		Bioretention	0.47	95%	0.039	0.021	$22,867	$106,359	$22,867	2.2	1	0	3.2	2.95%	Low
430	428	D136	O_136	Dry Well	0.31	0%	0.004	0.010	$50,000	$192,100	$50,000	1.8	1.25	0	3.05	2.70%	Low
431	429	BR4		Bioretention	0.38	95%	0.031	0.028	$18,579	$86,414	$18,579	1.8	1.13	0	2.93	2.21%	Low
432	430	BR70		Bioretention	0.13	95%	0.011	0.010	$6,336	$29,470	$15,000	1.8	1.13	0	2.93	2.21%	Low
433	431	BR37		Bioretention	0.23	95%	0.019	0.007	$11,104	$51,646	$15,000	1.4	1.13	0	2.53	1.72%	Low
434	432	BR162		Bioretention	0.04	95%	0.003	0.003	$1,980	$9,211	$15,000	1.4	1.13	0	2.53	1.72%	Low
435	433	D133	O_133	Dry Well	1.23	30%	0.041	0.037	$50,000	$192,100	$50,000	1.2	1.25	0	2.45	1.23%	Low
436	434	D138	O_138	Dry Well	1.15	8%	0.021	0.012	$50,000	$192,100	$50,000	1.2	1.25	0	2.45	1.23%	Low
437	435	BF1		Biofiltration	0.31	95%	0.025	0.023	$18,790	$70,133	$18,790	1.2	1.13	0	2.33	1.08%	Low
438	436	D134	O_134	Dry Well	0.59	20%	0.016	0.013	$50,000	$192,100	$50,000	1	1.25	0	2.25	0.73%	Low
439	437	D135	O_135	Dry Well	0.38	16%	0.009	0.007	$50,000	$192,100	$50,000	1	1.25	0	2.25	0.73%	Low
440	438	BR216		Bioretention	0.09	95%	0.008	0.008	$4,603	$21,410	$15,000	1	1.13	0	2.13	0.00%	Low
441	439	BF27		Biofiltration	0.01	95%	0.001	0.001	$743	$2,774	$15,000	1	1.13	0	2.13	0.00%	Low
442	440	BR94		Bioretention	0.31	95%	0.025	0.010	$15,110	$70,278	$15,110	1	1.13	0	2.13	0.00%	Low
443	441	BR238		Bioretention	0.11	95%	0.009	0.003	$5,208	$24,222	$15,000	1	1.13	0	2.13	0.00%	Low

Appendix D – Concept Plans & Fact Sheets

PROJECT WATERSHED



SITE DESCRIPTION

Syd Kronenthal Park is a unique opportunity for a stormwater quality improvement project - ideally situated at the northern boundary of Culver City with City of Los Angeles and along the Ballona Creek. Project scope and multi-benefit impact of a successful project in this important location depends on a feasibility analysis. The proposed stormwater capture project ("Project") described in the following application includes runoff diversion from existing storm drains and Ballona Creek/Adams Channel into large-scale underground storage chambers combined with a shallow reservoir for passive irrigation for the park. Project feasibility could unlock other potential project components that include Adams Channel Nature walk, dry or wet weather flow diversions, and associated extensions of existing bike paths further into the City of Los Angeles to broaden the access to the Ballona Creek Bike Path which continues for eight miles to the Ballona Creek Wetlands and Pacific Ocean.

The most cost-effective project variation would include infiltration of the underground storage. However, further study may determine infiltration to be infeasible. Given the ideal location next to the Ballona Creek and just downstream of the Adams Channel tributary, as well as available real estate, the project would still be a valuable water quality asset for water storage during wet weather for diversion to sanitary sewer, year round irrigation, treatment and discharge, or a combination of all the above.

A preliminary analysis to identify this project included review of available soils information; and the project is located within a potential liquification zone area. Additional site-specific geotechnical study is required to determine infiltration feasibility at between 10 and 20 feet below ground surface, as well as groundwater and seismic constraints. Results of the geotechnical study would define the most appropriate type and scope of capture project. Once the type of capture project is defined, technical resources to develop scope and complete the nineteen Feasibility Study requirements.

Although not included in this project concept, the Syd Kronenthal Park facility is considered a "Critical Facility" in the City Hazard Mitigation Plan and includes a community building and Parks and Recreation offices, a daycare, and multipurpose rooms that could present an opportunity for direct reuse inside the buildings.

DESIGN CRITERIA

Precipitation, 85th percentile, 24-hr storm (in)	1.1
Runoff Volume, 85th percentile, 24-hr storm (ac-ft)	4.6
Peak Discharge, 85th Percentile, 24-hr storm (cfs)	18.0
Assumed Design Infiltration Rate (in/hr)	0.25

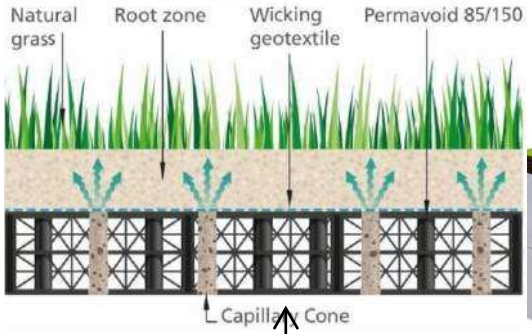
WATERSHED CHARACTERISTICS

Watershed Area (ac)	77.5
Imperviousness (%)	69
Dominant Land Use	Residential – Low Density SF / ROW

PROJECT SITE INFORMATION

Land Owner	Culver City
Street Address	2549 McManus Ave.
Latitude / Longitude	34.027454, -118.377186

CONCEPT DESIGN EXAMPLES

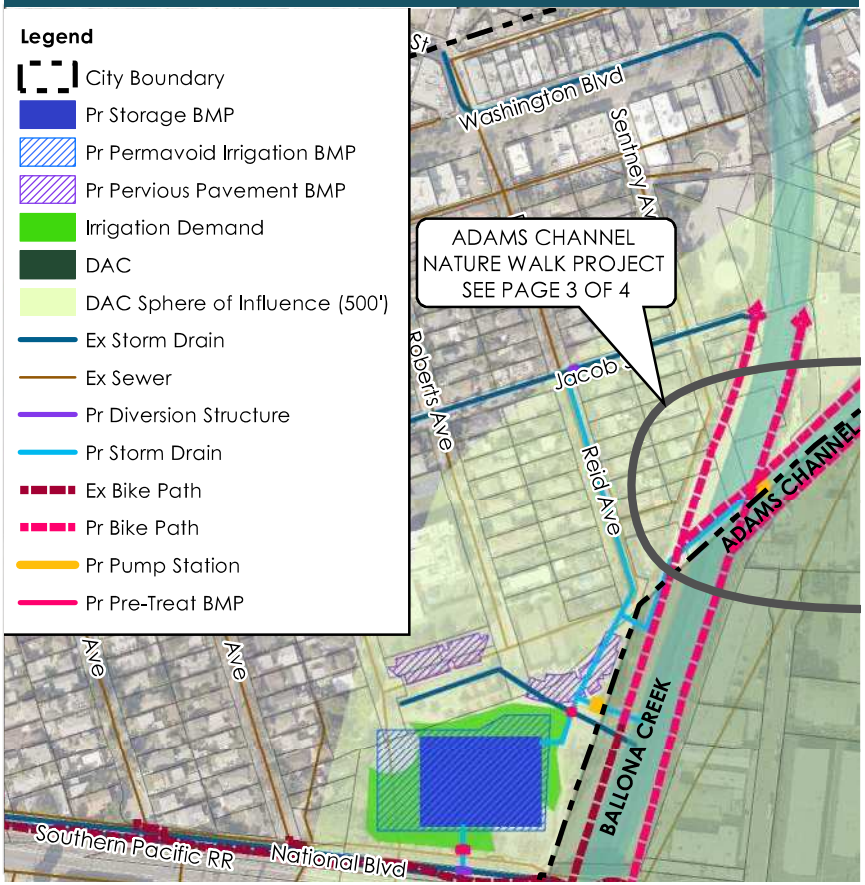


Permavoid Irrigation Shallow Reservoir

Underground Storage

Grasscrete Permeable Pavement

CONCEPT SCHEMATIC



COST ESTIMATE FOR SYD KRONENTHAL PARK PROJECT

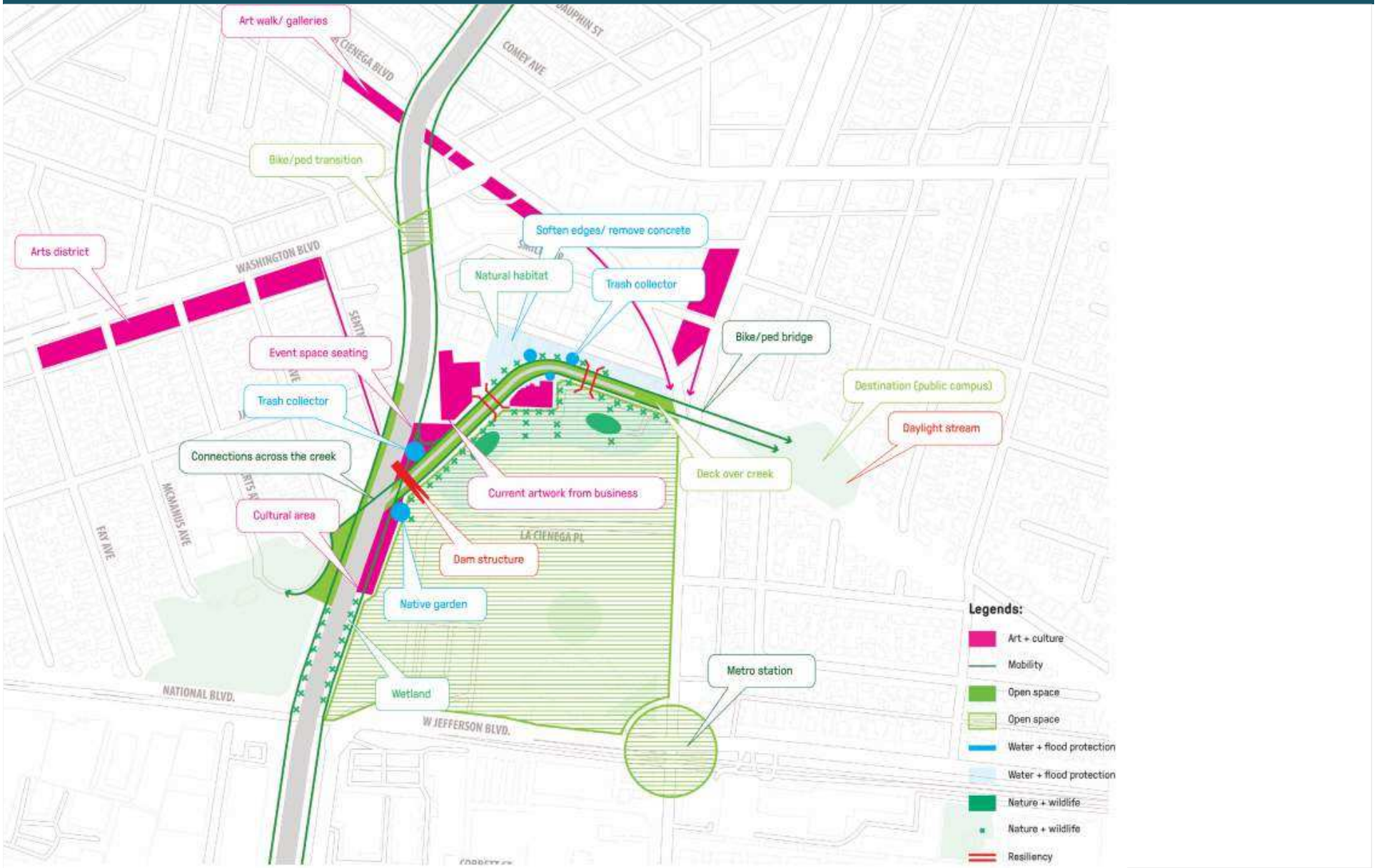
DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
Excavation Removal	21,907	CY	$50	$
Diversion Structure 0-10 cfs	2	LS	$30,000	$60,000.00
Pre-Treatment 5-10 cfs	2	LS	$20,000	$40,000.00
SD Pipe (24" RCP)	1,000	LF	$200	$200,000.00
Field Permavoid	85,930	SF	$20	$1,718,600
Parking Lot Permavoid	22,798	SF	$20	$455,960
Parking Lot Grasscrete	23,000	SF	$15	$345,000
Infiltration Structure, >10ft Cover(0-5 acft)	259,970	CF	$12.50	$3,249,625
Restoration (park)	94,5631	SF	$3	$283,593
Adams Channel Nature Walk	1	LS	$TBD	$--
Adams Channel or Ballona Creek Pump Station	1	LS	$1,500,000	$1,500,000
			CONSTRUCTION TOTAL	**$8,948,128**
Mobilization (25% construction)				$2,237,032
Contingency (25% construction)				$2,237,032
Design (10%)				$894,813
			TOTAL COST	**$14,317,005**
			COST PER VOLUME MITIGATED ($/ACFT)	**$1,477,077**

PROJECT CHARACTERISTICS

Stormwater BMP	Harvest & Use / Infiltration
Footprint (acres)	1.7
Max Design Height (ft)	6.5
Depth of Excavation (ft)	18
Depth to Groundwater (ft)	28
Pump Requirements	TBD
Design Storage Volume + 24 hr Infiltration (ac-ft)	7.6
Estimated Water Use / Capture Volume (ac-ft)	3.0 / 2.1
Total 24-hr Wet Weather Treatment Volume (ac-ft)	9.7
EWMP Equivalent Volume (ac-ft)	1.8

*Disclaimer: All elements of this conceptual design are planning-level, based on desktop analysis. All assumptions are parameters must be er-evaluated during the detailed design process. Cost estimates are based on available data. Actual costs will vary.

OFFSITE CONCEPTS – ADAMS CHANNEL NATURE WALK



ENVISION ASSESSMENT

CREDIT LIST AND LEVEL OF ACHIEVEMENT

Envision Points Table			Improved	Enhanced	Superior	Conserving	Restorative	Max Points
Quality of Life	Purpose	QL1.1 Improve Community Quality of Life	2	5	10	20	26	
		QL1.2 Enhance Public Health & Safety	2	7	12	16	20	
		QL1.3 Improve Construction Safety	2	5	10	14	—	
		QL1.4 Minimize Noise & Vibration	1	3	6	10	12	
		QL1.5 Minimize Light Pollution	1	3	6	10	12	
		QL1.6 Minimize Construction Impacts	1	2	4	8	—	182
	Wellbeing	QL2.1 Improve Community Mobility	1	3	7	11	14	~~200~~
		QL2.2 Encourage Sustainable Transportation	—	5	8	12	16	
		QL2.3 Improve Access & Wayfinding	1	5	9	14	—	
	Community	QL3.1 Advance Equity & Social Justice	3	6	10	14	18	
		~~QL3.2 Preserve Historic & Cultural Resources~~	~~—~~	~~2~~	~~7~~	~~12~~	~~18~~	
		QL3.3 Enhance Views & Local Character	1	3	7	11	14	
		QL3.4 Enhance Public Space & Amenities	1	3	7	11	14	
Leadership	Collaboration	LD1.1 Provide Effective Leadership & Commitment	2	5	12	18	—	
		LD1.2 Foster Collaboration & Teamwork	2	5	12	18	—	
		LD1.3 Provide for Stakeholder Involvement	3	6	9	14	18	
		LD1.4 Pursue Byproduct Synergies	3	6	12	14	18	
	Planning	LD2.1 Establish a Sustainability Management Plan	4	7	12	18	—	
		LD2.2 Plan for Sustainable Communities	4	6	9	12	16	182
		LD2.3 Plan for Long-Term Monitoring & Maintenance	2	5	8	12	—	
		LD2.4 Plan for End-of-Life	2	5	8	14	—	
	Economy	LD3.1 Stimulate Economic Prosperity & Development	3	6	12	20	—	
		LD3.2 Develop Local Skills & Capabilities	2	4	8	12	16	
		LD3.3 Conduct a Life-Cycle Economic Evaluation	5	7	10	12	14	
Resource Allocation	Materials	RA1.1 Support Sustainable Procurement Practices	3	6	9	12	—	
		RA1.2 Use Recycled Materials	4	6	9	16	—	
		~~RA1.3 Reduce Operational Waste~~	~~4~~	~~7~~	~~10~~	~~14~~	—	
		RA1.4 Reduce Construction Waste	4	7	10	16	—	
		RA1.5 Balance Earthwork On Site	2	4	6	8	—	
	Energy	RA2.1 Reduce Operational Energy Consumption	6	12	18	26	—	182
		RA2.2 Reduce Construction Energy Consumption	1	4	8	12	—	~~196~~
		RA2.3 Use Renewable Energy	5	10	15	20	24	
		RA2.4 Commission & Monitor Energy Systems	3	6	12	14	—	
	Water	RA3.1 Preserve Water Resources	3	5	7	9	12	
		RA3.2 Reduce Operational Water Consumption	4	9	13	17	22	
		RA3.3 Reduce Construction Water Consumption	1	3	5	8	—	
		RA3.4 Monitor Water Systems	1	3	6	12	—	
Natural World	Siting	~~NW1.1 Preserve Sites of High Ecological Value~~	~~2~~	~~6~~	~~12~~	~~16~~	~~22~~	
		NW1.2 Provide Wetland & Surface Water Buffers	2	5	10	16	20	
		~~NW1.3 Preserve Prime Farmland~~	~~—~~	~~2~~	~~8~~	~~12~~	~~16~~	
		NW1.4 Preserve Undeveloped Land	3	8	12	18	24	
	Conservation	~~NW2.1 Reclaim Brownfields~~	~~11~~	~~13~~	~~16~~	~~19~~	~~22~~	
		NW2.2 Manage Stormwater	2	4	9	17	24	154
		NW2.3 Reduce Pesticide & Fertilizer Impacts	1	2	5	9	12	~~232~~
		NW2.4 Protect Surface & Groundwater Quality	2	5	9	14	20	
	Ecology	~~NW3.1 Enhance Functional Habitats~~	~~2~~	~~5~~	~~9~~	~~15~~	~~18~~	
		NW3.2 Enhance Wetland & Surface Water Functions	3	7	12	18	20	
		NW3.3 Maintain Floodplain Functions	1	3	7	11	14	
		NW3.4 Control Invasive Species	1	2	6	9	12	
		NW3.5 Protect Soil Health	—	3	4	6	8	
Climate and Resilience	Emissions	CR1.1 Reduce Net Embodied Carbon	5	10	15	20	—	
		CR1.2 Reduce Greenhouse Gas Emissions	8	13	18	22	26	
		CR1.3 Reduce Air Pollutant Emissions	2	4	9	14	18	
	Resilience	CR2.1 Avoid Unsuitable Development	3	6	8	12	16	
		CR2.2 Assess Climate Change Vulnerability	8	14	18	20	—	190
		CR2.3 Evaluate Risk and Resilience	11	18	24	26	—	
		CR2.4 Establish Resilience Goals and Strategies	—	8	14	20	—	
		CR2.5 Maximize Resilience	11	15	20	26	—	
		CR2.6 Improve Infrastructure Integration	2	5	9	13	18	
							Maximum Total Points	890

PRELIMINARY SCORE

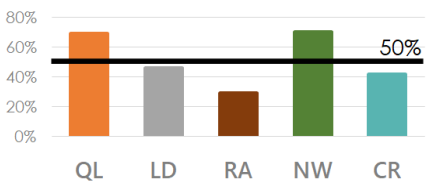
126/182 Quality of Life

84/182 Leadership

53/182 Resource Allocation

108/154 Natural World

80/190 Climate and Resilience



Potential score: 451/890 (50%)

Potential award level: Platinum

KEY SUSTAINABILITY HIGHLIGHTS

QL: Holistic assessment and collaboration to address changing social, economic, and/or environmental conditions. Enhancement of community health and safety by providing critical infrastructure to reduce risks. Creation of new community connections and active transportation facilities.

LD: Strong commitment to sustainability, community involvement, collaboration and partnerships with stakeholders.

RA: Net-positive improvement to watershed resources.

NW: Regional stormwater management, surface and ground water quality improvements, ecosystem enhancement, floodplain restoration.

CR: Climate threats shared with community, integrated risk evaulation with owner and diverse team of key stakeholders.

OPPORTUNITIES TO INCREASE SUSTAINABILITY

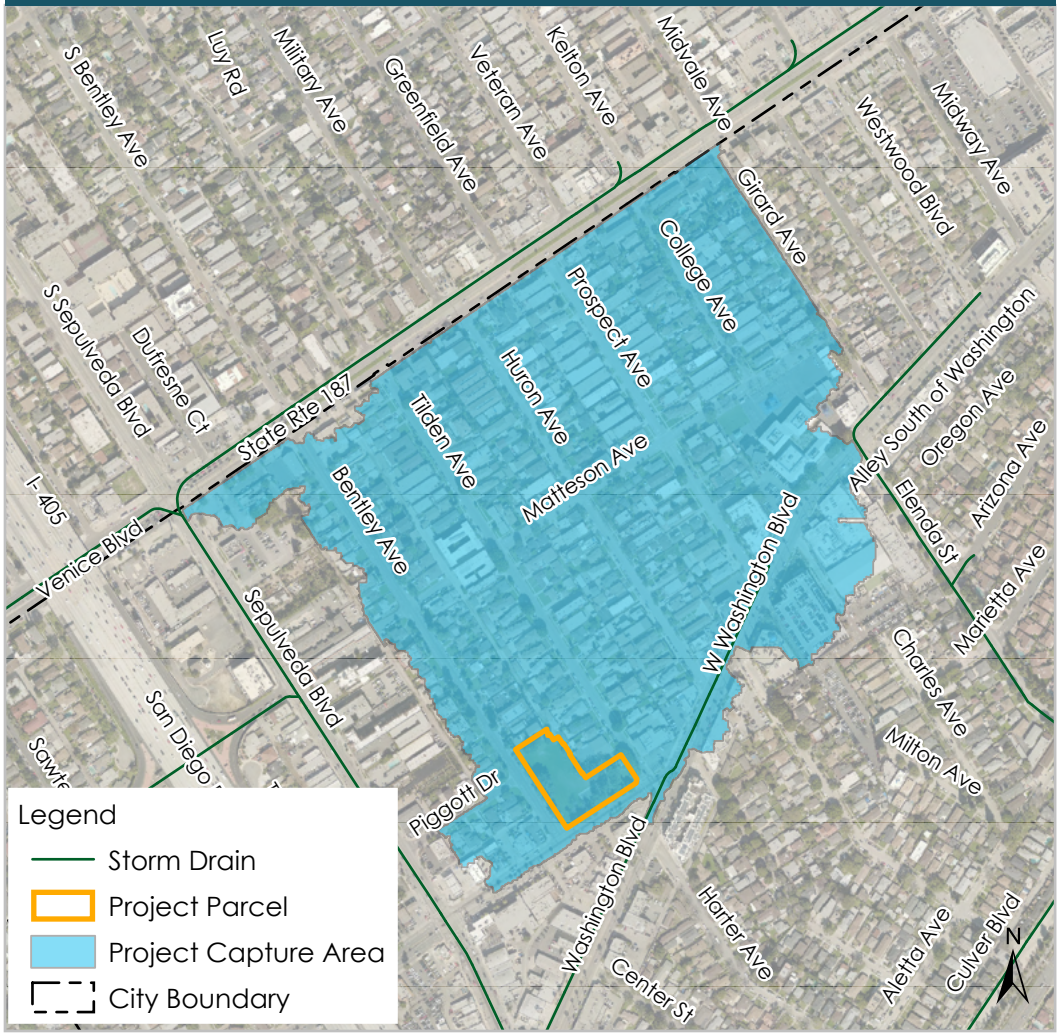
QL: Reduce noise, vibration, and light pollution impacts during construction and operation. Empower communities to engage in development process and address injustices or imbalances.

LD: Plan for end of life, develop local skills and capabilities, conduct a life cycle economic evaluation.

RA: Reduce waste, energy and water usage, increase renewable energy, balance earthwork or source/reuse within 25 miles of the site.

CR: Address air pollutant emissions, Incorporate resilience strategies into operation and maintenance of project, measure and quantify benefits of implementing resilience strategies.

PROJECT WATERSHED



WATERSHED CHARACTERISTICS

Watershed Area (acres)	72.33
Impervious Area (%)	89
Dominant Land Use	Residential - Medium Density Multiple Family

PROJECT SITE INFORMATION

Land Owner	Culver City
Street Address	Washington Pl. & Tilden Ave.
Latitude / Longitude	34 00 36.73N - 118 24 45.4W

SITE DESCRIPTION

Tellefson Park is located at the western edge of Culver City. Tellefson Park is one of the parks listed on Culver City's Five Year Capital Improvement Plan.

Evaluation of the playground area and picnic area indicated both are in good or very good conditions. The on site restrooms are in excellent condition, having been constructed in 2003. BMPs for this location have been identified as either a short term/ immediate project or a long term/ replacement and repair project.

Potential short term Capital Improvements include replacing the existing outdated playground with new play equipment. Although the playground area has been noted as in good condition, there are plans to remove the rubberized resilient surfacing and incorporate ramps for ADA accessibility. The BMP paired with this project would include installing an underground infiltration chamber.

A long term/ replacement and repair project is to renovate the turf field. BMPs to include at that time consist of infiltration chambers underneath the field with the potential to mitigate 61 percent of the water quality runoff volume from the 72 acre watershed. Runoff would be diverted from existing storm drain, and pre-treated before being conveyed into a large infiltrating chamber. A new catch basin and storm drain system may be needed to capture runoff currently sheet flowing along Bentley Avenue. BMP options also include installing a shallow reservoir to maximize natural infiltration and nature-based passive capillary irrigation and has the potential to replace 48 percent of the potable water demand from the field.

Reuse of harvested water for toilet flushing is not considered as the restrooms are still in excellent condition.

Should geotechnical conditions and groundwater depths be verified, dry wells could be added to this project to increase the volume of water mitigated. Should geotechnical investigation find infiltration to be infeasible, stored water could be pumped to sanitary sewer for reuse.

Source: City of Culver City

CONCEPT SCHEMATIC

DESIGN CRITERIA

Precipitation, 85th percentile, 24-hr storm (in)	1.1
Runoff Volume, 85th percentile, 24-hr storm (ac-ft)	5.4
Peak Discharge, 85th percentile, 24-hr storm (csf)	15.2
Infiltration Rate (in/hr)	0.25

PROJECT CHARACTERISTICS	BMP 1	BMP 2	Total
Stormwater Capture Process	Infiltration	Infiltration	
Footprint (ac-ft)	0.87	0.03	0.90
Design Height (ft)	2.5	2.5	
Depth of Excavation (ft)	16.5	16.5	
Depth to Groundwater (ft)	26	26	
EWMP Equivalent Volume (ac-ft)		1.62	
Est. Water Use / Capture Vol. (ac-ft)	1.69 / 0.81	N/A	1.69 / 0.81
Design Volume (ac-ft)	1.95	0.08	2.03
24-hr Infiltration Volume (ac-ft)	0.43	0.02	0.45
Total Treatment Volume (ac-ft)[1]	3.20	0.09	3.29
Percent Treated[2]	59%	2%	61%

1 - sum of the Design Volume and 24-hr Infiltration Volume
2 - percentage the 85th percentile 24-hr Runoff Volume that is treated

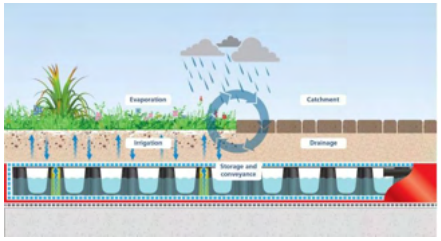
COST ESTIMATE

			DIVERSION		BMP 1		BMP 2	
ITEM	**UNIT COST**	**UNIT**	**QTY**	**AMOUNT**	**QTY**	**AMOUNT**	**QTY**	**AMOUNT**
Excavation Removal	$ 50	CY		$ -	5,256	$ 262,809	207	$ 10,340
Diversion Structure 10-30 cfs	$ 50,000	LS	1	$ 50,000		$ -		$ -
Pre-Treatment 0-5 cfs	$ 15,000	LS	1	$ 15,000		$ -		$ -
Pre-Treatment 10-15 cfs	$ 35,000	LS	1	$ 35,000		$ -		$ -
Infiltration Structure Deep [greater than 10 ft] (5 - 16 acft)	$ 9	CF		$ -	85,152	$ 745,076	3,350	$ 29,315
SD Pipe (12" RCP)	$ 120	LF	187	$ 22,440		$ -		$ -
SD Pipe (24" RCP)	$ 140	LF	390	$ 54,600		$ -		$ -
Catch Basin	$ 5,000	LS	2	$ 10,000		$ -		$ -
Permavoid	$ 20	SF		$ -	37,844	$ 756,889		$ -
Restoration/Pave	$ 10	SF		$ -		$ -	1,489	$ 14,890
Restoration (park)	$ 3	SF		$ -	37,844			$ -
CONSTRUCTION SUB TOTAL				**$ 187,040**		**$ 1,764,773**		**$ 54,546**
Mobilization (25%)				$ 46,760		$ 441,193		$ 13,636
Contingency (25%)				$ 46,760		$ 441,193		$ 13,636
Design (10%)				$ 18,704		$ 176,477		$ 5,455
TOTAL				**$ 112,224**		**$ 2,823,637**		**$ 87,273**
COST PER VOLUME TREATED ($/ac-ft)						**$ 882,167**		**$ 928,395**

CONCEPT DESIGN EXAMPLES

Underground Storage and Infiltration

Shallow Underground Infiltration



***Disclaimer:** All elements of this conceptual design are planning-level, based on desktop analysis. All assumptions and parameters must be re-evaluated during the detailed design process. Cost estimates are based on available data. Actual costs will vary.

BLUE OCEAN CIVIL CONSULTING

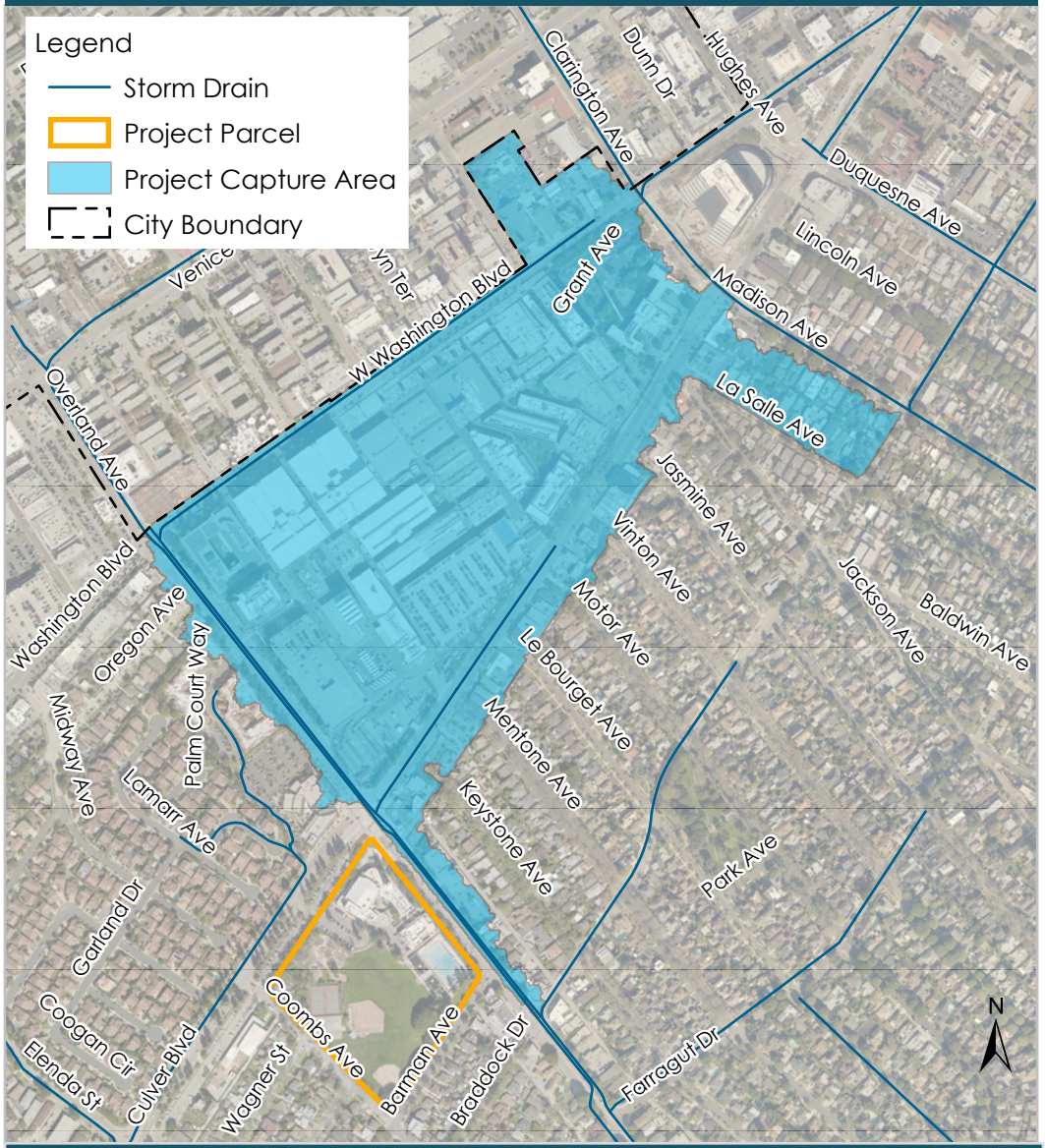
Michael Baker INTERNATIONAL

Source: City of Culver City

Culver City Stormwater Quality Master Plan

Priority Concept Project: R9 Tellefson Park

PROJECT WATERSHED



SITE DESCRIPTION

Veterans Park is located at the western edge of Culver City, and is one of the parks included in the City's Five Year Capital Improvement Plan (CIP) as well as in the Parks & Recreation Facility Conditions Assessment Report.

The concept plan includes an underground storage for infiltration under the park near Barman Avenue, as well as the opportunity to capture and reuse stormwater for park irrigation. The BMP footprint covers approximately 75 percent of the park area and would have potential capacity to capture 100% of the 85th percentile storm event runoff volume. The watershed is 78-acres and 90 percent impervious.

Stormwater would be diverted from an existing 48-inch-diameter storm drain in Overland Avenue. Gravity flow could convey the water through pretreatment and into the storage chambers. Stored water would ideally be infiltrated, pending geotechnical study and constraints. A shallow reservoir could be pump-filled from the deeper storage to be used as passive irrigation for the field grass above. Approximately 80% of the potable irrigation demand from the fields could be replaced.

Should site specific geotechnical investigation show infiltration is infeasible, stormwater capture for delayed release to sanitary sewer would be an alternative option for this site due to proximity to sewer. Maximizing capacity at this location could also provide opportunities for credit trading and increased overall progress toward Ballona Creek EWMP compliance targets, as the majority of this watershed falls within the City of Los Angeles.

PROJECT SITE INFORMATION

Land Owner	Culver City
Street Address	4117 Overland Ave.
Latitude / Longitude	34 00 41.70N - 118 24 08.6W

WATERSHED CHARACTERISTICS

Watershed Area (acres)	78.0
Impervious Area (%)	90
Dominant Land Use	Studio

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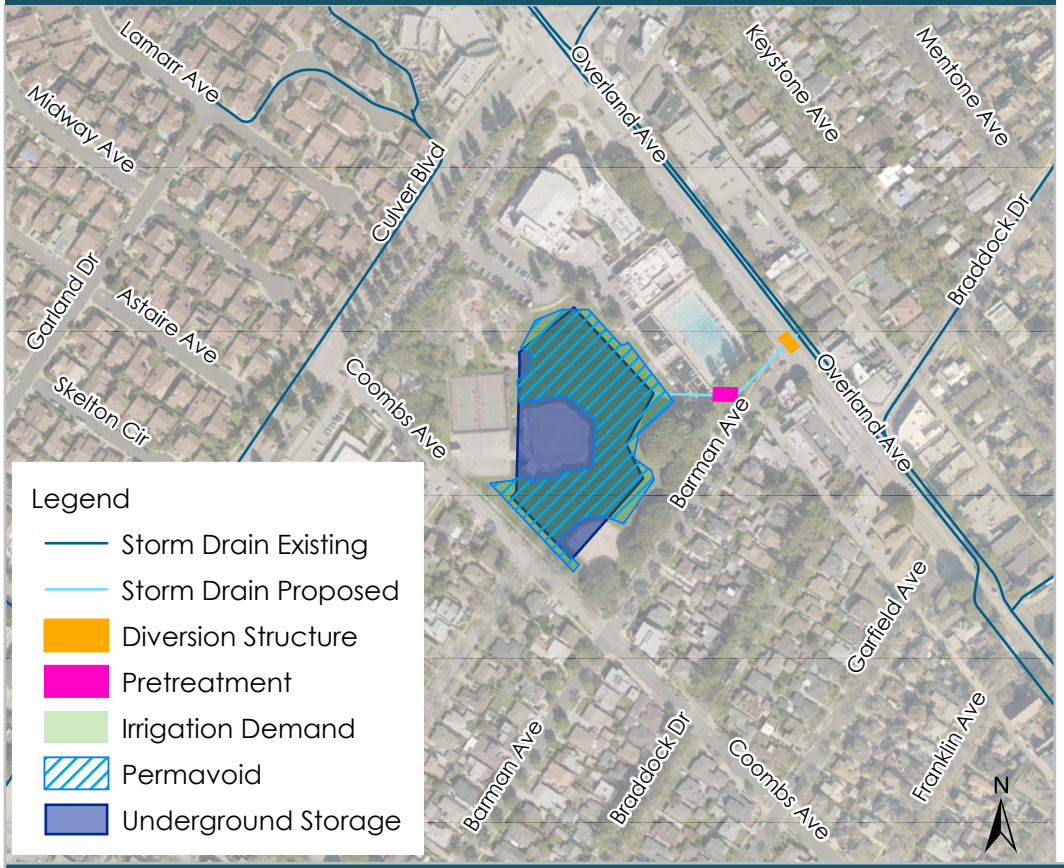
Michael Baker INTERNATIONAL

Source: City of Culver City

Culver City Stormwater Quality Master Plan

Priority Concept Project: R10 Veterans Park

CONCEPT SCHEMATIC



DESIGN CRITERIA

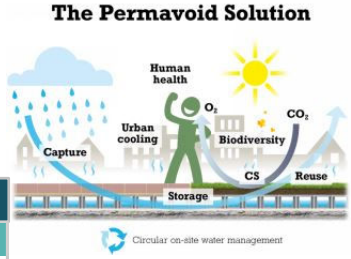
Precipitation, 85th percentile, 24-hr storm (in)	1.1
Runoff Volume, 85th percentile, 24-hr storm (ac-ft)	5.9
Peak Discharge, 85th percentile, 24-hr storm (cfs)	15.3
Infiltration Rate (in/hr)	0.25

PROJECT CHARACTERISTICS

Stormwater Capture Process	Infiltration/Harvest & Use
Footprint (acres)	2.60
Design Height (ft)	2.5
Depth of Excavation (ft)	15.3
Depth to Groundwater (ft)	28
EWMP Equivalent Volume (acft)	1.7
Est. Water Use / Capture Vol. (acft)	2.89 / 2.18
Design Volume (acft)	5.85
24-hr Infiltration Volume (acft)	1.30
Total Treatment Volume (acft) [1]	**9.33**
Percent Treated [2]	**158%**

1 - Sum of Design Volume, 24-hr Infiltration Volume, and Capture Volume
2 - Percentage the 85th percentile 24-hr Runoff Volume that is treated

CONCEPT DESIGN EXAMPLES



Underground Storage and Infiltration Chambers

COST ESTIMATE

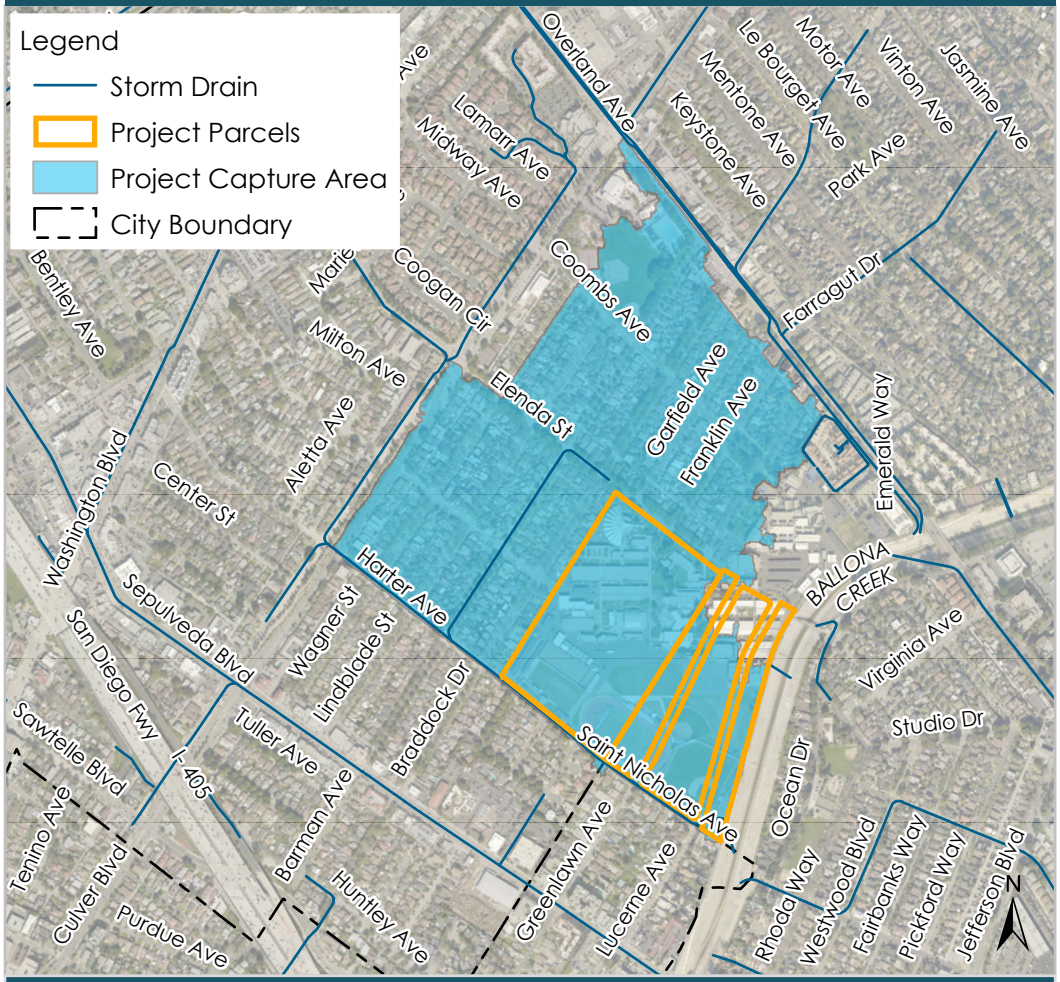
ITEM	UNIT COST	UNIT	QTY	AMOUNT
Diversion Structure 10-30 cfs	$ 50,000	LS	1	$ 50,000
Pre-Treatment 10-15 cfs	$ 35,000	LS	1	$ 35,000
SD Pipe (24" RCP)	$ 140	LF	380	$ 53,200
Excavation Removal	$ 50	CY	15,730	$ 786,500
Permavoid	$ 20	SF	101,756	$ 2,035,123
Infiltration Structure Deep [greater than 10 ft] (5 - 16 acft)	$ 9	CF	254,831	$ 2,229,768
Restoration (park)	$ 3	SF	113,256	$ 339,768
CONSTRUCTION SUB TOTAL				**$ 5,529,360**
Mobilization (25%)				$ 1,382,340
Contingency (25%)				$ 1,382,340
Design (10%)				$ 552,936
TOTAL				**$ 8,846,975**
COST PER VOLUME TREATED ($/ACFT)				**$ 1,208,603**

***Disclaimer:** All elements of this conceptual design are planning-level, based on desktop analysis. All assumptions and parameters must be re-evaluated during the detailed design process. Cost estimates are based on available data. Actual costs will vary.

BLUE OCEAN CIVIL CONSULTING
Michael Baker INTERNATIONAL

Source: City of Culver City

PROJECT WATERSHED



PROJECT SITE INFORMATION

Land Owner	Culver City Unified School District
Street Address	4401 Elenda St.
Latitude / Longitude	34 0012.01N - 118 24 03.2W

WATERSHED CHARACTERISTICS

Watershed Area (acres)	131.67
Impervious Area (%)	69
Dominant Land Use	Residential - Low Density Single Family

SITE DESCRIPTION

Culver City High School is located at the south boundary of Culver City with City of Los Angeles, along the west edge of Ballona Creek. This project presents opportunities to combine MS4 Phase II water quality requirements for school districts with multi-benefit water quality projects.

The concept plan was developed as a modular design for flexible implementation to best fit Culver City Unified School District (CCUSD) and City goals and budgets. The project includes large scale infiltration chambers underneath athletic fields with the potential to capture more than 100% of the water quality runoff volume from the 132 acre watershed. Runoff would be diverted from existing storm drains in two locations, pumped, and pre-treated before being conveyed into large infiltrating chambers, potentially in series. BMP options also include field turf replacement with a shallow reservoir to maximize natural infiltration and nature-based passive capillary irrigation or pavement replacement. These shallow reservoirs help reduce heat island effect by regulating field and pavement temperatures while providing water supply benefits.

Although not included in this project concept, school buildings could be an opportunity for interior re-use, since rainfall typically occurs during fall and winter months when schools are in session. Another alternative could capture of stormwater for delayed release to sanitary sewer based on proximity to existing sanitary sewer lines. Additionally, because this Project has the potential to capture more than 100% of the water quality volume, it could be a candidate for credit trading once a program becomes available.

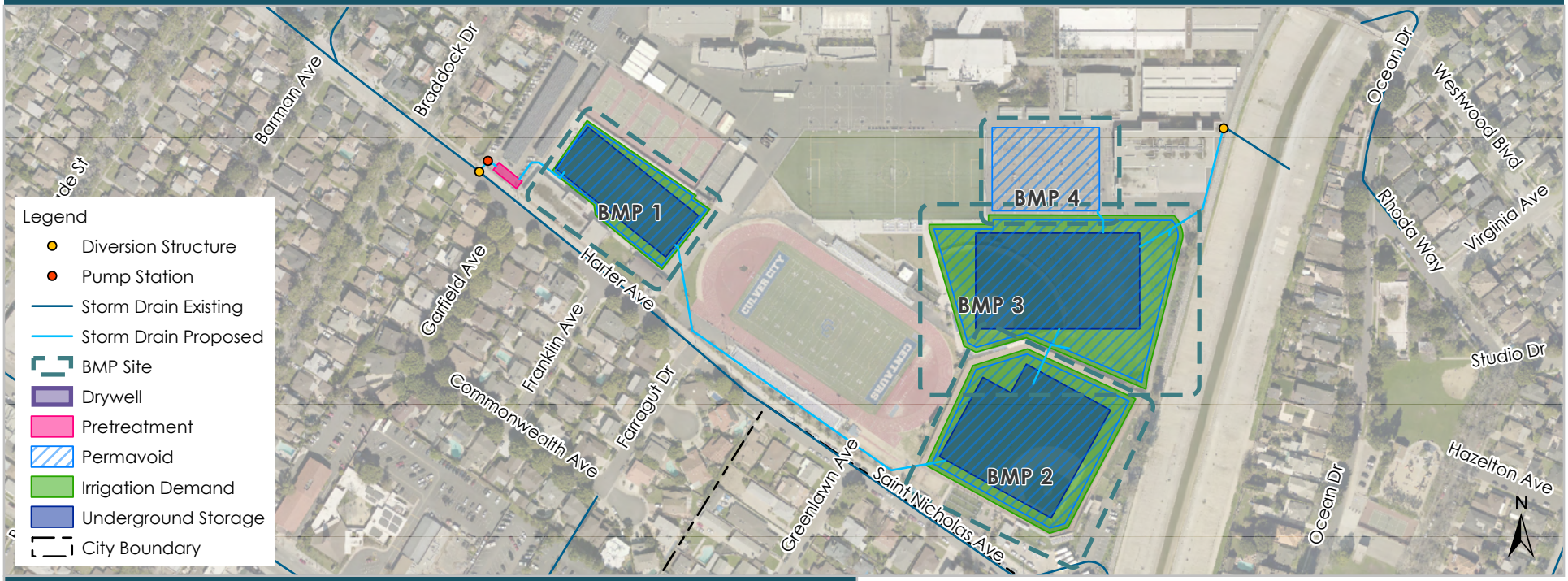
BMP1: Underground storage aand infiltration gallery with irrigation reuse opportunity. Water is diverted from existing 78-inch storm drain in Harter Avenue and pre-treated. Overflow could be conveyed to BMPs 2, 3, and/or 4.

BMP2: Underground storage and infiltration gallery with irrigation reuse opportunity.

BMP3: Underground storage and infiltration gallery with irrigation reuse opportunity. Diversion of existing direct connection to Ballona Creek storm drain back to project BMPs.

BMP4: Shallow underground infiltration to add infiltration surface could be coupled with a pavement replacement project with pervious pavement.

CONCEPT SCHEMATIC



DESIGN CRITERIA

Precipitation, 85th percentile, 24-hr storm (in)	1.1
Runoff Volume, 85th percentile, 24-hr storm (ac-ft)	7.9
Peak Discharge, 85th percentile, 24-hr storm (csf)	21.1
Infiltration Rate (in/hr)	0.25

PROJECT CHARACTERISTICS	BMP 1	BMP 2	BMP 3	BMP 4	Total
Stormwater Capture Process		Infiltration / Harvest & Use		Infiltration	
Footprint (acft)	0.78	1.53	1.65	0.93	4.90
Design Height (ft)	2.5	2.5	2.5	1.0	
Depth of Excavation (ft)	6.5	7.5	7.5	4.0	
Depth to Groundwater (ft)	24	24	24	24	
EWMP Equivalent Volume (acft)			2.39		
Est.Water Use / Capture Vol. (acft)	1.89 / 0.94	4.16 / 2.02	5.57 / 2.72	NA	11.63 / 5.68
Design Volume (acft)	1.76	3.45	3.70	0.88	9.79
24-hr Infiltration Volume (acft)	0.39	0.77	0.82	0.47	2.45
Total Treatment Volume (acft) [1]	3.09	6.24	7.25	1.35	17.92
Percent Treated[2]	39%	79%	92%	17%	228%

1 - Sum of the Design Volume, 24-hr Infiltration Volume, and Capture Volume
2 - Percentage the 85th percentile 24-hr Runoff Volume that is treated

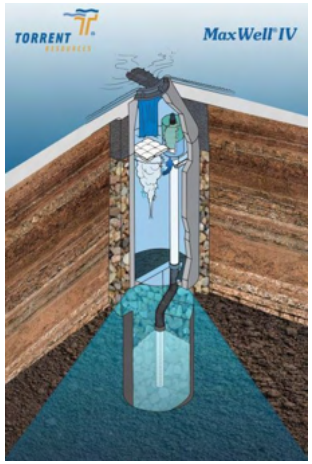
BLUE OCEAN CIVIL CONSULTING
Michael Baker INTERNATIONAL

Source: City of Culver City

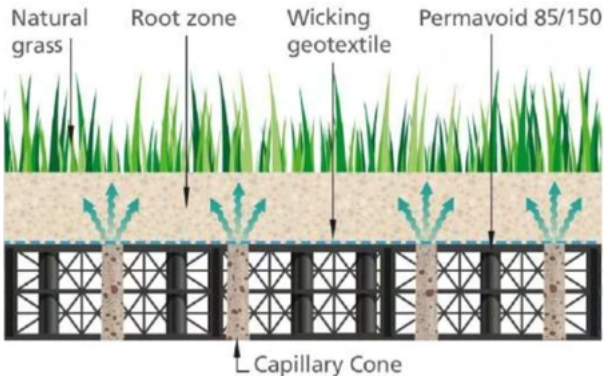
CONCEPT DESIGN EXAMPLES

Infiltration Chambers

Dry Well



Shallow Reservoir Under Hardscape or Landscape & as Base Replacement for Pavement Repair



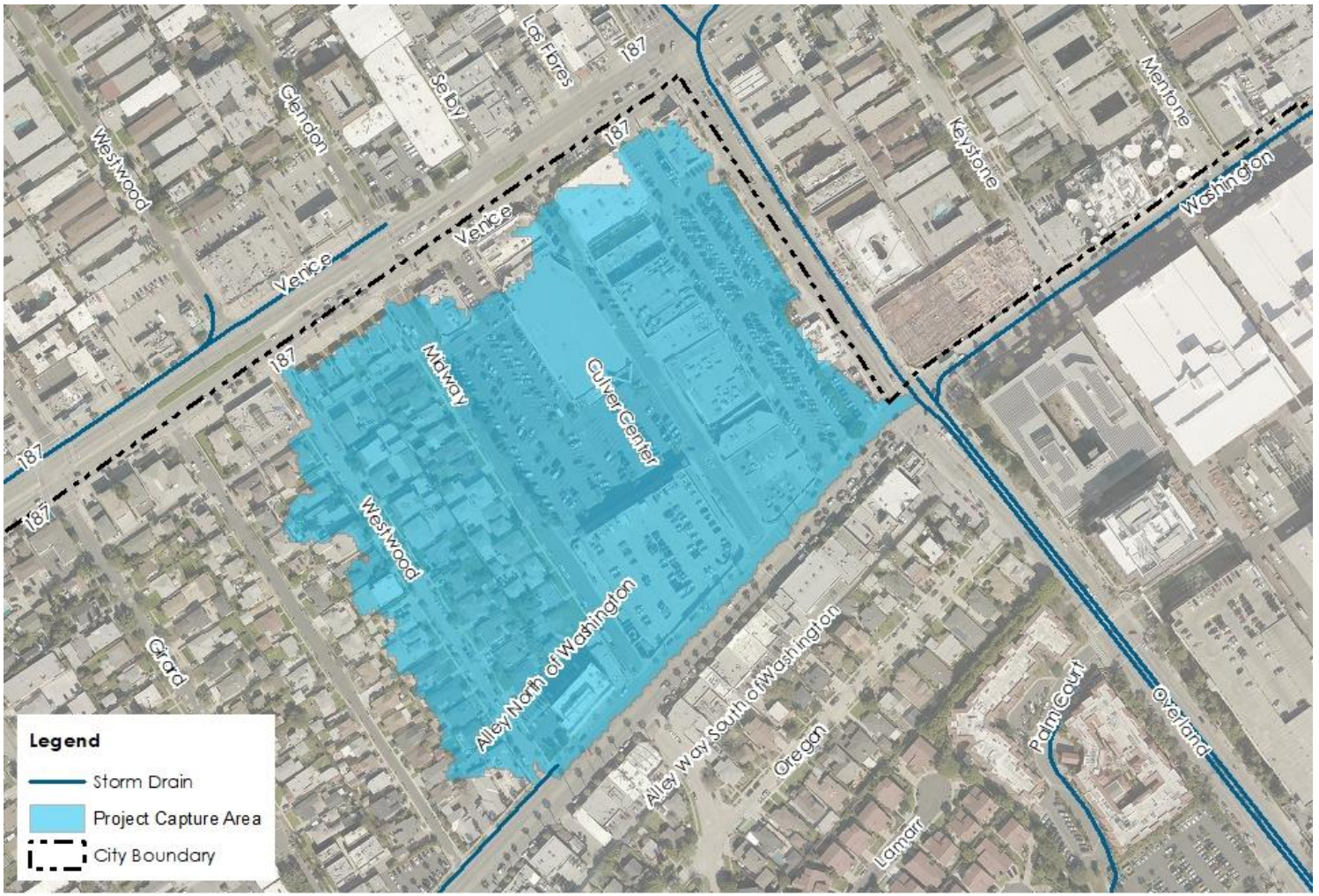
COST ESTIMATE

			DIVERSION		BMP 1		BMP 2		BMP 3		BMP 4		TOTAL
ITEM	**UNIT COST**	**UNIT**	**QTY**	**AMOUNT**	**QTY**	**AMOUNT**	**QTY**	**AMOUNT**	**QTY**	**AMOUNT**	**QTY**	**AMOUNT**	
Diversion Structure 10-30 cfs	$ 50,000	LS	1	$ 50,000		$ -		$ -		$ -		$ -	$ 50,000
Pre-Treatment 10-15 cfs	$ 35,000	LS	1	$ 35,000		$ -		$ -		$ -		$ -	$ 35,000
Pump Structure (10 cfs)	$ 1,500,000	LS	1	$ 1,500,000		$ -		$ -		$ -		$ -	$ 1,500,000
SD Pipe (24" RCP)	$ 140	LF	170	$ 23,800		$ -		$ -		$ -		$ -	$ 23,800
Excavation Removal	$ 50	CY		$ -	4,731	$ 236,563	9,283	$ 464,167	9,956	$ 497,778	2,261	$ 113,056	$ 1,311,563
SD Pipe (12" HDPE)	$ 80	LF		$ -		$ -	800	$ 64,000	400	$ 32,000		$ -	$ 96,000
Permavoid	$ 20	SF		$ -	43,760	$ 875,200	94,200	$ 1,883,993	126,910	$ 2,538,197	40,700	$ 814,000	$ 6,111,390
Infiltration Structure (0-5 acft)	$ 10	CF		$ -	76,648	$ 766,477	150,393	$ 1,503,928	161,283	$ 1,612,830		$ -	$ 3,883,234
Restoration (park)	$ 3	SF		$ -	48,400	$ 145,200	106,470	$ 319,410	142,680	$ 428,040	950	$ 2,850	$ 895,500
Restoration/Pave	$ 10	SF		$ -		$ -		$ -		$ -	142,680	$ 1,426,800	$ 1,426,800
CONSTRUCTION SUB TOTAL				**$ 1,608,800**		**$ 2,023,439**		**$ 4,235,497**		**$ 5,108,844**		**$ 2,356,706**	**$ 15,333,286**
Mobilization (25%)				$ 402,200		$ 505,860		$ 1,058,874		$ 1,277,211		$ 589,176	$ 3,833,322
Contingency (25%)				$ 402,200		$ 505,860		$ 1,058,874		$ 1,277,211		$ 589,176	$ 3,833,322
Design (10%)				$ 160,880		$ 202,344		$ 423,550		$ 510,884		$ 235,671	$ 1,533,329
TOTAL				**$ 2,574,080**		**$ 3,237,503**		**$ 6,776,796**		**$ 8,174,151**		**$ 3,770,729**	**$ 24,533,258**
COST PER VOLUME TREATED ($/ACFT)						**$ 1,881,346**		**$ 1,086,039**		**$ 1,127,941**		**$ 2,802,569**	**$ 1,368,937**

***Disclaimer:** All elements of this conceptual design are planning-level, based on desktop analysis. All assumptions and parameters must be re-evaluated during the detailed design process. Cost estimates are based on available data. Actual costs will vary.

Source: City of Culver City

PROJECT WATERSHED



SITE DESCRIPTION

This concept plan was developed for multiple dry wells located on Washington Blvd between Overland Ave and Westwood Blvd. The dry wells will have the potential to capture and infiltrate a majority of the water quality runoff volume from the 18.55 acre watershed. Runoff will continue to follow its existing drainage condition and sheet flow to the curb and gutter. The dry wells will be equipped with a diversion structure to allow excess runoff to bypass the system.

Drywells will be installed adjacent to the three existing catch basins at the intersection of Washington Blvd and Westwood Blvd. In addition, three dry wells will be installed along Washington Blvd within the drainage area.

Six dry wells are proposed as an estimated representation of average conditions, however, the actual number may be adjusted pending site specific geotechnical analysis.

DESIGN CRITERIA

Precipitation, 85th percentile, 24-hr storm (in)	1.1
Runoff Volume, 85th percentile, 24-hr storm (ac-ft)	1.3
Peak Discharge, 85th Percentile, 24-hr storm (cfs)	4.0
Infiltration Rate (in/hr)	0.5

WATERSHED CHARACTERISTICS

Watershed Area (ac)	18.55
Impervious Area (%)	82
Dominant Land Use	Commercial

PROJECT SITE INFORMATION

Land Owner	Culver City
Street Address	Washington Blvd
Latitude / Longitude	34 00 54.0N, -118 24 27.9W

BLUE OCEAN CIVIL CONSULTING

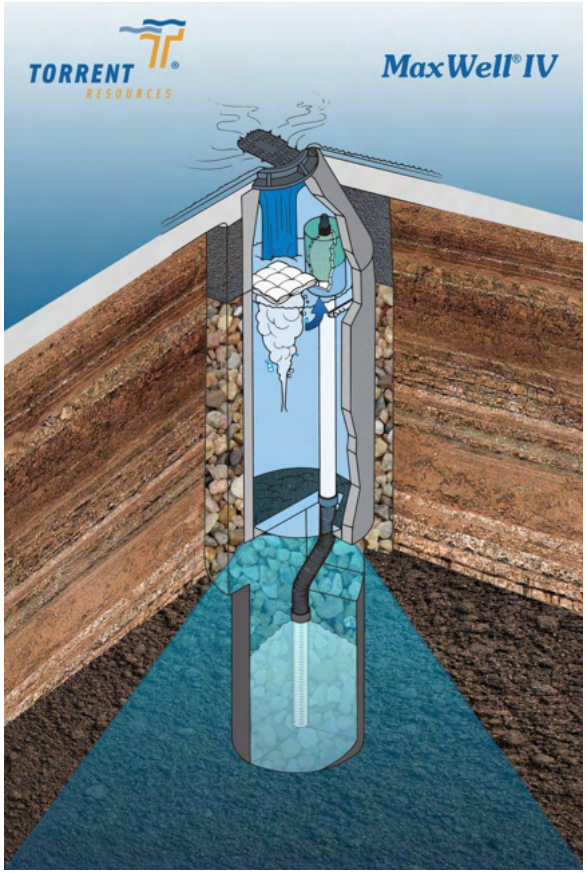
Michael Baker INTERNATIONAL

Culver City Stormwater Quality Master Plan

Priority Concept Project: D28 Washington Blvd Dry Wells

CONCEPT SCHEMATIC

CONCEPT DESIGN EXAMPLE



COST ESTIMATE FOR WASHINGTON BLVD DRY WELLS PROJECT

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
Excavation Removal	113	CY	$50.00	$5,655
Dry Well	6	EA	$30,000.00	$180,000
Restoration/ Pave	3,000	SF	$10.00	$30,000
			CONSTRUCTION TOTAL	**$215,655**
Mobilization (25% construction)				$53,914
Contingency (25% construction)				$53,914
Design (10% total)				$21,565
			TOTAL COST	**$345,048**
			COST PER VOLUME MITIGATED ($/ACFT)	**$273,807**

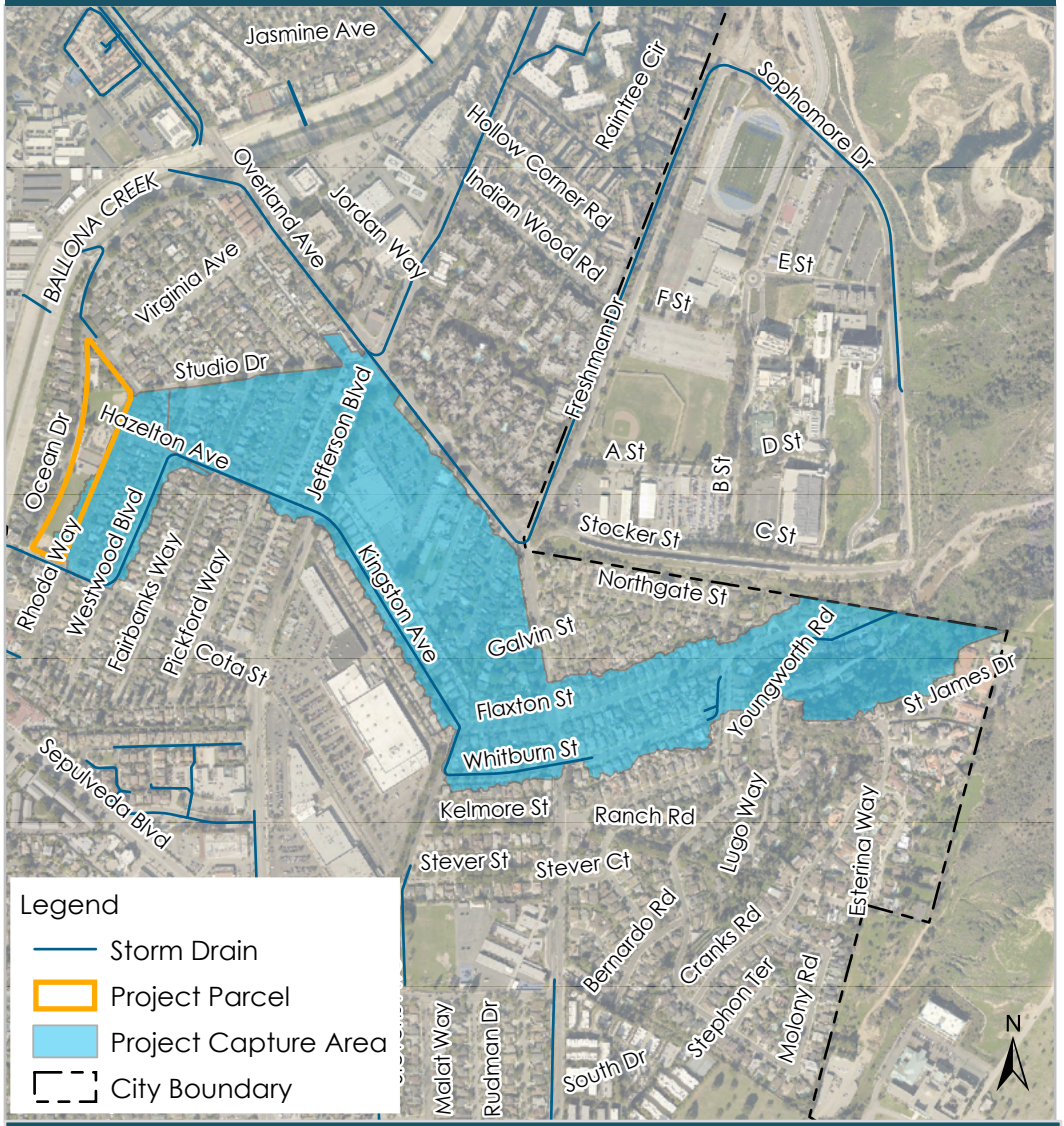
*Disclaimer: All elements of this conceptual design are planning-level, based on desktop analysis. All assumptions are parameters must be re-evaluated during the detailed design process. Cost estimates are based on available data. Actual costs will vary.

PROJECT CHARACTERISTICS

Stormwater BMP Type	Infiltration
Soil Type	B
BMP Design Height (ft)	18
Depth to Groundwater (ft)	36
Depth of Excavation (ft)	22
EWMP Equivalent Volume (ac-ft)	1.03
Design Volume (ac-ft)	0.07
24-hr Infiltration Volume (ac-ft)	1.19
Total Treatment Volume (ac-ft)[1]	1.26
Percent Treated[2]	98%

1 – Sum of the Design Volume, 24-hr Infiltration Volume, and Capture Volume
2 – Percent the 85th percentile, 24-hr Runoff Volume that is treated

PROJECT WATERSHED



SITE DESCRIPTION

Lindberg Park is located at the southern edge of Culver City near the eastern bank of Ballona Creek. It is one of the parks with planned improvements included in the City's Capital Improvement Plan (CIP), as well as in the Parks & Recreation Facility Conditions Assessment Report.

This concept plan was developed with the timeline of CIP improvements in mind; BMPs for this location have been identified as long-term replacement and repair projects.

The drainage area of Lindberg Park is approximately 75 acres and 67 percent impervious. BMPs would include two underground infiltration galleries. BMP1 would be located on the south side of Lindberg Park near Cota Street and BMP2 would be located on the north side of the park near Kingston Avenue. The BMPs together would have capacity to capture more than 100 percent of the 85th percentile storm volume.

A pump structure would divert water from the existing 75-inch-diameter storm drain in Cota Street. Water would be conveyed through pretreatment and into BMP1 at the south side of the park. Overflows from BMP1 could be conveyed to BMP2 at the north side of the park. A new catch basin and storm drain pipe may be required to capture surface runoff in Cota Street.

Harvested water could also be used for reuse as irrigation in the park, with potential to supply approximately 80% of the potable irrigation demand. Reuse of harvested water for toilet flushing was not considered as part of this concept plan, as restrooms are still in good condition.

PROJECT SITE INFORMATION

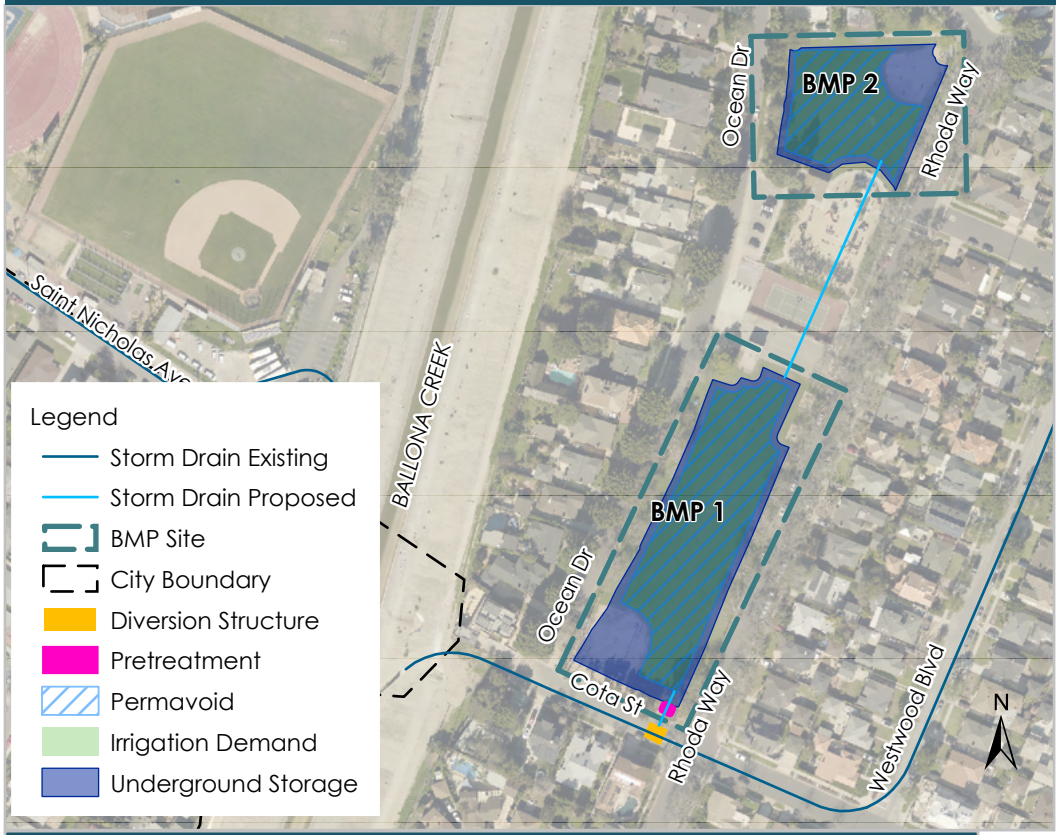
Land Owner	Culver City
Street Address	5041 Rhoda Way
Latitude / Longitude	34 00 07.09N - 118 23 55.7W

WATERSHED CHARACTERISTICS

Watershed Area (acres)	75.01
Impervious Area (%)	67.4
Dominant Land Use	Residential - Low Density Single Family

Source: City of Culver City

CONCEPT SCHEMATIC



DESIGN CRITERIA

Precipitation, 85th percentile, 24-hr storm (in)	1.1
Runoff Volume, 85th percentile, 24-hr storm (ac-ft)	4.40
Peak Discharge, 85th percentile, 24-hr storm (cfs)	10.50
Infiltration Rate (in/hr)	0.25

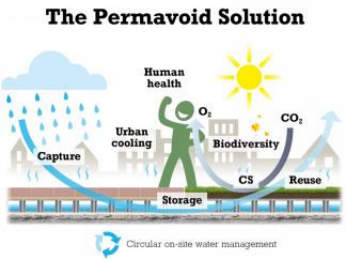
PROJECT CHARACTERISTICS	BMP1	BMP2
Stormwater Capture Process	Infiltration / Harvest & Use	
Footprint (acres)	1.27	0.68
Design Height (ft)	2.5	2.5
Depth of Excavation (ft)	6.5	14.25
Depth to Groundwater (ft)	24	25
EWMP Equivalent Volume (acft)	0.17	1.53
Est.Water Use / Capture Vol. (acft)	1.14/0.83	0.60/0.44
Design Volume (acft)	2.85	1.53
24-hr Infiltration Volume (acft)	0.63	0.38
Total Treatment Volume (acft) [1]	**4.32**	**2.35**
Percent Treated [2]	**98%**	**53%**

1 - Sum of the Design Volume, 24-hr Infiltration Volume, and reuse capture venture
2 - Percentage the 85th percentile 24-hr Runoff Volume that is treated

CONCEPT DESIGN EXAMPLES

COST ESTIMATE

			BMP 1		BMP 2	
ITEM	UNIT COST	UNIT	QTY	AMOUNT	QTY	AMOUNT
Diversion Structure 10-30 cfs	$ 50,000	LS	1	$50,000		$0
Pre-Treatment 10-15 cfs	$ 35,000	LS	1	$35,000		$0
SD Pipe (24" RCP)	$ 140	LF	50	$7,000	650	$91,000
Pump (10.5 cfs)	$ 1,700,000	LS	1	$1,700,000		$0
Excavation Removal	$ 50	CY	7,659	$382,965	4,114	$205,700
Permavoid	$ 20	SF	38,891	$777,825	20,316	$406,314
Infiltration Structure (0-5 acft)	$ 10	CF	124,083	$1,240,829		$0
Infiltration Structure Deep	$ 13	CF	0	$0	66,648	$833,100
Restoration (park)	$ 3	SF	55,147	$165,441	29,621	$88,862
CONSTRUCTION SUB TOTAL				**$ 4,359,060**		**$1,624,977**
Mobilization (25%)				$1,089,765		$406,244
Contingency (25%)				$1,089,765		$406,244
Design (10%)				$435,906		$162,498
TOTAL				**$ 6,974,496**		**$2,599,963**
COST PER VOLUME TREATED ($/ACFT)				**$ 1,616,115**		**$1,106,730**

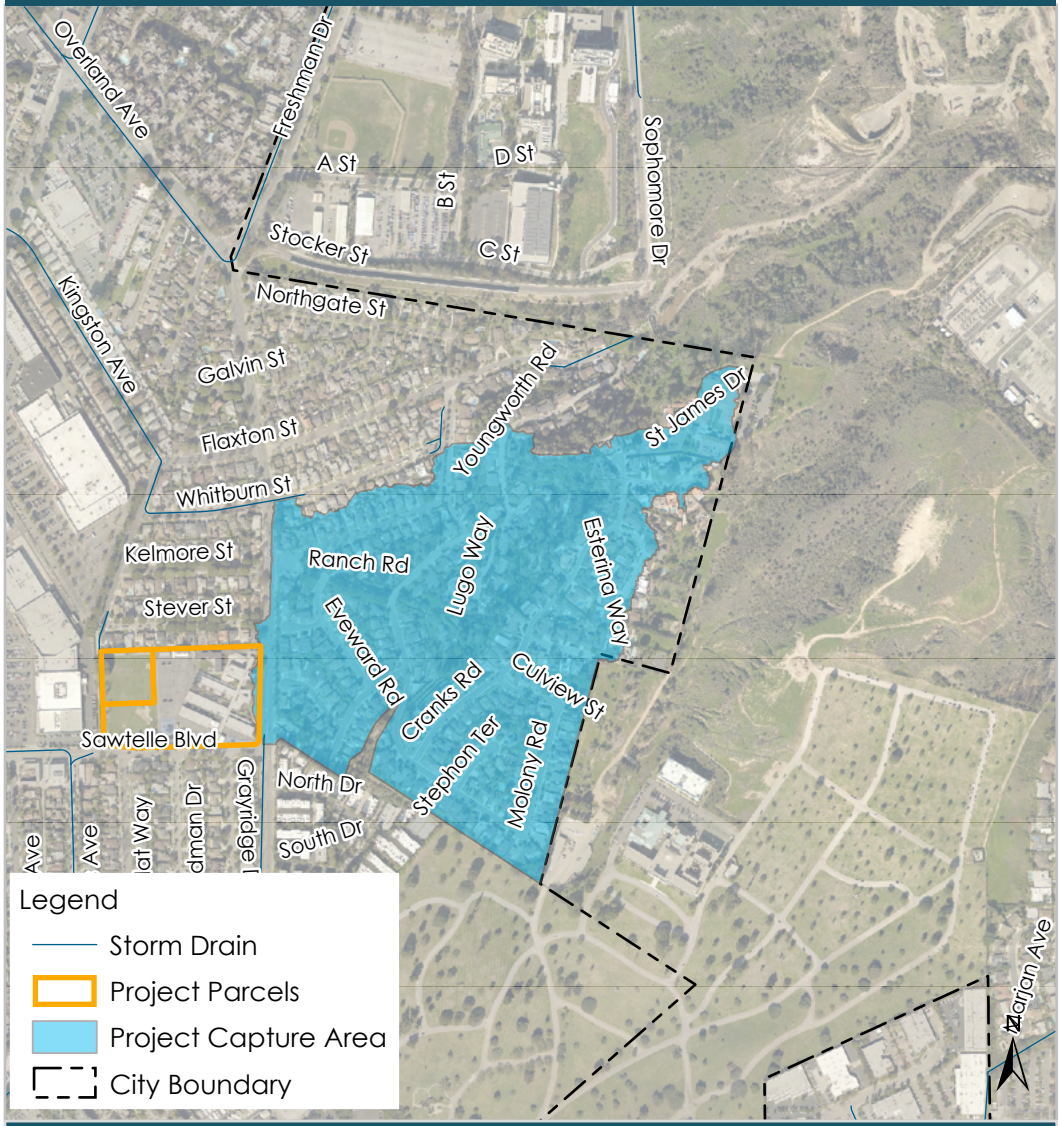


Infiltration Chamber

***Disclaimer:** All elements of this conceptual design are planning-level, based on desktop analysis. All assumptions and parameters must be re-evaluated during the detailed design process. Cost estimates are based on available data. Actual costs will vary.

Source: City of Culver City

PROJECT WATERSHED



SITE DESCRIPTION

Blanco Park is located on Sawtelle Blvd at Overland Drive just east of El Rincon Elementary school. The park area includes a picnic area, soft ball diamond, and an open turf area. The park is located near the upstream end of a storm drain system that drains into Centinela Creek, a tributary of Ballona Creek. The storm drain system is anecdotally over capacity and flooding is often observed in Overland Drive. The location of the park would be ideal to divert 95 acres of open space/residential land use which would otherwise contribute to local flooding.

This Concept Project includes large scale infiltration chambers underneath the park with the potential to more than 100% of the water quality volume. Runoff would be diverted from an existing 48" storm drain in Overland Drive and pre-treated before gravity draining into the infiltration structure. Using a shallow reservoir to maximize natural infiltration and nature-based passive capillary irrigation under the turf could replace up to 30% of the estimated water use of the field. These shallow reservoirs help reduce heat island effect by regulating field temperatures while providing water supply benefits. Removing the water quality volume from the MS4 and Ballona Creek would improve flood conveyance in the systems.

PROJECT SITE INFORMATION

Land Owner	Culver City
Street Address	5801 Sawtelle Blvd.
Latitude / Longitude	33 59 45.35N – 118 23 33.0W

WATERSHED CHARACTERISTICS

Watershed Area (acres)	65.47
Impervious Area (%)	58
Dominant Land Use	Residential - Low Density Single Family

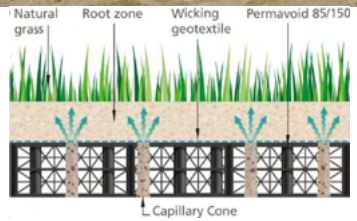
Source: City of Culver City

CONCEPT SCHEMATIC

CONCEPT DESIGN EXAMPLES

Infiltration Chambers

Natural Infiltration and Nature-based Passive Capillary Irrigation



DESIGN CRITERIA

Precipitation, 85th percentile, 24-hr storm (in)	1.1
Runoff Volume, 85th percentile, 24-hr storm (ac-ft)	3.4
Peak Discharge, 85th percentile, 24-hr storm (cfs)	19.7
Infiltration Rate (in/hr)	0.25

COST ESTIMATE

ITEM	UNIT COST	UNIT	QTY	AMOUNT
Excavation Removal	$ 50	CY	6,514	$ 325,694
Diversion Structure 10-30 cfs	$ 50,000	LS	1	$ 50,000
Pre-Treatment 15-20 cfs	$ 50,000	LS	1	$ 50,000
SD Pipe (30" RCP)	$ 190	LS	660	$ 125,400
Permavoid	$ 20	SF	72,198	$ 1,443,954
Infiltration Structure (0-5 acft)	$ 10	CF	105,527	$ 1,055,269
Restoration (park)	$ 3	SF	125,980	$ 377,940
CONSTRUCTION SUB TOTAL				**$ 3,428,258**
Mobilization (25%)				$ 857,064
Contingency (25%)				$ 857,064
Design (10%)				$ 342,826
TOTAL				**$ 5,485,213**
COST PER VOLUME TREATED ($/ACFT)				**$ 1,216,444**

PROJECT CHARACTERISTICS

Stormwater Capture Process	Infiltration / Harvest & Use
Footprint (acres)	1.08
Design Height (ft)	2.5
Depth of Excavation (ft)	7.5
Depth to Groundwater (ft)	21
EWMP Equivalent Volume (acft)	1.34
Estimated Water Use / Capture Volume (acft)	3.69 / 1.55
Design Volume	2.42
24-hr Infiltration Volume (acft)	0.54
Total Treatment Volume (acft) [1]	4.51
Percent Treated [2]	133%

1 - Sum of the Design Volume, 24-hr Infiltration Volume, and Capture Vo
2 - Percentage the 85th percentile 24-hr Runoff Volume that is treated

***Disclaimer:** All elements of this conceptual design are planning-level, based on desktop analysis. All assumptions and parameters must be re-evaluated during the detailed design process. Cost estimates are based on available data. Actual costs will vary.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

Source: City of Culver City

PROJECT WATERSHED

SITE DESCRIPTION

This concept plan was developed for a residential greenstreet project located along Madison Ave between Culver Blvd and Ballona Creek.

This project will consist of biofiltration and retention in the parkways with accommodation of existing mature trees and utilities. Including harvest and use.

The greenstreet improvements has the potential to mitigate up to 109 percent of the water quality runoff volume from the 21.35 acre watershed. Including harvest and use Permavoid reservoirs can help augment water supply by keeping water available for the existing vegetation and trees and replace 73 percent of the potable water demand. All work proposed in this area would have to be reviewed by an arborist and the Urban Forester to ensure that the health of the existing street trees is maintained.

Two dry wells will be installed adjacent to the existing inlet located upstream of Ballona Creek. The actual number and location will depend on site-specific geotechnical conditions.

DESIGN CRITERIA

Precipitation, 85th percentile, 24-hr storm (in)	1.1
Runoff Volume, 85th percentile, 24-hr storm (ac-ft)	1.4
Peak Discharge, 85th Percentile, 24-hr storm (cfs)	3.3
Infiltration Rate (in/hr)	0.5
Biofiltration Media Rate (in/hr)	2.5

WATERSHED CHARACTERISTICS

Watershed Area (ac)	21.35
Impervious Area (%)	76
Dominant Land Use	Residential - Low Density Multi Family

PROJECT SITE INFORMATION

Land Owner	Culver City
Street Address	Madison Ave
Latitude / Longitude	34 1 3.7N, -118 23 38.5W

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

Culver City Stormwater Quality Master Plan
Priority Concept Project: BR91 Madison Ave Greenstreet

CONCEPT SCHEMATIC

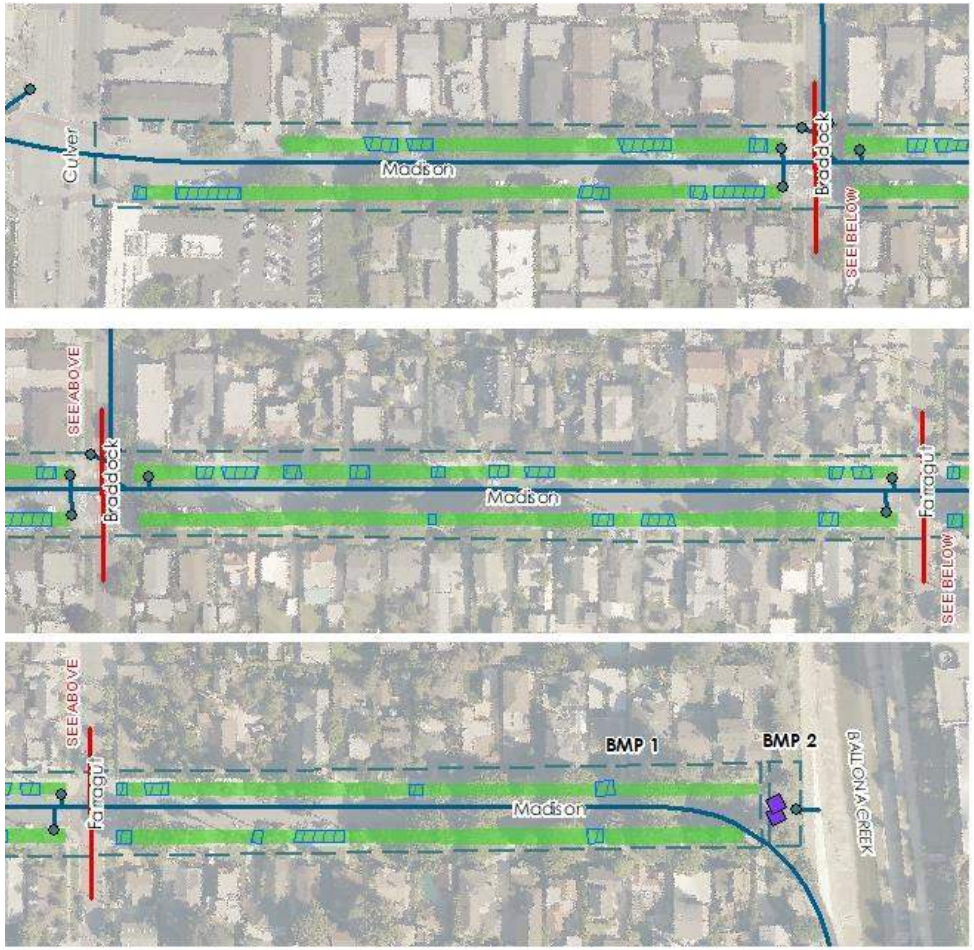
PROJECT CHARACTERISTICS	BMP 1	BMP 2
Stormwater Capture Process	Bioretention/ Harvest & Use	Infiltration
Footprint (acres)	0.27	56.55 sf
Design Height (ft)	4	31
Depth of Excavation (ft)	5	35
Depth to Groundwater (ft)	45	45
EWMP Equivalent Volume (acft)	0.14	
Est. Water Use/ Capture Vol. (acft)	1.54/ 1.13	N/A
Design Volume (acft)	0.24	0.00
24-hr Infiltration Volume (acft)	0.14	0.40
Total Treatment Volume (acft)[1]	1.51	0.40
Percent Treated[2]	109%	29%

1 – Sum of the Design Volume, 24-hr Infiltration Volume, and Capture Volume
2- Percent the 85th percentile 24-hr Runoff Volume that is treated

COST ESTIMATE FOR MADISON AVE GREENSTREET PROJECT

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
Excavation Removal	4,667	CY	$50	$233,367
Bioretention Cell	11,926	SF	$30	$357,789
Curb & Gutter	4,615	LF	$25	$115,375
Permavoid	52,707	SF	$20	$1,054,146
Restoration/ Pave	10,230	SF	$10	$102,300
Dry Well	2	EA	$30,000	$60,000
			CONSTRUCTION COST	**$1,922,976**
Mobilization (25% construction)				$480,744
Contingency (25% construction)				$480,744
Design (10% total)				$192,298
			TOTAL COST	**$3,076,762**
			COST PER VOLUME MITIGATED ($/ACFT)	**$1,609,733**

CONCEPT DESIGN EXAMPLE



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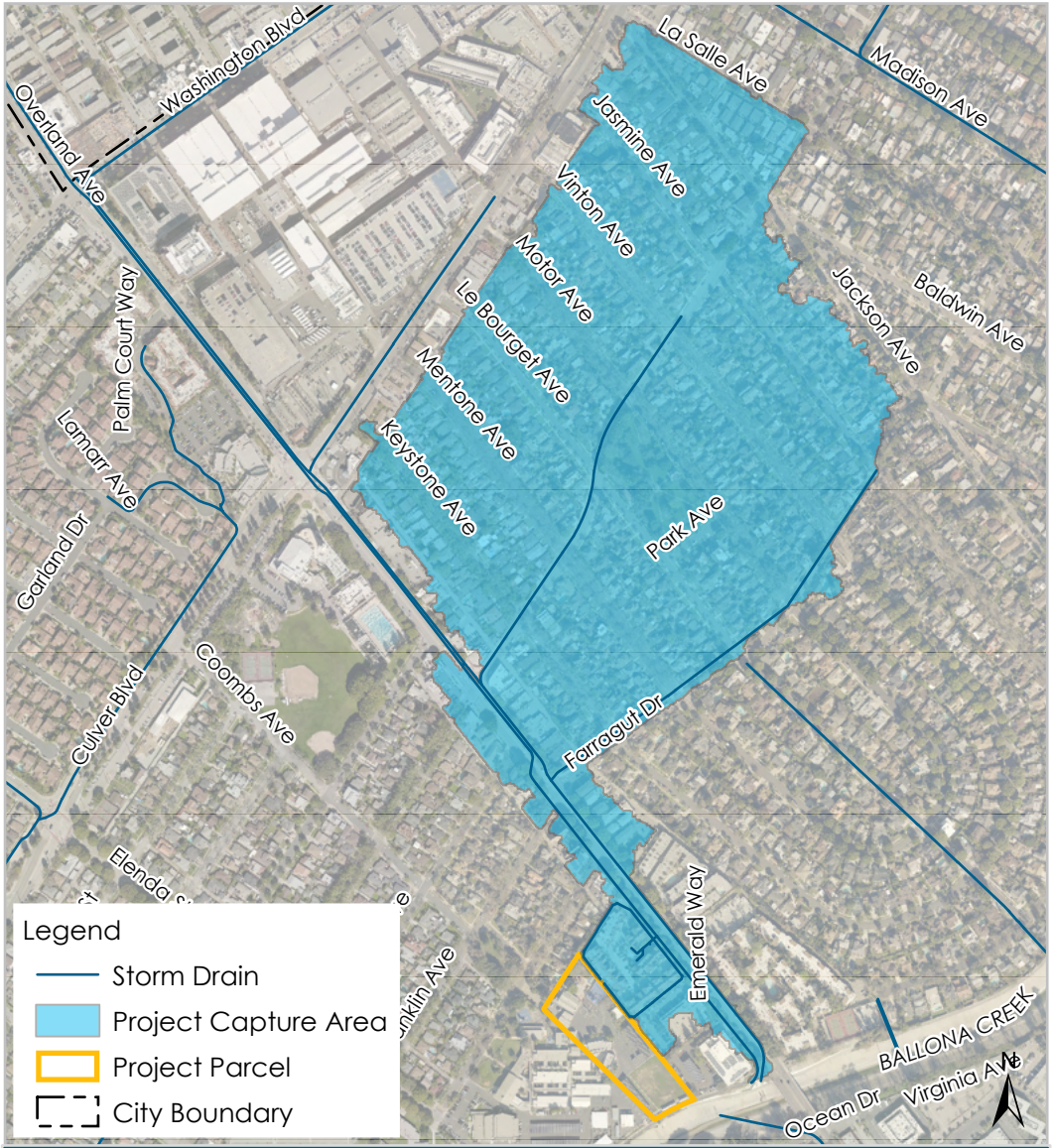
PROJECT WATERSHED



SITE DESCRIPTION

Farragut Elementary School is located near the center of the City along the Ballona Creek. This project presents opportunities to combine MS4 Phase II water quality requirements for school districts with multi-benefit water quality projects.

The concept plan was developed as a modular design for flexible implementation to best fit Culver City Unified School District (CCUSD) and City goals and budgets. The project includes infiltration chambers underneath the field with the potential to mitigate 43 percent of the water quality runoff volume from the 91-acre watershed. Runoff would be diverted from existing storm drain and pre-treated before being conveyed into underground infiltrating storage. BMP options include a shallow reservoir under the sports fields to maximize natural infiltration and reuse for nature-based passive irrigation and has the potential to replace 46 percent of the potable water demand from the field. Opportunities for converting impervious areas to pervious pavements with additional underground infiltration storage could be considered when pavement replacement projects are planned.

Should geotechnical conditions and groundwater depths be verified, dry wells could be added to this project to increase the volume of water mitigated. Although not included in this project concept, school buildings could be an opportunity for interior re-use, since rainfall typically occurs during fall and winter months when schools are in session. A small garden is located on site that could also benefit from the harvested stormwater. Another alternative could capture of stormwater for delayed release to sanitary sewer based on proximity to existing sanitary sewer lines.

PROJECT SITE INFORMATION

Land Owner	Culver City Unified School District
Street Address	10820 Farragut Dr
Latitude / Longitude	34 00 26.13N - 118 23 52.4W

WATERSHED CHARACTERISTICS

Watershed Area (acres)	90.86
Impervious Area (%)	68
Dominant Land Use	Residential - Low Density Multiple Family

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

Culver City Stormwater Quality Master Plan

Priority Concept Project: R2 Farragut Elementary School

Source: City of Culver City

CONCEPT SCHEMATIC

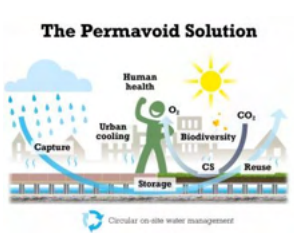
DESIGN CRITERIA

Precipitation, 85th percentile, 24-hr storm (in)	1.1
Runoff Volume, 85th percentile, 24-hr storm (acft)	5.4
Peak Discharge, 85th percentile, 24-hr storm (cfs)	16
Infiltration Rate (in/hr)	0.25

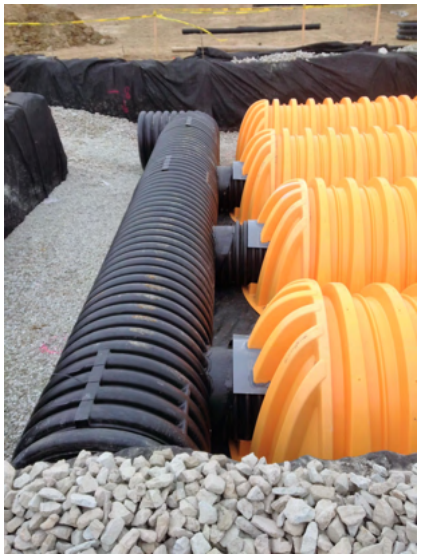
PROJECT CHARACTERISTICS	BMP 1	BMP 2	Total
Stormwater Capture Process	Infiltration/Harvest & Use	Infiltration	
Footprint (acft)	0.34	0.34	0.68
Design Height (ft)	2.5	2.5	
Depth of Excavation (ft)	20.5	5.5	
Depth to Groundwater (ft)	34.0	34	
EWMP Equivalent Volume (acft)	1.63		
Est. Water Use/Capture Vol.(acft)	0.98/.046	NA	0.98/.046
Design Volume (acft)	0.77	.75	1.53
24-hr Infiltration Volume (acft)	.017	0.17	0.34
Total Treatment Volume (acft) [1]	1.40	0.92	2.32
Percent Treated [2]	26%	17%	43%

1 - Sum of the Design Volume, 24-hr Infiltration Volume, and Capture Volume
2 - Percentage the 85th percentile 24-hr Runoff Volume that is treated

CONCEPT DESIGN EXAMPLES



Underground Storage and Infiltration Chambers



COST ESTIMATE

			DIVERSION		BMP 1		BMP 2	
ITEM	**UNIT COST**	**UNIT**	**QTY**	**AMOUNT**	**QTY**	**AMOUNT**	**QTY**	**AMOUNT**
Diversion Structure 10-30 cfs	$ 50,000	LS	1	$ 50,000		$ -		$ -
Pre-Treatment 10-15 cfs	$ 35,000	LS	1	$ 35,000		$ -		$ -
SD Pipe (24" RCP)	$ 140	LF	0	$ -		$ -		$ -
Excavation Removal	$ 50	CY		$ -	2,083	$ 104,167	2,028	$ 101,389
Permavoid	$ 20	SF		$ -	21,260	$ 425,200		$ -
Infiltration Structure (0-5 acft)	$ 10	CF		$ -		$ -	32,851	$ 328,506
Infiltration Structure Deep	$ 13	CF			33,751	$ 421,883		
Restoration (park)	$ 3	SF		$ -	33,466	$ 100,398		$ -
Restoration/Pave	$ 10	SF		$ -		$ -	14,600	$ 146,000
CONSTRUCTION SUB TOTAL				**$ 85,000**		**$ 1,051,648**		**$575,895**
MOBILIZATION (25%)				$ 21,250		$ 262,912		$ 143,974
CONTINGENCY (25%)				$ 21,250		$ 262,912		$ 143,974
DESIGN (10%)				$ 8,500		$ 105,165		$ 57,589
TOTAL				**$136,000**		**$ 1,682,636**		**$921,432**
COST PER VOLUME TREATED ($/ACFT)						**$ 1,296,326**		**$999,675**

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PROJECT WATERSHED

SITE DESCRIPTION

Originally identified as a greenstreeet opportunity, this location is better suited for dry wells based on visual inspection, high traffic volume, and because this street is critical for City emergency operations. Dry wells are ideal for locations with deeper groundwater, where open space is limited, or where other constraints exist to limit construction duration.

This concept plan was developed for multiple dry wells located on Duquesne Ave between Culver Blvd and Ballona Creek. The dry wells will have the potential to capture and infiltrate the water quality runoff volume from the 19.27 acre watershed. Runoff will continue to flow in its existing drainage condition to sheet flow to the curb and gutter. The dry wells will be equipped with a diversion structure to allow excess runoff to bypass the system.

Street flow in Duquesne Ave are intended to be captured by dry wells placed at five of the existing catch basins. Two additional dry wells will be installed along Duquesne Ave. The existing catch basin located at the north corner of Duquesne Ave and Lucerne Ave accepts flows from both streets. Two dry wells will be installed on opposite sides of that catch basin. The catch basins located on the other cross streets are not currently considered as part of this project.

The locations of the nine dry wells are proposed as an estimated representation of average conditions. The actual number and location will depend on site-specific geotechnical conditions.

DUQUESNE AVE & LUCERNE AVE INTERSECTION

DESIGN CRITERIA

Precipitation, 85th percentile, 24-hr storm (in)	1.1
Runoff Volume, 85th percentile, 24-hr storm (ac-ft)	1.4
Peak Discharge, 85th Percentile, 24-hr storm (cfs)	3.5
Infiltration Rate (in/hr)	0.25

WATERSHED CHARACTERISTICS

Watershed Area (ac)	19.27
Impervious Area (%)	88
Dominant Land Use	Residential – Low/ Medium Density MF

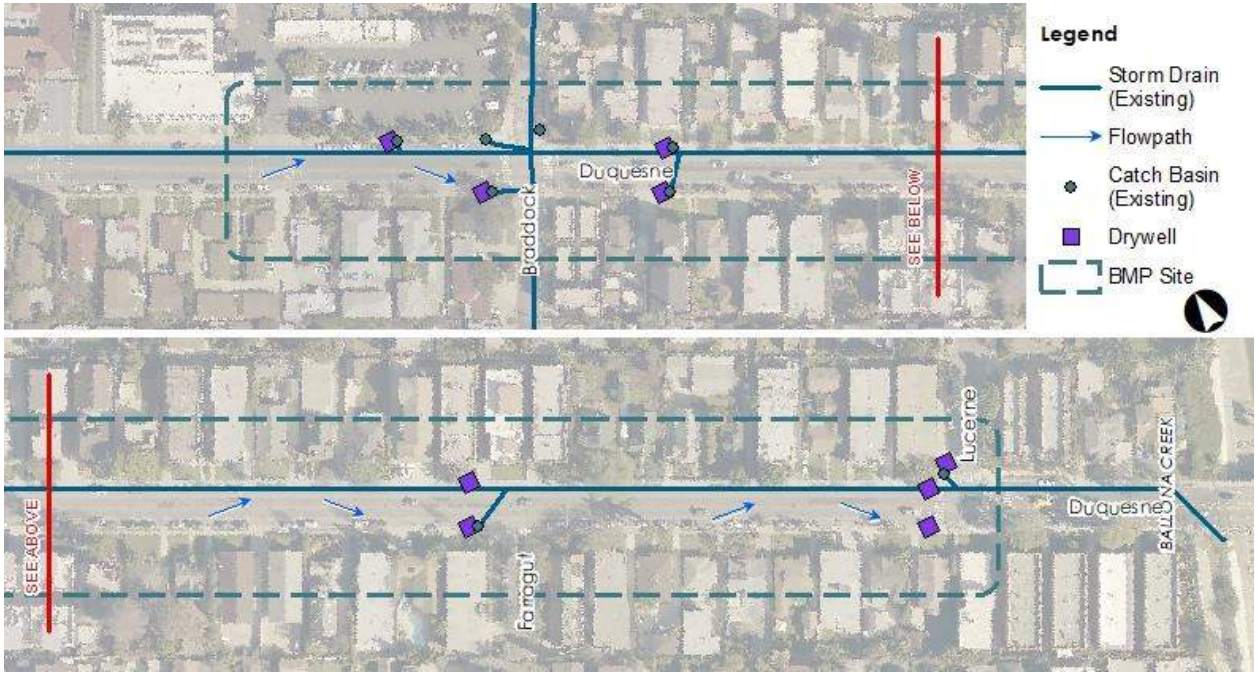
PROJECT SITE INFORMATION

Land Owner	Culver City
Street Address	Duquesne Ave
Latitude / Longitude	34 1 9.3N, -118 23 34.4W

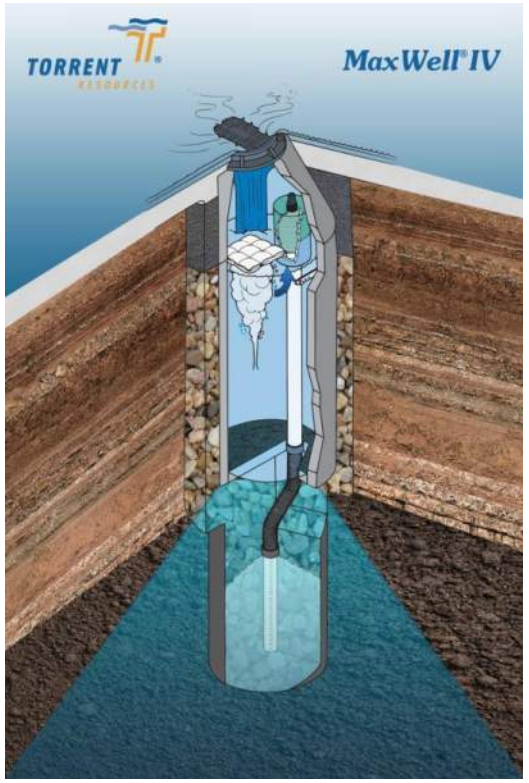
BLUE OCEAN CIVIL CONSULTING · Michael Baker INTERNATIONAL

Culver City Stormwater Quality Master Plan
Priority Concept Project: BR43 Duquesne Ave Dry Wells

CONCEPT SCHEMATIC



CONCEPT DESIGN EXAMPLE



COST ESTIMATE FOR DUQUESNE AVE GREEN STREET PROJECT

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
Excavation Removal	174	CY	$50	$8,692
Dry Well	9	EA	$30,000	$270,000
Restoration/ Pave	4,500	SF	$10	$45,000
			CONSTRUCTION TOTAL	**$323,692**
Mobilization (25% construction)				$80,923
Contingency (25% construction)				$80,923
Design (10% total)				$32,369
			TOTAL COST	**$517,907**
			COST PER VOLUME MITIGATED ($/ACFT)	**$273,609**

PROJECT CHARACTERISTICS

Stormwater BMP Type	Infiltration
Soil Type	B
BMP Design Height (ft)	Ranges from 16 to 24
Depth to Groundwater	Ranges from 30 to 38
Depth of Excavation	Ranges from 20 to 28
EWMP Equivalent Volume (ac-ft)	1.42
Design Volume (ac-ft)	0.11
24-hr Infiltration Volume (ac-ft)	1.79
Total Treatment Volume (ac-ft)[1]	1.89
Percent Treated[2]	134%

1 – Sum of the Design Volume, 24-hr Infiltration Volume, and Capture Volume
2 – Percent the 85th percentile, 24-hr Runoff Volume that is treated

*Disclaimer: All elements of this conceptual design are planning-level, based on desktop analysis. All assumptions are parameters must be re-evaluated during the detailed design process. Cost estimates are based on available data. Actual costs will vary.

PROJECT WATERSHED

GALVIN STREET TREES

SITE DESCRIPTION

The greenstreet project on Northgate is an option in response to the City's request to incorporate stormwater quality solutions into an effort to maintain two healthy ficus trees on Galvin Street. Currently, these two trees are healthy but impacting pavements in the right of way. Based on consultation with the city Urban Forester, the root zone on these two trees are extensive - saturation of the soils and/or subsurface root disturbance is not advised. Instead, an increased the air/gas exchange area is proposed in the form of an extended curb and elimination of the sidewalk on the east edge of Galvin Street. Runoff from the street and an existing gutter behind the lots could flow through this extended planter in a rain garden-type landscape, butwould not be encouraged to pond and infiltrate. Filtered water should continue to flow out towards Northgate Street. All work proposed in the area would have to be reviewed by an arborist. This project alone would not be designed to capture stormwater runoff.

To address stormwater capture, a residential greenstreet project may be installed downstream of the ficus trees. The project would consist of biofiltration and retention in the parkways with accommodation of existing mature street trees. Including harvest and use Permavoid reservoirs would augment water supply by keeping water available to the landscape plants and street trees for a longer period of time. All work proposed in this area would also have to be reviewed by an arborist and the Urban Forester to ensure that the health of existing street trees is maintained.

Due to the retrofit nature of the project, biofiltration cell areas may be limited and will not be able to accommodate 85th percentile runoff from the tributary watershed. Depending on site-specific geotechnical conditions, additional capture could be achieved by constructing dry wells at the downstream end of the Northgate Street.

DESIGN CRITERIA

Precipitation, 85th percentile, 24-hr storm (in)	1.1
Runoff Volume, 85th percentile, 24-hr storm (ac-ft)	0.2
Peak Discharge, 85th Percentile, 24-hr storm (cfs)	0.7
Assumed Infiltration/Biofiltration Media infiltration rate (in/hr)	0.25/2.5

WATERSHED CHARACTERISTICS

Watershed Area/Approx treated Area (ac)	4.33 / 1.75
Imperviousness (%)	50
Dominant Land Use	Residential – Low Density SF / ROW

PROJECT SITE INFORMATION

Land Owner	Culver City
Street Address	10725 Galvin St.
Latitude / Longitude	34.000966, -118.388536

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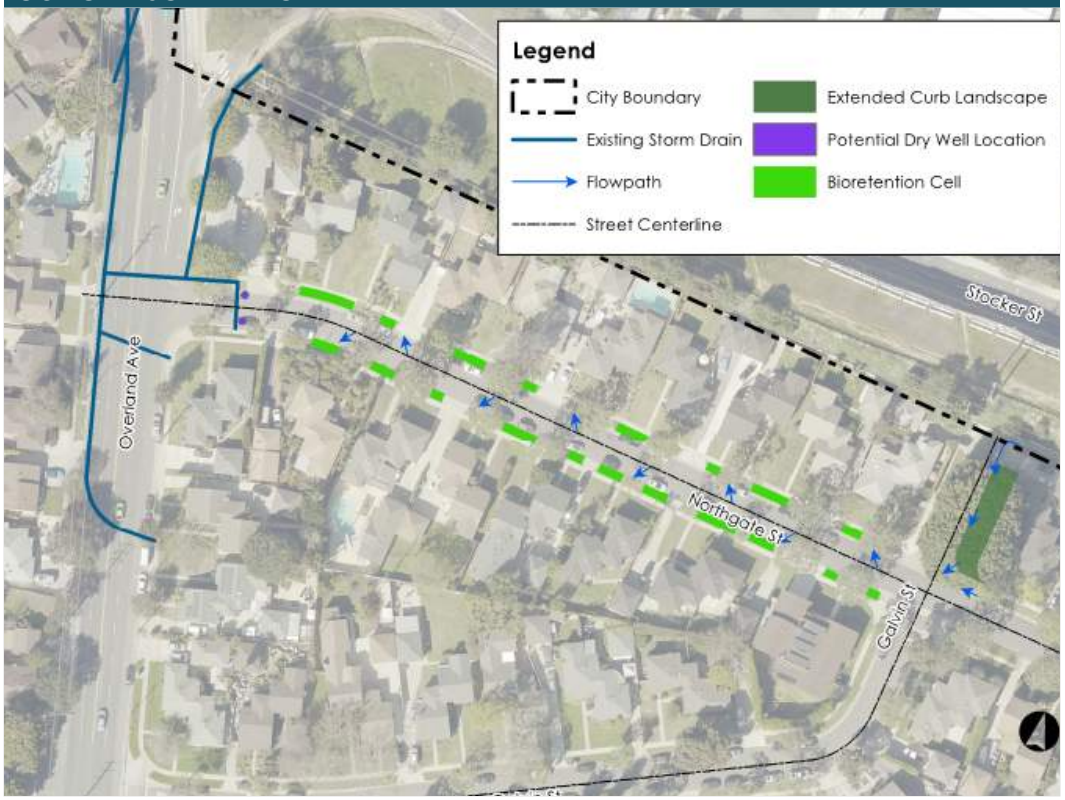
Culver City Stormwater Quality Master Plan
Priority Concept Project: BR168 Northgate St & Galvin Street

CONCEPT SCHEMATIC



CONCEPT DESIGN EXAMPLES

COST ESTIMATE FOR PROJECT

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
Excavation Removal	980	CY	$50	$49,000
Bioretention Cell	2,743	SF	$30	$82,290
Curb & Gutter	1,875	LF	$25	$46,875
Extended Curb LS Swale	1,700	SF	$20	$34,000
Restoration/Pave	3,750	SF	$10	$37,500
Dry Well	1	EA	$30,000	$30,000
			CONSTRUCTION TOTAL	**$279,665**
Mobilization (25% construction)				$69,916
Contingency (25% construction)				$69,916
Design (10% construction)				$27,967
			TOTAL COST	**$447,464**
			COST PER VOLUME MITIGATED ($/ACFT)	**$1,543,708**

PROJECT CHARACTERISTICS	Bioretention	Dry Wells	Total
Footprint (acres)	0.06	0.00	0.06
Design Height/Ponding Depth (ft)	0.5	25	-
Excavation Depth (ft)	5	25	-
Depth to Groundwater (ft)	42	42	-
EWMP Equiv Volume (acft)		0.12	
Design Volume (acft)	0.06	0.00	0.06
24-Hr Infiltration Volume (acft)	0.03	0.20	0.23
Total Treatment Volume[1] (acft)	0.09	0.20	0.29
Percent Treated[2] (acft)	44%	103%	147%

*Disclaimer: All elements of this conceptual design are planning-level, based on desktop analysis. All assumptions are parameters must be er-evaluated during the detailed design process. Cost estimates are based on available data. Actual costs will vary.

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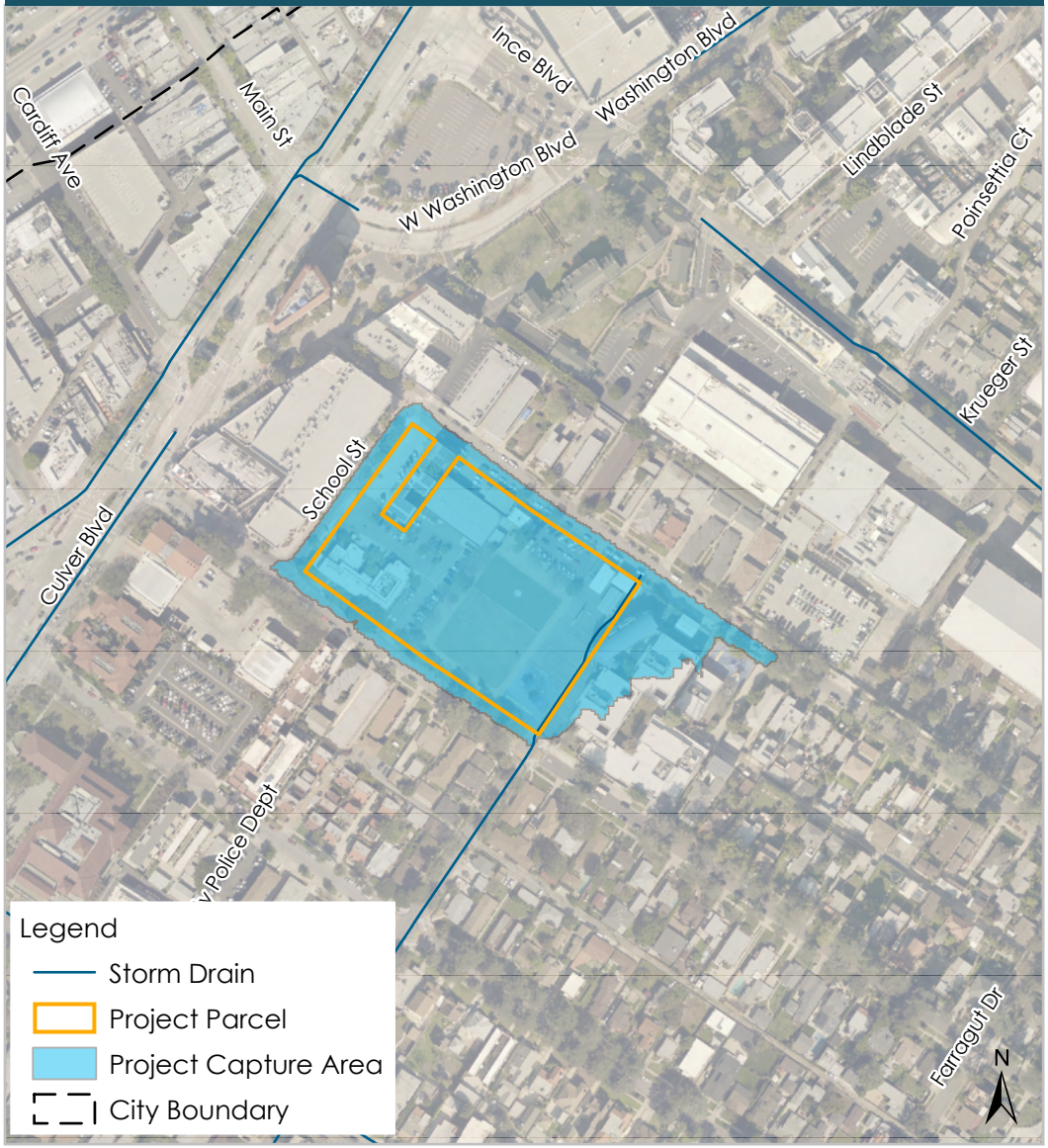
Culver City Stormwater Quality Master Plan
Priority Concept Project: BR168 Northgate St & Galvin Street

PROJECT WATERSHED



SITE DESCRIPTION

Linwood Elementary School is located in the northern portion of Culver City. This project presents opportunities to combine MS4 Phase II water quality requirements for school districts with multi-benefit water quality projects.

The concept plan was developed as a modular design for flexible implementation to best fit Culver City Unified School District (CCUSD) and City goals and budgets. The most significant aspect of the project includes a large scale infiltration chamber underneath the field with the potential to mitigate up to 271 percent of the water quality runoff volume from the 5.5-acre watershed. Runoff would be diverted from existing storm drain and pre-treated before being conveyed into the underground storage. BMP1 also includes shallow reservoir above the infiltration storage for irrigation reuse via passive capillary action that could replace 69 percent of the potable water demand from the field. The BMP2 site was identified as an opportunity for converting impervious areas to pervious pavements with underground infiltration storage when pavement replacement projects are planned. The BMP2 site would have the potential to mitigate up to 135% of the water quality runoff volume from the 5.5-acre watershed.

Although not included in this project concept, school buildings could be an opportunity for interior re-use, since rainfall typically occurs during fall and winter months when schools are in session. Another alternative could capture of stormwater for delayed release to sanitary sewer based on proximity to existing sanitary sewer lines.

PROJECT SITE INFORMATION

Land Owner	Culver City Unified School District
Street Address	4100 Irving Pl.
Latitude / Longitude	34 01 20.30N - 118 23 35.0W

WATERSHED CHARACTERISTICS

Watershed Area (acres)	5.49
Impervious Area (%)	82
Dominant Land Use	School - Elementary

Source: City of Culver City

CONCEPT SCHEMATIC

DESIGN CRITERIA

Precipitation, 85th percentile, 24-hr storm (in)	1.1
Runoff Volume, 85th percentile, 24-hr storm (acft)	0.4
Peak Discharge, 85th percentile, 24-hr storm (csf)	1.1
Infiltration Rate (in/hr)	0.25

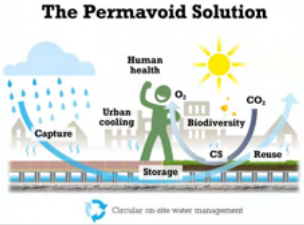
PROJECT CHARACTERISTICS	BMP 1	BMP 2	Total
Stormwater Capture Process	Infiltration/Harvest & Use	Infiltration	
Footprint (acres)	0.25	0.19	0.43
Design Height (ft)	2.5	2.5	
Depth of Excavation (ft)	11.5	4.5	
Depth to Groundwater (acft)	49	49	
EWMP Equivalent Volume (acft)	0.11		
Est. Water Use/Capture Vol. (acft)	0.15/0.35	NA	0.15/0.35
Design Volume (ac-ft)	0.55	0.42	0.97
24-hr Infiltration Volume (ac-ft)	0.12	0.09	0.22
Total Treatment Volume (ac-ft)[1]	1.03	1.03	1.54
Percent Treated[2]	271%	135%	406%

1 - Sum of the Design Volume, 24-hr Infiltration Volume, and Capture Volume
2 - Percentage the 85th percentile 24-hr Runoff Volume that is treated

CONCEPT DESIGN EXAMPLES

Underground storage and infiltration gallery with irrigation reuse opportunity

Natural Infiltration and Nature-based Passive Capillary Irrigation



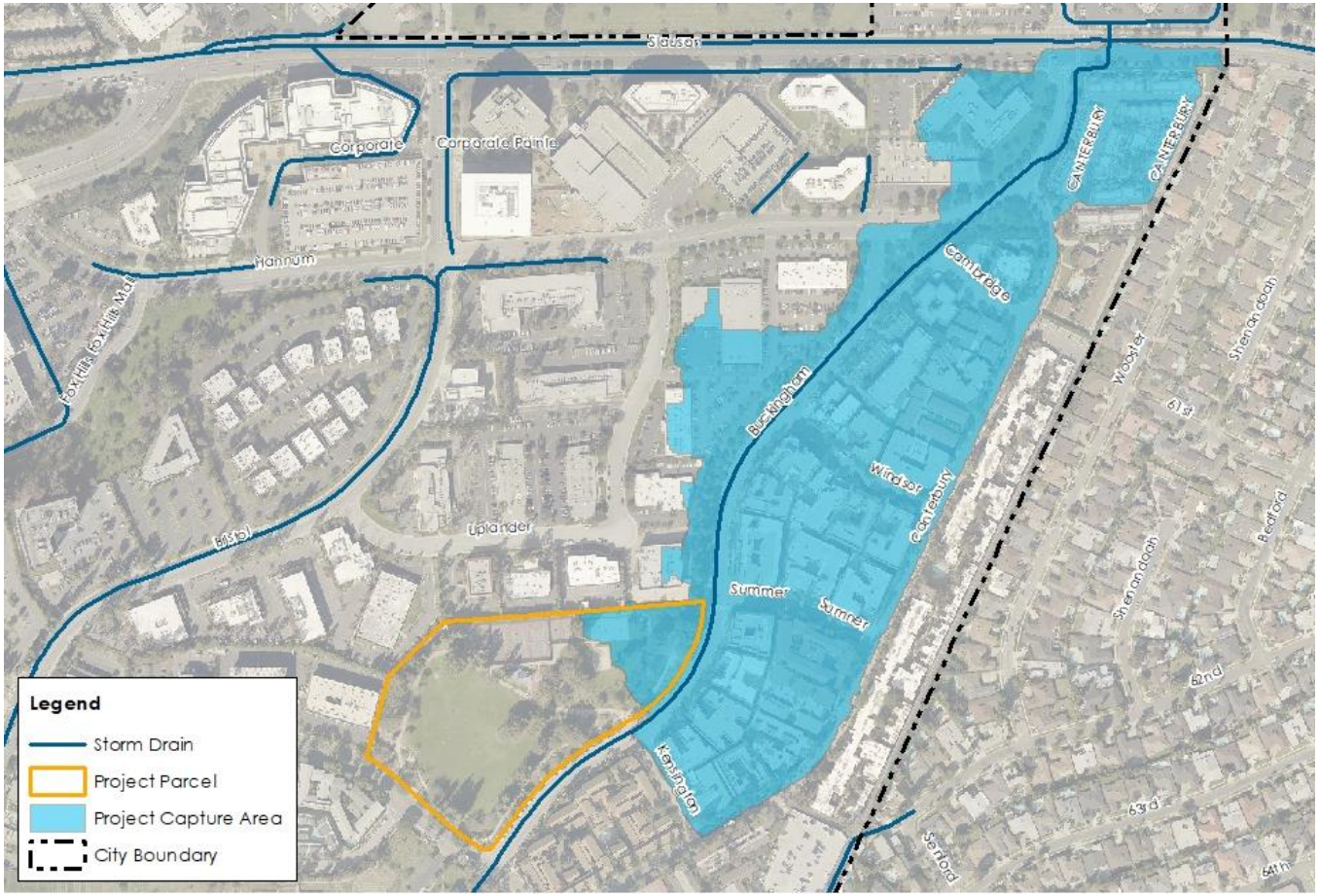
COST ESTIMATE

			DIVERSION		BMP 1		BMP 2	
ITEM	**UNIT COST**	**UNIT**	**QTY**	**AMOUNT**	**QTY**	**AMOUNT**	**QTY**	**AMOUNT**
Excavation Removal	$ 50	CY		$ -	1,489	$ 74,444	1,131	56,533
Diversion Structure 0-10 cfs	$ 30,000	LS	1	$ 30,000		$ -		0
Pre-Treatment 0-5 cfs	$ 15,000	LS	1	$ 15,000		$ -		0
Infiltration Structure (0-5 acft)	$ 10	CF		$ -		$ -	18,317	183,169
Infiltration Structure Deep	$ 13	CF		$ -	24,120	$ 301,506		0
SD Pipe (12" RCP)	$ 120	LF	185	$ 22,200		$ -		0
Permavoid	$ 20	SF		$ -	16,458	$ 329,152		0
Restoration (park)	$ 3	SF		$ -	10,720	$ 32,160		0
Restoration/Pave	$ 10	SF					8,141	
CONSTRUCTION SUB TOTAL				**$ 67,200**		**$ 737,262**		**239,701**
Mobilization(25%)				$ 16,800		$ 184,316		59,925
Contingency (25%)				$ 16,800		$ 184,316		59,925
Design (10%)				$ 6,720		$ 73,726		23,970
TOTAL				**$ 107,520**		**$ 1,179,620**		**383,522**
COST PER VOLUME TREATED ($/ACFT)						**$ 1,145,573**		**746,239**

***Disclaimer:** All elements of this conceptual design are planning-level, based on desktop analysis. All assumptions and parameters must be re-evaluated during the detailed design process. Cost estimates are based on available data. Actual costs will vary.

Source: City of Culver City

PROJECT WATERSHED



SITE DESCRIPTION

Fox Hills Park is located at the southeastern edge of Culver City.

The concept plan includes an underground storage for infiltration under the park, as well as the opportunity to capture and reuse stormwater for park irrigation. The BMP footprint would have potential capacity to capture 100% of the 85th percentile storm event runoff volume from the 38.89-acre watershed.

Stormwater would be diverted from an existing storm drain in Buckingham Parkway. A pump structure would be needed to convey the water from the pretreatment system into the storage chambers. Stored water would ideally be infiltrated, pending geotechnical study and constraints.

Harvested water could also be used for reuse as irrigation in the park, with potential to supply approximately 30% of the potable irrigation demand. Reuses of harvested water for toilet flushing may be considered, pending evaluation of the restroom conditions.

Five dry wells will be installed at the park to provide supplemental infiltration. The actual number and location will depend on site-specific geotechnical conditions.

DESIGN CRITERIA

Precipitation, 85th percentile, 24-hr storm (in)	1.1
Runoff Volume, 85th percentile, 24-hr storm (ac-ft)	2.4
Peak Discharge, 85th Percentile, 24-hr storm (cfs)	7.4
Infiltration Rate (in/hr)	0.25

WATERSHED CHARACTERISTICS

Watershed Area (ac)	38.89
Impervious Area (%)	70
Dominant Land Use	Residential - Low Density Multi Family

PROJECT SITE INFORMATION

Land Owner	Culver City
Street Address	Green Valley Cir &, Buckingham Pkwy
Latitude / Longitude	33 58 59.2N, -118 23 10.9W

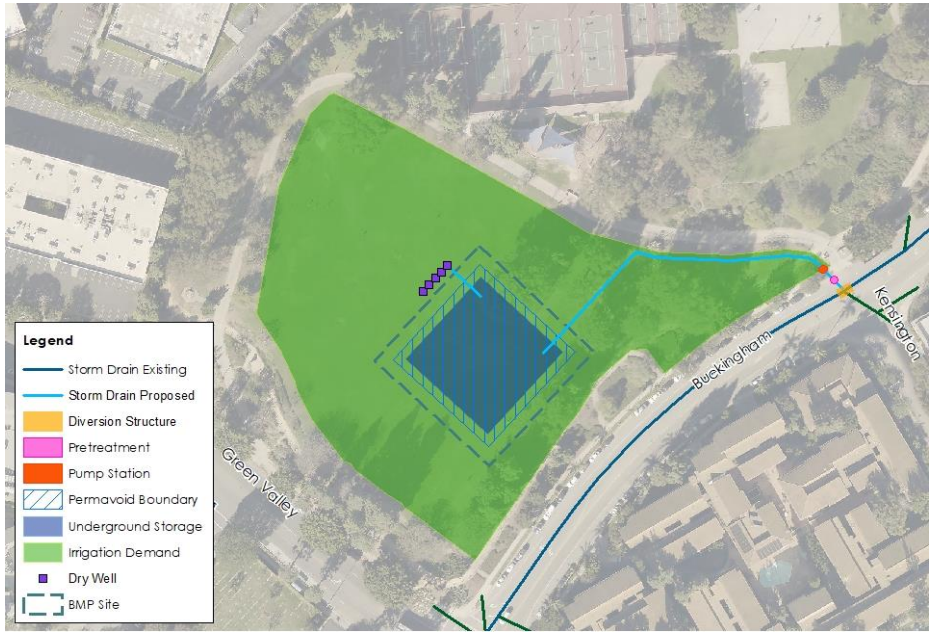
BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

Culver City Stormwater Quality Master Plan

Priority Concept Project: R3 Fox Hills Park

CONCEPT DESIGN EXAMPLE



PROJECT CHARACTERISTICS

Stormwater BMP Type	Harvest & Use/ Infiltration	Infiltration
Footprint (acres)	0.37	141 sf
Design Height (ft)	2.5	20
Depth of Excavation (ft)	6.5	24
Depth to Groundwater (ft)	75	
EWMP Equivalent Volume (acft)	0.84*	
Est. Water Use/ Capture Vol (acft)	4.51/ 0.34	N/A
Design Volume (acft)	0.81	0.06
24-hr Infiltration Volume (acft)	0.18	0.99
Total Treatment Volume (acft)[1]	1.32	1.06
Percent Treated[2]	56%	45%

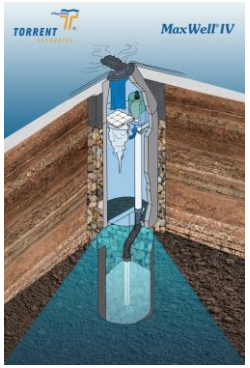
1 – Sum of the Design Volume, 24-hr Infiltration Volume, and Capture Volume
2 – Percent the 85th percentile, 24-hr Runoff Volume that is treated

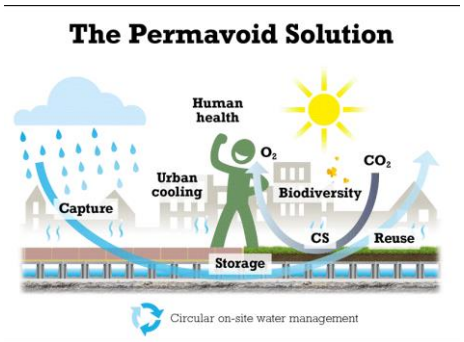
*Disclaimer: All elements of this conceptual design are planning-level, based on desktop analysis. All assumptions are parameters must be re-evaluated during the detailed design process. Cost estimates are based on available data. Actual costs will vary.

CONCEPT SCHEMATIC

COST ESTIMATE

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
Diversion Structure 0-10 cfs	1	LS	$30,000	$30,000
Pre-Treatment 5-10 cfs	1	LS	$15,000	$15,000
Pump Structure	1	LS	$1,500,000	$1,500,000
SD Pipe (18" RCP)	405	LF	$160	$64,800
Excavation Removal	2,275	CY	$50	$113,743
Infiltration Structure (0-5 acft)	35,157	CF	$10	$351,569
Permavoid	15,625	SF	$20	$312,500
Restoration (park)	15,625	SF	$3	$46,875
Dry Well	5	CF	$30,000	$150,000
SD Pipe (12" RCP)	93	SF	$120	$11,160
Restoration /Pave	25,000	SF	$10	$930
			CONSTRUCTION COST	**$2,596,577**
Mobilization (25% construction)				$649,144
Contingency (25% construction)				$649,144
Design (10% total)				$259,658
			TOTAL COST	**$4,154,523**
			COST PER VOLUME MITIGATED ($/ACFT)	**$1,746,939**





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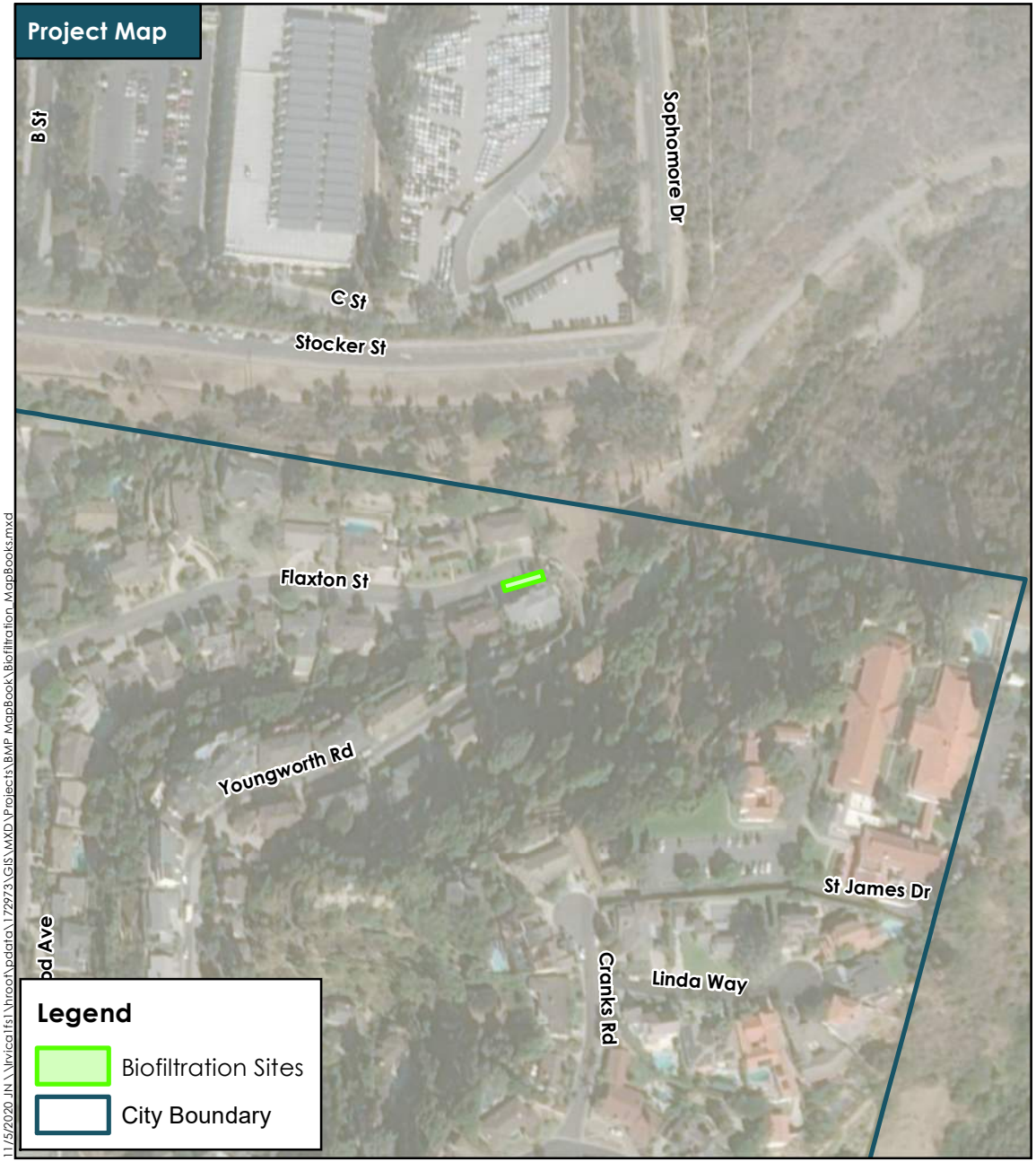
Michael Baker INTERNATIONAL

Culver City Stormwater Quality Master Plan
Priority Concept Project: R3 Fox Hills Park

Project Map



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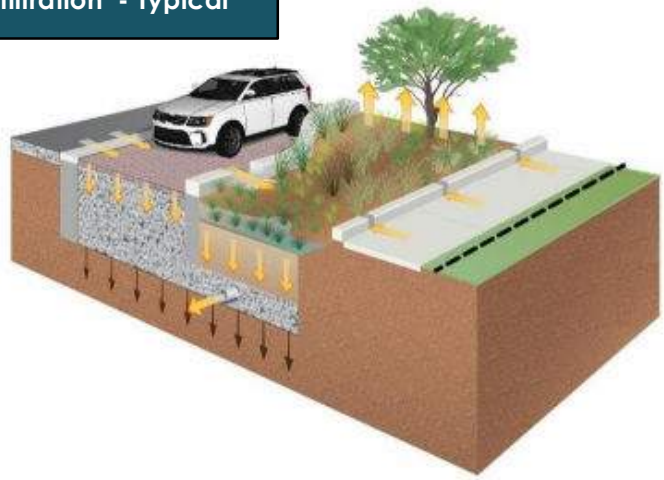
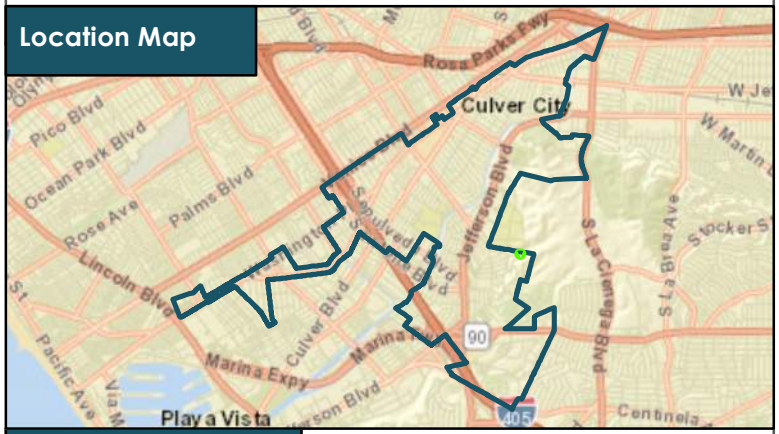
Biofiltration - Typical



Source: Enhanced Watershed Management Program for the Ballona Creek Watershed, January 2016

Location Map



Project Information

Storage Capcity (ac-ft):	0.03
Drainage Area (ac):	0.31
Depth to Groundwater (ft):	128
EWMP Equivalient Volume (ac-ft):	0.02
Cost Estimate:	$18,790

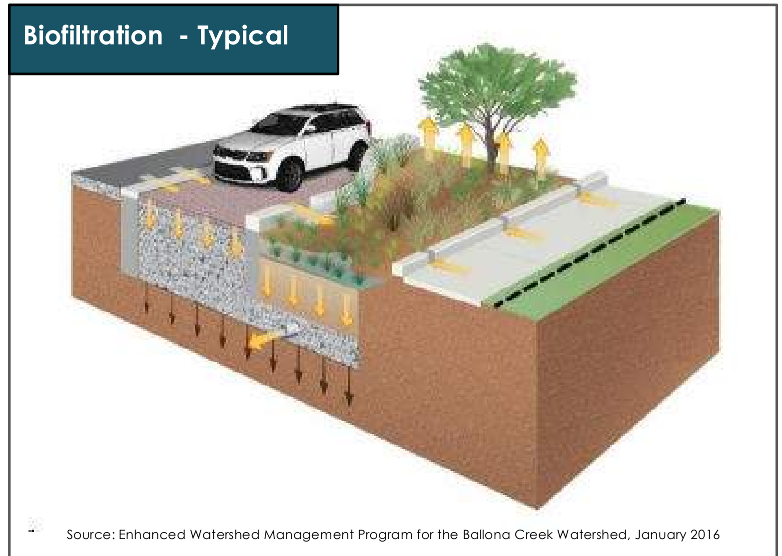
*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

0 125 250 Feet

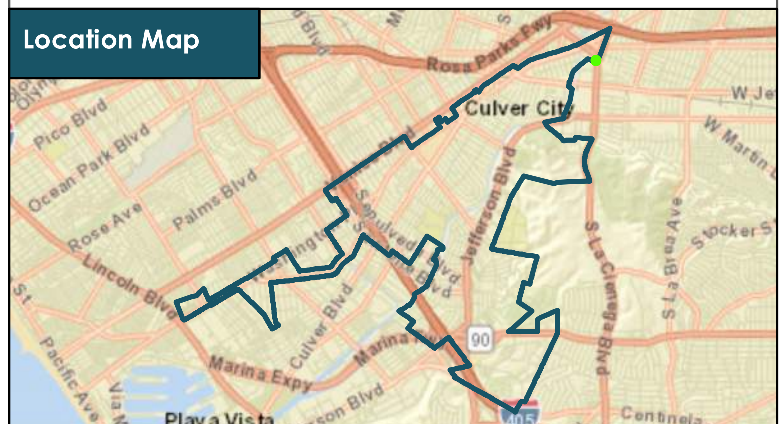
Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Biofiltration Site: BF1



Source: Enhanced Watershed Management Program for the Ballona Creek Watershed, January 2016



Project Information

Storage Capcity (ac-ft):	0.01
Drainage Area (ac):	0.14
Depth to Groundwater (ft):	20
EWMP Equivalient Volume (ac-ft):	0.01
Cost Estimate:	$15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

0 125 250 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Biofiltration Site: BF2

Project Map

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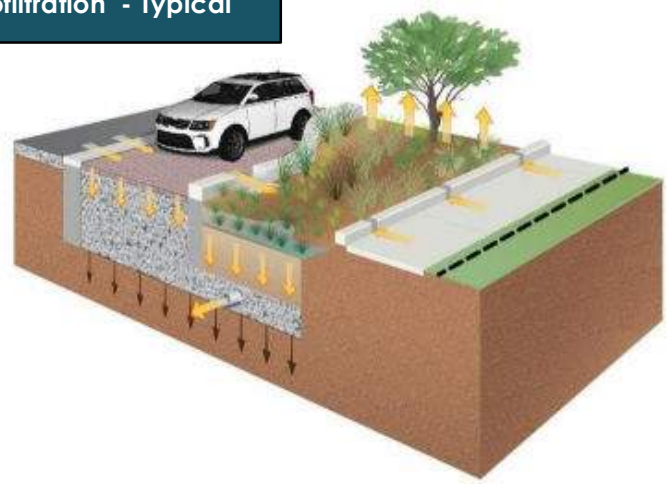
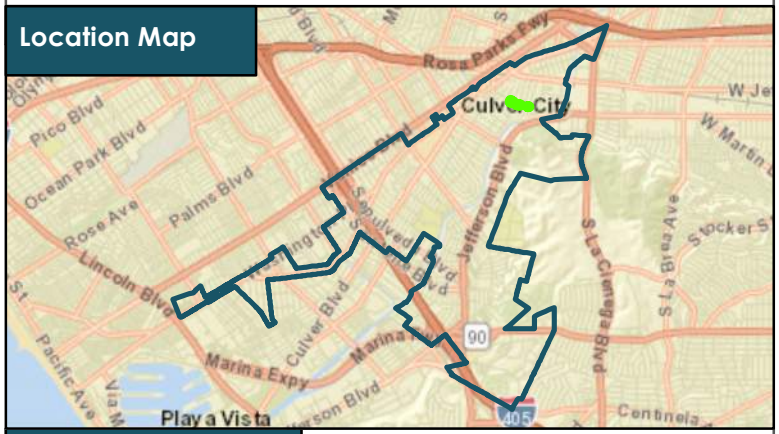
Biofiltration - Typical



Source: Enhanced Watershed Management Program for the Ballona Creek Watershed, January 2016

Location Map



Project Information

Storage Capcity (ac-ft):	0.04
Drainage Area (ac):	0.45
Depth to Groundwater (ft):	32
EWMP Equivalient Volume (ac-ft):	0.04
Cost Estimate:	$27,198

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

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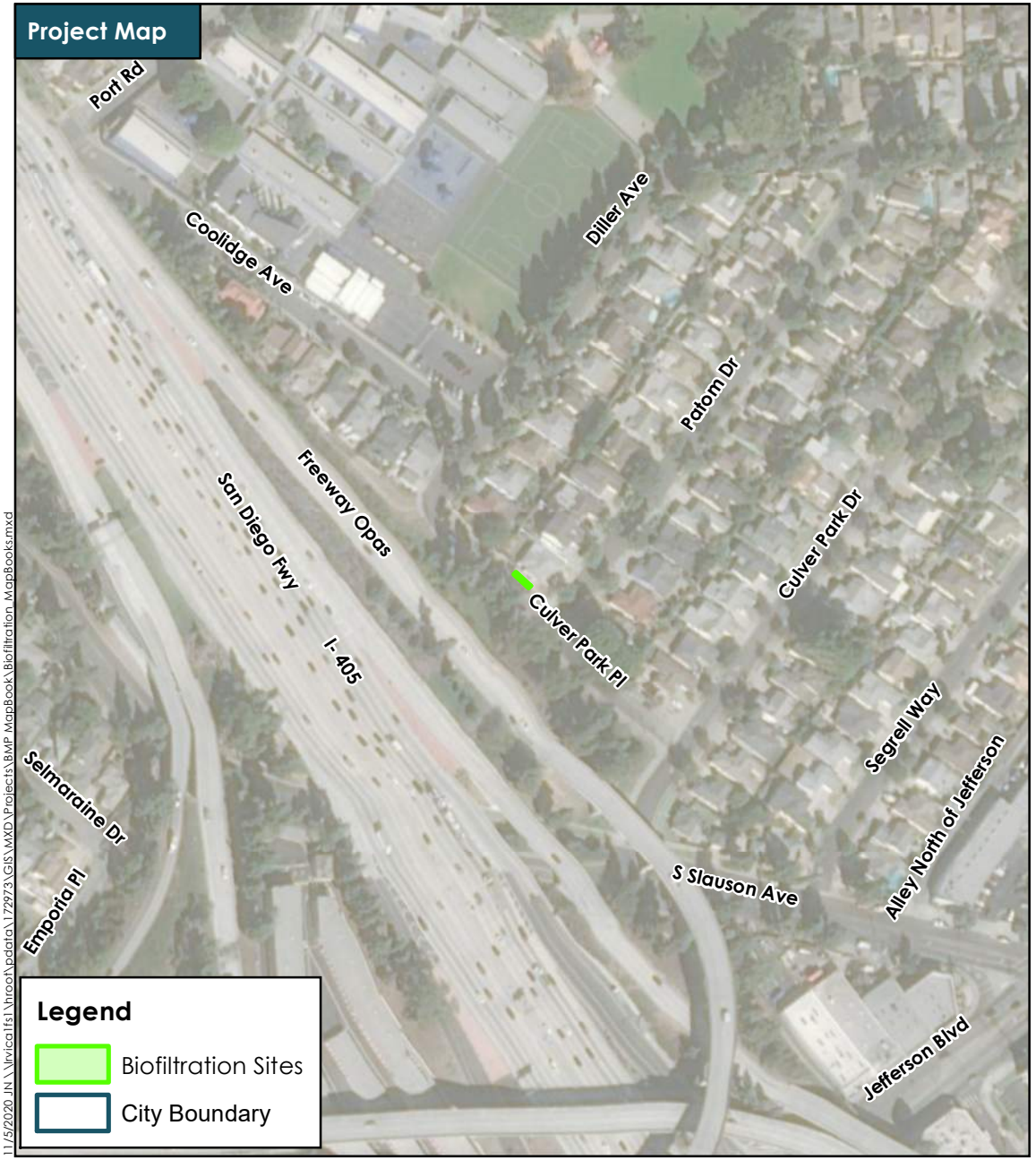
0 125 250 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Biofiltration Site: BF3

Project Map



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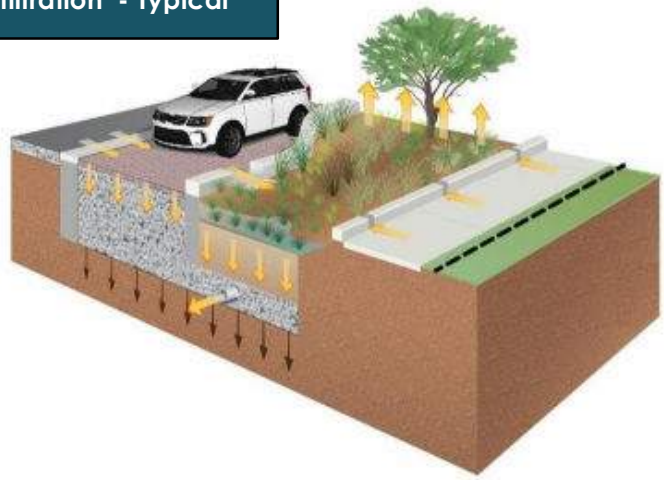
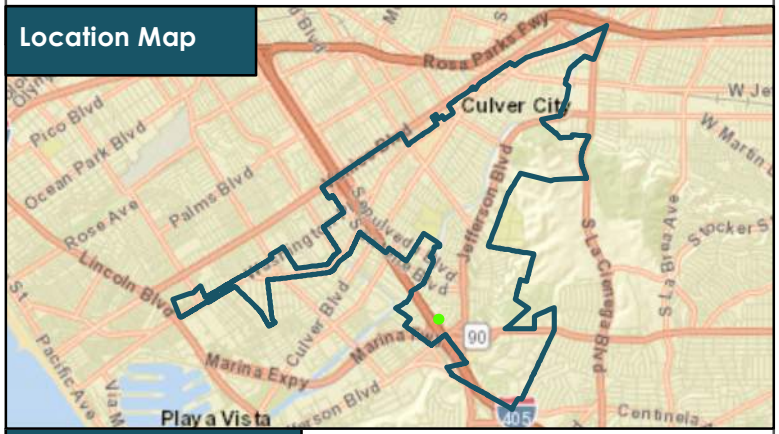
Biofiltration - Typical



Source: Enhanced Watershed Management Program for the Ballona Creek Watershed, January 2016

Location Map



Project Information

Storage Capcity (ac-ft):	0
Drainage Area (ac):	0.04
Depth to Groundwater (ft):	15
EWMP Equivalient Volume (ac-ft):	0
Cost Estimate:	$15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

0 125 250 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Biofiltration Site: BF4

Project Map

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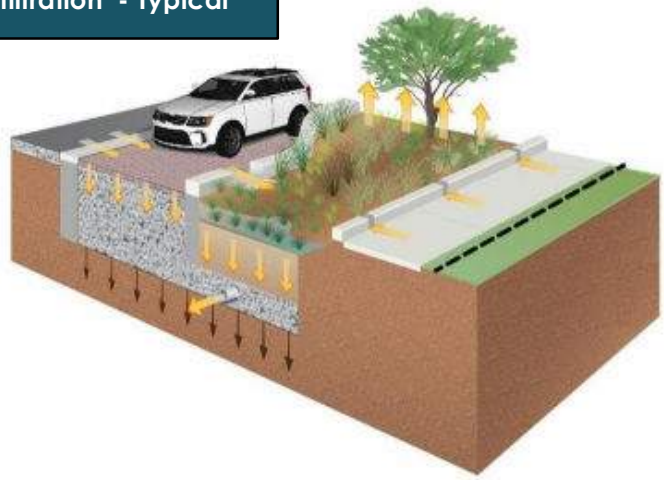
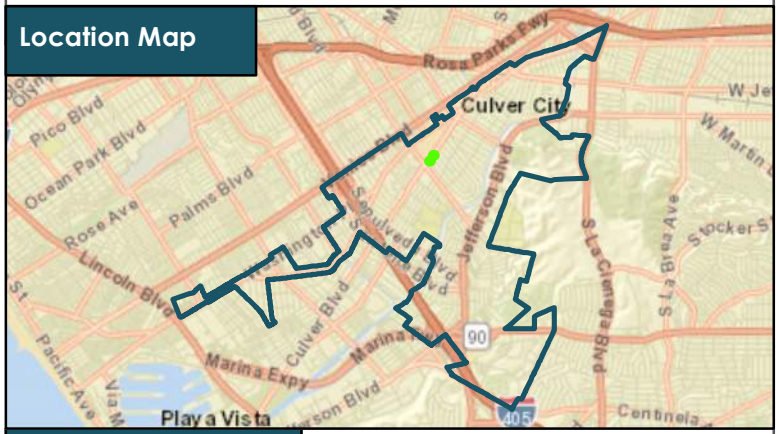
Biofiltration - Typical



Source: Enhanced Watershed Management Program for the Ballona Creek Watershed, January 2016

Location Map



Project Information

Storage Capcity (ac-ft):	0
Drainage Area (ac):	0.03
Depth to Groundwater (ft):	22
EWMP Equivalient Volume (ac-ft):	0
Cost Estimate:	$15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

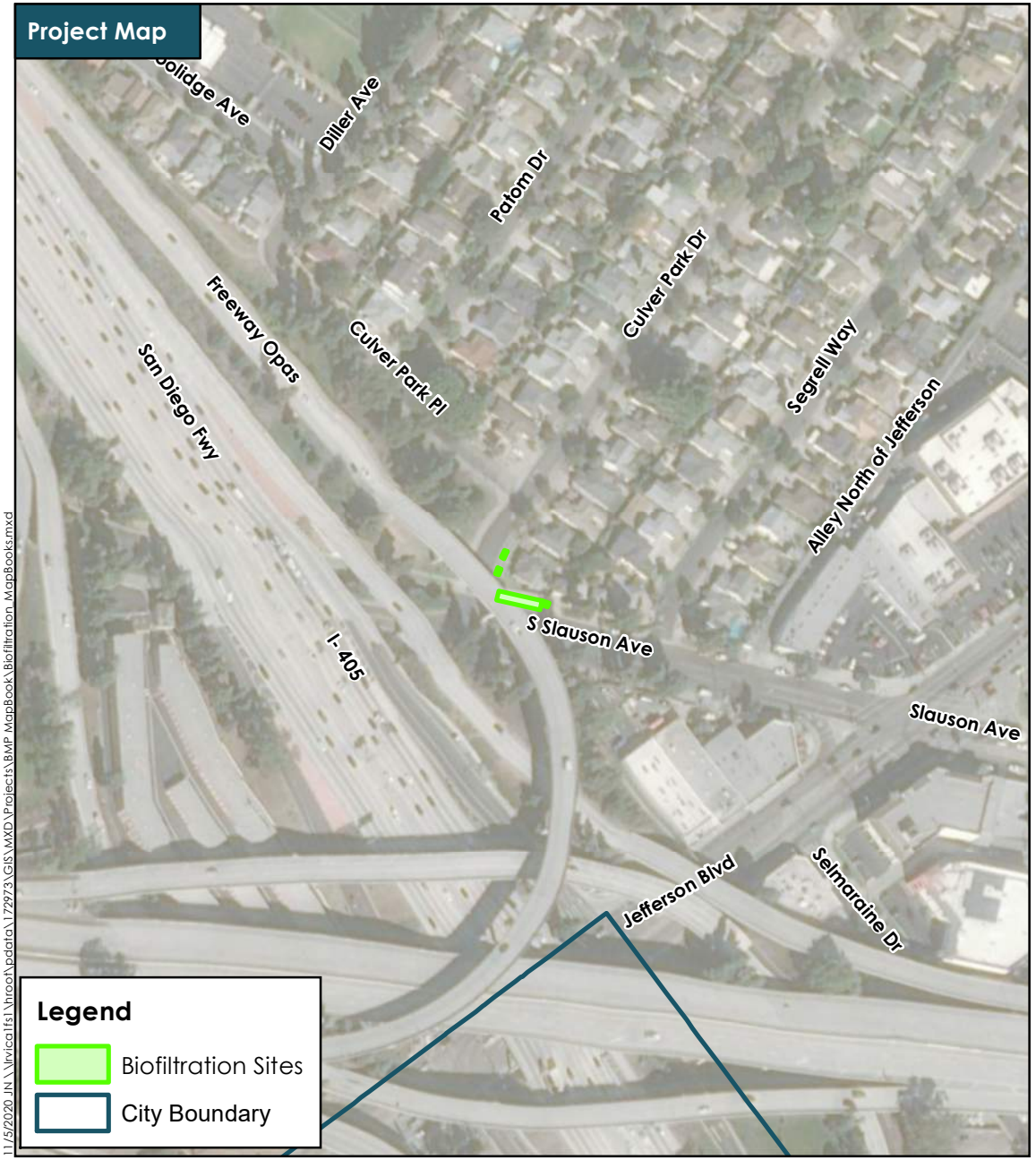
0 125 250 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Biofiltration Site: BF5

Project Map



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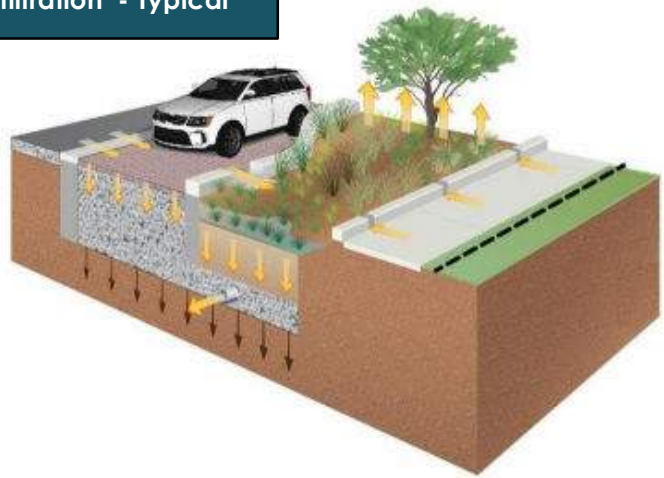
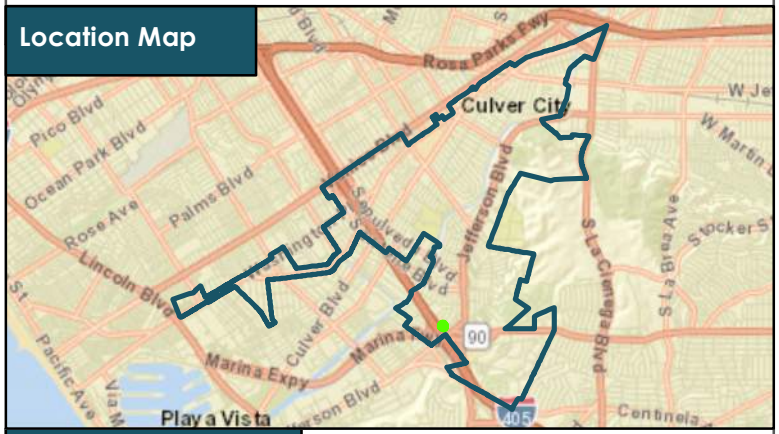
Biofiltration - Typical



Source: Enhanced Watershed Management Program for the Ballona Creek Watershed, January 2016

Location Map



Project Information

Storage Capcity (ac-ft):	0.03
Drainage Area (ac):	0.37
Depth to Groundwater (ft):	14
EWMP Equivalient Volume (ac-ft):	0.03
Cost Estimate:	$22,661

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

0 125 250 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Biofiltration Site: BF6

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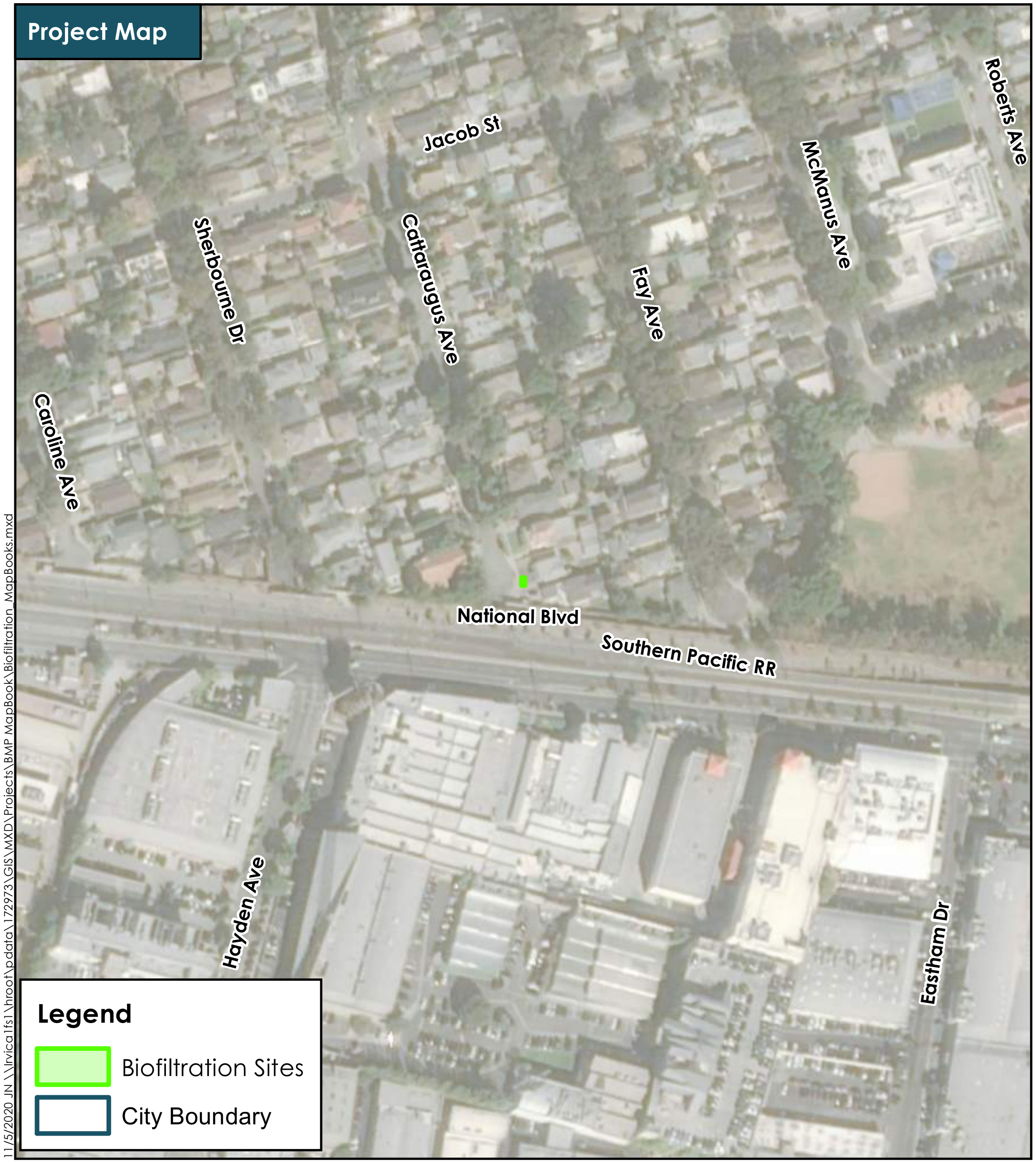
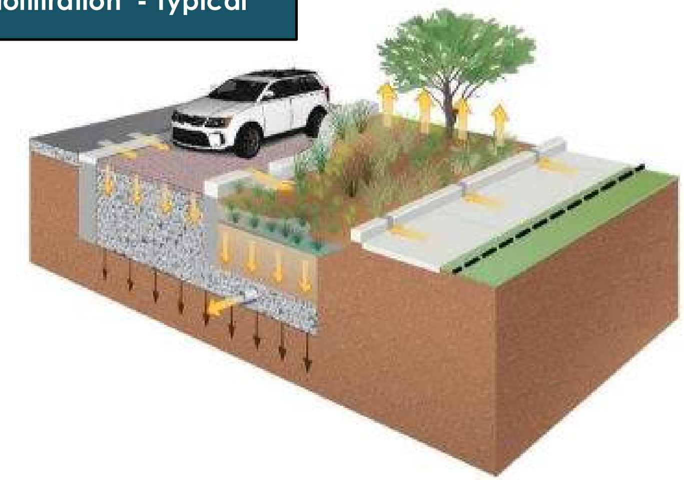
Project Map

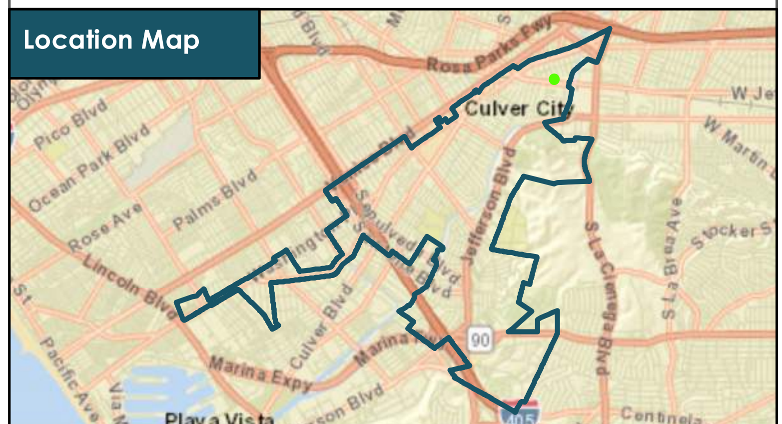


Biofiltration - Typical



Source: Enhanced Watershed Management Program for the Ballona Creek Watershed, January 2016

Location Map



Project Information

Storage Capcity (ac-ft):	0
Drainage Area (ac):	0.01
Depth to Groundwater (ft):	29
EWMP Equivalient Volume (ac-ft):	0
Cost Estimate:	$15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

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0 125 250 Feet

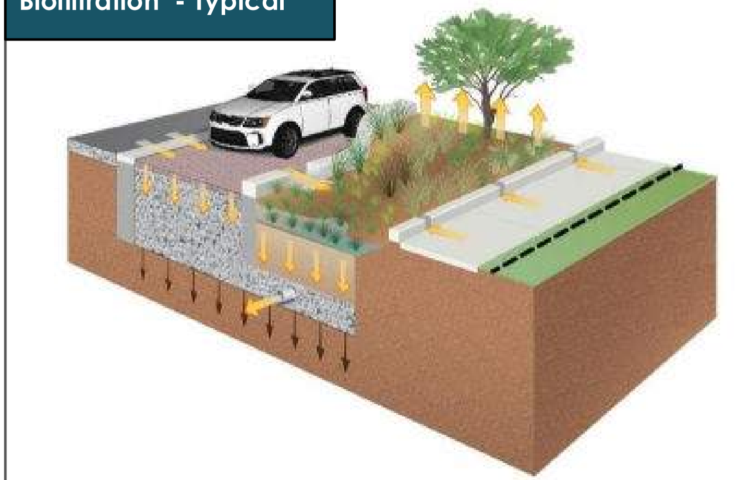
Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Biofiltration Site: BF7

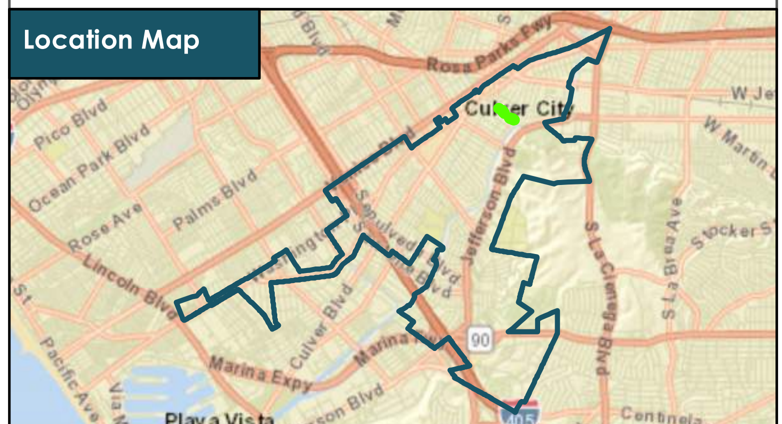
Project Map

Biofiltration - Typical



Source: Enhanced Watershed Management Program for the Ballona Creek Watershed, January 2016

Location Map



Project Information

Storage Capcity (ac-ft):	0.04
Drainage Area (ac):	0.47
Depth to Groundwater (ft):	29
EWMP Equivalient Volume (ac-ft):	0.04
Cost Estimate:	$28,809

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

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0 125 250 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Biofiltration Site: BF8

Project Map

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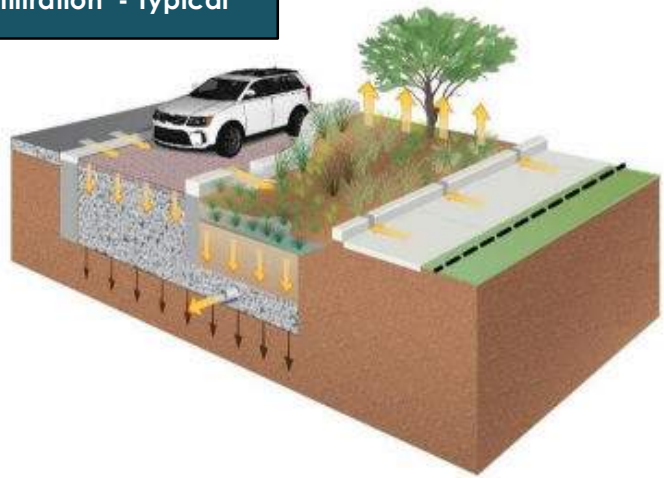
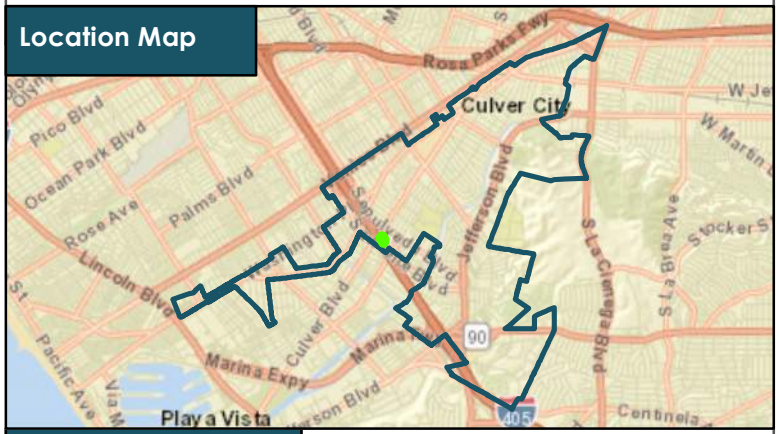
Biofiltration - Typical



Source: Enhanced Watershed Management Program for the Ballona Creek Watershed, January 2016

Location Map



Project Information

Storage Capcity (ac-ft):	0.08
Drainage Area (ac):	0.93
Depth to Groundwater (ft):	22
EWMP Equivalient Volume (ac-ft):	0.07
Cost Estimate:	$57,109

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

0 125 250 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Biofiltration Site: BF9

Project Map

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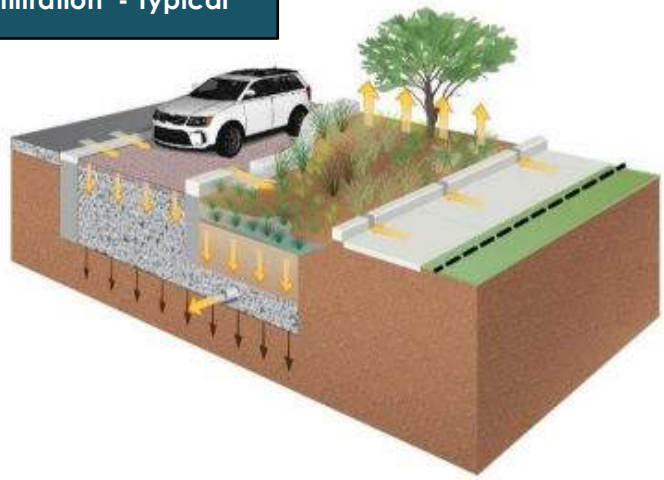
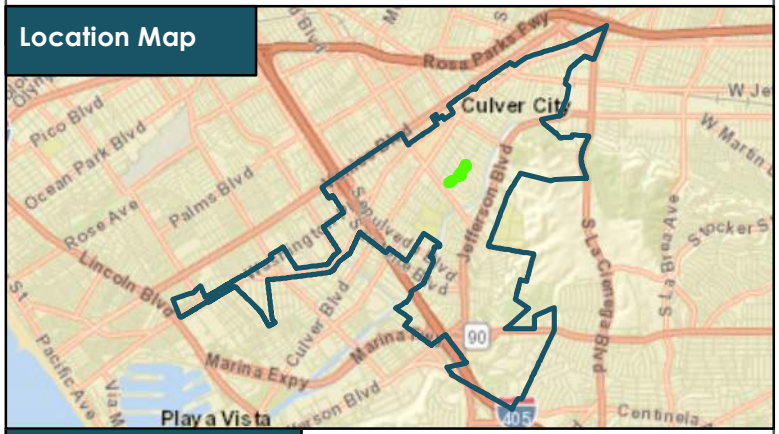
Biofiltration - Typical



Source: Enhanced Watershed Management Program for the Ballona Creek Watershed, January 2016

Location Map



Project Information

Storage Capcity (ac-ft):	0.24
Drainage Area (ac):	2.91
Depth to Groundwater (ft):	26
EWMP Equivalient Volume (ac-ft):	0.22
Cost Estimate:	$178,045

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

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0 125 250 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Biofiltration Site: BF10

Project Map

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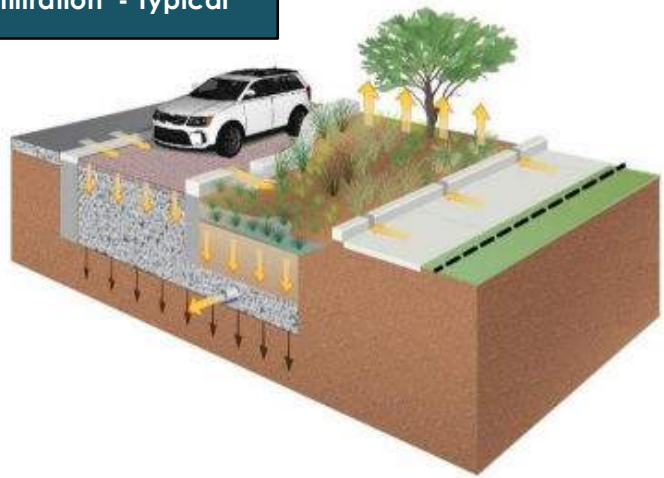
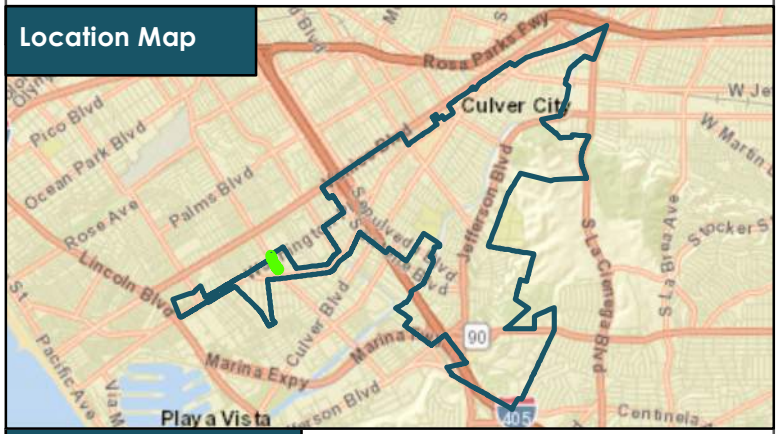
Biofiltration - Typical



Source: Enhanced Watershed Management Program for the Ballona Creek Watershed, January 2016

Location Map



Project Information

Storage Capcity (ac-ft):	0.09
Drainage Area (ac):	1.1
Depth to Groundwater (ft):	0
EWMP Equivalient Volume (ac-ft):	0.08
Cost Estimate:	$66,959

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

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0 125 250 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Biofiltration Site: BF11

Project Map

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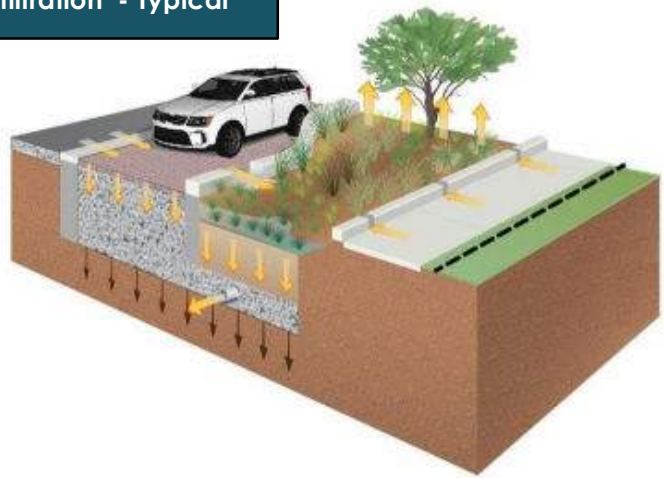
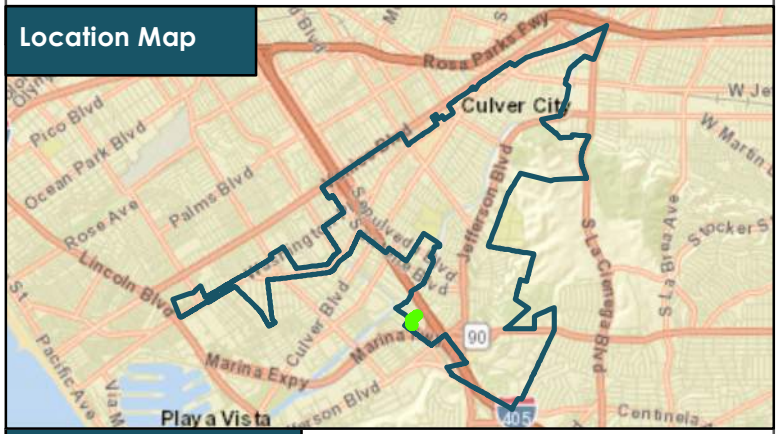
Biofiltration - Typical



Source: Enhanced Watershed Management Program for the Ballona Creek Watershed, January 2016

Location Map



Project Information

Storage Capcity (ac-ft):	0.16
Drainage Area (ac):	1.91
Depth to Groundwater (ft):	14
EWMP Equivalient Volume (ac-ft):	0.15
Cost Estimate:	$116,781

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

0 125 250 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Biofiltration Site: BF12

Project Map

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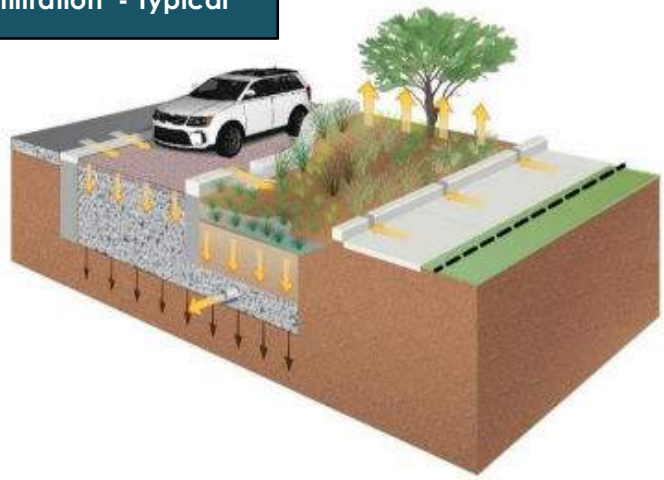
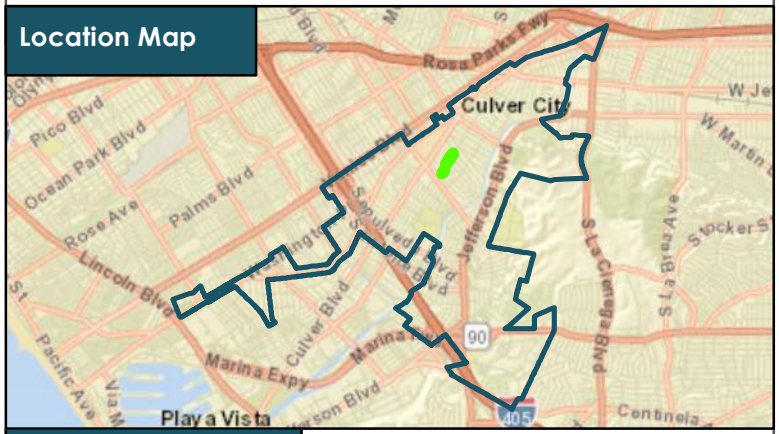
Biofiltration - Typical



Source: Enhanced Watershed Management Program for the Ballona Creek Watershed, January 2016

Location Map



Project Information

Storage Capcity (ac-ft):	0.09
Drainage Area (ac):	1.08
Depth to Groundwater (ft):	20
EWMP Equivalient Volume (ac-ft):	0.08
Cost Estimate:	$65,730

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

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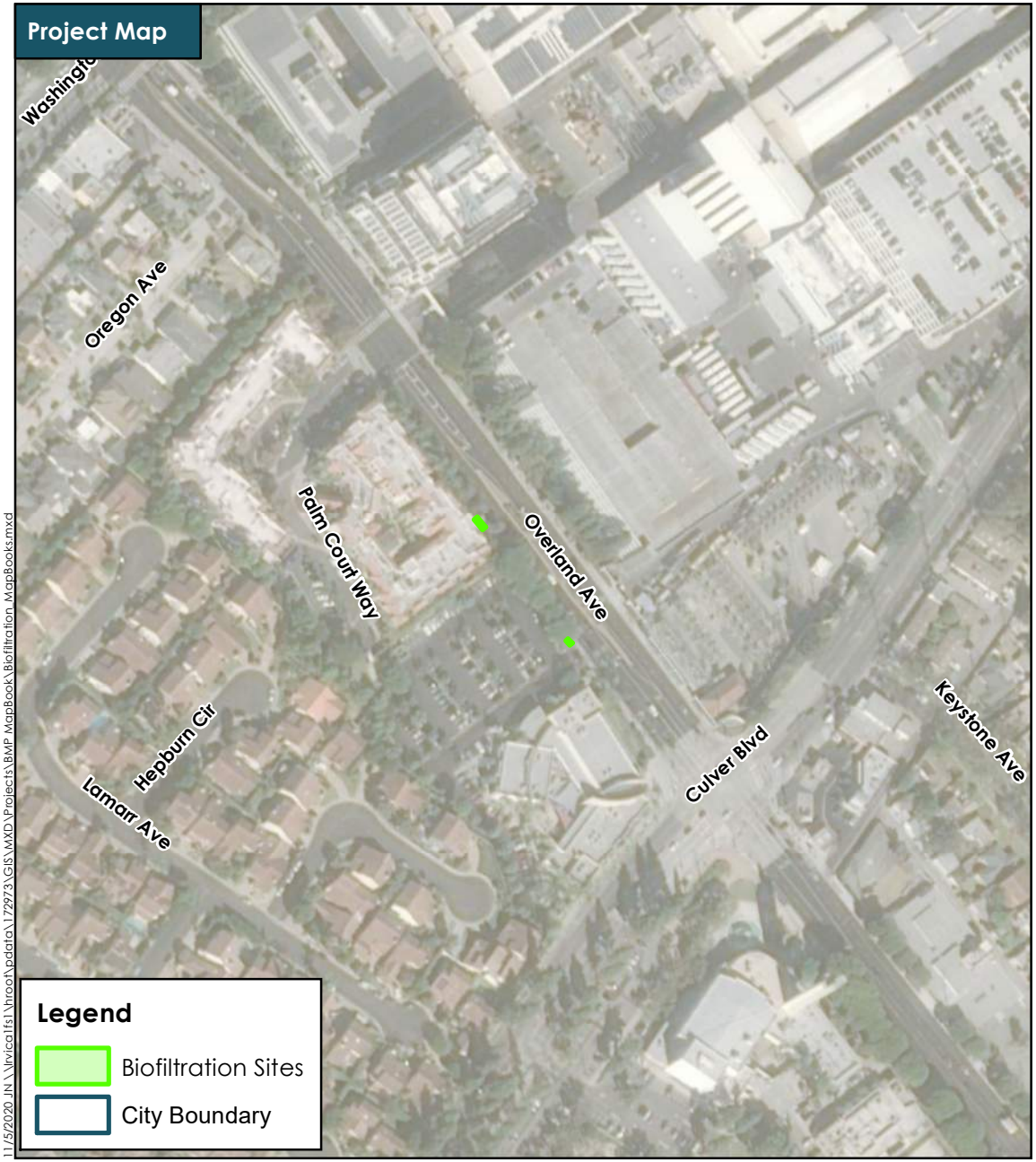
0 125 250 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Biofiltration Site: BF13

Project Map



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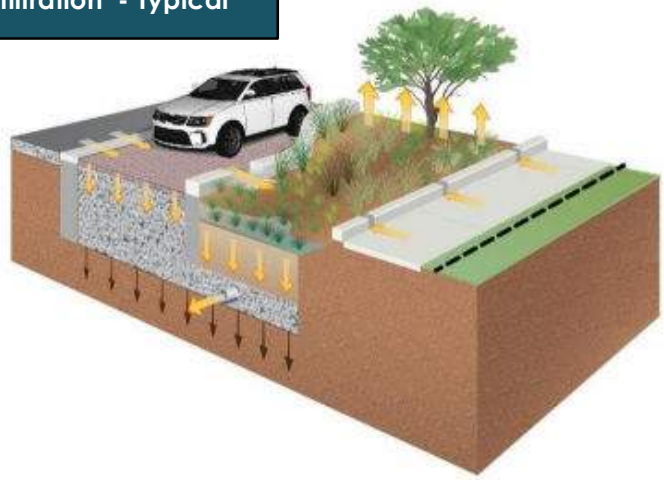
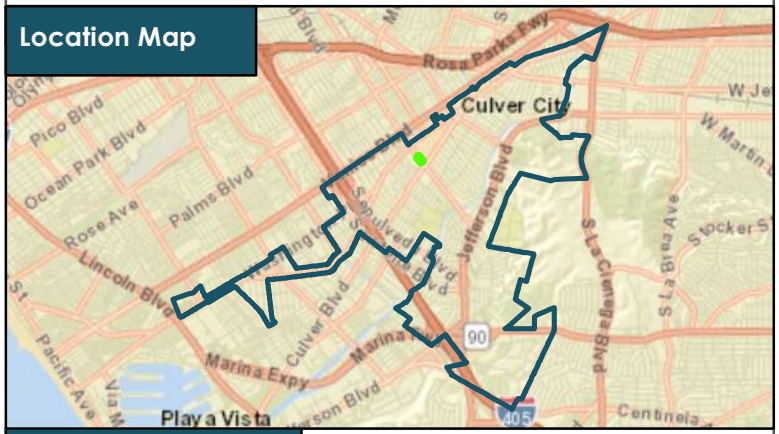
Biofiltration - Typical



Source: Enhanced Watershed Management Program for the Ballona Creek Watershed, January 2016

Location Map



Project Information

Storage Capcity (ac-ft):	0
Drainage Area (ac):	0.04
Depth to Groundwater (ft):	24
EWMP Equivalient Volume (ac-ft):	0
Cost Estimate:	$15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

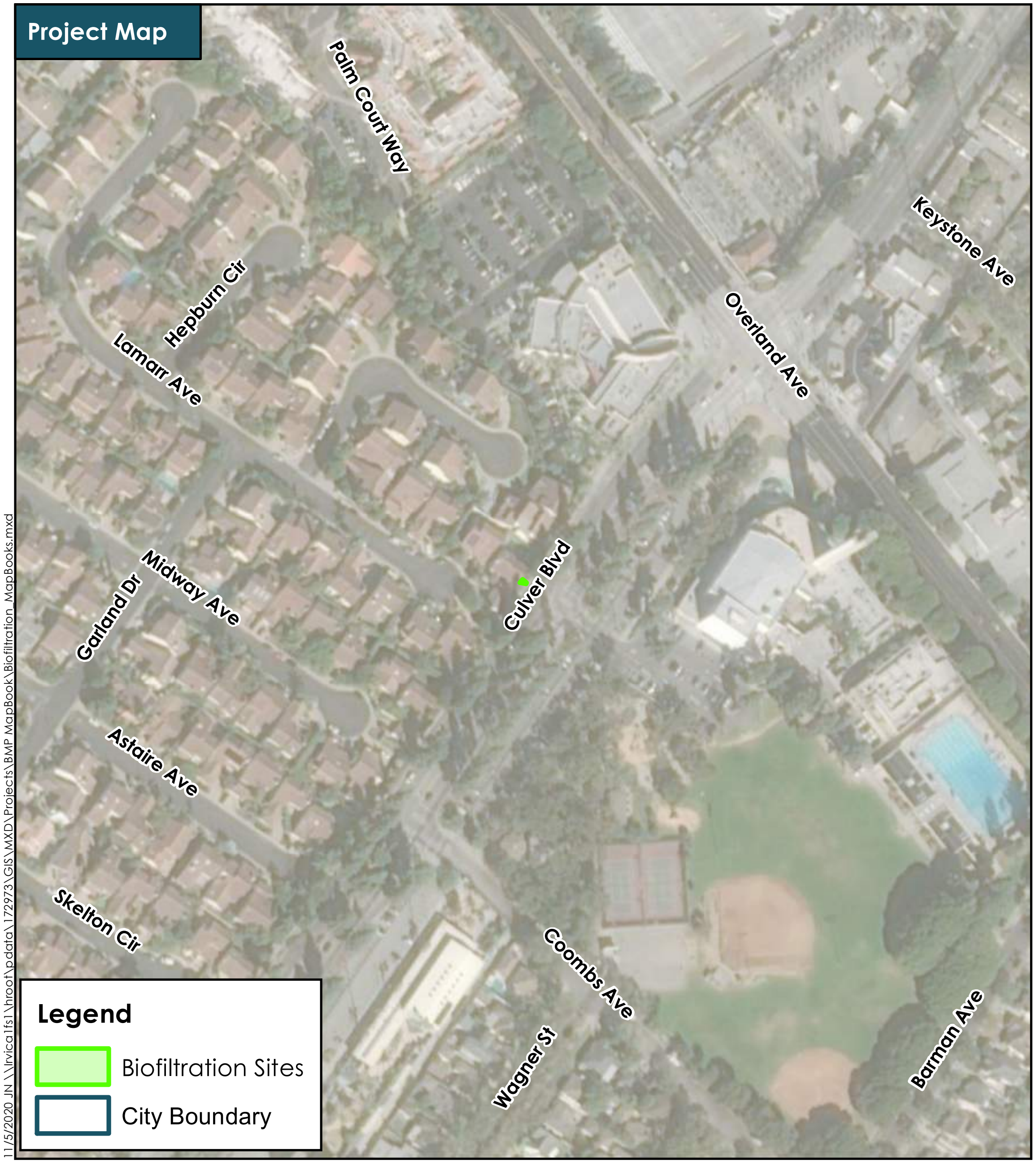
0 125 250 Feet

Source: City of Culver City

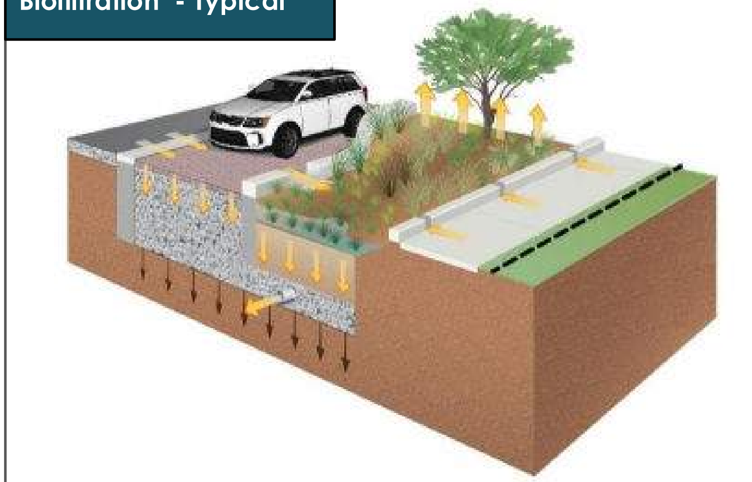
CULVER CITY STORMWATER QUALITY MASTER PLAN

Biofiltration Site: BF14

Project Map

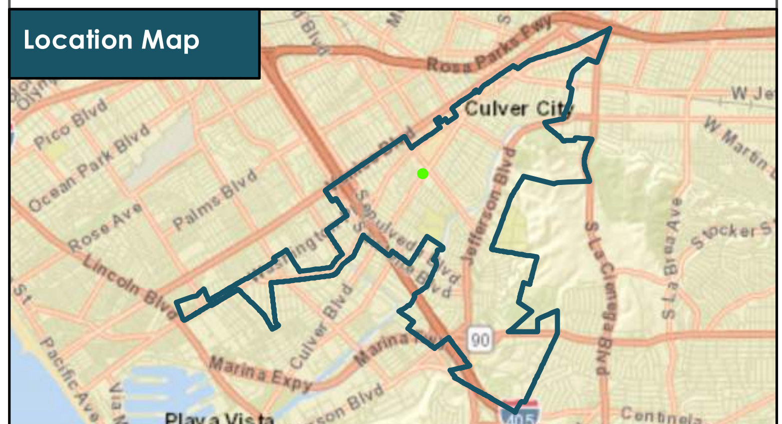


Biofiltration - Typical



Source: Enhanced Watershed Management Program for the Ballona Creek Watershed, January 2016

Location Map



Project Information

Storage Capcity (ac-ft):	0
Drainage Area (ac):	0.04
Depth to Groundwater (ft):	24
EWMP Equivalient Volume (ac-ft):	0
Cost Estimate:	$15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

0 125 250 Feet

Source: City of Culver City

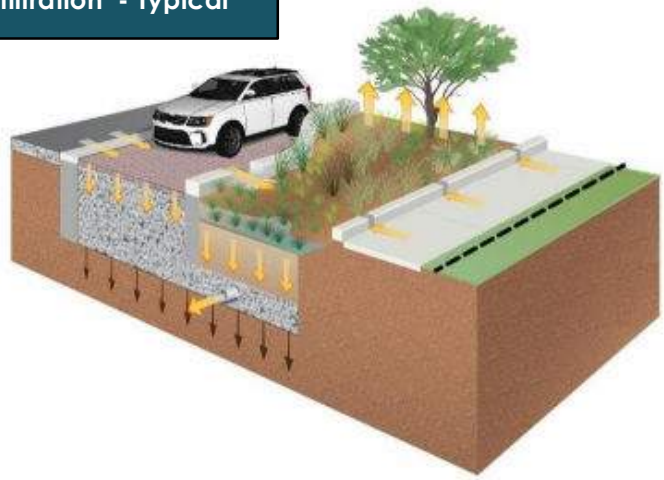
CULVER CITY STORMWATER QUALITY MASTER PLAN

Biofiltration Site: BF15

Project Map

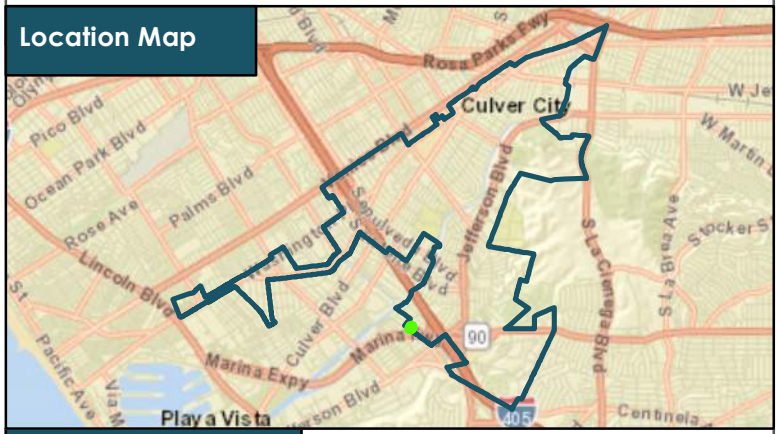
11/5/2020 JN \\irvlca1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Biofiltration_MapBooks.mxd

Biofiltration - Typical



Source: Enhanced Watershed Management Program for the Ballona Creek Watershed, January 2016

Location Map



Project Information

Storage Capcity (ac-ft):	0.04
Drainage Area (ac):	0.45
Depth to Groundwater (ft):	13
EWMP Equivalient Volume (ac-ft):	0.03
Cost Estimate:	$27,237

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

0 125 250 Feet

Source: City of Culver City

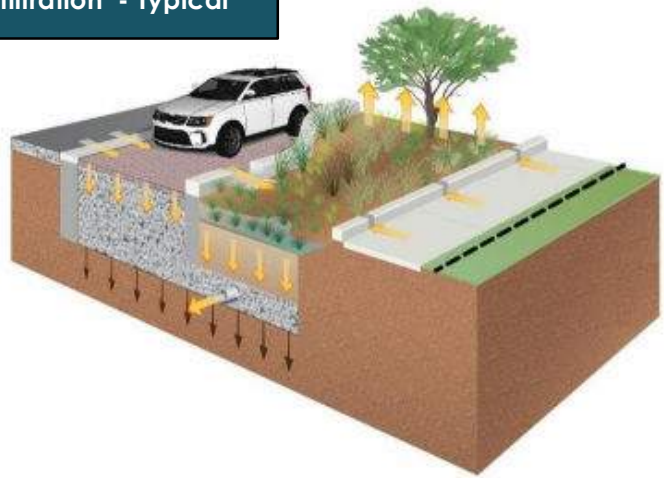
CULVER CITY STORMWATER QUALITY MASTER PLAN

Biofiltration Site: BF16

Project Map

11/5/2020 JN \\irvicalfs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Biofiltration_MapBooks.mxd

Biofiltration - Typical



Source: Enhanced Watershed Management Program for the Ballona Creek Watershed, January 2016

Location Map

Project Information

Storage Capcity (ac-ft):	0
Drainage Area (ac):	0.03
Depth to Groundwater (ft):	21
EWMP Equivalient Volume (ac-ft):	0
Cost Estimate:	$15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

0 125 250 Feet

Source: City of Culver City

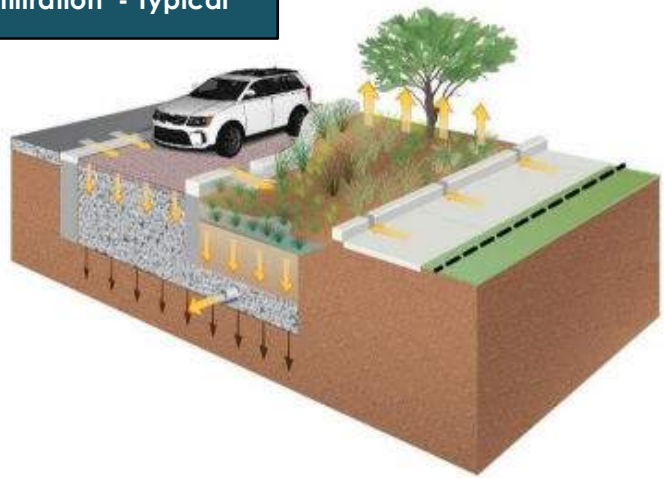
CULVER CITY STORMWATER QUALITY MASTER PLAN

Biofiltration Site: BF17

Project Map

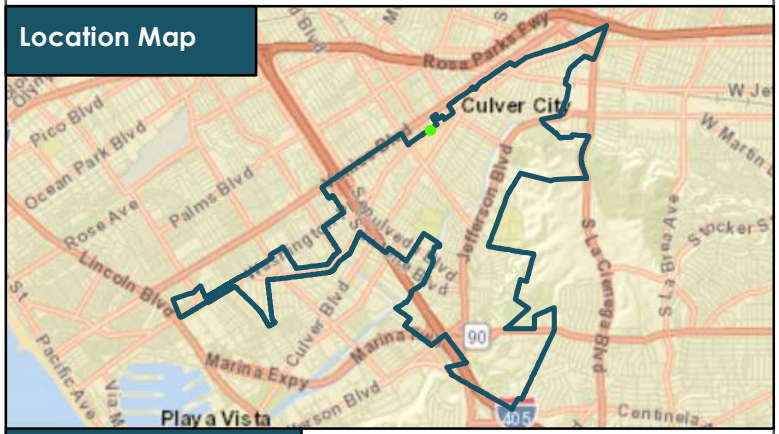
11/5/2020 JN \\irvica1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Biofiltration_MapBooks.mxd

Biofiltration - Typical



Source: Enhanced Watershed Management Program for the Ballona Creek Watershed, January 2016

Location Map



Project Information

Storage Capcity (ac-ft):	0
Drainage Area (ac):	0.01
Depth to Groundwater (ft):	48
EWMP Equivalient Volume (ac-ft):	0
Cost Estimate:	$15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

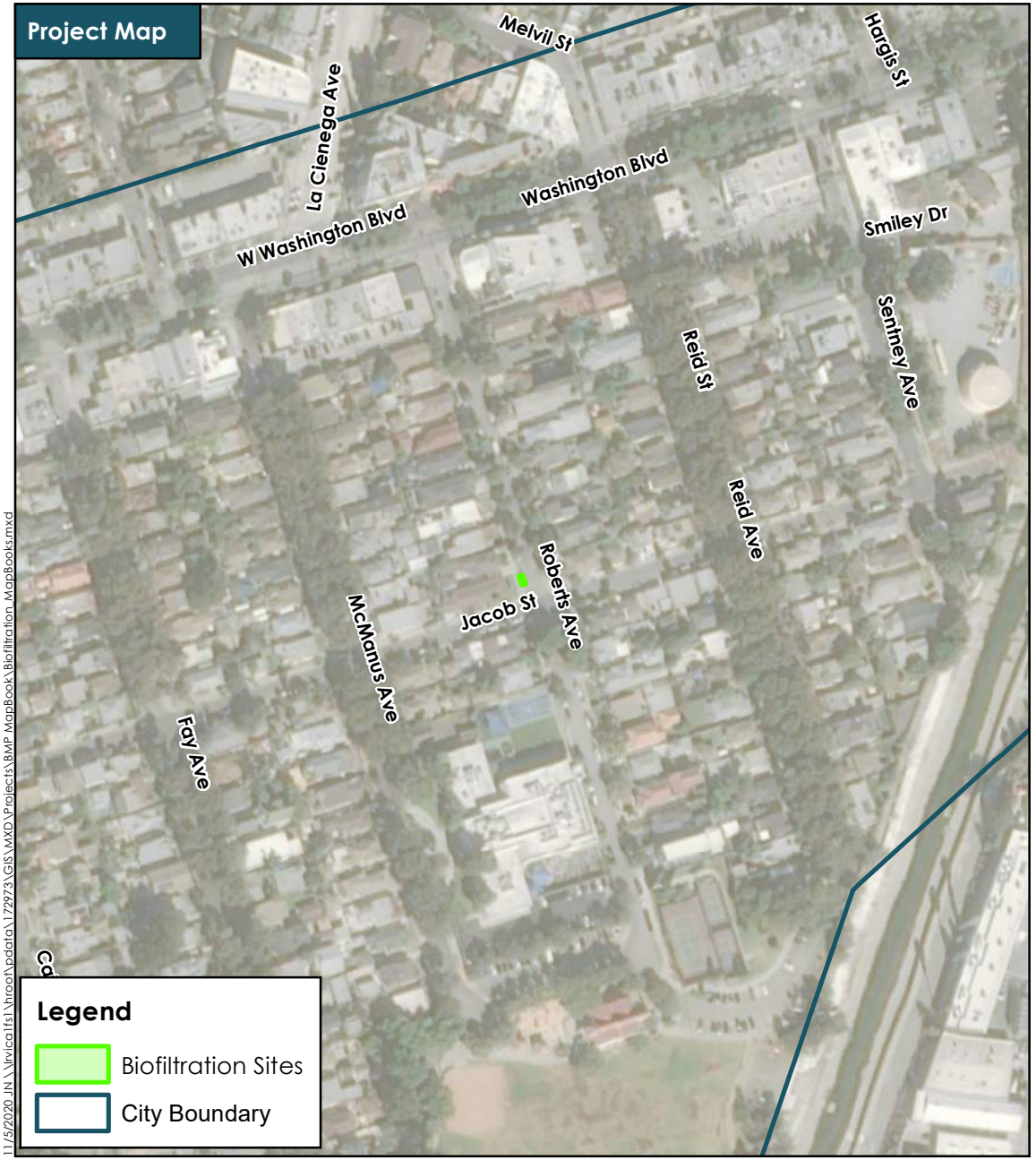
0 125 250 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

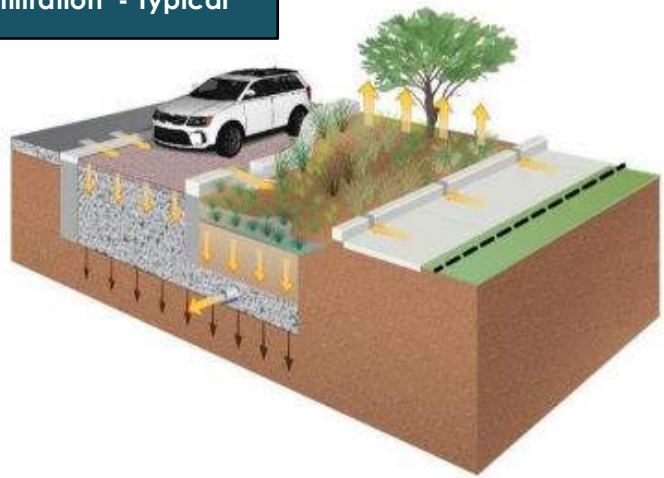
Biofiltration Site: BF18

Project Map



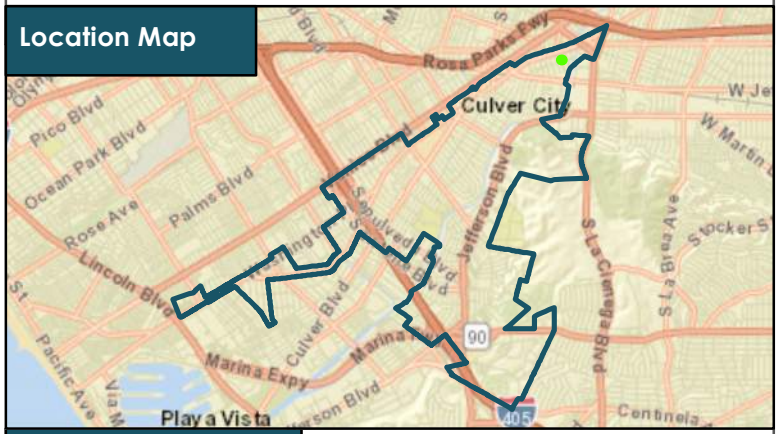
11/5/2020 JN \\Irvica1fs1\troot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Biofiltration_MapBooks.mxd

Biofiltration - Typical



Source: Enhanced Watershed Management Program for the Ballona Creek Watershed, January 2016

Location Map



Project Information

Storage Capcity (ac-ft):	0
Drainage Area (ac):	0.02
Depth to Groundwater (ft):	25
EWMP Equivalient Volume (ac-ft):	0
Cost Estimate:	$15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

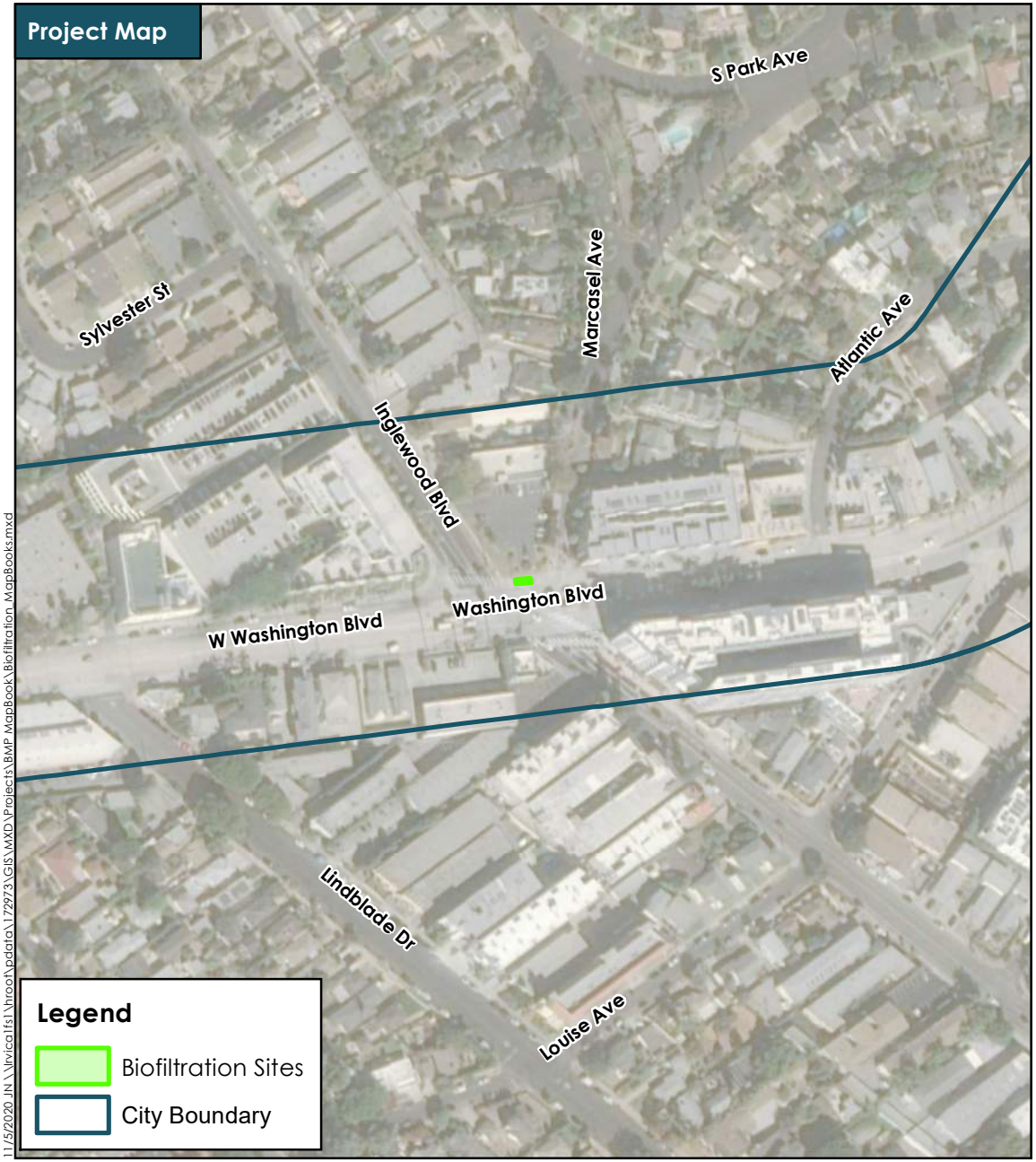
0 125 250 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

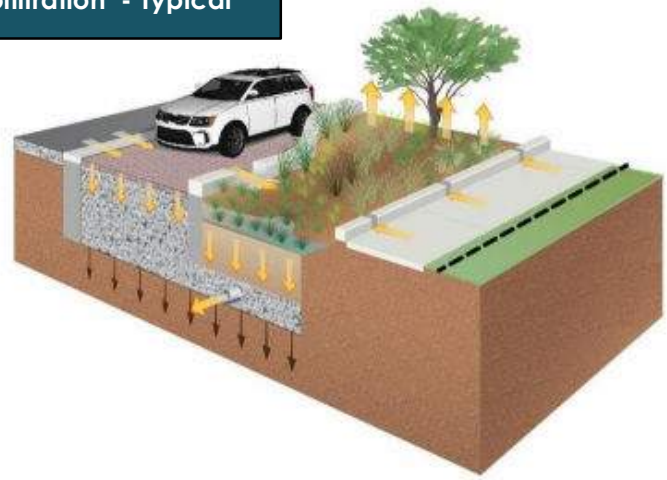
Biofiltration Site: BF19

Project Map



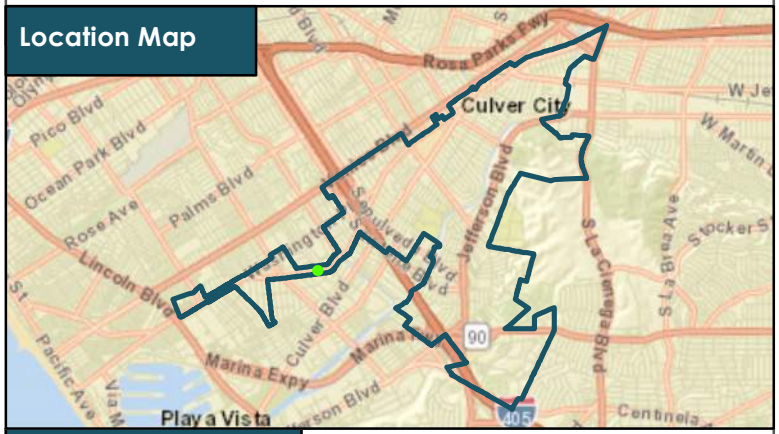
11/5/2020 JN \\Irvicalfs1\Inroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Biofiltration_MapBooks.mxd

Biofiltration - Typical



Source: Enhanced Watershed Management Program for the Ballona Creek Watershed, January 2016

Location Map



Project Information

Storage Capcity (ac-ft):	0
Drainage Area (ac):	0.03
Depth to Groundwater (ft):	0
EWMP Equivalient Volume (ac-ft):	0
Cost Estimate:	$15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

0 125 250 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Biofiltration Site: BF20

Project Map

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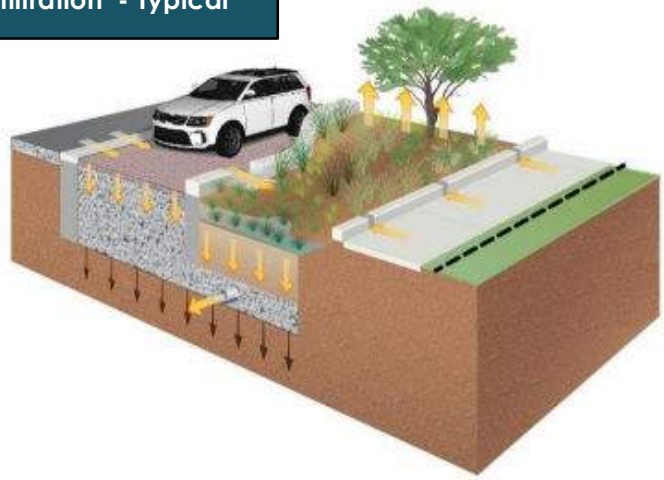
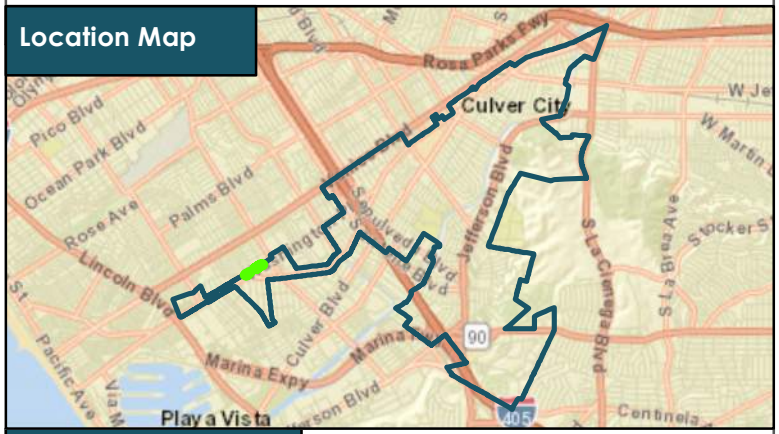
Biofiltration - Typical



Source: Enhanced Watershed Management Program for the Ballona Creek Watershed, January 2016

Location Map



Project Information

Storage Capcity (ac-ft):	0.07
Drainage Area (ac):	0.87
Depth to Groundwater (ft):	0
EWMP Equivalient Volume (ac-ft):	0.07
Cost Estimate:	$53,088

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

0 125 250 Feet

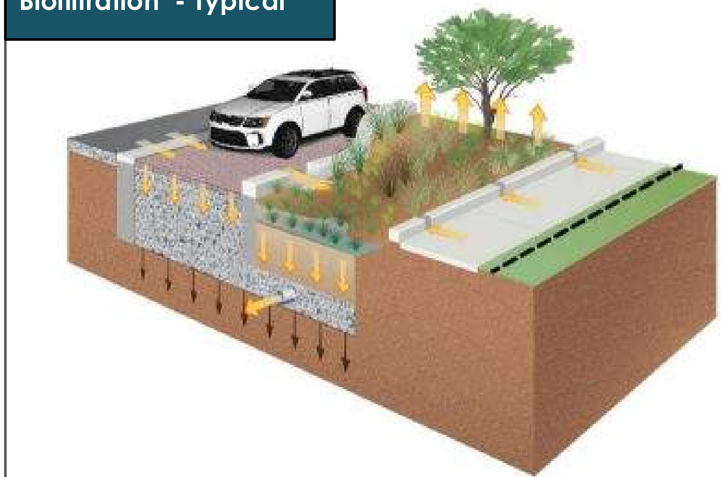
Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Biofiltration Site: BF21

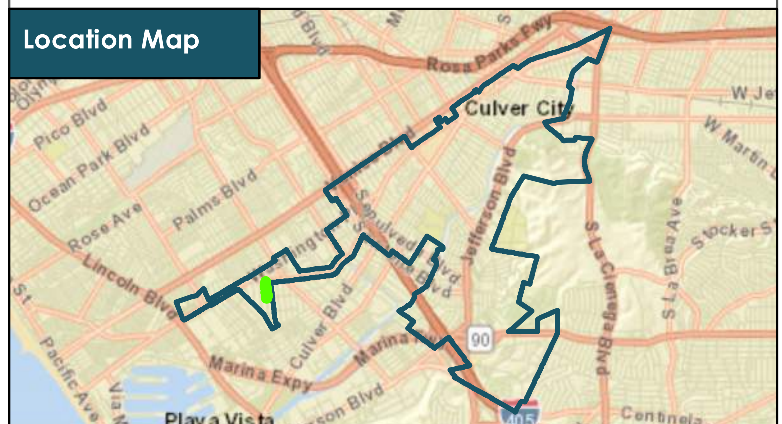
Project Map

Biofiltration - Typical



Source: Enhanced Watershed Management Program for the Ballona Creek Watershed, January 2016

Location Map



Project Information

Storage Capcity (ac-ft):	0.07
Drainage Area (ac):	0.86
Depth to Groundwater (ft):	0
EWMP Equivalient Volume (ac-ft):	0.06
Cost Estimate:	$52,234

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

0 125 250 Feet

Source: City of Culver City

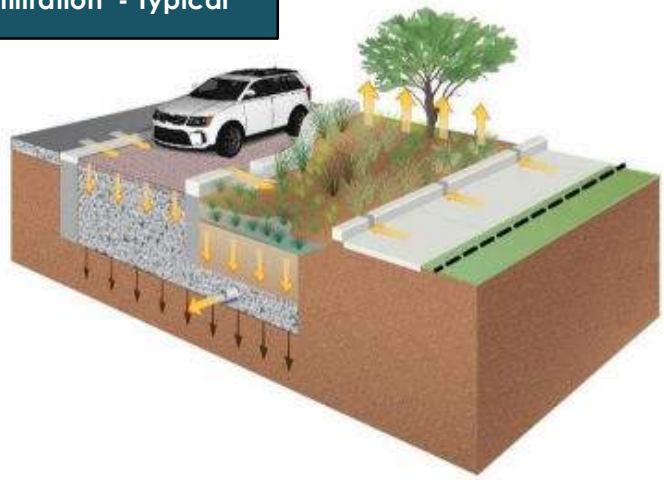
CULVER CITY STORMWATER QUALITY MASTER PLAN

Biofiltration Site: BF22

Project Map

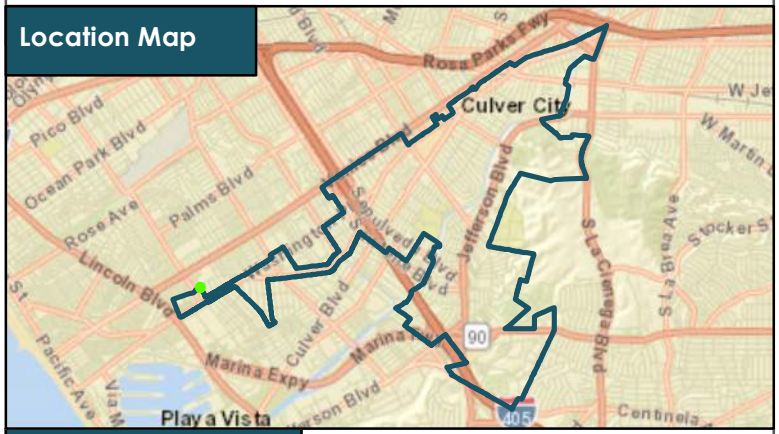
11/5/2020 JN \\Irvine1fs1\Inroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Biofiltration_MapBooks.mxd

Biofiltration - Typical



Source: Enhanced Watershed Management Program for the Ballona Creek Watershed, January 2016

Location Map



Project Information

Storage Capcity (ac-ft):	0
Drainage Area (ac):	0.02
Depth to Groundwater (ft):	0
EWMP Equivalient Volume (ac-ft):	0.01
Cost Estimate:	$15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

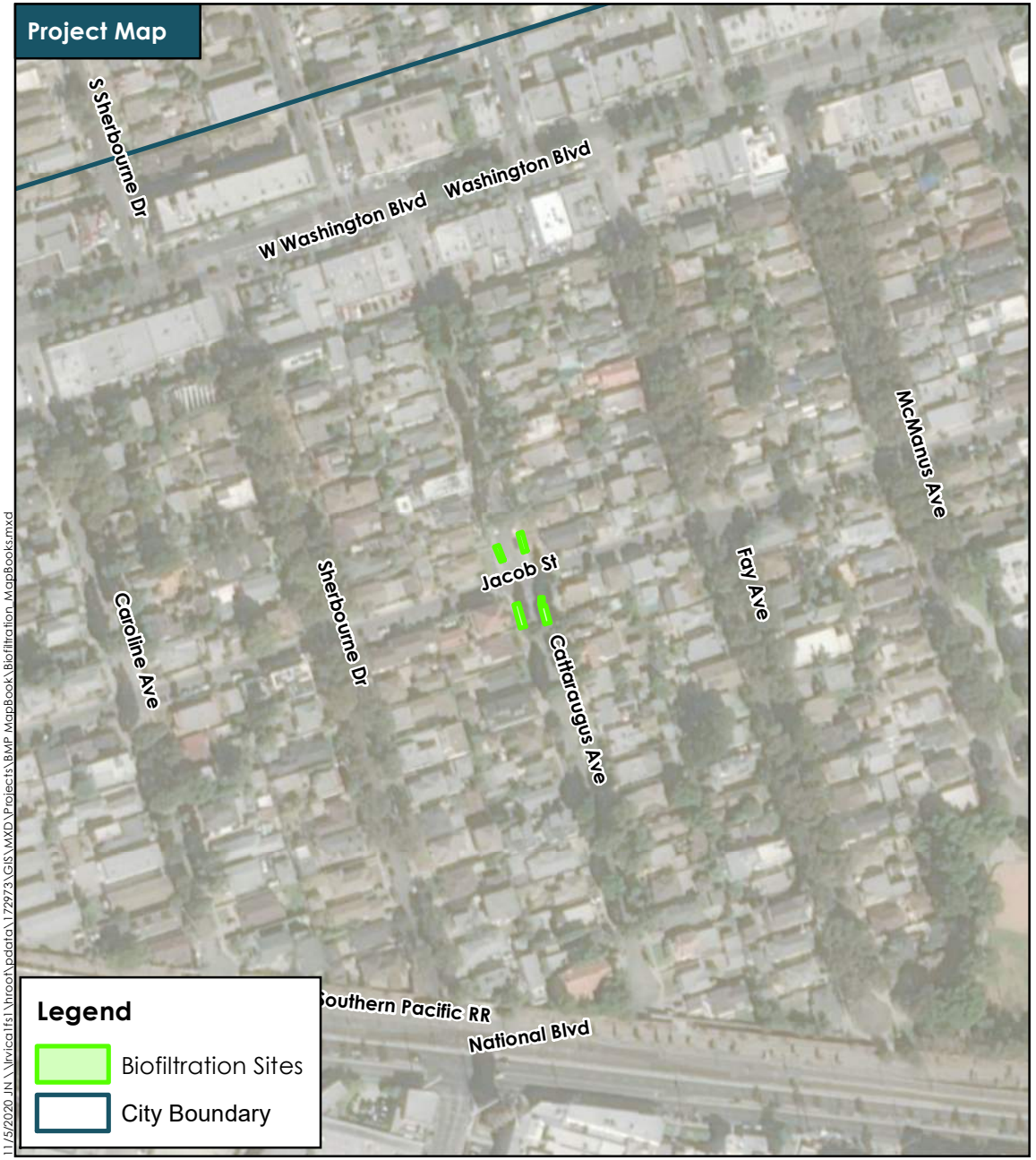
0 125 250 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

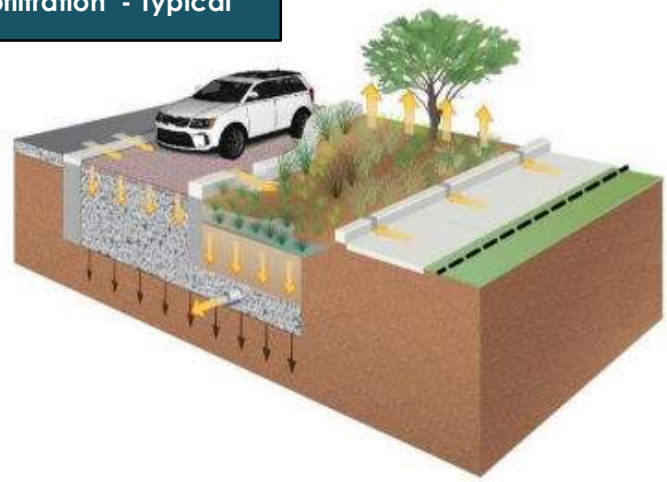
Biofiltration Site: BF23

Project Map



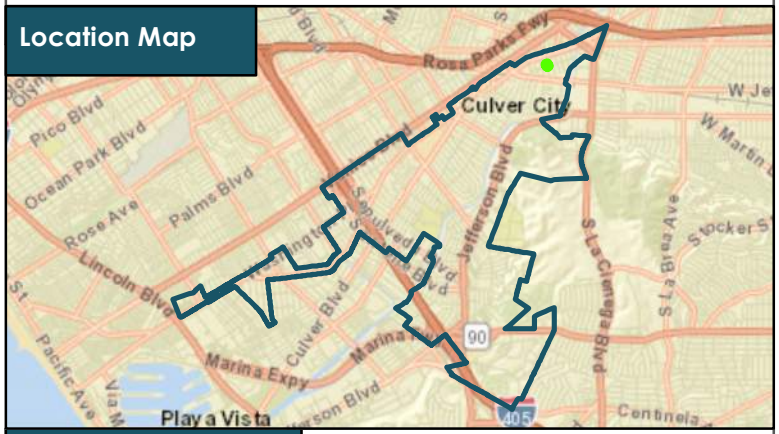
11/5/2020 JN \\irvicalfs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Biofiltration_MapBooks.mxd

Biofiltration - Typical



Source: Enhanced Watershed Management Program for the Ballona Creek Watershed, January 2016

Location Map



Project Information

Storage Capcity (ac-ft):	0.03
Drainage Area (ac):	0.34
Depth to Groundwater (ft):	33
EWMP Equivalient Volume (ac-ft):	0.03
Cost Estimate:	$21,001

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

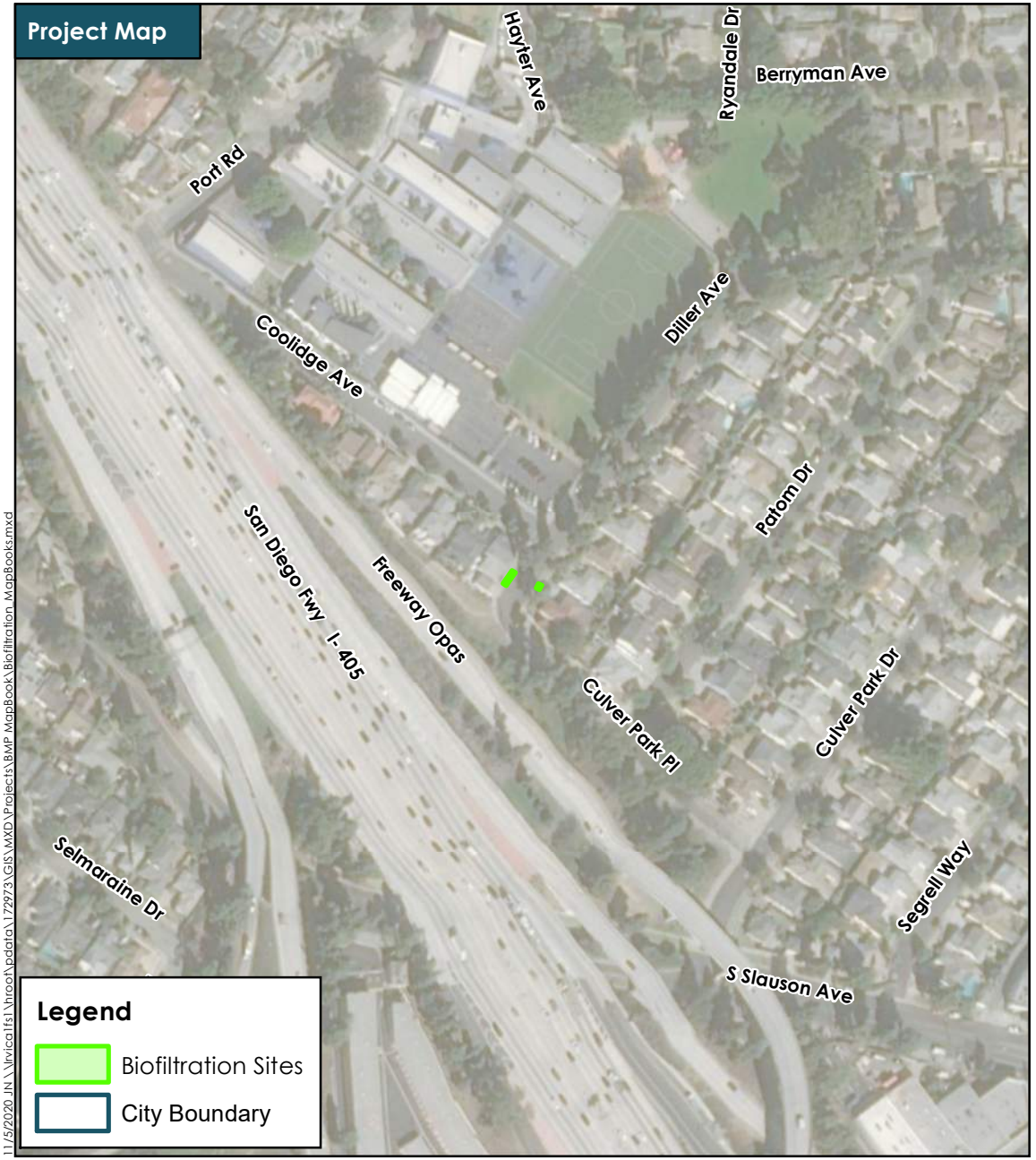
0 125 250 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

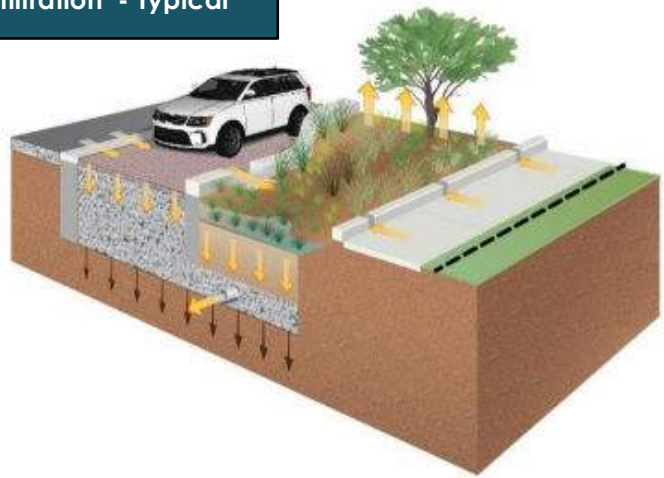
Biofiltration Site: BF24

Project Map



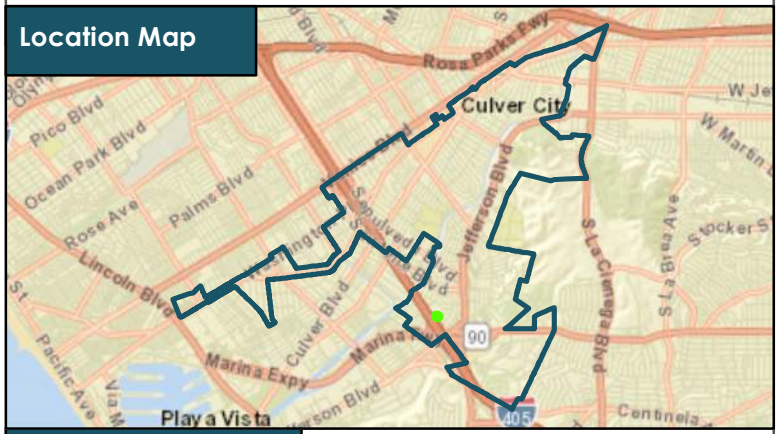
11/5/2020 JN \\irvicat1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Biofiltration_MapBooks.mxd

Biofiltration - Typical



Source: Enhanced Watershed Management Program for the Ballona Creek Watershed, January 2016

Location Map



Project Information

Storage Capcity (ac-ft):	0
Drainage Area (ac):	0.04
Depth to Groundwater (ft):	16
EWMP Equivalient Volume (ac-ft):	0
Cost Estimate:	$15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

0 125 250 Feet

Source: City of Culver City

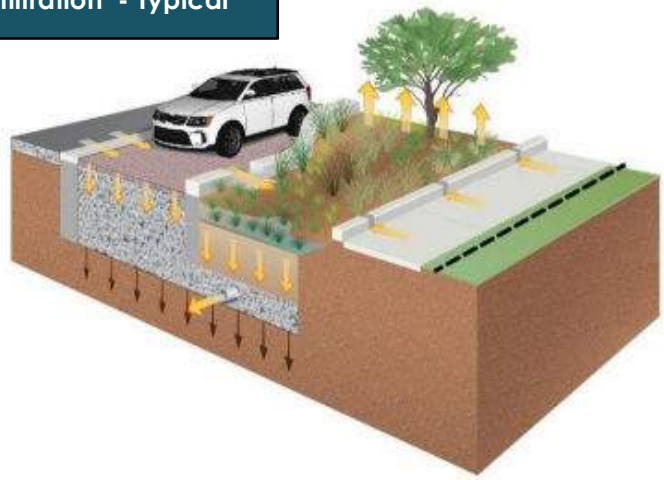
CULVER CITY STORMWATER QUALITY MASTER PLAN

Biofiltration Site: BF25

Project Map

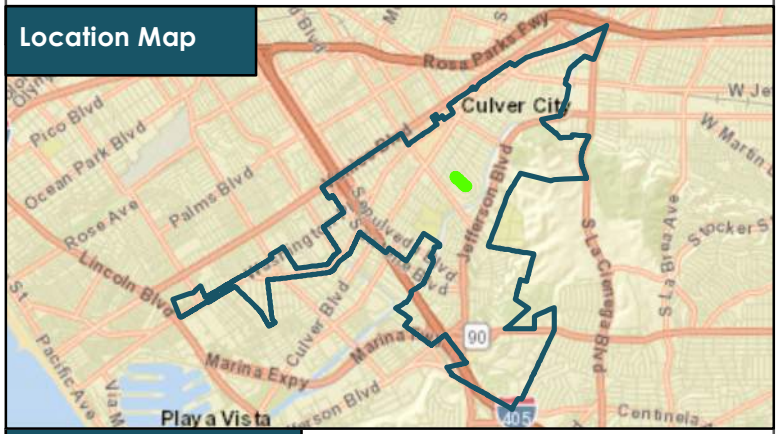
11/5/2020 JN \\Irvine1fs1\Inroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Biofiltration_MapBooks.mxd

Biofiltration - Typical



Source: Enhanced Watershed Management Program for the Ballona Creek Watershed, January 2016

Location Map



Project Information

Storage Capcity (ac-ft):	0.14
Drainage Area (ac):	1.68
Depth to Groundwater (ft):	28
EWMP Equivalient Volume (ac-ft):	0.13
Cost Estimate:	$102,605

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

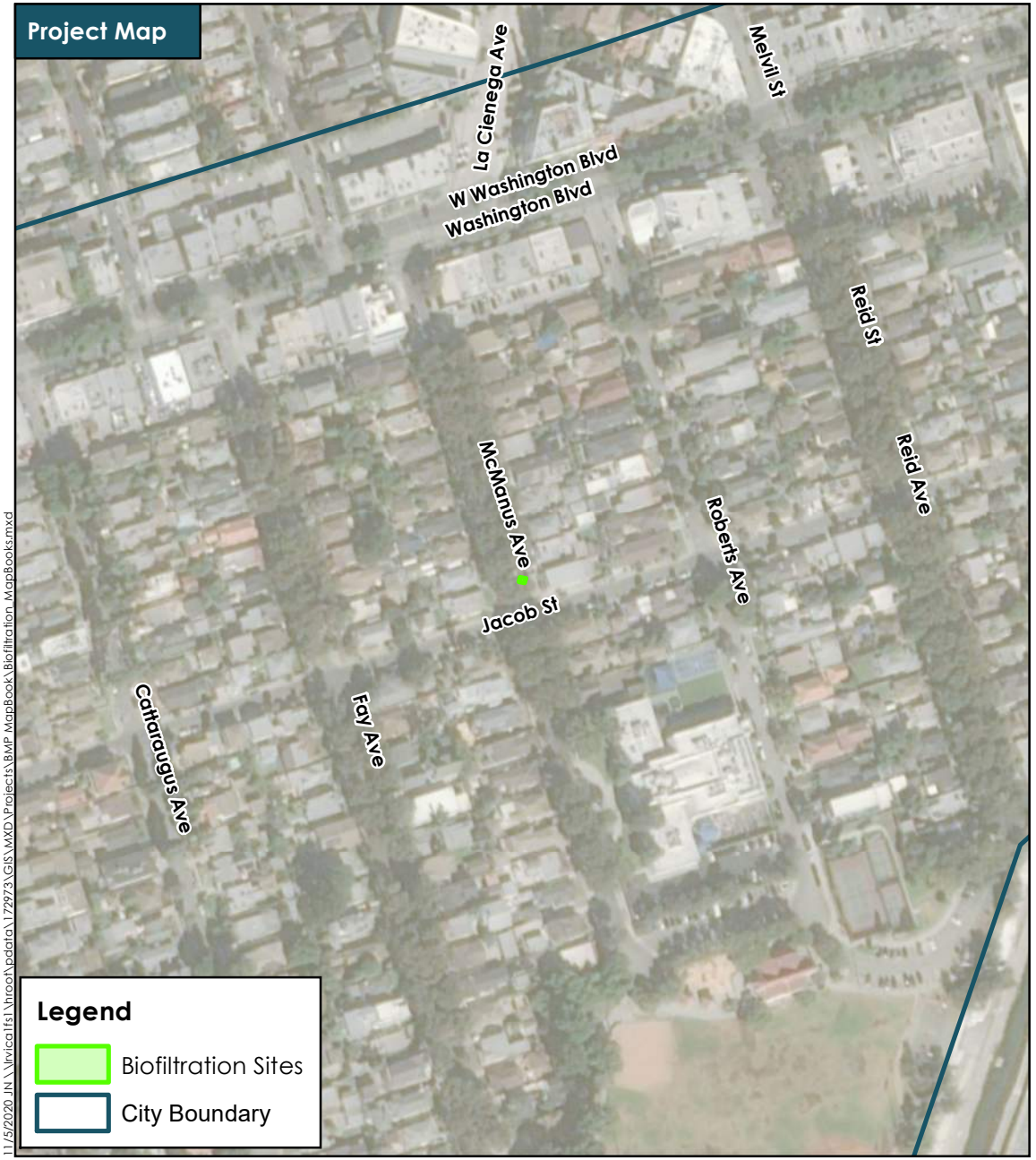
0 125 250 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Biofiltration Site: BF26

Project Map



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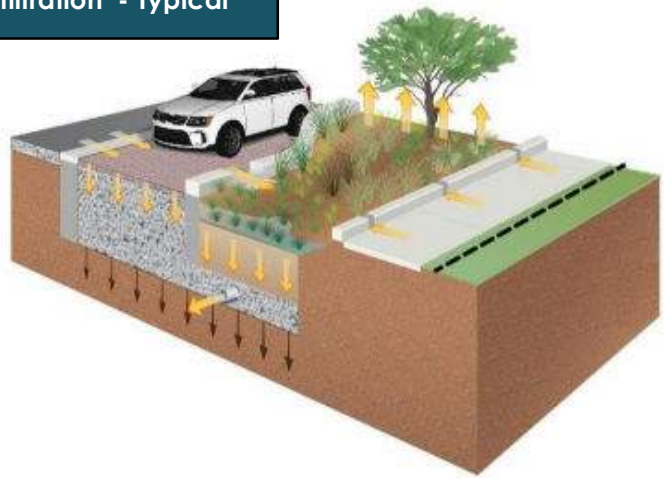
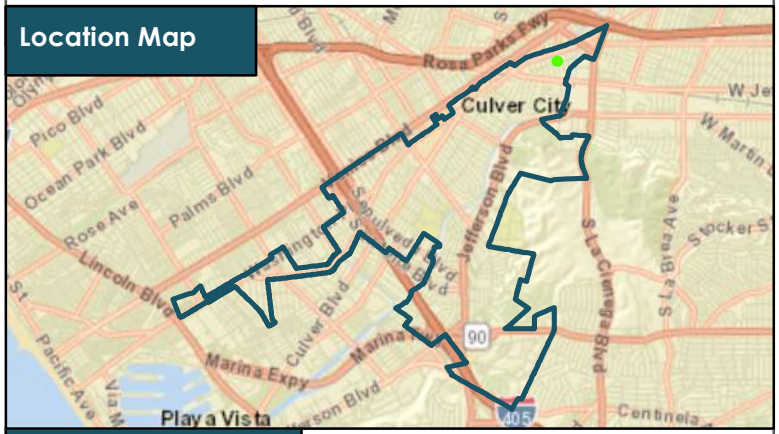
Biofiltration - Typical



Source: Enhanced Watershed Management Program for the Ballona Creek Watershed, January 2016

Location Map



Project Information

Storage Capcity (ac-ft):	0
Drainage Area (ac):	0.01
Depth to Groundwater (ft):	28
EWMP Equivalient Volume (ac-ft):	0
Cost Estimate:	$15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

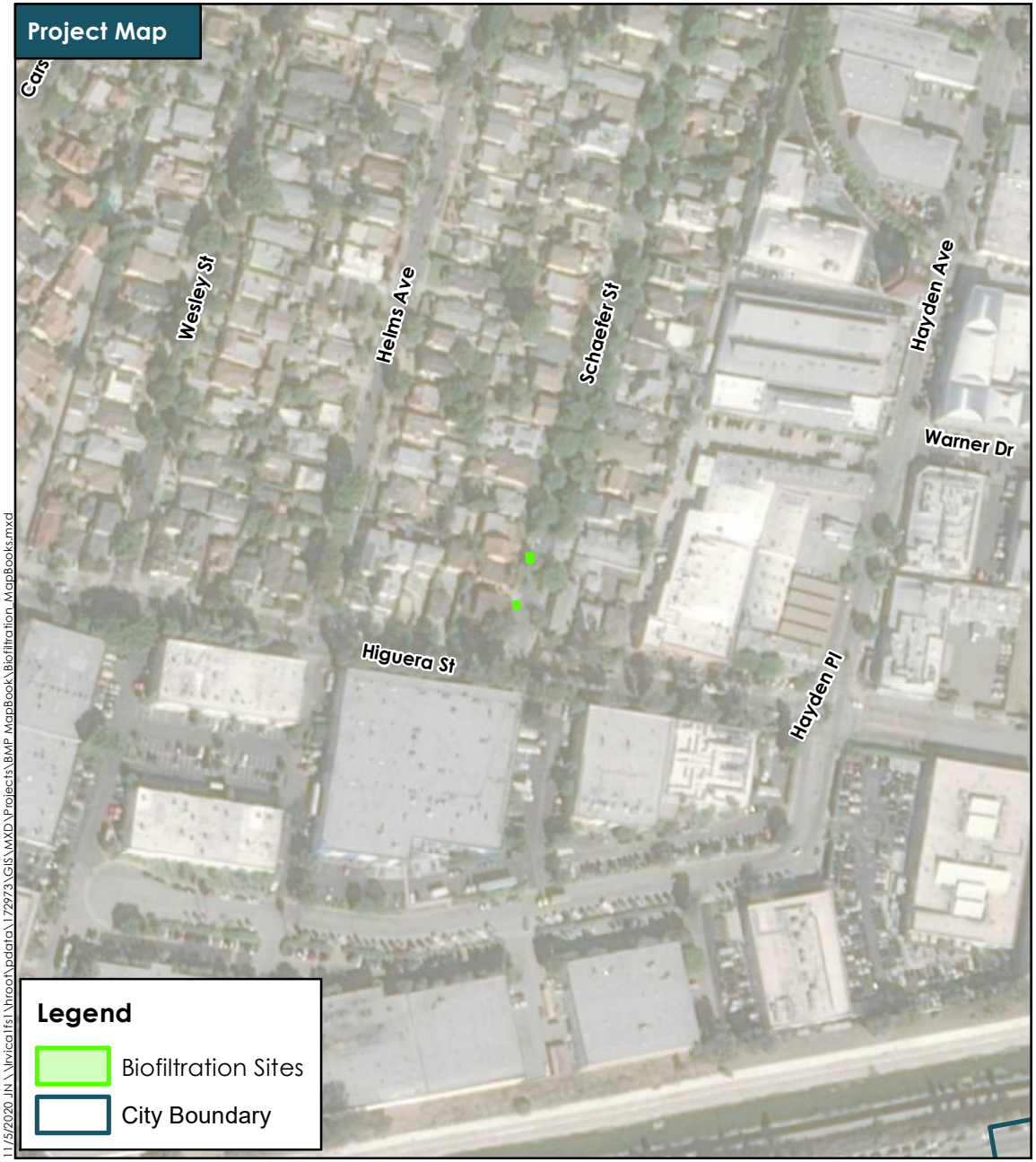
0 125 250 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

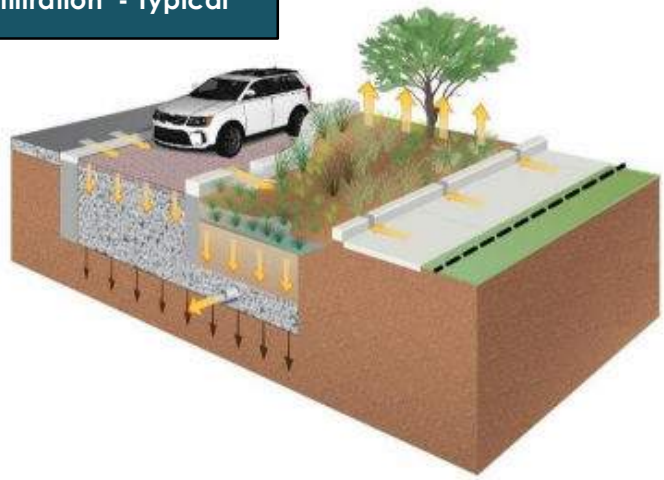
Biofiltration Site: BF27

Project Map



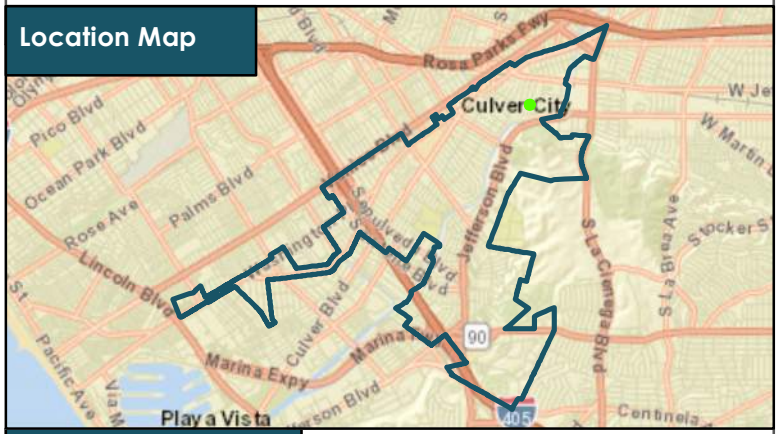
11/5/2020 JN \\irvicalfs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Biofiltration_MapBooks.mxd

Biofiltration - Typical



Source: Enhanced Watershed Management Program for the Ballona Creek Watershed, January 2016

Location Map



Project Information

Storage Capcity (ac-ft):	0
Drainage Area (ac):	0.02
Depth to Groundwater (ft):	33
EWMP Equivalient Volume (ac-ft):	0
Cost Estimate:	$15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

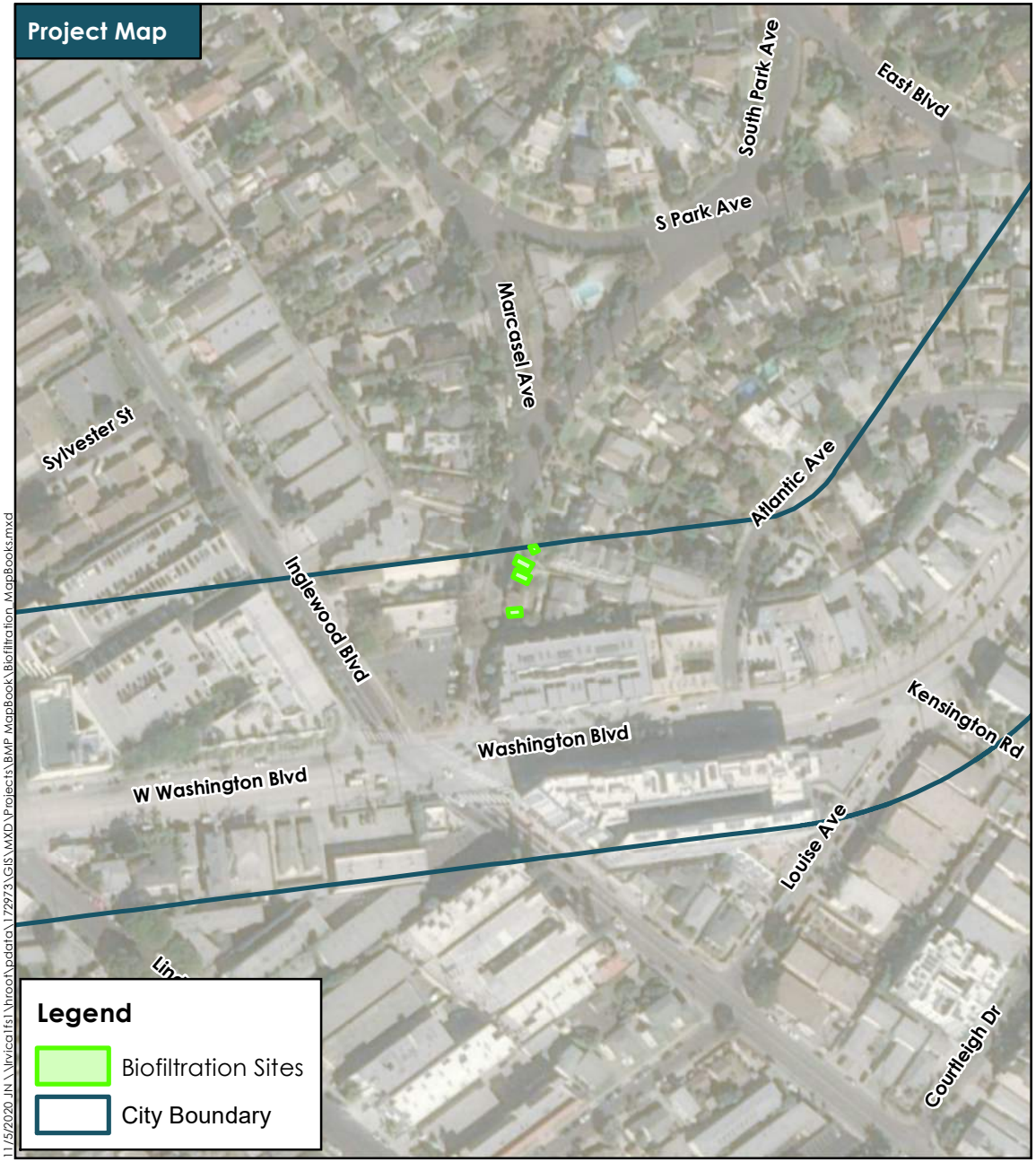
0 125 250 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Biofiltration Site: BF28

Project Map



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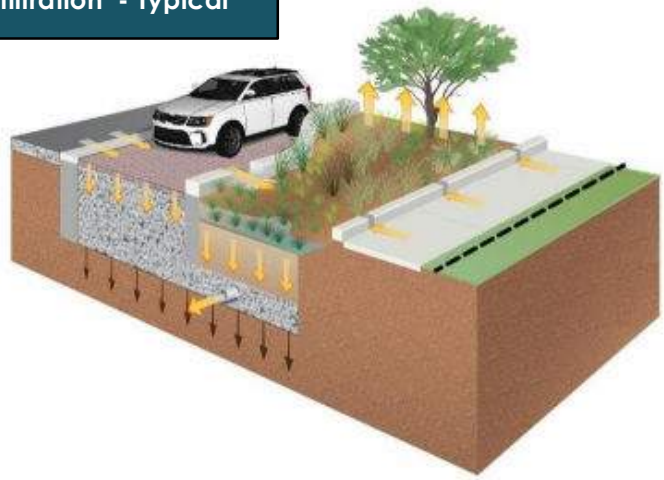
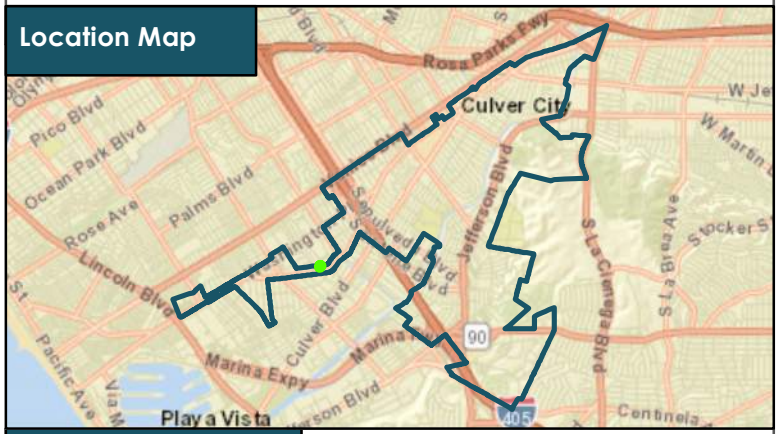
Biofiltration - Typical



Source: Enhanced Watershed Management Program for the Ballona Creek Watershed, January 2016

Location Map



Project Information

Storage Capcity (ac-ft):	0.03
Drainage Area (ac):	0.34
Depth to Groundwater (ft):	37
EWMP Equivalient Volume (ac-ft):	0.03
Cost Estimate:	$20,505

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

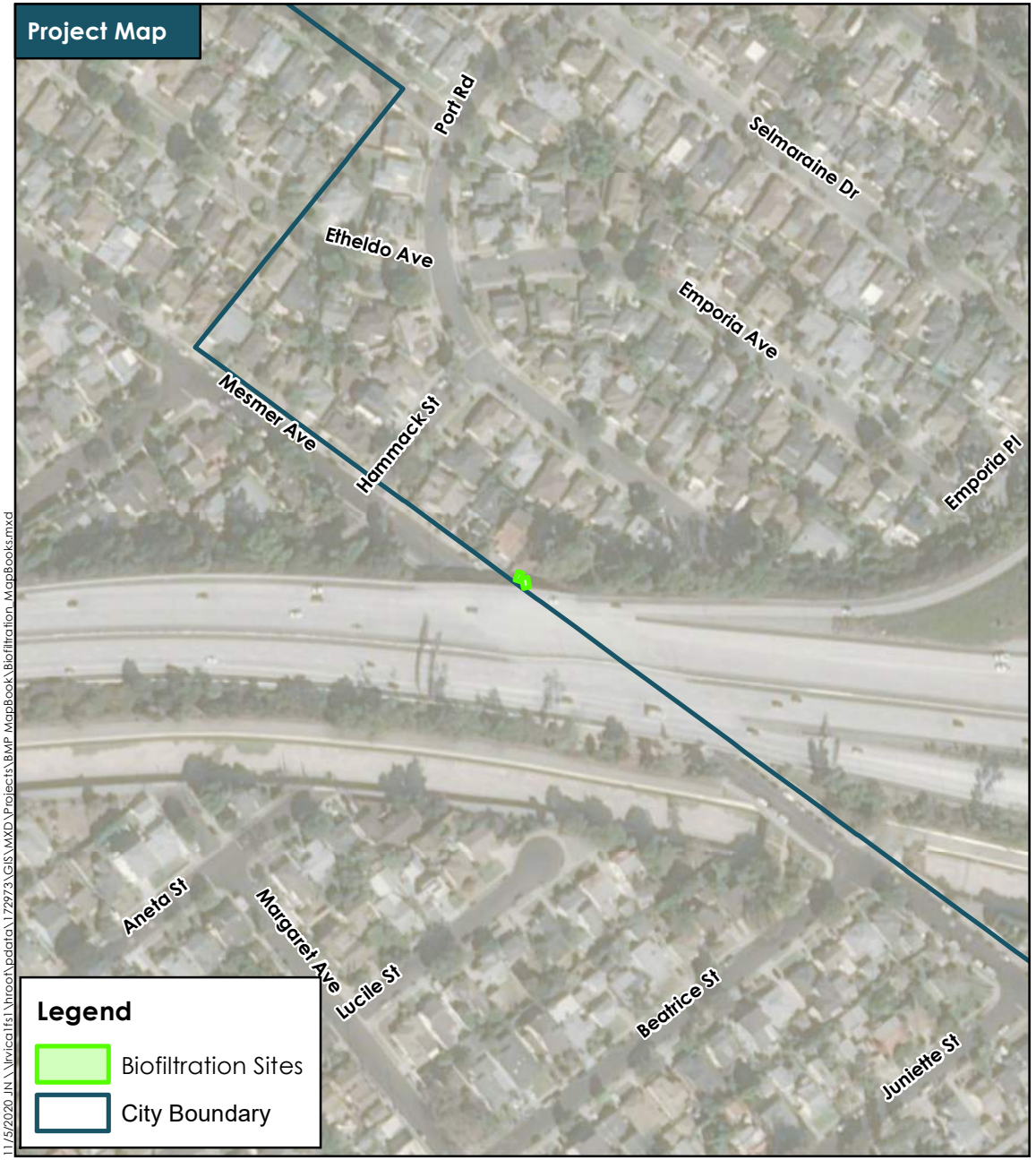
0 125 250 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

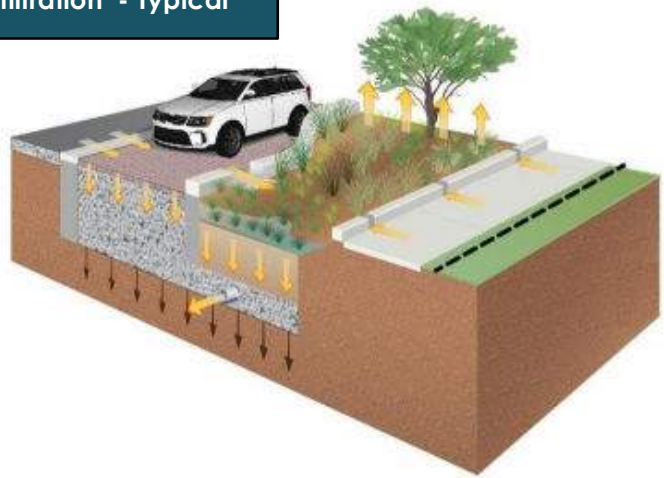
Biofiltration Site: BF29

Project Map



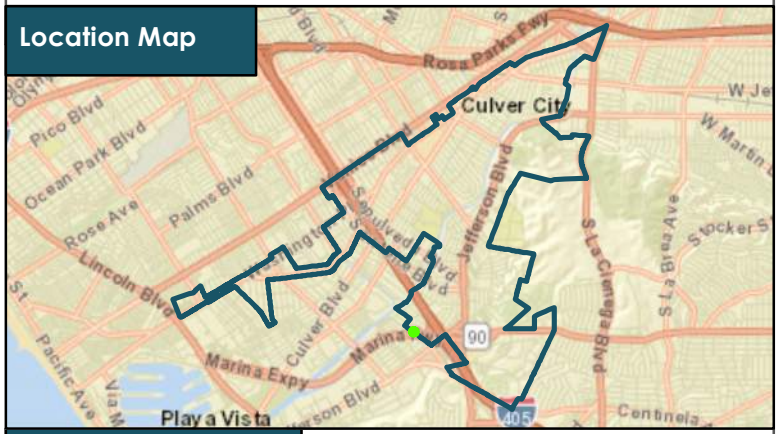
11/5/2020 JN \\irvlca1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Biofiltration_MapBooks.mxd

Biofiltration - Typical



Source: Enhanced Watershed Management Program for the Ballona Creek Watershed, January 2016

Location Map



Project Information

Storage Capcity (ac-ft):	0.01
Drainage Area (ac):	0.1
Depth to Groundwater (ft):	12
EWMP Equivalient Volume (ac-ft):	0.01
Cost Estimate:	$15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

0 125 250 Feet

Source: City of Culver City

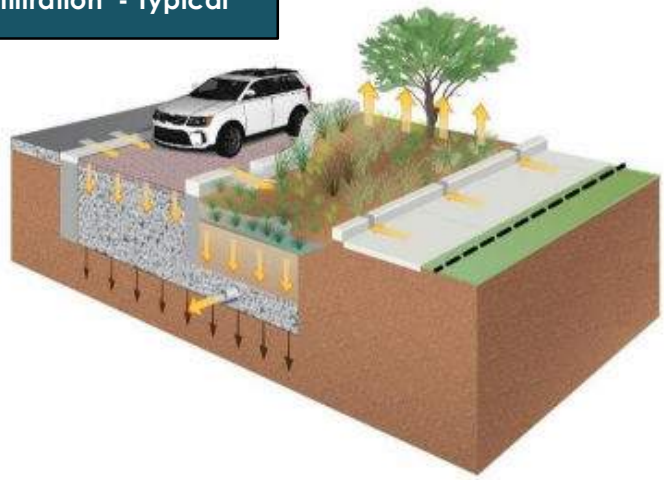
CULVER CITY STORMWATER QUALITY MASTER PLAN

Biofiltration Site: BF30

Project Map

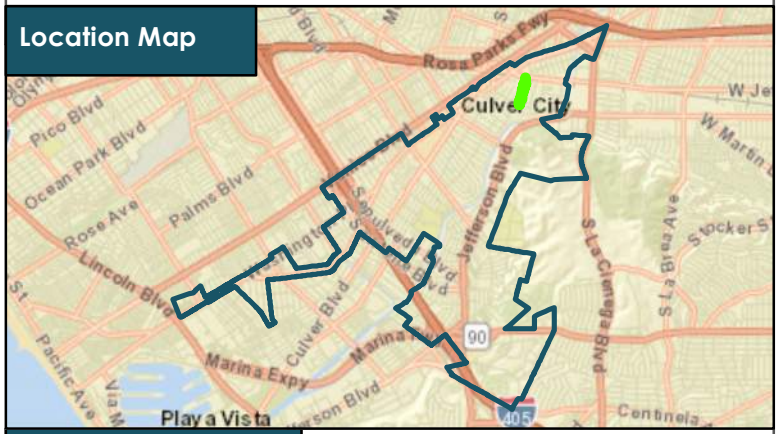
11/5/2020 JN \\irvica1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Biofiltration_MapBooks.mxd

Biofiltration - Typical



Source: Enhanced Watershed Management Program for the Ballona Creek Watershed, January 2016

Location Map



Project Information

Storage Capcity (ac-ft):	0.1
Drainage Area (ac):	1.23
Depth to Groundwater (ft):	32
EWMP Equivalient Volume (ac-ft):	0.1
Cost Estimate:	$75,024

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

0 125 250 Feet

Source: City of Culver City

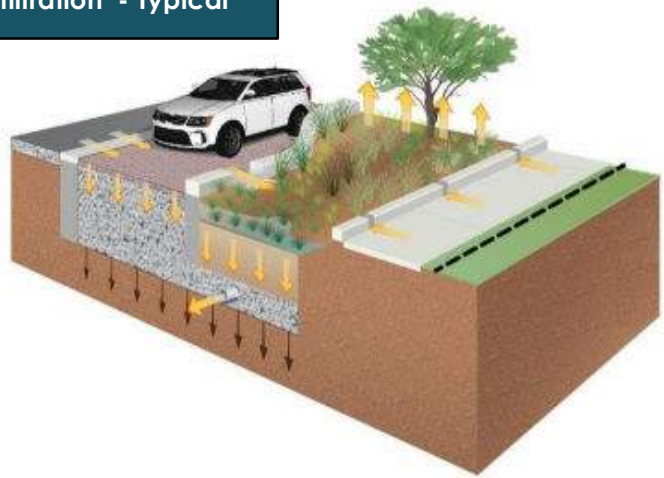
CULVER CITY STORMWATER QUALITY MASTER PLAN

Biofiltration Site: BF31

Project Map

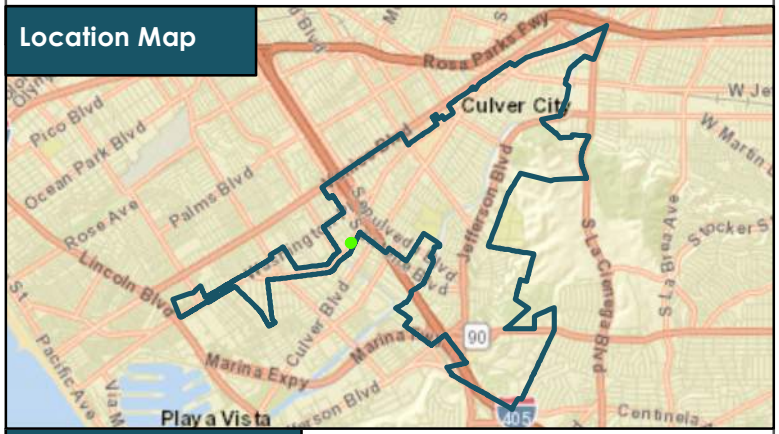
11/5/2020 JN \\Irvica1fs1\Inroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Biofiltration_MapBooks.mxd

Biofiltration - Typical



Source: Enhanced Watershed Management Program for the Ballona Creek Watershed, January 2016

Location Map



Project Information

Storage Capcity (ac-ft):	0.01
Drainage Area (ac):	0.13
Depth to Groundwater (ft):	31
EWMP Equivalient Volume (ac-ft):	0.01
Cost Estimate:	$15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

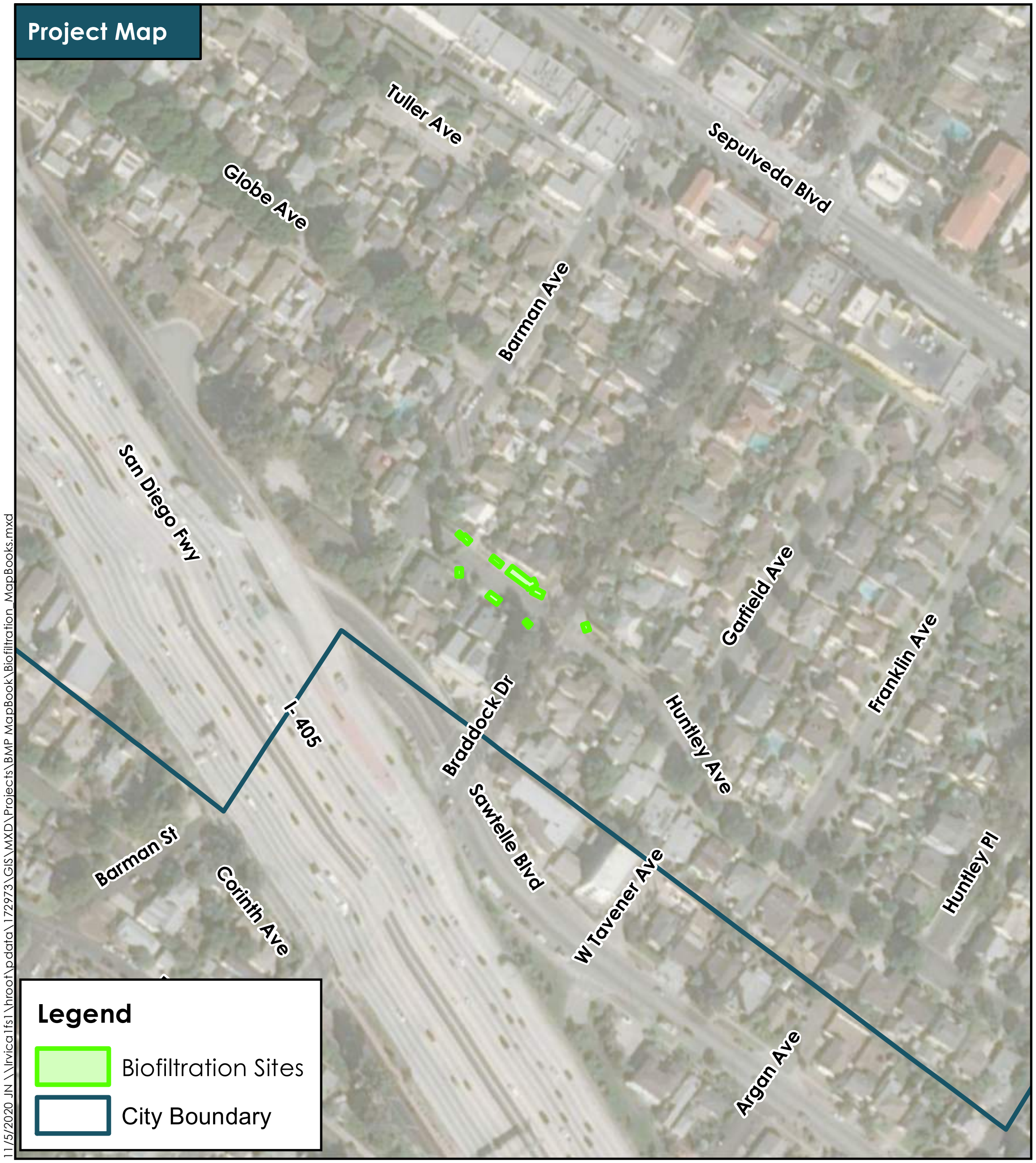
0 125 250 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

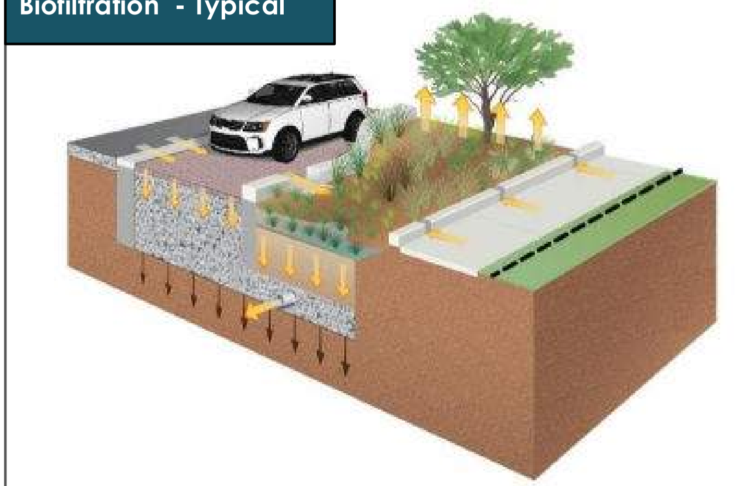
Biofiltration Site: BF32

Project Map



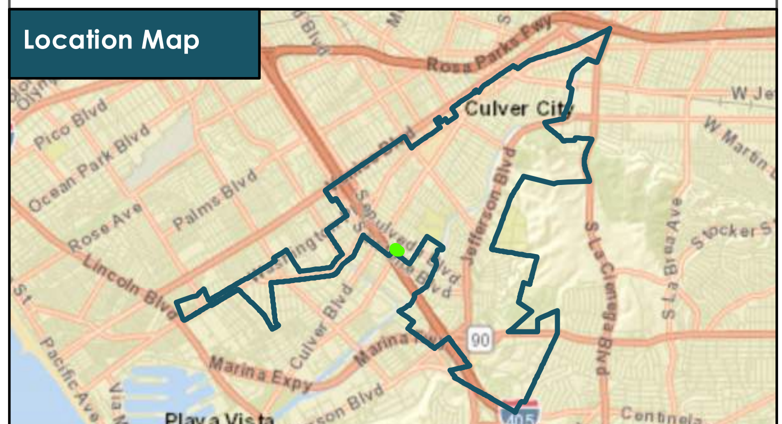
11/5/2020 JN \\irvicalfs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Biofiltration_MapBooks.mxd

Biofiltration - Typical



Source: Enhanced Watershed Management Program for the Ballona Creek Watershed, January 2016

Location Map



Project Information

Storage Capcity (ac-ft):	0.06
Drainage Area (ac):	0.72
Depth to Groundwater (ft):	19
EWMP Equivalient Volume (ac-ft):	0.05
Cost Estimate:	$44,042

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

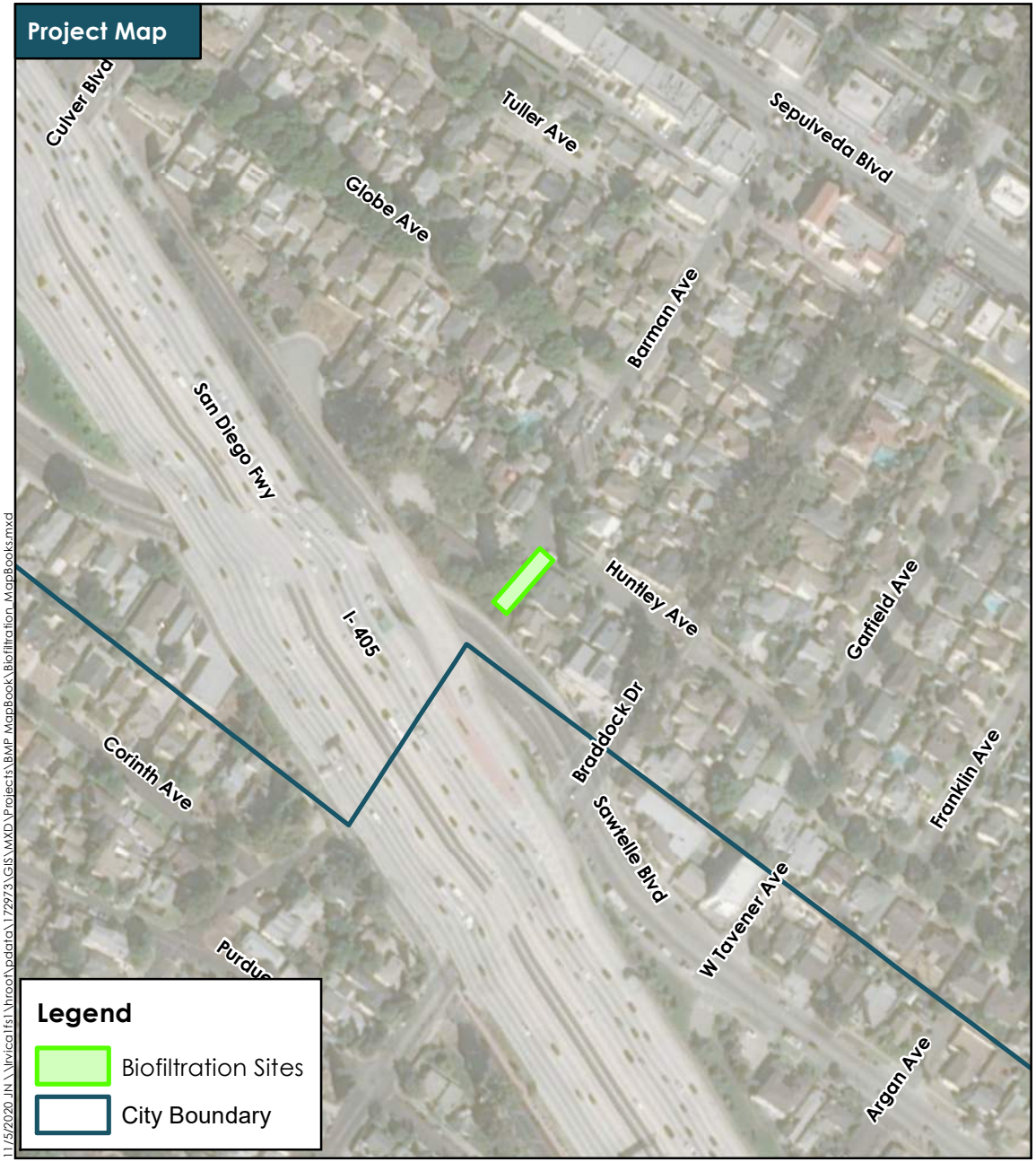
0 125 250 Feet

Source: City of Culver City

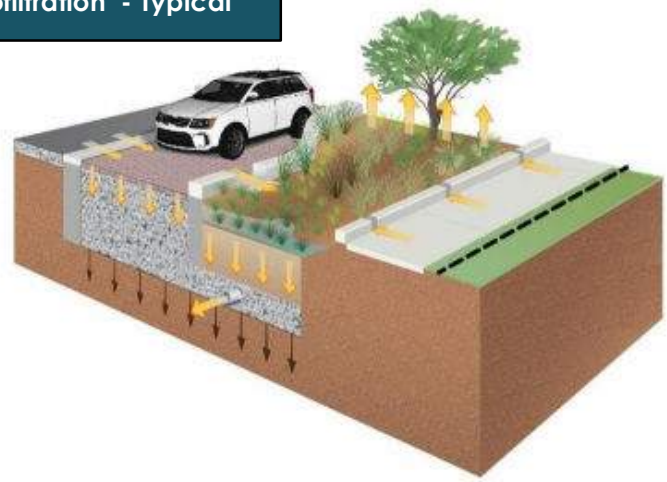
CULVER CITY STORMWATER QUALITY MASTER PLAN

Biofiltration Site: BF33

Project Map



Biofiltration - Typical



Source: Enhanced Watershed Management Program for the Ballona Creek Watershed, January 2016

Location Map

Project Information

Storage Capcity (ac-ft):	0.04
Drainage Area (ac):	0.54
Depth to Groundwater (ft):	19
EWMP Equivalient Volume (ac-ft):	0.04
Cost Estimate:	$33,217

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

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0 125 250 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Biofiltration Site: BF34

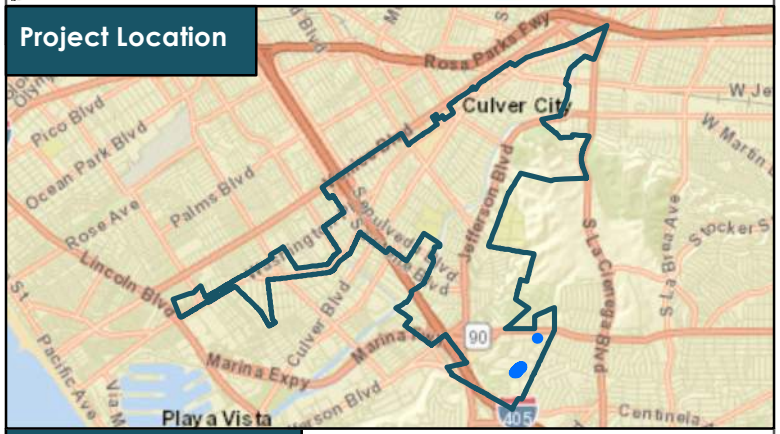
Project Map

11/5/2020 JN \\Irvlca1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.08
Drainage Area (ac):		1.01
Depth to Groundwater (ft):		54
EWMP Equivalient Volume (ac-ft):		0.07
Cost Estimate:	$	49,693

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

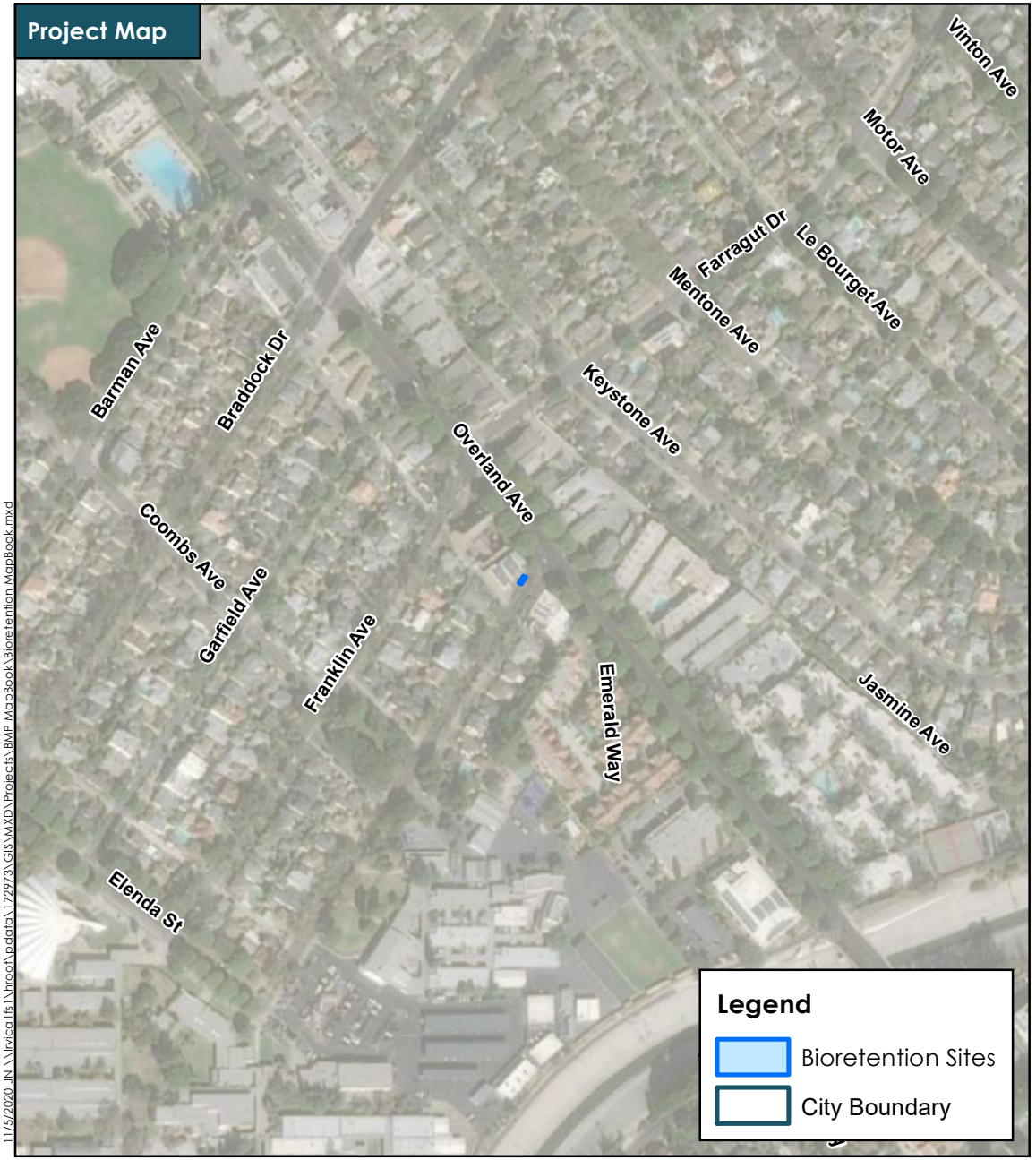
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR1

Project Map



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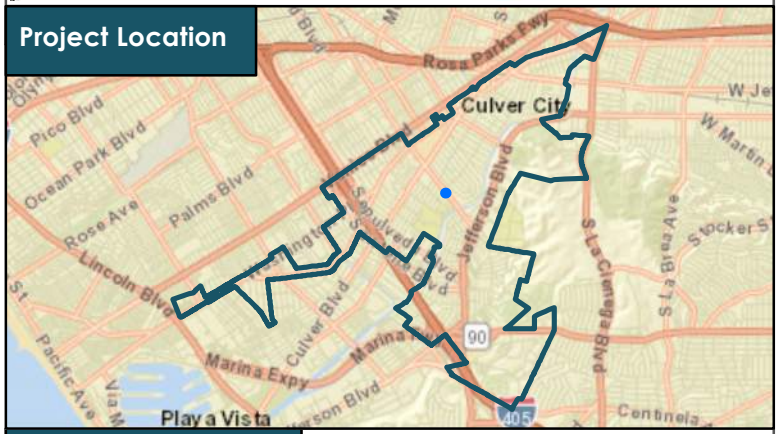
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0
Drainage Area (ac):		0.03
Depth to Groundwater (ft):		33
EWMP Equivalient Volume (ac-ft):		0
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR2

Project Map

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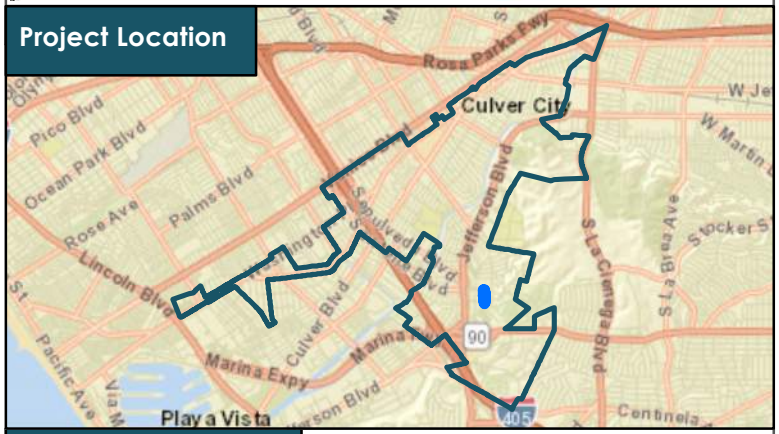
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.09
Drainage Area (ac):		1.07
Depth to Groundwater (ft):		18
EWMP Equivalient Volume (ac-ft):		0.08
Cost Estimate:	$	52,313

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

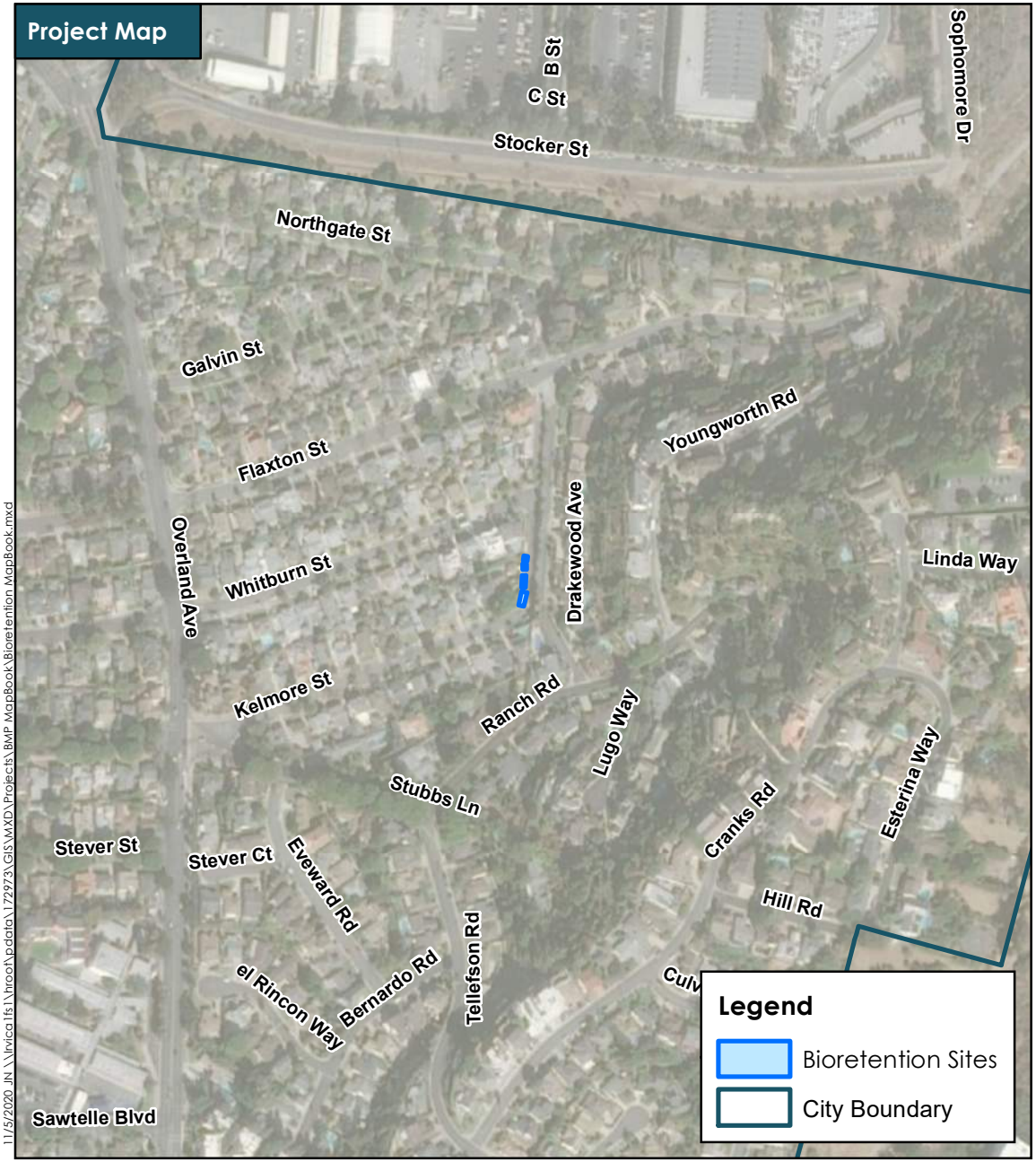
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR3

Project Map



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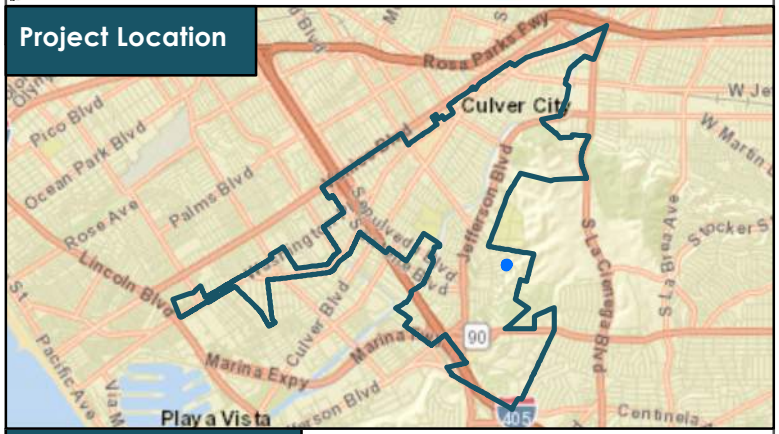
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.03
Drainage Area (ac):		0.38
Depth to Groundwater (ft):		69
EWMP Equivalient Volume (ac-ft):		0.03
Cost Estimate:	$	18,579

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

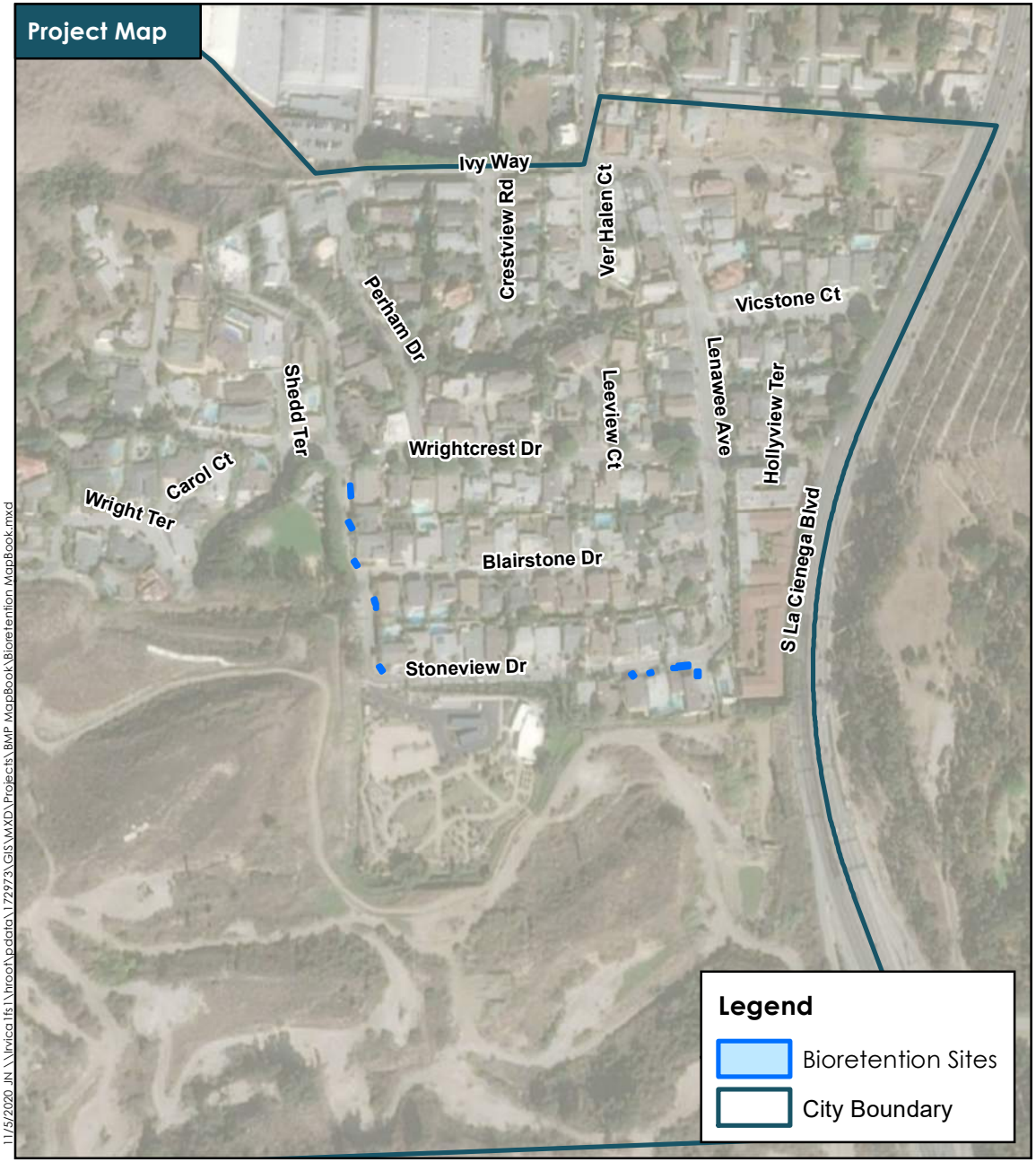
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR4

Project Map

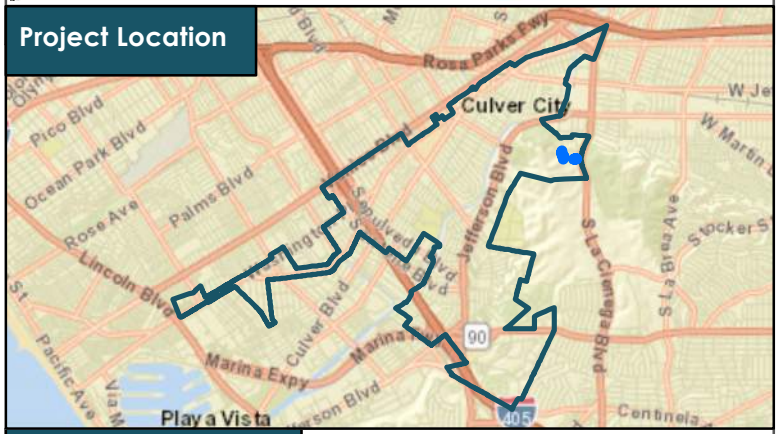


11/5/2020 JN \\Irvica1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.02
Drainage Area (ac):		0.3
Depth to Groundwater (ft):		138
EWMP Equivalient Volume (ac-ft):		0.02
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

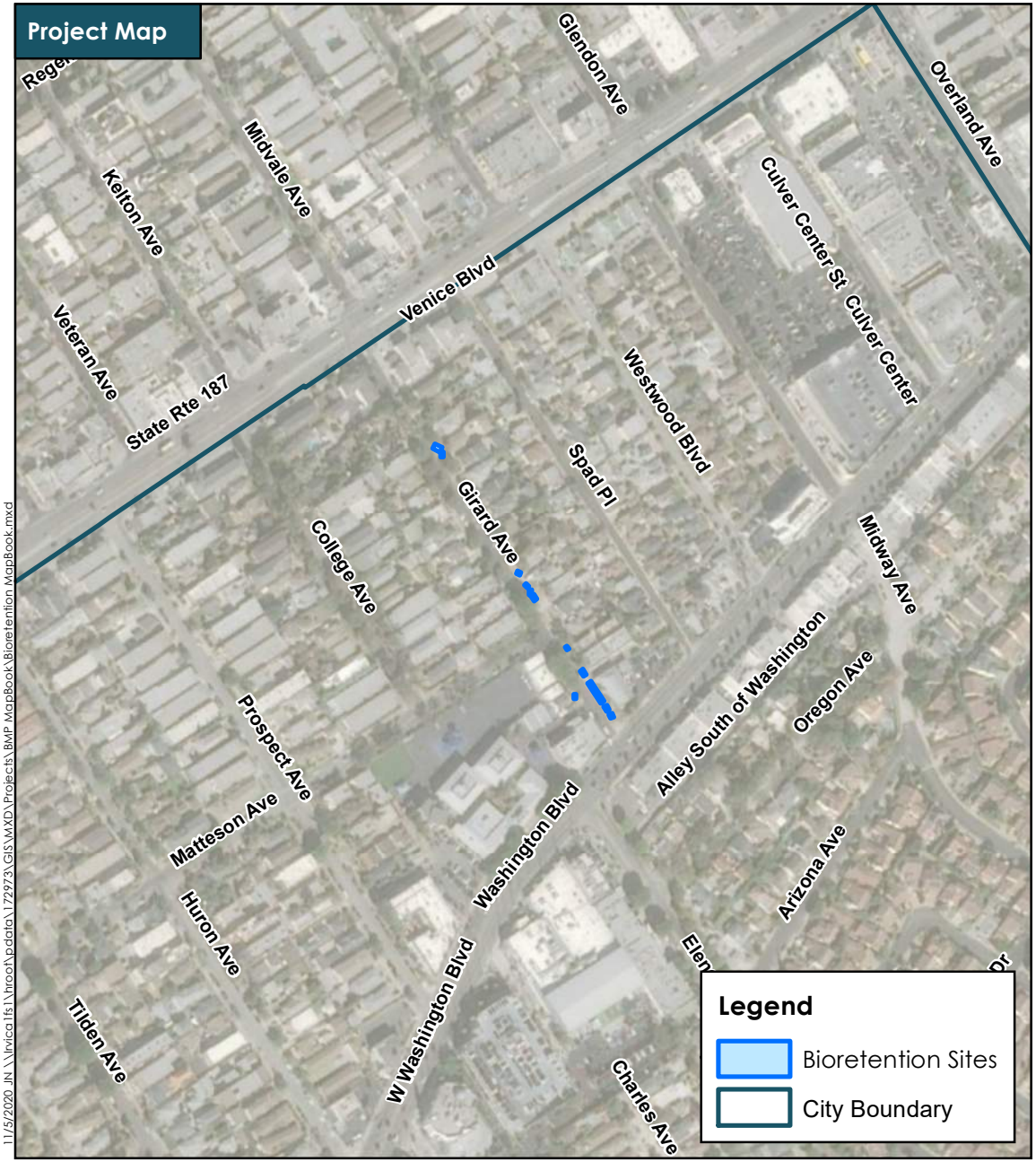
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR5

Project Map

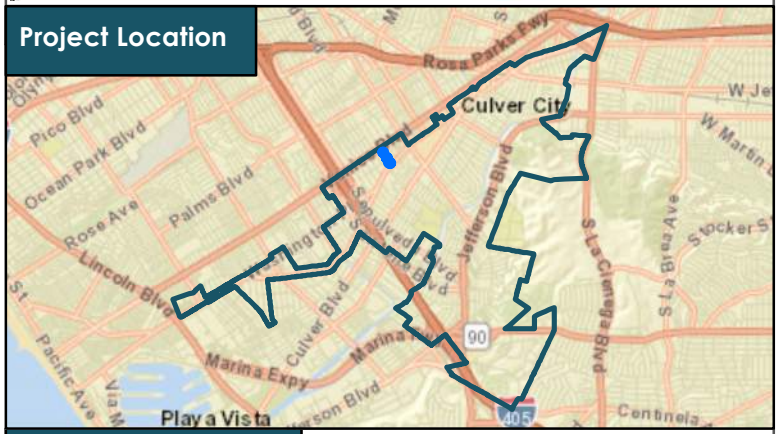


11/5/2020 JN \\Irvlcal1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.05
Drainage Area (ac):		0.62
Depth to Groundwater (ft):		33
EWMP Equivalient Volume (ac-ft):		0.03
Cost Estimate:	$	30,486

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

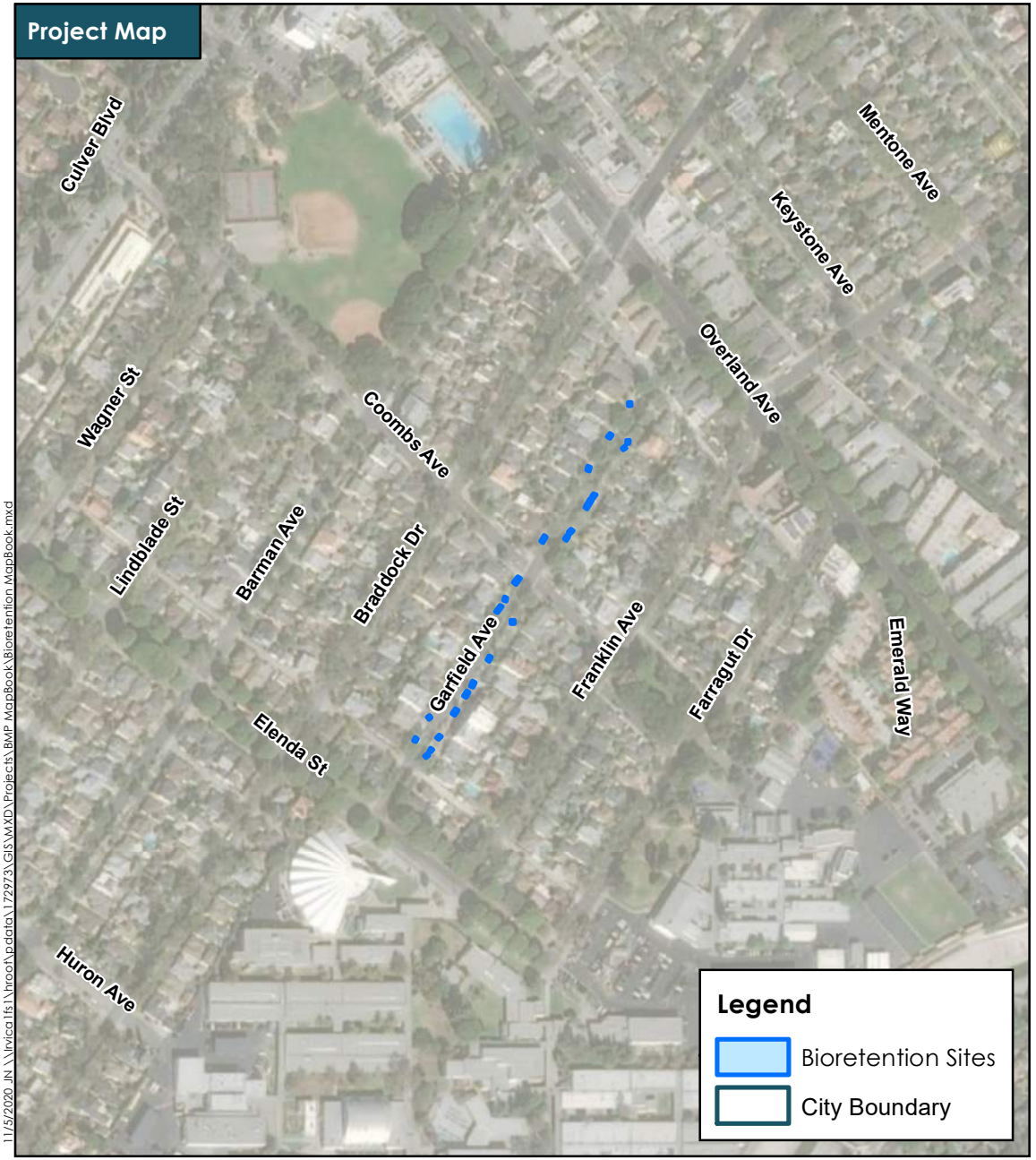
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

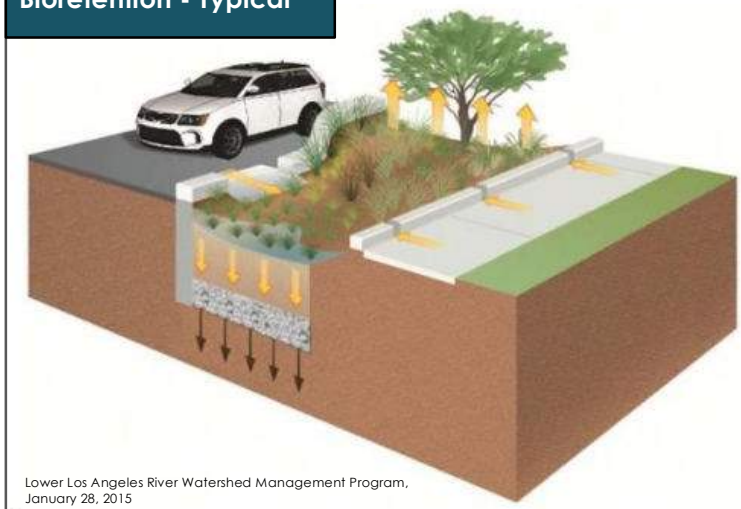
Bioretention Site: BR6

Project Map



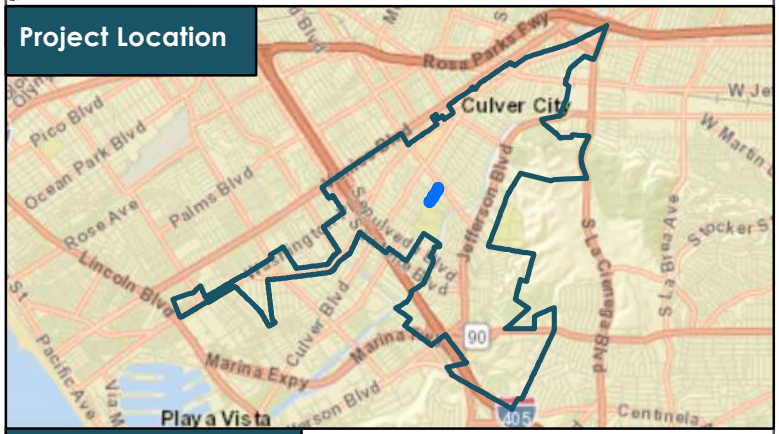
11/5/2020 JN \\Irvinca1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical



Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.04
Drainage Area (ac):		0.44
Depth to Groundwater (ft):		30
EWMP Equivalient Volume (ac-ft):		0.02
Cost Estimate:	$	21,424

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

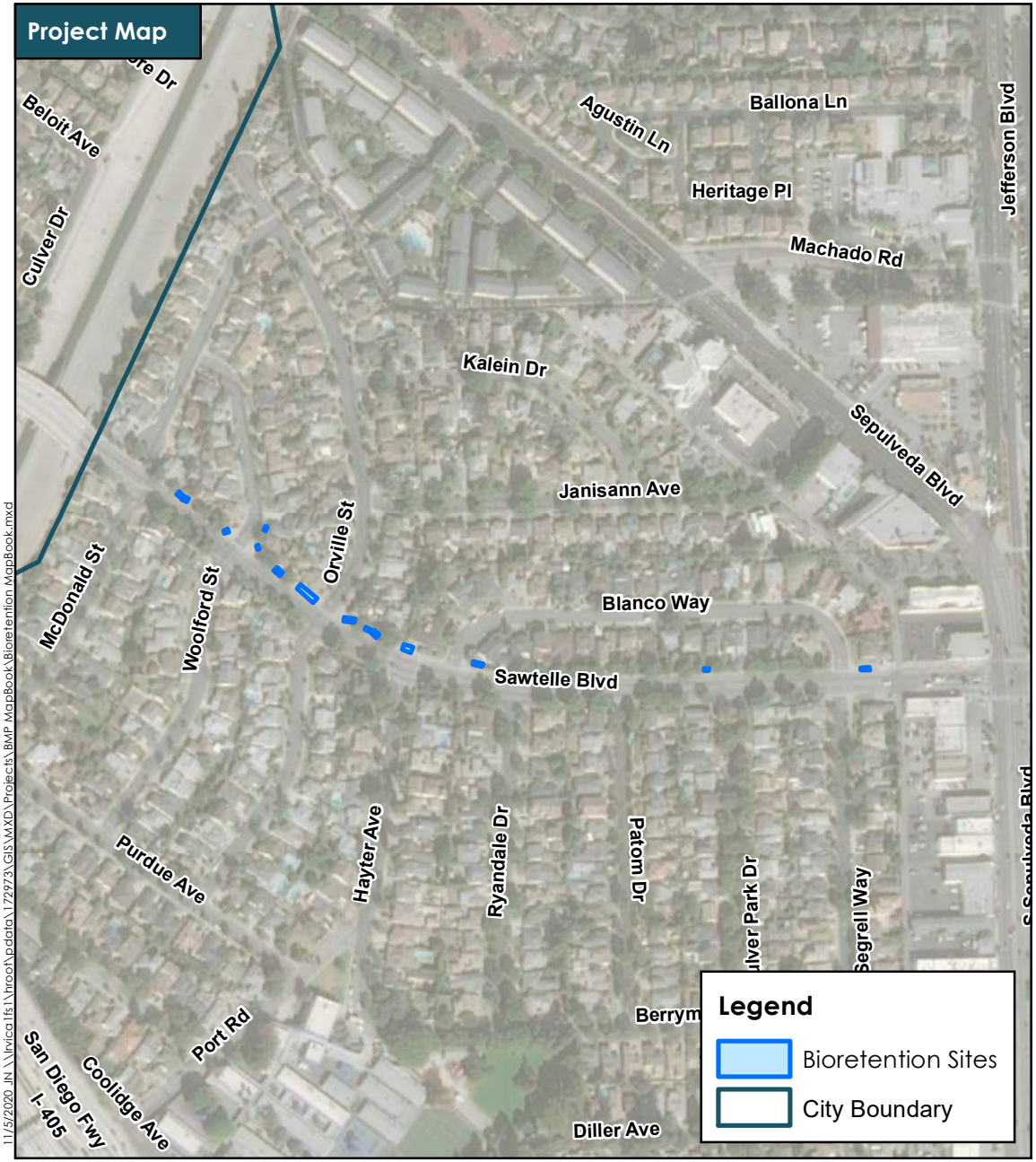
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR7

Project Map

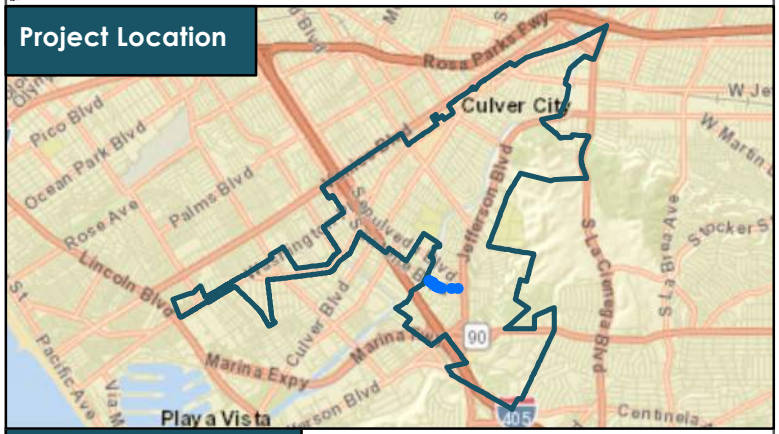


11/5/2020 JN \\Irvlca1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.07
Drainage Area (ac):		0.82
Depth to Groundwater (ft):		18
EWMP Equivalient Volume (ac-ft):		0.06
Cost Estimate:	$	40,046

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

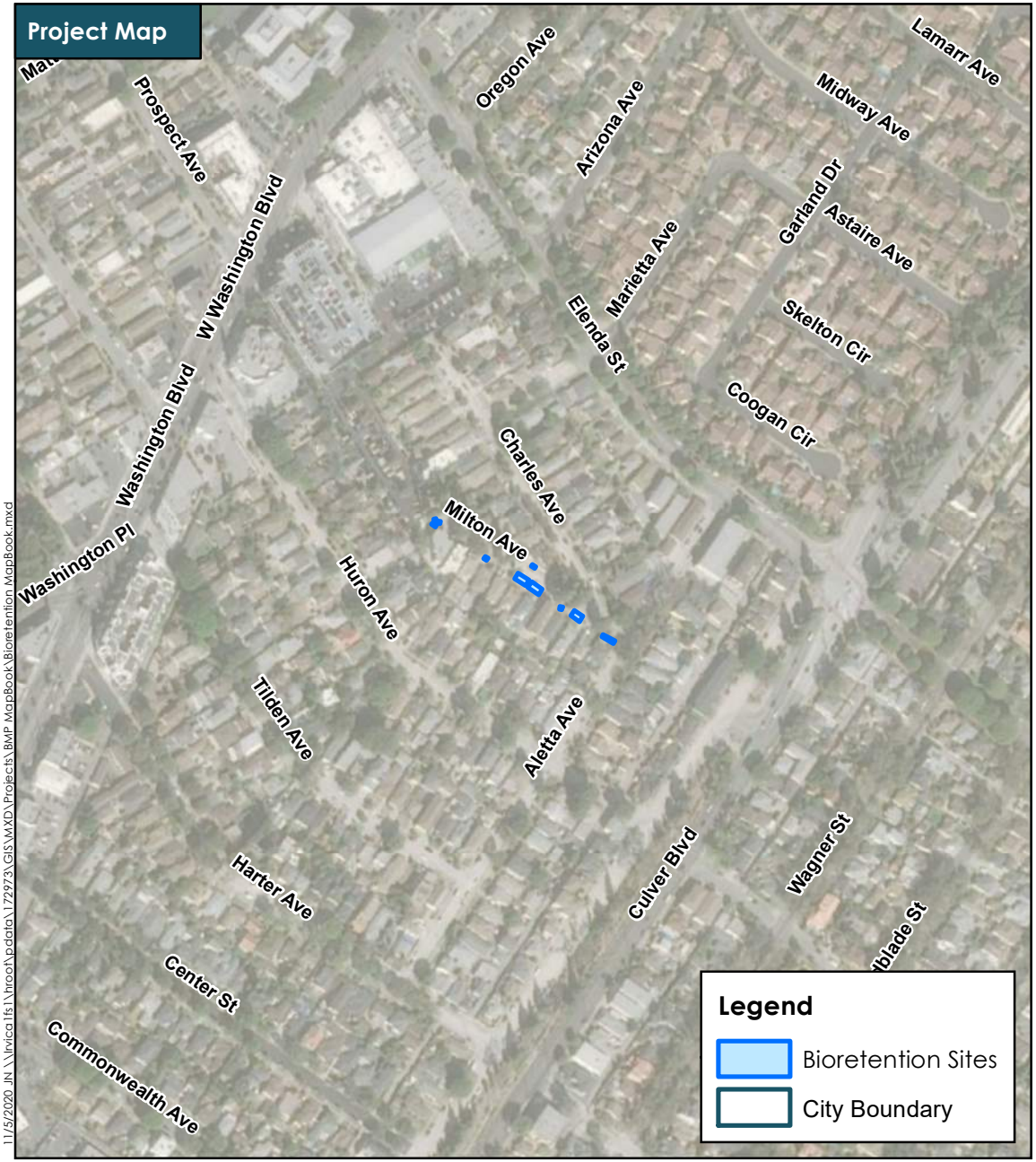
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

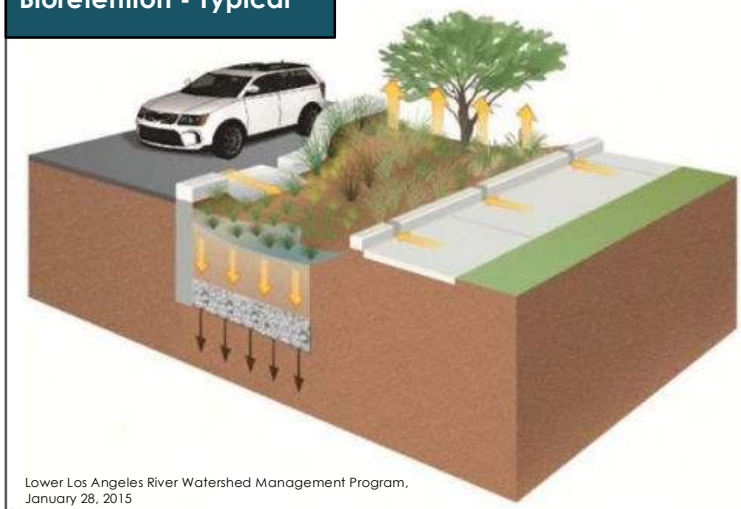
Bioretention Site: BR8

Project Map



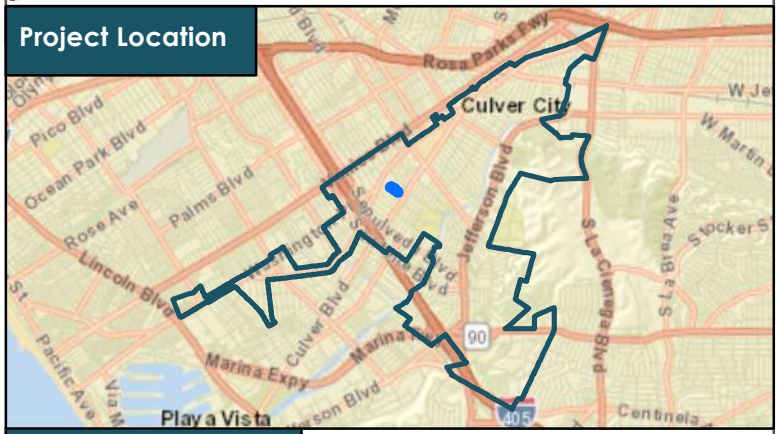
11/5/2020 JN \\Irvlcal1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical



Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.04
Drainage Area (ac):		0.51
Depth to Groundwater (ft):		19
EWMP Equivalient Volume (ac-ft):		0.02
Cost Estimate:	$	25,211

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

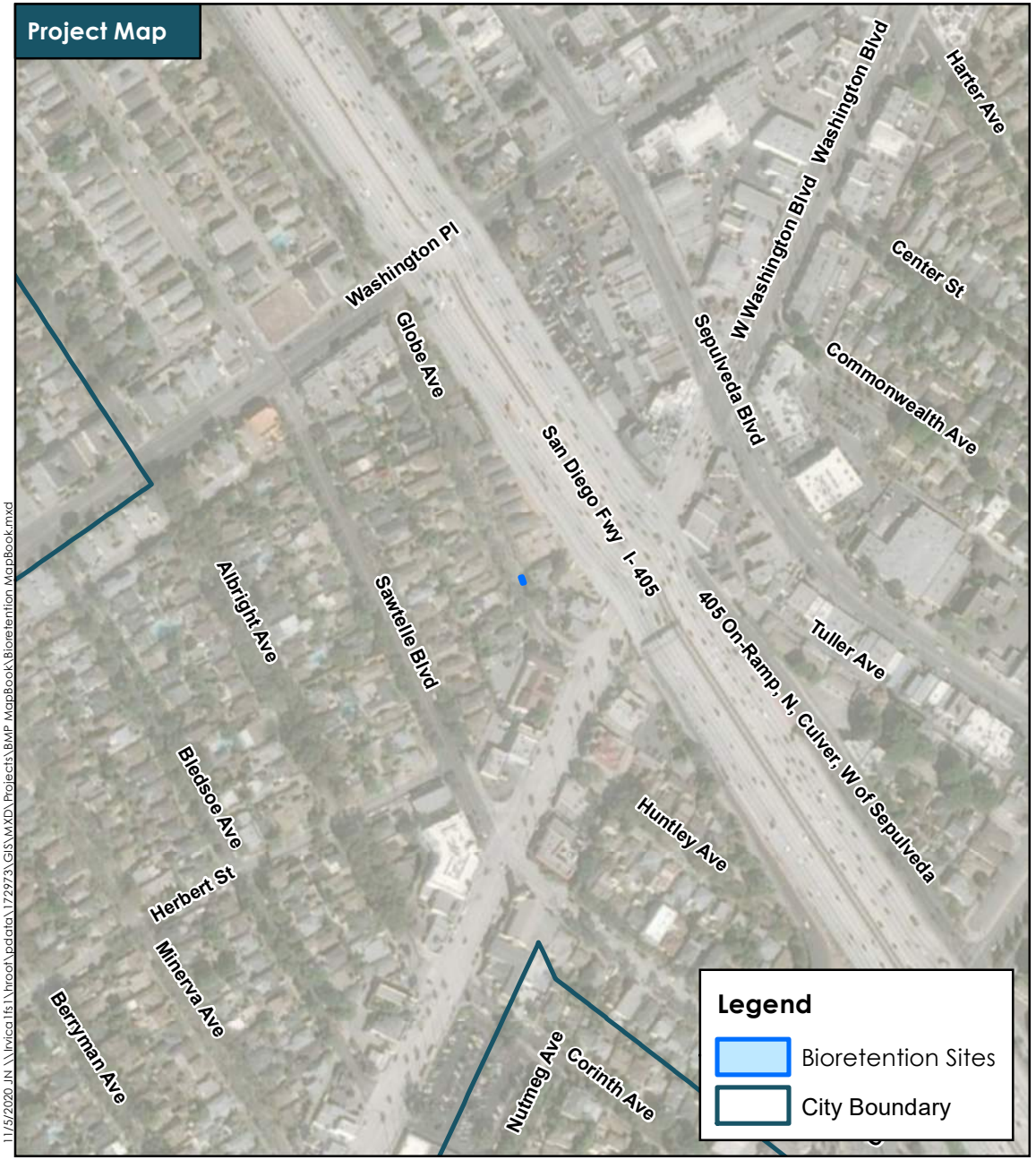
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR9

Project Map

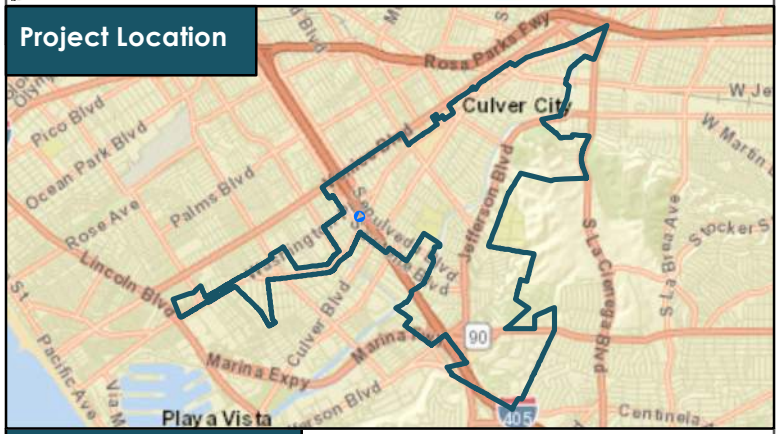


11/5/2020 JN \\Irvlca1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0
Drainage Area (ac):		0.02
Depth to Groundwater (ft):		29
EWMP Equivalient Volume (ac-ft):		0
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

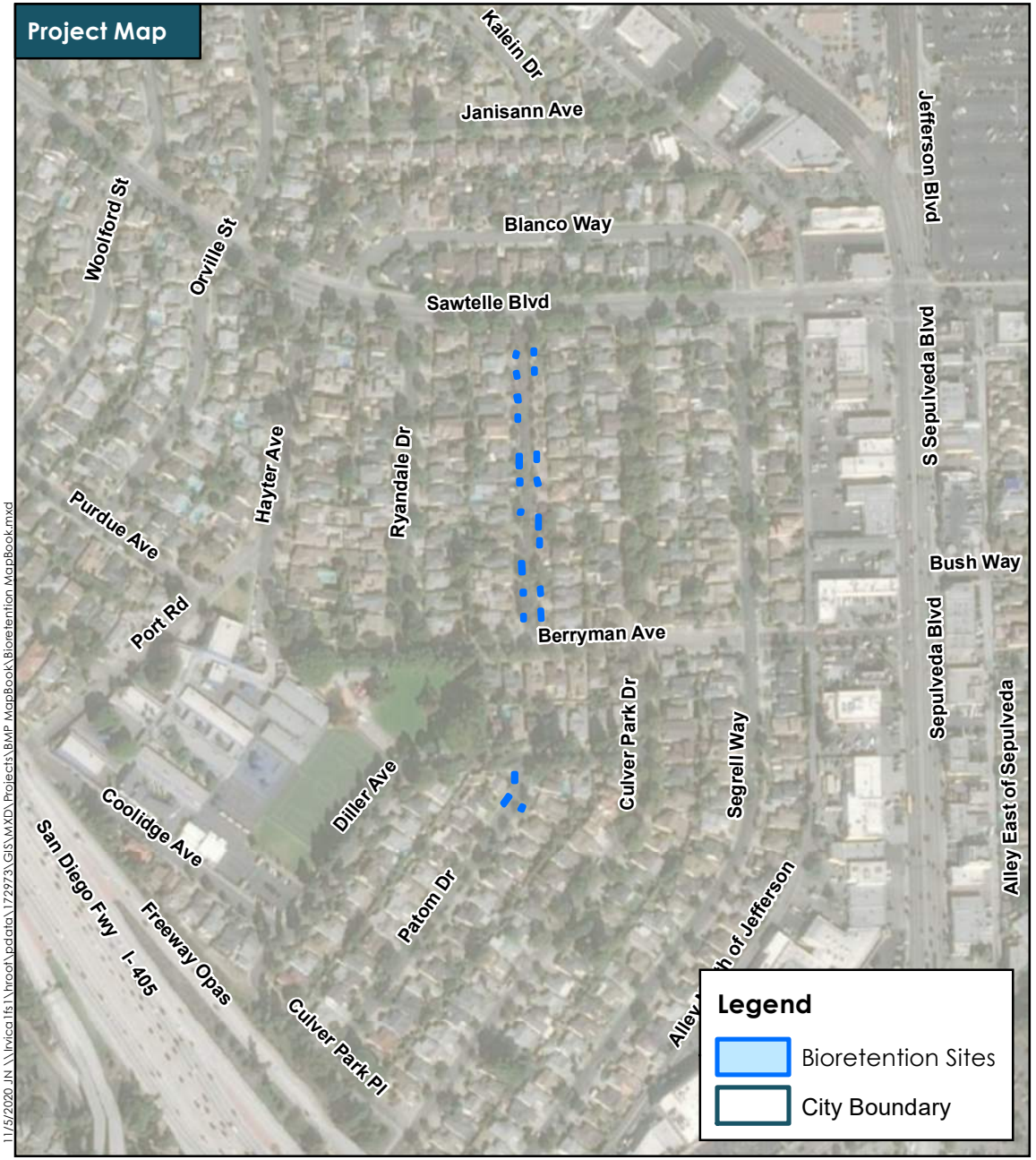
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR10

Project Map



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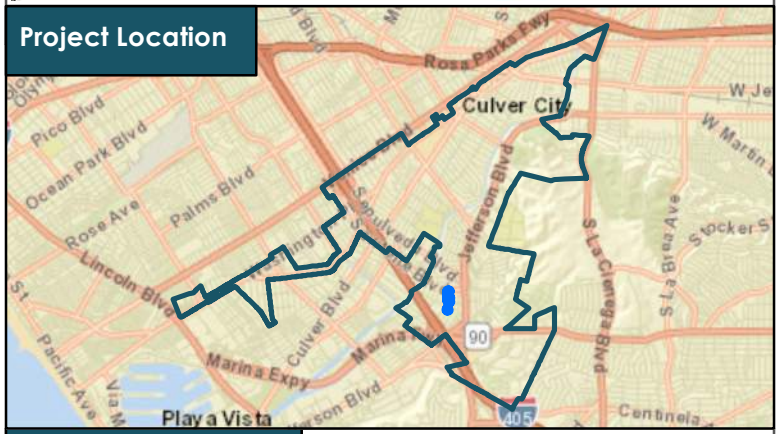
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.04
Drainage Area (ac):		0.47
Depth to Groundwater (ft):		18
EWMP Equivalient Volume (ac-ft):		0.03
Cost Estimate:	$	23,121

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

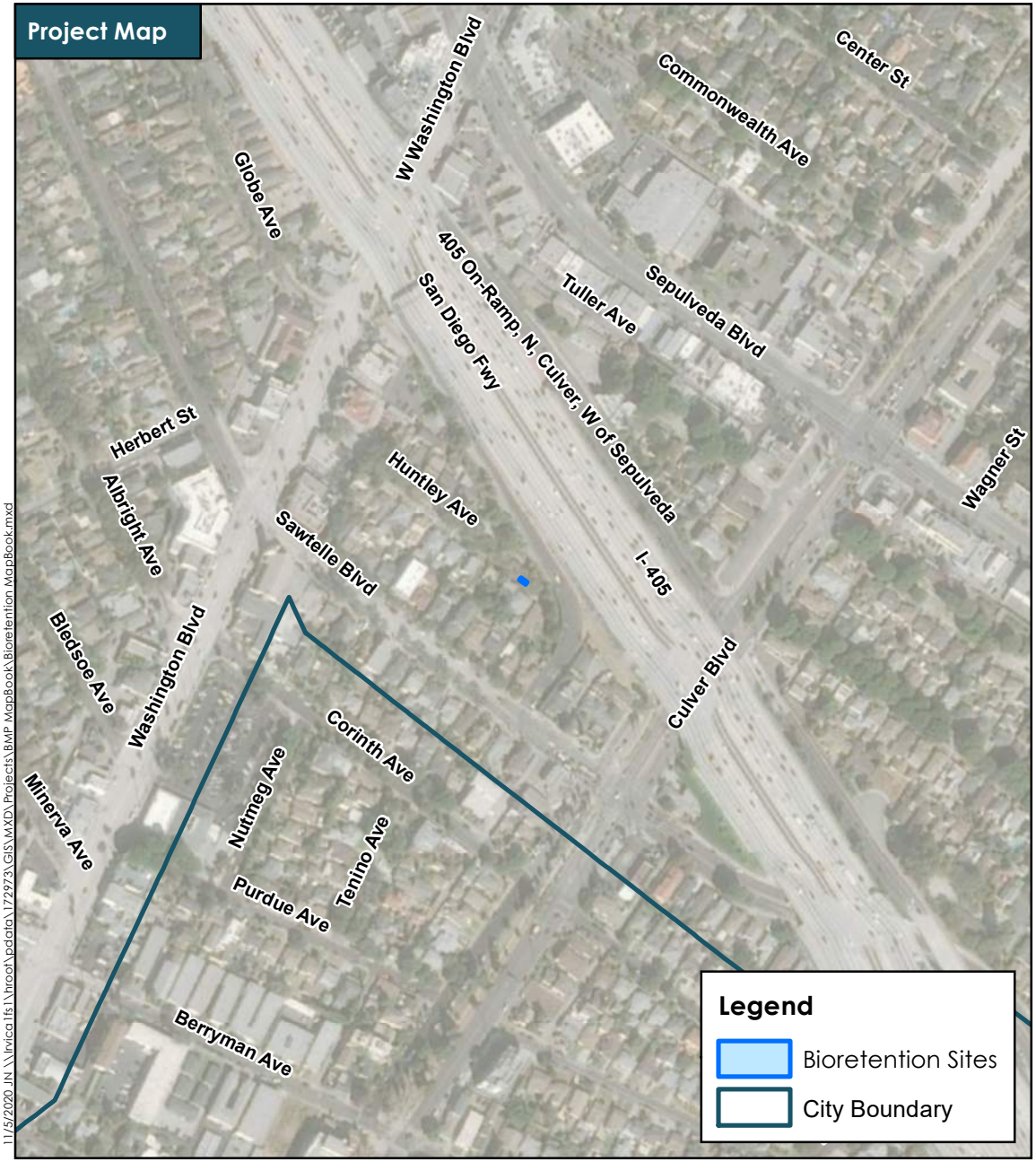
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR11

Project Map



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Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location

Project Information

Storage Capcity (ac-ft):		0
Drainage Area (ac):		0.03
Depth to Groundwater (ft):		25
EWMP Equivalient Volume (ac-ft):		0
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

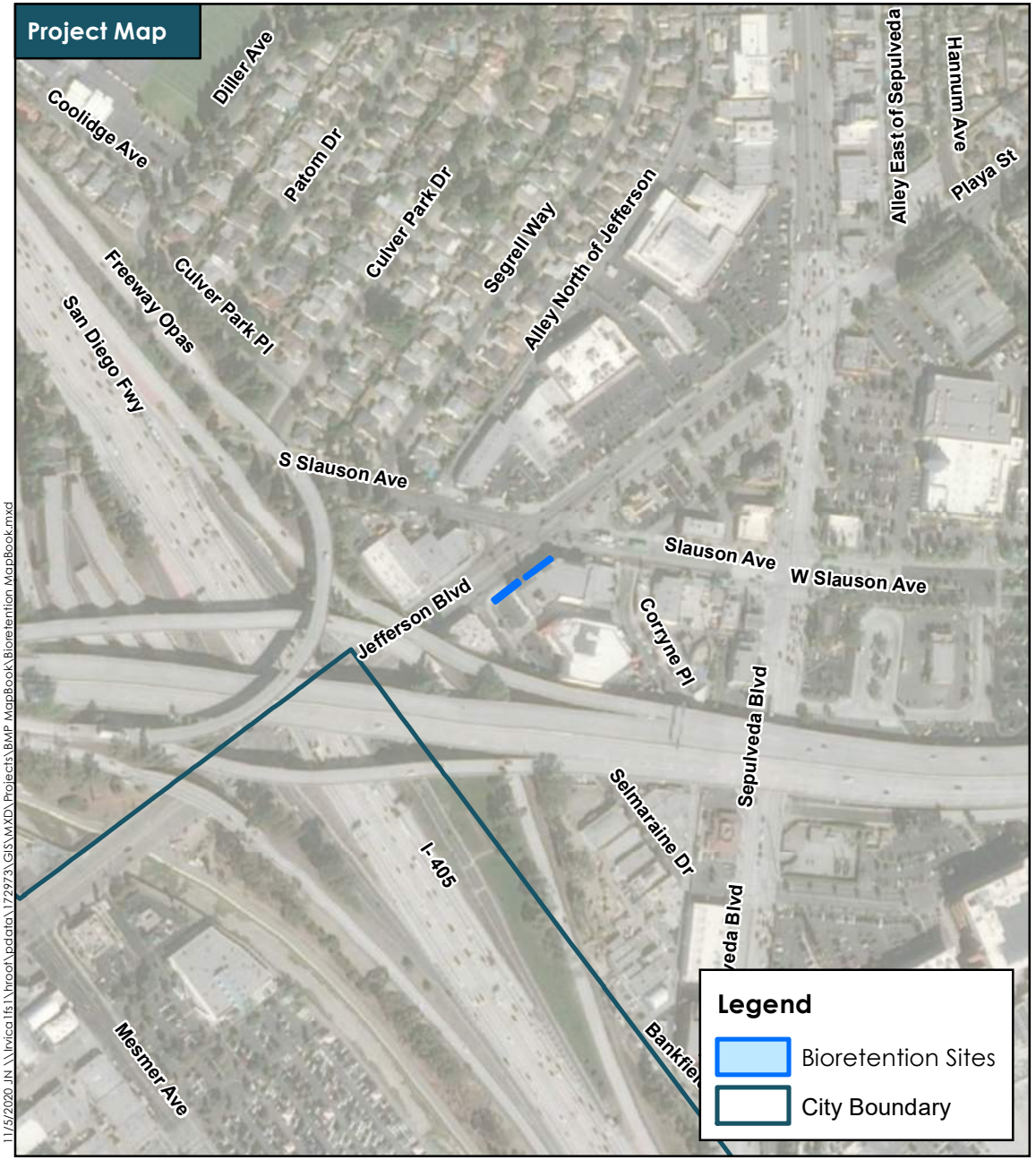
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR12

Project Map



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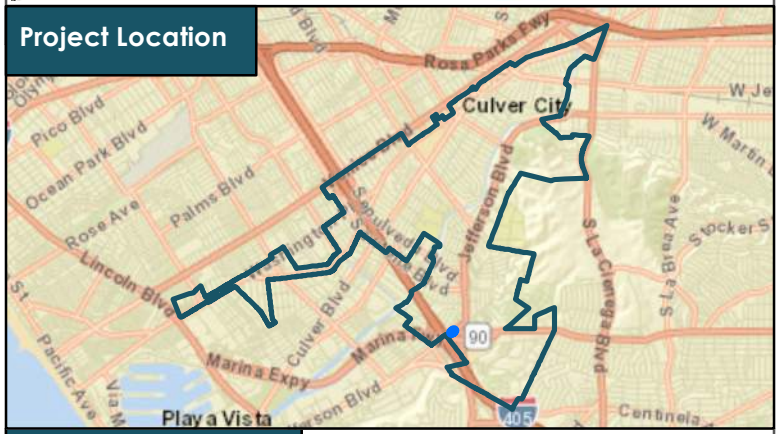
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.03
Drainage Area (ac):		0.38
Depth to Groundwater (ft):		14
EWMP Equivalient Volume (ac-ft):		0.03
Cost Estimate:	$	18,754

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

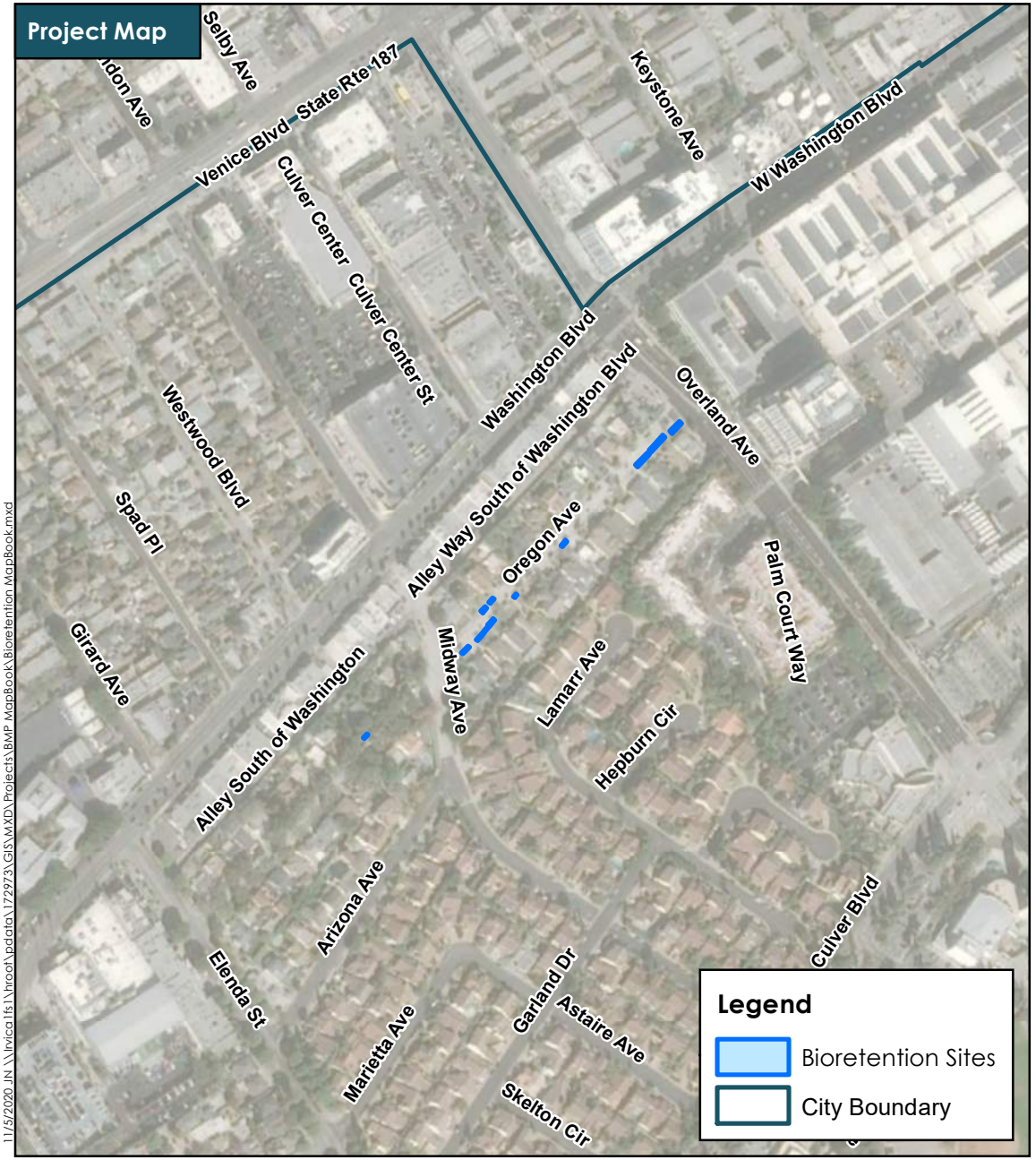
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR13

Project Map



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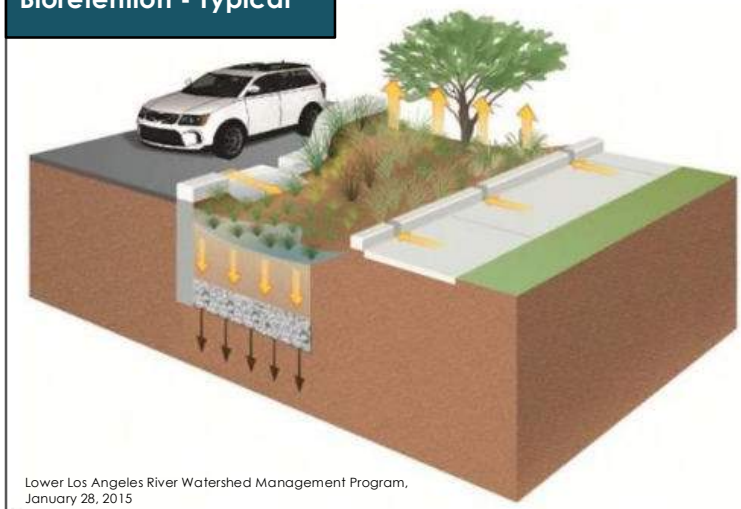
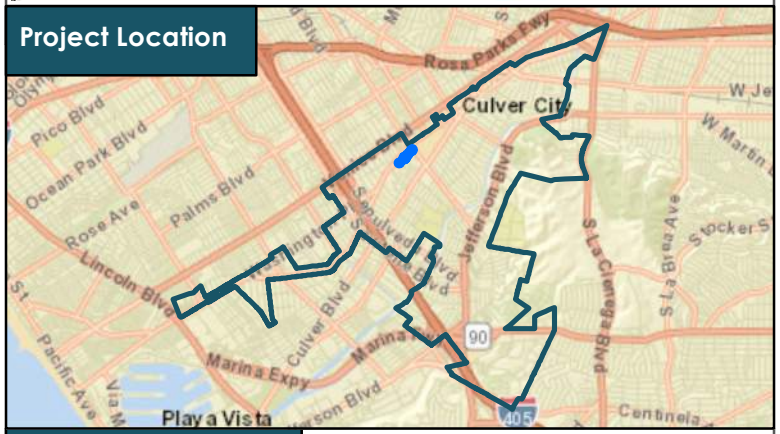
Bioretention - Typical



Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.12
Drainage Area (ac):		1.51
Depth to Groundwater (ft):		31
EWMP Equivalient Volume (ac-ft):		0.07
Cost Estimate:	$	74,012

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

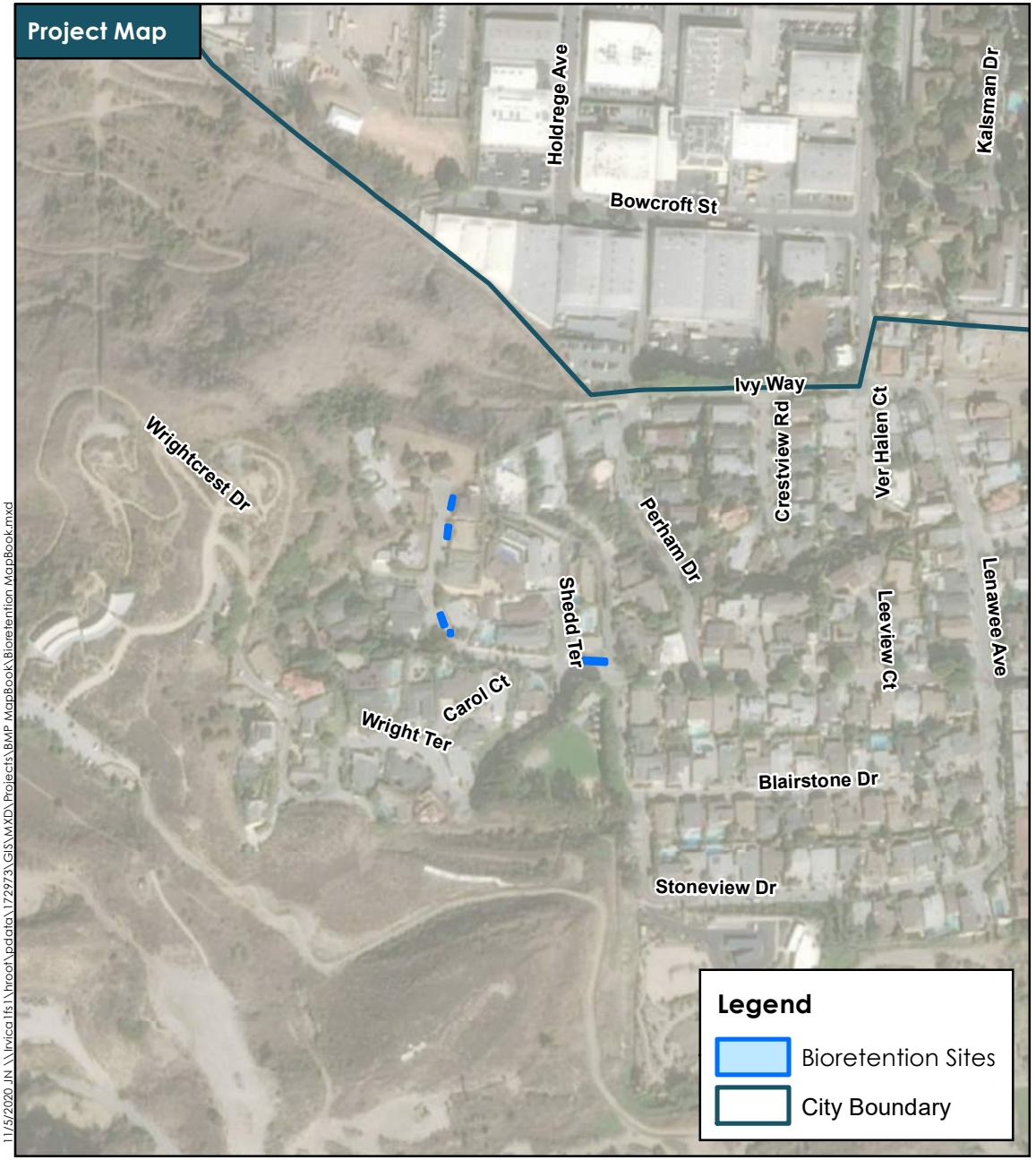
Source: City of Culver City

0 200 400 Feet

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR14

Project Map



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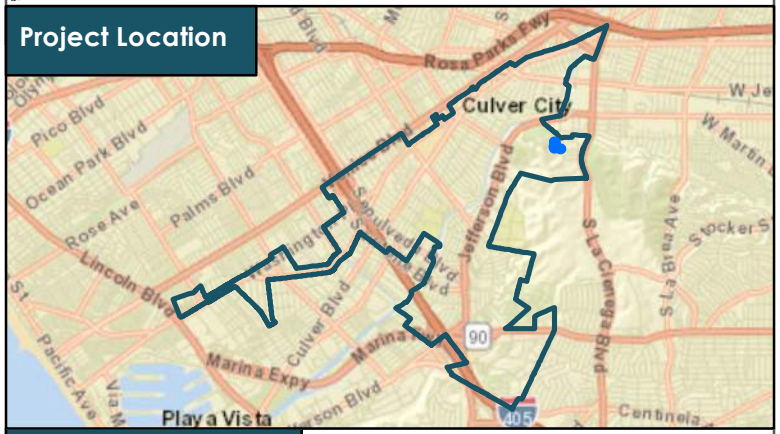
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.04
Drainage Area (ac):		0.47
Depth to Groundwater (ft):		176
EWMP Equivalient Volume (ac-ft):		0.04
Cost Estimate:	$	22,841

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

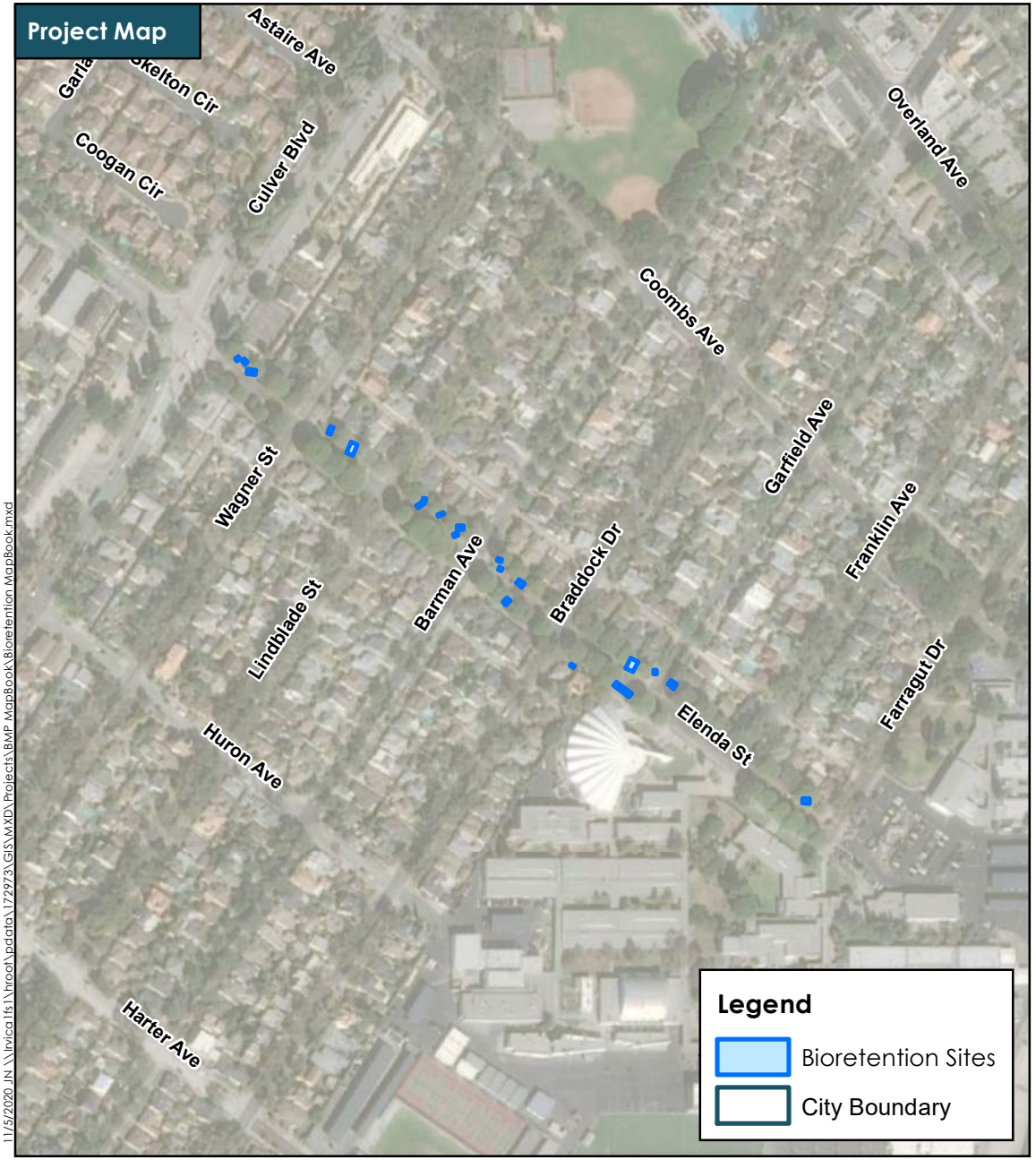
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR15

Project Map



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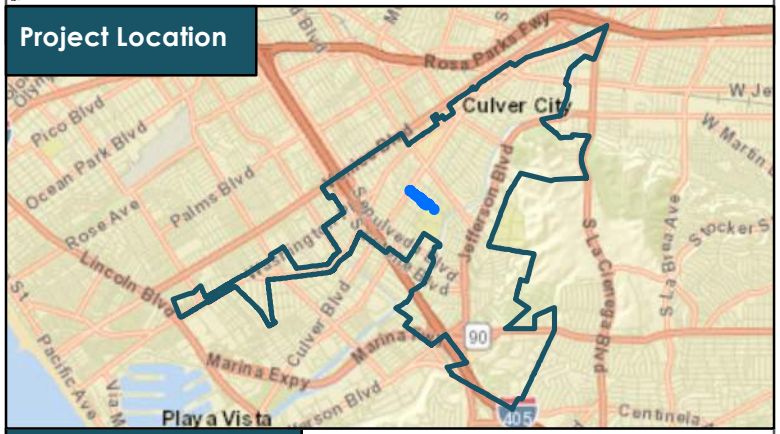
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.08
Drainage Area (ac):		1.01
Depth to Groundwater (ft):		29
EWMP Equivalient Volume (ac-ft):		0.05
Cost Estimate:	$	49,322

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

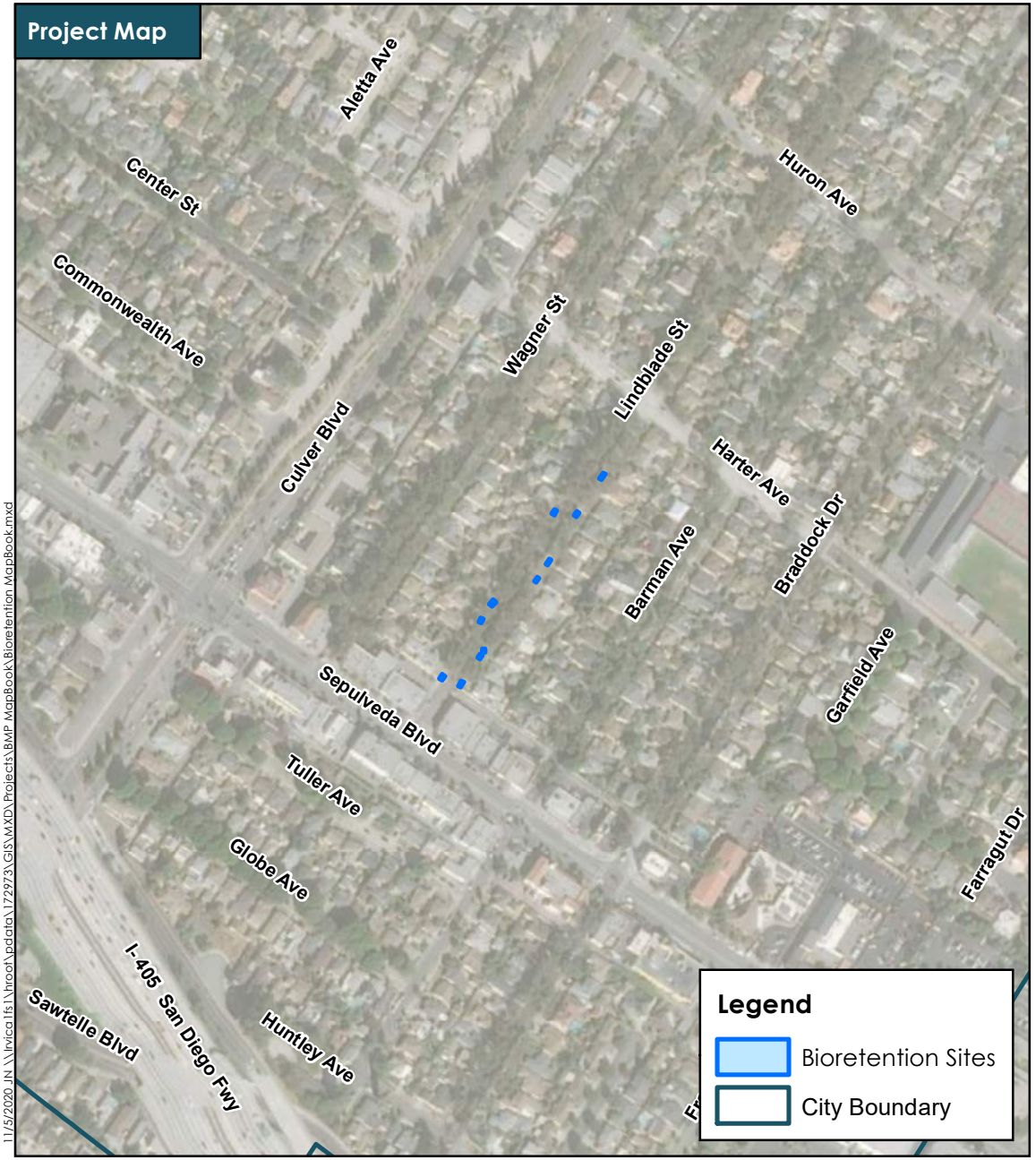
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR16

Project Map



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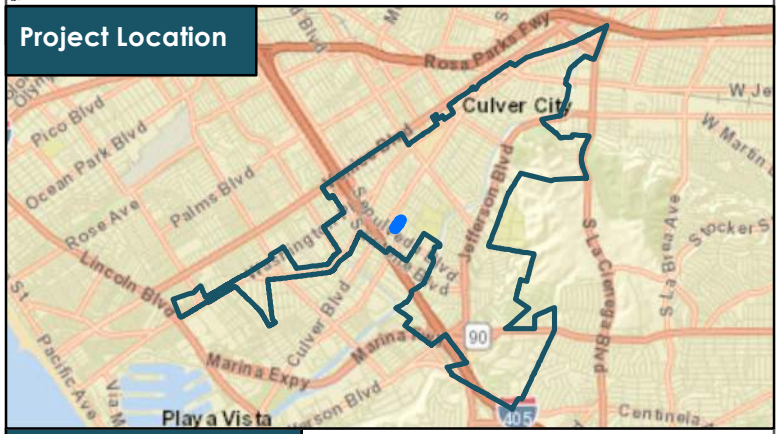
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.02
Drainage Area (ac):		0.23
Depth to Groundwater (ft):		21
EWMP Equivalient Volume (ac-ft):		0.01
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

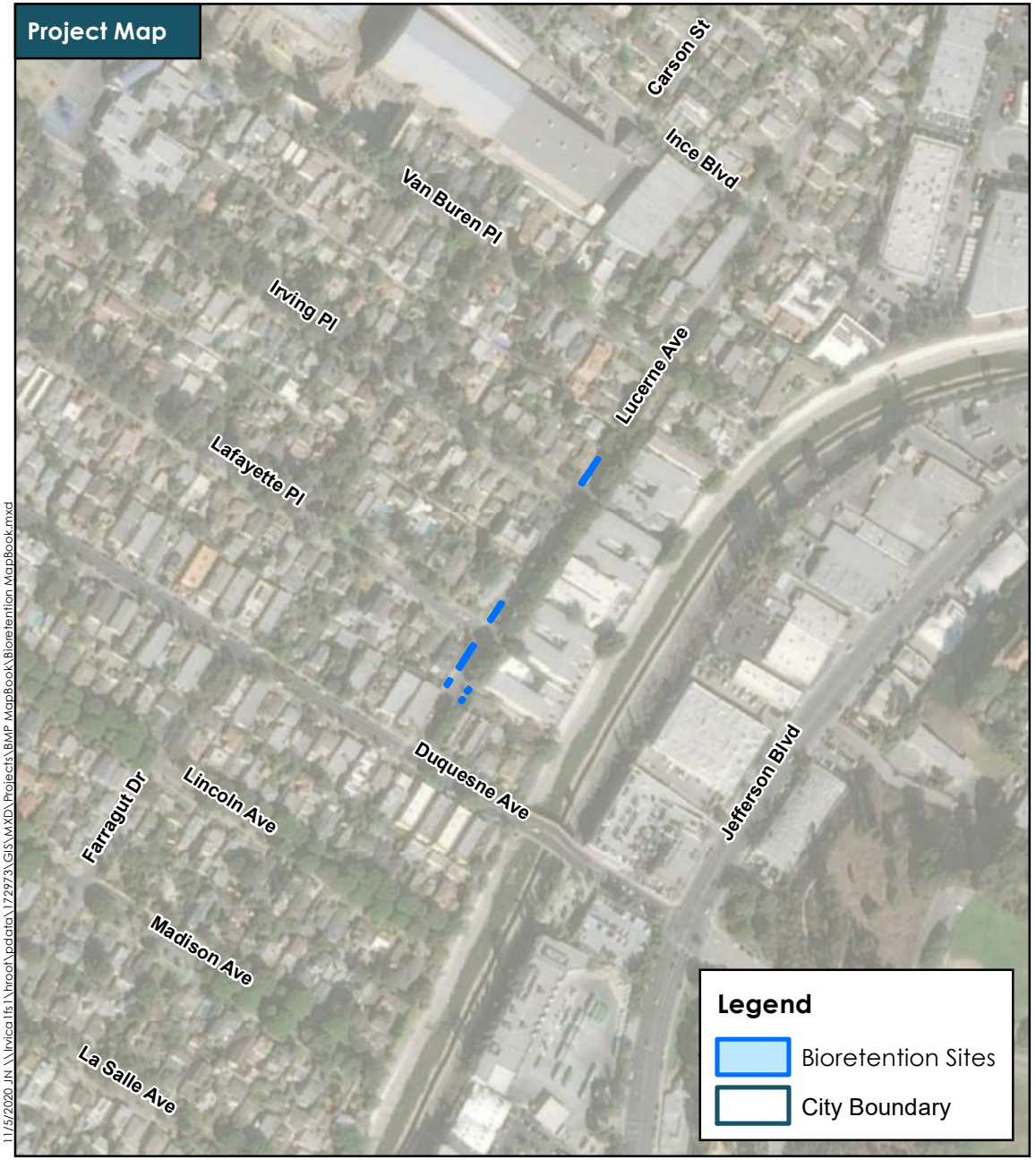
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR17

Project Map



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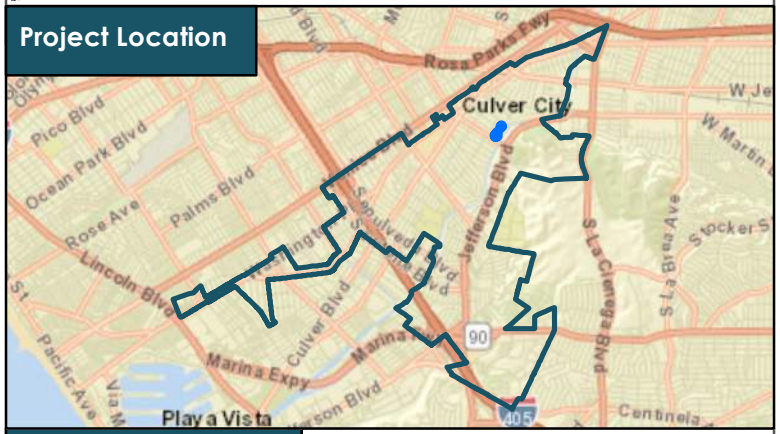
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.03
Drainage Area (ac):		0.34
Depth to Groundwater (ft):		32
EWMP Equivalient Volume (ac-ft):		0.02
Cost Estimate:	$	16,492

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

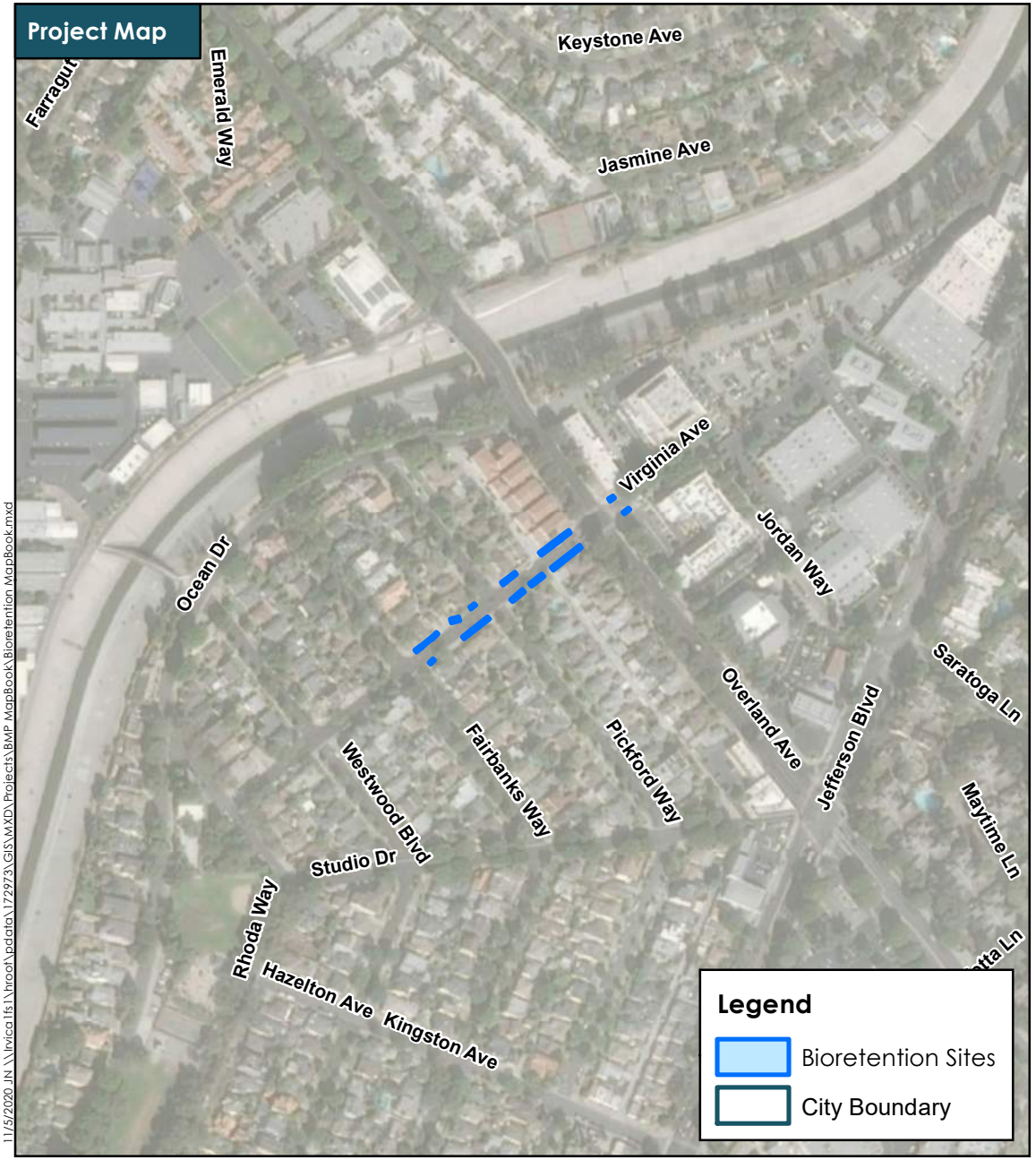
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR18

Project Map



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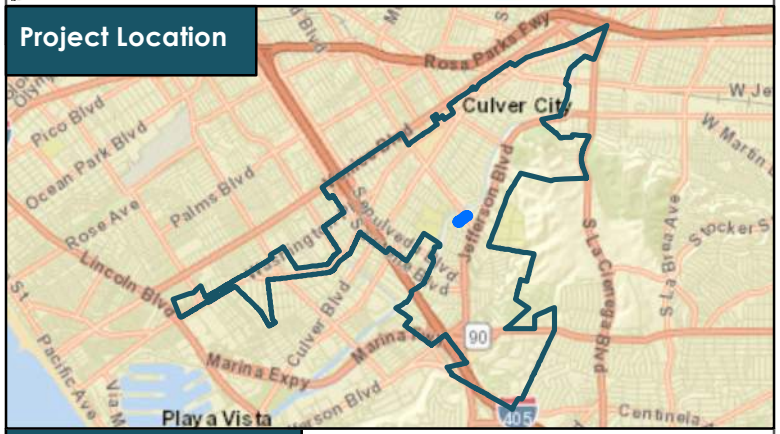
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.12
Drainage Area (ac):		1.42
Depth to Groundwater (ft):		34
EWMP Equivalient Volume (ac-ft):		0.1
Cost Estimate:	$	69,726

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

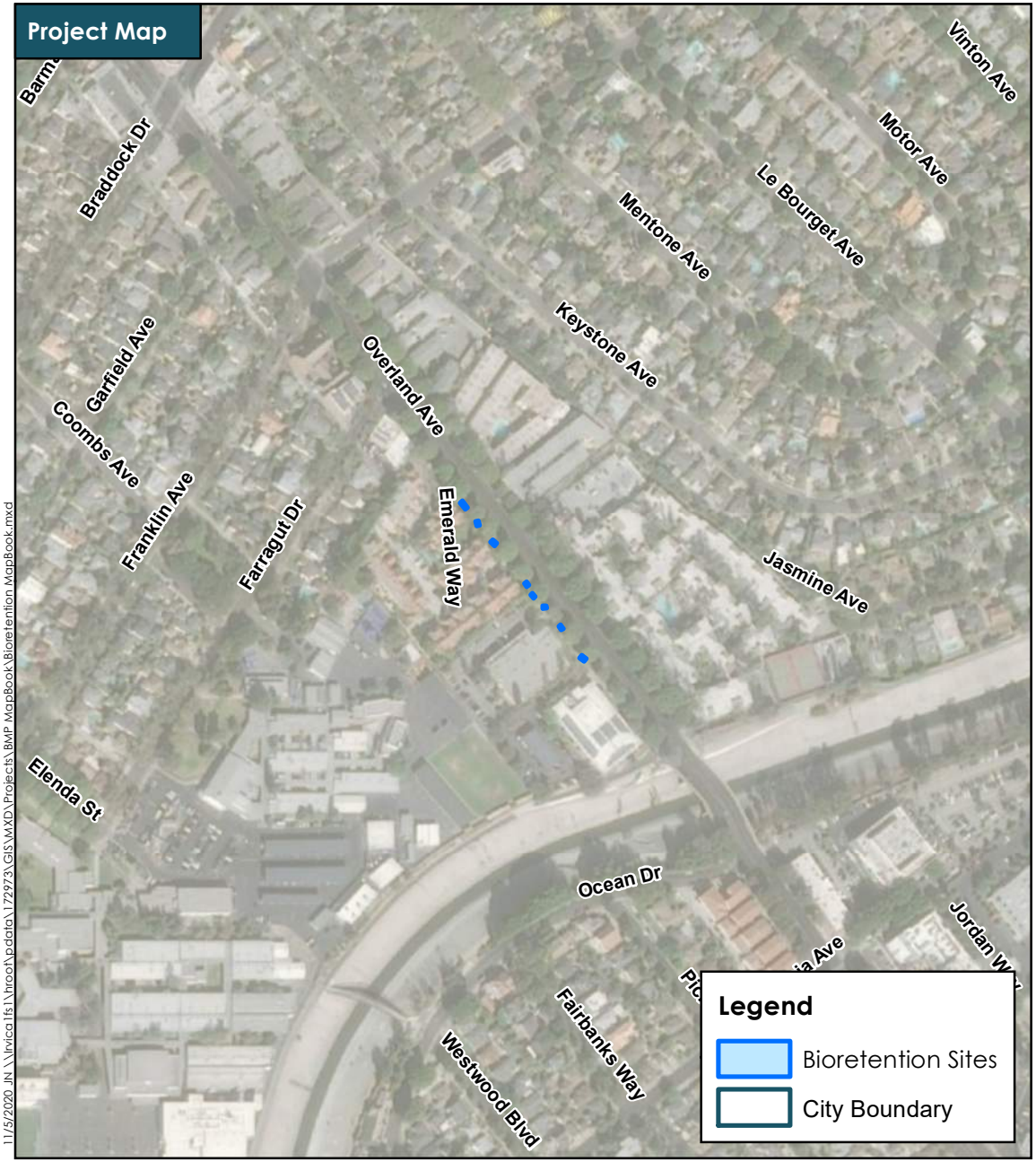
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR19

Project Map



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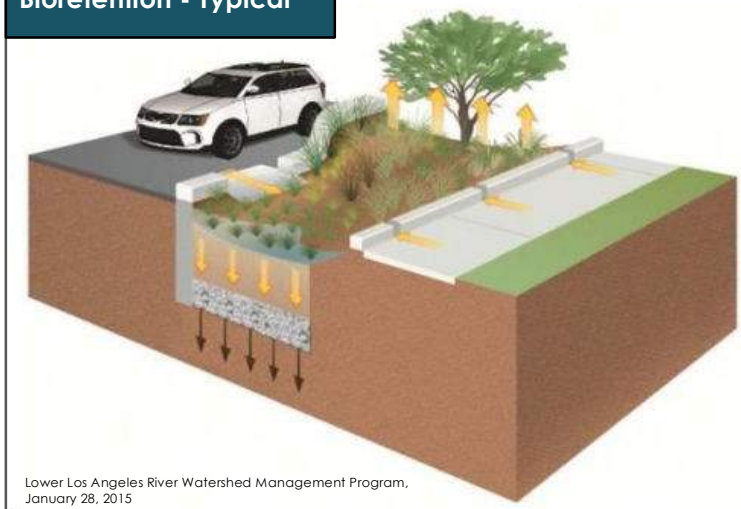
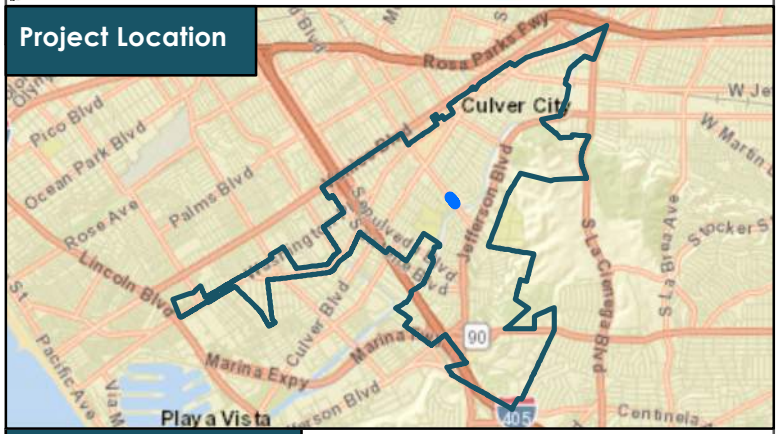
Bioretention - Typical



Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.01
Drainage Area (ac):		0.17
Depth to Groundwater (ft):		34
EWMP Equivalient Volume (ac-ft):		0.01
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

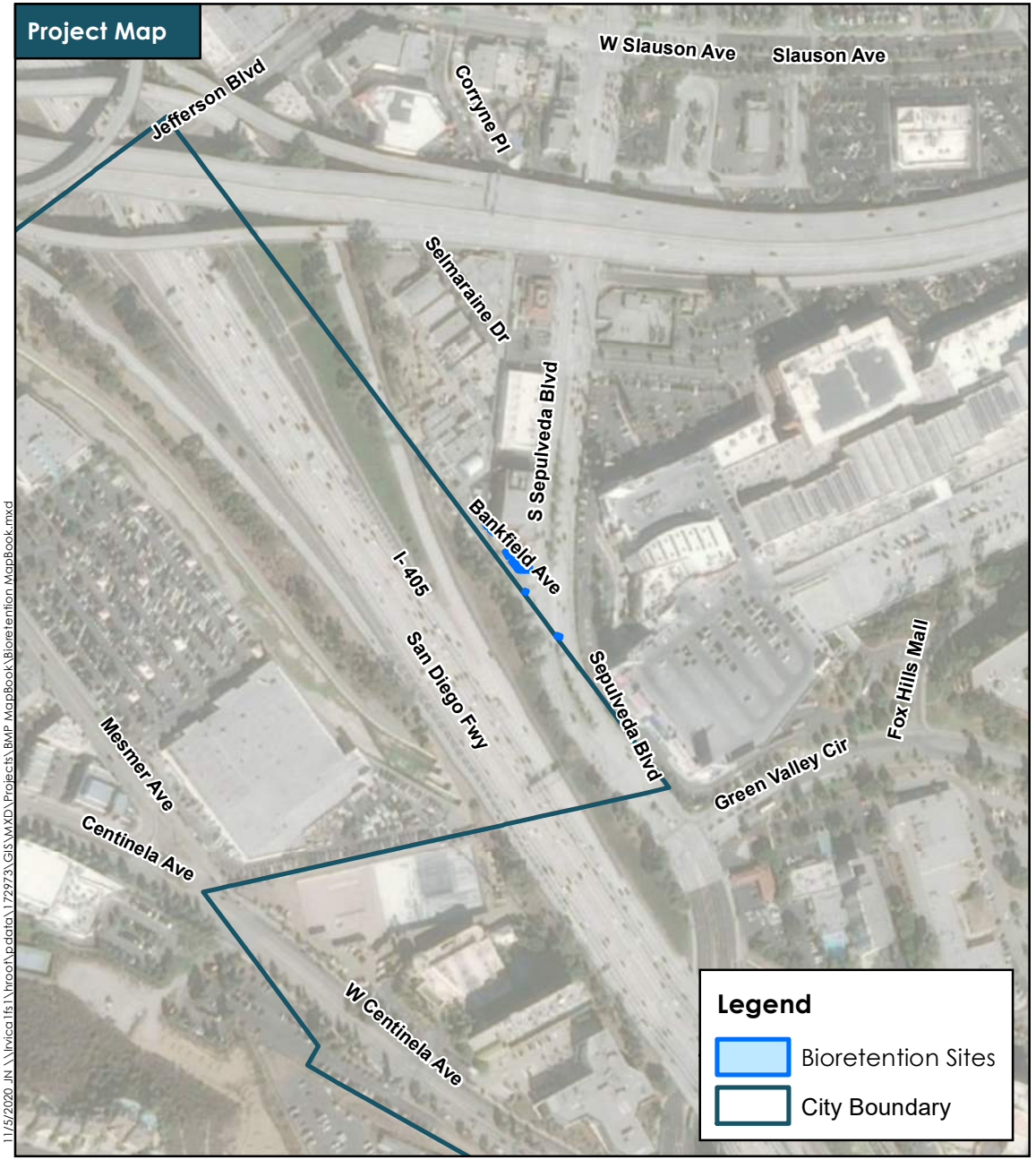
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR20

Project Map



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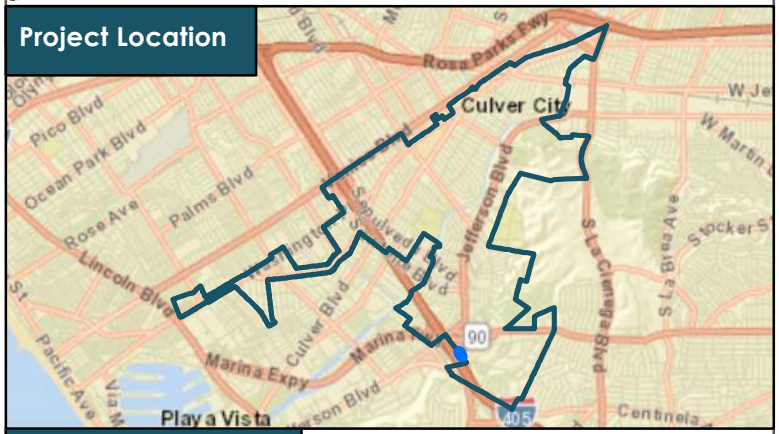
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.03
Drainage Area (ac):		0.41
Depth to Groundwater (ft):		19
EWMP Equivalient Volume (ac-ft):		0.03
Cost Estimate:	$	19,874

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

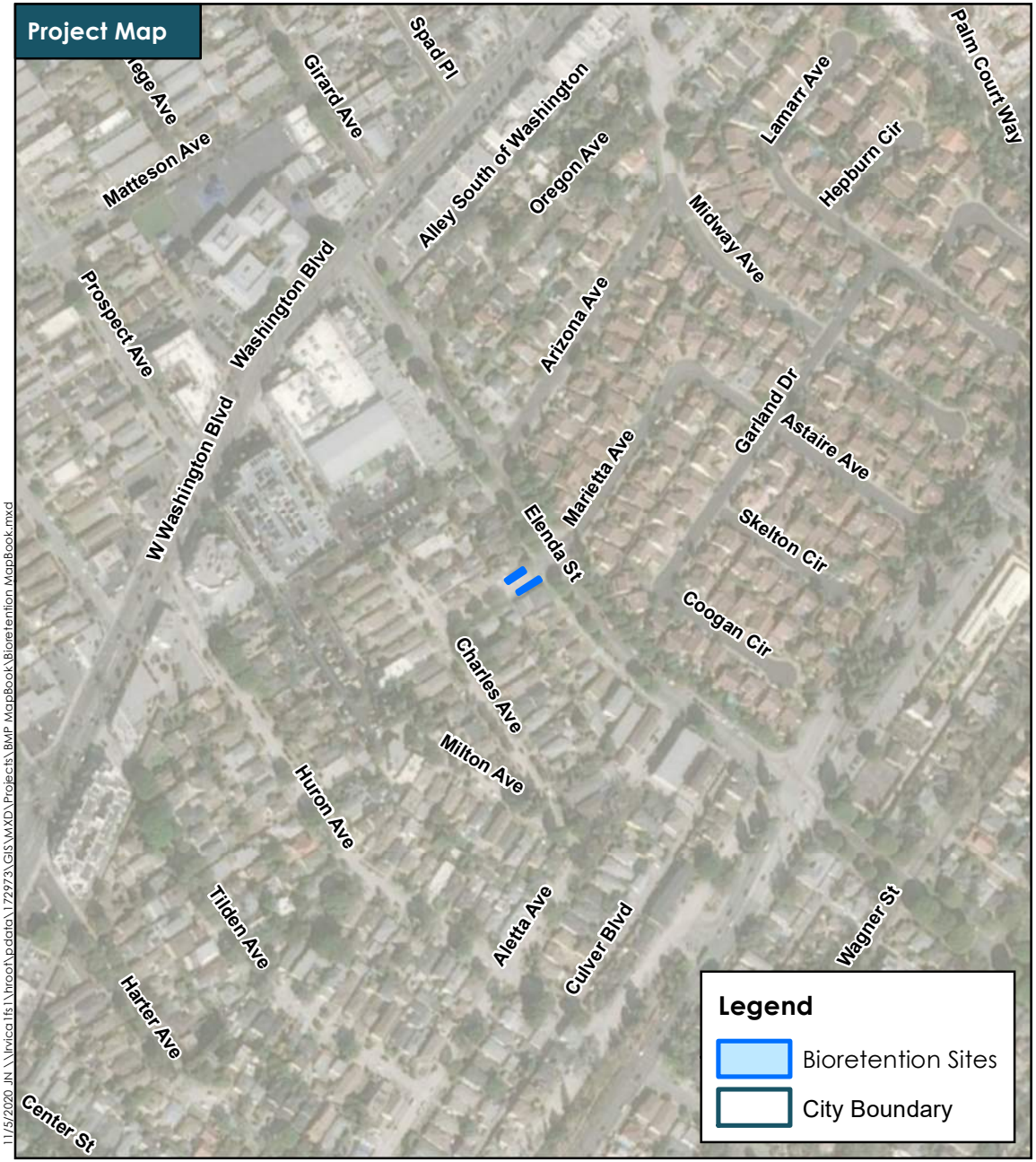
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR21

Project Map



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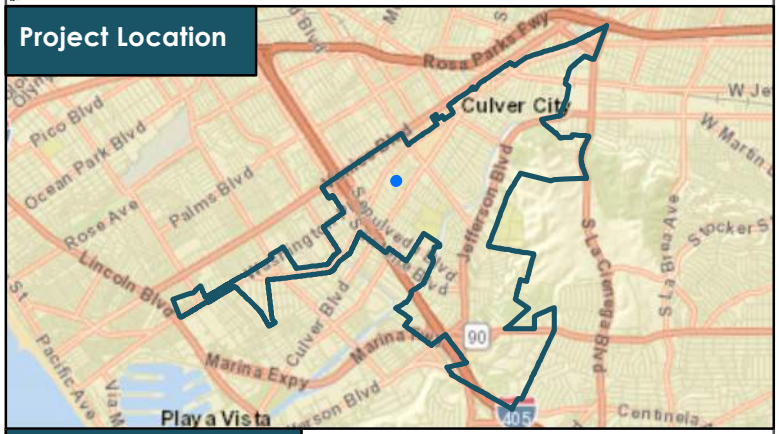
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.04
Drainage Area (ac):		0.54
Depth to Groundwater (ft):		19
EWMP Equivalient Volume (ac-ft):		0.02
Cost Estimate:	$	26,657

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

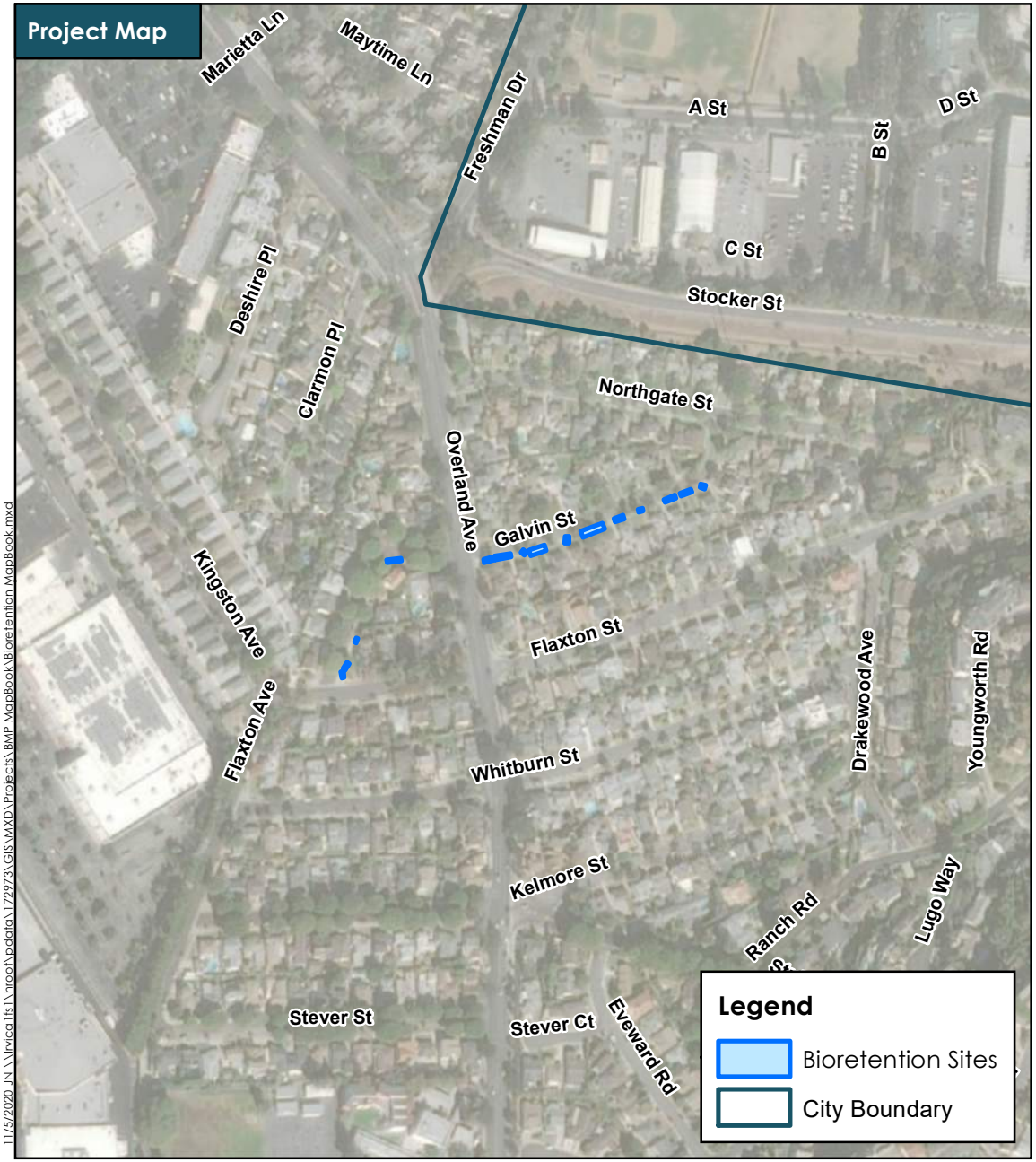
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR22

Project Map



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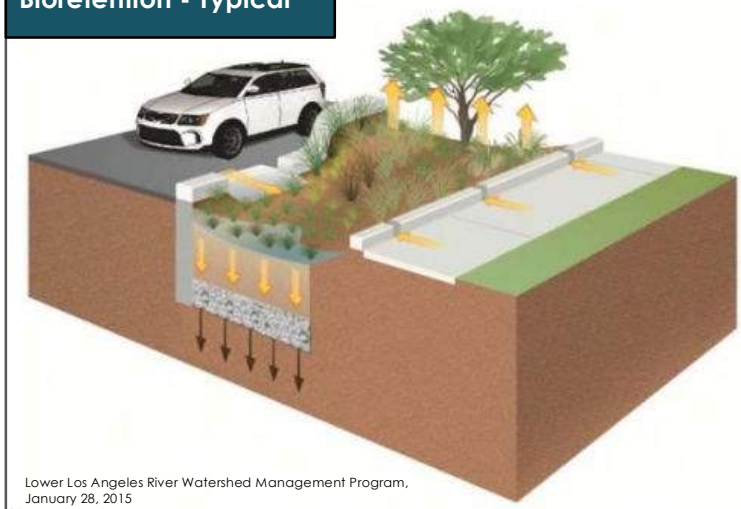
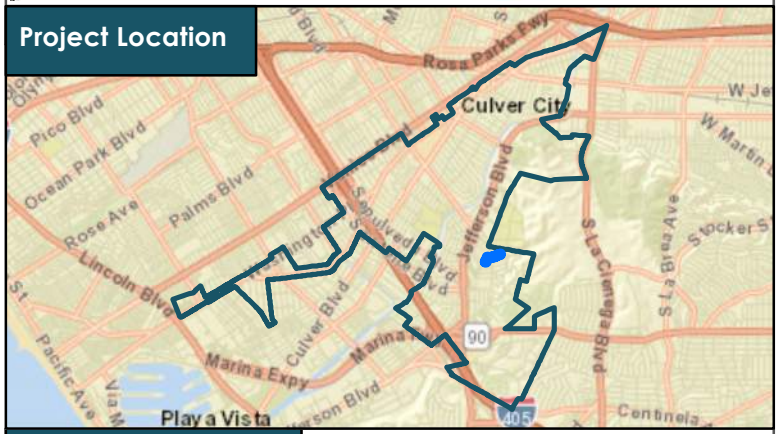
Bioretention - Typical



Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.11
Drainage Area (ac):		1.34
Depth to Groundwater (ft):		55
EWMP Equivalient Volume (ac-ft):		0.1
Cost Estimate:	$	65,719

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

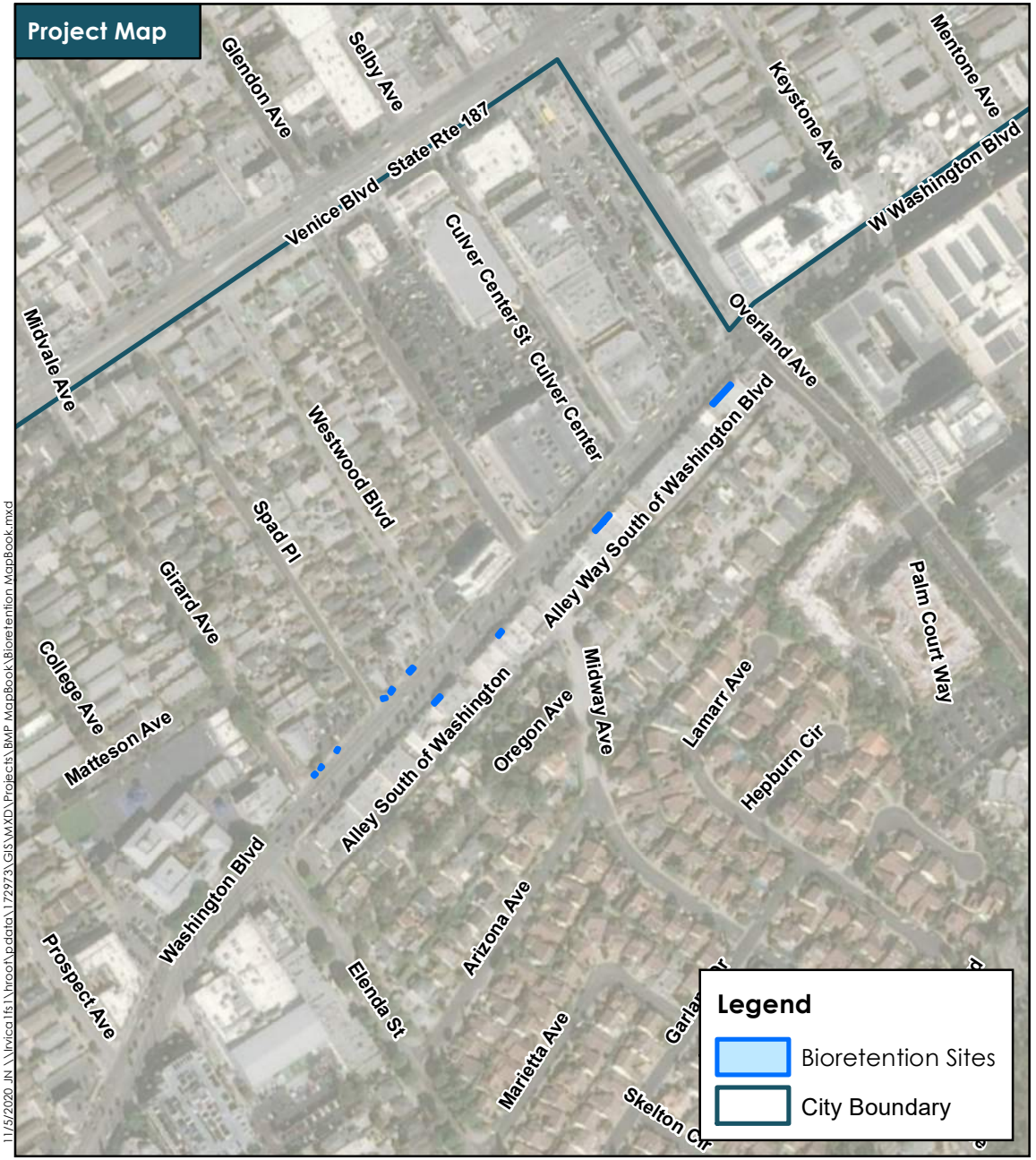
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR23

Project Map



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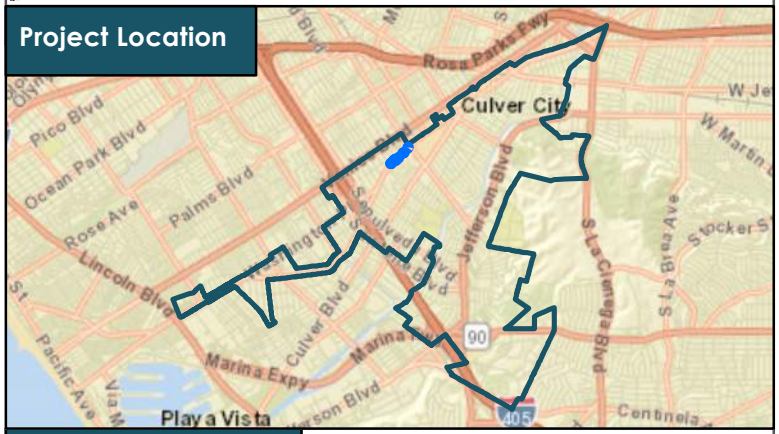
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.02
Drainage Area (ac):		0.29
Depth to Groundwater (ft):		38
EWMP Equivalient Volume (ac-ft):		0.01
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

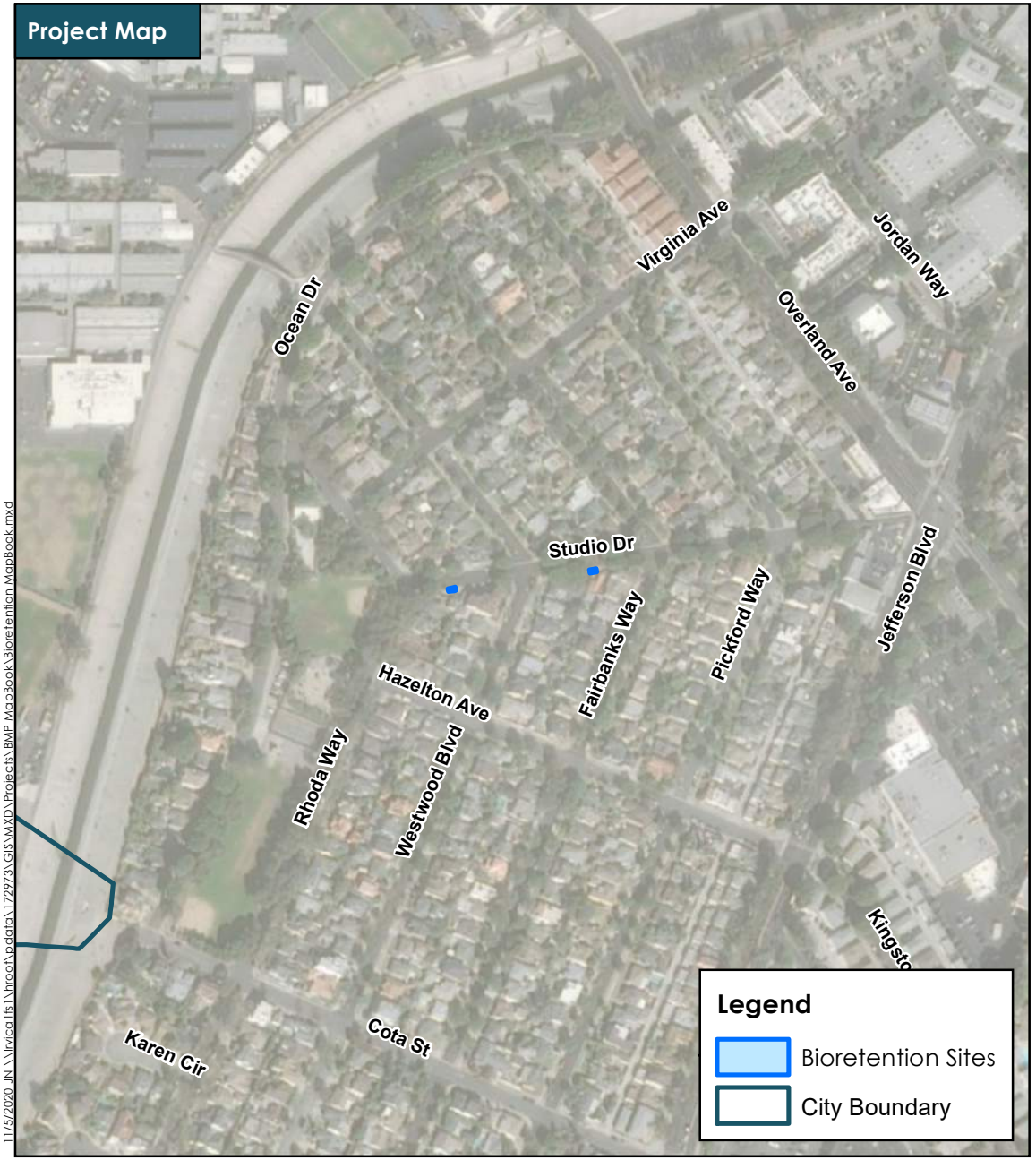
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR24

Project Map



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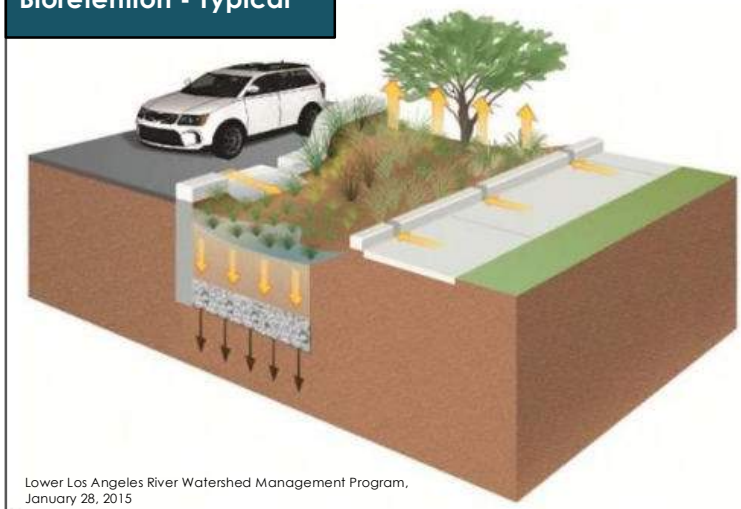
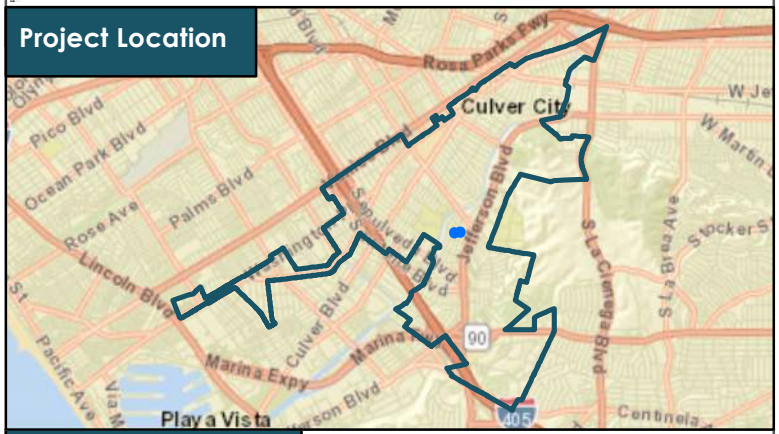
Bioretention - Typical



Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.01
Drainage Area (ac):		0.18
Depth to Groundwater (ft):		28
EWMP Equivalient Volume (ac-ft):		0.01
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

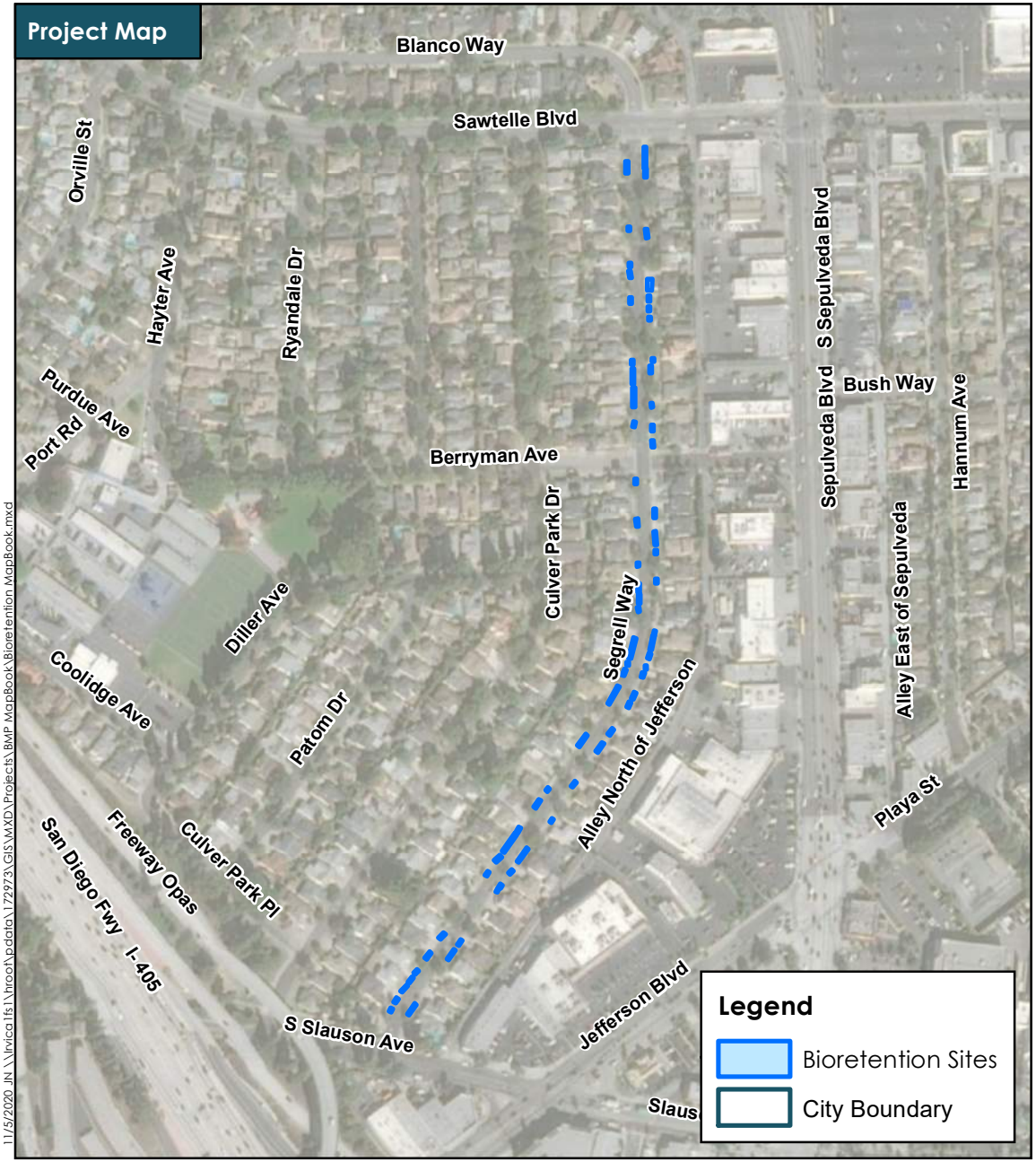
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR25

Project Map



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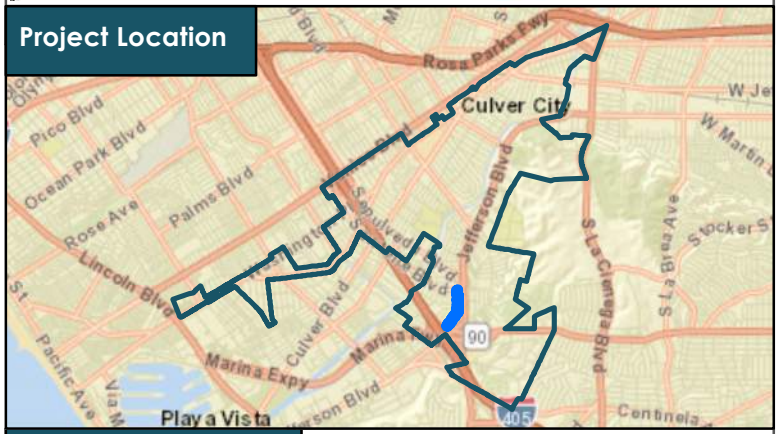
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.15
Drainage Area (ac):		1.8
Depth to Groundwater (ft):		15
EWMP Equivalient Volume (ac-ft):		0.13
Cost Estimate:	$	88,085

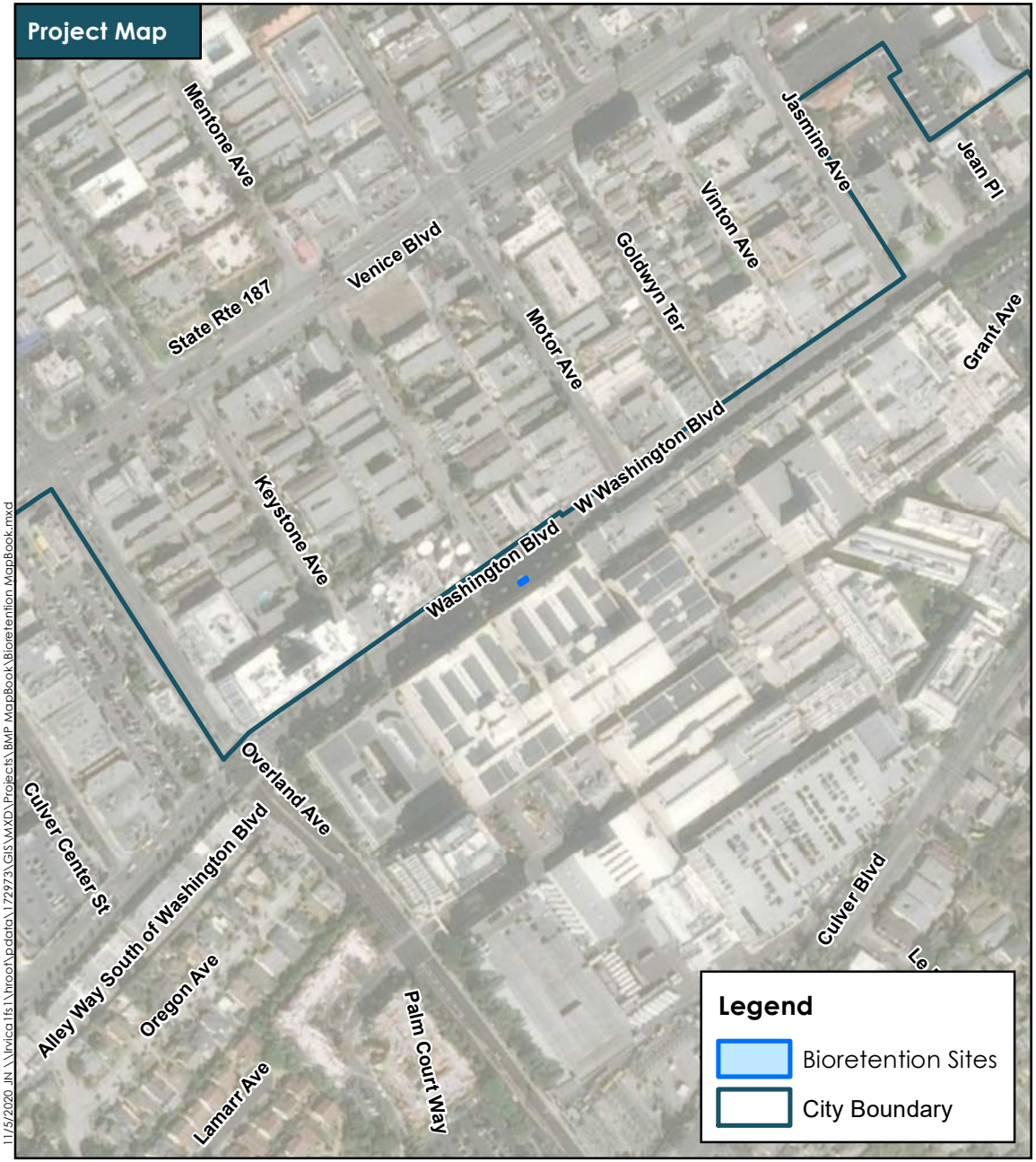
*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR26

Project Map



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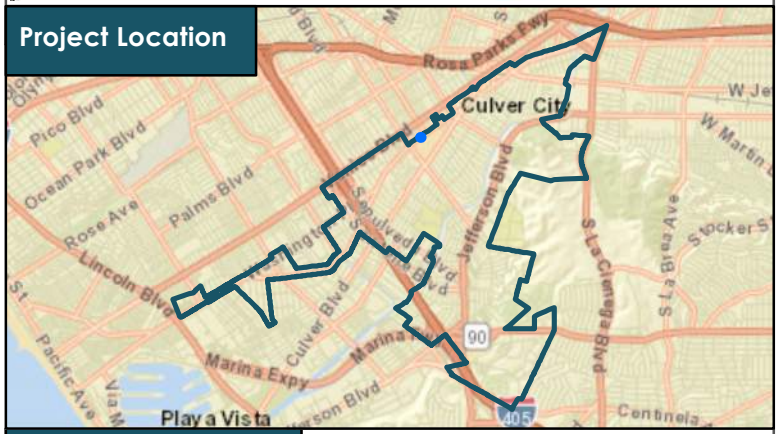
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0
Drainage Area (ac):		0.03
Depth to Groundwater (ft):		47
EWMP Equivalient Volume (ac-ft):		0
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

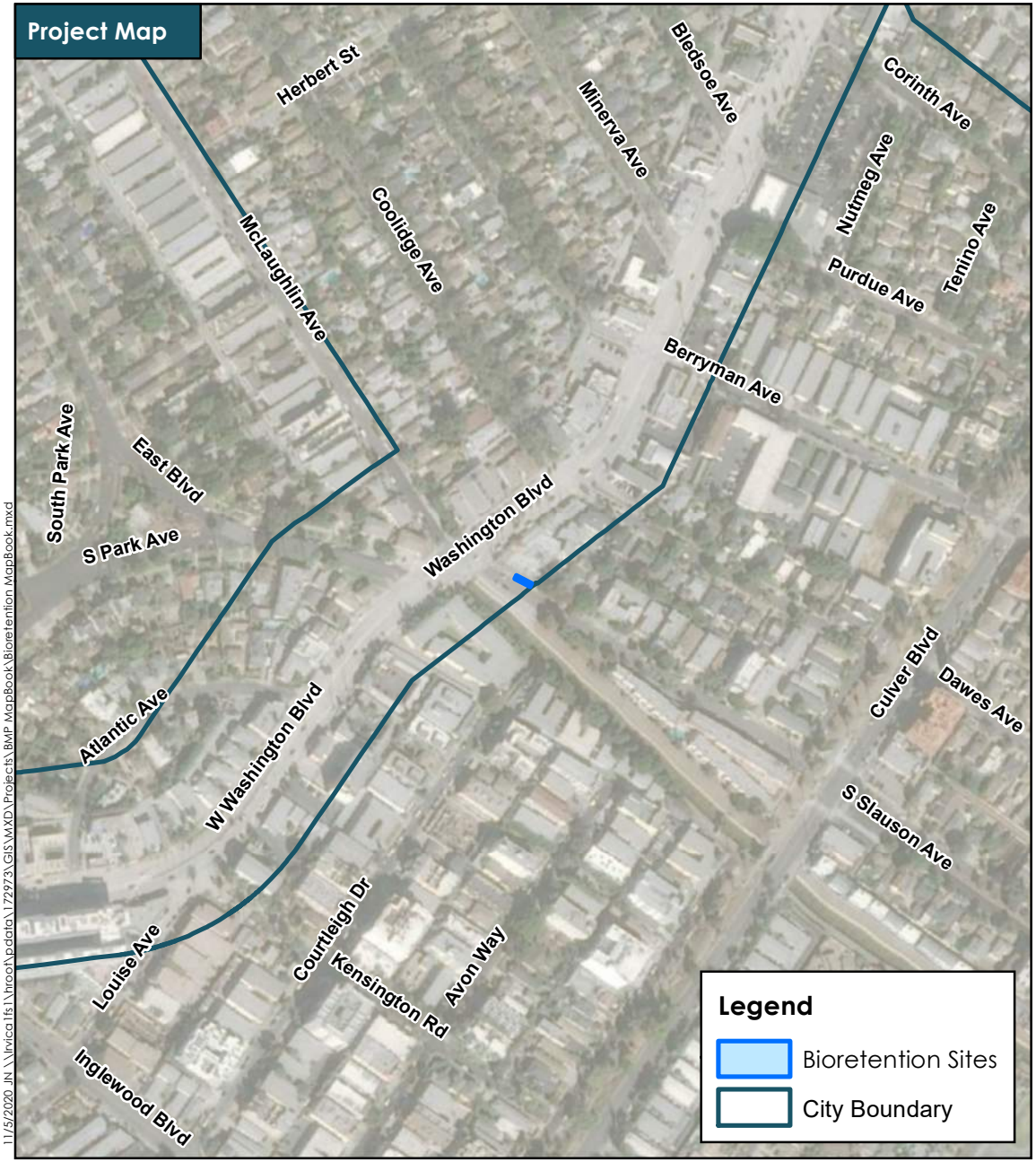
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR27

Project Map



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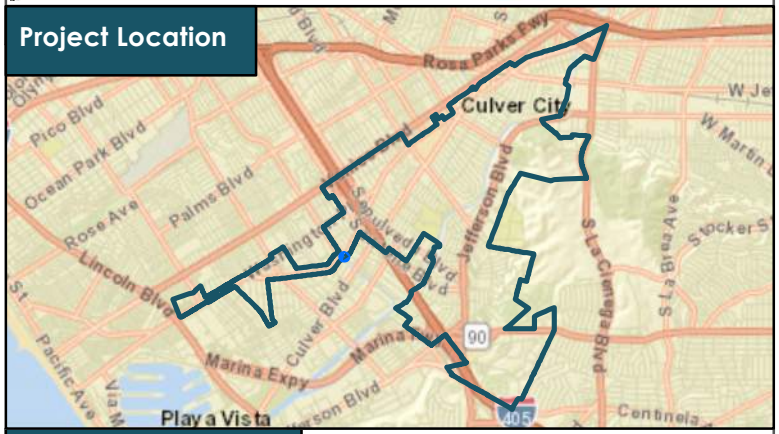
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.02
Drainage Area (ac):		0.18
Depth to Groundwater (ft):		33
EWMP Equivalient Volume (ac-ft):		0.01
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

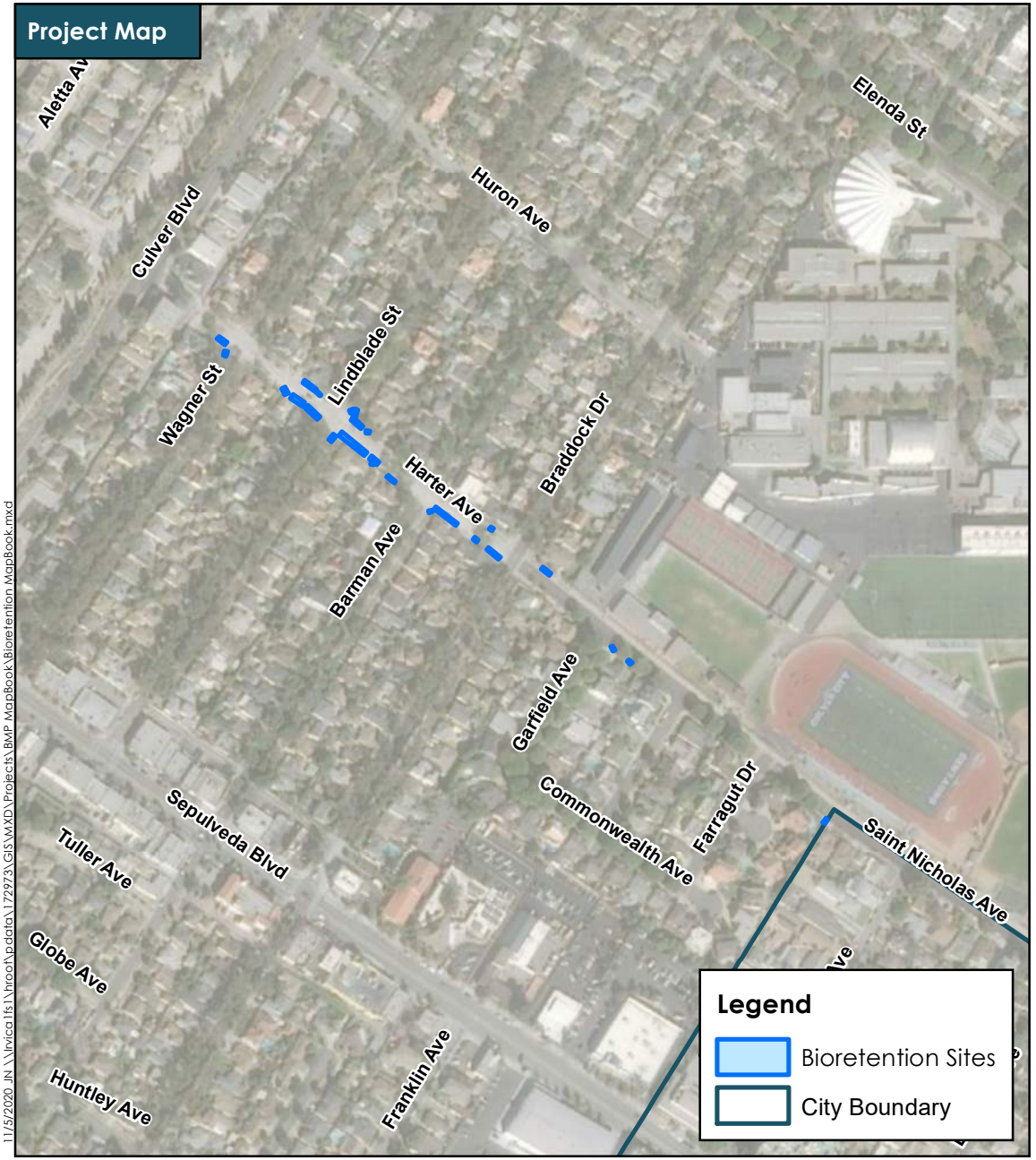
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR28

Project Map



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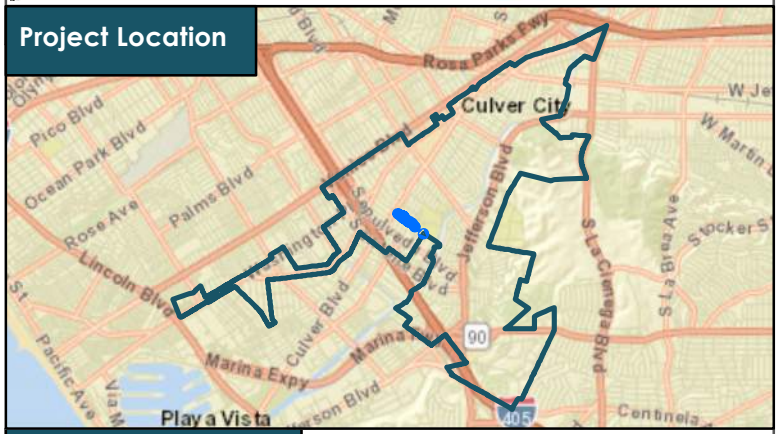
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.14
Drainage Area (ac):		1.7
Depth to Groundwater (ft):		22
EWMP Equivalient Volume (ac-ft):		0.08
Cost Estimate:	$	83,505

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

Michael Baker INTERNATIONAL

BLUE OCEAN CIVIL CONSULTING

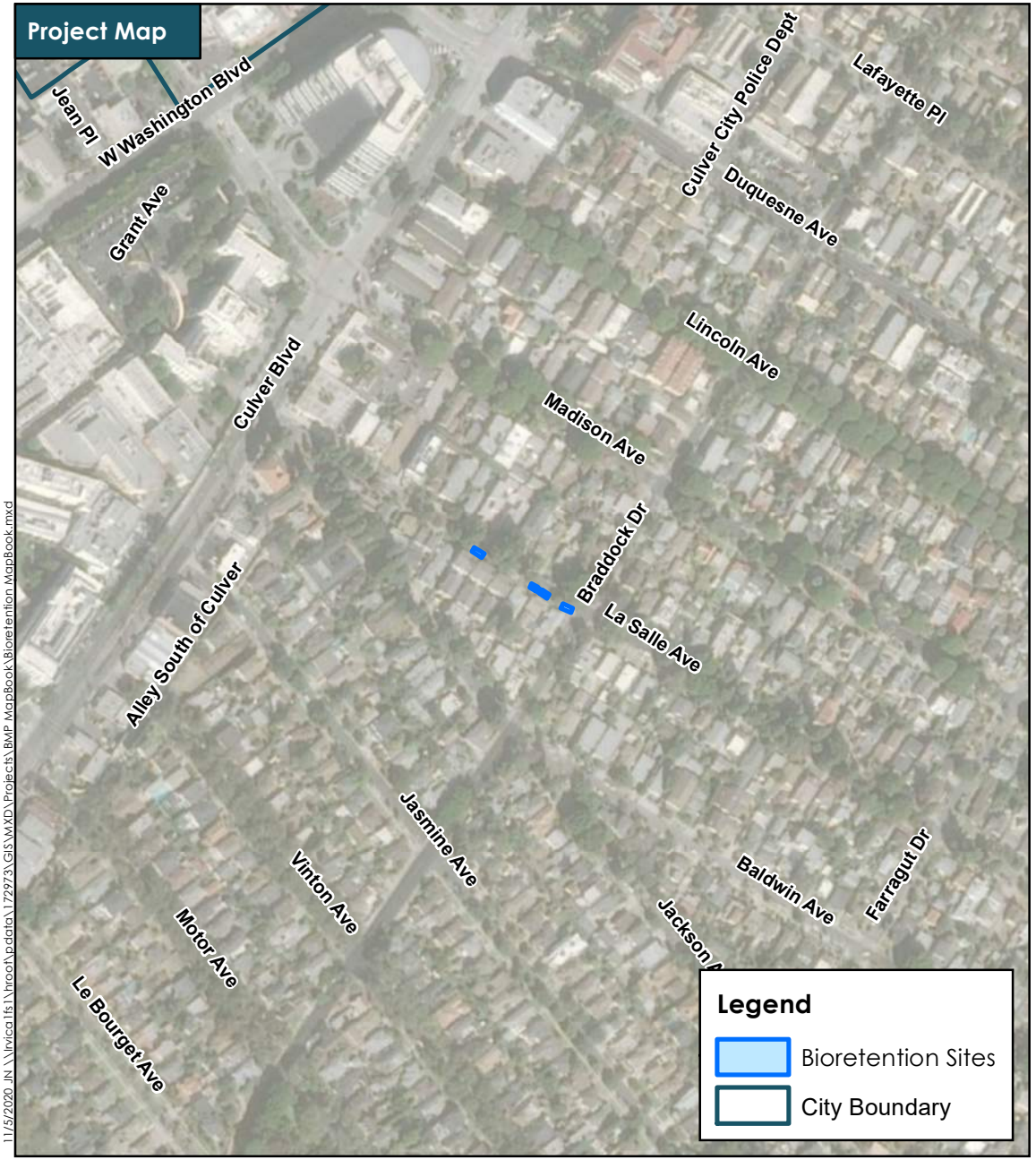
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR29

Project Map



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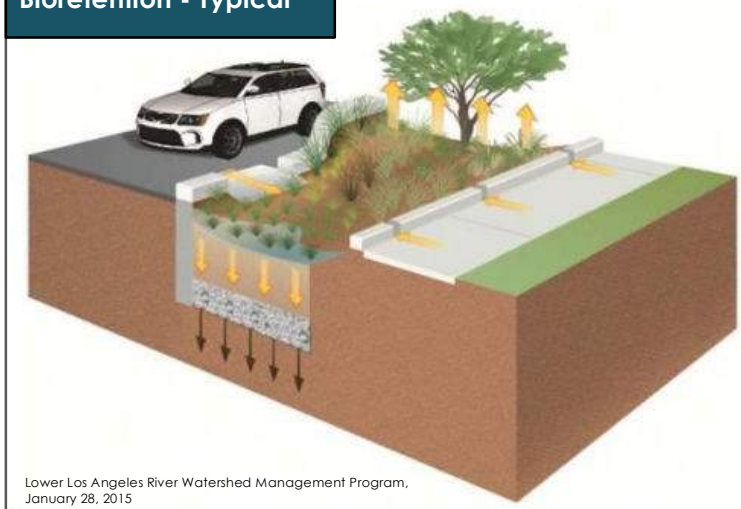
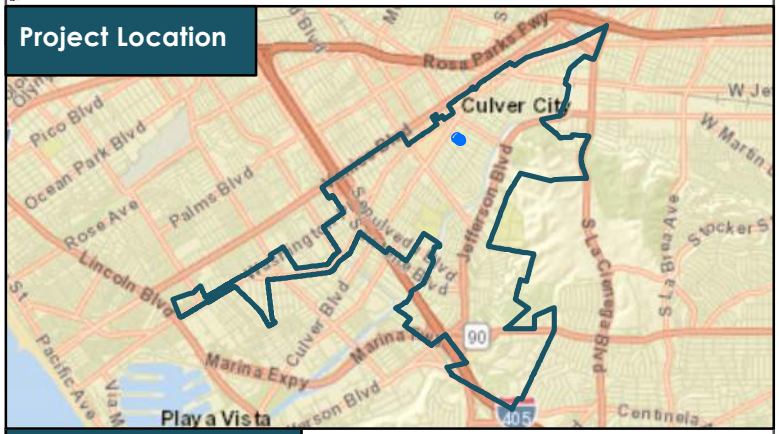
Bioretention - Typical



Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.04
Drainage Area (ac):		0.44
Depth to Groundwater (ft):		24
EWMP Equivalient Volume (ac-ft):		0.01
Cost Estimate:	$	21,452

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

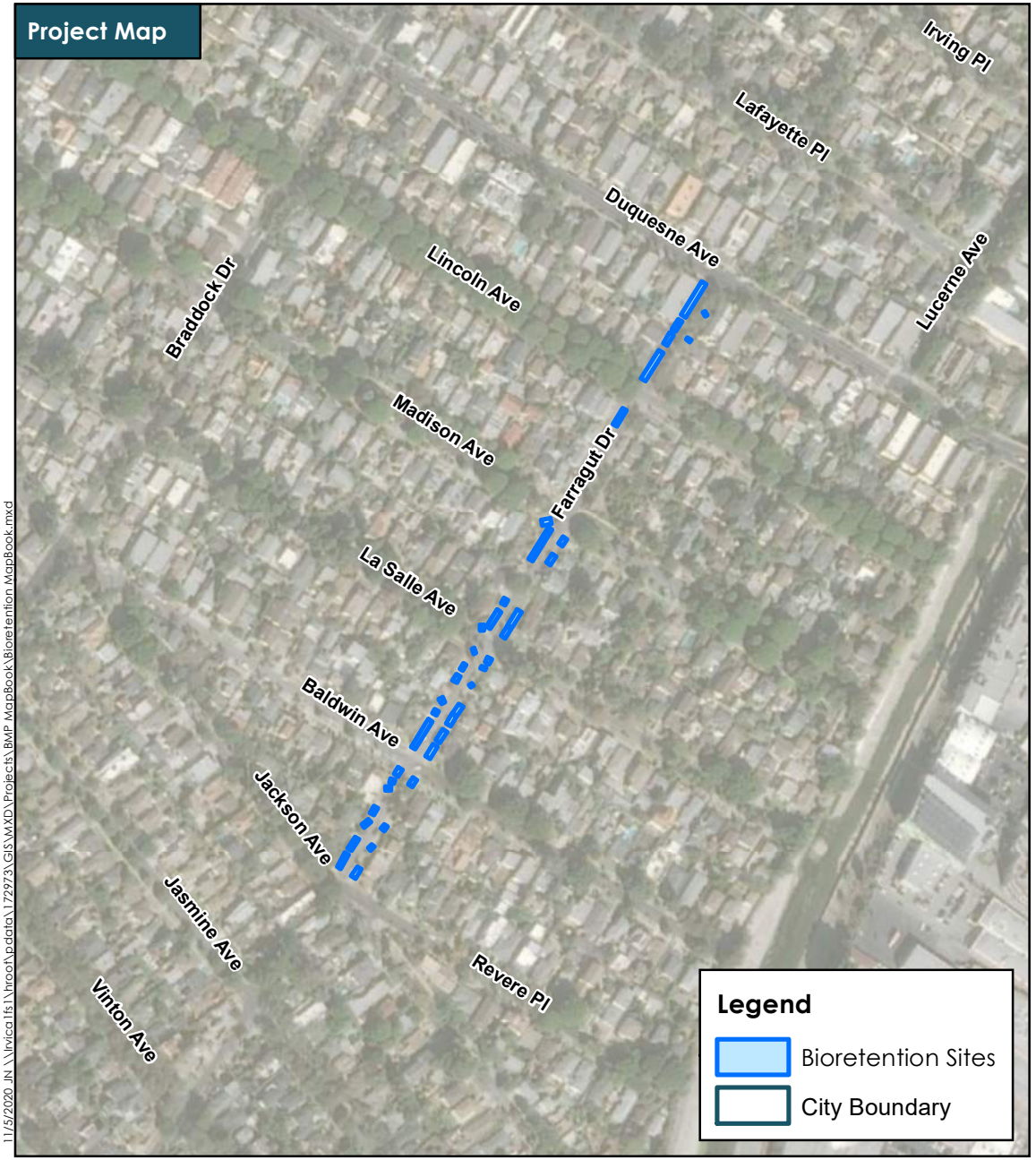
Source: City of Culver City

0 200 400 Feet

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR30

Project Map



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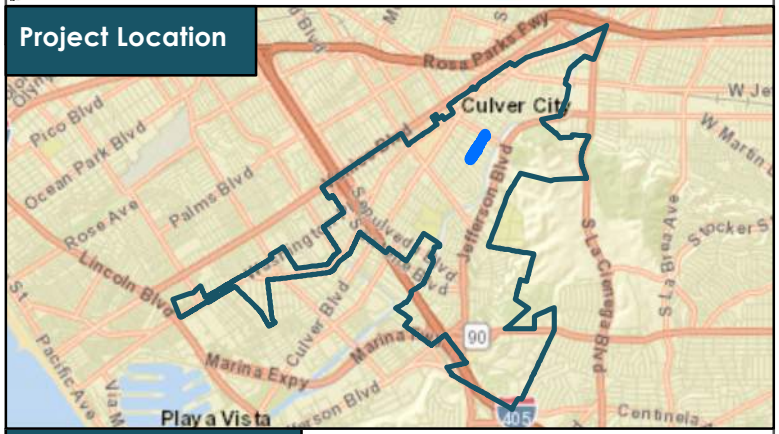
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.42
Drainage Area (ac):		5.03
Depth to Groundwater (ft):		35
EWMP Equivalient Volume (ac-ft):		0.15
Cost Estimate:	$	246,624

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

Michael Baker INTERNATIONAL

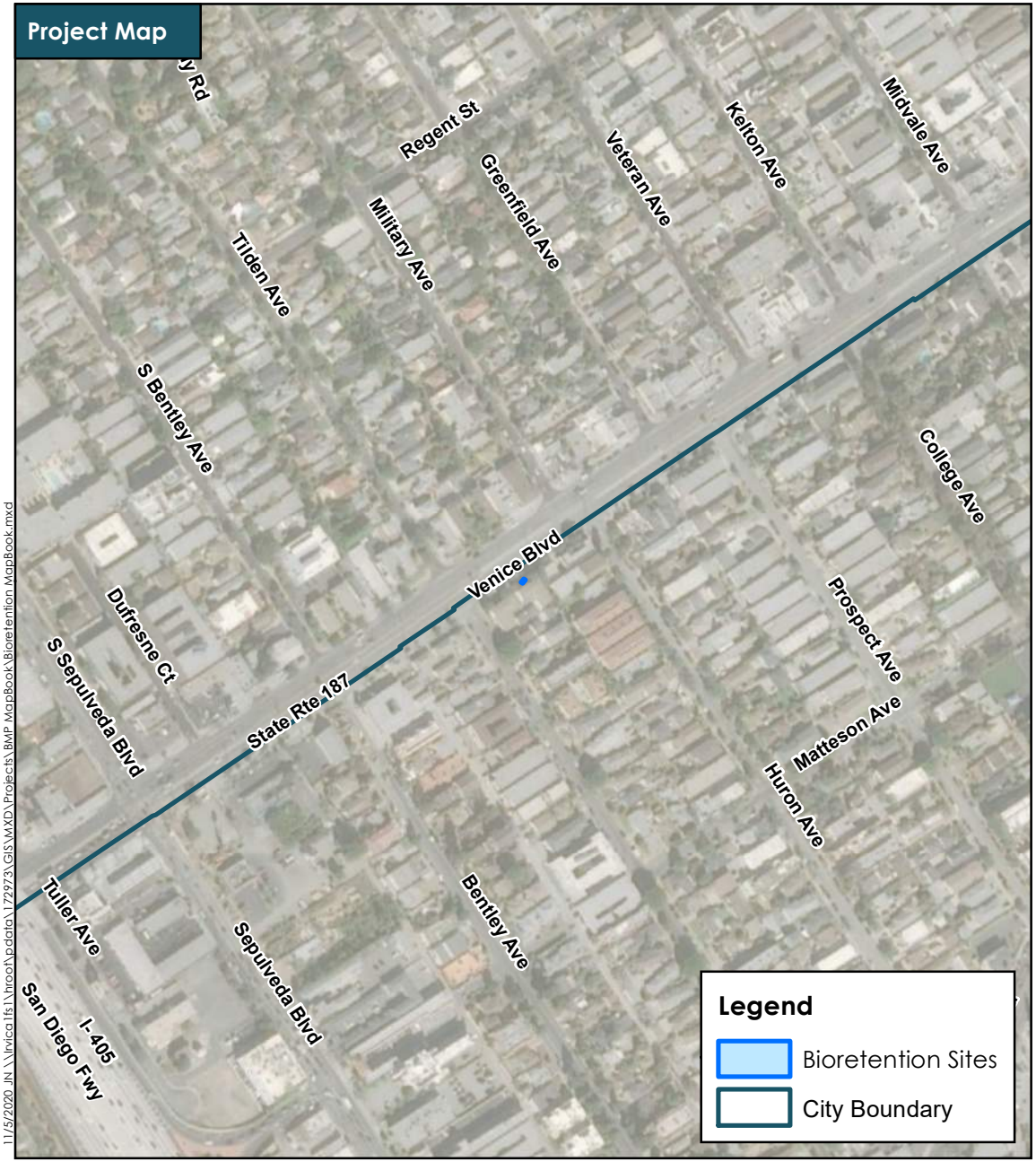
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR31

Project Map



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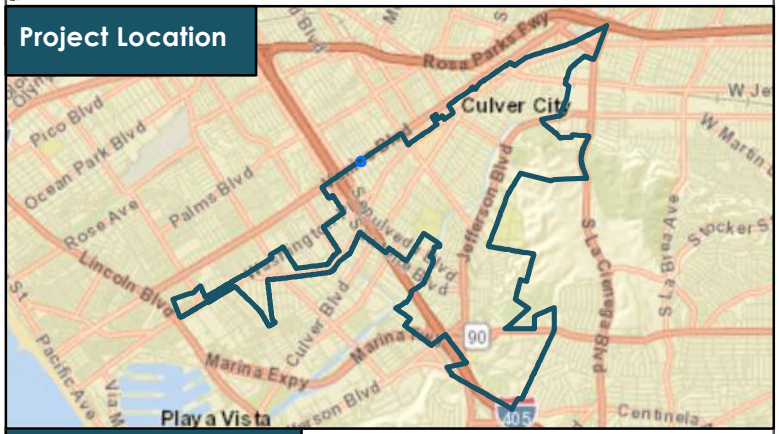
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0
Drainage Area (ac):		0.01
Depth to Groundwater (ft):		48
EWMP Equivalient Volume (ac-ft):		0
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

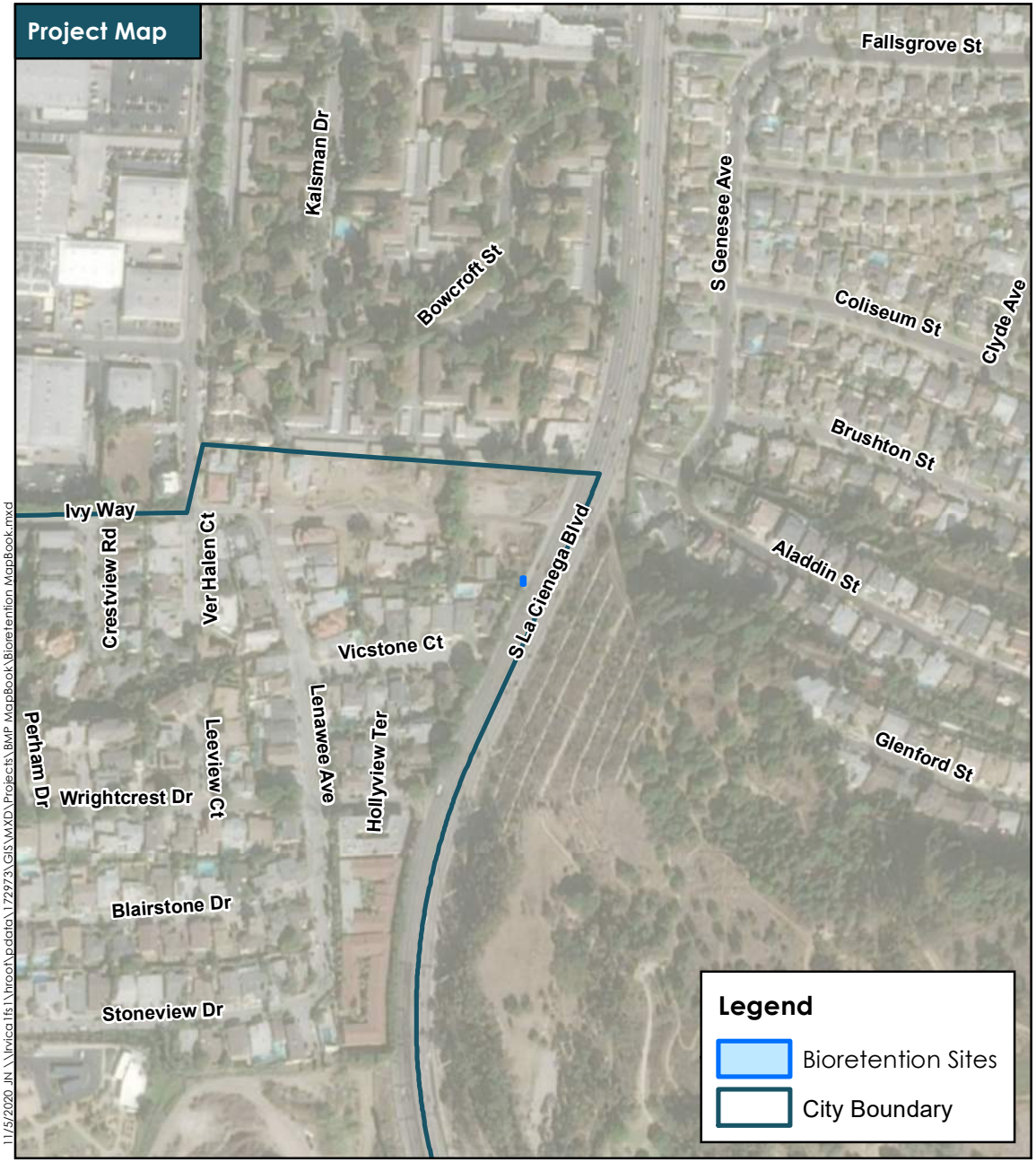
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR32

Project Map



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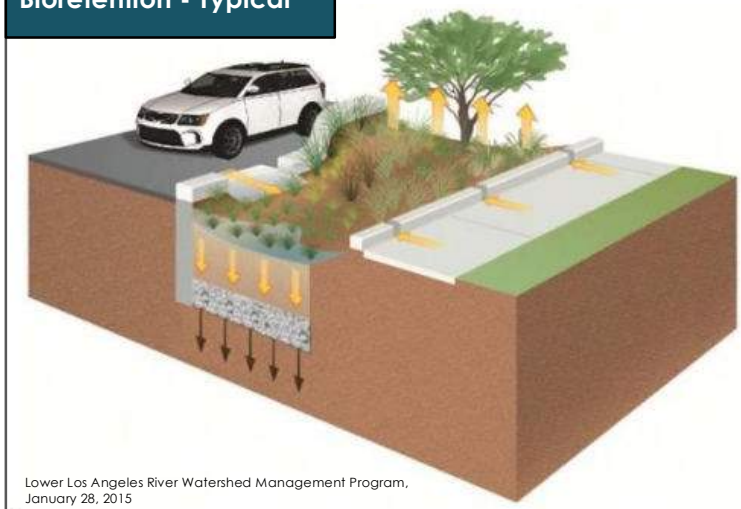
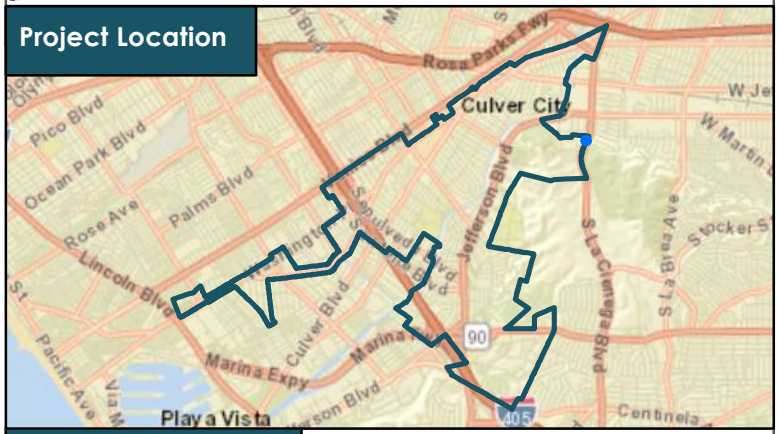
Bioretention - Typical



Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0
Drainage Area (ac):		0.02
Depth to Groundwater (ft):		81
EWMP Equivalient Volume (ac-ft):		0
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

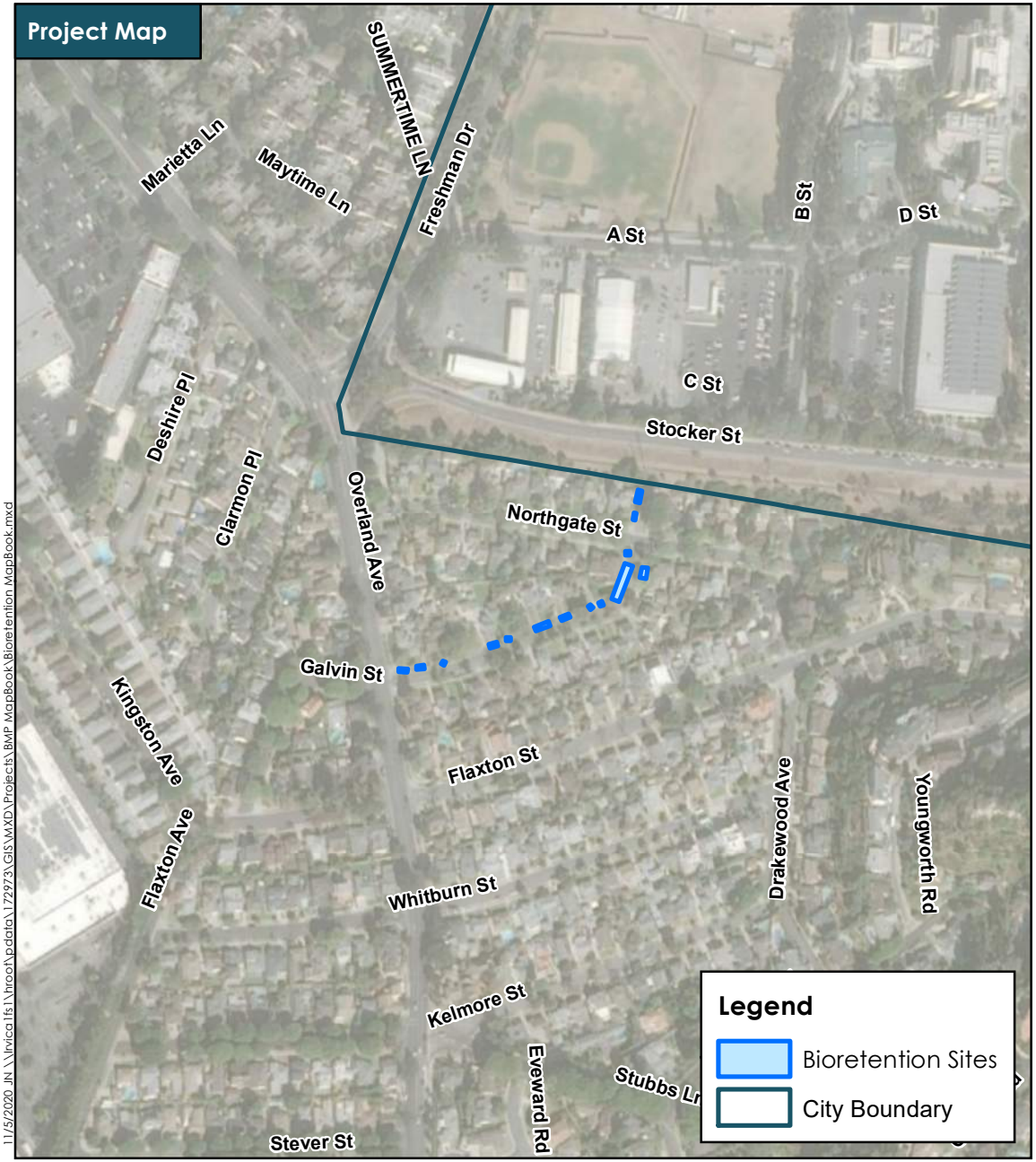
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR33

Project Map



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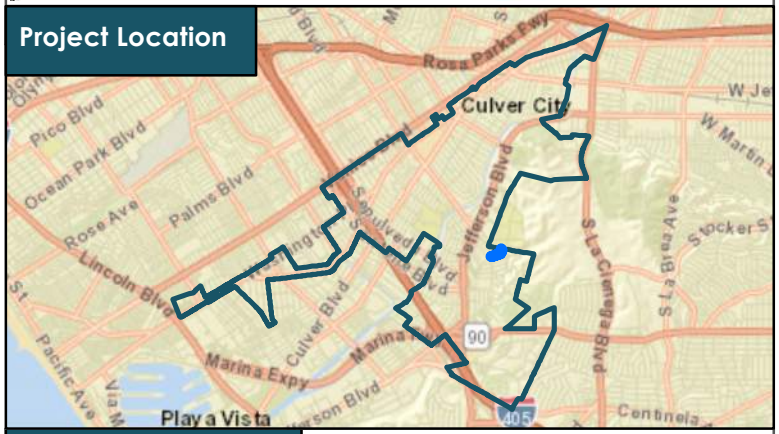
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.11
Drainage Area (ac):		1.37
Depth to Groundwater (ft):		65
EWMP Equivalient Volume (ac-ft):		0.1
Cost Estimate:	$	67,133

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

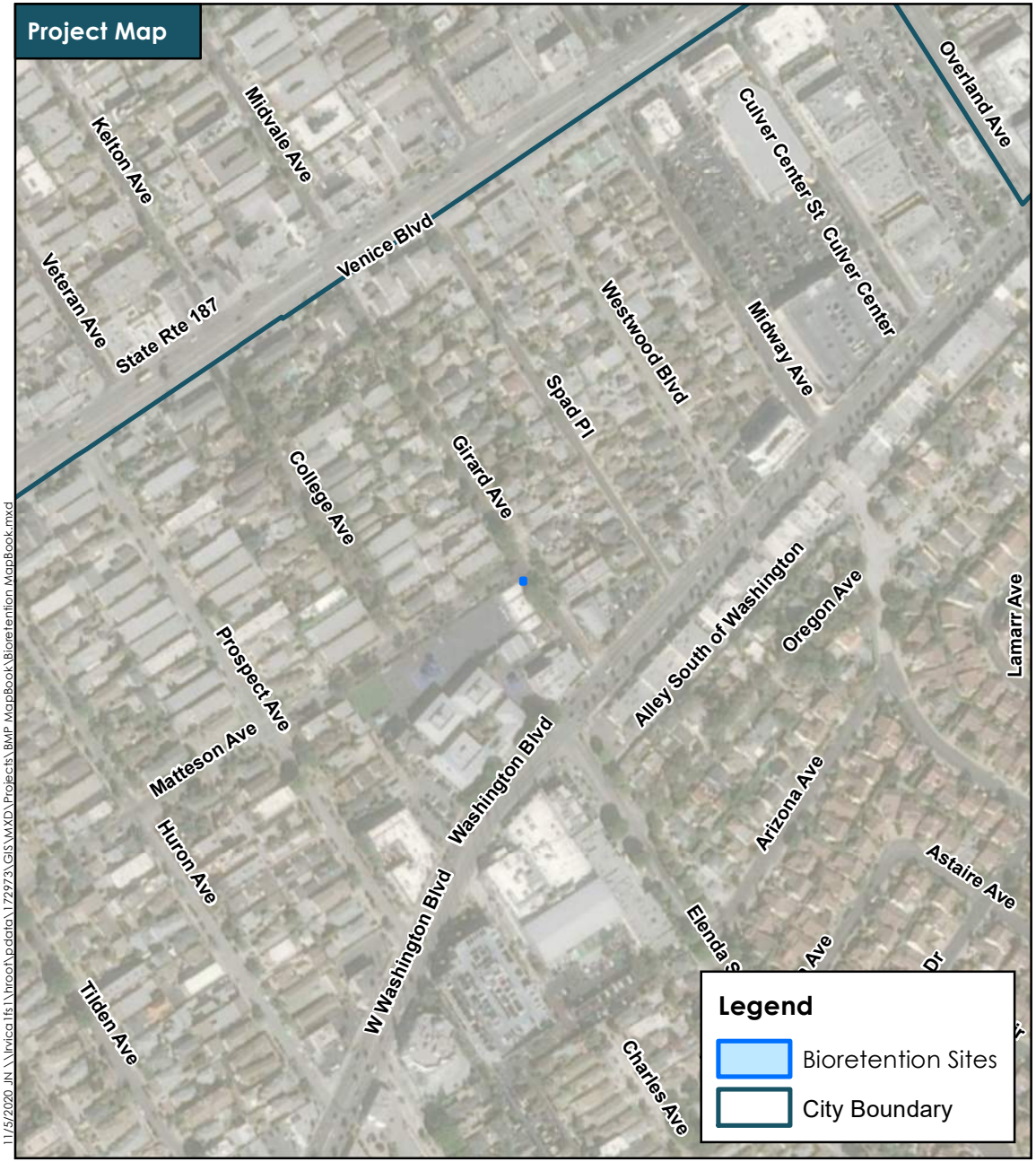
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR34

Project Map



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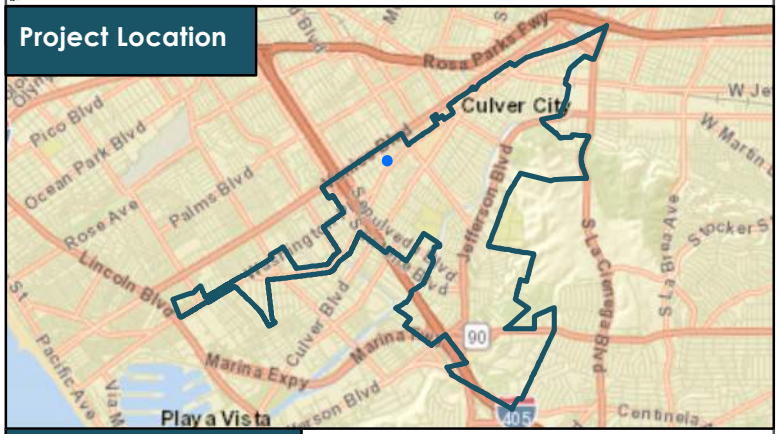
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0
Drainage Area (ac):		0.03
Depth to Groundwater (ft):		36
EWMP Equivalient Volume (ac-ft):		0
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

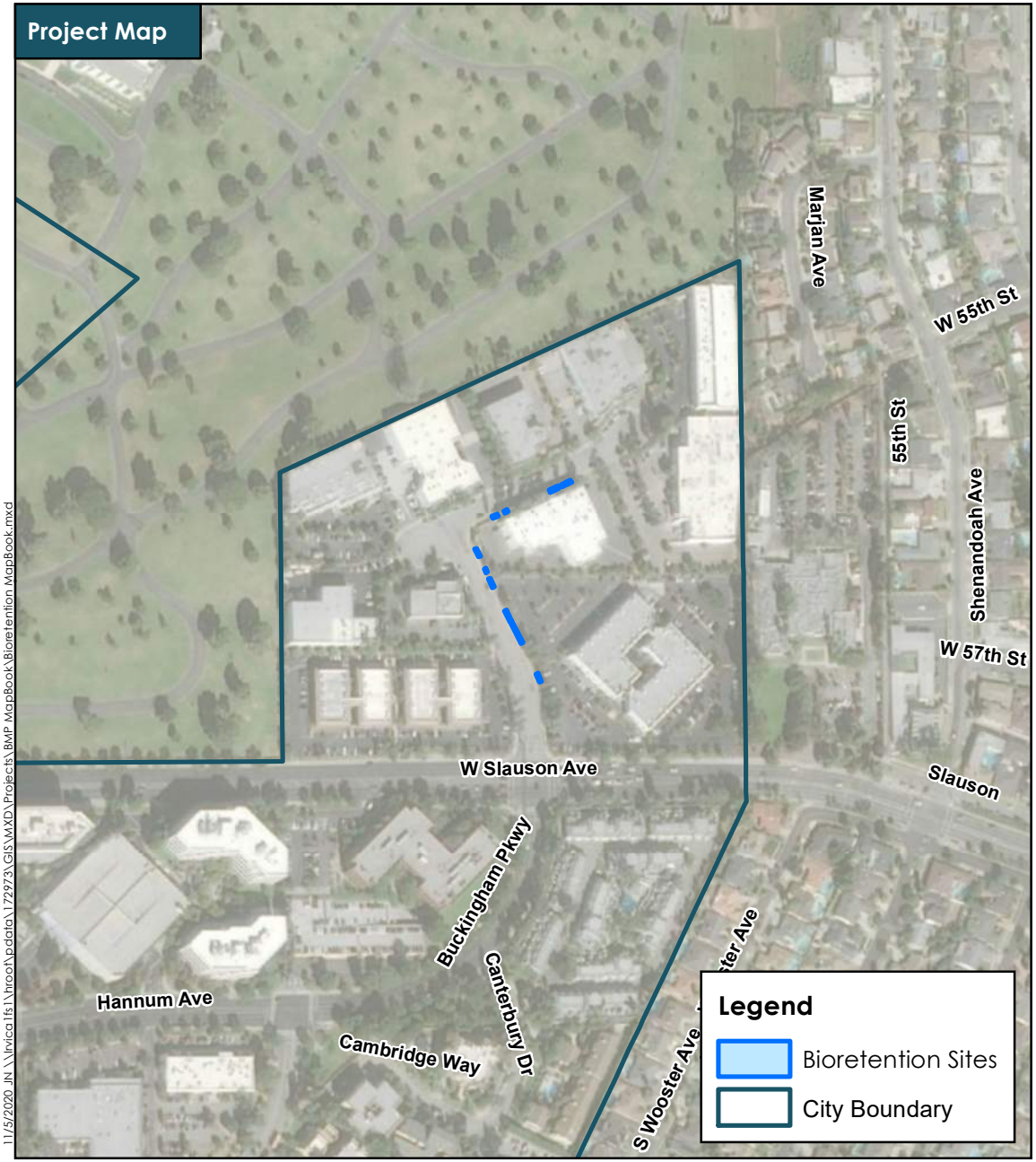
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR35

Project Map



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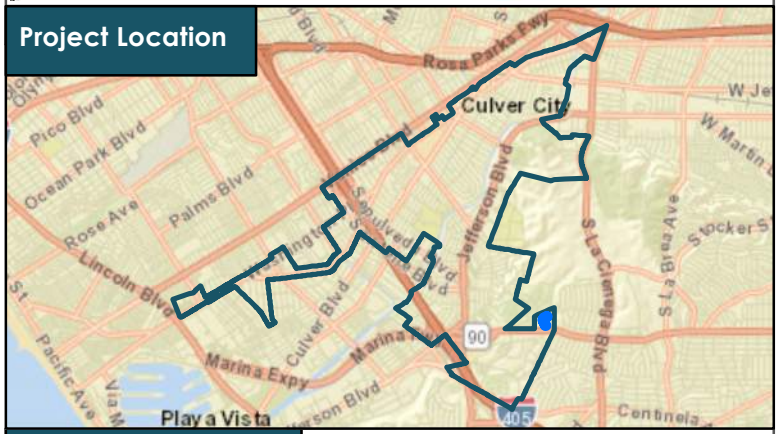
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.03
Drainage Area (ac):		0.31
Depth to Groundwater (ft):		141
EWMP Equivalient Volume (ac-ft):		0.01
Cost Estimate:	$	15,432

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

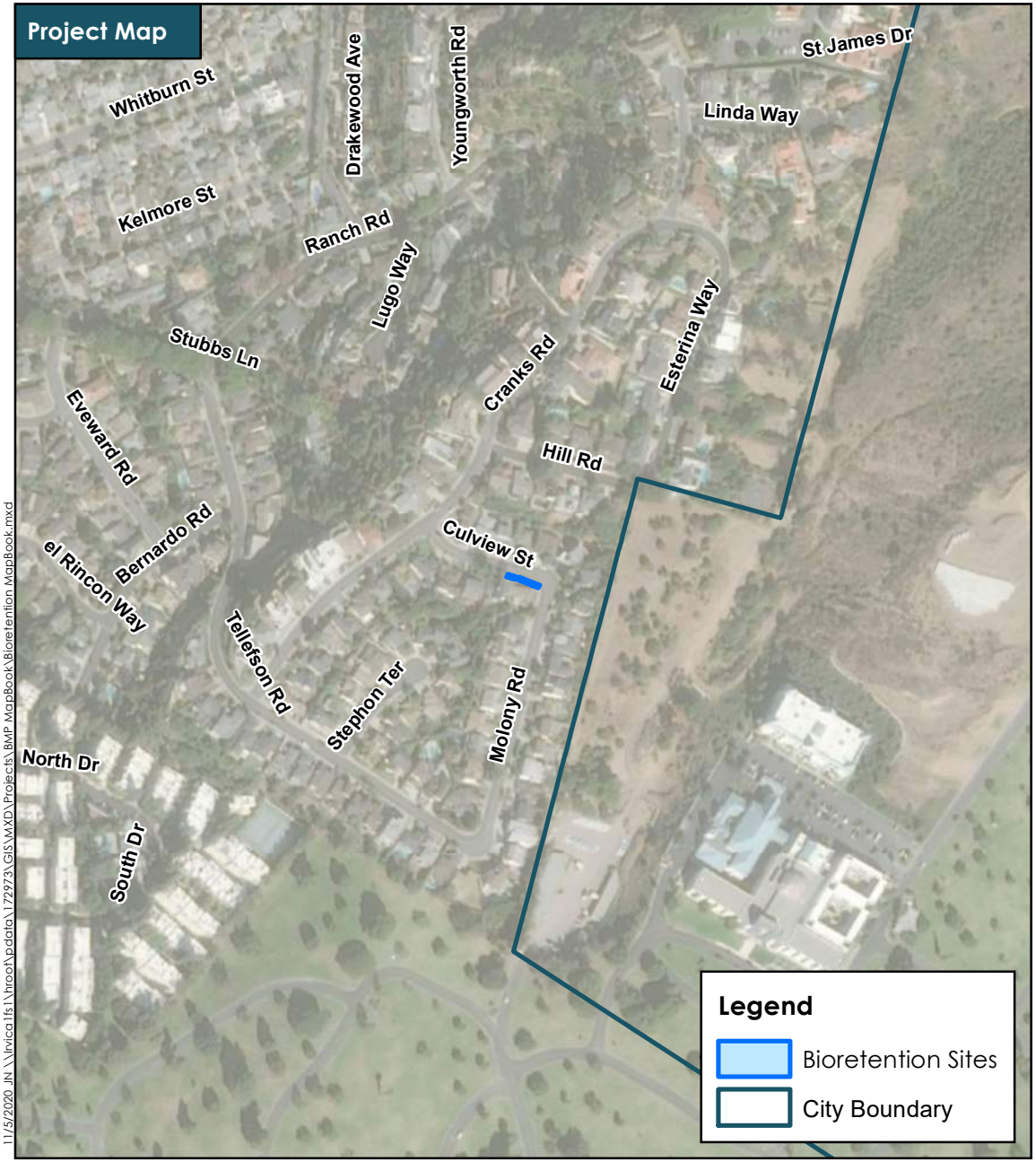
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR36

Project Map



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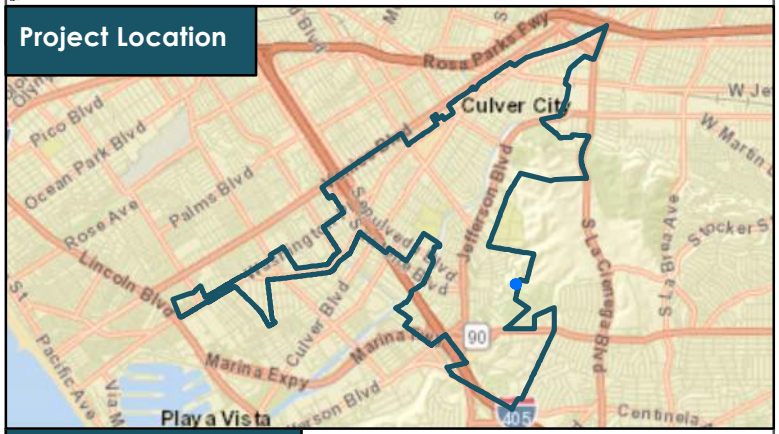
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.02
Drainage Area (ac):		0.23
Depth to Groundwater (ft):		157
EWMP Equivalient Volume (ac-ft):		0.01
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

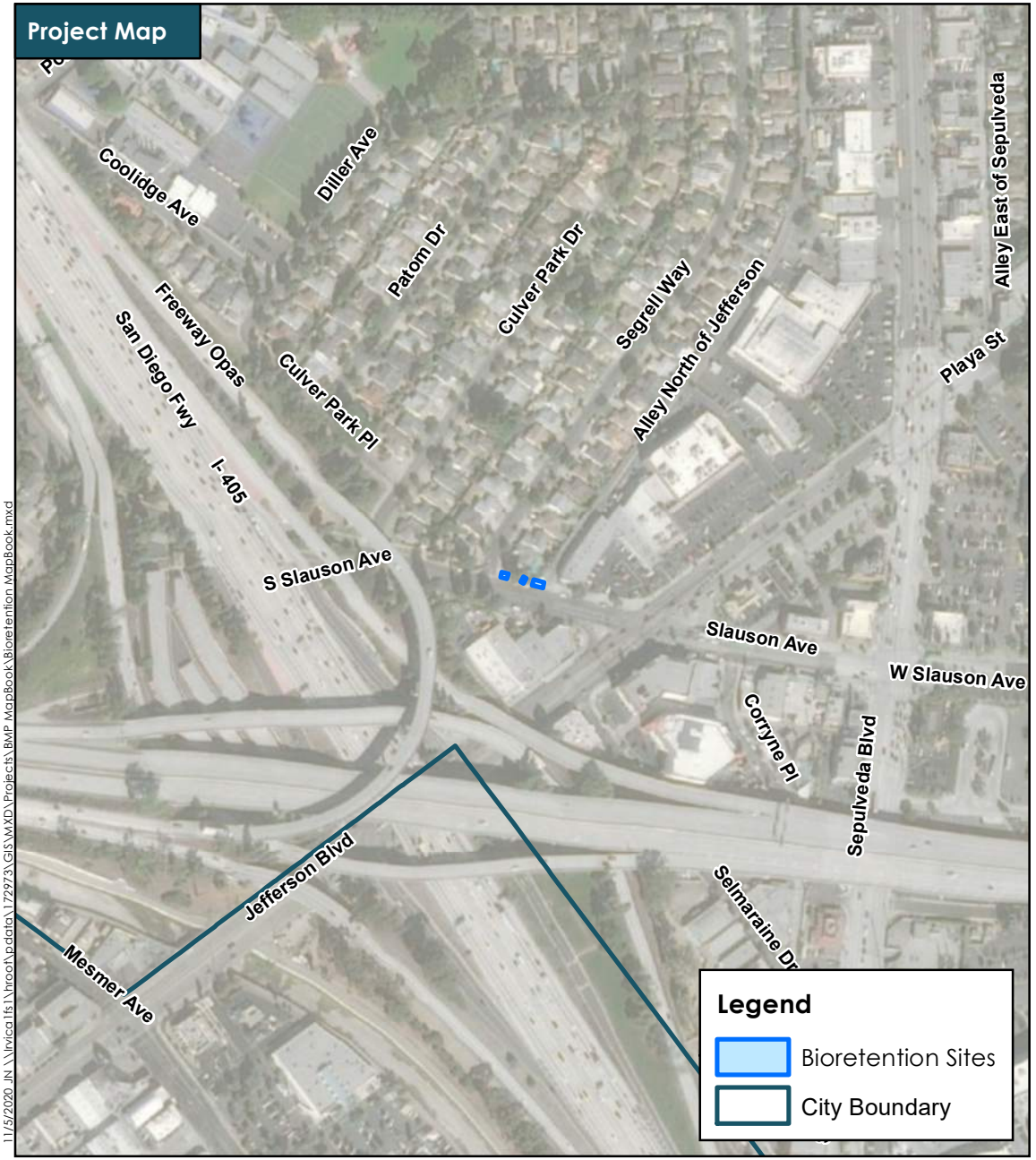
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR37

Project Map



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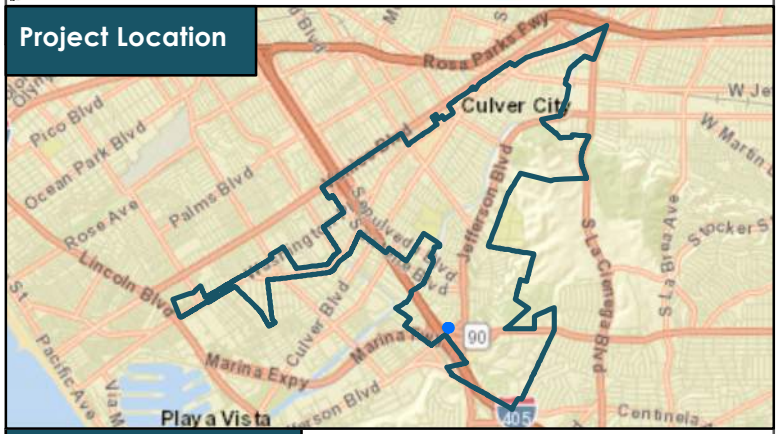
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.02
Drainage Area (ac):		0.23
Depth to Groundwater (ft):		14
EWMP Equivalient Volume (ac-ft):		0.02
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

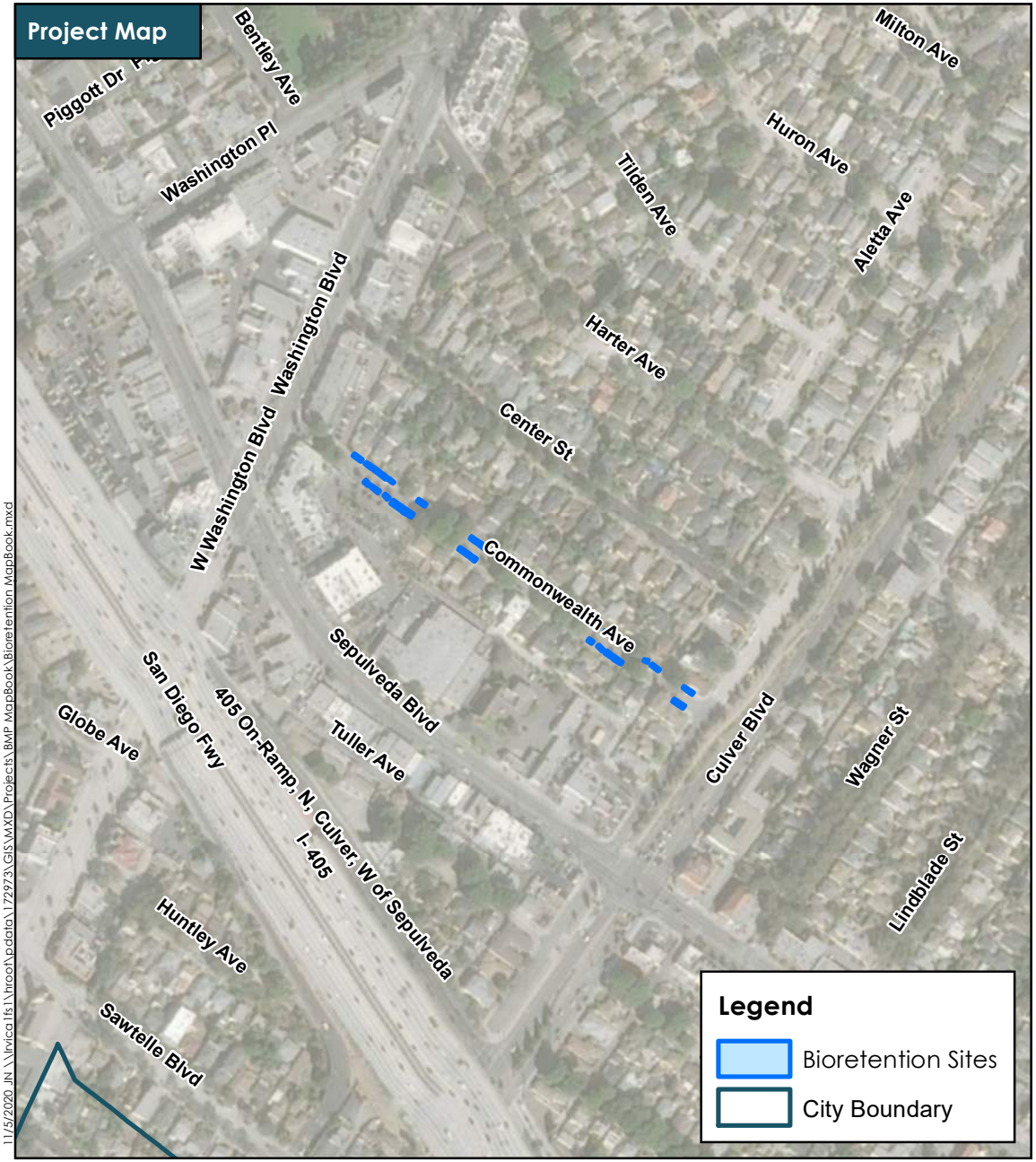
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR38

Project Map



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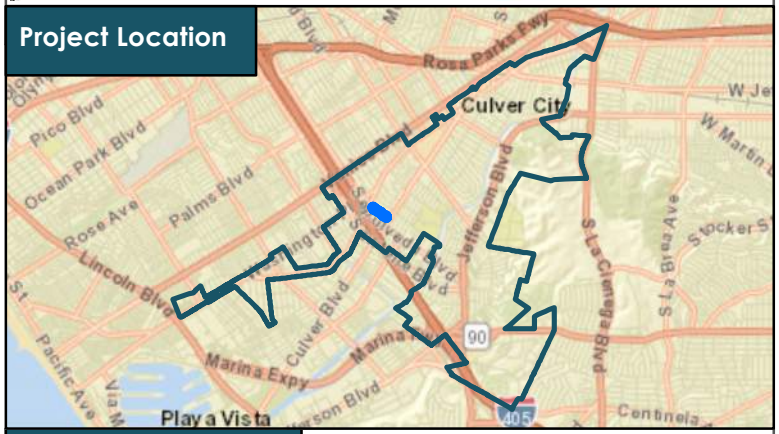
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.1
Drainage Area (ac):		1.19
Depth to Groundwater (ft):		26
EWMP Equivalient Volume (ac-ft):		0.05
Cost Estimate:	$	58,220

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

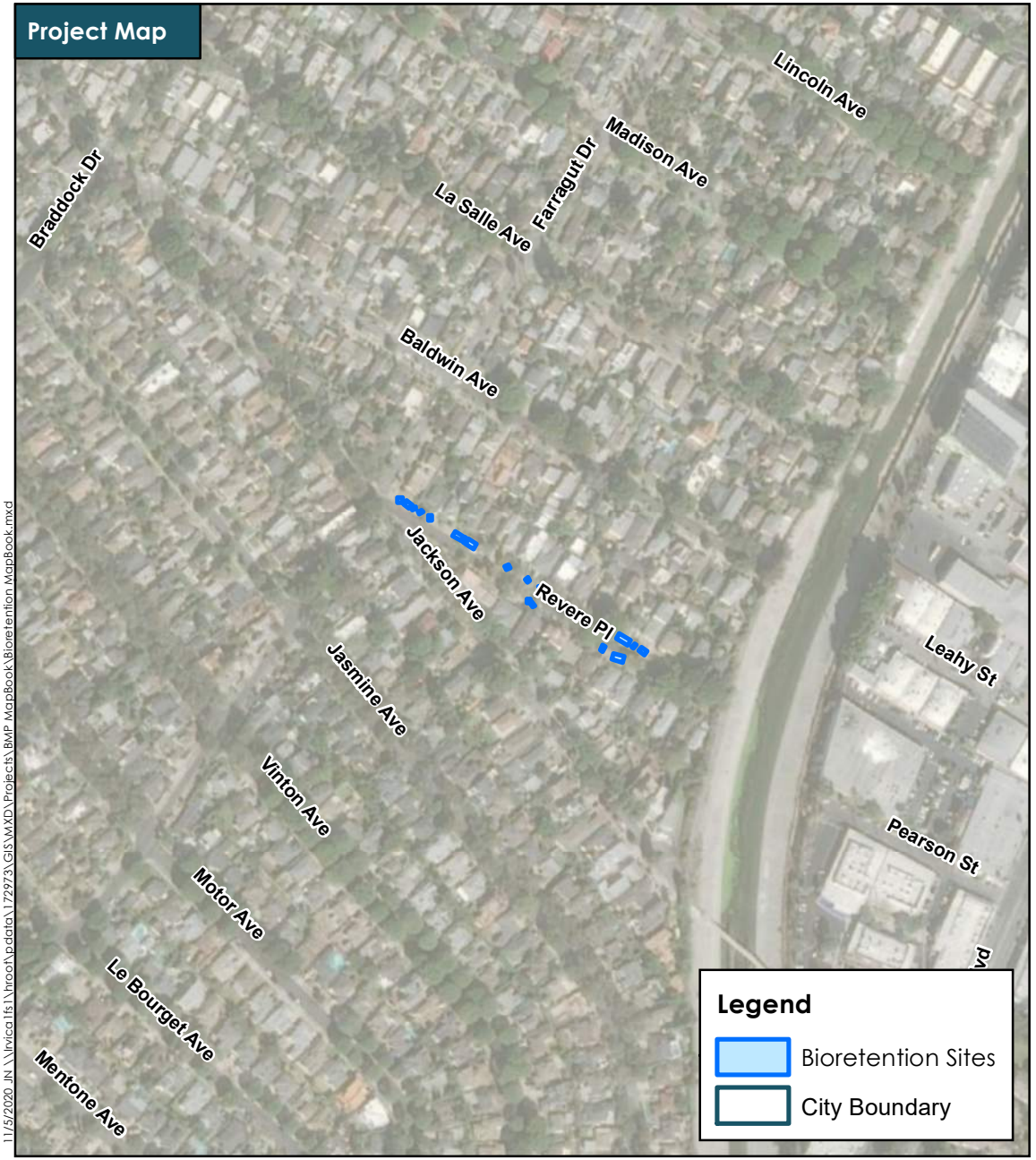
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR39

Project Map



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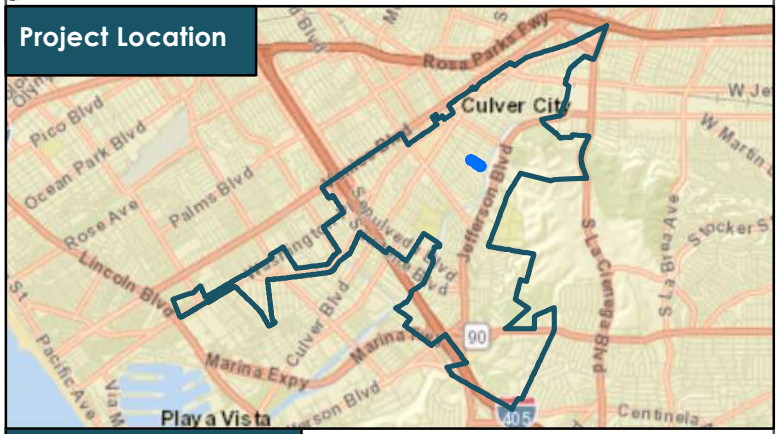
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.07
Drainage Area (ac):		0.85
Depth to Groundwater (ft):		29
EWMP Equivalient Volume (ac-ft):		0.02
Cost Estimate:	$	41,774

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

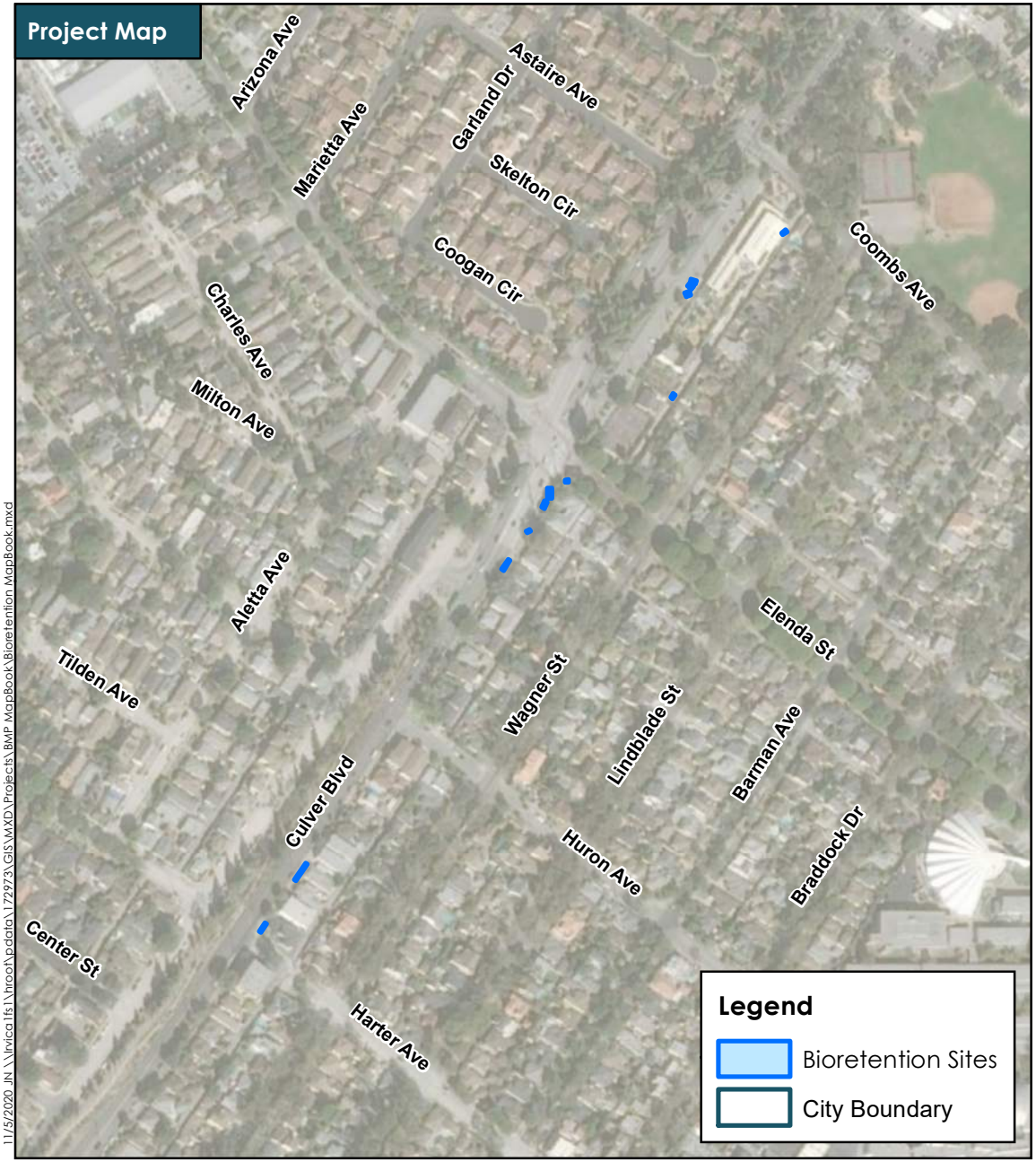
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR40

Project Map



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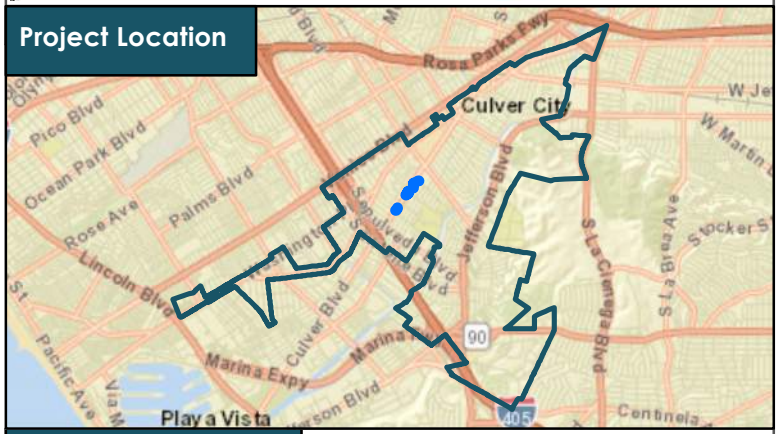
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.04
Drainage Area (ac):		0.48
Depth to Groundwater (ft):		23
EWMP Equivalient Volume (ac-ft):		0.02
Cost Estimate:	$	23,422

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

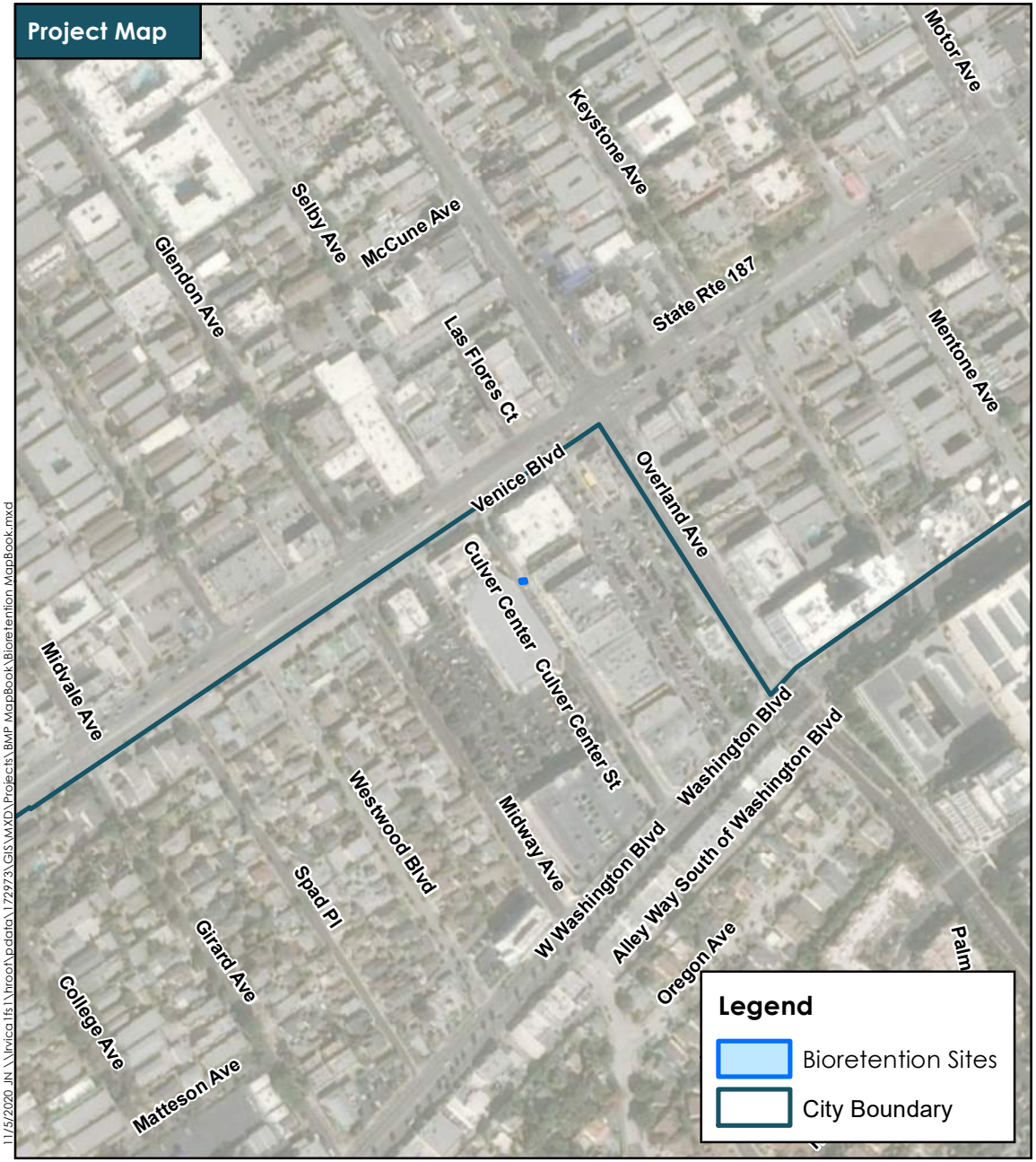
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR41

Project Map



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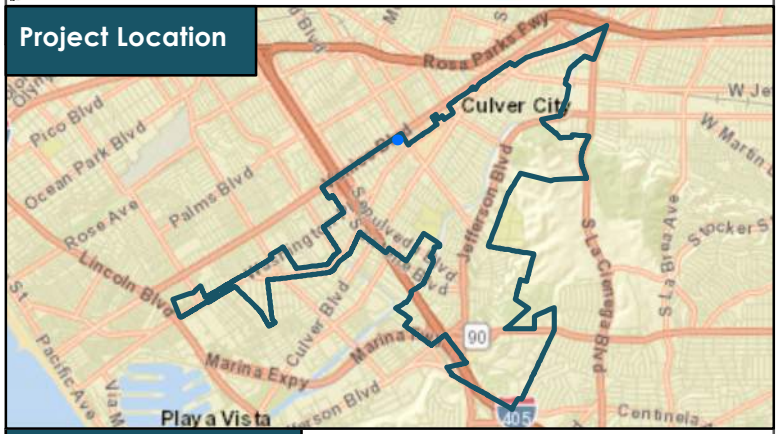
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0
Drainage Area (ac):		0.01
Depth to Groundwater (ft):		51
EWMP Equivalient Volume (ac-ft):		0
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

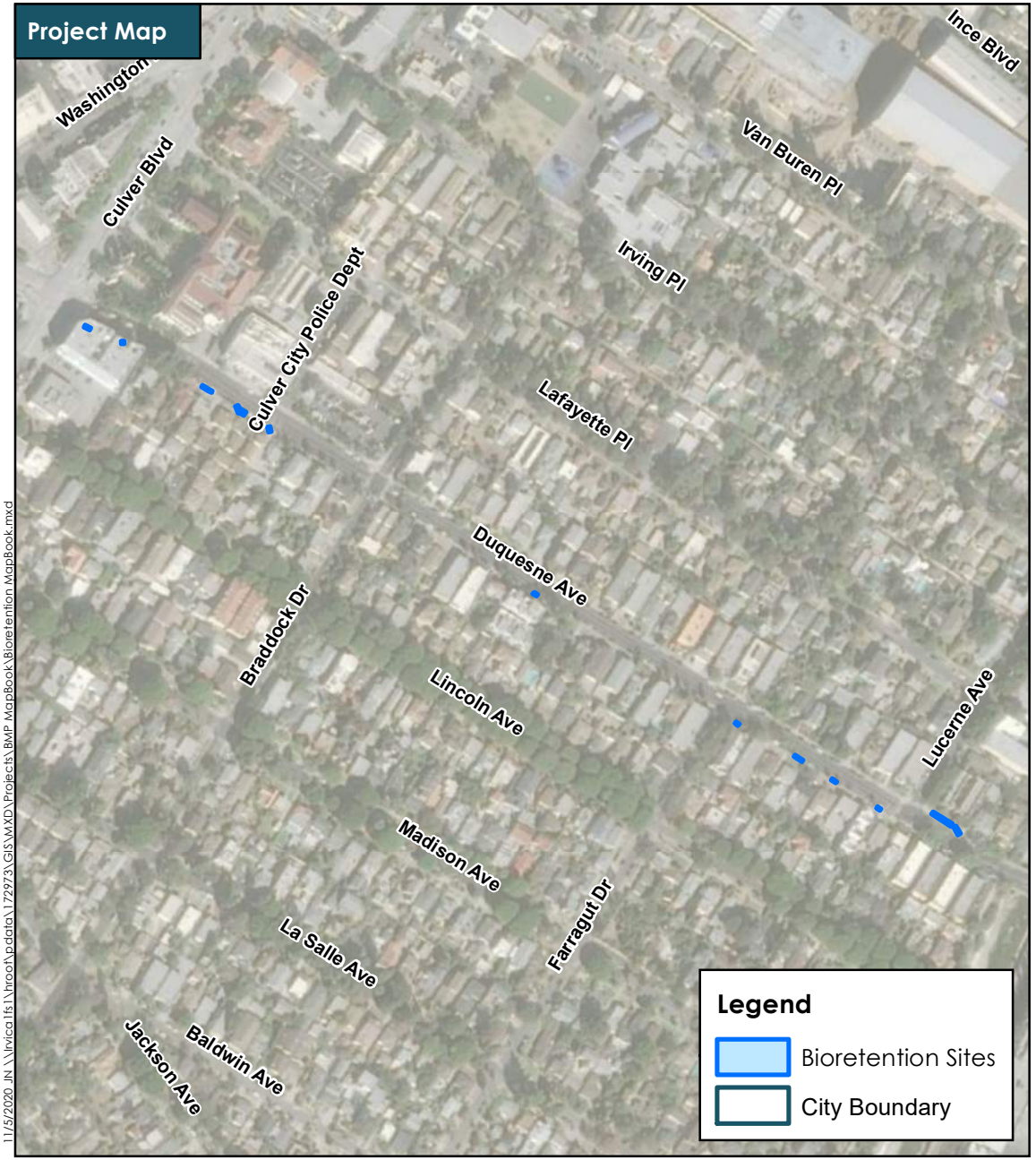
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR42

Project Map



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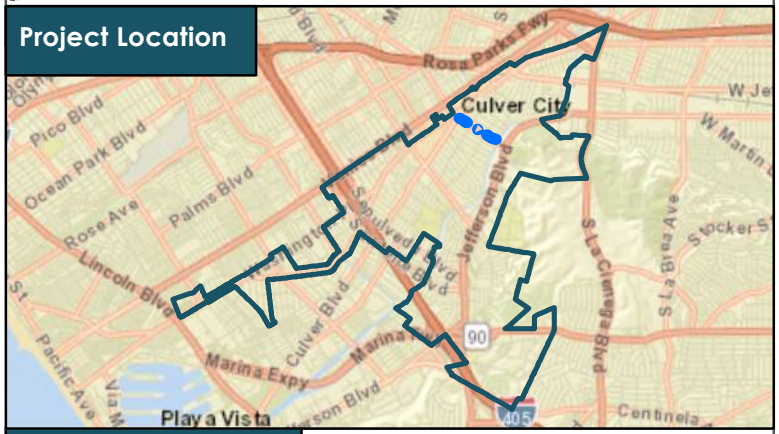
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.03
Drainage Area (ac):		0.38
Depth to Groundwater (ft):		32
EWMP Equivalient Volume (ac-ft):		0.02
Cost Estimate:	$	18,587

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

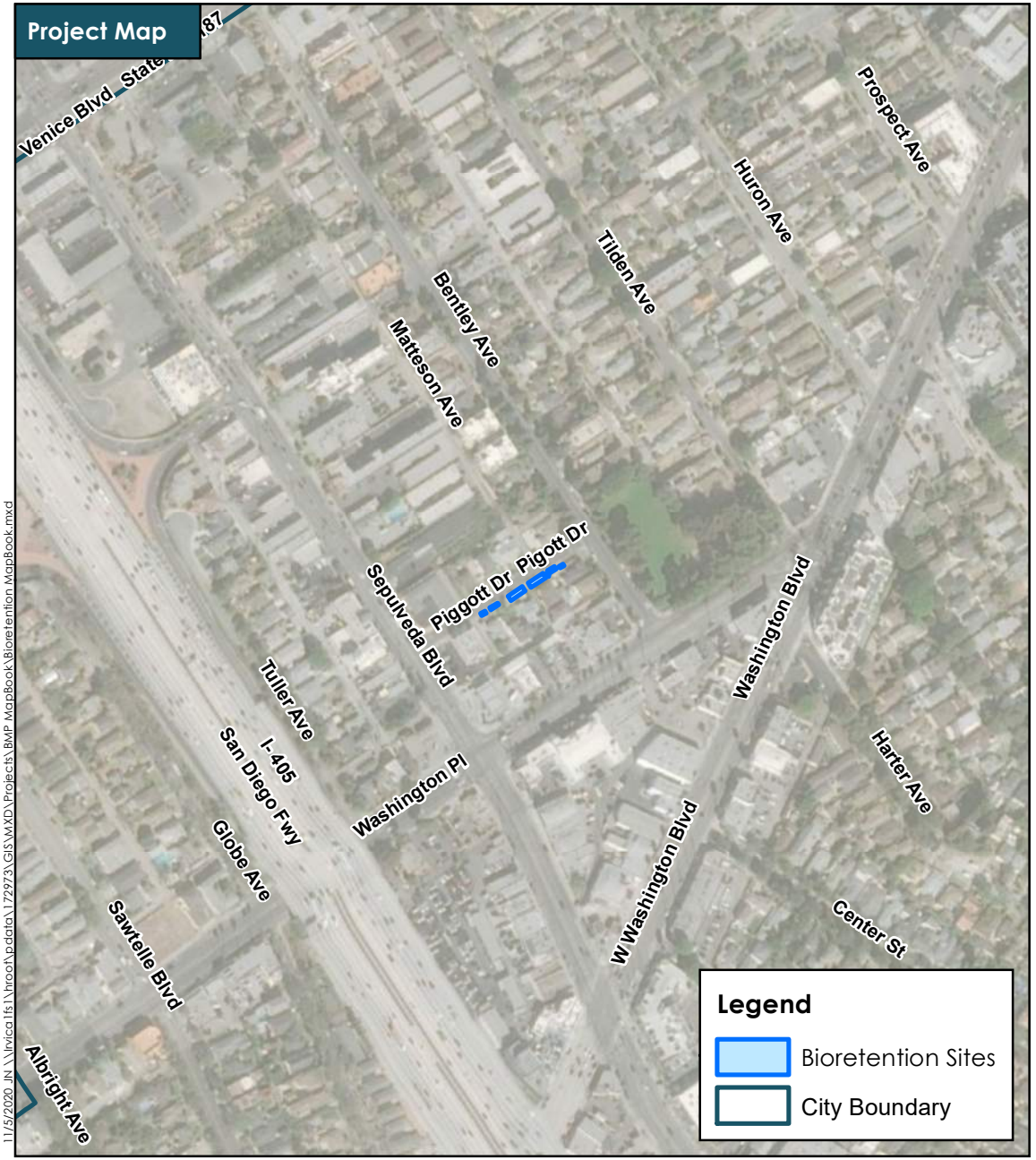
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR43

Project Map



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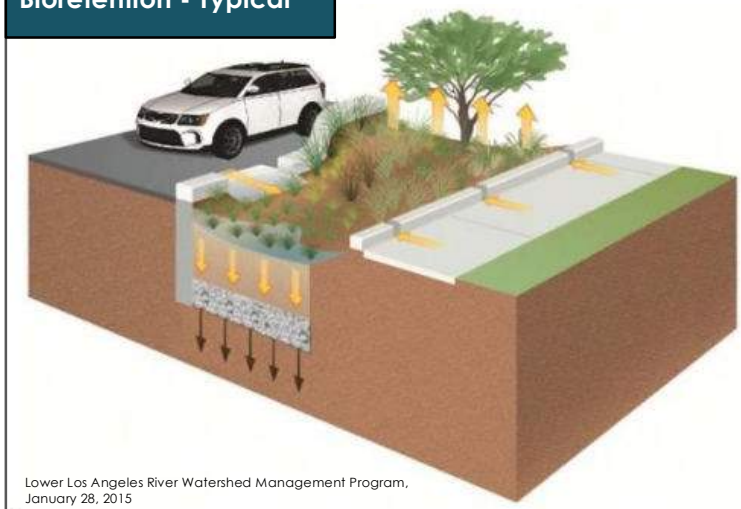
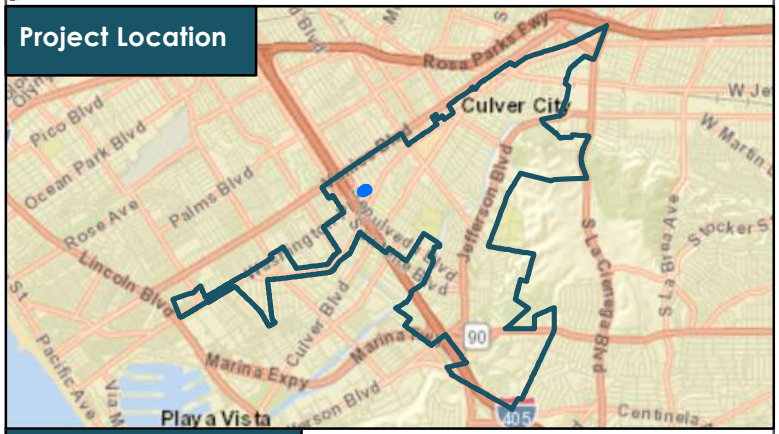
Bioretention - Typical



Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.05
Drainage Area (ac):		0.57
Depth to Groundwater (ft):		28
EWMP Equivalient Volume (ac-ft):		0.03
Cost Estimate:	$	28,049

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR44

Project Map

11/5/2020 JN \\Irvlca1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location

Project Information

Storage Capcity (ac-ft):		0.01
Drainage Area (ac):		0.13
Depth to Groundwater (ft):		43
EWMP Equivalient Volume (ac-ft):		0.01
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

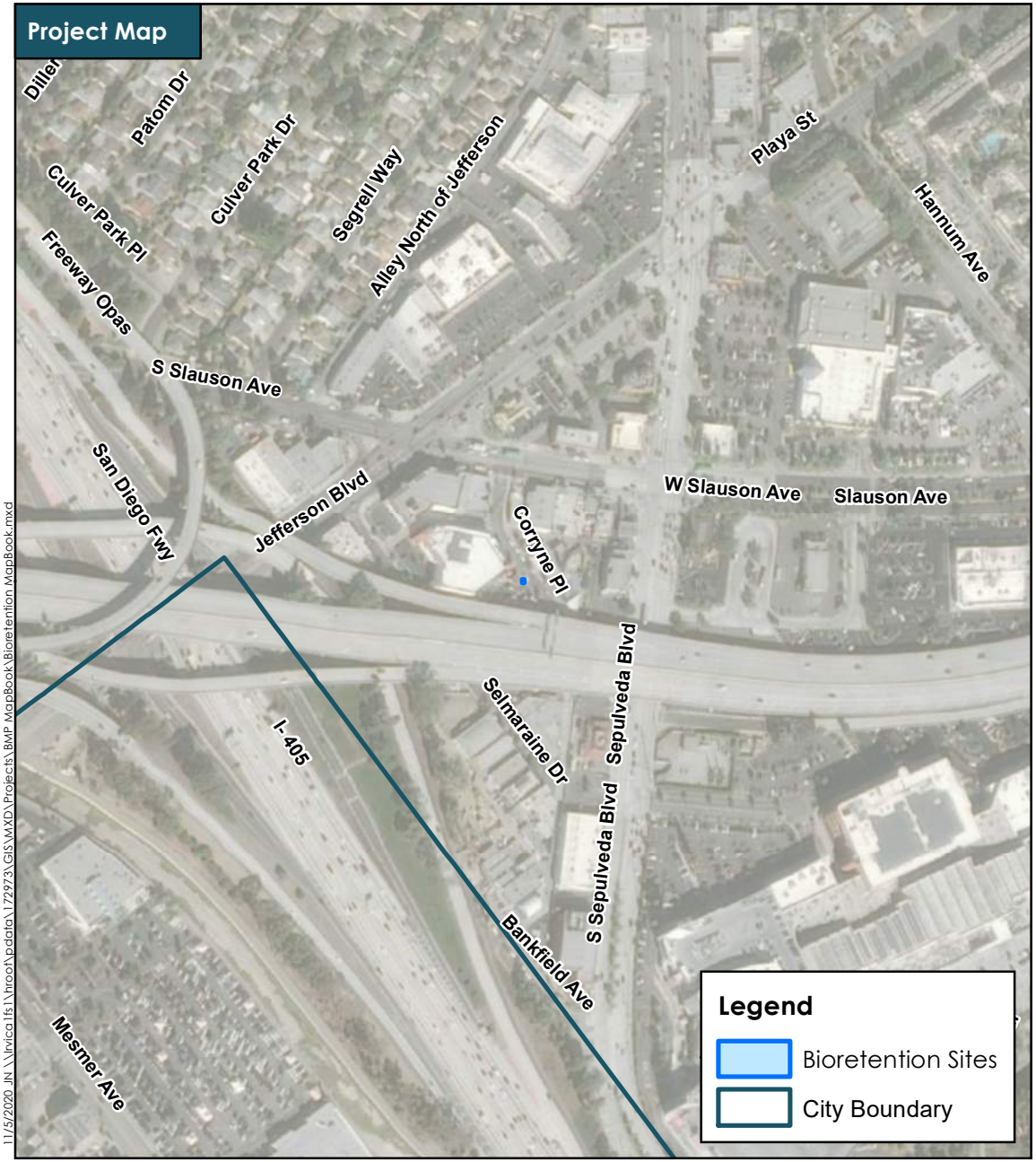
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR45

Project Map

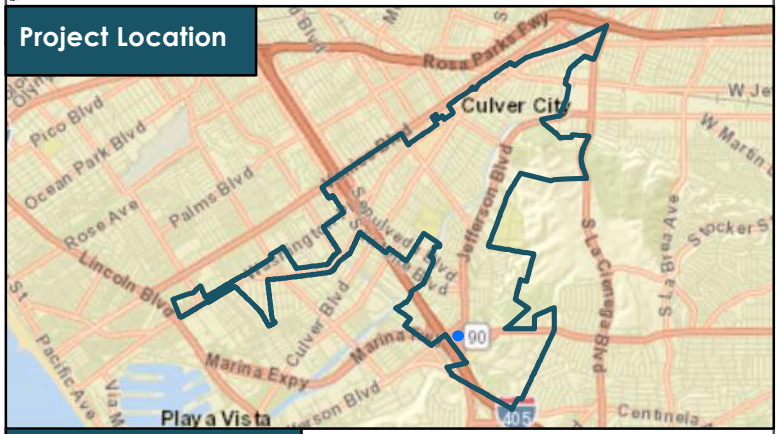


11/5/2020 JN \\Irvlcal1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0
Drainage Area (ac):		0.01
Depth to Groundwater (ft):		12
EWMP Equivalient Volume (ac-ft):		0
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

0 200 400 Feet

Source: City of Culver City

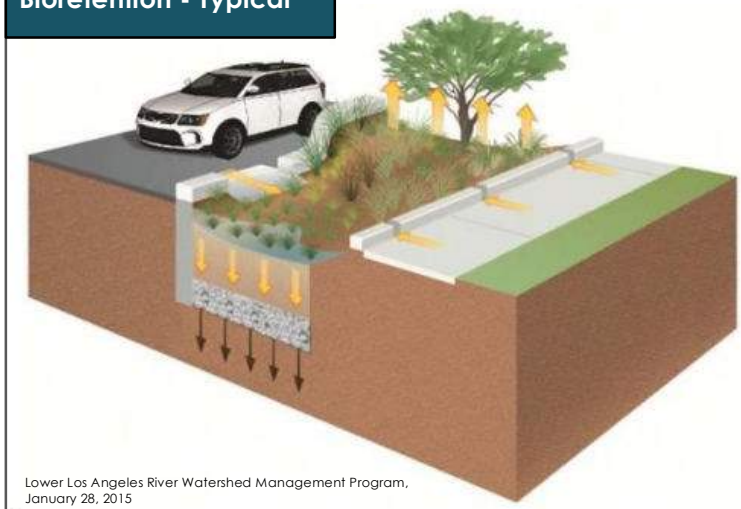
CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR46

Project Map

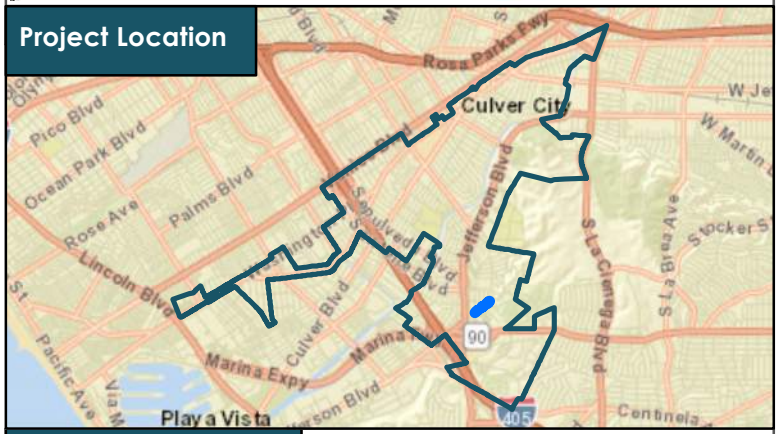
11/5/2020 JN \\Irvlcal1fs1\Irroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical



Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.12
Drainage Area (ac):		1.5
Depth to Groundwater (ft):		18
EWMP Equivalient Volume (ac-ft):		0.11
Cost Estimate:	$	73,678

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

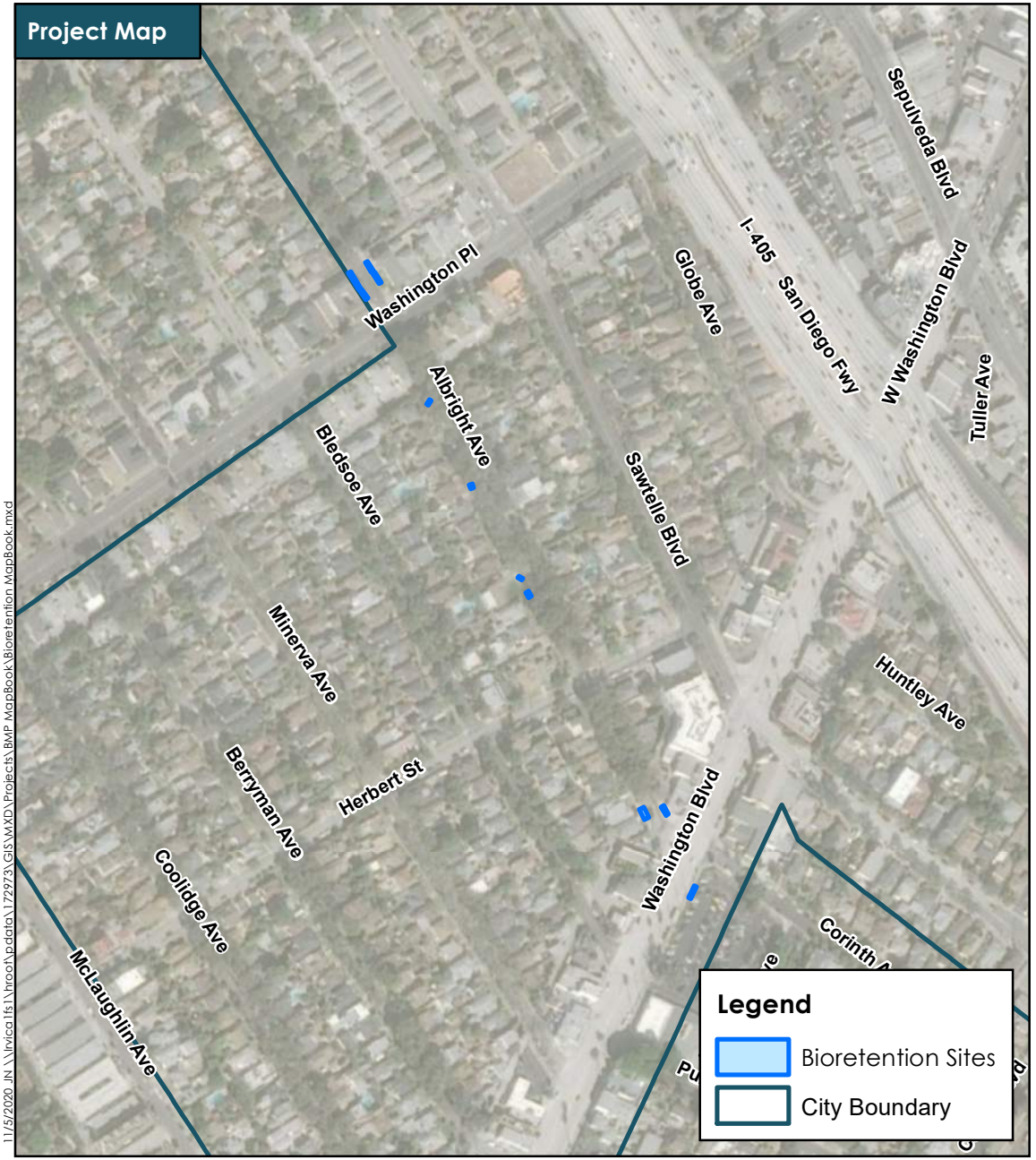
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

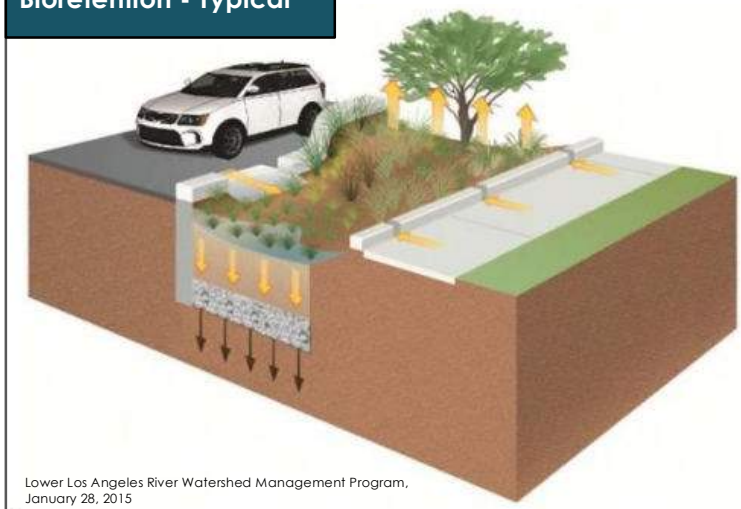
Bioretention Site: BR47

Project Map



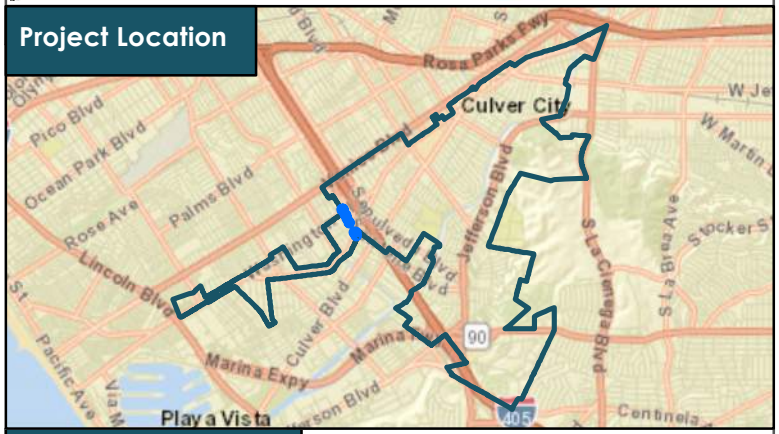
11/5/2020 JN \\Irvlcal1fs1\Inroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical



Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.04
Drainage Area (ac):		0.48
Depth to Groundwater (ft):		36
EWMP Equivalient Volume (ac-ft):		0.02
Cost Estimate:	$	23,426

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

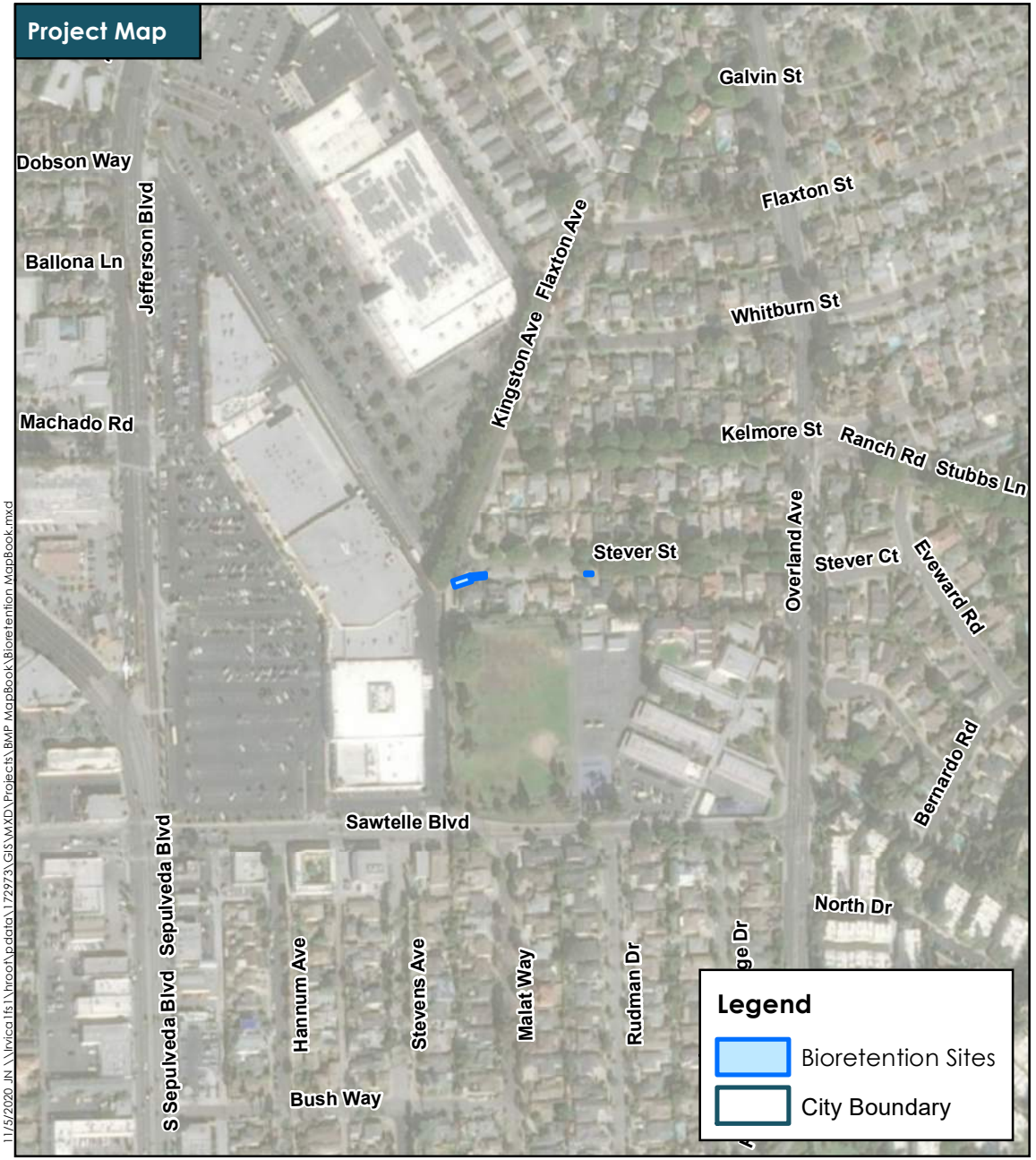
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR48

Project Map

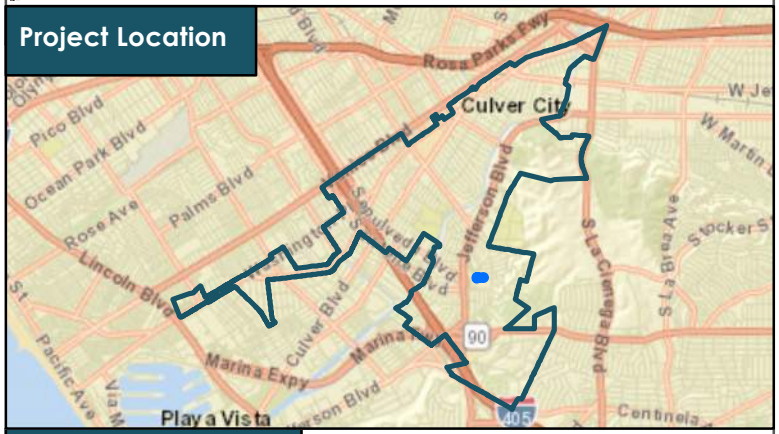


11/5/2020 JN \\Irvlca1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.03
Drainage Area (ac):		0.4
Depth to Groundwater (ft):		23
EWMP Equivalient Volume (ac-ft):		0.03
Cost Estimate:	$	19,533

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

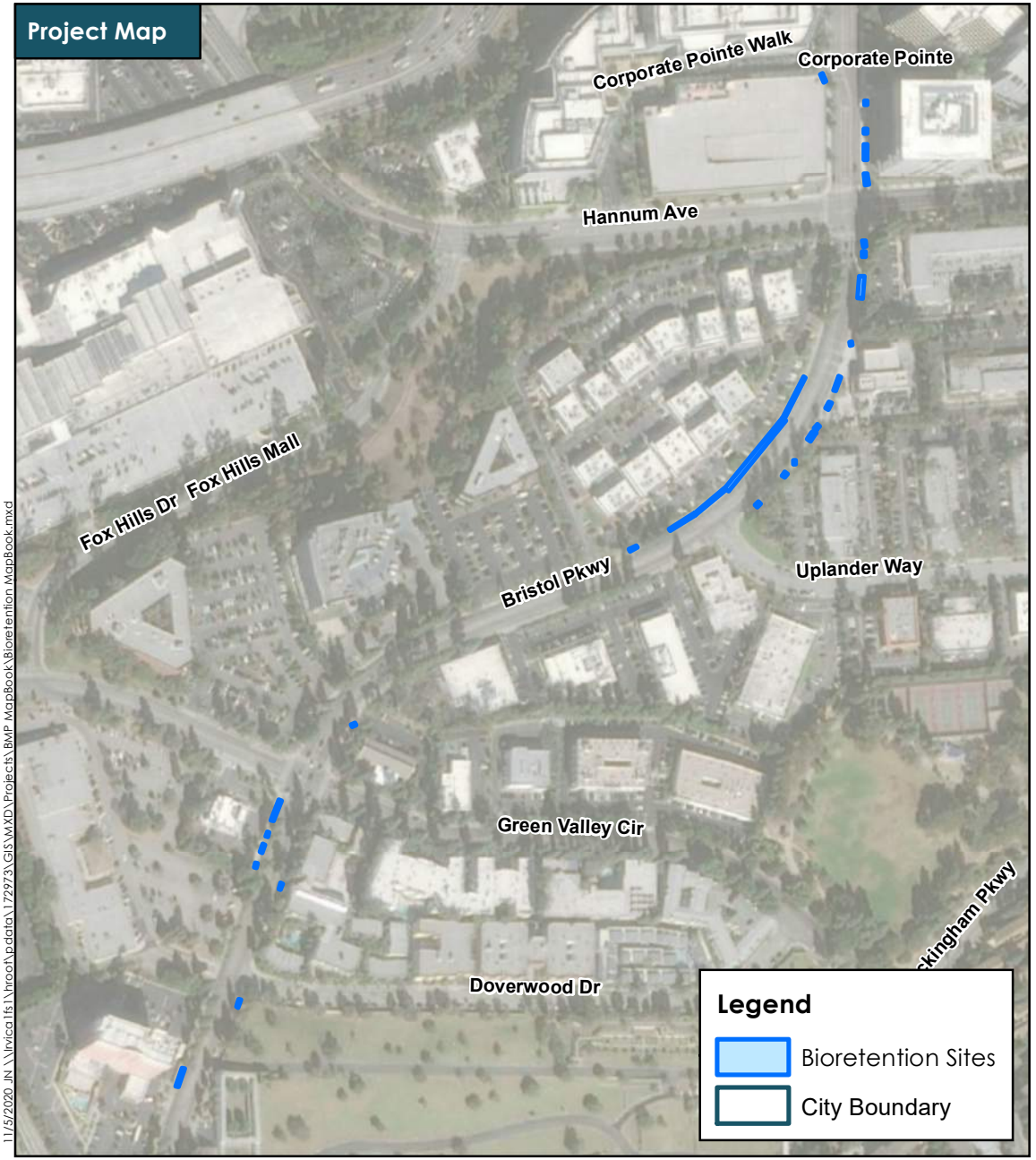
Source: City of Culver City

0 200 400 Feet

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR49

Project Map



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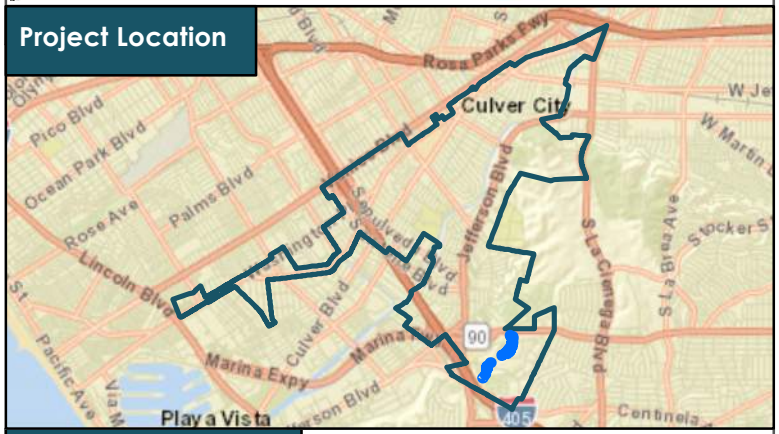
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.23
Drainage Area (ac):		2.77
Depth to Groundwater (ft):		74
EWMP Equivalient Volume (ac-ft):		0.22
Cost Estimate:	$	135,815

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

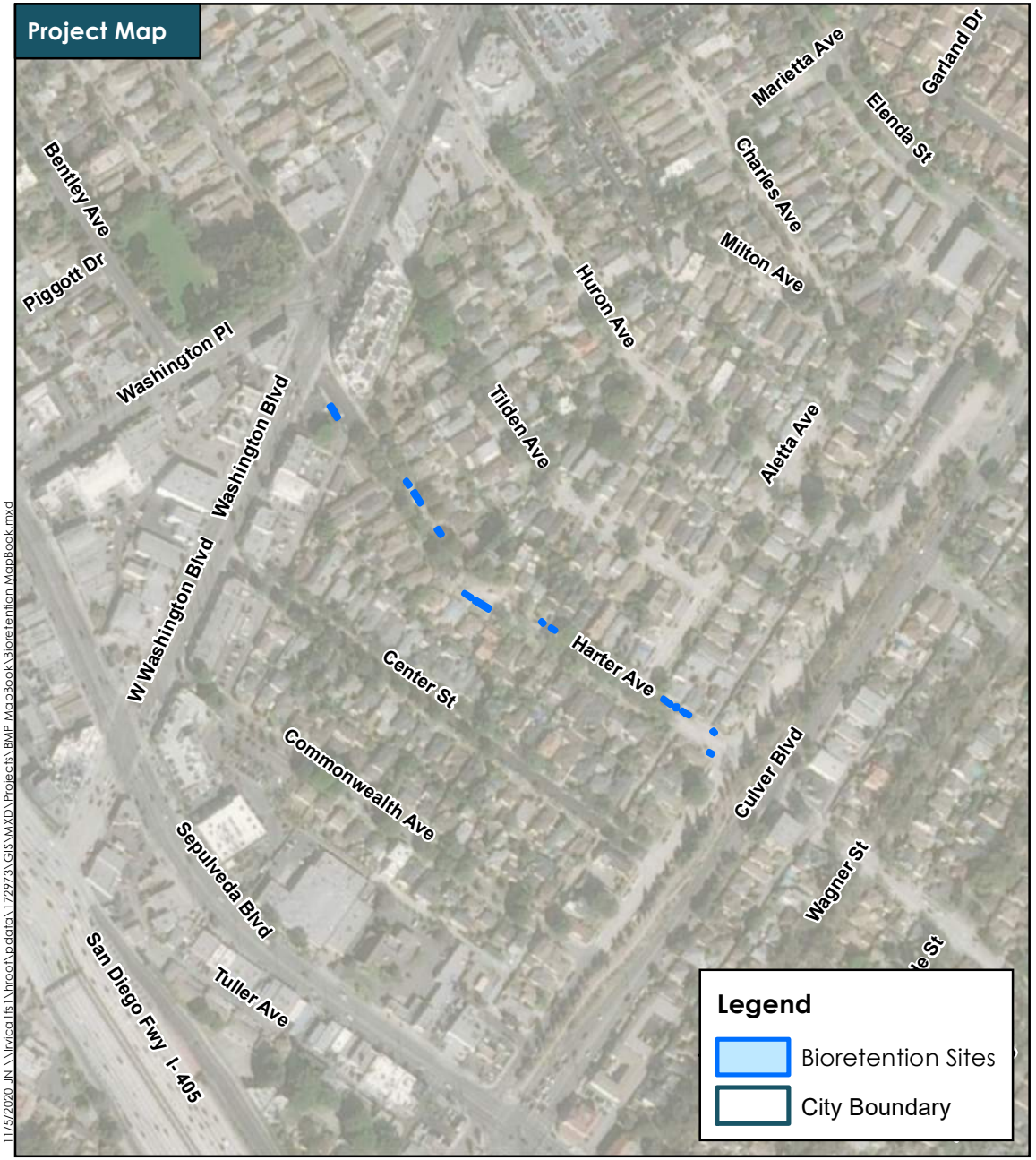
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR50

Project Map

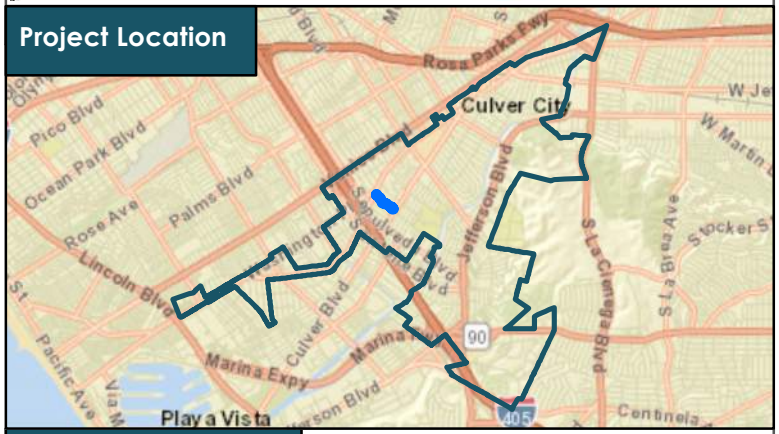


11/5/2020 JN \\Irvlcal1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.03
Drainage Area (ac):		0.41
Depth to Groundwater (ft):		25
EWMP Equivalient Volume (ac-ft):		0.02
Cost Estimate:	$	19,901

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

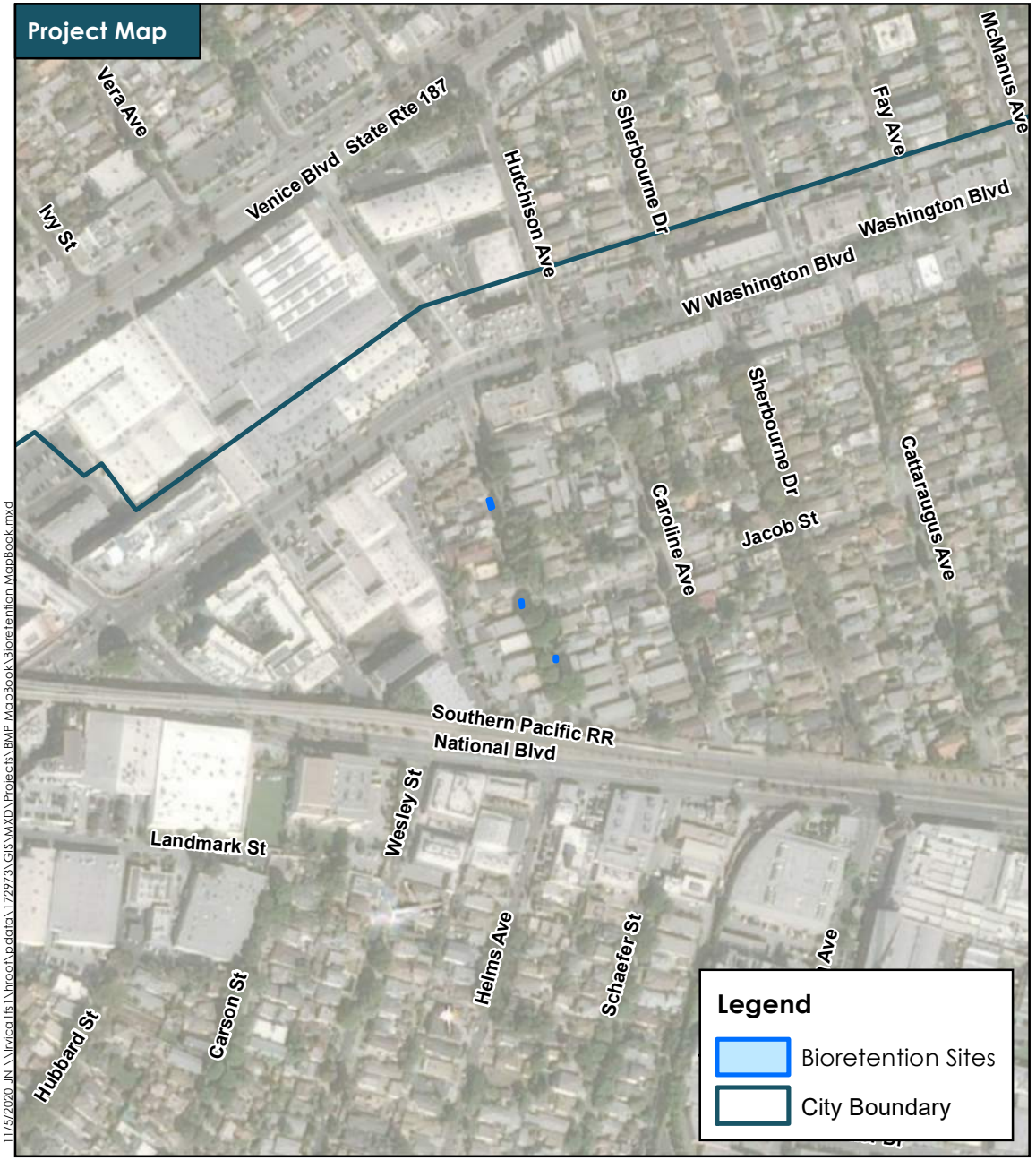
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR51

Project Map



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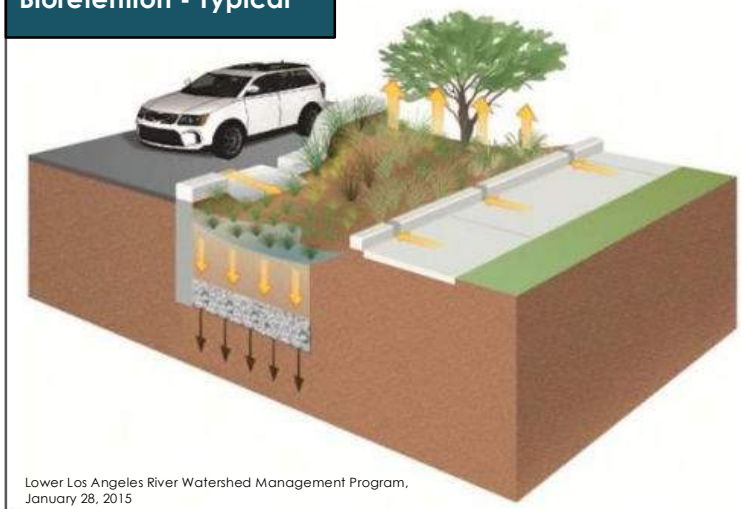
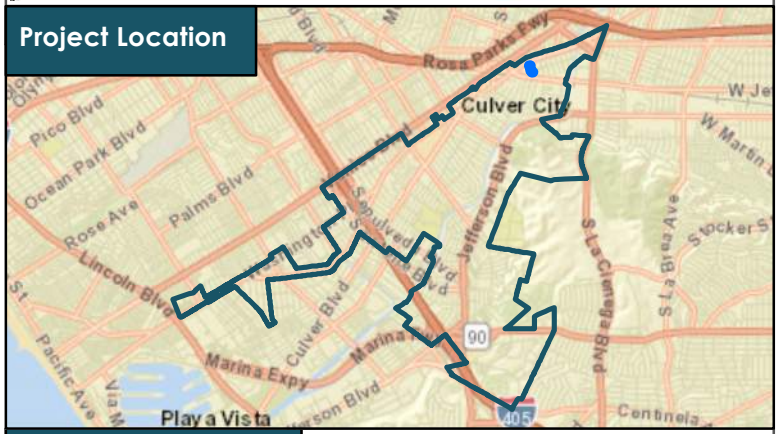
Bioretention - Typical



Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0
Drainage Area (ac):		0.06
Depth to Groundwater (ft):		52
EWMP Equivalient Volume (ac-ft):		0
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

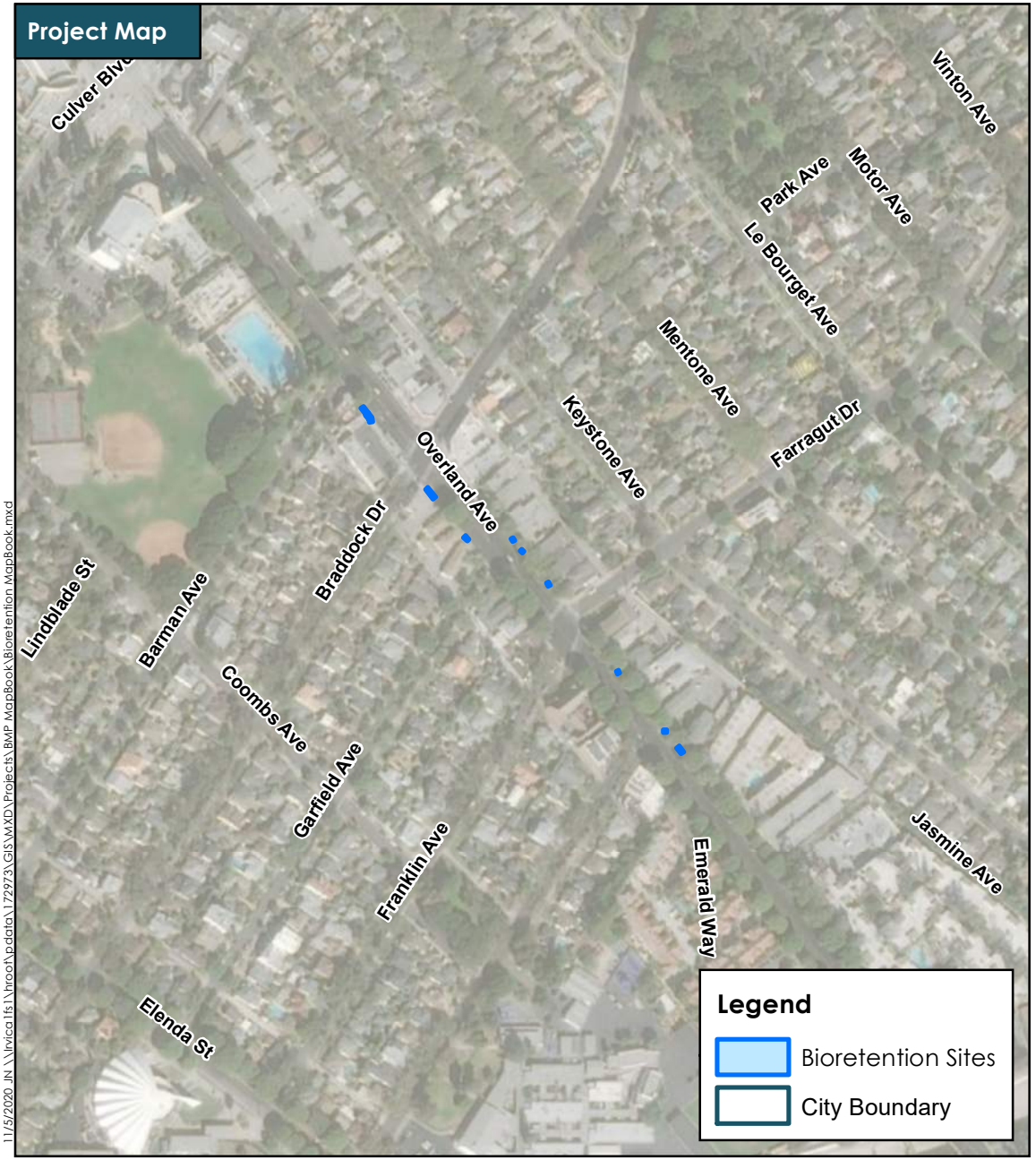
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR52

Project Map



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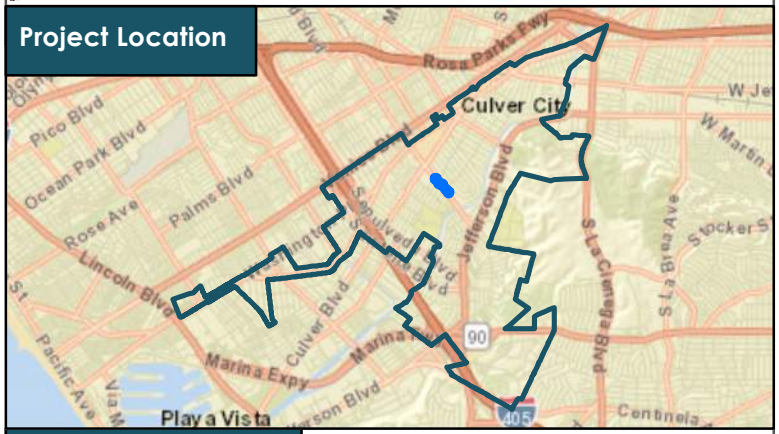
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.03
Drainage Area (ac):		0.33
Depth to Groundwater (ft):		29
EWMP Equivalient Volume (ac-ft):		0.01
Cost Estimate:	$	16,259

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

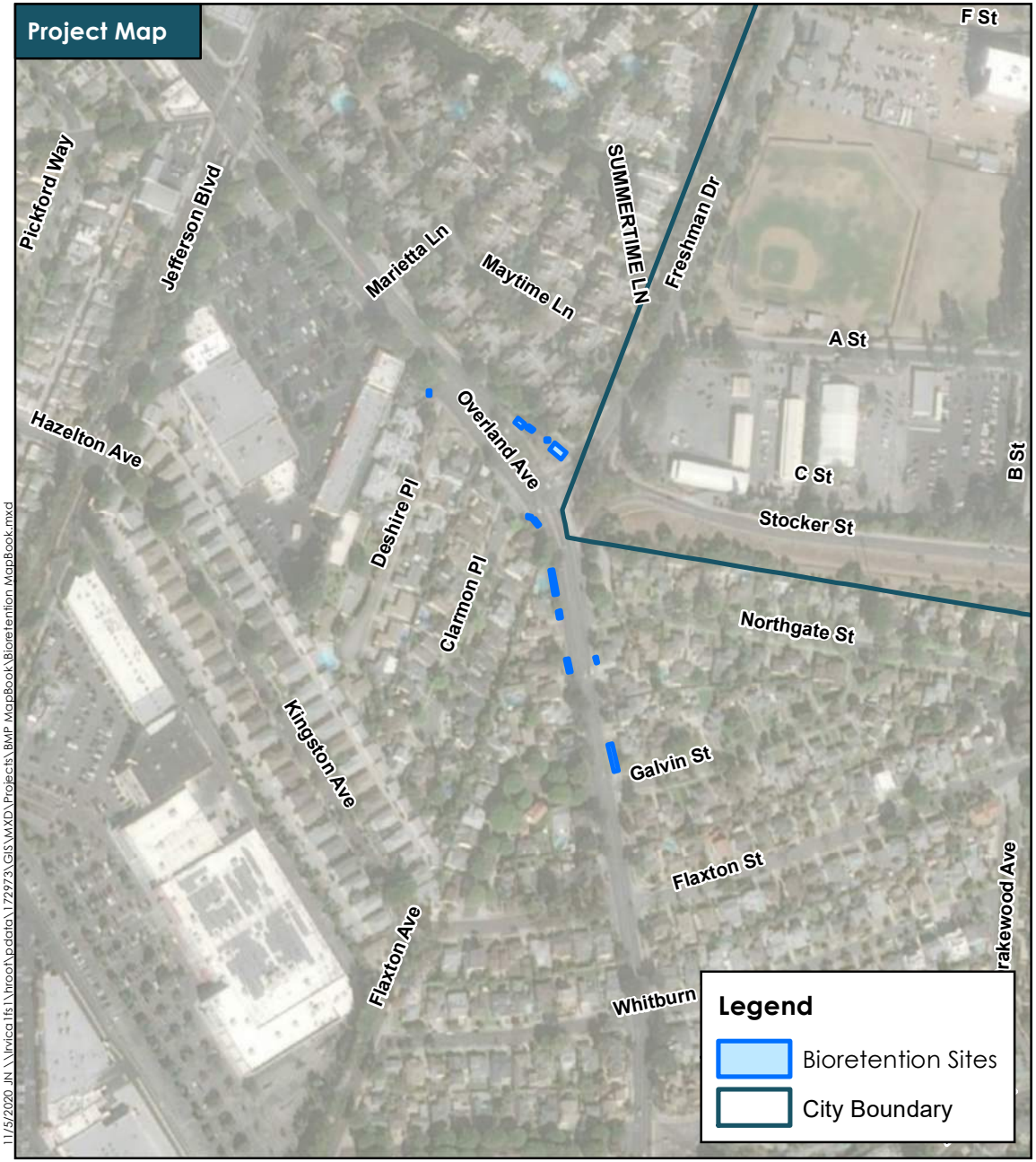
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR53

Project Map



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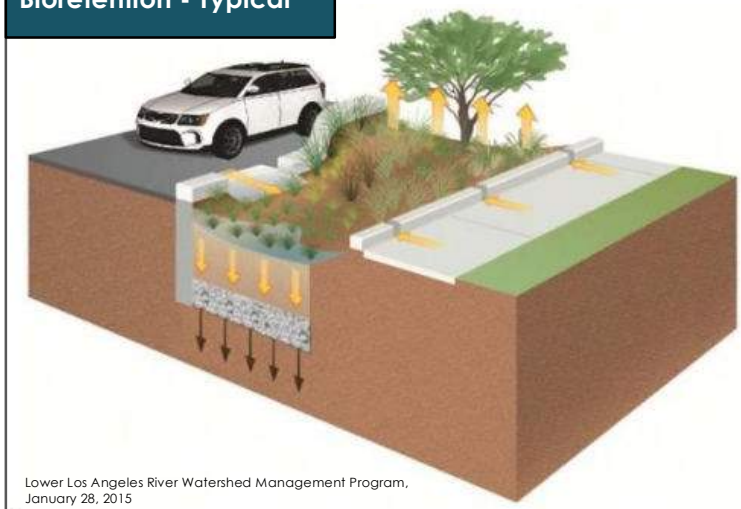
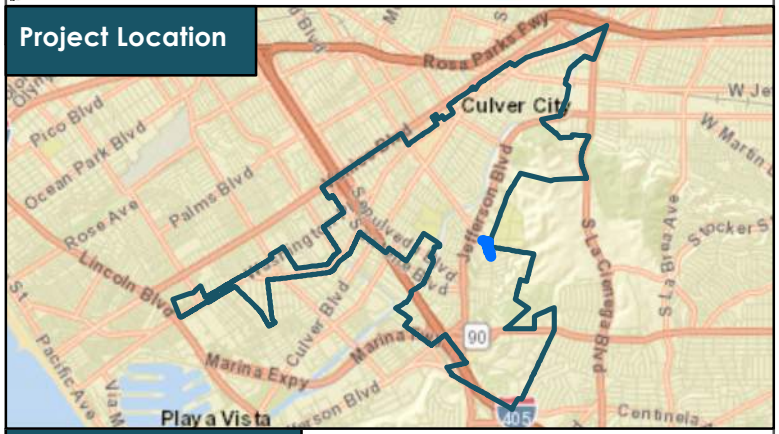
Bioretention - Typical



Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.1
Drainage Area (ac):		1.17
Depth to Groundwater (ft):		37
EWMP Equivalient Volume (ac-ft):		0.09
Cost Estimate:	$	57,180

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

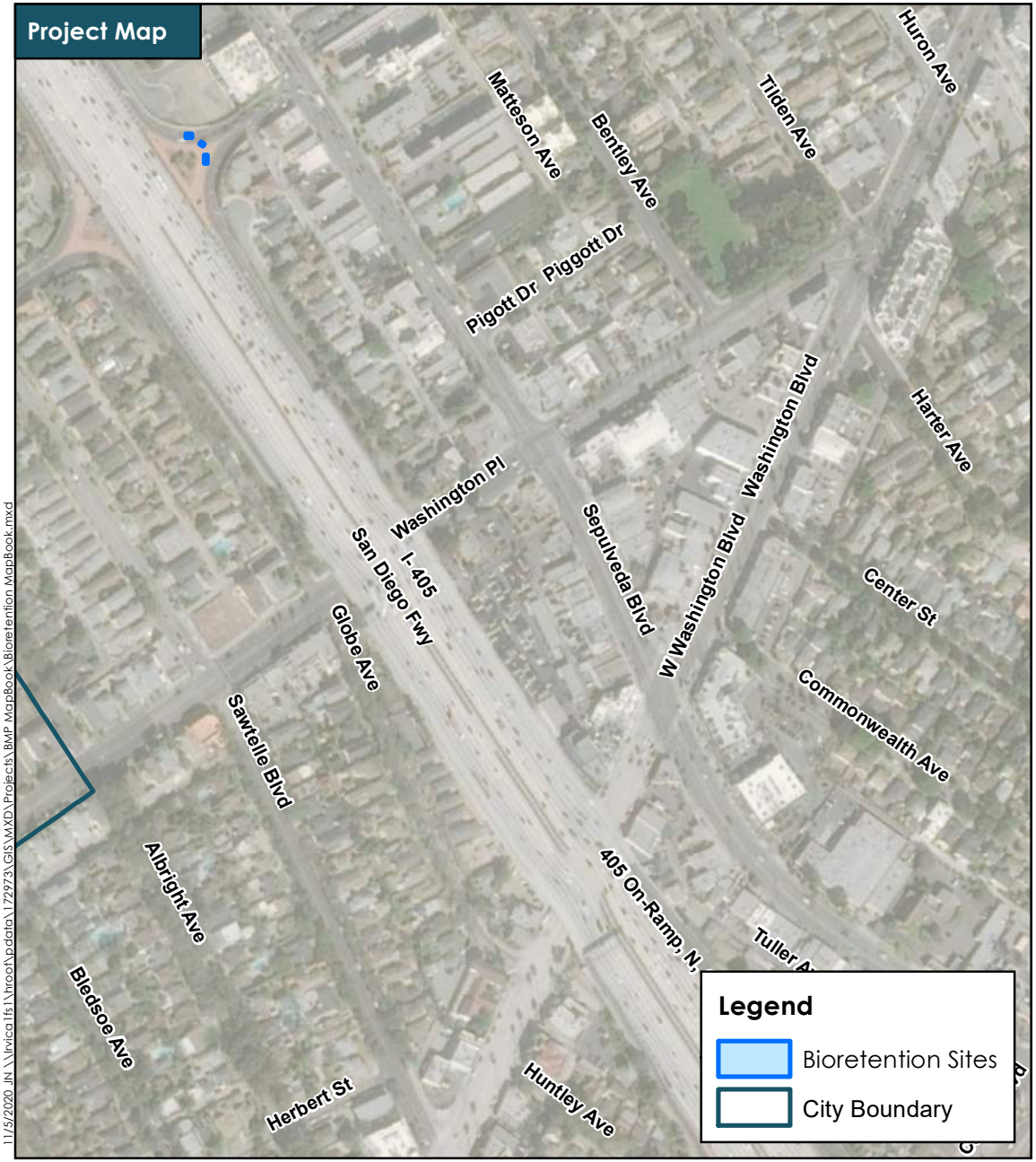
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

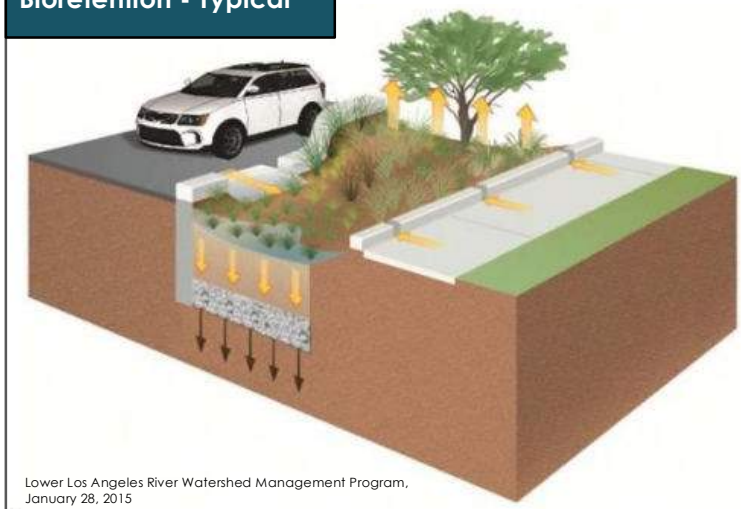
Bioretention Site: BR54

Project Map



11/5/2020 JN \\Irvlocal1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical



Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location

Project Information

Storage Capcity (ac-ft):		0.02
Drainage Area (ac):		0.2
Depth to Groundwater (ft):		25
EWMP Equivalient Volume (ac-ft):		0.01
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR55

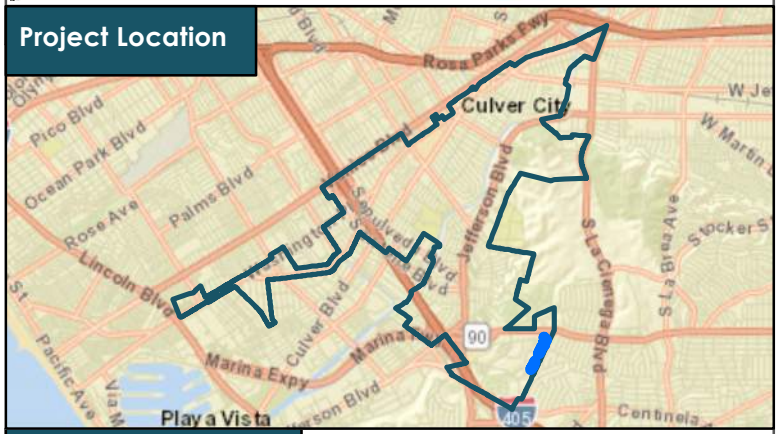
Project Map

11/5/2020 JN \\Irvlocal1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.17
Drainage Area (ac):		2.09
Depth to Groundwater (ft):		74
EWMP Equivalient Volume (ac-ft):		0.06
Cost Estimate:	$	102,552

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

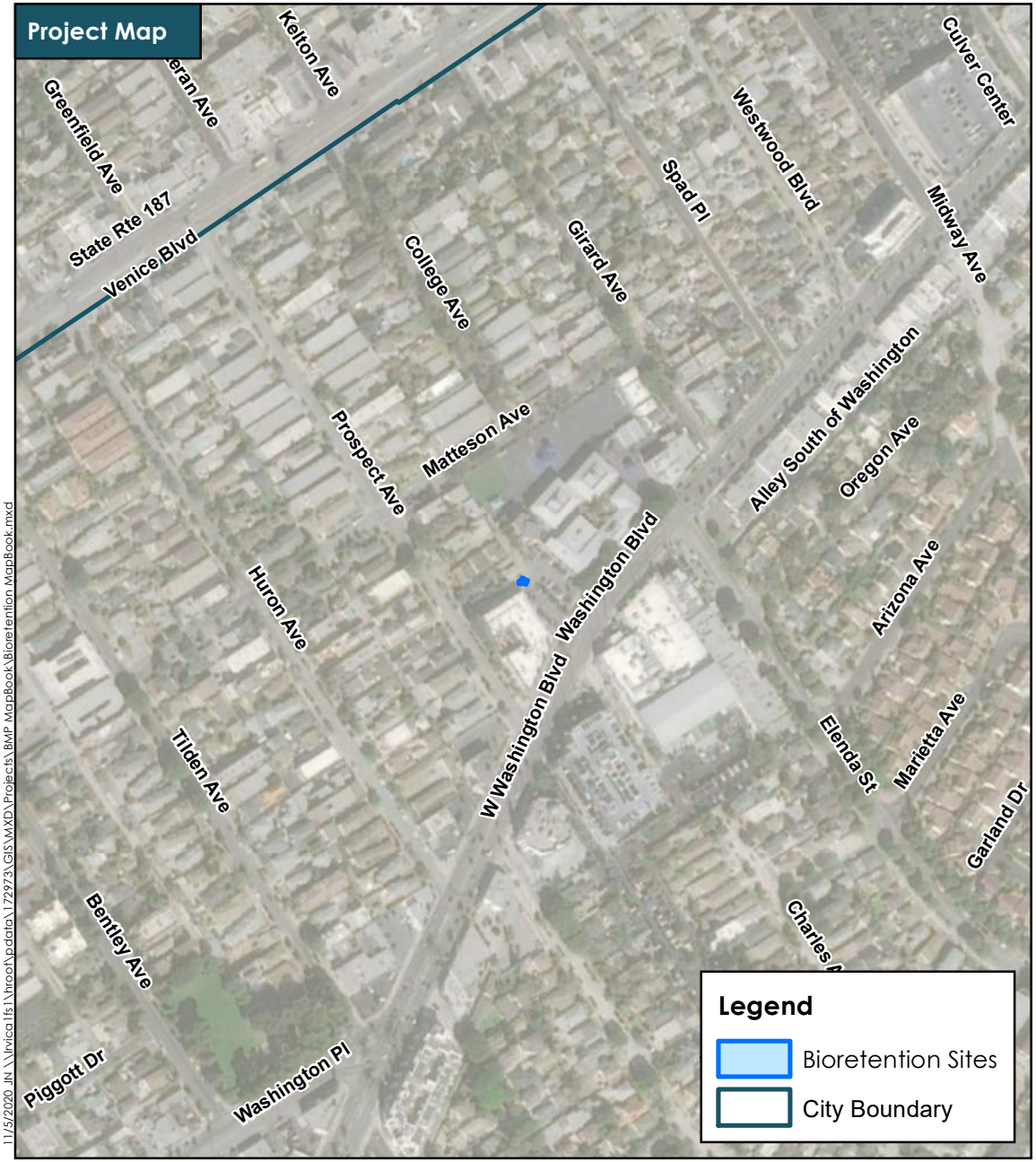
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR56

Project Map

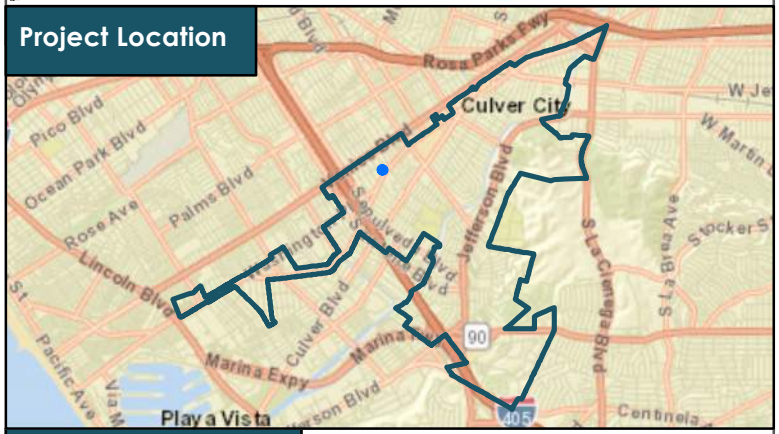


11/5/2020 JN \\Irvinca1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.01
Drainage Area (ac):		0.07
Depth to Groundwater (ft):		31
EWMP Equivalient Volume (ac-ft):		0
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

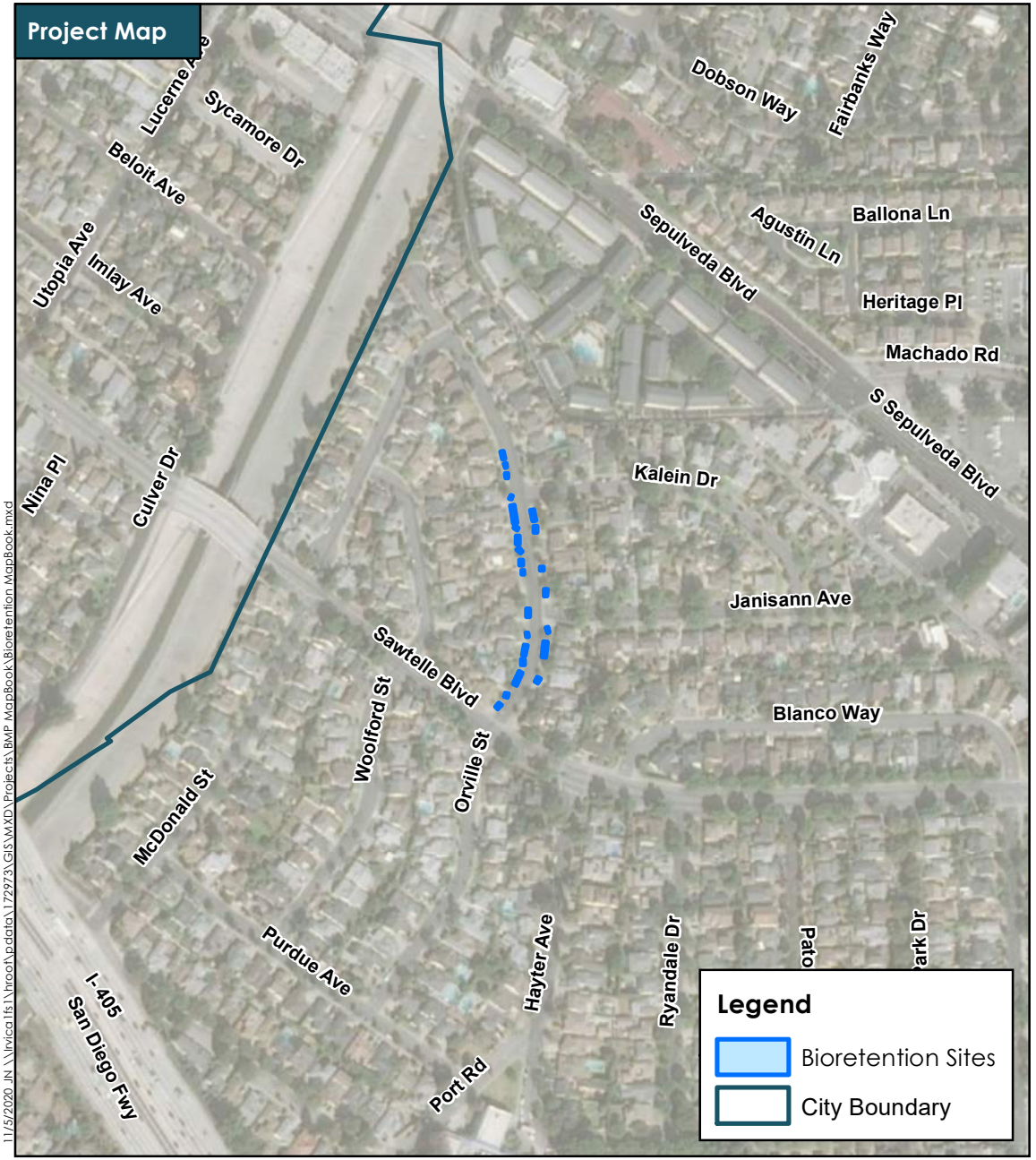
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR57

Project Map



11/5/2020 JN \\Irvinca1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location

Project Information

Storage Capcity (ac-ft):		0.09
Drainage Area (ac):		1.06
Depth to Groundwater (ft):		18
EWMP Equivalient Volume (ac-ft):		0.08
Cost Estimate:	$	51,860

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

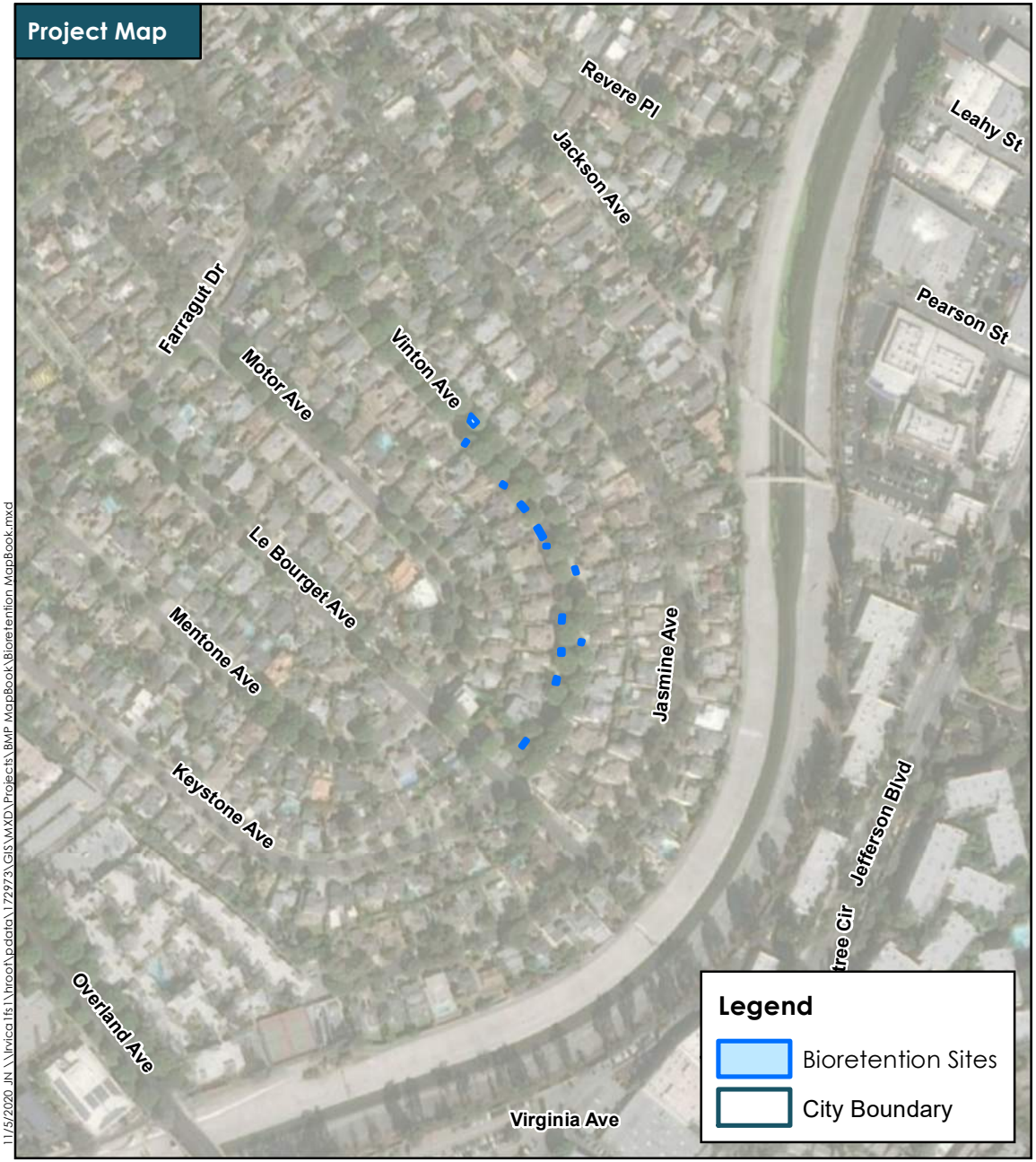
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR58

Project Map

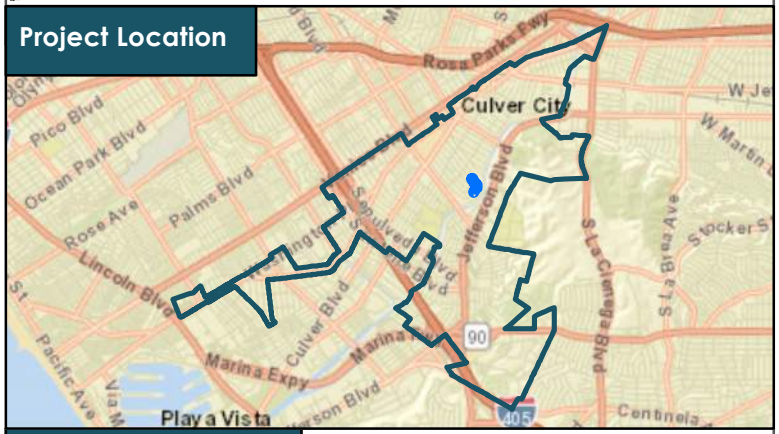


11/5/2020 JN \\Irvlcal1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.05
Drainage Area (ac):		0.58
Depth to Groundwater (ft):		29
EWMP Equivalient Volume (ac-ft):		0.02
Cost Estimate:	$	28,313

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

Michael Baker INTERNATIONAL

BLUE OCEAN CIVIL CONSULTING

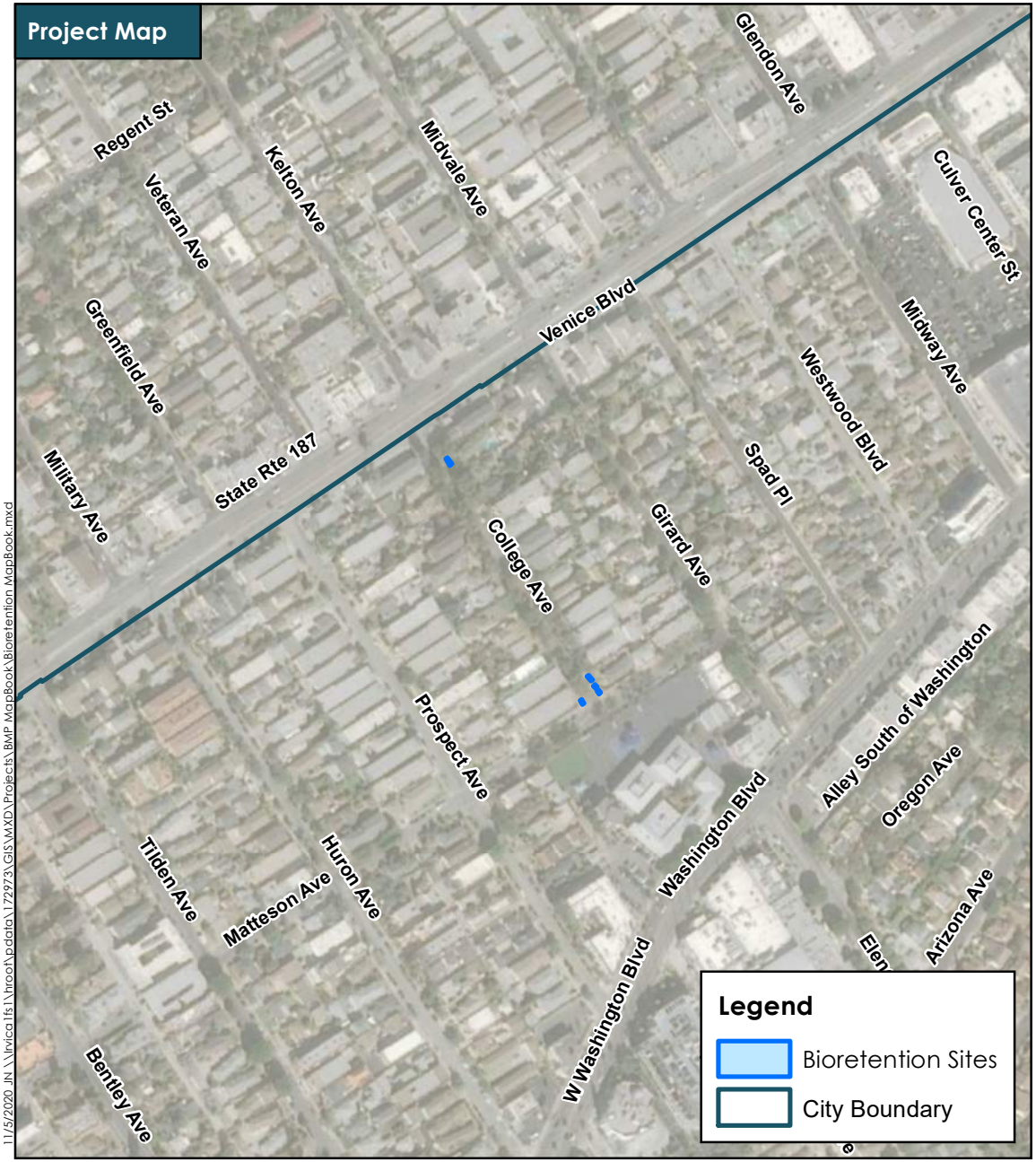
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR59

Project Map

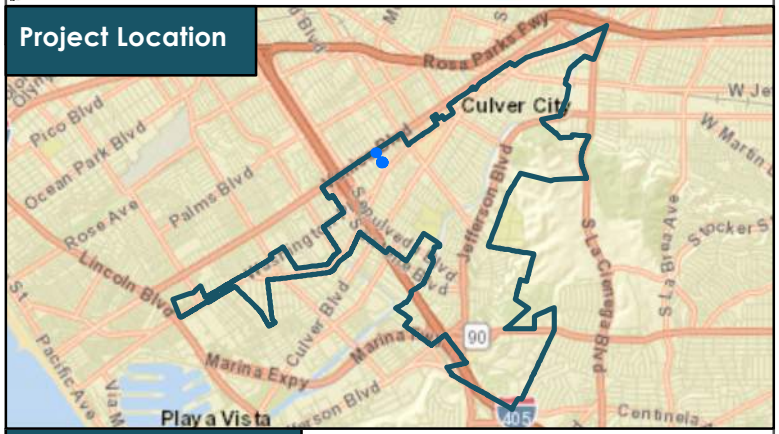


11/5/2020 JN \\Irvlca1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.01
Drainage Area (ac):		0.07
Depth to Groundwater (ft):		56
EWMP Equivalient Volume (ac-ft):		0
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

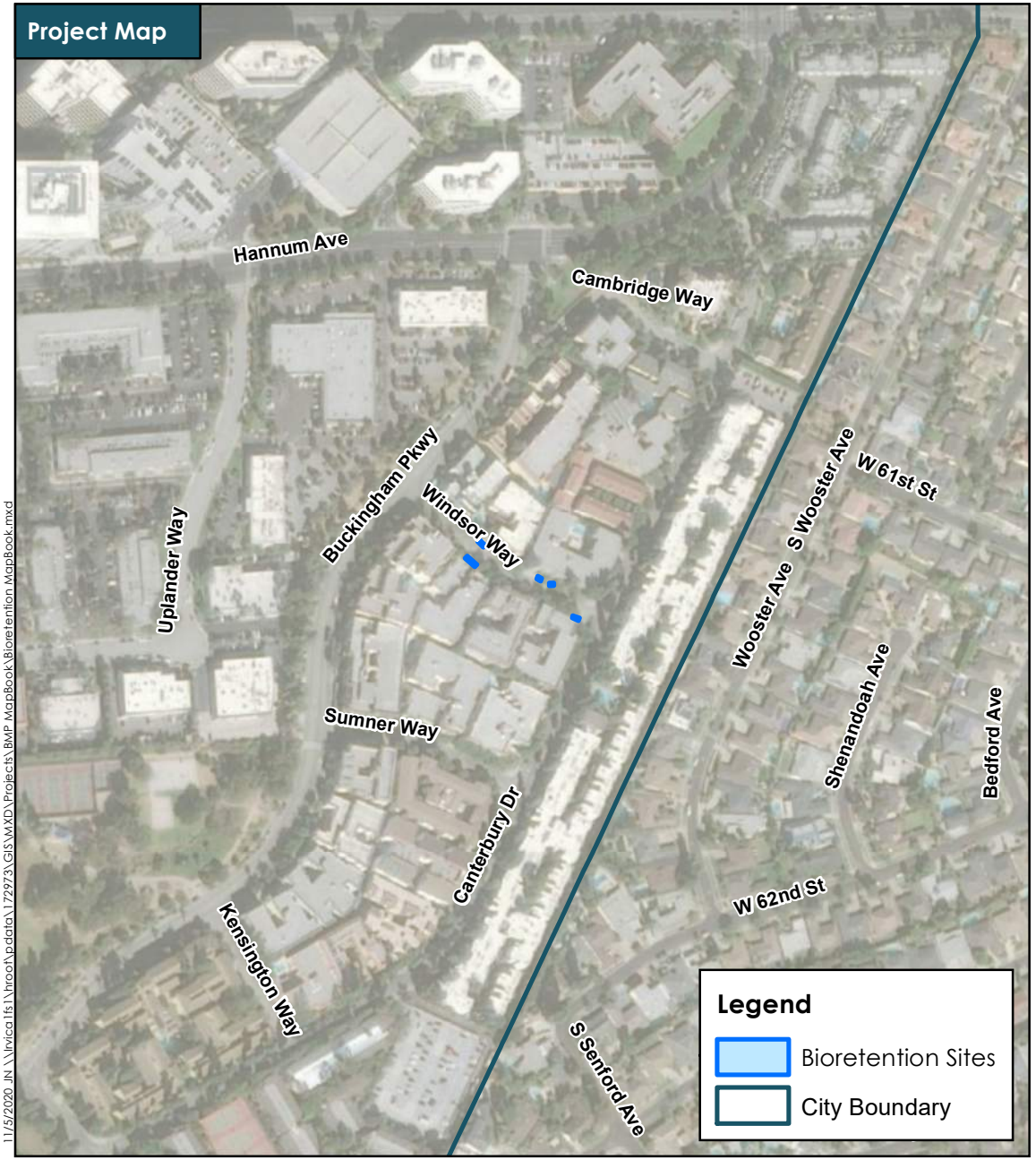
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR60

Project Map



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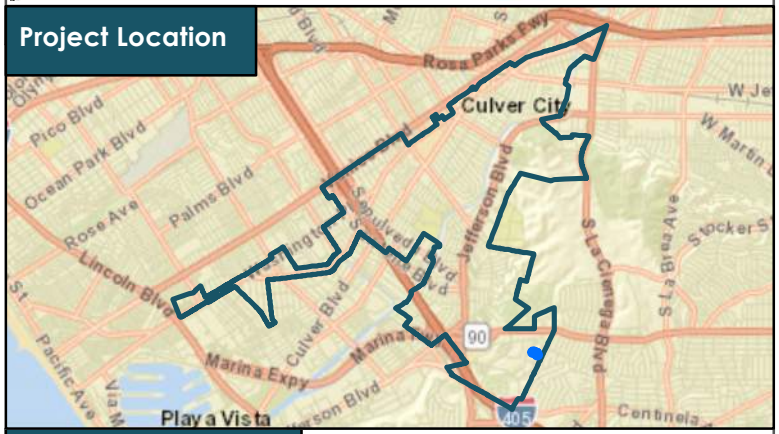
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.01
Drainage Area (ac):		0.13
Depth to Groundwater (ft):		92
EWMP Equivalient Volume (ac-ft):		0
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

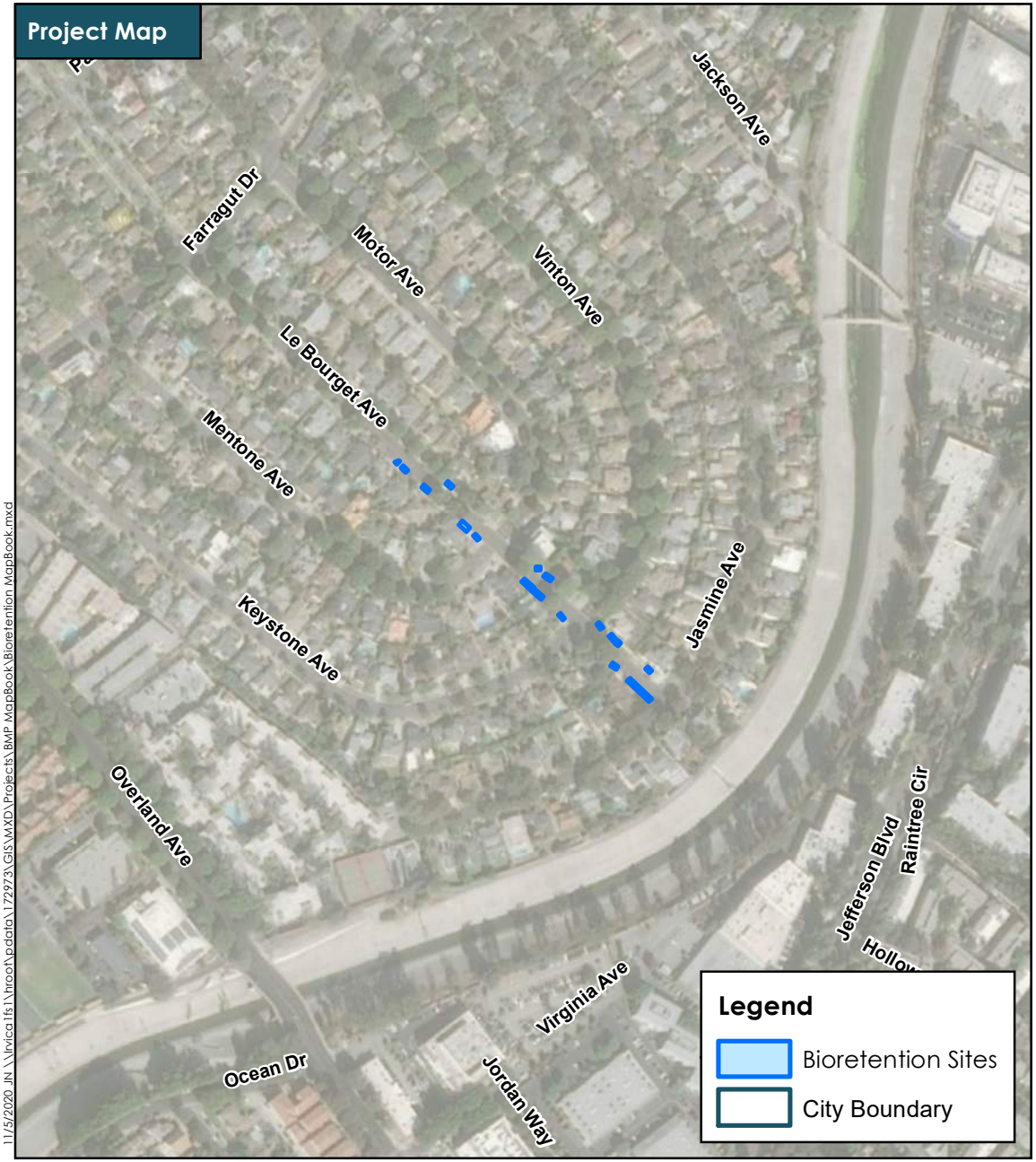
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR61

Project Map



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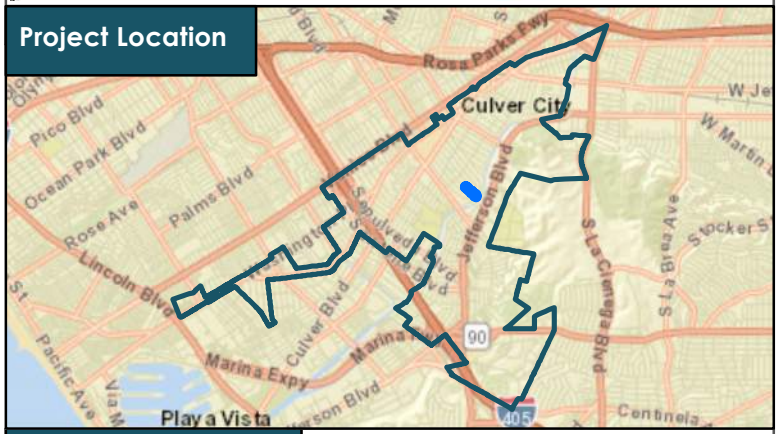
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.11
Drainage Area (ac):		1.34
Depth to Groundwater (ft):		26
EWMP Equivalient Volume (ac-ft):		0.04
Cost Estimate:	$	65,848

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

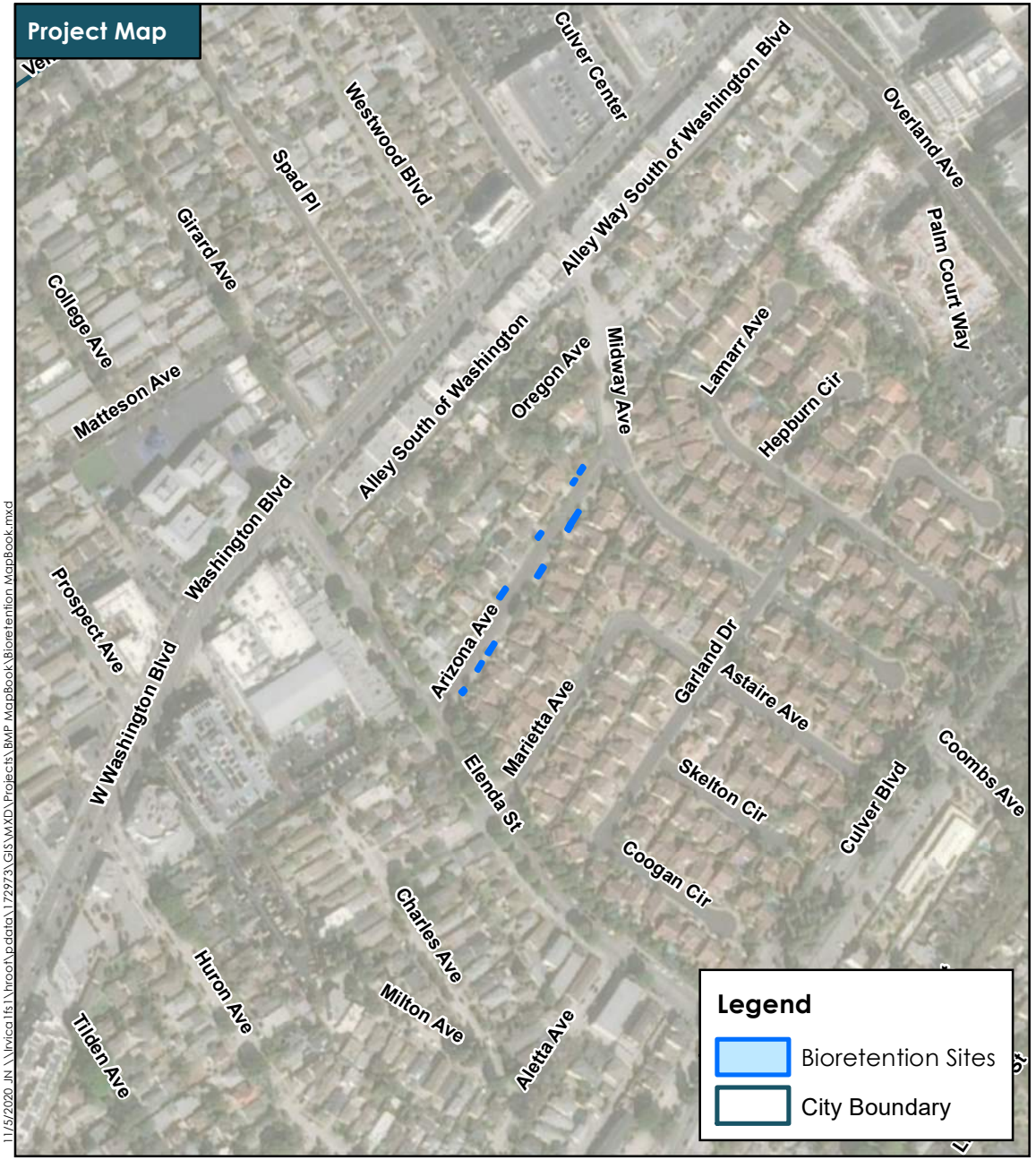
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR62

Project Map



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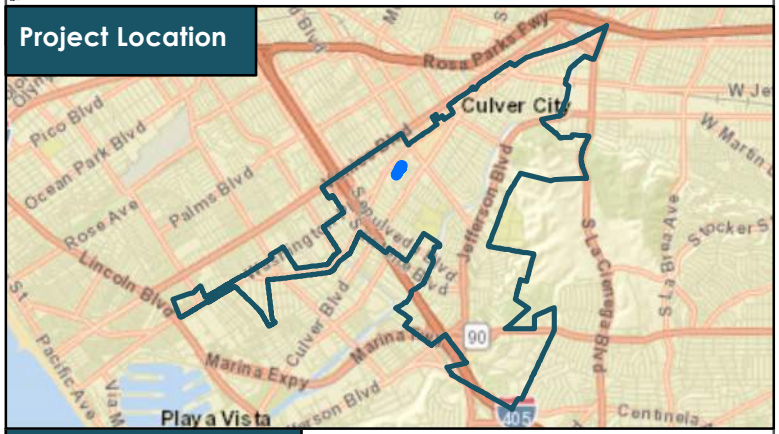
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.04
Drainage Area (ac):		0.43
Depth to Groundwater (ft):		20
EWMP Equivalient Volume (ac-ft):		0.02
Cost Estimate:	$	21,084

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

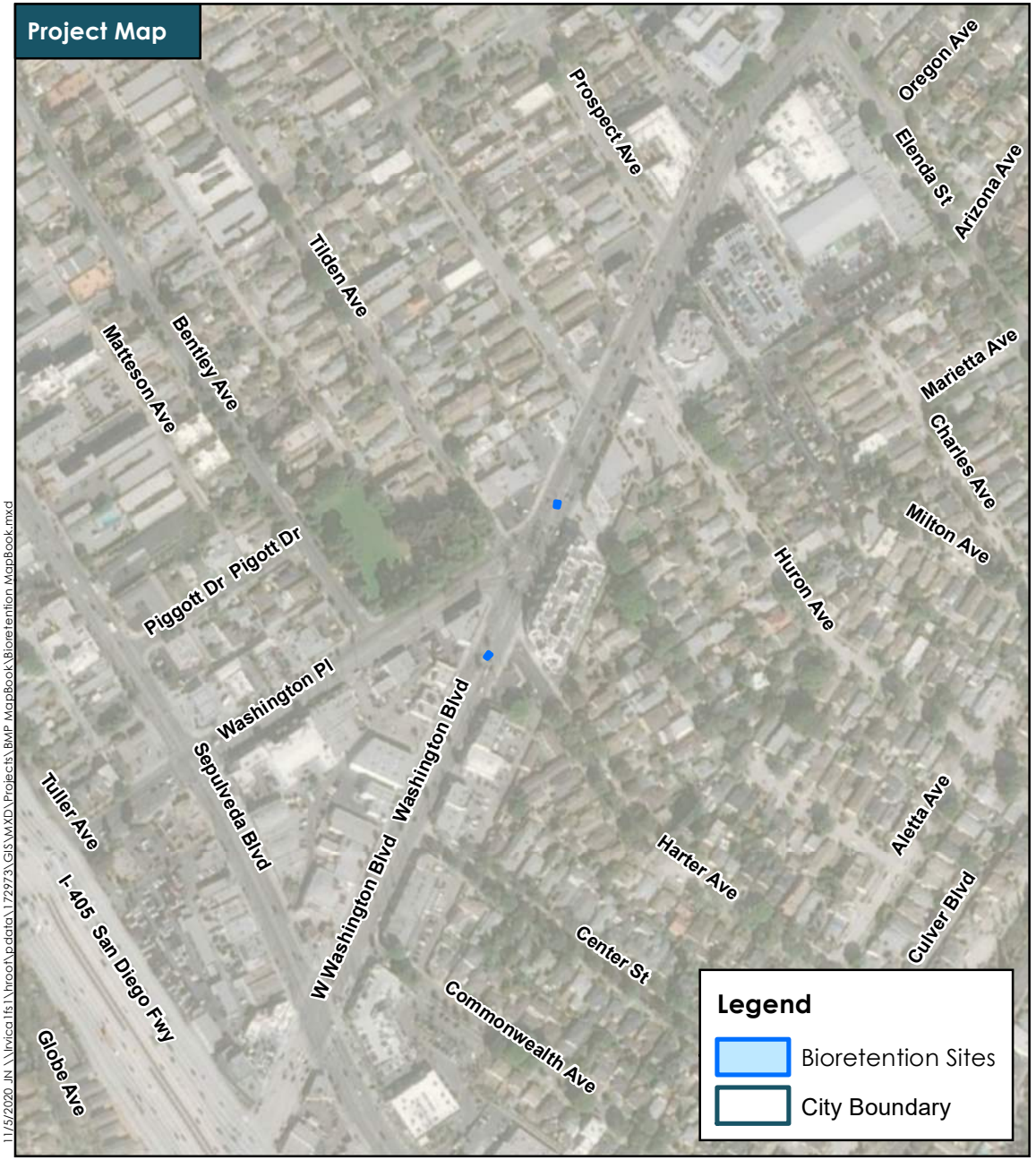
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR63

Project Map



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Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location

Project Information

Storage Capcity (ac-ft):		0.01
Drainage Area (ac):		0.08
Depth to Groundwater (ft):		23
EWMP Equivalient Volume (ac-ft):		0
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

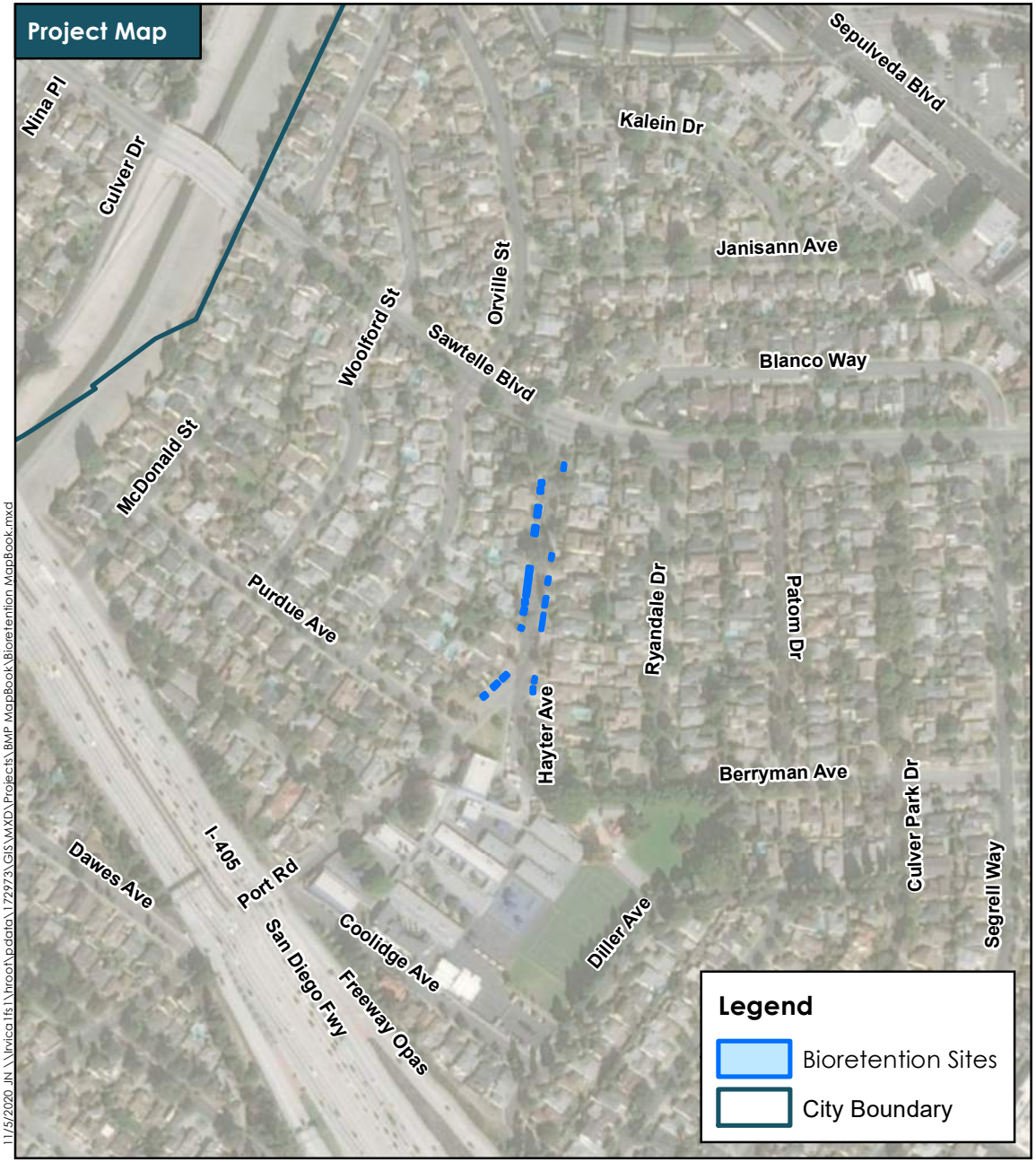
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR64

Project Map



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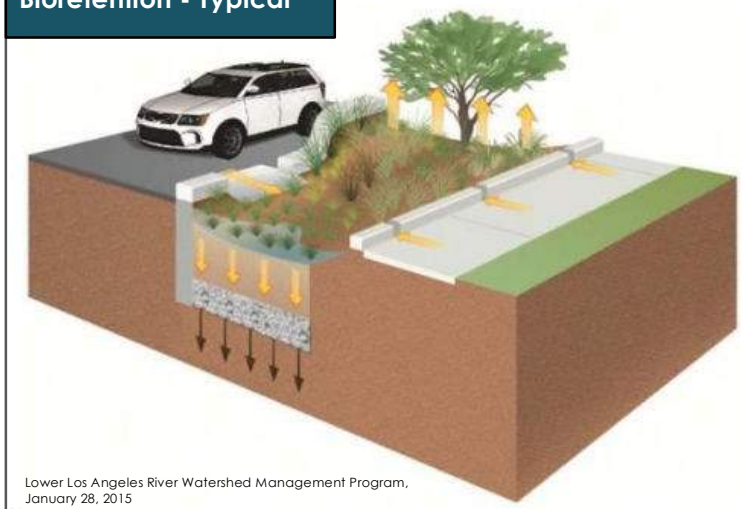
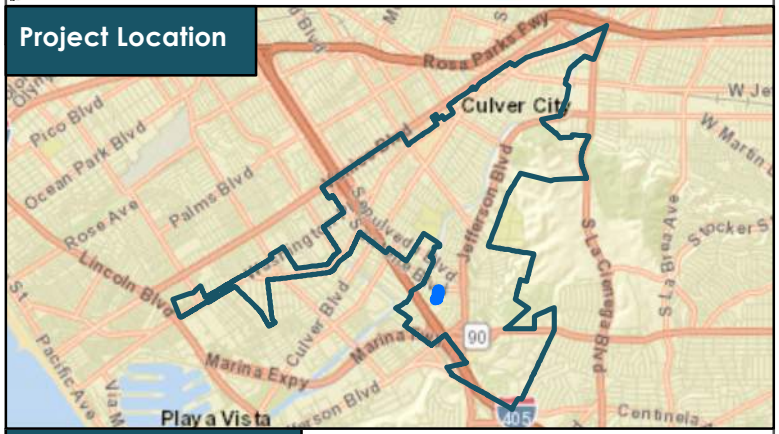
Bioretention - Typical



Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.07
Drainage Area (ac):		0.88
Depth to Groundwater (ft):		18
EWMP Equivalient Volume (ac-ft):		0.06
Cost Estimate:	$	43,253

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

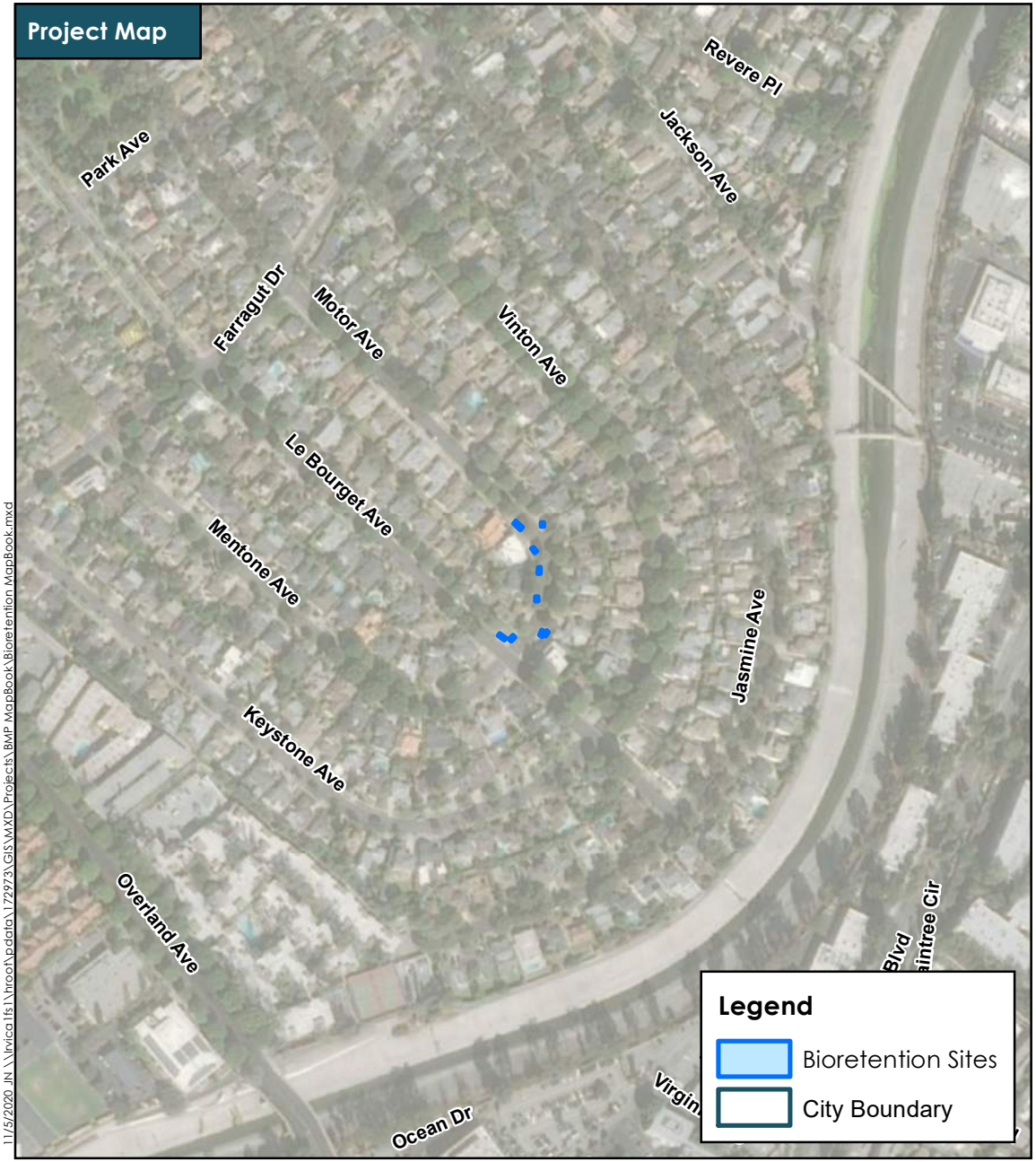
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR65

Project Map



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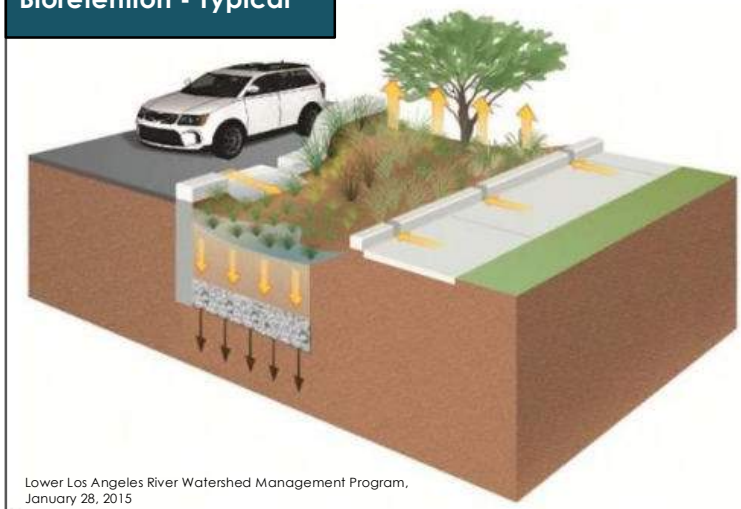
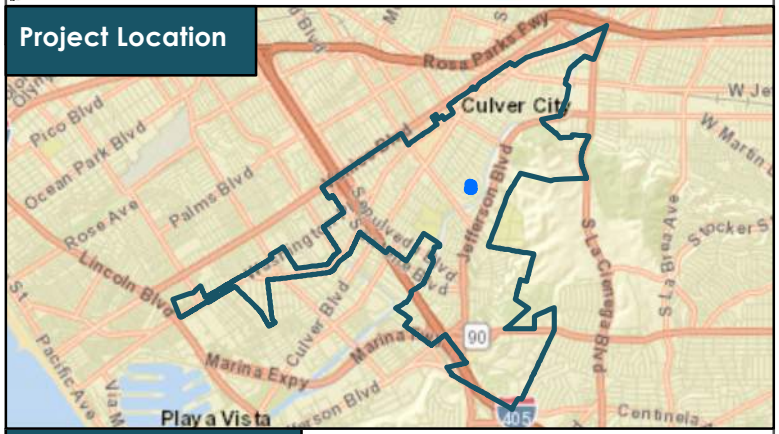
Bioretention - Typical



Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.02
Drainage Area (ac):		0.25
Depth to Groundwater (ft):		28
EWMP Equivalient Volume (ac-ft):		0.01
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

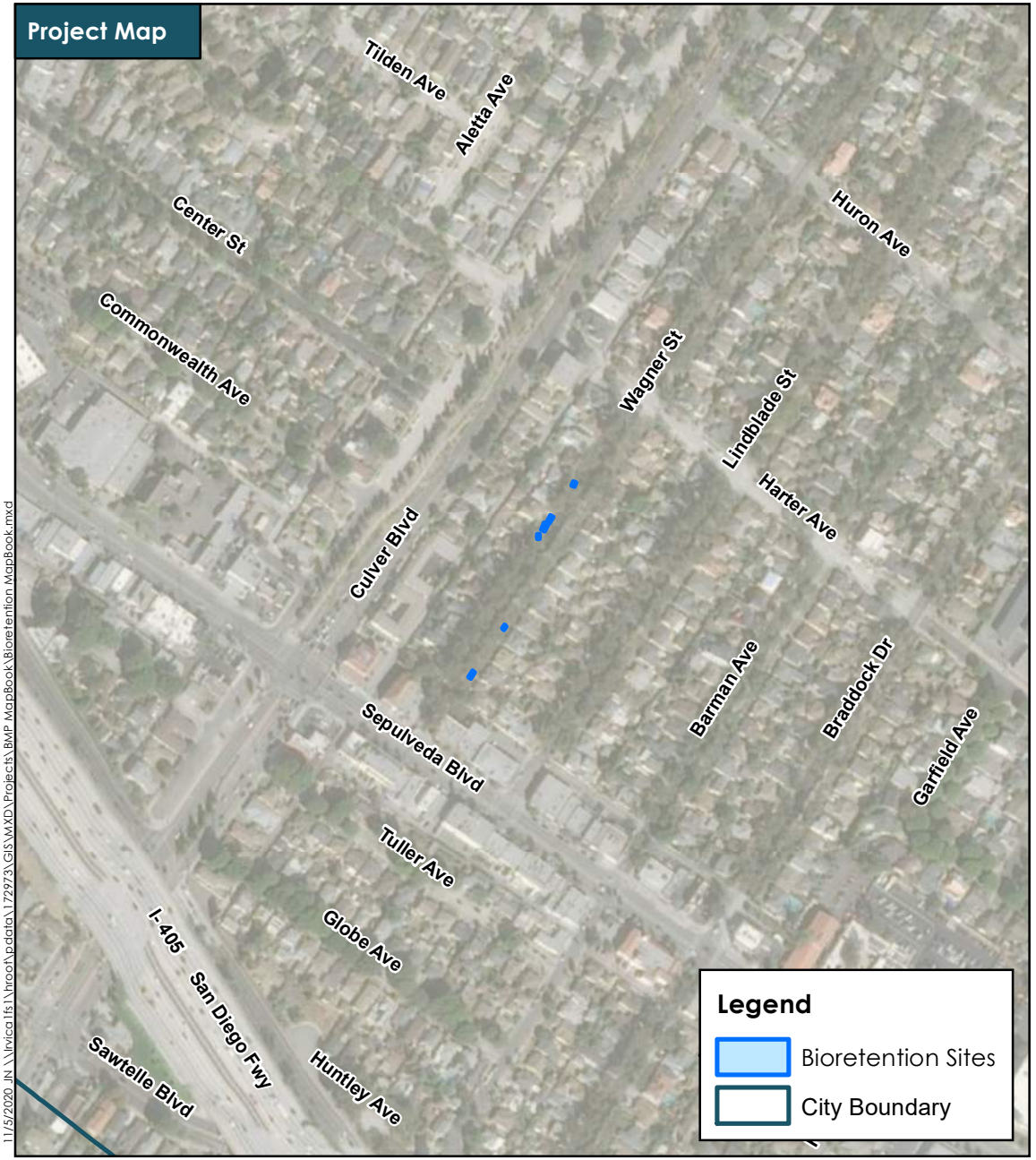
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR66

Project Map



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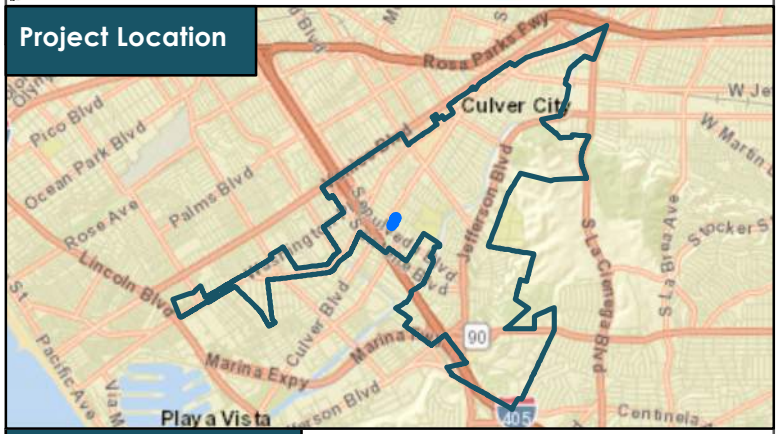
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.01
Drainage Area (ac):		0.18
Depth to Groundwater (ft):		22
EWMP Equivalient Volume (ac-ft):		0.01
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

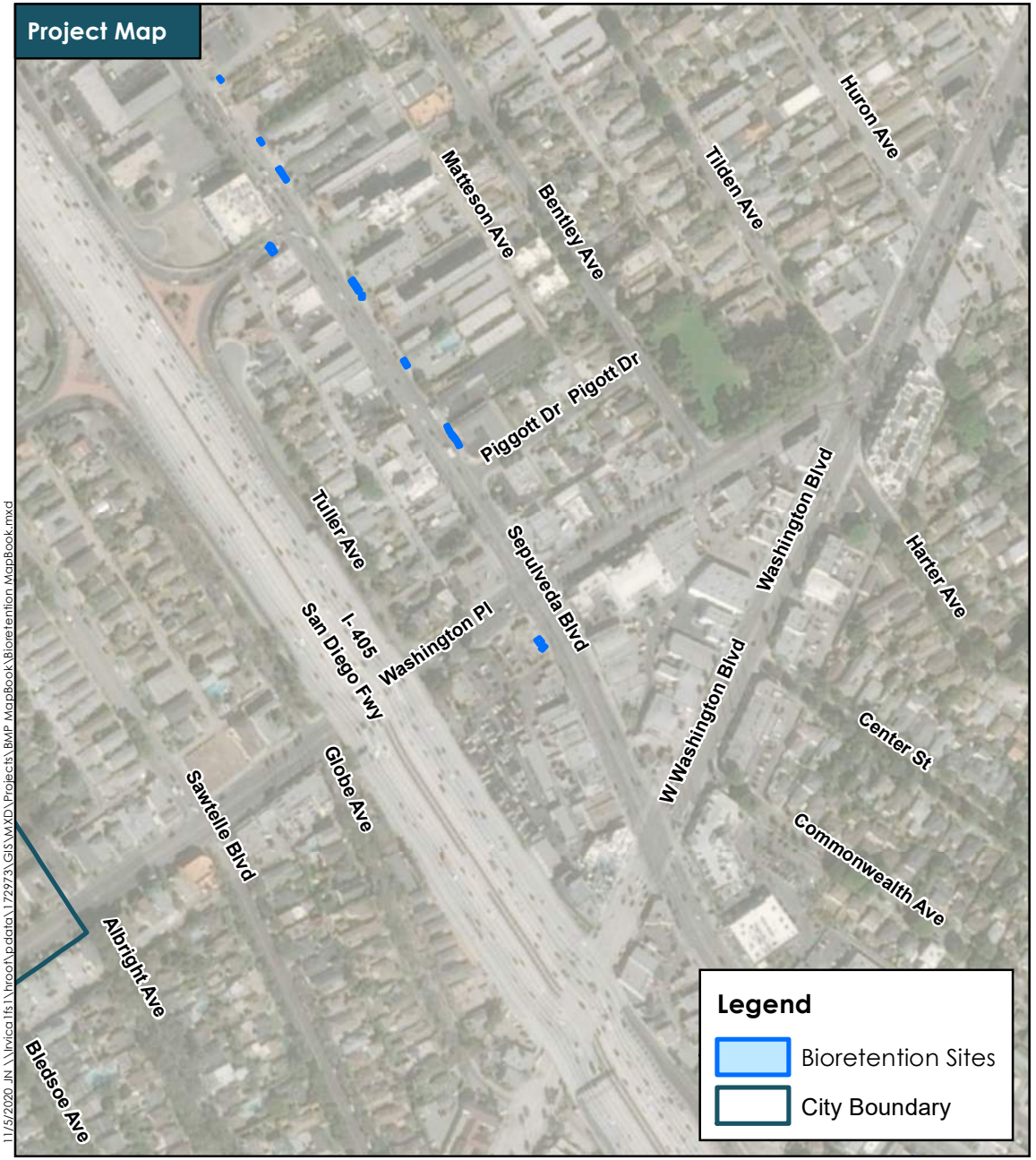
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR67

Project Map



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Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location

Project Information

Storage Capcity (ac-ft):		0.11
Drainage Area (ac):		1.37
Depth to Groundwater (ft):		24
EWMP Equivalient Volume (ac-ft):		0.06
Cost Estimate:	$	67,347

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

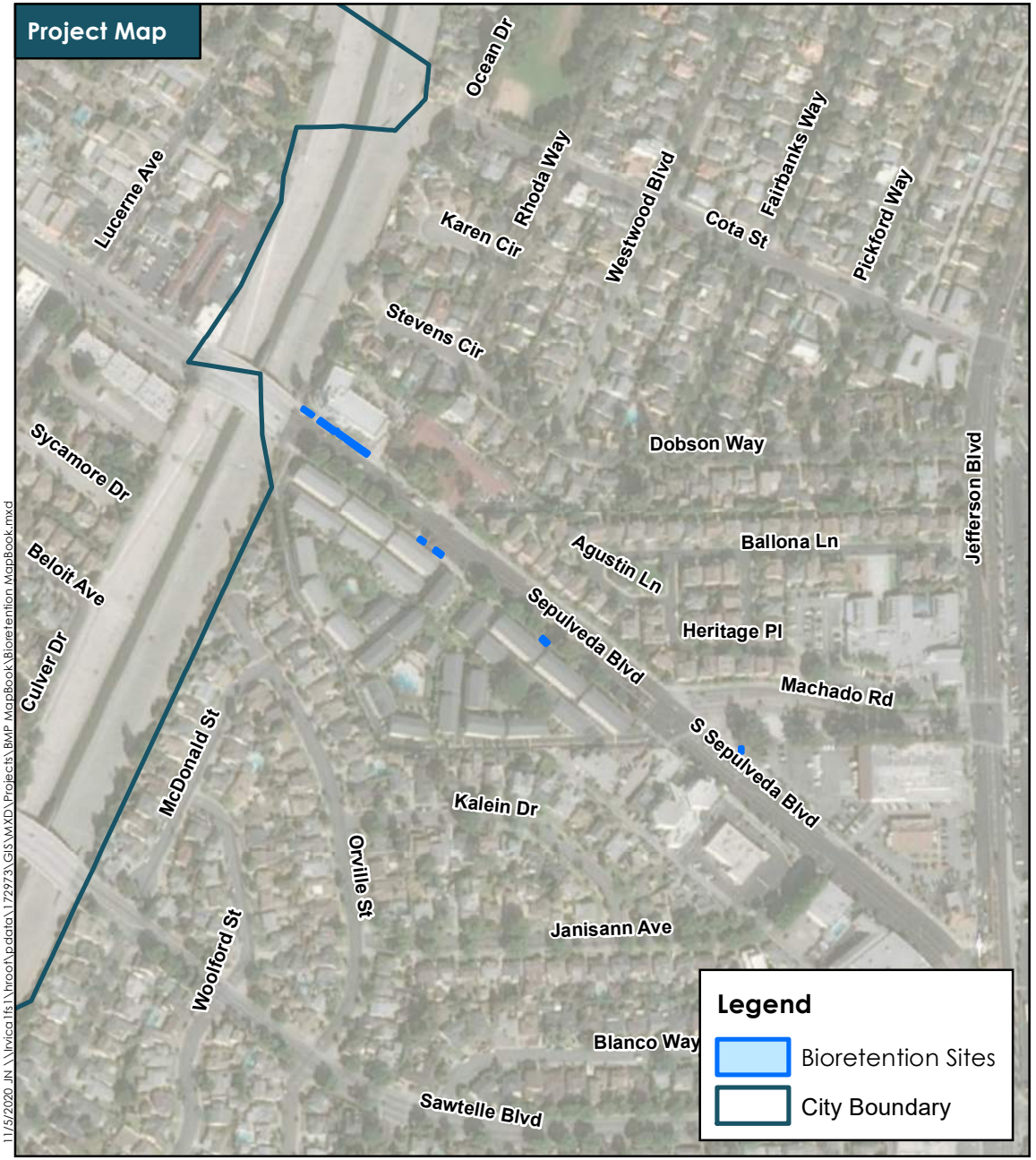
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR68

Project Map



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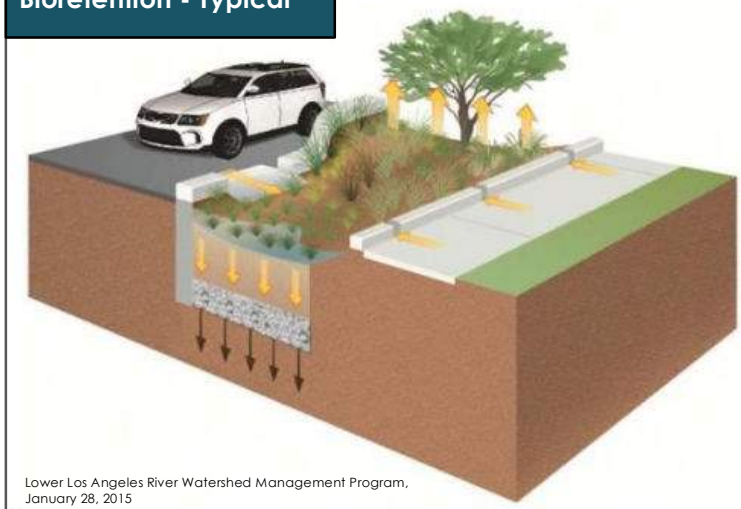
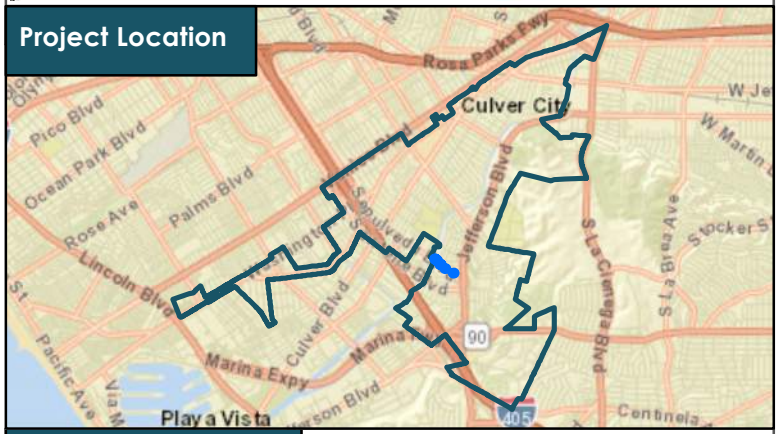
Bioretention - Typical



Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.05
Drainage Area (ac):		0.66
Depth to Groundwater (ft):		25
EWMP Equivalient Volume (ac-ft):		0.05
Cost Estimate:	$	32,591

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

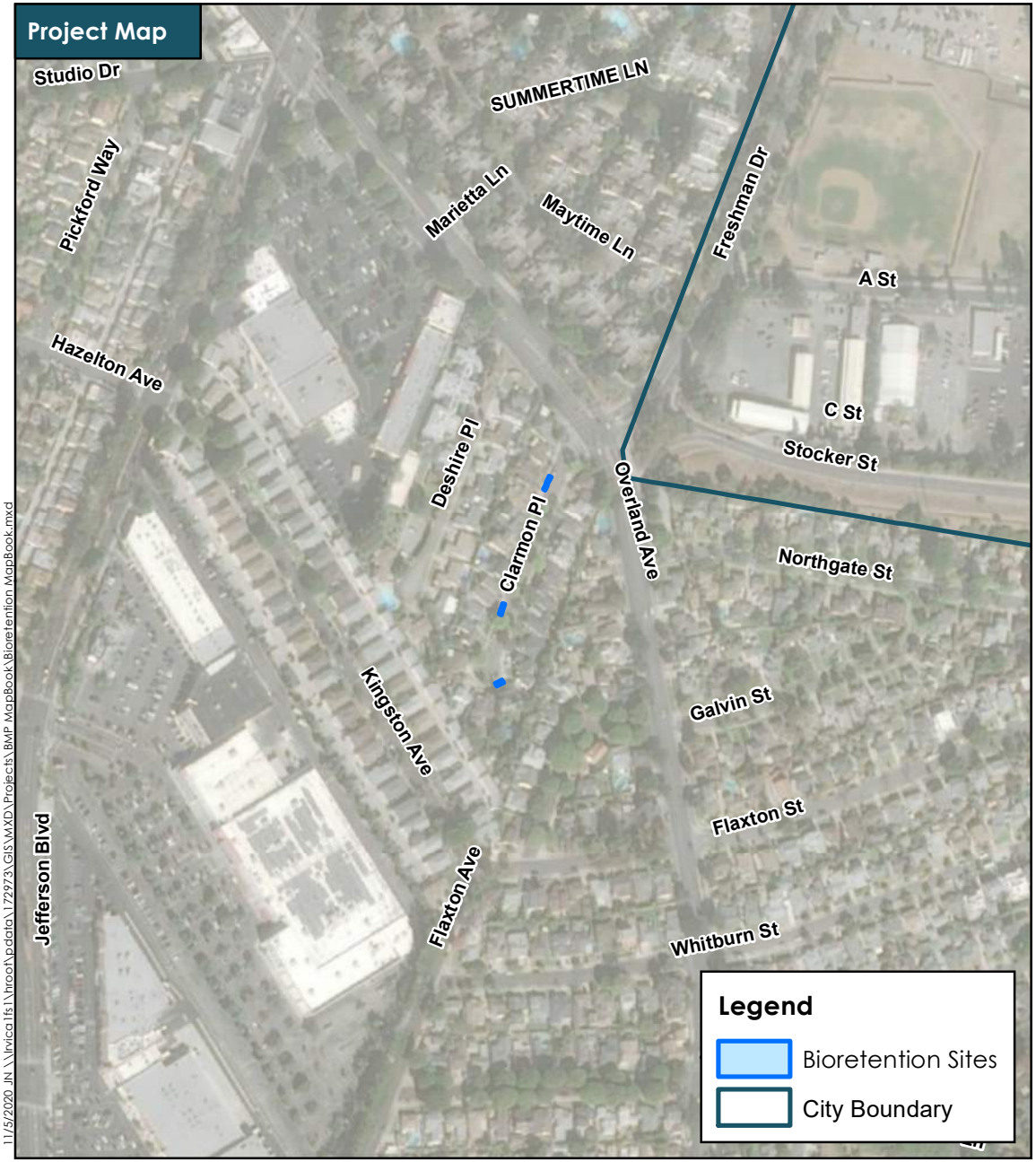
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR69

Project Map



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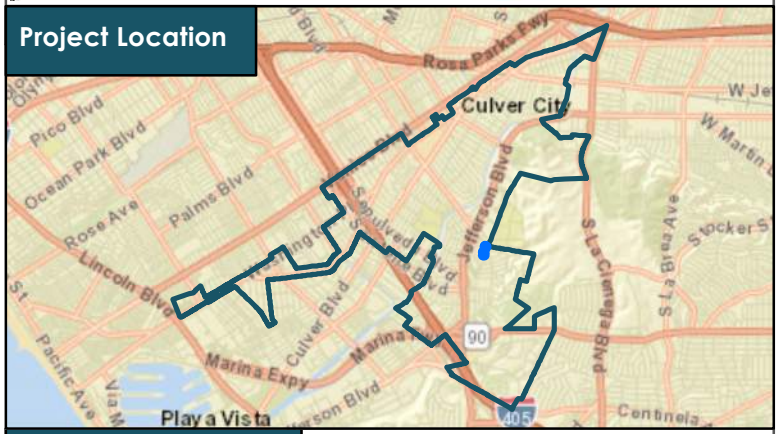
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.01
Drainage Area (ac):		0.13
Depth to Groundwater (ft):		31
EWMP Equivalient Volume (ac-ft):		0.01
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

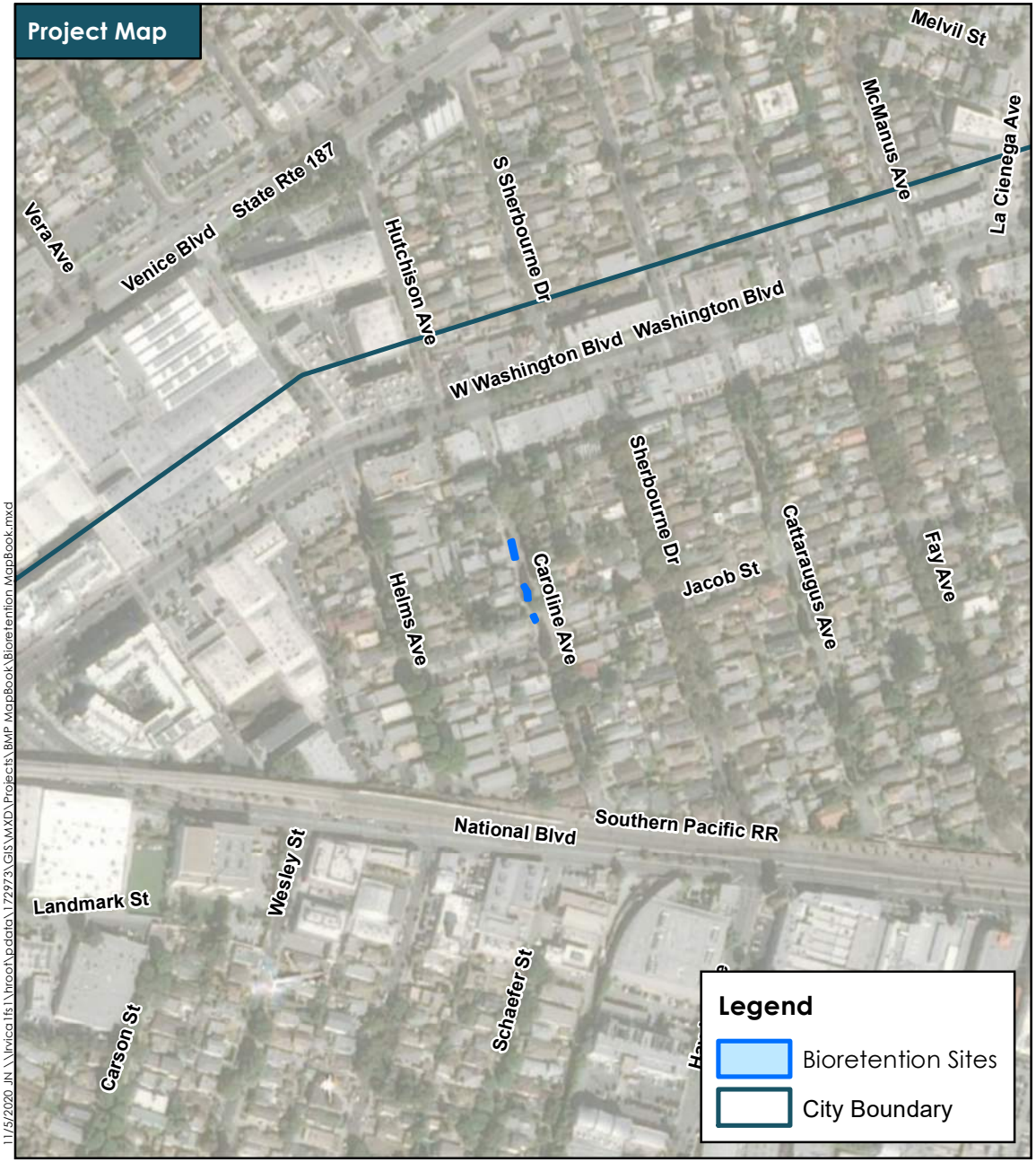
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR70

Project Map



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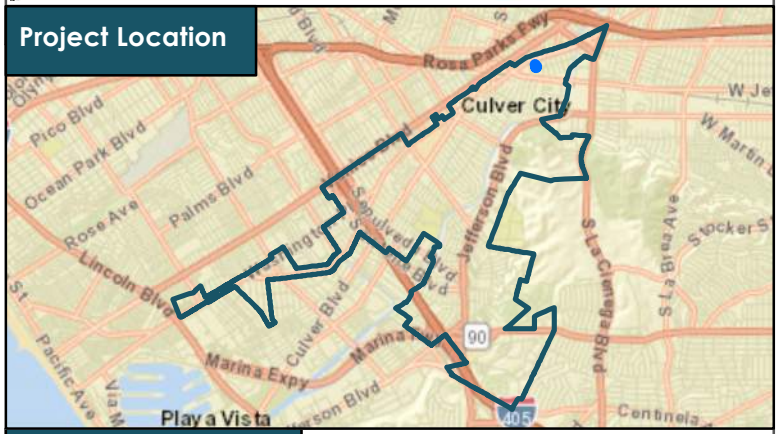
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.03
Drainage Area (ac):		0.32
Depth to Groundwater (ft):		45
EWMP Equivalient Volume (ac-ft):		0.01
Cost Estimate:	$	15,589

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

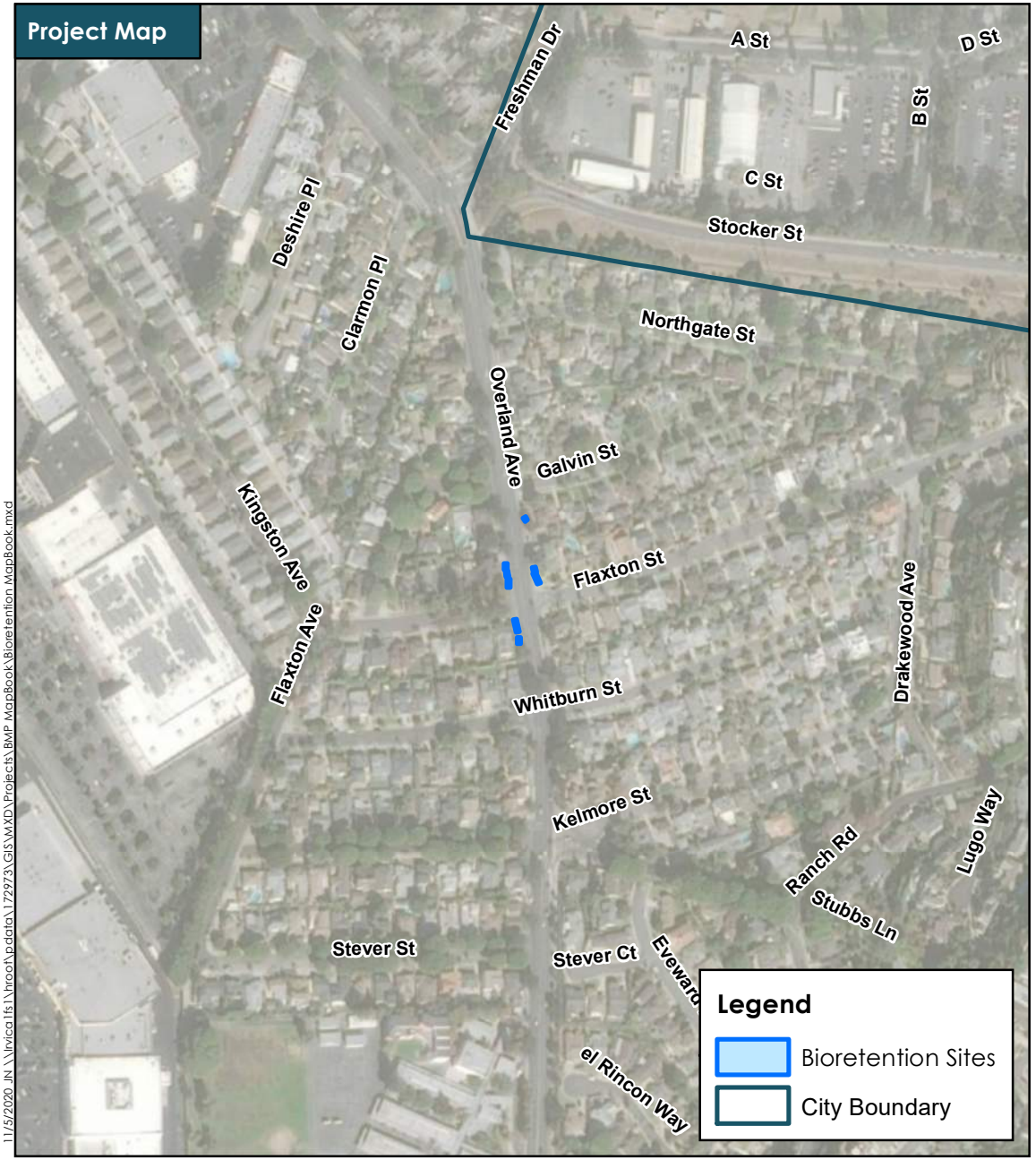
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR71

Project Map

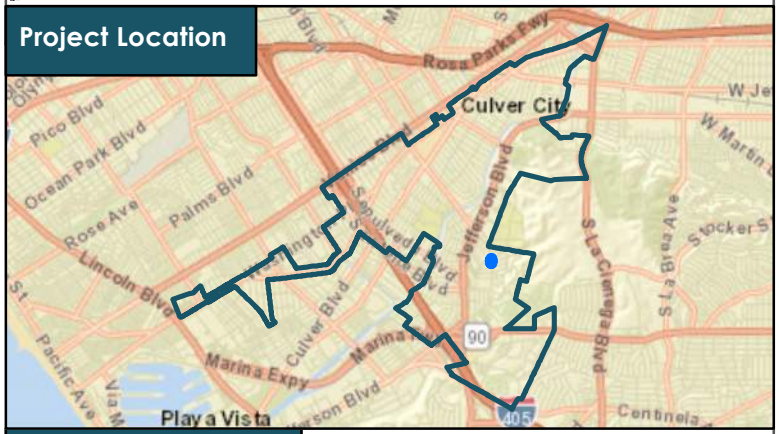


11/5/2020 JN \\Irvlcal1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.04
Drainage Area (ac):		0.48
Depth to Groundwater (ft):		44
EWMP Equivalient Volume (ac-ft):		0.04
Cost Estimate:	$	23,479

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

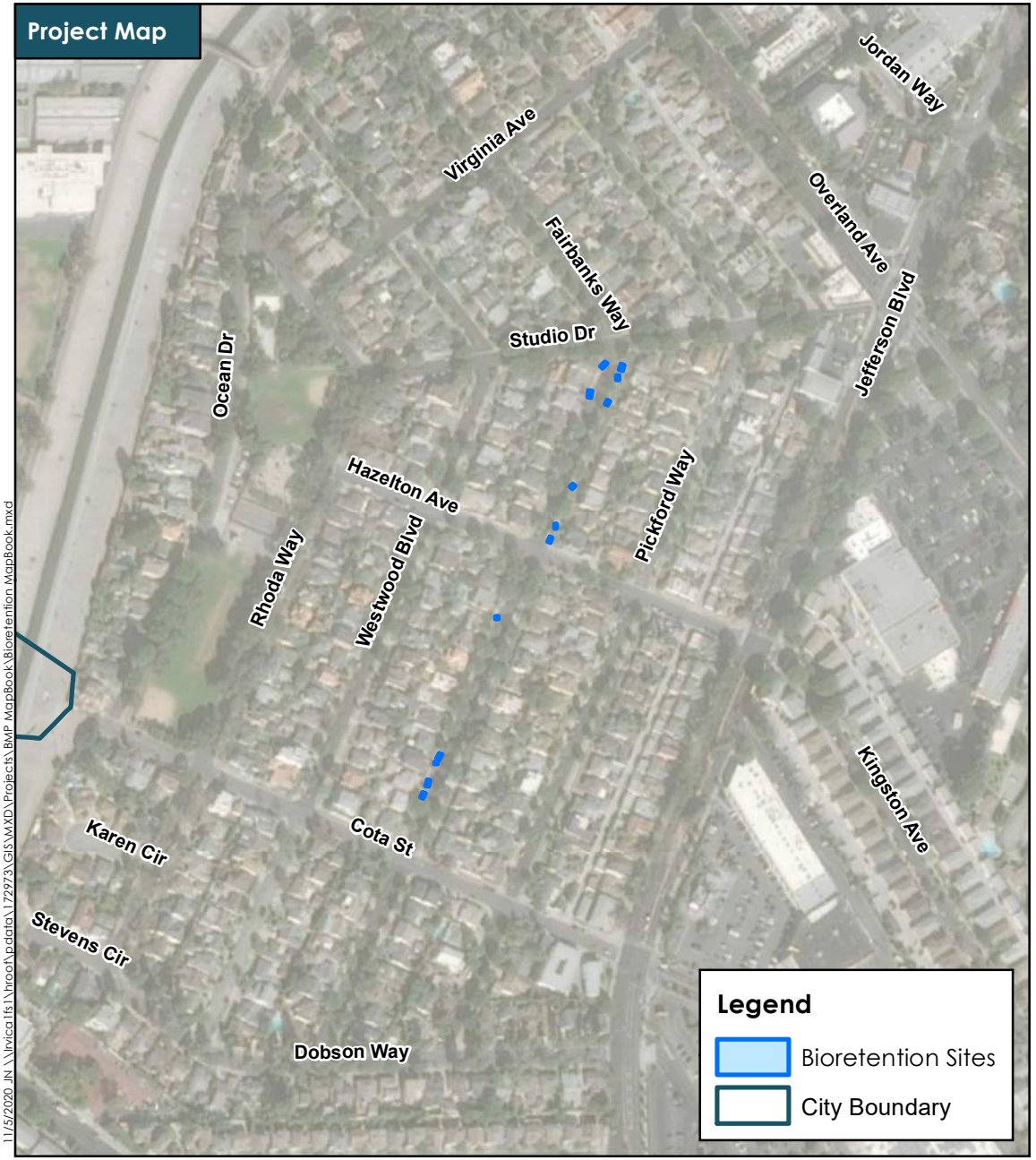
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR72

Project Map



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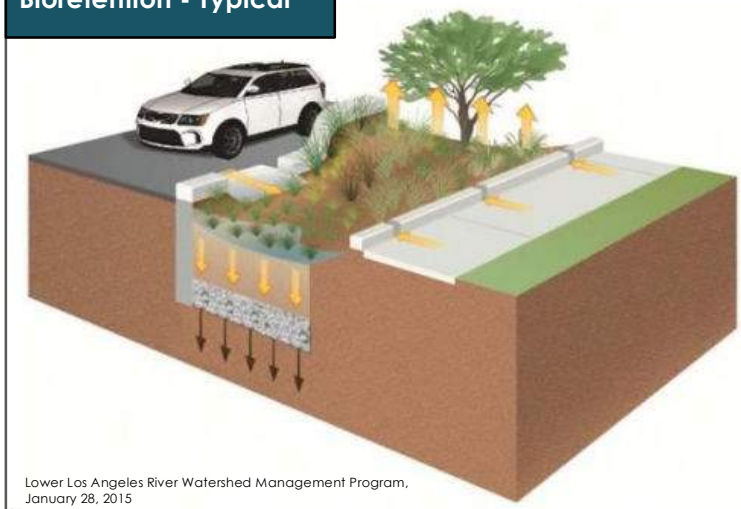
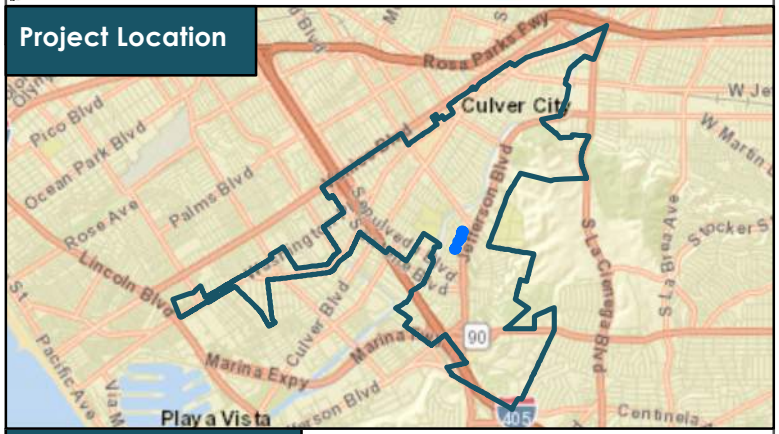
Bioretention - Typical



Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.03
Drainage Area (ac):		0.31
Depth to Groundwater (ft):		30
EWMP Equivalient Volume (ac-ft):		0.02
Cost Estimate:	$	15,121

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

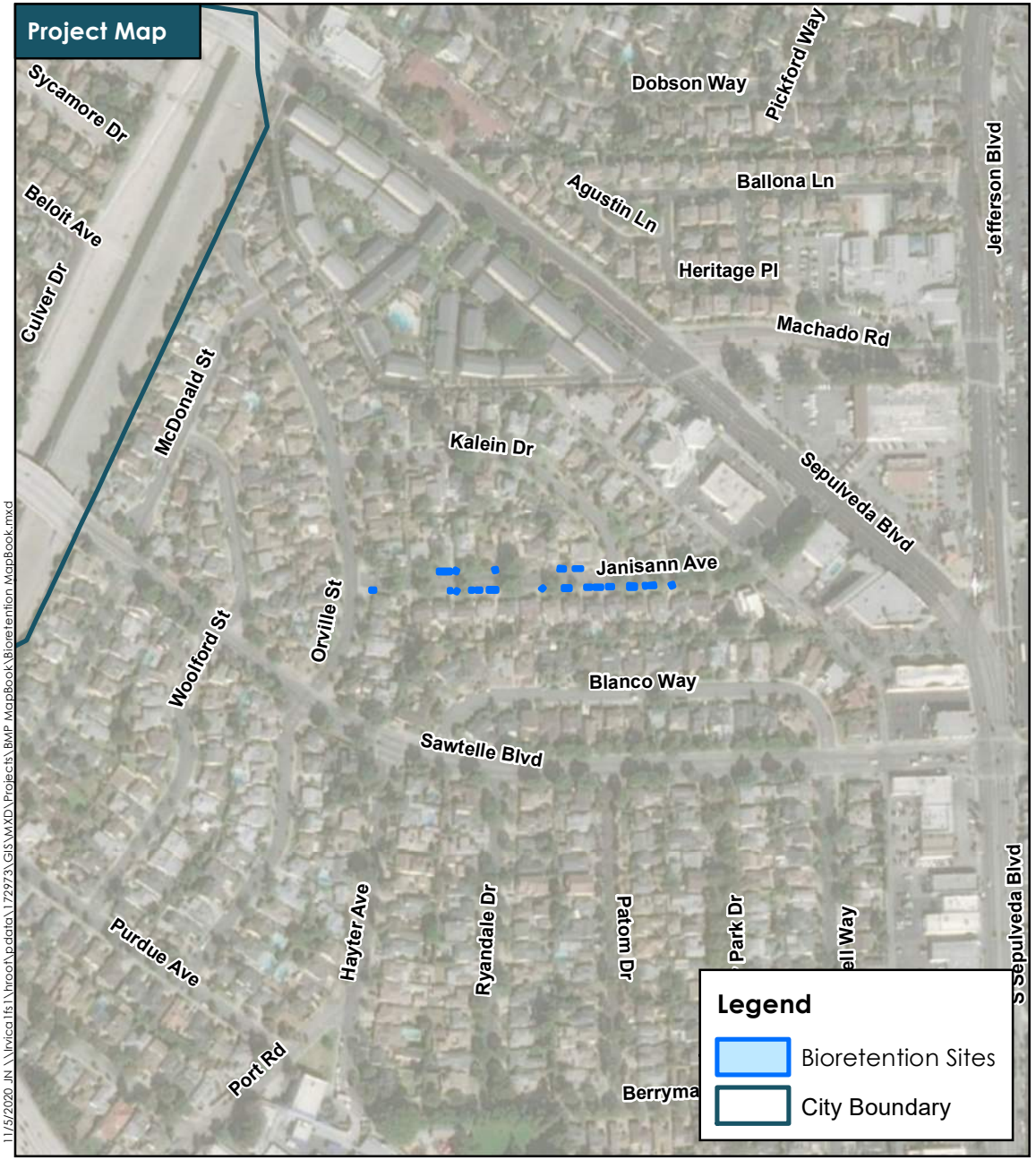
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR73

Project Map



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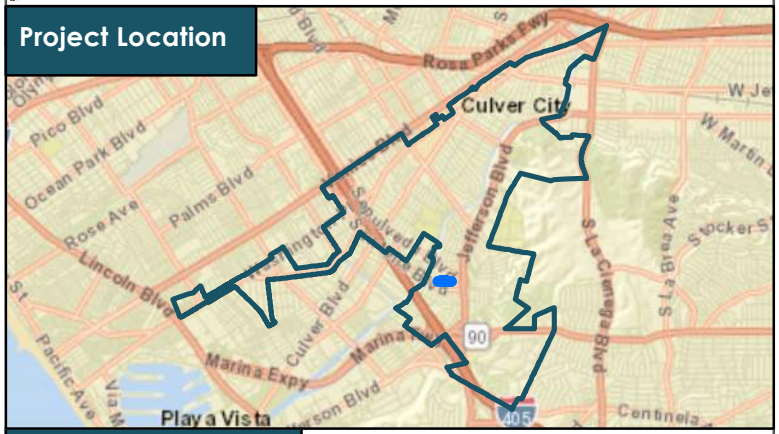
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.07
Drainage Area (ac):		0.79
Depth to Groundwater (ft):		19
EWMP Equivalient Volume (ac-ft):		0.06
Cost Estimate:	$	38,624

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

0 200 400 Feet

Source: City of Culver City

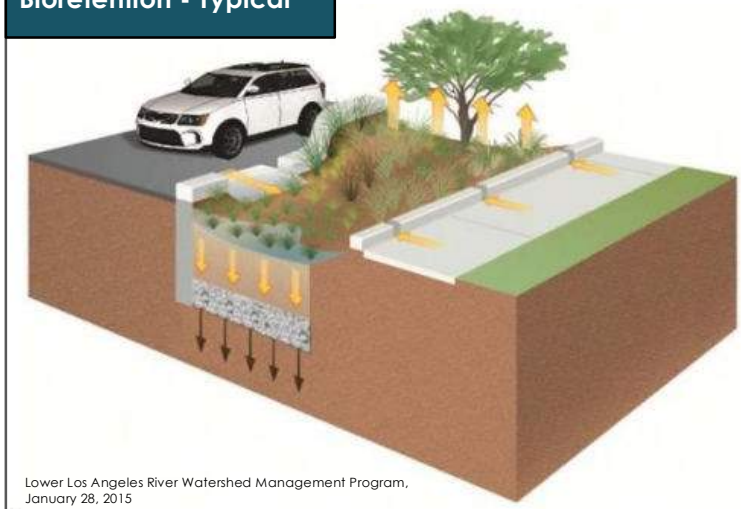
CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR74

Project Map

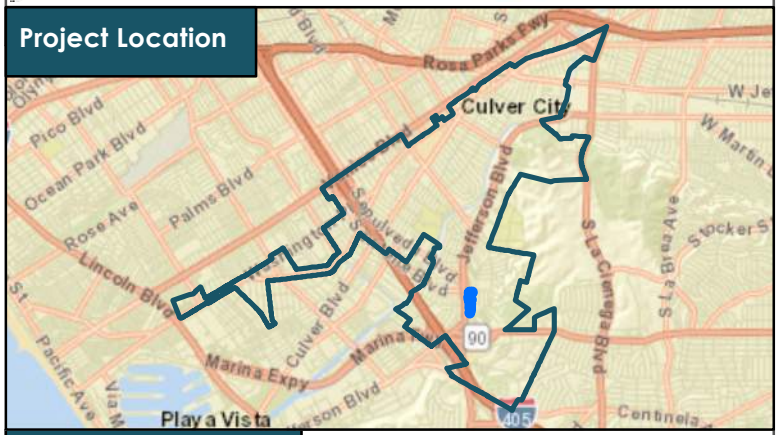
11/5/2020 JN \\Irvlcal1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical



Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.07
Drainage Area (ac):		0.8
Depth to Groundwater (ft):		17
EWMP Equivalient Volume (ac-ft):		0.06
Cost Estimate:	$	38,991

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

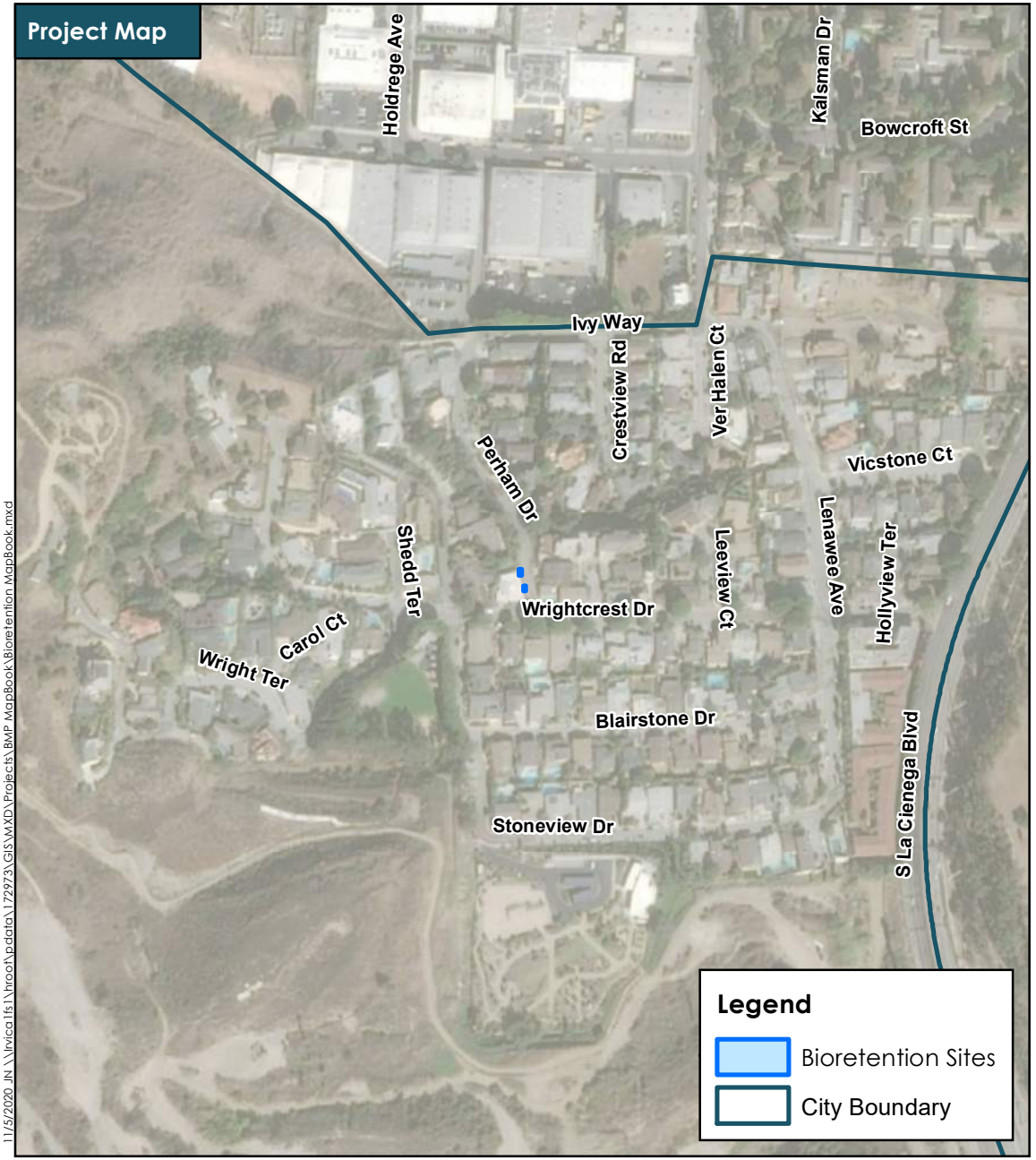
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR75

Project Map



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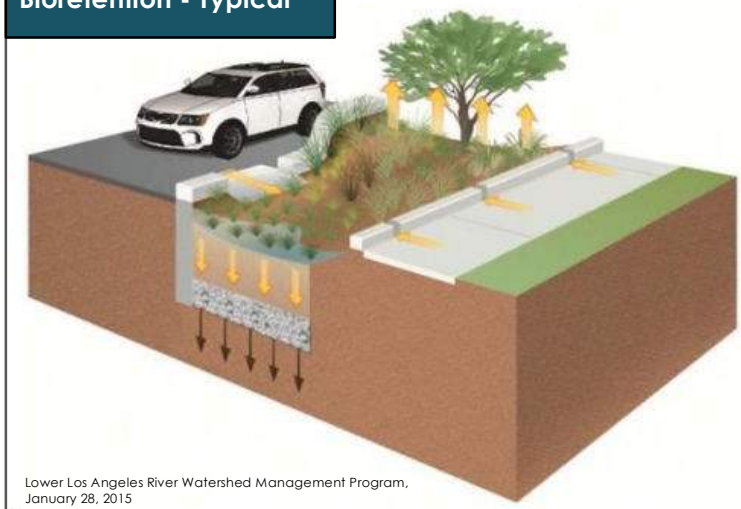
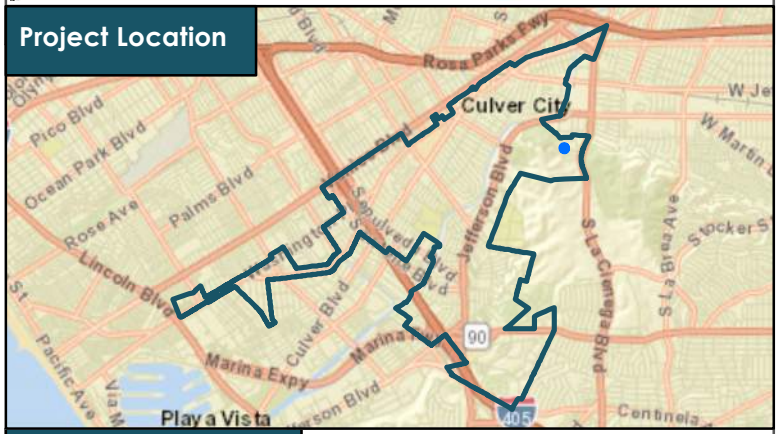
Bioretention - Typical



Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0
Drainage Area (ac):		0.03
Depth to Groundwater (ft):		157
EWMP Equivalient Volume (ac-ft):		0
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

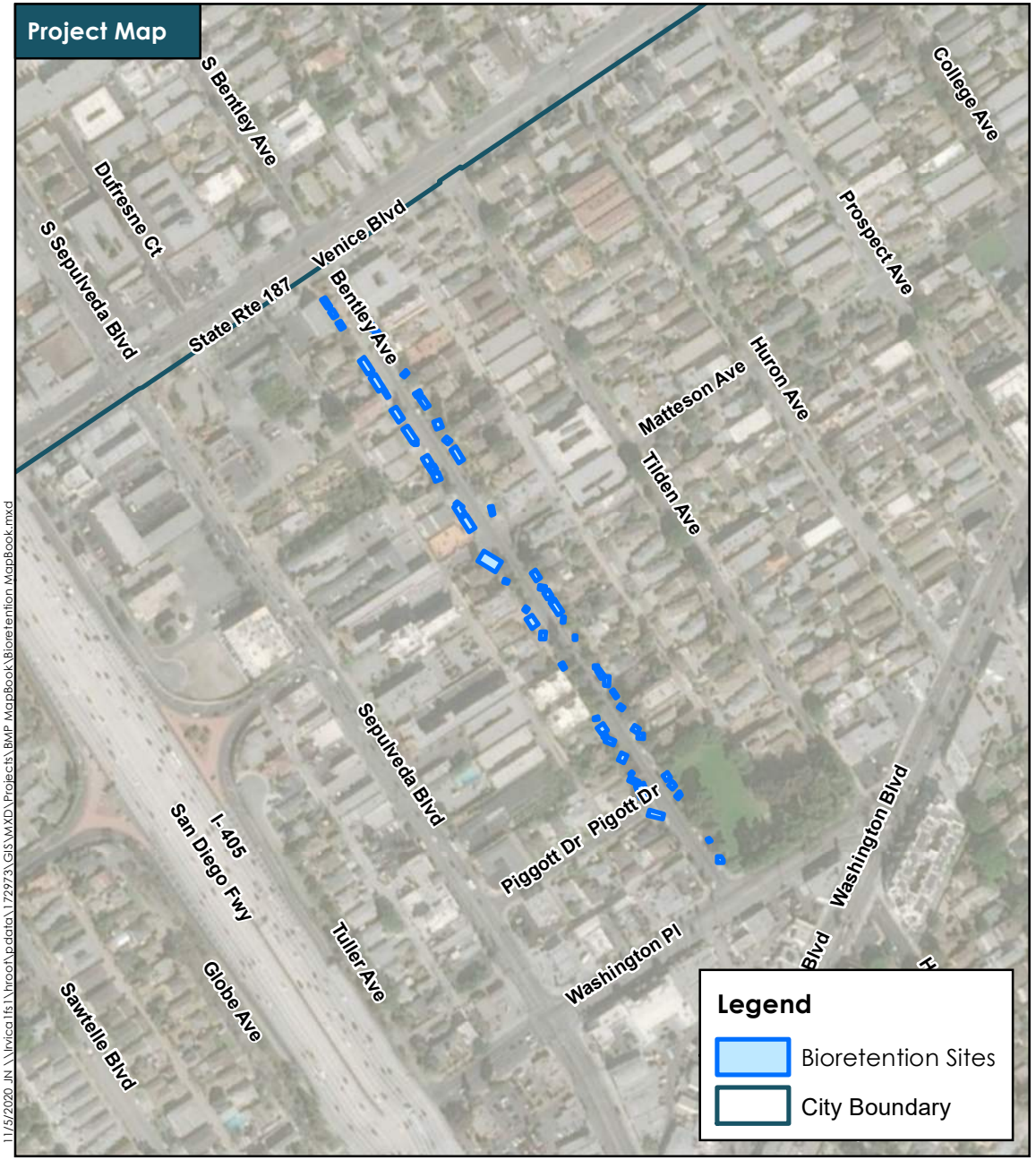
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR76

Project Map



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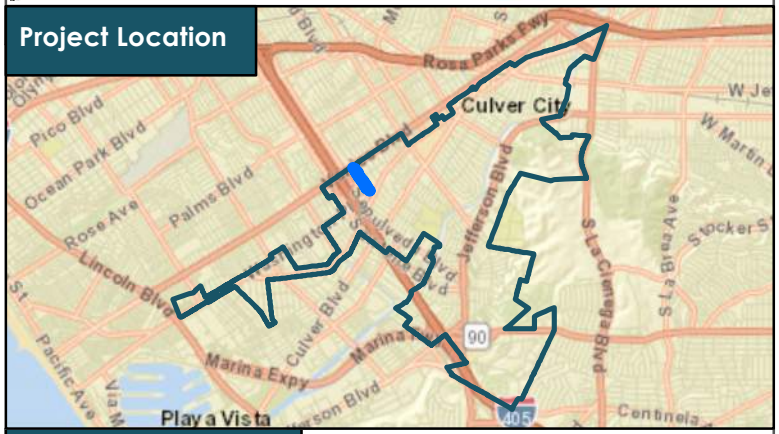
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.4
Drainage Area (ac):		4.86
Depth to Groundwater (ft):		35
EWMP Equivalient Volume (ac-ft):		0.22
Cost Estimate:	$	238,422

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

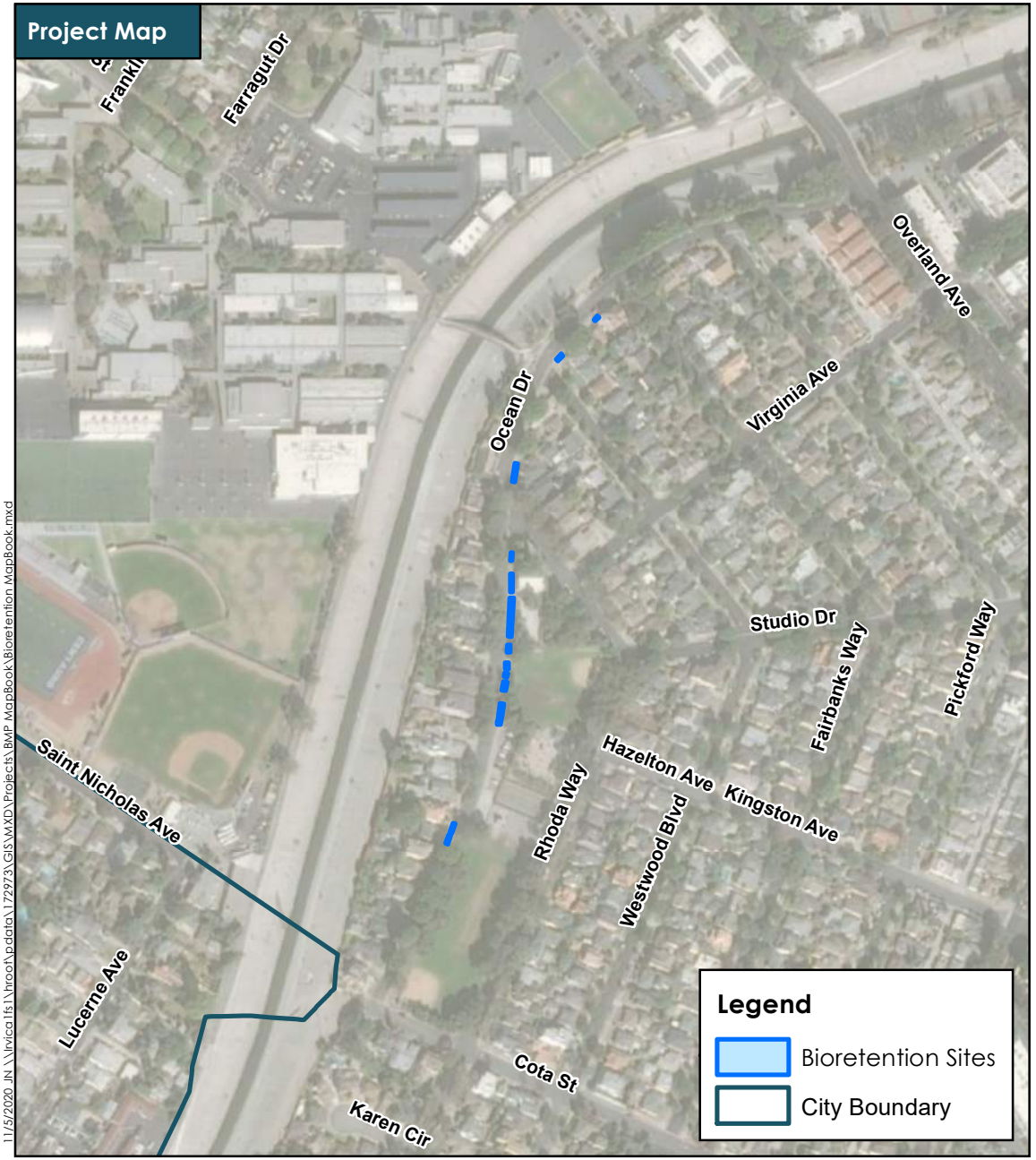
Source: City of Culver City

0 200 400 Feet

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR77

Project Map



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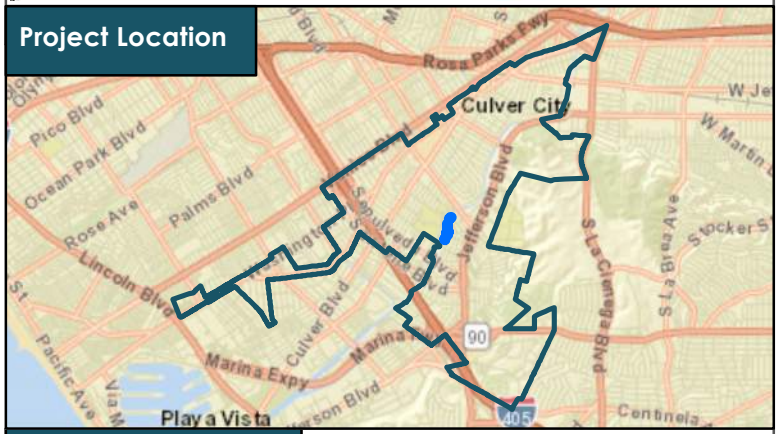
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.08
Drainage Area (ac):		0.97
Depth to Groundwater (ft):		22
EWMP Equivalient Volume (ac-ft):		0.07
Cost Estimate:	$	47,695

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

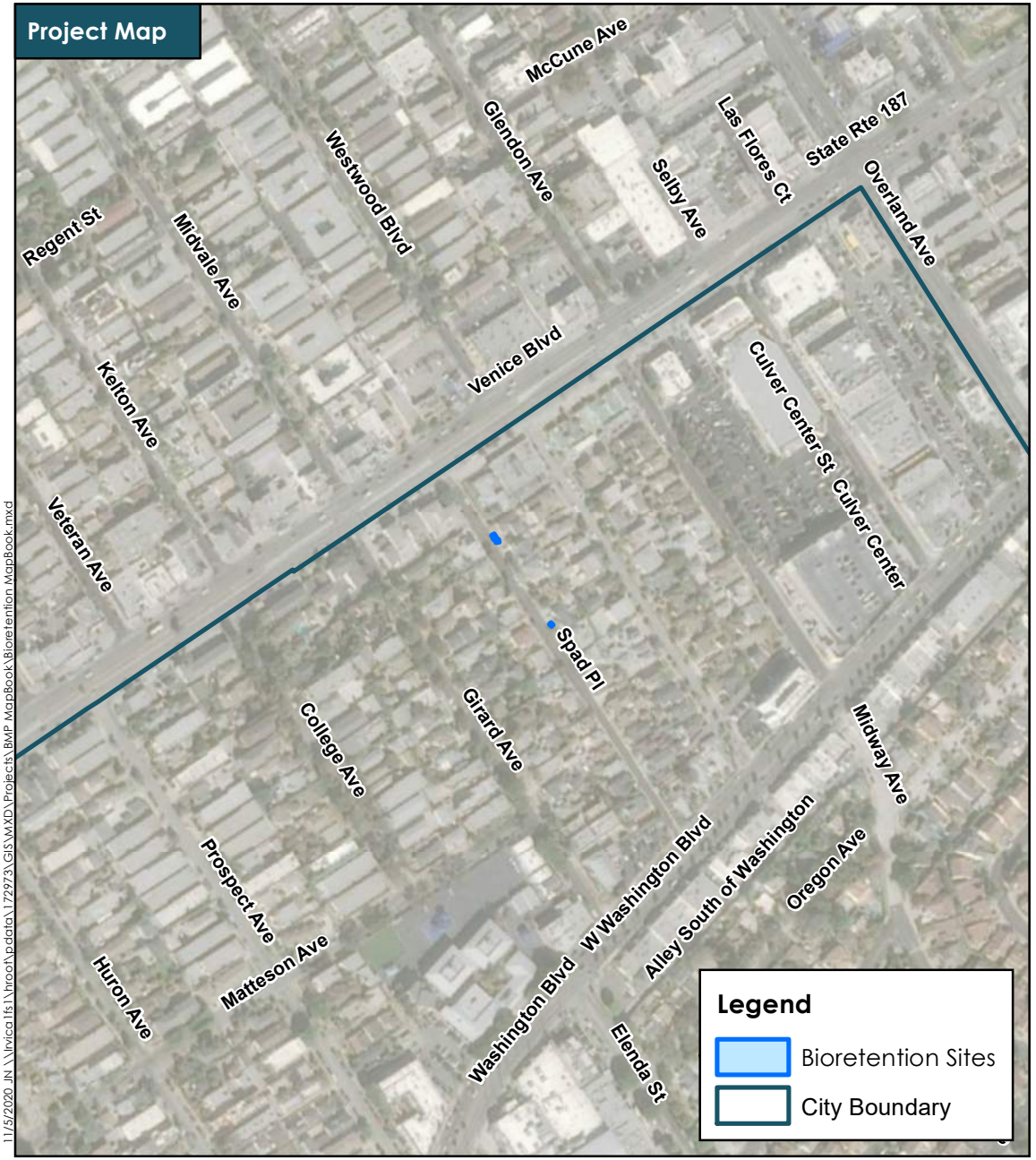
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR78

Project Map



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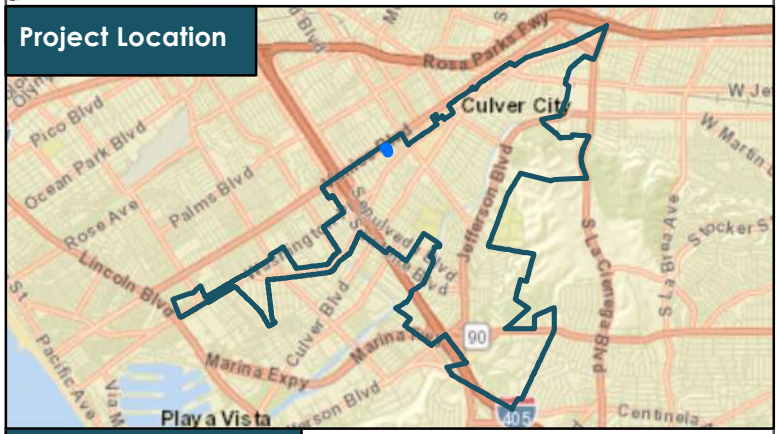
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.01
Drainage Area (ac):		0.06
Depth to Groundwater (ft):		47
EWMP Equivalient Volume (ac-ft):		0
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

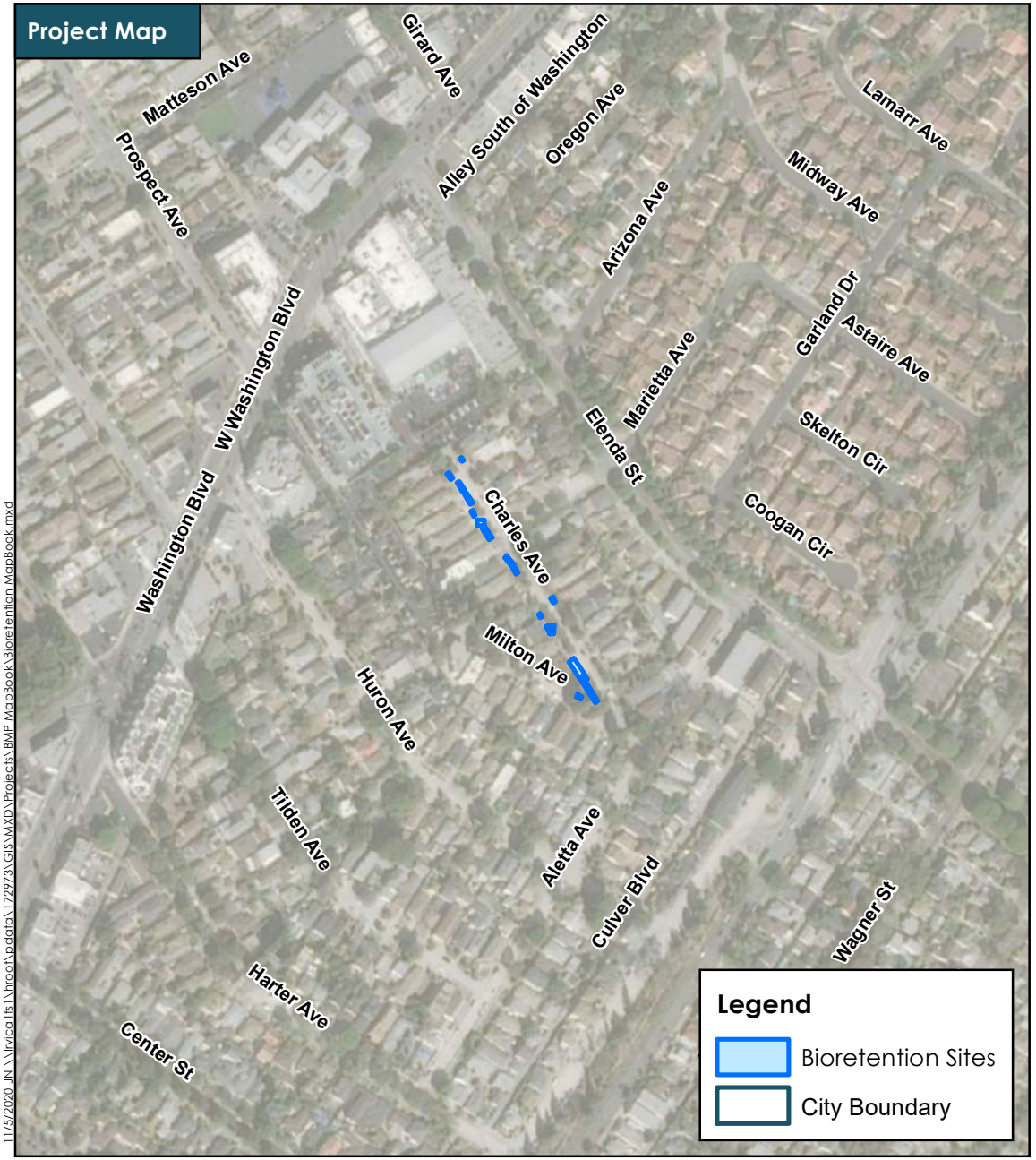
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR79

Project Map



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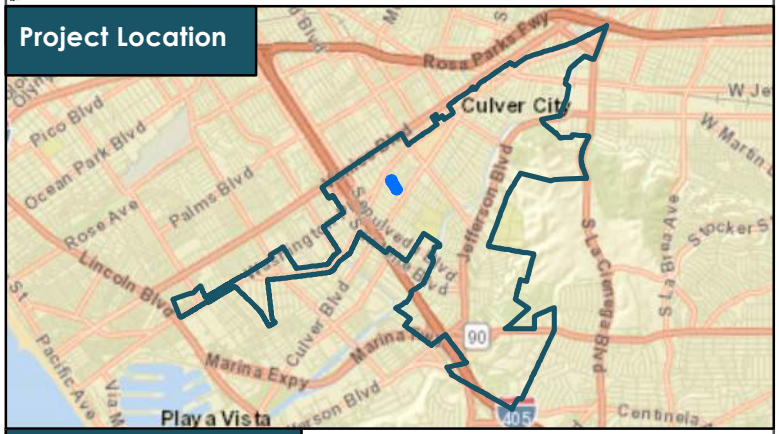
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.12
Drainage Area (ac):		1.49
Depth to Groundwater (ft):		18
EWMP Equivalient Volume (ac-ft):		0.07
Cost Estimate:	$	72,991

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

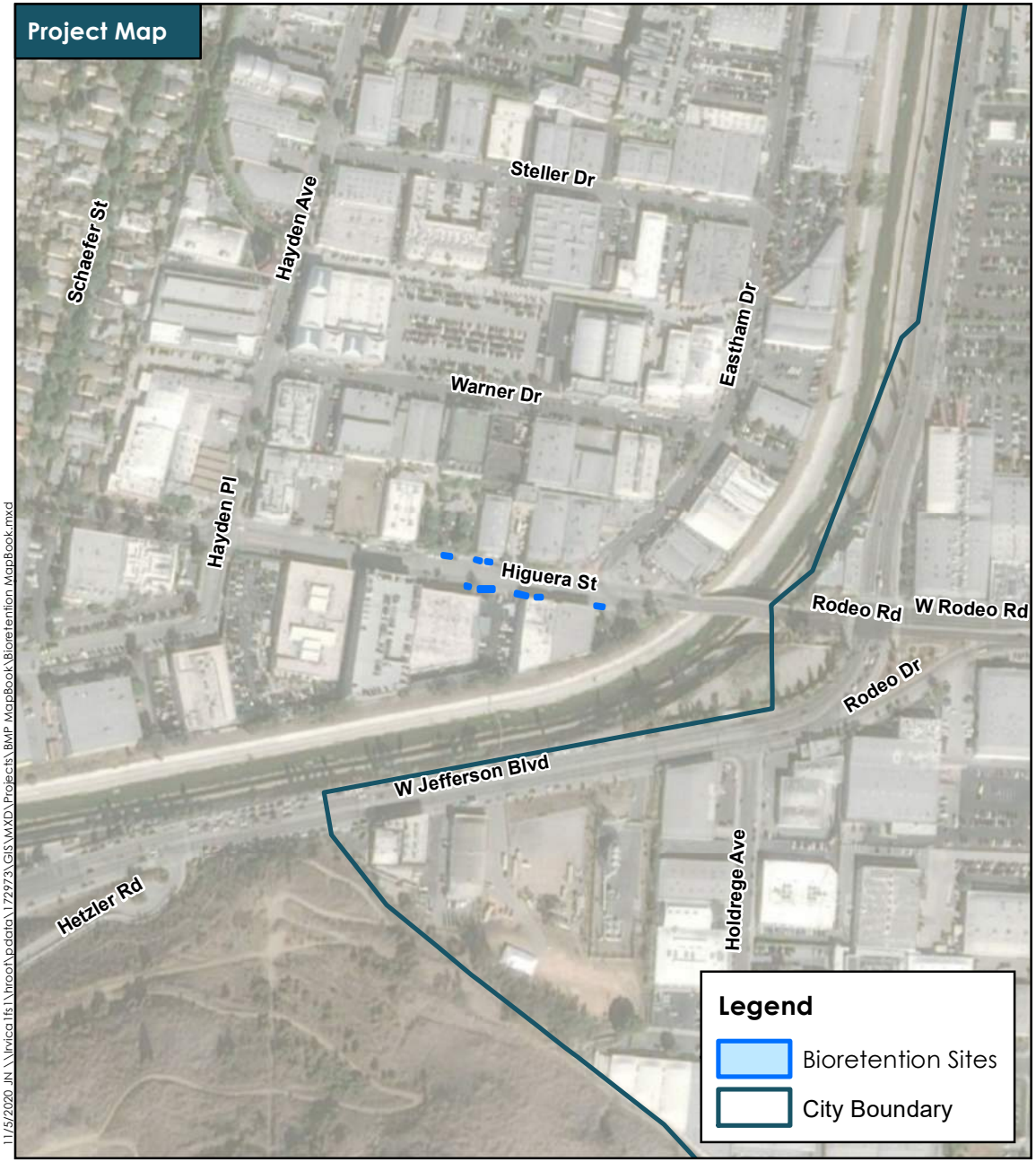
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR80

Project Map



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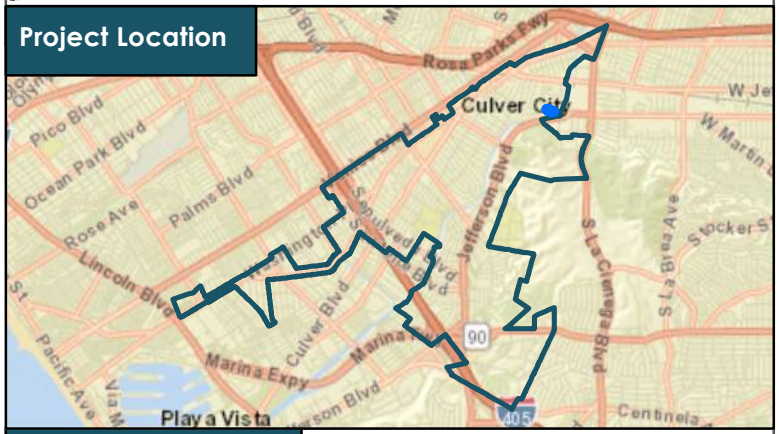
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.02
Drainage Area (ac):		0.28
Depth to Groundwater (ft):		35
EWMP Equivalient Volume (ac-ft):		0.02
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

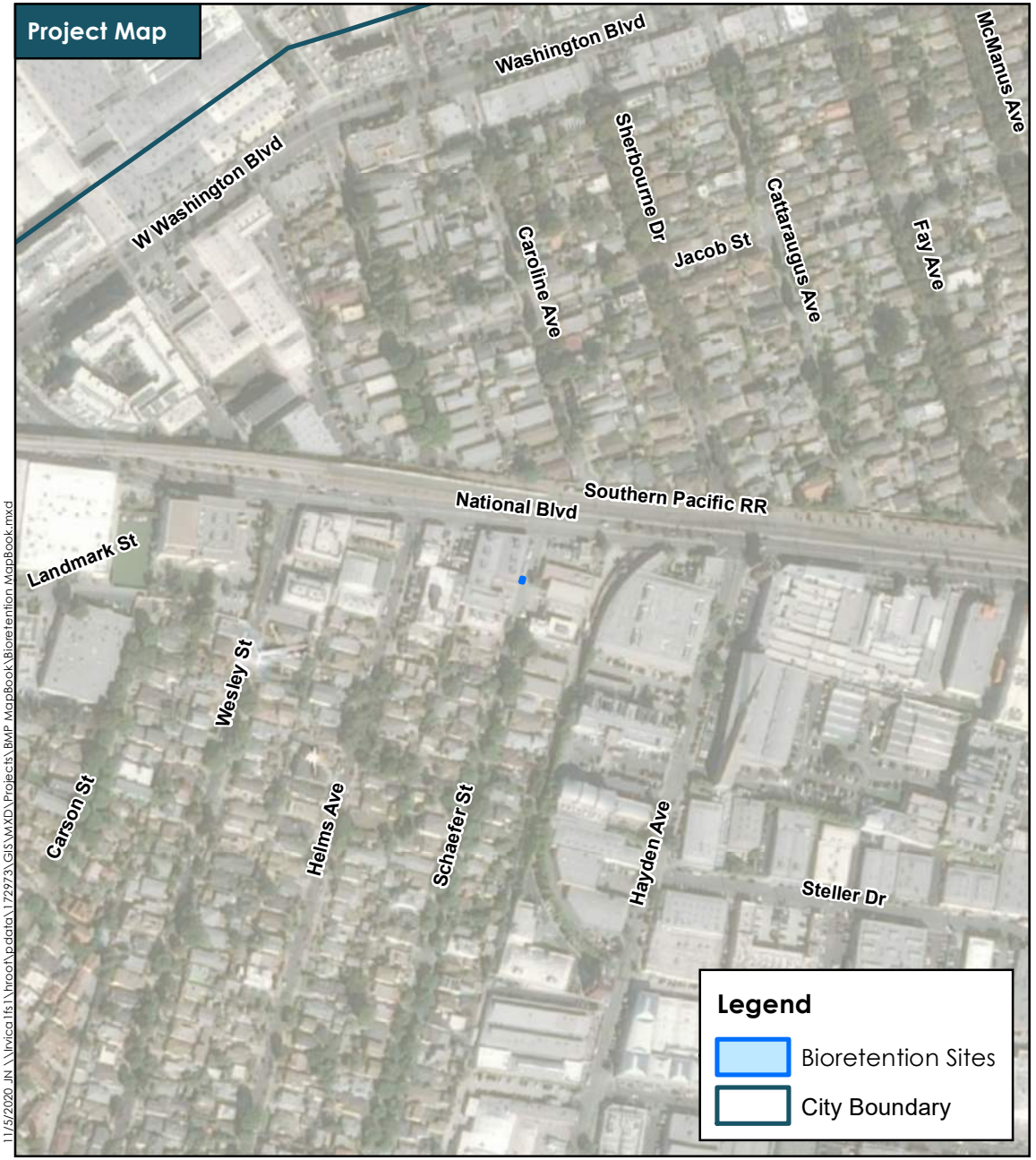
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR81

Project Map



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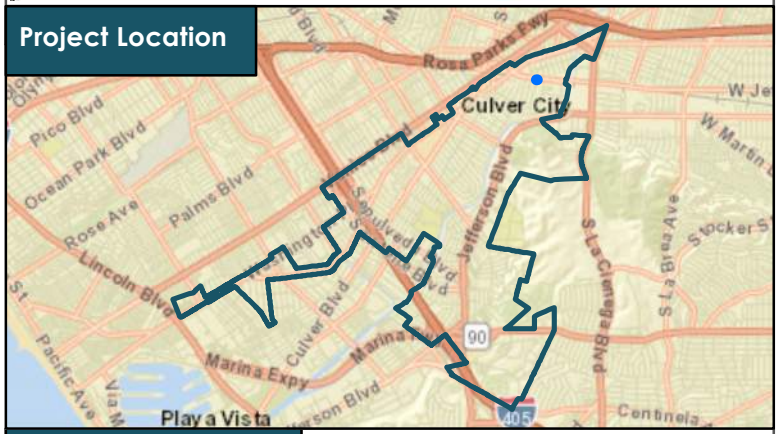
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0
Drainage Area (ac):		0.01
Depth to Groundwater (ft):		32
EWMP Equivalient Volume (ac-ft):		0
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

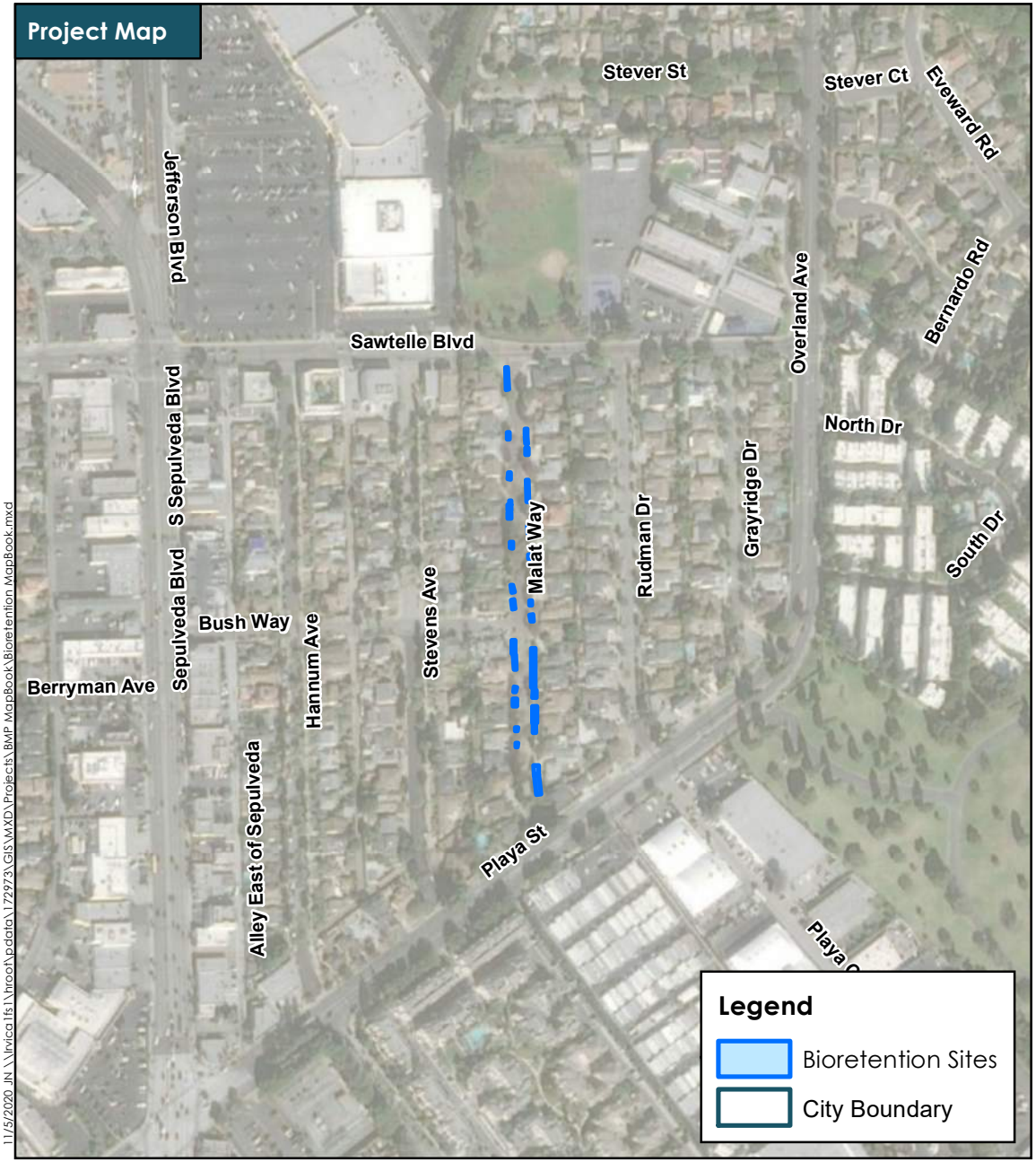
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR82

Project Map



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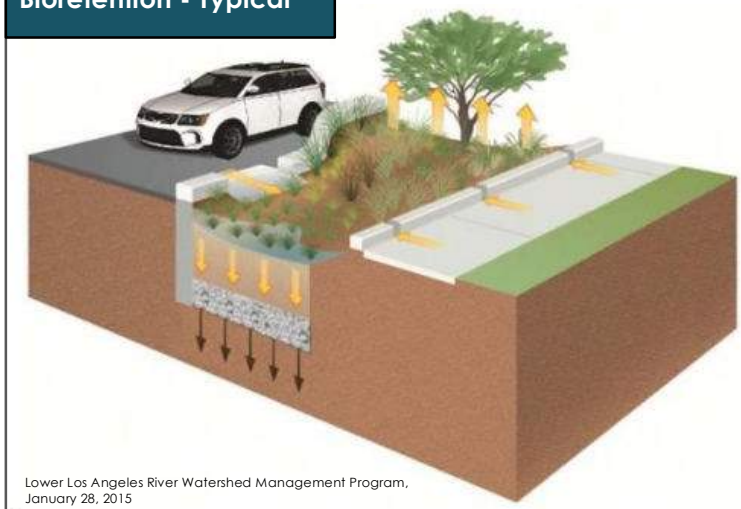
Bioretention - Typical



Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location

Project Information

Storage Capcity (ac-ft):		0.19
Drainage Area (ac):		2.26
Depth to Groundwater (ft):		18
EWMP Equivalient Volume (ac-ft):		0.17
Cost Estimate:	$	110,803

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

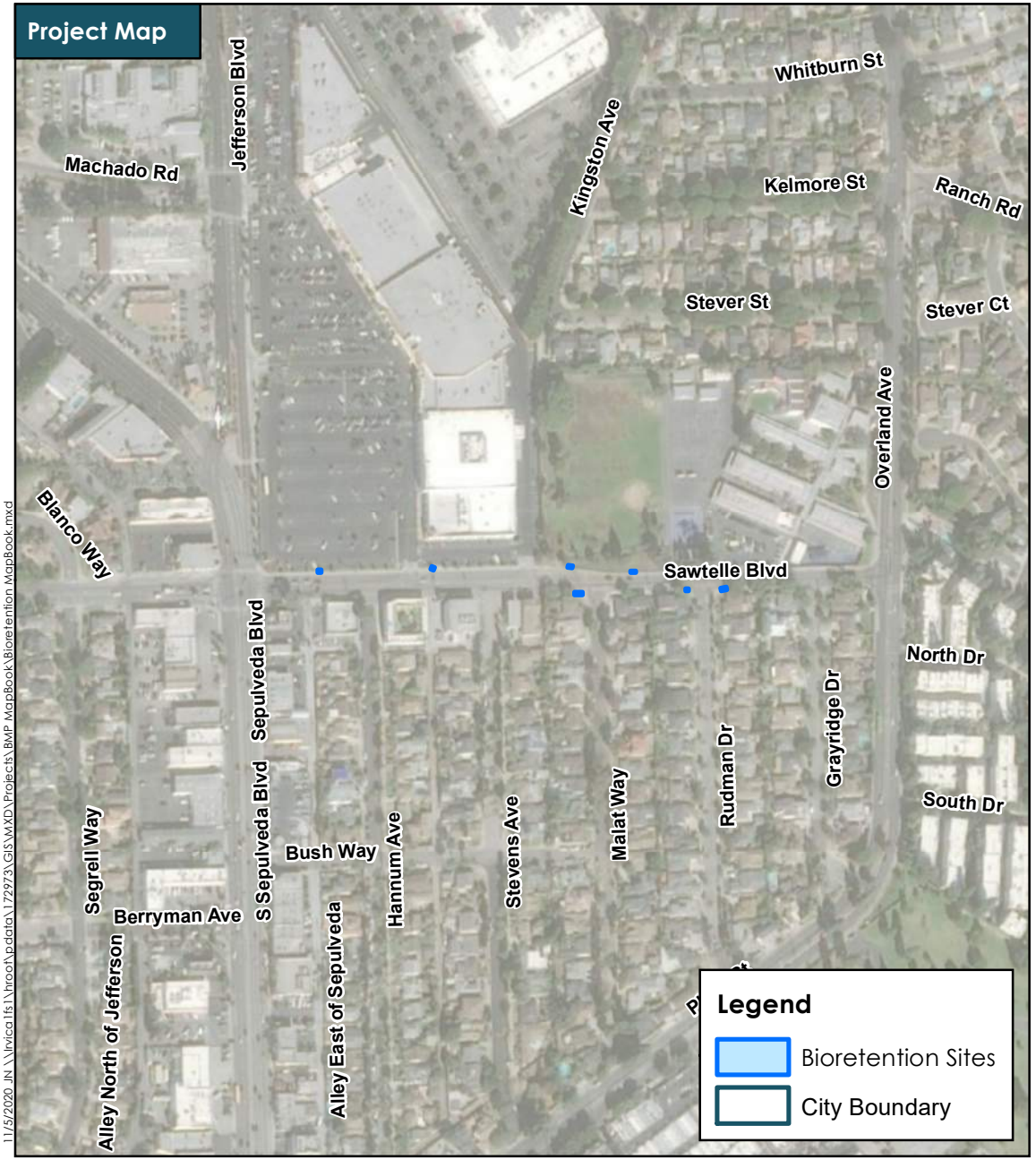
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR83

Project Map



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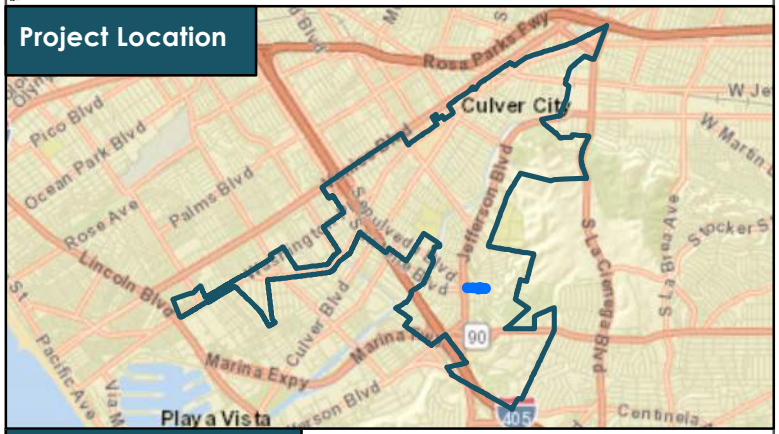
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.01
Drainage Area (ac):		0.11
Depth to Groundwater (ft):		18
EWMP Equivalient Volume (ac-ft):		0.01
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

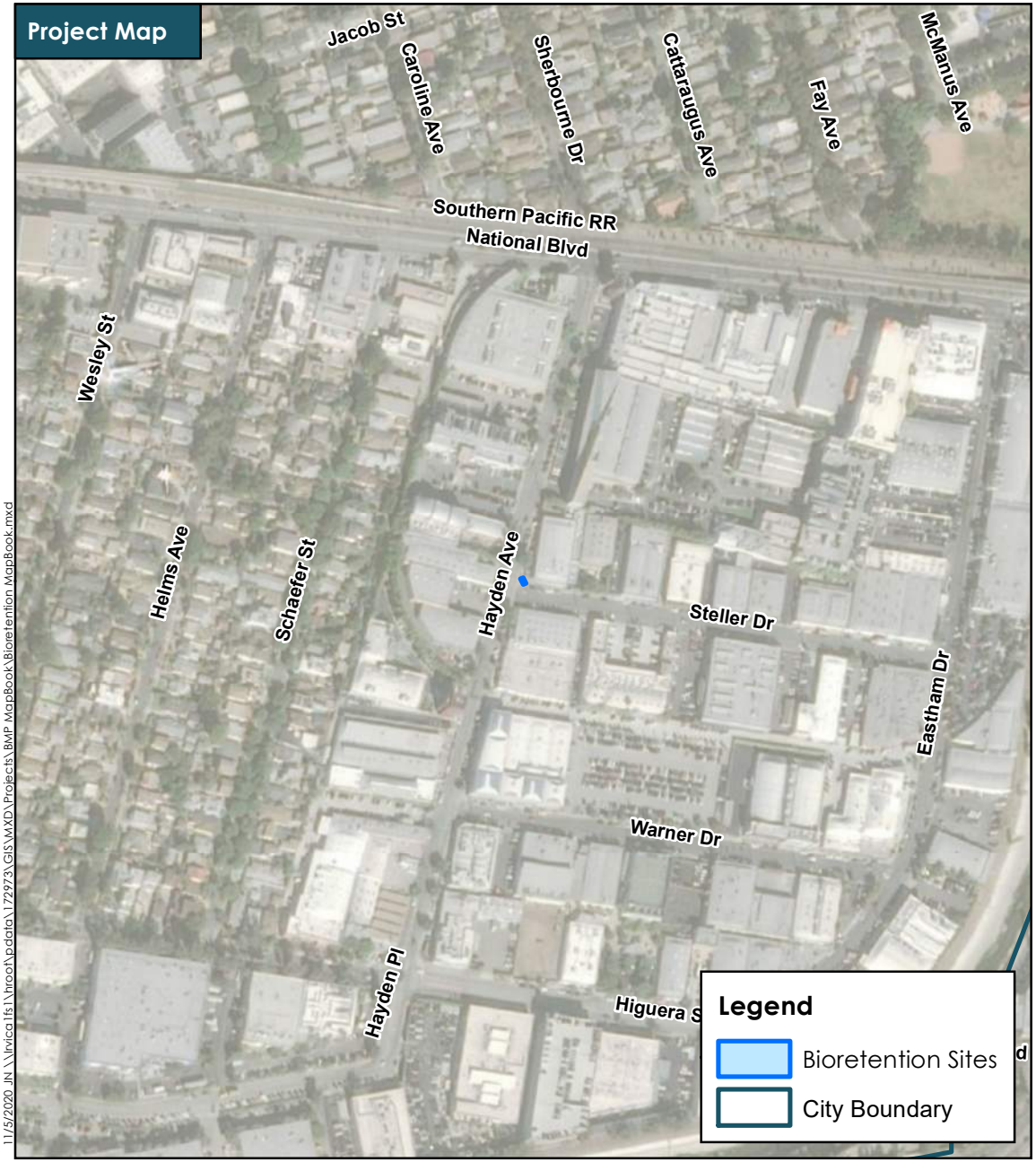
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR84

Project Map



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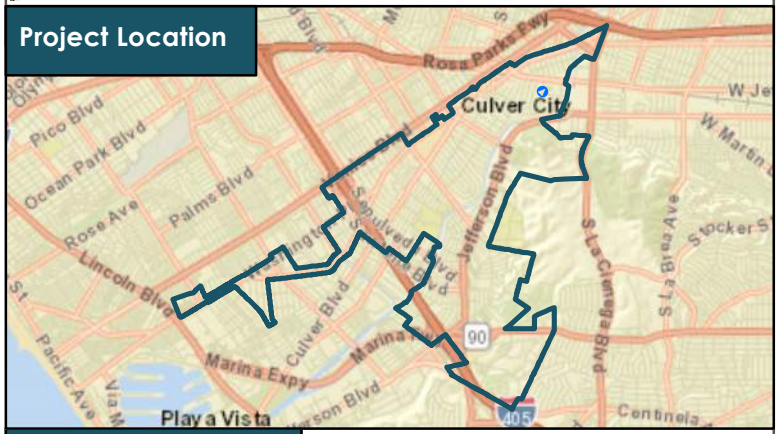
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0
Drainage Area (ac):		0.02
Depth to Groundwater (ft):		36
EWMP Equivalient Volume (ac-ft):		0
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

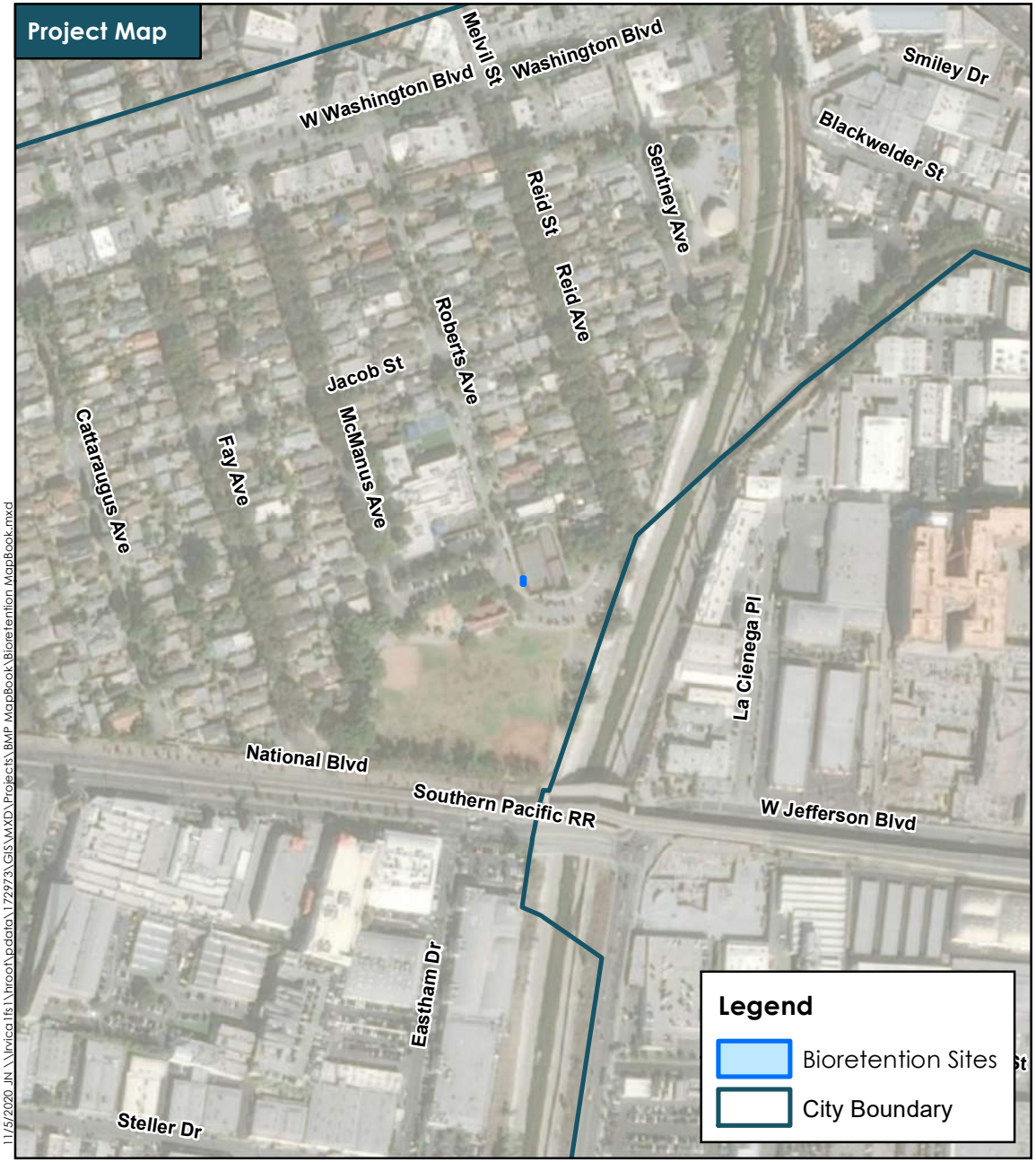
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR85

Project Map

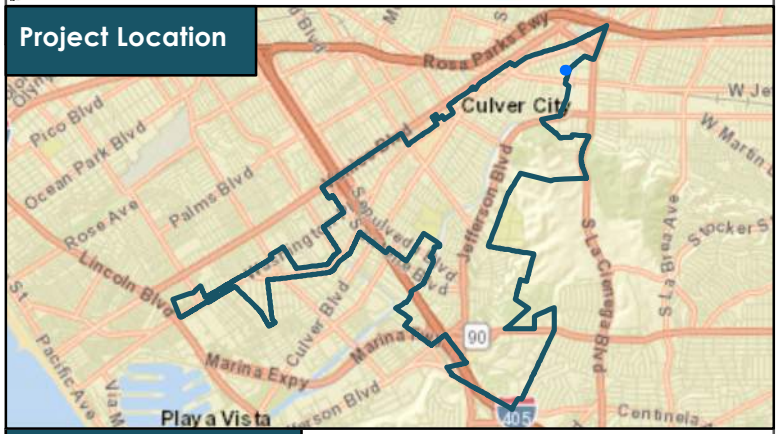


11/5/2020 JN \\Irvlcal1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0
Drainage Area (ac):		0.02
Depth to Groundwater (ft):		25
EWMP Equivalient Volume (ac-ft):		0
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

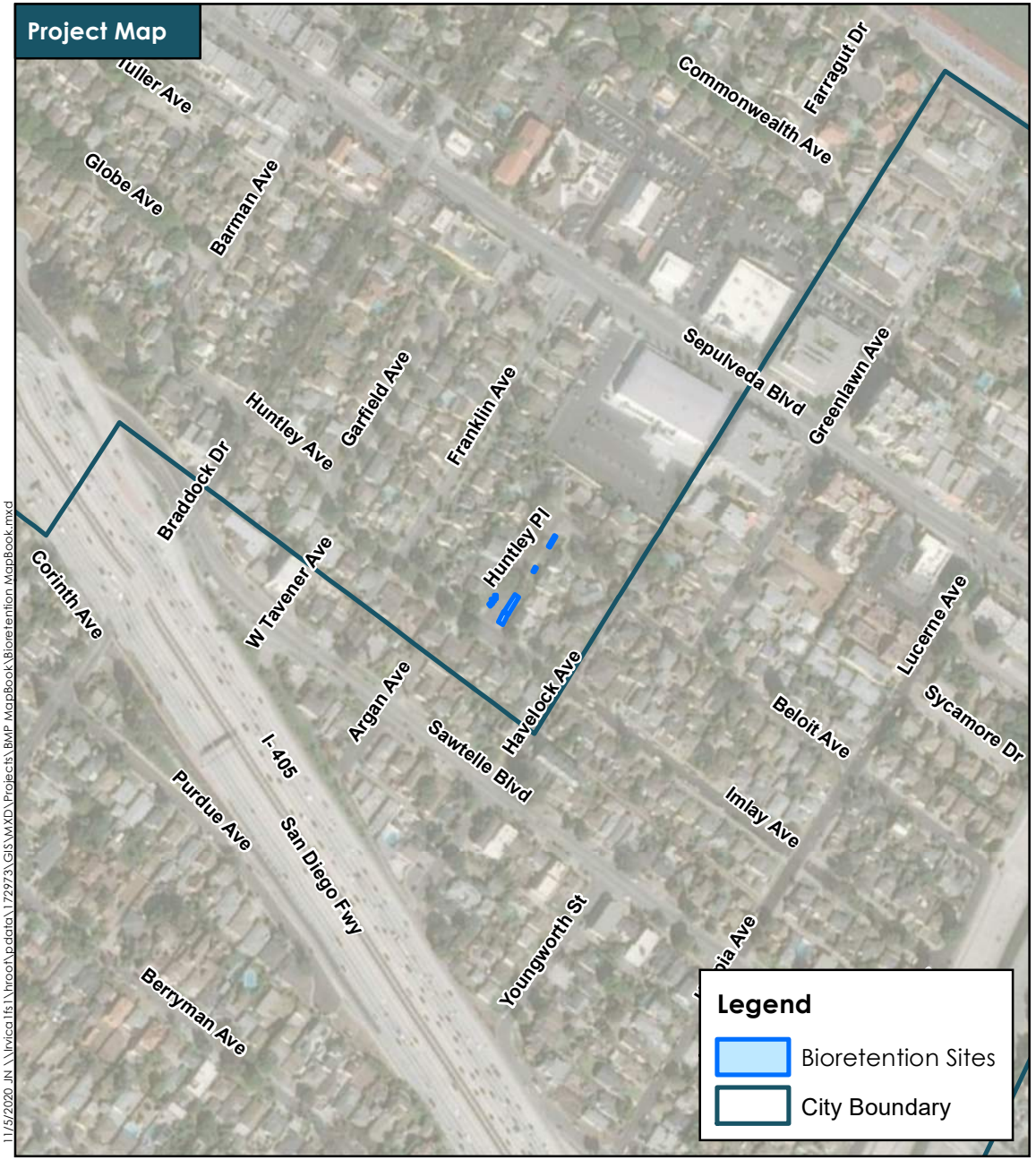
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR86

Project Map



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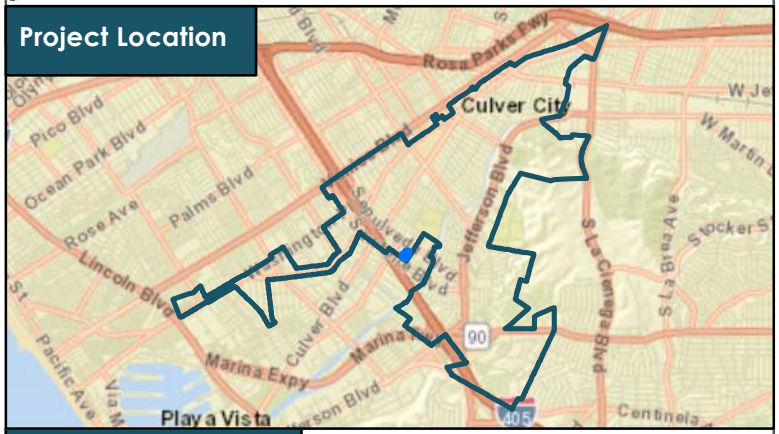
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.04
Drainage Area (ac):		0.46
Depth to Groundwater (ft):		17
EWMP Equivalient Volume (ac-ft):		0.02
Cost Estimate:	$	22,415

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

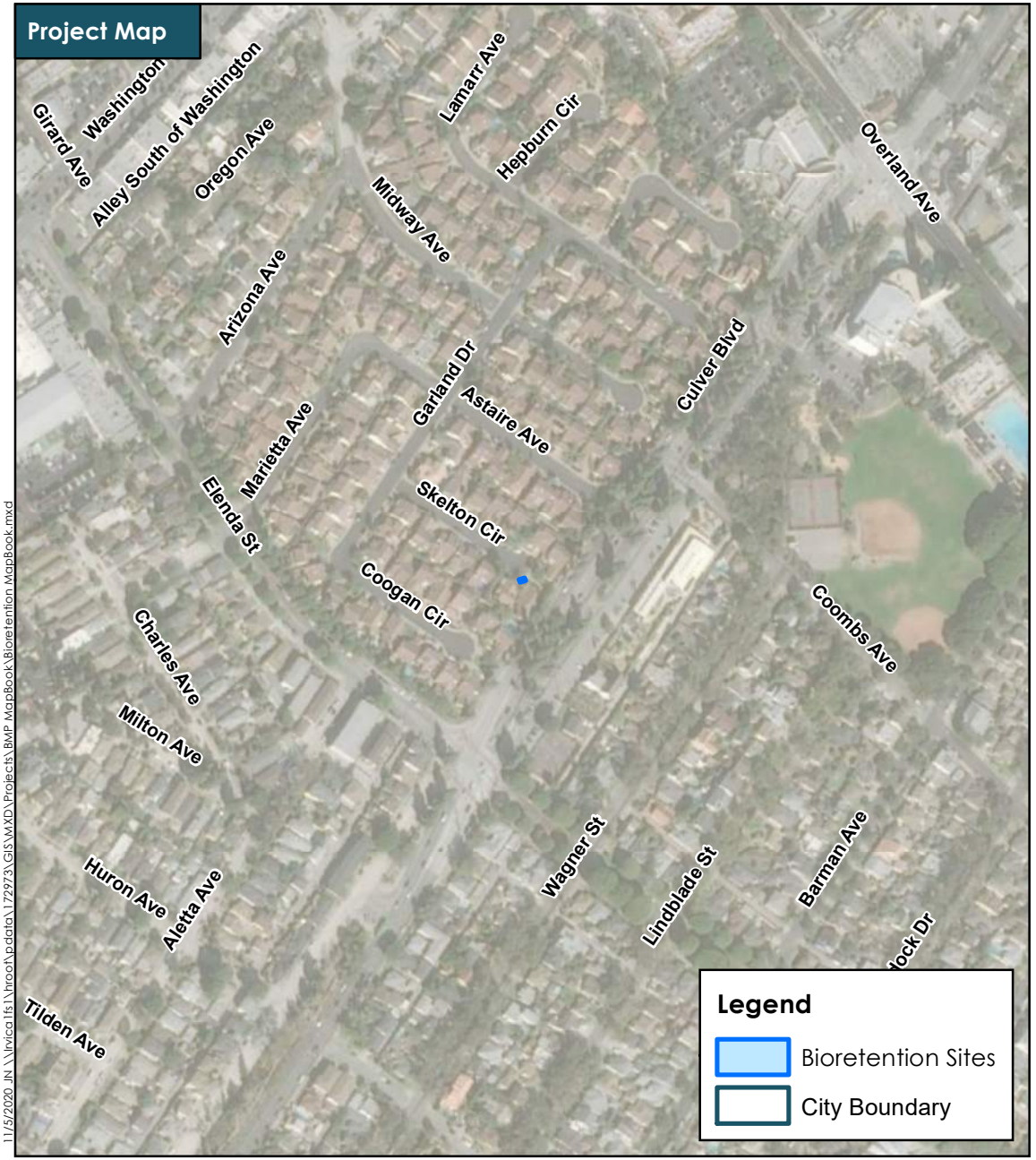
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR87

Project Map



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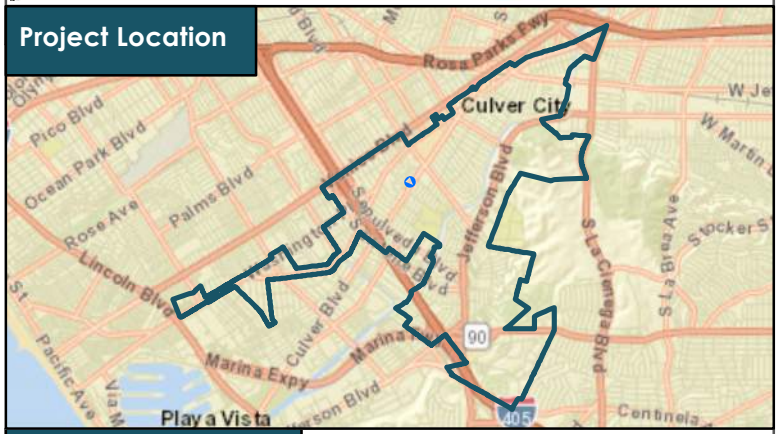
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0
Drainage Area (ac):		0.04
Depth to Groundwater (ft):		23
EWMP Equivalient Volume (ac-ft):		0
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

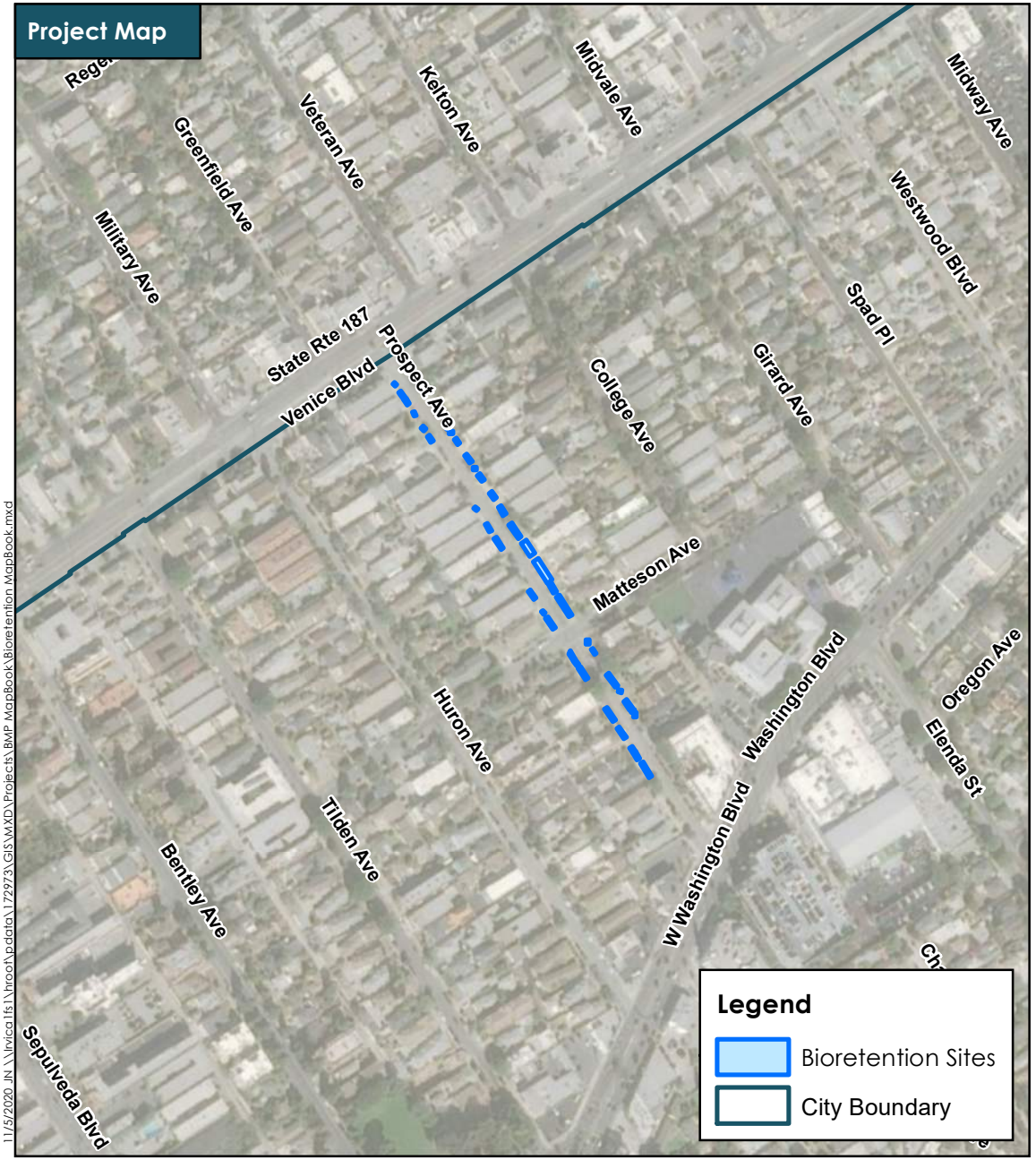
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR88

Project Map

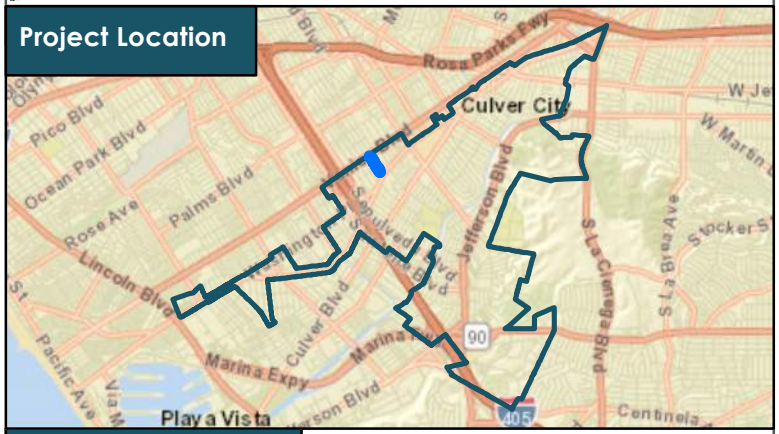


11/5/2020 JN \\Irvlca1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.25
Drainage Area (ac):		3.06
Depth to Groundwater (ft):		36
EWMP Equivalient Volume (ac-ft):		0.14
Cost Estimate:	$	149,901

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

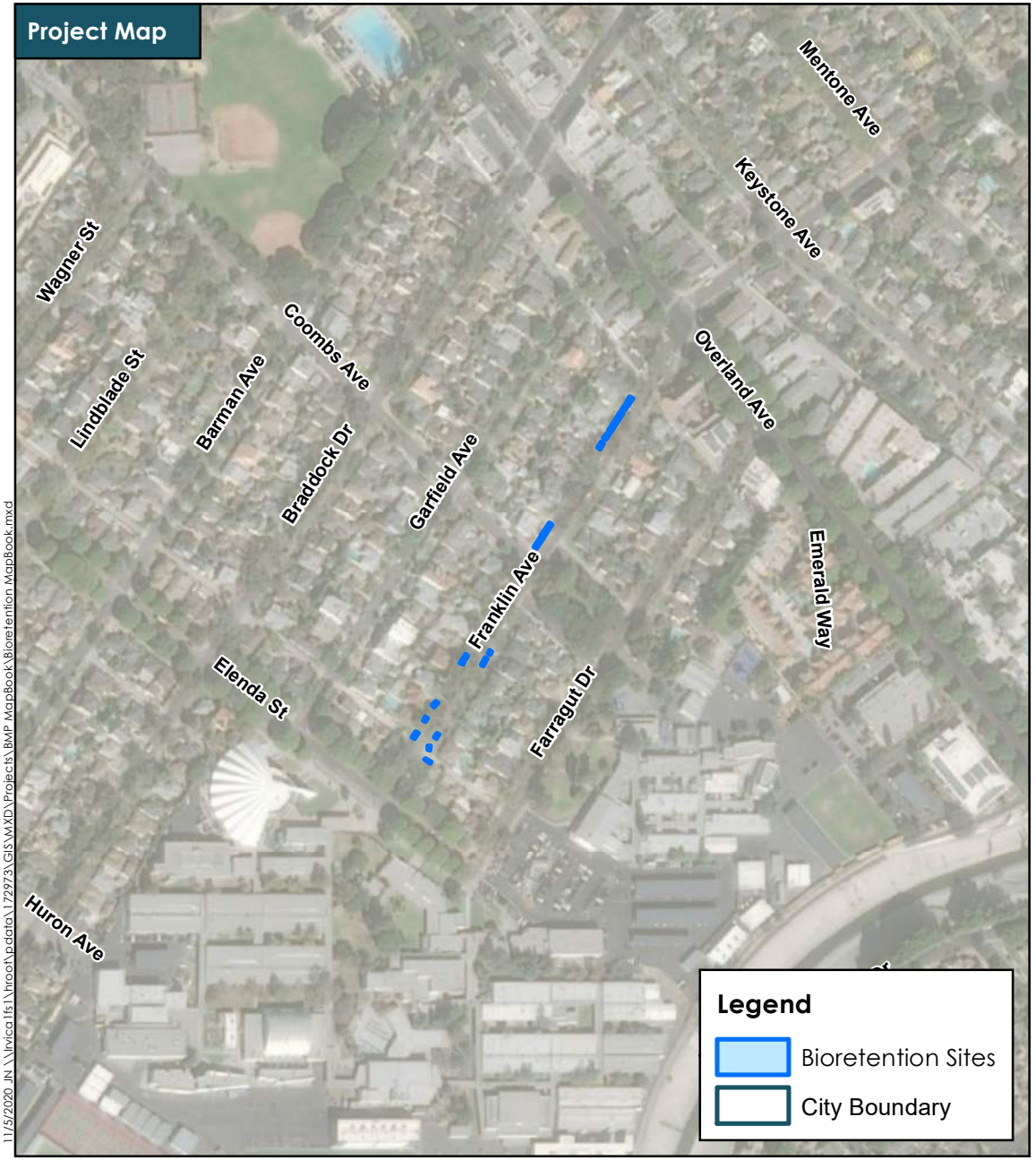
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR89

Project Map



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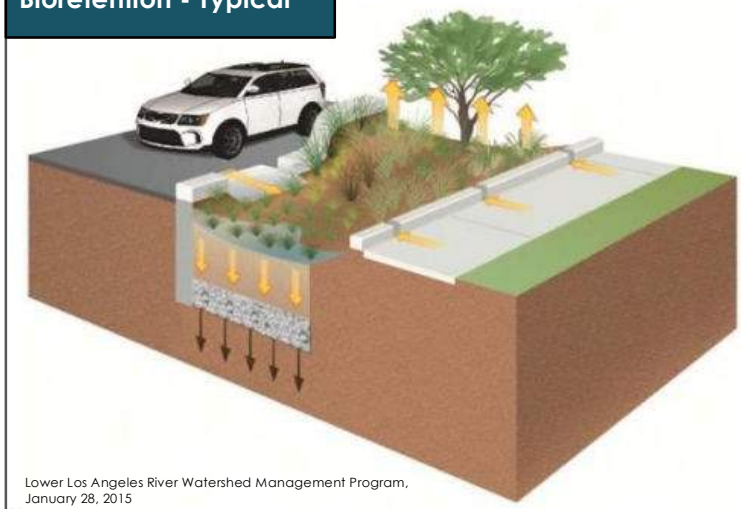
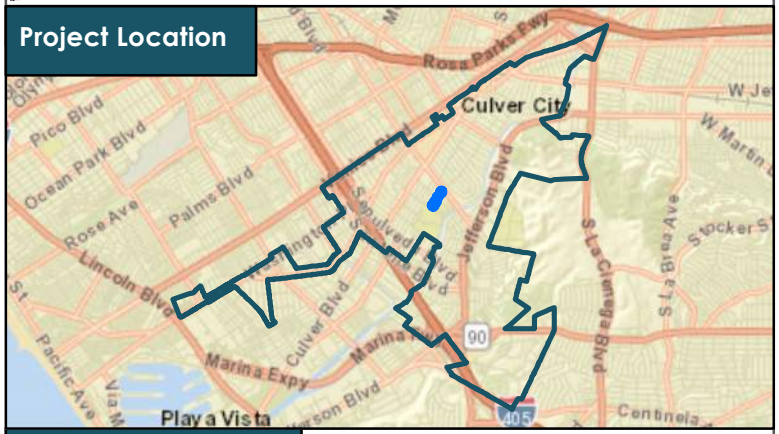
Bioretention - Typical



Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.06
Drainage Area (ac):		0.7
Depth to Groundwater (ft):		32
EWMP Equivalient Volume (ac-ft):		0.03
Cost Estimate:	$	34,367

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

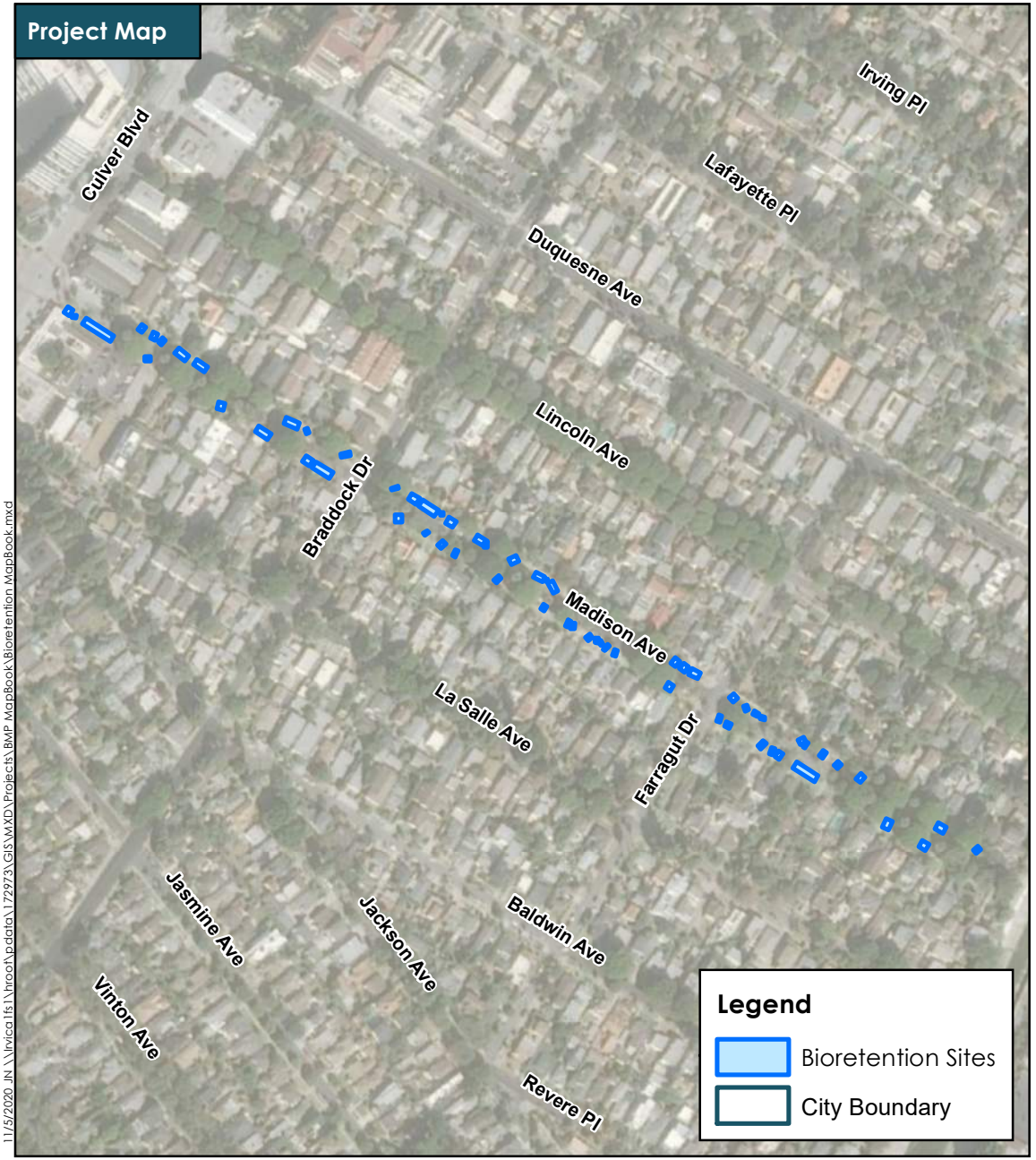
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR90

Project Map



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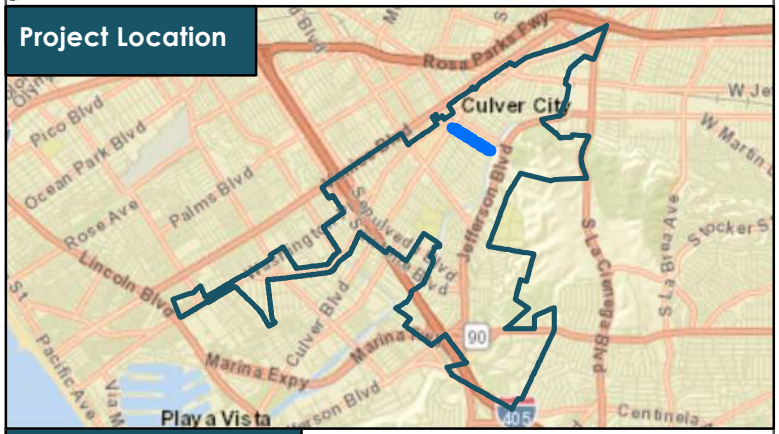
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.4
Drainage Area (ac):		4.91
Depth to Groundwater (ft):		37
EWMP Equivalient Volume (ac-ft):		0.14
Cost Estimate:	$	240,459

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

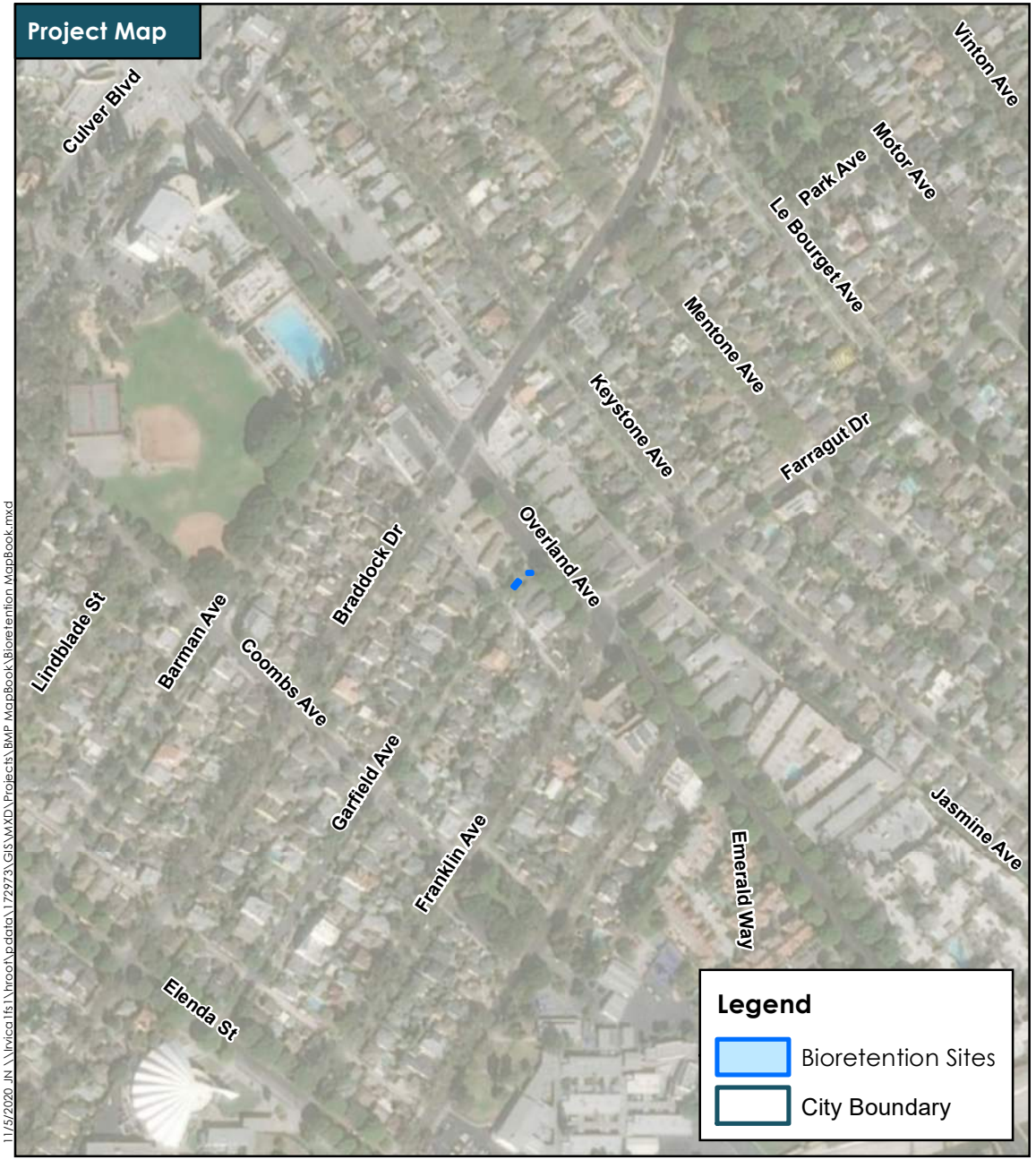
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR91

Project Map



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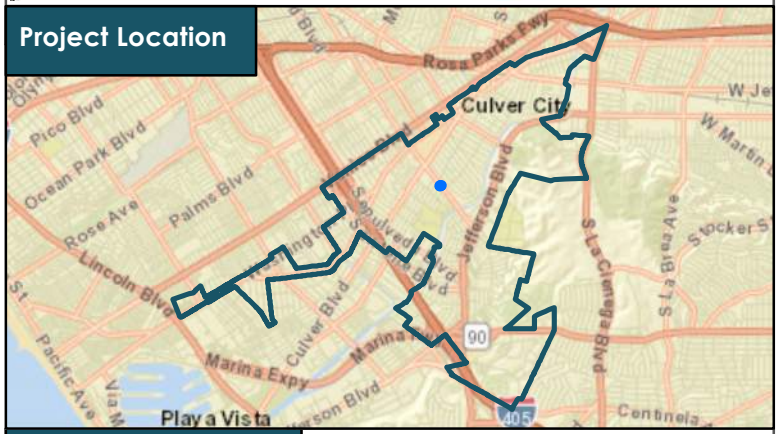
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0
Drainage Area (ac):		0.04
Depth to Groundwater (ft):		30
EWMP Equivalient Volume (ac-ft):		0
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

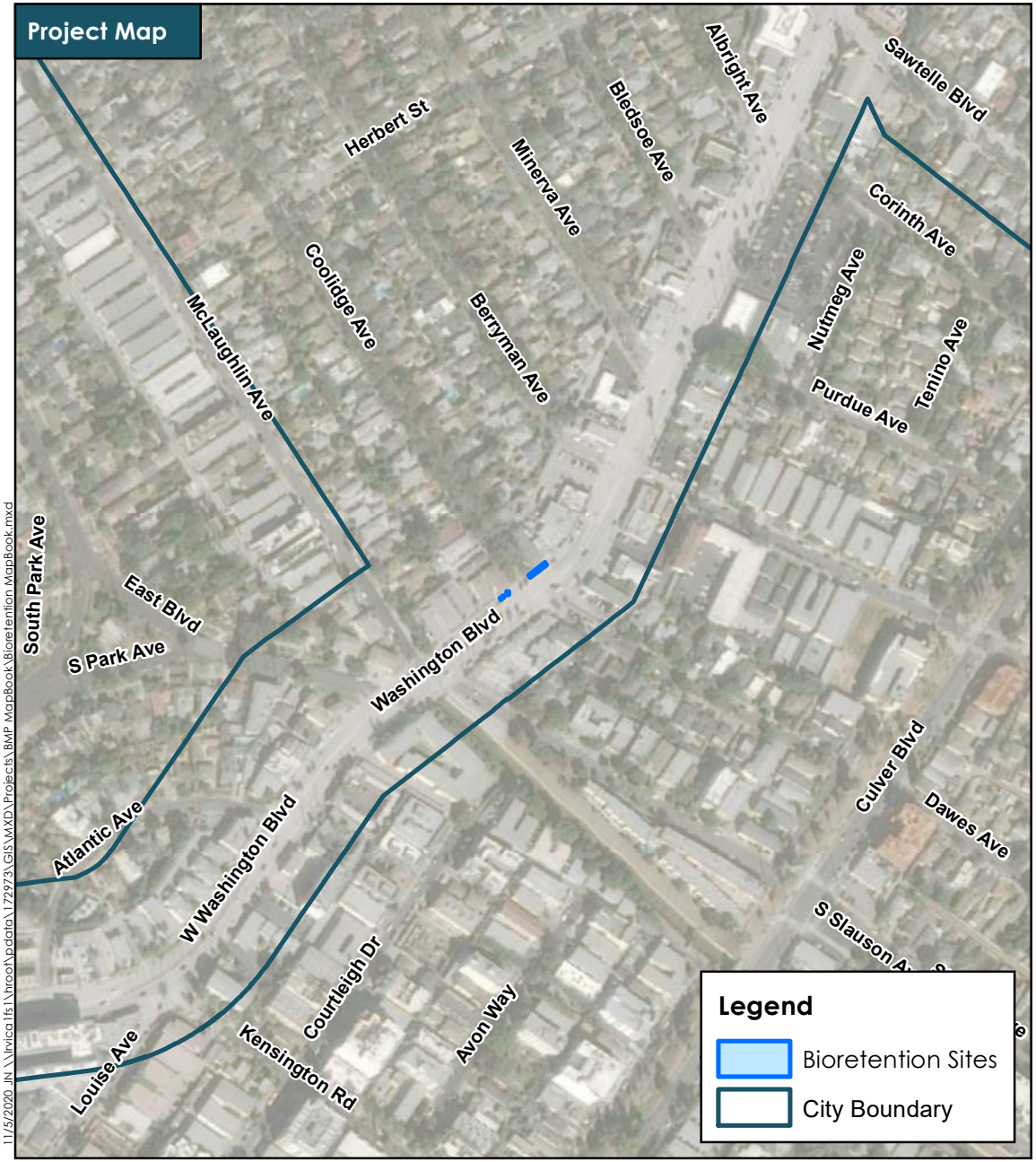
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR92

Project Map



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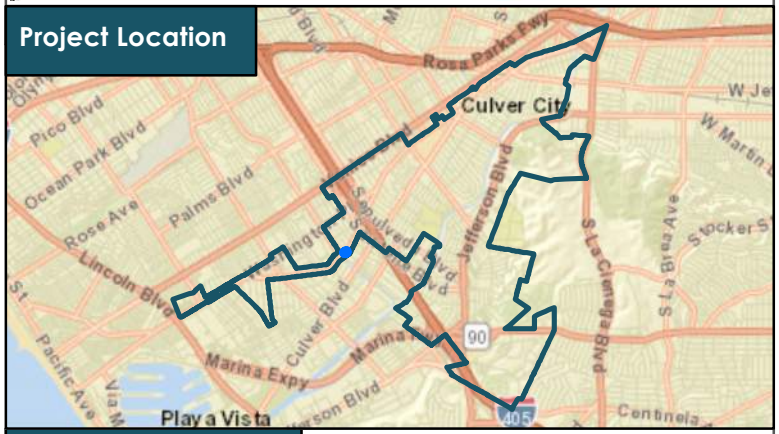
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.01
Drainage Area (ac):		0.11
Depth to Groundwater (ft):		33
EWMP Equivalient Volume (ac-ft):		0.01
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR93

Project Map

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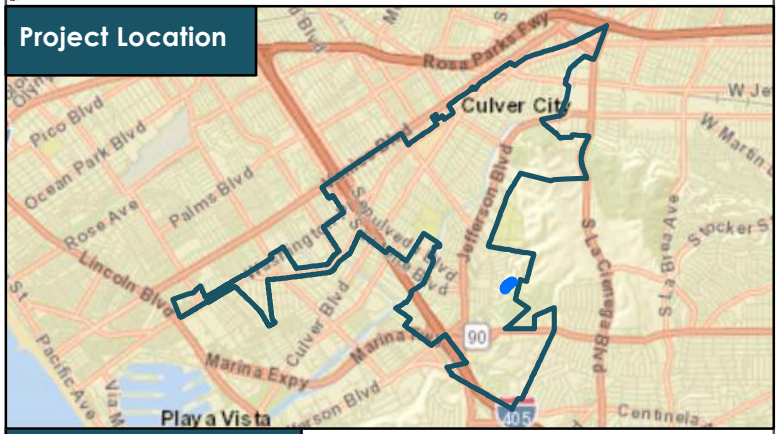
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.03
Drainage Area (ac):		0.31
Depth to Groundwater (ft):		114
EWMP Equivalient Volume (ac-ft):		0.01
Cost Estimate:	$	15,110

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

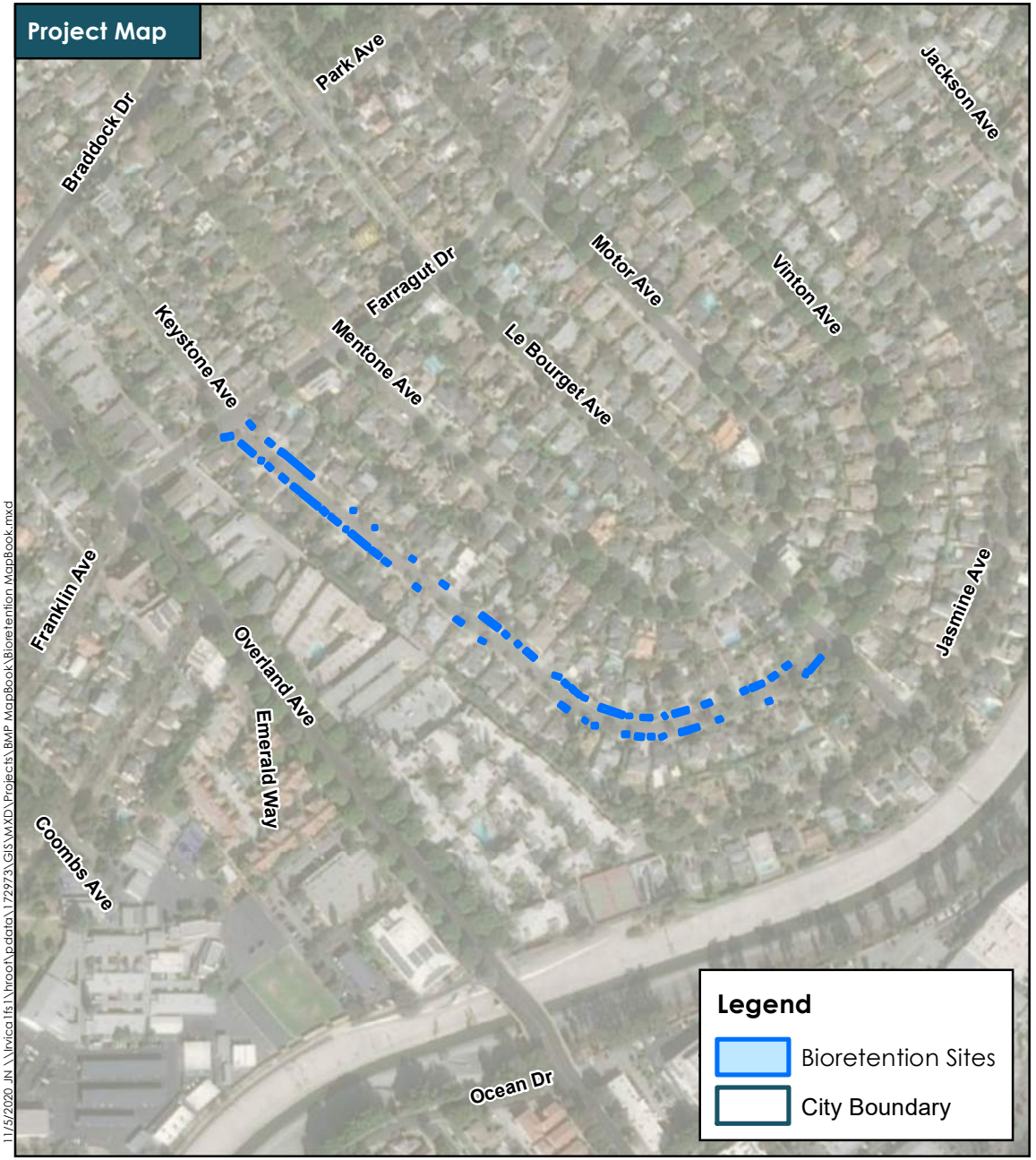
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR94

Project Map



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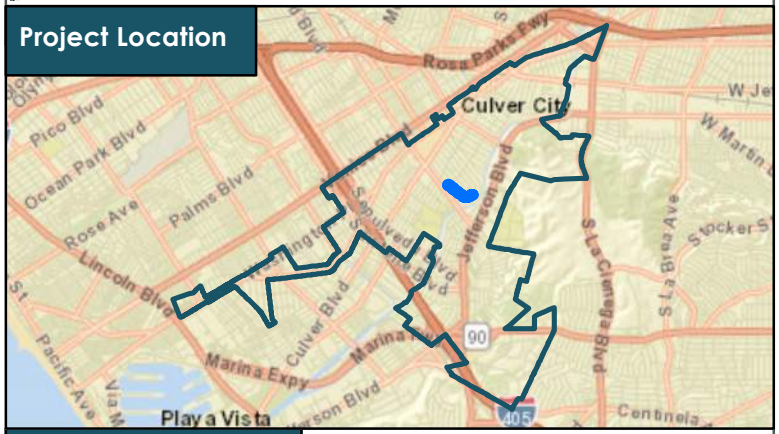
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.33
Drainage Area (ac):		3.99
Depth to Groundwater (ft):		30
EWMP Equivalient Volume (ac-ft):		0.18
Cost Estimate:	$	195,563

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

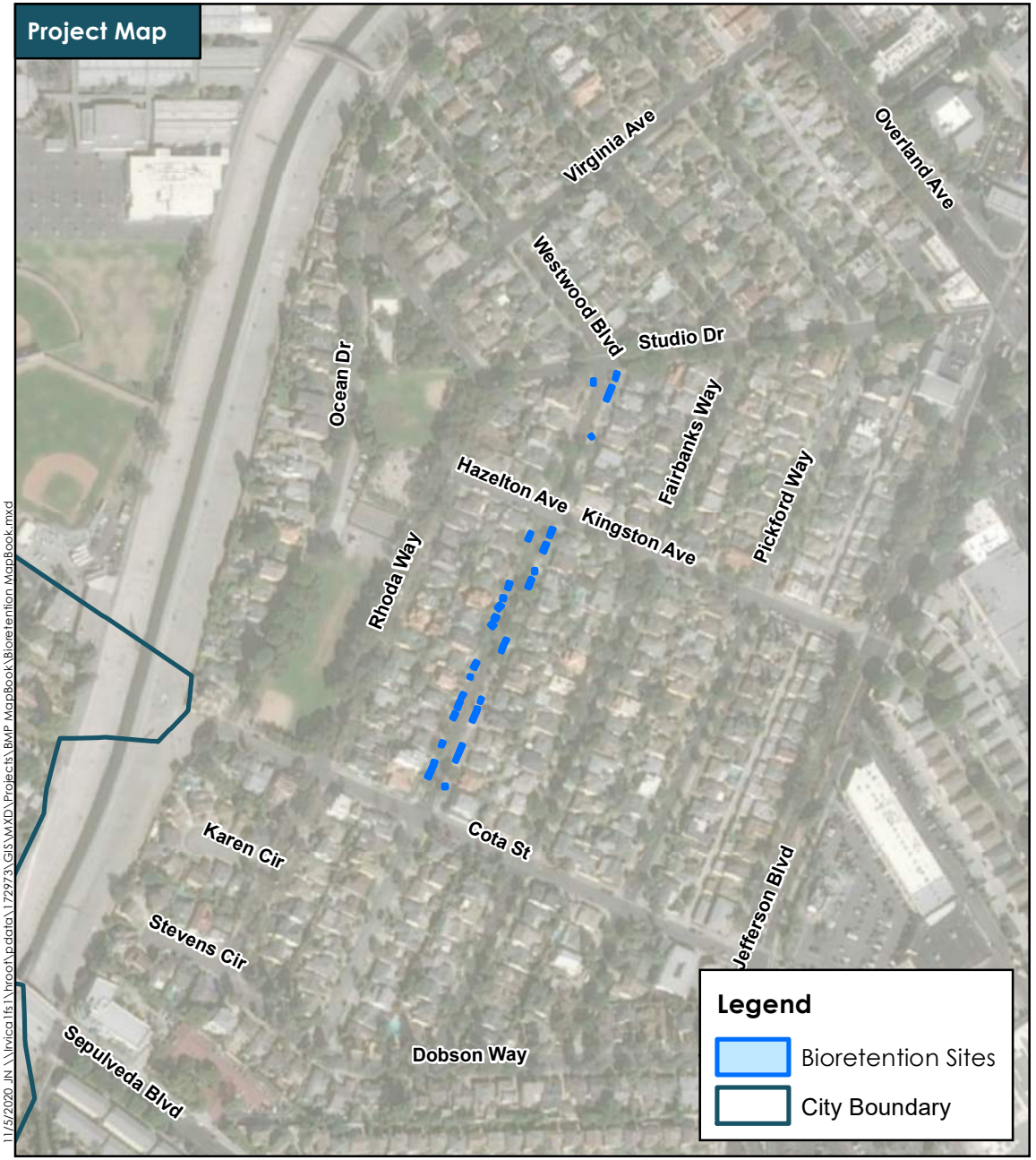
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR95

Project Map



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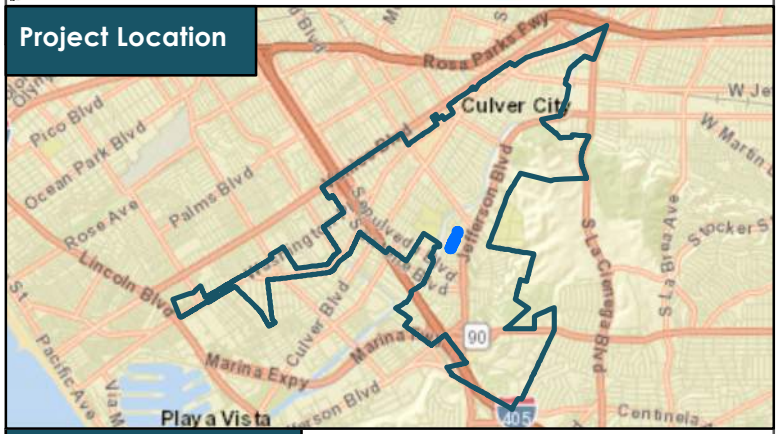
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.09
Drainage Area (ac):		1.07
Depth to Groundwater (ft):		25
EWMP Equivalient Volume (ac-ft):		0.08
Cost Estimate:	$	52,440

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

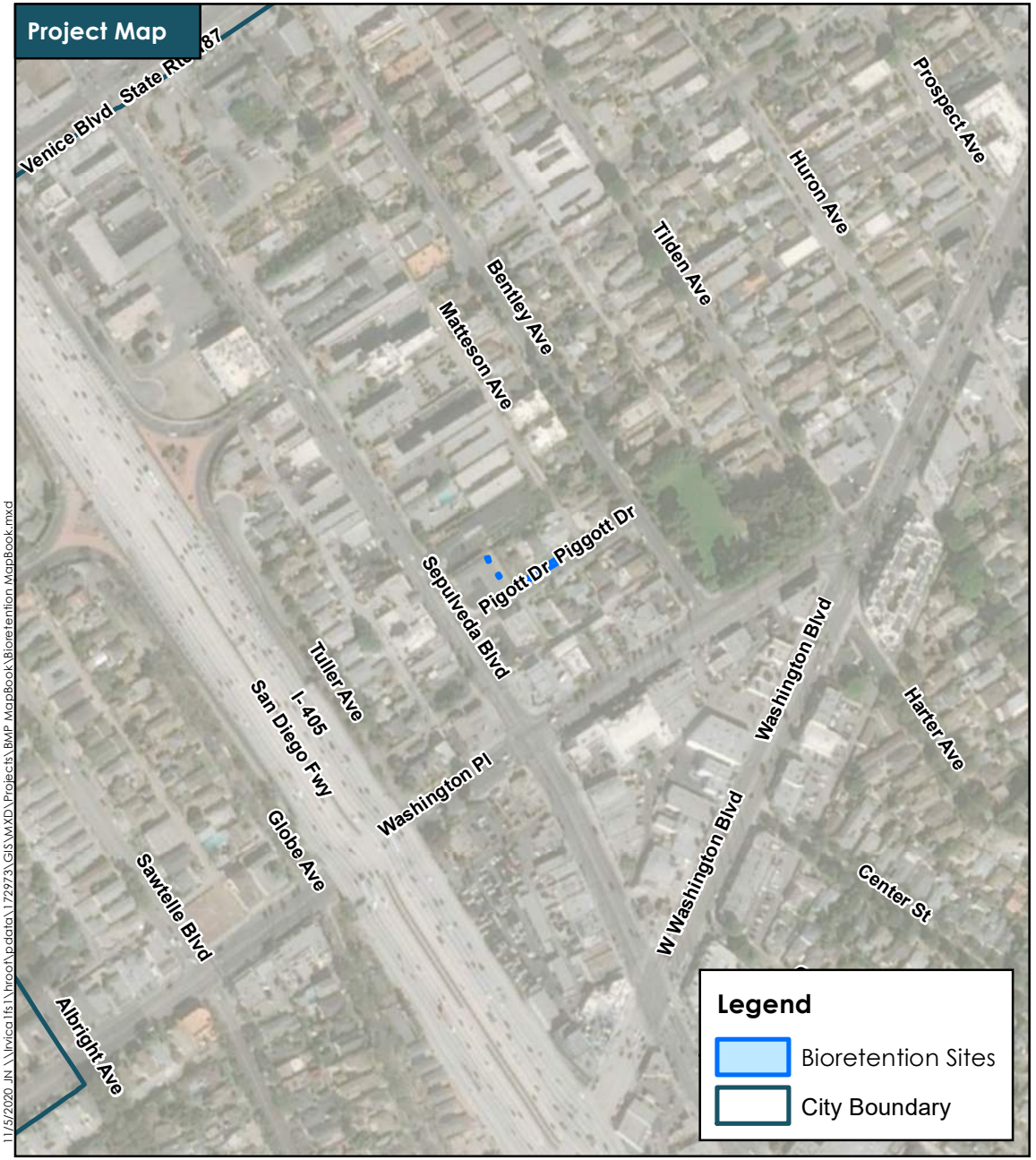
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR96

Project Map



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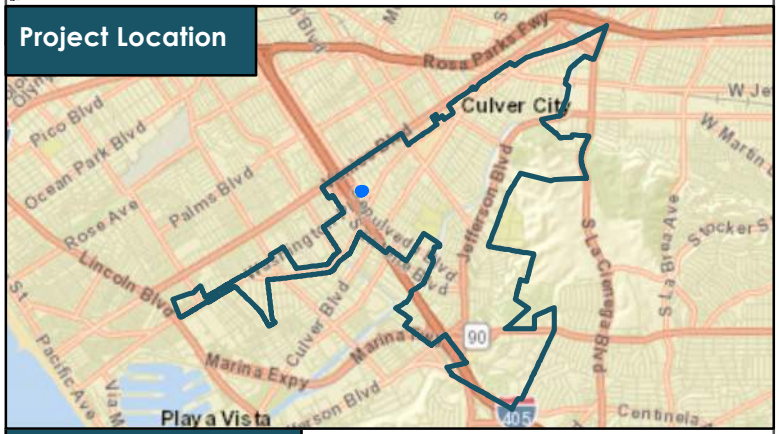
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.04
Drainage Area (ac):		0.43
Depth to Groundwater (ft):		29
EWMP Equivalient Volume (ac-ft):		0.02
Cost Estimate:	$	21,279

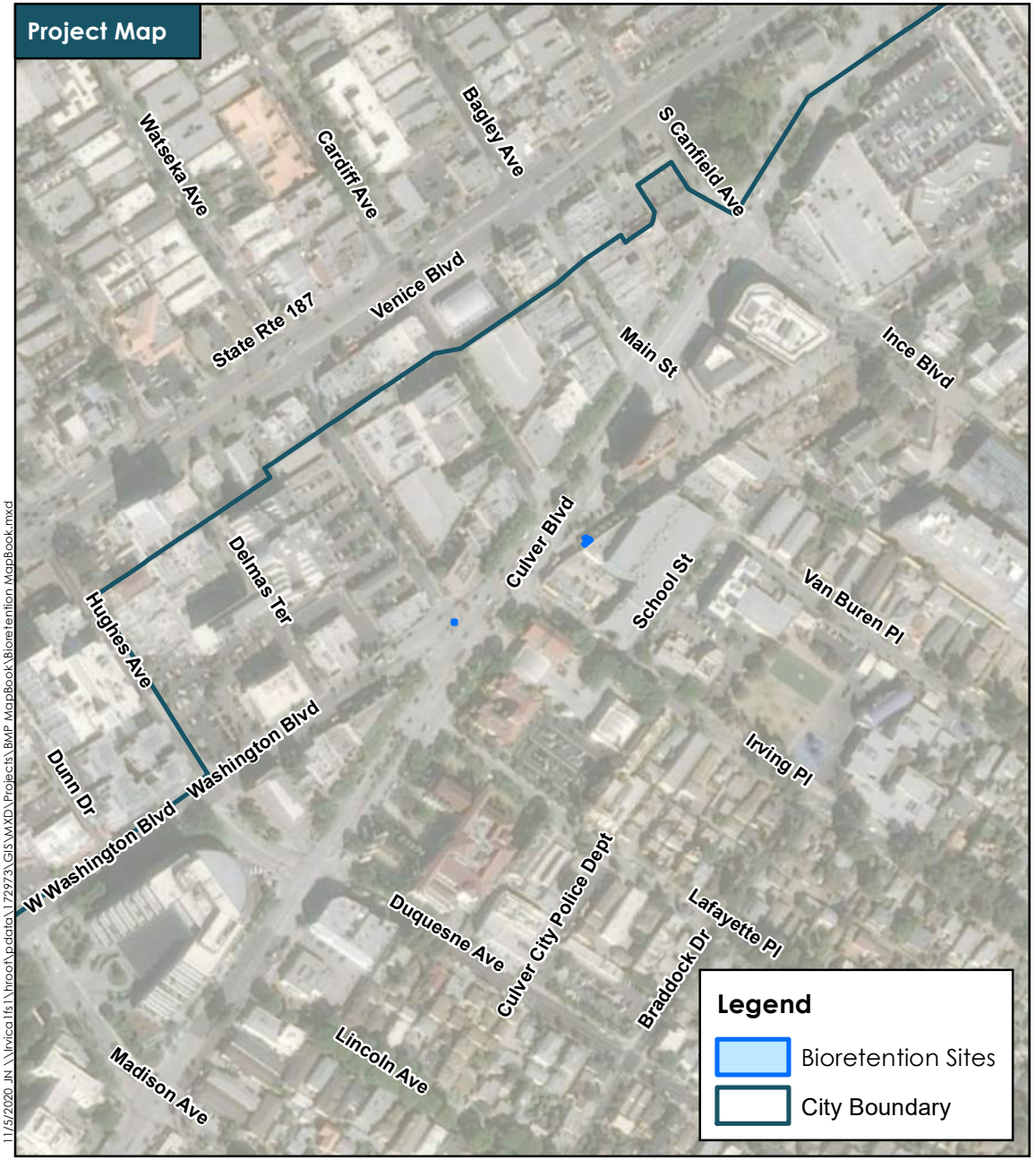
*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR97

Project Map



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Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location

Project Information

Storage Capcity (ac-ft):		0
Drainage Area (ac):		0.04
Depth to Groundwater (ft):		64
EWMP Equivalient Volume (ac-ft):		0
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

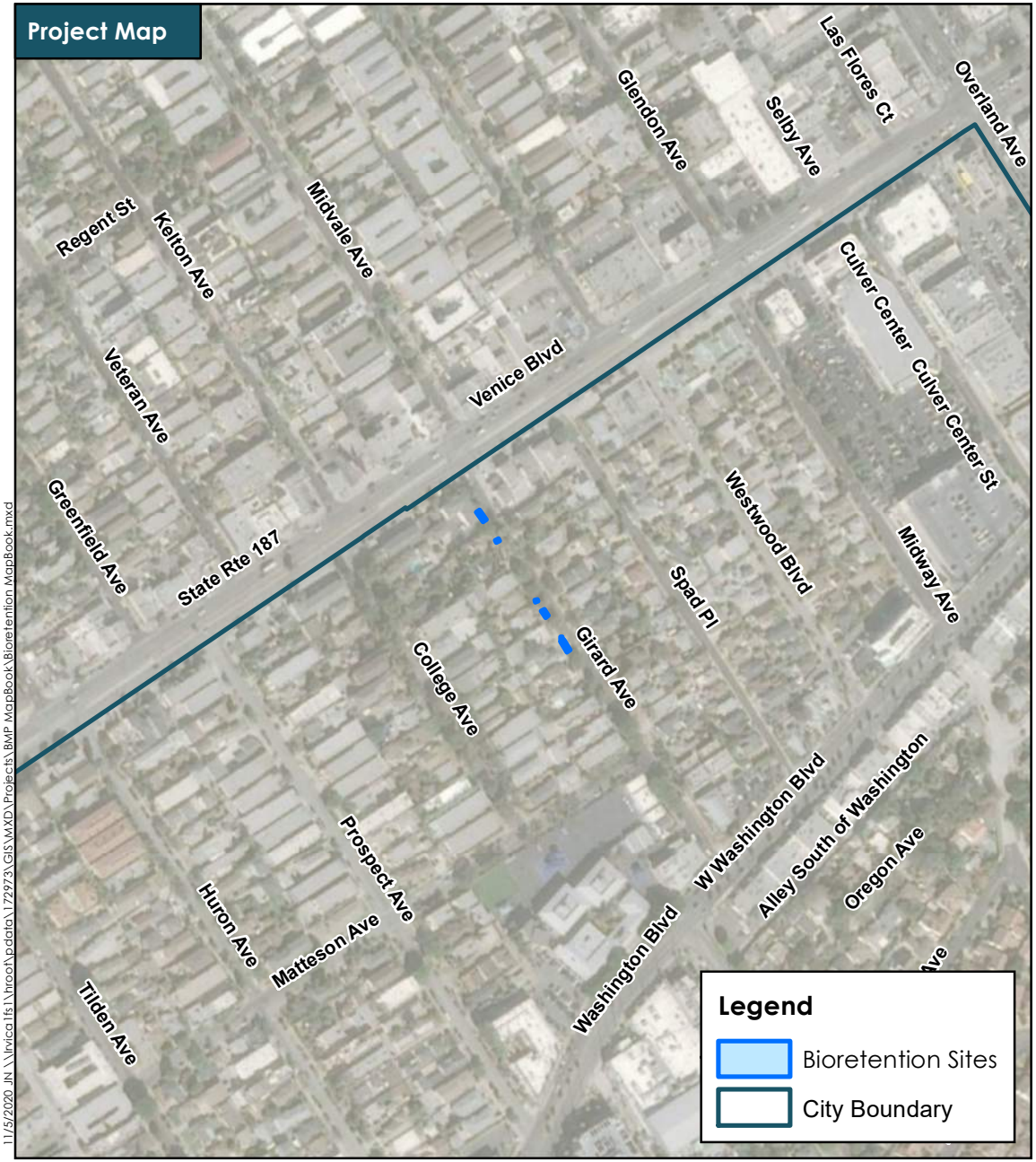
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR98

Project Map



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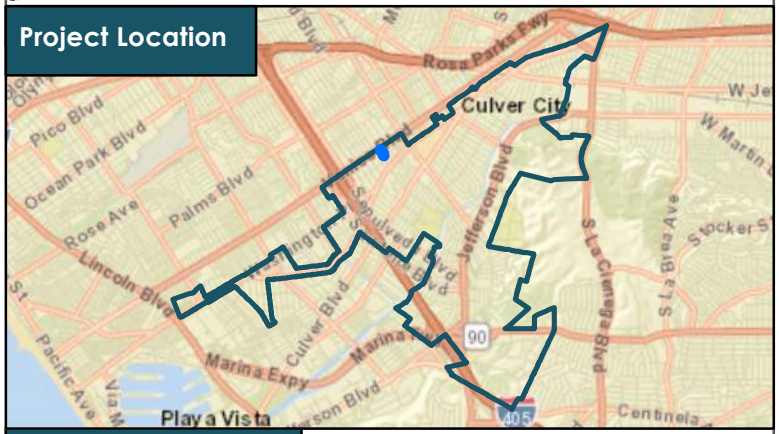
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.03
Drainage Area (ac):		0.36
Depth to Groundwater (ft):		45
EWMP Equivalient Volume (ac-ft):		0.02
Cost Estimate:	$	17,446

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

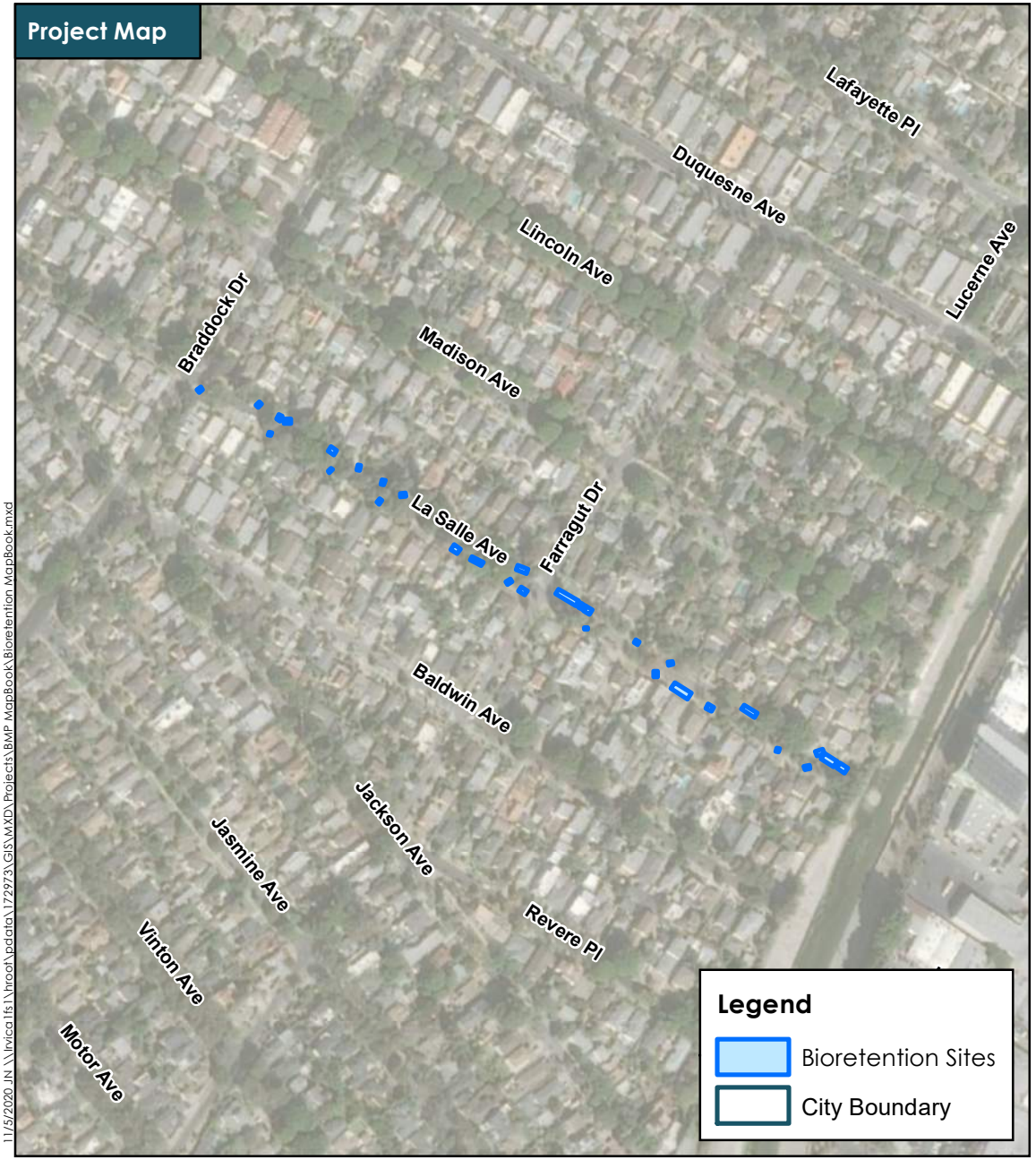
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR99

Project Map



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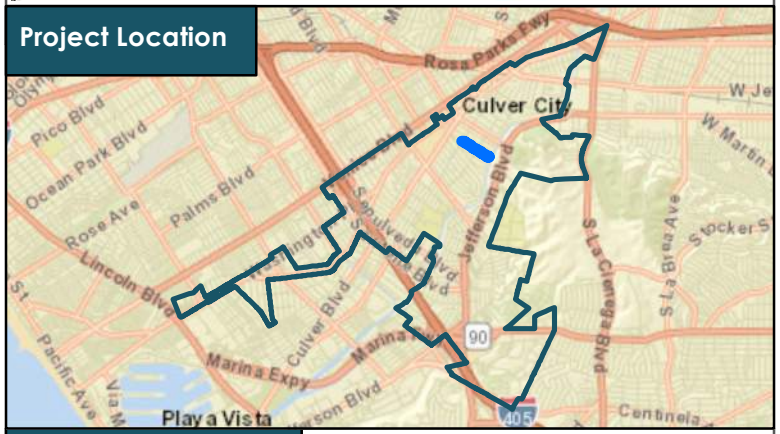
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.17
Drainage Area (ac):		2.12
Depth to Groundwater (ft):		30
EWMP Equivalient Volume (ac-ft):		0.06
Cost Estimate:	$	103,847

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

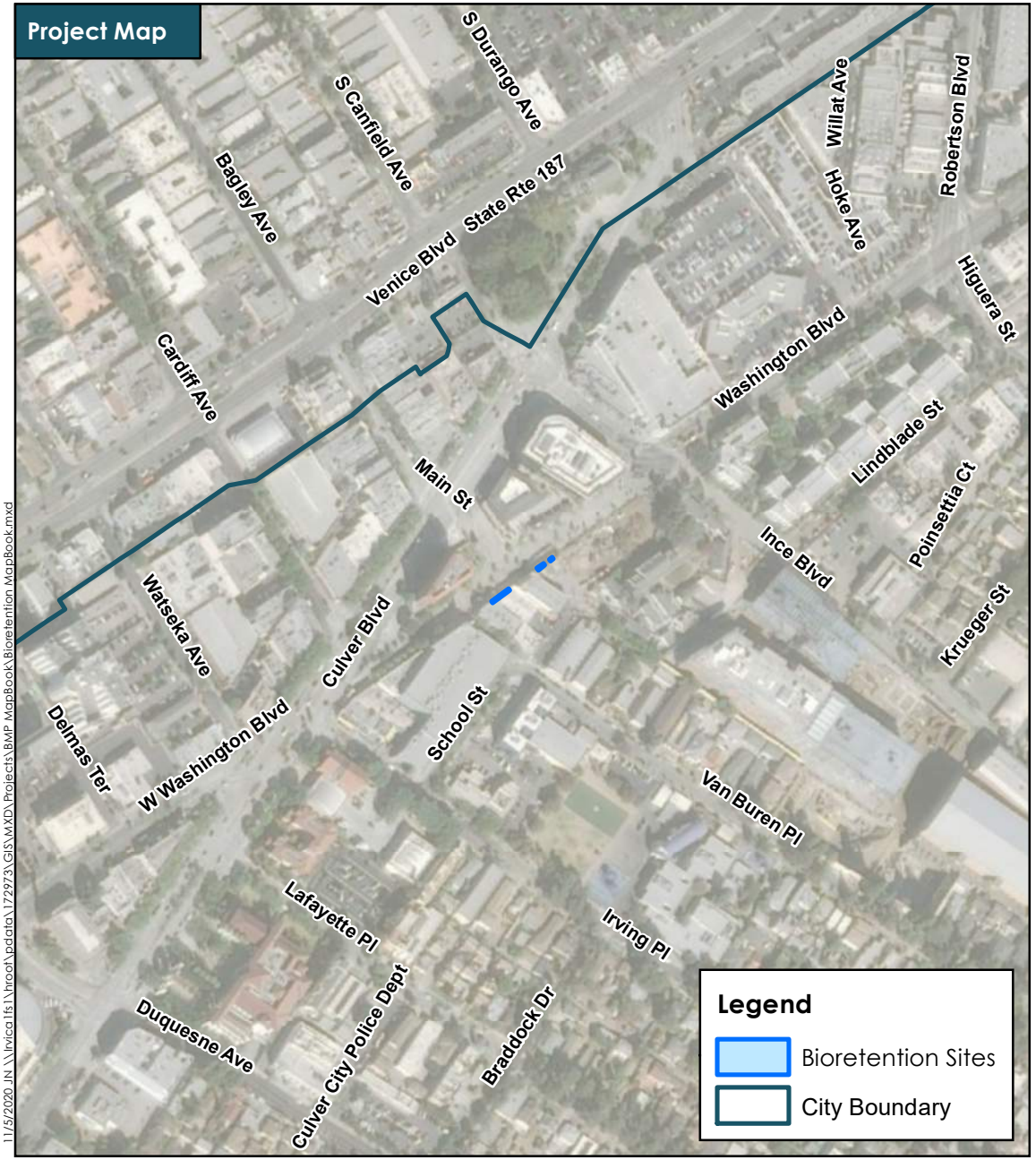
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR100

Project Map



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Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location

Project Information

Storage Capcity (ac-ft):		0.01
Drainage Area (ac):		0.11
Depth to Groundwater (ft):		64
EWMP Equivalient Volume (ac-ft):		0
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

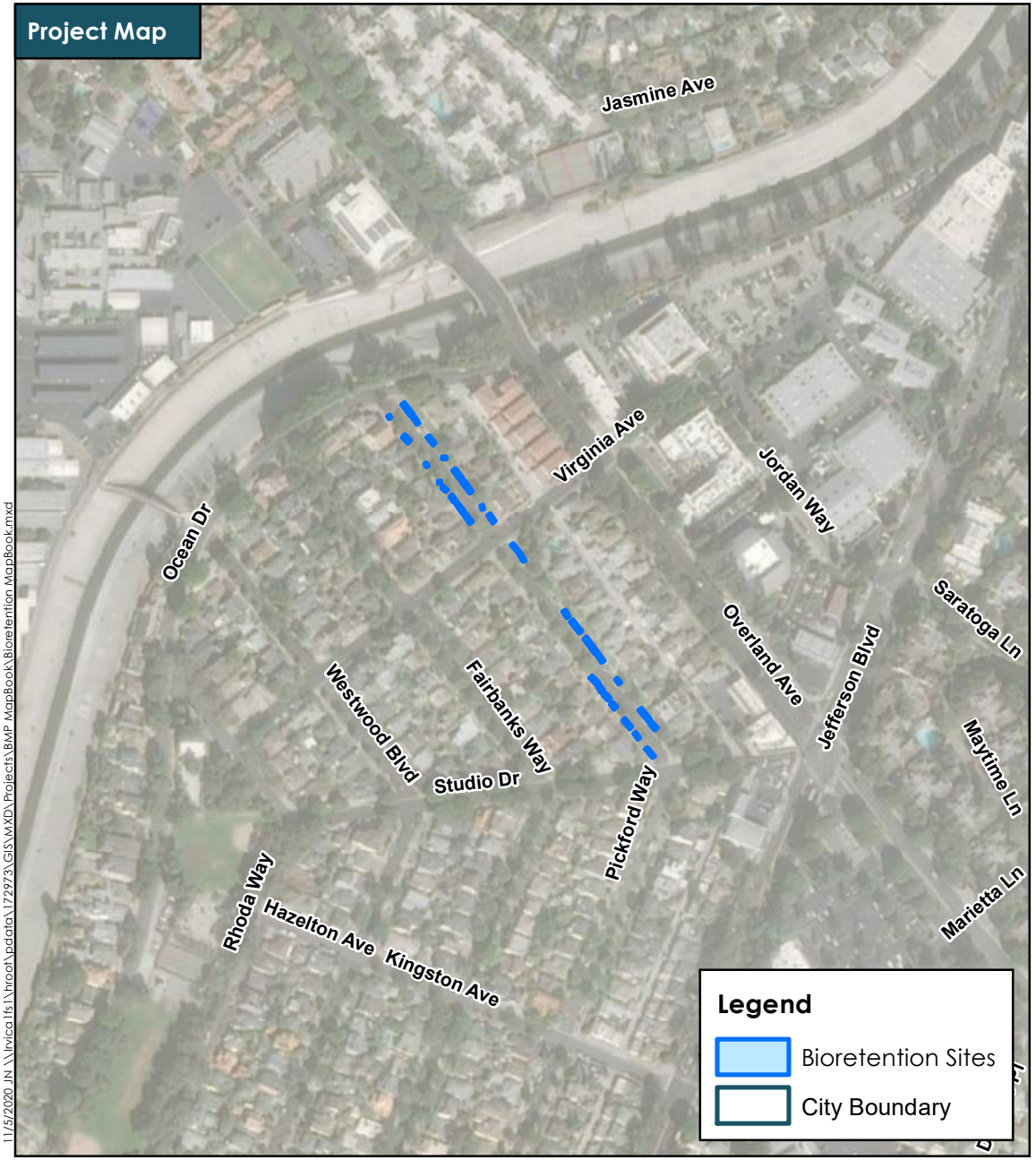
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR101

Project Map



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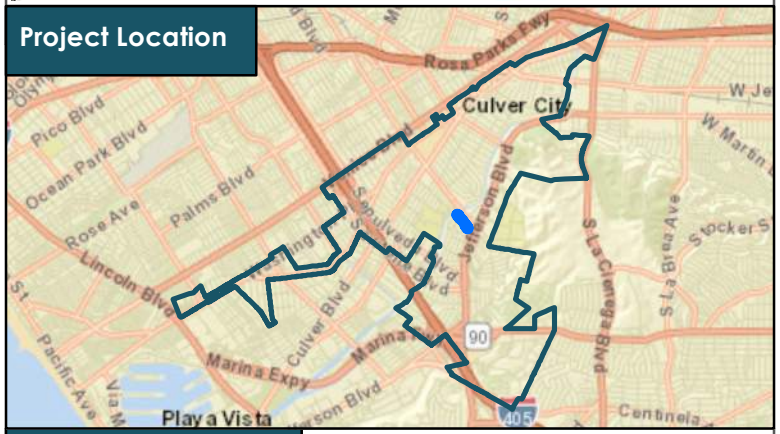
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.18
Drainage Area (ac):		2.16
Depth to Groundwater (ft):		33
EWMP Equivalient Volume (ac-ft):		0.16
Cost Estimate:	$	105,815

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

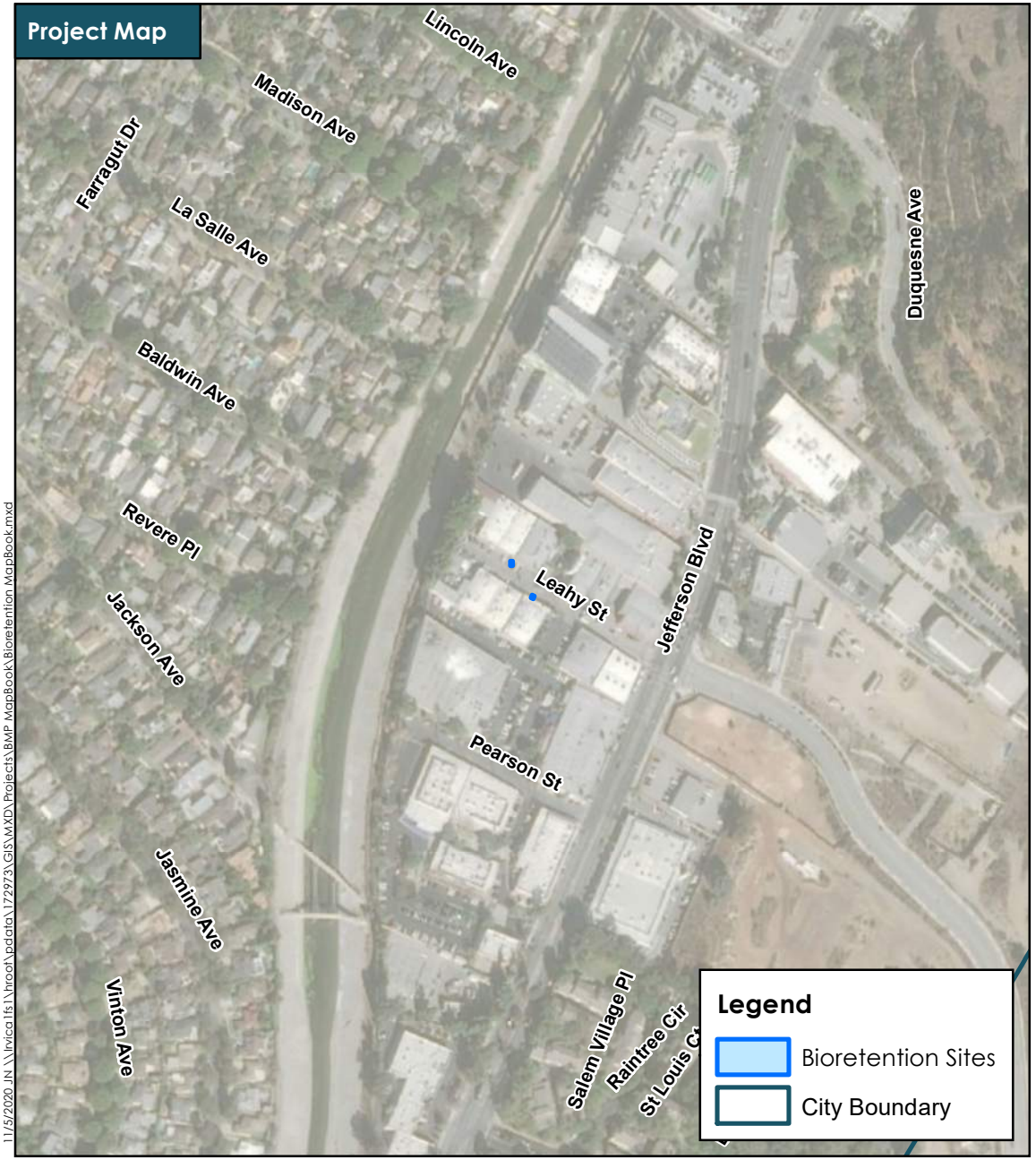
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR102

Project Map

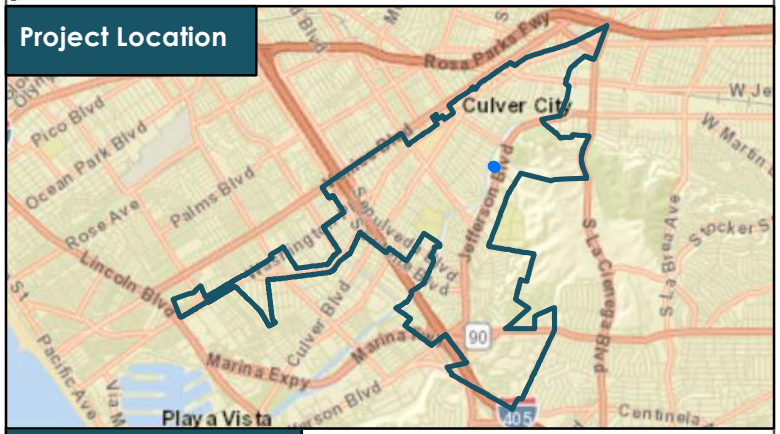


11/5/2020 JN \\Irvlca1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0
Drainage Area (ac):		0.02
Depth to Groundwater (ft):		38
EWMP Equivalient Volume (ac-ft):		0
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR103

Project Map

11/5/2020 JN \\Irvlocal1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location

Project Information

Storage Capcity (ac-ft):		0.03
Drainage Area (ac):		0.42
Depth to Groundwater (ft):		21
EWMP Equivalient Volume (ac-ft):		0.03
Cost Estimate:	$	20,739

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

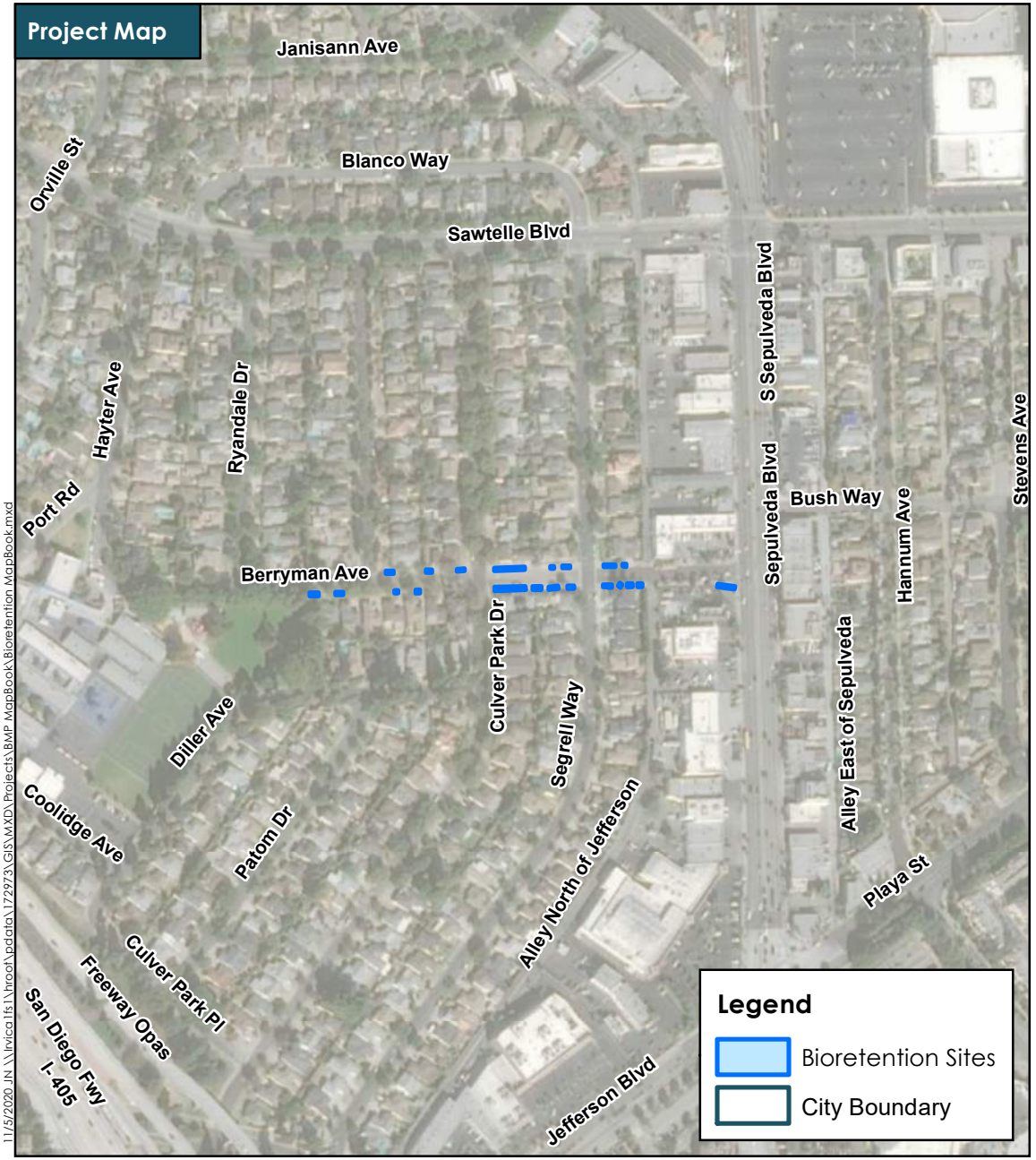
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR104

Project Map



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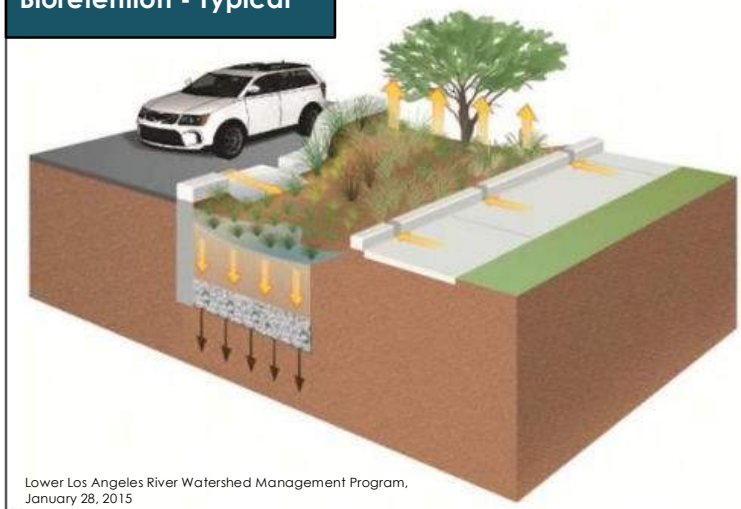
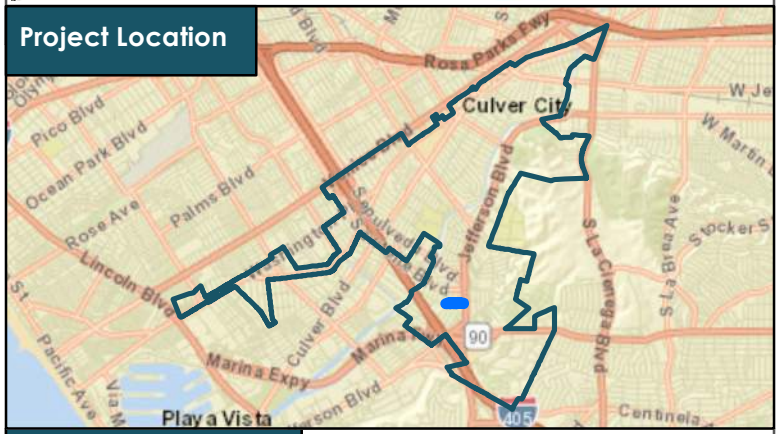
Bioretention - Typical



Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.08
Drainage Area (ac):		0.98
Depth to Groundwater (ft):		18
EWMP Equivalient Volume (ac-ft):		0.07
Cost Estimate:	$	48,024

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

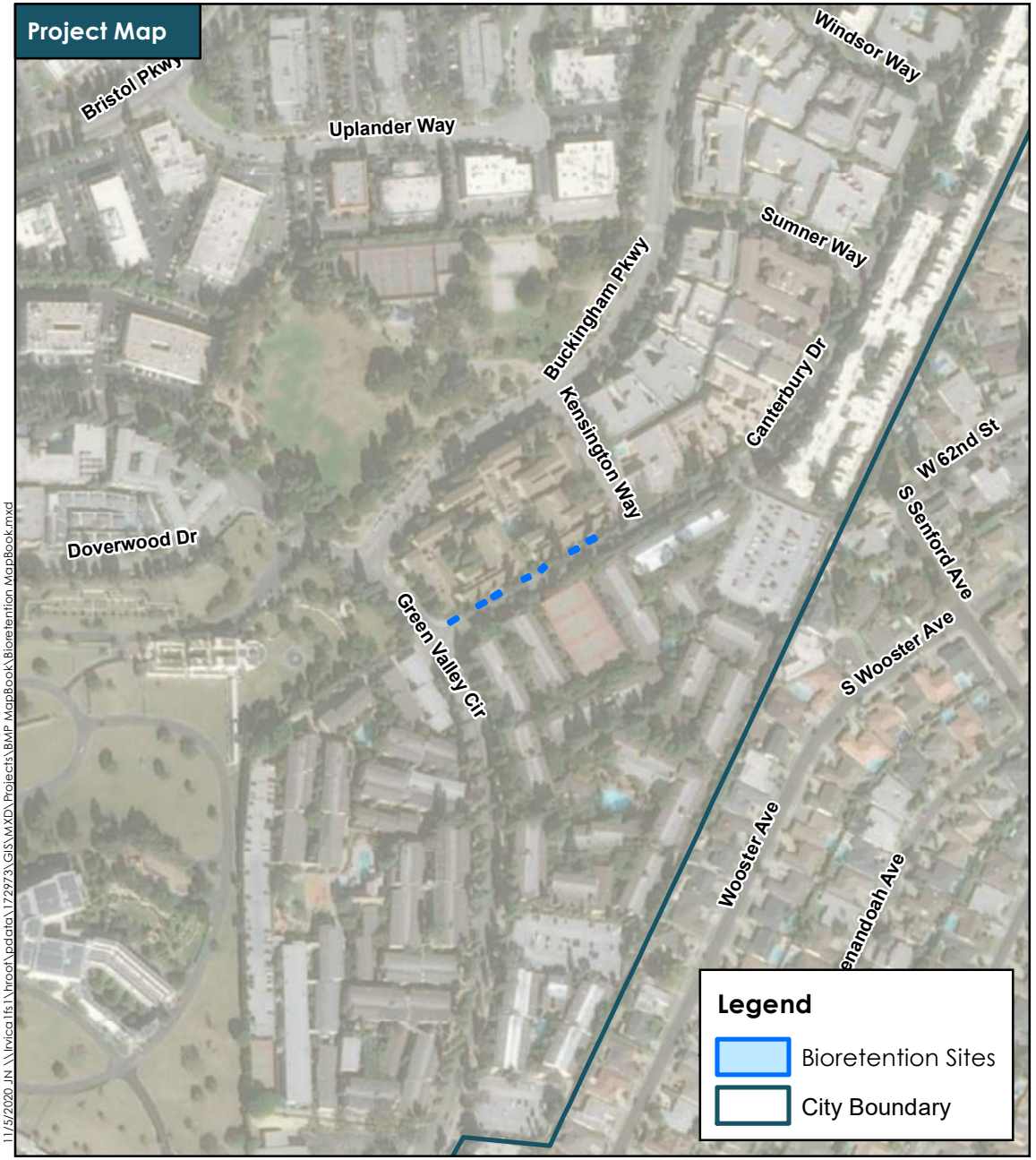
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR105

Project Map



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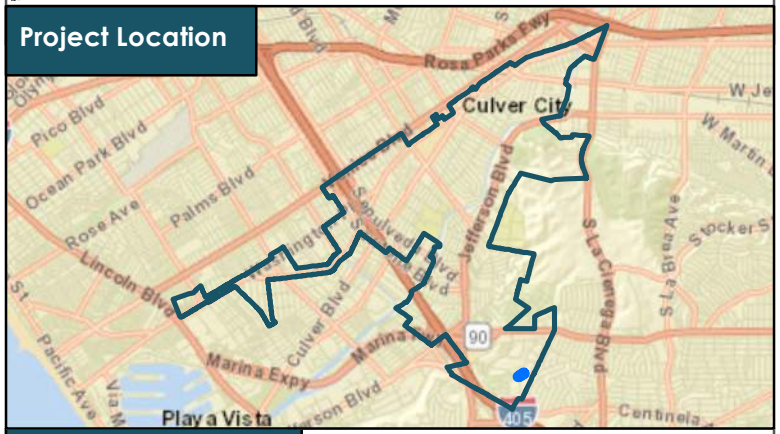
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.02
Drainage Area (ac):		0.19
Depth to Groundwater (ft):		69
EWMP Equivalient Volume (ac-ft):		0.01
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

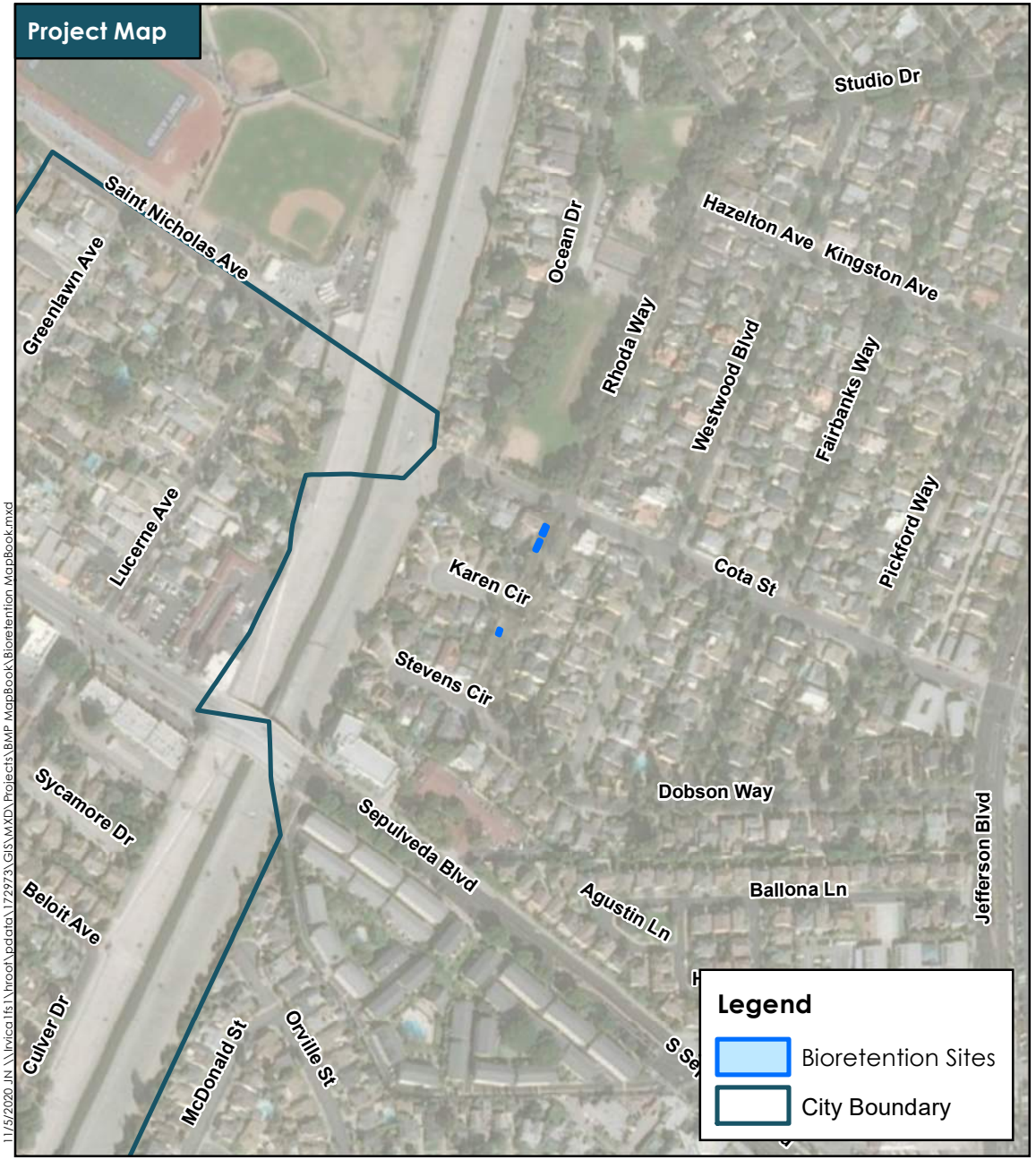
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR106

Project Map



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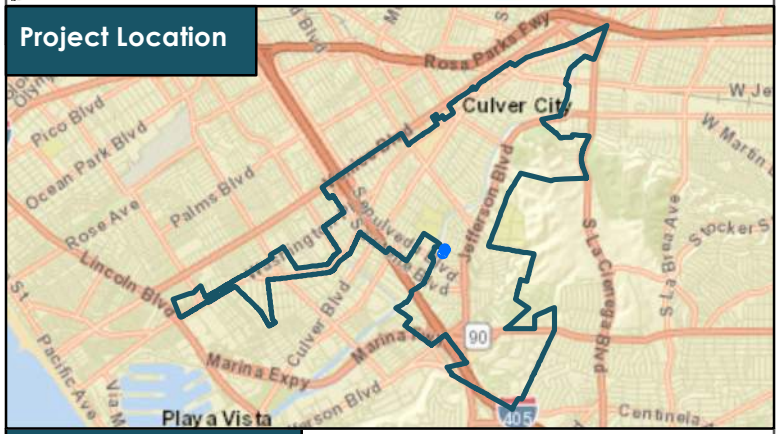
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.01
Drainage Area (ac):		0.12
Depth to Groundwater (ft):		21
EWMP Equivalient Volume (ac-ft):		0.01
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

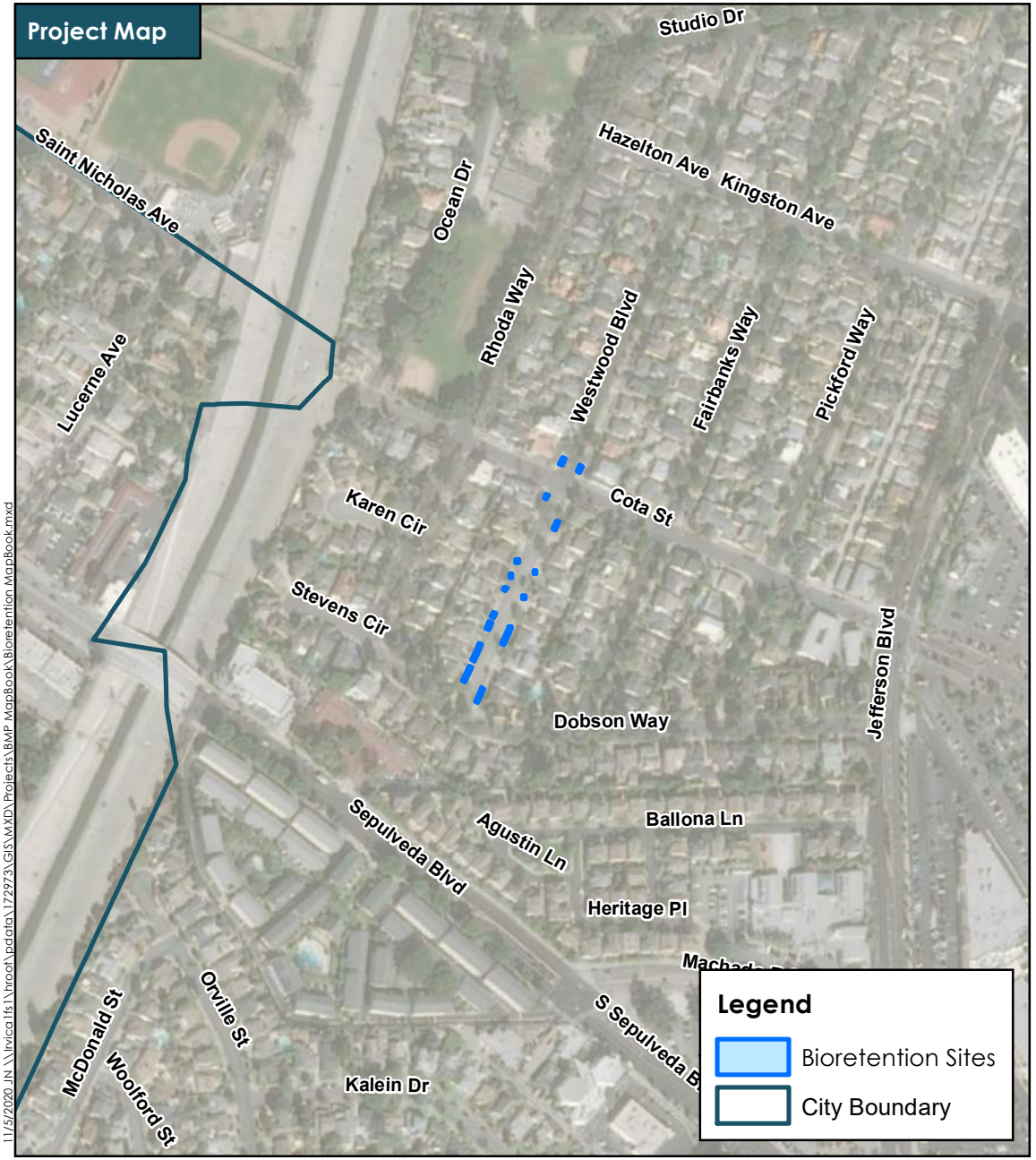
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR107

Project Map



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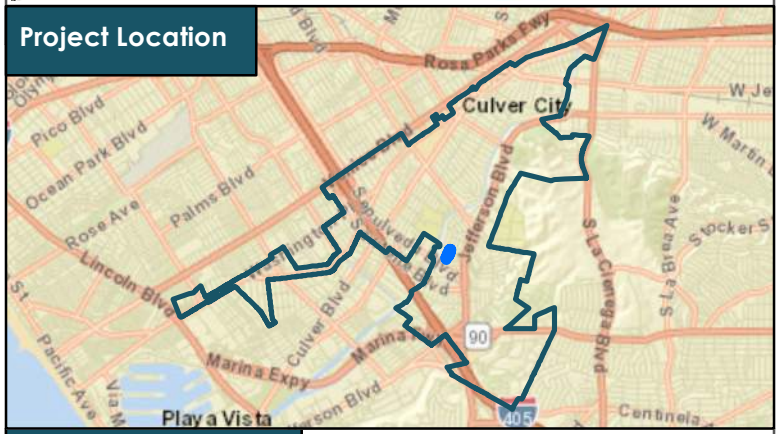
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.06
Drainage Area (ac):		0.67
Depth to Groundwater (ft):		20
EWMP Equivalient Volume (ac-ft):		0.05
Cost Estimate:	$	32,943

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

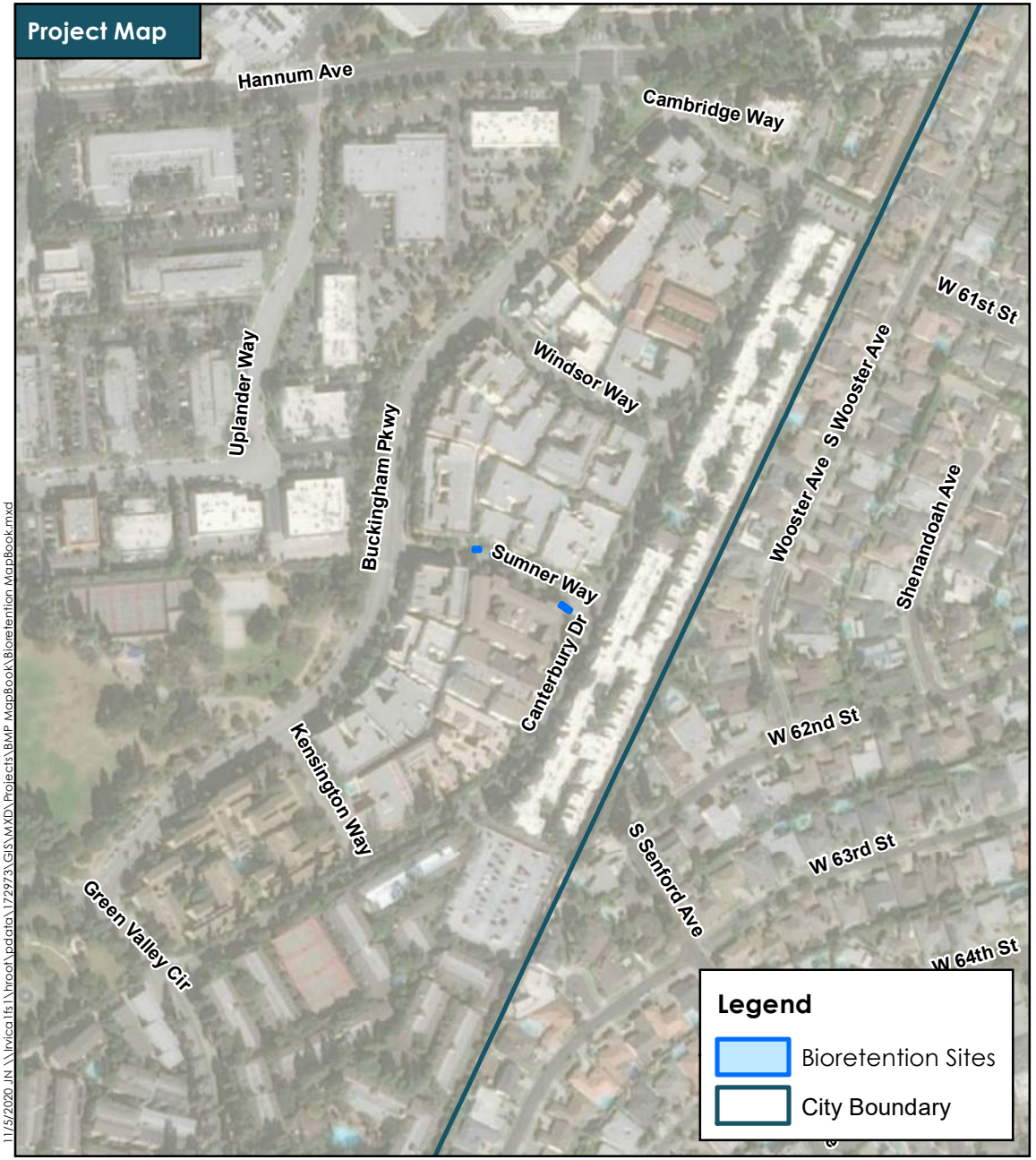
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR108

Project Map

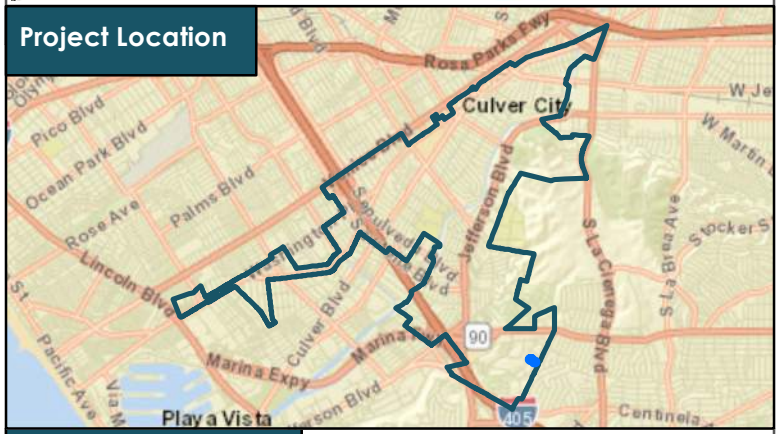


11/5/2020 JN \\Irvlcal1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.01
Drainage Area (ac):		0.14
Depth to Groundwater (ft):		80
EWMP Equivalient Volume (ac-ft):		0
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

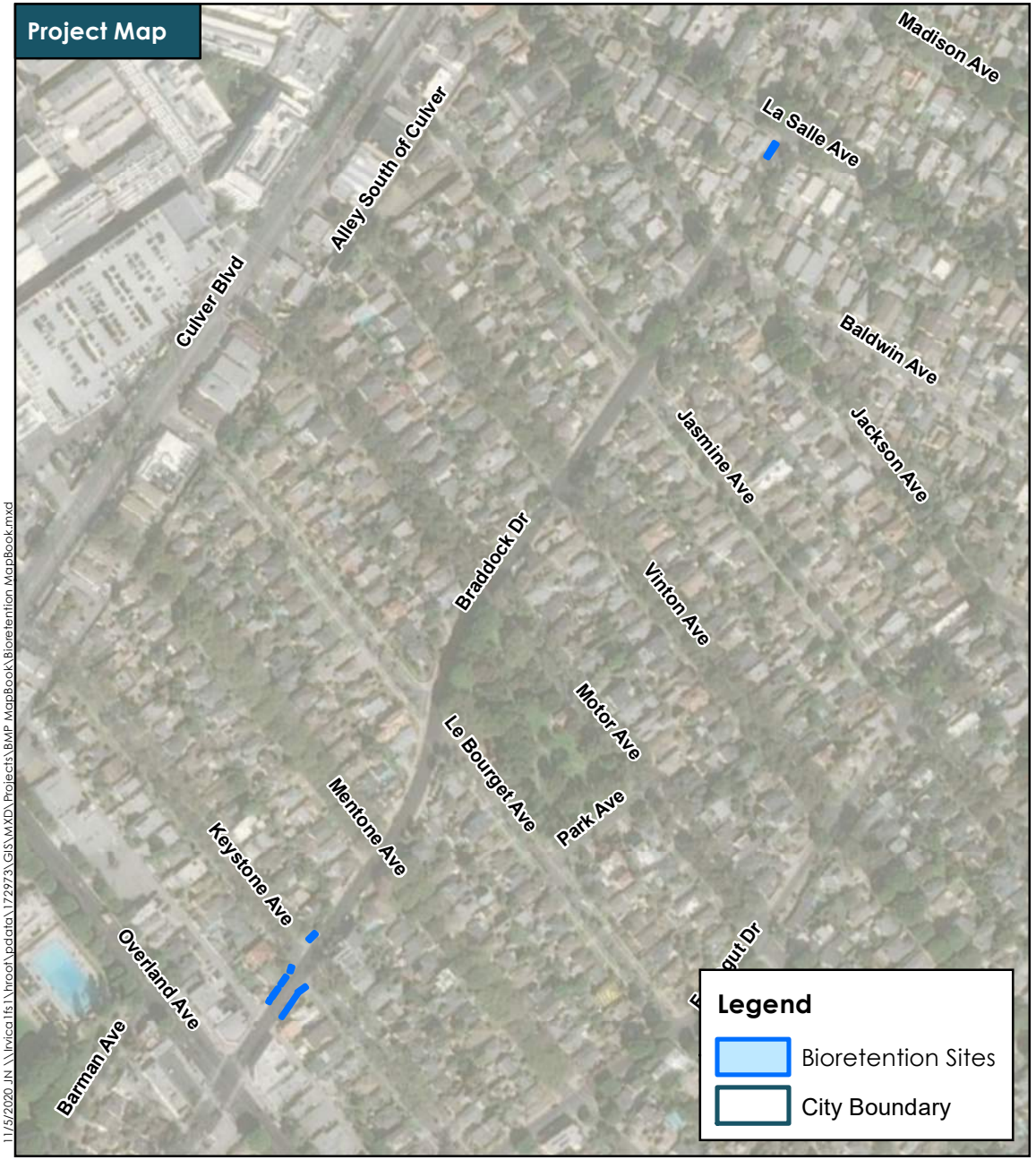
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR109

Project Map

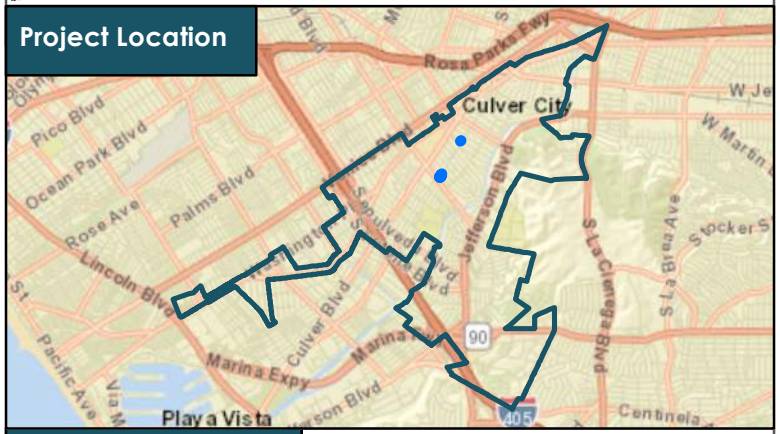


11/5/2020 JN \\Irvlca1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.04
Drainage Area (ac):		0.46
Depth to Groundwater (ft):		25
EWMP Equivalient Volume (ac-ft):		0.01
Cost Estimate:	$	22,761

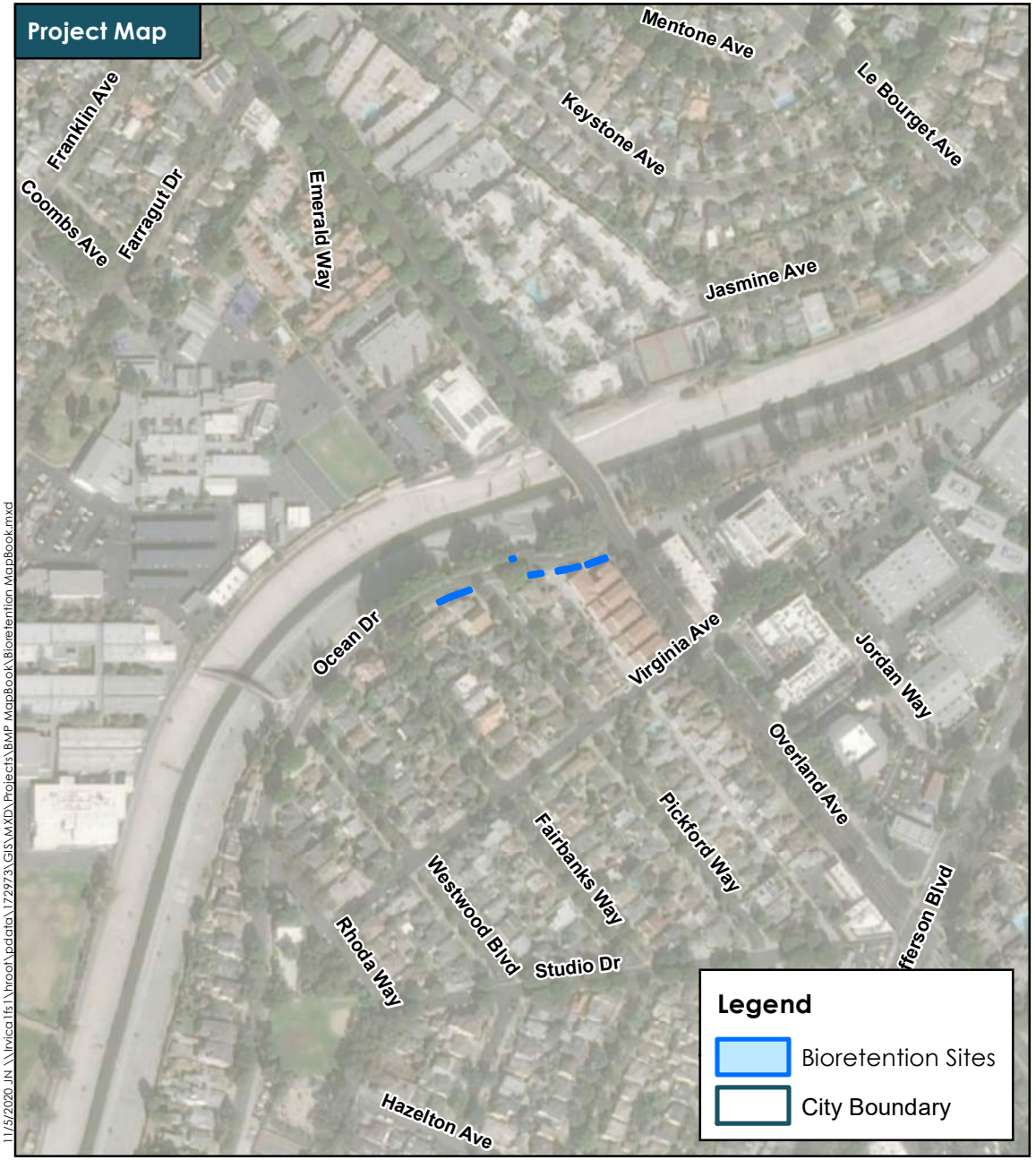
*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR110

Project Map



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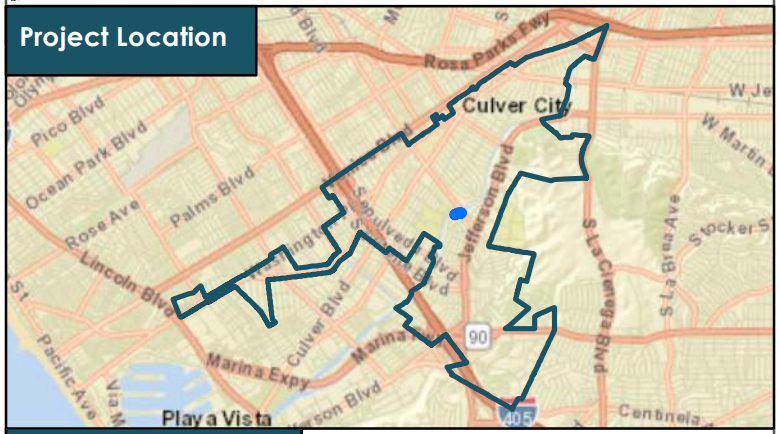
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.03
Drainage Area (ac):		0.33
Depth to Groundwater (ft):		31
EWMP Equivalient Volume (ac-ft):		0.02
Cost Estimate:	$	16,096

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

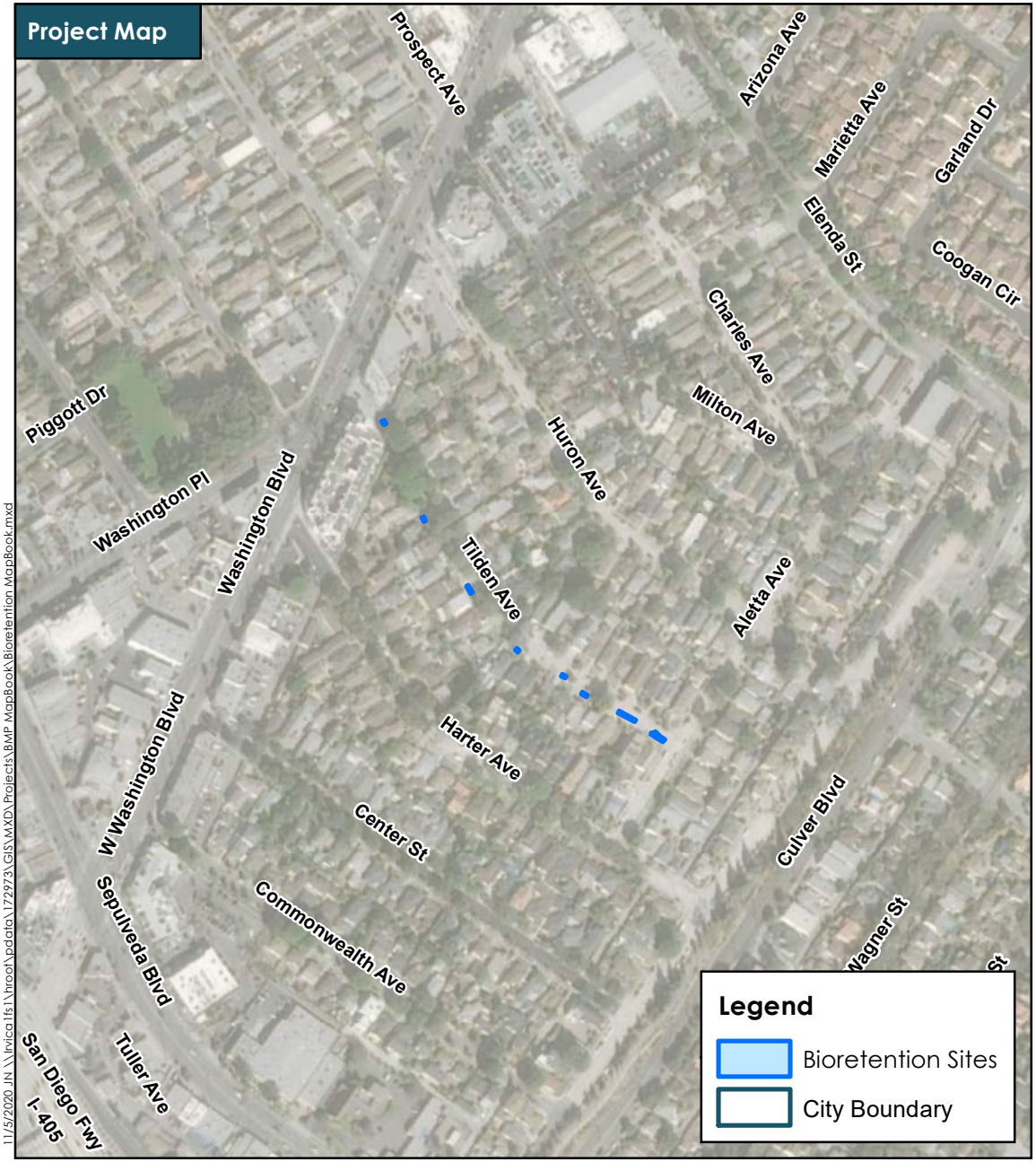
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR111

Project Map



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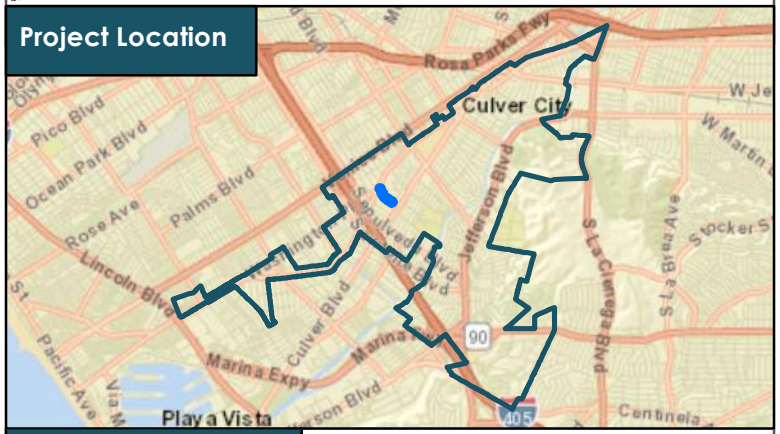
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.04
Drainage Area (ac):		0.43
Depth to Groundwater (ft):		23
EWMP Equivalient Volume (ac-ft):		0.02
Cost Estimate:	$	21,152

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

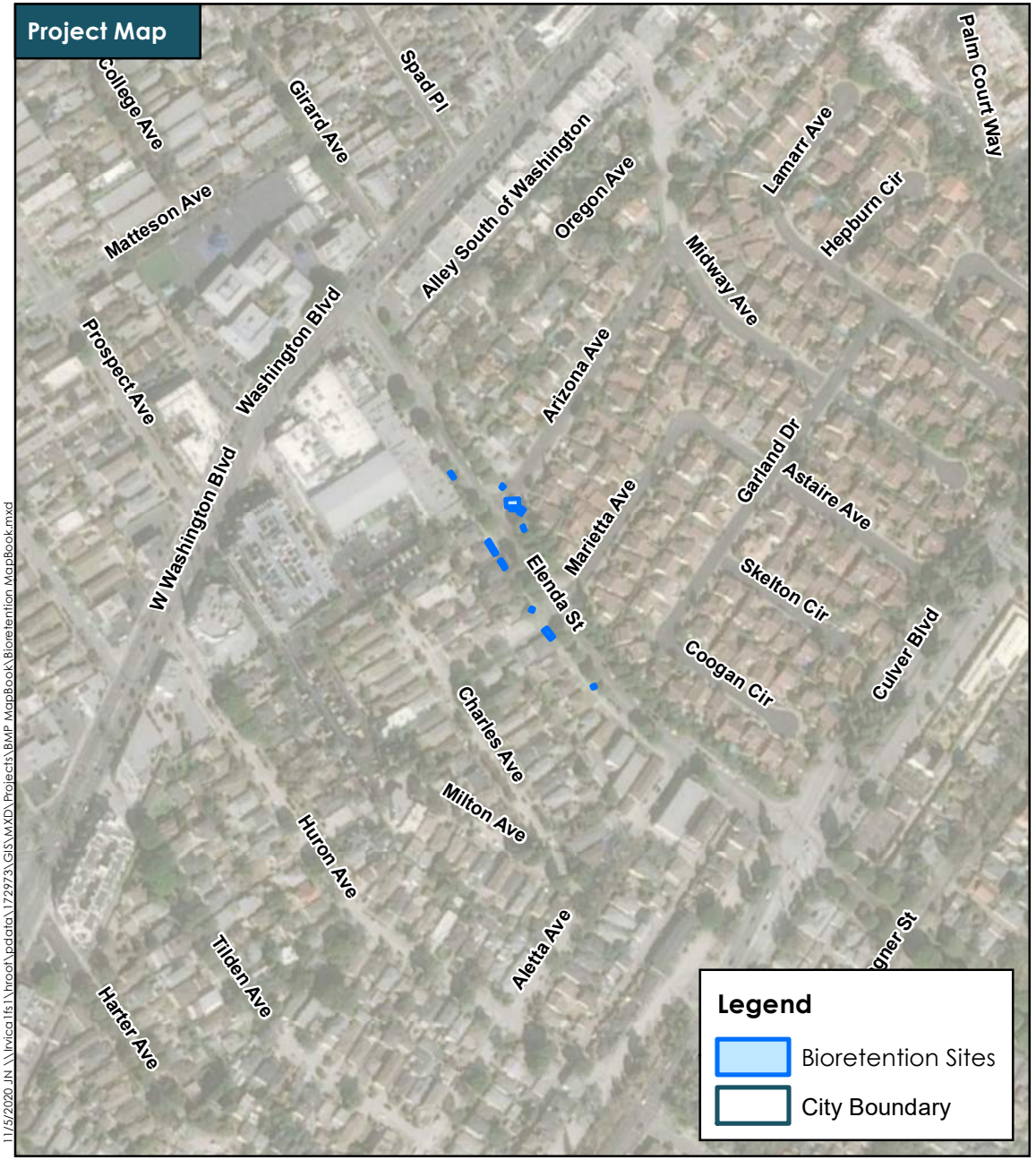
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR112

Project Map



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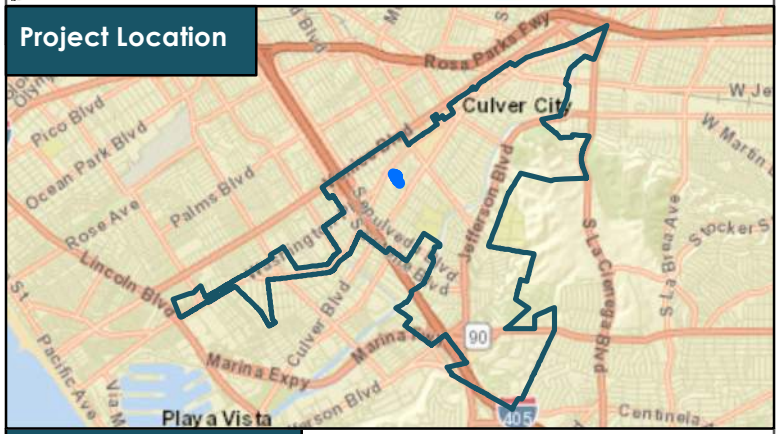
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.05
Drainage Area (ac):		0.6
Depth to Groundwater (ft):		18
EWMP Equivalient Volume (ac-ft):		0.03
Cost Estimate:	$	29,612

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

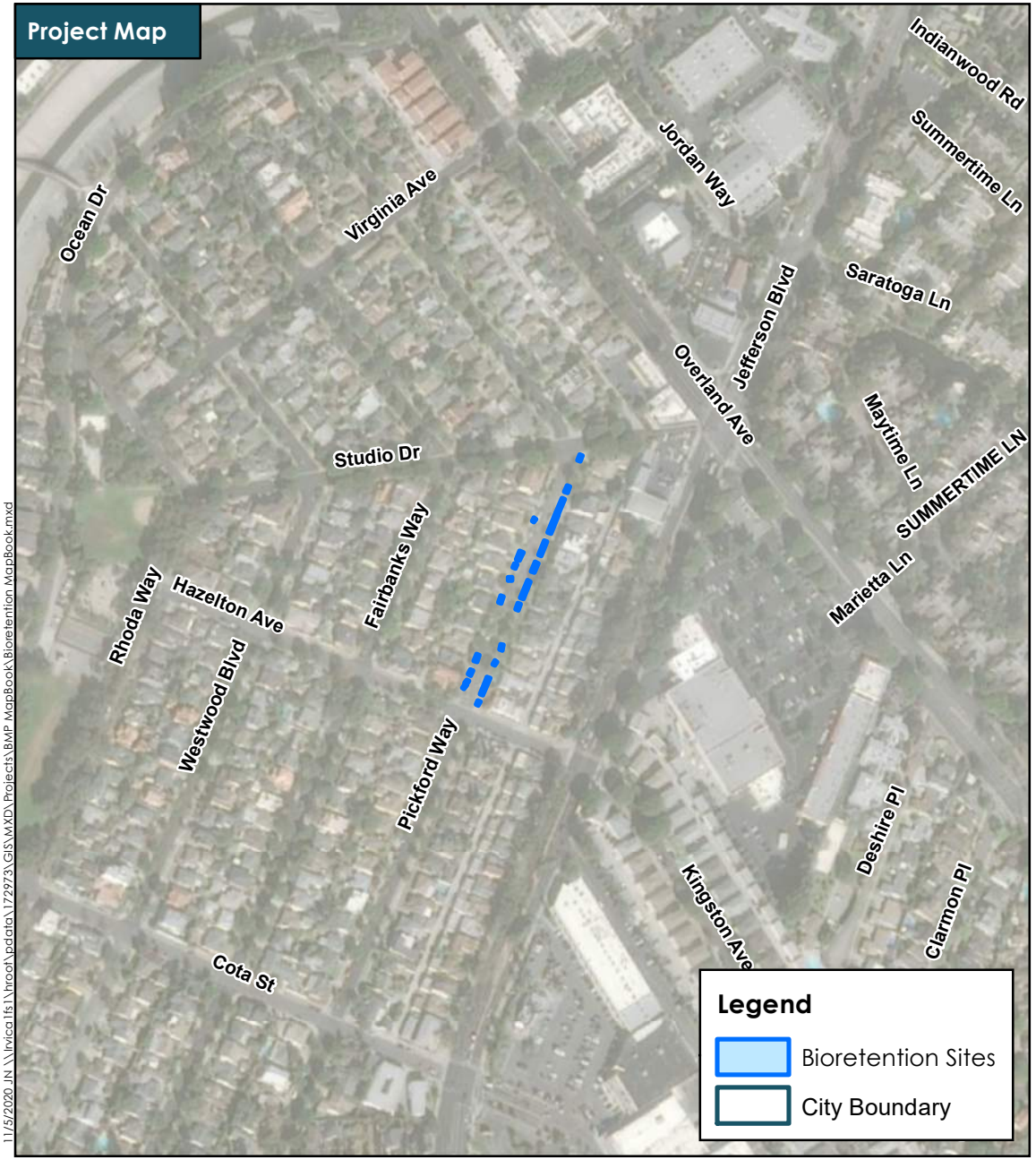
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR113

Project Map



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Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location

Project Information

Storage Capcity (ac-ft):		0.09
Drainage Area (ac):		1.13
Depth to Groundwater (ft):		31
EWMP Equivalient Volume (ac-ft):		0.08
Cost Estimate:	$	55,257

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

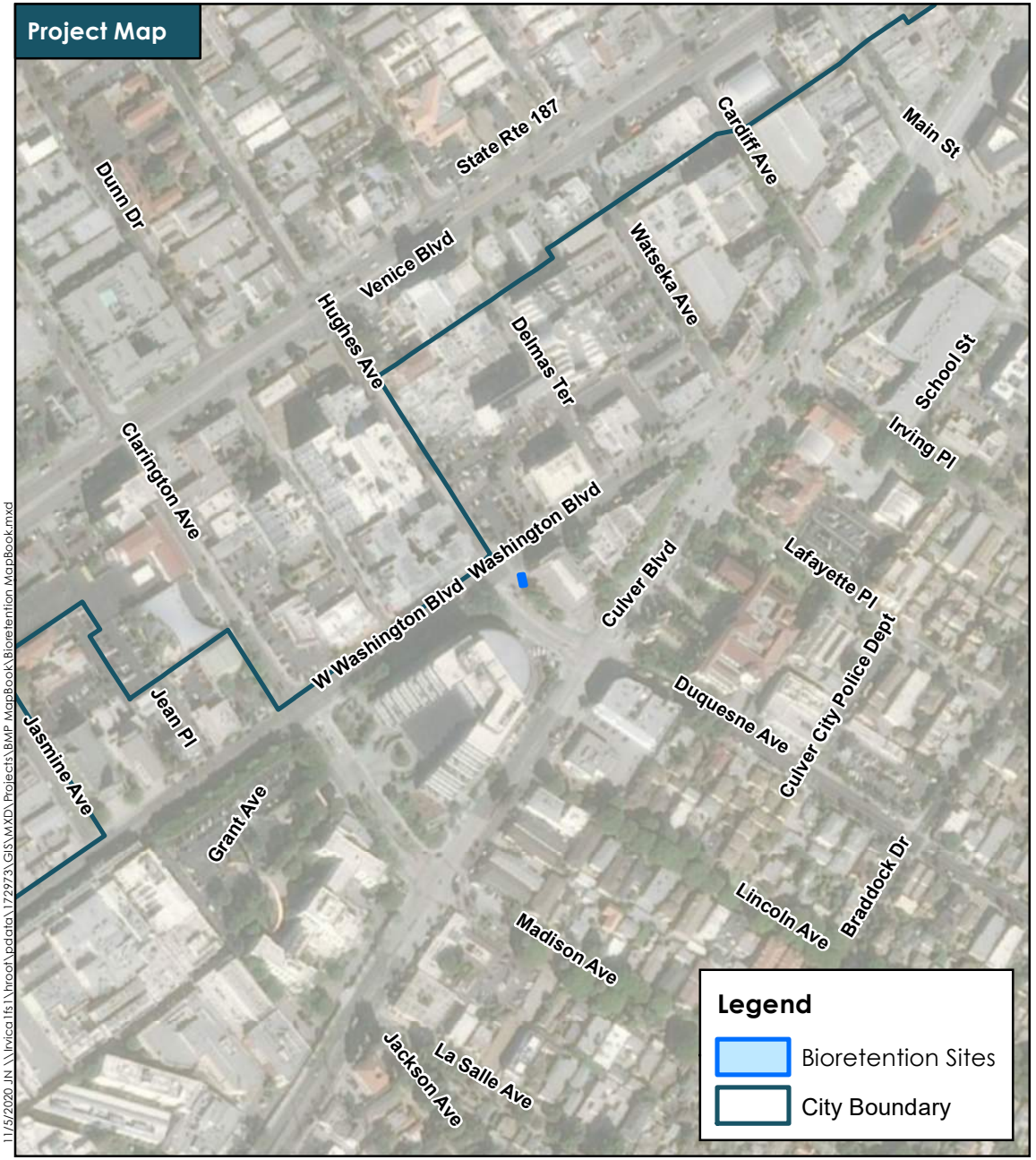
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR114

Project Map



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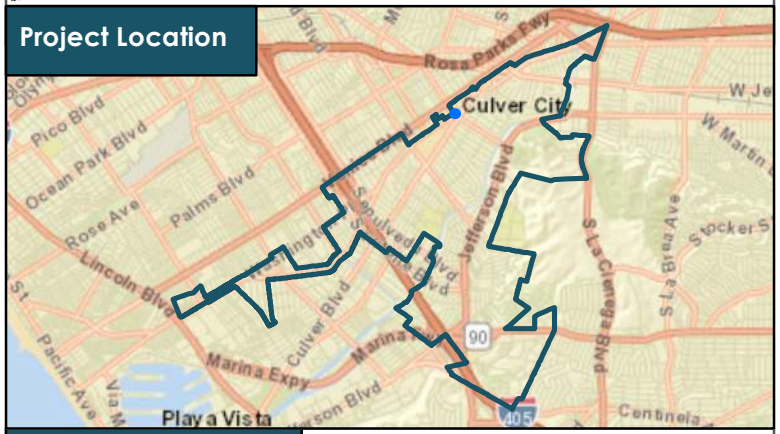
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.01
Drainage Area (ac):		0.12
Depth to Groundwater (ft):		60
EWMP Equivalient Volume (ac-ft):		0
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

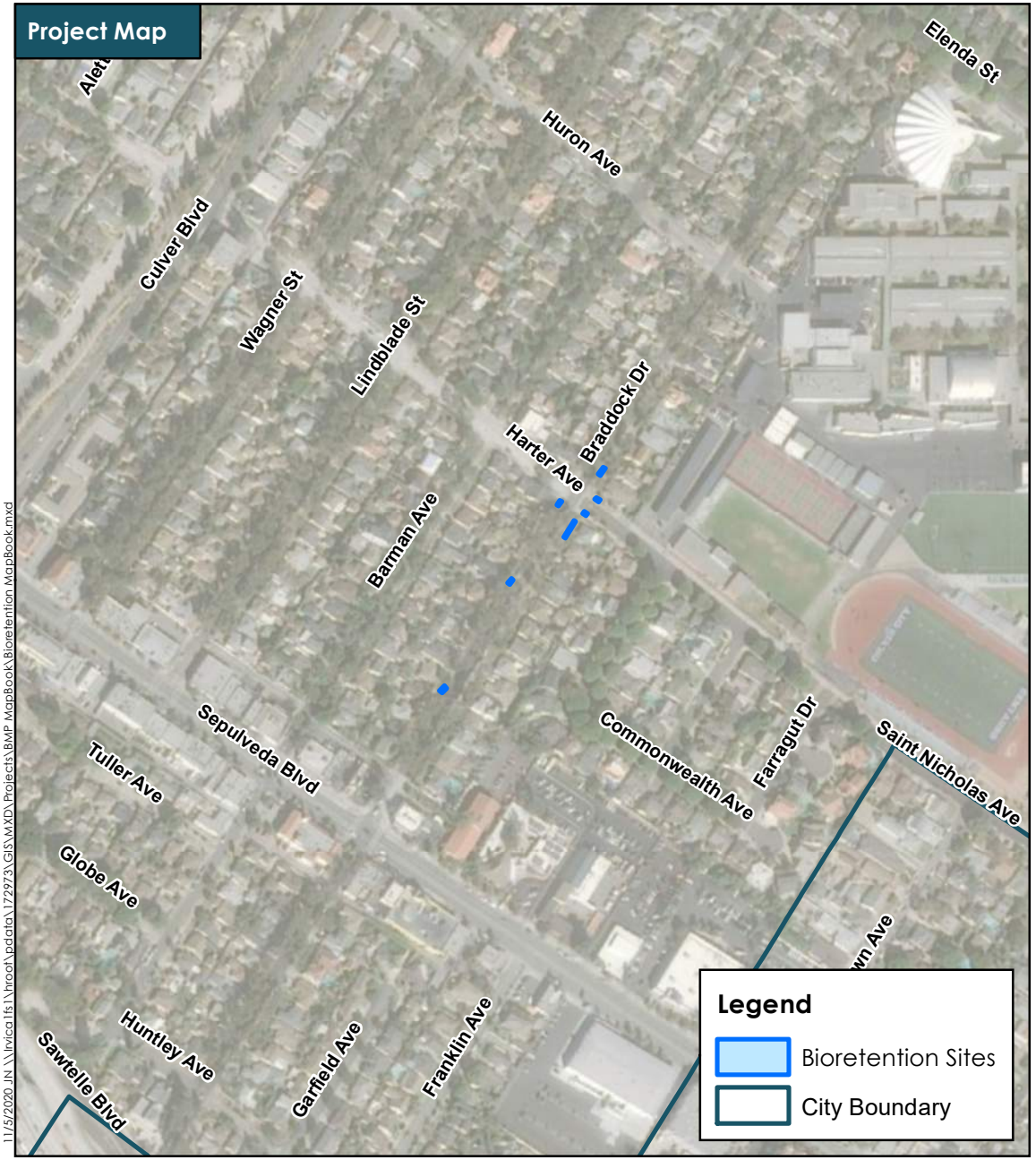
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR115

Project Map



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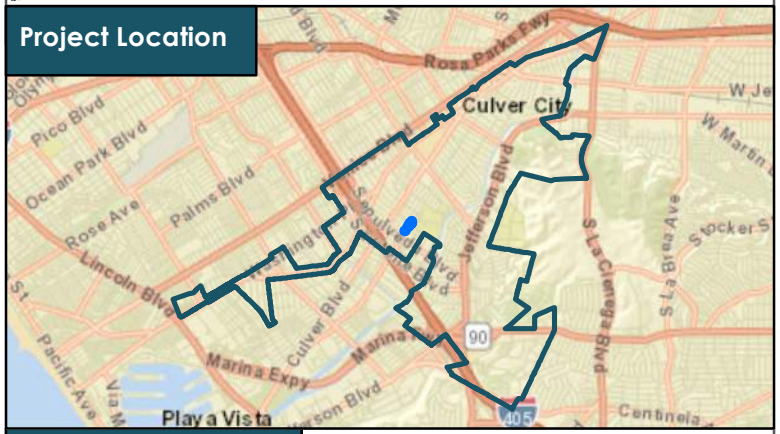
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.02
Drainage Area (ac):		0.2
Depth to Groundwater (ft):		22
EWMP Equivalient Volume (ac-ft):		0.01
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

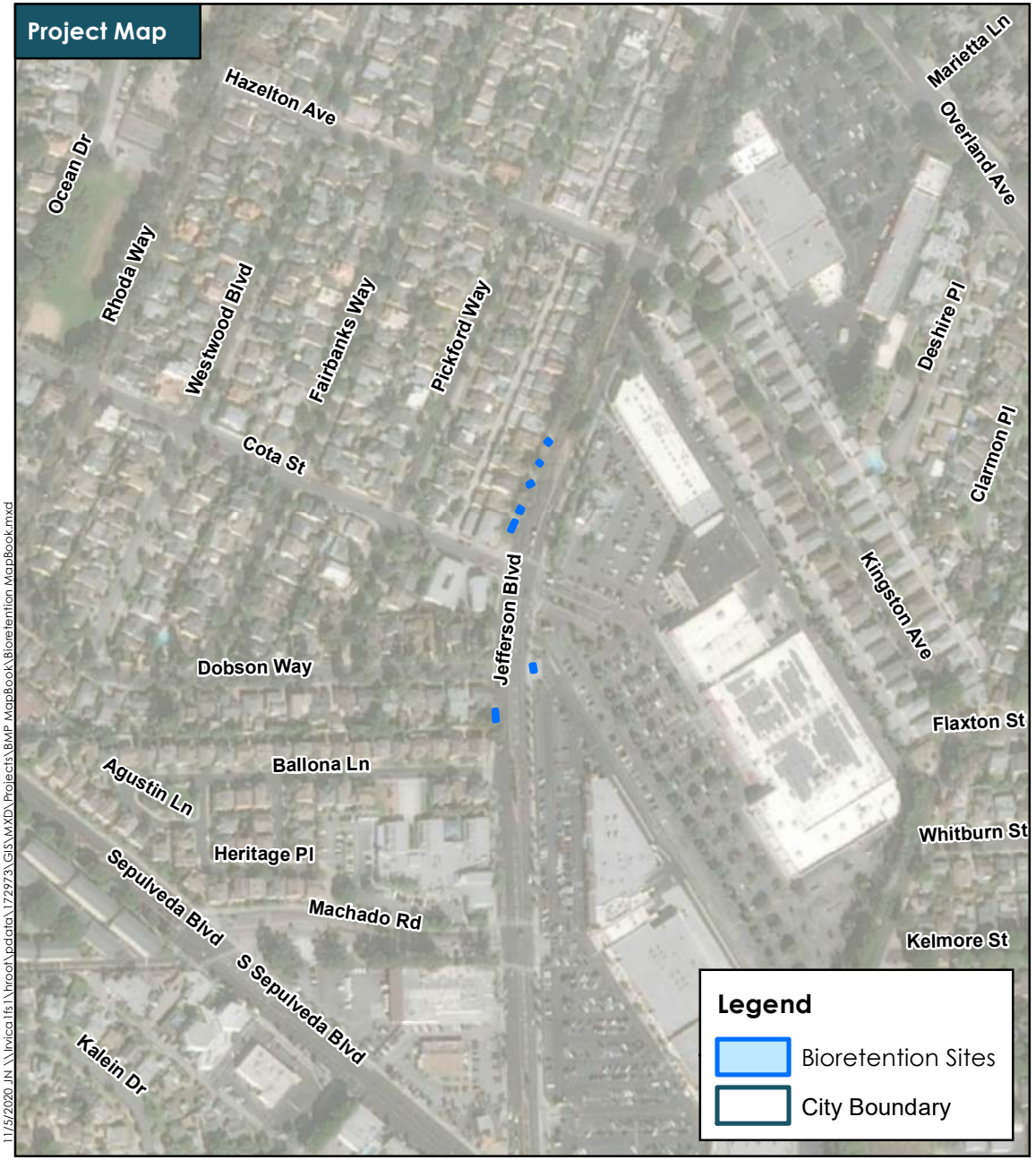
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR116

Project Map



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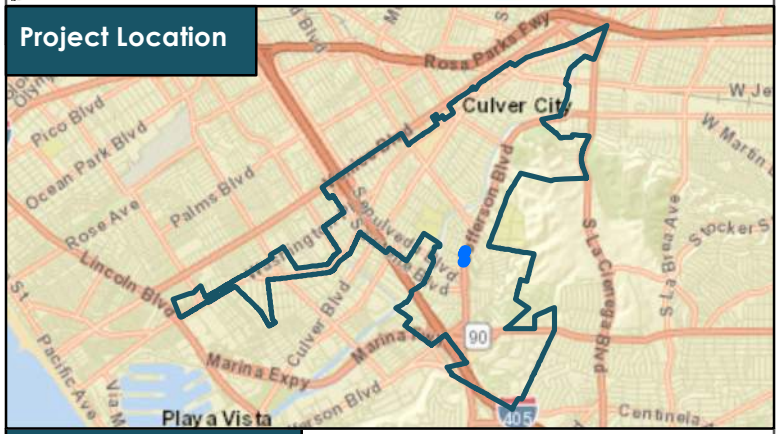
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.02
Drainage Area (ac):		0.24
Depth to Groundwater (ft):		21
EWMP Equivalient Volume (ac-ft):		0.02
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

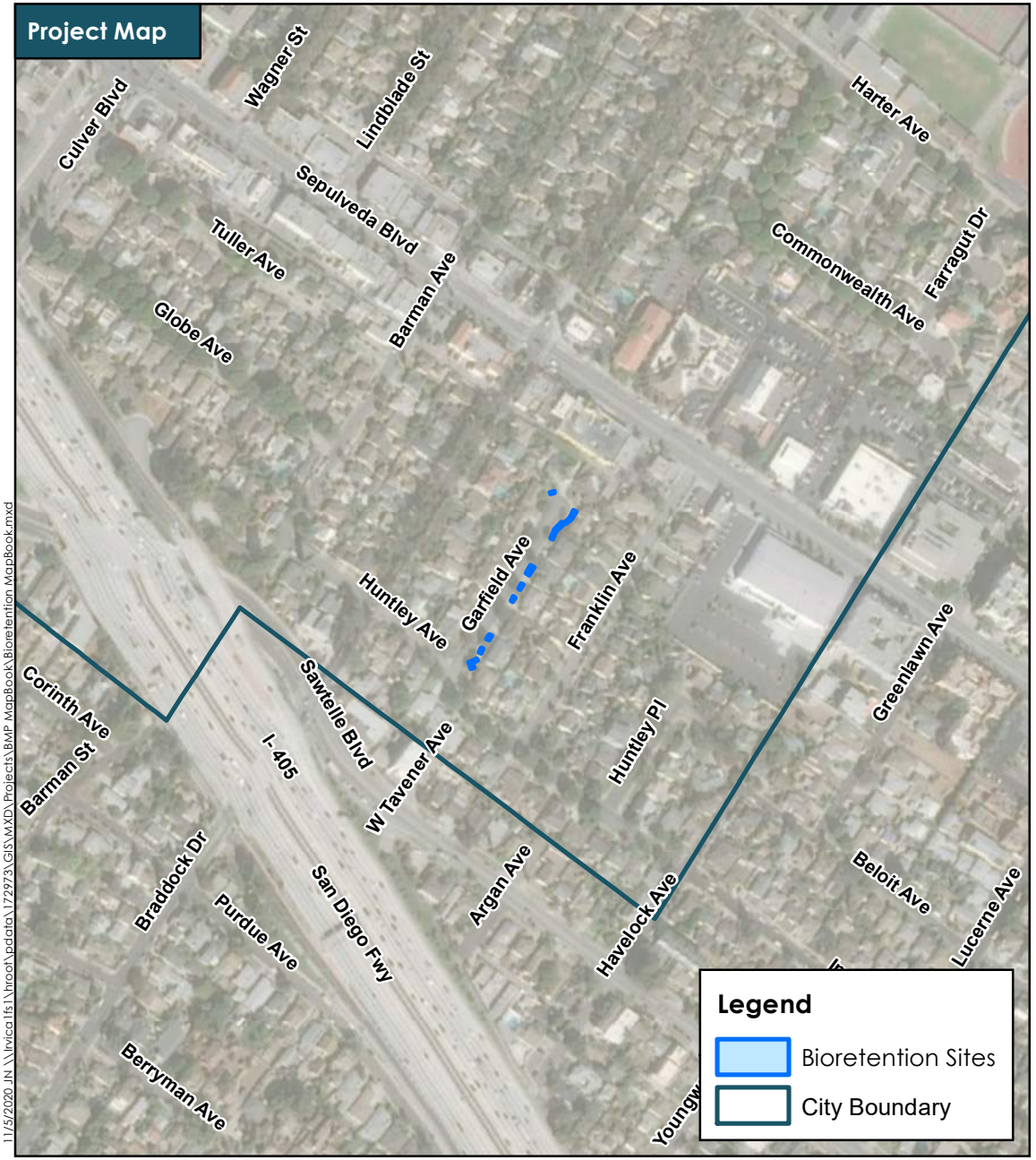
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR117

Project Map



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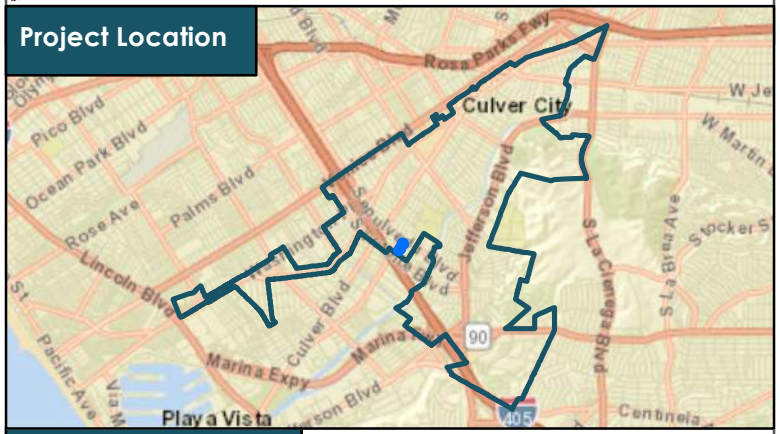
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.03
Drainage Area (ac):		0.37
Depth to Groundwater (ft):		18
EWMP Equivalient Volume (ac-ft):		0.02
Cost Estimate:	$	18,212

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

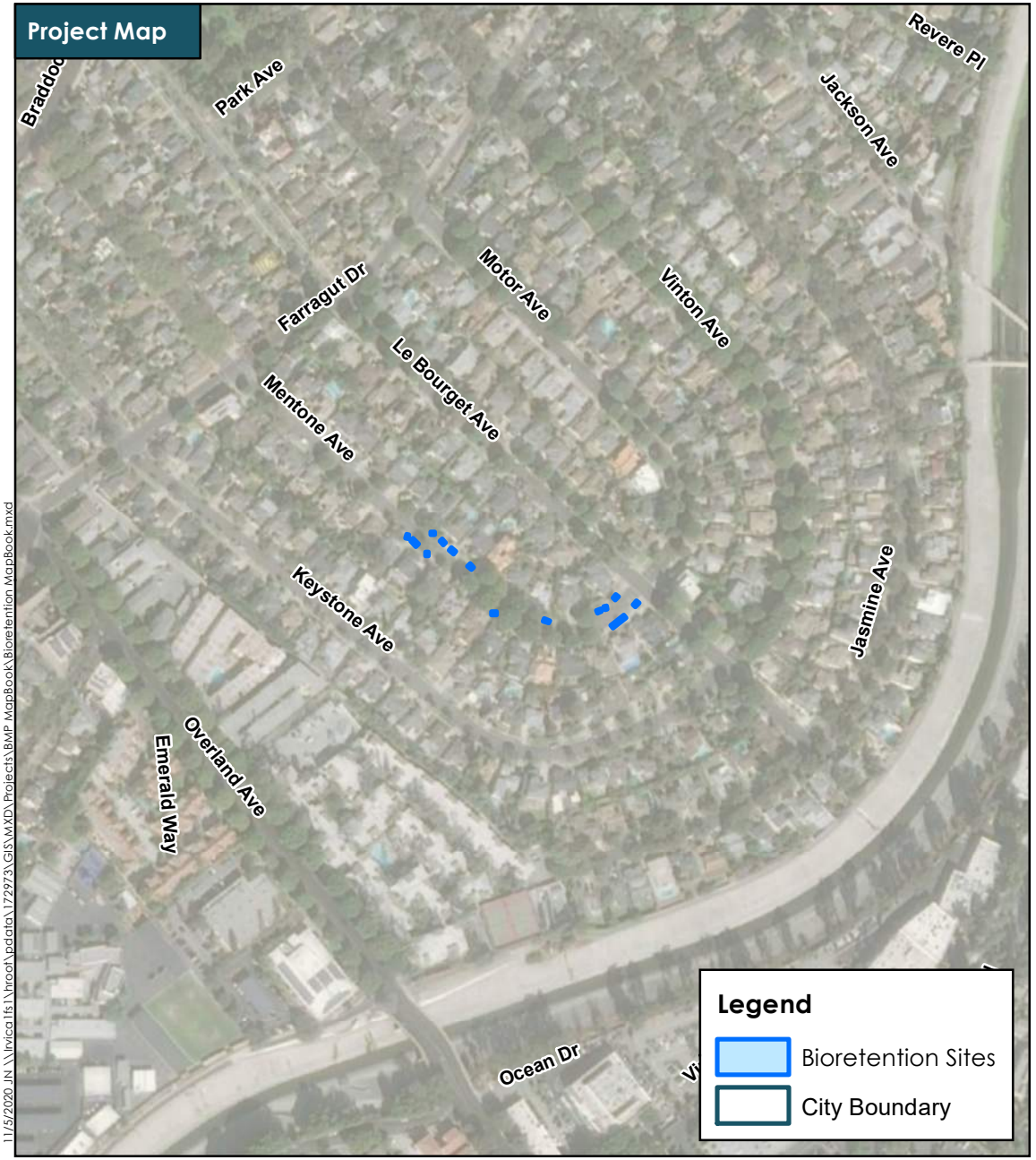
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR118

Project Map



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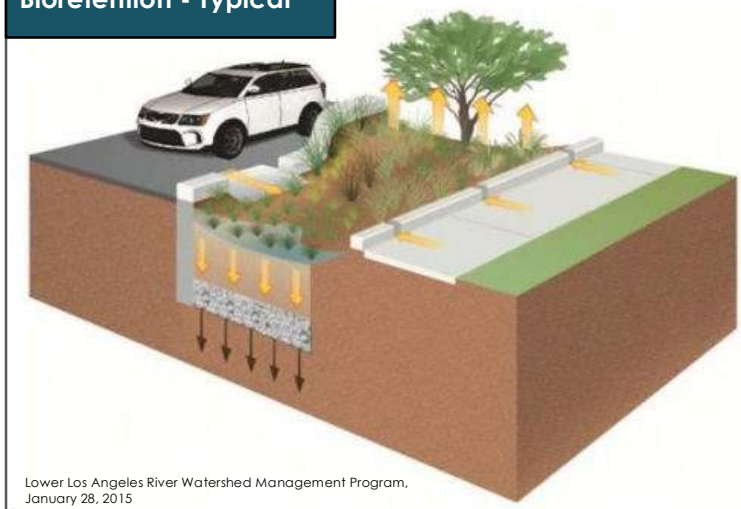
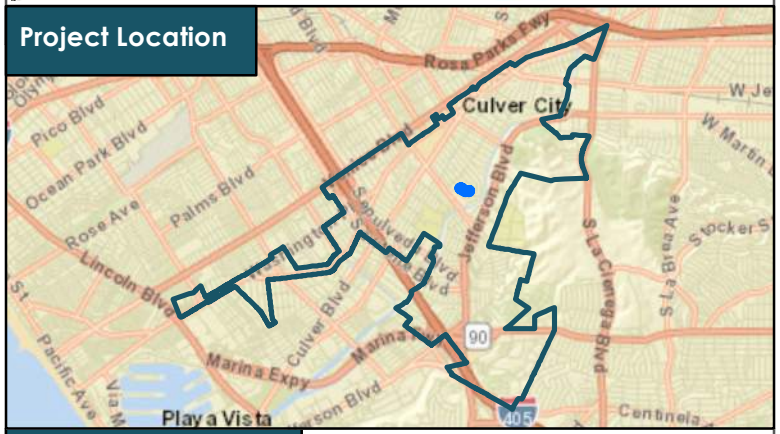
Bioretention - Typical



Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.04
Drainage Area (ac):		0.52
Depth to Groundwater (ft):		29
EWMP Equivalient Volume (ac-ft):		0.02
Cost Estimate:	$	25,629

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

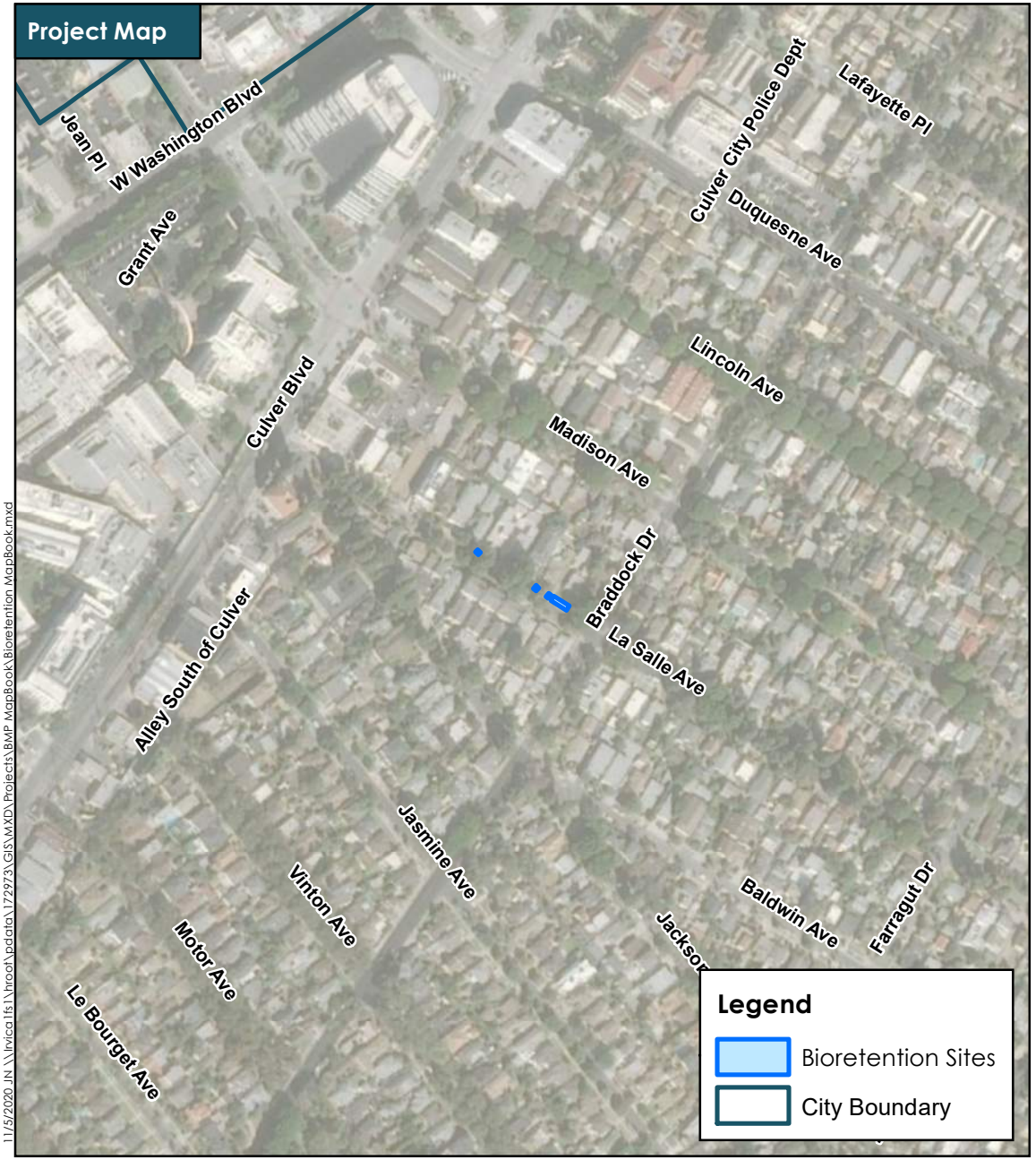
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR119

Project Map



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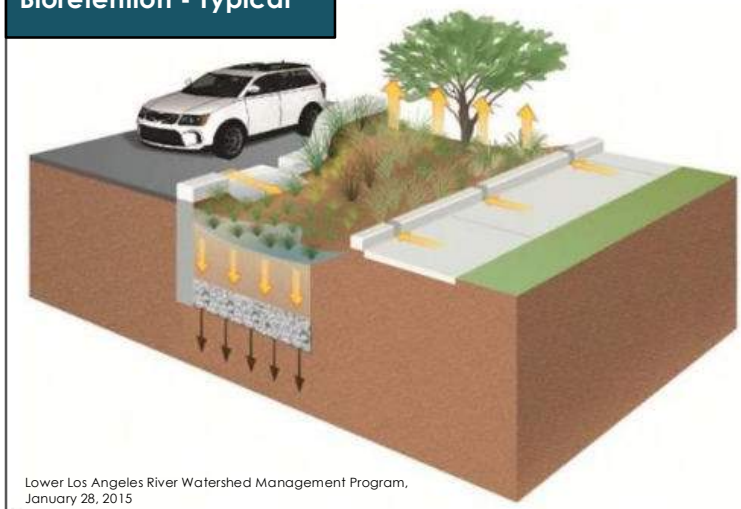
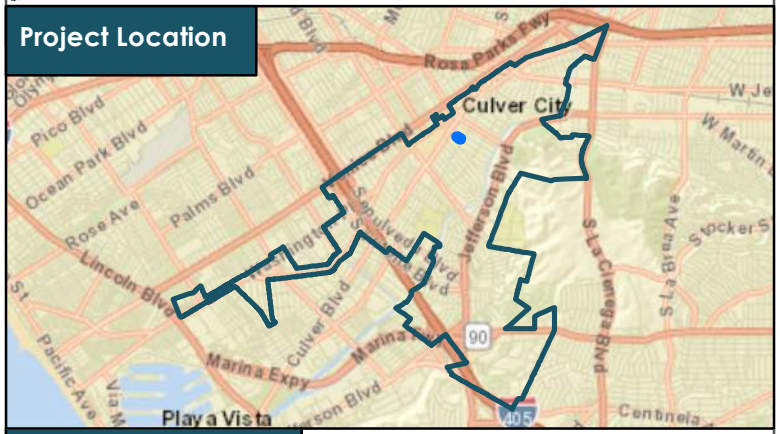
Bioretention - Typical



Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.02
Drainage Area (ac):		0.28
Depth to Groundwater (ft):		25
EWMP Equivalient Volume (ac-ft):		0.01
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

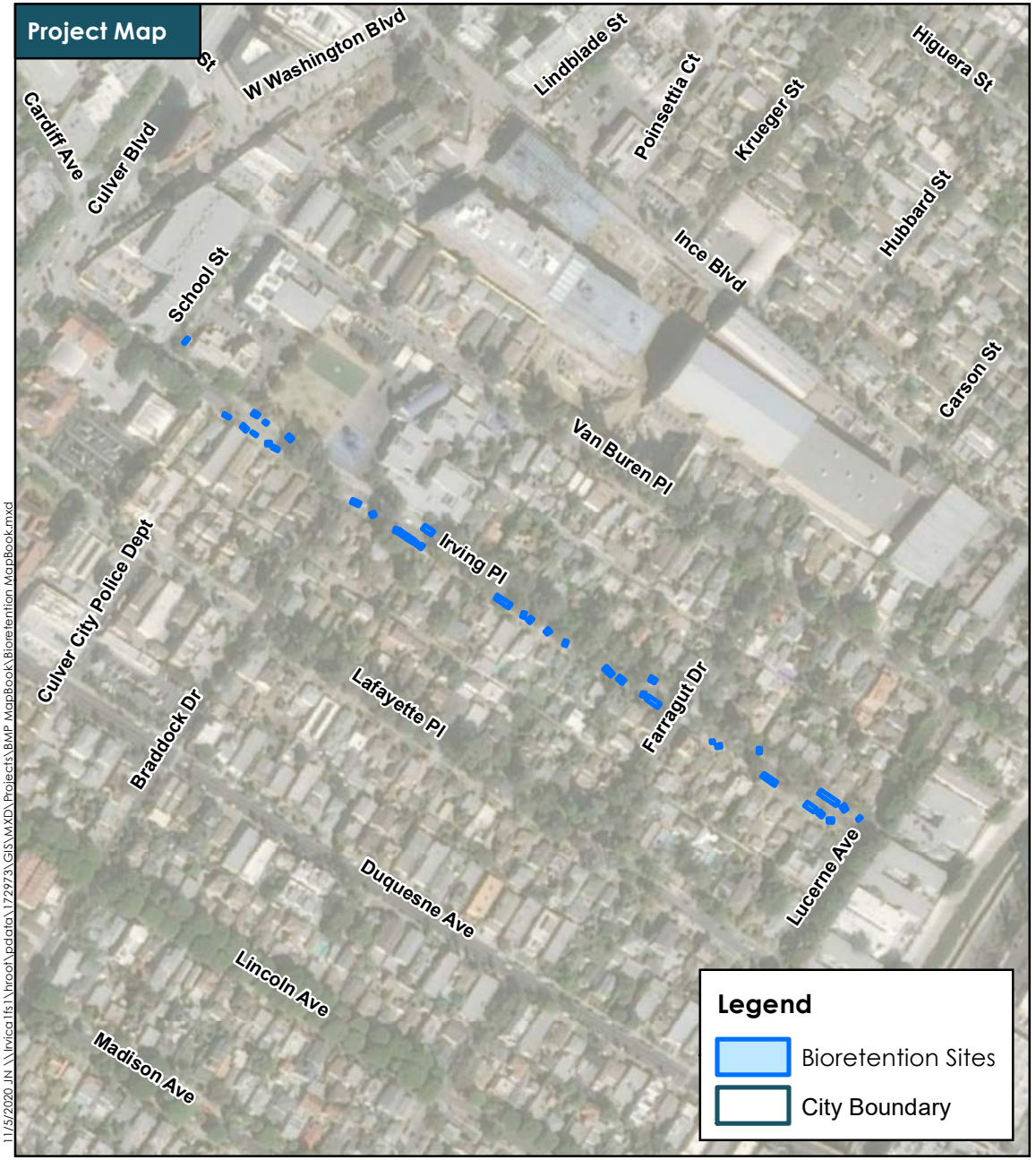
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR120

Project Map



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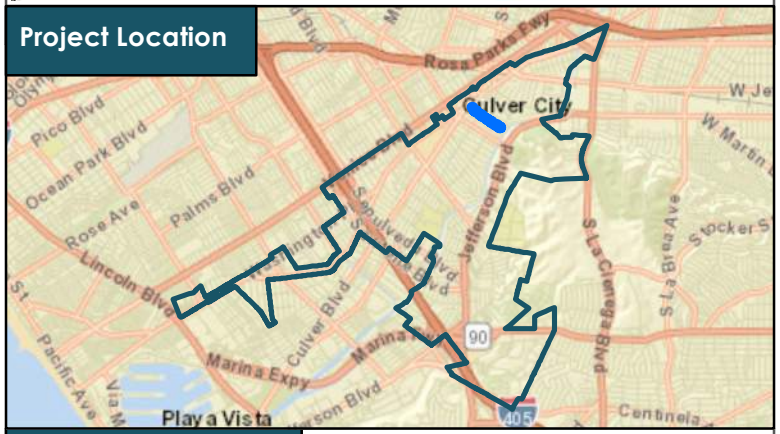
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.18
Drainage Area (ac):		2.2
Depth to Groundwater (ft):		32
EWMP Equivalient Volume (ac-ft):		0.1
Cost Estimate:	$	107,915

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

Michael Baker INTERNATIONAL

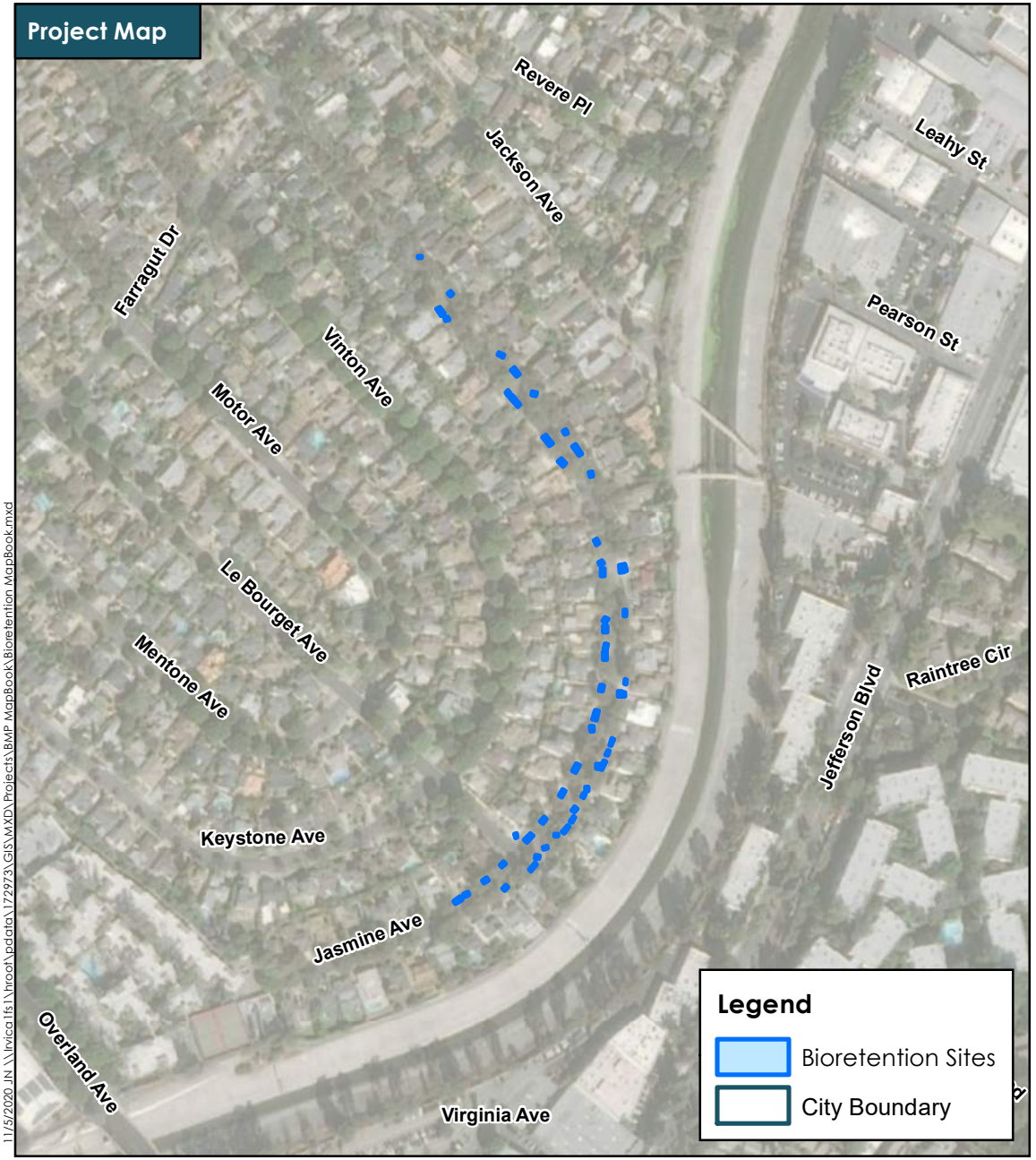
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR121

Project Map



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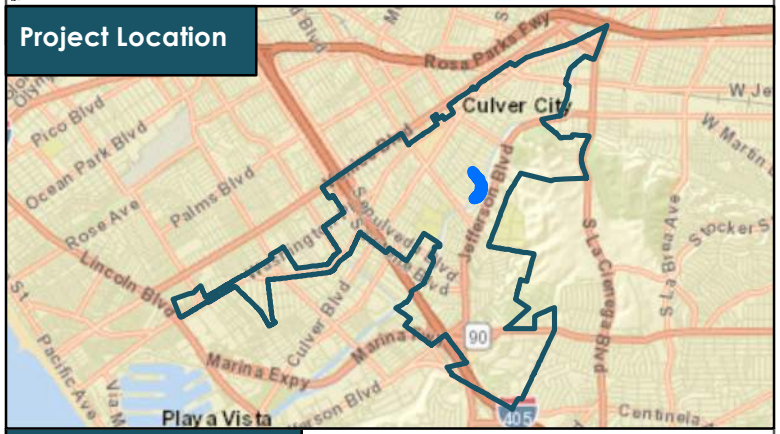
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.17
Drainage Area (ac):		2.02
Depth to Groundwater (ft):		30
EWMP Equivalient Volume (ac-ft):		0.06
Cost Estimate:	$	98,800

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

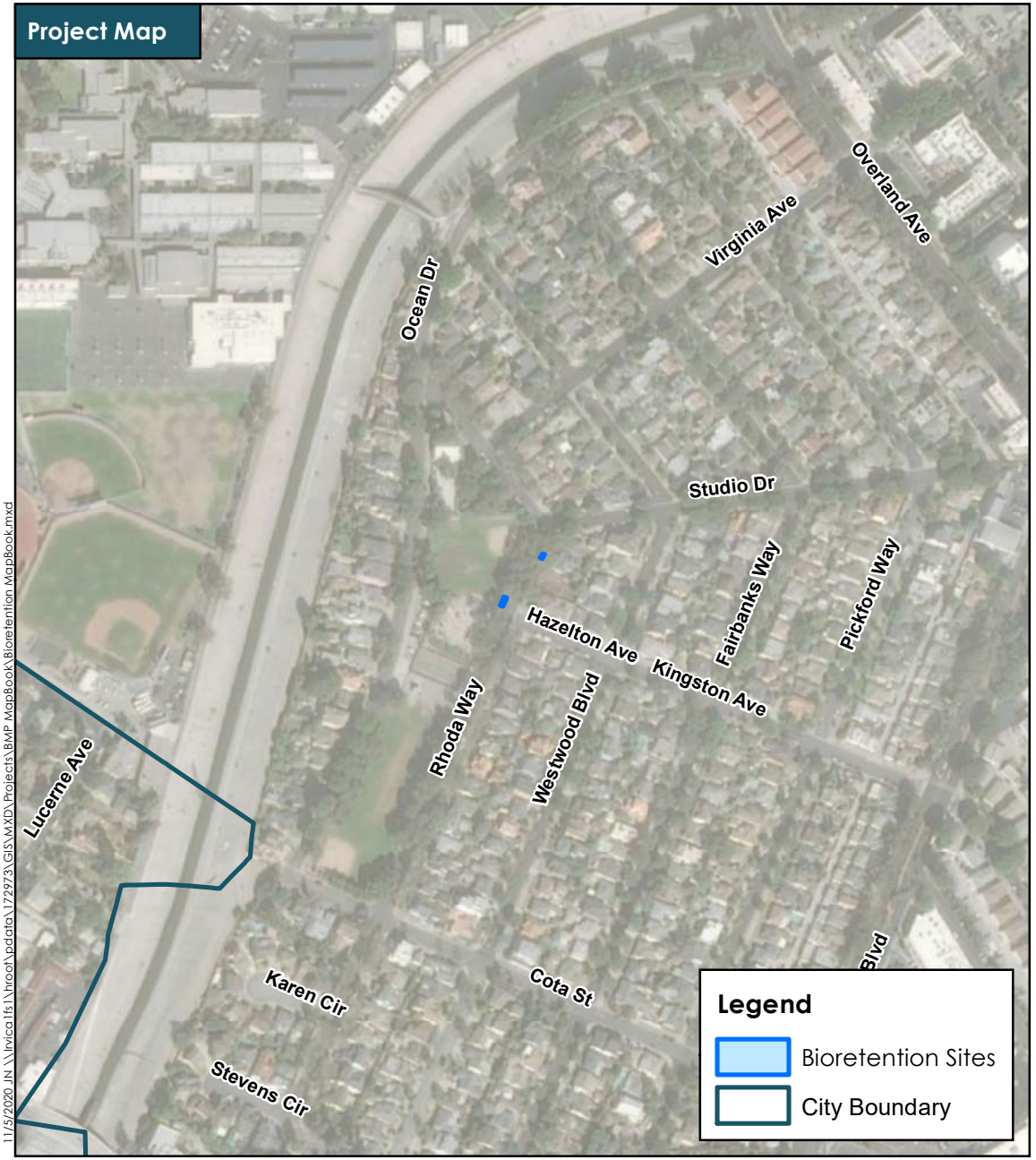
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR122

Project Map



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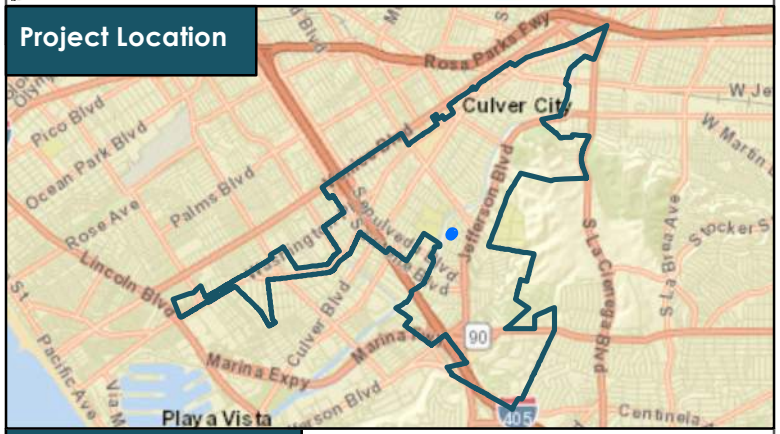
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0
Drainage Area (ac):		0.06
Depth to Groundwater (ft):		26
EWMP Equivalient Volume (ac-ft):		0
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

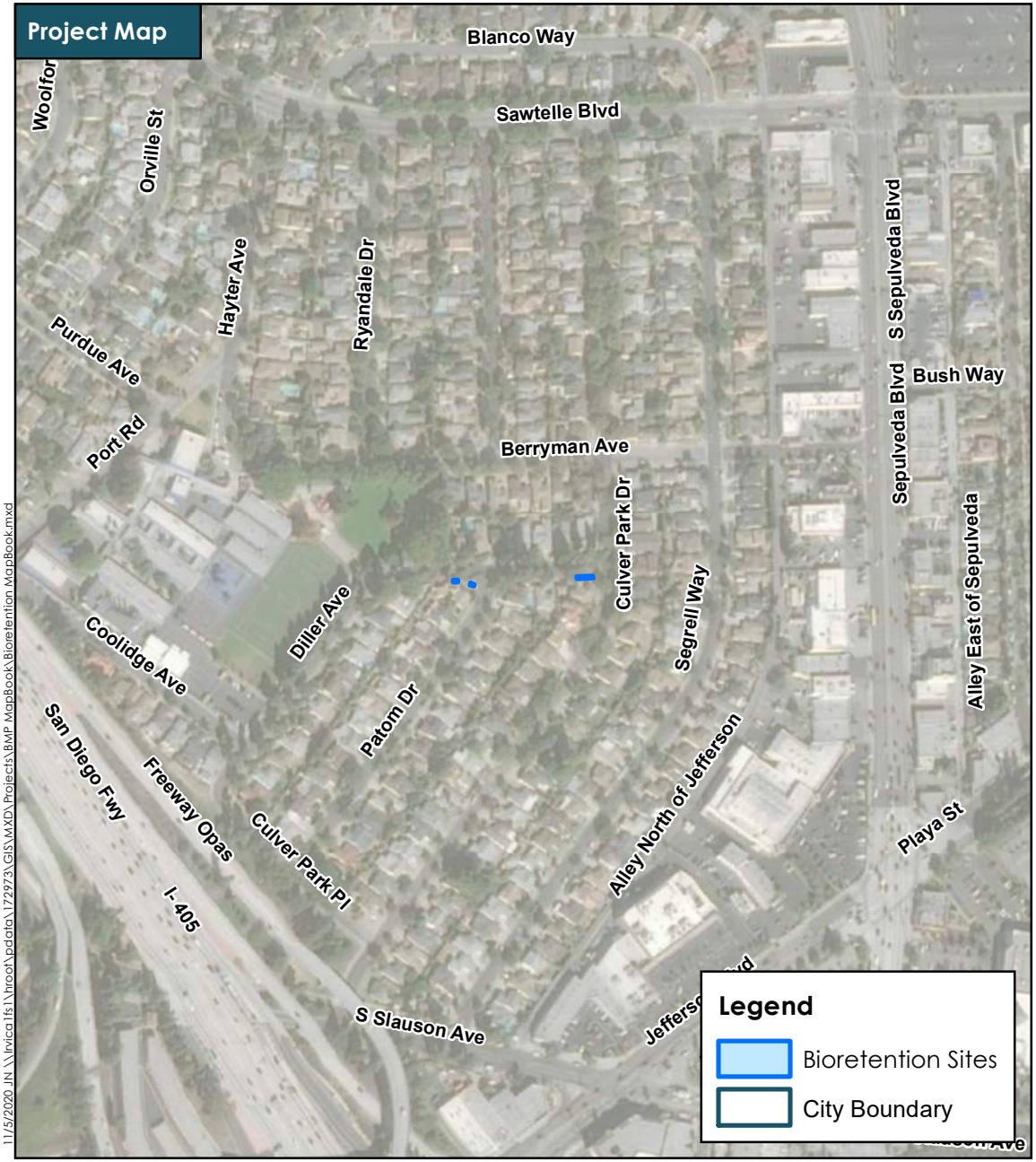
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR123

Project Map



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Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location

Project Information

Storage Capcity (ac-ft):		0.01
Drainage Area (ac):		0.08
Depth to Groundwater (ft):		15
EWMP Equivalient Volume (ac-ft):		0.01
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR124

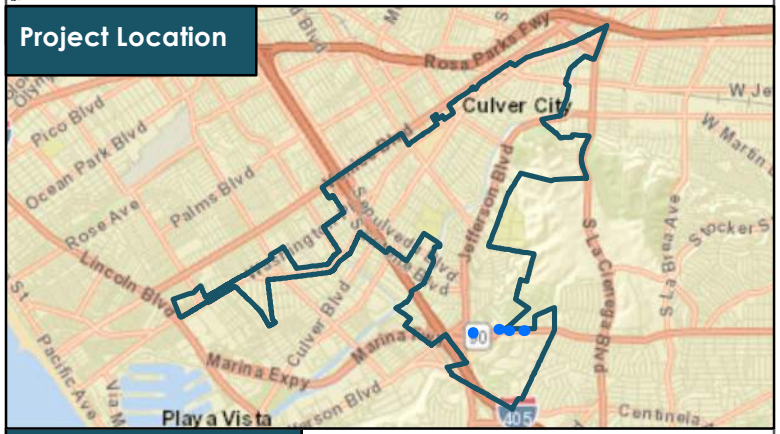
Project Map

11/5/2020 JN \\Irvlocal1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.01
Drainage Area (ac):		0.18
Depth to Groundwater (ft):		116
EWMP Equivalient Volume (ac-ft):		0
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR125

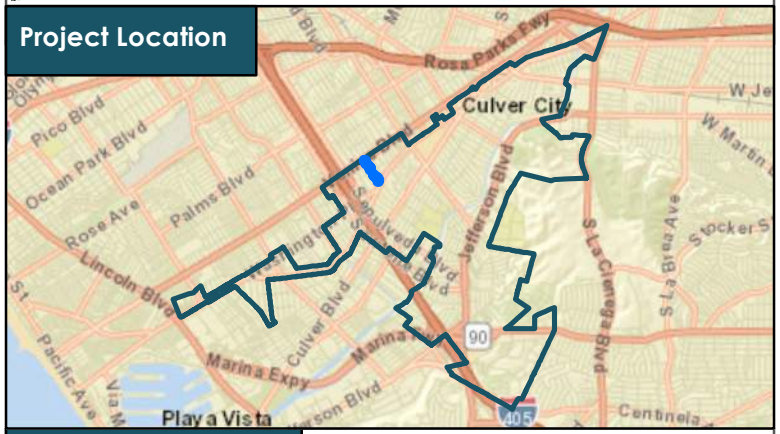
Project Map

11/5/2020 JN \\Irvlcal1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.03
Drainage Area (ac):		0.36
Depth to Groundwater (ft):		49
EWMP Equivalient Volume (ac-ft):		0.02
Cost Estimate:	$	17,579

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

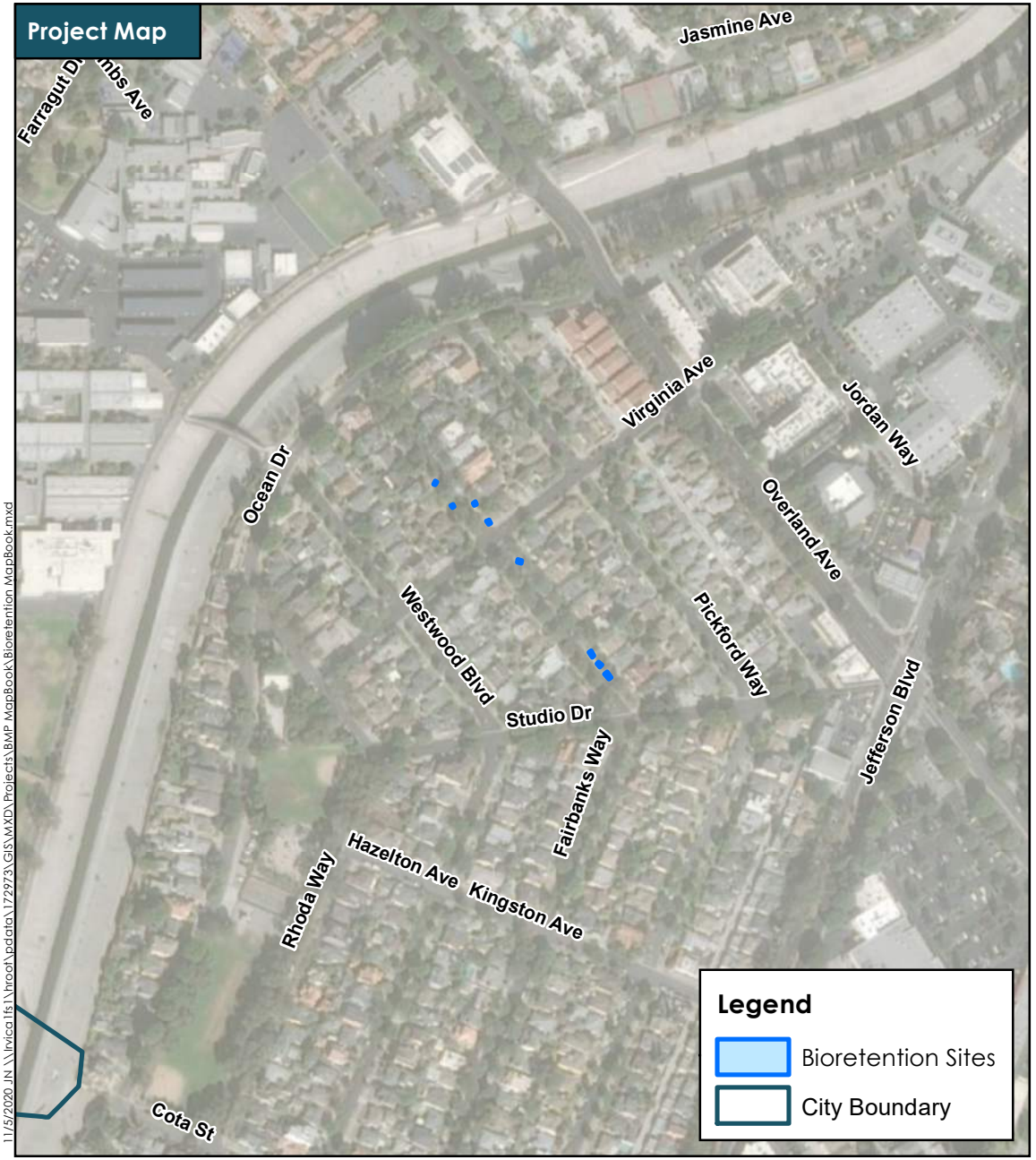
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR126

Project Map

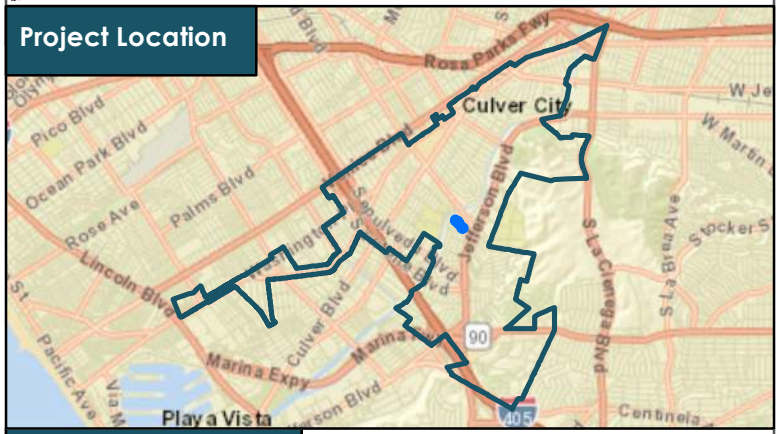


11/5/2020 JN \\Irvlcal1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.01
Drainage Area (ac):		0.13
Depth to Groundwater (ft):		31
EWMP Equivalient Volume (ac-ft):		0.01
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR127

Project Map

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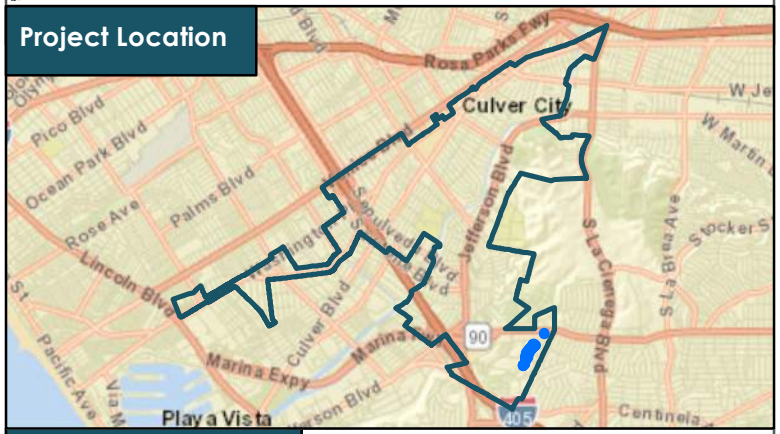
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.08
Drainage Area (ac):		0.97
Depth to Groundwater (ft):		57
EWMP Equivalient Volume (ac-ft):		0.07
Cost Estimate:	$	47,673

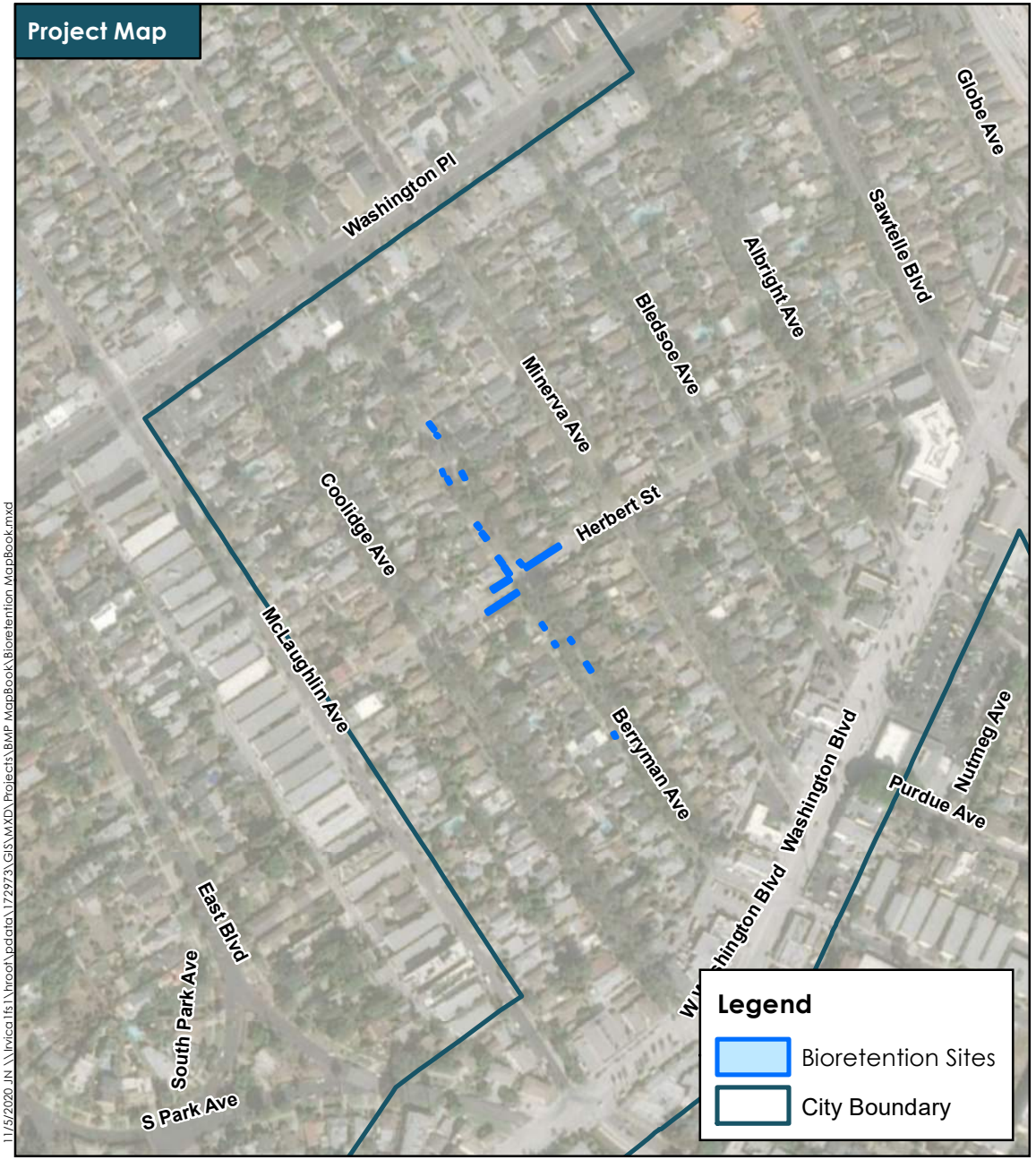
*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR128

Project Map



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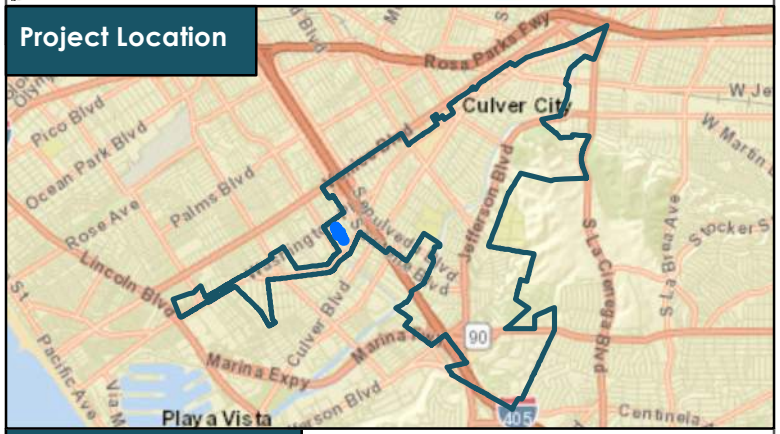
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.09
Drainage Area (ac):		1.06
Depth to Groundwater (ft):		36
EWMP Equivalient Volume (ac-ft):		0.03
Cost Estimate:	$	52,054

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR129

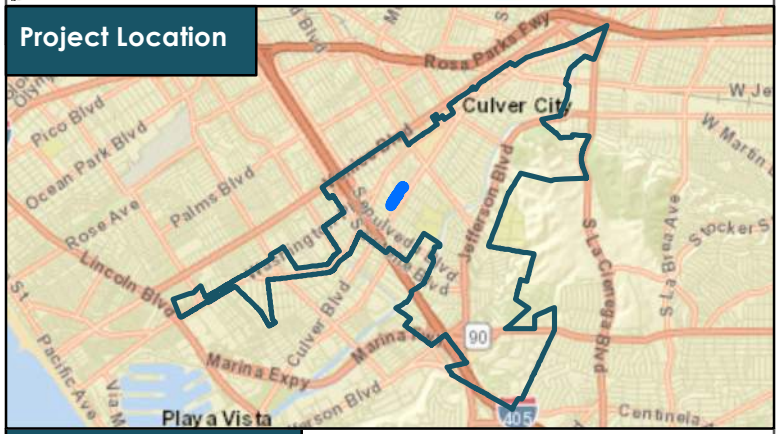
Project Map

11/5/2020 JN \\Irvlcal1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.25
Drainage Area (ac):		3.06
Depth to Groundwater (ft):		22
EWMP Equivalient Volume (ac-ft):		0.14
Cost Estimate:	$	150,133

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

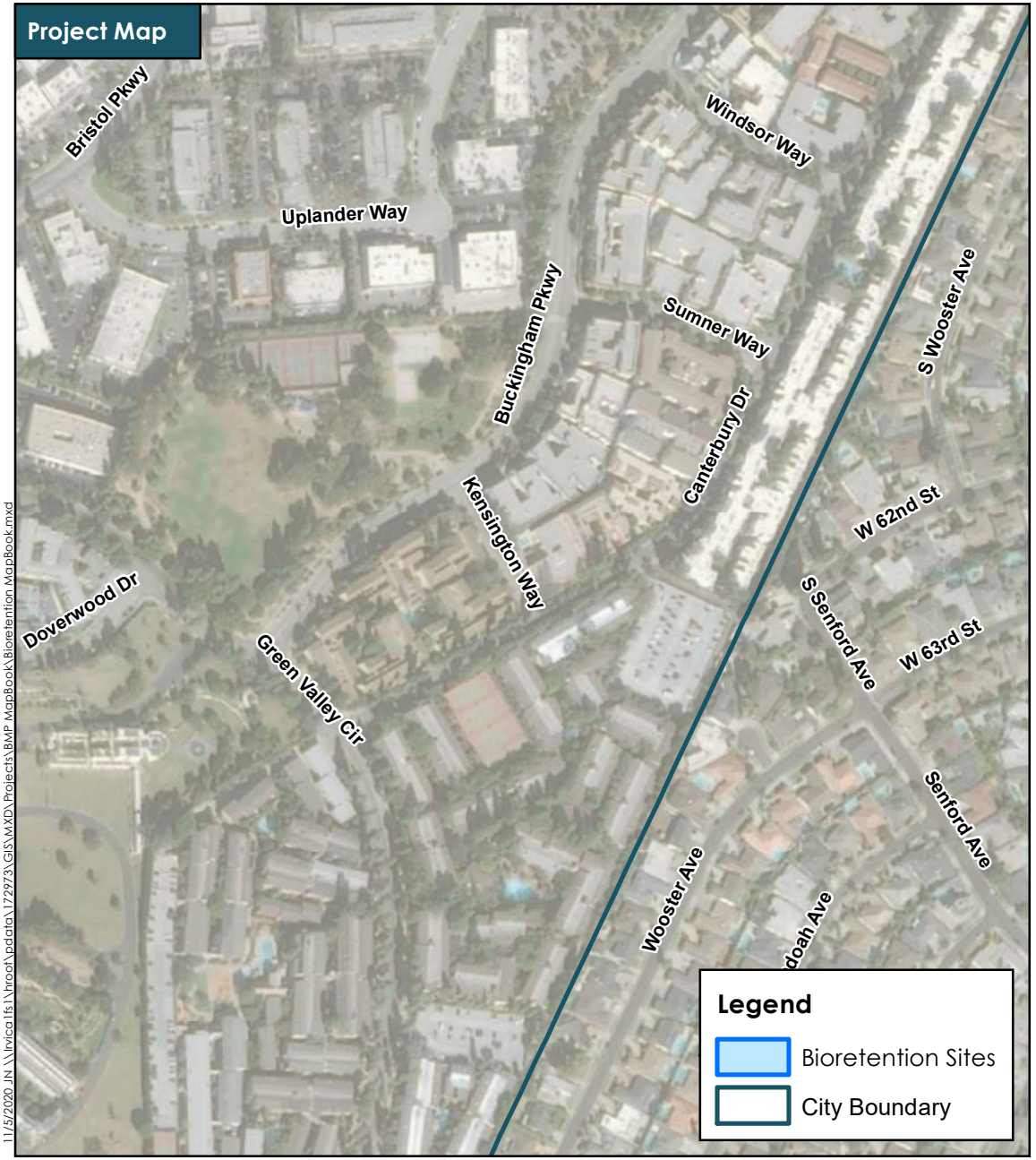
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR130

Project Map



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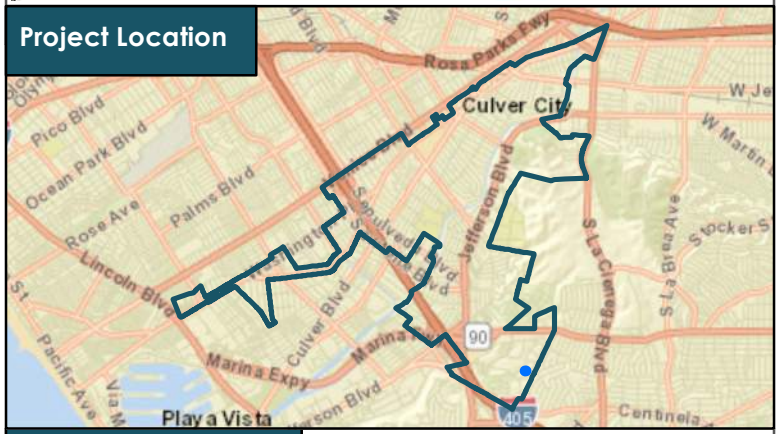
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0
Drainage Area (ac):		0.01
Depth to Groundwater (ft):		68
EWMP Equivalient Volume (ac-ft):		0
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR131

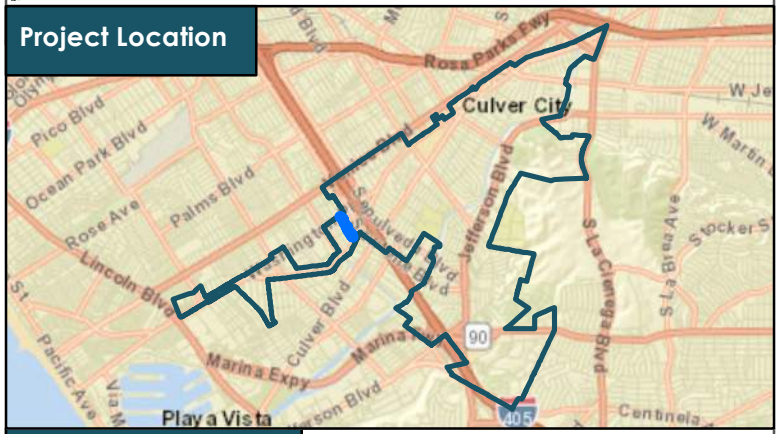
Project Map

11/5/2020 JN \\Irvlca1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.05
Drainage Area (ac):		0.59
Depth to Groundwater (ft):		37
EWMP Equivalient Volume (ac-ft):		0.03
Cost Estimate:	$	28,883

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

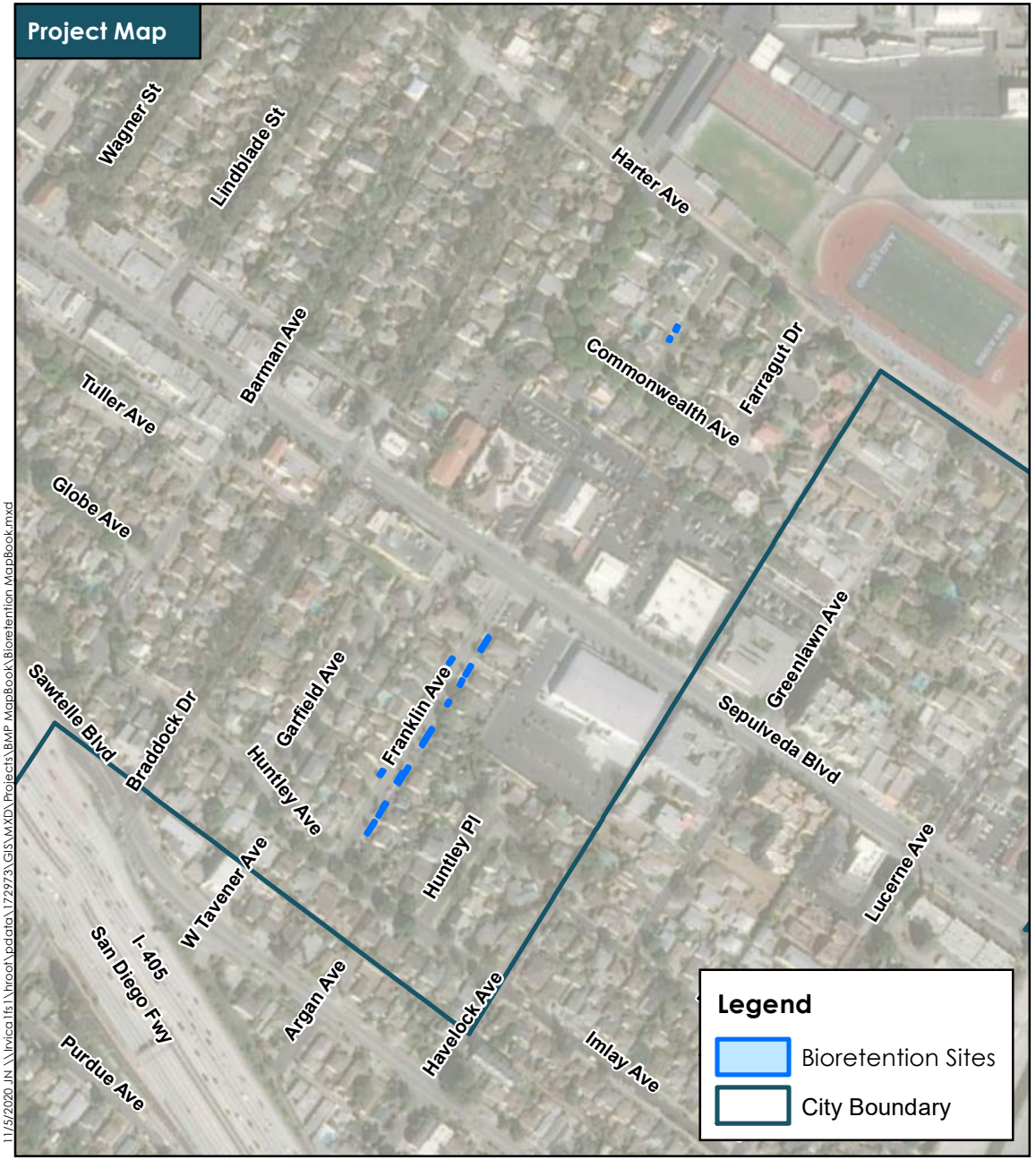
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR132

Project Map



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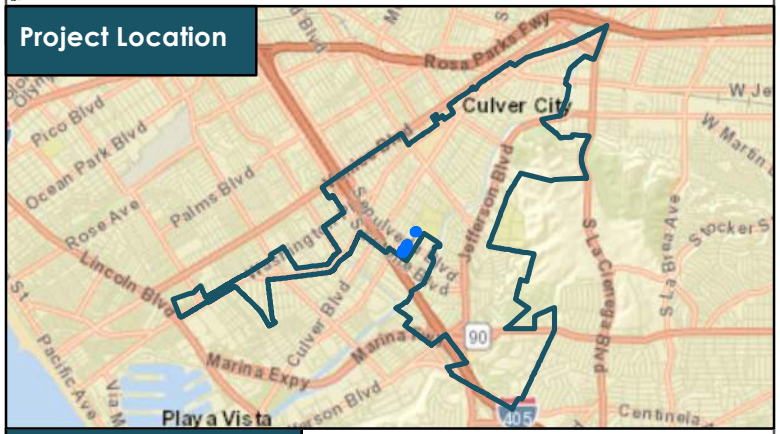
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.04
Drainage Area (ac):		0.47
Depth to Groundwater (ft):		18
EWMP Equivalient Volume (ac-ft):		0.02
Cost Estimate:	$	22,867

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

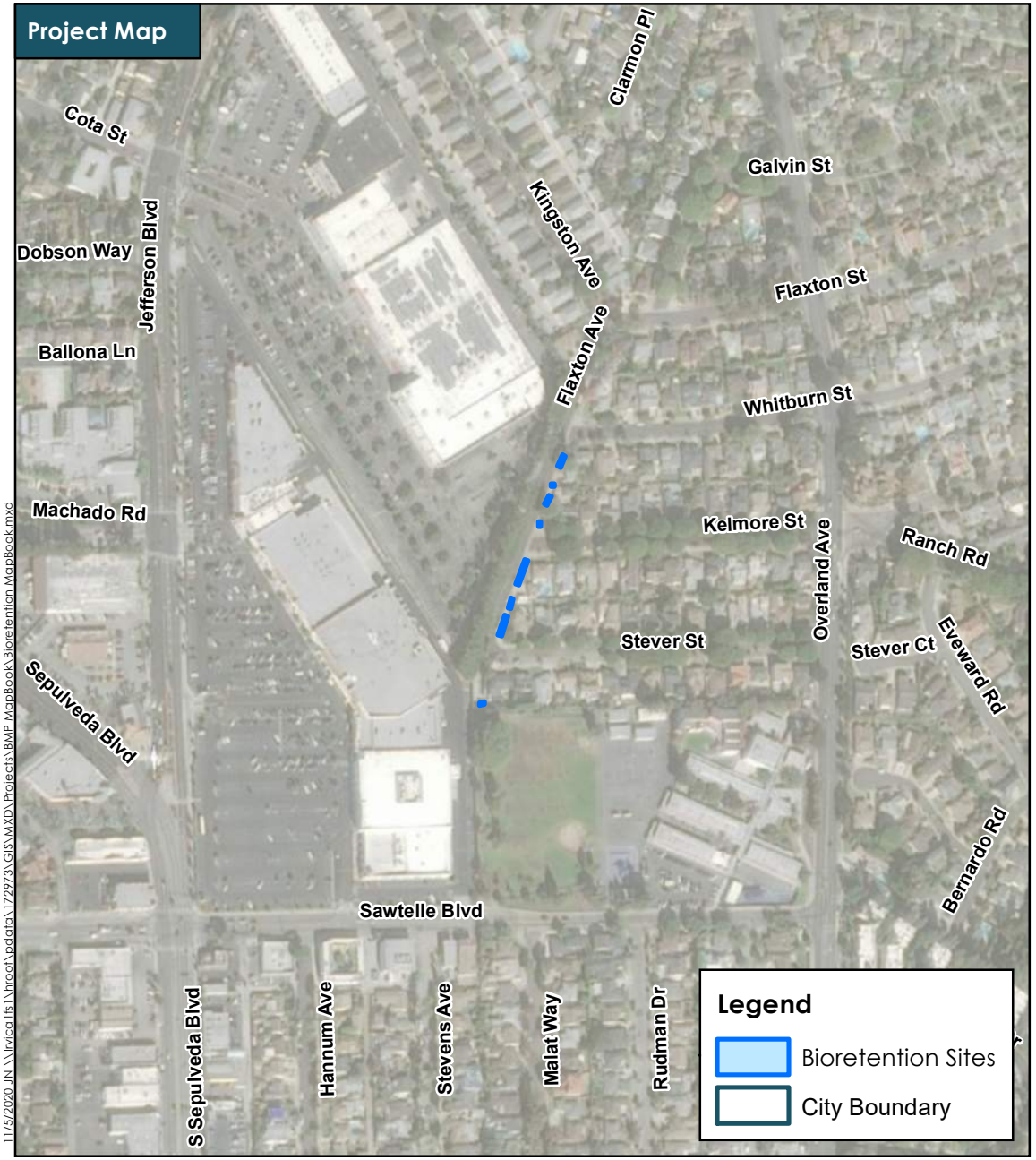
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR133

Project Map



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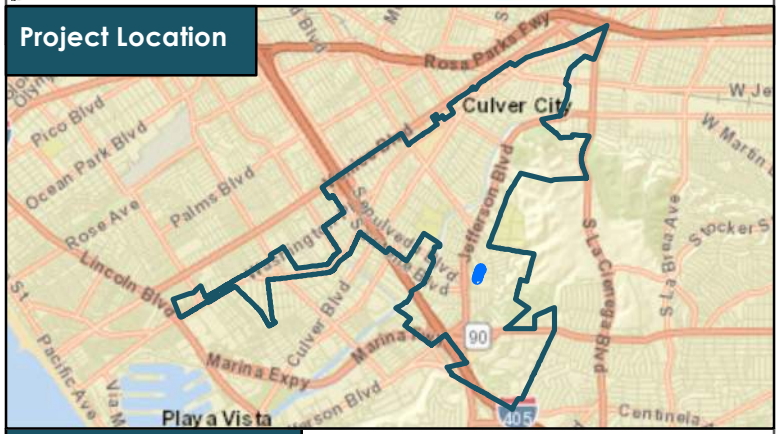
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.06
Drainage Area (ac):		0.75
Depth to Groundwater (ft):		26
EWMP Equivalient Volume (ac-ft):		0.06
Cost Estimate:	$	36,775

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

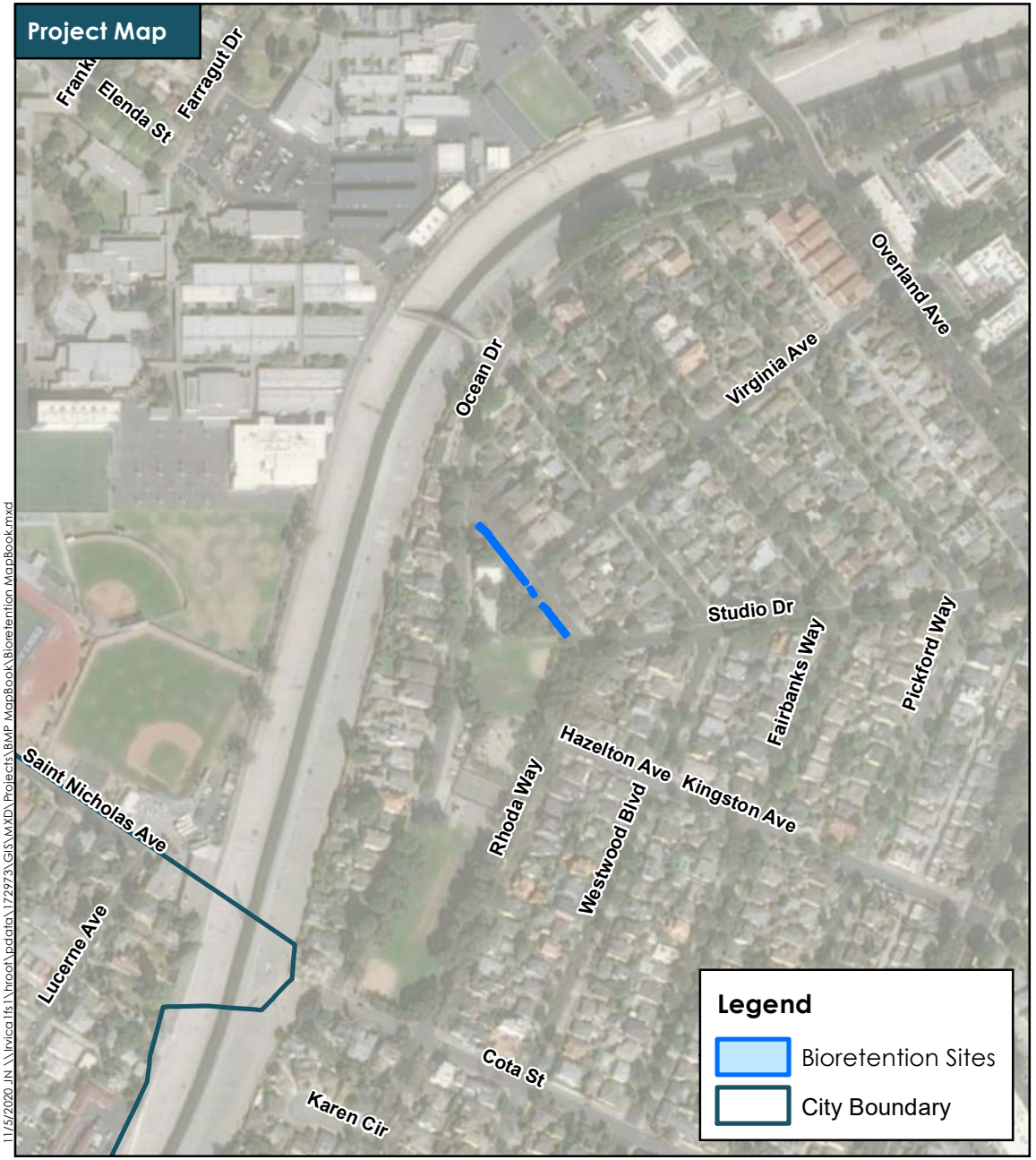
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR134

Project Map



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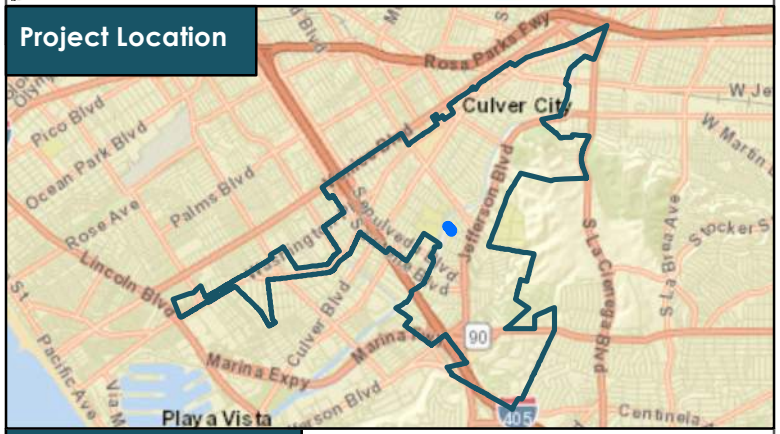
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.09
Drainage Area (ac):		1.08
Depth to Groundwater (ft):		25
EWMP Equivalient Volume (ac-ft):		0.08
Cost Estimate:	$	53,144

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

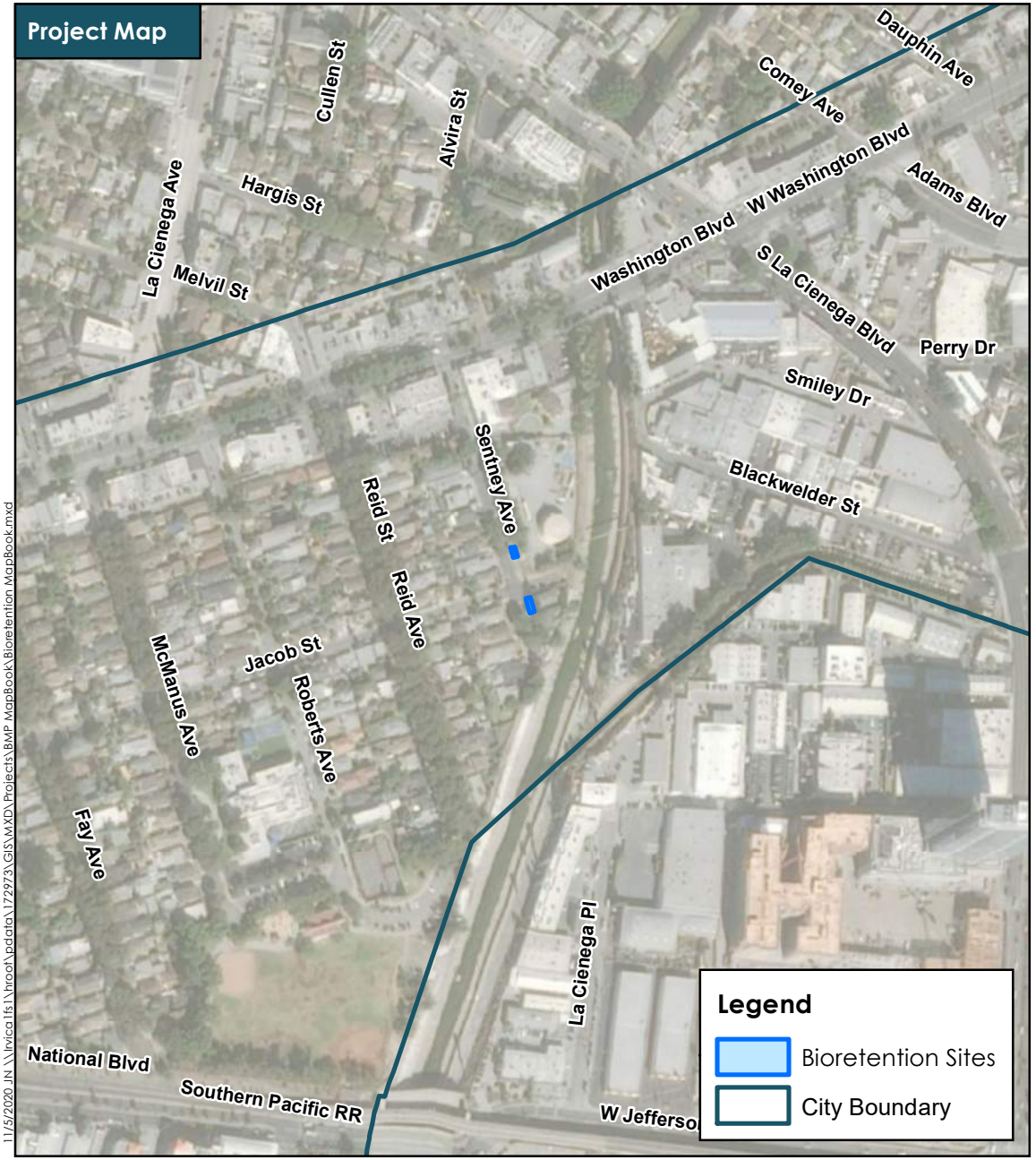
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR135

Project Map

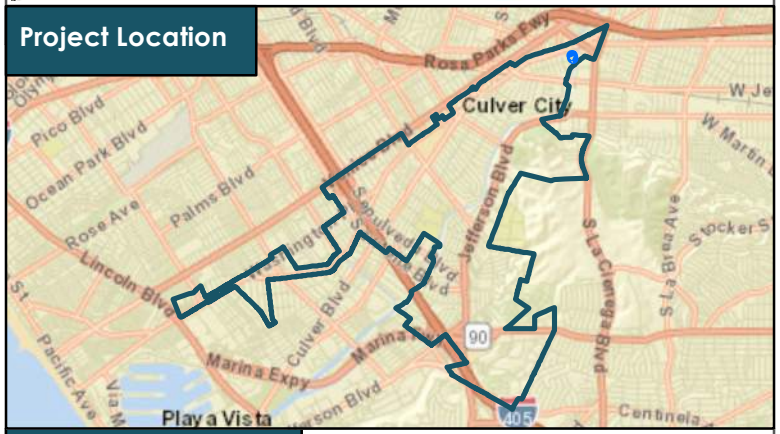


11/5/2020 JN \\Irvlcal1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.03
Drainage Area (ac):		0.31
Depth to Groundwater (ft):		21
EWMP Equivalient Volume (ac-ft):		0.03
Cost Estimate:	$	15,348

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR136

Project Map

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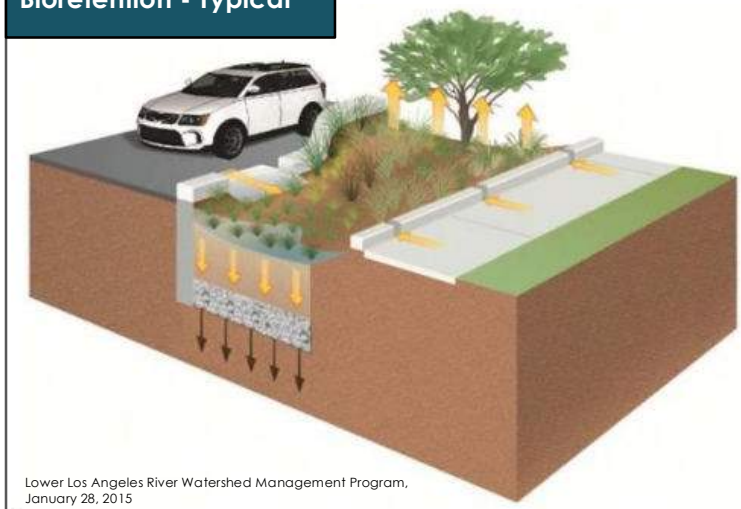
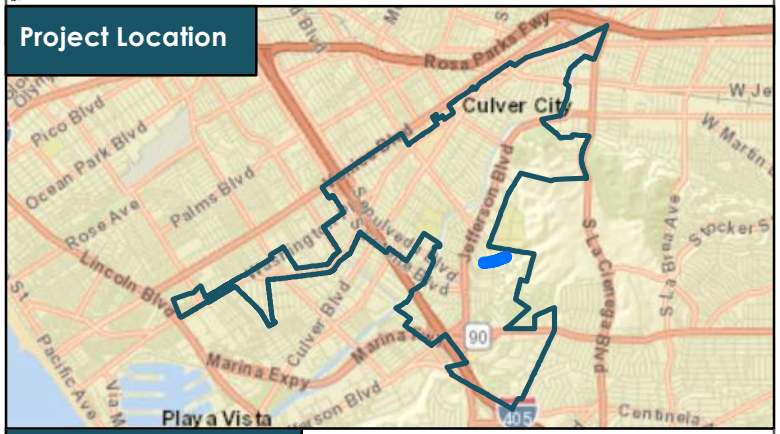
Bioretention - Typical



Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.35
Drainage Area (ac):		4.24
Depth to Groundwater (ft):		76
EWMP Equivalient Volume (ac-ft):		0.31
Cost Estimate:	$	207,949

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

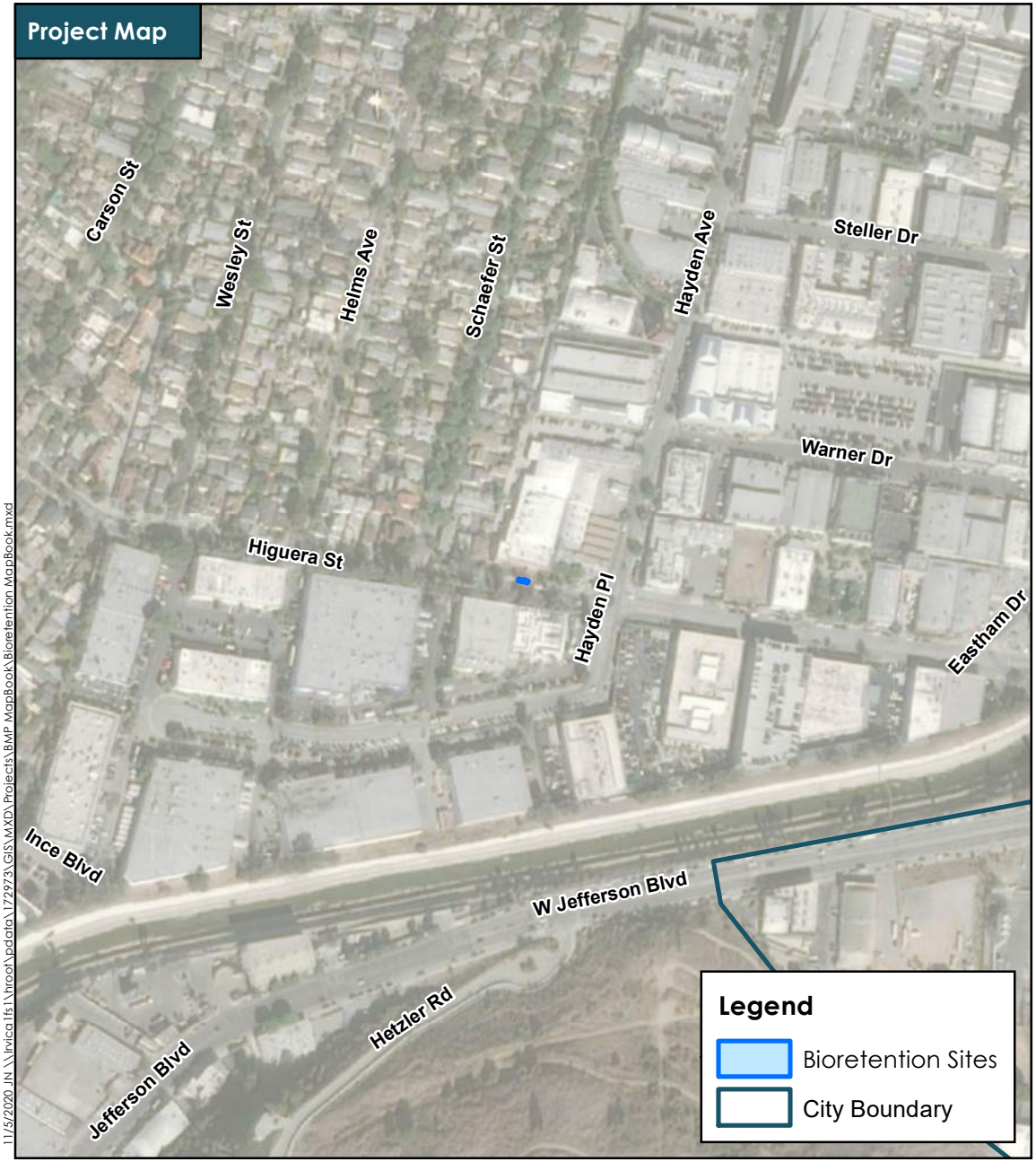
Source: City of Culver City

0 200 400 Feet

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR137

Project Map



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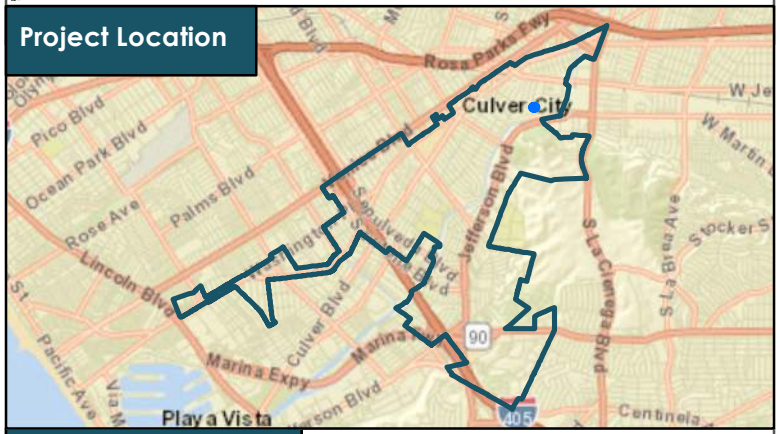
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0
Drainage Area (ac):		0.03
Depth to Groundwater (ft):		32
EWMP Equivalient Volume (ac-ft):		0
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

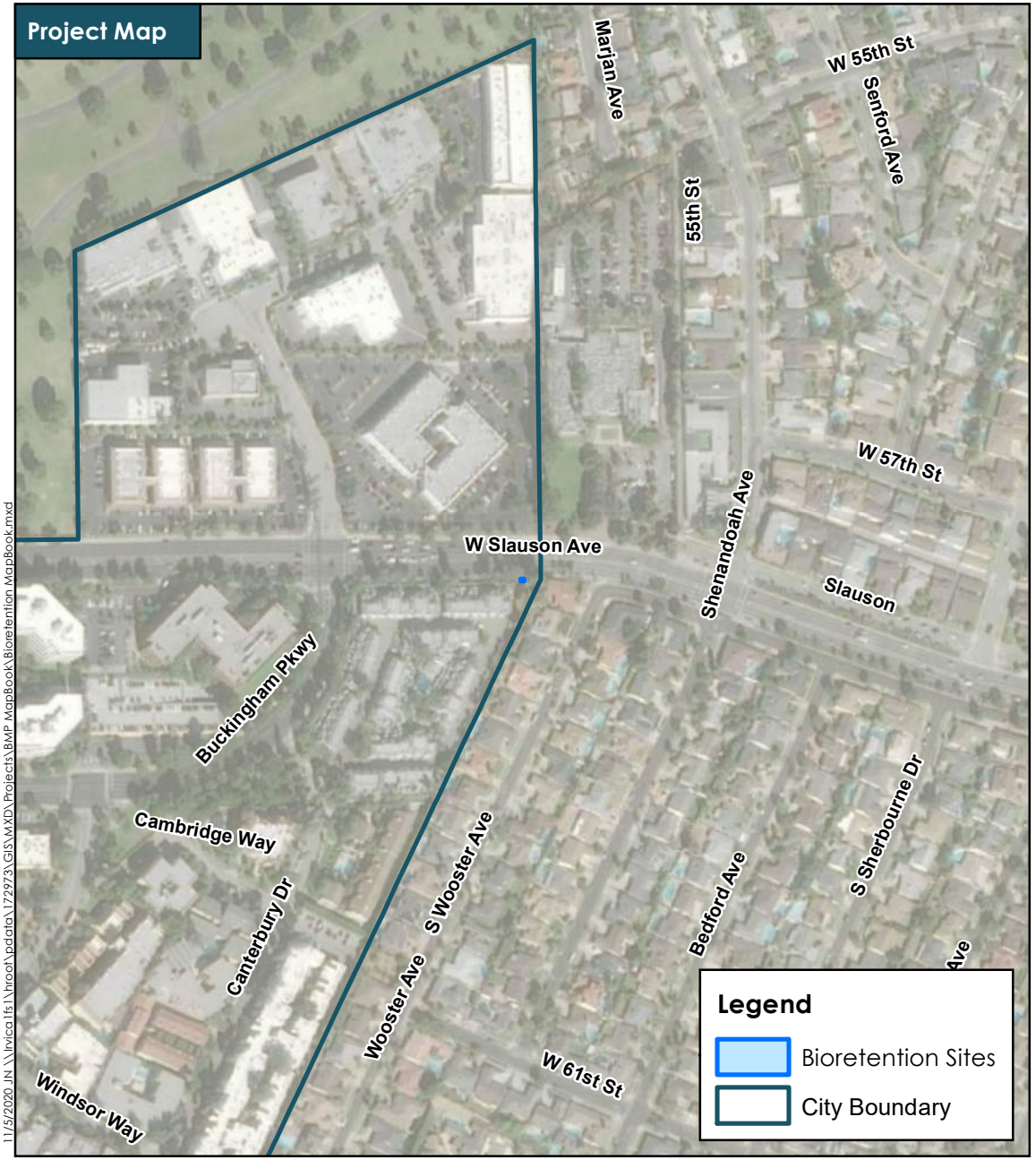
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR138

Project Map

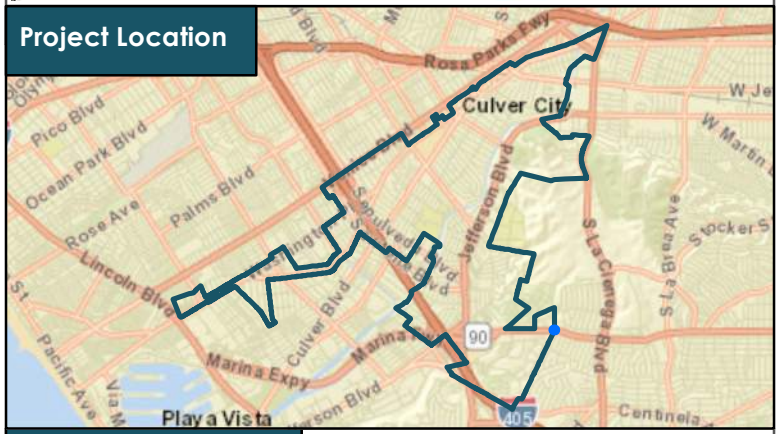


11/5/2020 JN \\Irvlca1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0
Drainage Area (ac):		0.01
Depth to Groundwater (ft):		134
EWMP Equivalient Volume (ac-ft):		0
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

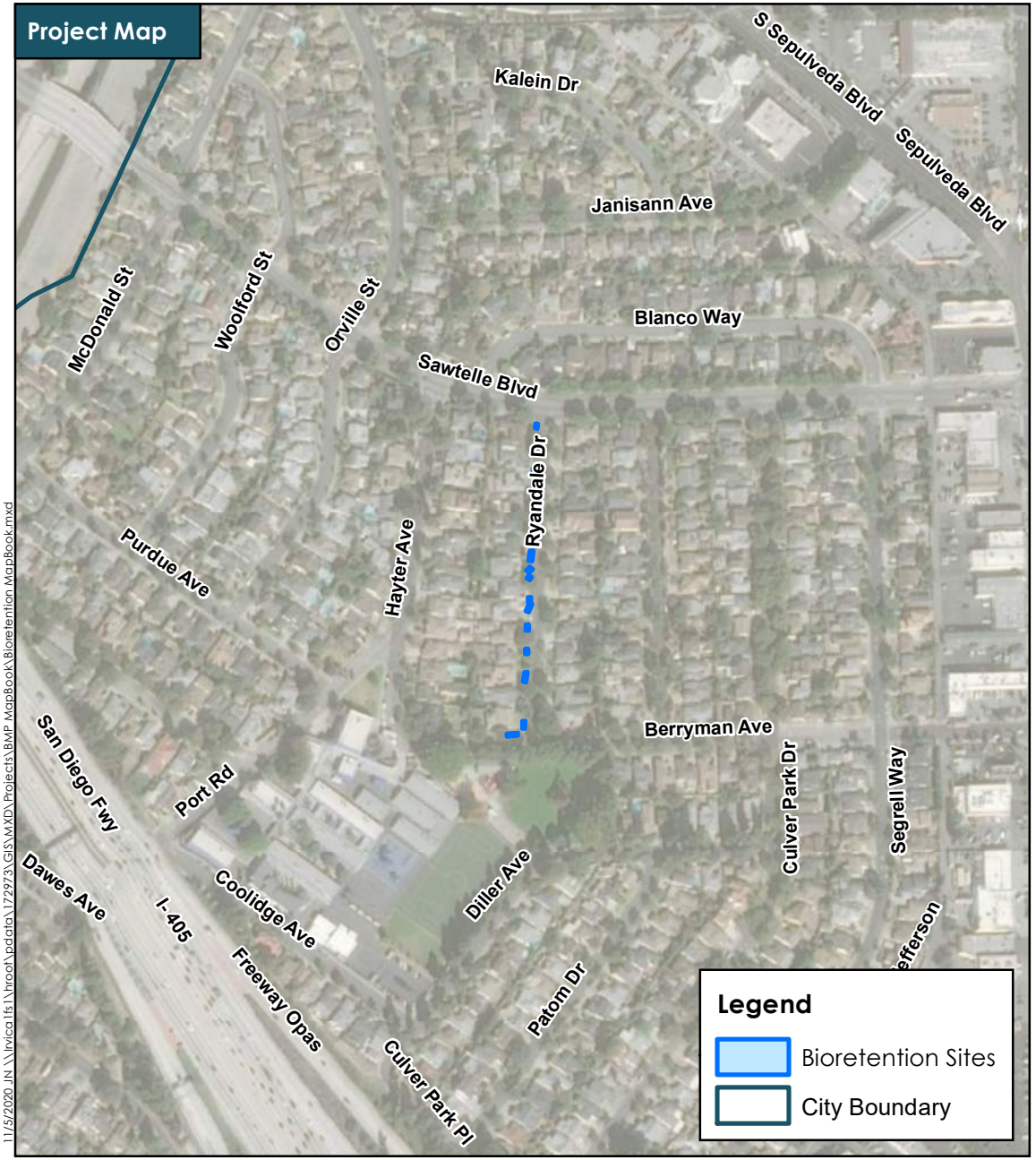
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR139

Project Map



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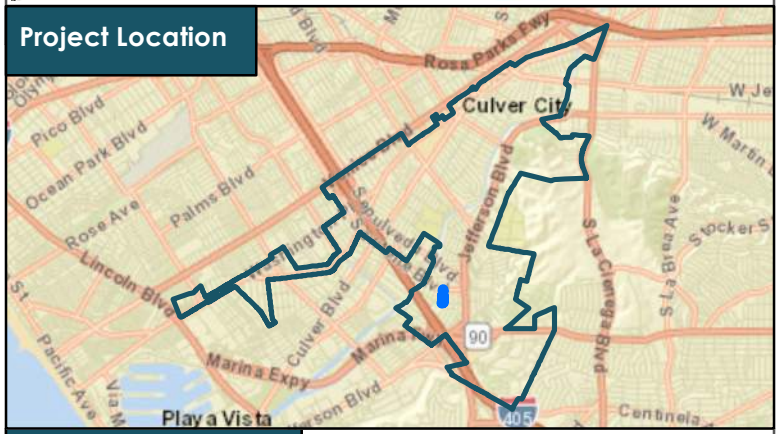
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.03
Drainage Area (ac):		0.33
Depth to Groundwater (ft):		18
EWMP Equivalient Volume (ac-ft):		0.02
Cost Estimate:	$	16,014

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

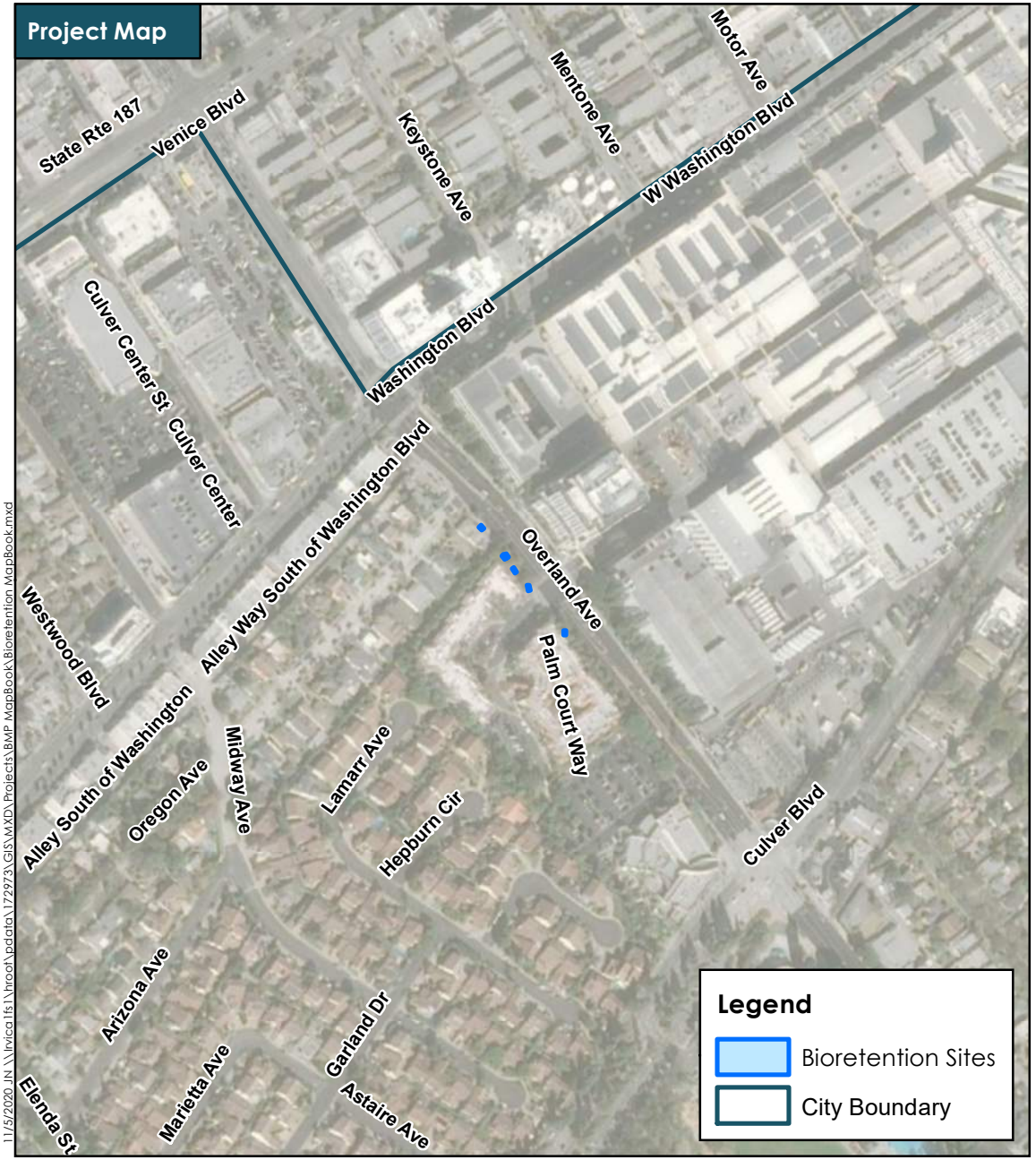
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR140

Project Map



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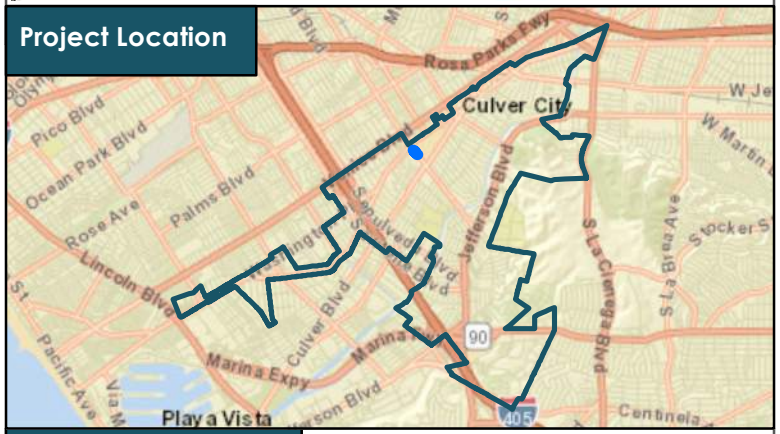
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.01
Drainage Area (ac):		0.08
Depth to Groundwater (ft):		25
EWMP Equivalient Volume (ac-ft):		0
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

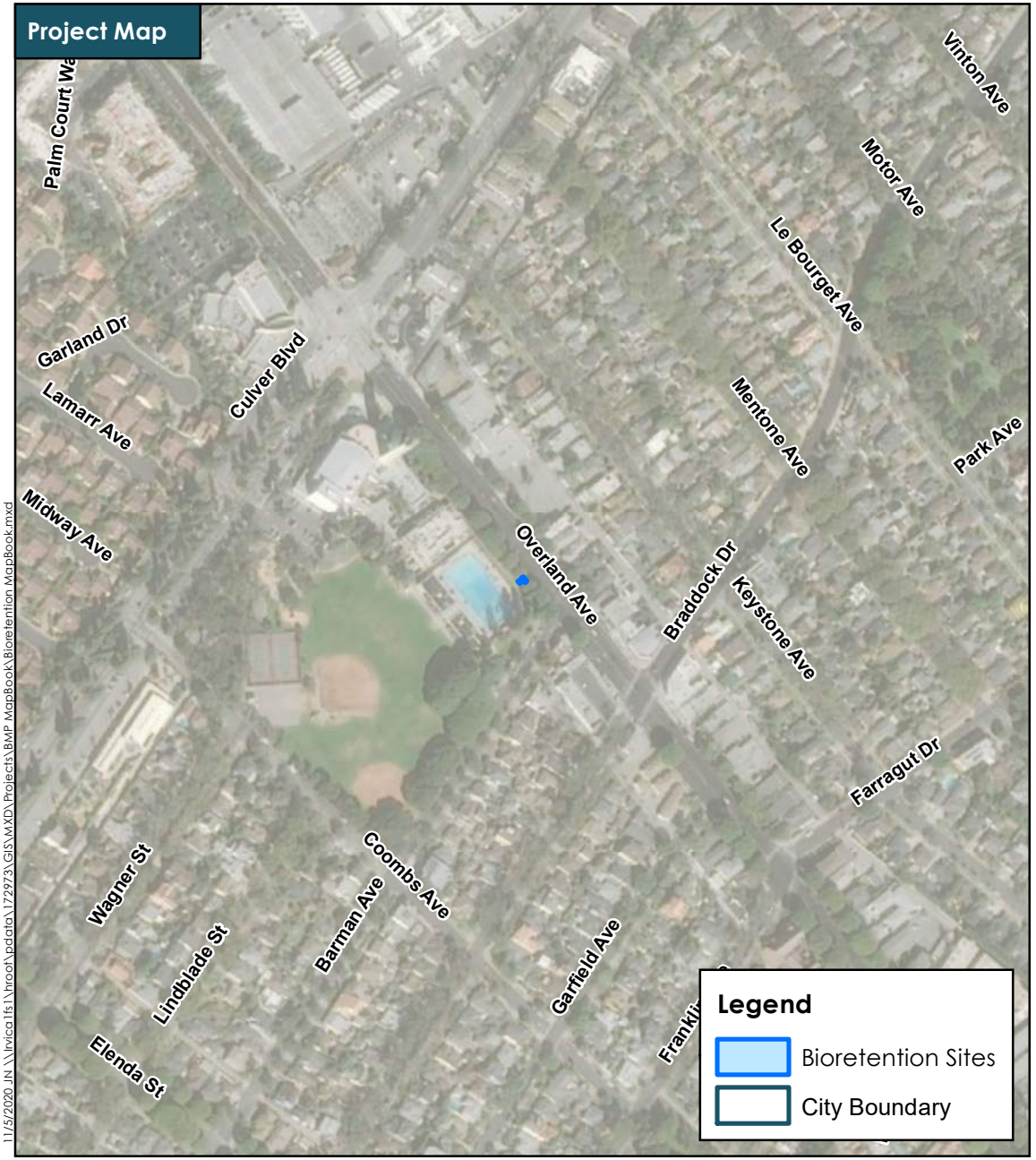
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR141

Project Map



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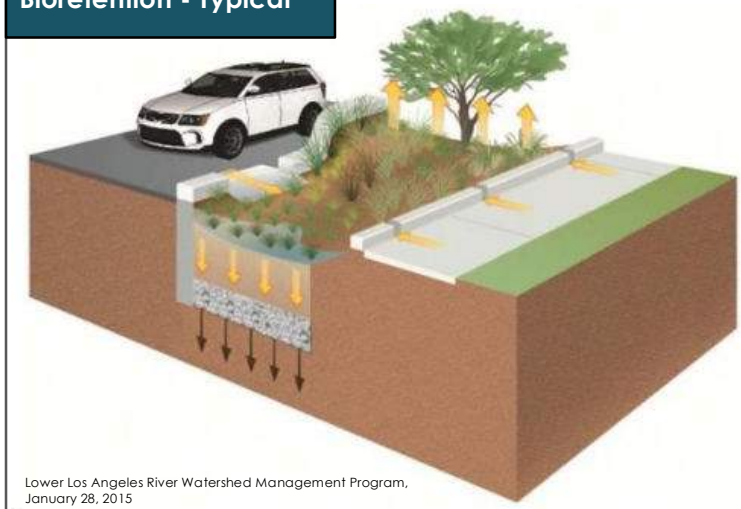
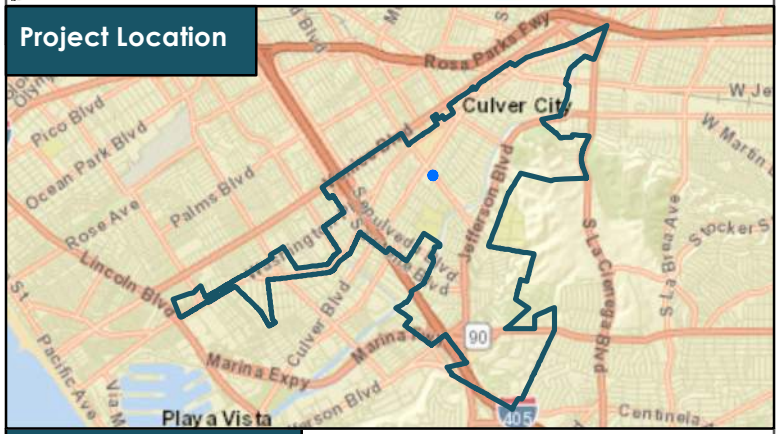
Bioretention - Typical



Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0
Drainage Area (ac):		0.03
Depth to Groundwater (ft):		26
EWMP Equivalient Volume (ac-ft):		0
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

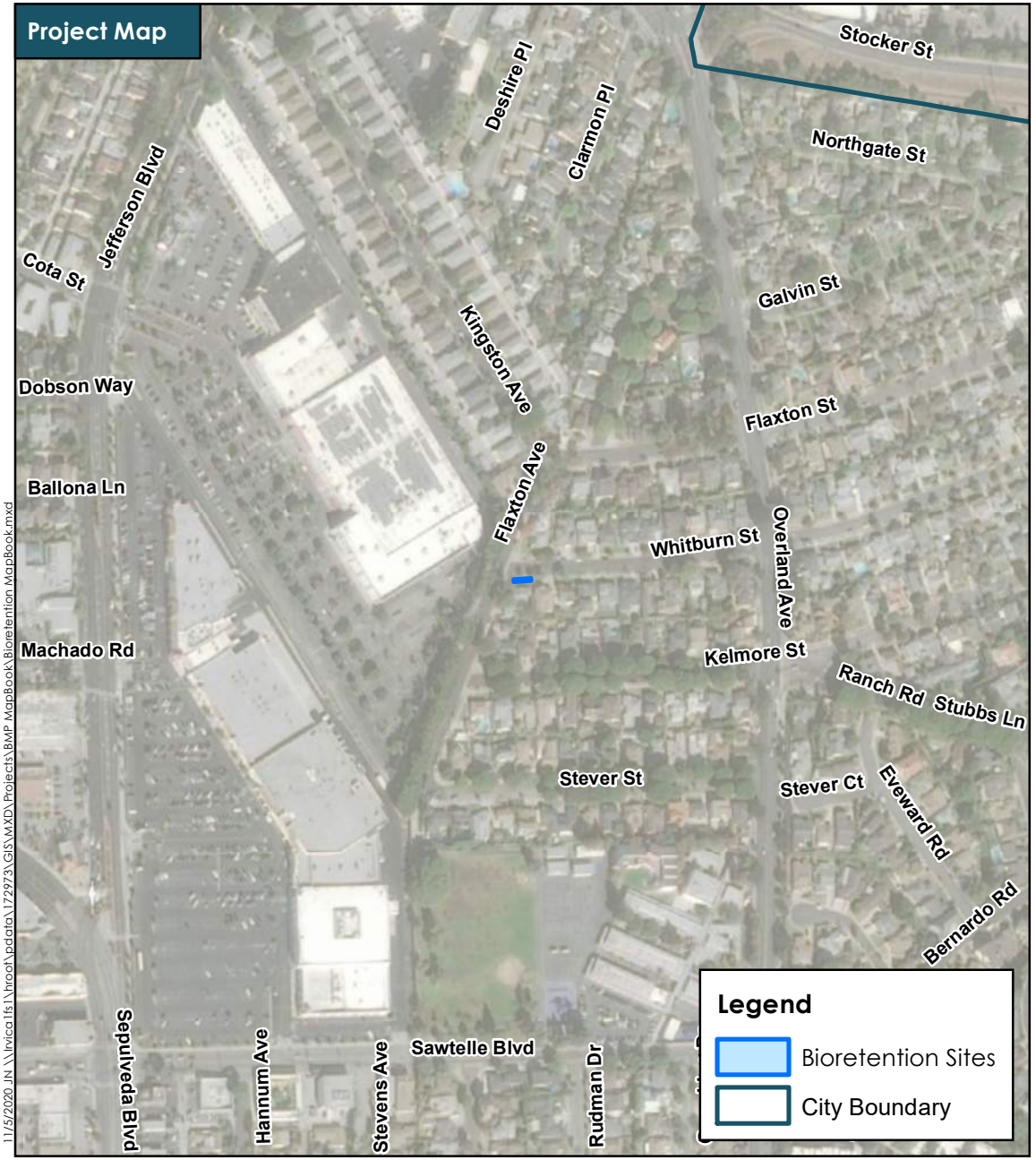
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR142

Project Map



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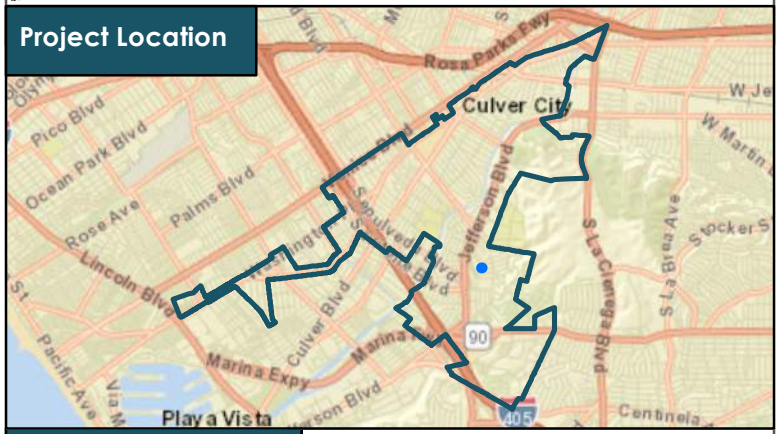
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0
Drainage Area (ac):		0.06
Depth to Groundwater (ft):		31
EWMP Equivalient Volume (ac-ft):		0
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

Michael Baker INTERNATIONAL

BLUE OCEAN CIVIL CONSULTING

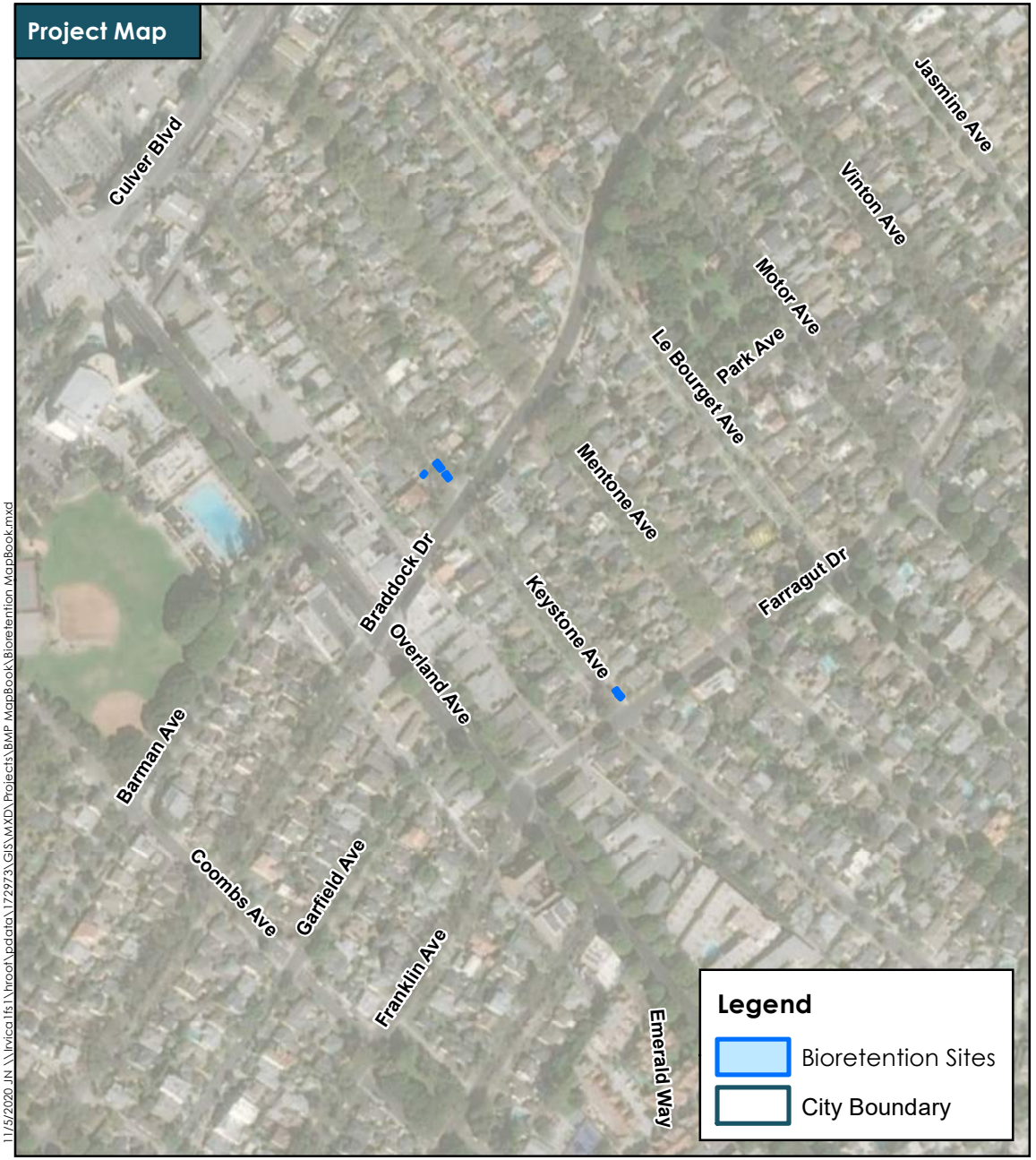
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR143

Project Map

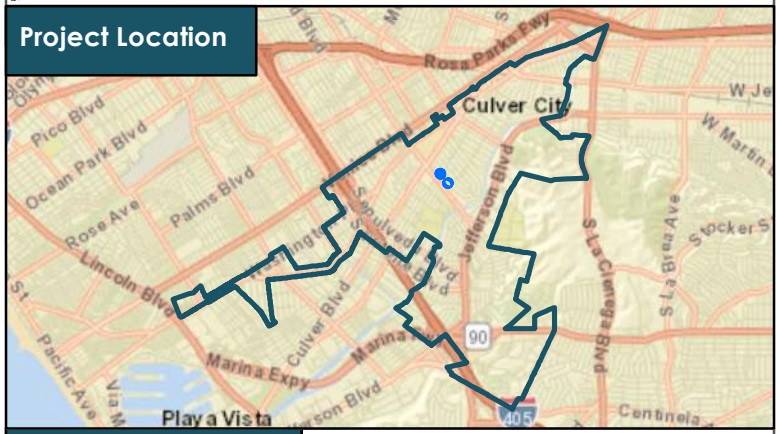


11/5/2020 JN \\Irvlca1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.02
Drainage Area (ac):		0.25
Depth to Groundwater (ft):		26
EWMP Equivalient Volume (ac-ft):		0.01
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

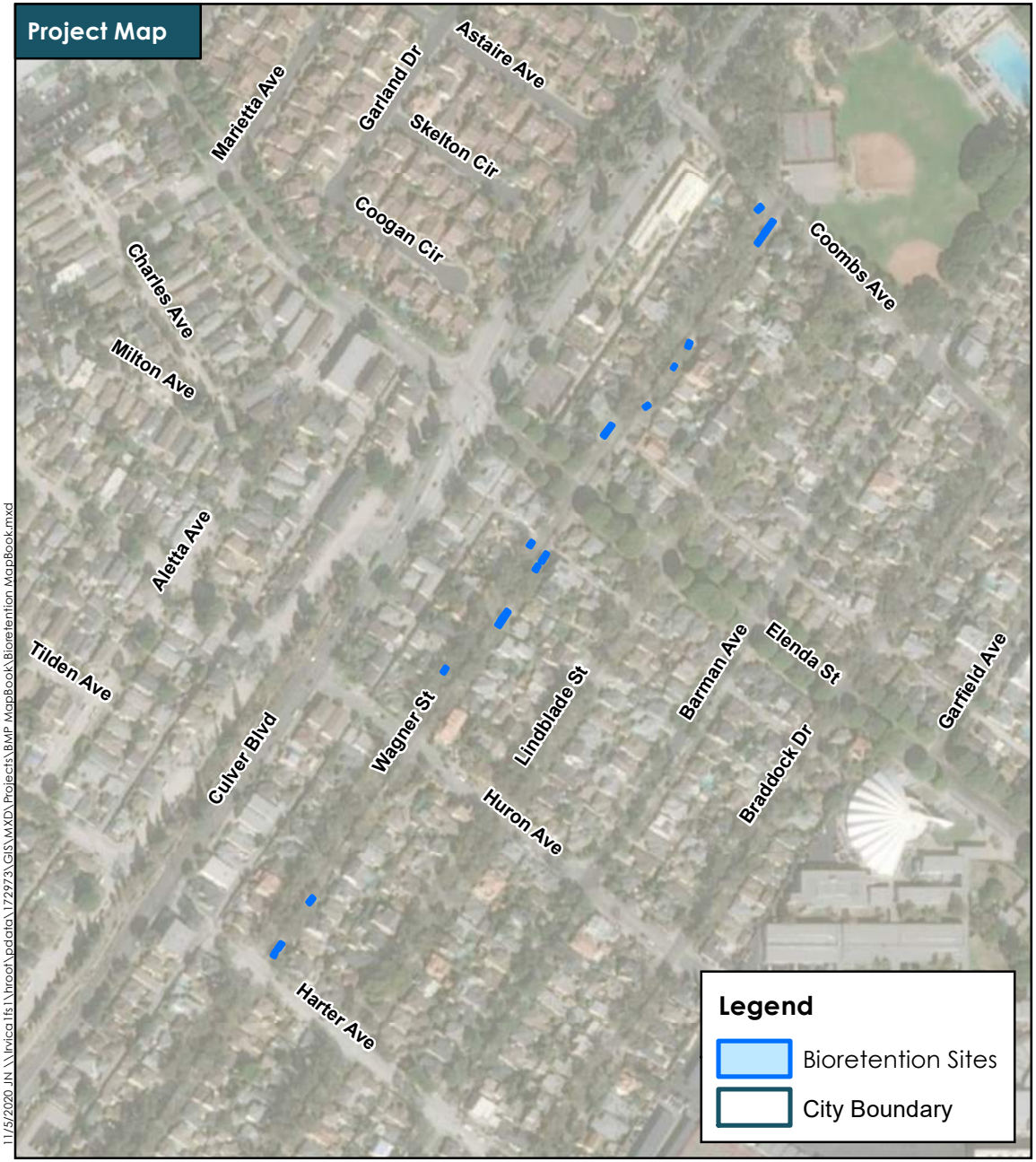
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR144

Project Map

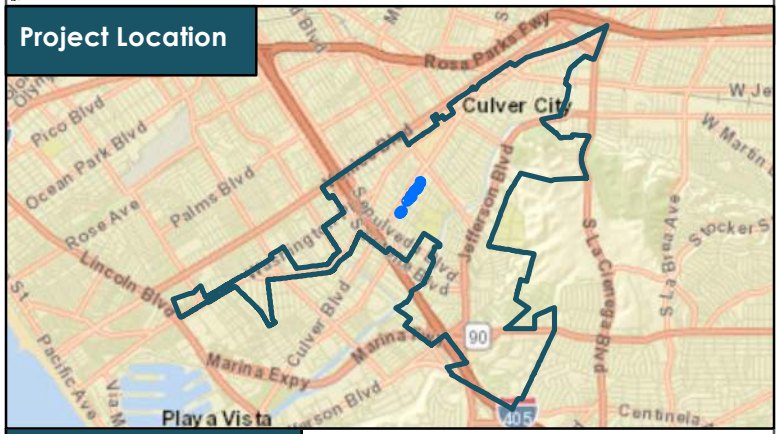


11/5/2020 JN \\Irvlcal1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.09
Drainage Area (ac):		1.11
Depth to Groundwater (ft):		23
EWMP Equivalient Volume (ac-ft):		0.05
Cost Estimate:	$	54,190

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

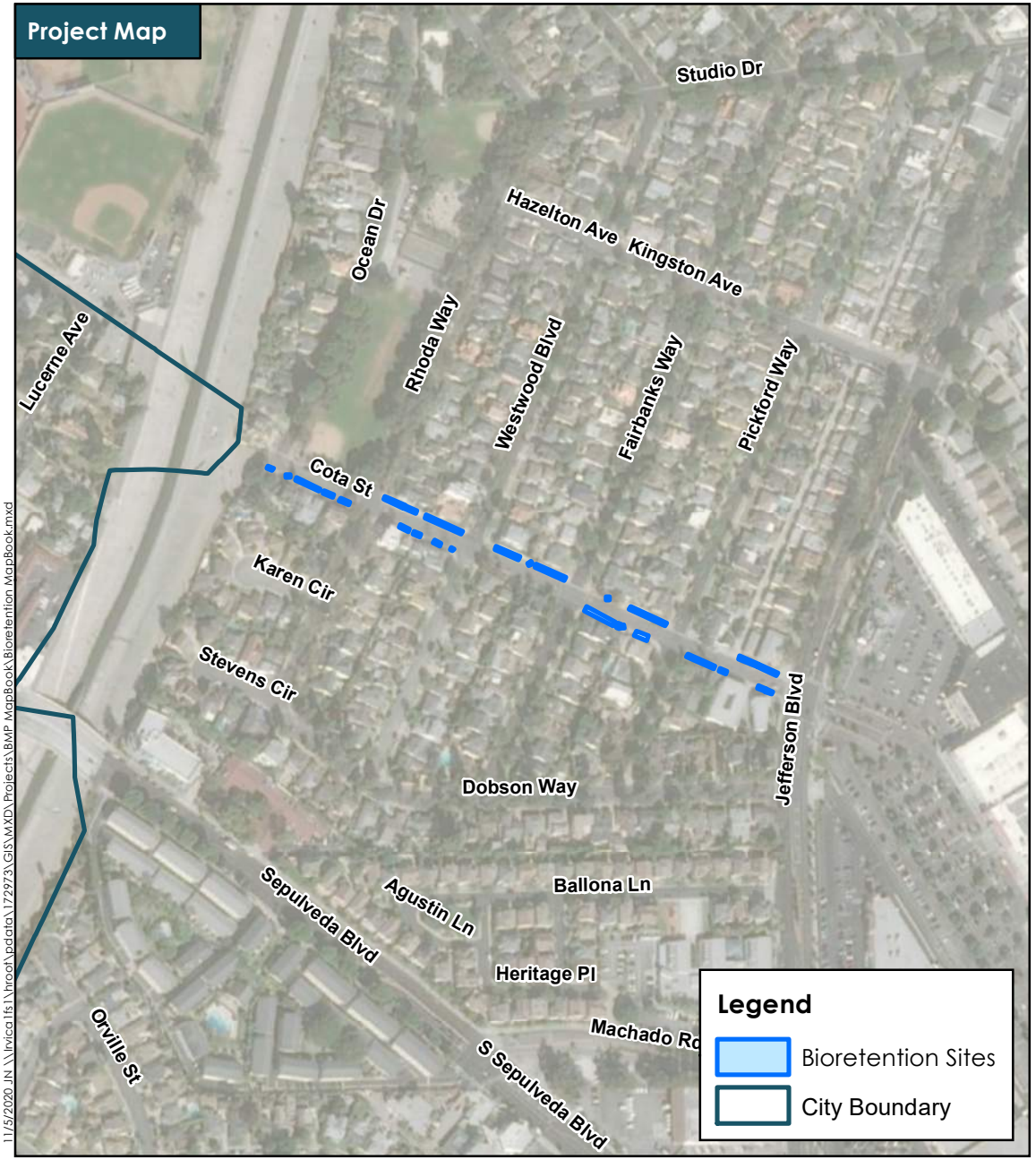
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR145

Project Map



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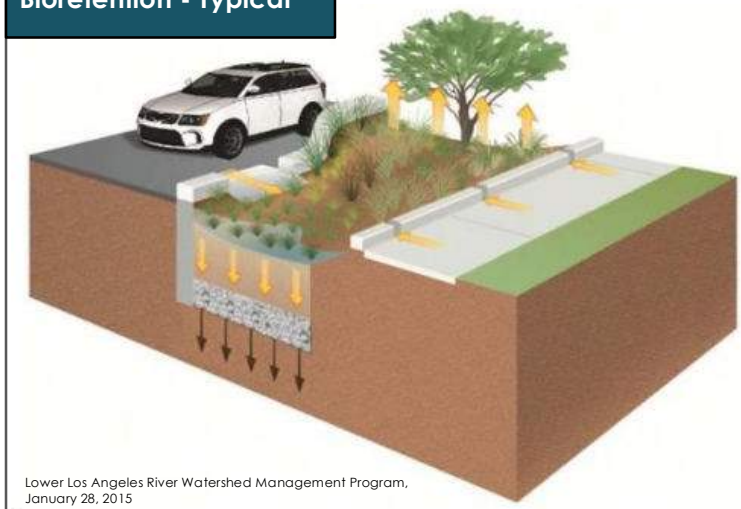
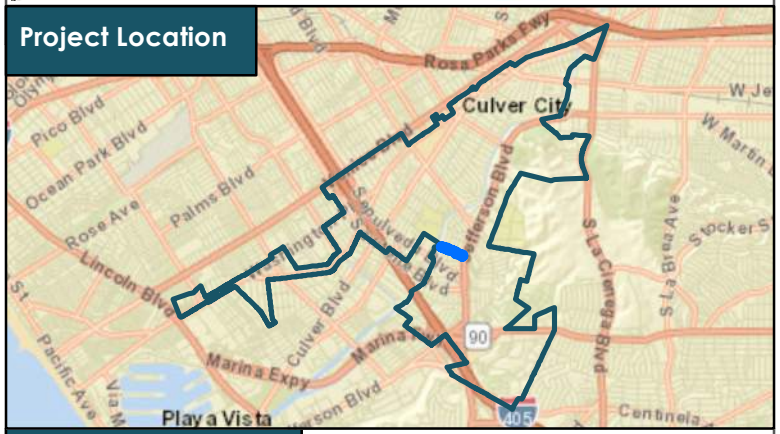
Bioretention - Typical



Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.29
Drainage Area (ac):		3.53
Depth to Groundwater (ft):		23
EWMP Equivalient Volume (ac-ft):		0.26
Cost Estimate:	$	173,218

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

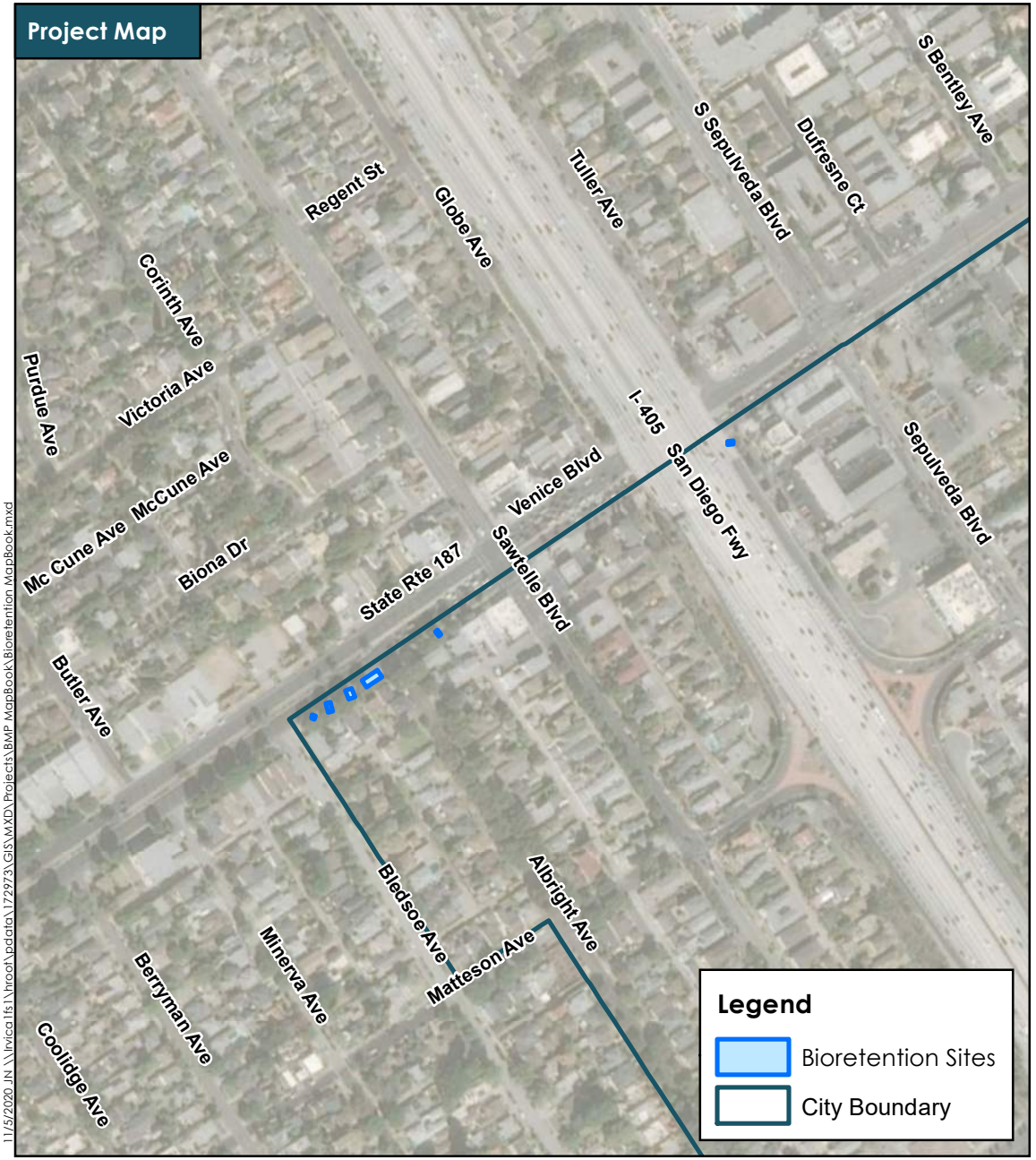
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR146

Project Map



11/5/2020 JN \\Irvlca1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location

Project Information

Storage Capcity (ac-ft):		0.04
Drainage Area (ac):		0.5
Depth to Groundwater (ft):		56
EWMP Equivalient Volume (ac-ft):		0.02
Cost Estimate:	$	24,274

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

Michael Baker INTERNATIONAL

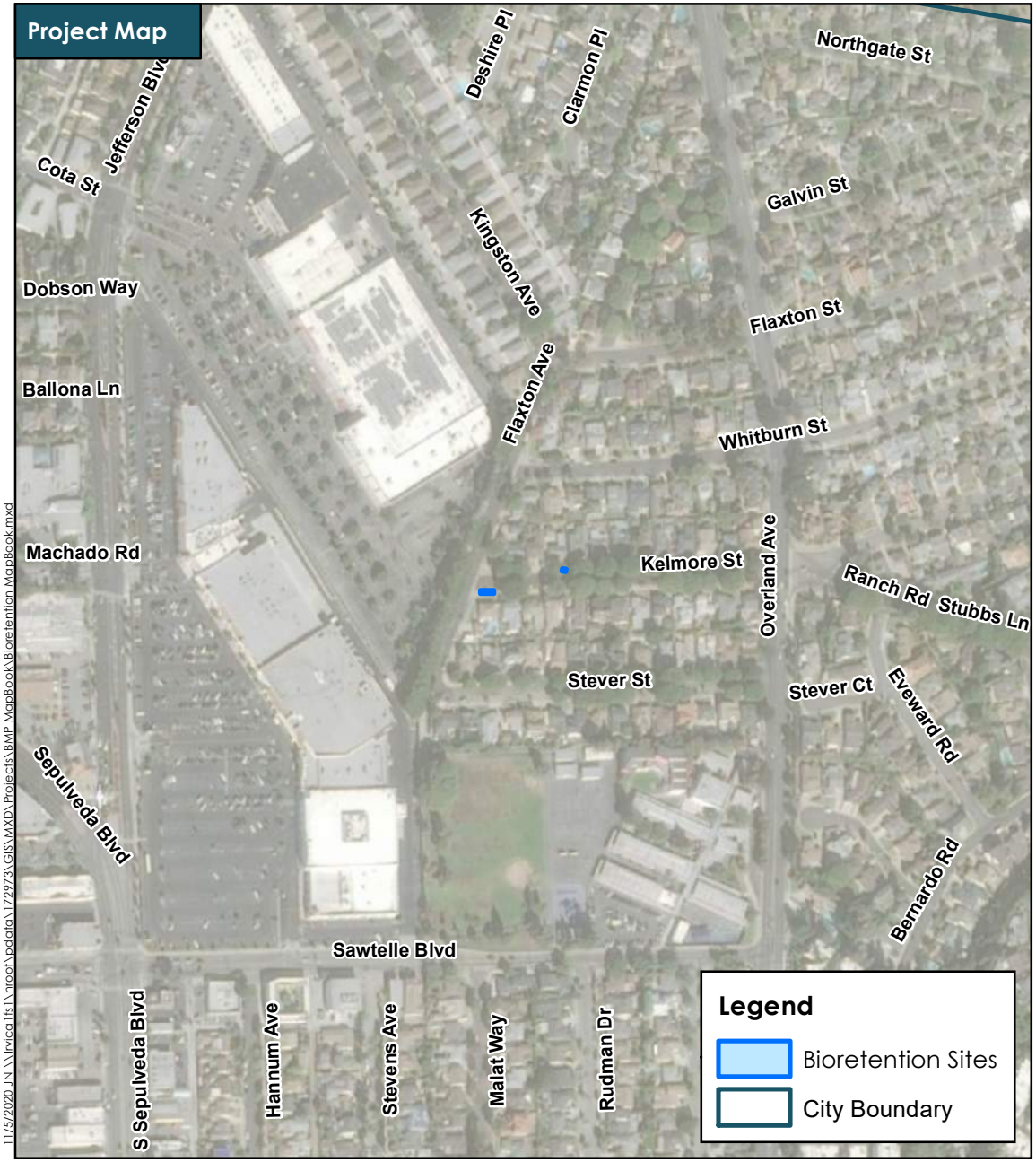
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR147

Project Map

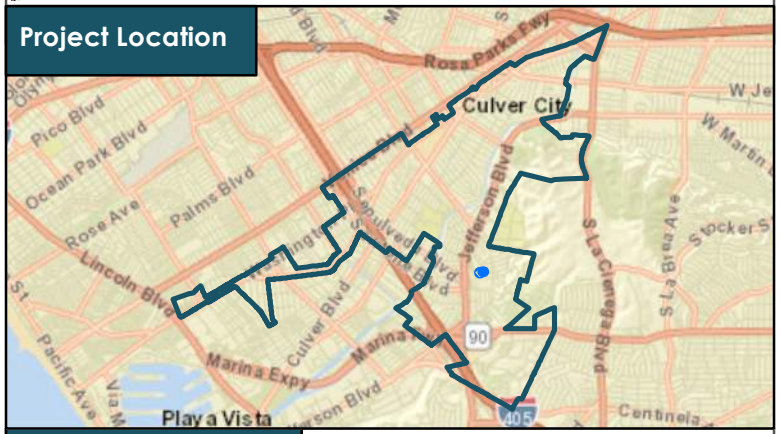


11/5/2020 JN \\Irvlocal1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.01
Drainage Area (ac):		0.13
Depth to Groundwater (ft):		27
EWMP Equivalient Volume (ac-ft):		0.01
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

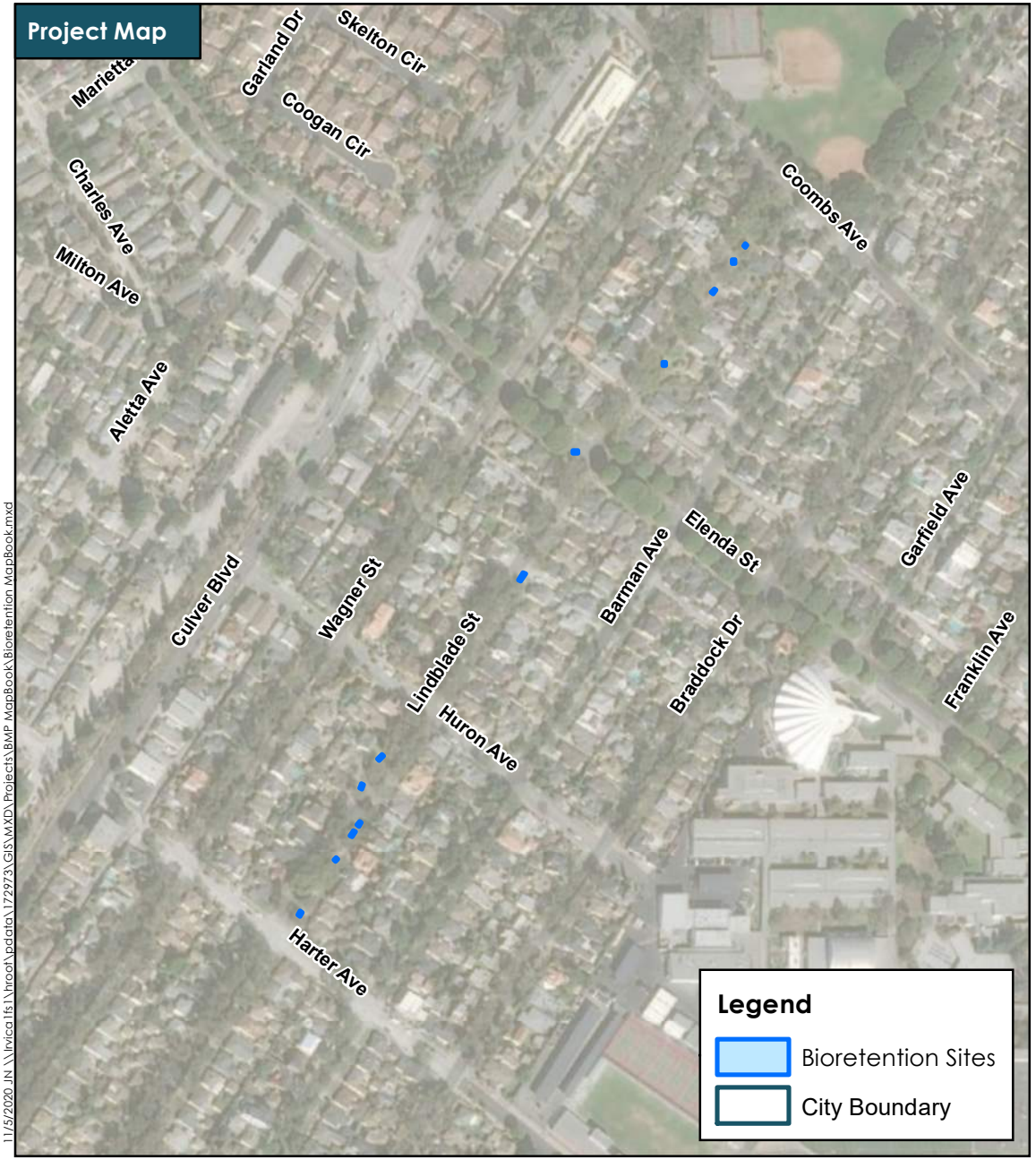
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR148

Project Map

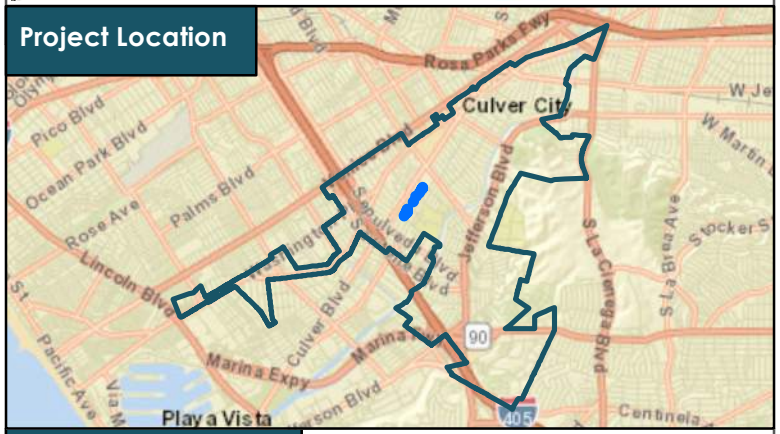


11/5/2020 JN \\Irvlcal1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.02
Drainage Area (ac):		0.19
Depth to Groundwater (ft):		25
EWMP Equivalient Volume (ac-ft):		0.01
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

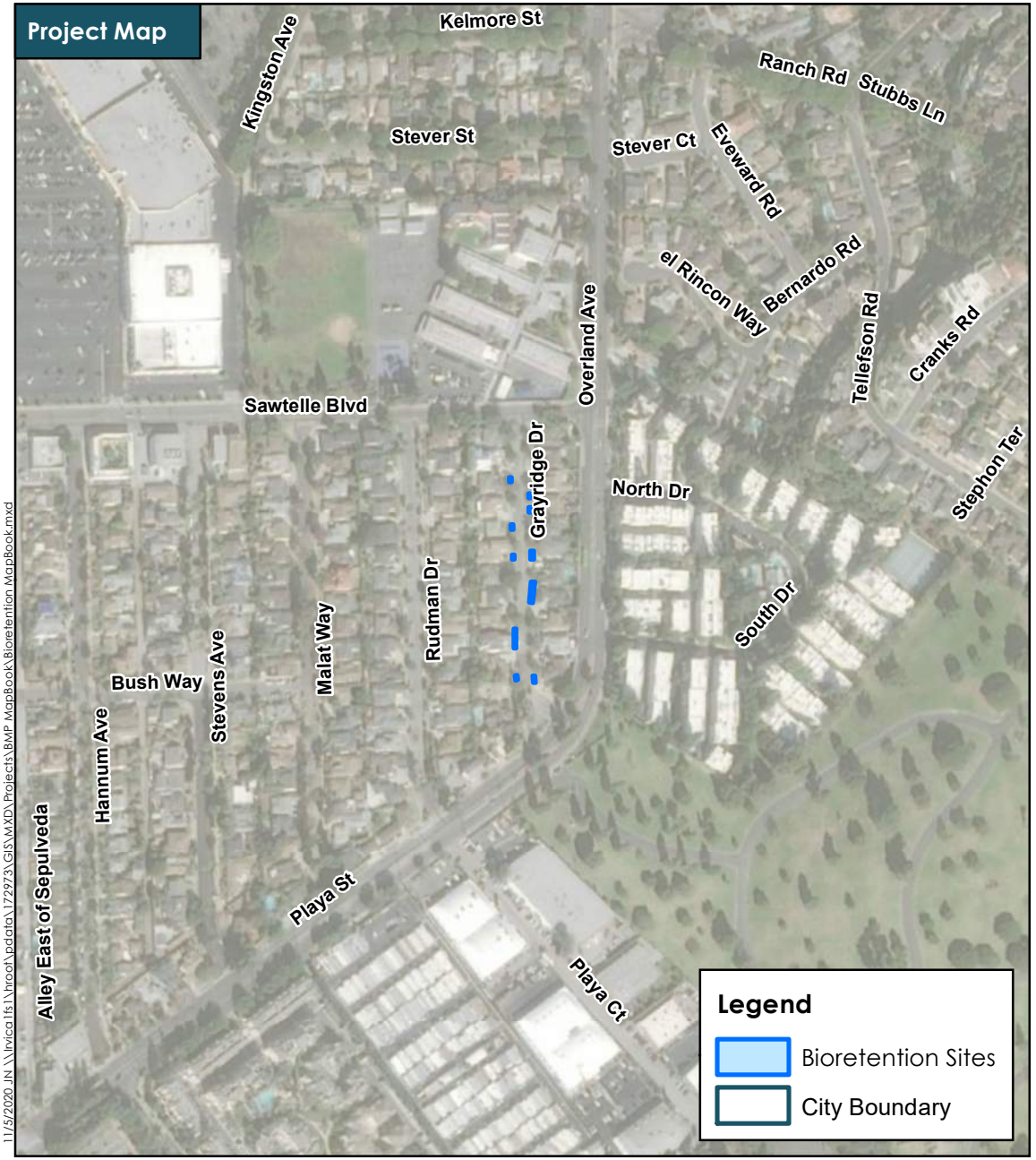
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR149

Project Map

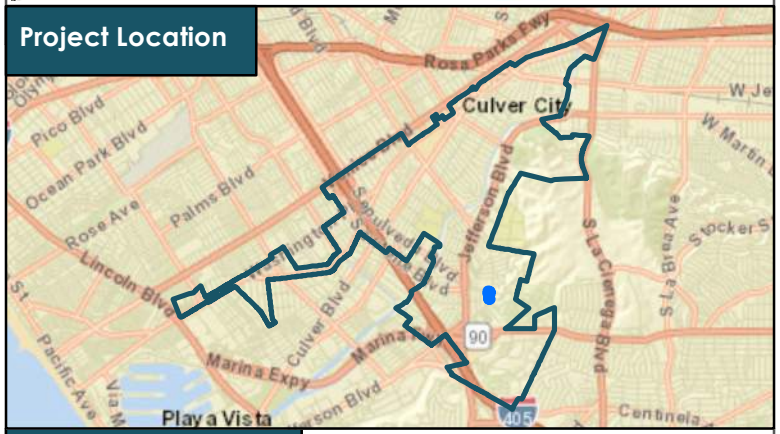


11/5/2020 JN \\Irvlcal1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.04
Drainage Area (ac):		0.44
Depth to Groundwater (ft):		18
EWMP Equivalient Volume (ac-ft):		0.03
Cost Estimate:	$	21,375

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

Michael Baker INTERNATIONAL

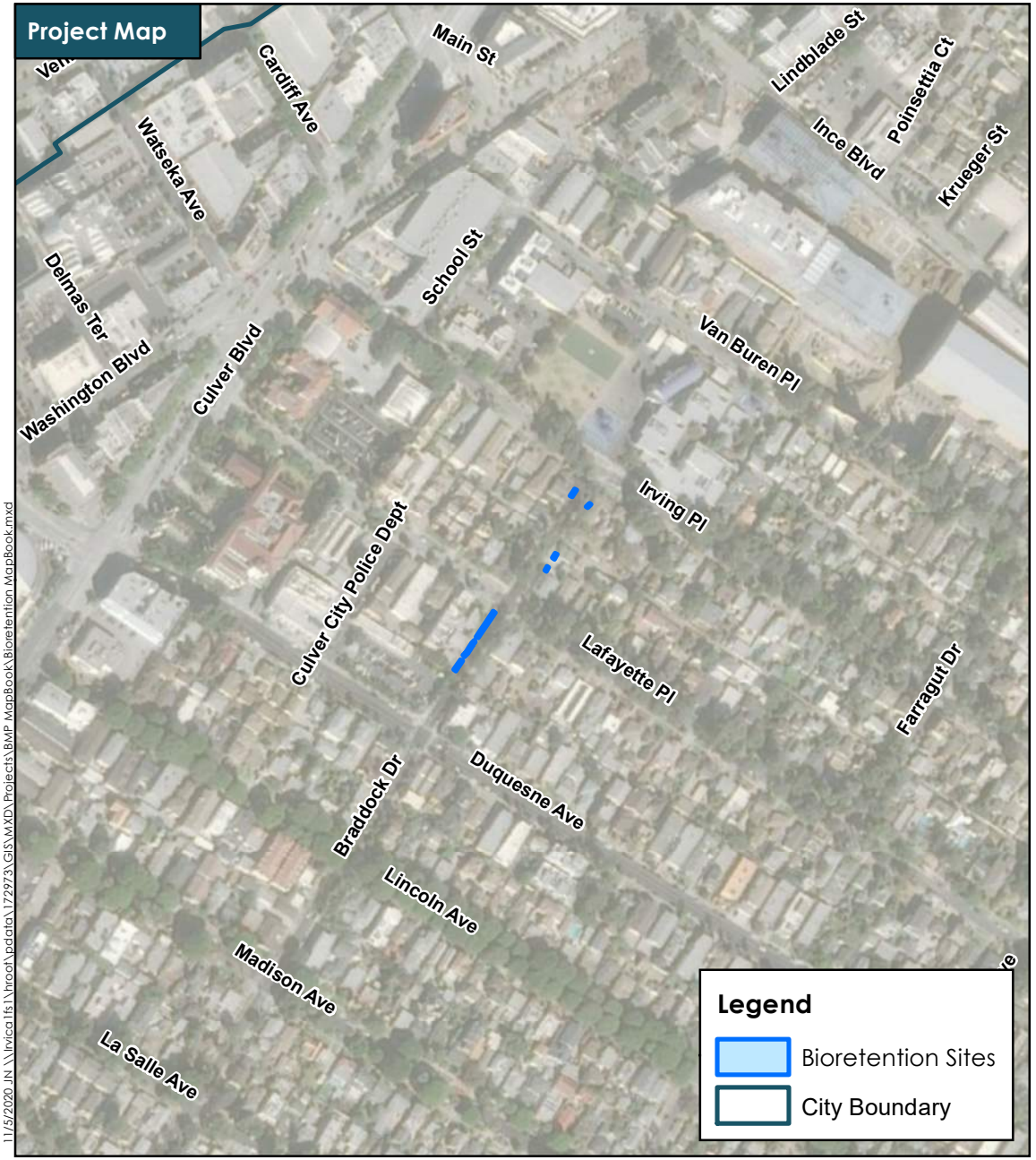
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR150

Project Map



11/5/2020 JN \\Irvlcal1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location

Project Information

Storage Capcity (ac-ft):		0.02
Drainage Area (ac):		0.27
Depth to Groundwater (ft):		34
EWMP Equivalient Volume (ac-ft):		0.01
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

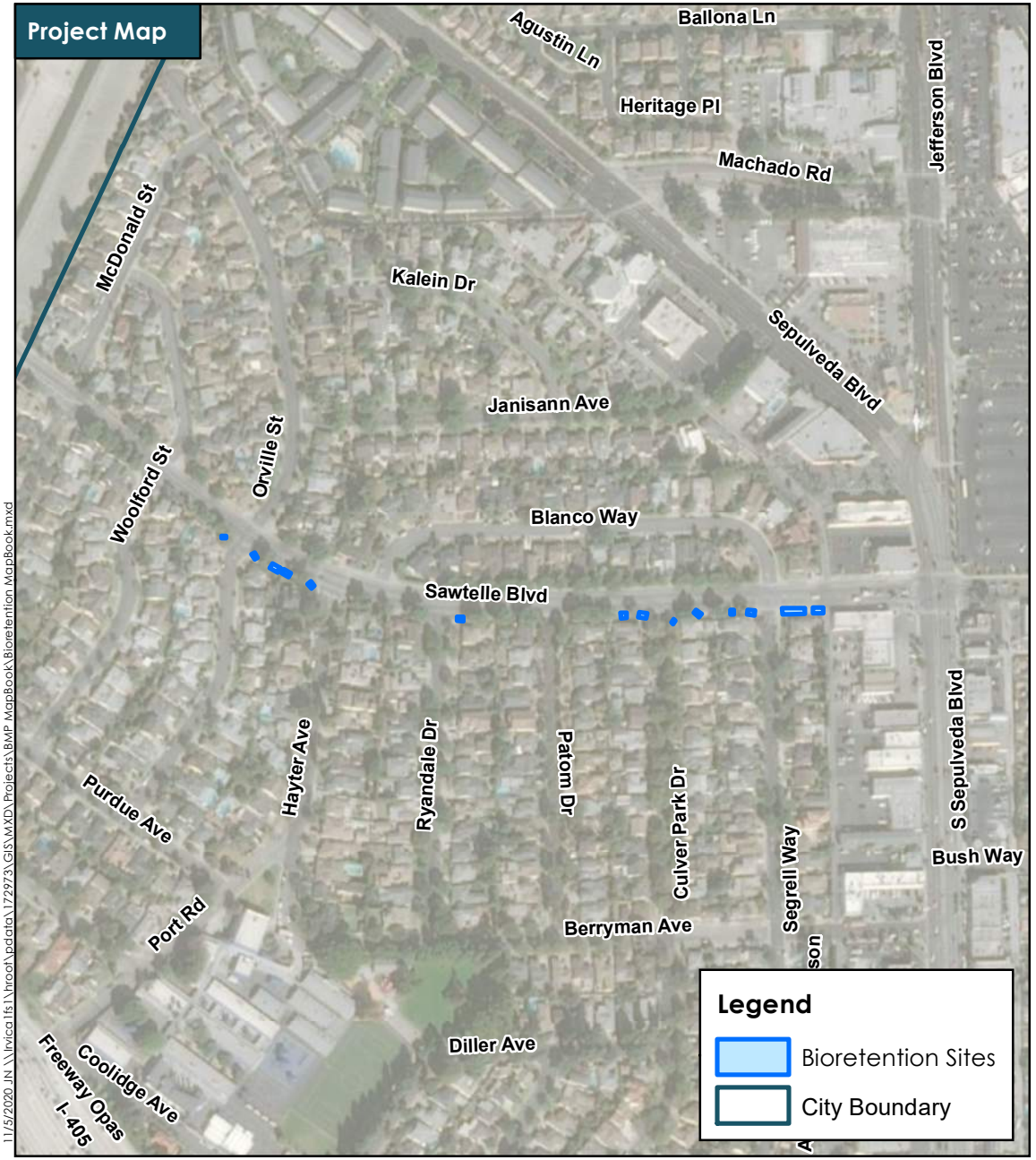
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR151

Project Map

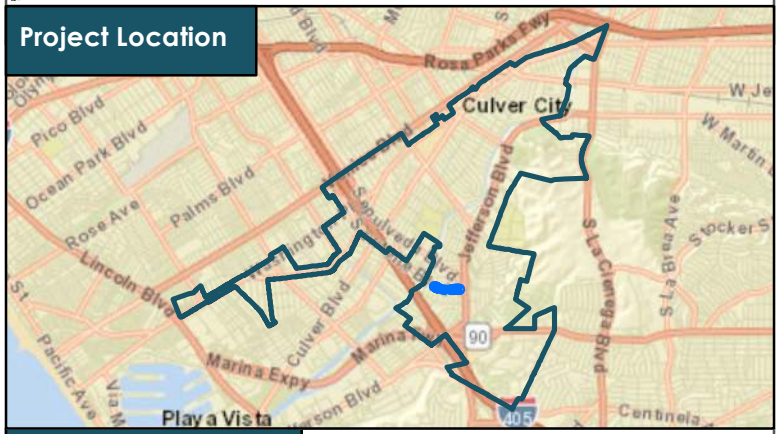


11/5/2020 JN \\Irvlca1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.09
Drainage Area (ac):		1.05
Depth to Groundwater (ft):		19
EWMP Equivalient Volume (ac-ft):		0.08
Cost Estimate:	$	51,439

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR152

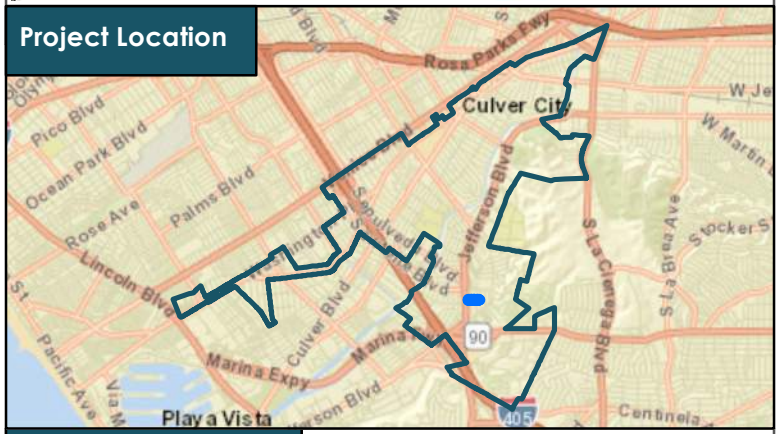
Project Map

11/5/2020 JN \\Irvlca1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.07
Drainage Area (ac):		0.86
Depth to Groundwater (ft):		18
EWMP Equivalient Volume (ac-ft):		0.06
Cost Estimate:	$	41,928

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

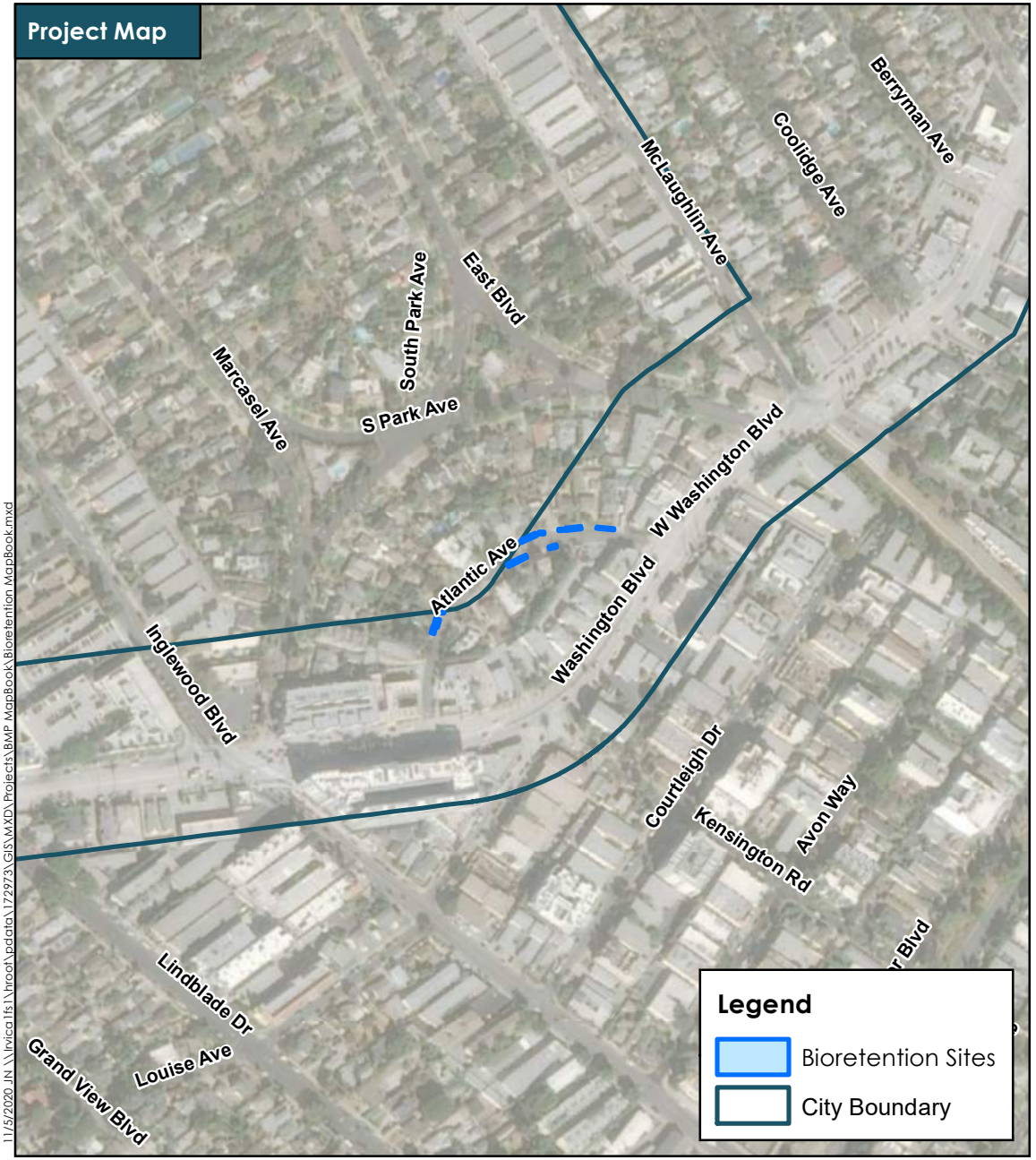
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR153

Project Map



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Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location

Project Information

Storage Capcity (ac-ft):		0.06
Drainage Area (ac):		0.74
Depth to Groundwater (ft):		37
EWMP Equivalient Volume (ac-ft):		0.02
Cost Estimate:	$	36,455

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

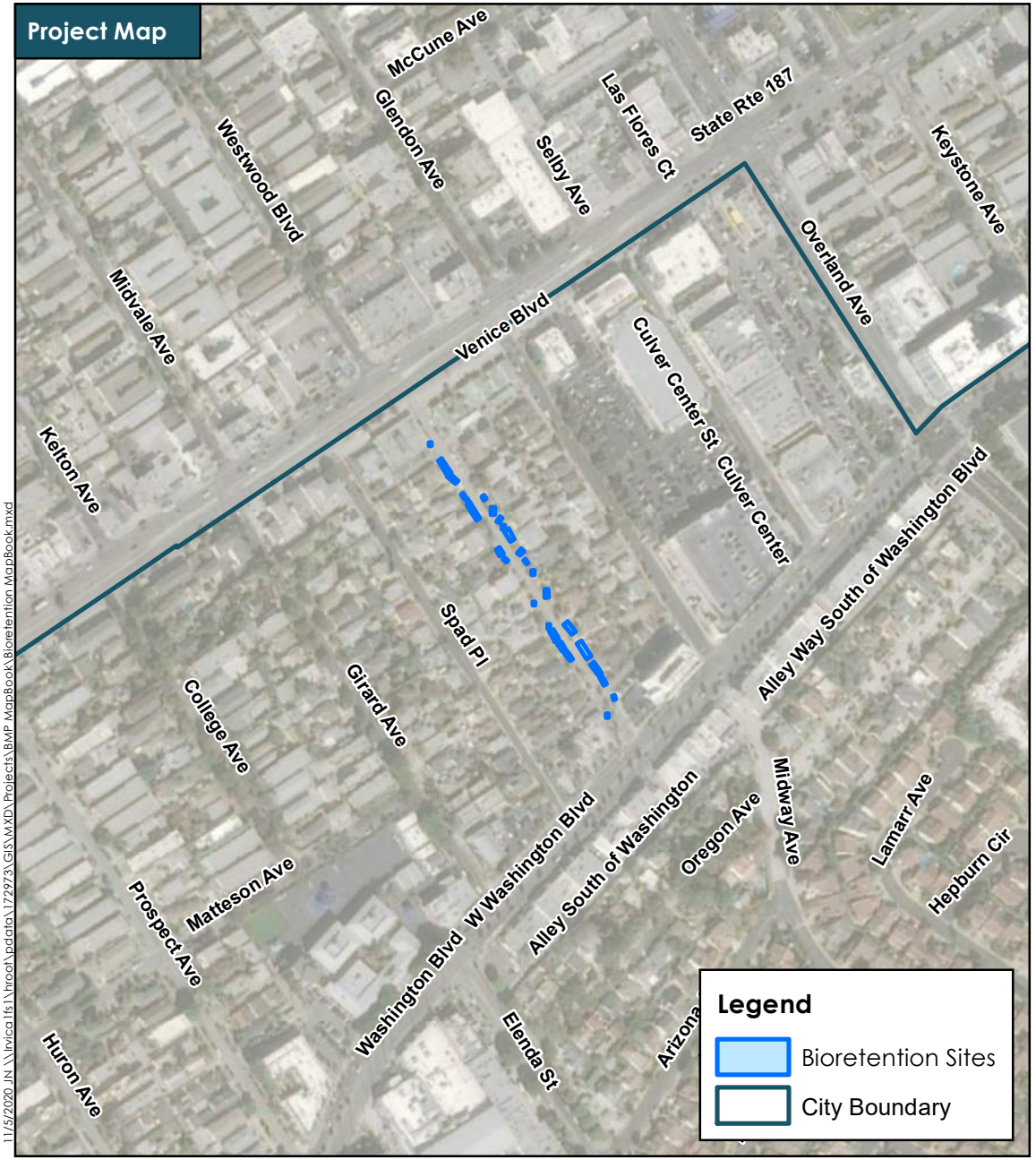
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR154

Project Map

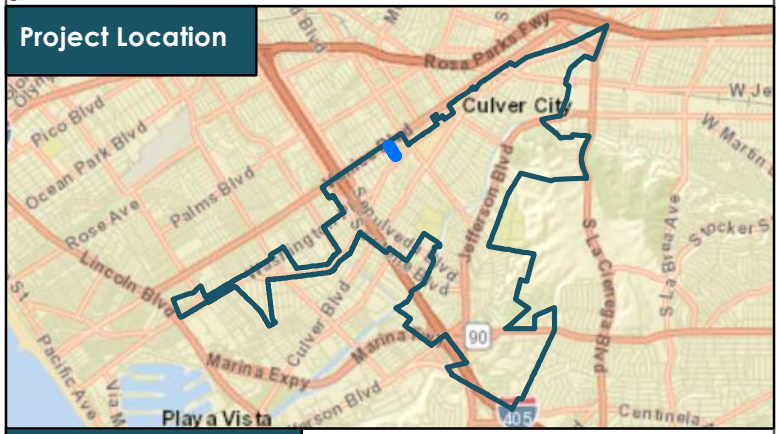


11/5/2020 JN \\Irvlca1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.18
Drainage Area (ac):		2.14
Depth to Groundwater (ft):		41
EWMP Equivalient Volume (ac-ft):		0.1
Cost Estimate:	$	104,677

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

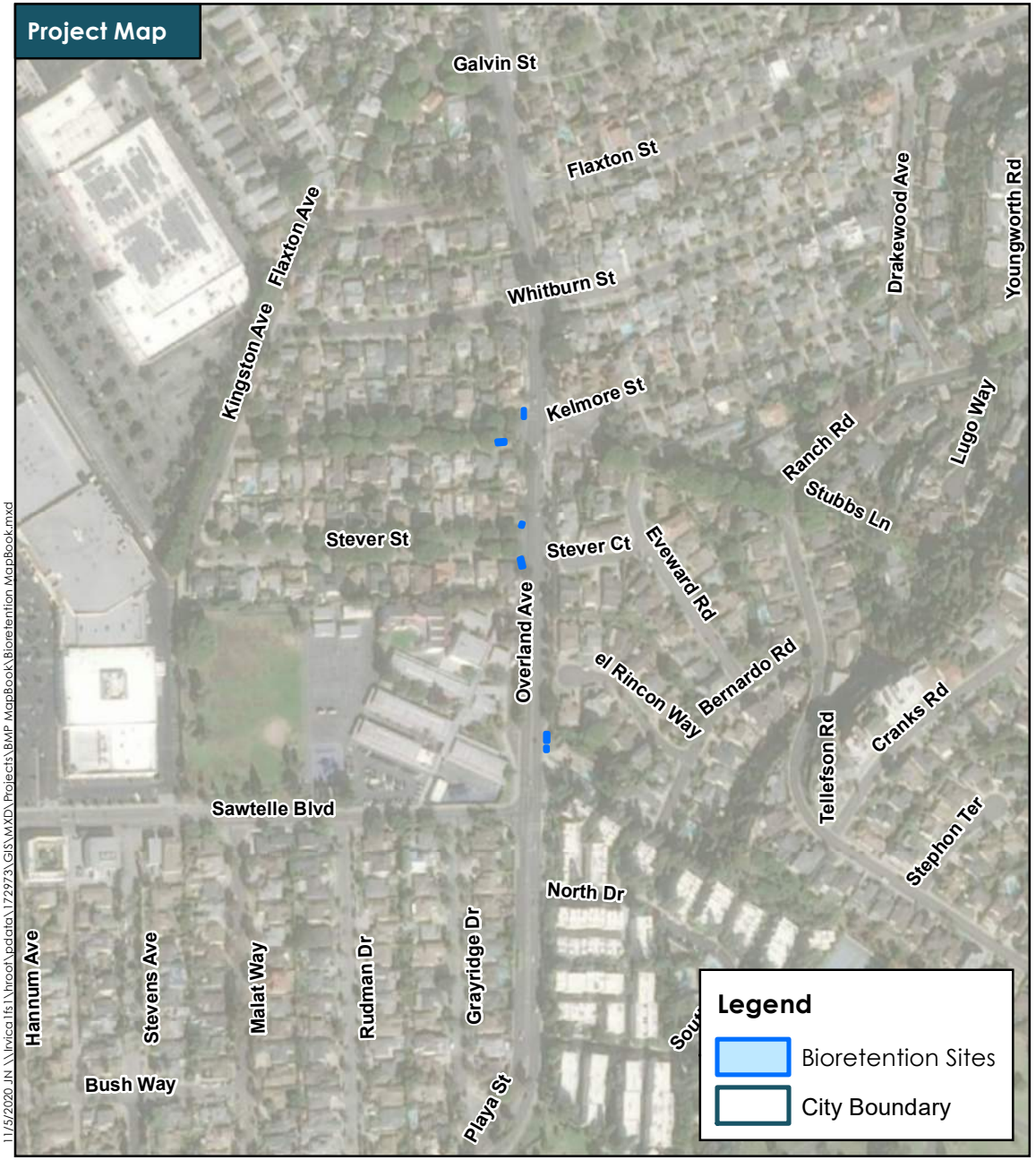
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR155

Project Map



11/5/2020 JN \\Irvlocal1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location

Project Information

Storage Capcity (ac-ft):		0.02
Drainage Area (ac):		0.21
Depth to Groundwater (ft):		30
EWMP Equivalient Volume (ac-ft):		0.02
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

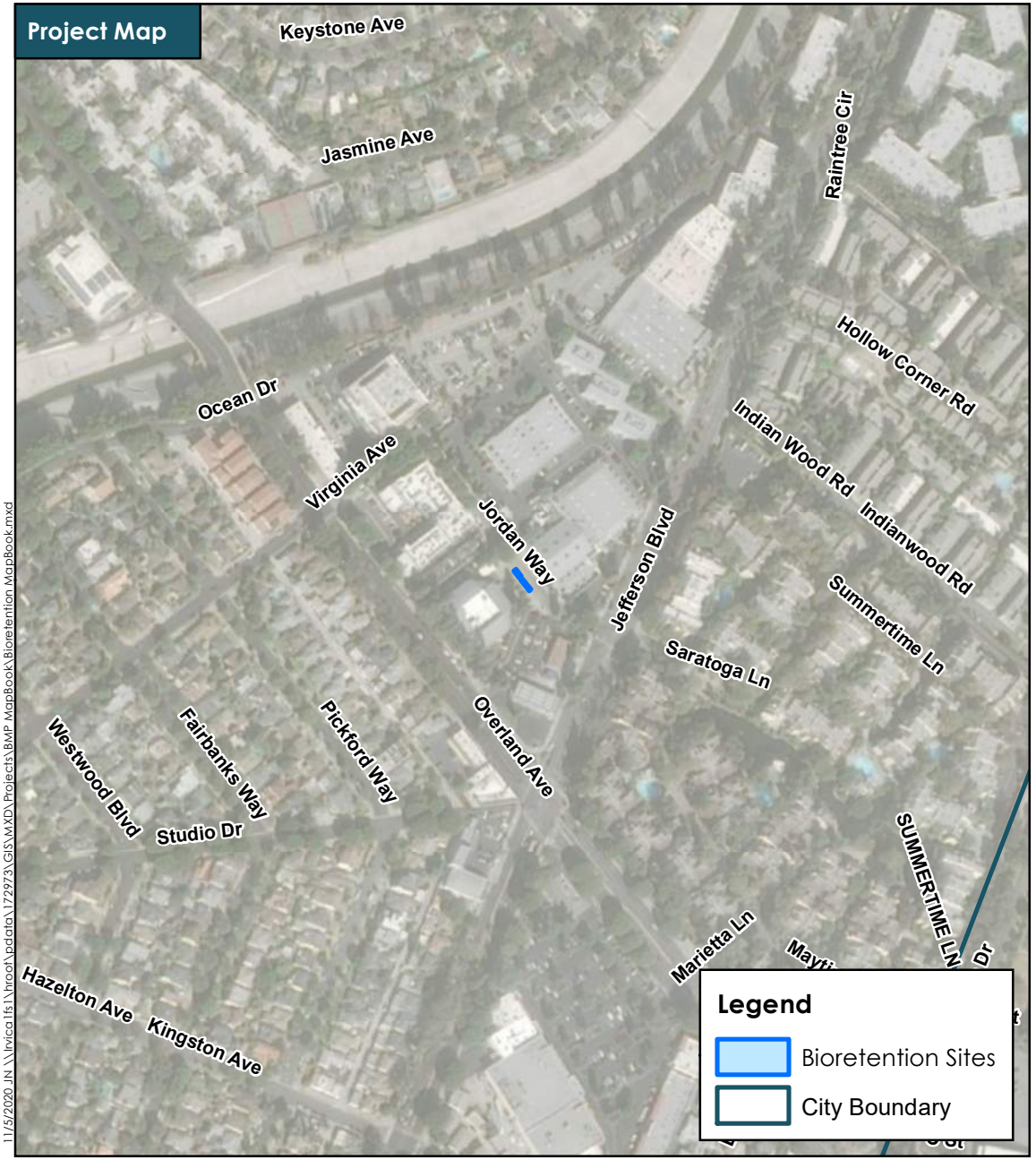
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR156

Project Map

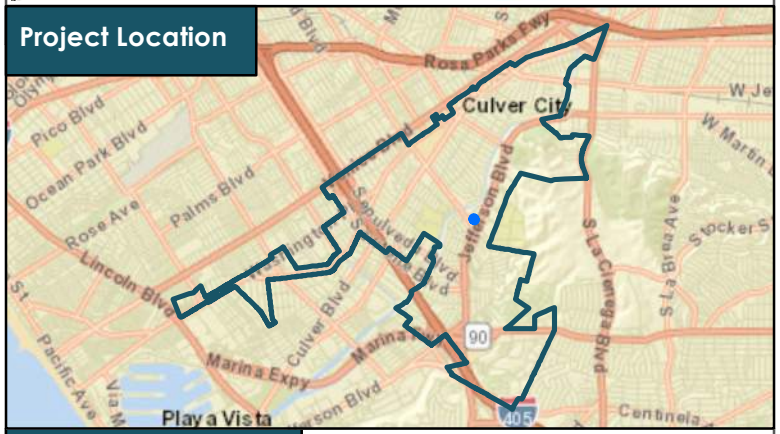


11/5/2020 JN \\Irvlca1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.01
Drainage Area (ac):		0.07
Depth to Groundwater (ft):		36
EWMP Equivalient Volume (ac-ft):		0.01
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

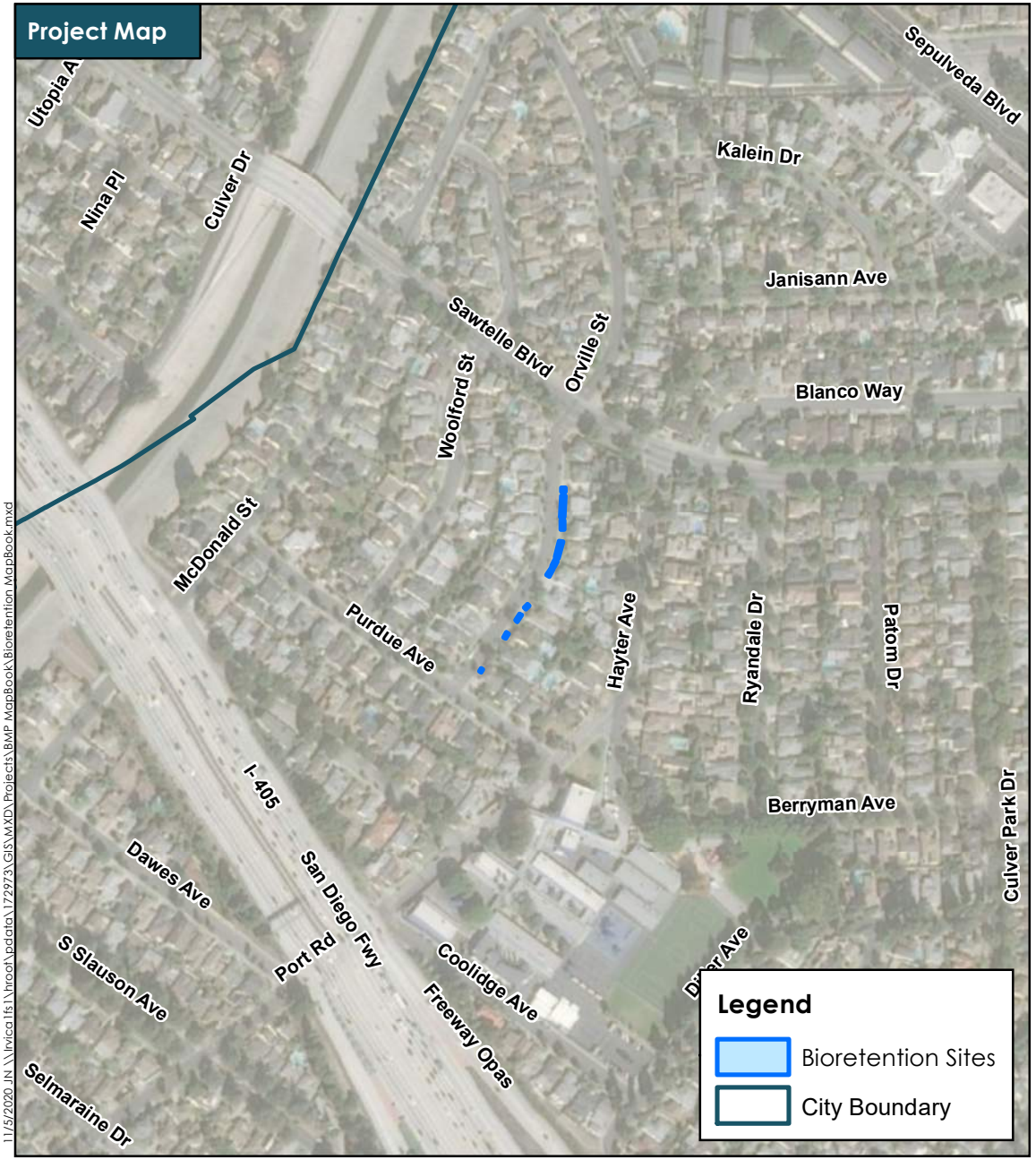
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

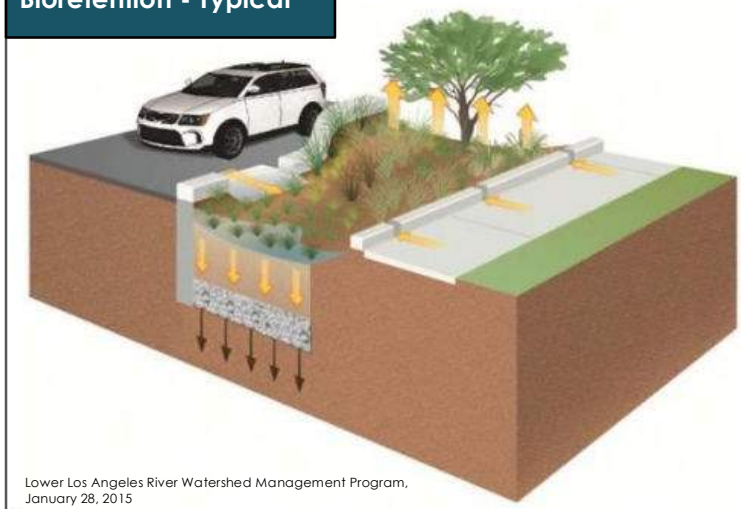
Bioretention Site: BR157

Project Map



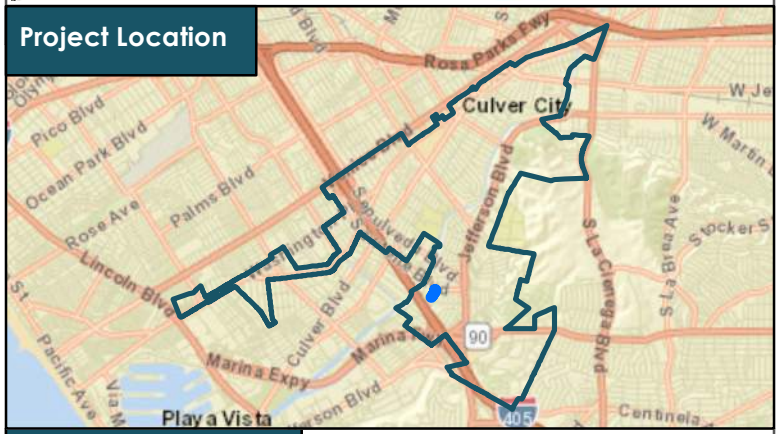
11/5/2020 JN \\Irvicad1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical



Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.05
Drainage Area (ac):		0.65
Depth to Groundwater (ft):		18
EWMP Equivalient Volume (ac-ft):		0.05
Cost Estimate:	$	31,868

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

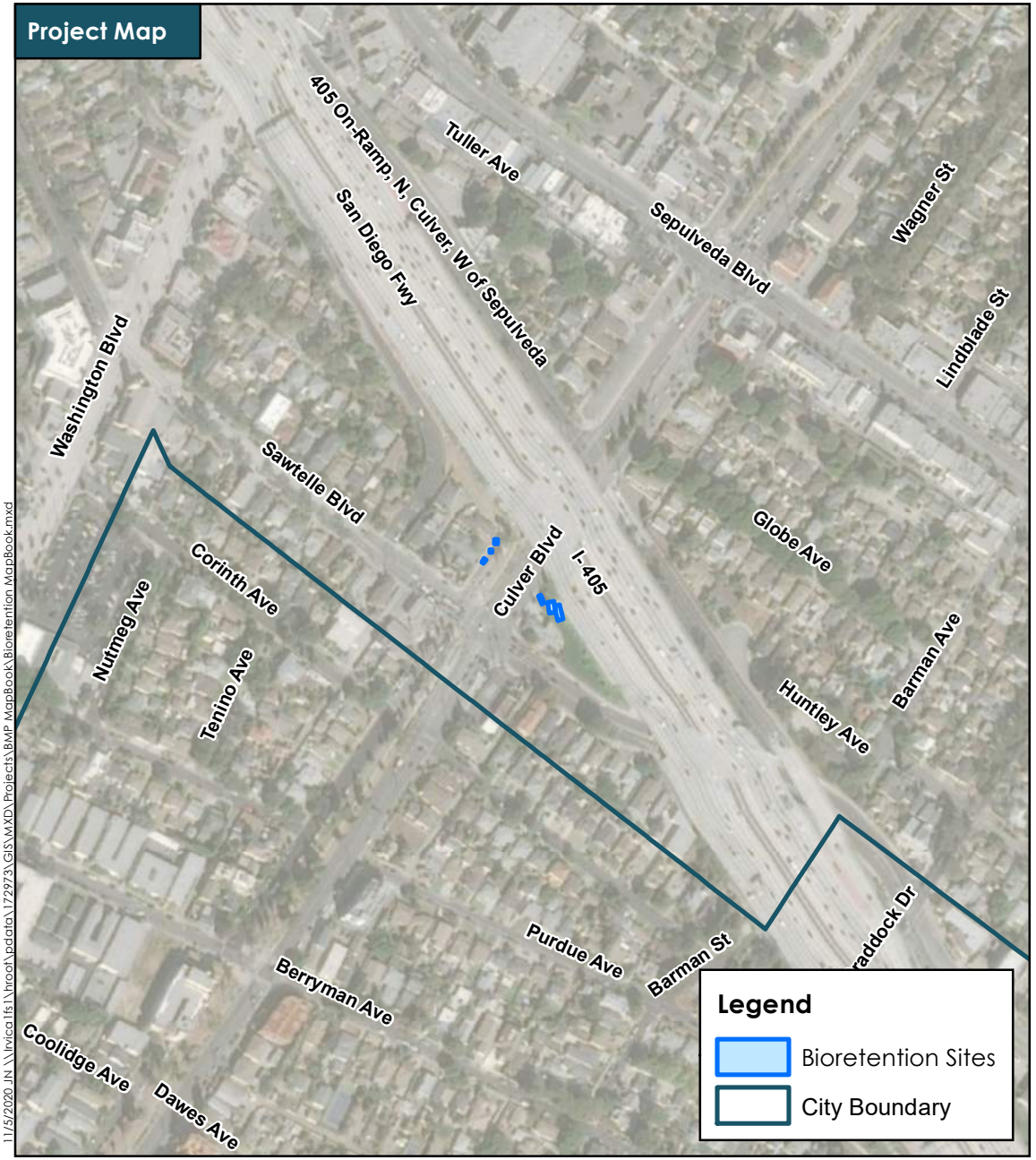
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR158

Project Map



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Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location

Project Information

Storage Capcity (ac-ft):		0.03
Drainage Area (ac):		0.36
Depth to Groundwater (ft):		31
EWMP Equivalient Volume (ac-ft):		0.02
Cost Estimate:	$	17,482

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

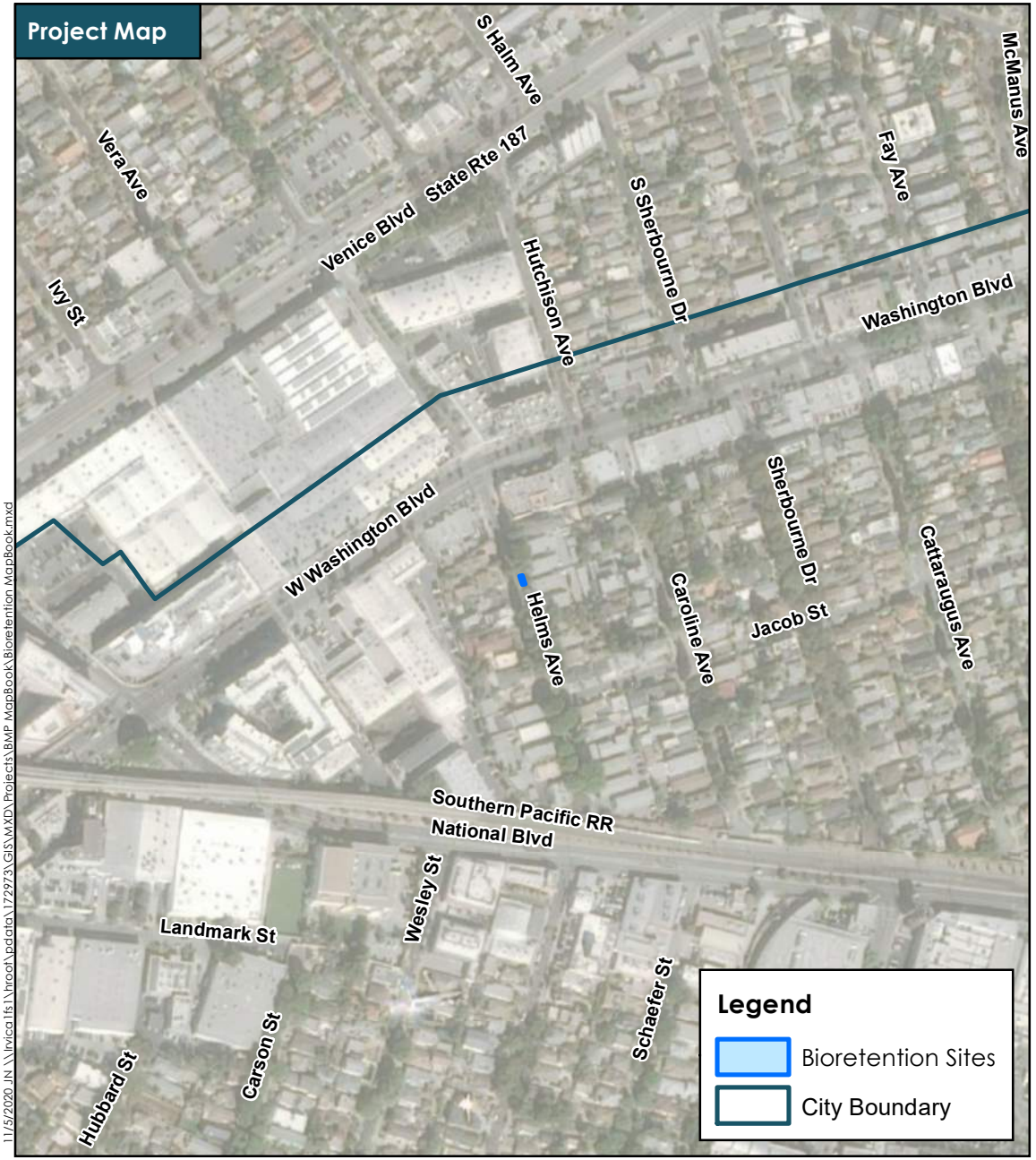
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR159

Project Map

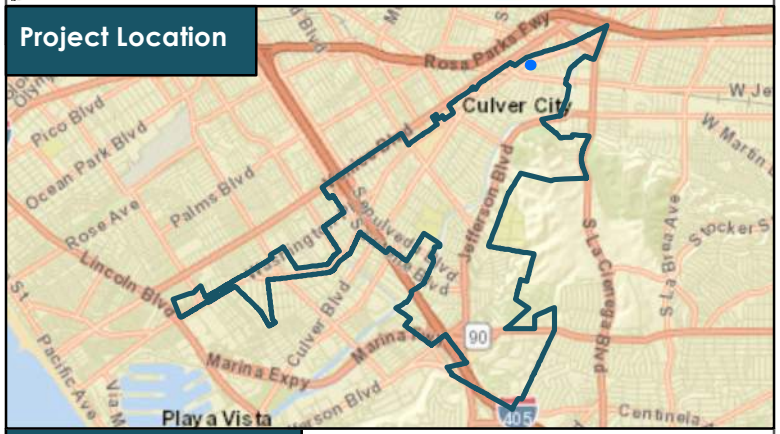


11/5/2020 JN \\Irvlca1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0
Drainage Area (ac):		0.03
Depth to Groundwater (ft):		52
EWMP Equivalient Volume (ac-ft):		0
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

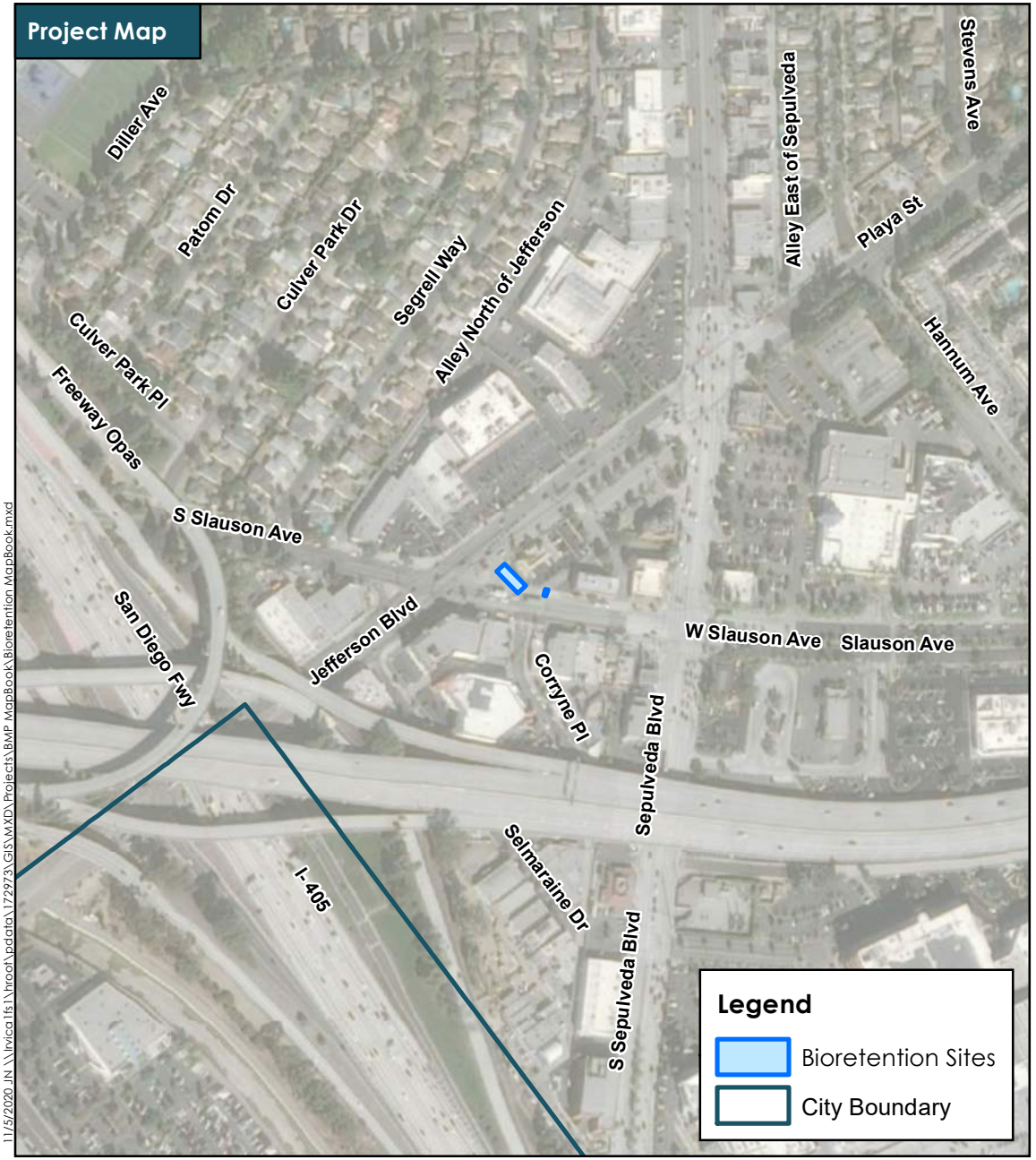
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR160

Project Map



11/5/2020 JN \\Irvlcal1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location

Project Information

Storage Capcity (ac-ft):		0.03
Drainage Area (ac):		0.39
Depth to Groundwater (ft):		14
EWMP Equivalient Volume (ac-ft):		0.03
Cost Estimate:	$	18,994

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

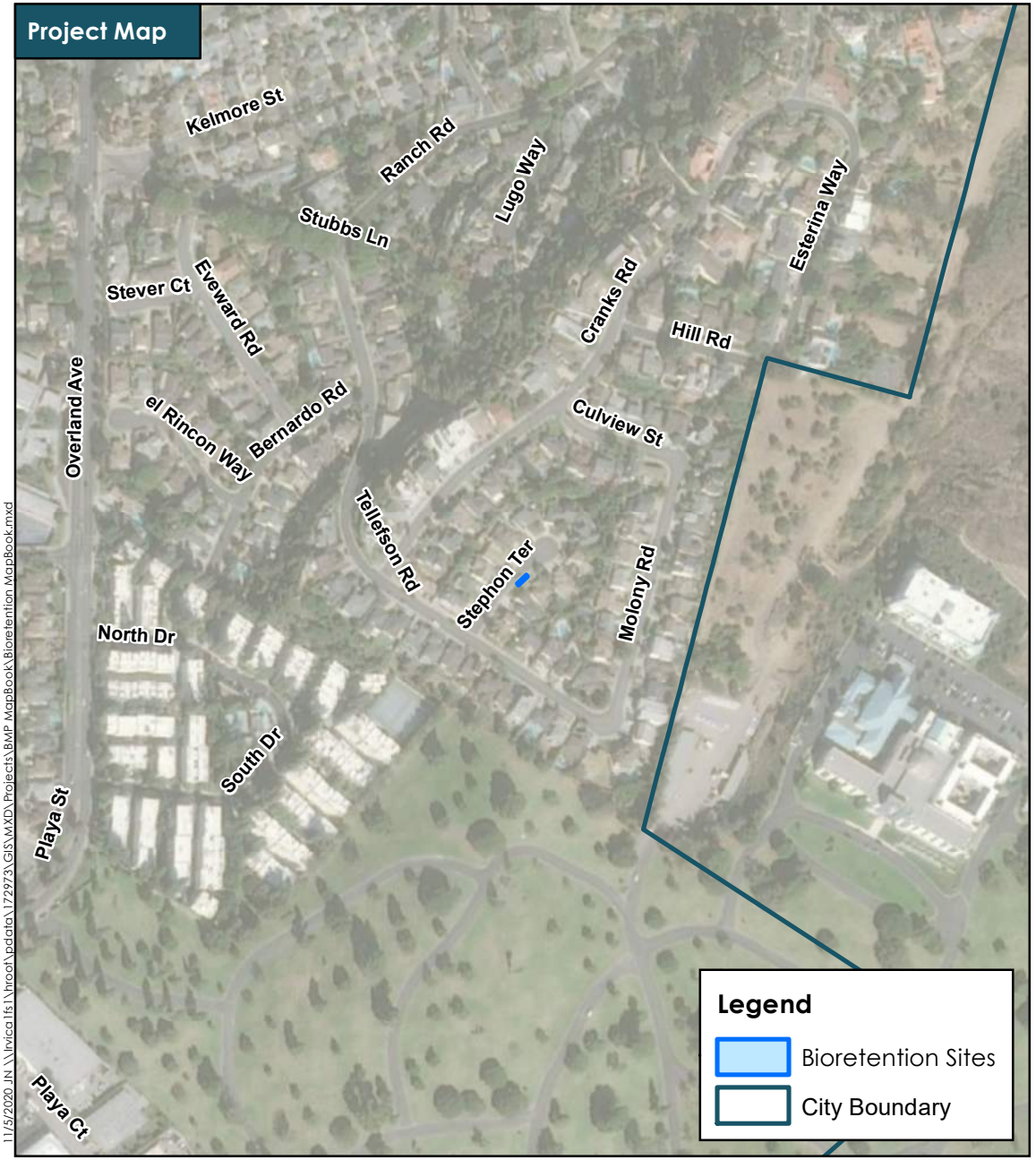
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR161

Project Map

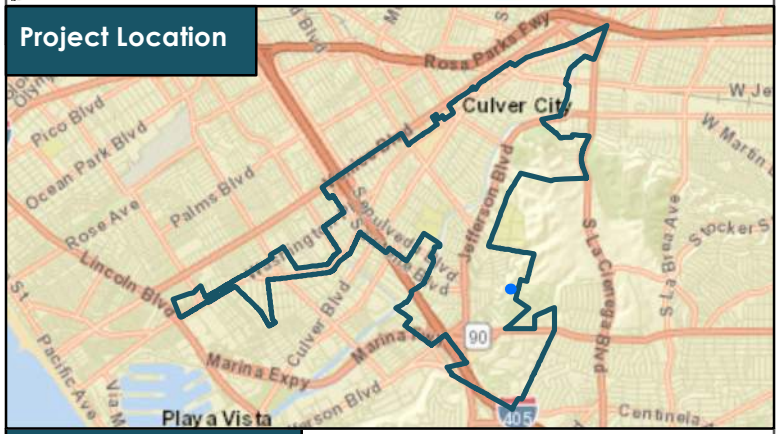


11/5/2020 JN \\Irvlcal1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0
Drainage Area (ac):		0.04
Depth to Groundwater (ft):		133
EWMP Equivalient Volume (ac-ft):		0
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR162

Project Map

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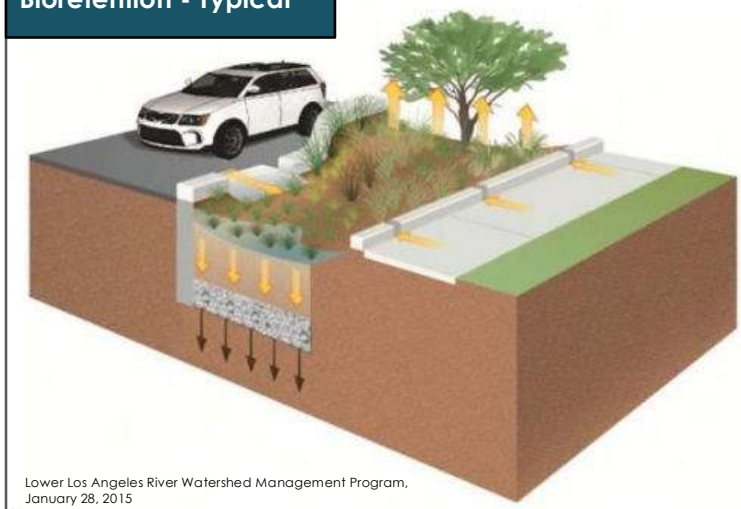
Bioretention - Typical



Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location

Project Information

Storage Capcity (ac-ft):		0
Drainage Area (ac):		0.01
Depth to Groundwater (ft):		92
EWMP Equivalient Volume (ac-ft):		0
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

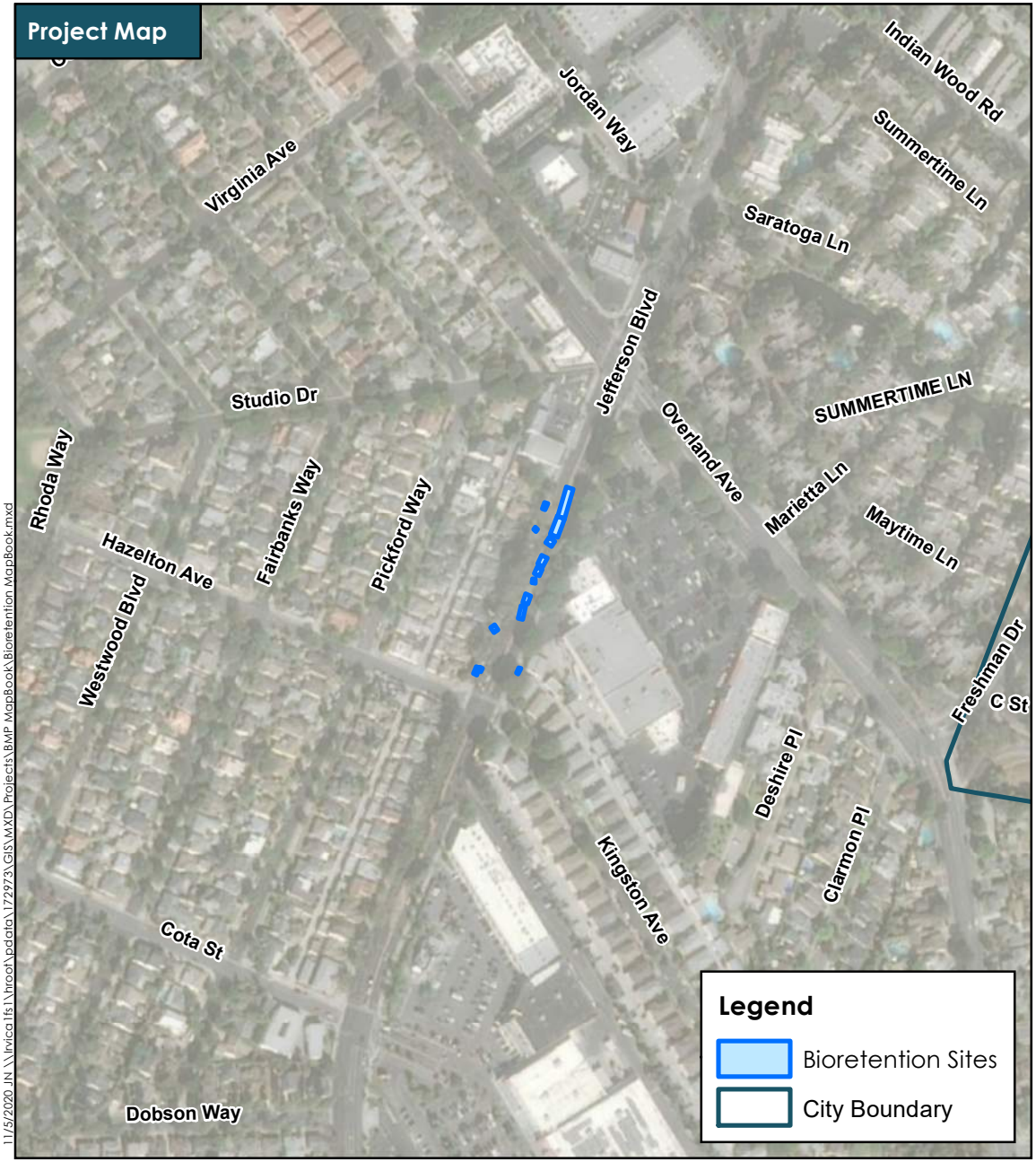
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR163

Project Map



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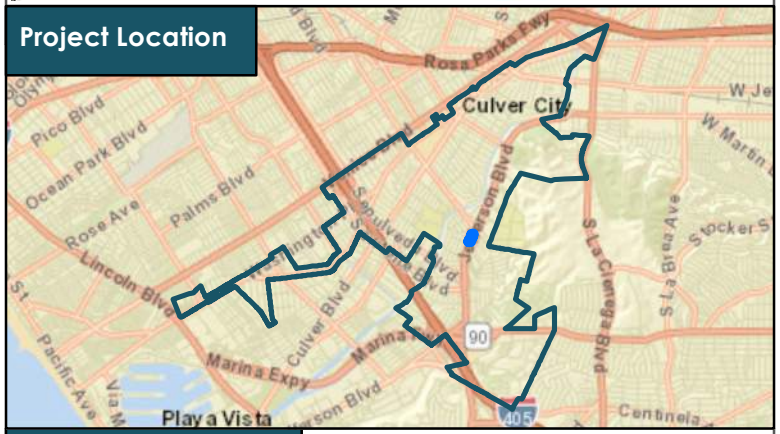
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.11
Drainage Area (ac):		1.32
Depth to Groundwater (ft):		31
EWMP Equivalient Volume (ac-ft):		0.1
Cost Estimate:	$	64,673

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

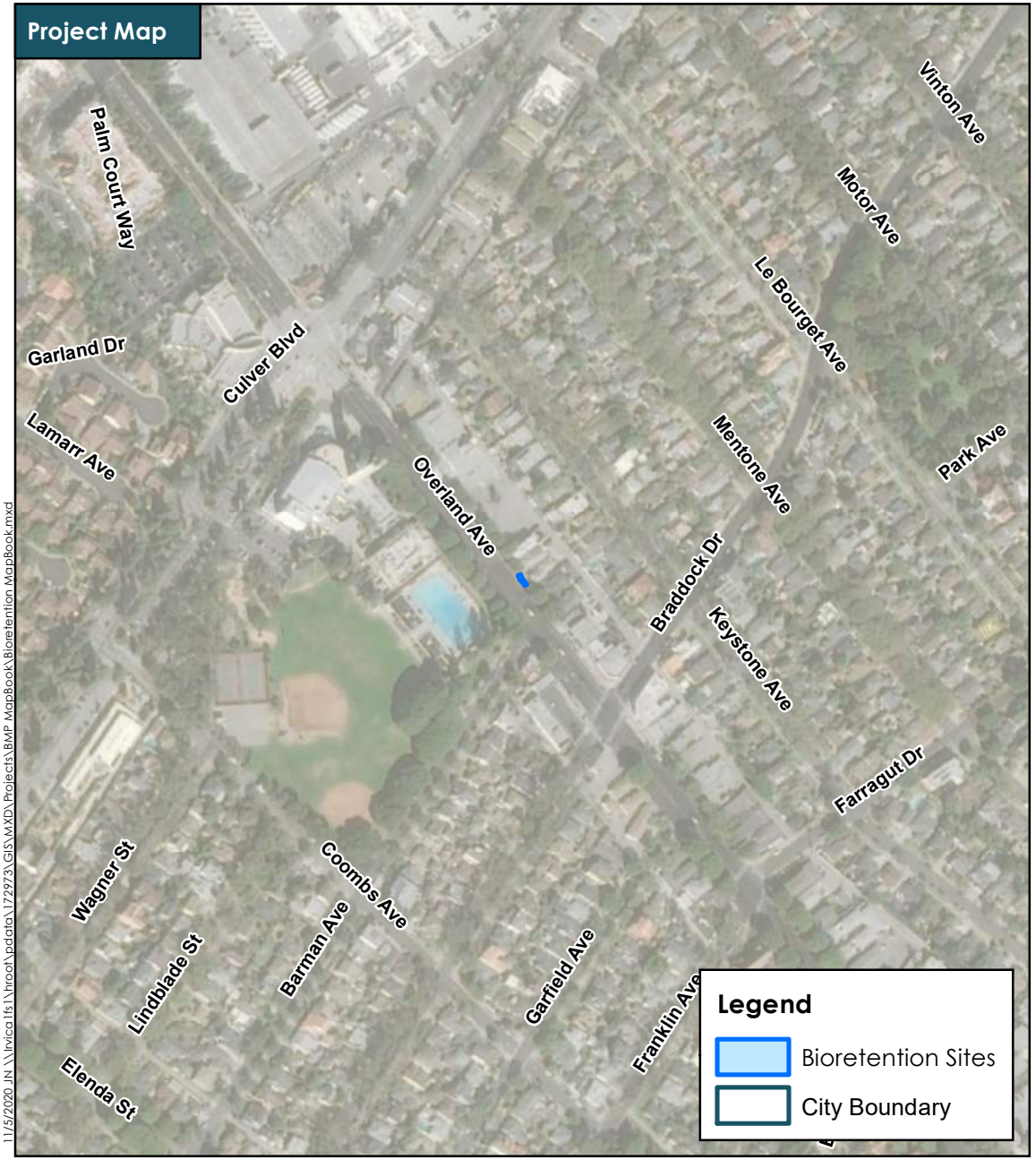
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR164

Project Map

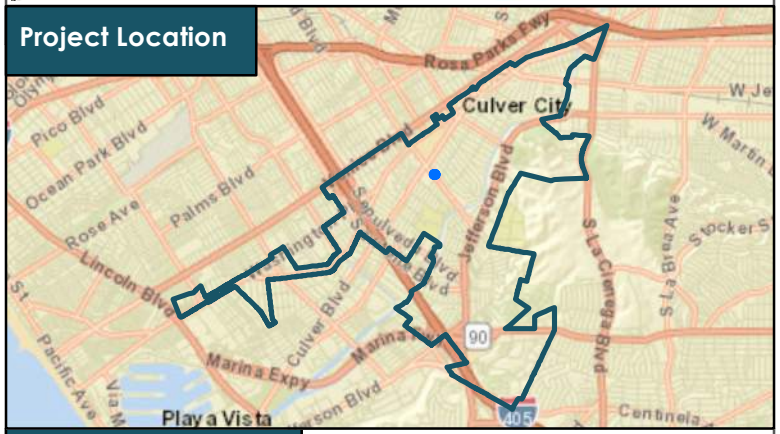


11/5/2020 JN \\Irvlca1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0
Drainage Area (ac):		0.03
Depth to Groundwater (ft):		26
EWMP Equivalient Volume (ac-ft):		0
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

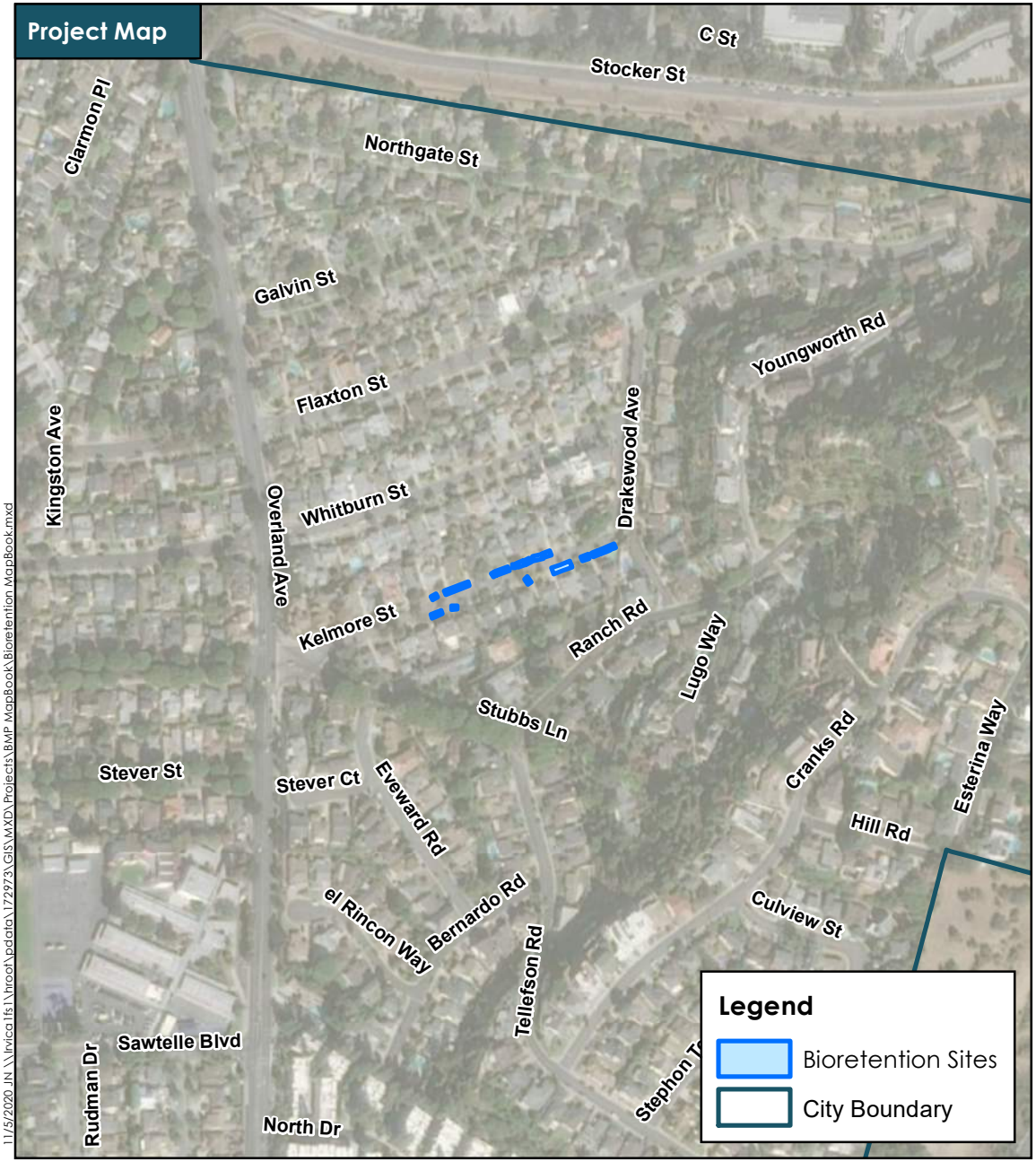
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR165

Project Map



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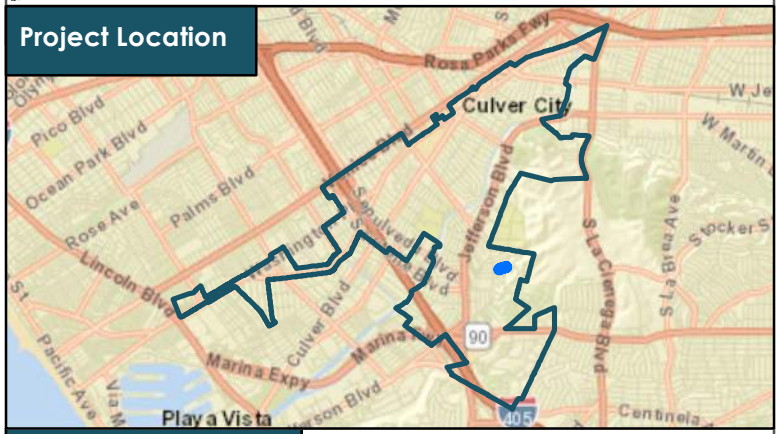
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.13
Drainage Area (ac):		1.58
Depth to Groundwater (ft):		63
EWMP Equivalient Volume (ac-ft):		0.12
Cost Estimate:	$	77,579

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

Michael Baker INTERNATIONAL

BLUE OCEAN CIVIL CONSULTING

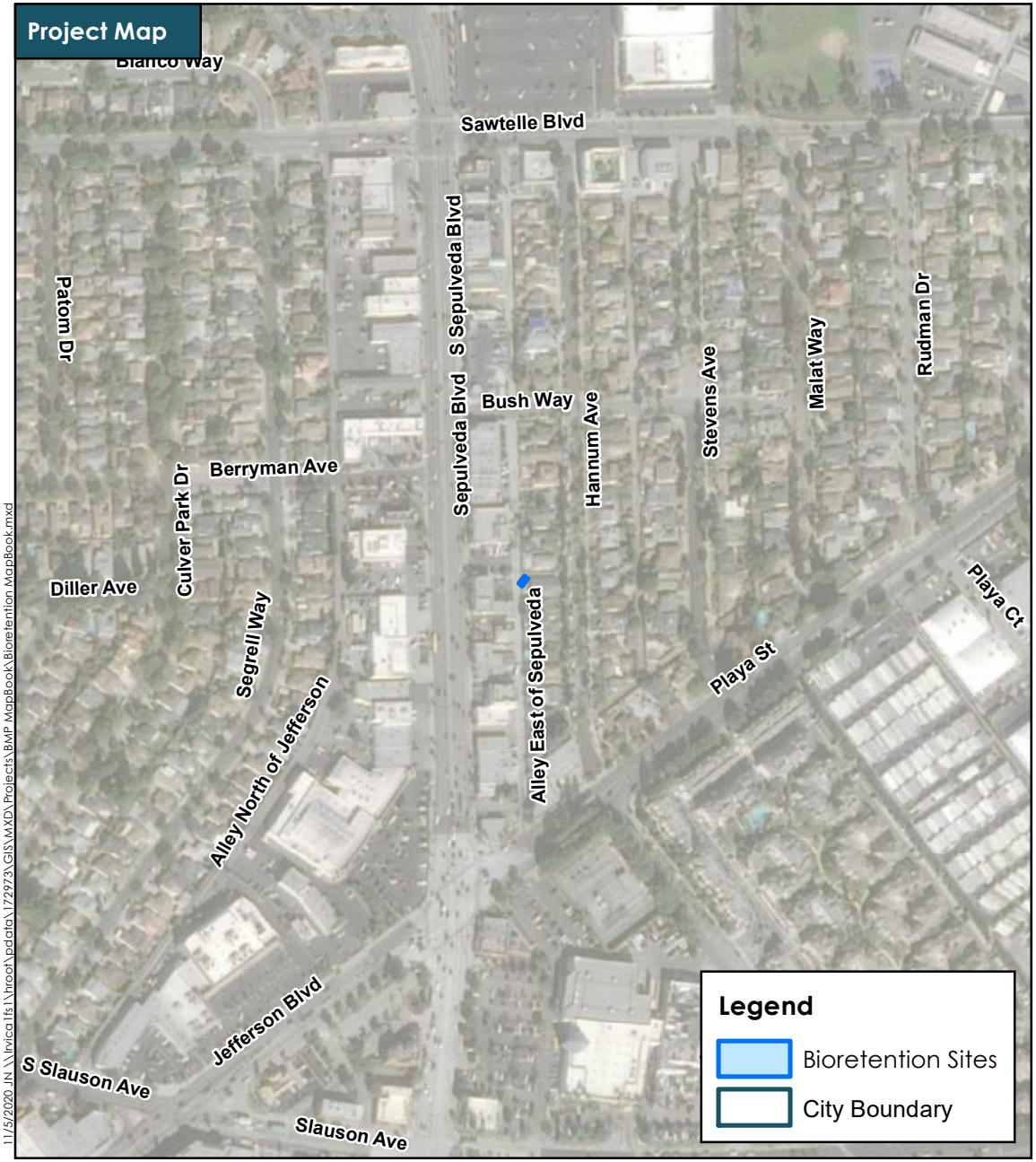
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR166

Project Map

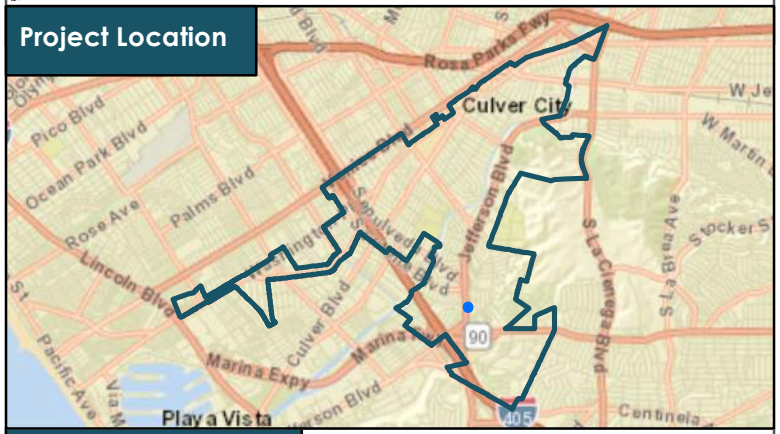


11/5/2020 JN \\Irvlca1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.01
Drainage Area (ac):		0.09
Depth to Groundwater (ft):		17
EWMP Equivalient Volume (ac-ft):		0.01
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR167

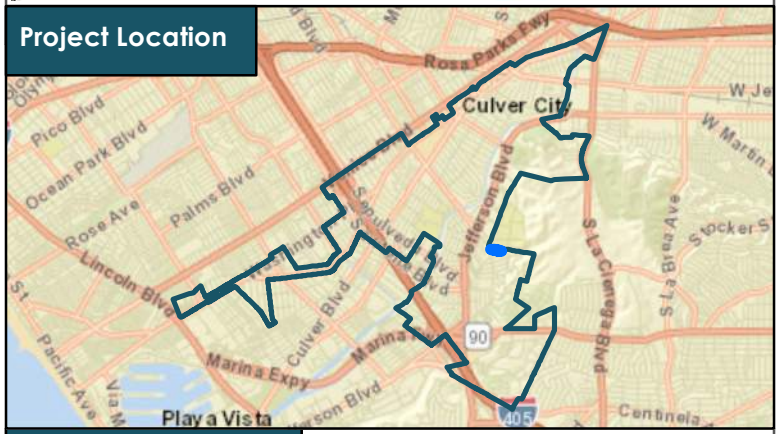
Project Map

11/5/2020 JN \\Irvlcal1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.13
Drainage Area (ac):		1.59
Depth to Groundwater (ft):		58
EWMP Equivalient Volume (ac-ft):		0.12
Cost Estimate:	$	77,710

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR168

Project Map

11/5/2020 JN \\Irvlcal1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location

Project Information

Storage Capcity (ac-ft):		0.17
Drainage Area (ac):		2.06
Depth to Groundwater (ft):		38
EWMP Equivalient Volume (ac-ft):		0.09
Cost Estimate:	$	101,217

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

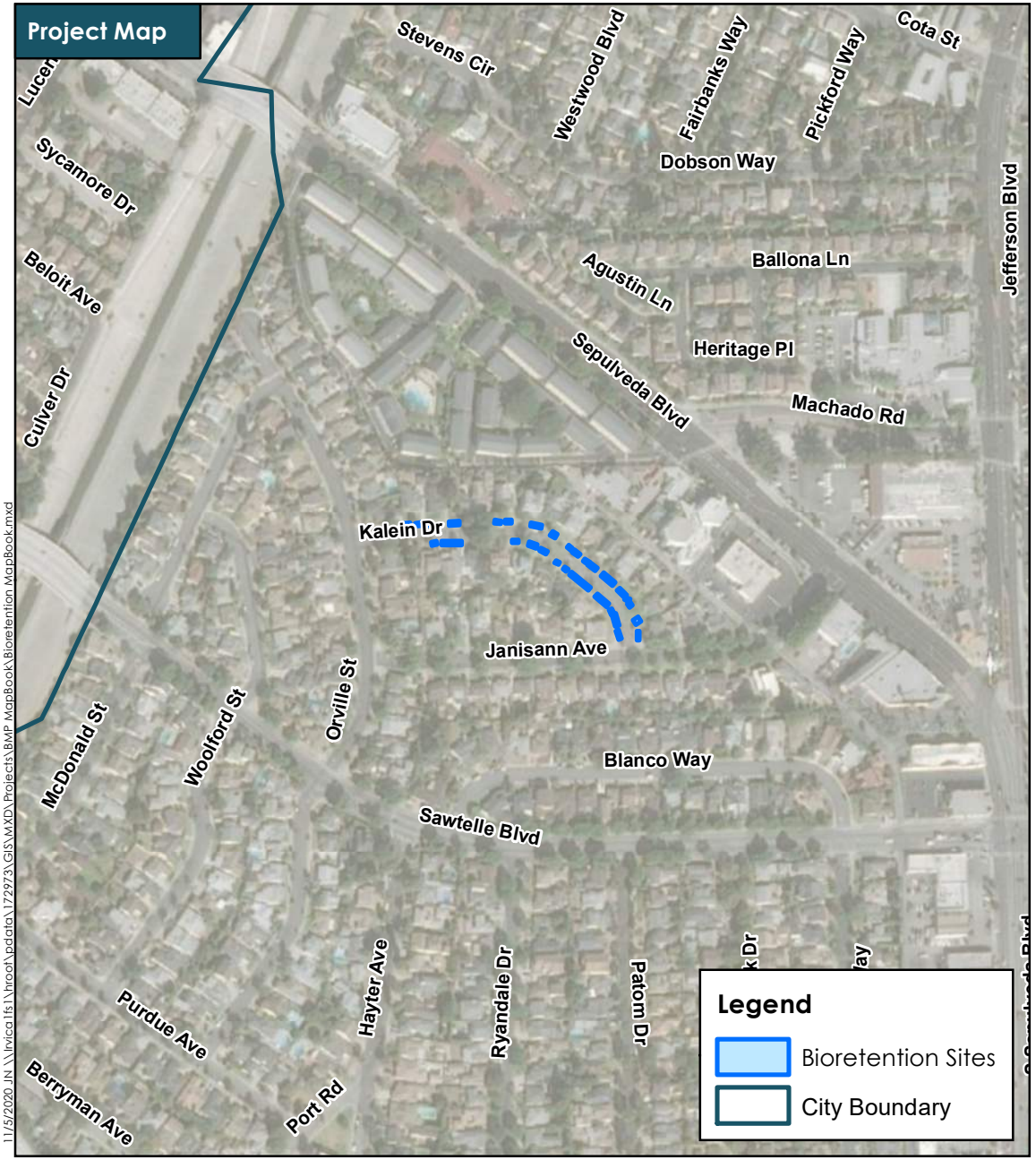
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR169

Project Map



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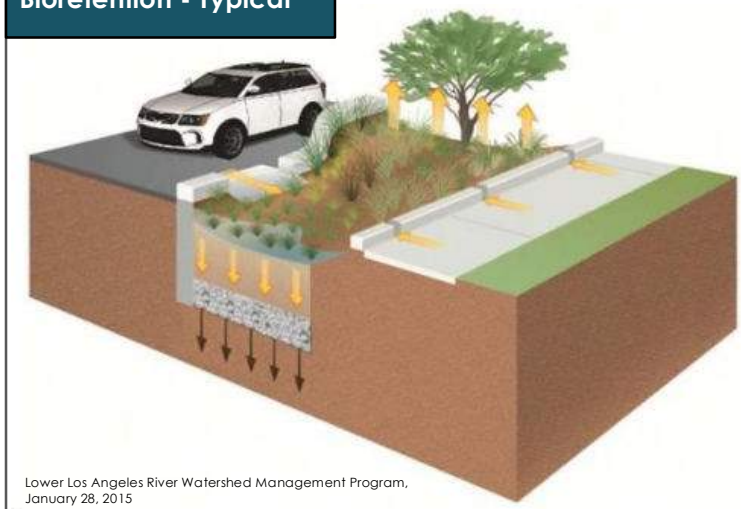
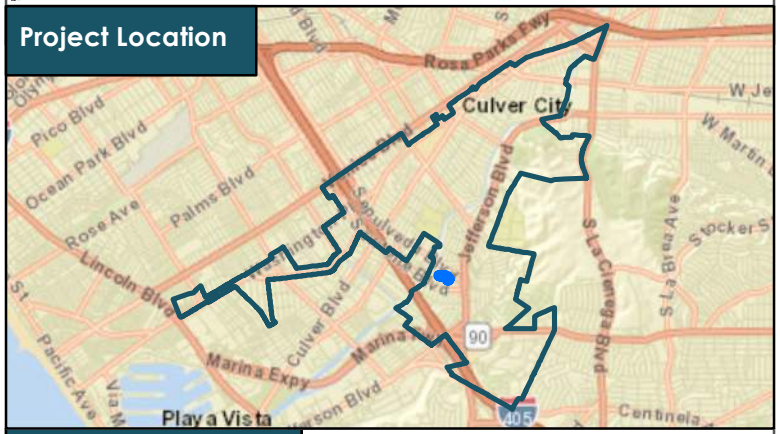
Bioretention - Typical



Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.19
Drainage Area (ac):		2.28
Depth to Groundwater (ft):		19
EWMP Equivalient Volume (ac-ft):		0.17
Cost Estimate:	$	111,691

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

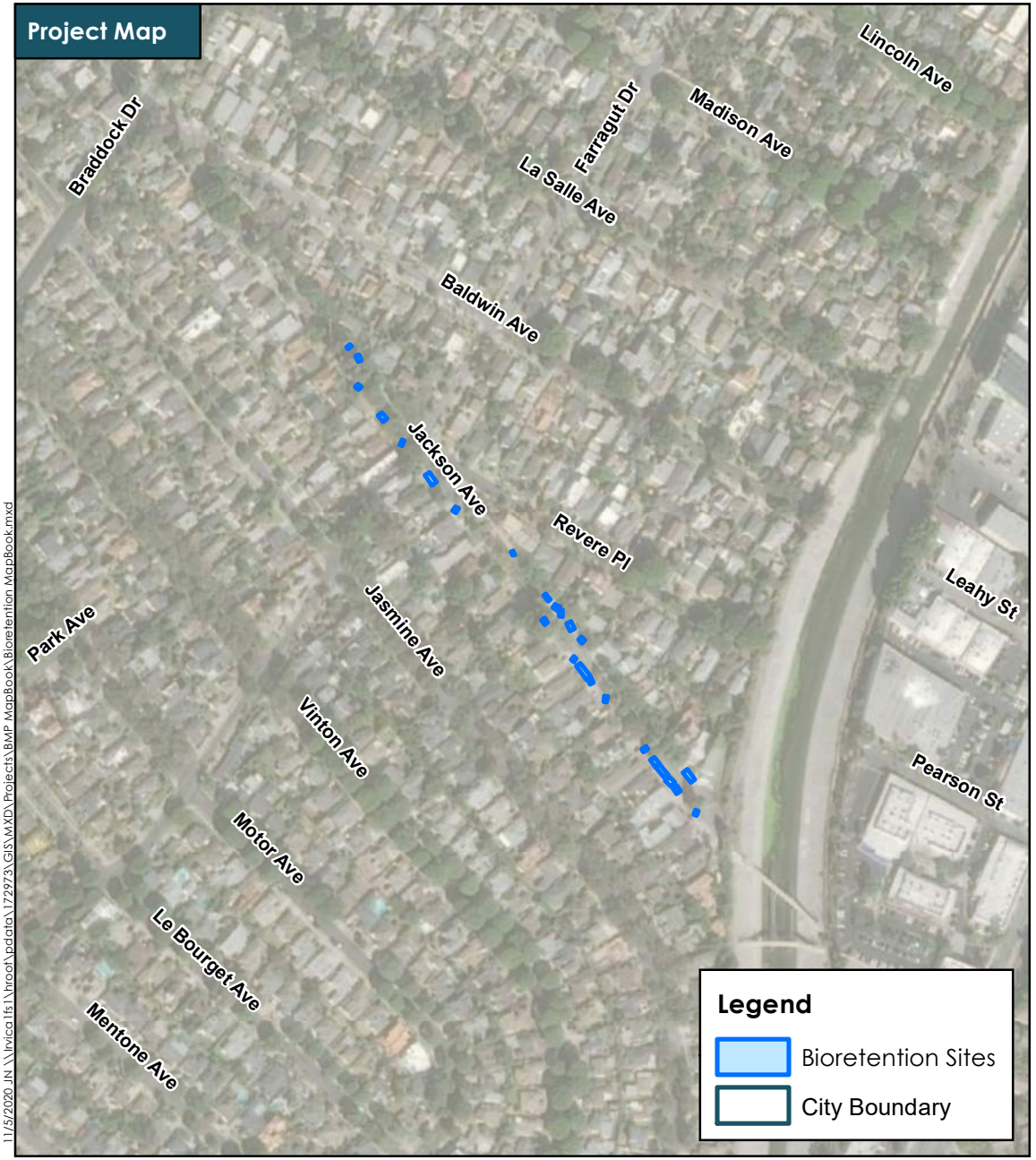
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR170

Project Map

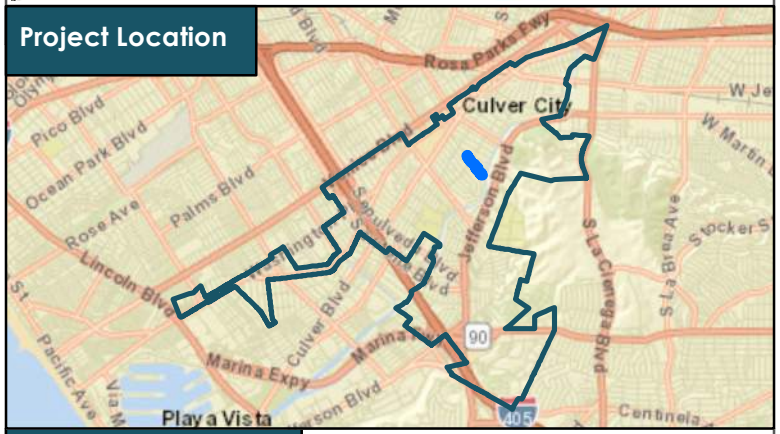


11/5/2020 JN \\Irvlca1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.13
Drainage Area (ac):		1.54
Depth to Groundwater (ft):		29
EWMP Equivalient Volume (ac-ft):		0.05
Cost Estimate:	$	75,720

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

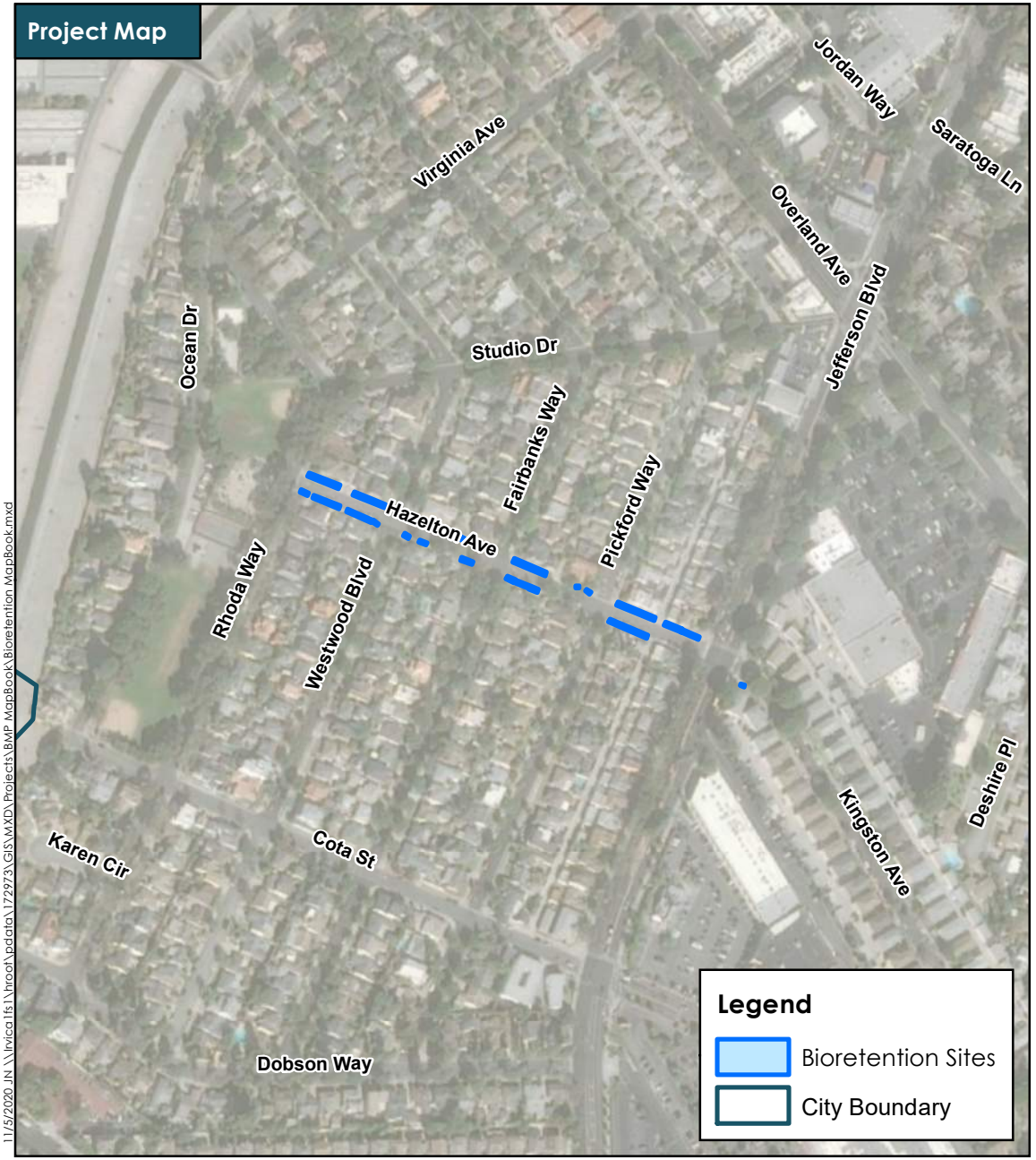
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR171

Project Map



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Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location

Project Information

Storage Capcity (ac-ft):		0.27
Drainage Area (ac):		3.25
Depth to Groundwater (ft):		28
EWMP Equivalient Volume (ac-ft):		0.24
Cost Estimate:	$	159,331

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

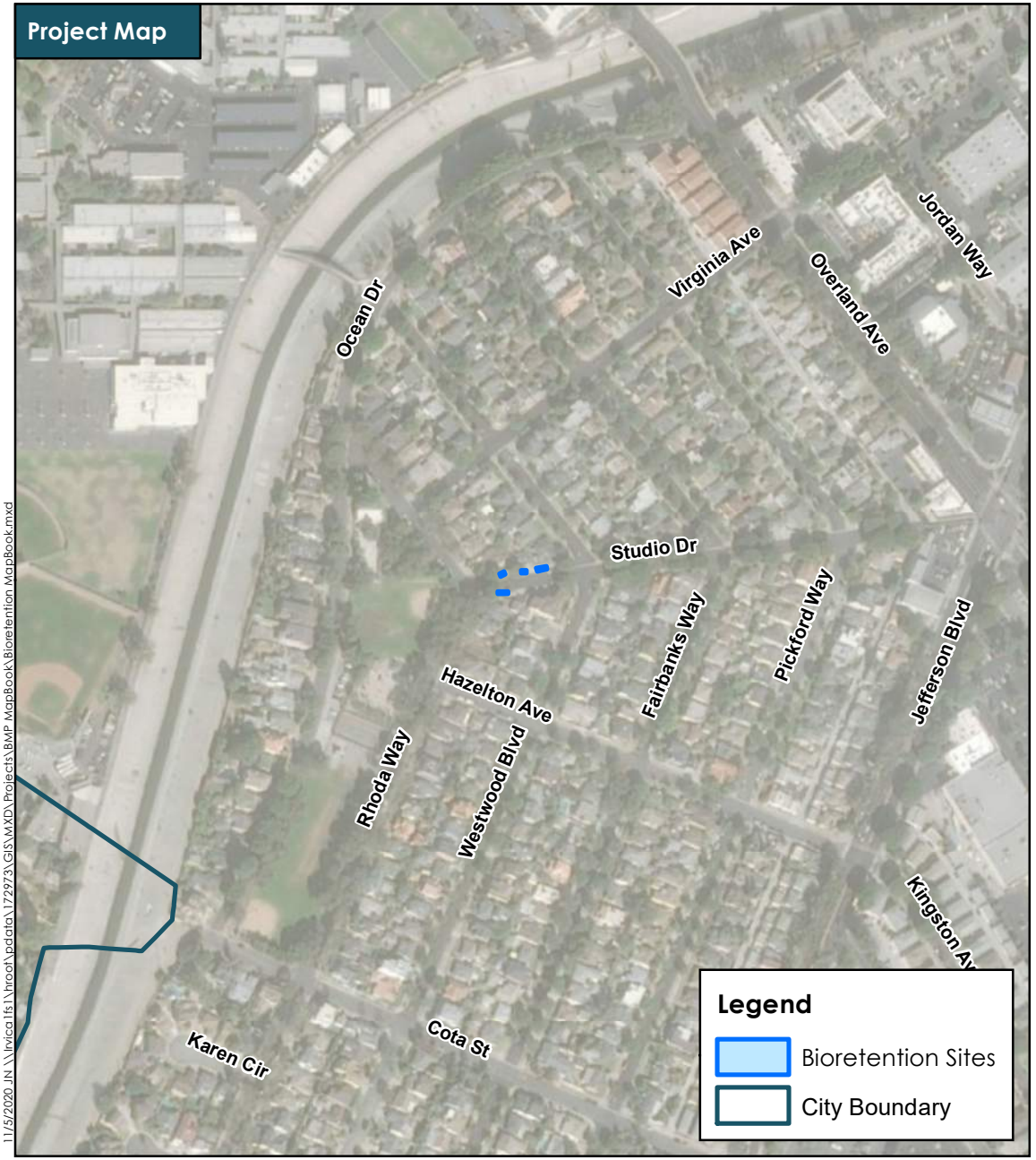
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR172

Project Map



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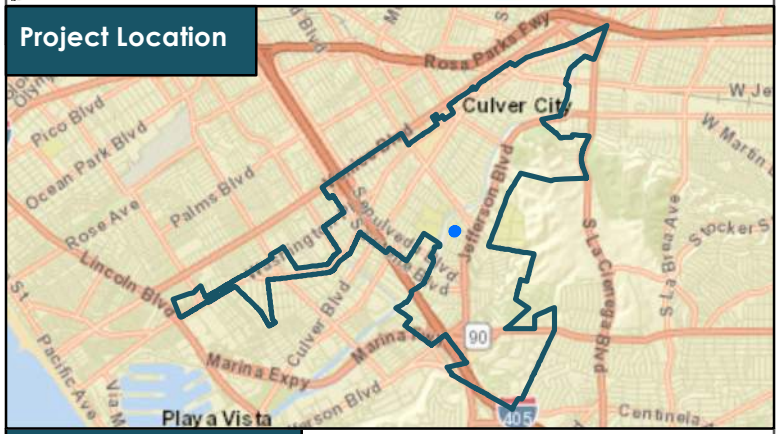
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.01
Drainage Area (ac):		0.11
Depth to Groundwater (ft):		29
EWMP Equivalient Volume (ac-ft):		0.01
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

Michael Baker INTERNATIONAL

BLUE OCEAN CIVIL CONSULTING

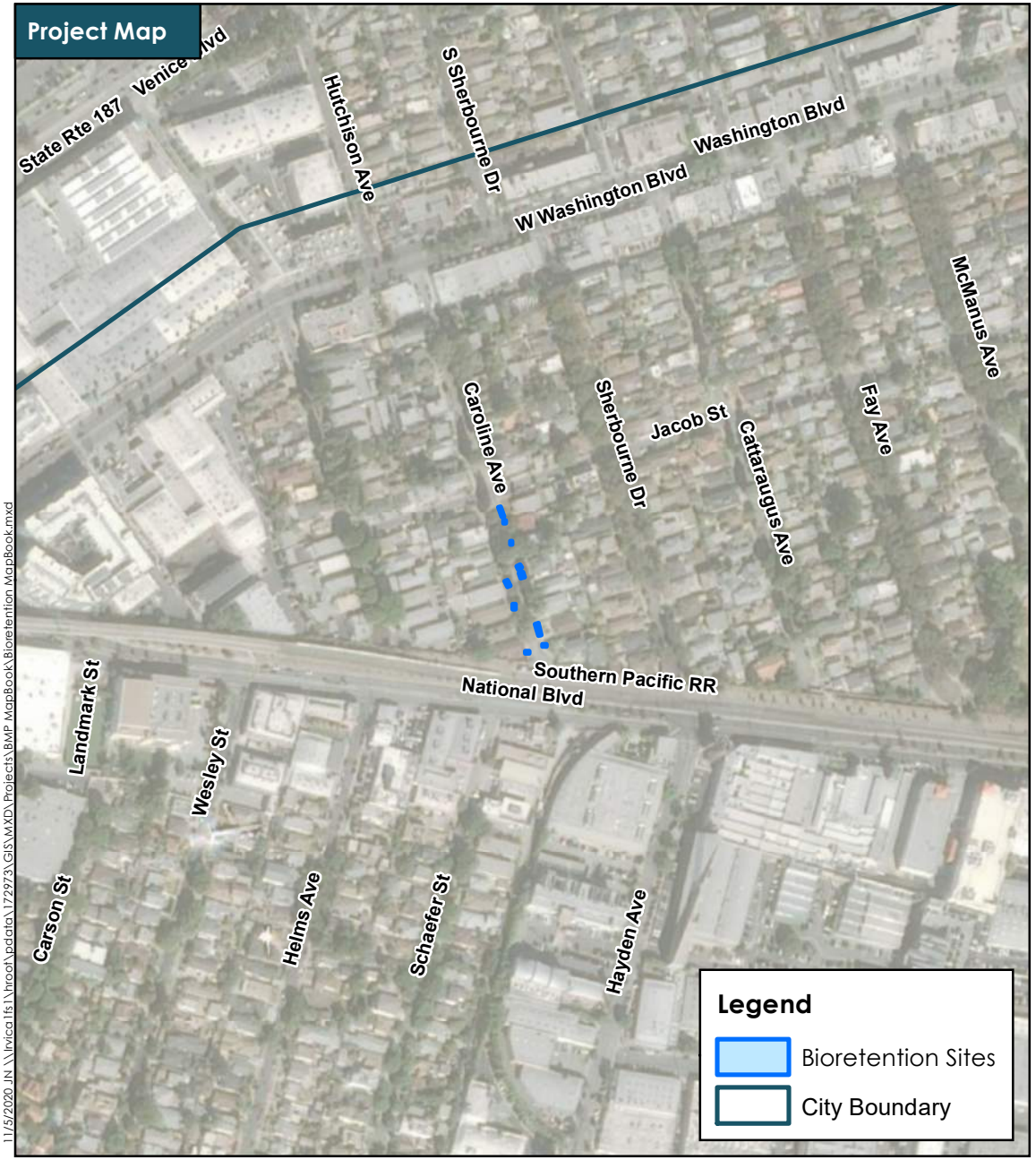
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR173

Project Map

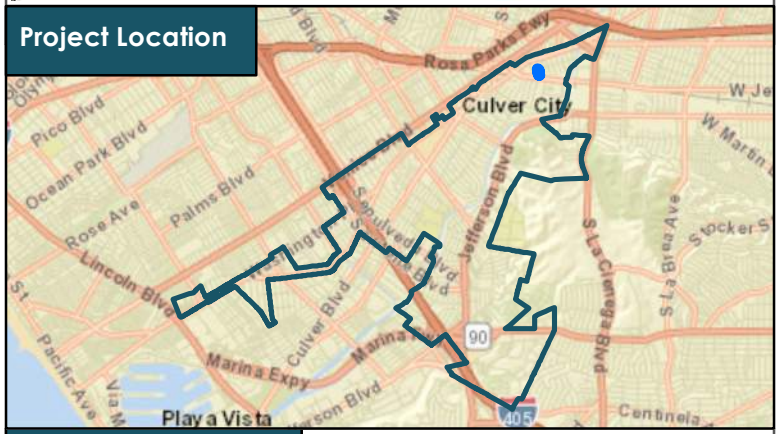


11/5/2020 JN \\Irvlcal1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.02
Drainage Area (ac):		0.3
Depth to Groundwater (ft):		34
EWMP Equivalient Volume (ac-ft):		0.01
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

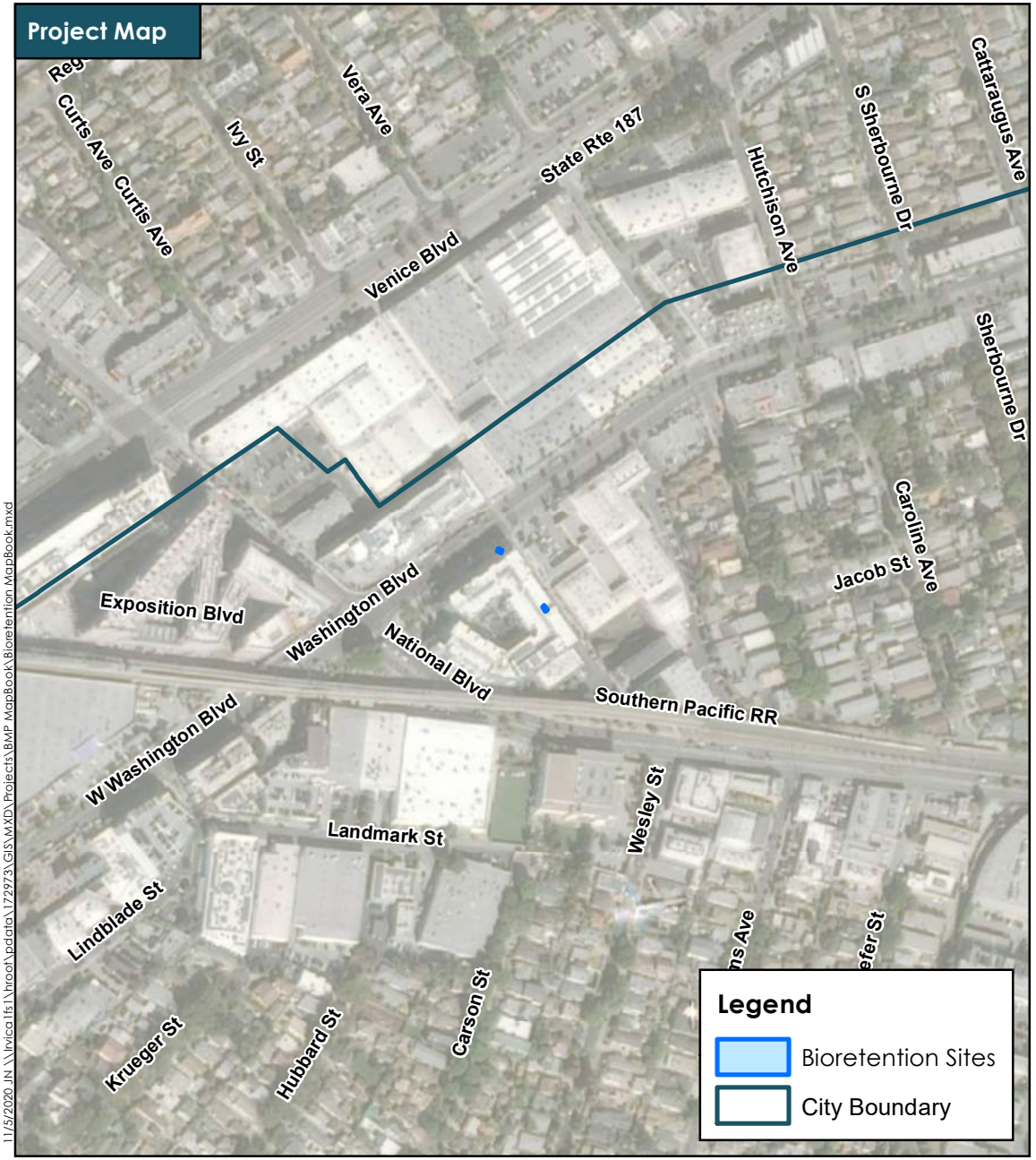
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR174

Project Map

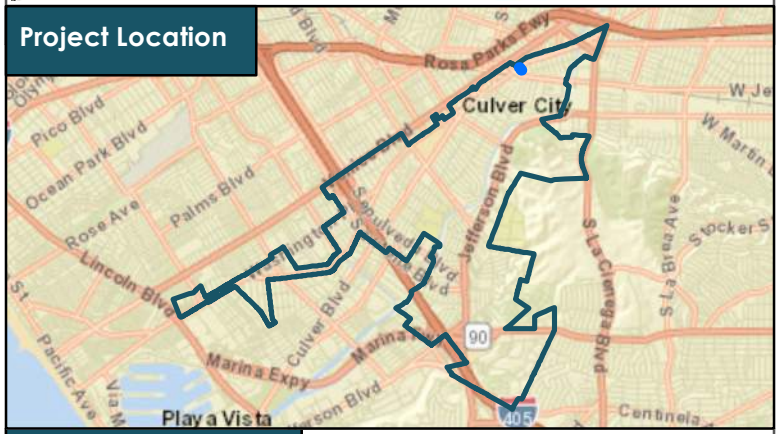


11/5/2020 JN \\Irvlcal1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0
Drainage Area (ac):		0.03
Depth to Groundwater (ft):		53
EWMP Equivalient Volume (ac-ft):		0
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

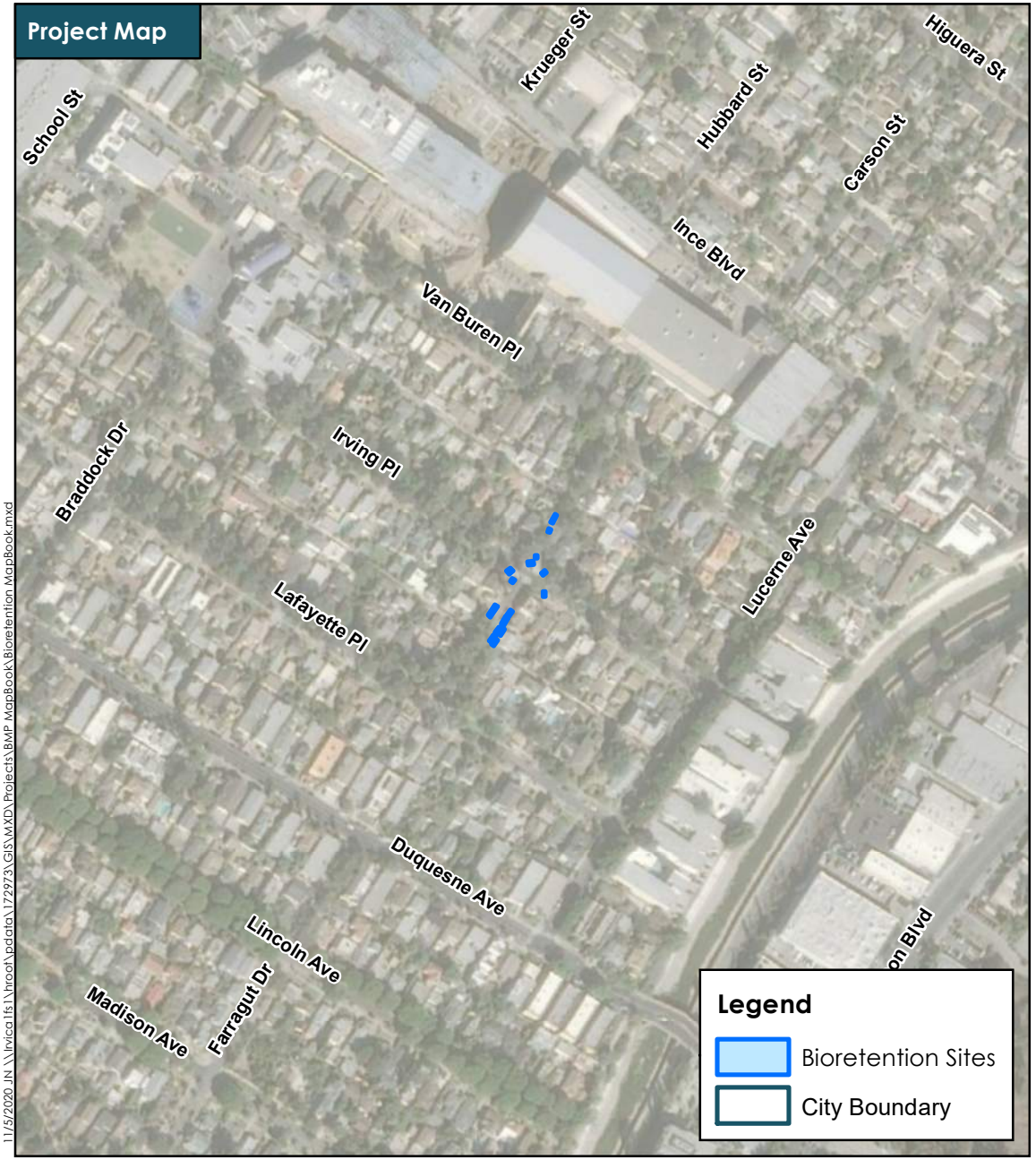
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR175

Project Map



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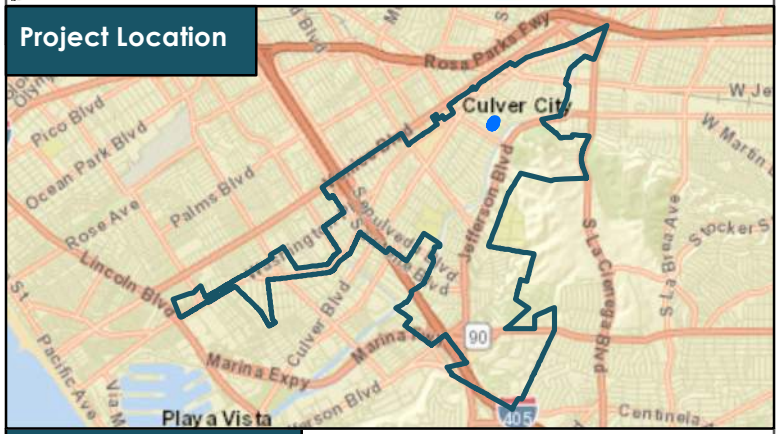
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.03
Drainage Area (ac):		0.42
Depth to Groundwater (ft):		33
EWMP Equivalient Volume (ac-ft):		0.02
Cost Estimate:	$	20,467

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

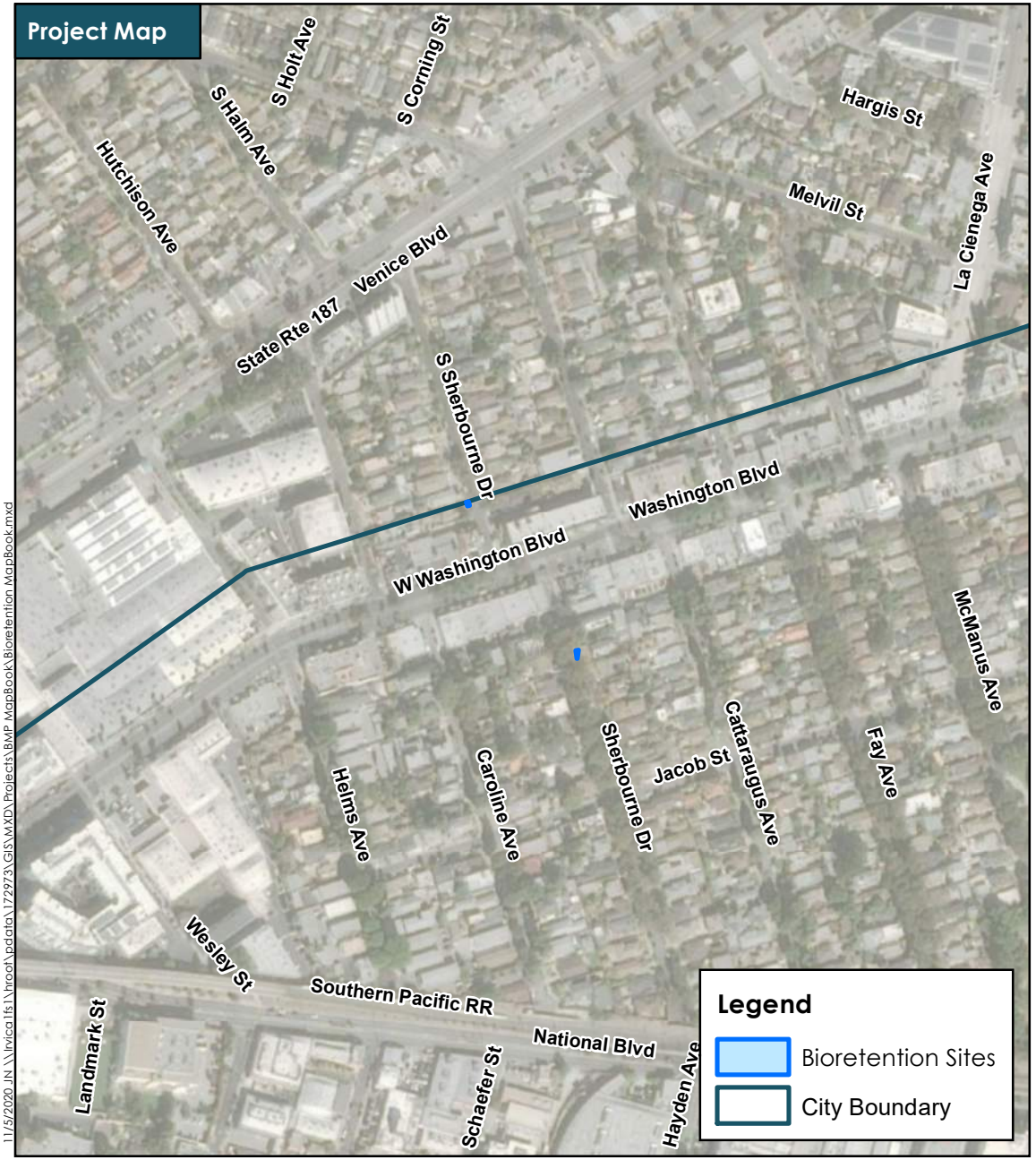
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR176

Project Map



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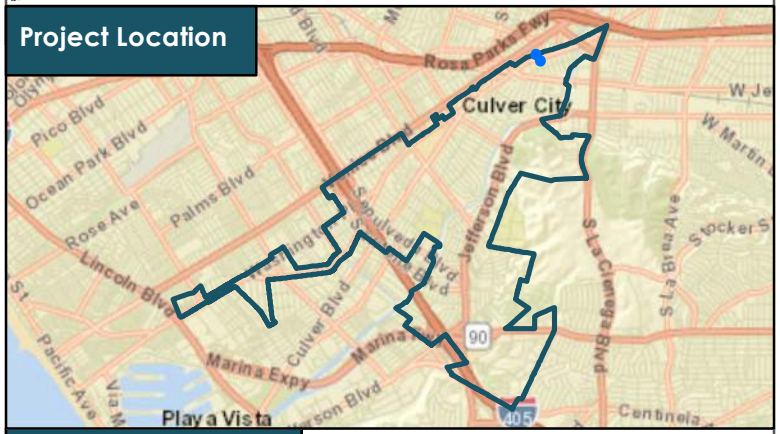
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0
Drainage Area (ac):		0.05
Depth to Groundwater (ft):		43
EWMP Equivalient Volume (ac-ft):		0
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

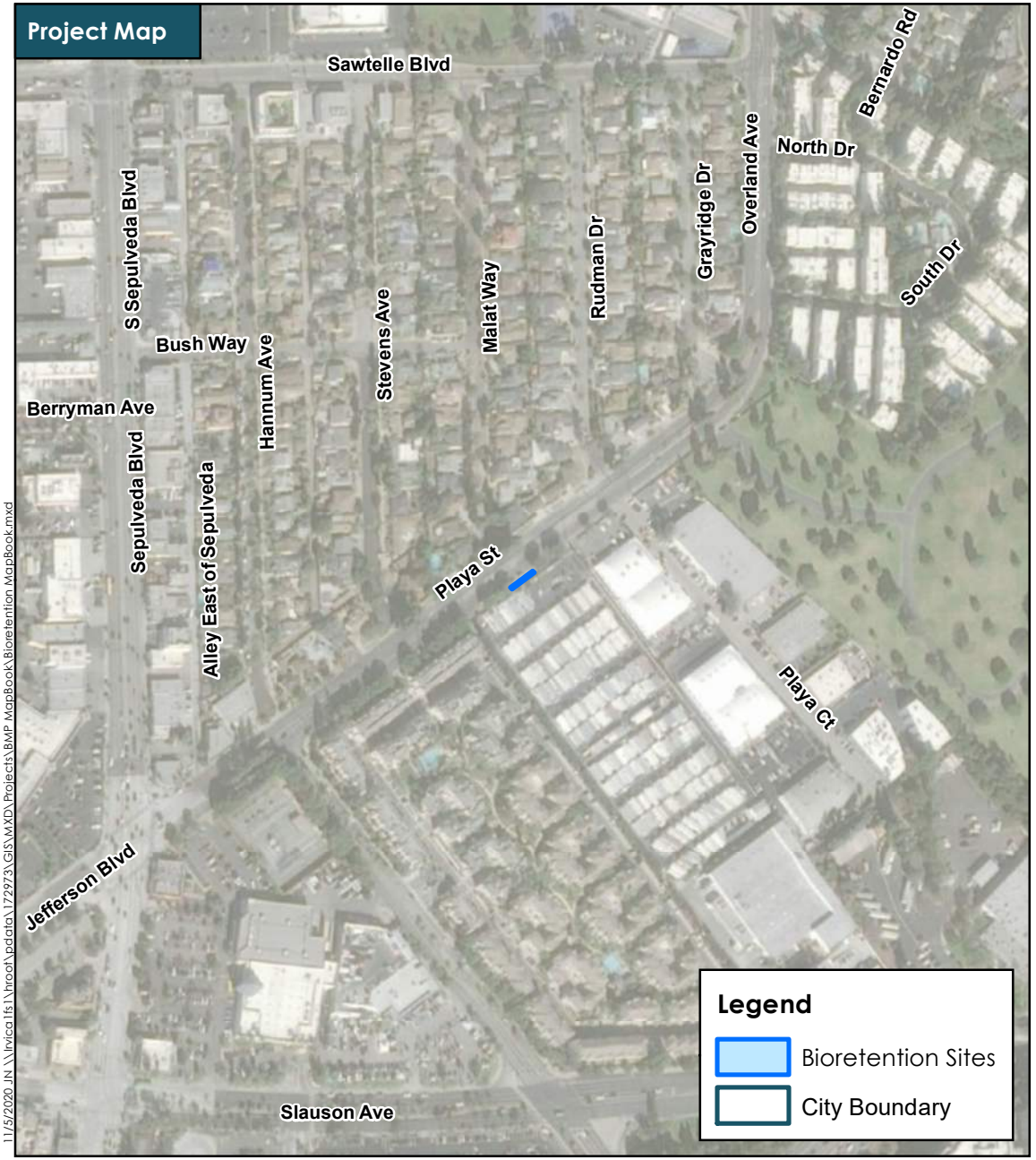
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

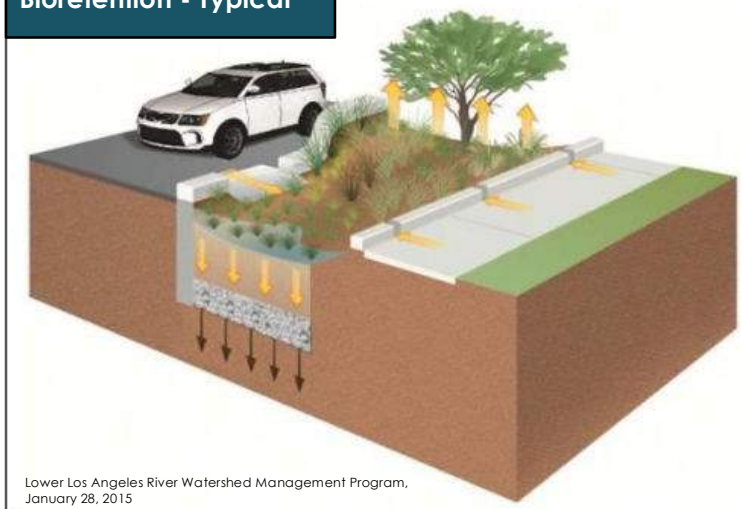
Bioretention Site: BR177

Project Map



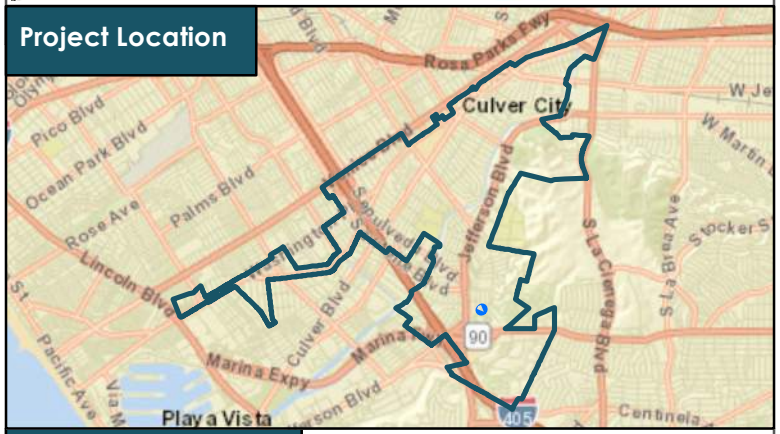
11/5/2020 JN \\Irvfcal1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical



Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.01
Drainage Area (ac):		0.09
Depth to Groundwater (ft):		18
EWMP Equivalient Volume (ac-ft):		0.01
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

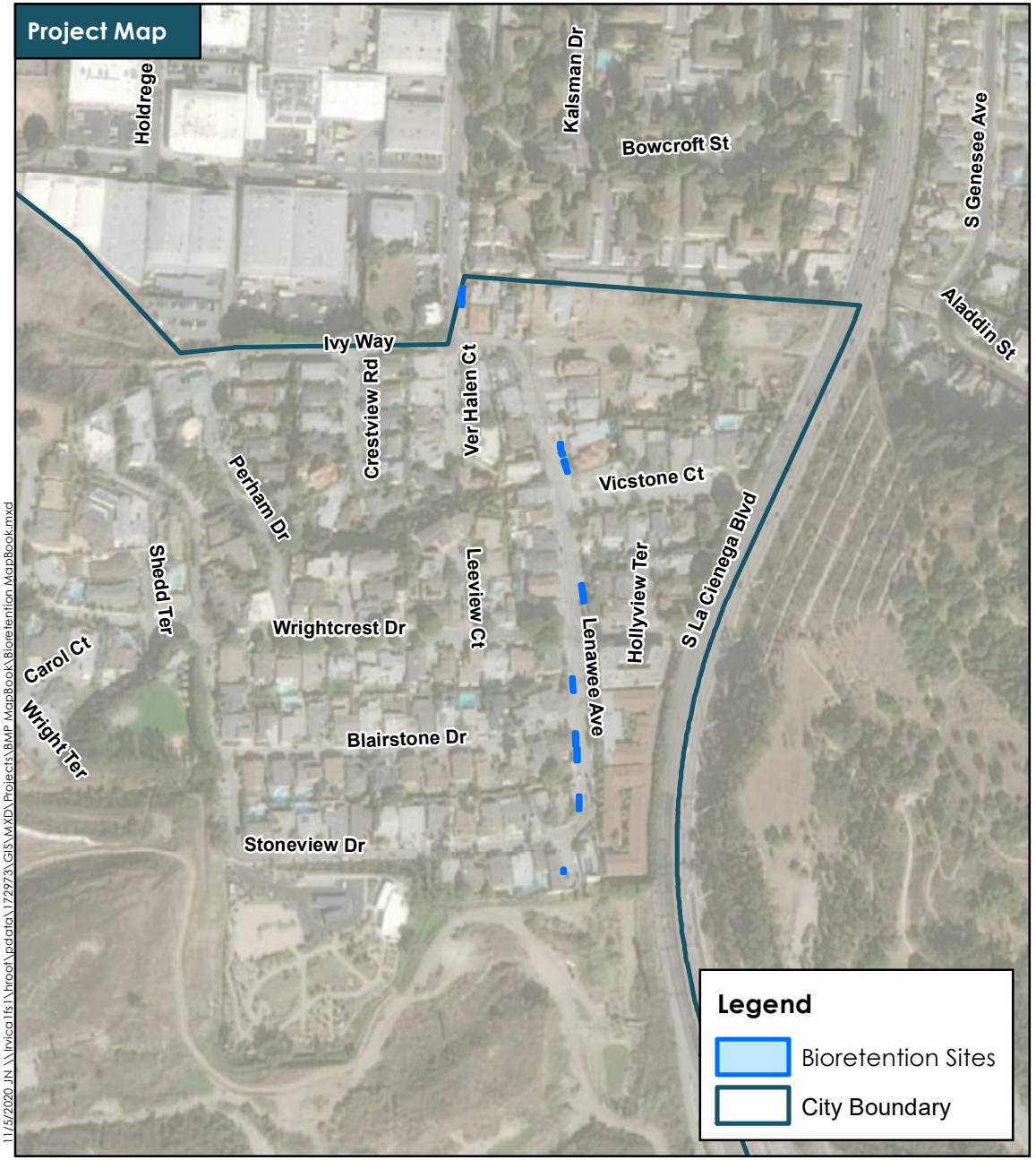
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR178

Project Map



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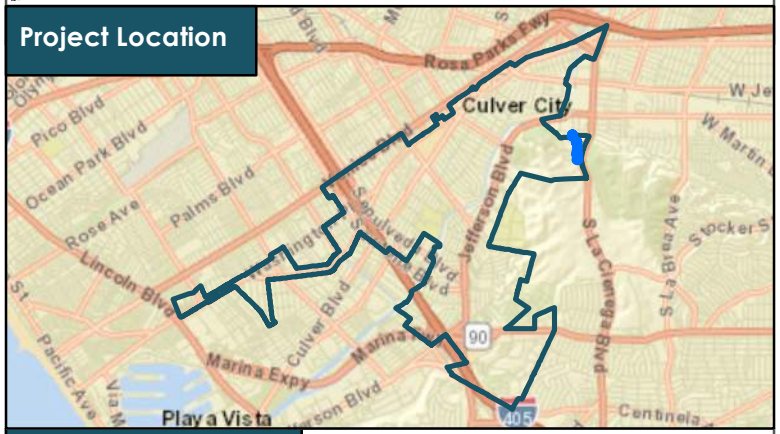
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.05
Drainage Area (ac):		0.64
Depth to Groundwater (ft):		73
EWMP Equivalient Volume (ac-ft):		0.05
Cost Estimate:	$	31,203

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

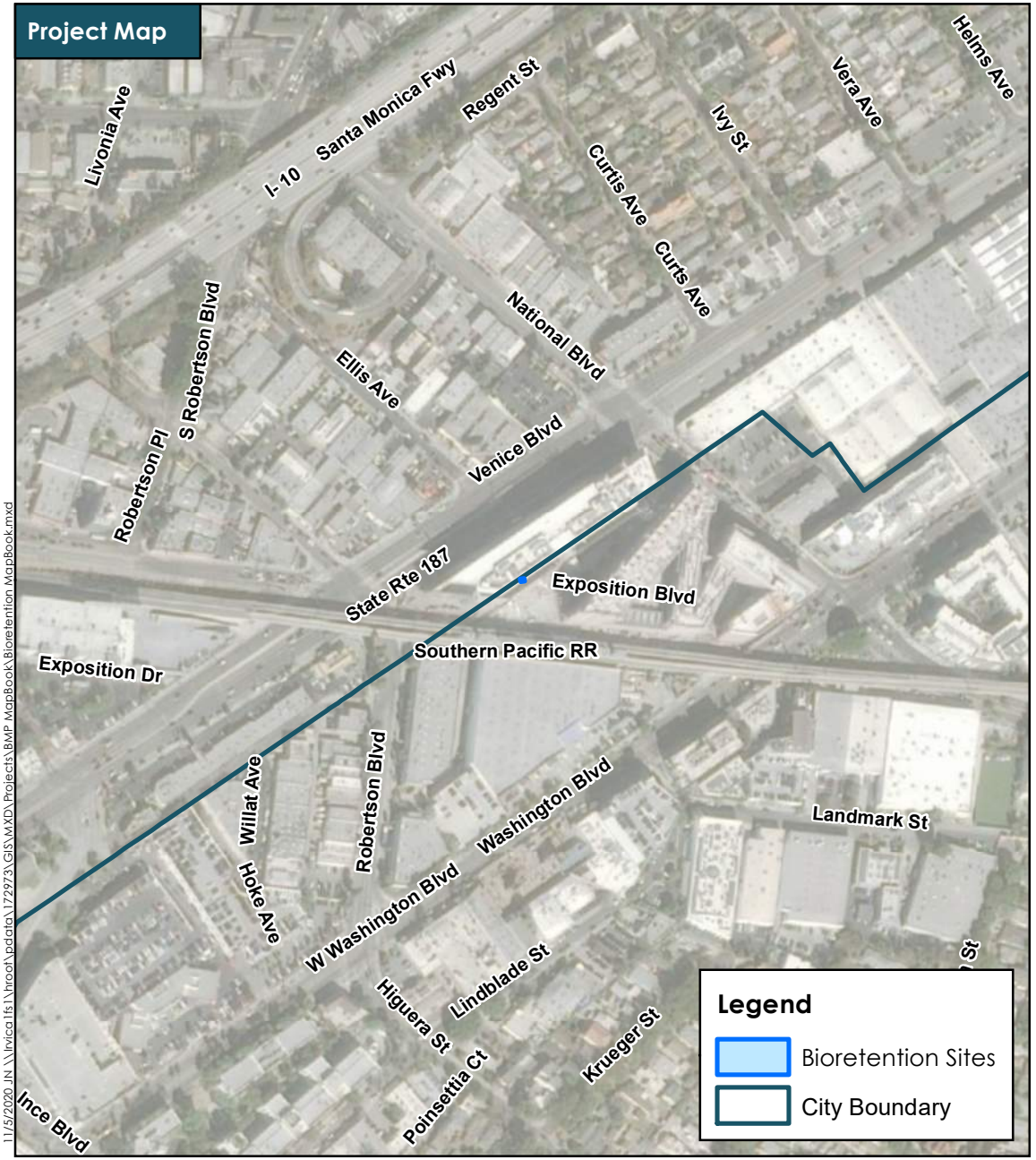
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR179

Project Map

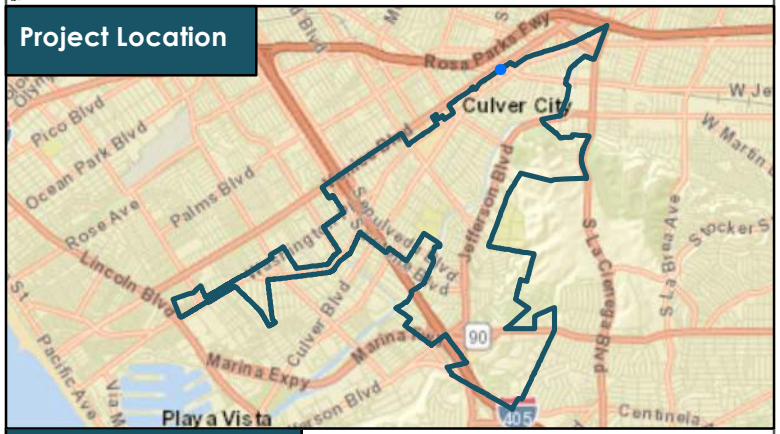


11/5/2020 JN \\Irvlca1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0
Drainage Area (ac):		0.01
Depth to Groundwater (ft):		69
EWMP Equivalient Volume (ac-ft):		0
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

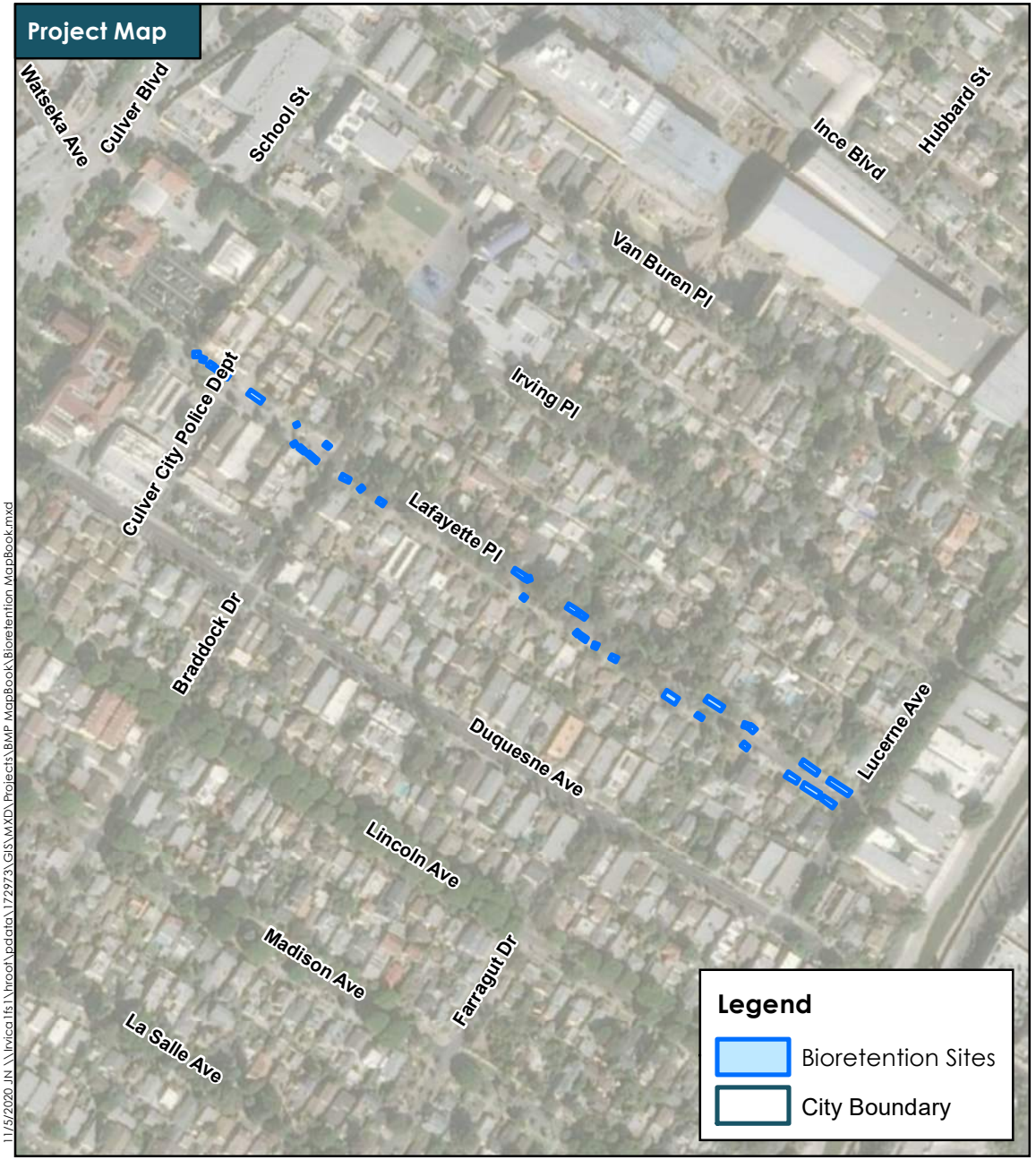
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR180

Project Map



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Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location

Project Information

Storage Capcity (ac-ft):		0.27
Drainage Area (ac):		3.28
Depth to Groundwater (ft):		32
EWMP Equivalient Volume (ac-ft):		0.15
Cost Estimate:	$	160,565

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

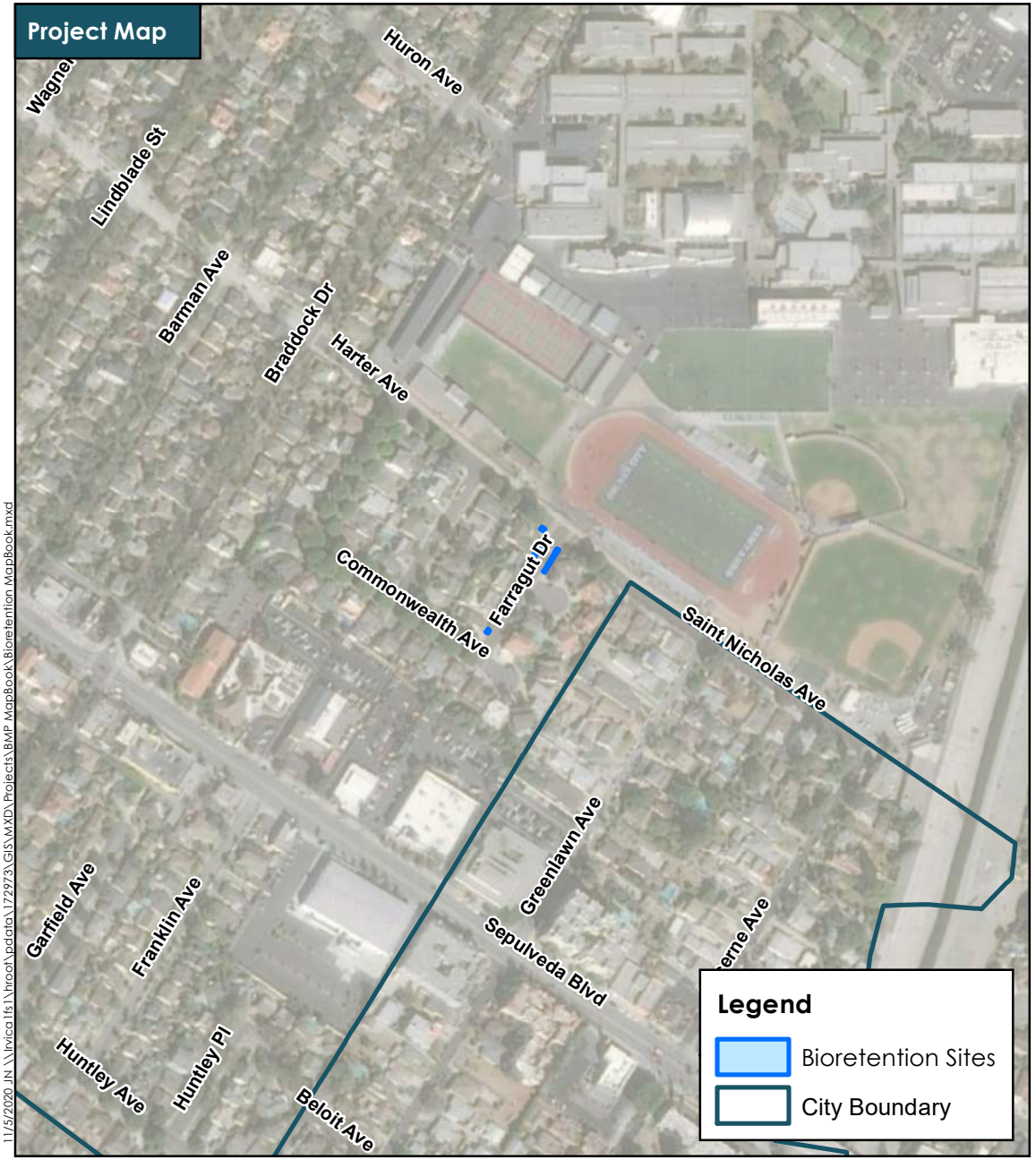
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR181

Project Map



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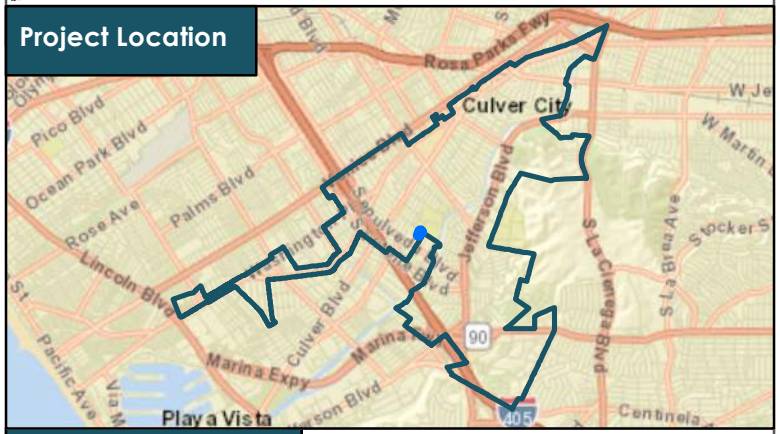
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.02
Drainage Area (ac):		0.25
Depth to Groundwater (ft):		21
EWMP Equivalient Volume (ac-ft):		0.01
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

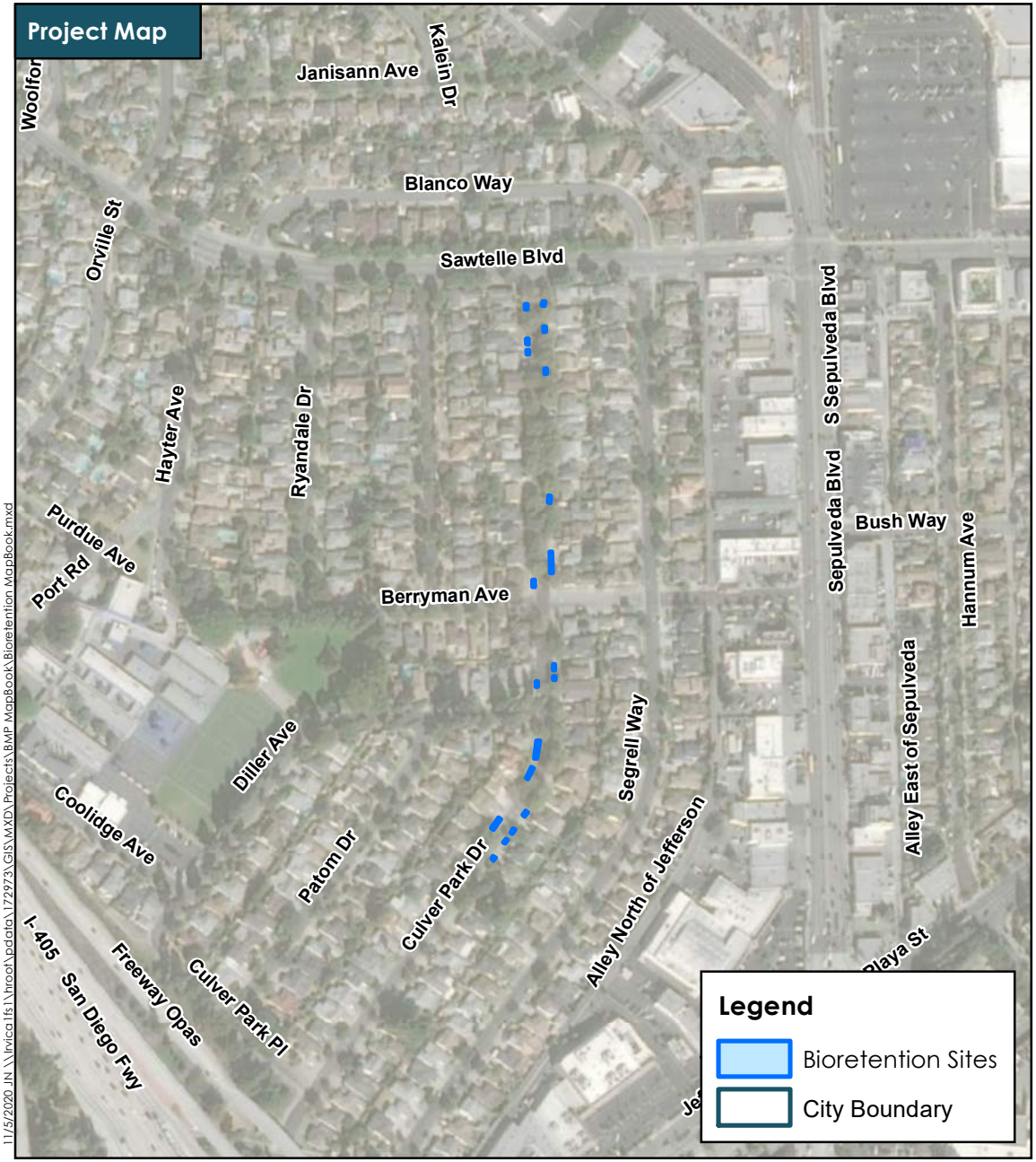
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR182

Project Map



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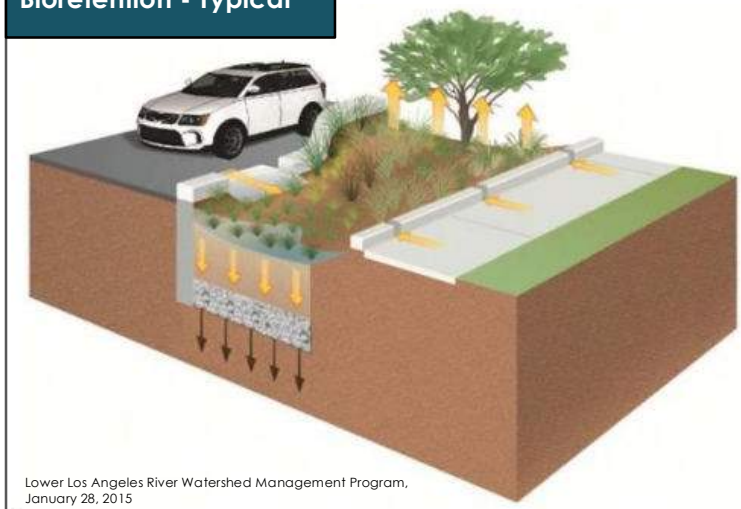
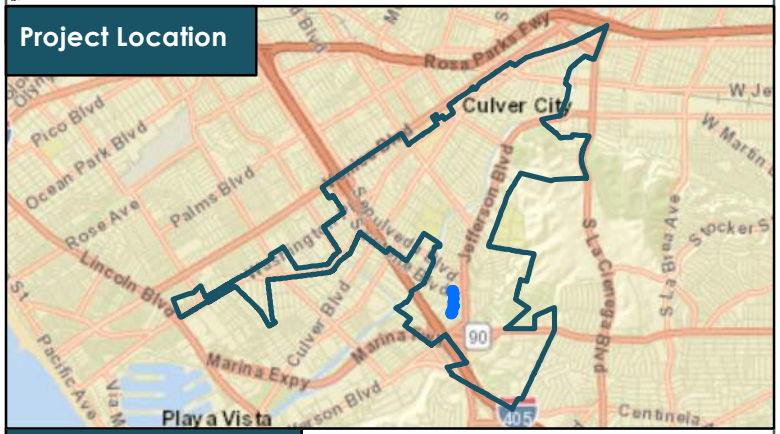
Bioretention - Typical



Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.04
Drainage Area (ac):		0.53
Depth to Groundwater (ft):		15
EWMP Equivalient Volume (ac-ft):		0.04
Cost Estimate:	$	26,206

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

Michael Baker INTERNATIONAL

BLUE OCEAN CIVIL CONSULTING

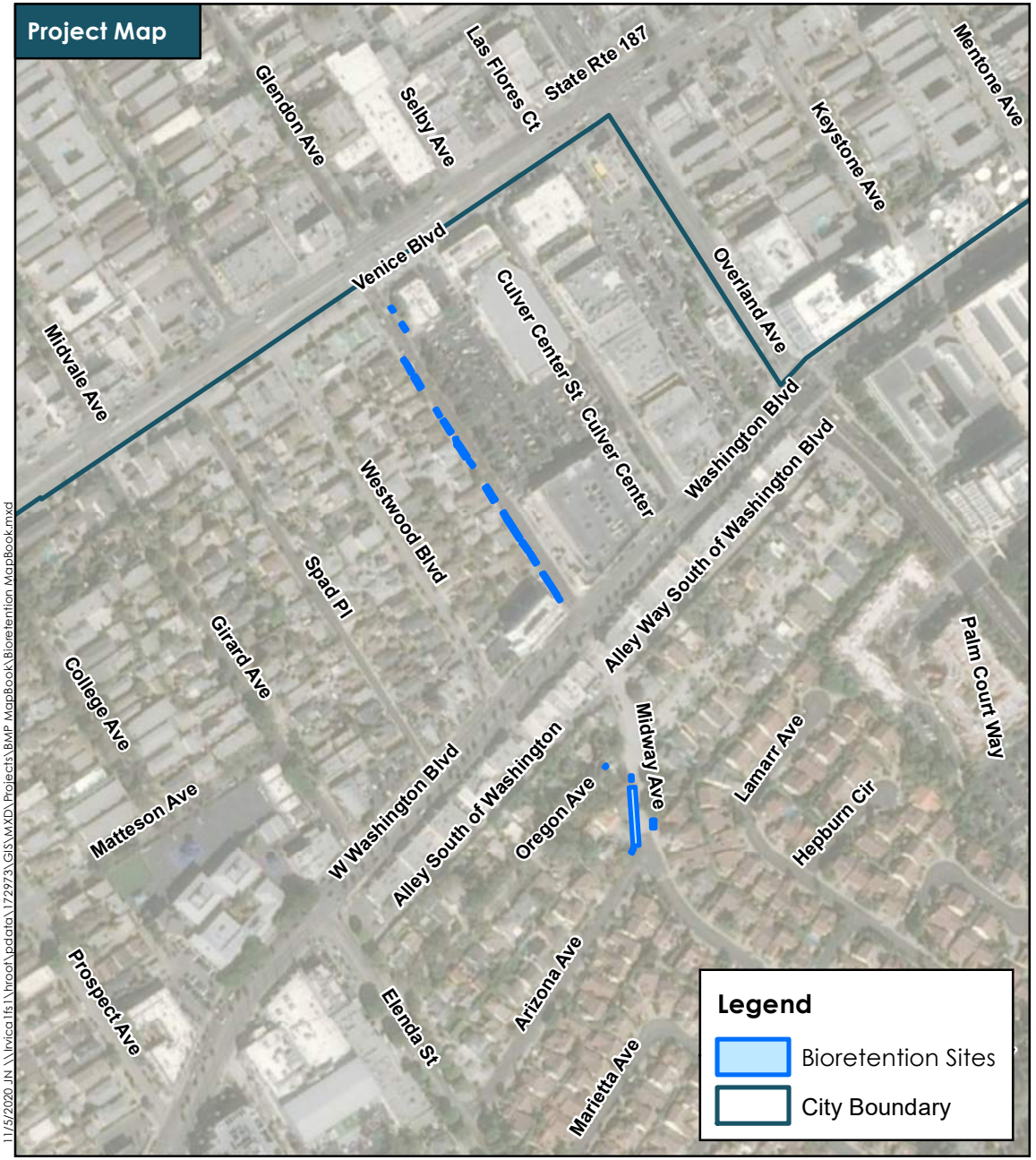
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR183

Project Map



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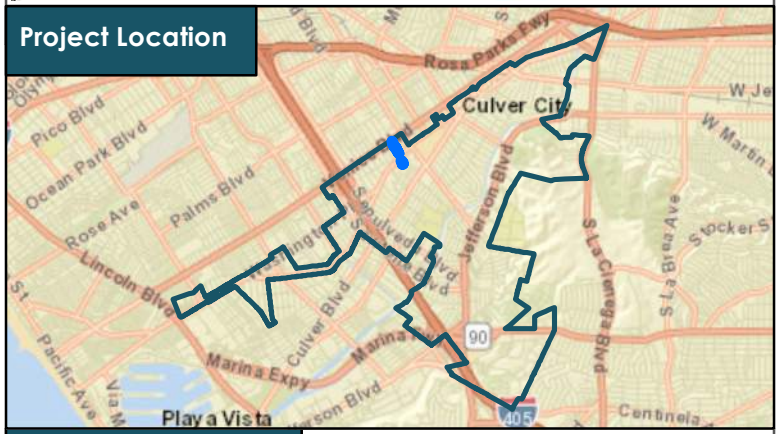
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.2
Drainage Area (ac):		2.42
Depth to Groundwater (ft):		23
EWMP Equivalient Volume (ac-ft):		0.11
Cost Estimate:	$	118,742

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

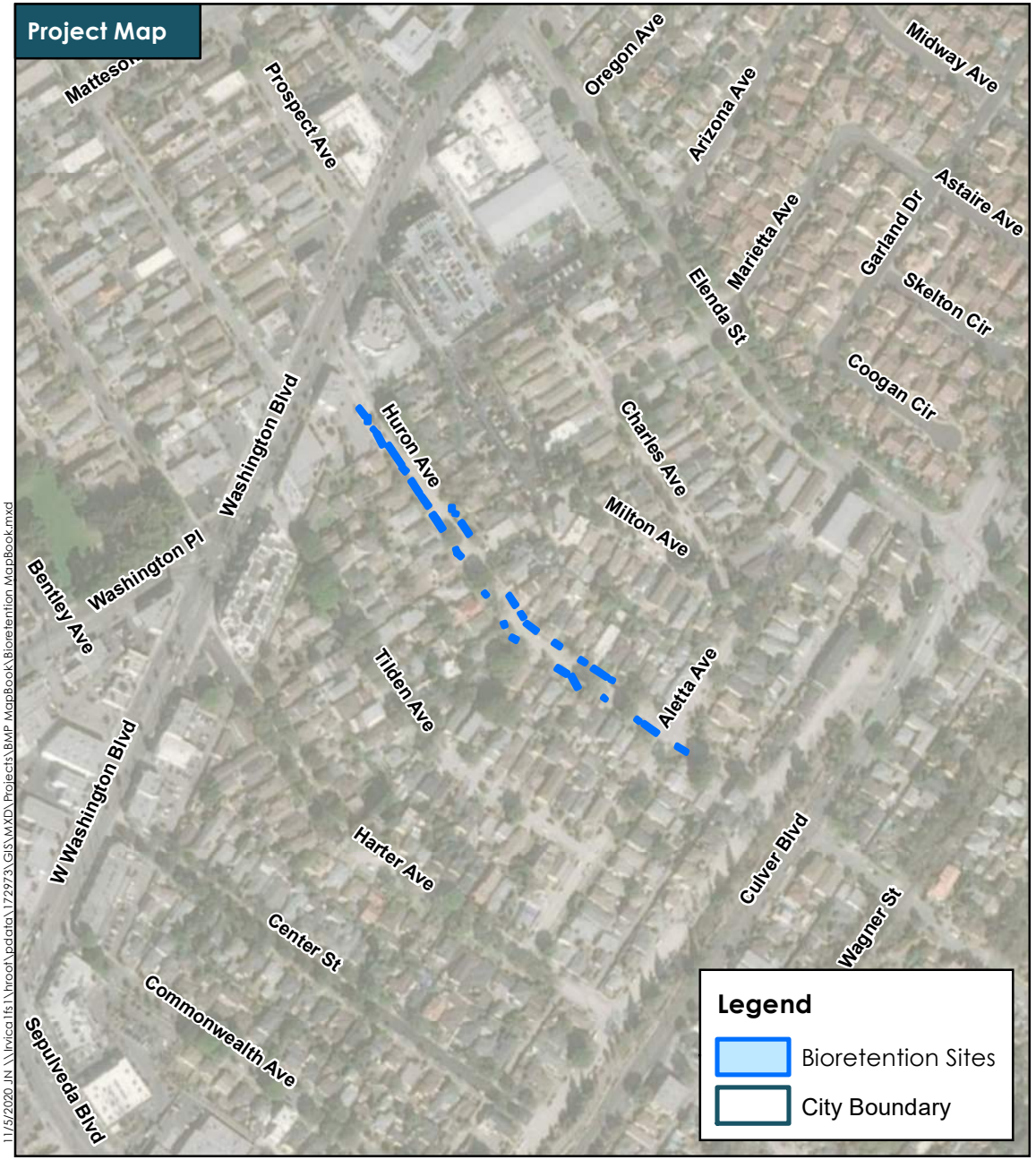
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR184

Project Map



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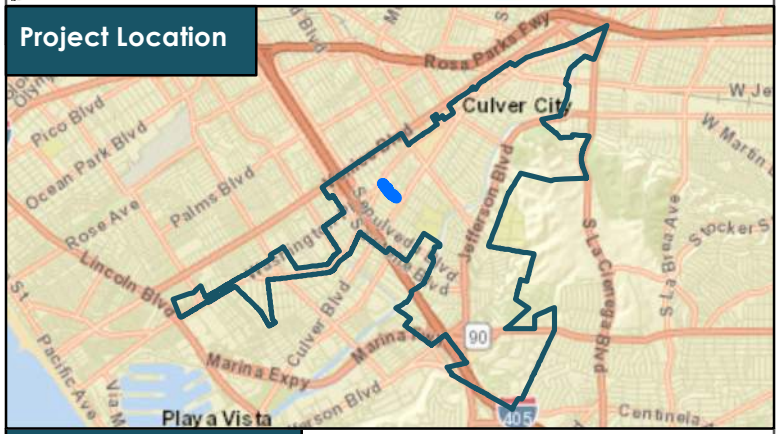
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.25
Drainage Area (ac):		2.97
Depth to Groundwater (ft):		21
EWMP Equivalient Volume (ac-ft):		0.13
Cost Estimate:	$	145,593

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

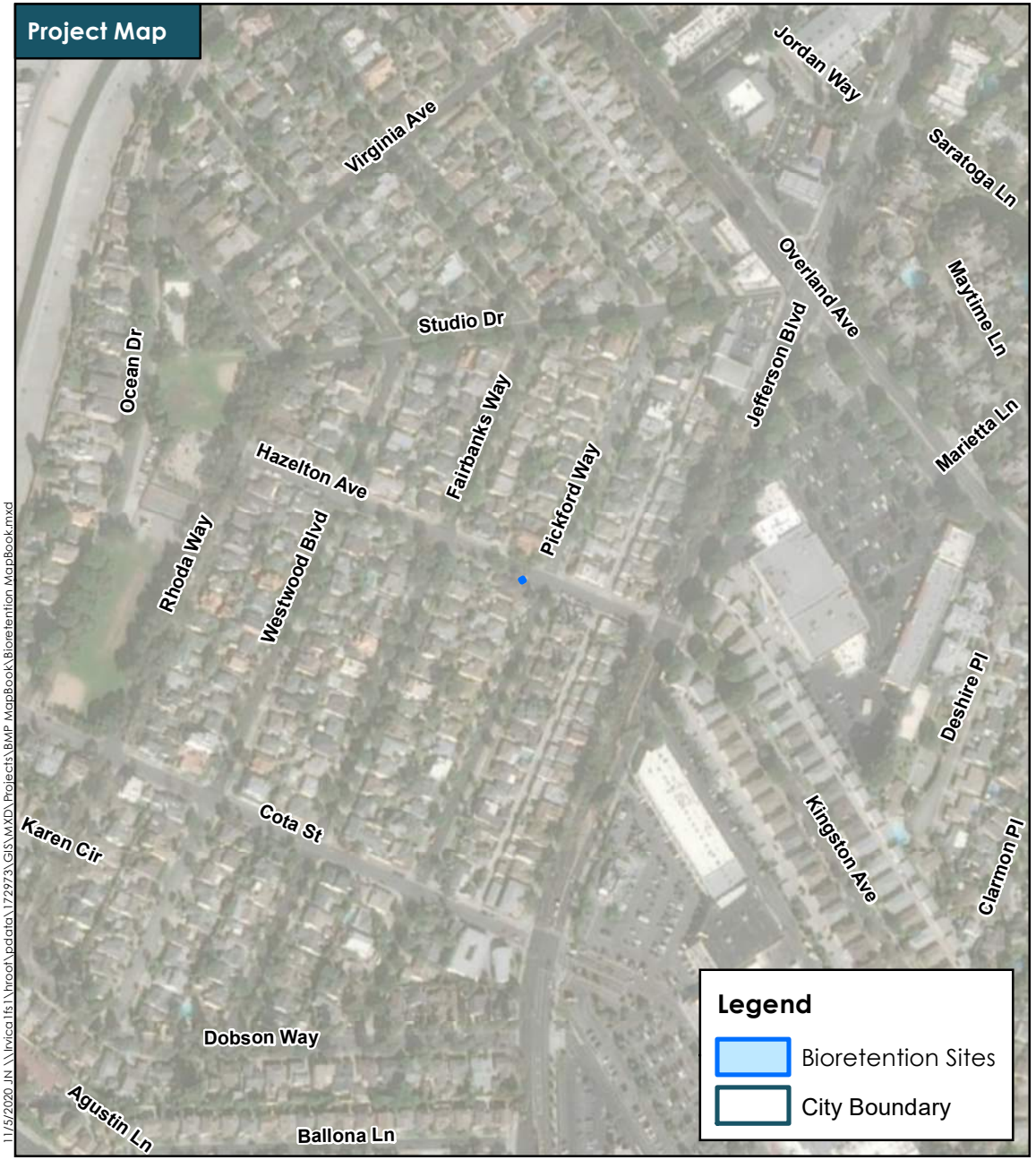
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR185

Project Map



11/5/2020 JN \\Irvlca1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location

Project Information

Storage Capcity (ac-ft):		0
Drainage Area (ac):		0.02
Depth to Groundwater (ft):		27
EWMP Equivalient Volume (ac-ft):		0
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

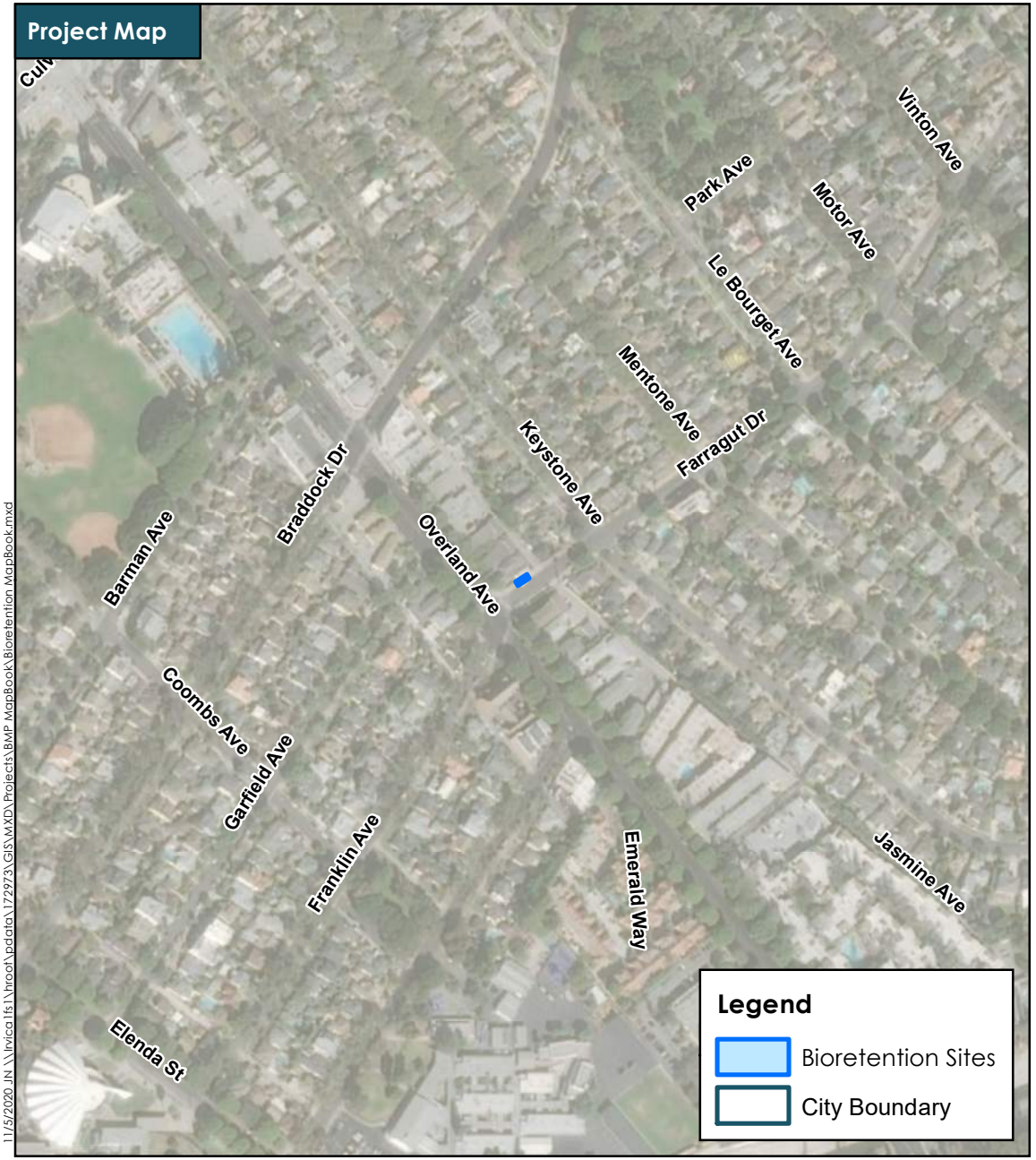
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR186

Project Map

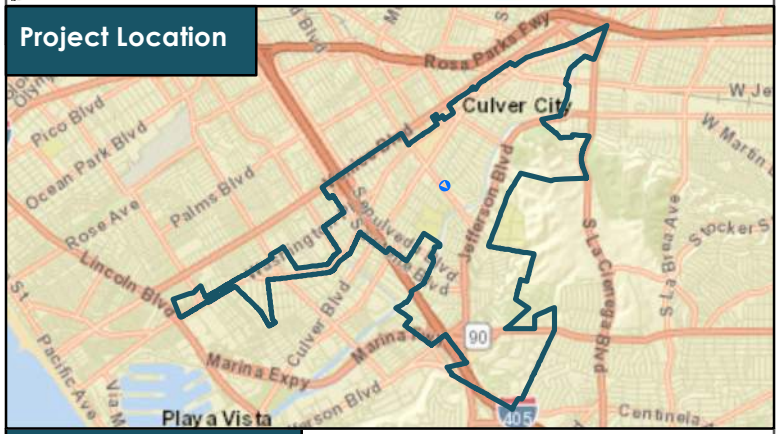


11/5/2020 JN \\Irvlca1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.01
Drainage Area (ac):		0.15
Depth to Groundwater (ft):		31
EWMP Equivalient Volume (ac-ft):		0.01
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

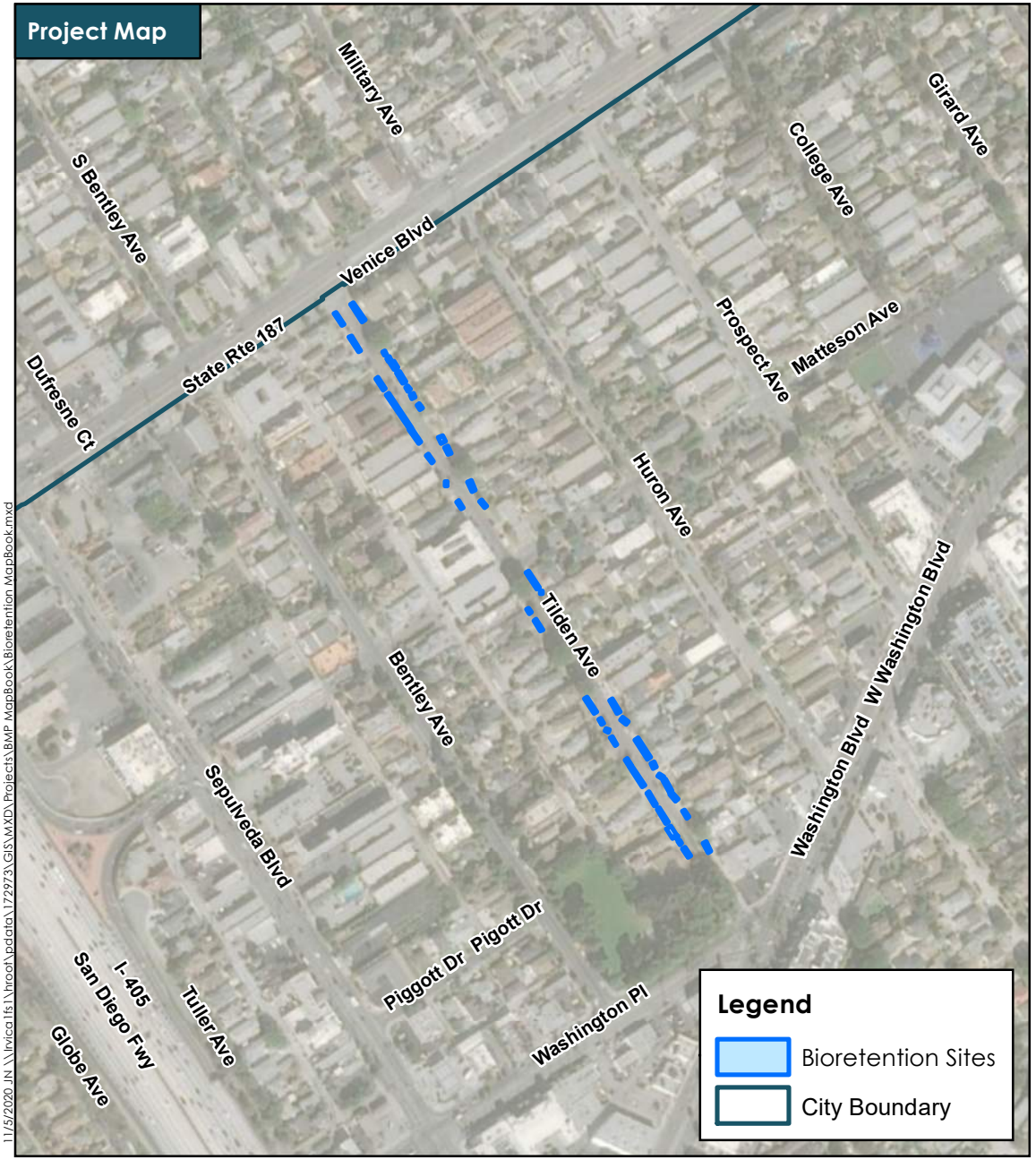
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

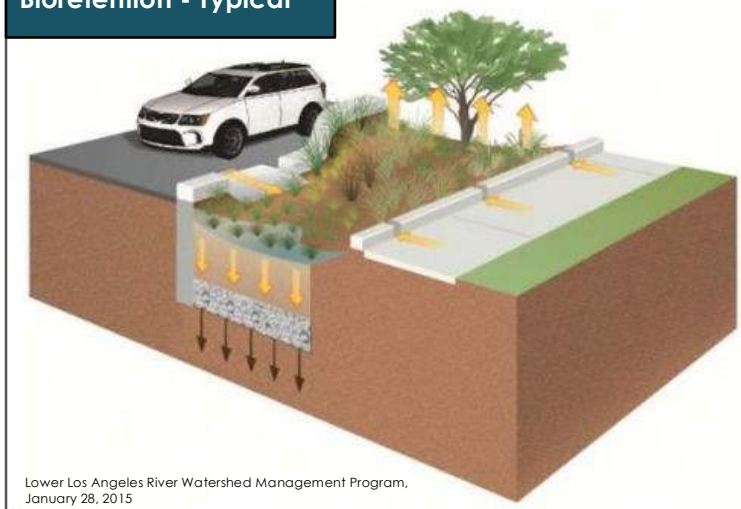
Bioretention Site: BR187

Project Map



11/5/2020 JN \\Irvlca1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical



Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location

Project Information

Storage Capcity (ac-ft):		0.26
Drainage Area (ac):		3.11
Depth to Groundwater (ft):		39
EWMP Equivalient Volume (ac-ft):		0.14
Cost Estimate:	$	152,363

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR188

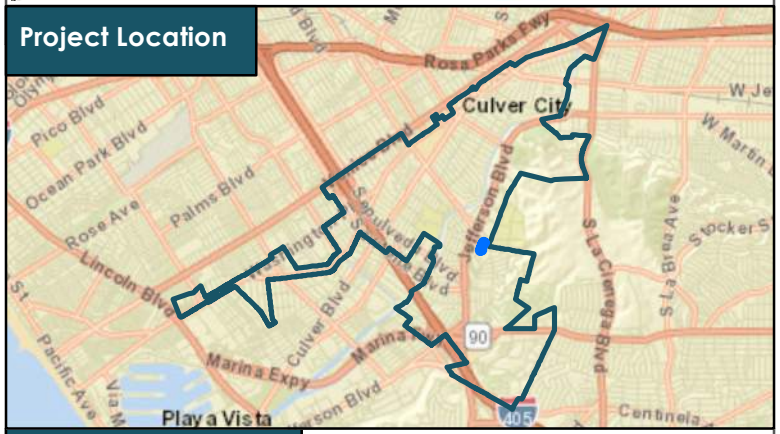
Project Map

11/5/2020 JN \\Irvlcal1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.12
Drainage Area (ac):		1.49
Depth to Groundwater (ft):		30
EWMP Equivalient Volume (ac-ft):		0.11
Cost Estimate:	$	72,819

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

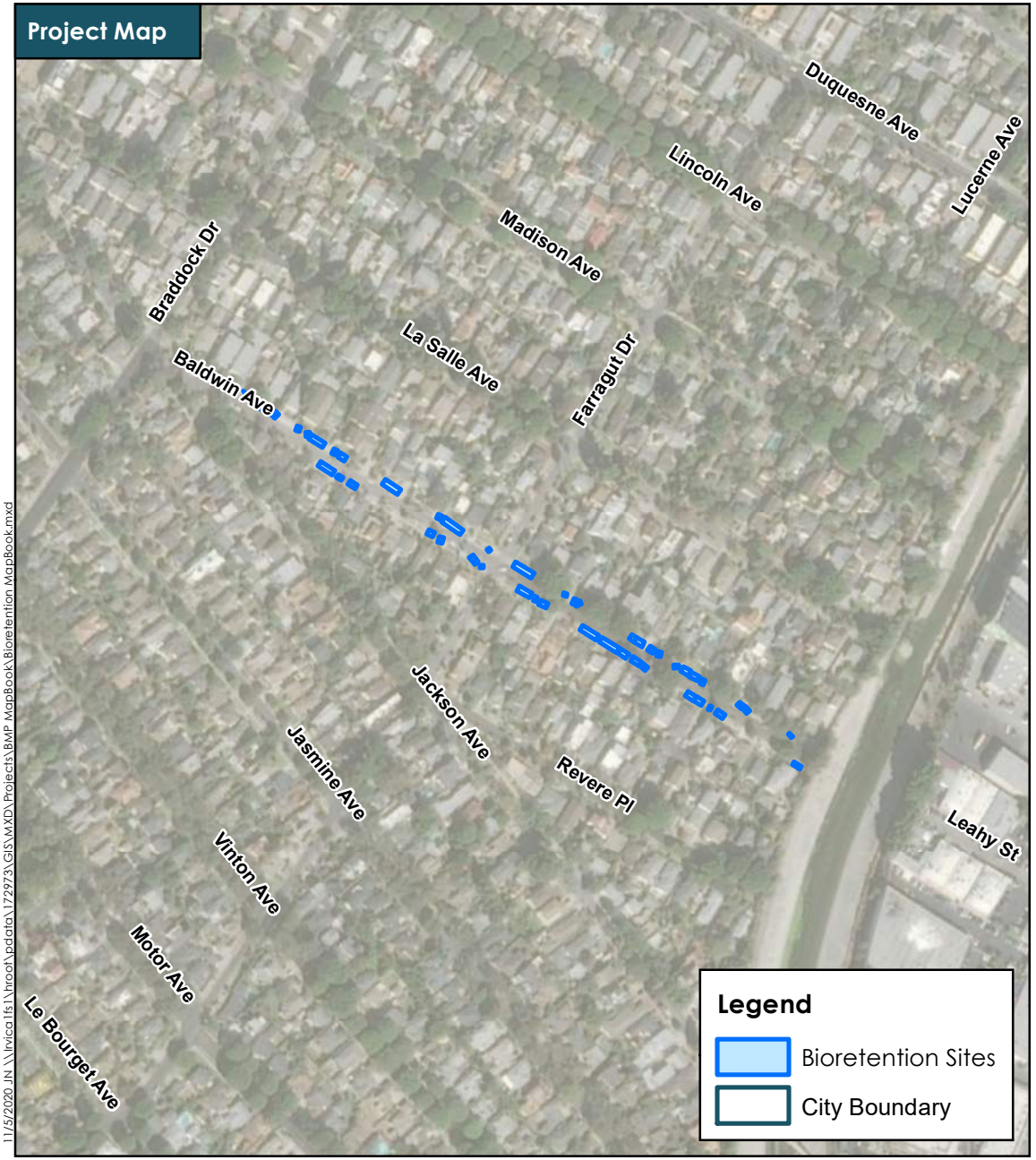
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR189

Project Map

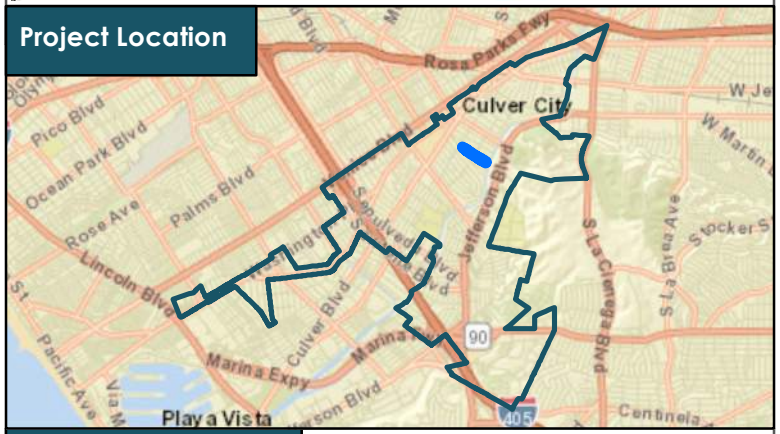


11/5/2020 JN \\Irvlcal1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.33
Drainage Area (ac):		3.97
Depth to Groundwater (ft):		29
EWMP Equivalient Volume (ac-ft):		0.12
Cost Estimate:	$	194,640

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

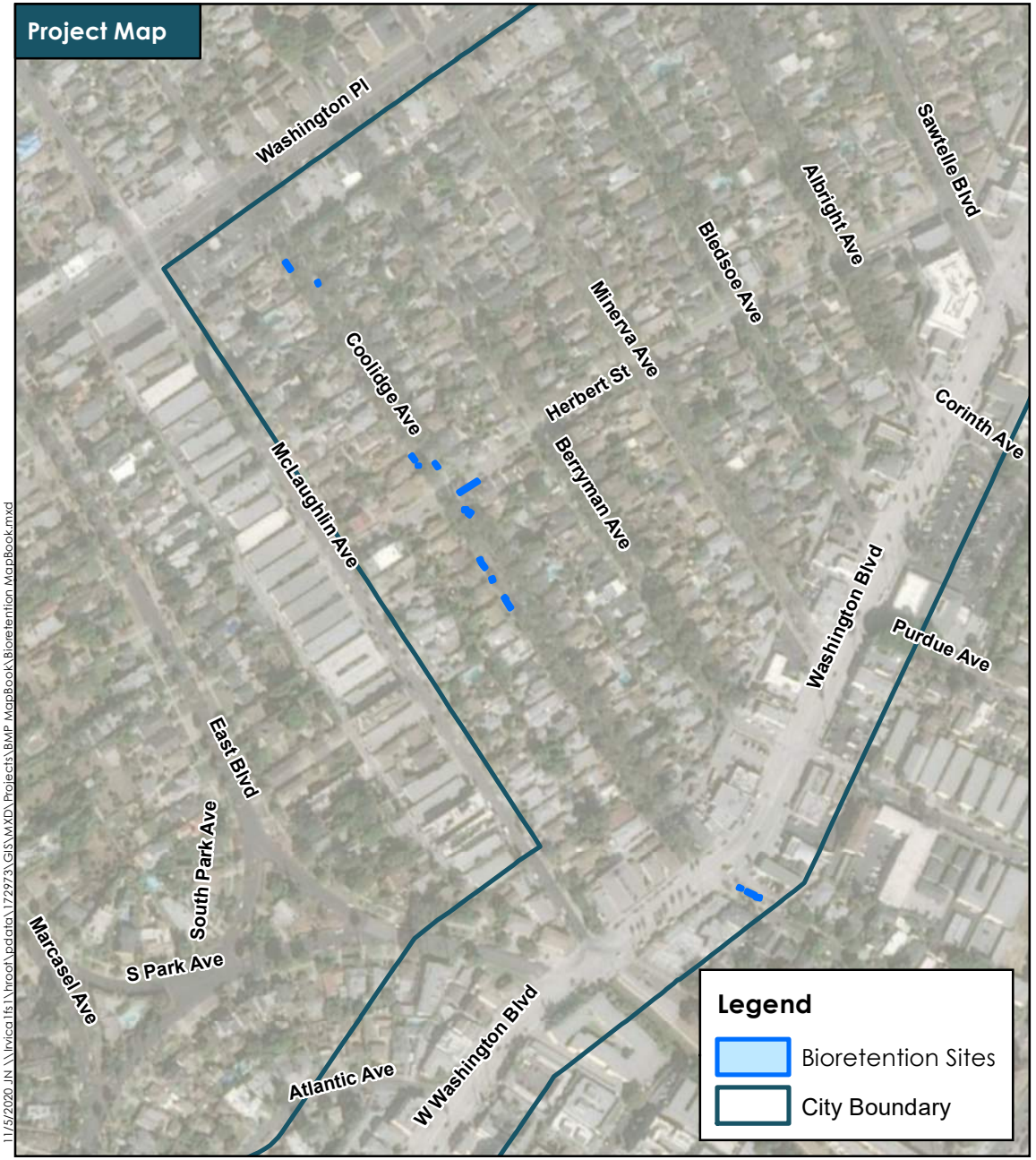
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR190

Project Map

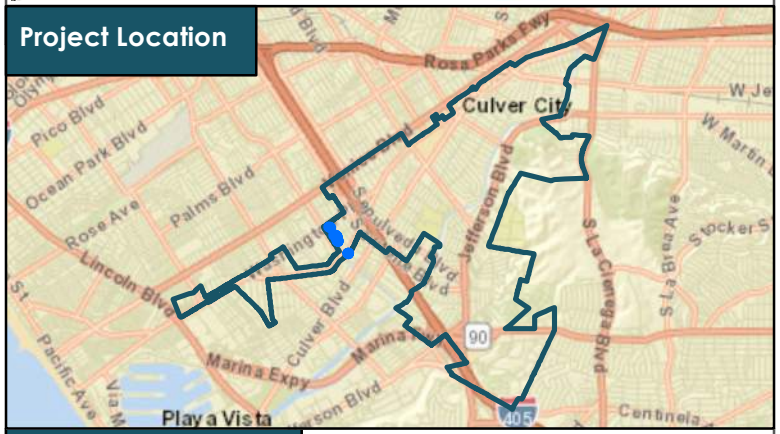


11/5/2020 JN \\Irvlca1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.02
Drainage Area (ac):		0.27
Depth to Groundwater (ft):		38
EWMP Equivalient Volume (ac-ft):		0.01
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

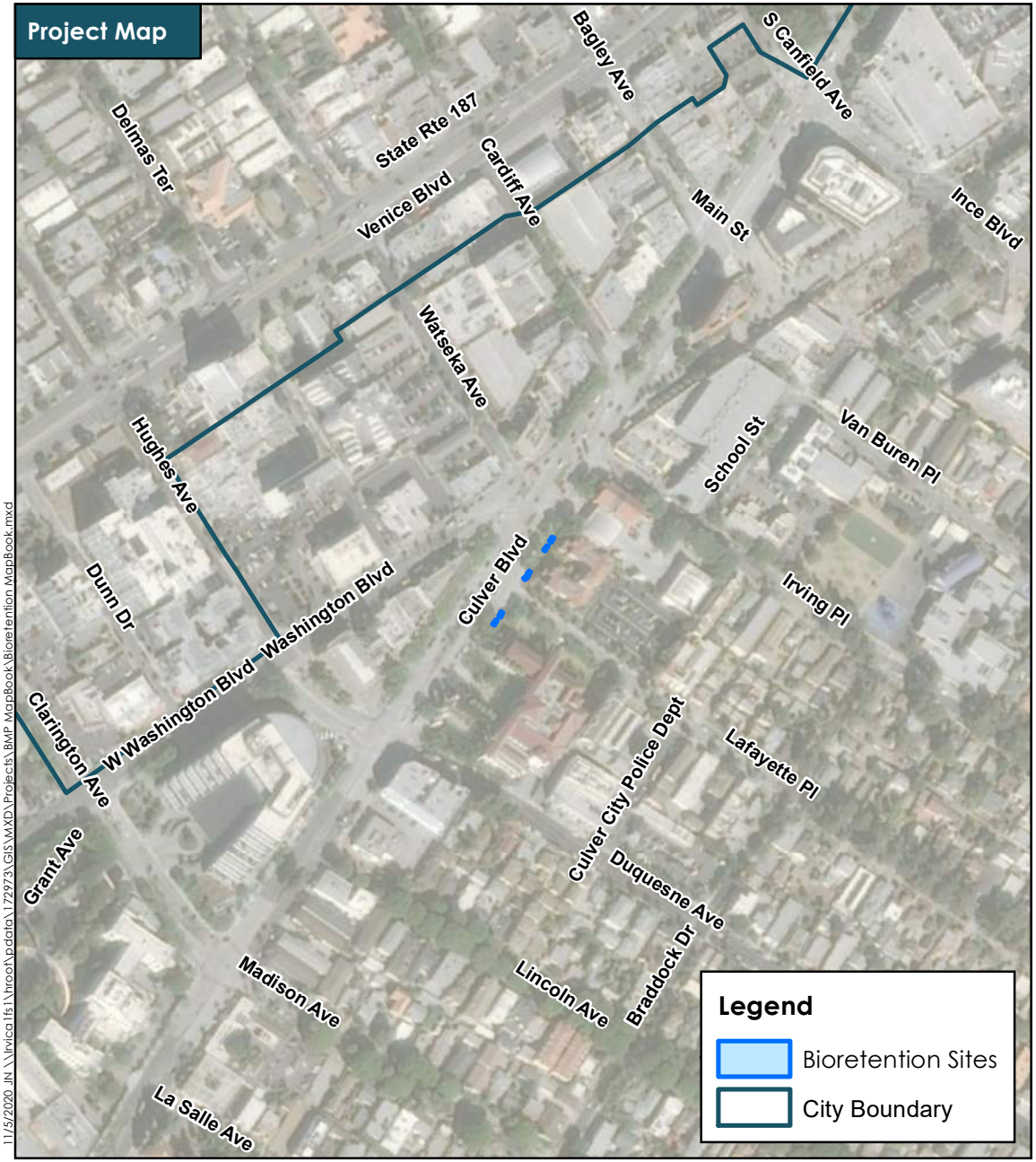
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR191

Project Map



11/5/2020 JN \\Irvlcal1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location

Project Information

Storage Capcity (ac-ft):		0.01
Drainage Area (ac):		0.09
Depth to Groundwater (ft):		55
EWMP Equivalient Volume (ac-ft):		0
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

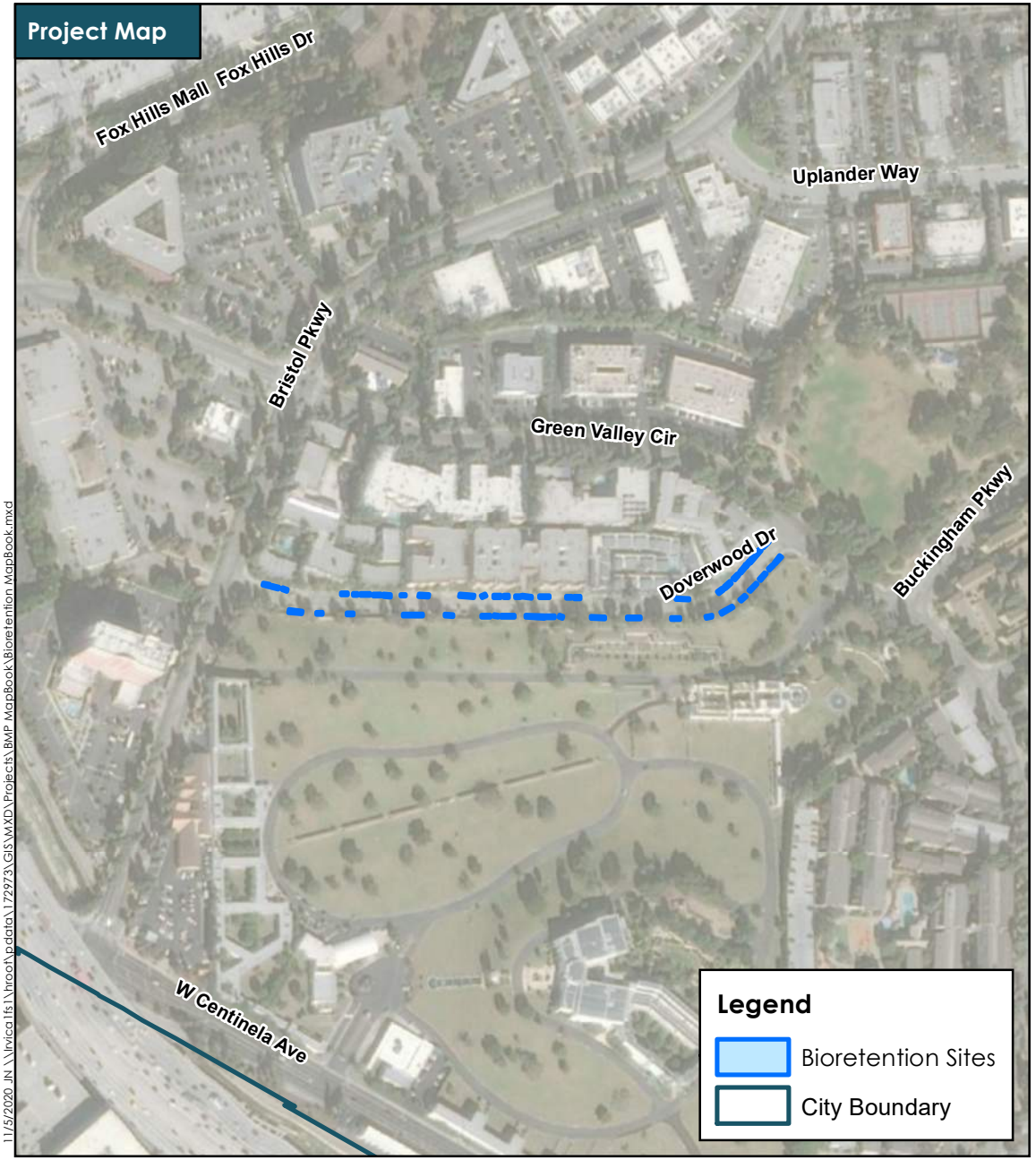
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR192

Project Map

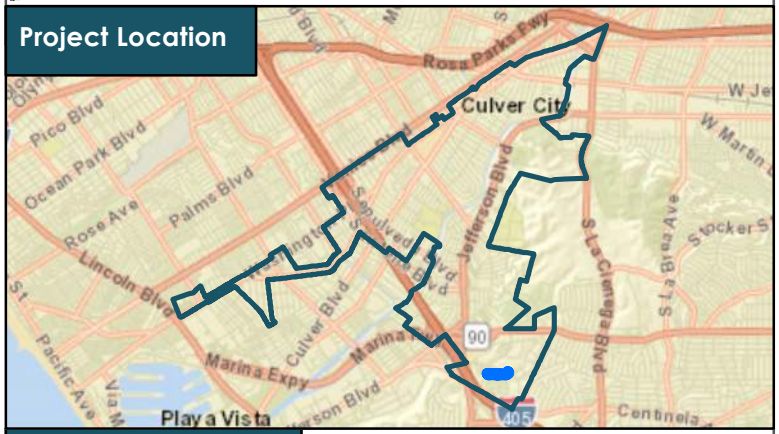


11/5/2020 JN \\Irvinca1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.11
Drainage Area (ac):		1.31
Depth to Groundwater (ft):		53
EWMP Equivalient Volume (ac-ft):		0.09
Cost Estimate:	$	64,013

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

0 200 400 Feet

Source: City of Culver City

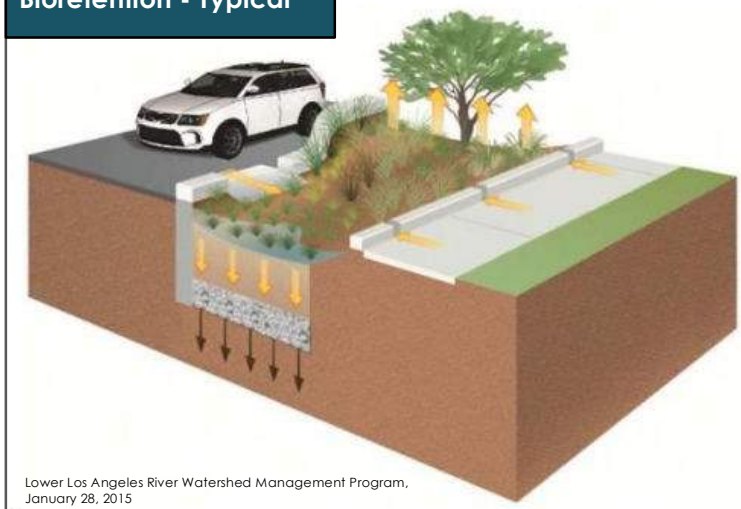
CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR193

Project Map

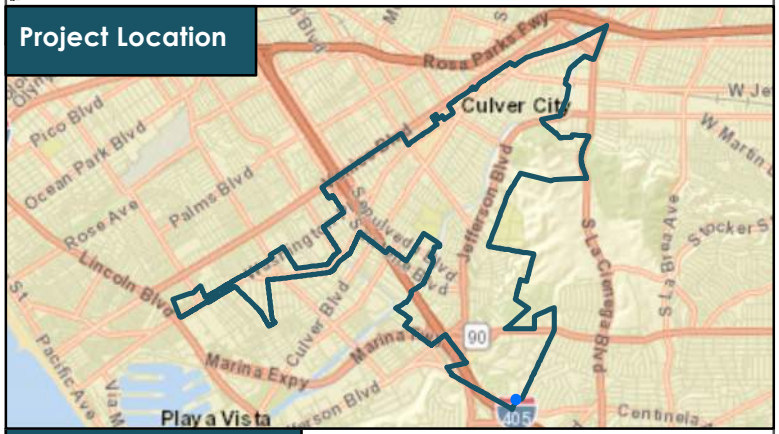
11/5/2020 JN \\Irvlcal1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical



Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0
Drainage Area (ac):		0.02
Depth to Groundwater (ft):		19
EWMP Equivalient Volume (ac-ft):		0
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

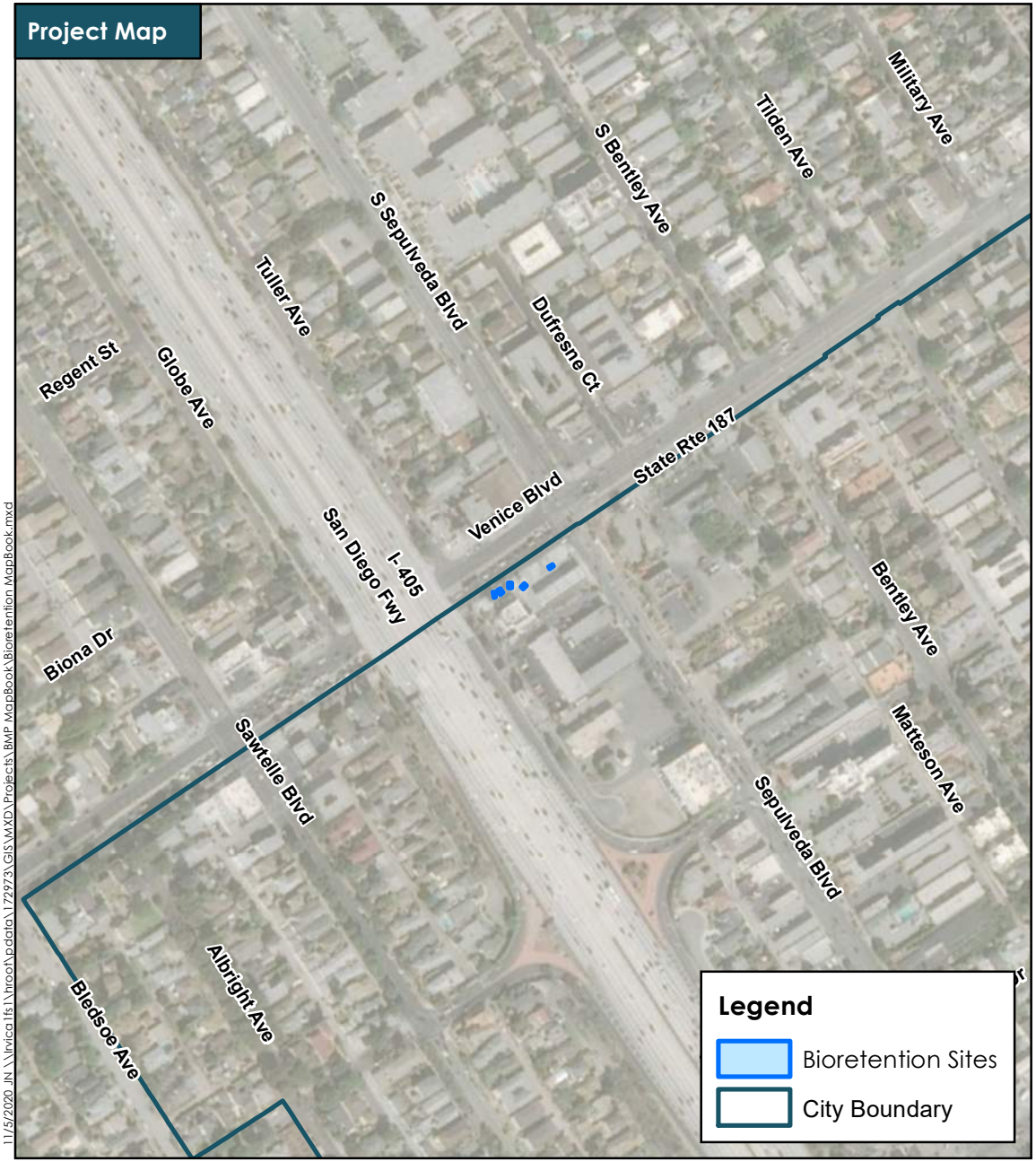
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR194

Project Map



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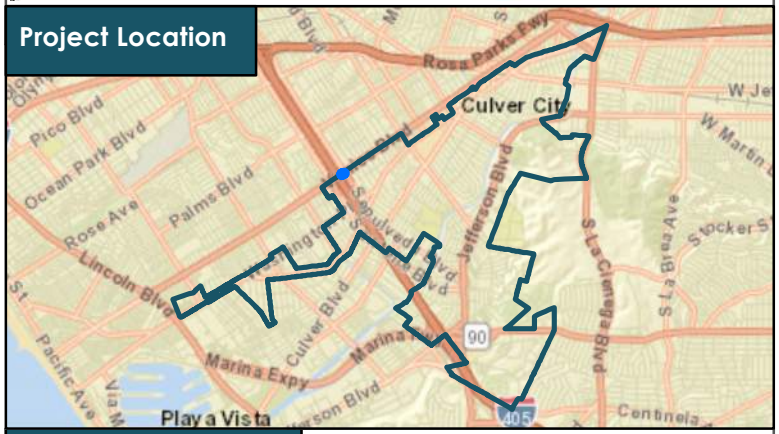
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.01
Drainage Area (ac):		0.13
Depth to Groundwater (ft):		48
EWMP Equivalient Volume (ac-ft):		0.01
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

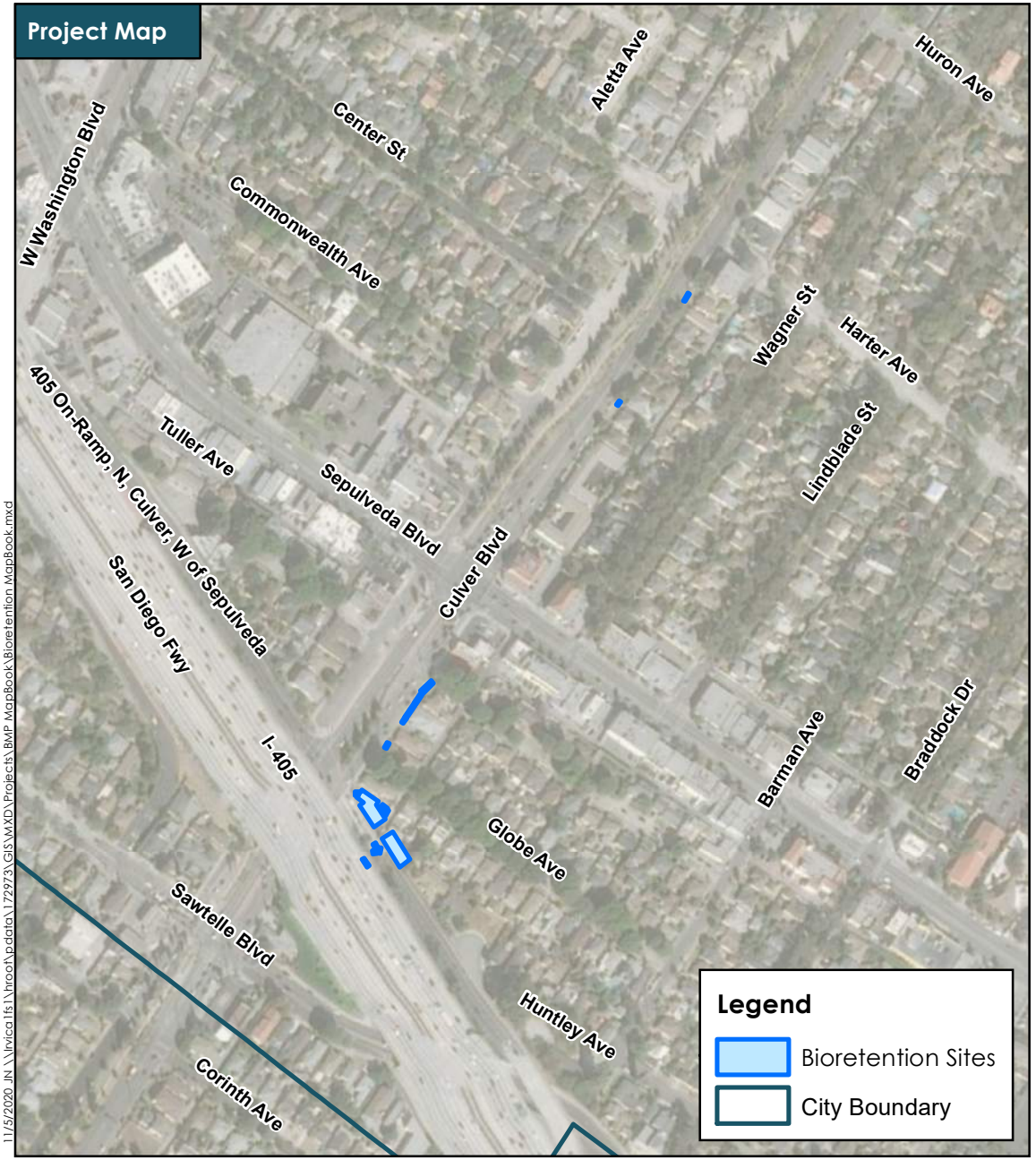
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR195

Project Map

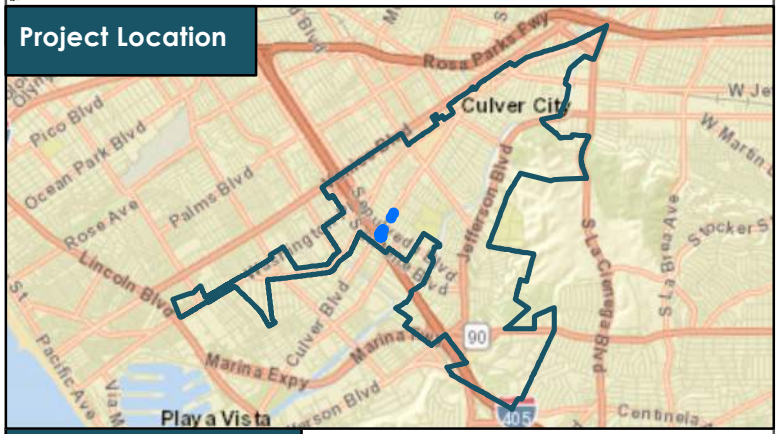


11/5/2020 JN \\Irvlca1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.18
Drainage Area (ac):		2.18
Depth to Groundwater (ft):		22
EWMP Equivalient Volume (ac-ft):		0.1
Cost Estimate:	$	107,022

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

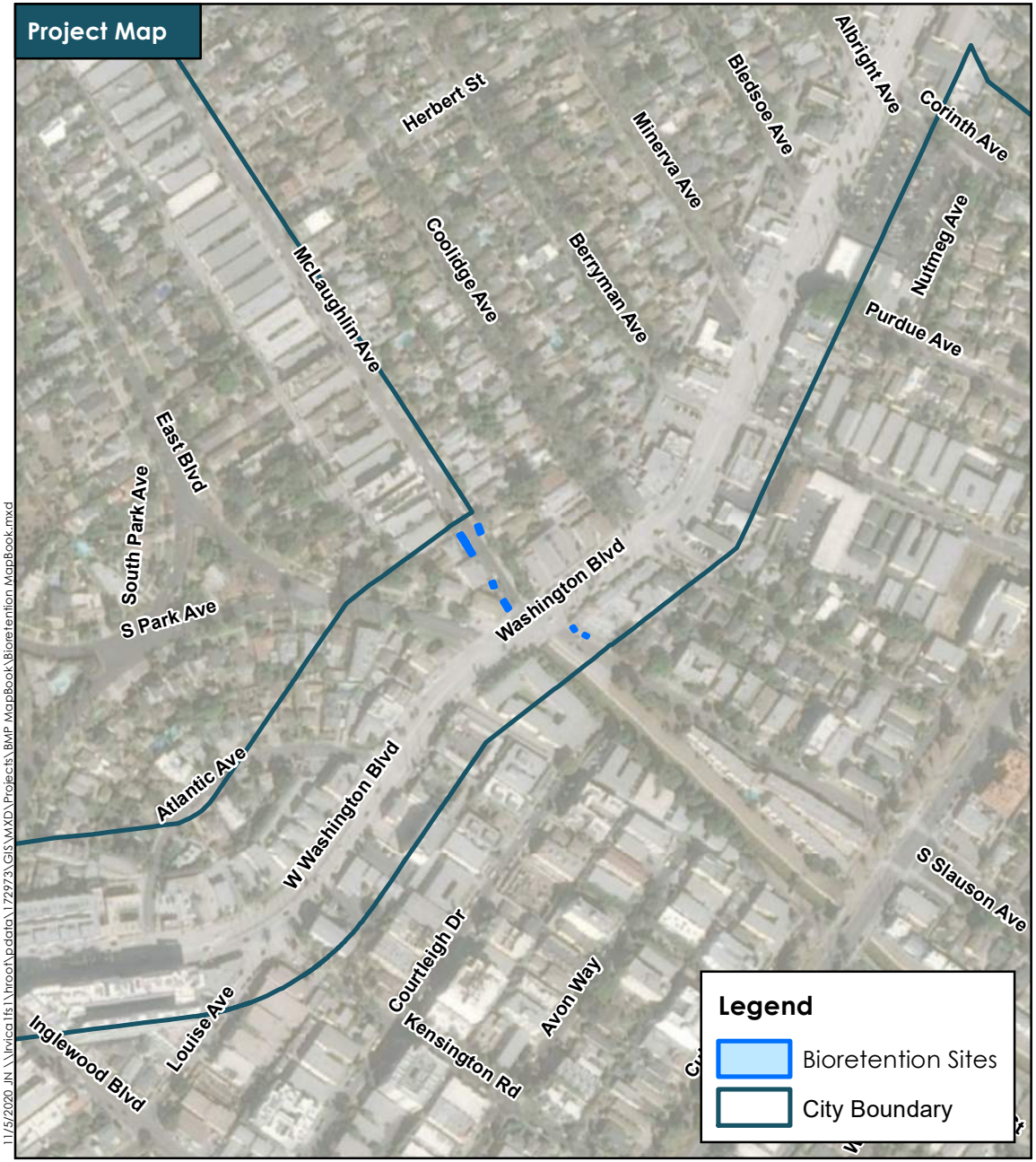
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR196

Project Map



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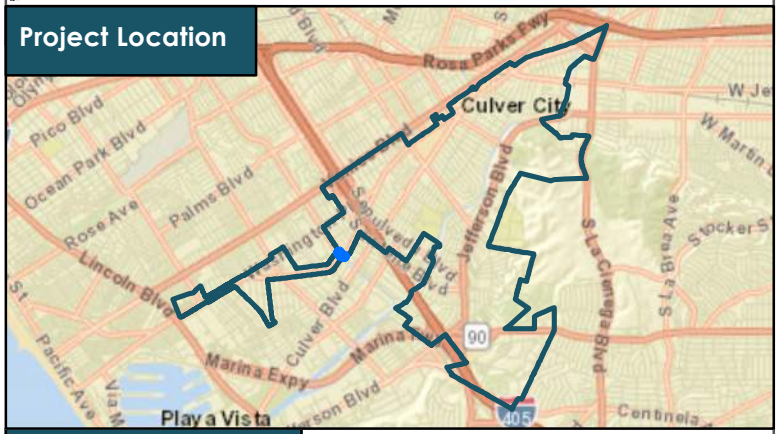
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.04
Drainage Area (ac):		0.46
Depth to Groundwater (ft):		35
EWMP Equivalient Volume (ac-ft):		0.01
Cost Estimate:	$	22,789

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

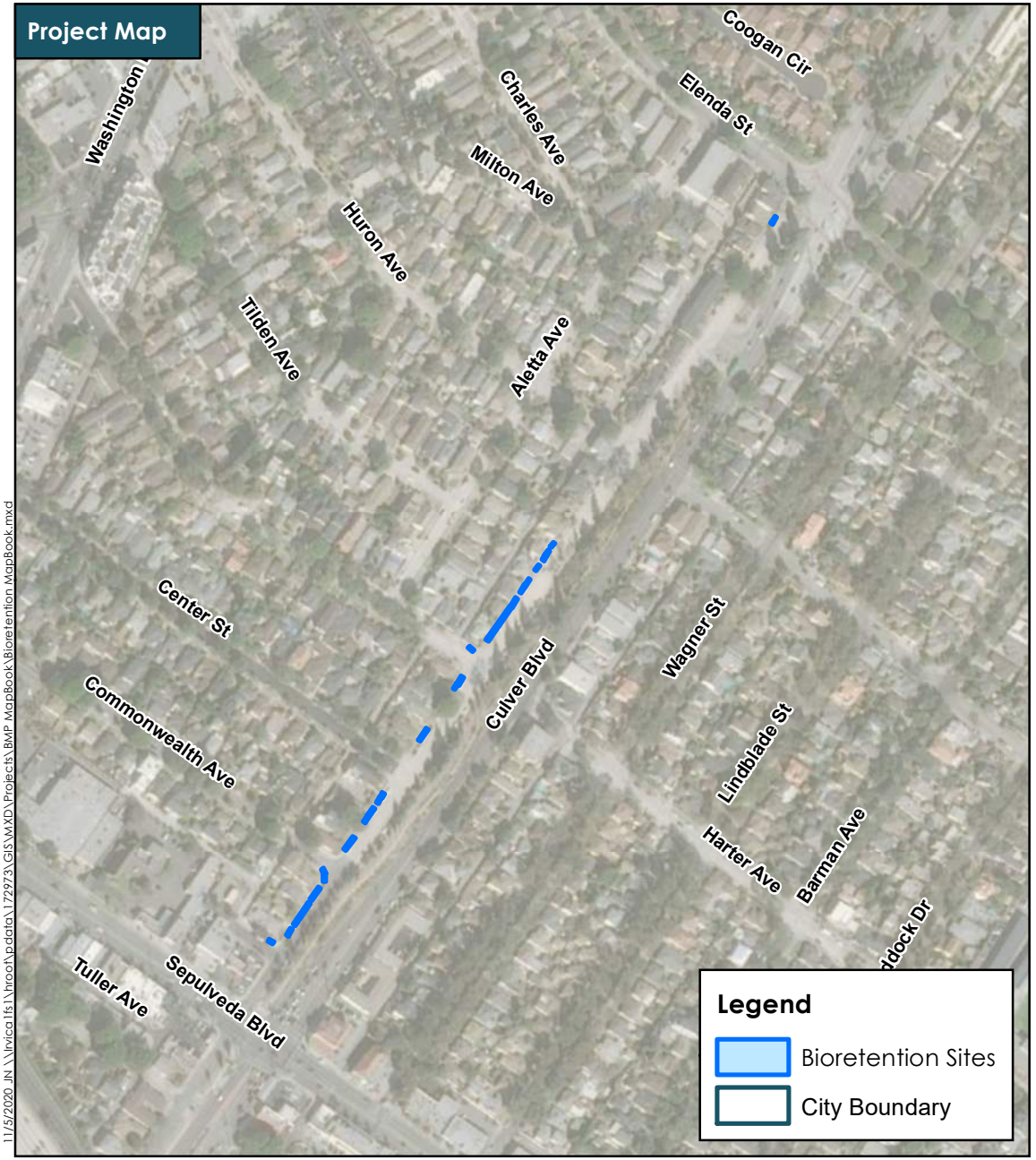
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR197

Project Map



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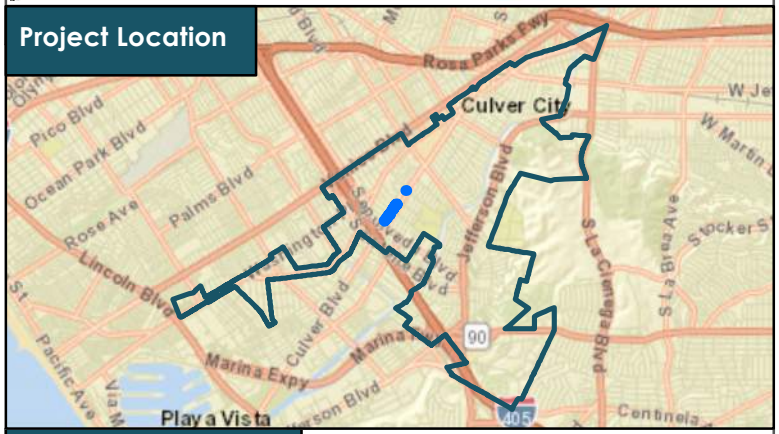
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.07
Drainage Area (ac):		0.89
Depth to Groundwater (ft):		23
EWMP Equivalient Volume (ac-ft):		0.04
Cost Estimate:	$	43,421

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR198

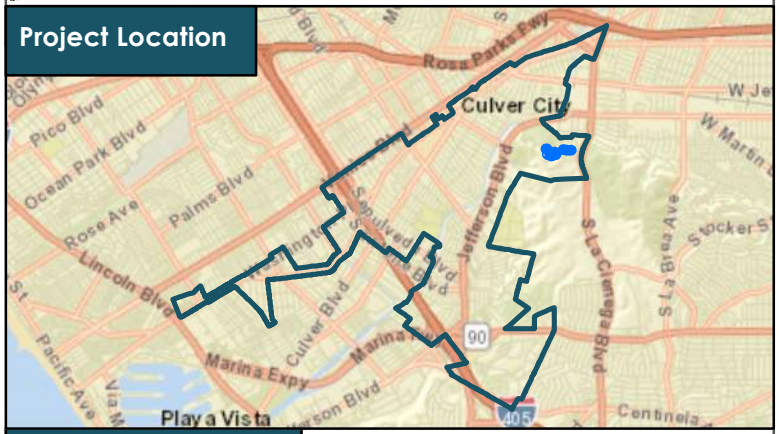
Project Map

11/5/2020 JN \\Irvlca1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.04
Drainage Area (ac):		0.49
Depth to Groundwater (ft):		273
EWMP Equivalient Volume (ac-ft):		0.04
Cost Estimate:	$	24,014

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

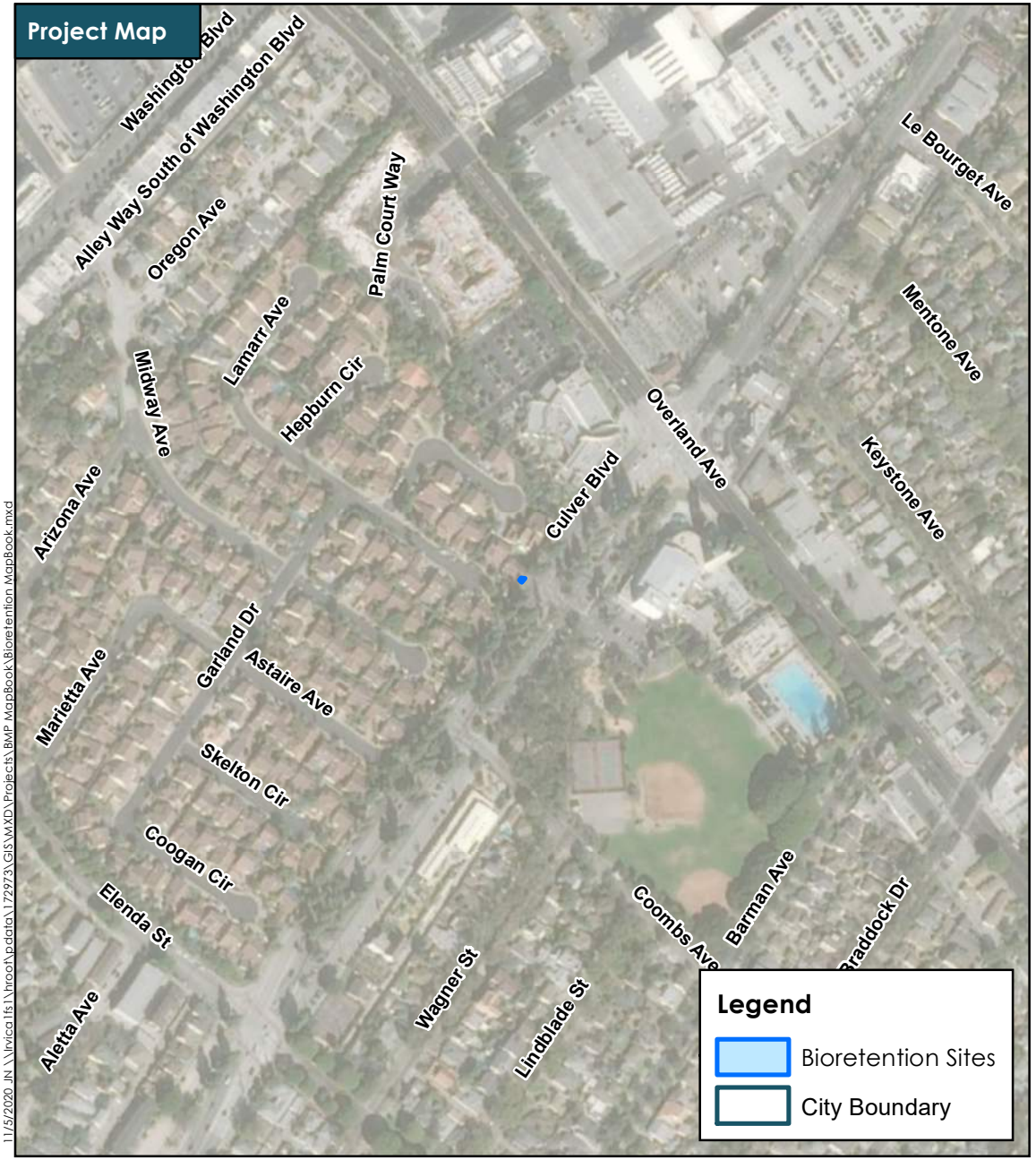
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR199

Project Map



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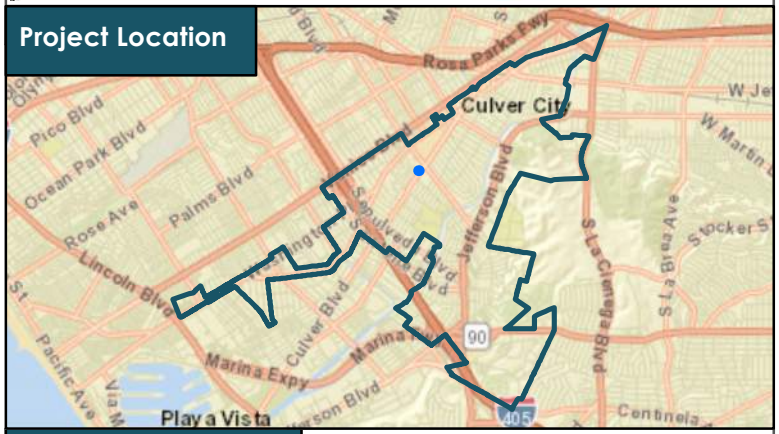
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0
Drainage Area (ac):		0.04
Depth to Groundwater (ft):		24
EWMP Equivalient Volume (ac-ft):		0
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

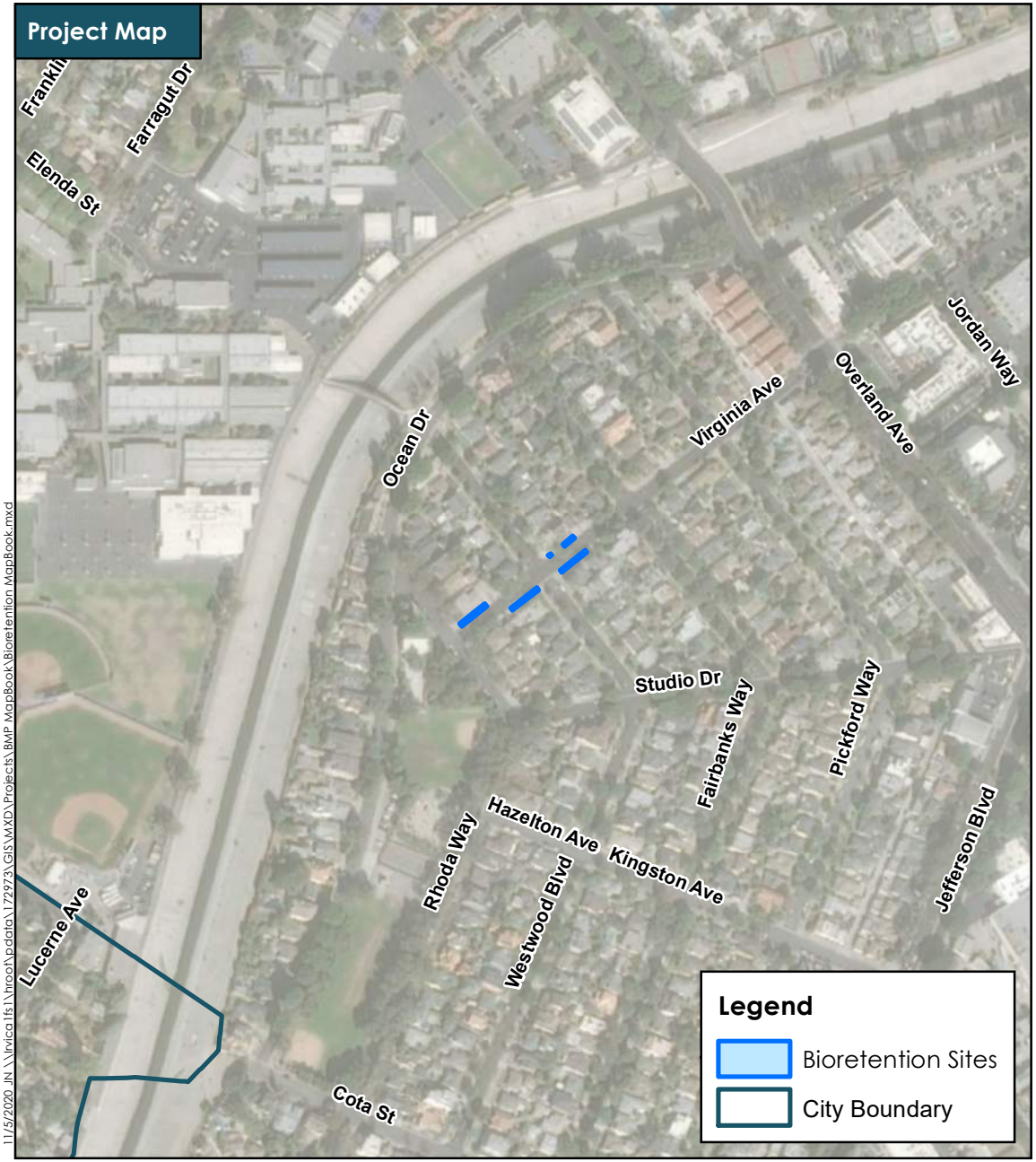
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR200

Project Map



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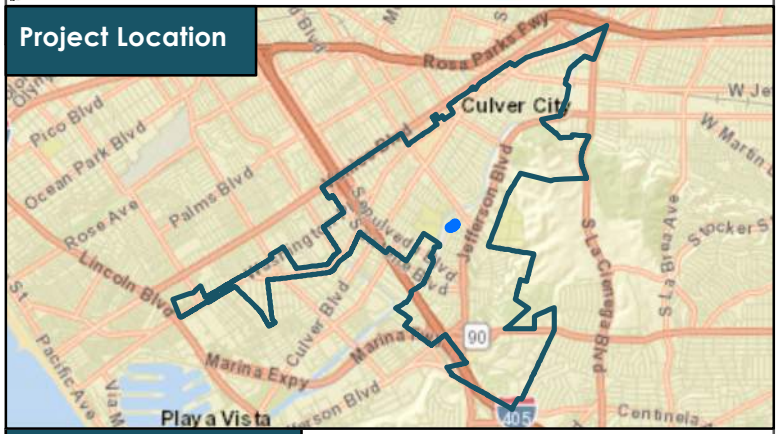
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.05
Drainage Area (ac):		0.64
Depth to Groundwater (ft):		26
EWMP Equivalient Volume (ac-ft):		0.05
Cost Estimate:	$	31,610

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR201

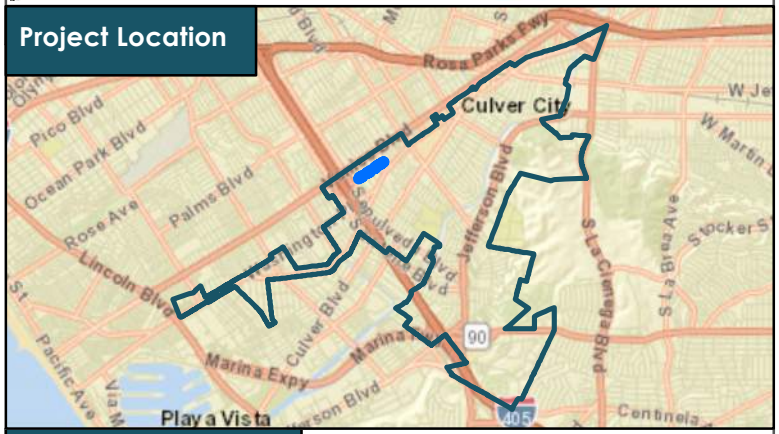
Project Map

11/5/2020 JN \\Irvlca1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.17
Drainage Area (ac):		2.1
Depth to Groundwater (ft):		35
EWMP Equivalient Volume (ac-ft):		0.09
Cost Estimate:	$	102,755

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

Blue Ocean Civil Consulting

Michael Baker International

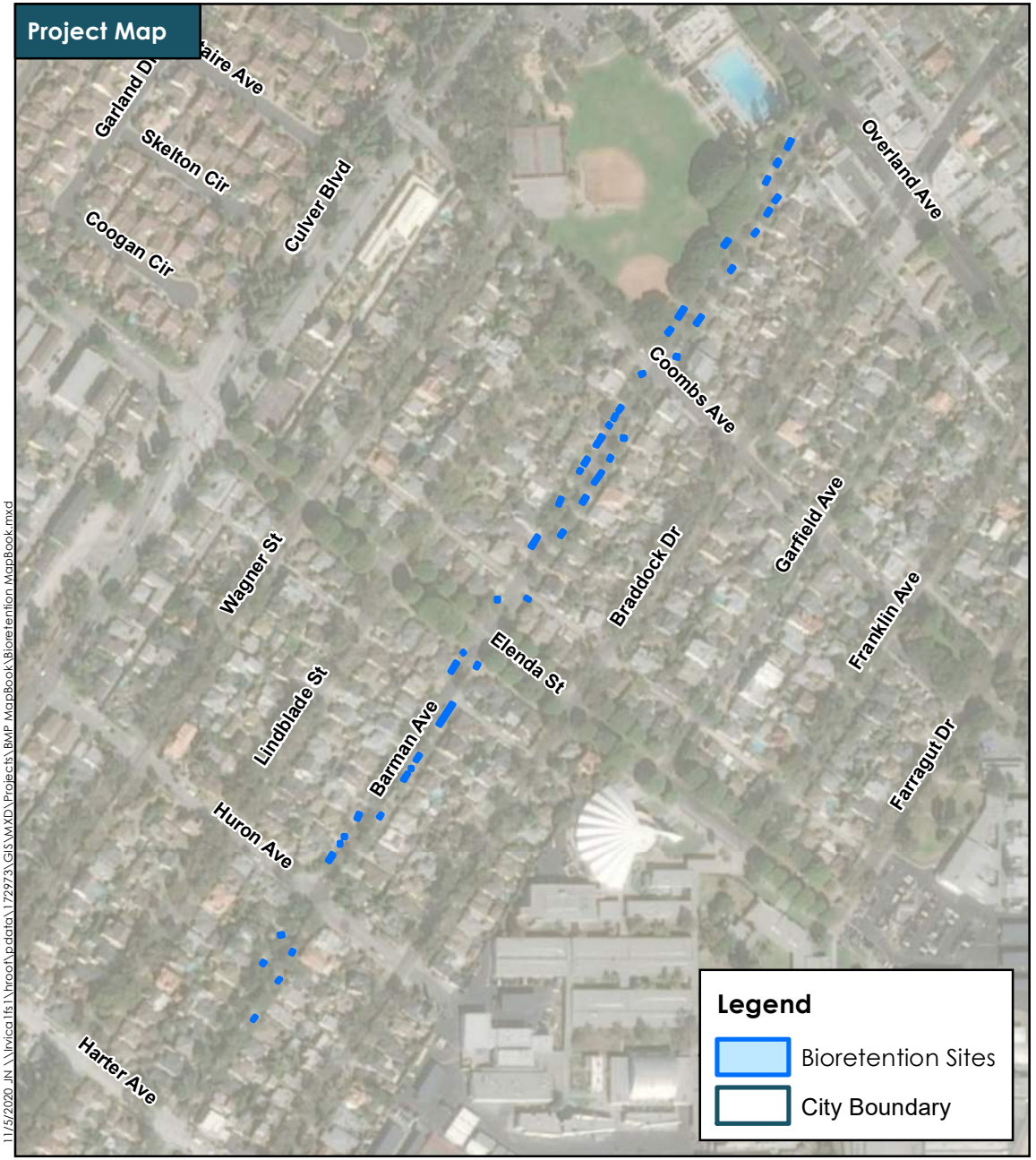
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR202

Project Map



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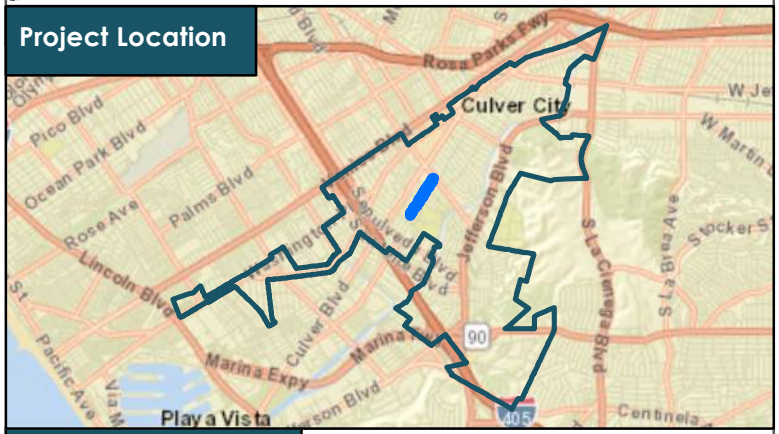
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.11
Drainage Area (ac):		1.37
Depth to Groundwater (ft):		26
EWMP Equivalient Volume (ac-ft):		0.06
Cost Estimate:	$	67,292

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR203

Project Map

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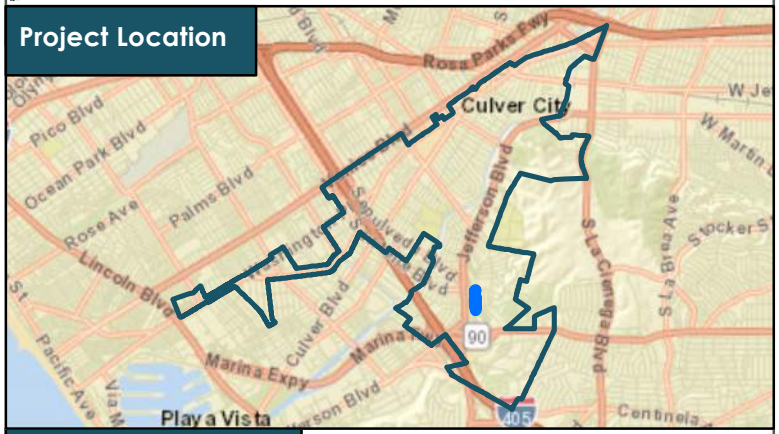
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.07
Drainage Area (ac):		0.85
Depth to Groundwater (ft):		17
EWMP Equivalient Volume (ac-ft):		0.06
Cost Estimate:	$	41,621

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

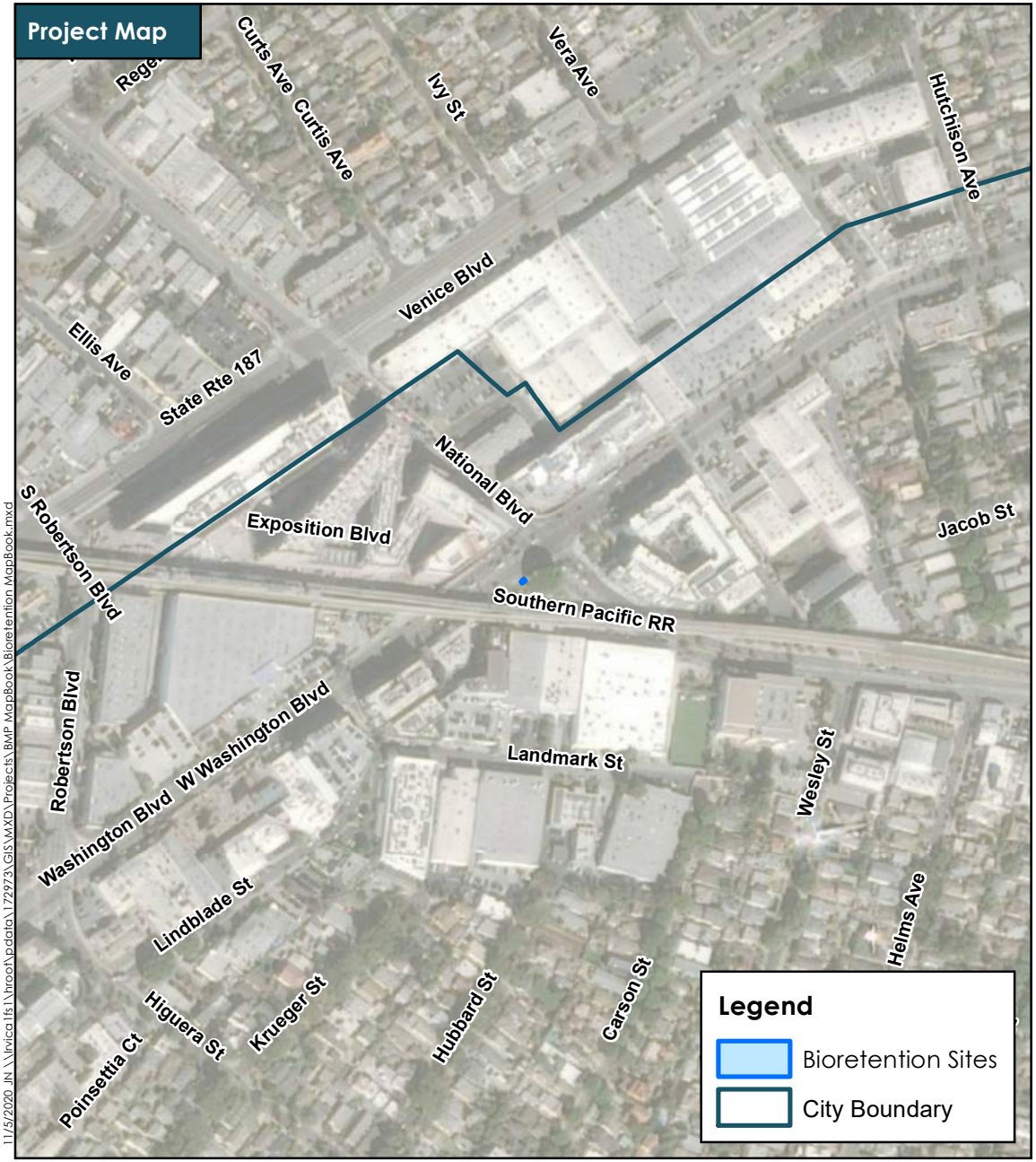
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR204

Project Map

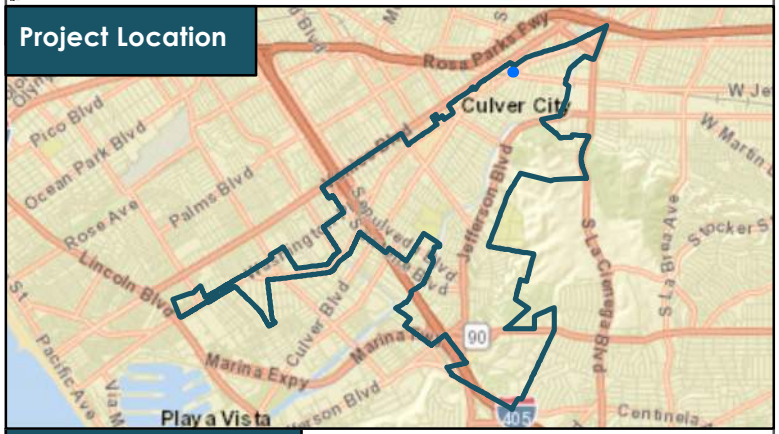


11/5/2020 JN \\Irvlca1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0
Drainage Area (ac):		0.01
Depth to Groundwater (ft):		64
EWMP Equivalient Volume (ac-ft):		0
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

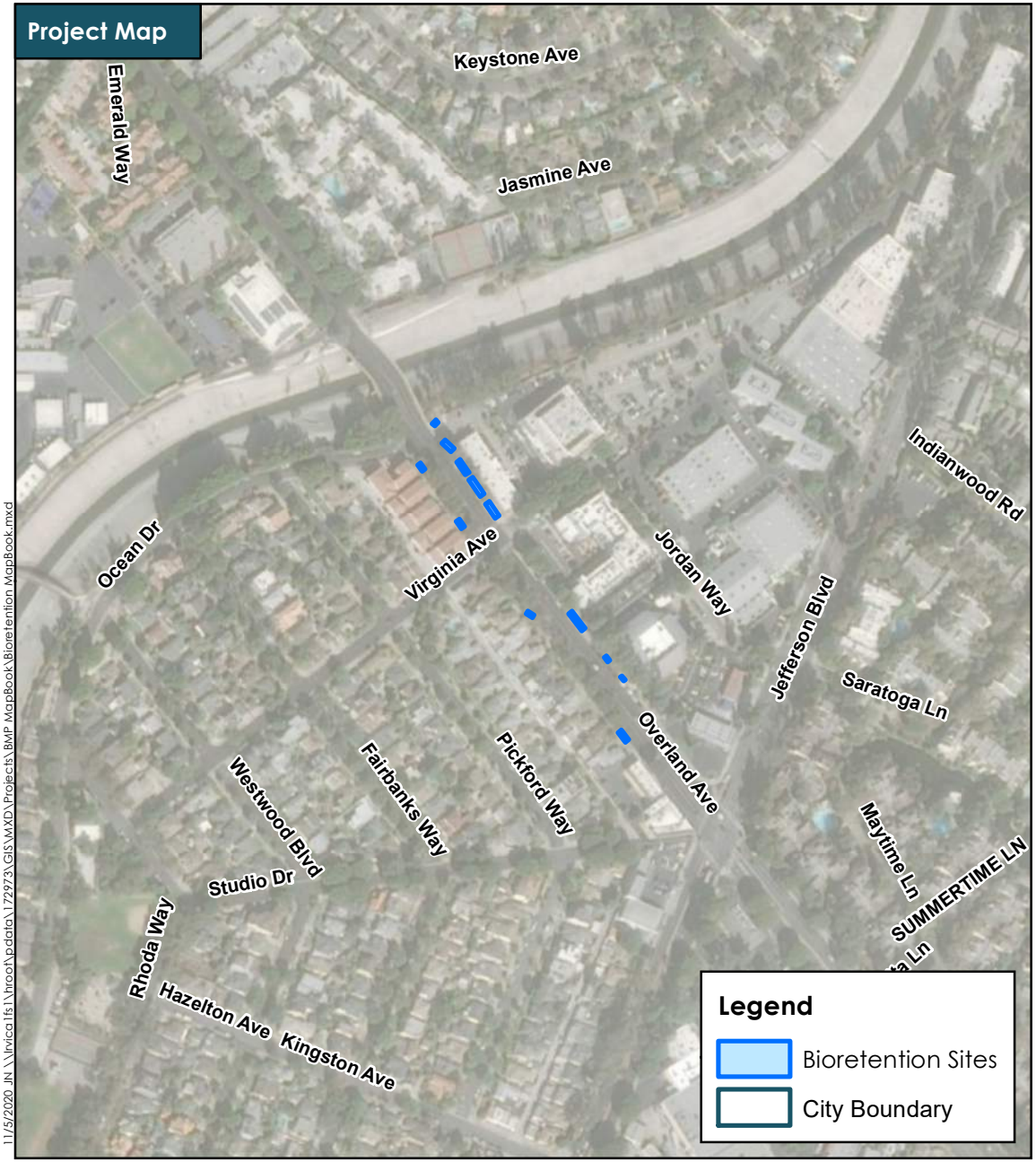
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR205

Project Map



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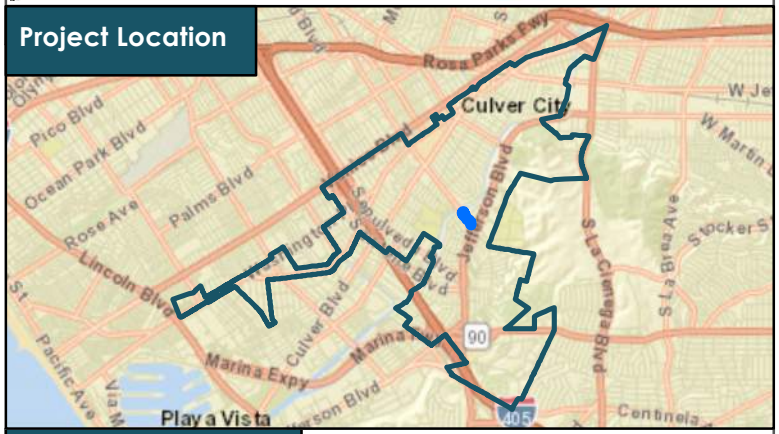
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.12
Drainage Area (ac):		1.44
Depth to Groundwater (ft):		33
EWMP Equivalient Volume (ac-ft):		0.11
Cost Estimate:	$	70,590

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

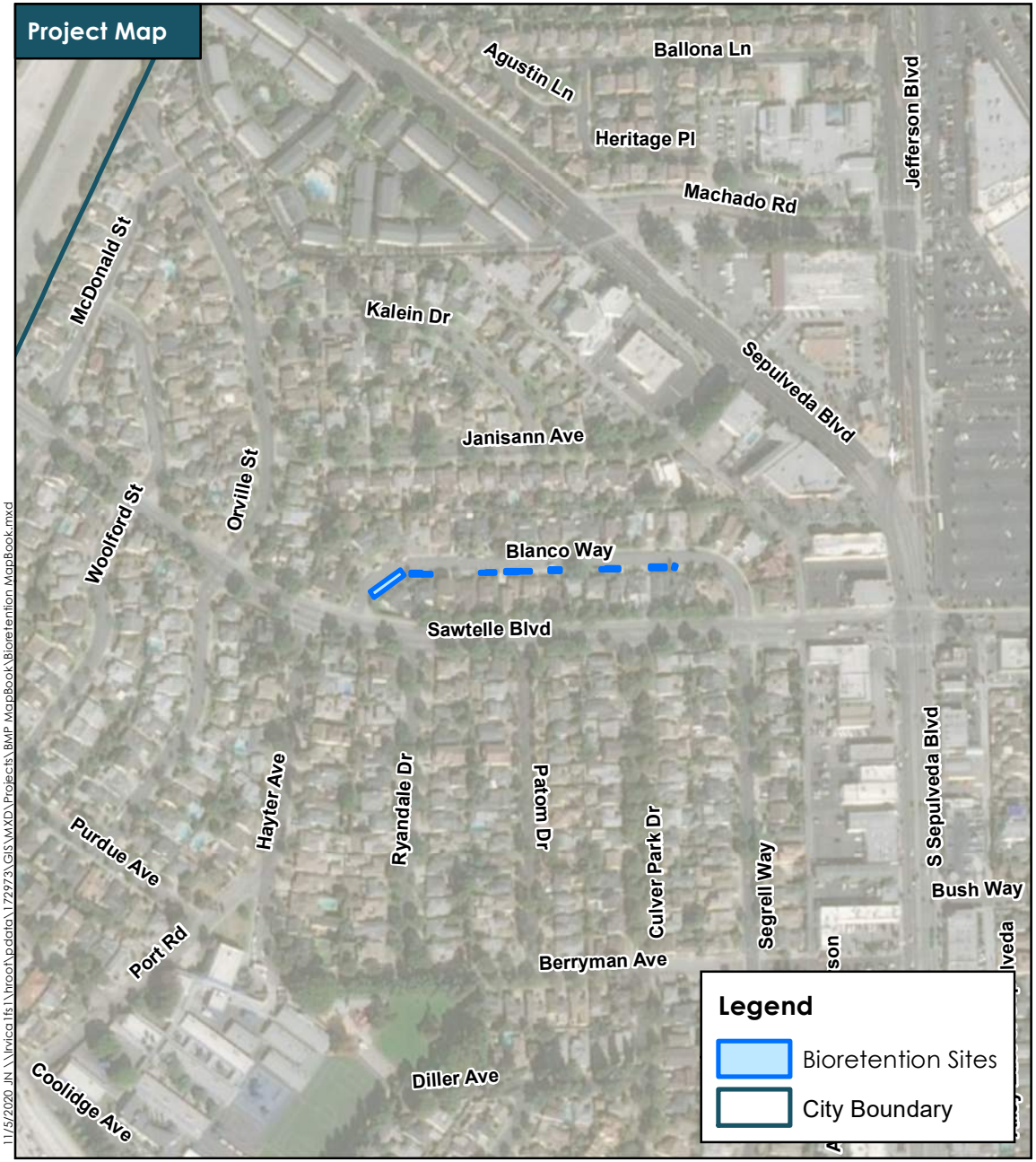
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR206

Project Map



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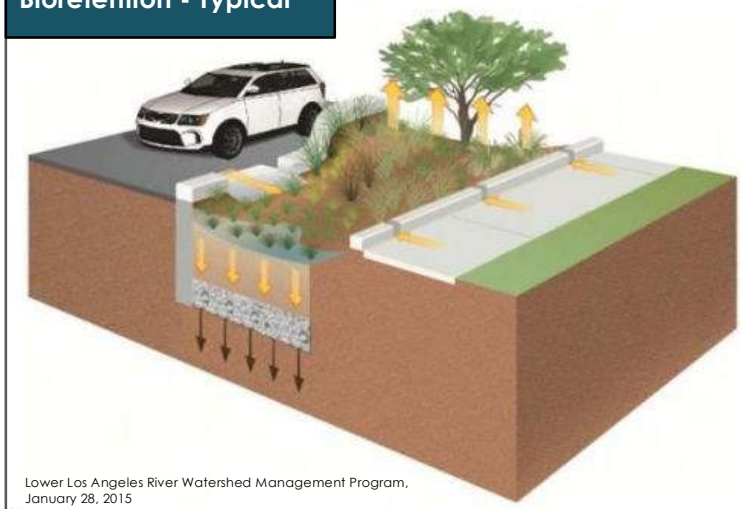
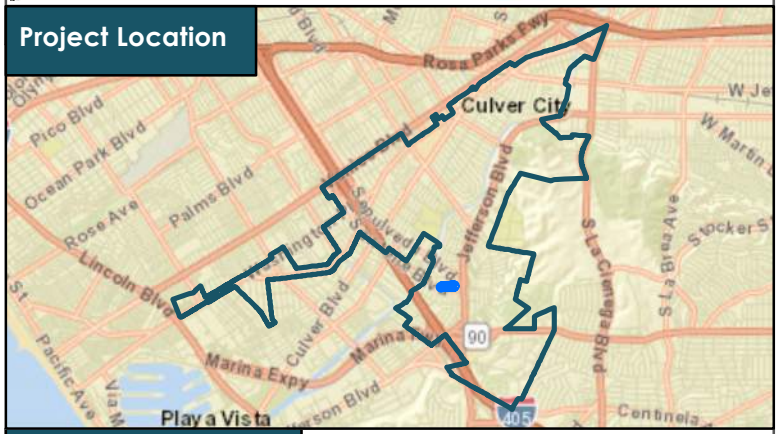
Bioretention - Typical



Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.08
Drainage Area (ac):		0.96
Depth to Groundwater (ft):		19
EWMP Equivalient Volume (ac-ft):		0.07
Cost Estimate:	$	46,846

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

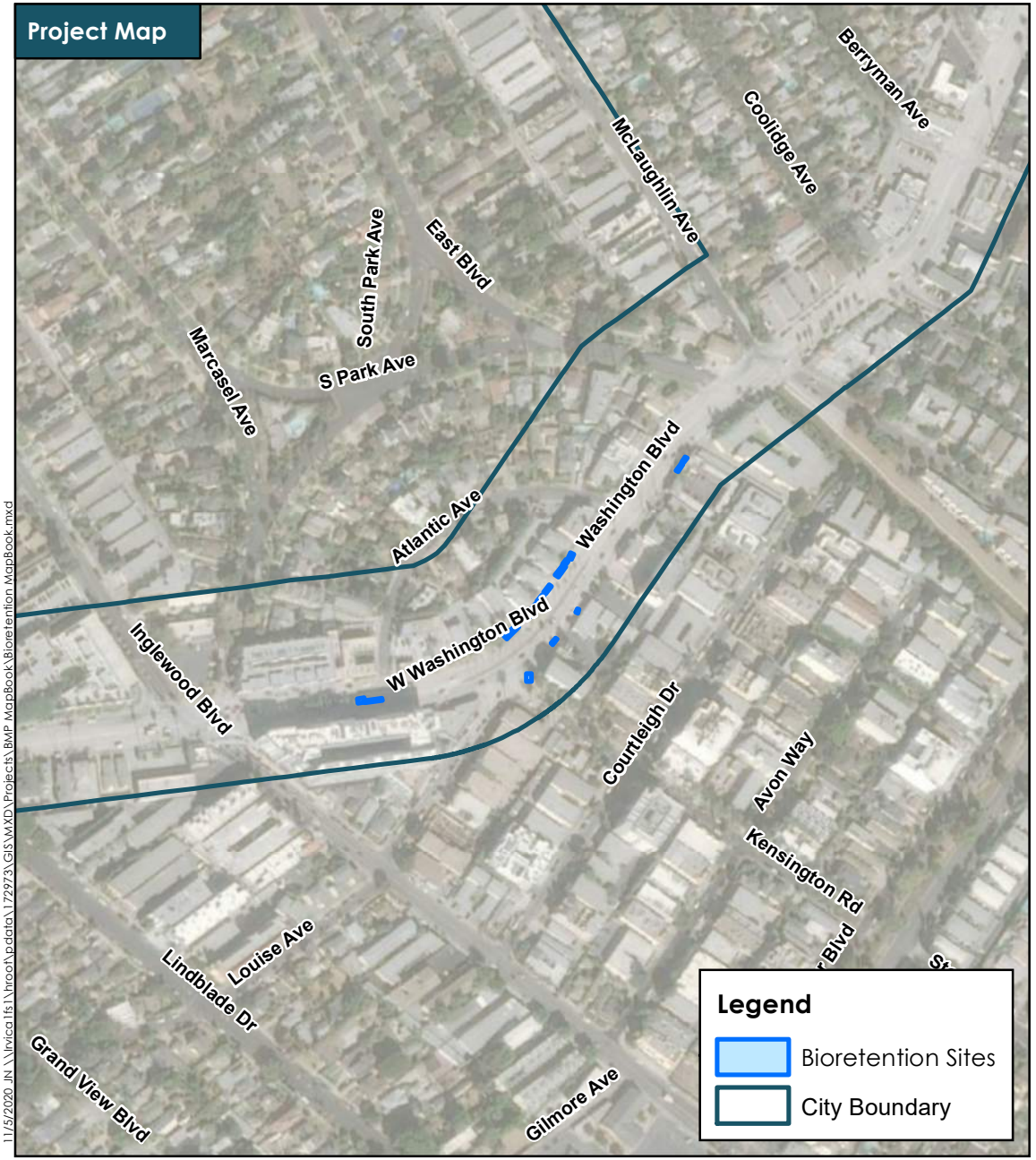
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR207

Project Map



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Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location

Project Information

Storage Capcity (ac-ft):		0.07
Drainage Area (ac):		0.9
Depth to Groundwater (ft):		36
EWMP Equivalient Volume (ac-ft):		0.03
Cost Estimate:	$	43,999

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

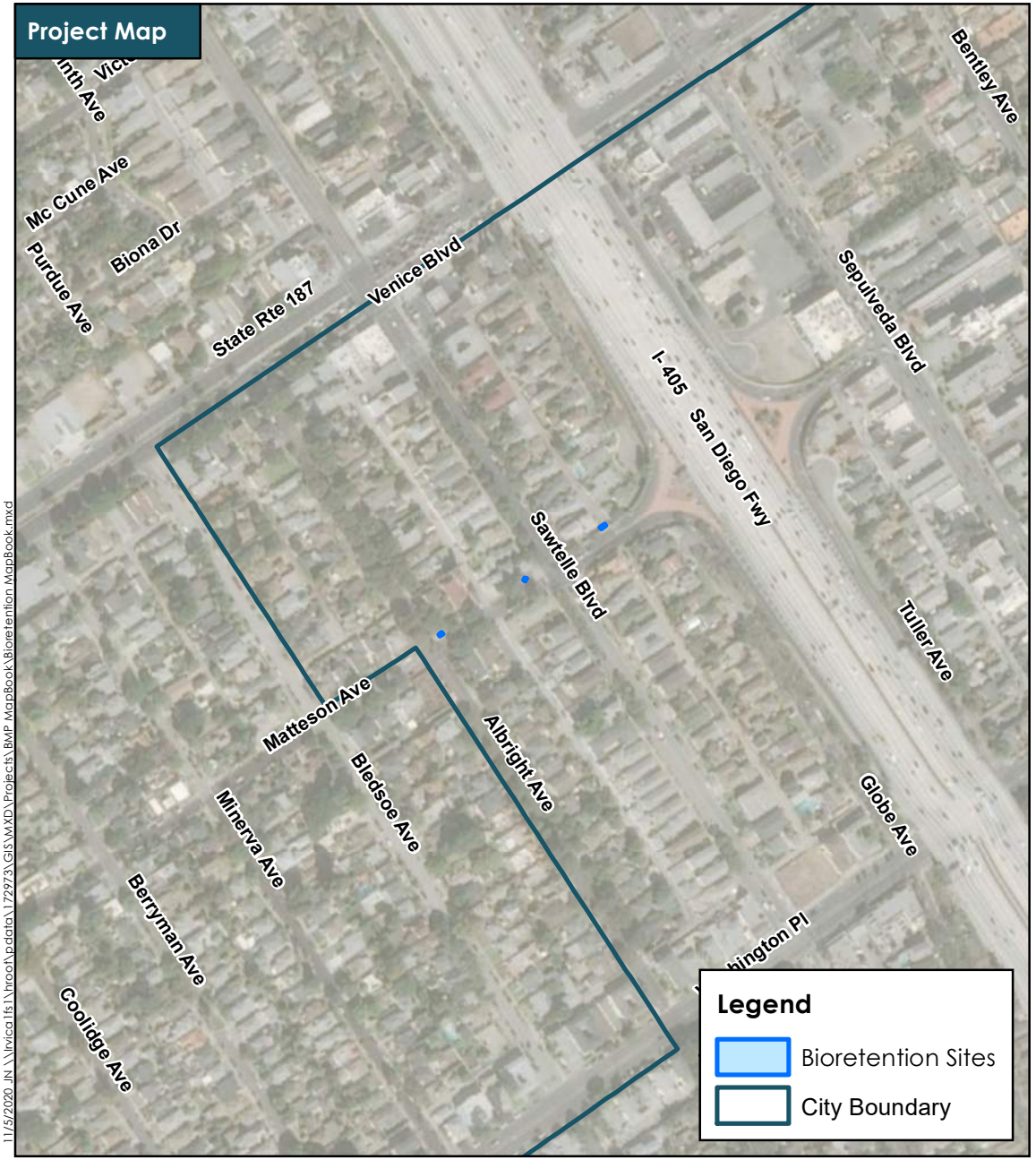
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR208

Project Map



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Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location

Project Information

Storage Capcity (ac-ft):		0
Drainage Area (ac):		0.04
Depth to Groundwater (ft):		42
EWMP Equivalient Volume (ac-ft):		0
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR209

Project Map

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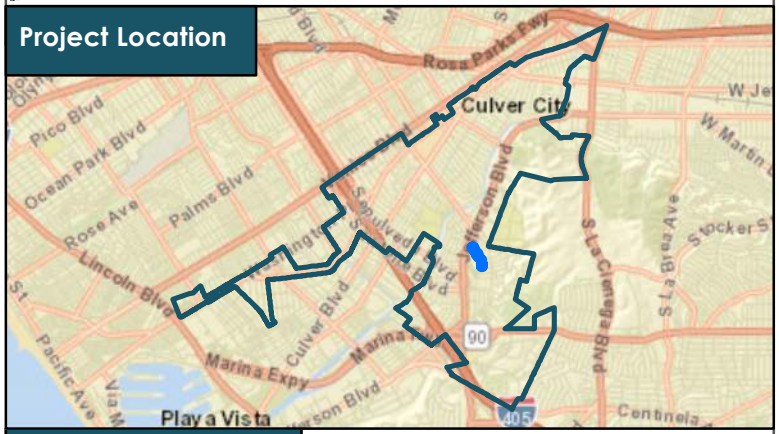
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.05
Drainage Area (ac):		0.62
Depth to Groundwater (ft):		30
EWMP Equivalient Volume (ac-ft):		0.05
Cost Estimate:	$	30,531

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

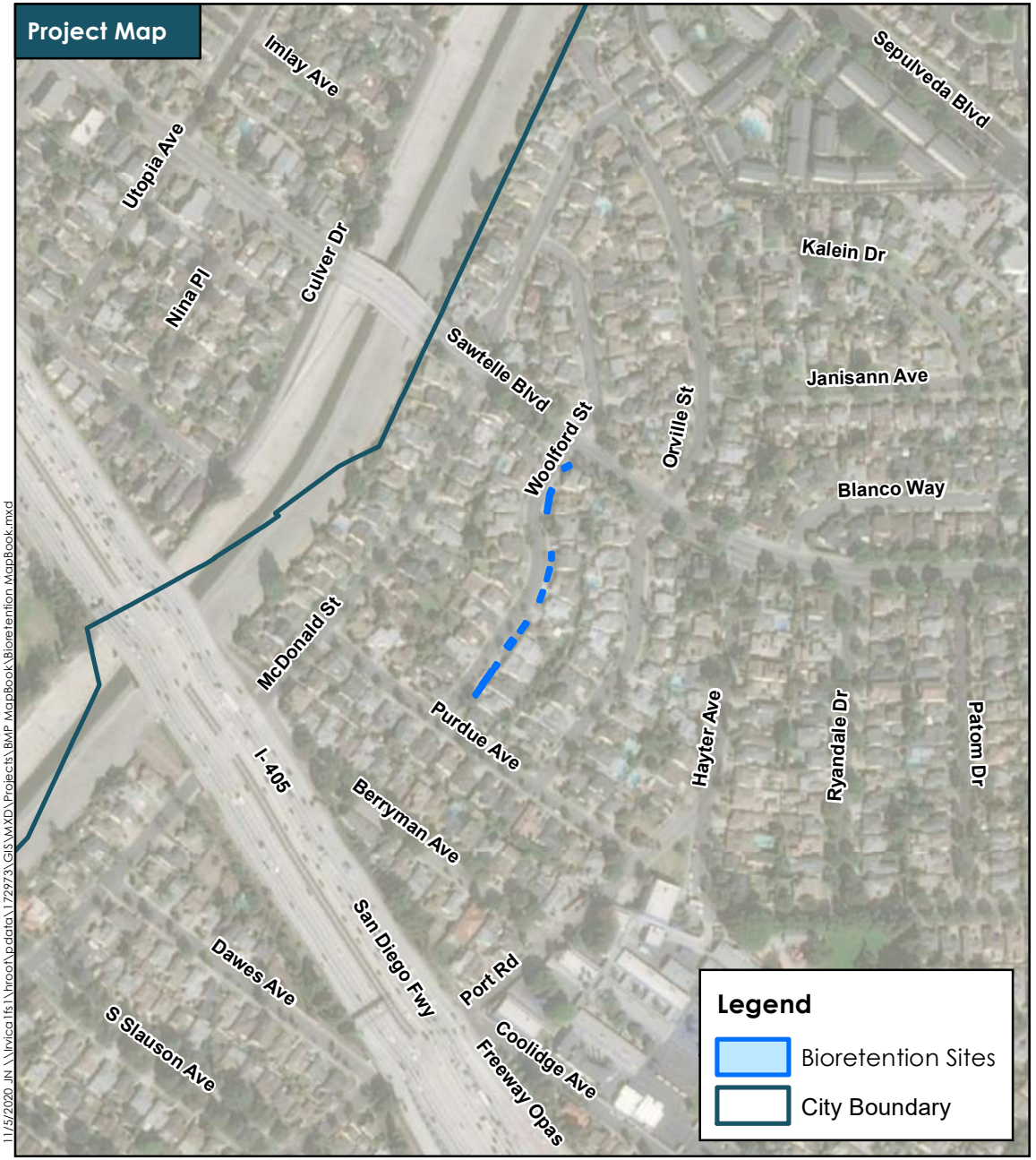
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR210

Project Map

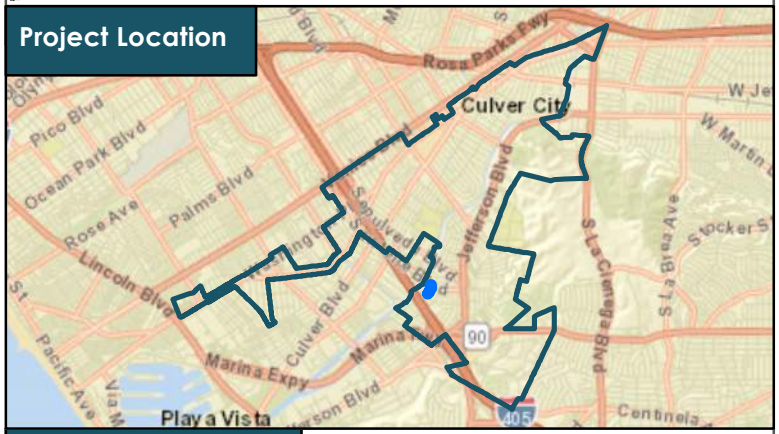


11/5/2020 JN \\Irvlcal1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.06
Drainage Area (ac):		0.77
Depth to Groundwater (ft):		18
EWMP Equivalient Volume (ac-ft):		0.06
Cost Estimate:	$	37,723

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

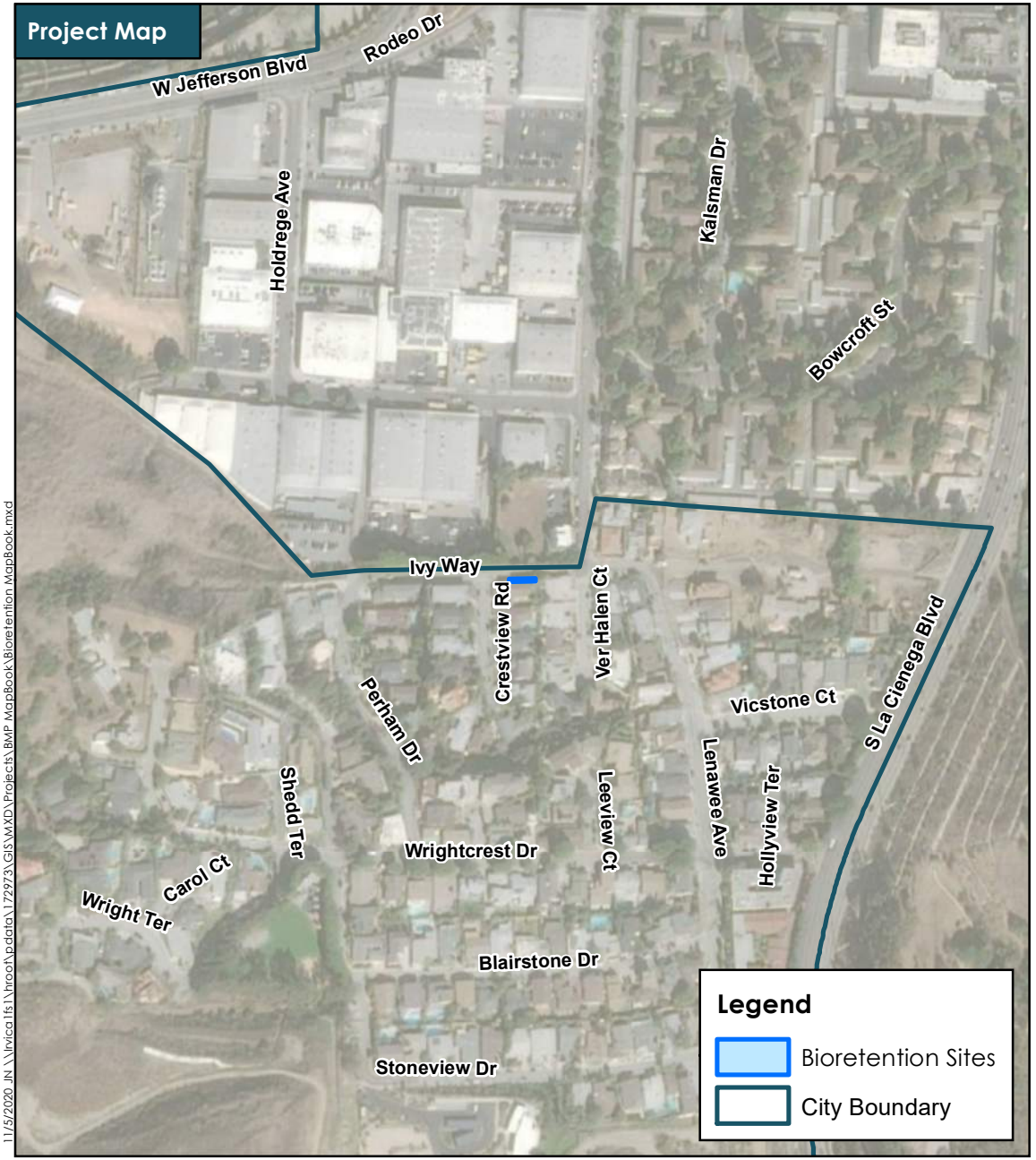
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR211

Project Map

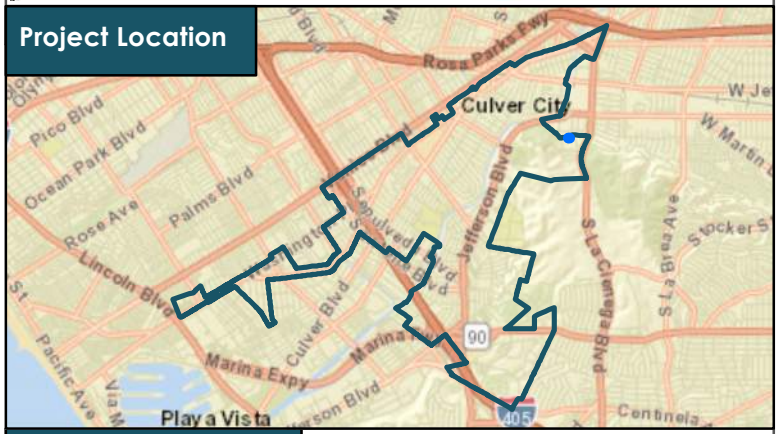


11/5/2020 JN \\Irvlcal1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.01
Drainage Area (ac):		0.09
Depth to Groundwater (ft):		75
EWMP Equivalient Volume (ac-ft):		0
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

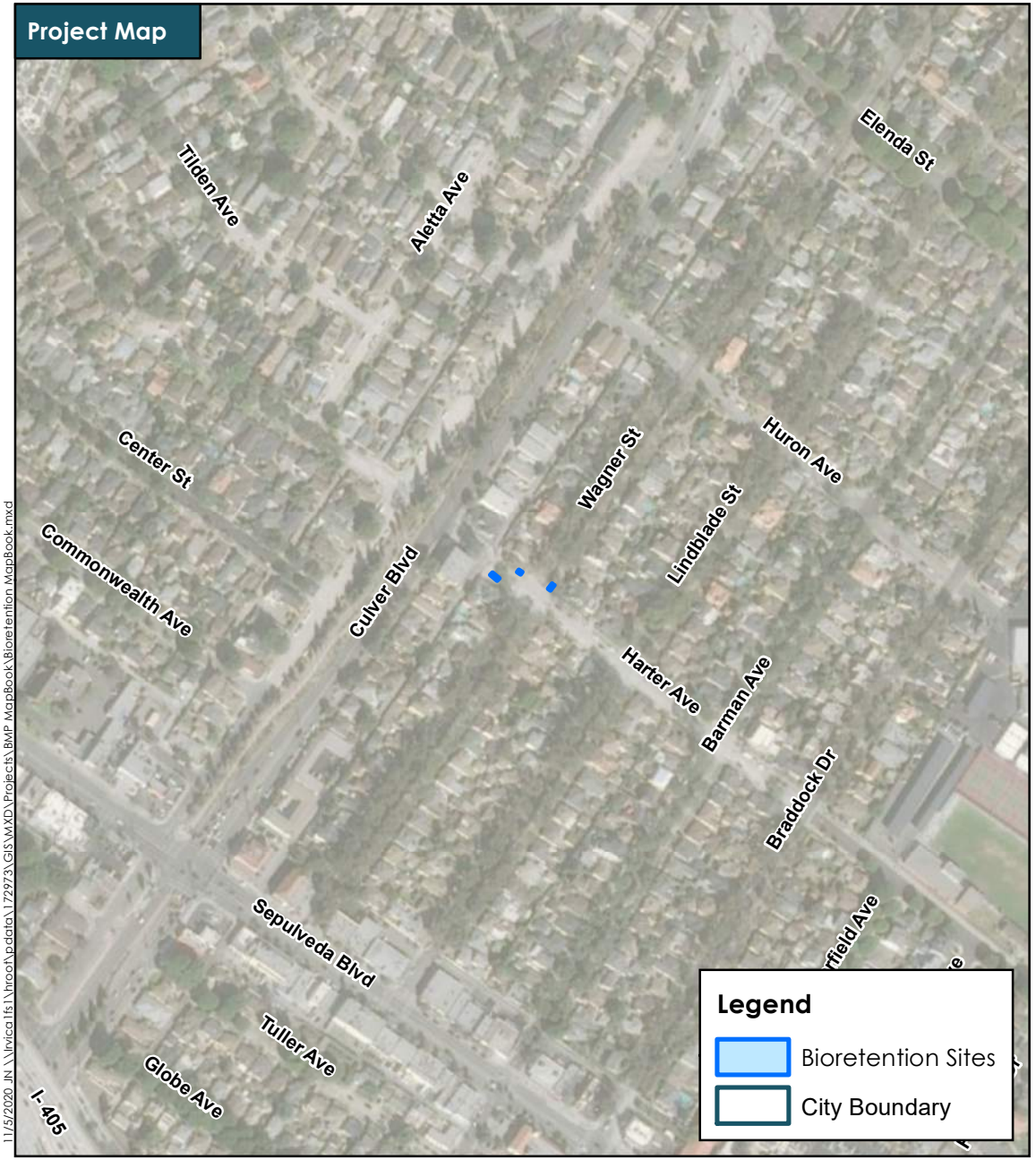
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR212

Project Map



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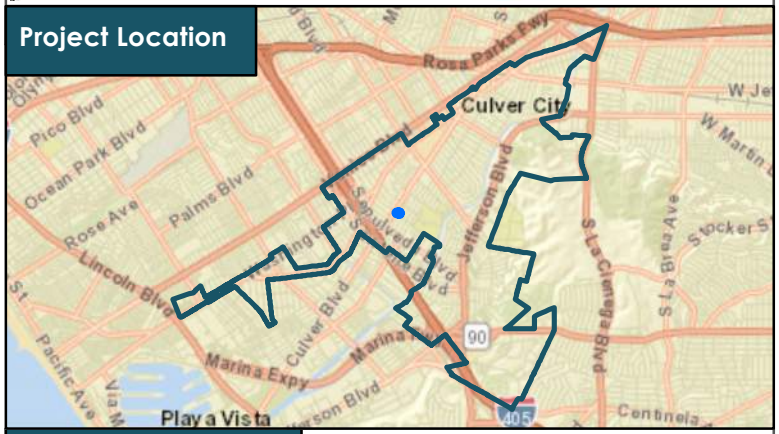
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.01
Drainage Area (ac):		0.1
Depth to Groundwater (ft):		22
EWMP Equivalient Volume (ac-ft):		0
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

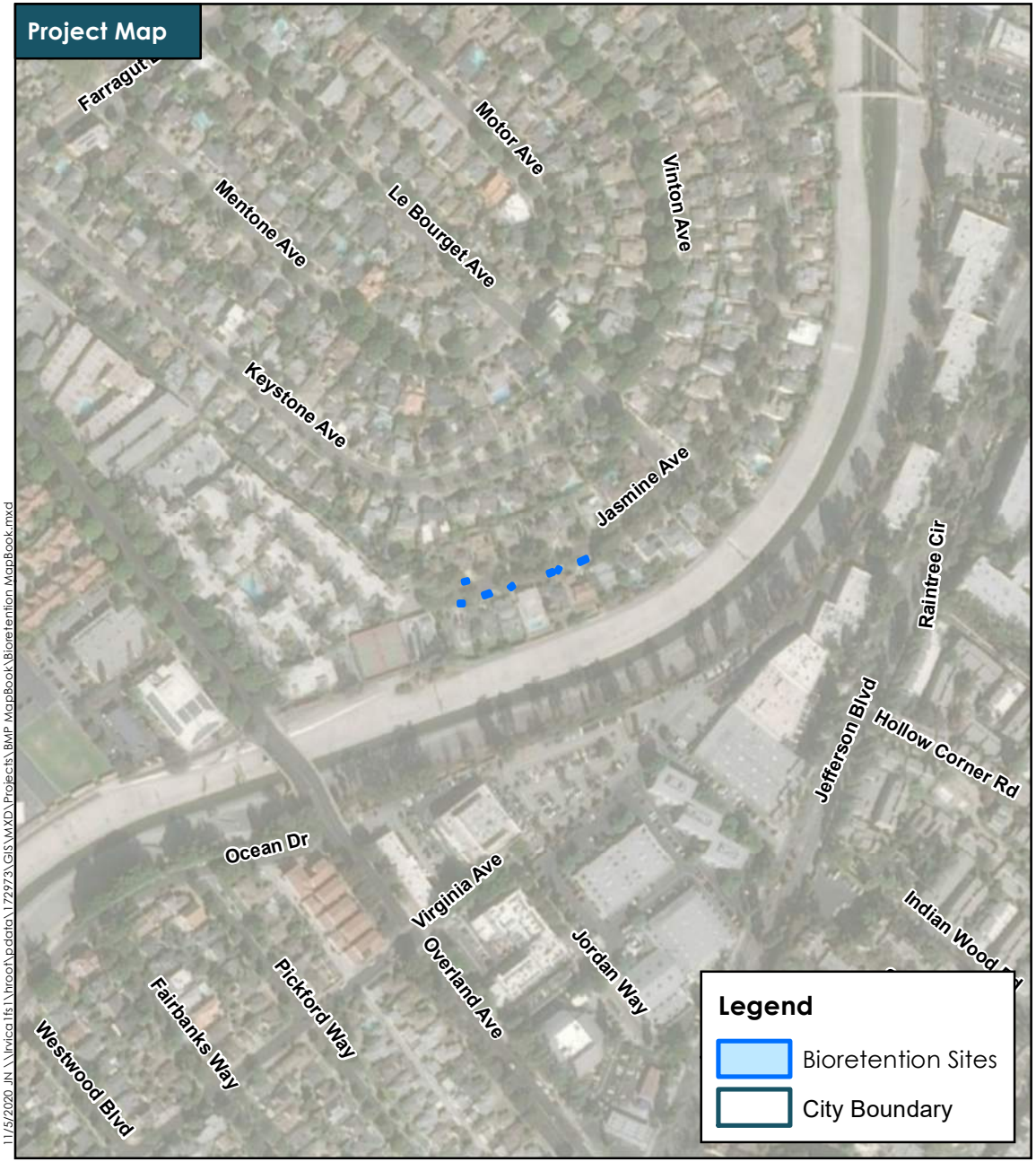
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR213

Project Map

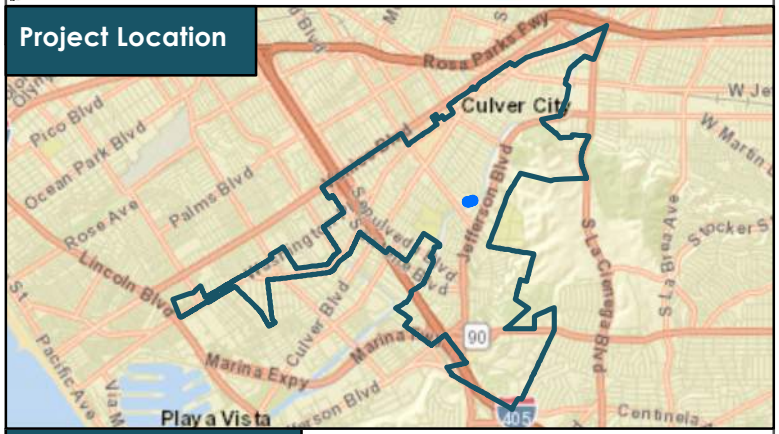


11/5/2020 JN \\Irvlca1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.02
Drainage Area (ac):		0.23
Depth to Groundwater (ft):		25
EWMP Equivalient Volume (ac-ft):		0.01
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

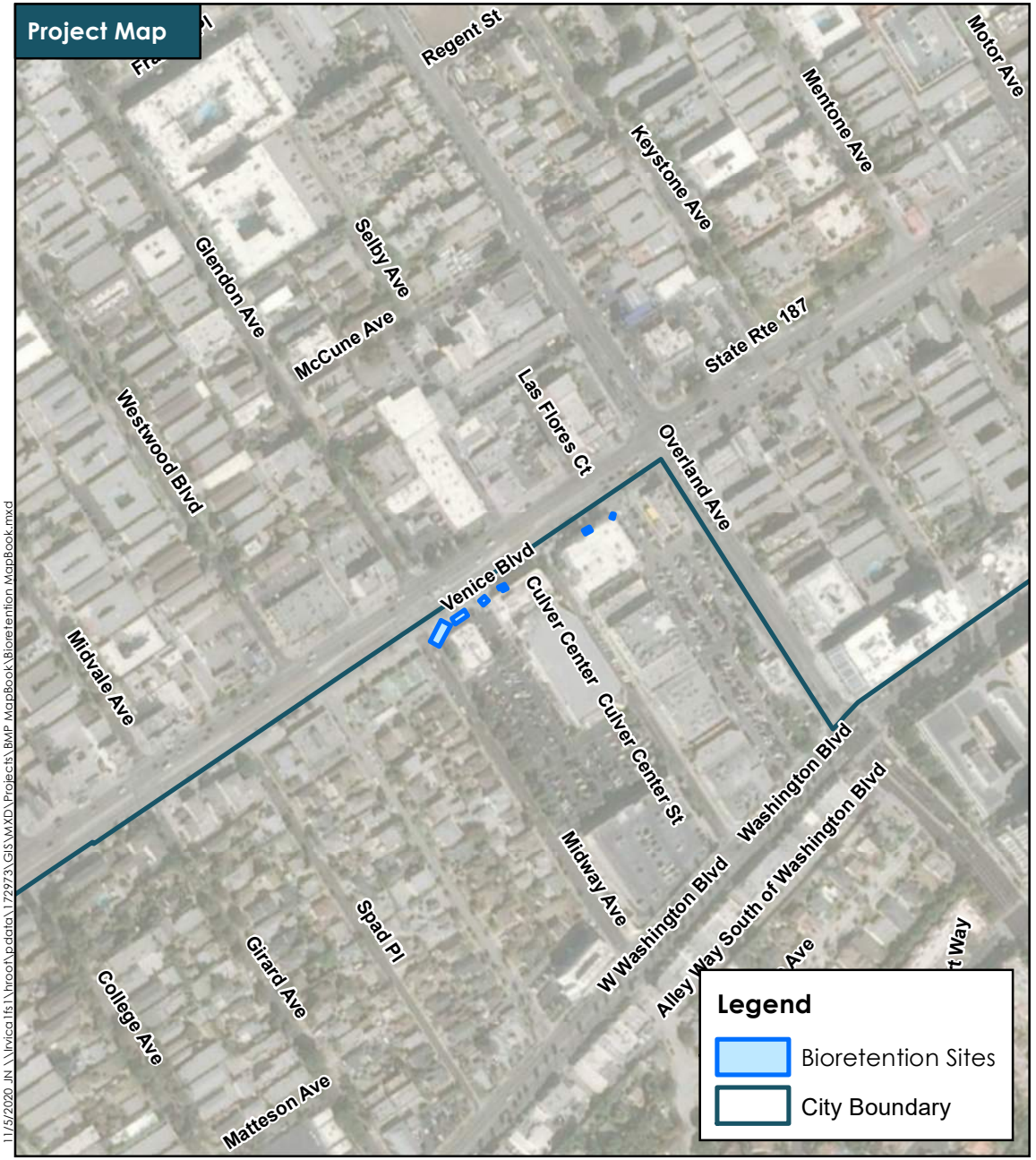
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR214

Project Map

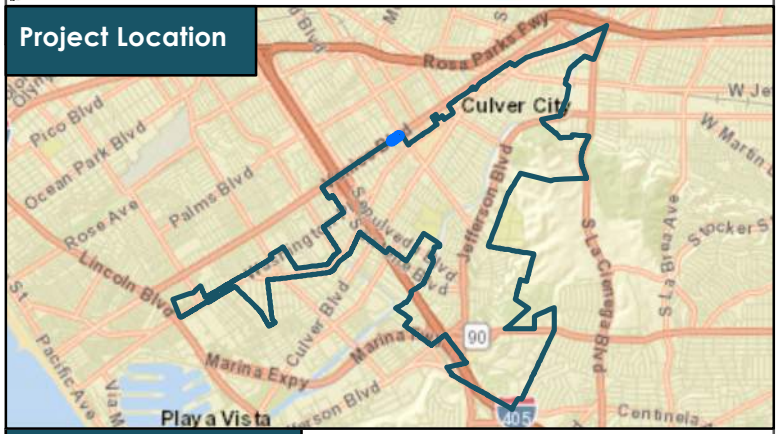


11/5/2020 JN \\Irvlcal1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.05
Drainage Area (ac):		0.65
Depth to Groundwater (ft):		65
EWMP Equivalient Volume (ac-ft):		0.03
Cost Estimate:	$	31,623

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

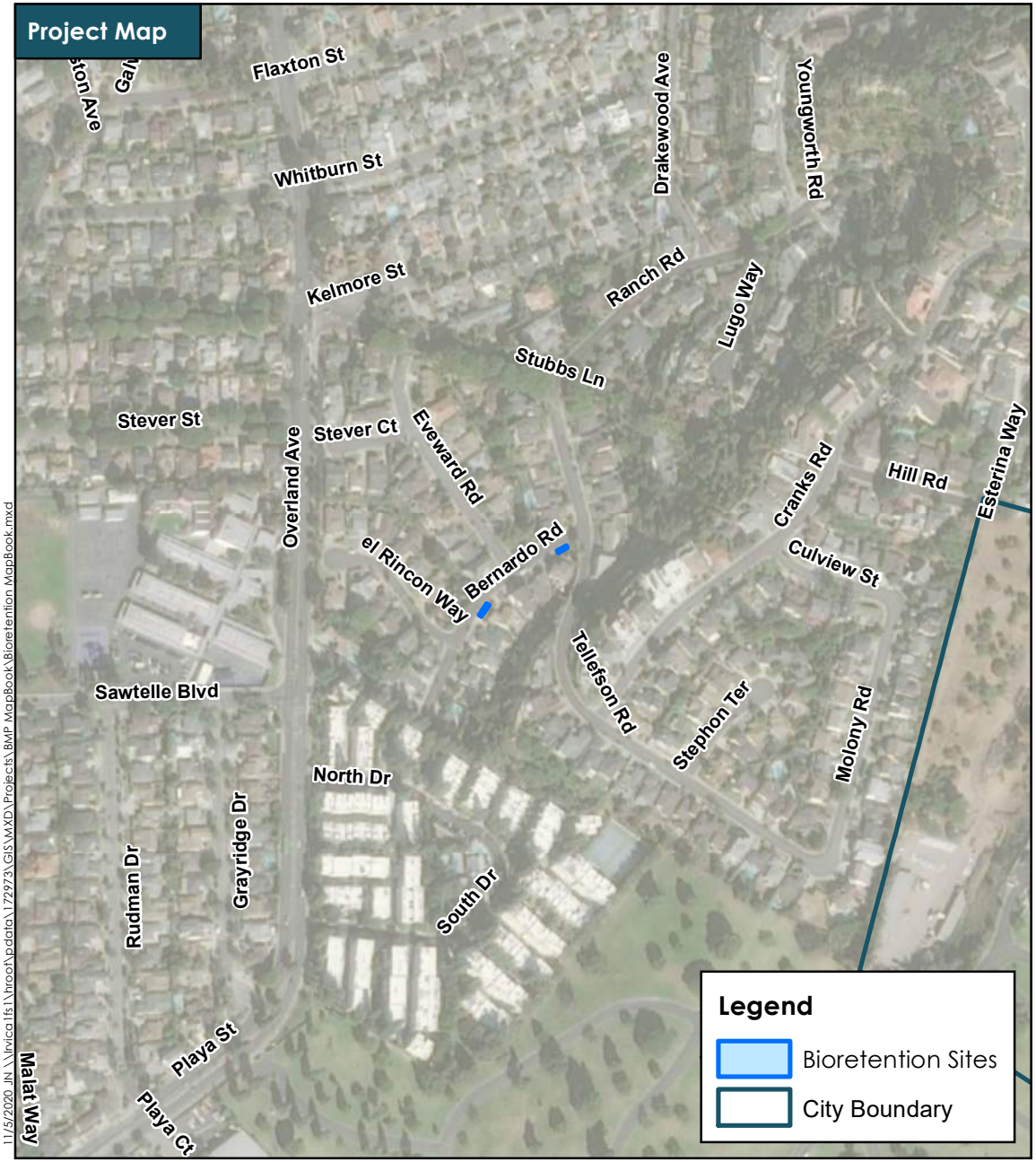
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR215

Project Map



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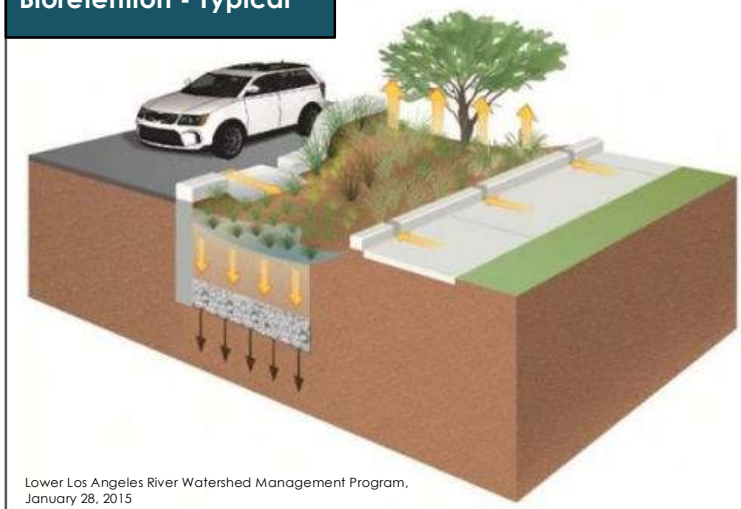
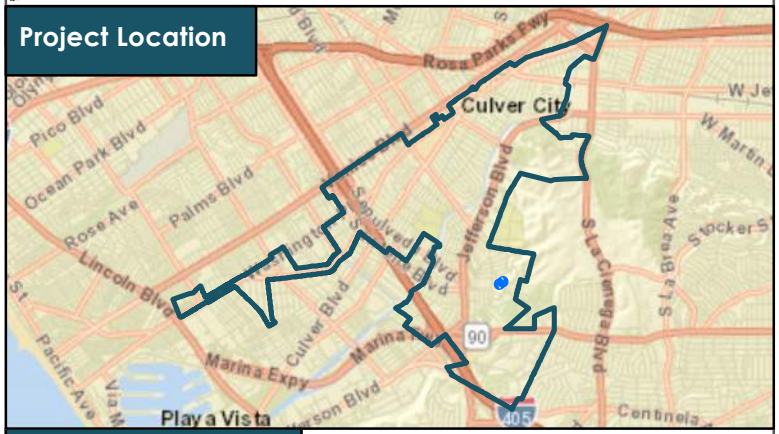
Bioretention - Typical



Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.01
Drainage Area (ac):		0.09
Depth to Groundwater (ft):		43
EWMP Equivalient Volume (ac-ft):		0.01
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

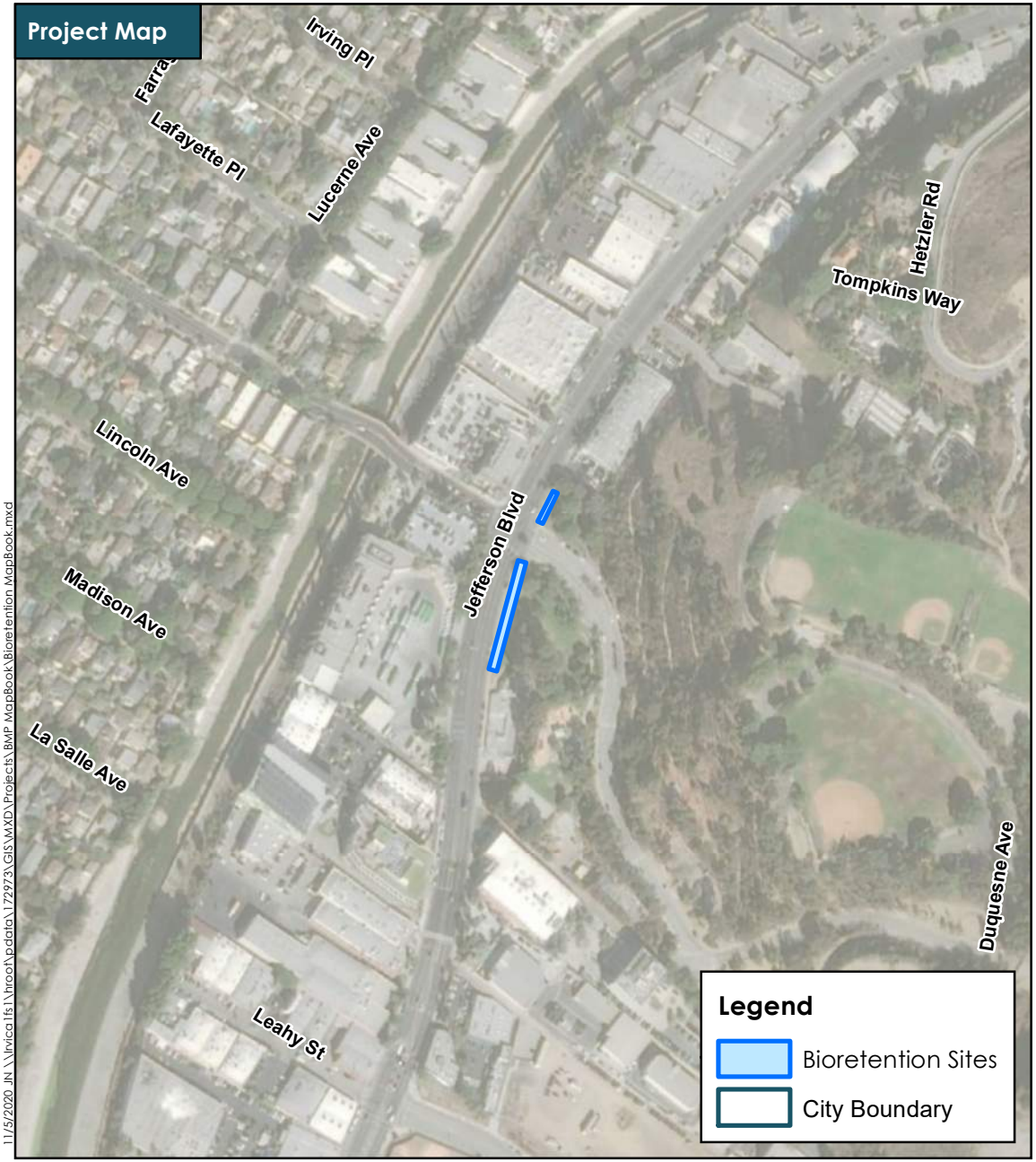
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

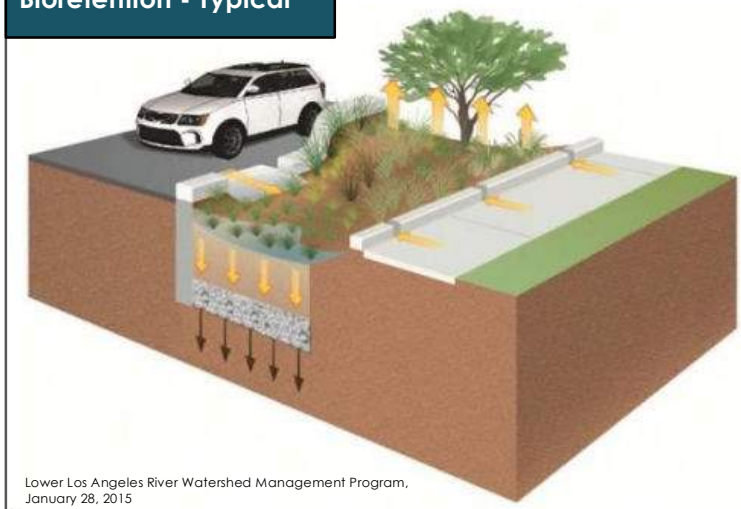
Bioretention Site: BR216

Project Map



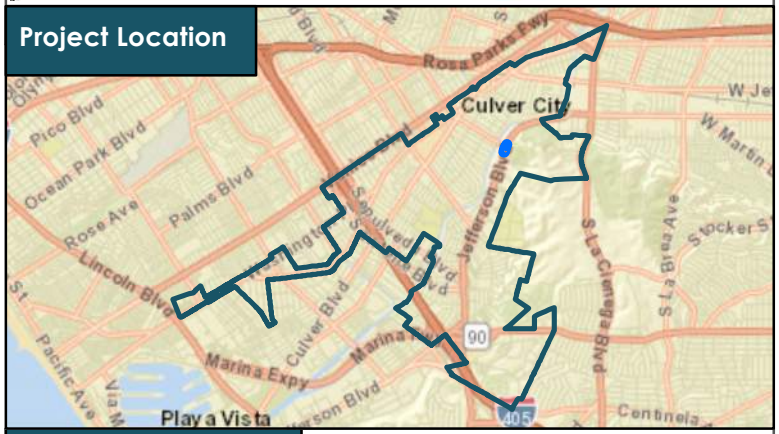
11/5/2020 JN \\Irvlca1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical



Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.15
Drainage Area (ac):		1.83
Depth to Groundwater (ft):		42
EWMP Equivalient Volume (ac-ft):		0.16
Cost Estimate:	$	89,665

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

0 200 400 Feet

Source: City of Culver City

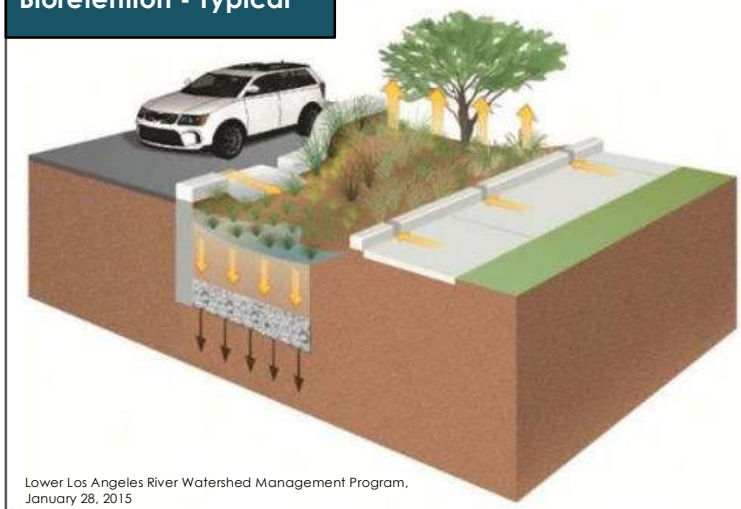
CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR217

Project Map

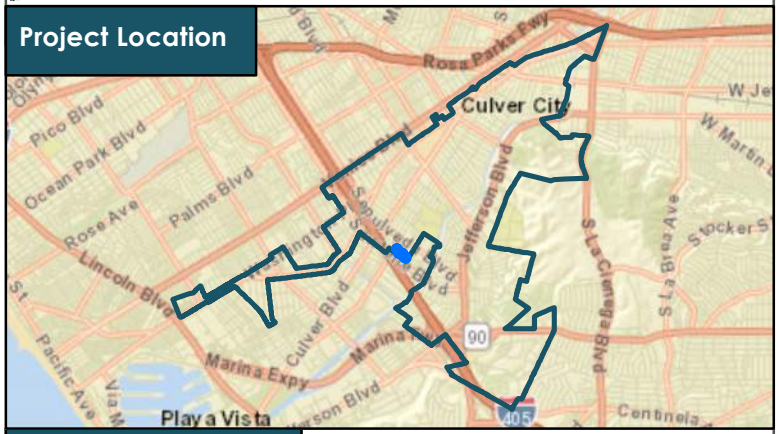
11/5/2020 JN \\Irvlcal1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical



Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.06
Drainage Area (ac):		0.75
Depth to Groundwater (ft):		17
EWMP Equivalient Volume (ac-ft):		0.03
Cost Estimate:	$	36,944

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR218

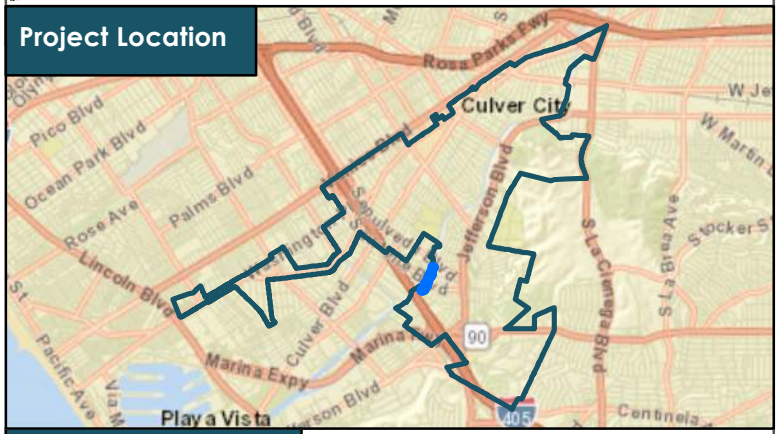
Project Map

11/5/2020 JN \\Irvlca1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.11
Drainage Area (ac):		1.3
Depth to Groundwater (ft):		20
EWMP Equivalient Volume (ac-ft):		0.1
Cost Estimate:	$	63,664

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

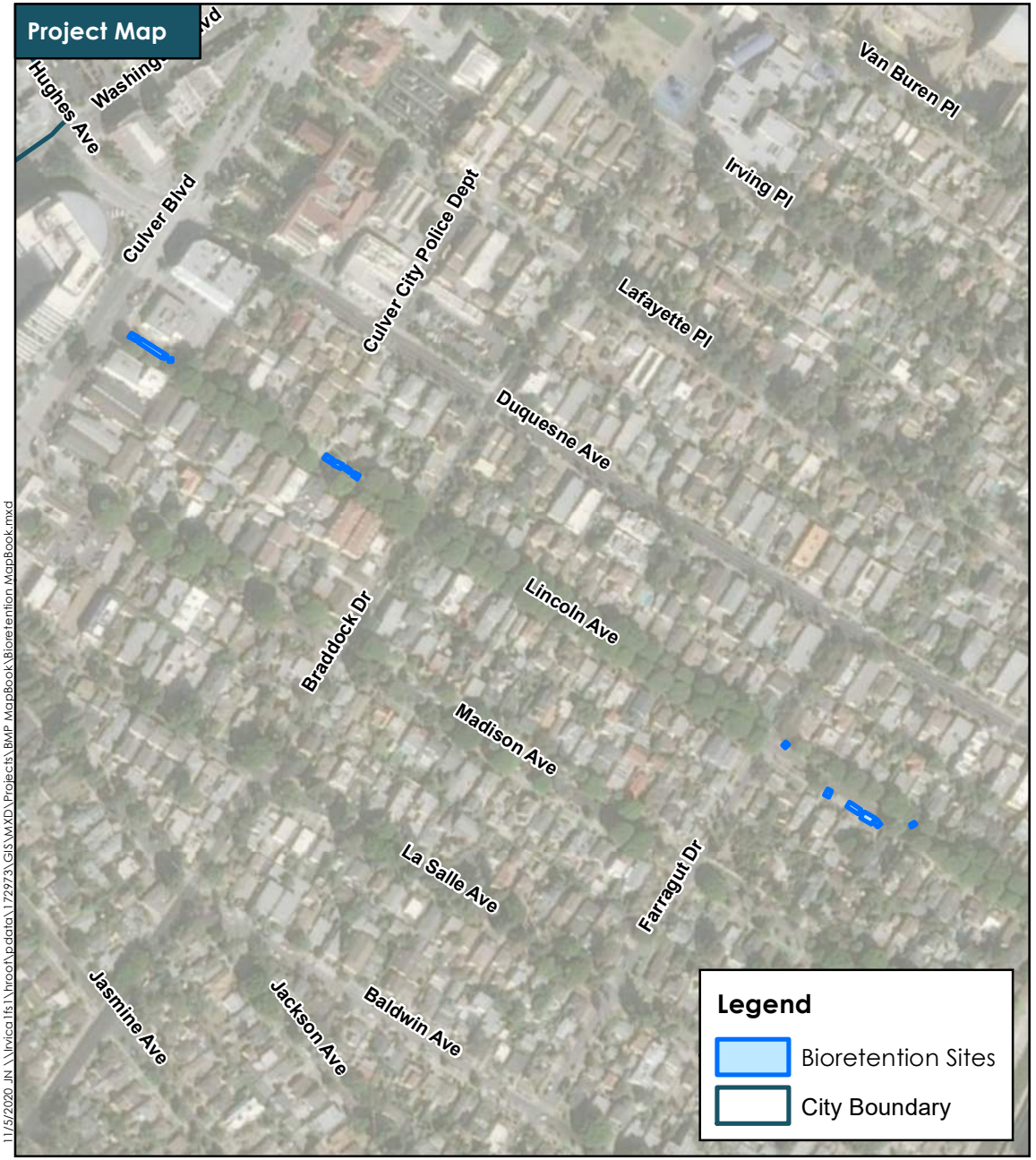
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR219

Project Map



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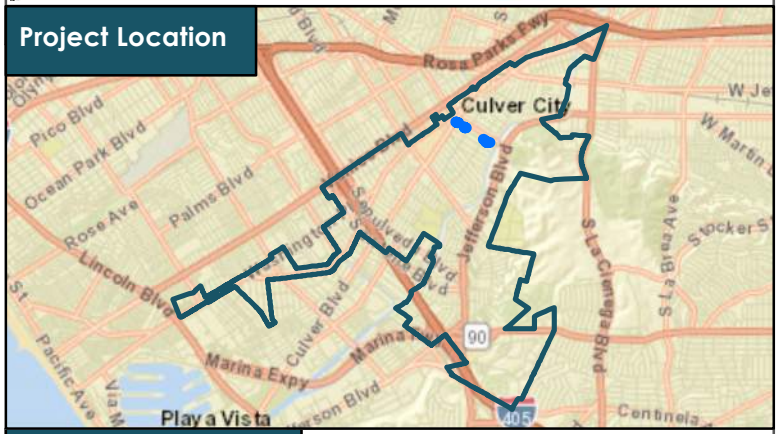
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.1
Drainage Area (ac):		1.18
Depth to Groundwater (ft):		45
EWMP Equivalient Volume (ac-ft):		0.03
Cost Estimate:	$	57,605

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

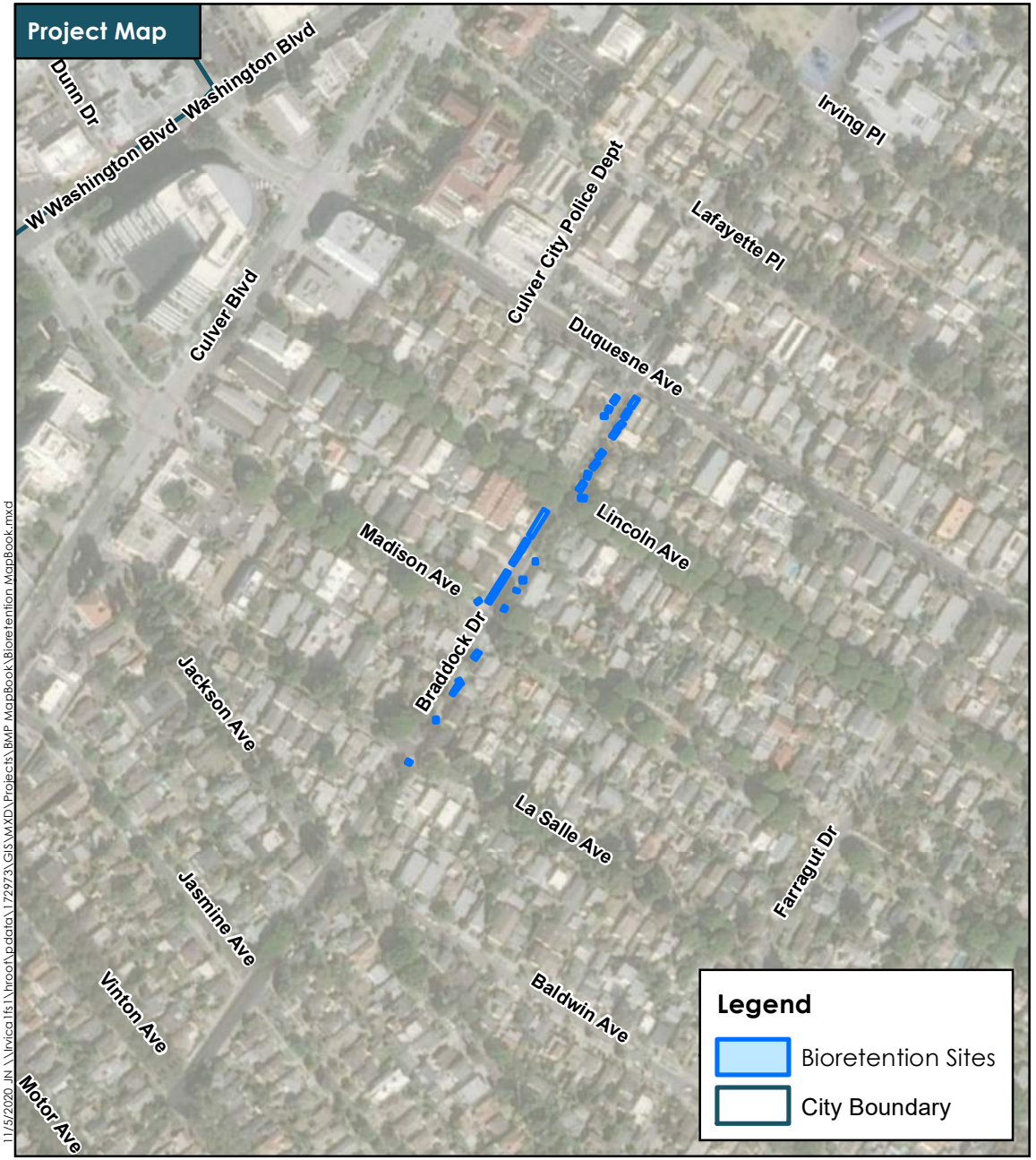
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR220

Project Map



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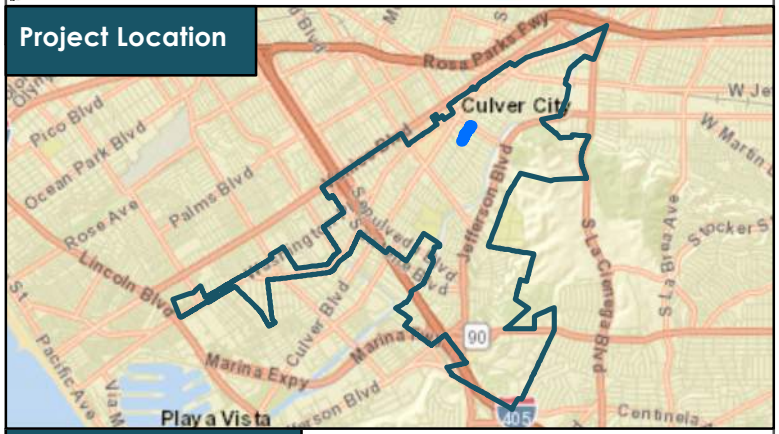
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.2
Drainage Area (ac):		2.43
Depth to Groundwater (ft):		27
EWMP Equivalient Volume (ac-ft):		0.07
Cost Estimate:	$	119,223

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR221

Project Map

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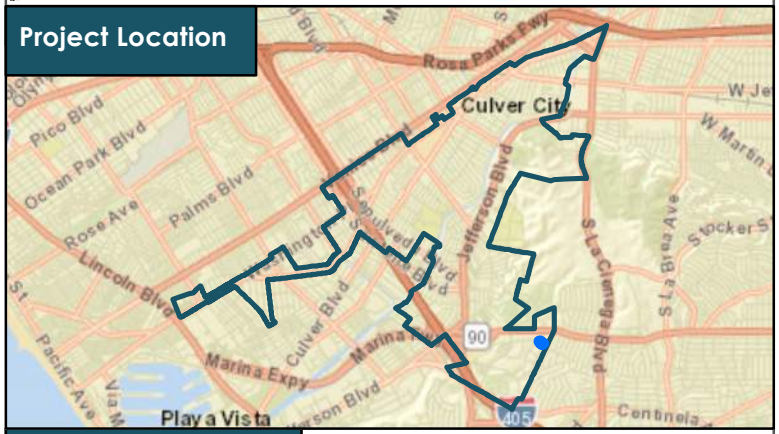
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.04
Drainage Area (ac):		0.52
Depth to Groundwater (ft):		110
EWMP Equivalient Volume (ac-ft):		0.01
Cost Estimate:	$	25,499

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

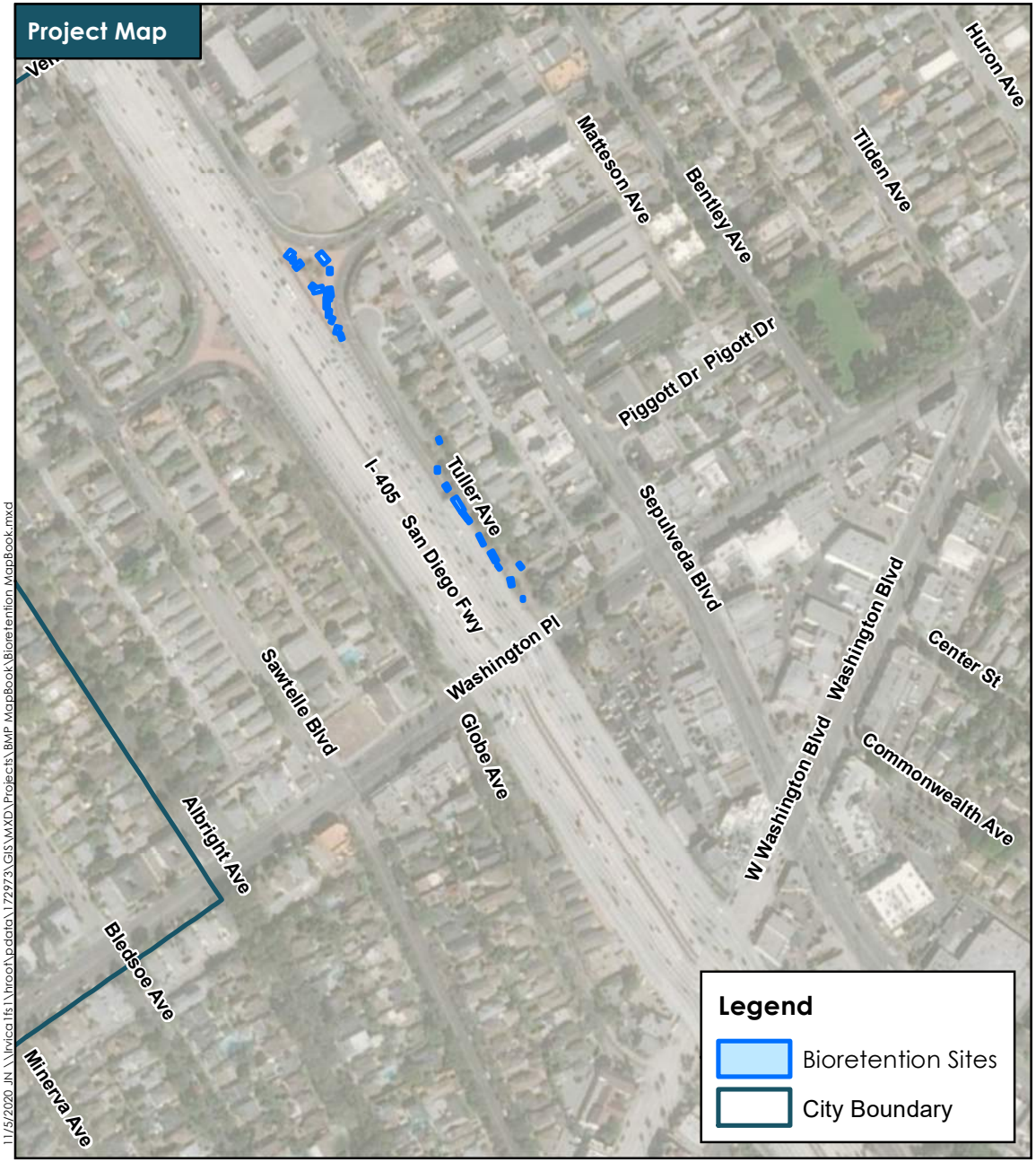
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR222

Project Map



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Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location

Project Information

Storage Capcity (ac-ft):		0.14
Drainage Area (ac):		1.74
Depth to Groundwater (ft):		45
EWMP Equivalient Volume (ac-ft):		0.08
Cost Estimate:	$	85,422

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

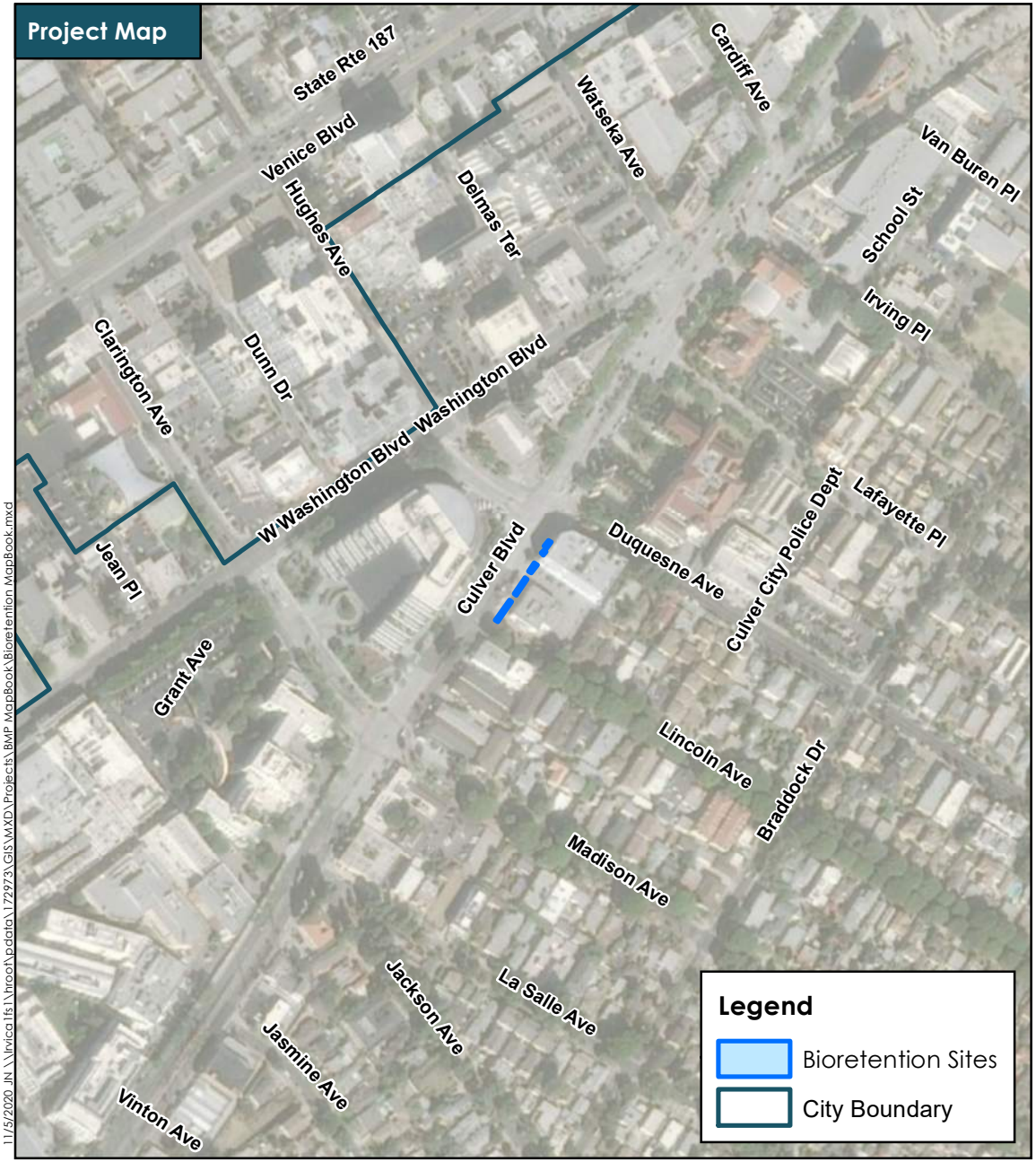
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR223

Project Map



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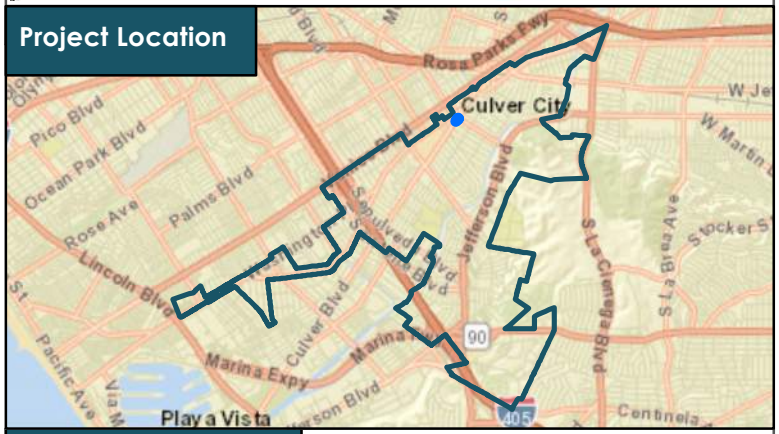
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.04
Drainage Area (ac):		0.45
Depth to Groundwater (ft):		48
EWMP Equivalient Volume (ac-ft):		0.01
Cost Estimate:	$	22,278

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

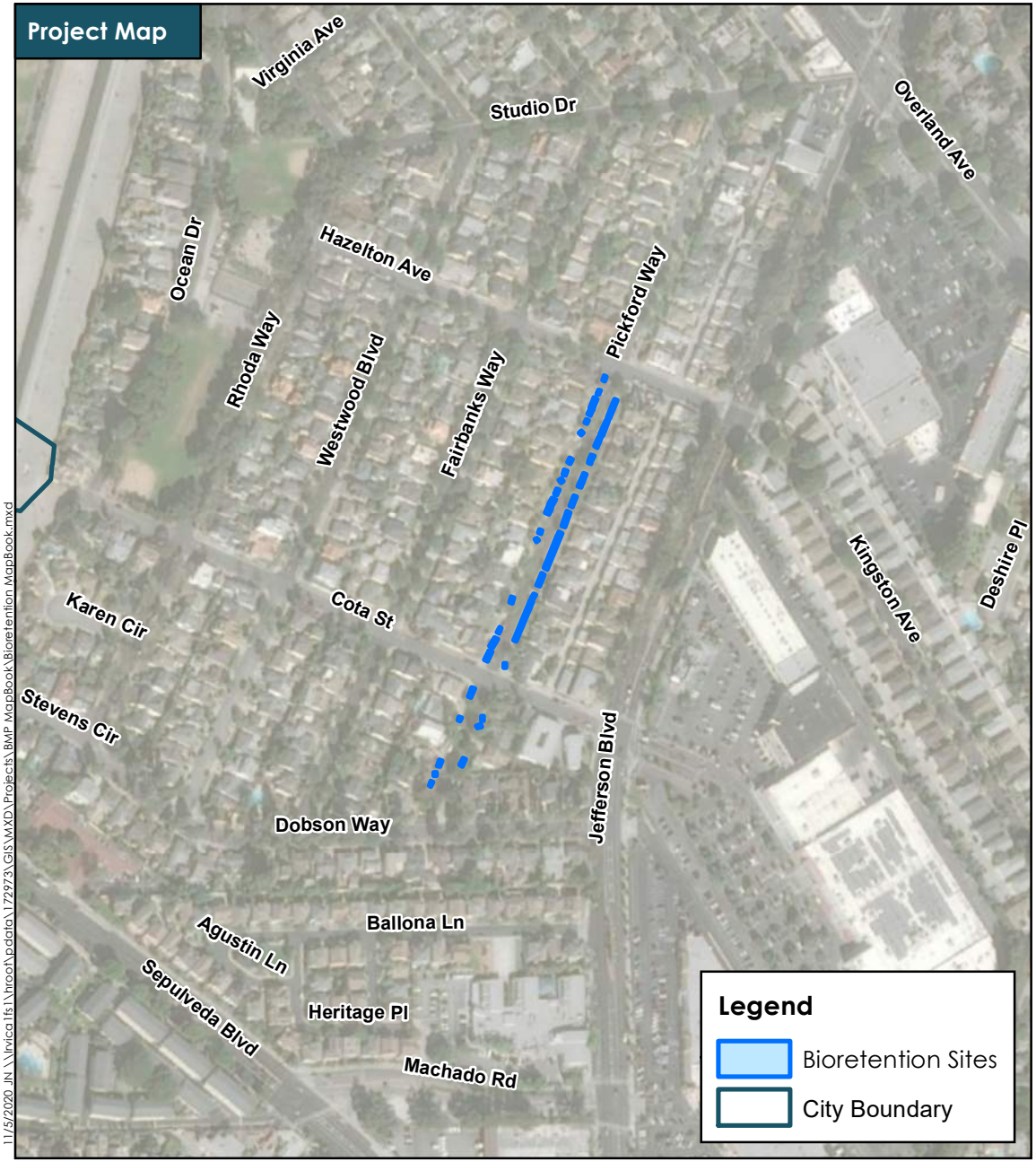
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR224

Project Map



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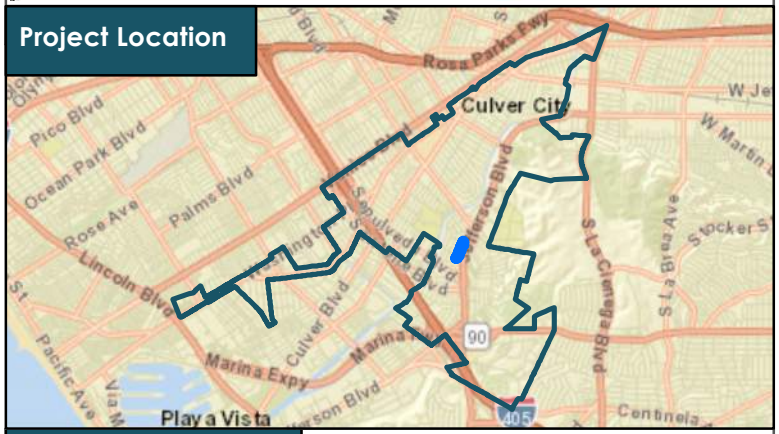
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.33
Drainage Area (ac):		3.97
Depth to Groundwater (ft):		25
EWMP Equivalient Volume (ac-ft):		0.29
Cost Estimate:	$	194,487

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

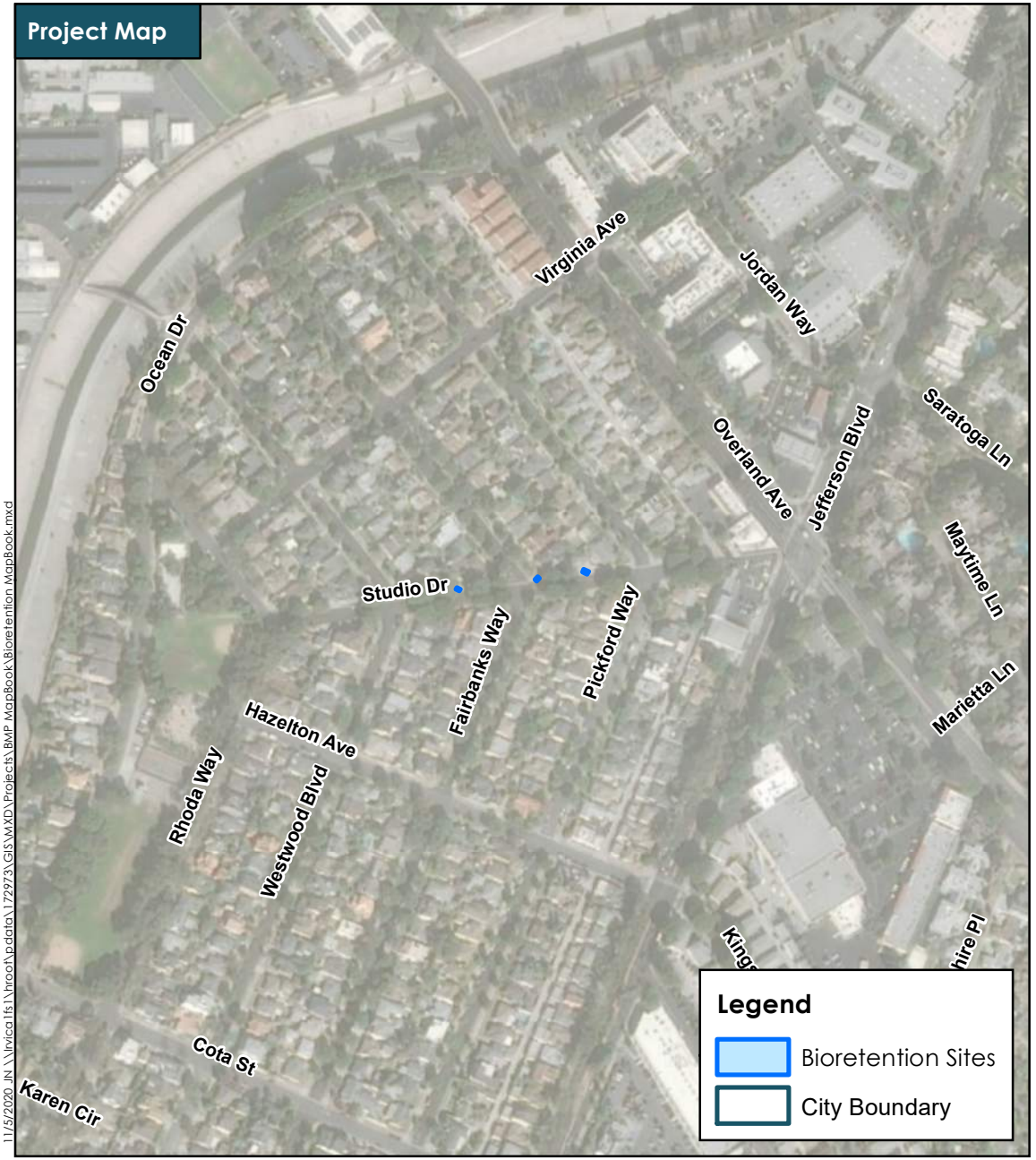
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR225

Project Map



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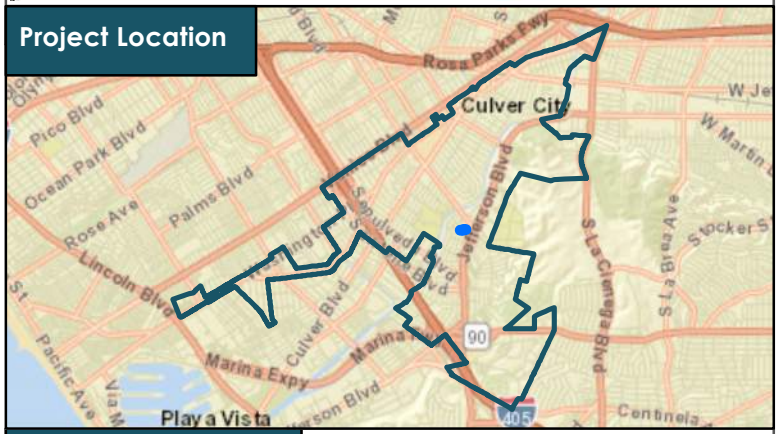
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0
Drainage Area (ac):		0.06
Depth to Groundwater (ft):		31
EWMP Equivalient Volume (ac-ft):		0
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

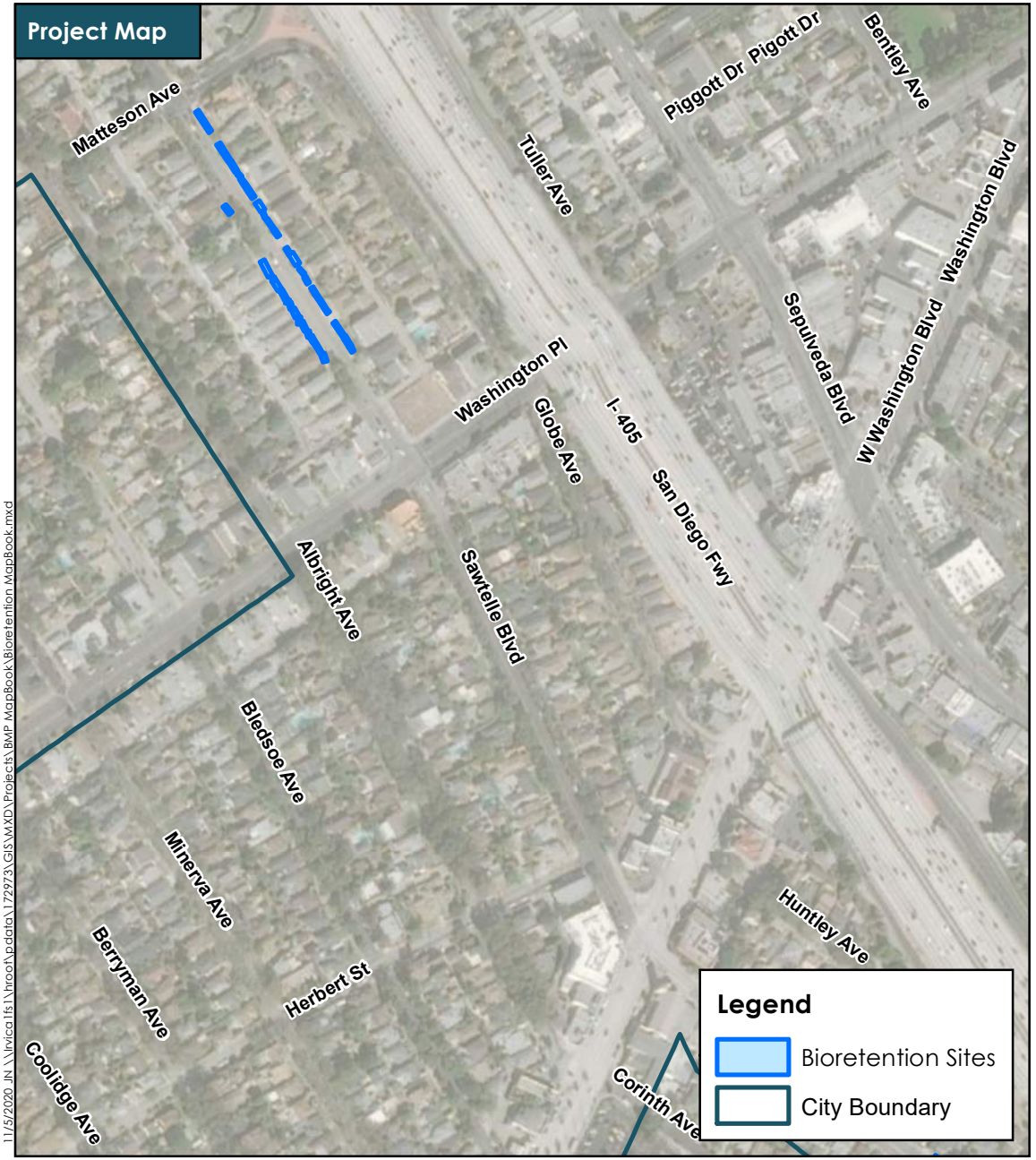
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR226

Project Map



11/5/2020 JN \\Irvlca1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location

Project Information

Storage Capcity (ac-ft):		0.29
Drainage Area (ac):		3.46
Depth to Groundwater (ft):		40
EWMP Equivalient Volume (ac-ft):		0.16
Cost Estimate:	$	169,402

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

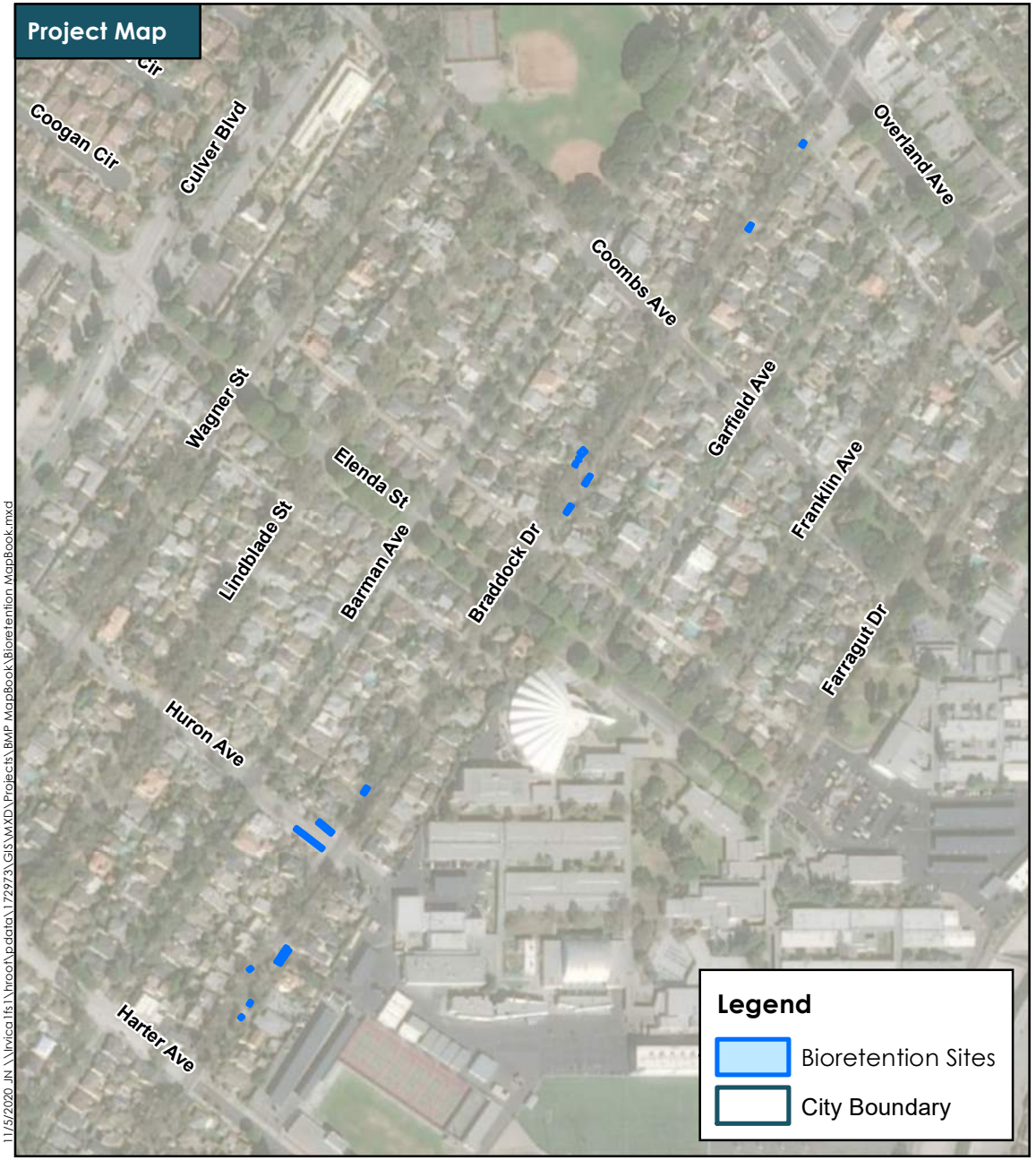
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR227

Project Map

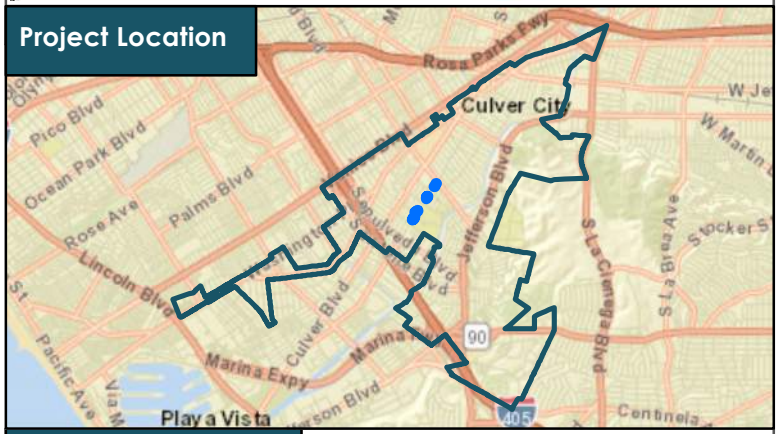


11/5/2020 JN \\Irvlcal1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.05
Drainage Area (ac):		0.66
Depth to Groundwater (ft):		23
EWMP Equivalient Volume (ac-ft):		0.03
Cost Estimate:	$	32,483

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

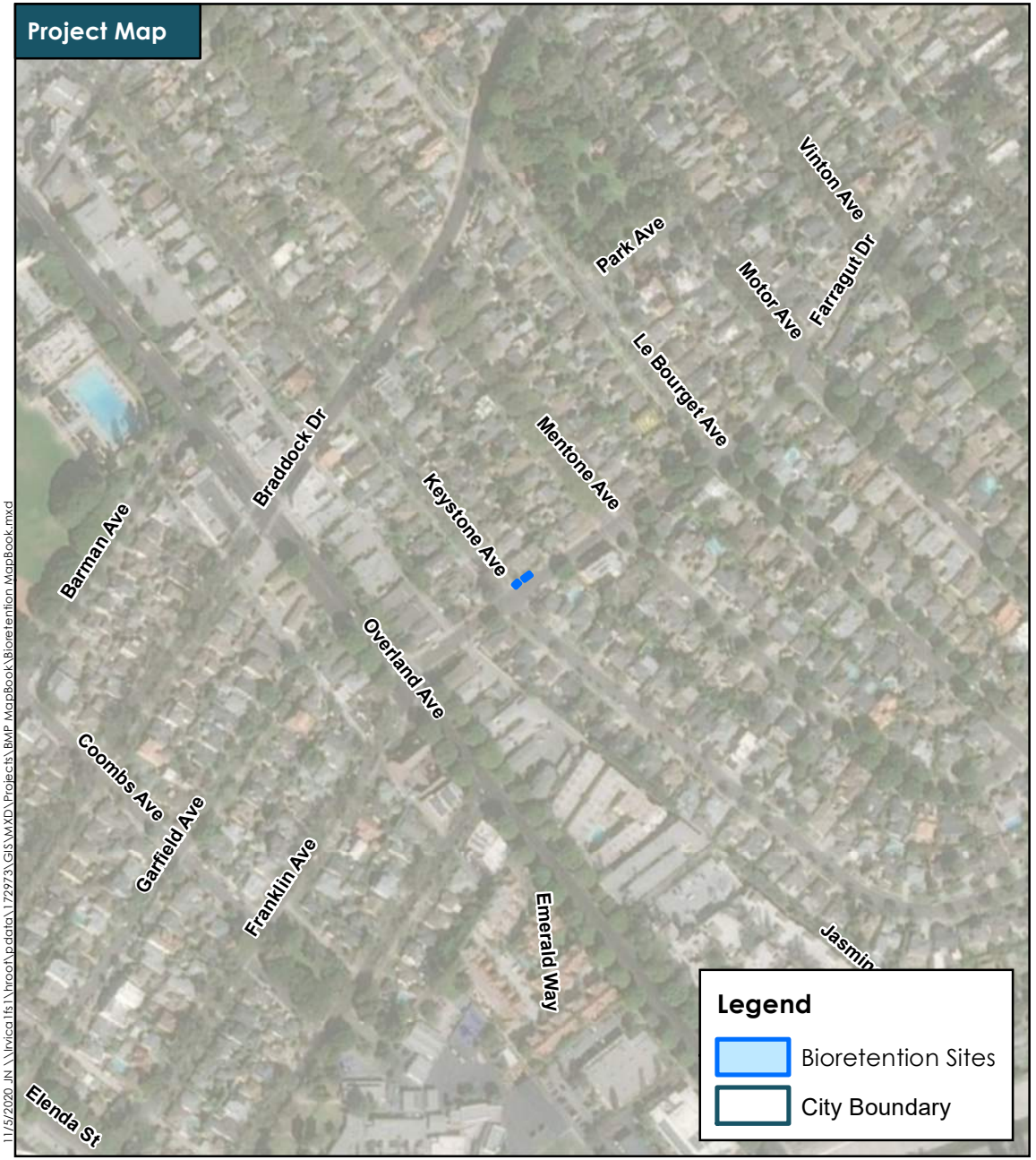
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR228

Project Map



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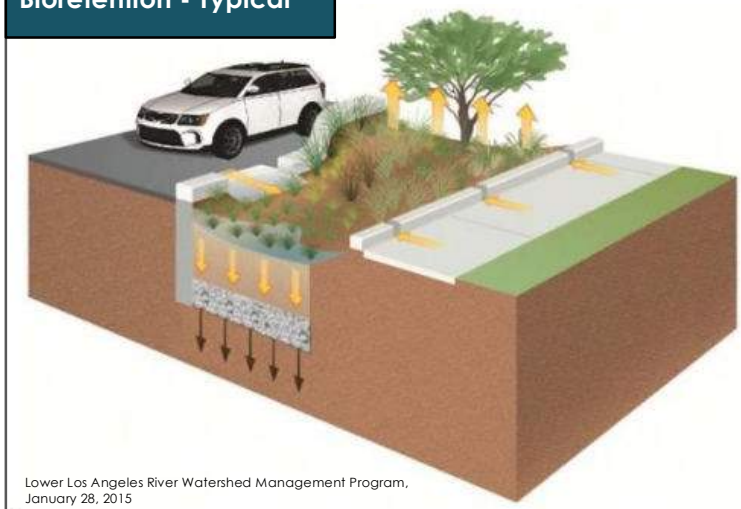
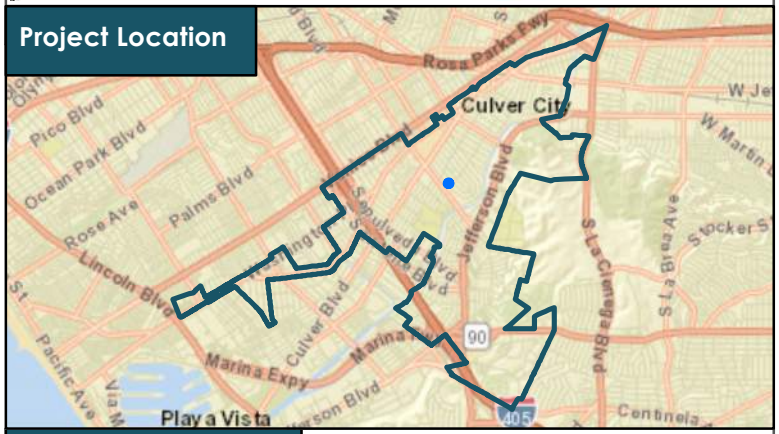
Bioretention - Typical



Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.01
Drainage Area (ac):		0.11
Depth to Groundwater (ft):		30
EWMP Equivalient Volume (ac-ft):		0.01
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

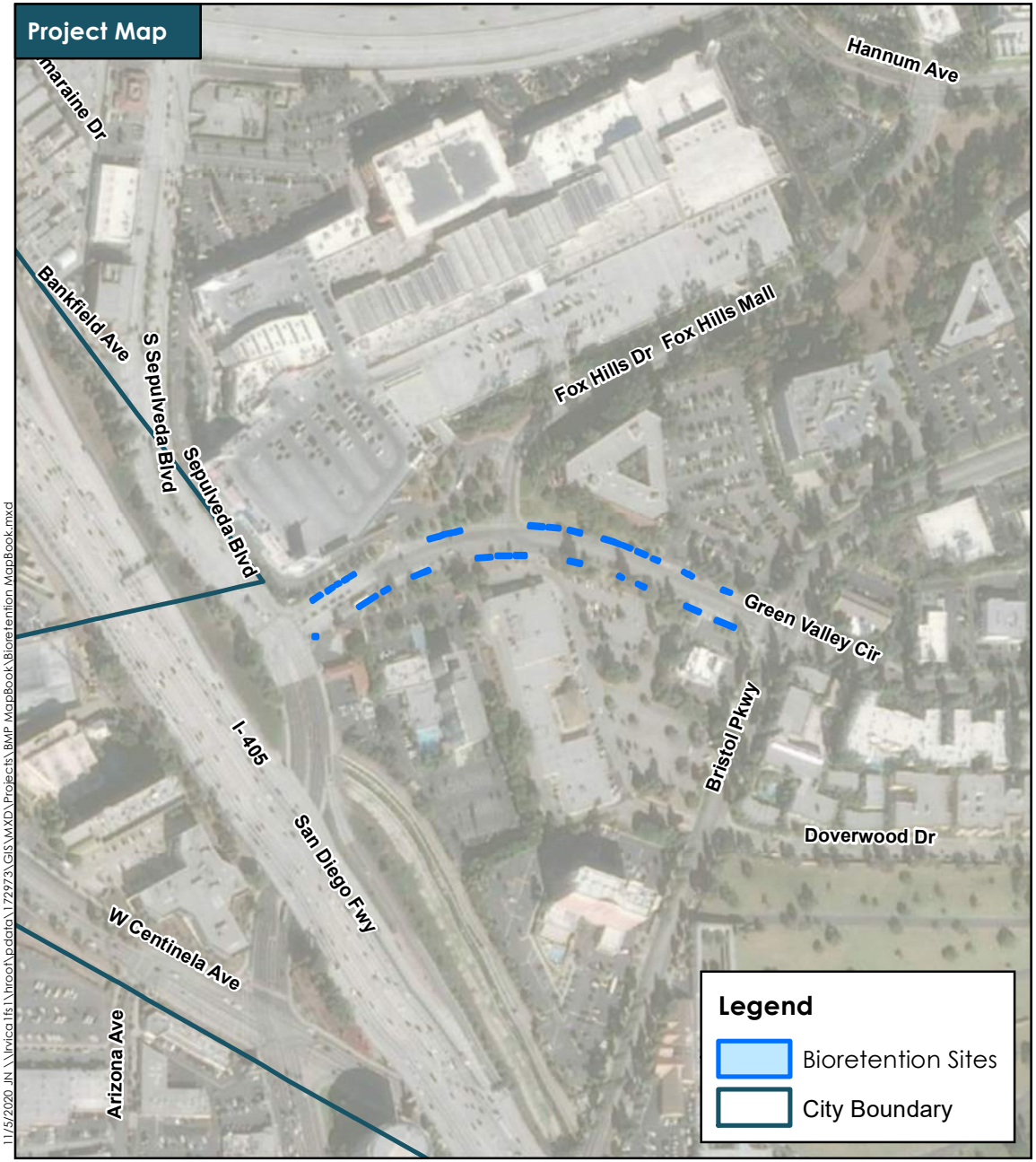
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR229

Project Map



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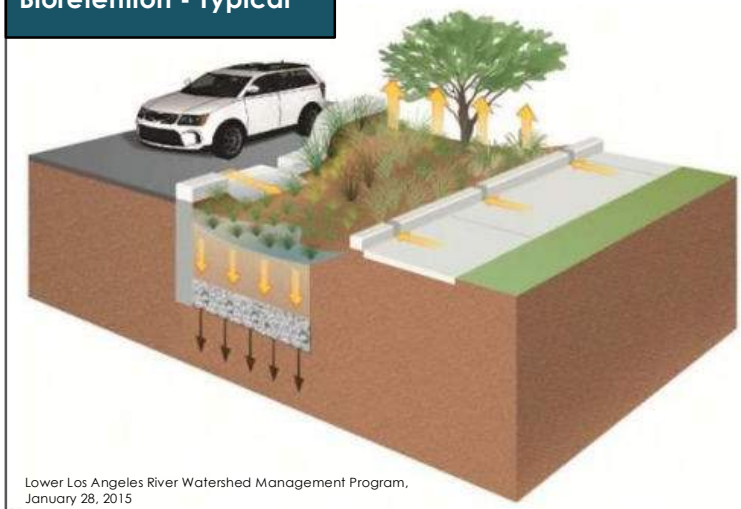
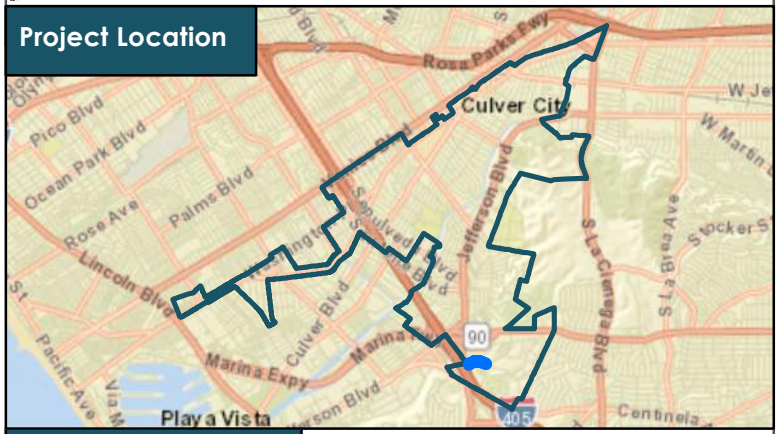
Bioretention - Typical



Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.09
Drainage Area (ac):		1.07
Depth to Groundwater (ft):		56
EWMP Equivalient Volume (ac-ft):		0.09
Cost Estimate:	$	52,604

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

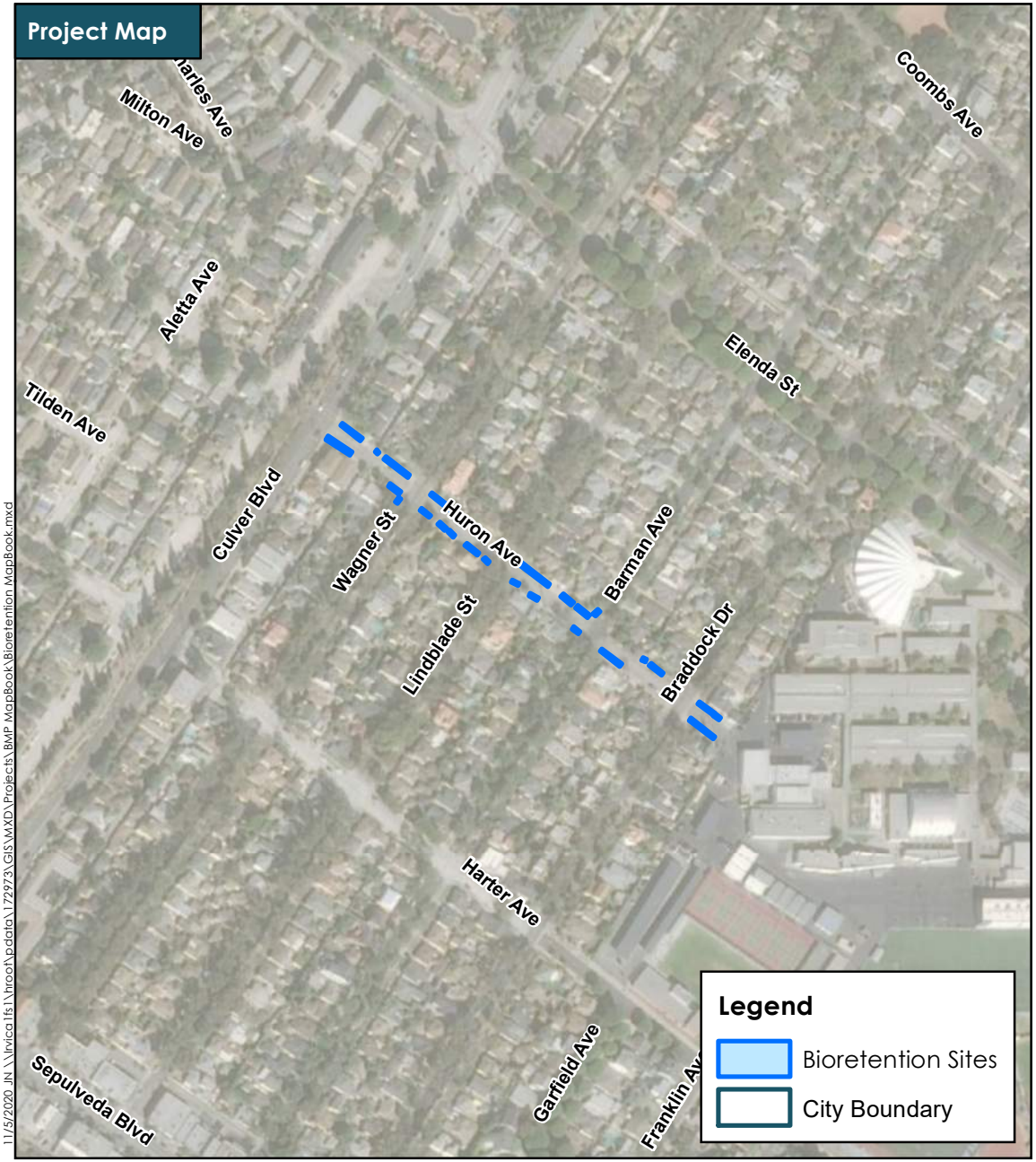
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR230

Project Map



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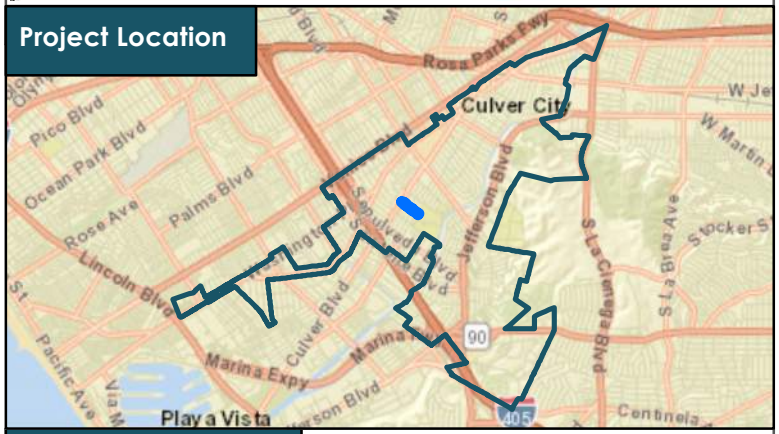
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.23
Drainage Area (ac):		2.79
Depth to Groundwater (ft):		23
EWMP Equivalient Volume (ac-ft):		0.13
Cost Estimate:	$	136,914

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

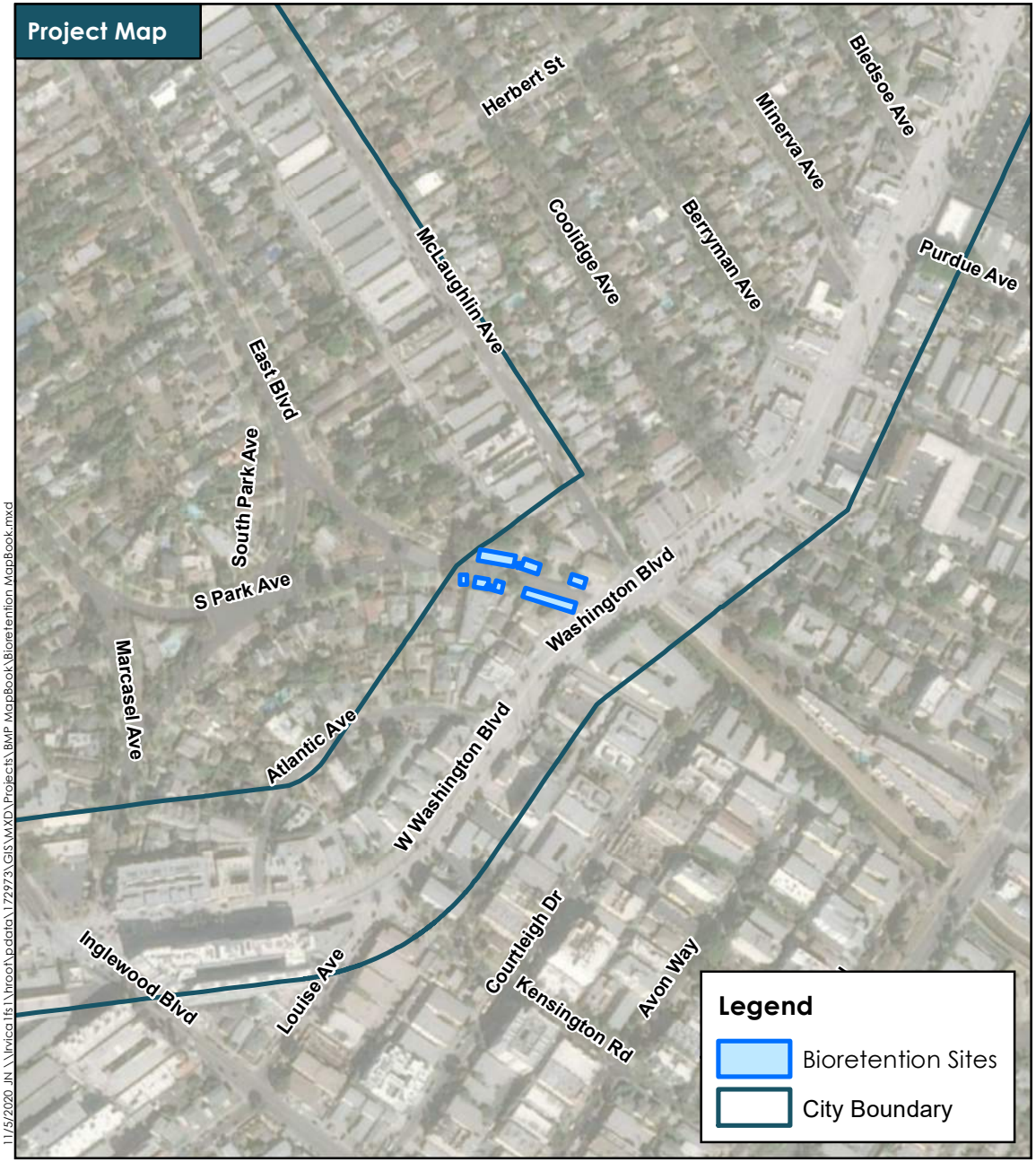
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR231

Project Map

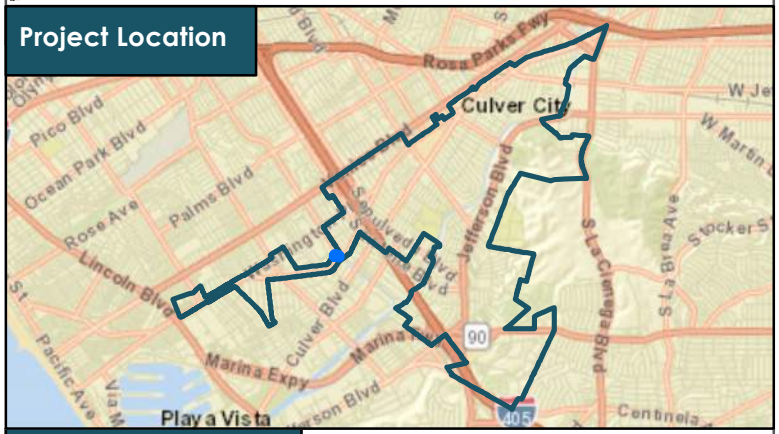


11/5/2020 JN \\Irvlca1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.16
Drainage Area (ac):		1.9
Depth to Groundwater (ft):		35
EWMP Equivalient Volume (ac-ft):		0.06
Cost Estimate:	$	93,243

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

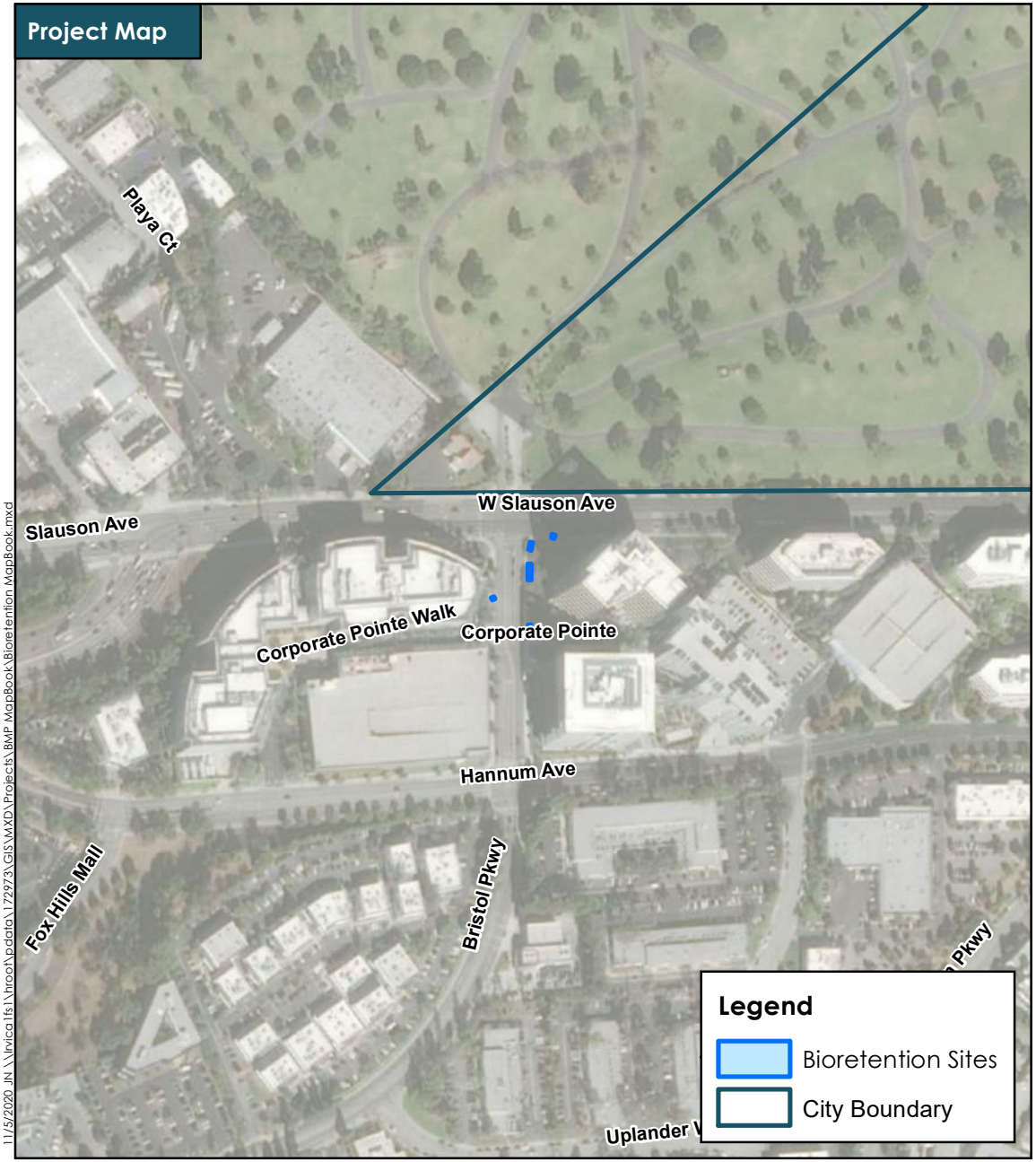
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR232

Project Map

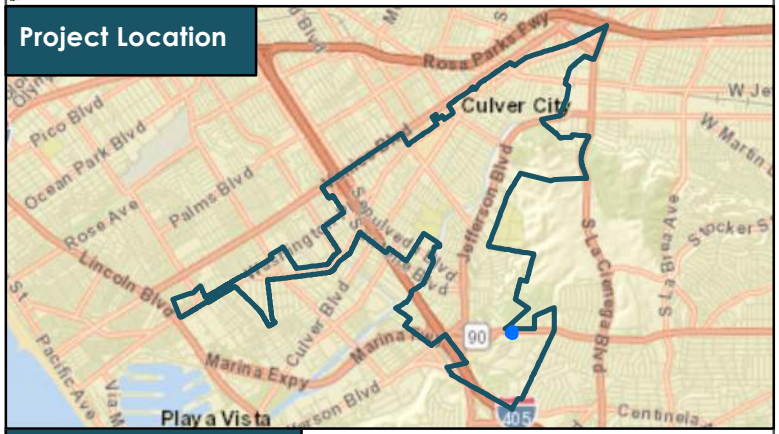


11/5/2020 JN \\Irvlcal1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.01
Drainage Area (ac):		0.13
Depth to Groundwater (ft):		85
EWMP Equivalient Volume (ac-ft):		0
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

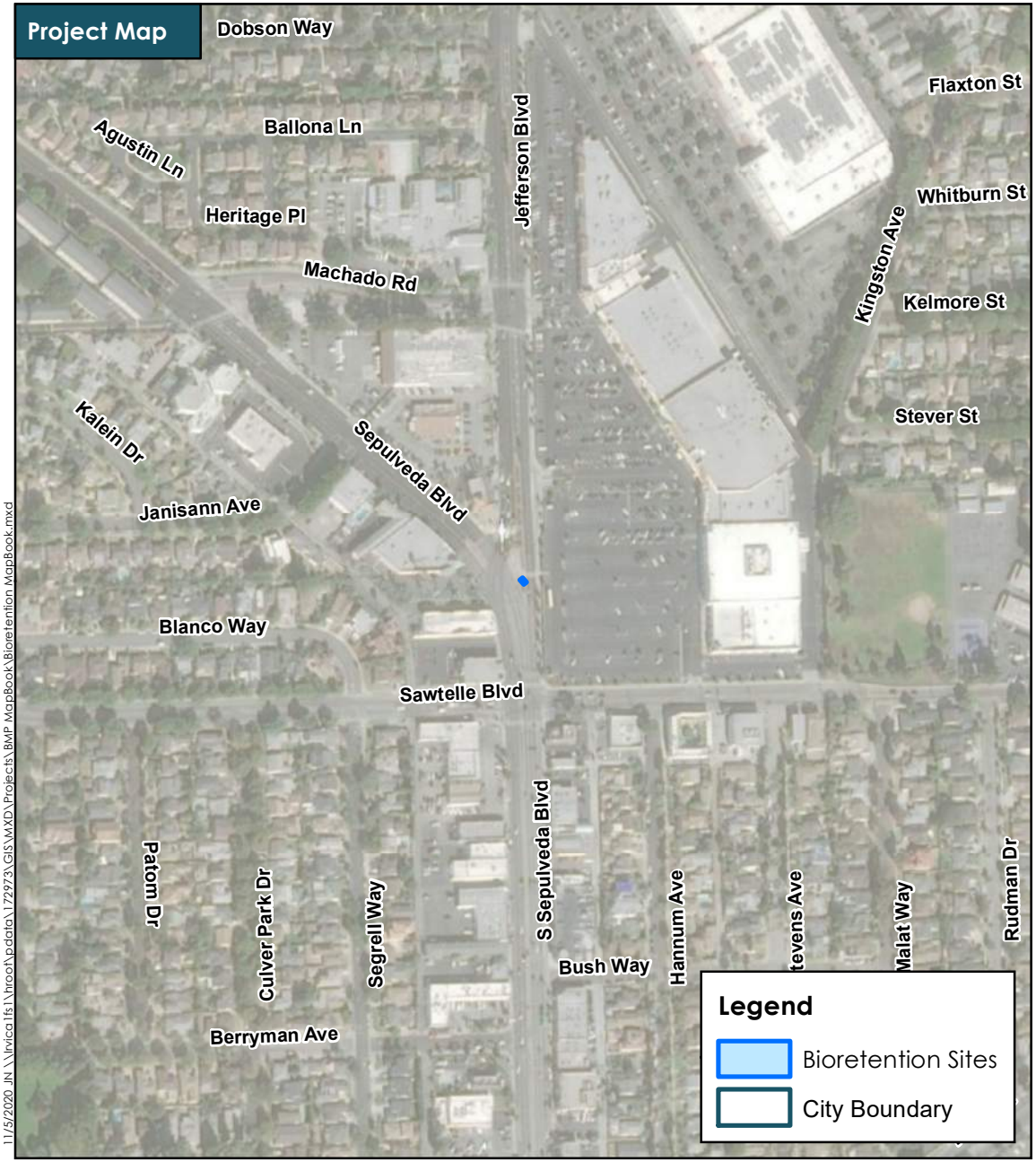
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR233

Project Map

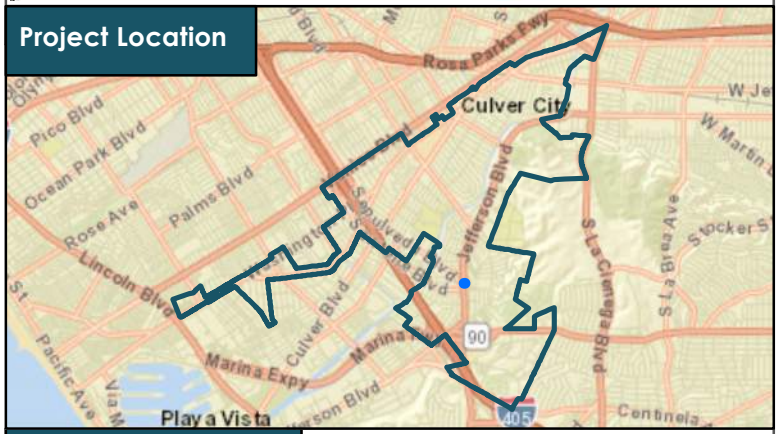


11/5/2020 JN \\Irvlcal1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0
Drainage Area (ac):		0.04
Depth to Groundwater (ft):		20
EWMP Equivalient Volume (ac-ft):		0
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

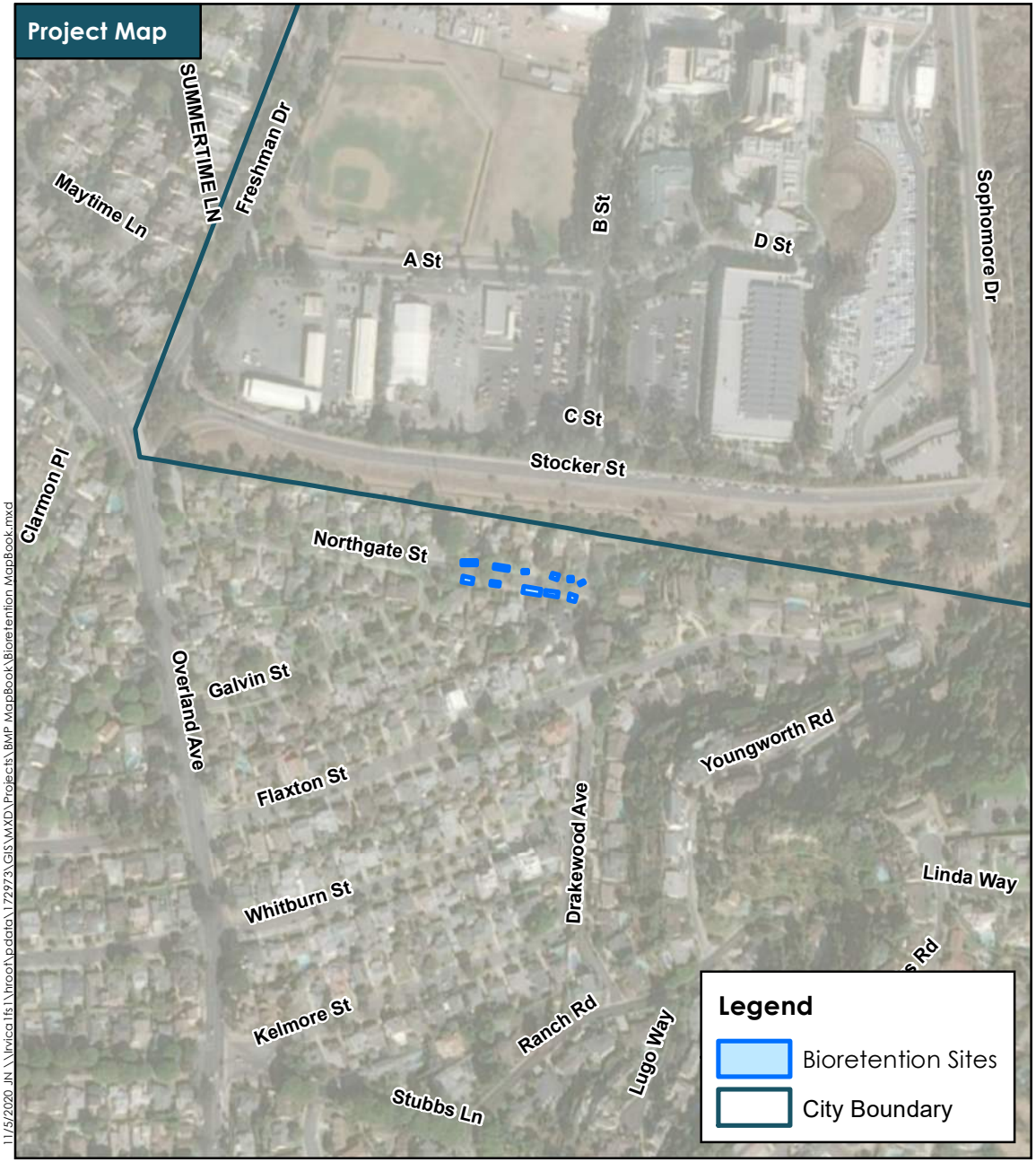
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR234

Project Map

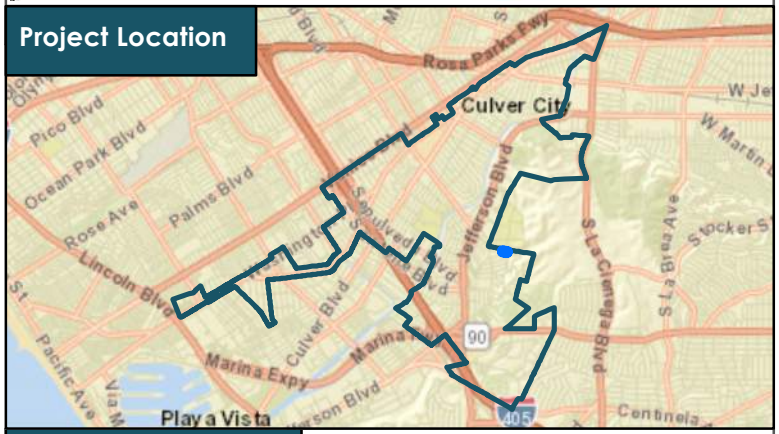


11/5/2020 JN \\Irvlca1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.09
Drainage Area (ac):		1.07
Depth to Groundwater (ft):		72
EWMP Equivalient Volume (ac-ft):		0.08
Cost Estimate:	$	52,596

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

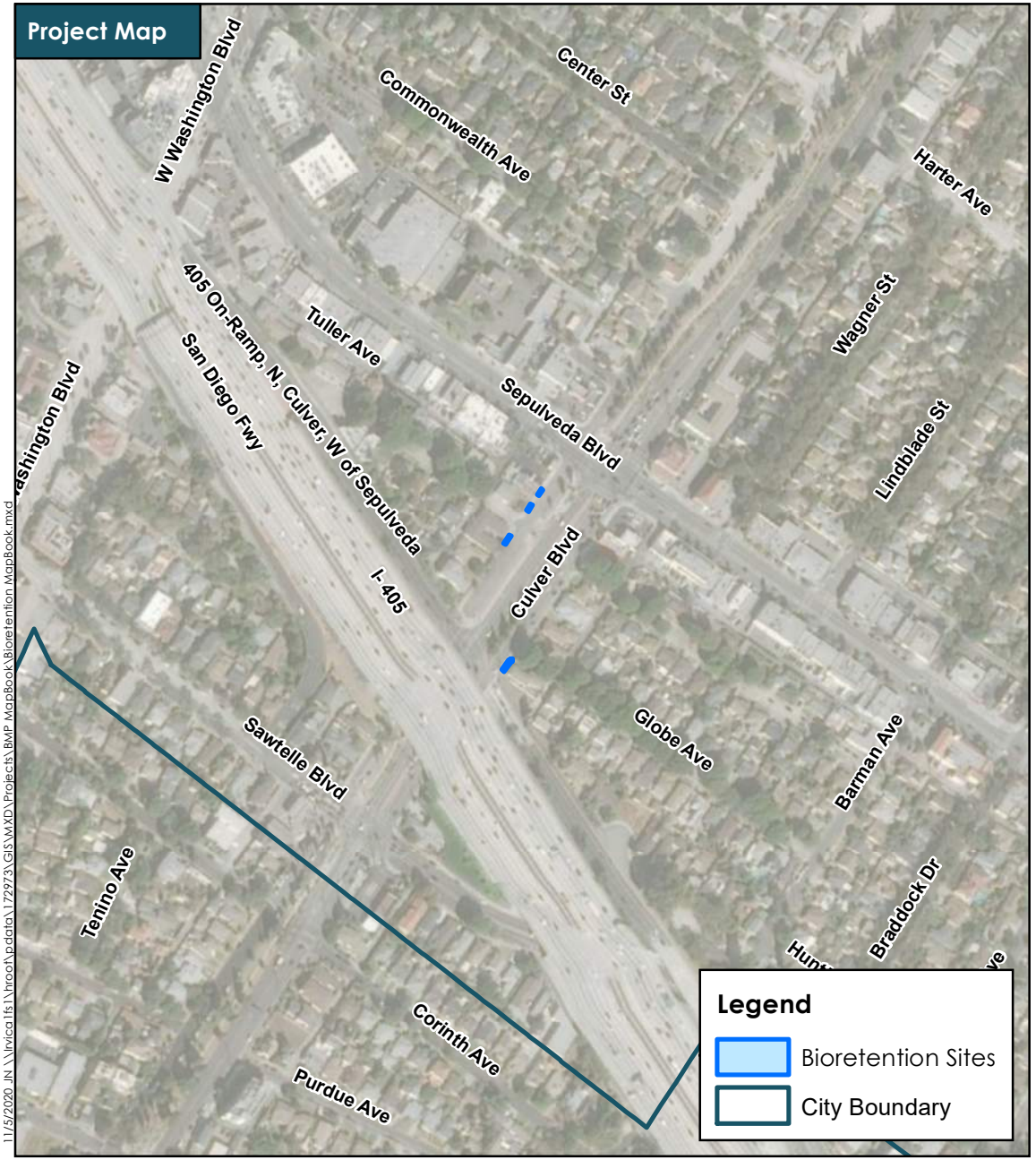
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR235

Project Map



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Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location

Project Information

Storage Capcity (ac-ft):		0.02
Drainage Area (ac):		0.2
Depth to Groundwater (ft):		21
EWMP Equivalient Volume (ac-ft):		0.01
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

Michael Baker INTERNATIONAL

BLUE OCEAN CIVIL CONSULTING

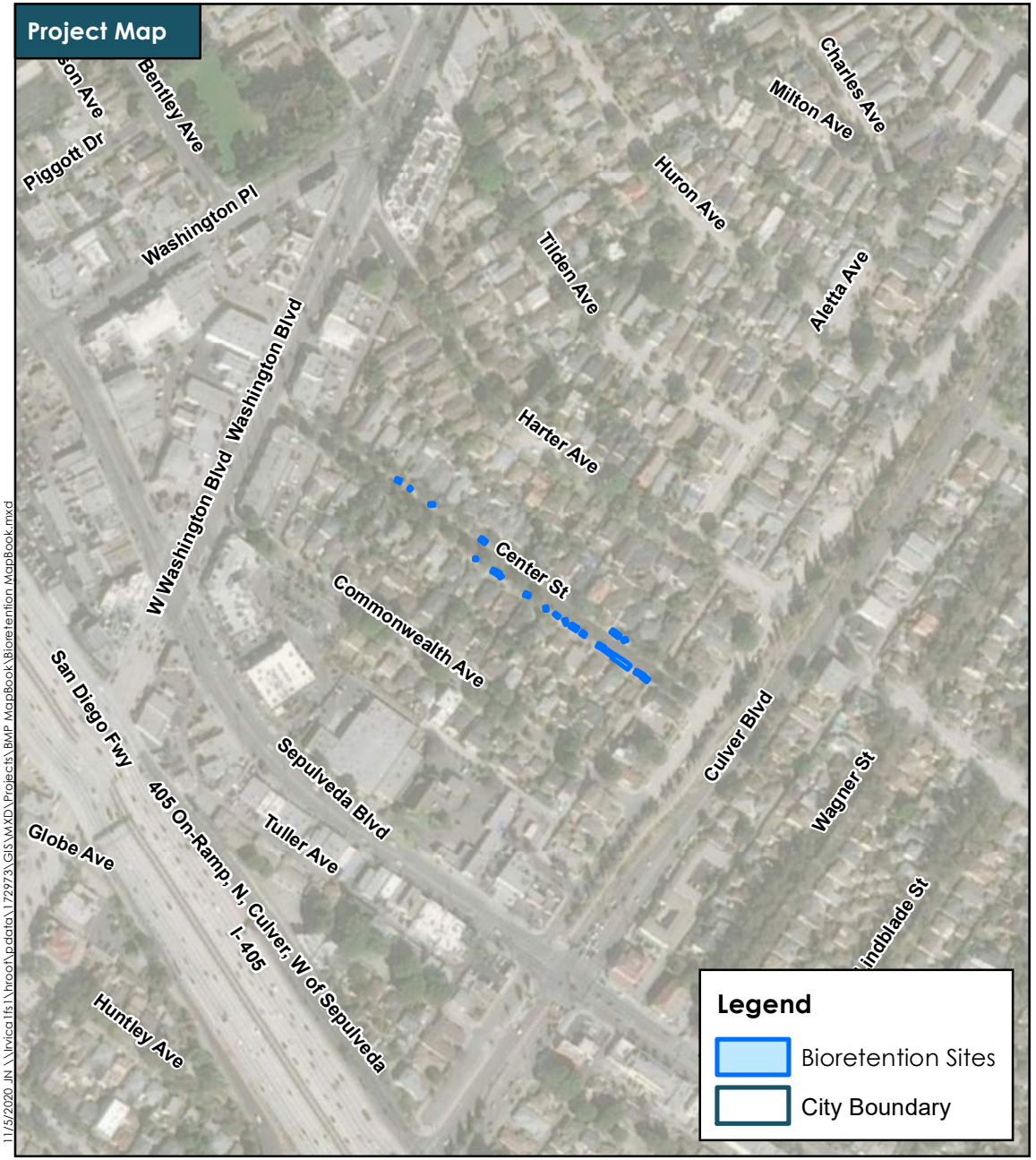
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR236

Project Map



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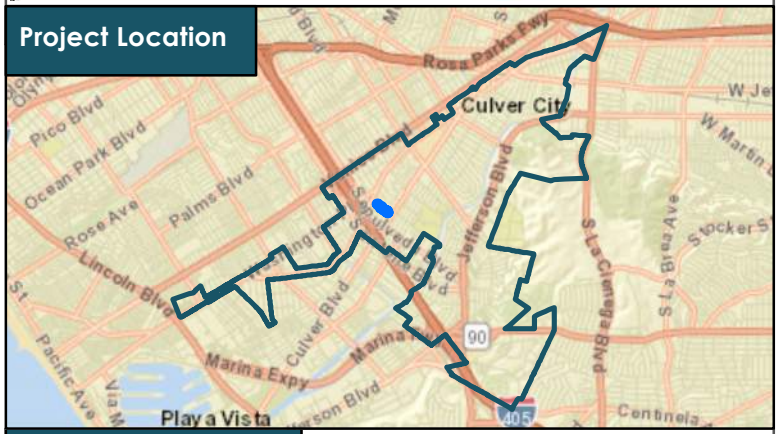
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.11
Drainage Area (ac):		1.39
Depth to Groundwater (ft):		24
EWMP Equivalient Volume (ac-ft):		0.06
Cost Estimate:	$	68,056

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

Michael Baker INTERNATIONAL

BLUE OCEAN CIVIL CONSULTING

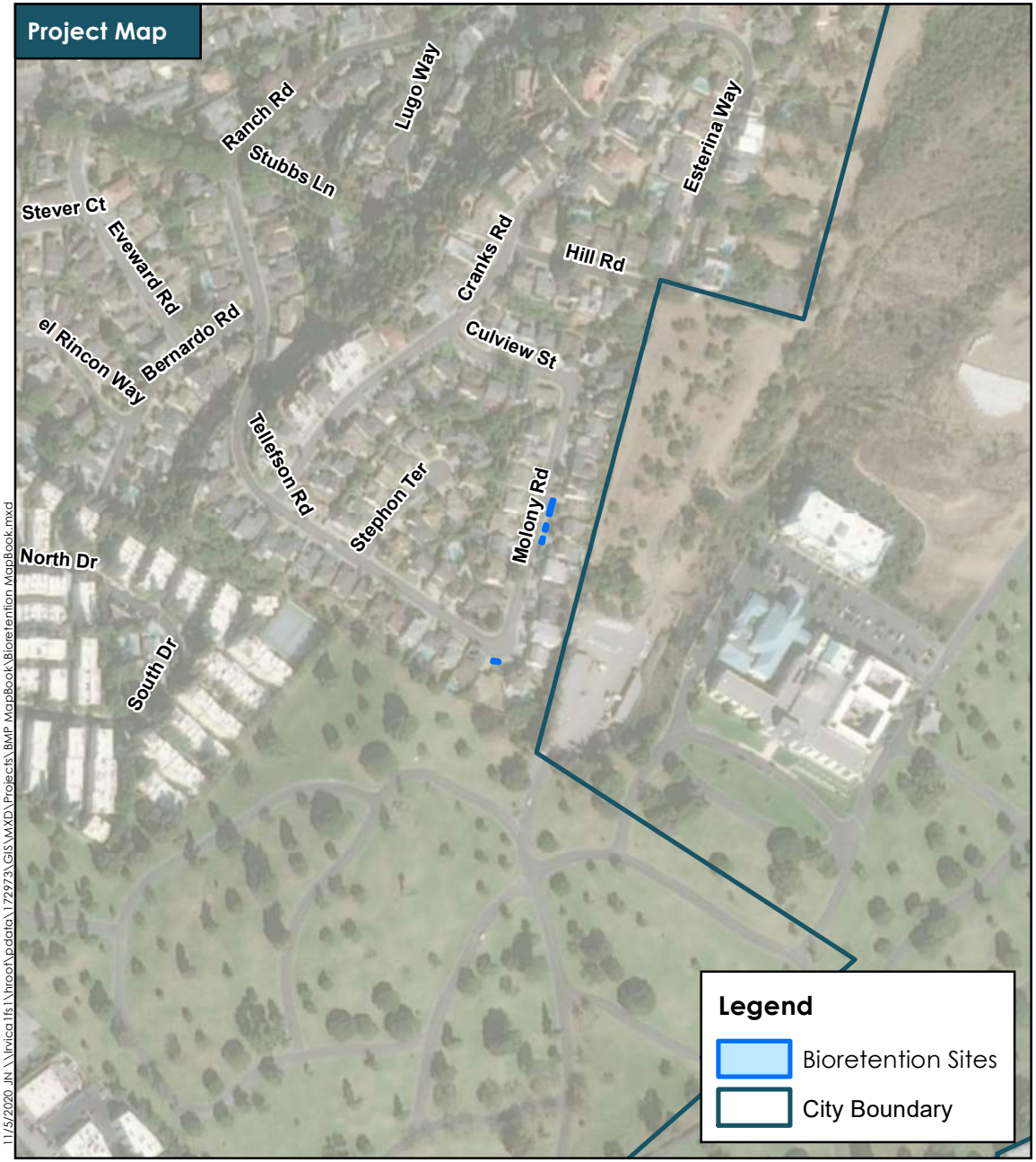
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR237

Project Map



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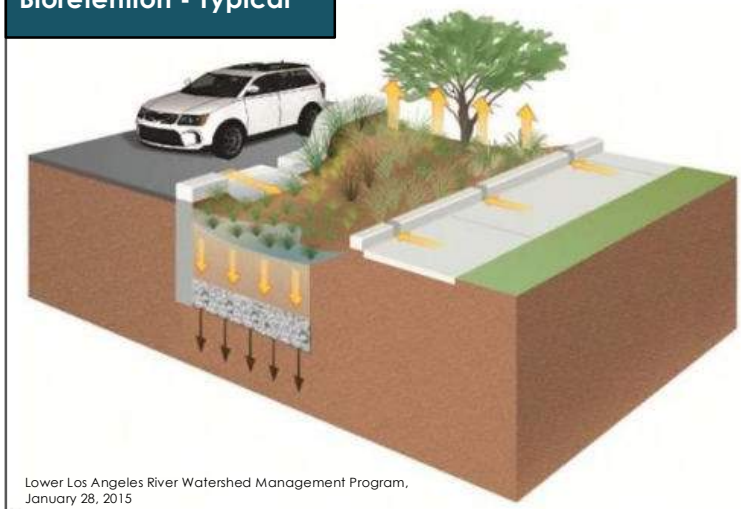
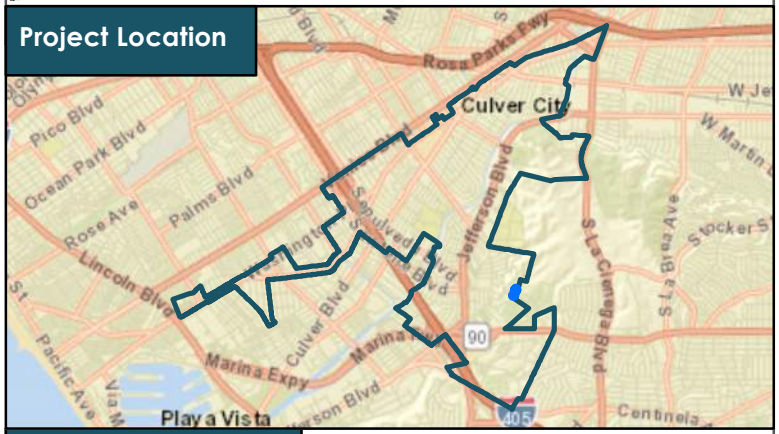
Bioretention - Typical



Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.01
Drainage Area (ac):		0.11
Depth to Groundwater (ft):		143
EWMP Equivalient Volume (ac-ft):		0
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

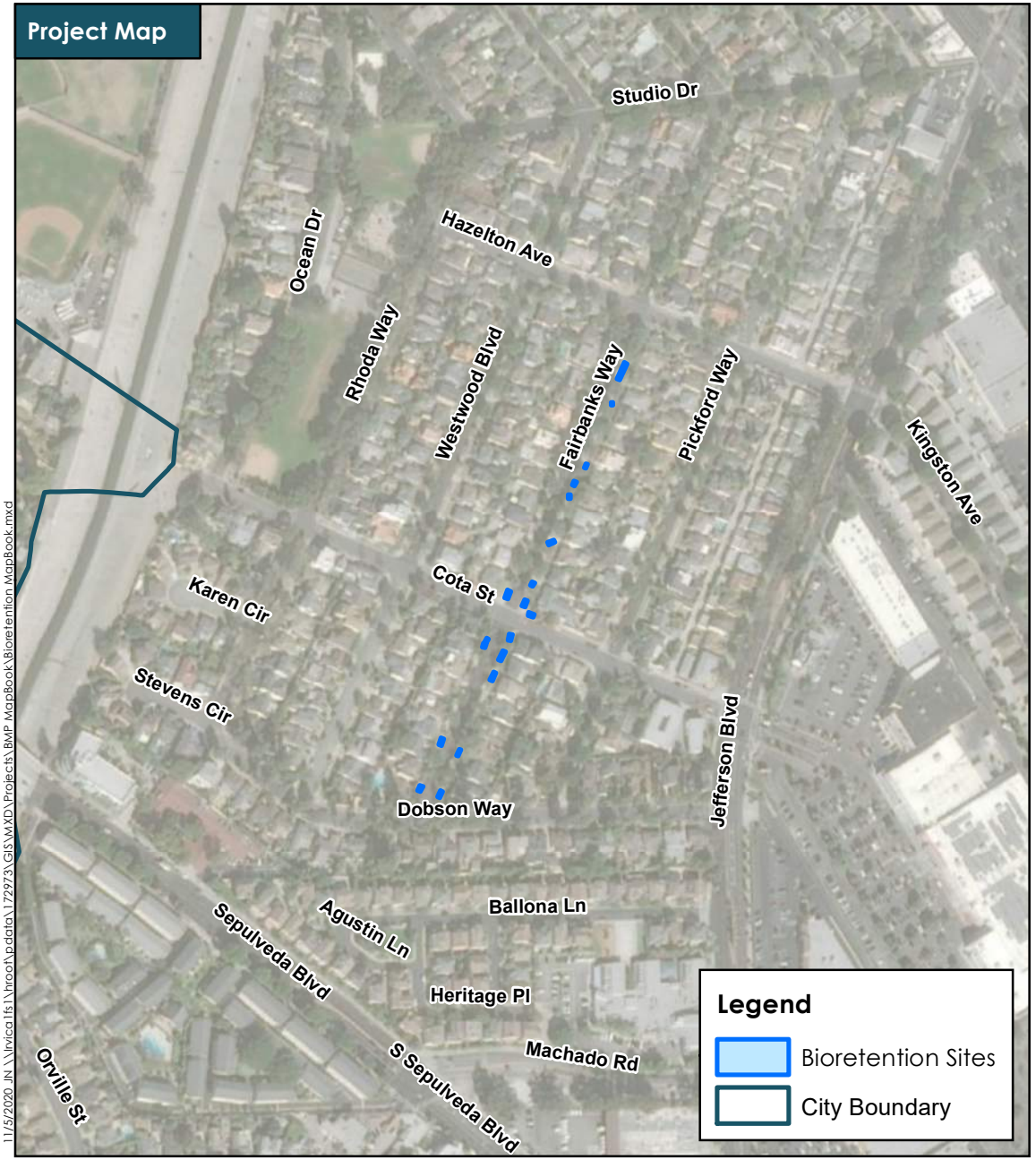
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR238

Project Map

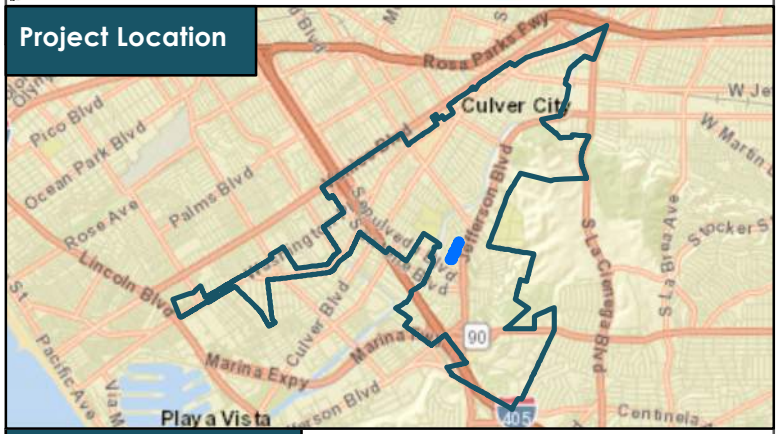


11/5/2020 JN \\Irvlca1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.07
Drainage Area (ac):		0.79
Depth to Groundwater (ft):		27
EWMP Equivalient Volume (ac-ft):		0.06
Cost Estimate:	$	38,772

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

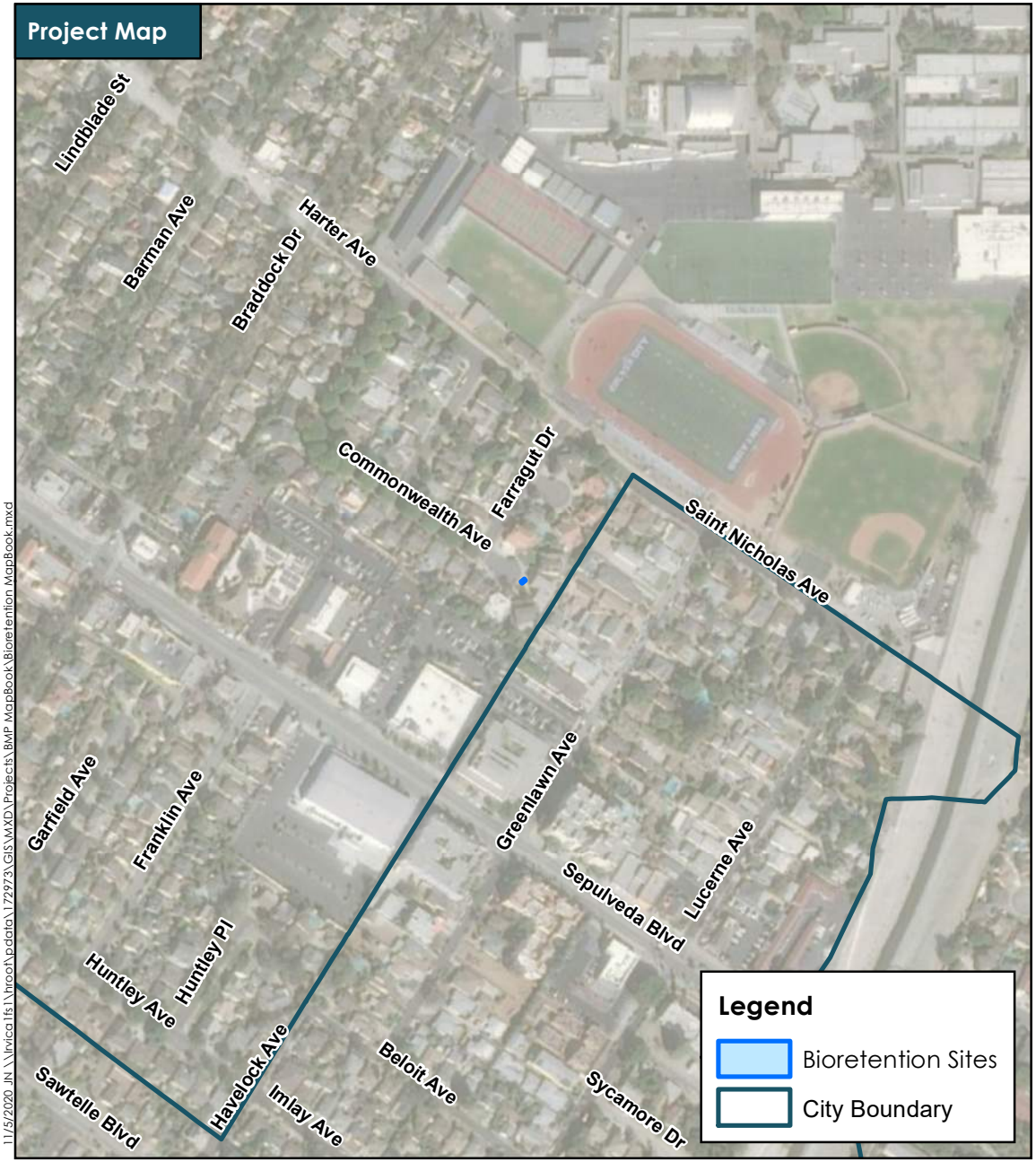
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR239

Project Map



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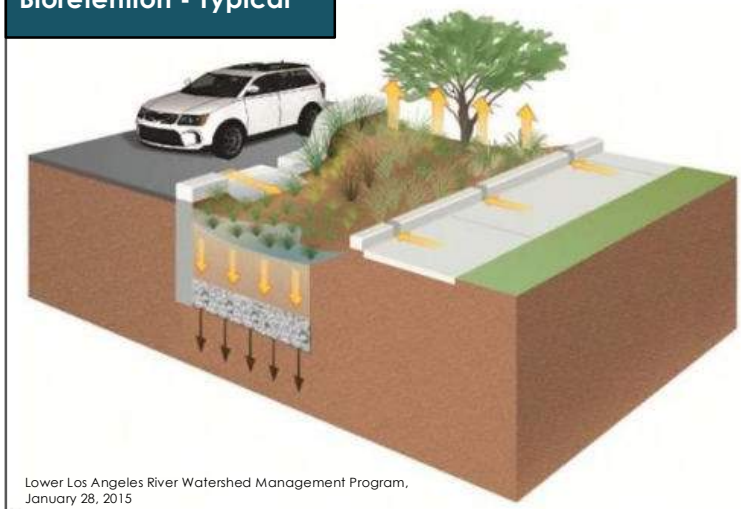
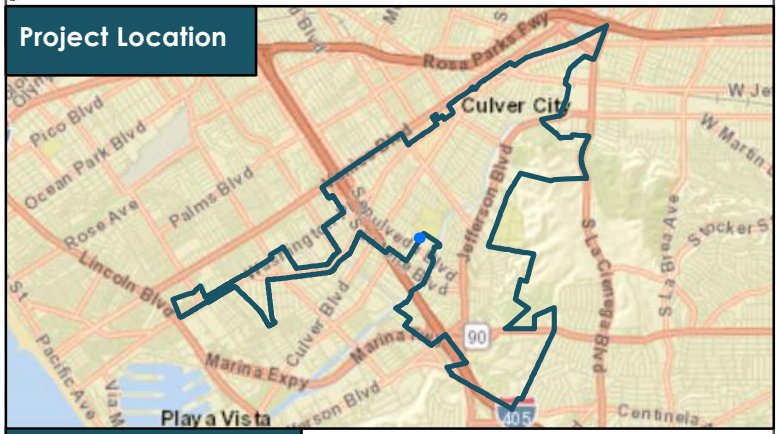
Bioretention - Typical



Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0
Drainage Area (ac):		0.01
Depth to Groundwater (ft):		20
EWMP Equivalient Volume (ac-ft):		0
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

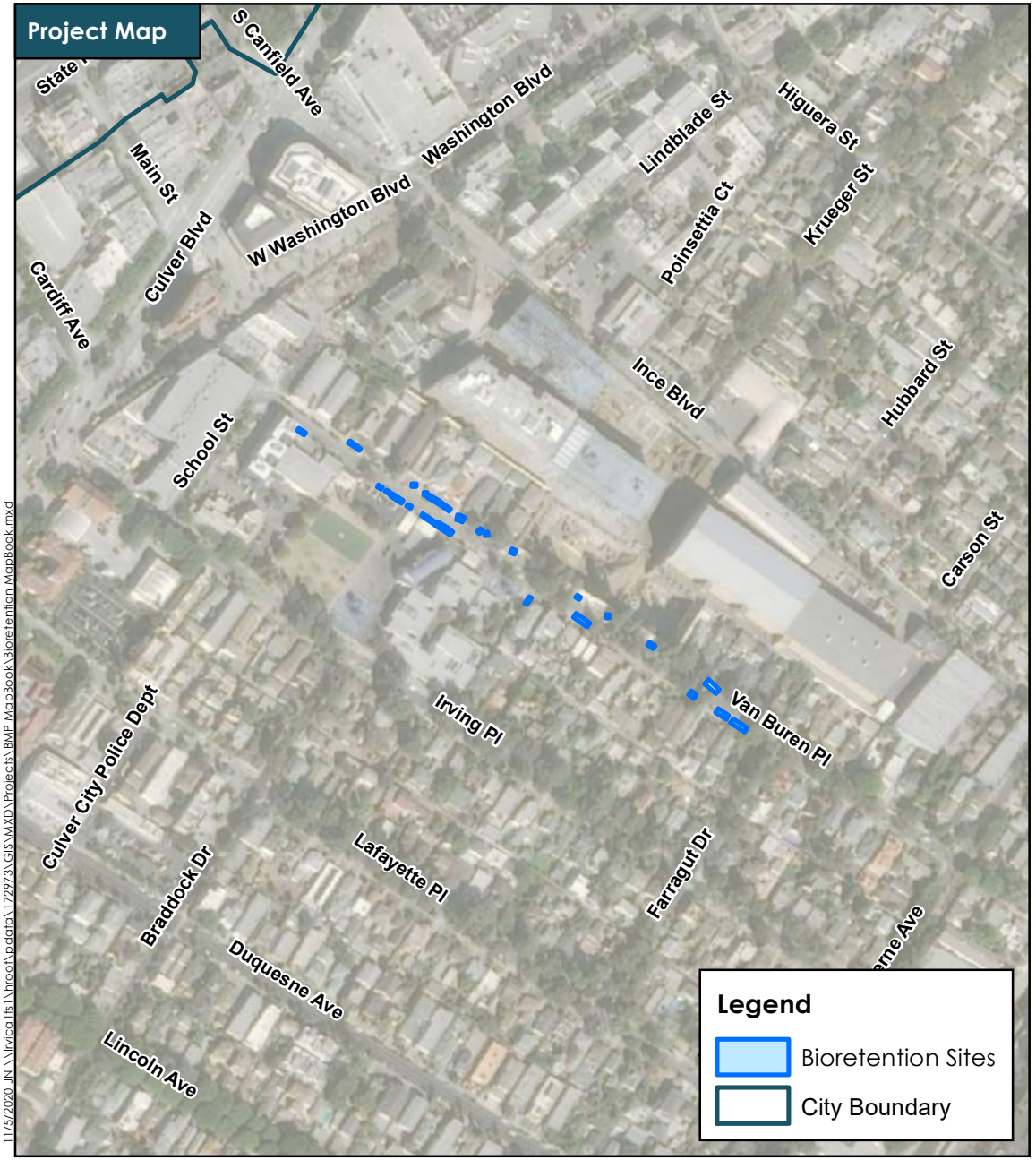
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

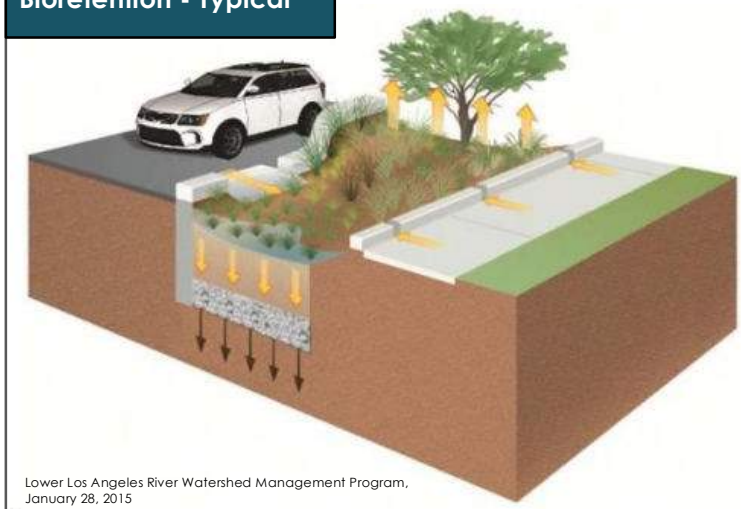
Bioretention Site: BR240

Project Map



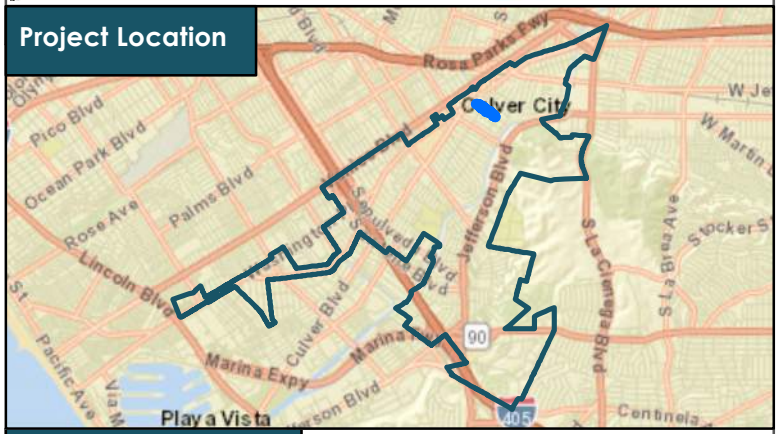
11/5/2020 JN \\Irvlca1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical



Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.13
Drainage Area (ac):		1.56
Depth to Groundwater (ft):		37
EWMP Equivalient Volume (ac-ft):		0.07
Cost Estimate:	$	76,304

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

Blue Ocean Civil Consulting | Michael Baker International

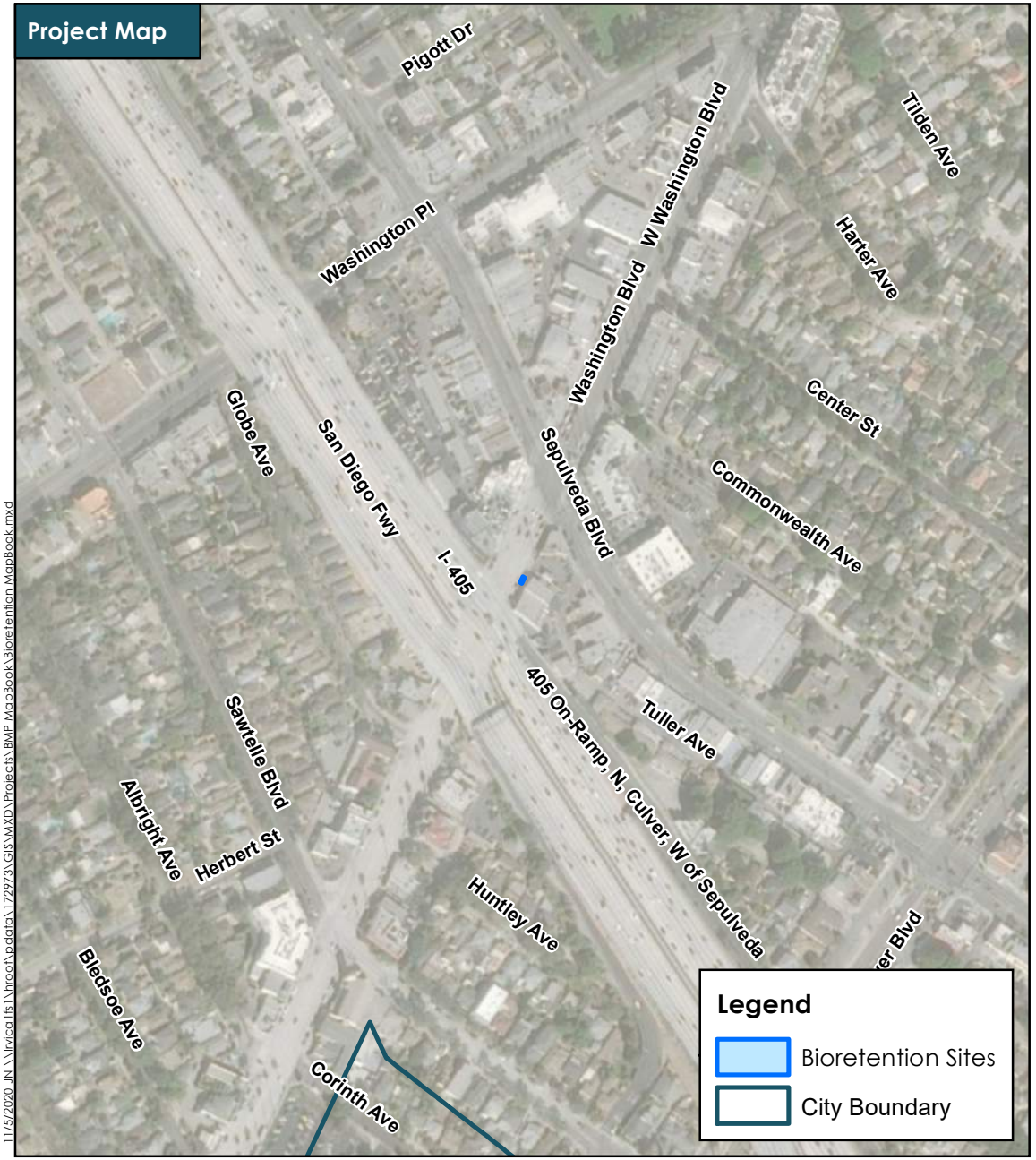
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR241

Project Map



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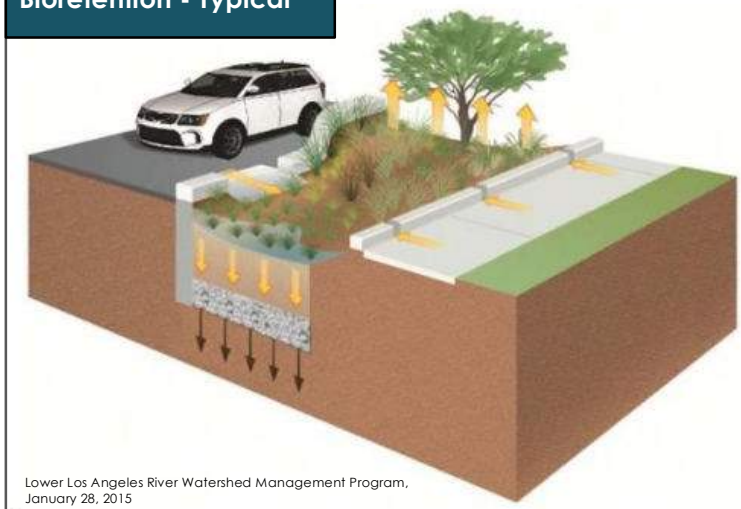
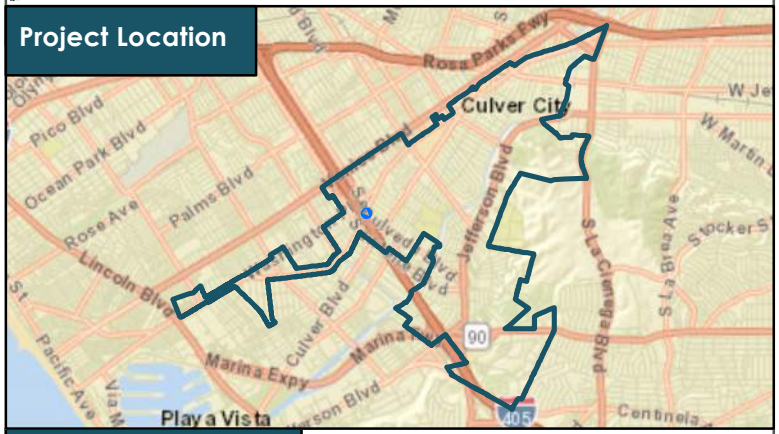
Bioretention - Typical



Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0
Drainage Area (ac):		0.02
Depth to Groundwater (ft):		28
EWMP Equivalient Volume (ac-ft):		0
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

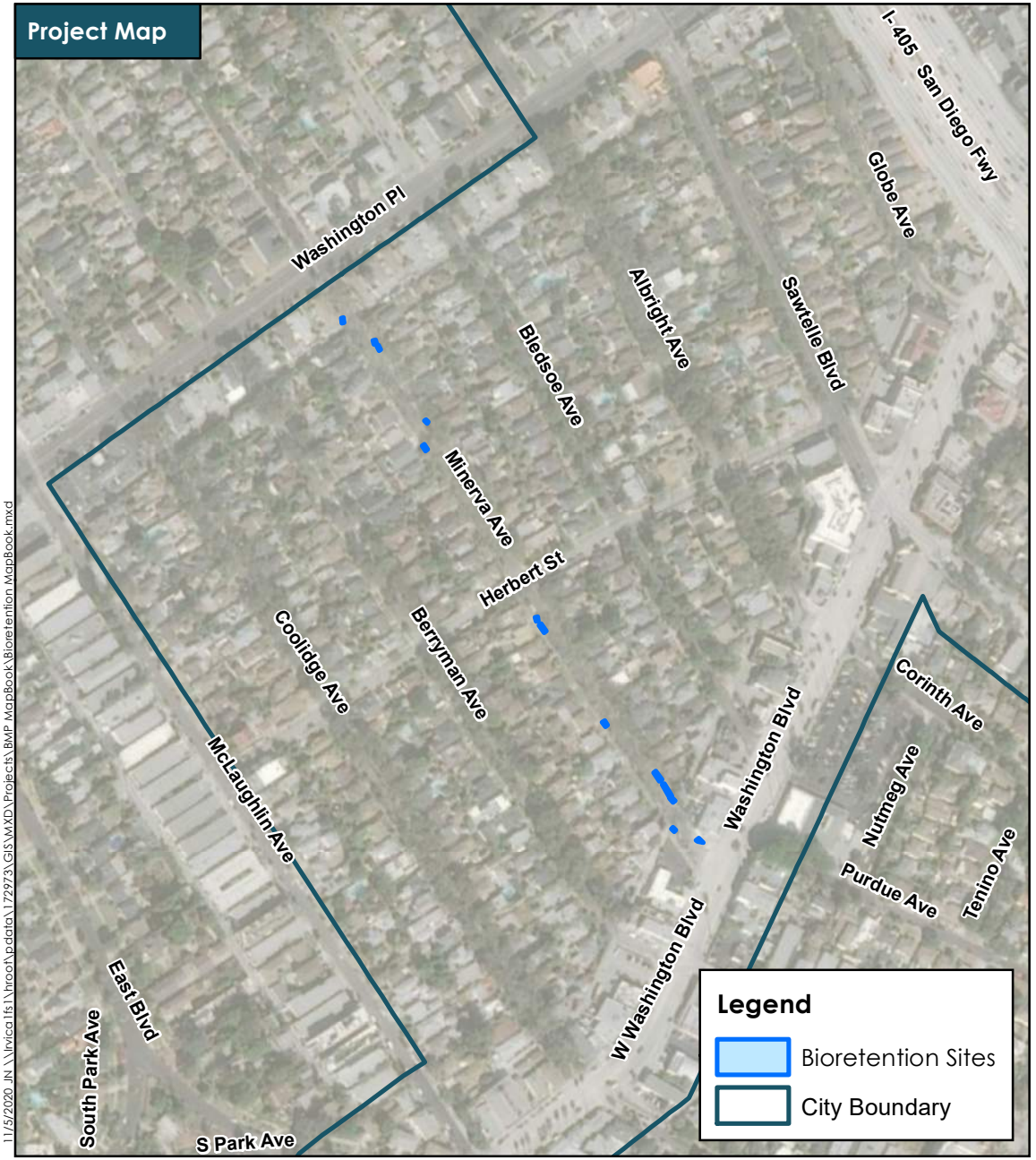
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR242

Project Map

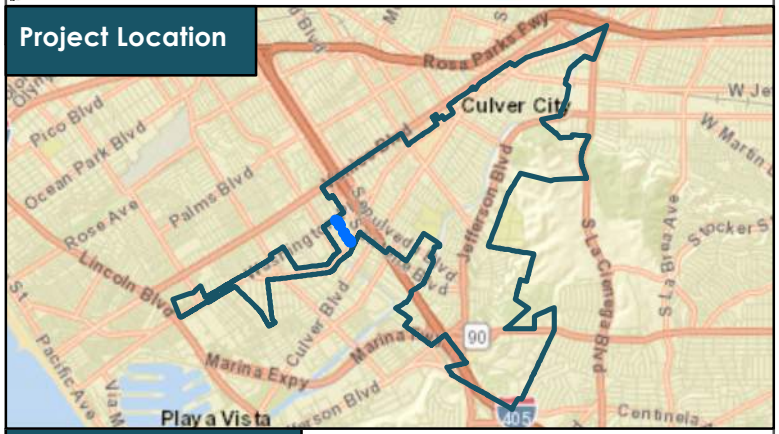


11/5/2020 JN \\Irvlcal1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.03
Drainage Area (ac):		0.36
Depth to Groundwater (ft):		32
EWMP Equivalient Volume (ac-ft):		0.02
Cost Estimate:	$	17,760

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

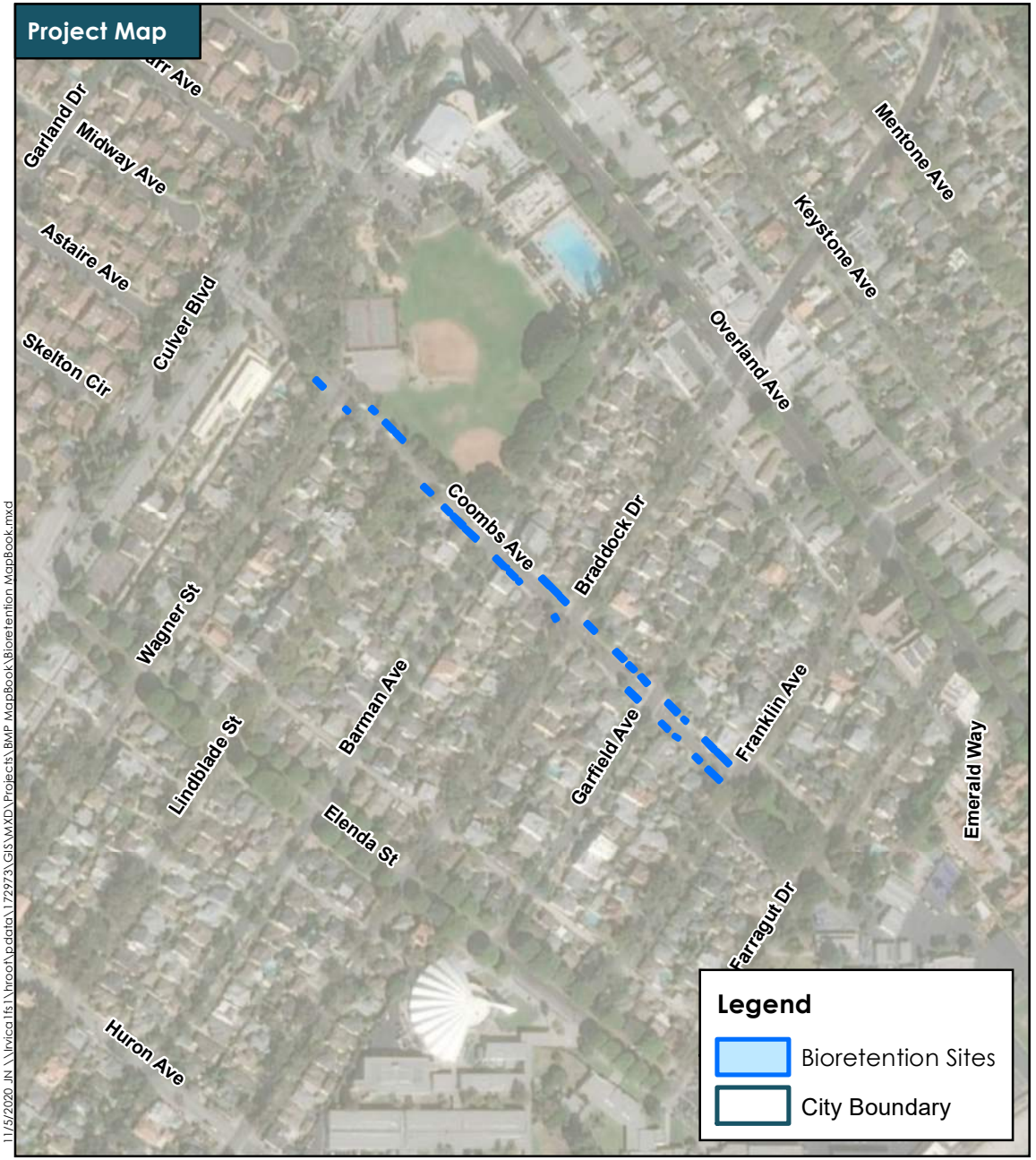
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR243

Project Map

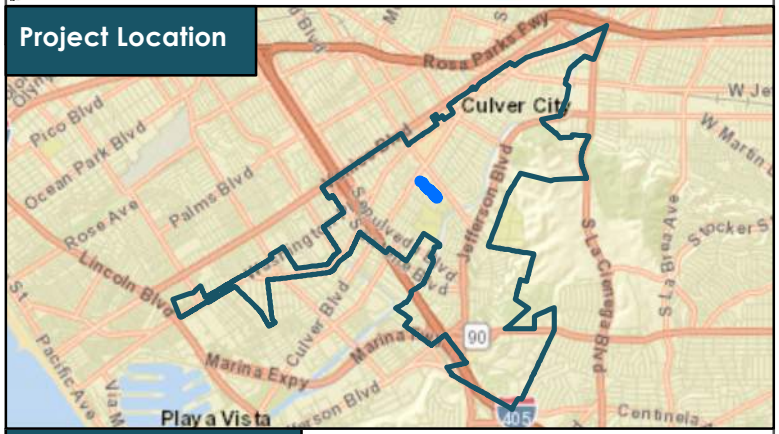


11/5/2020 JN \\Irvlca1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.17
Drainage Area (ac):		2.07
Depth to Groundwater (ft):		32
EWMP Equivalient Volume (ac-ft):		0.09
Cost Estimate:	$	101,695

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

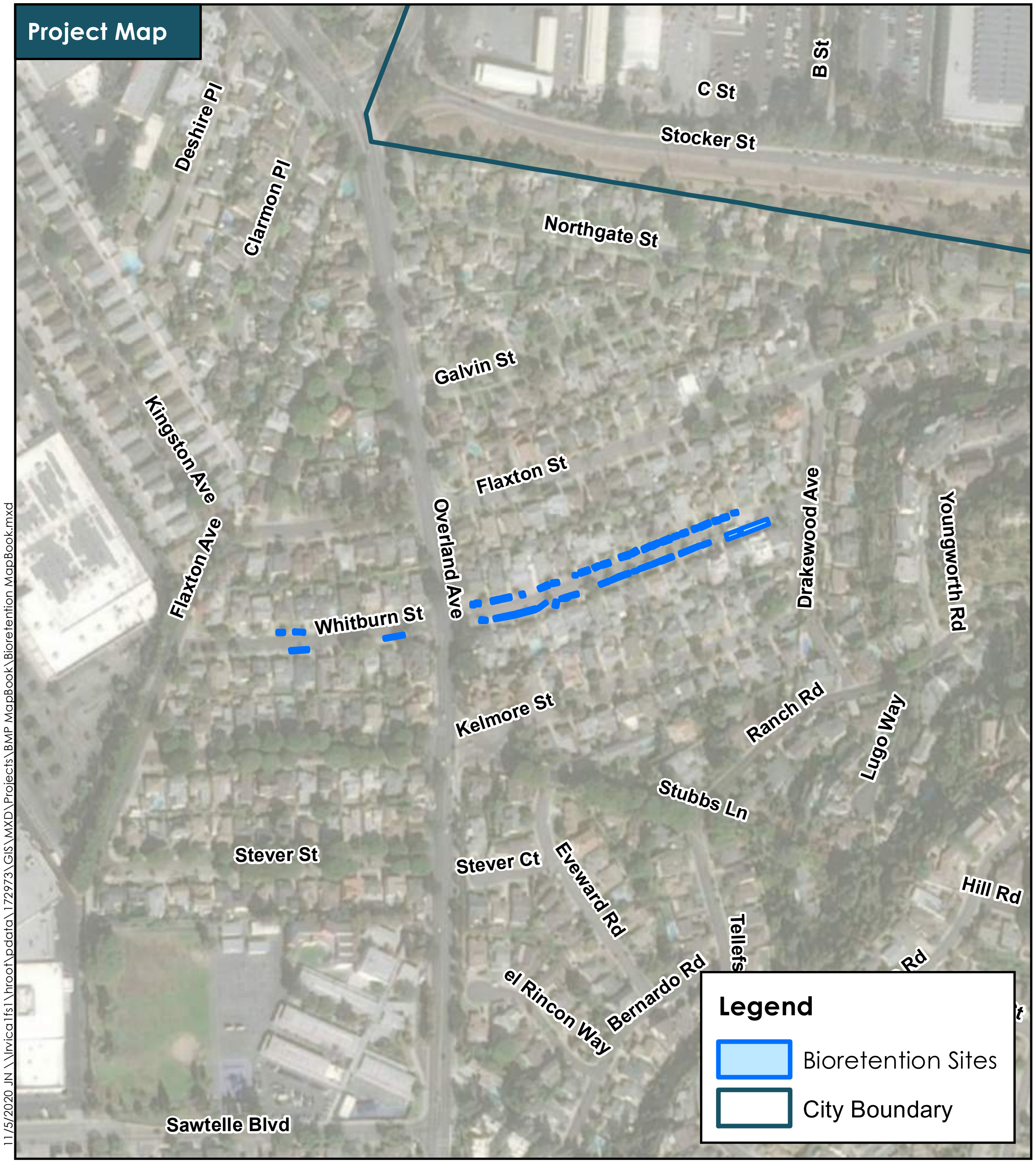
0 200 400 Feet

Source: City of Culver City

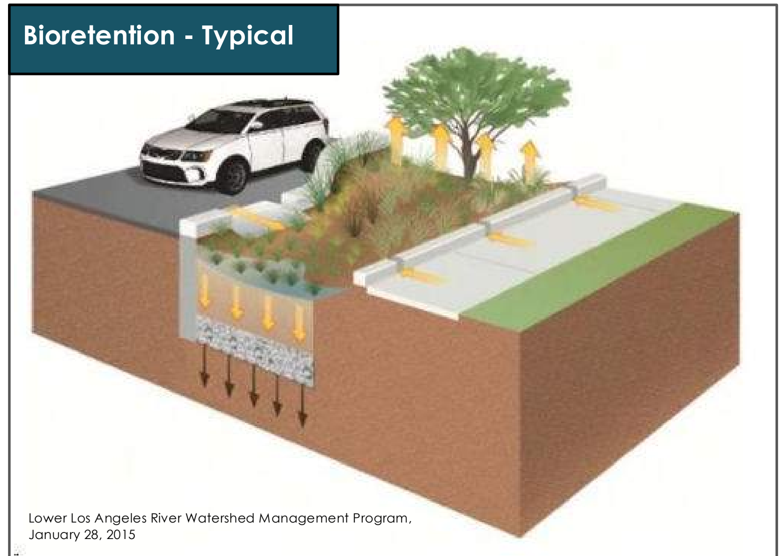
CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR244

Project Map

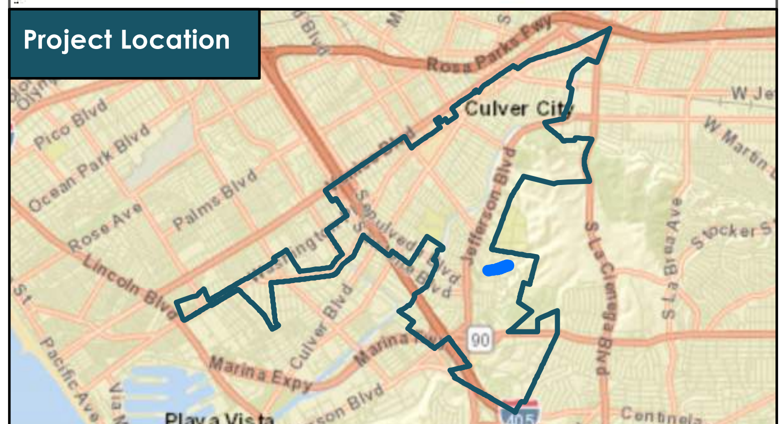


Bioretention - Typical



Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):	0.3
Drainage Area (ac):	3.59
Depth to Groundwater (ft):	71
EWMP Equivalent Volume (ac-ft):	0.26
Cost Estimate:	$ 176,078

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

0 200 400 Feet

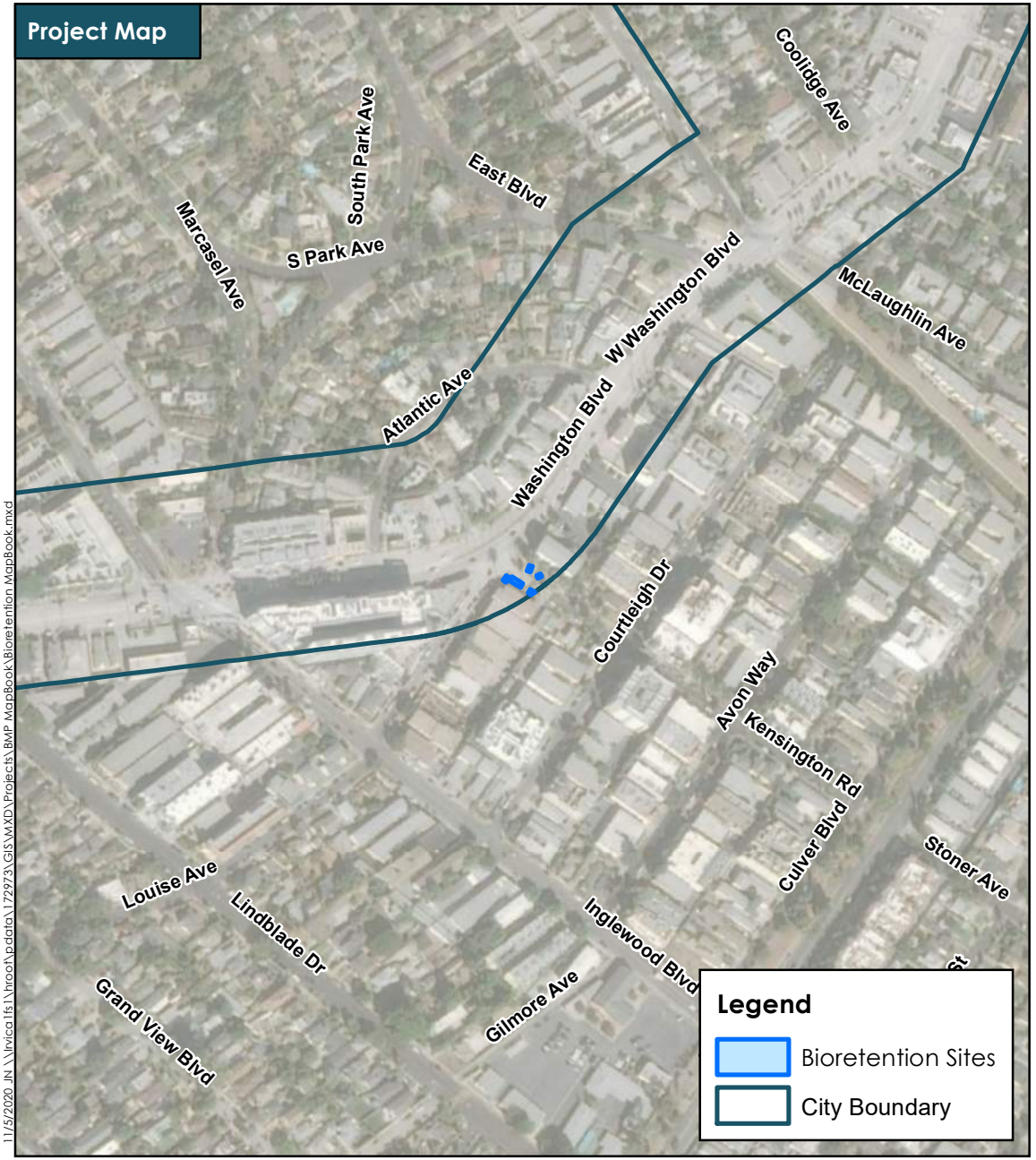
Source: City of Culver City

11/5/2020 JN \\lrvica1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR245

Project Map

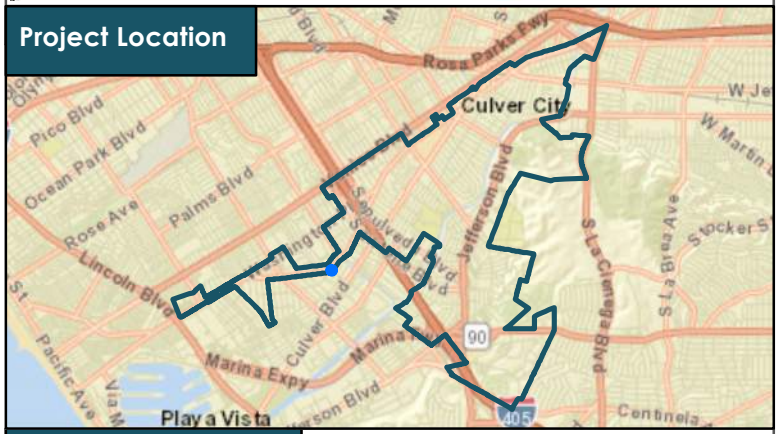


11/5/2020 JN \\Irvlcal1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.02
Drainage Area (ac):		0.3
Depth to Groundwater (ft):		36
EWMP Equivalient Volume (ac-ft):		0.01
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

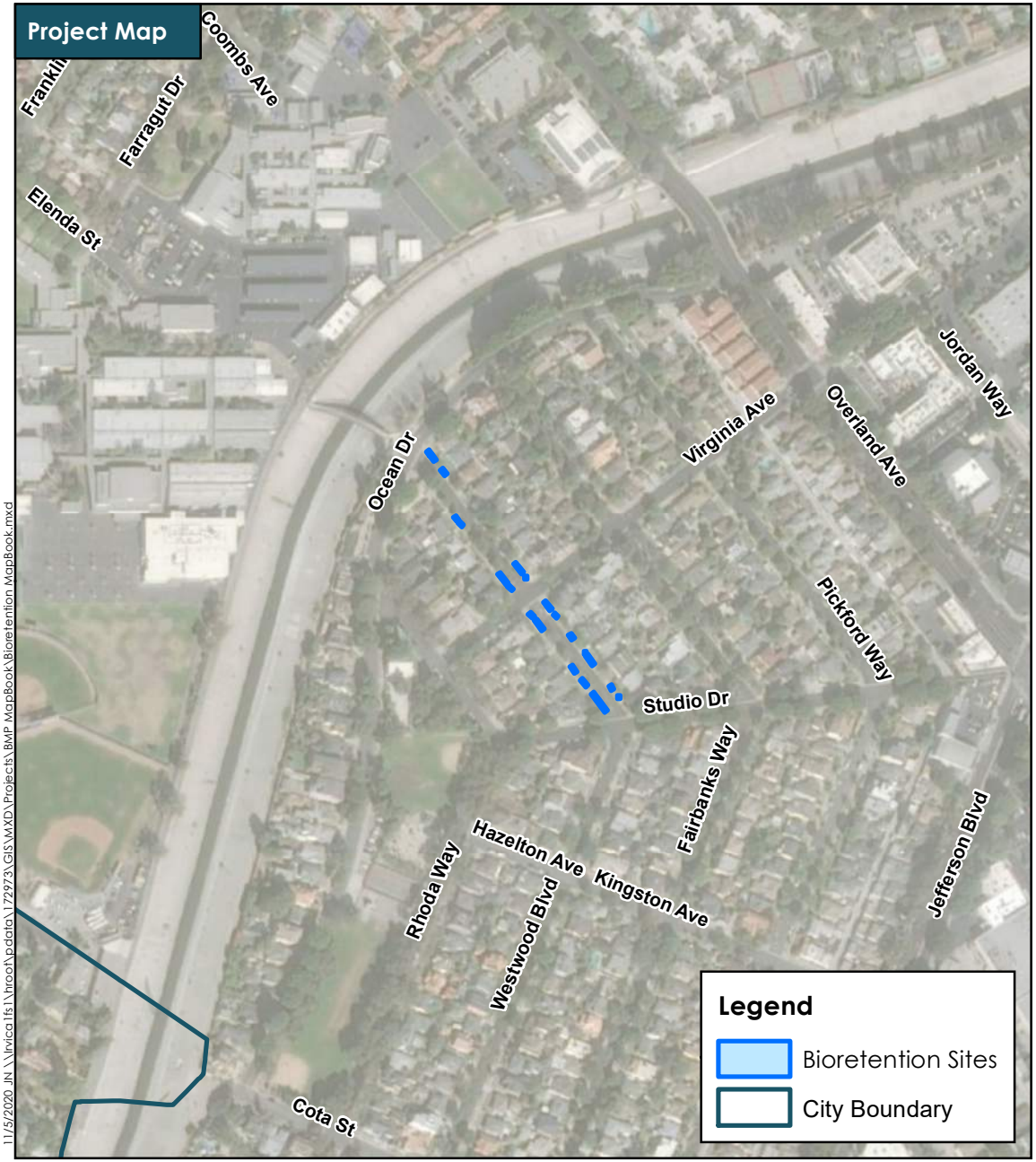
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR246

Project Map



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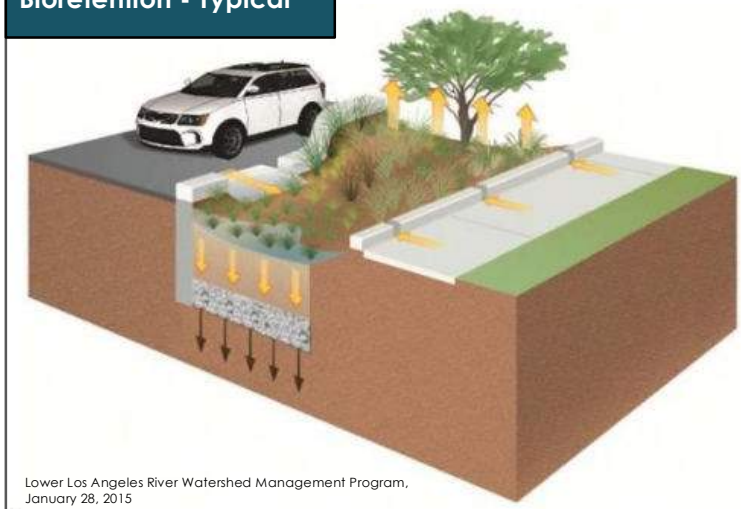
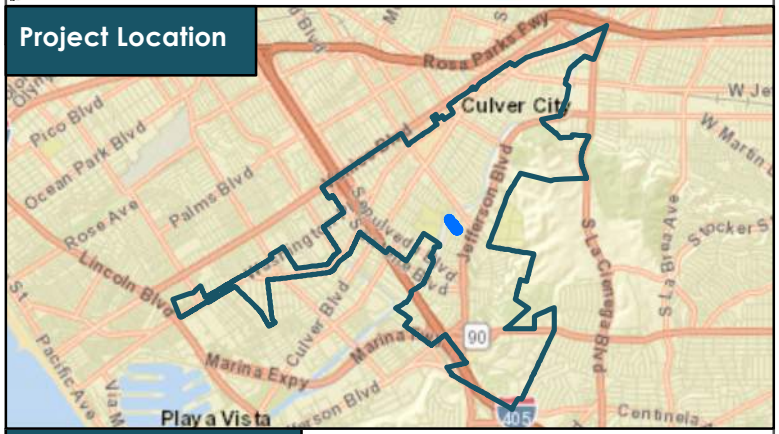
Bioretention - Typical



Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.1
Drainage Area (ac):		1.2
Depth to Groundwater (ft):		30
EWMP Equivalient Volume (ac-ft):		0.09
Cost Estimate:	$	58,864

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

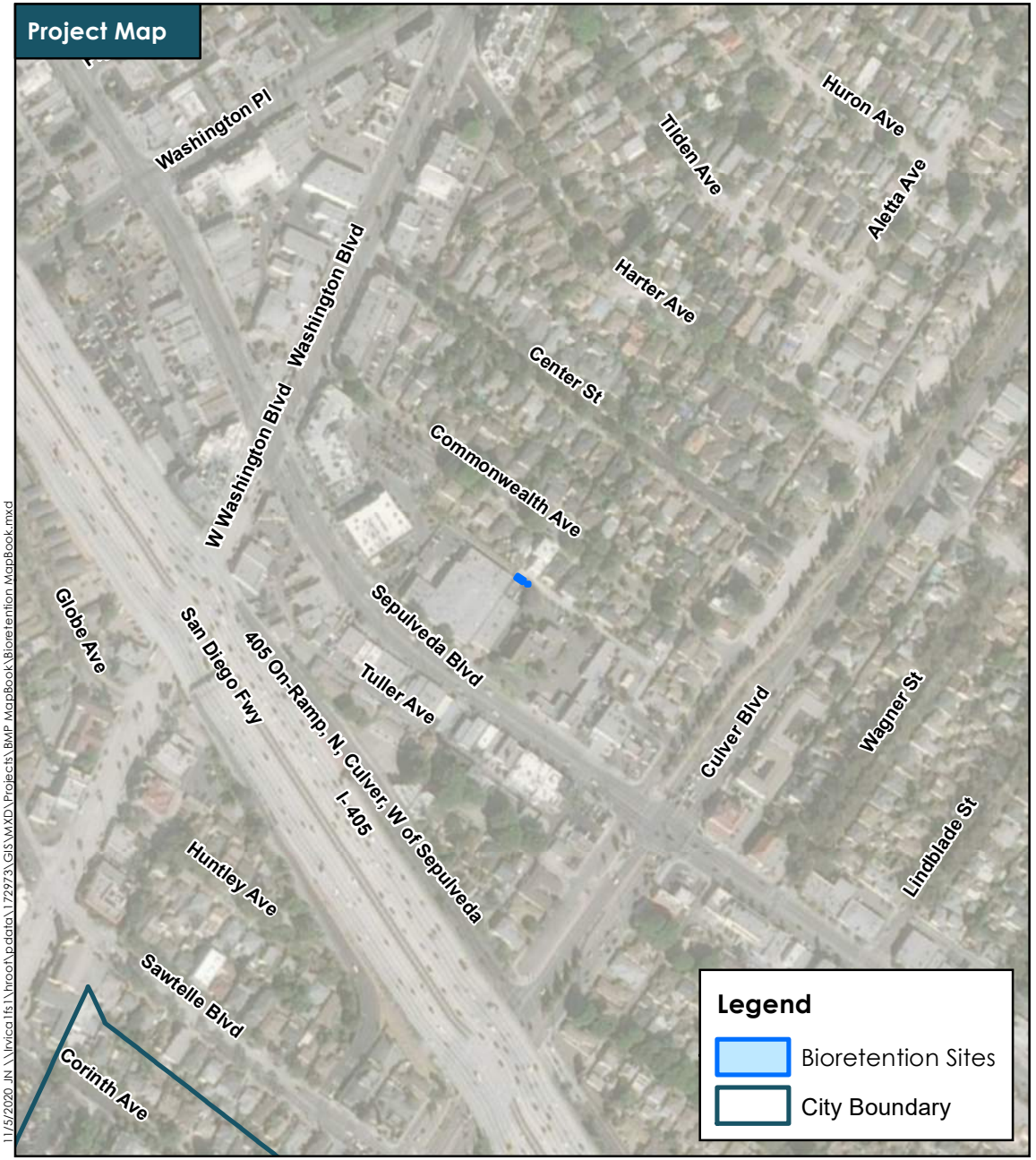
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR247

Project Map



11/5/2020 JN \\Irvlcal1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location

Project Information

Storage Capcity (ac-ft):		0.01
Drainage Area (ac):		0.09
Depth to Groundwater (ft):		25
EWMP Equivalient Volume (ac-ft):		0
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

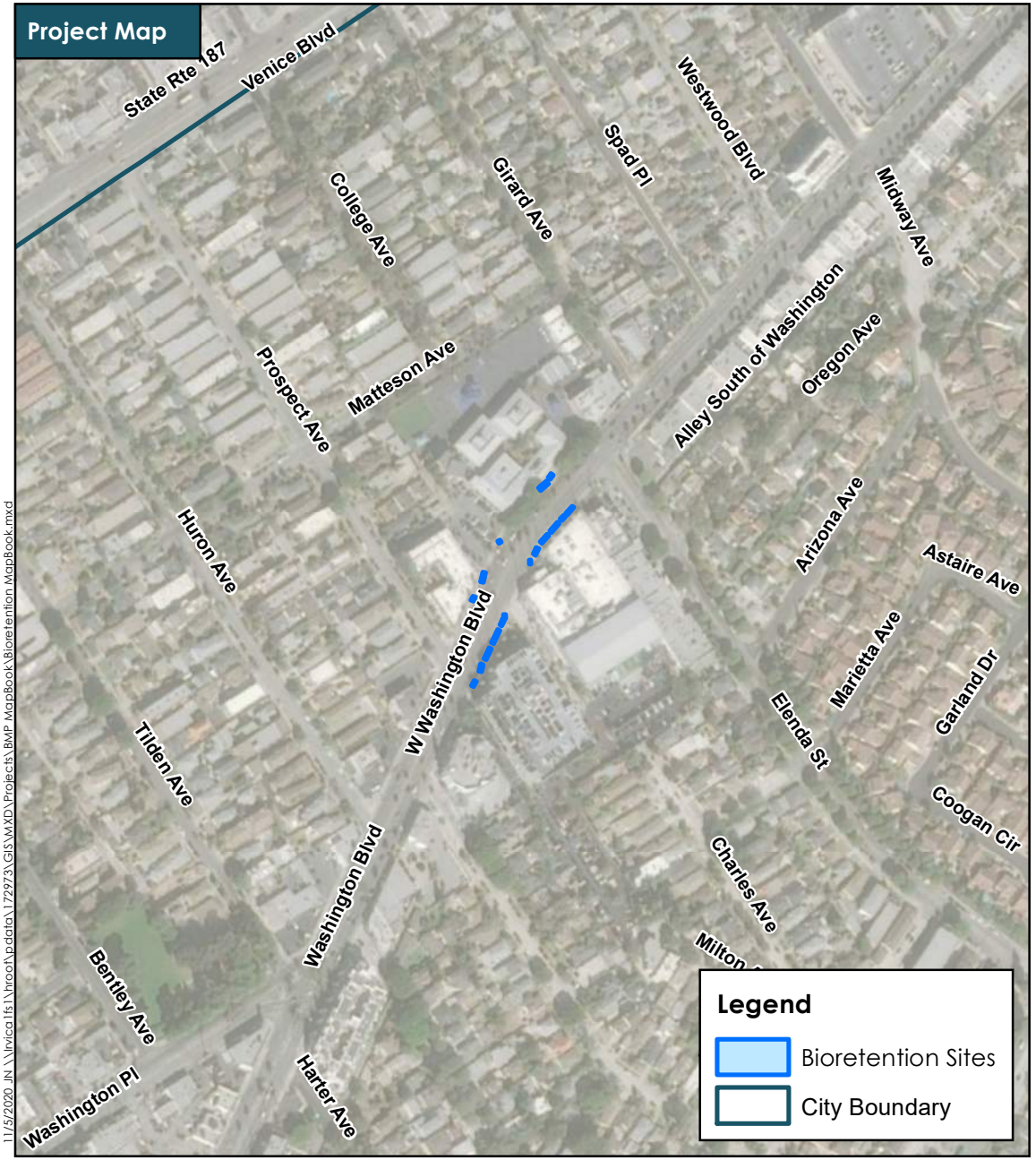
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR248

Project Map

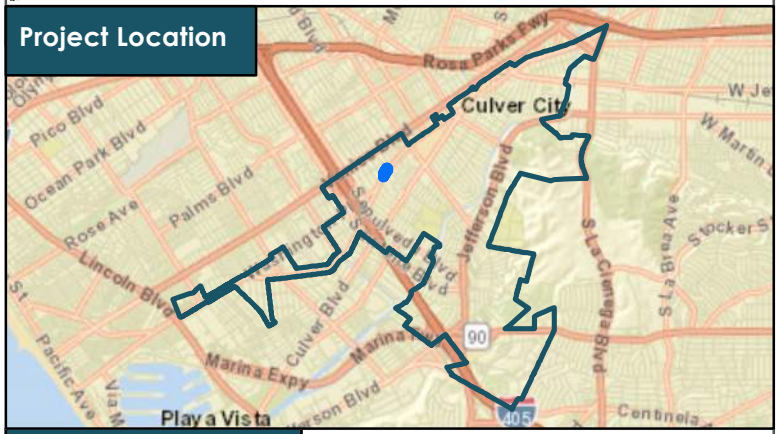


11/5/2020 JN \\Irvlcal1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.04
Drainage Area (ac):		0.51
Depth to Groundwater (ft):		32
EWMP Equivalient Volume (ac-ft):		0.02
Cost Estimate:	$	25,035

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

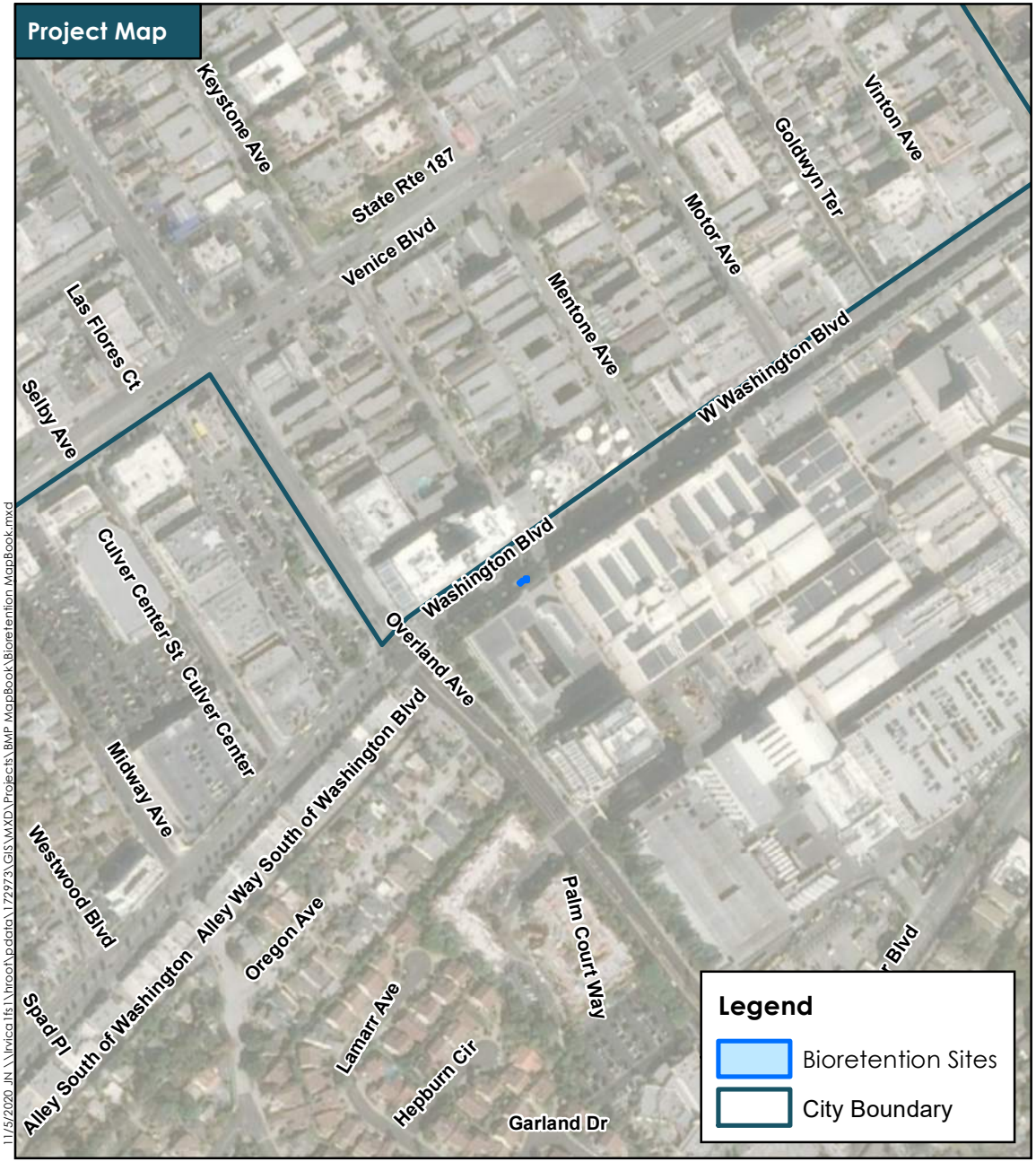
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR249

Project Map

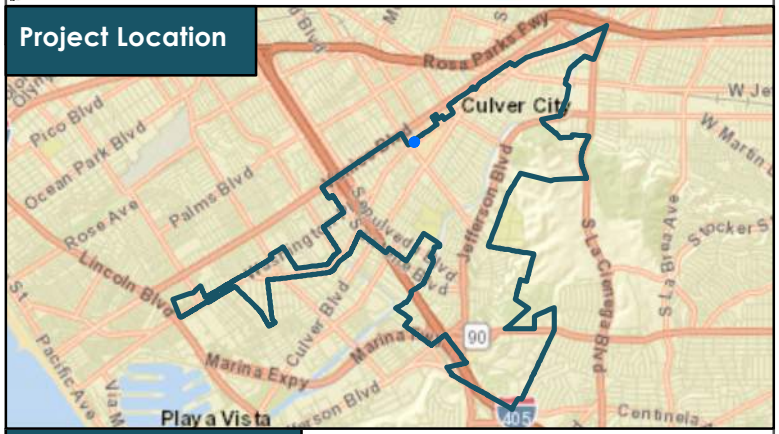


11/5/2020 JN \\Irvlca1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0
Drainage Area (ac):		0.02
Depth to Groundwater (ft):		47
EWMP Equivalient Volume (ac-ft):		0
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

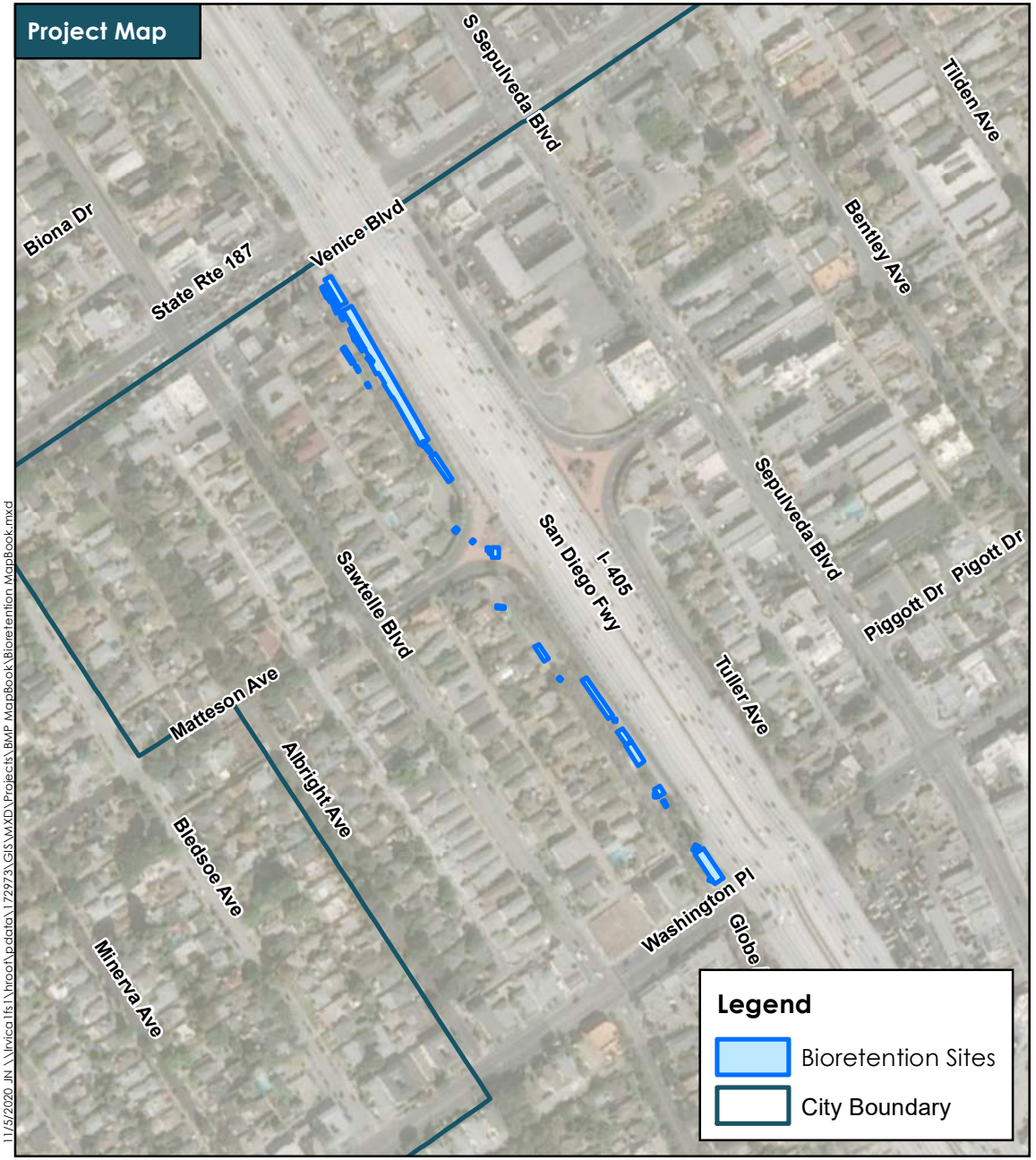
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR250

Project Map



11/5/2020 JN \\Irvlcal1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location

Project Information

Storage Capcity (ac-ft):		0.81
Drainage Area (ac):		9.86
Depth to Groundwater (ft):		46
EWMP Equivalient Volume (ac-ft):		0.44
Cost Estimate:	$	483,559

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

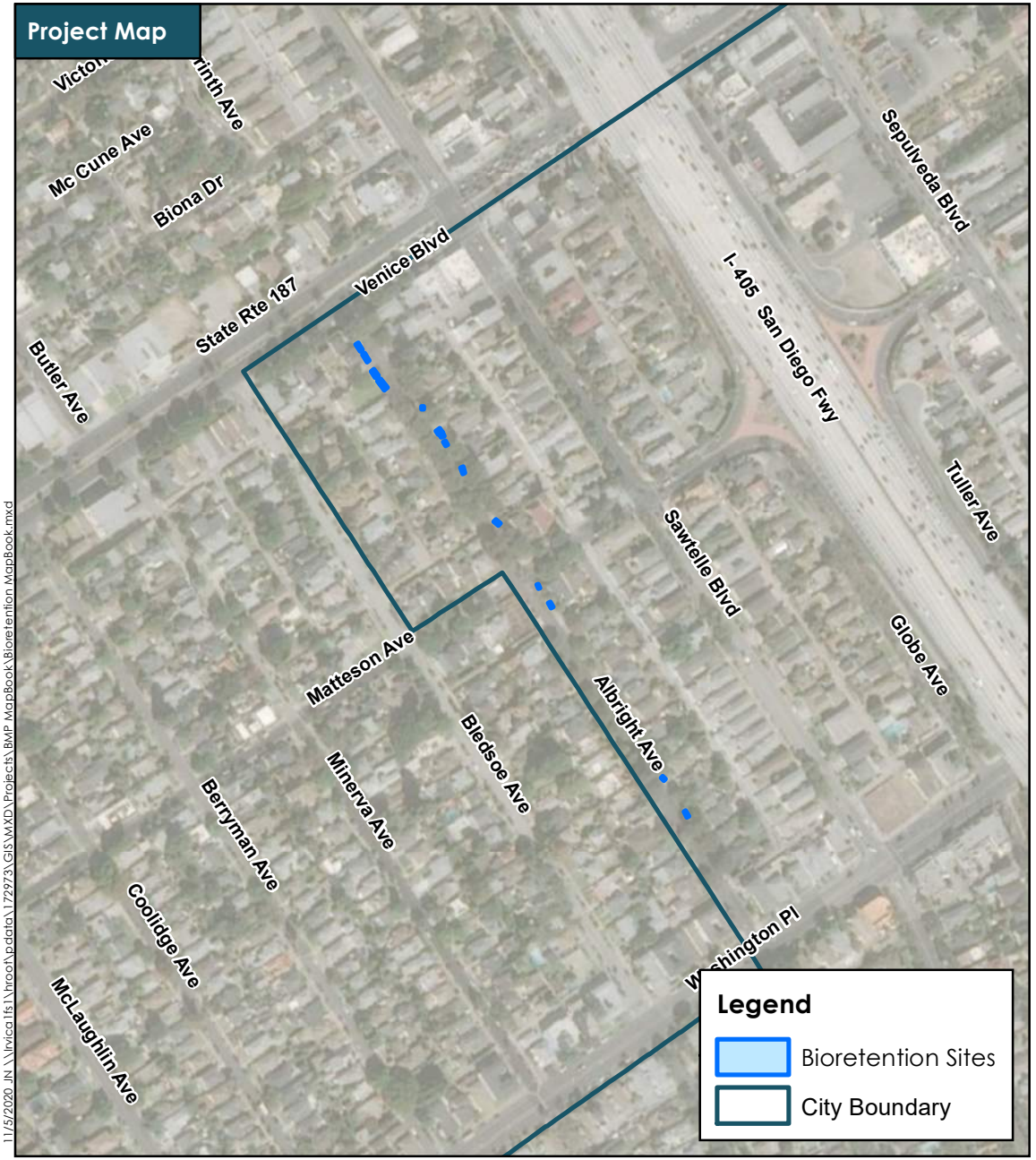
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

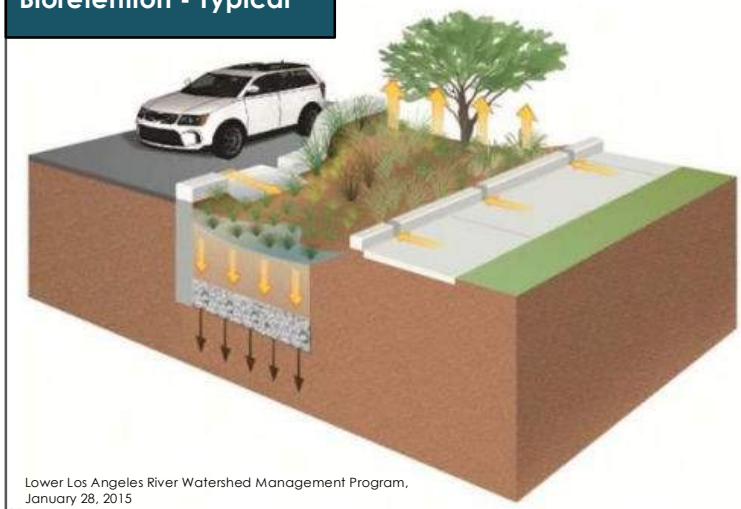
Bioretention Site: BR251

Project Map



11/5/2020 JN \\Irvlca1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical



Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location

Project Information

Storage Capcity (ac-ft):		0.04
Drainage Area (ac):		0.44
Depth to Groundwater (ft):		49
EWMP Equivalient Volume (ac-ft):		0.02
Cost Estimate:	$	21,729

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

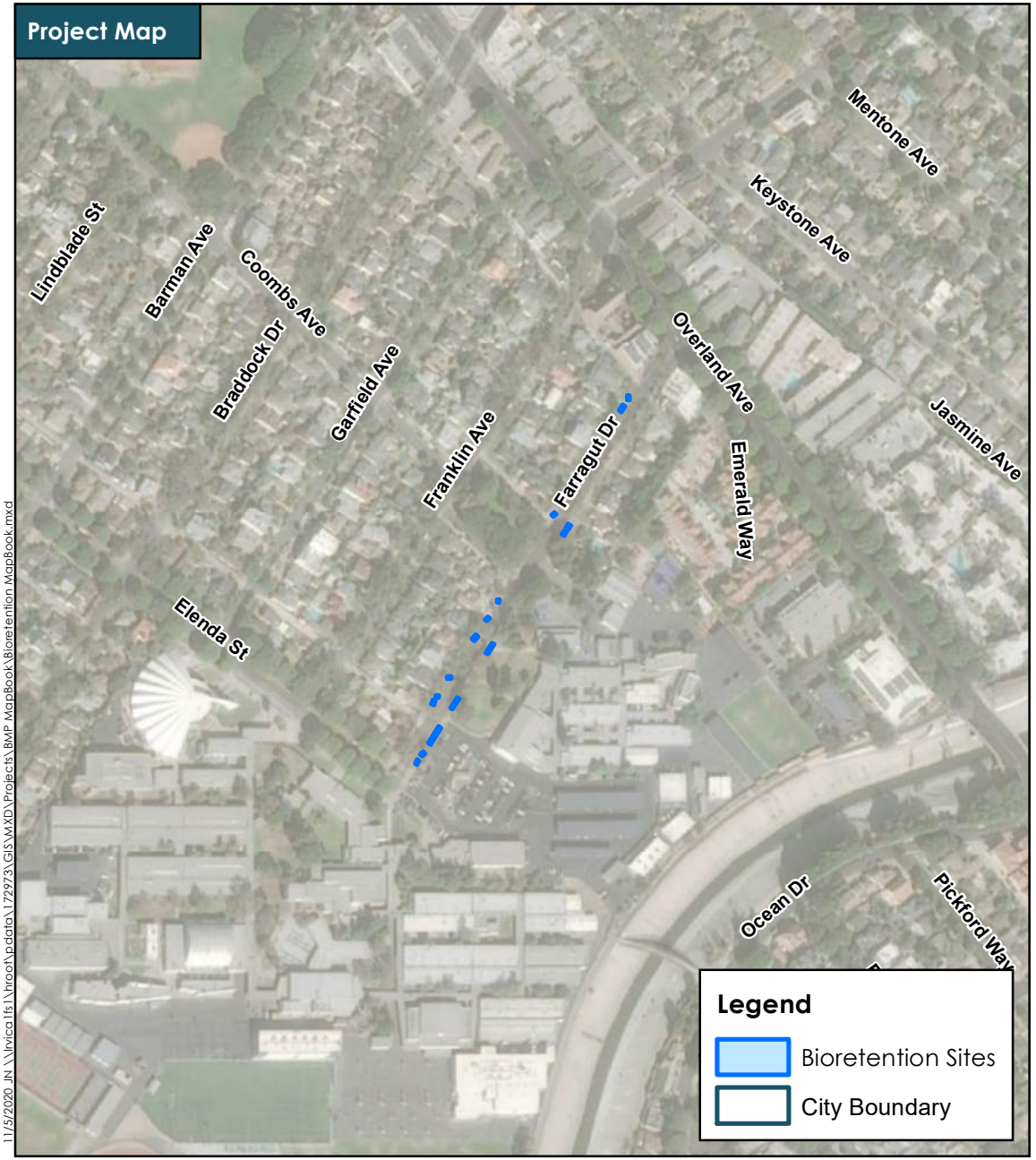
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR252

Project Map



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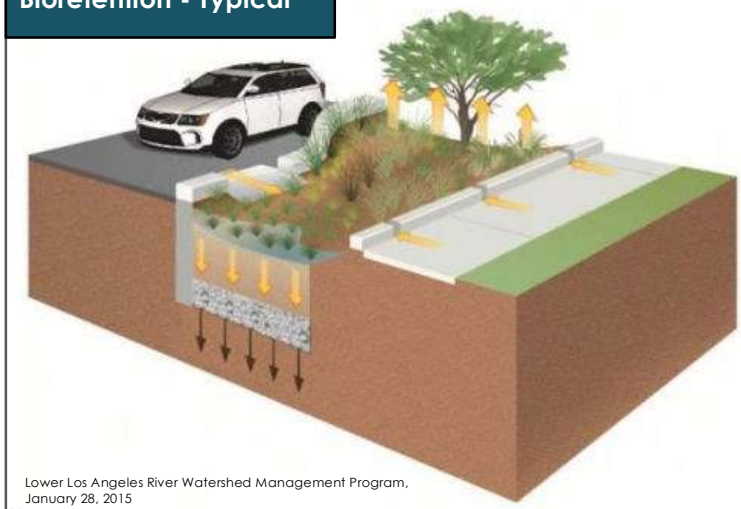
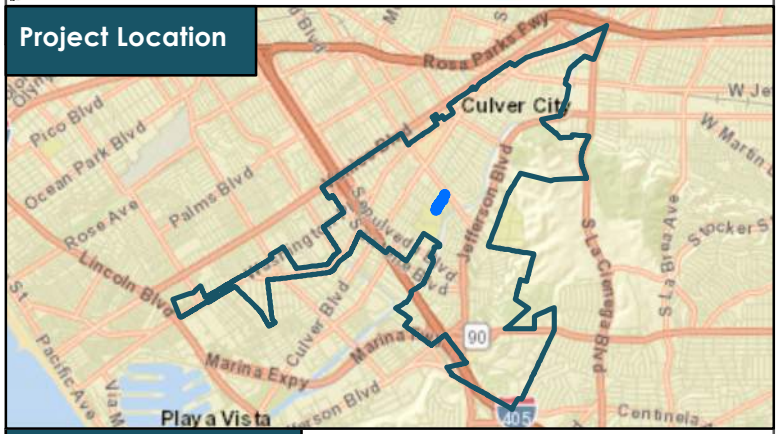
Bioretention - Typical



Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.03
Drainage Area (ac):		0.32
Depth to Groundwater (ft):		35
EWMP Equivalient Volume (ac-ft):		0.01
Cost Estimate:	$	15,455

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

Blue Ocean Civil Consulting | Michael Baker International

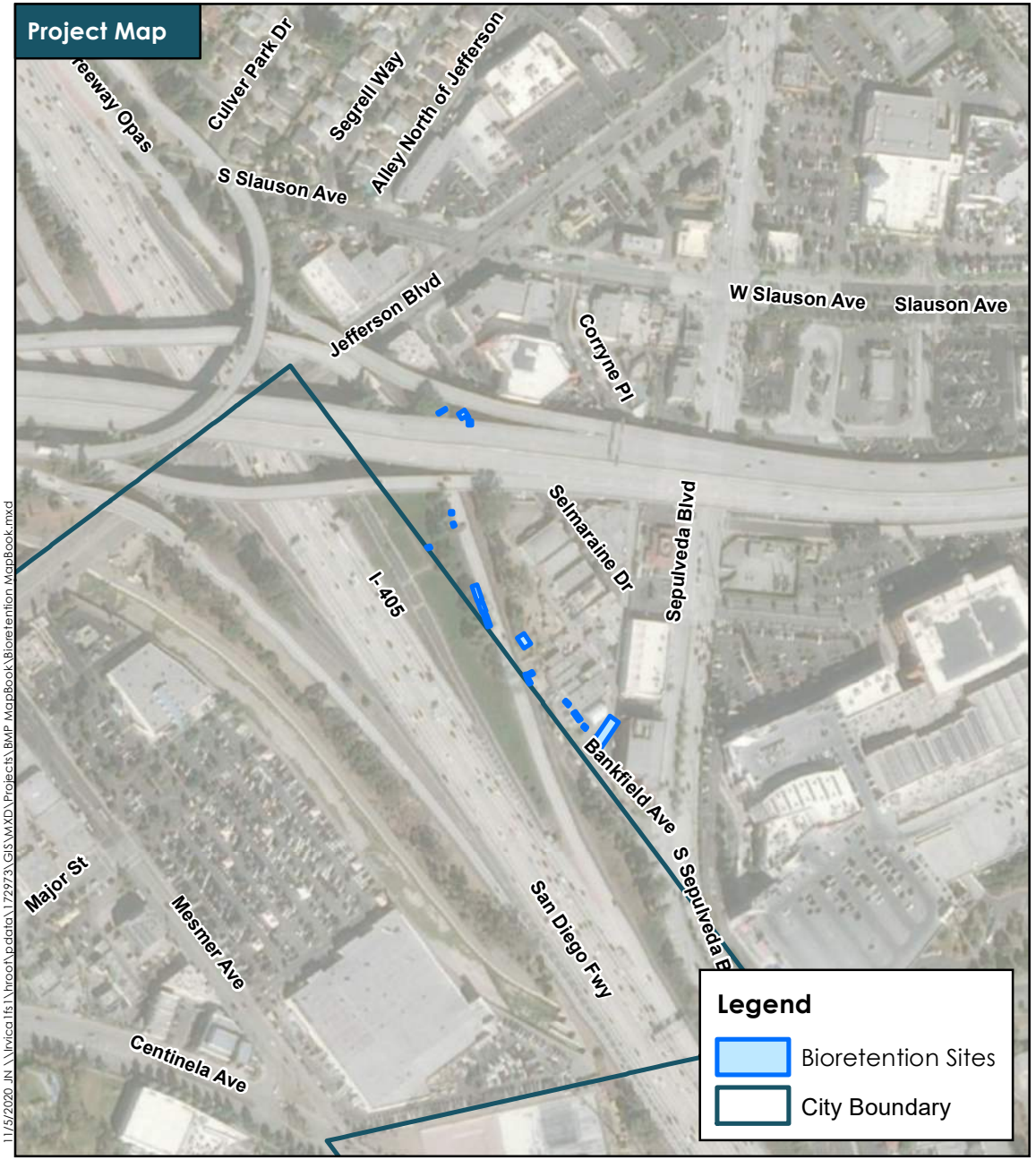
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR253

Project Map

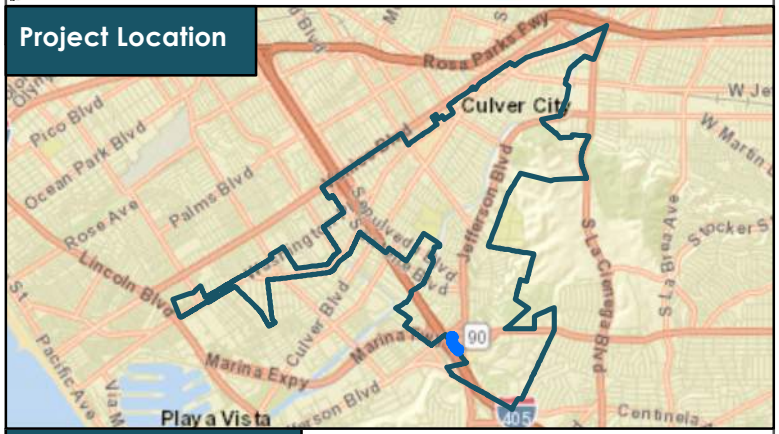


11/5/2020 JN \\Irvlca1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.11
Drainage Area (ac):		1.33
Depth to Groundwater (ft):		15
EWMP Equivalient Volume (ac-ft):		0.11
Cost Estimate:	$	65,337

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

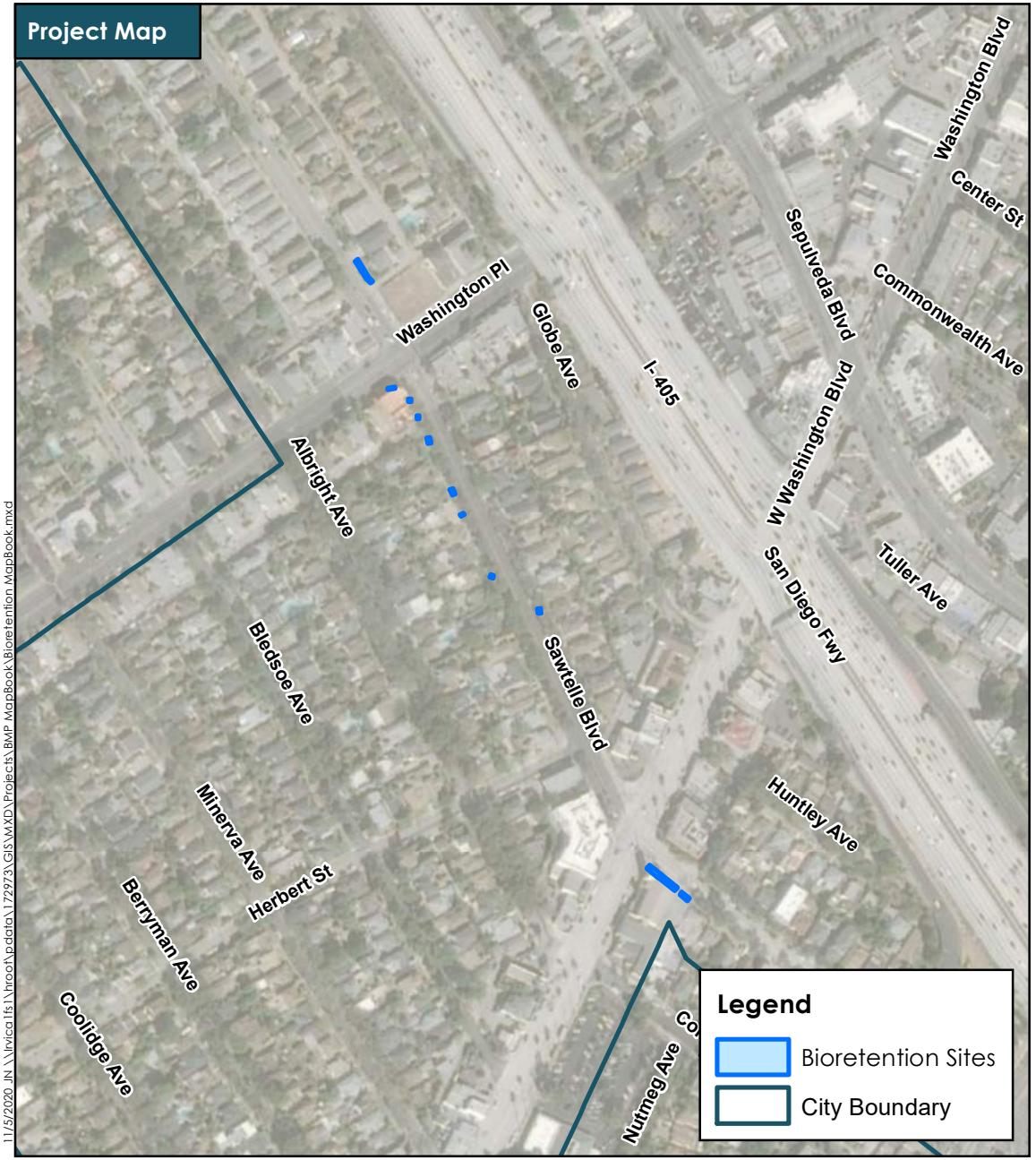
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR254

Project Map

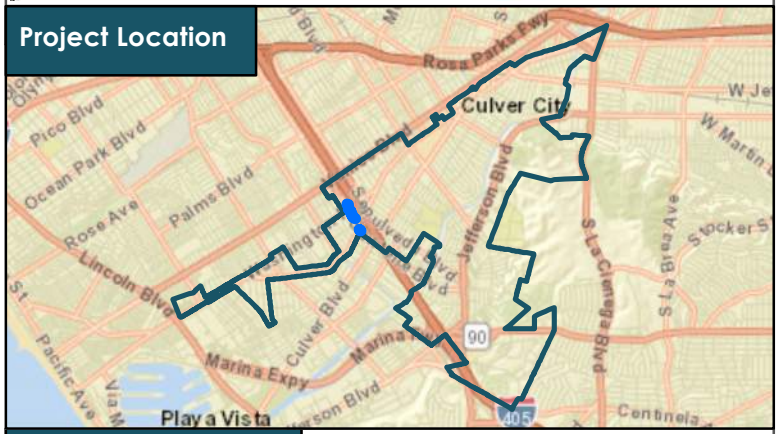


11/5/2020 JN \\Irvlcal1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.07
Drainage Area (ac):		0.86
Depth to Groundwater (ft):		28
EWMP Equivalient Volume (ac-ft):		0.04
Cost Estimate:	$	41,925

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

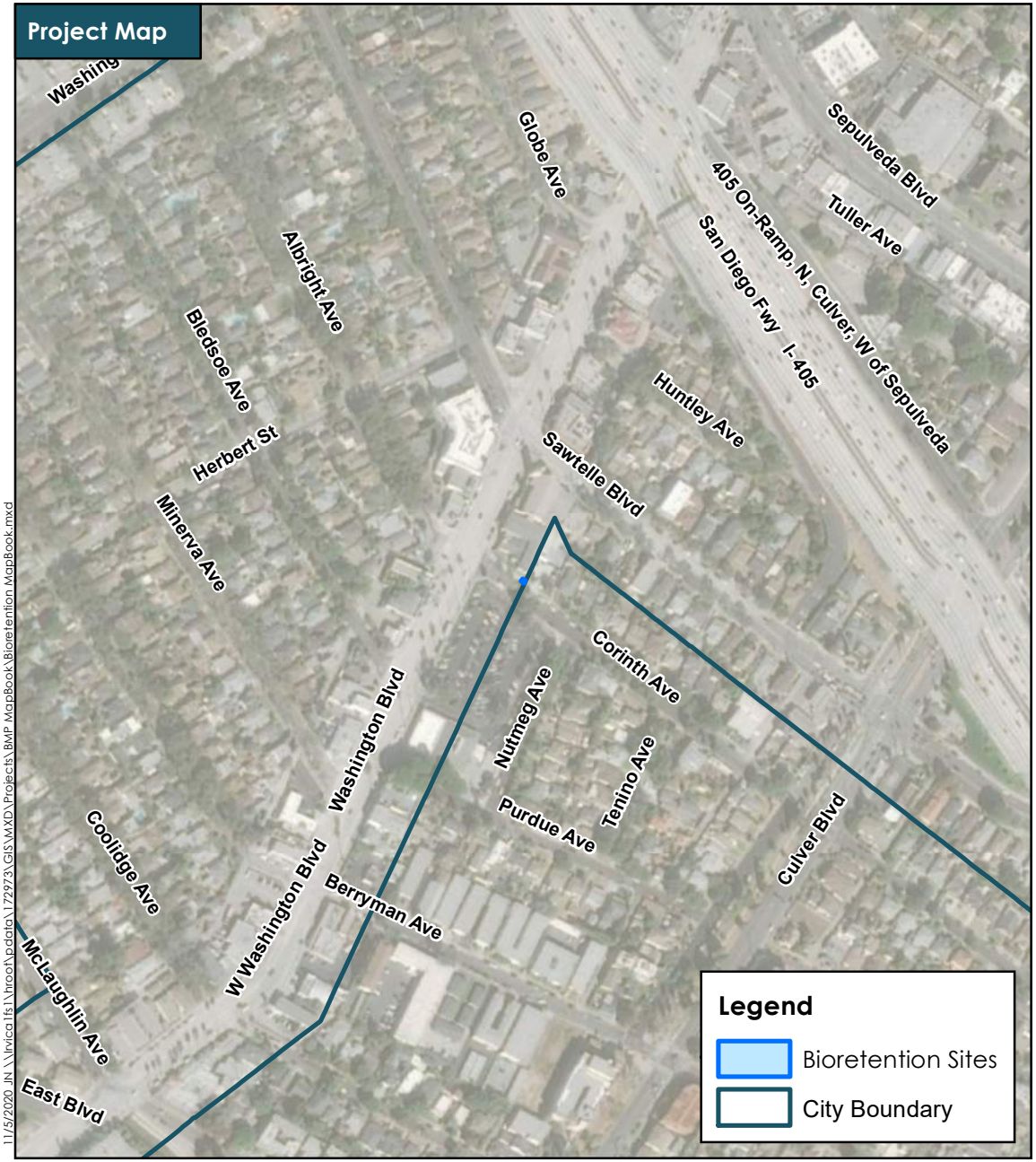
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR255

Project Map

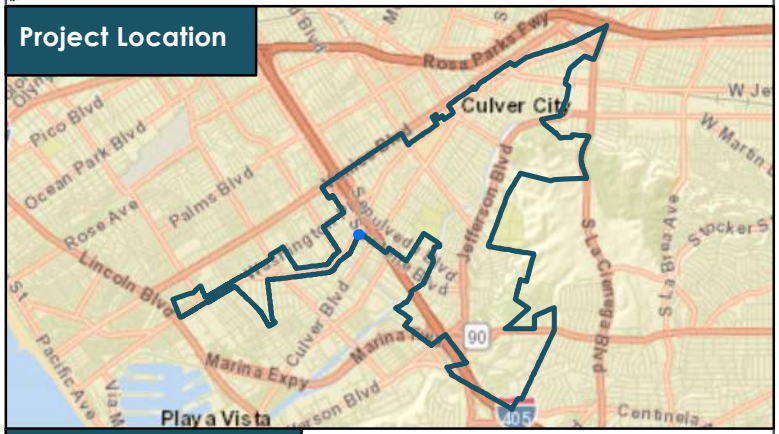


11/5/2020 JN \\Irvlcal1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0
Drainage Area (ac):		0.02
Depth to Groundwater (ft):		29
EWMP Equivalient Volume (ac-ft):		0
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

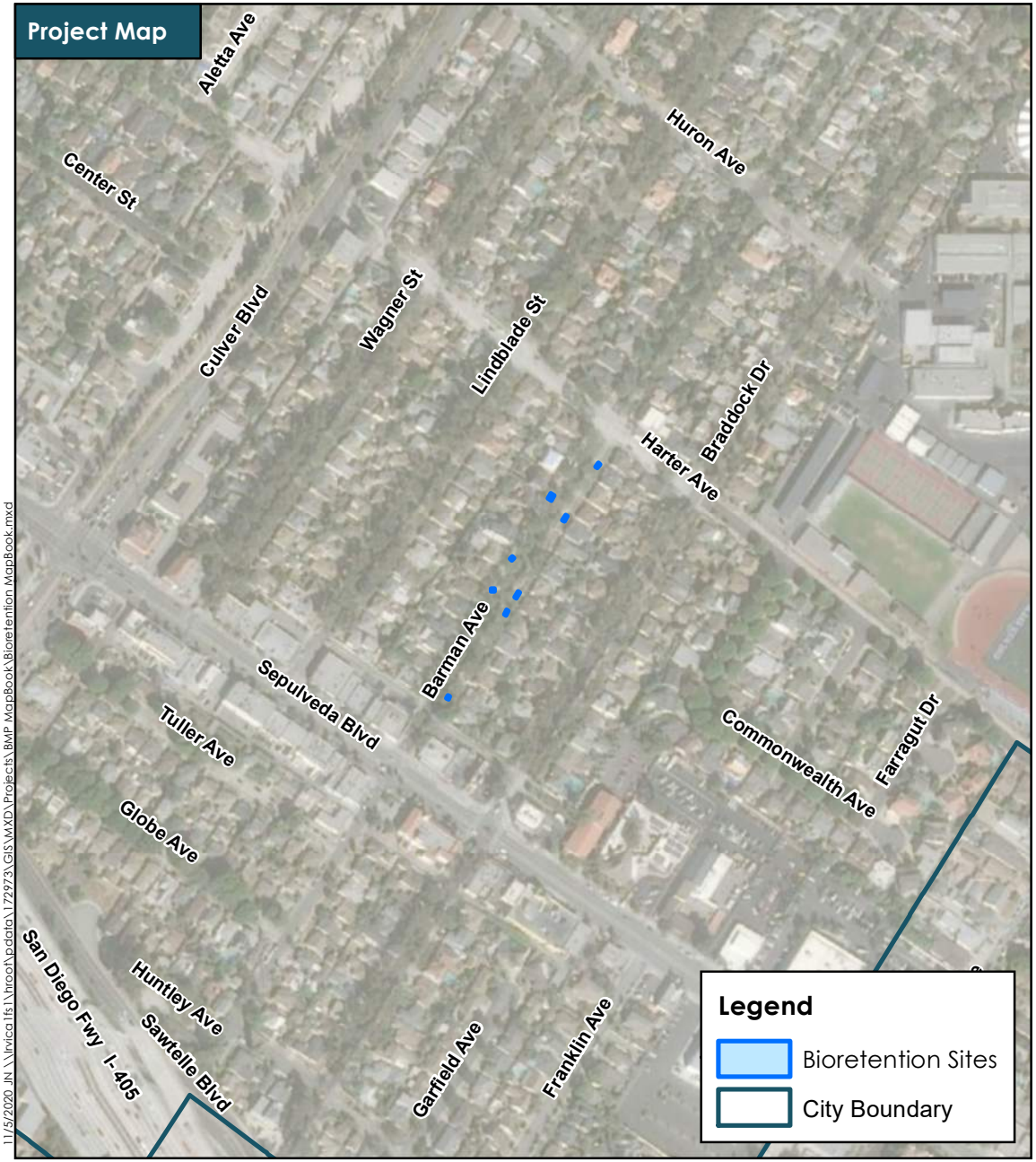
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR256

Project Map

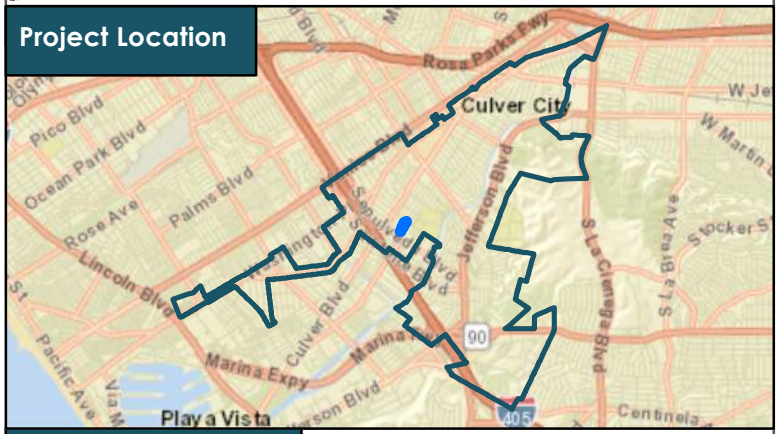


11/5/2020 JN \\Irvlcal1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.01
Drainage Area (ac):		0.15
Depth to Groundwater (ft):		21
EWMP Equivalient Volume (ac-ft):		0.01
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

Michael Baker INTERNATIONAL

BLUE OCEAN CIVIL CONSULTING

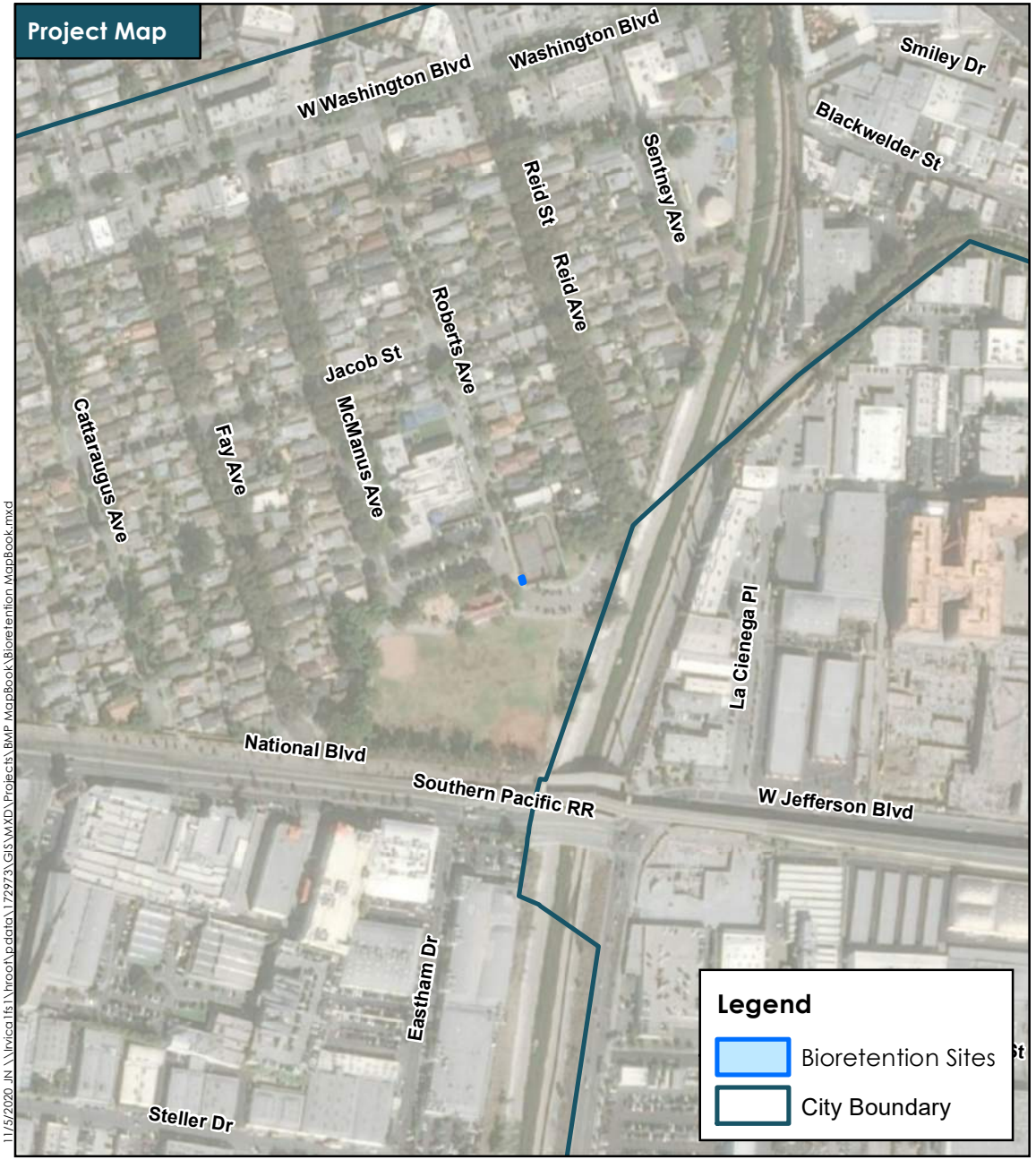
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

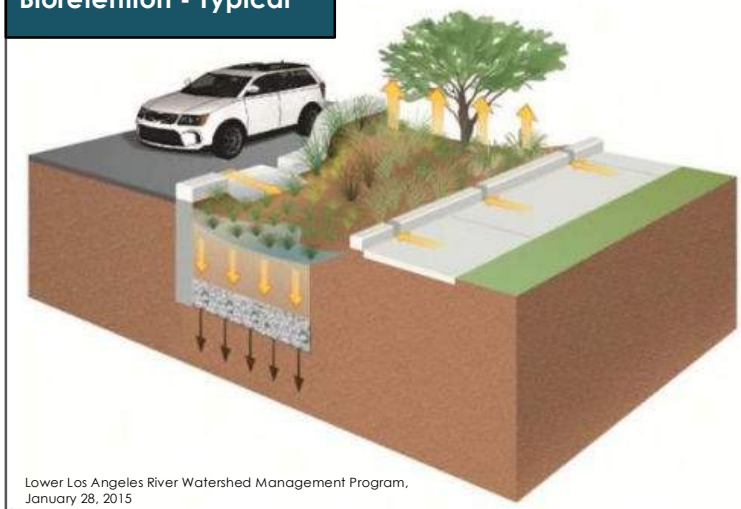
Bioretention Site: BR257

Project Map



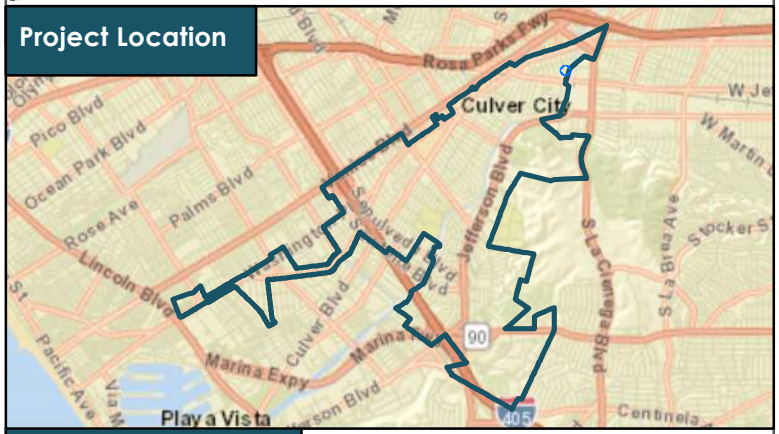
11/5/2020 JN \\Irvlca1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical



Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0
Drainage Area (ac):		0.02
Depth to Groundwater (ft):		25
EWMP Equivalient Volume (ac-ft):		0
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

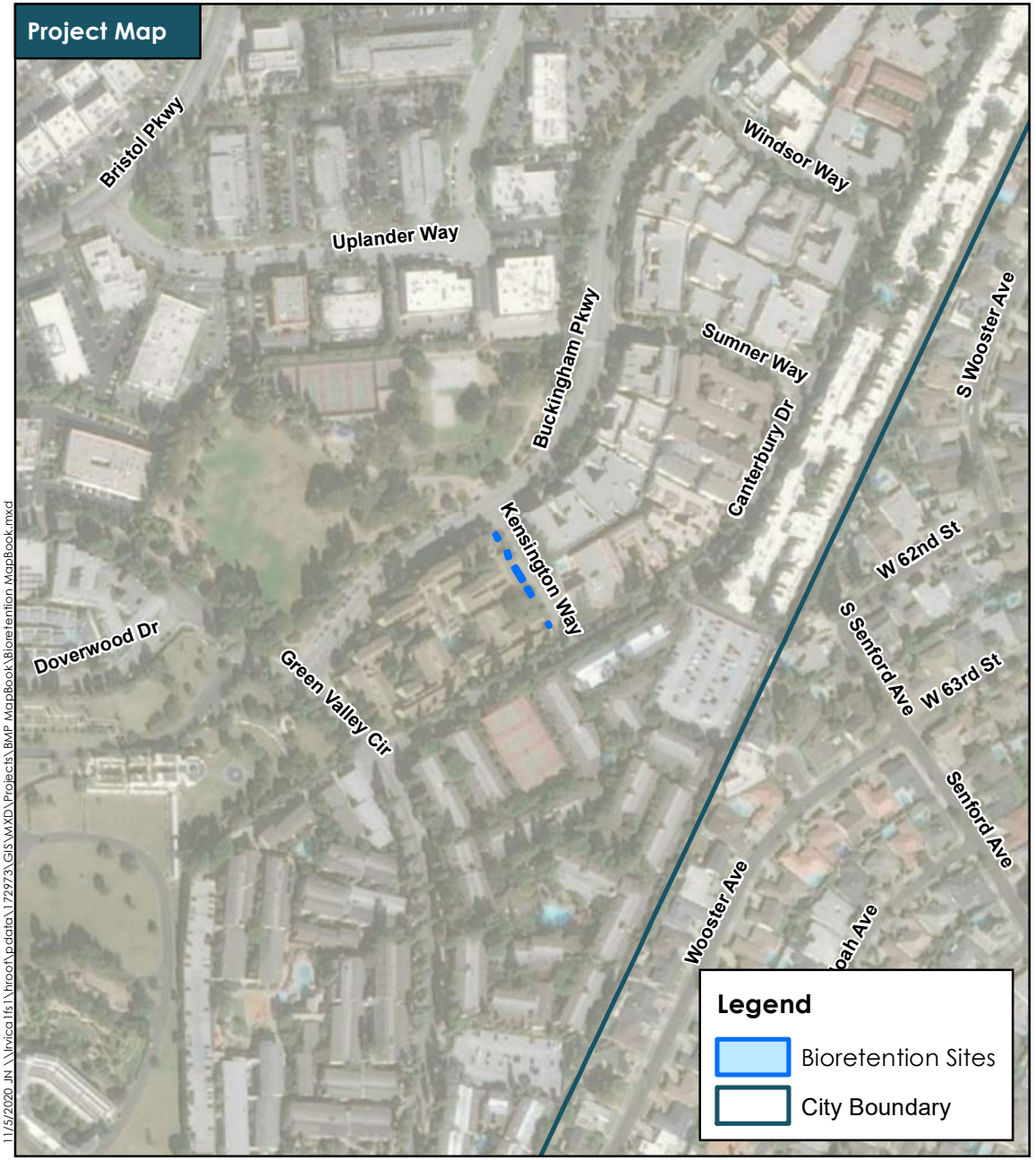
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR258

Project Map

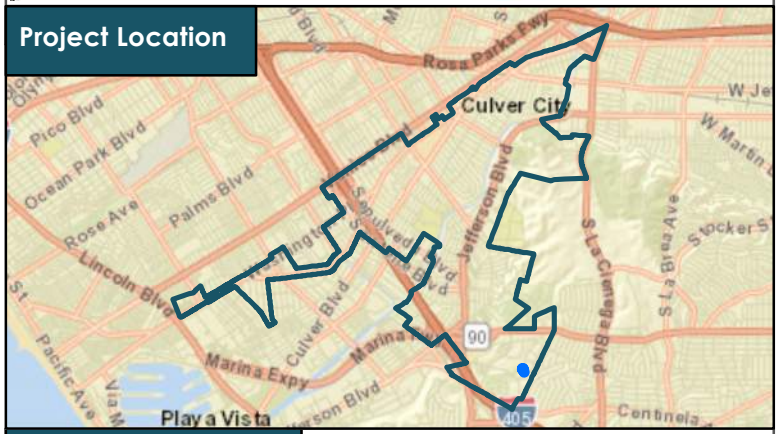


11/5/2020 JN \\Irvlcal1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.01
Drainage Area (ac):		0.15
Depth to Groundwater (ft):		63
EWMP Equivalient Volume (ac-ft):		0.01
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

0 200 400 Feet

Source: City of Culver City

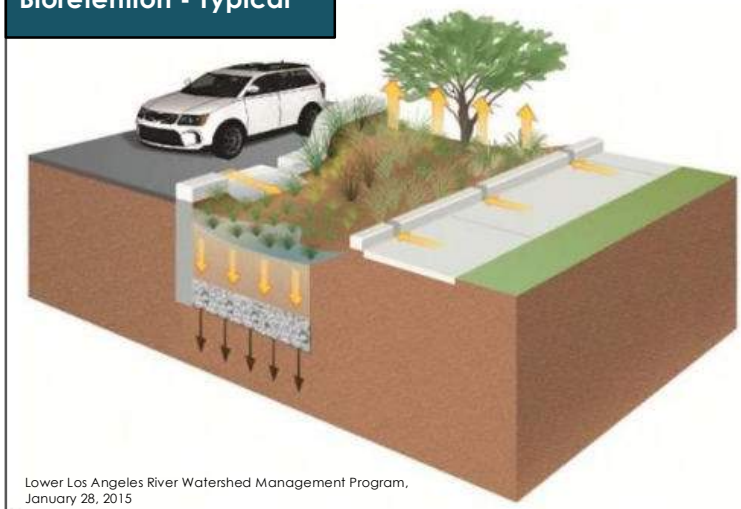
CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR259

Project Map

11/5/2020 JN \\Irvlcal1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical



Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location

Project Information

Storage Capcity (ac-ft):		0.08
Drainage Area (ac):		1.03
Depth to Groundwater (ft):		29
EWMP Equivalient Volume (ac-ft):		0.05
Cost Estimate:	$	50,379

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

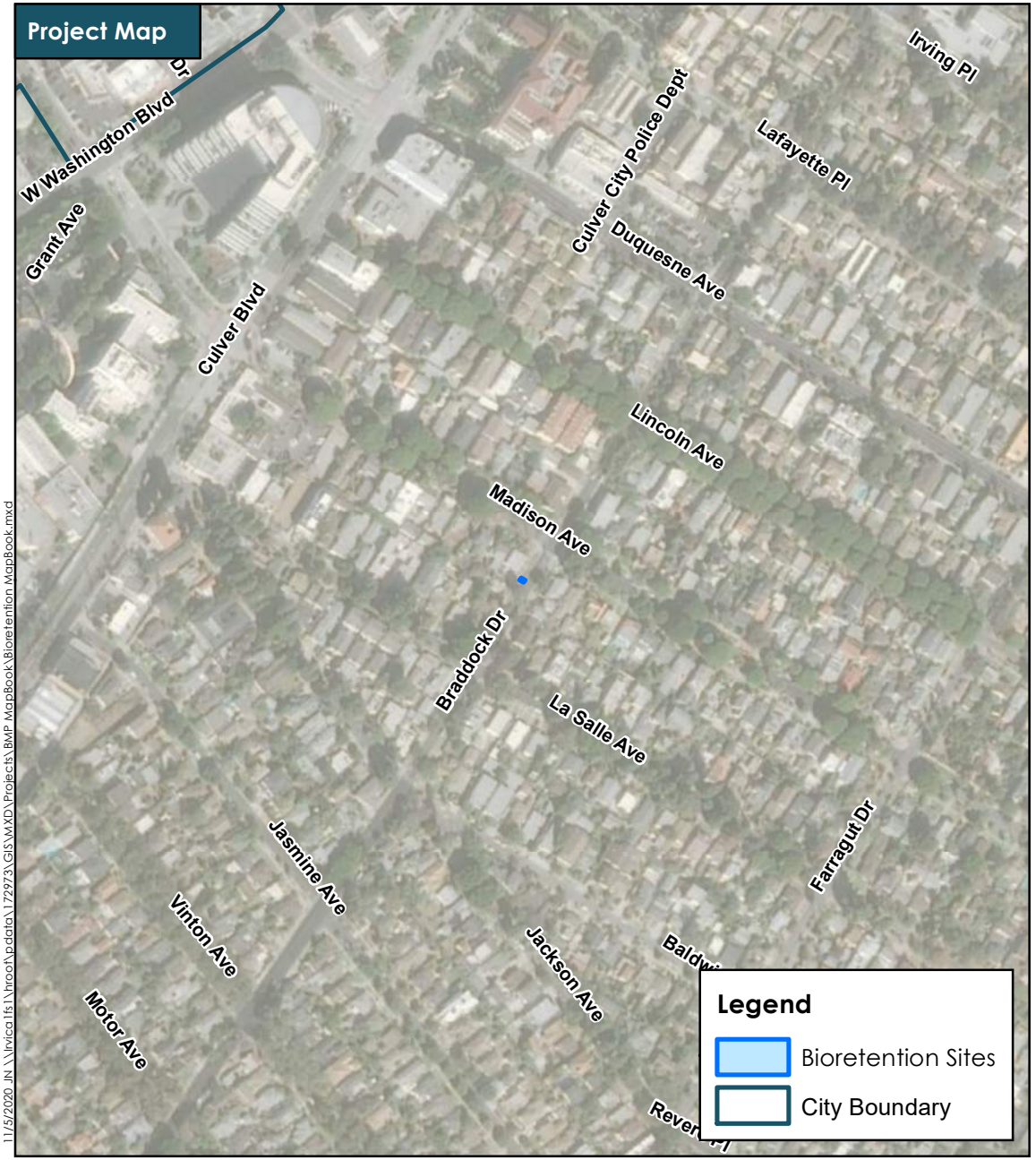
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR260

Project Map

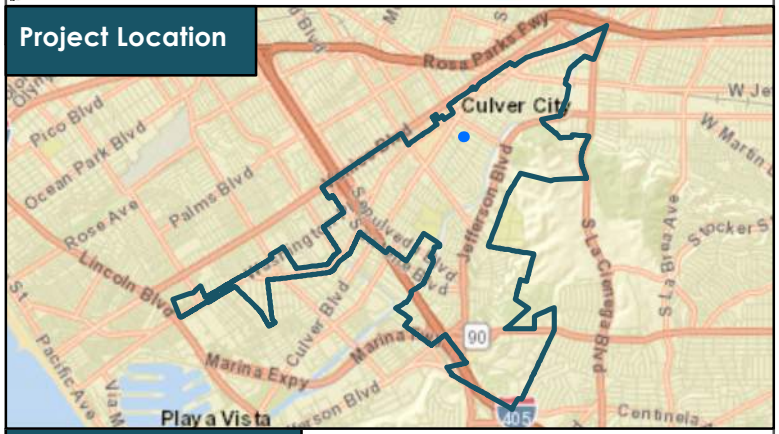


11/5/2020 JN \\Irvlcal1fs1\hroot\pdata\172973\GIS\MXD\Projects\BMP MapBook\Bioretention MapBook.mxd

Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0
Drainage Area (ac):		0.01
Depth to Groundwater (ft):		27
EWMP Equivalient Volume (ac-ft):		0
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

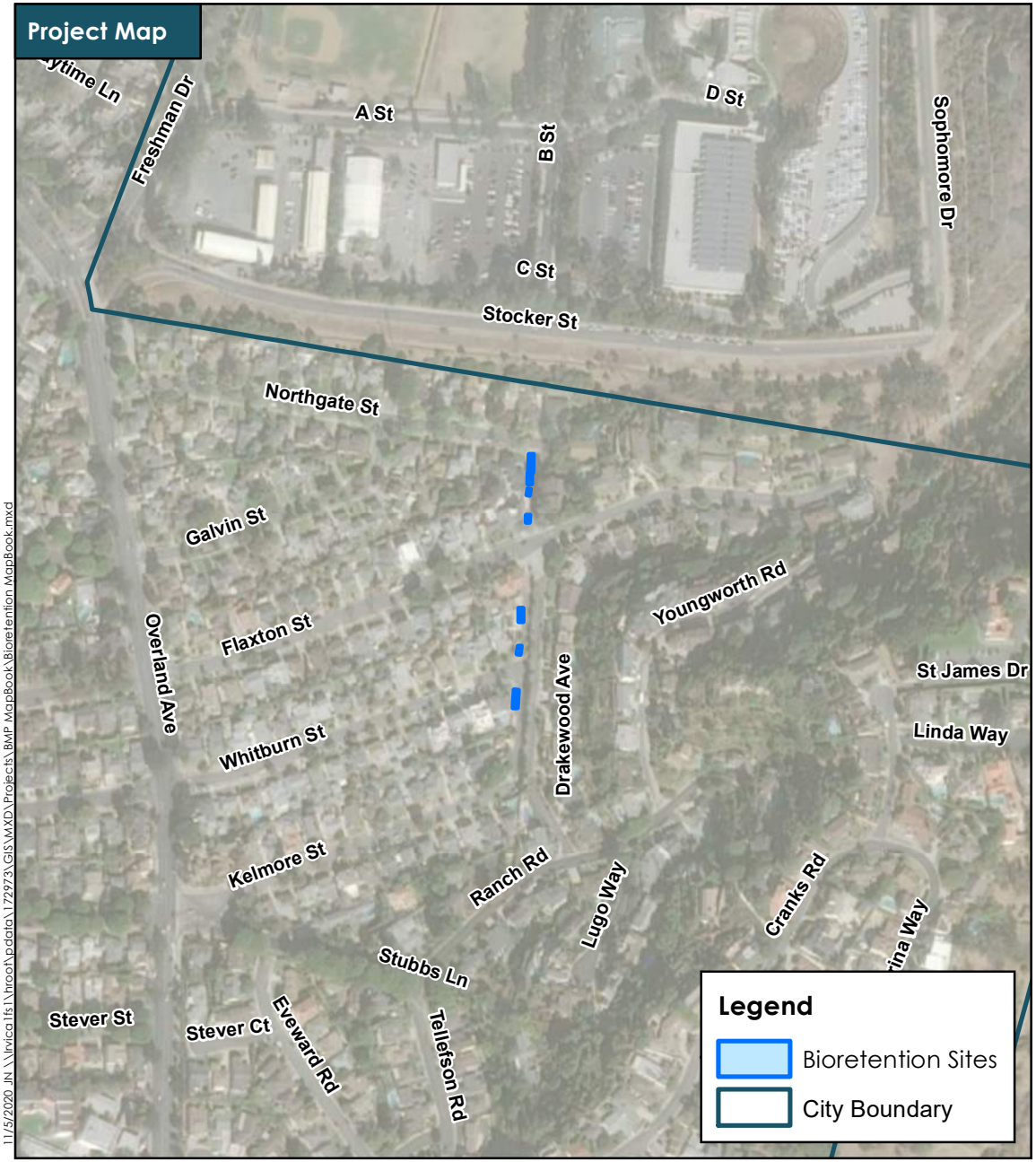
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR261

Project Map



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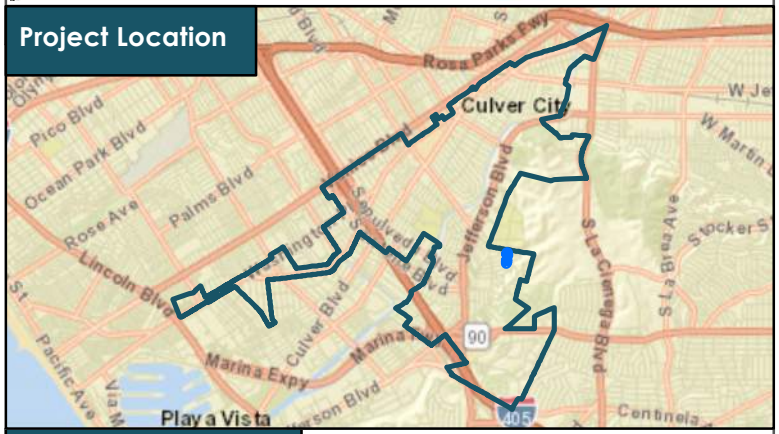
Bioretention - Typical

Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location



Project Information

Storage Capcity (ac-ft):		0.07
Drainage Area (ac):		0.84
Depth to Groundwater (ft):		77
EWMP Equivalient Volume (ac-ft):		0.06
Cost Estimate:	$	41,156

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

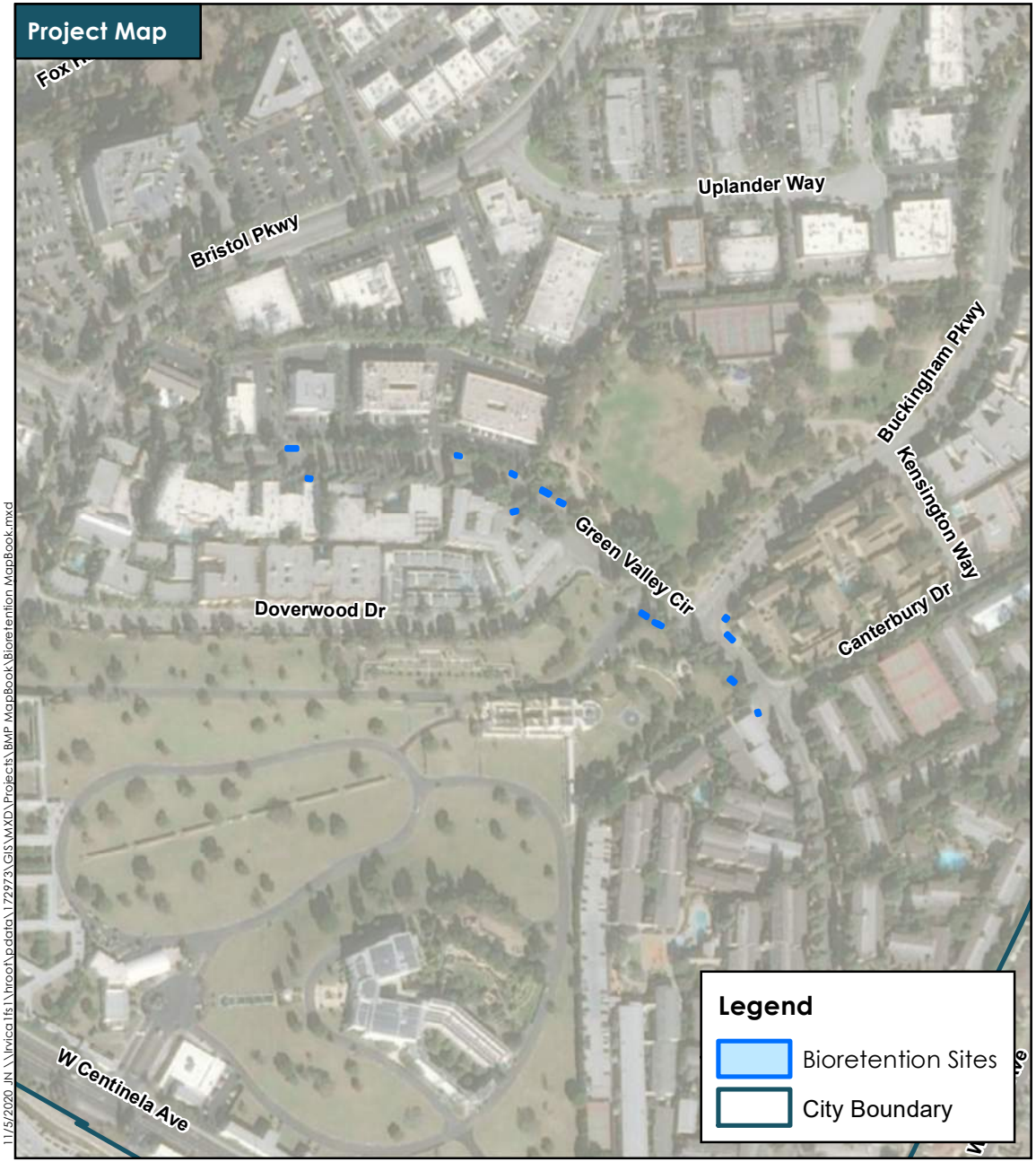
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR262

Project Map



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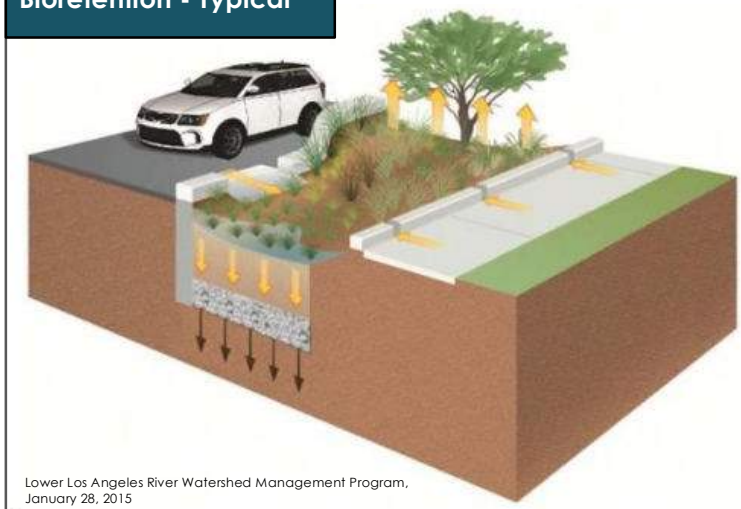
Bioretention - Typical



Lower Los Angeles River Watershed Management Program, January 28, 2015

Project Location

Project Information

Storage Capcity (ac-ft):		0.02
Drainage Area (ac):		0.25
Depth to Groundwater (ft):		54
EWMP Equivalient Volume (ac-ft):		0.02
Cost Estimate:	$	15,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

Michael Baker INTERNATIONAL

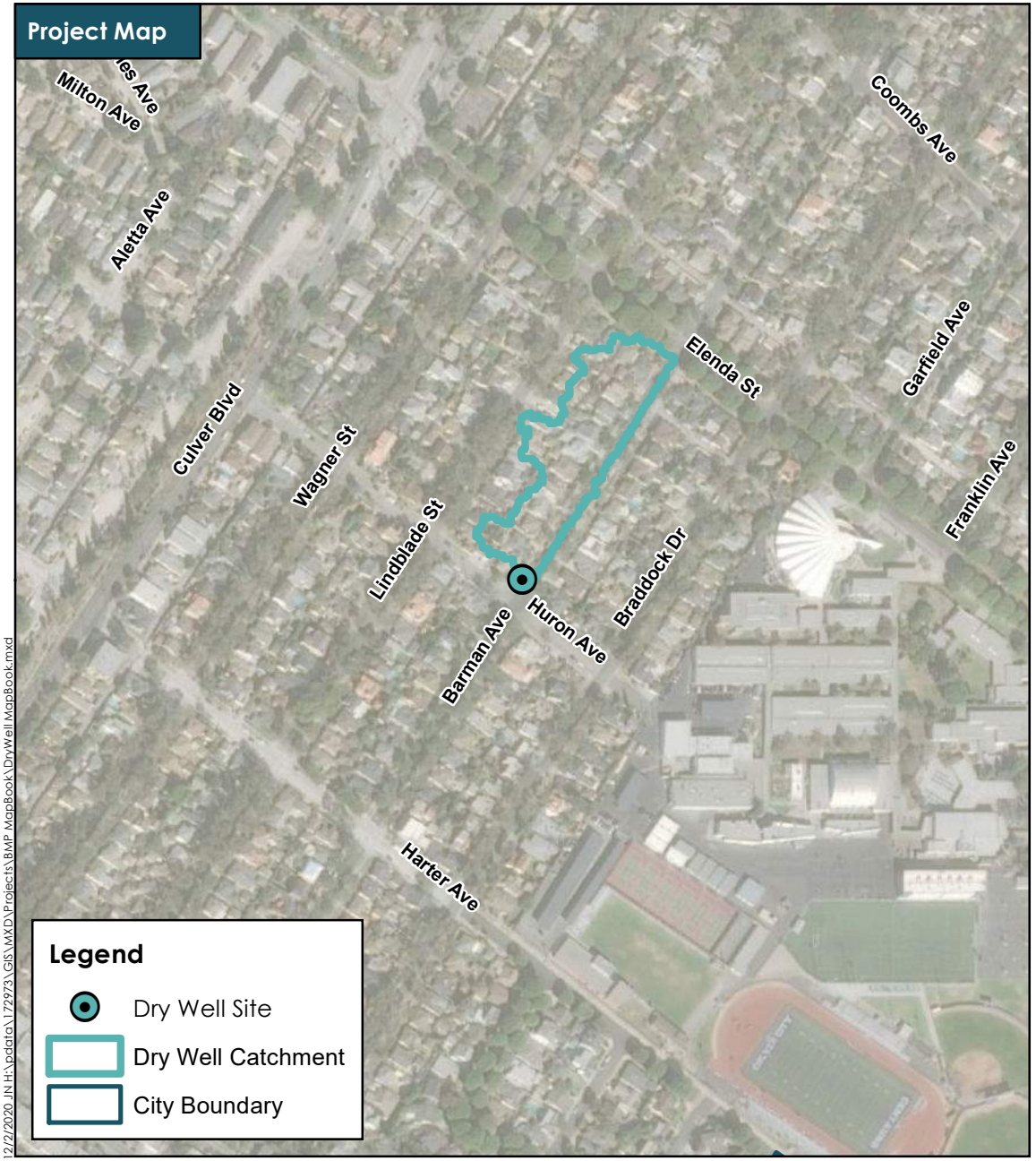
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Bioretention Site: BR263

Project Map



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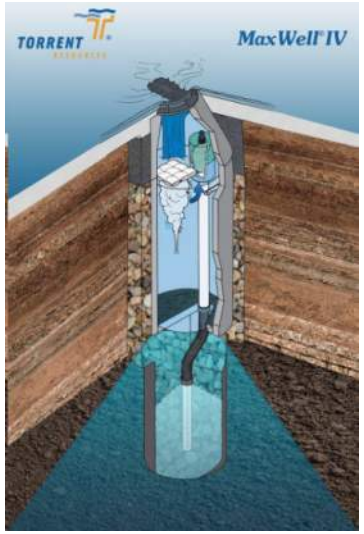
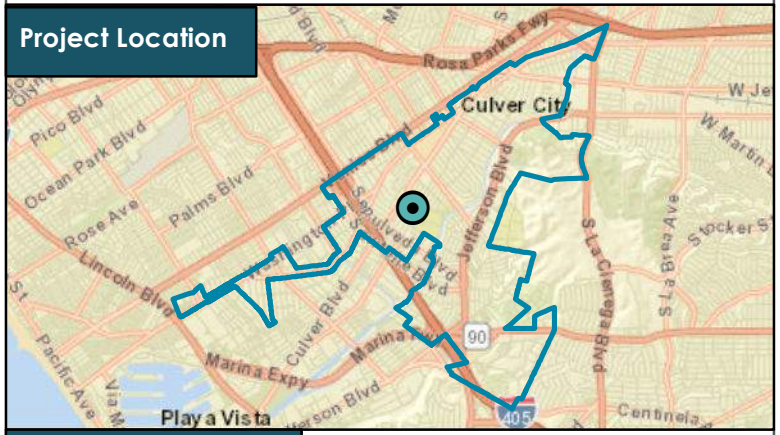
Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.12
Drainage Area (ac):		2.22
Depth to Groundwater:		24
EWMP Equivalent Volume (ac-ft):		0.12
Cost Estimate:	$	100,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

0 200 400 Feet

Source: City of Culver City

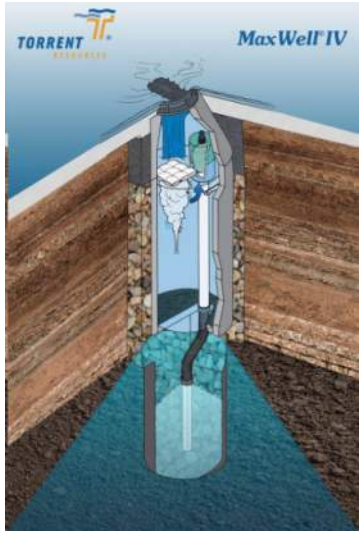
CULVER CITY STORMWATER QUALITY MASTER PLAN

Dry Well Site: D1

Project Map

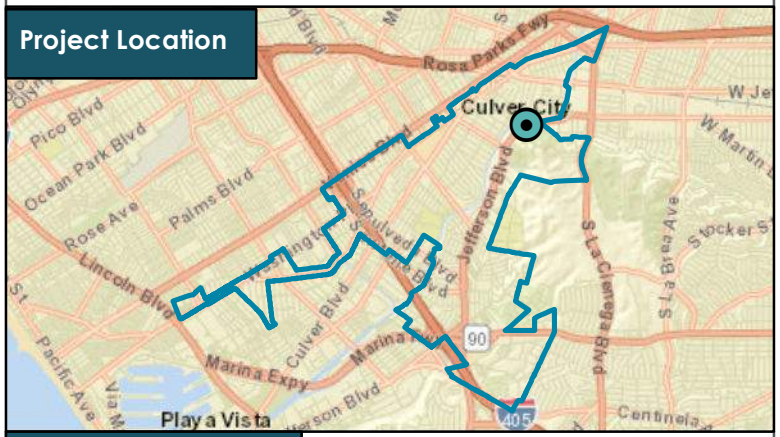
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.02
Drainage Area (ac):		0.37
Depth to Groundwater:		29
EWMP Equivalent Volume (ac-ft):		0.02
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

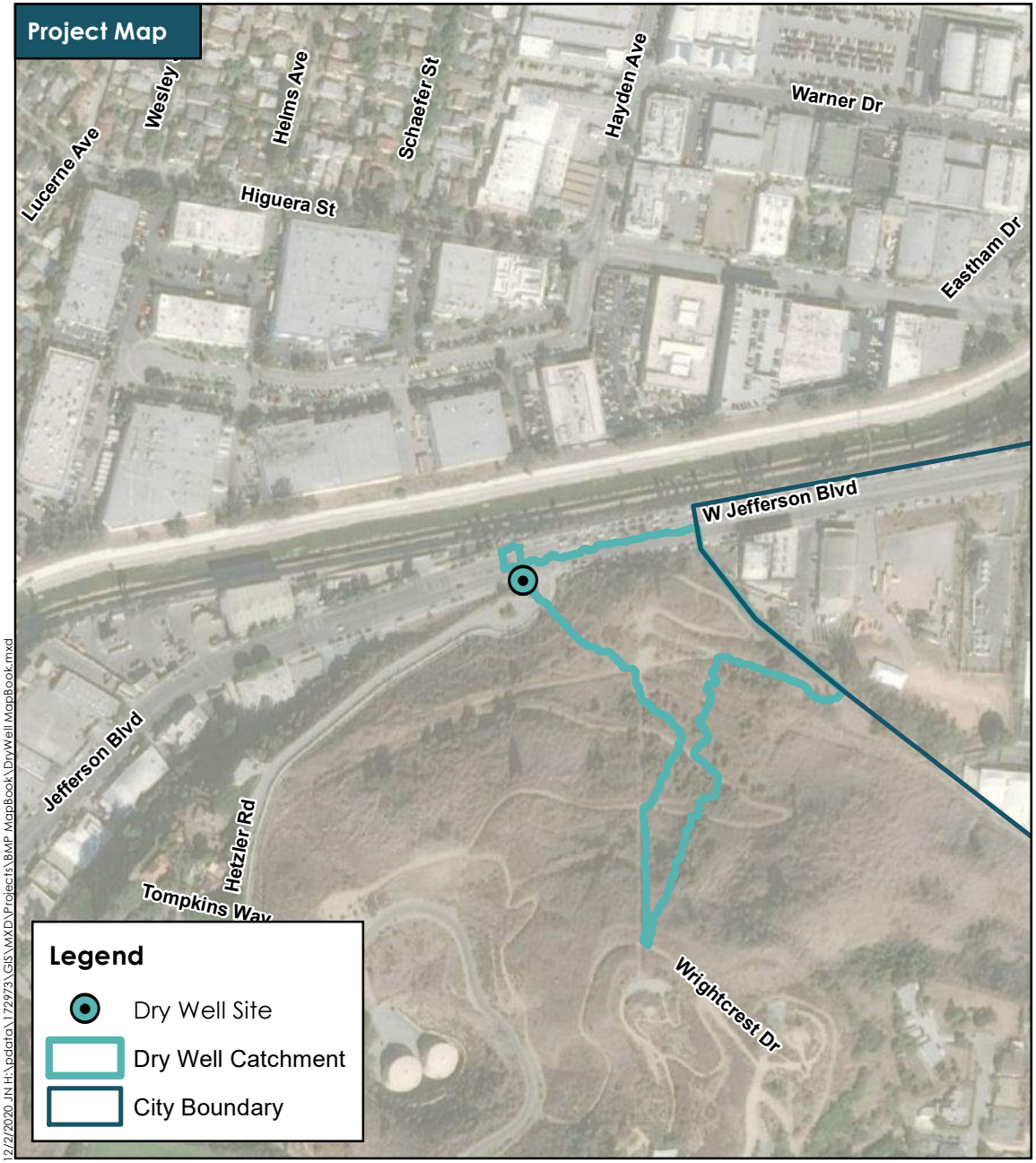
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Dry Well Site: D2

Project Map



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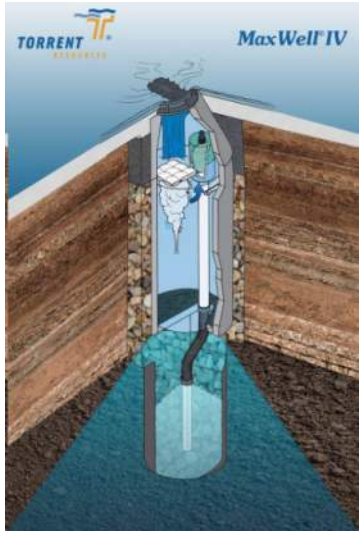
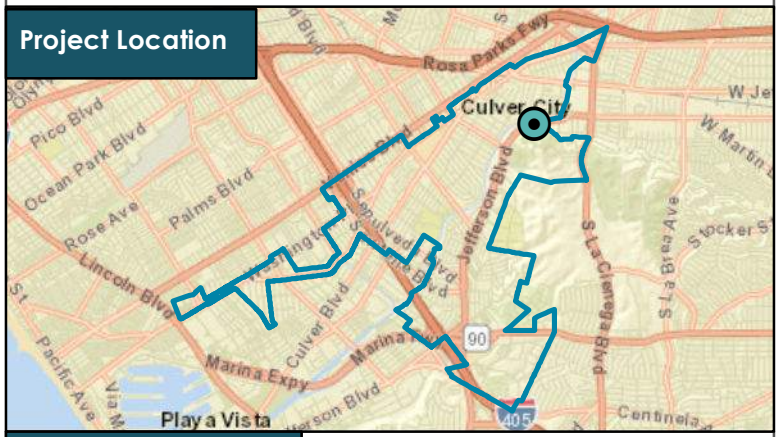
Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.09
Drainage Area (ac):		4.44
Depth to Groundwater:		31
EWMP Equivalent Volume (ac-ft):		0.06
Cost Estimate:	$	200,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

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0 200 400 Feet

Source: City of Culver City

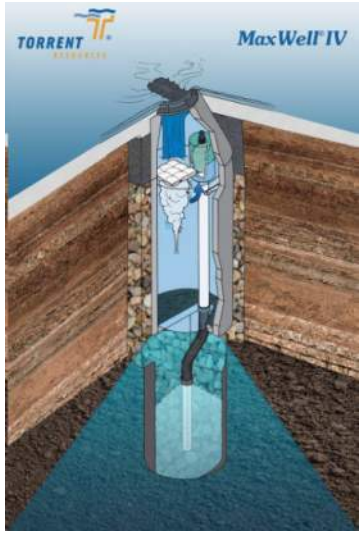
CULVER CITY STORMWATER QUALITY MASTER PLAN

Dry Well Site: D3

Project Map

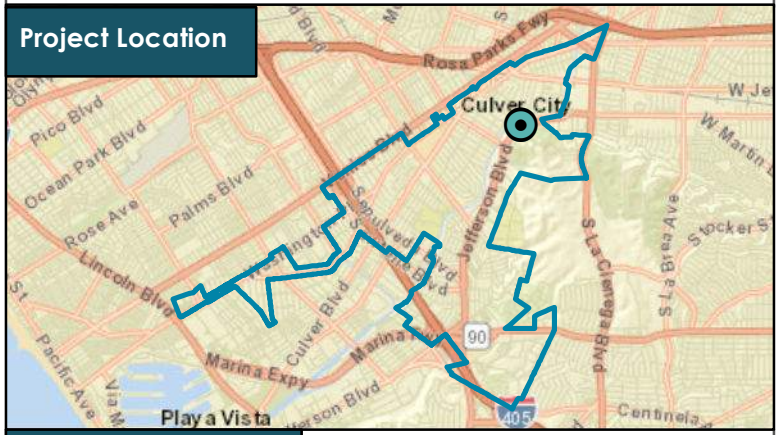
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.19
Drainage Area (ac):		2.37
Depth to Groundwater:		30
EWMP Equivalent Volume (ac-ft):		0.22
Cost Estimate:	$	100,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

Michael Baker INTERNATIONAL

BLUE OCEAN CIVIL CONSULTING

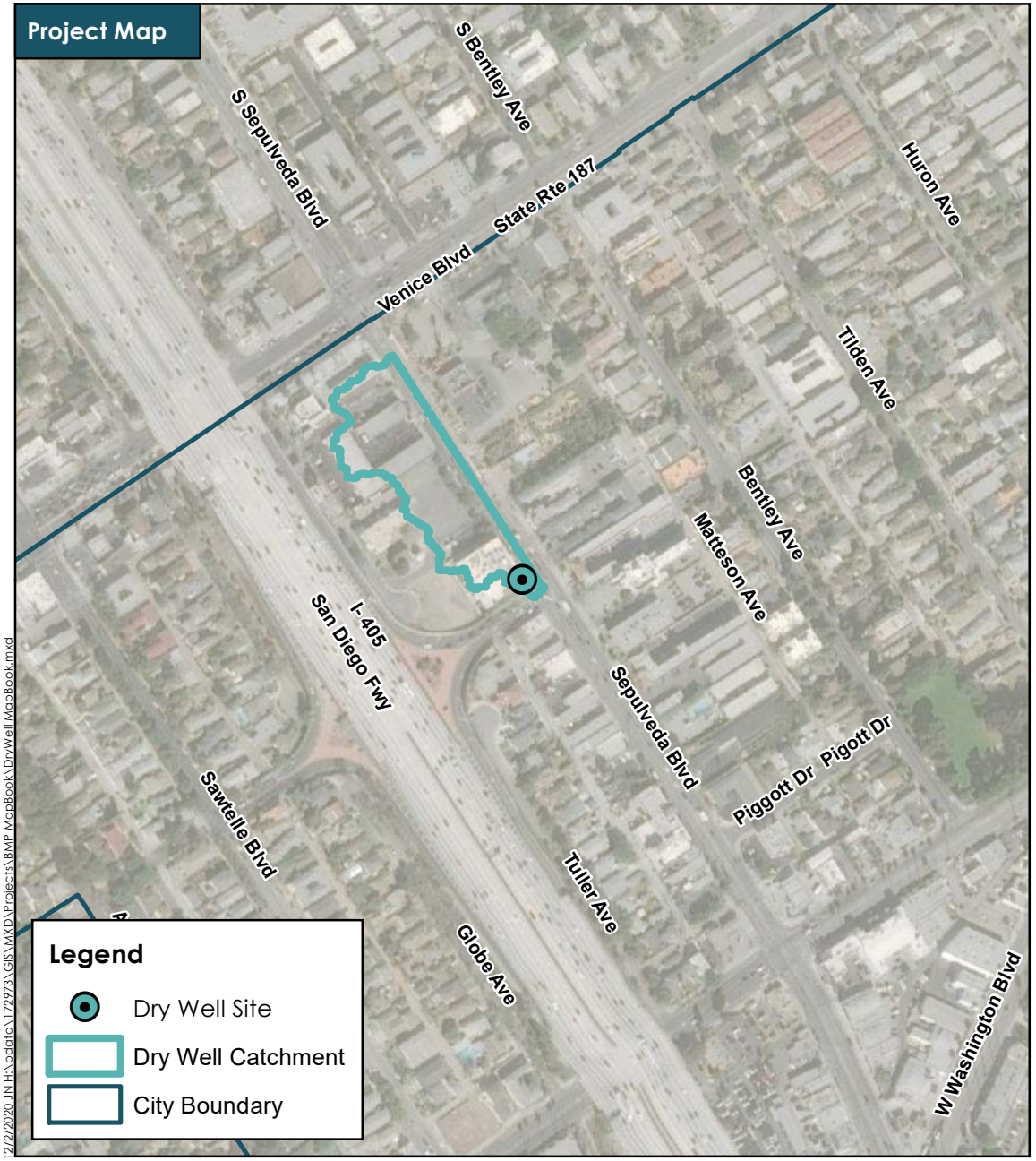
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Dry Well Site: D4

Project Map



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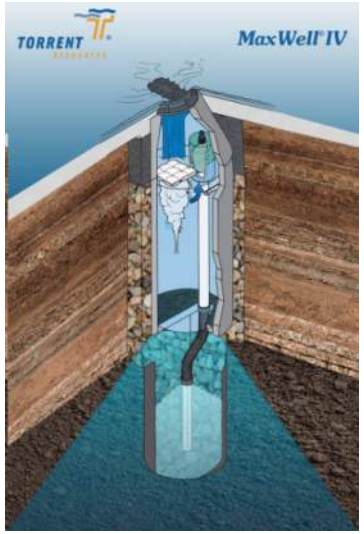
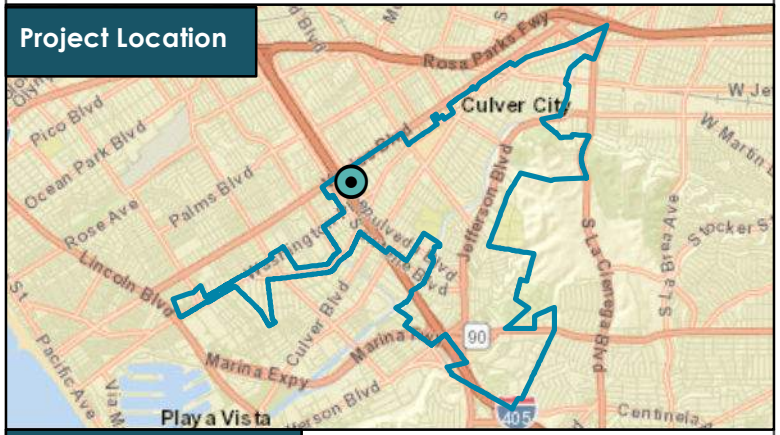
Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.17
Drainage Area (ac):		2.35
Depth to Groundwater:		41
EWMP Equivalent Volume (ac-ft):		0.2
Cost Estimate:	$	100,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

0 200 400 Feet

Source: City of Culver City

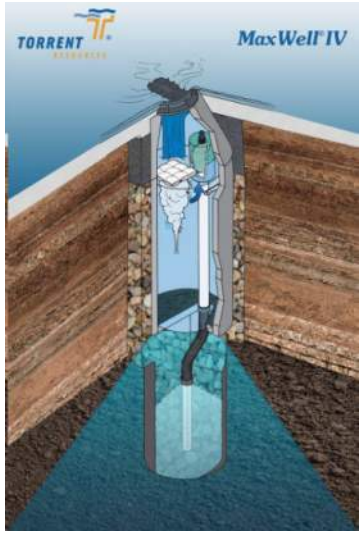
CULVER CITY STORMWATER QUALITY MASTER PLAN

Dry Well Site: D5

Project Map

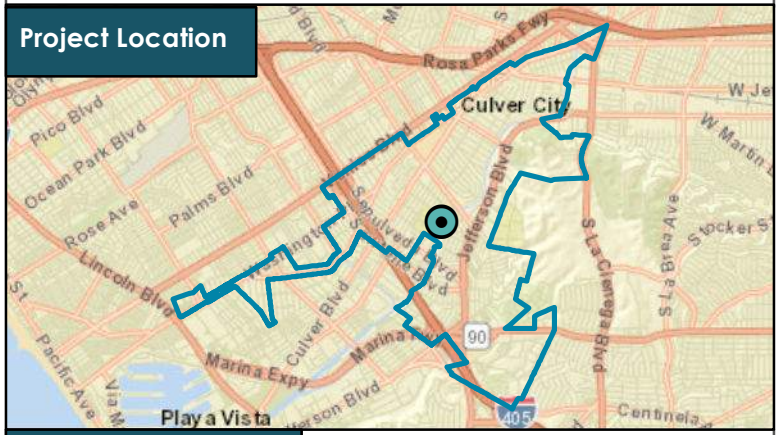
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.1
Drainage Area (ac):		1.36
Depth to Groundwater:		27
EWMP Equivalent Volume (ac-ft):		0.12
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

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Michael Baker INTERNATIONAL

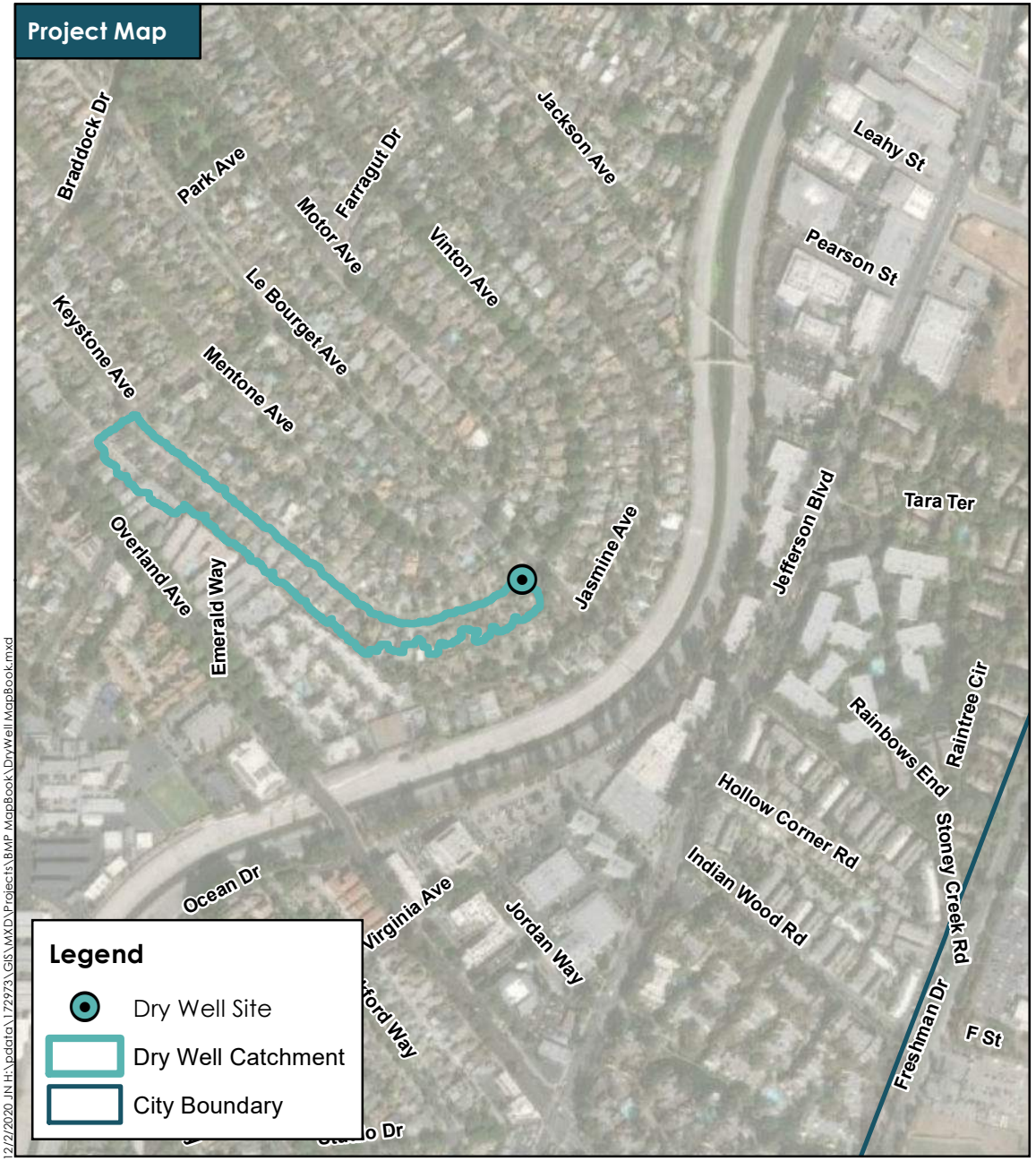
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Dry Well Site: D6

Project Map



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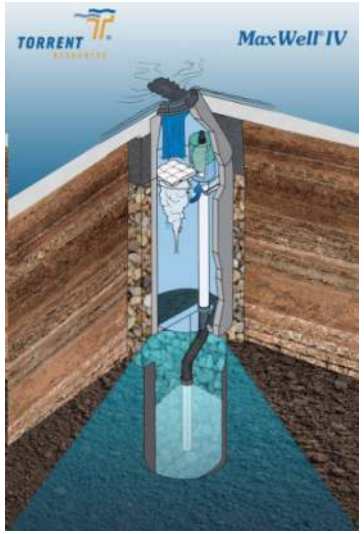
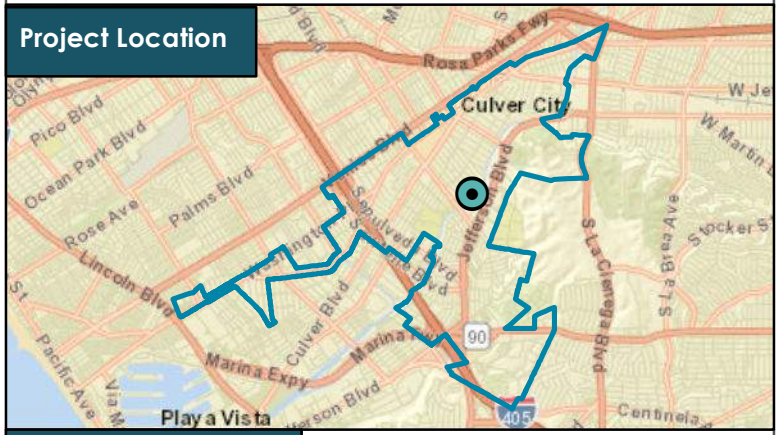
Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.26
Drainage Area (ac):		5.01
Depth to Groundwater:		27
EWMP Equivalent Volume (ac-ft):		0.27
Cost Estimate:	$	250,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

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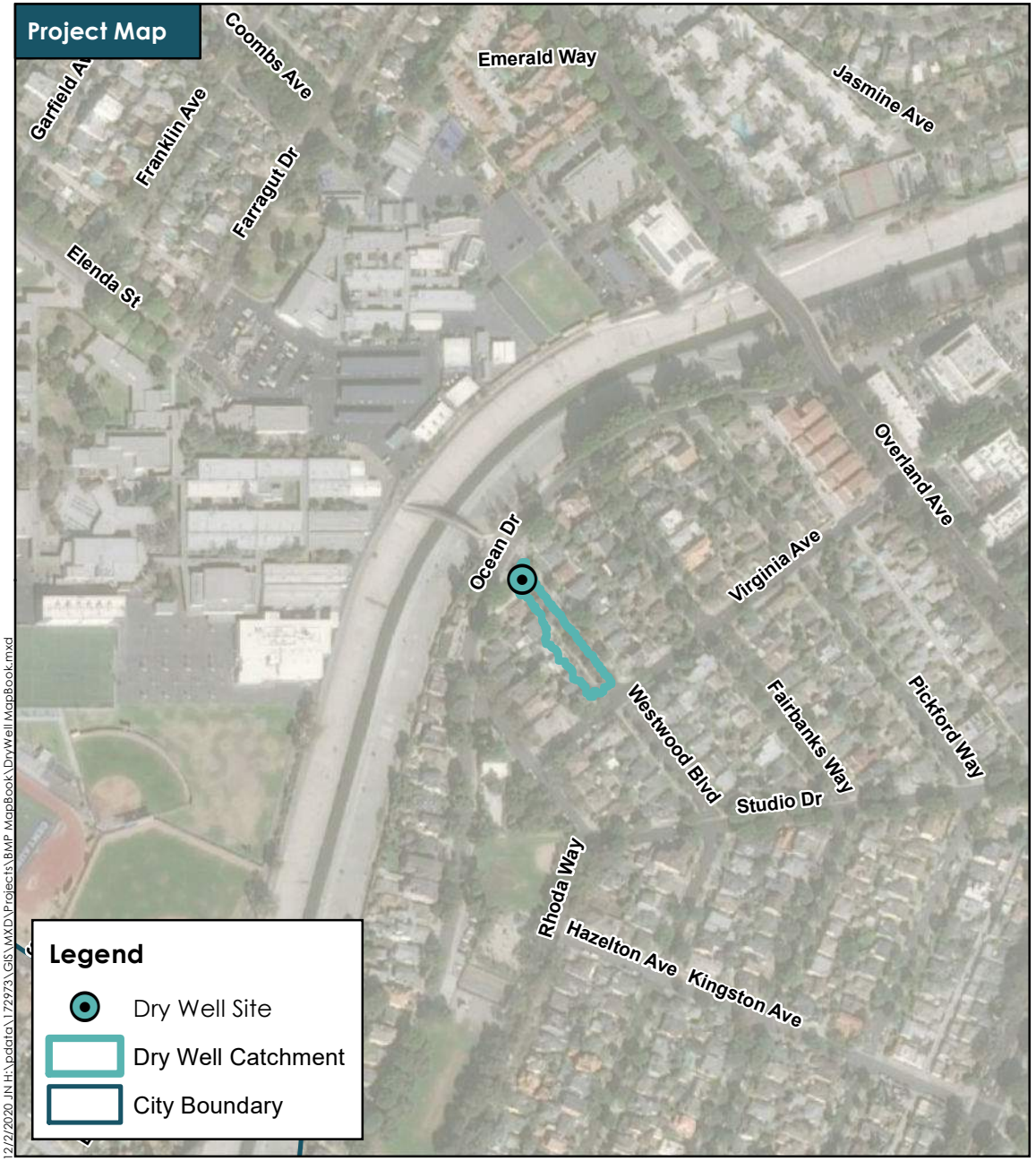
0 300 600 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Dry Well Site: D7

Project Map



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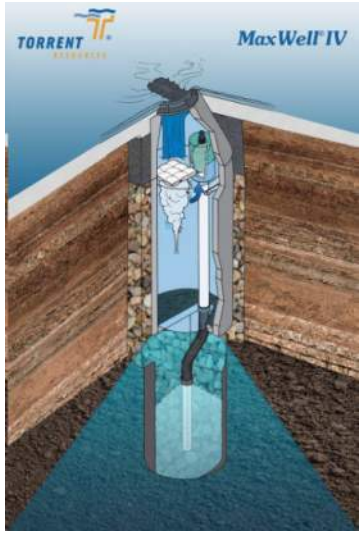
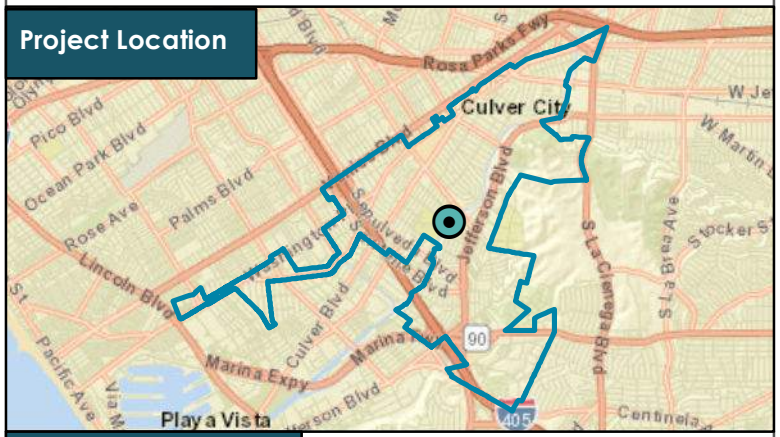
Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.02
Drainage Area (ac):		0.38
Depth to Groundwater:		24
EWMP Equivalent Volume (ac-ft):		0.02
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

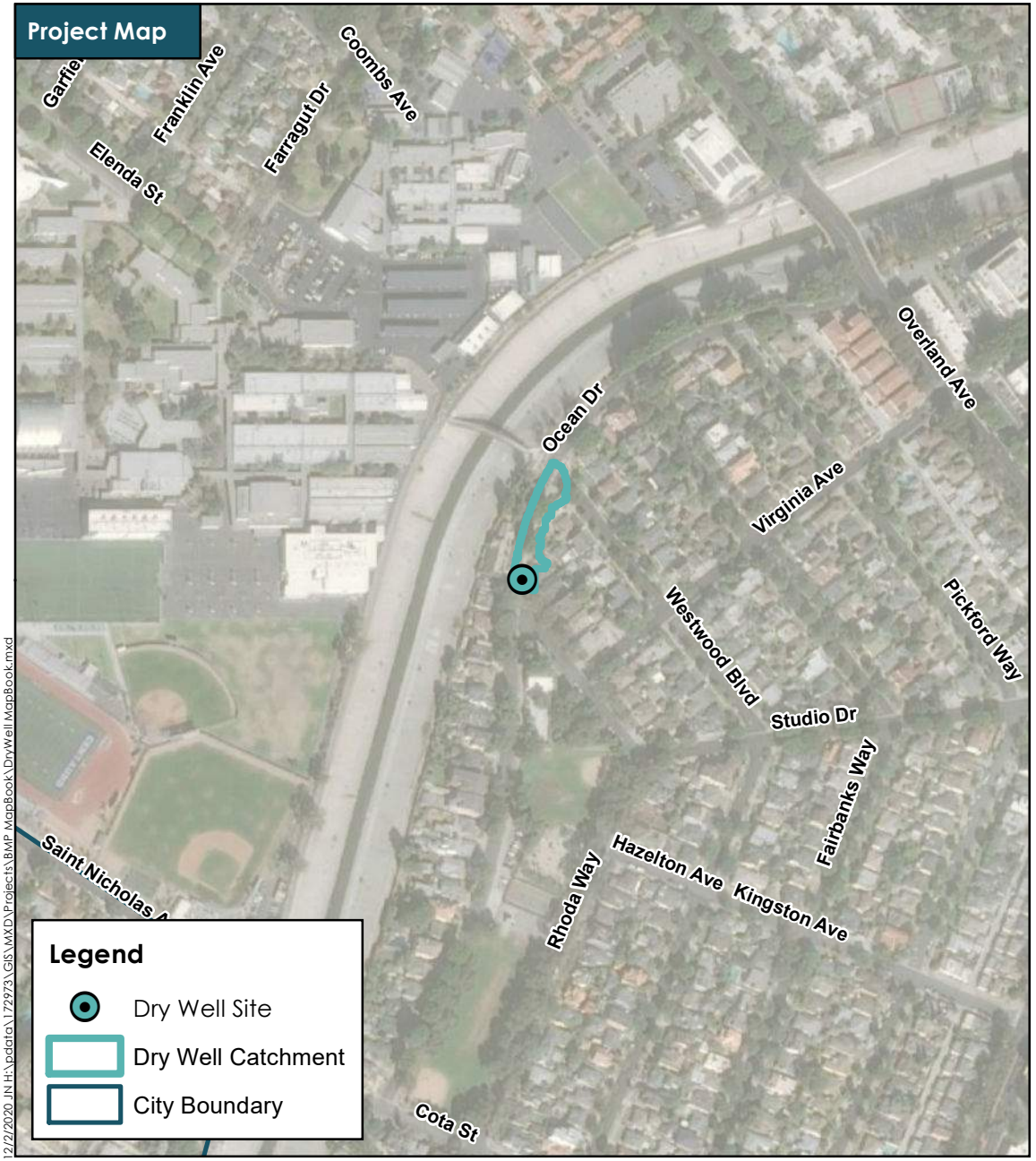
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Dry Well Site: D8

Project Map



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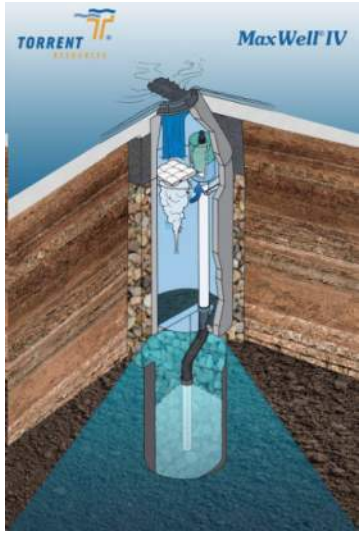
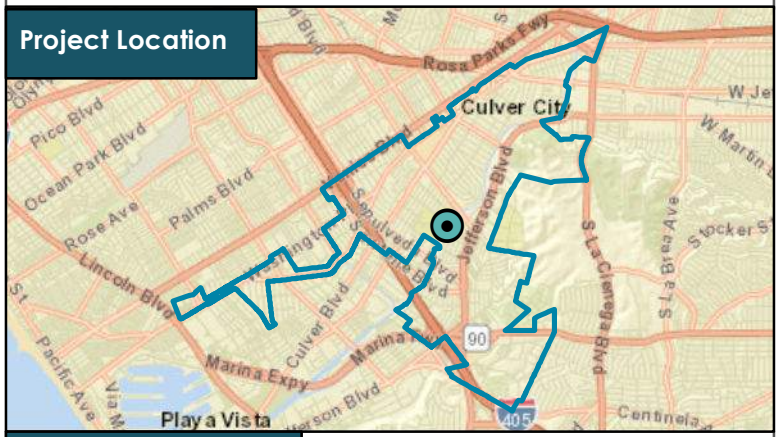
Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.02
Drainage Area (ac):		0.34
Depth to Groundwater:		23
EWMP Equivalent Volume (ac-ft):		0.02
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

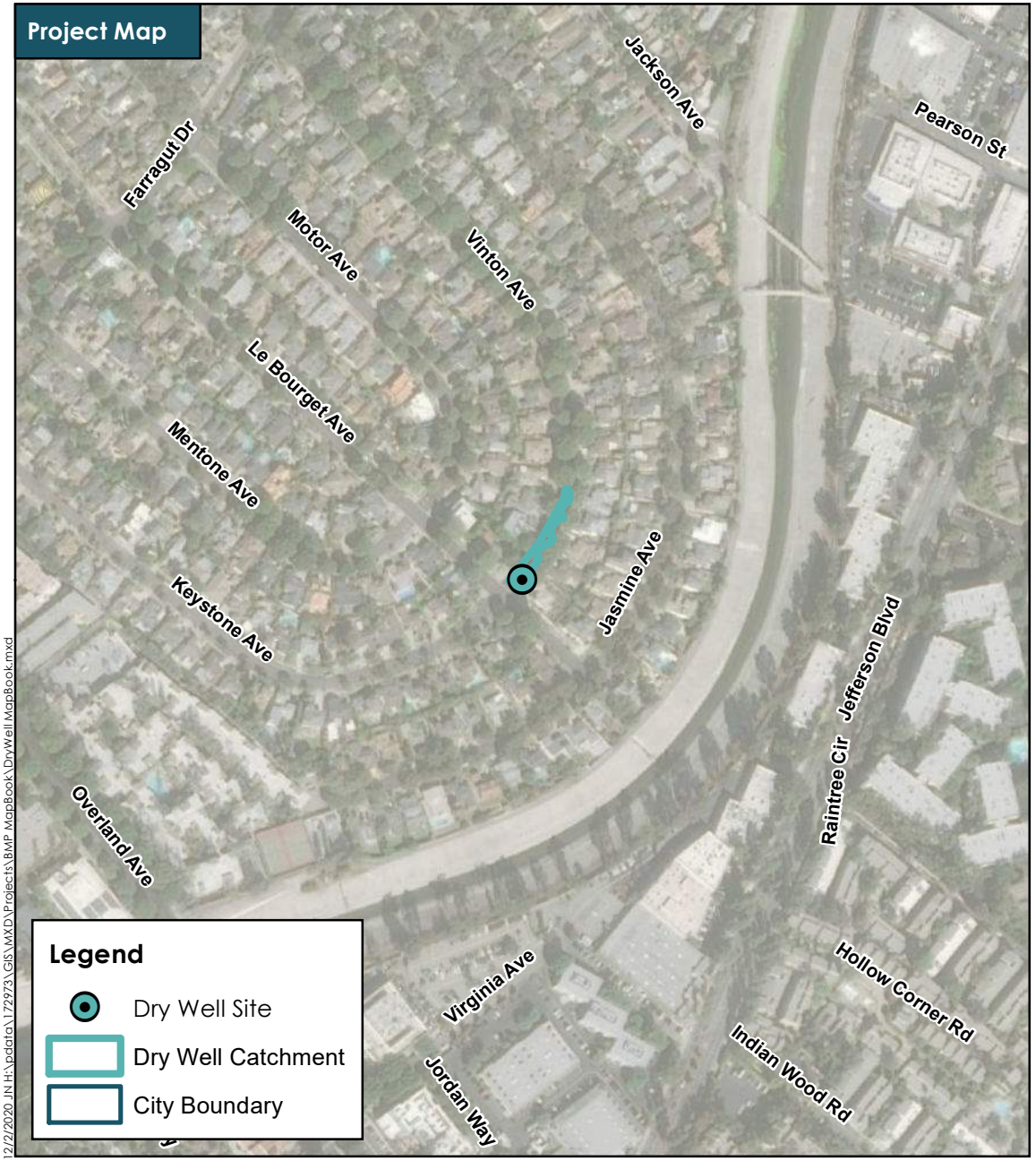
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Dry Well Site: D9

Project Map



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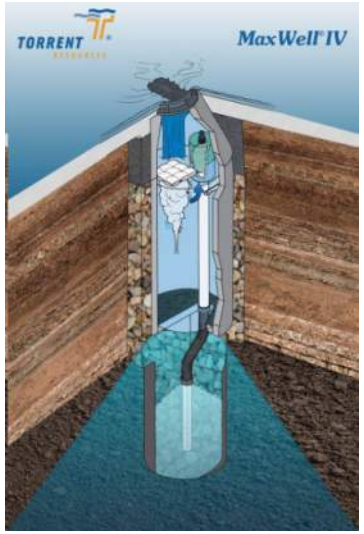
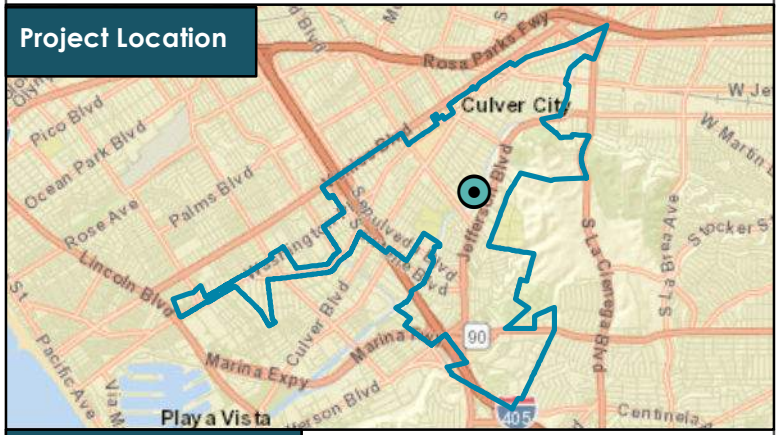
Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0
Drainage Area (ac):		0.09
Depth to Groundwater:		27
EWMP Equivalent Volume (ac-ft):		0
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

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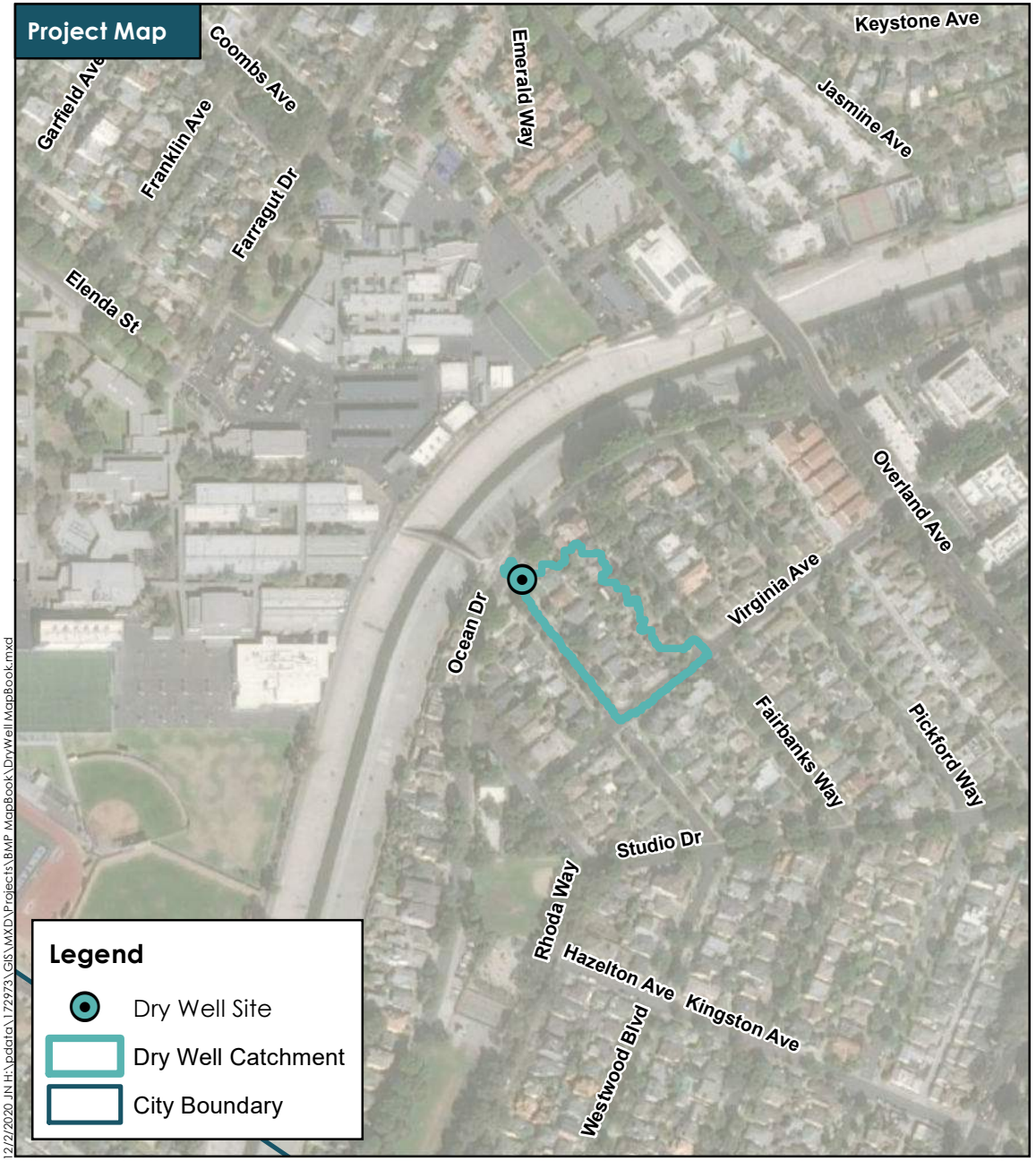
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

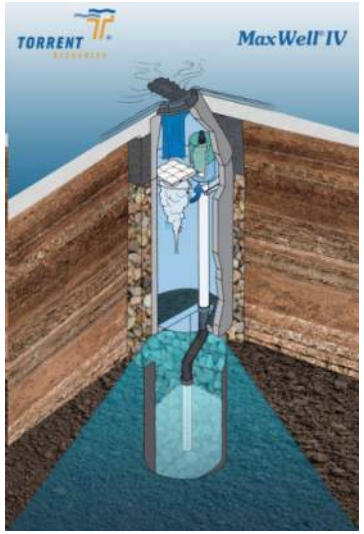
Dry Well Site: D10

Project Map



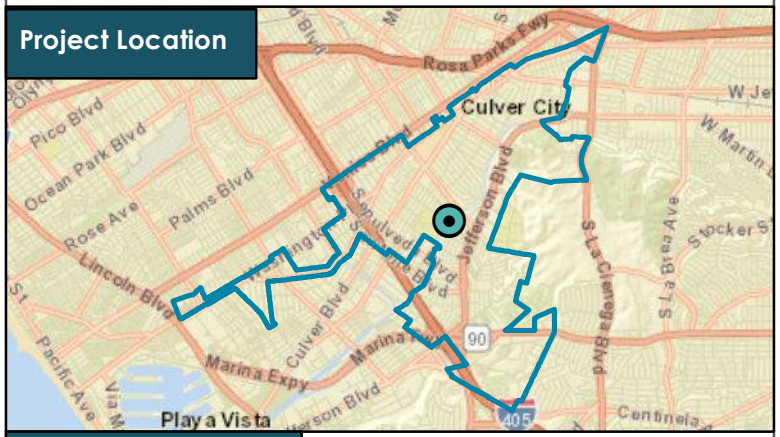
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.09
Drainage Area (ac):		1.79
Depth to Groundwater:		23
EWMP Equivalent Volume (ac-ft):		0.09
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

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0 200 400 Feet

Source: City of Culver City

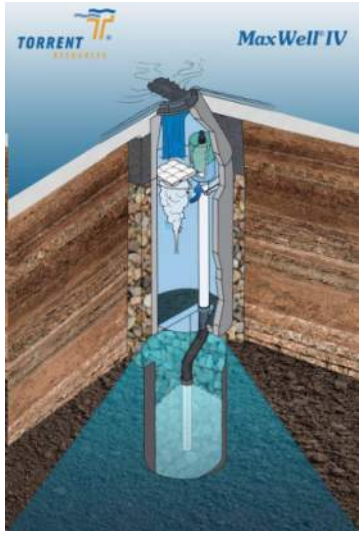
CULVER CITY STORMWATER QUALITY MASTER PLAN

Dry Well Site: D11

Project Map

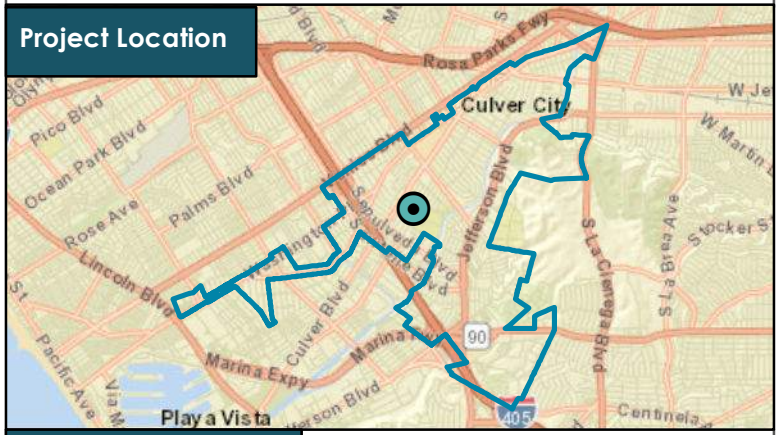
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.05
Drainage Area (ac):		1.01
Depth to Groundwater:		24
EWMP Equivalent Volume (ac-ft):		0.05
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

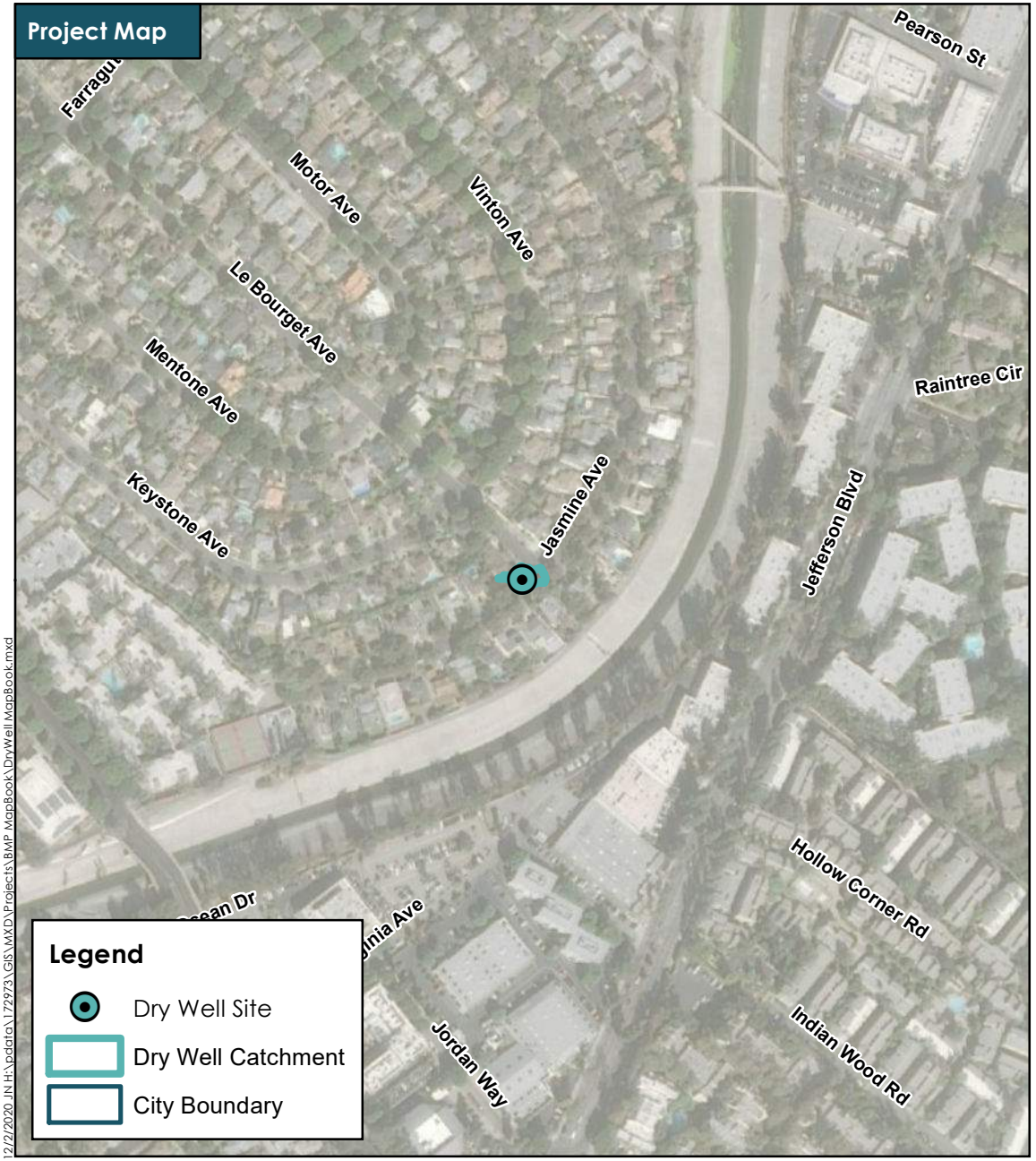
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Dry Well Site: D12

Project Map



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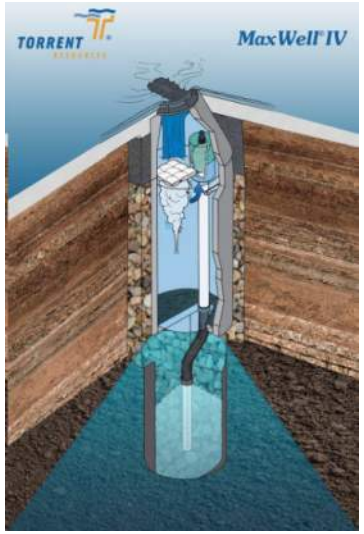
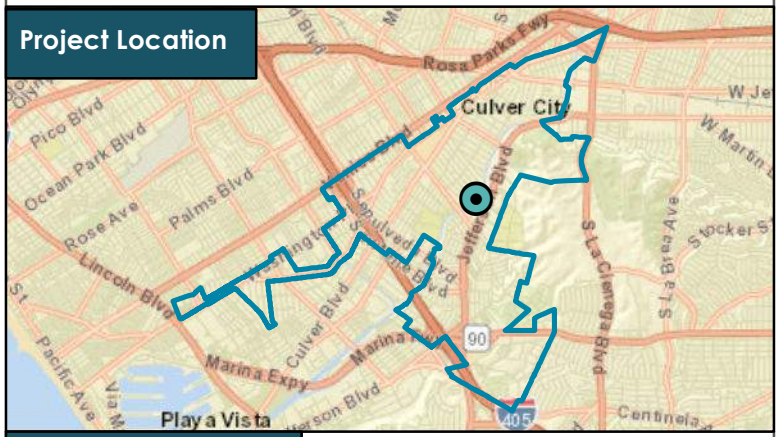
Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0
Drainage Area (ac):		0.06
Depth to Groundwater:		26
EWMP Equivalent Volume (ac-ft):		0
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

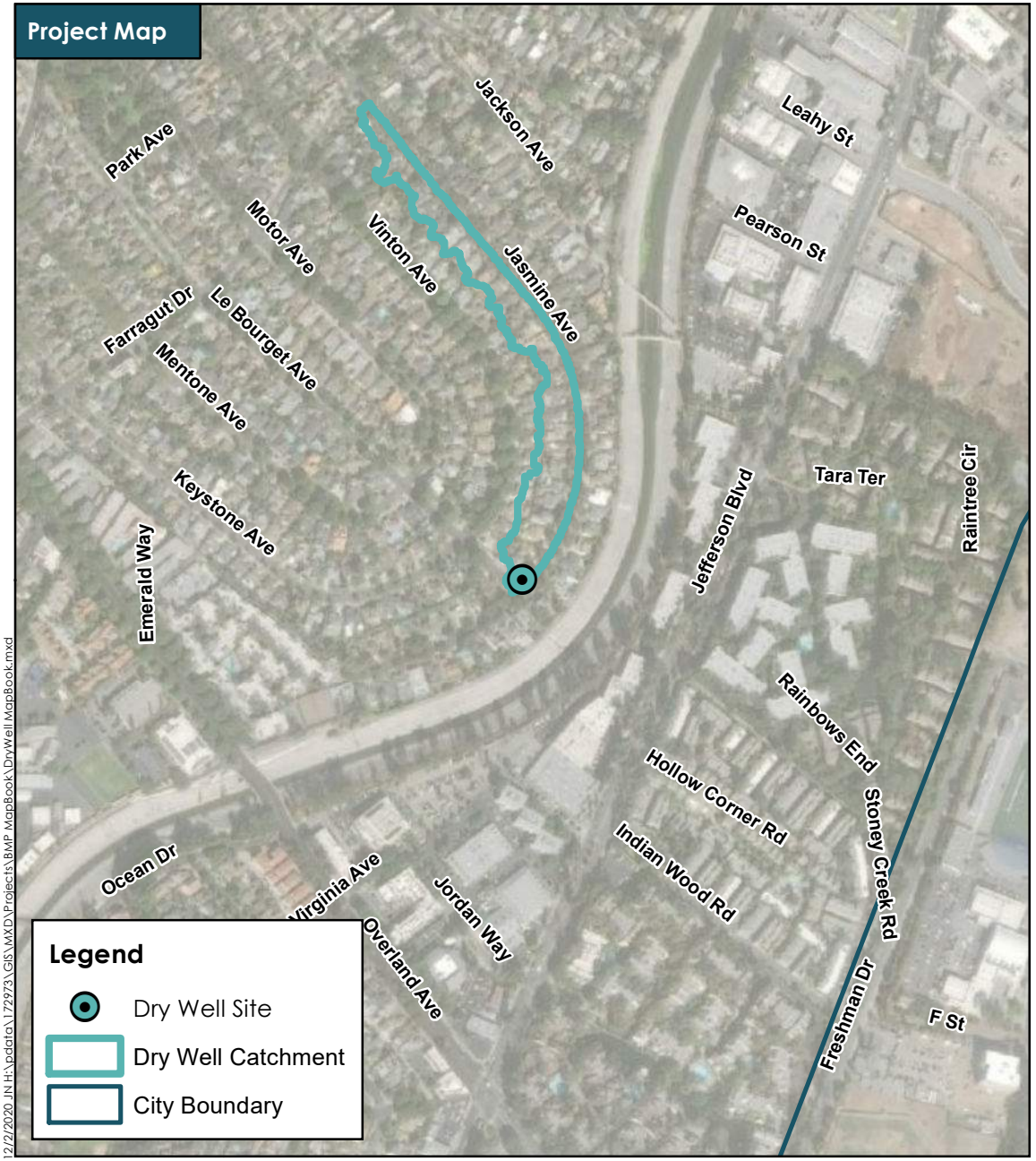
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Dry Well Site: D13

Project Map



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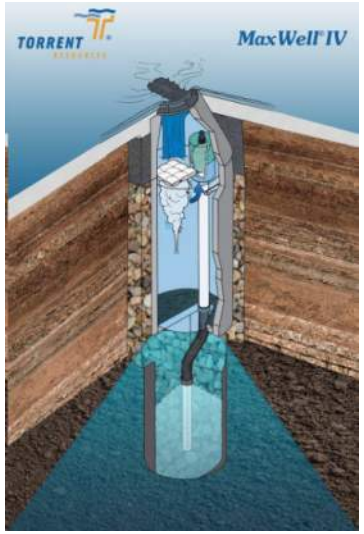
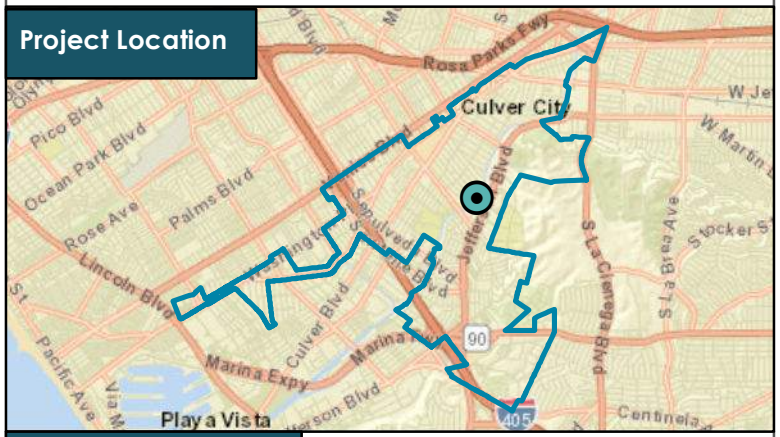
Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.23
Drainage Area (ac):		5.13
Depth to Groundwater:		25
EWMP Equivalent Volume (ac-ft):		0.24
Cost Estimate:	$	250,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

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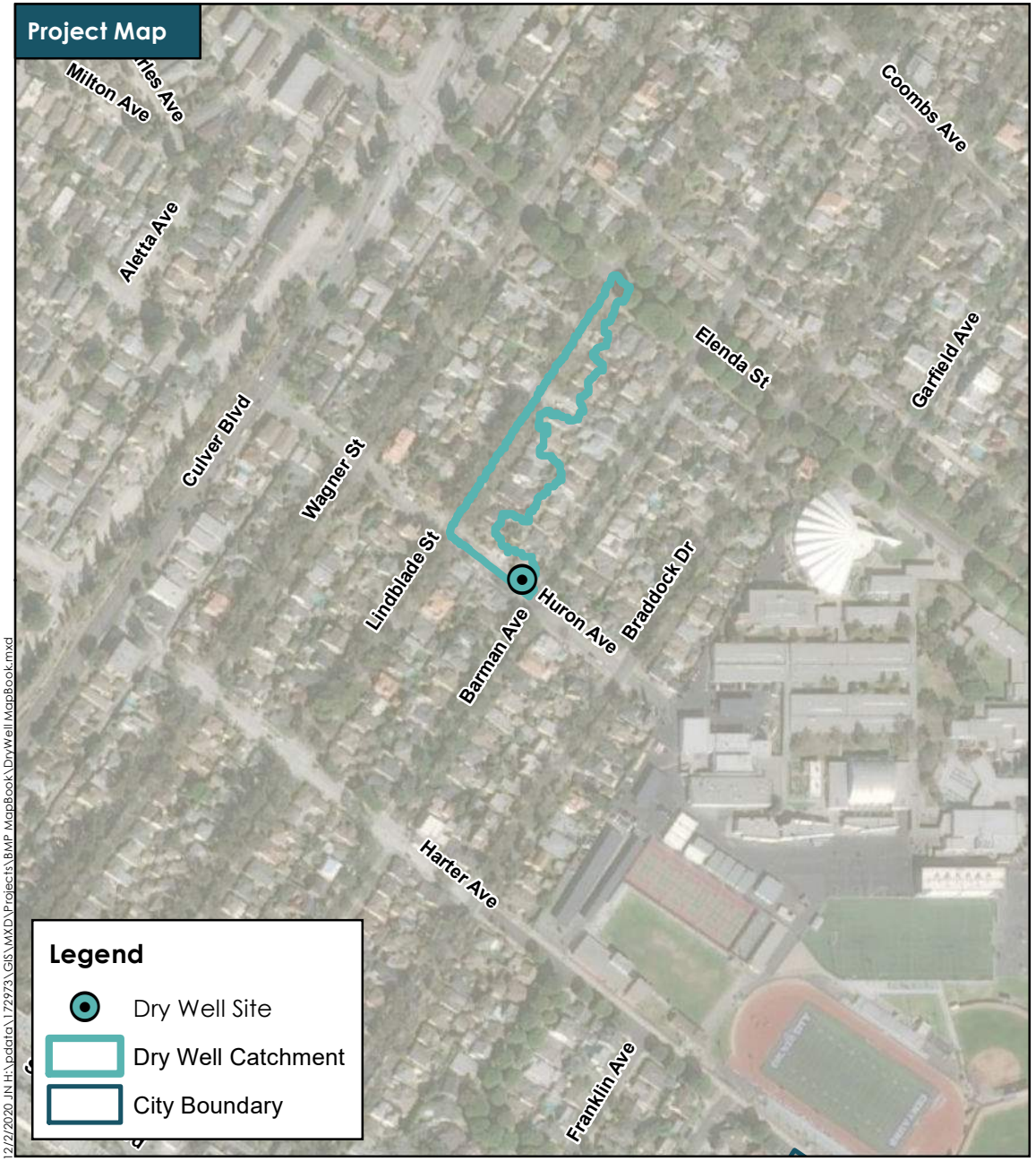
0 300 600 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

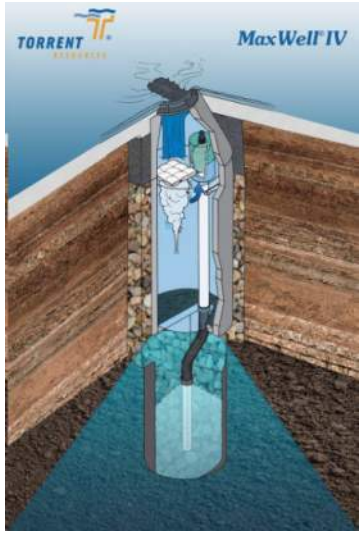
Dry Well Site: D14

Project Map



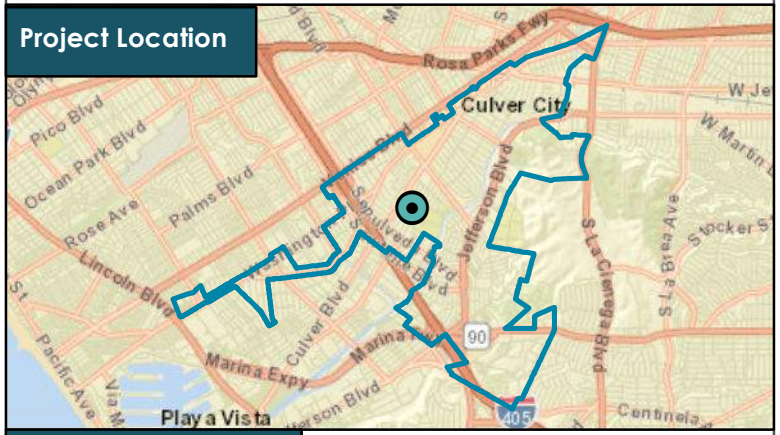
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.07
Drainage Area (ac):		1.63
Depth to Groundwater:		23
EWMP Equivalent Volume (ac-ft):		0.08
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

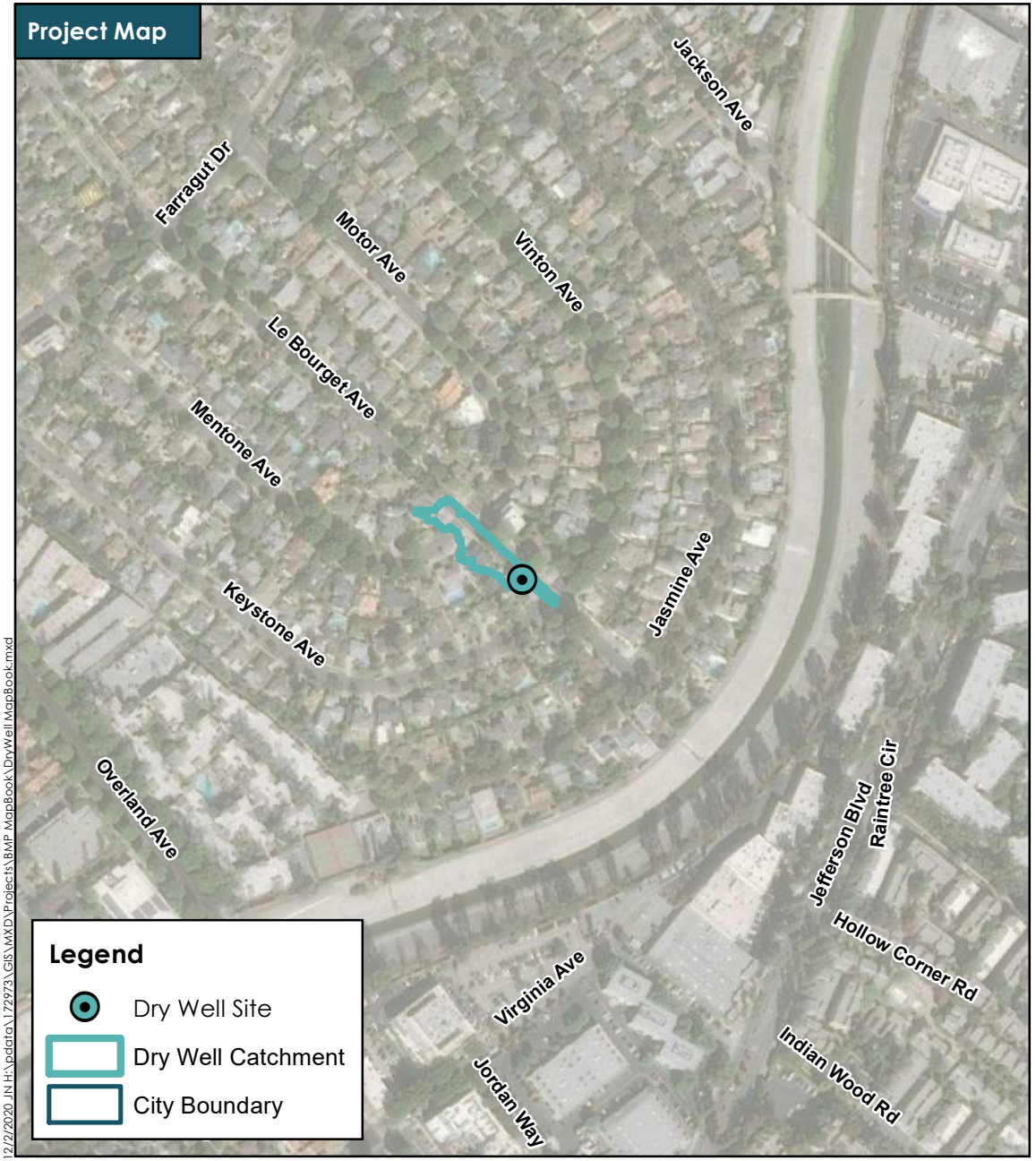
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Dry Well Site: D15

Project Map



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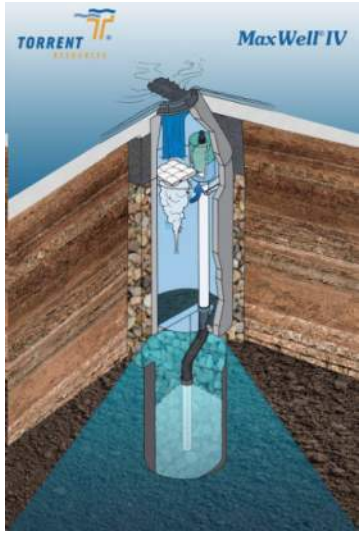
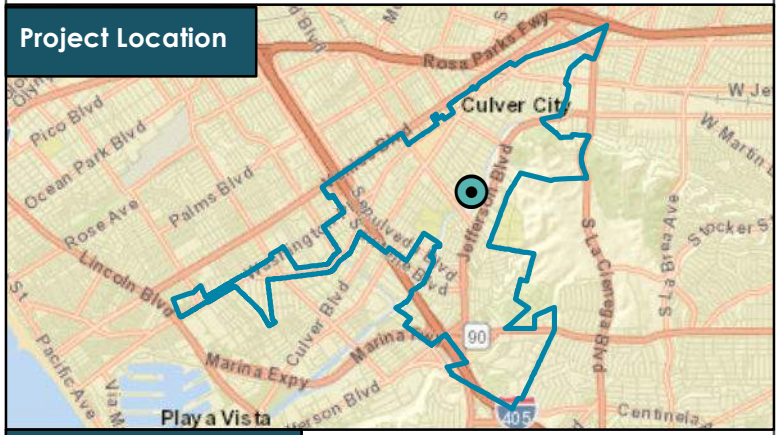
Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.02
Drainage Area (ac):		0.4
Depth to Groundwater:		27
EWMP Equivalent Volume (ac-ft):		0.02
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

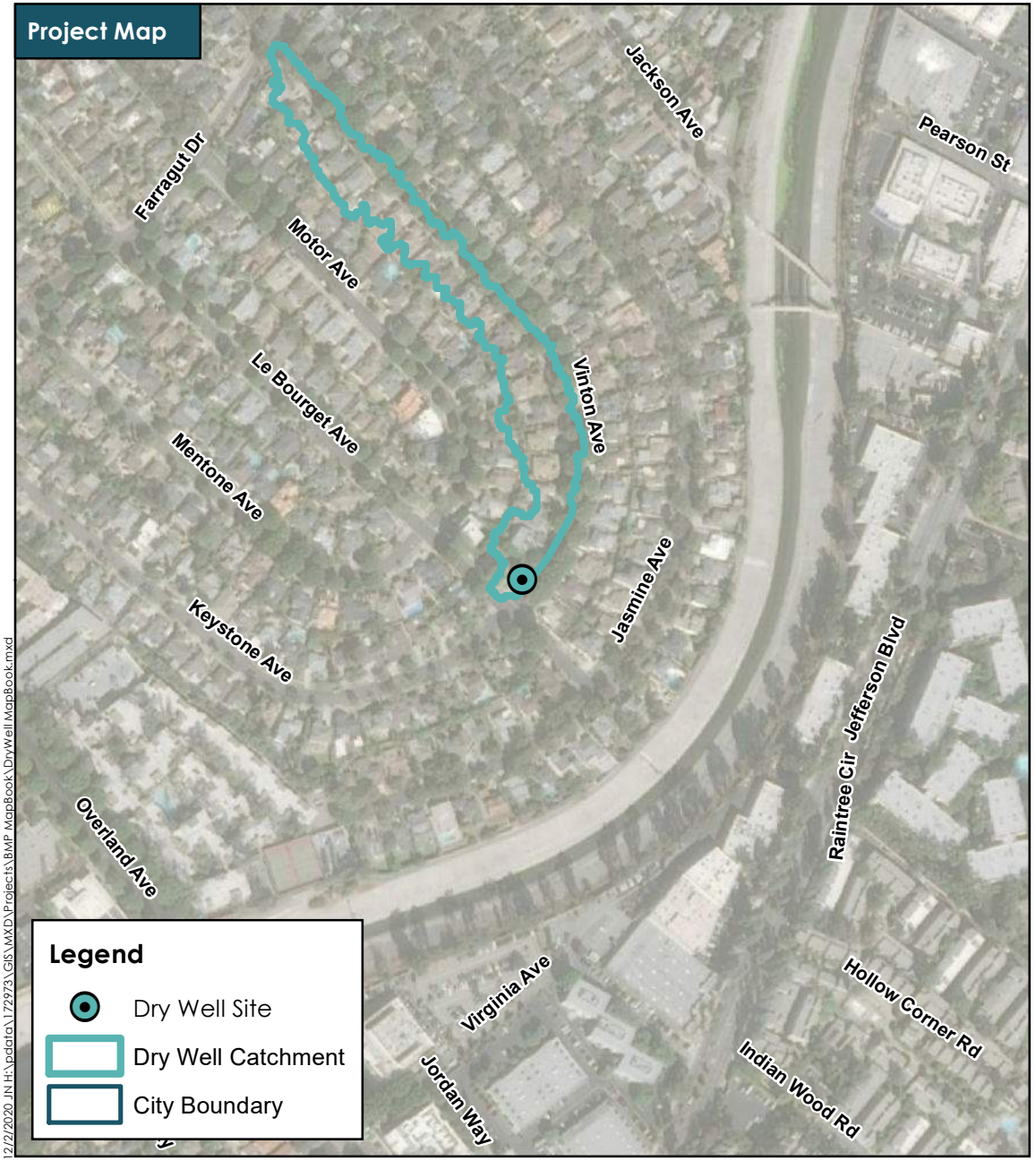
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Dry Well Site: D16

Project Map



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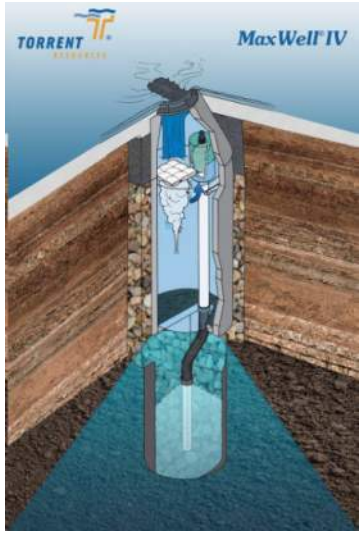
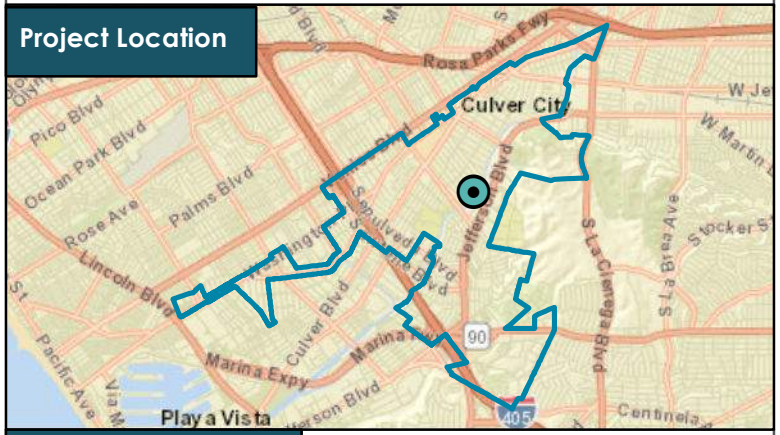
Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.16
Drainage Area (ac):		3.86
Depth to Groundwater:		26
EWMP Equivalent Volume (ac-ft):		0.16
Cost Estimate:	$	150,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

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0 200 400 Feet

Source: City of Culver City

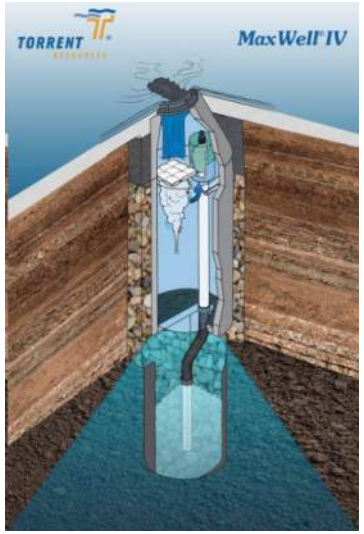
CULVER CITY STORMWATER QUALITY MASTER PLAN

Dry Well Site: D17

Project Map

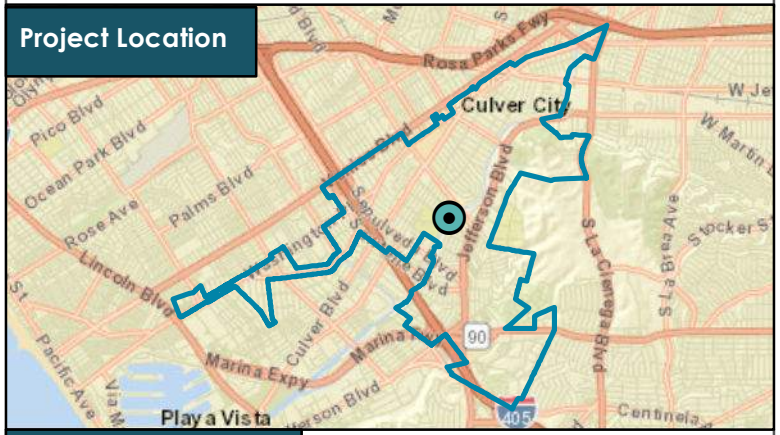
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.32
Drainage Area (ac):		6.39
Depth to Groundwater:		23
EWMP Equivalent Volume (ac-ft):		0.34
Cost Estimate:	$	300,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

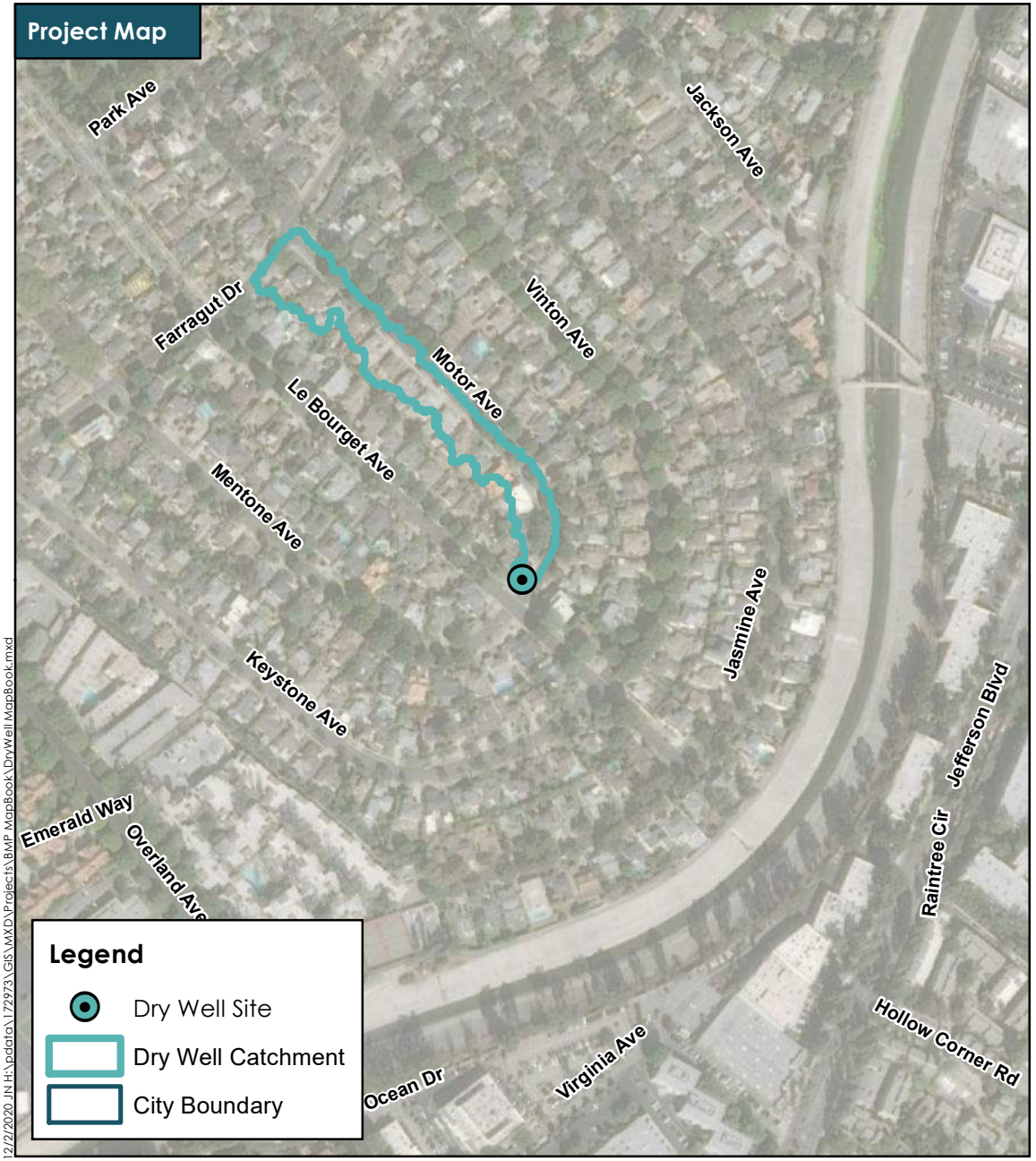
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

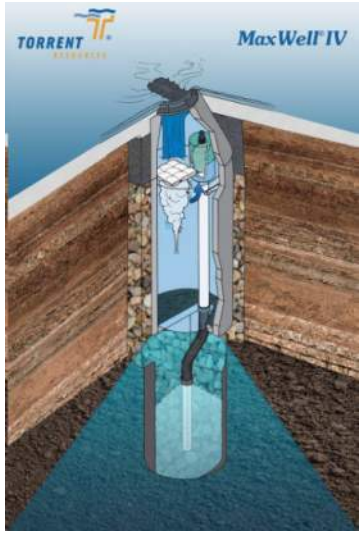
Dry Well Site: D18

Project Map



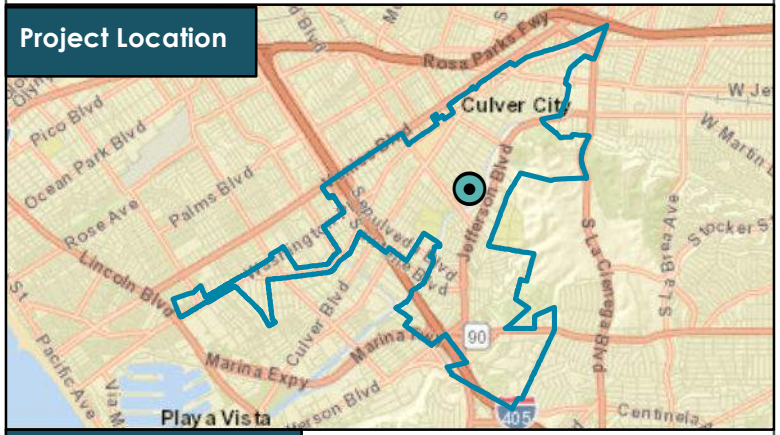
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.11
Drainage Area (ac):		2.35
Depth to Groundwater:		27
EWMP Equivalent Volume (ac-ft):		0.12
Cost Estimate:	$	100,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

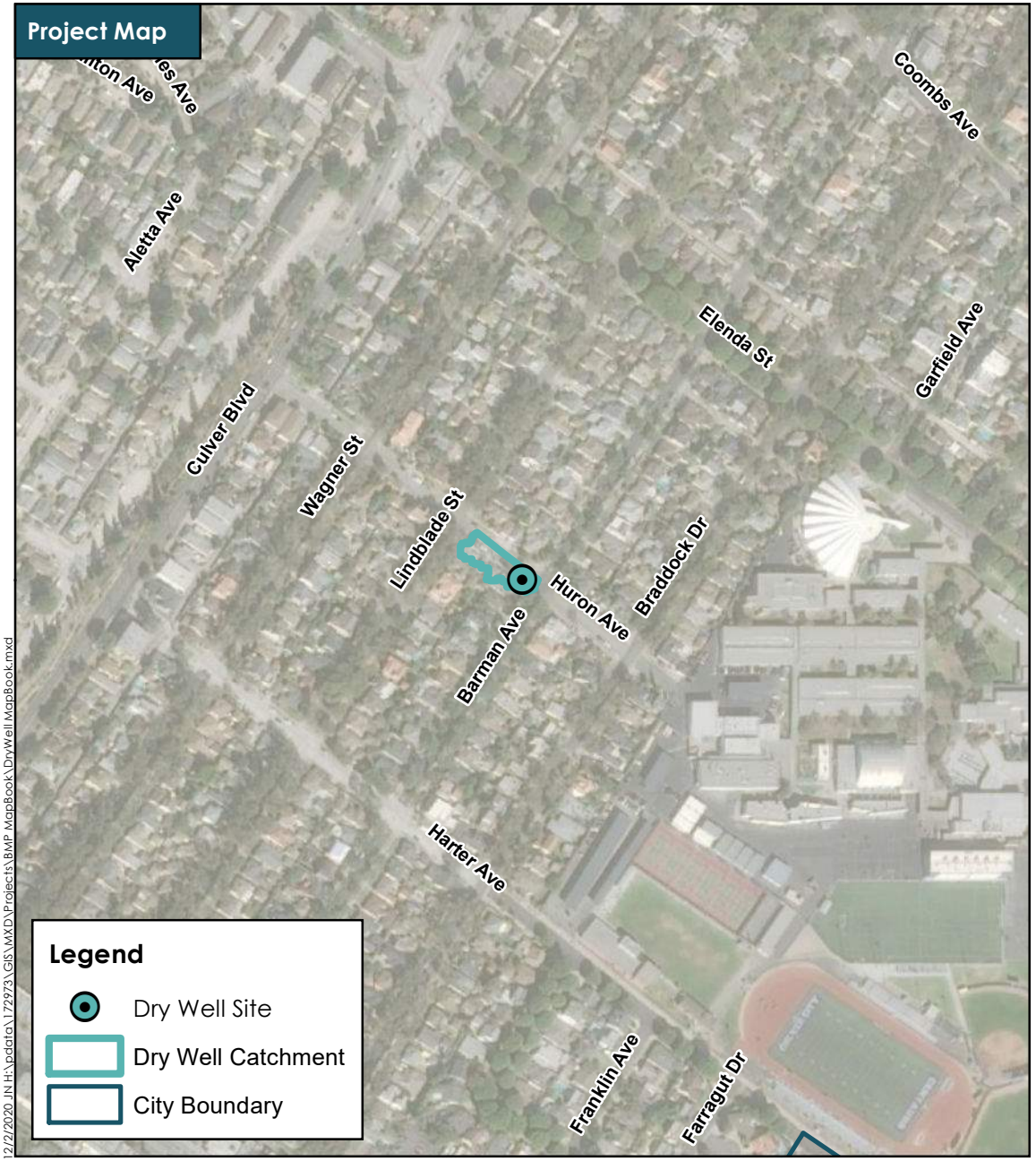
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Dry Well Site: D19

Project Map



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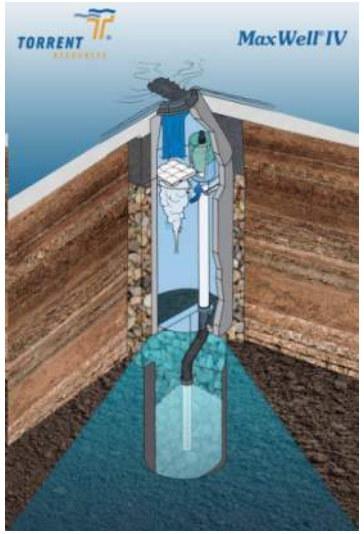
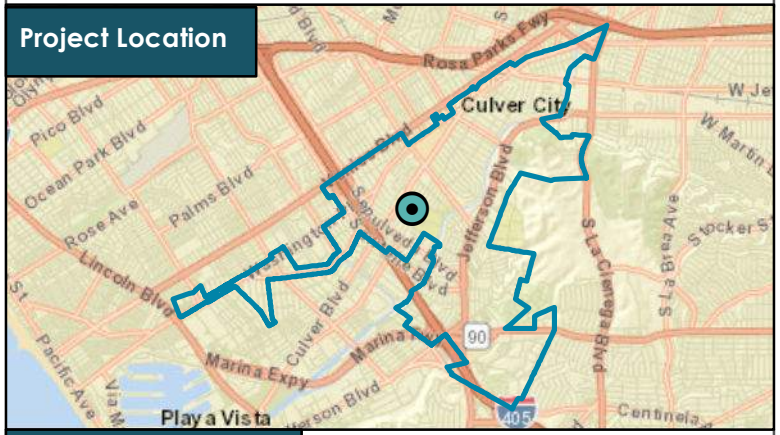
Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.01
Drainage Area (ac):		0.23
Depth to Groundwater:		23
EWMP Equivalent Volume (ac-ft):		0.01
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

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Michael Baker INTERNATIONAL

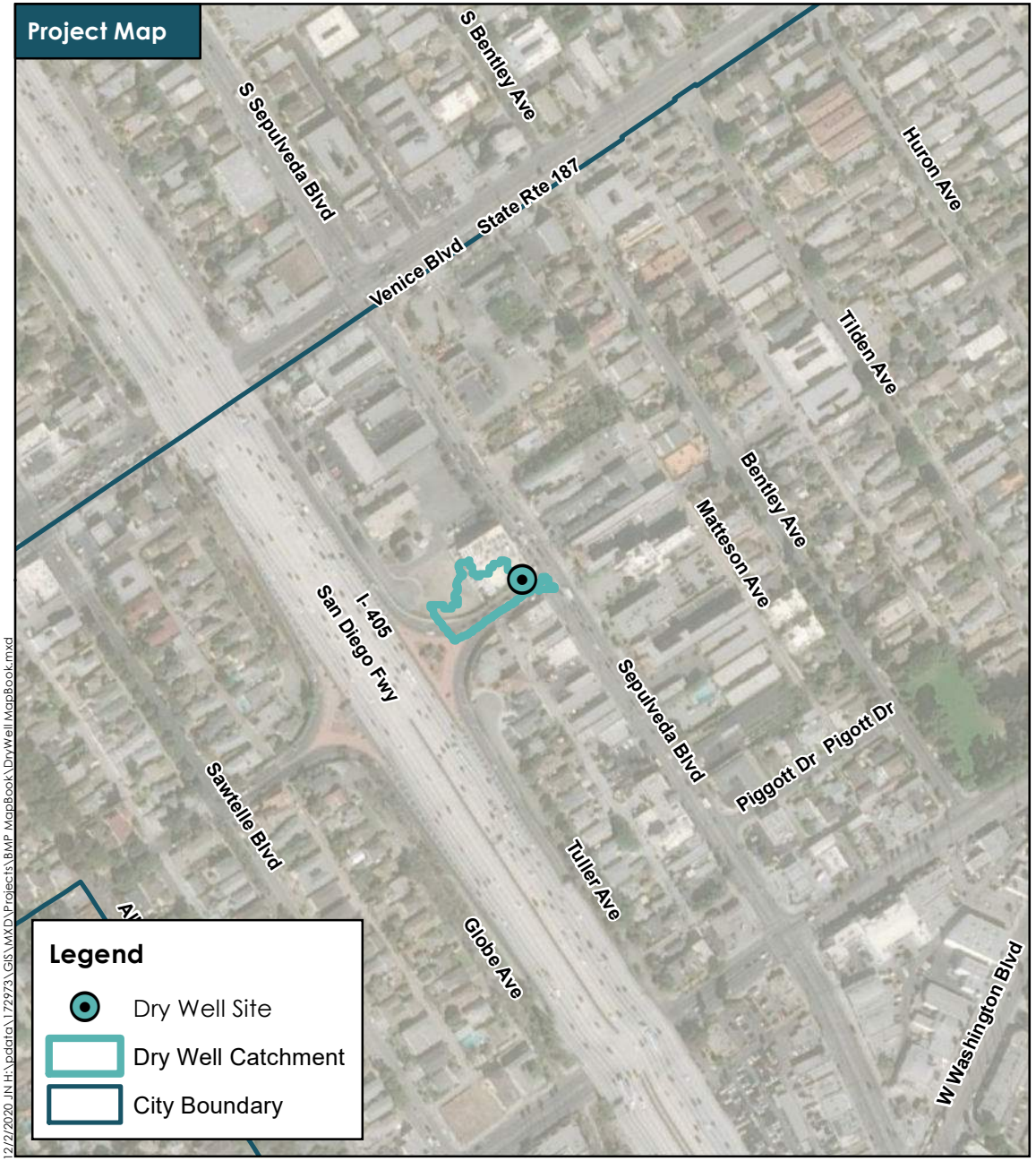
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Dry Well Site: D20

Project Map



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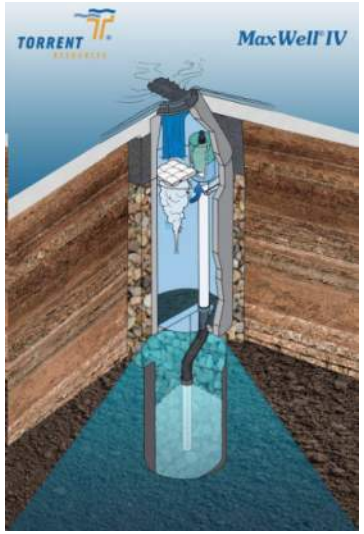
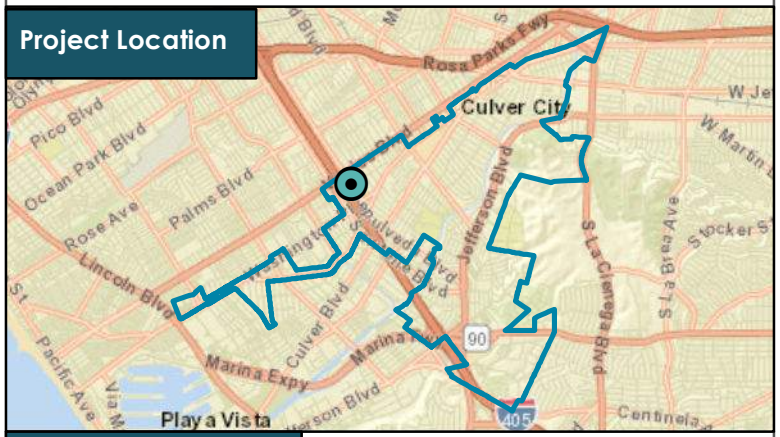
Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.03
Drainage Area (ac):		0.51
Depth to Groundwater:		41
EWMP Equivalent Volume (ac-ft):		0.03
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

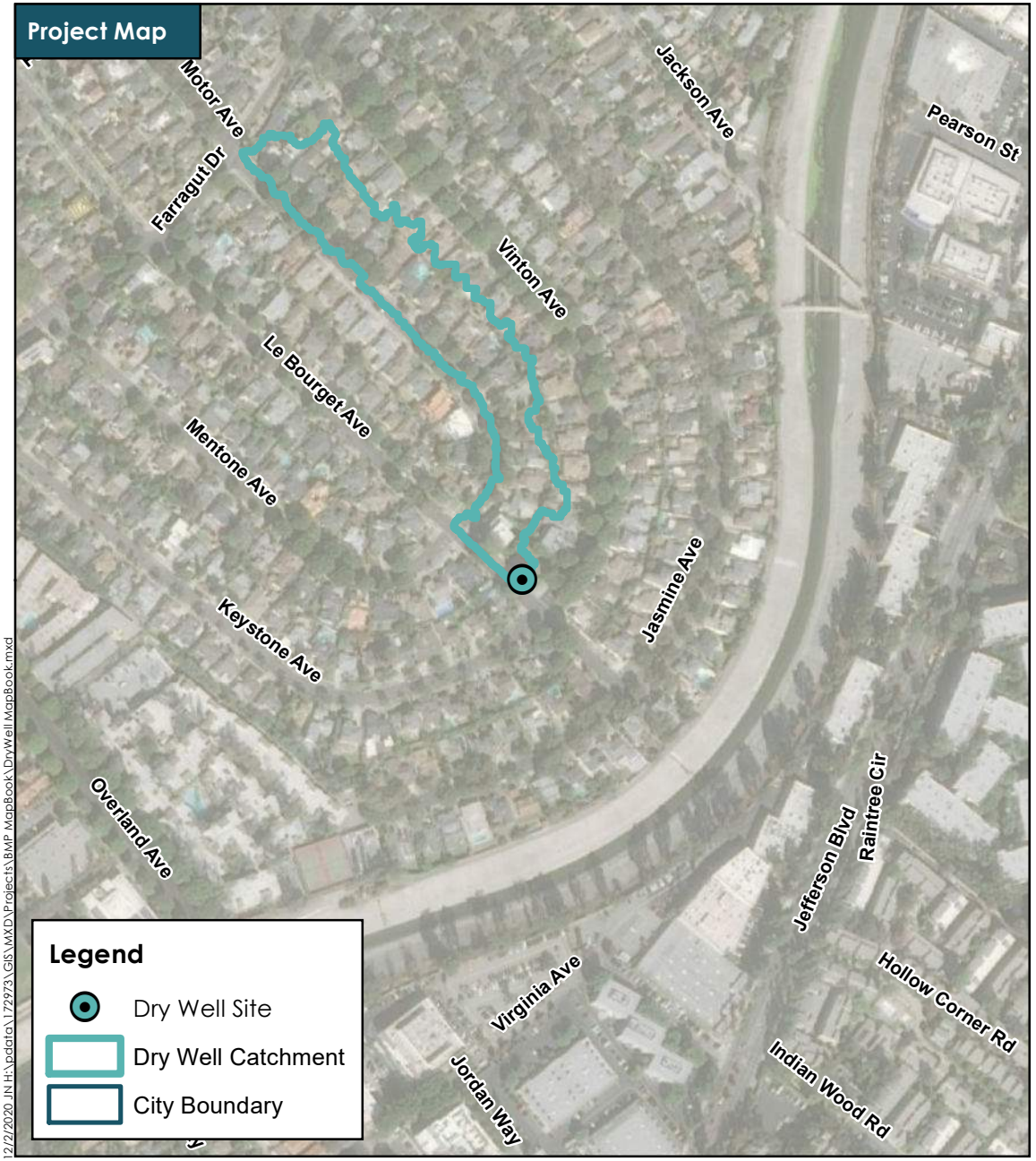
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

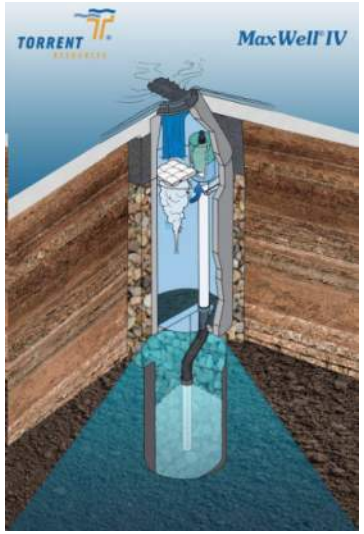
Dry Well Site: D21

Project Map



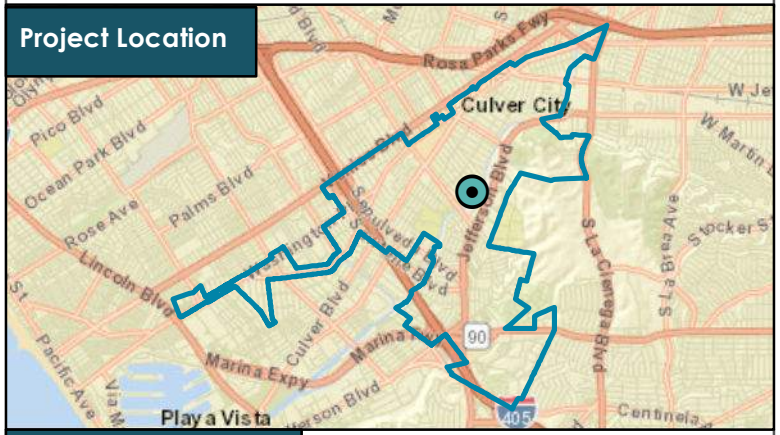
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.19
Drainage Area (ac):		4.26
Depth to Groundwater:		27
EWMP Equivalent Volume (ac-ft):		0.2
Cost Estimate:	$	200,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

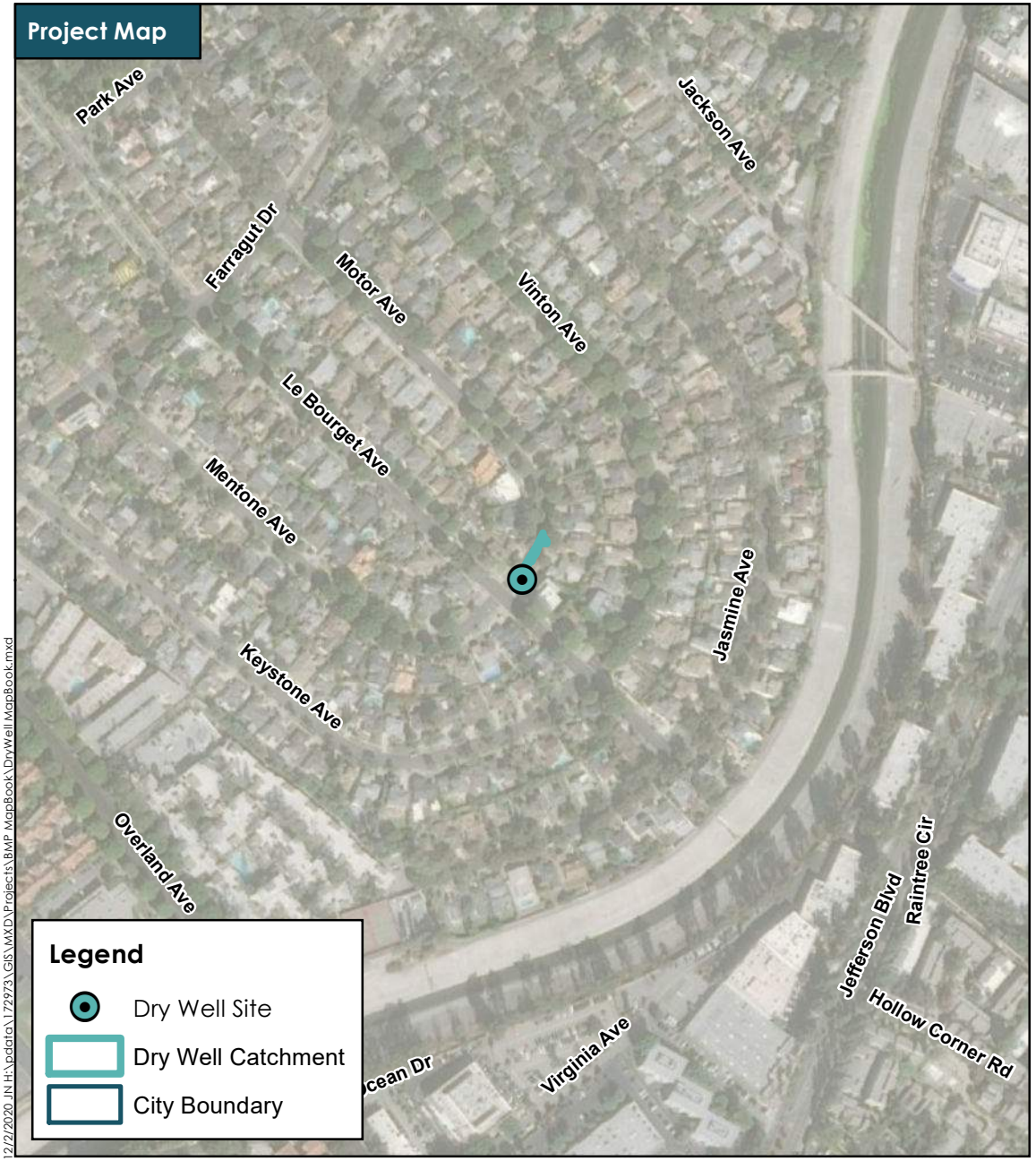
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

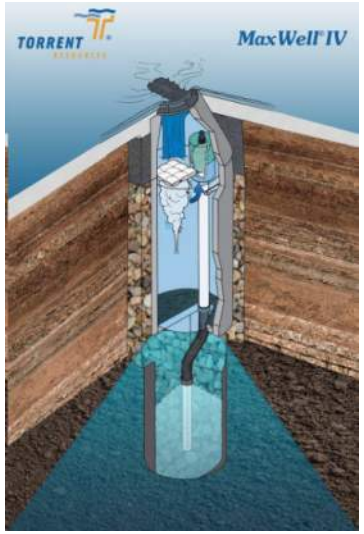
Dry Well Site: D22

Project Map



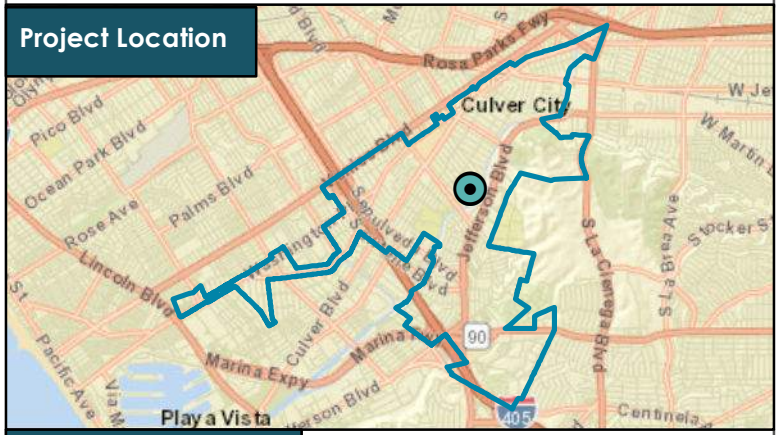
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0
Drainage Area (ac):		0.02
Depth to Groundwater:		27
EWMP Equivalent Volume (ac-ft):		0
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

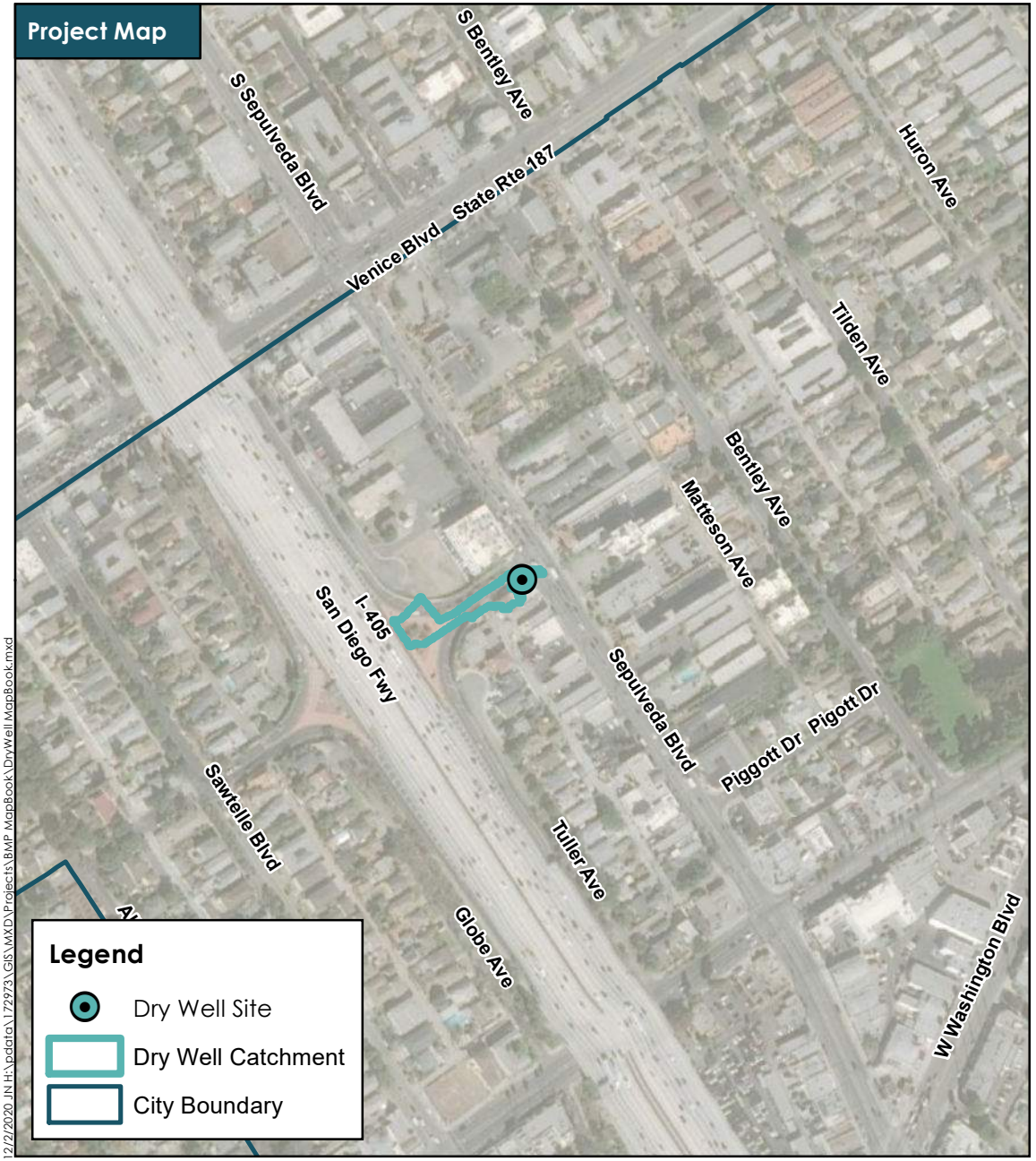
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Dry Well Site: D23

Project Map



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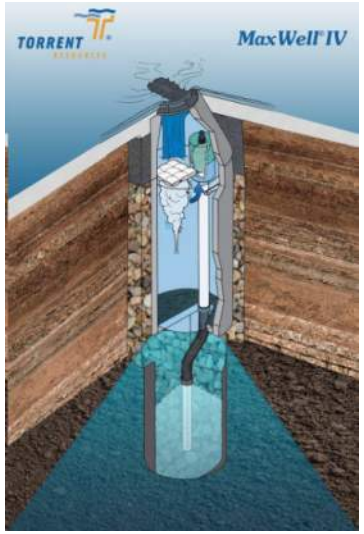
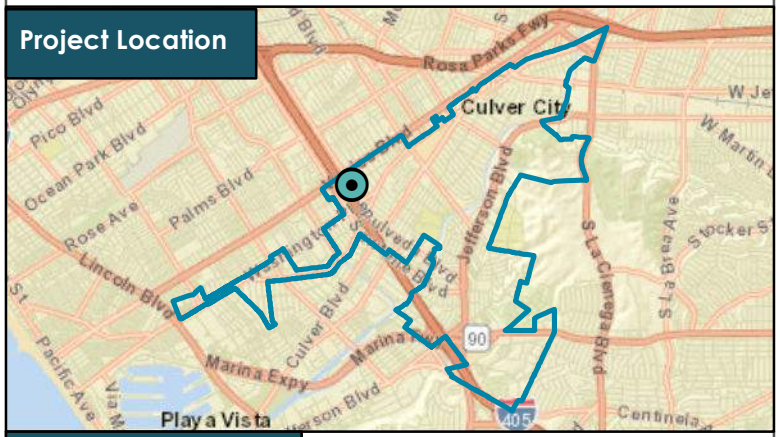
Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.03
Drainage Area (ac):		0.36
Depth to Groundwater:		40
EWMP Equivalent Volume (ac-ft):		0.03
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

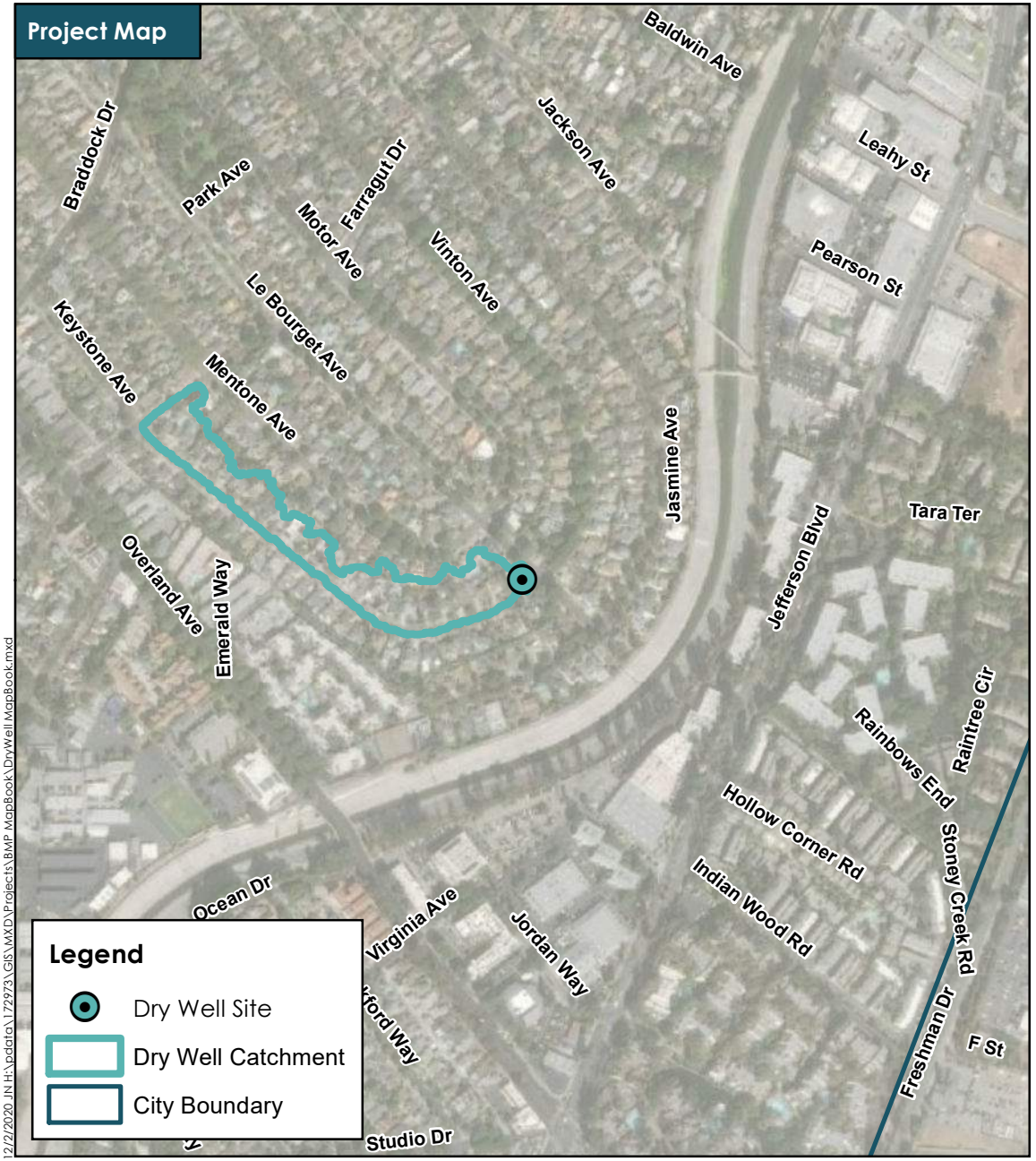
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

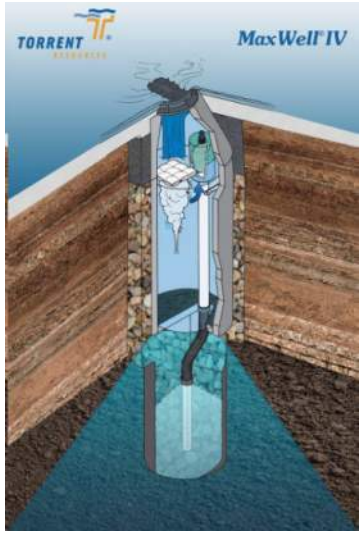
Dry Well Site: D24

Project Map



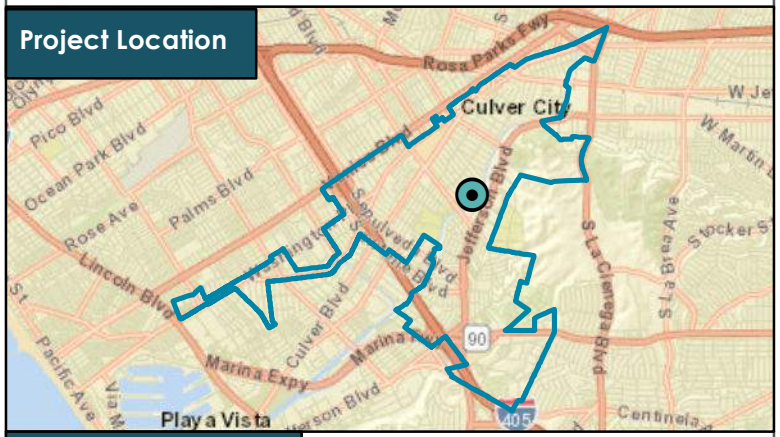
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.26
Drainage Area (ac):		5.23
Depth to Groundwater:		26
EWMP Equivalent Volume (ac-ft):		0.27
Cost Estimate:	$	250,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

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Michael Baker INTERNATIONAL

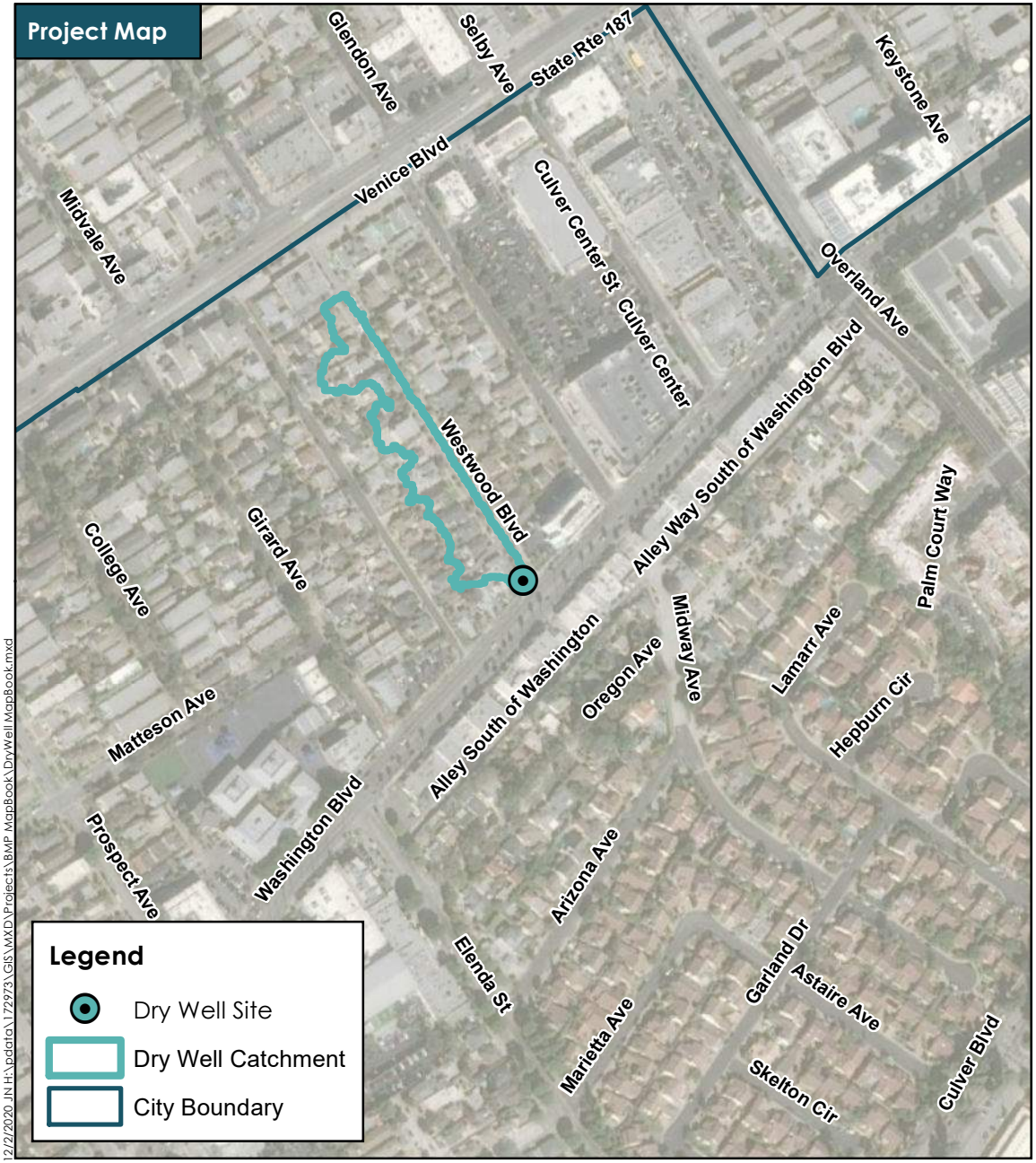
0 300 600 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Dry Well Site: D25

Project Map



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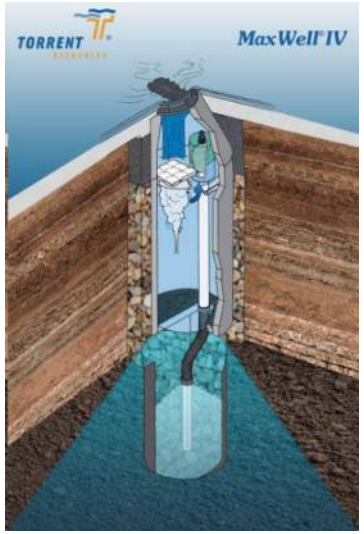
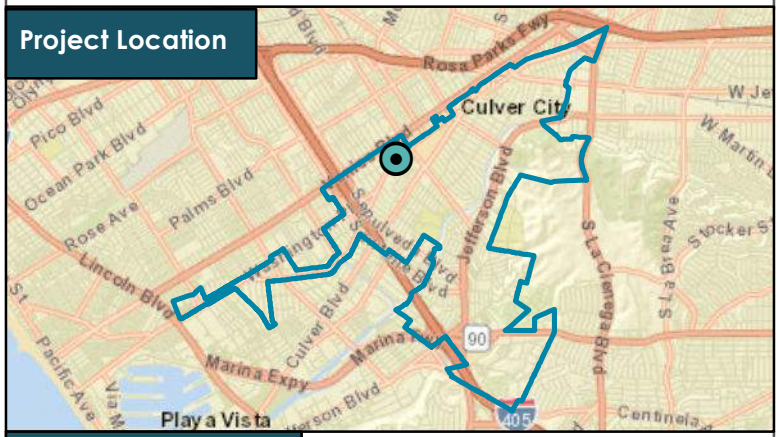
Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.11
Drainage Area (ac):		1.87
Depth to Groundwater:		33
EWMP Equivalent Volume (ac-ft):		0.12
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

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Michael Baker INTERNATIONAL

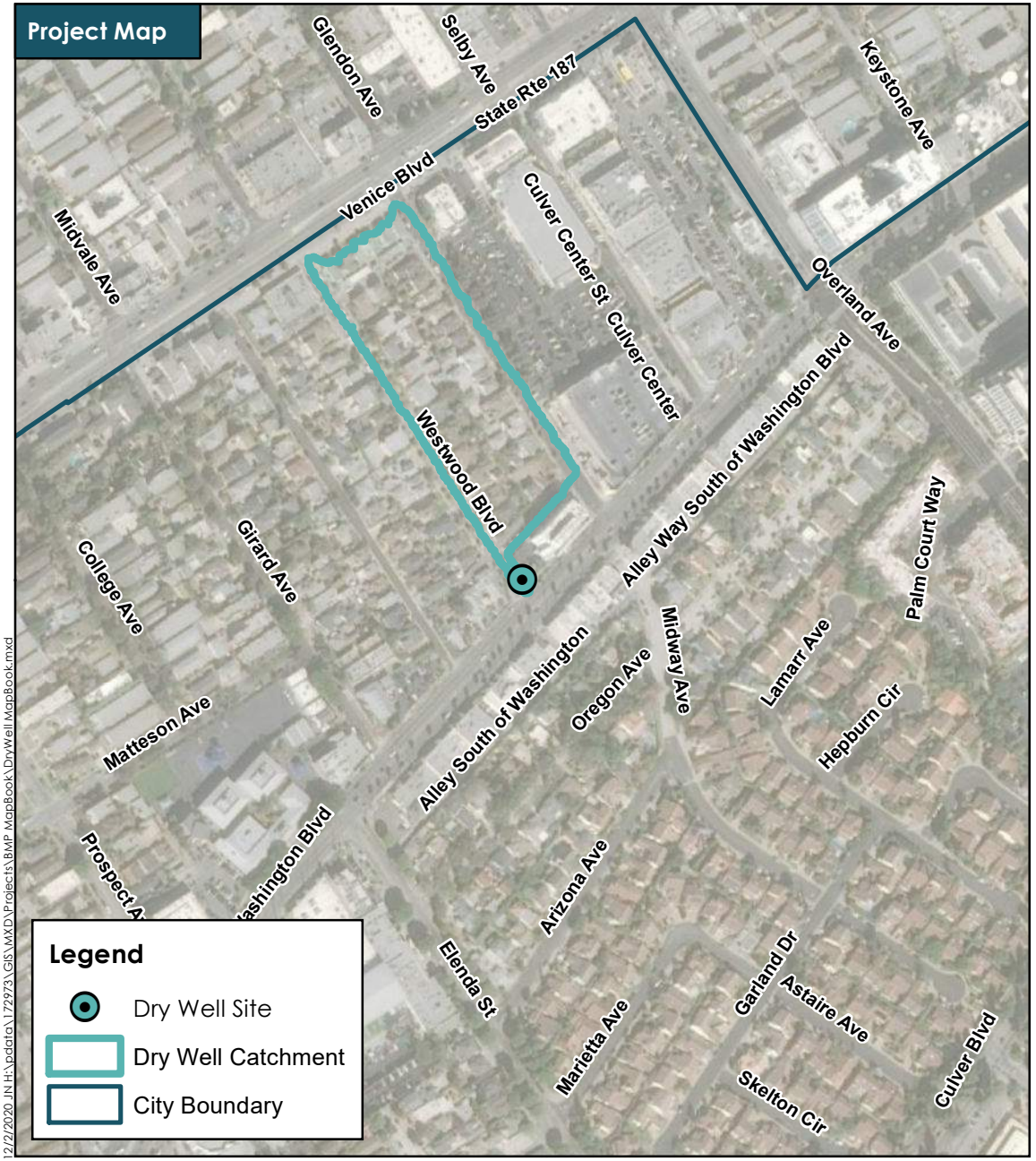
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Dry Well Site: D26

Project Map



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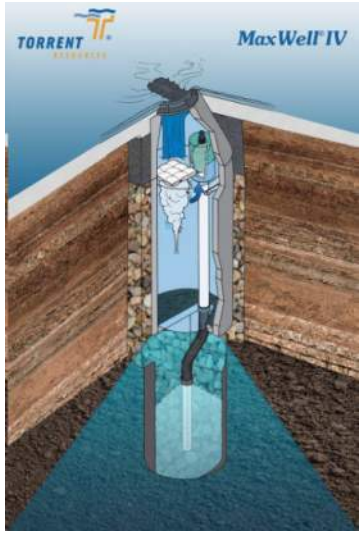
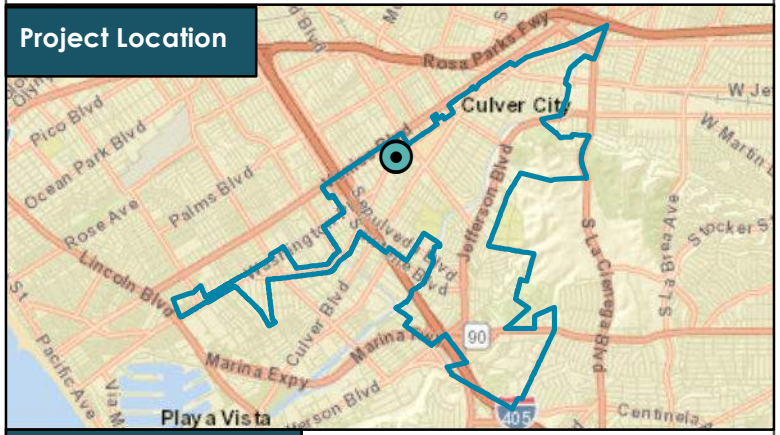
Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.28
Drainage Area (ac):		4.7
Depth to Groundwater:		33
EWMP Equivalent Volume (ac-ft):		0.3
Cost Estimate:	$	200,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

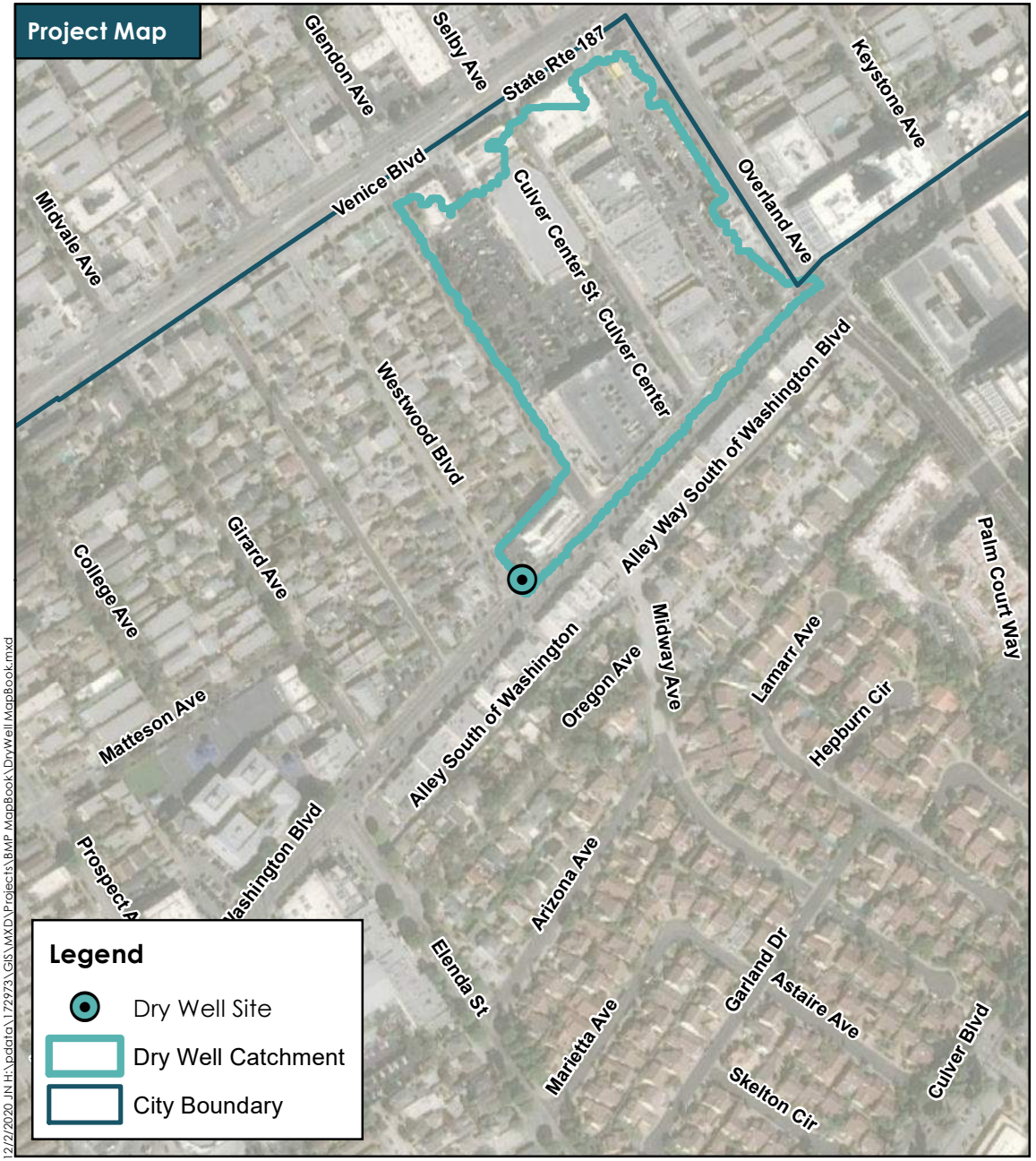
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

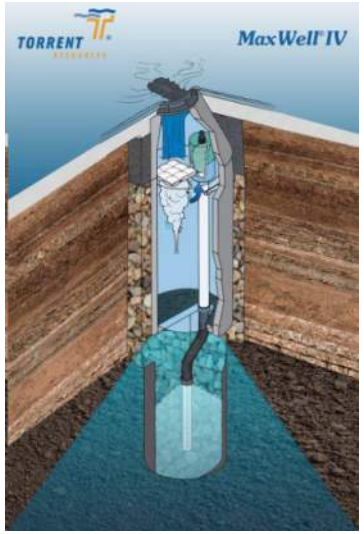
Dry Well Site: D27

Project Map



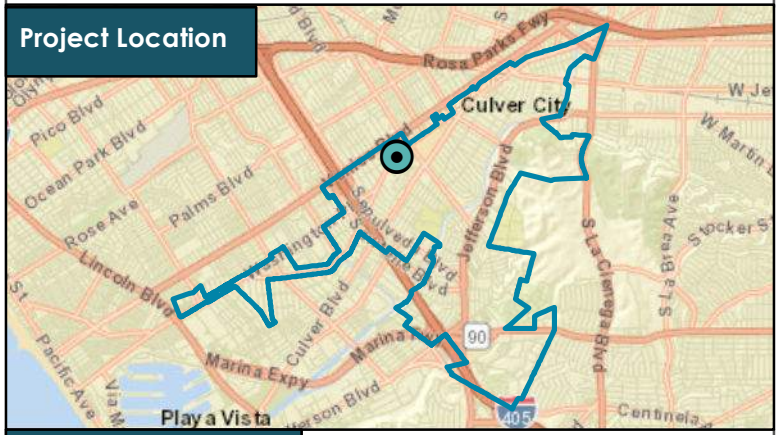
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.9
Drainage Area (ac):		11.98
Depth to Groundwater:		32
EWMP Equivalent Volume (ac-ft):		1.03
Cost Estimate:	$	550,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

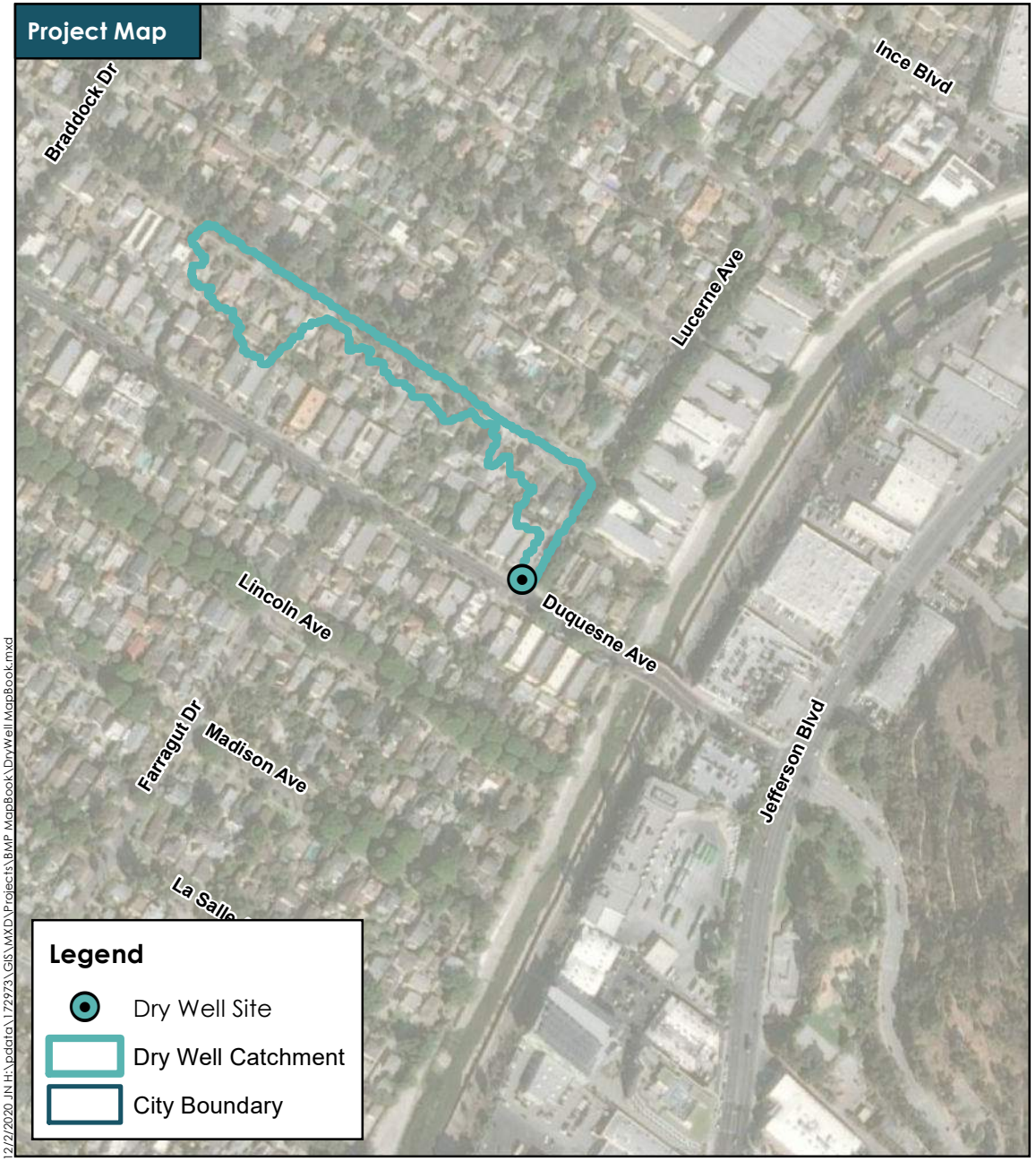
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

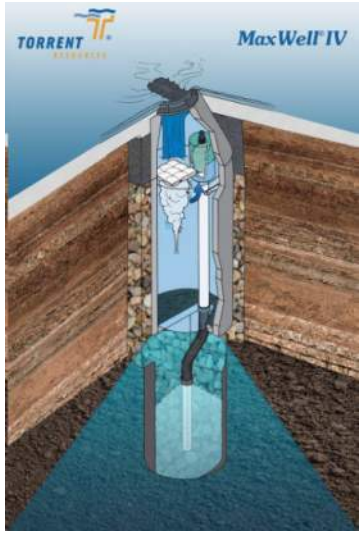
Dry Well Site: D28

Project Map



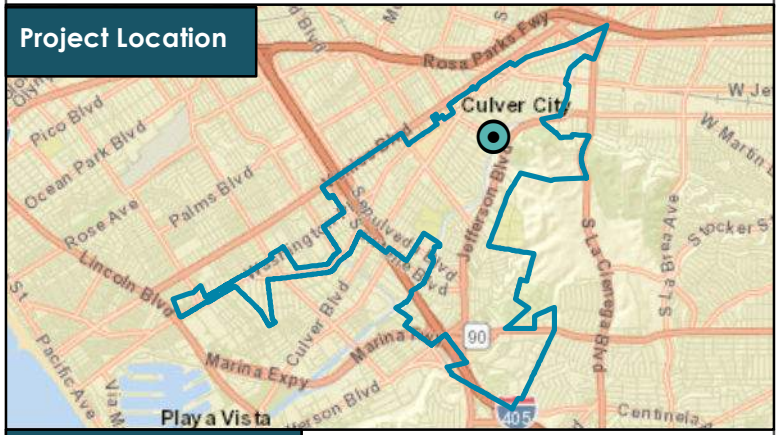
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.12
Drainage Area (ac):		2.56
Depth to Groundwater:		32
EWMP Equivalent Volume (ac-ft):		0.13
Cost Estimate:	$	100,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

0 200 400 Feet

Source: City of Culver City

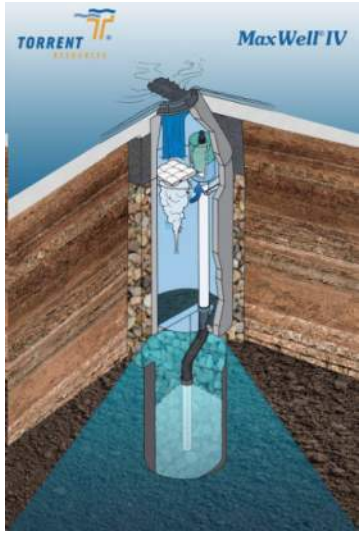
CULVER CITY STORMWATER QUALITY MASTER PLAN

Dry Well Site: D29

Project Map

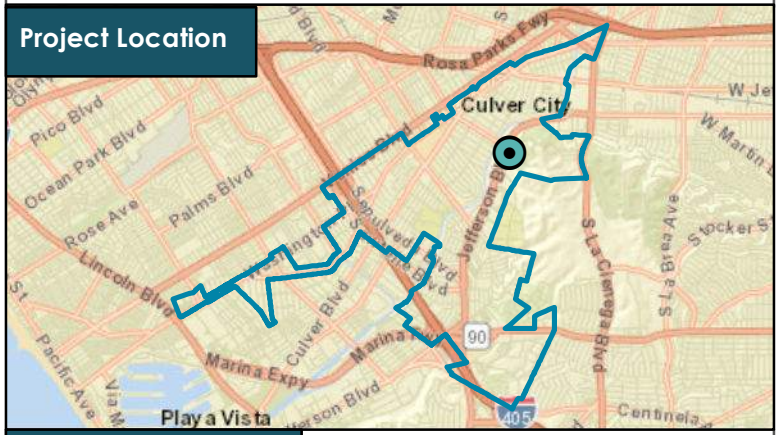
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.01
Drainage Area (ac):		0.66
Depth to Groundwater:		71
EWMP Equivalent Volume (ac-ft):		0
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

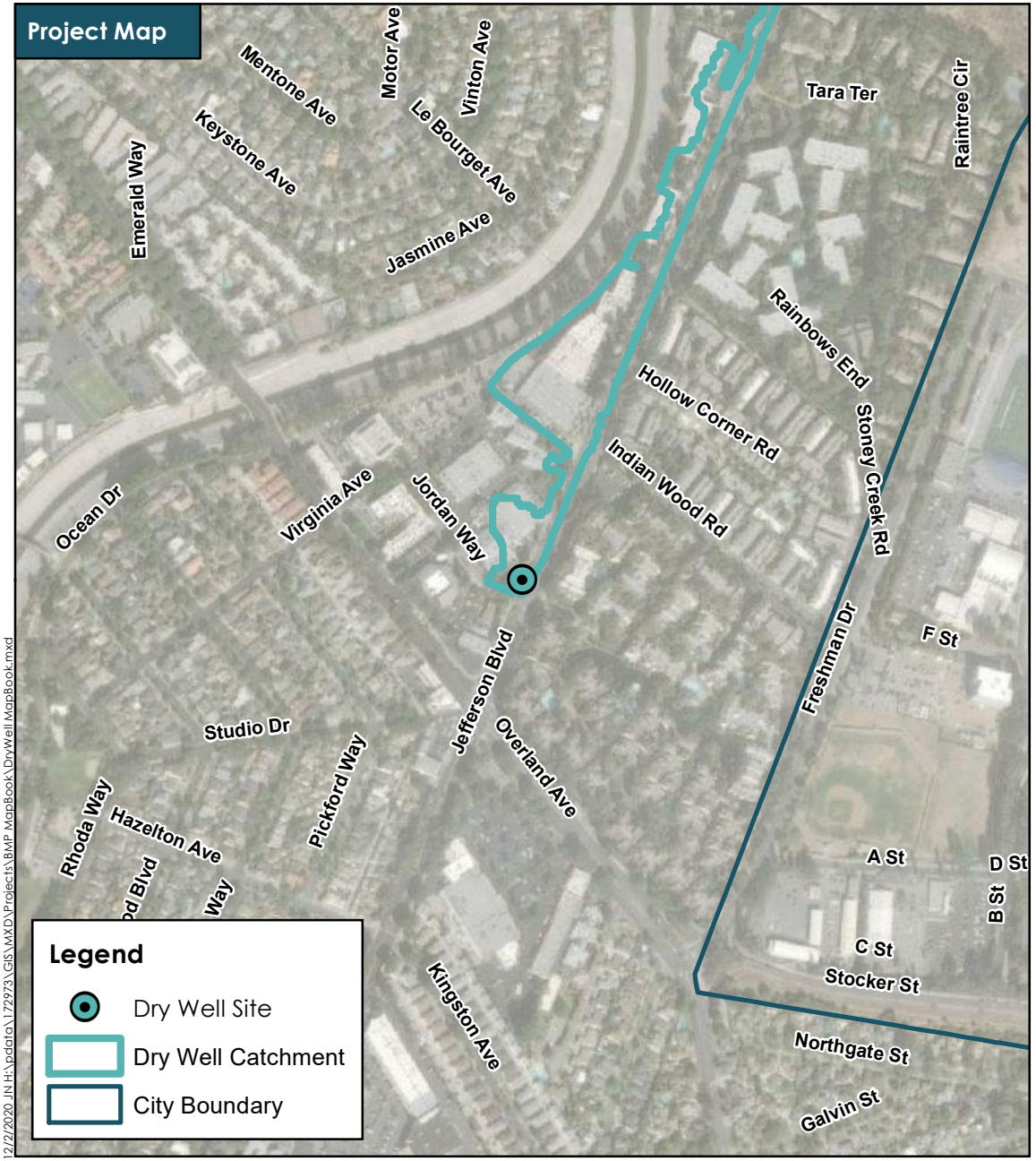
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Dry Well Site: D30

Project Map



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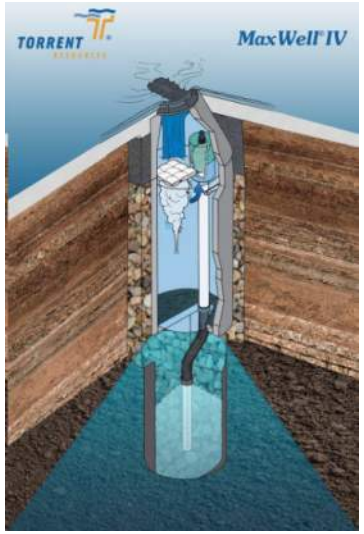
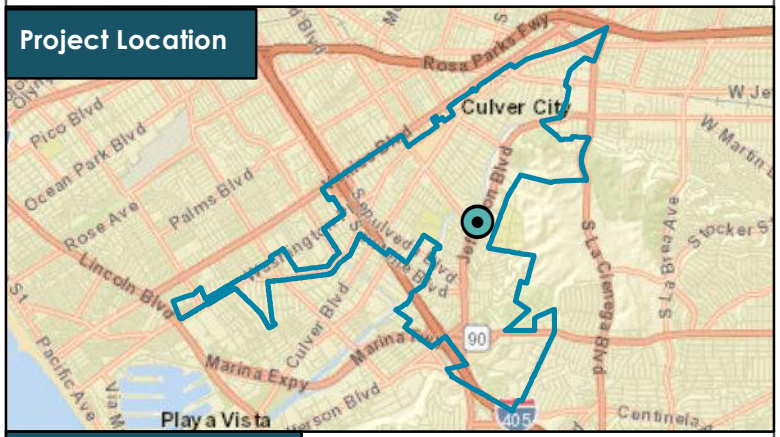
Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.52
Drainage Area (ac):		8.13
Depth to Groundwater:		36
EWMP Equivalent Volume (ac-ft):		0.58
Cost Estimate:	$	400,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

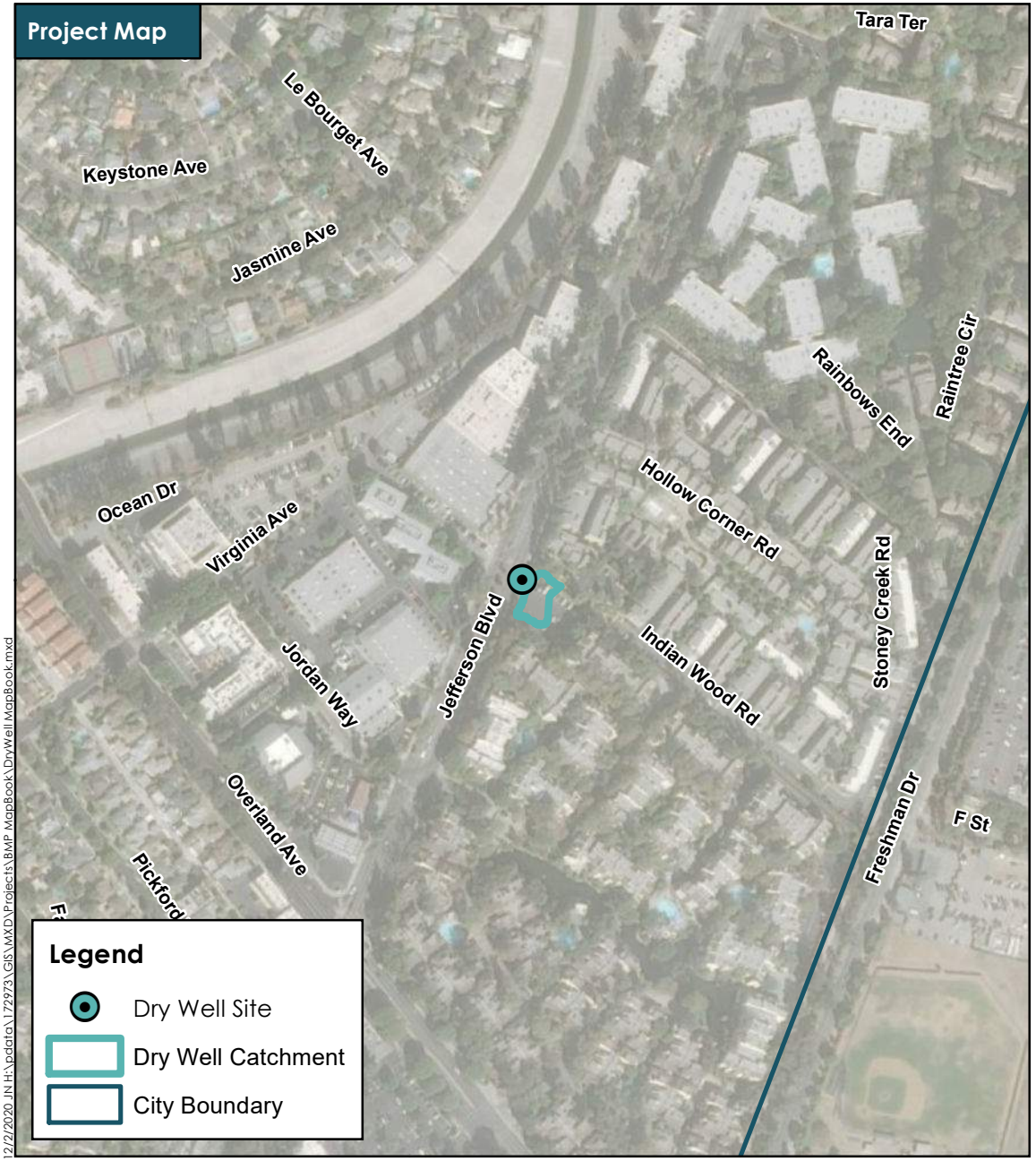
0 300 600 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

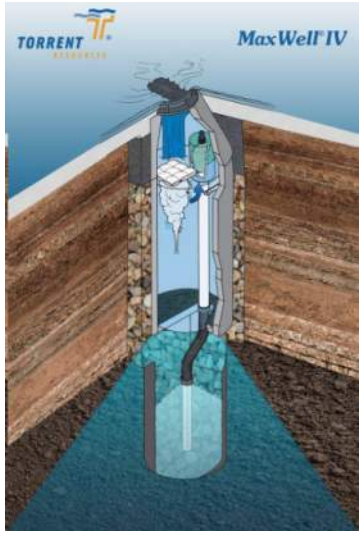
Dry Well Site: D31

Project Map



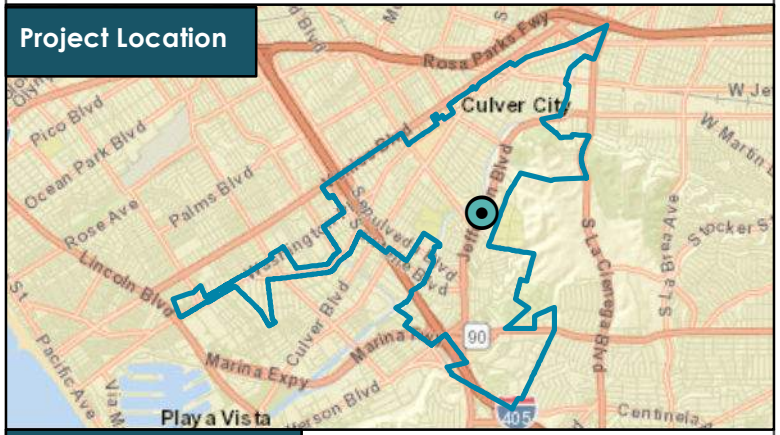
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.01
Drainage Area (ac):		0.16
Depth to Groundwater:		36
EWMP Equivalent Volume (ac-ft):		0.01
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

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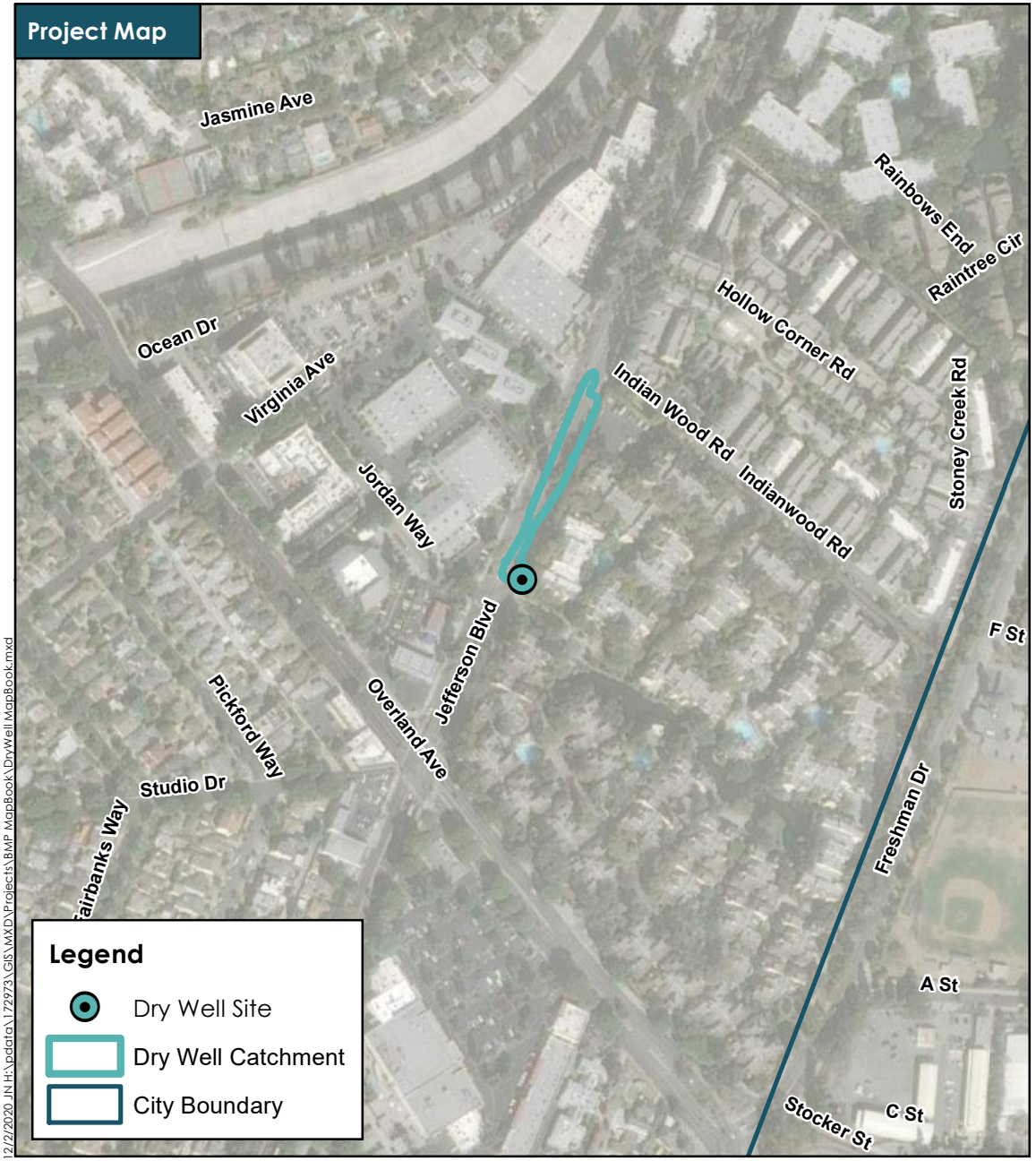
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

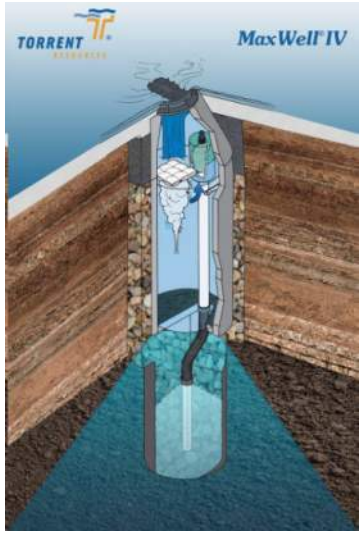
Dry Well Site: D32

Project Map



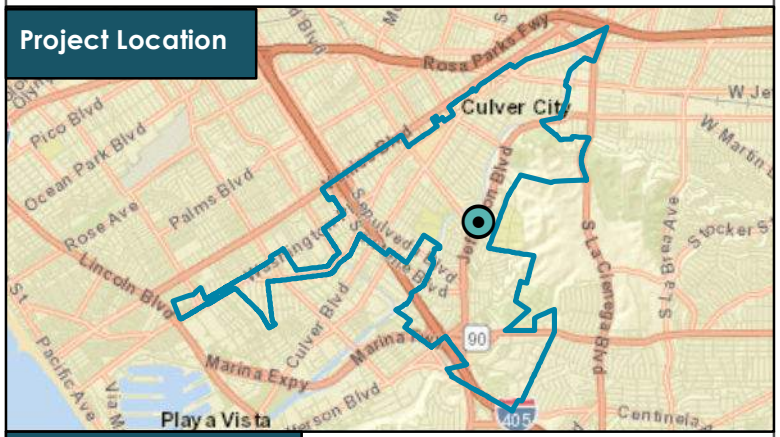
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.03
Drainage Area (ac):		0.45
Depth to Groundwater:		36
EWMP Equivalent Volume (ac-ft):		0.04
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

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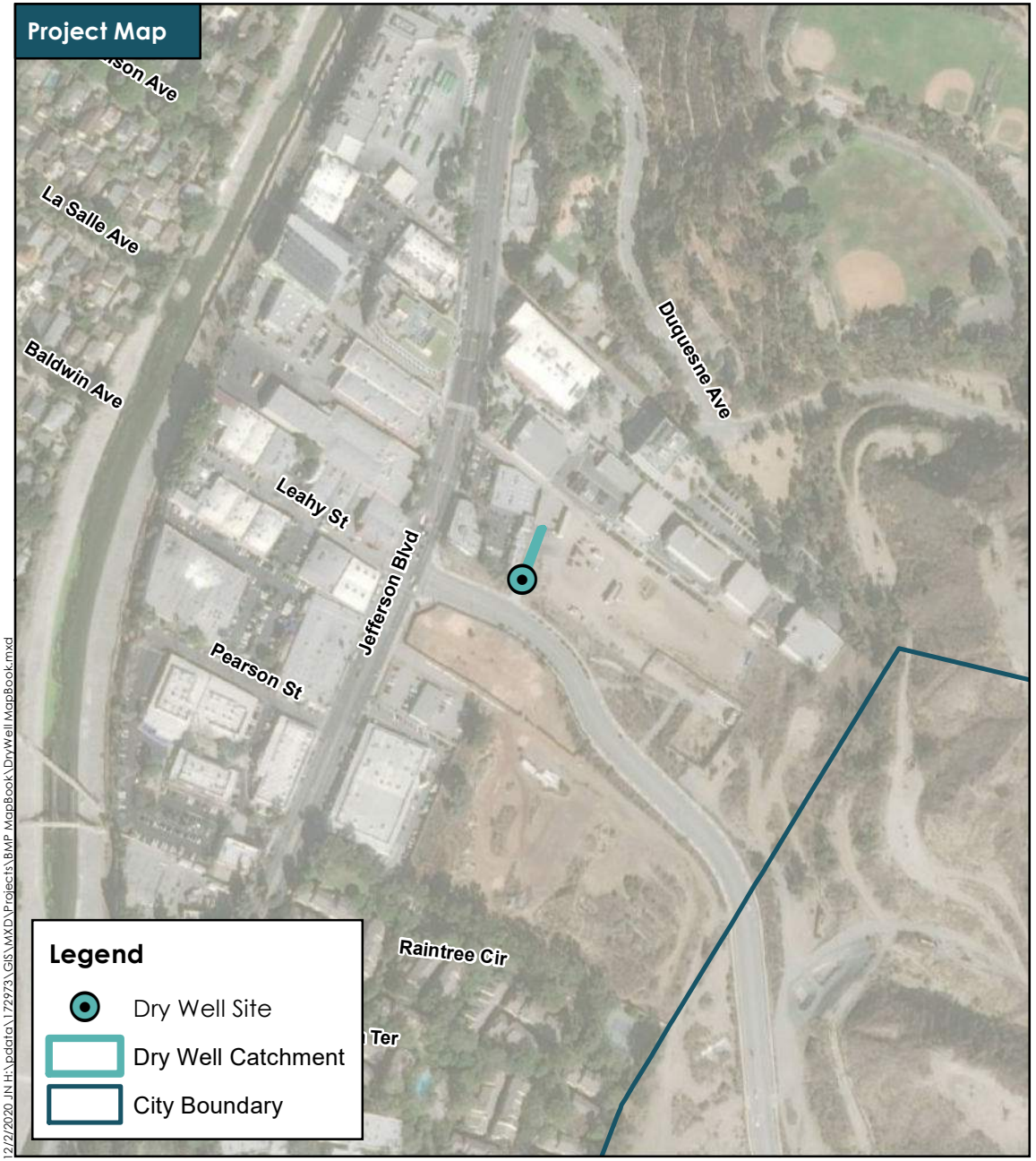
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

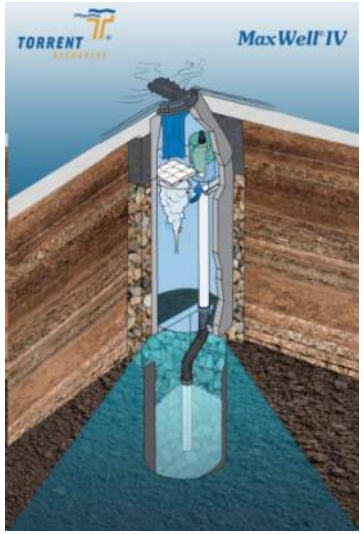
Dry Well Site: D33

Project Map



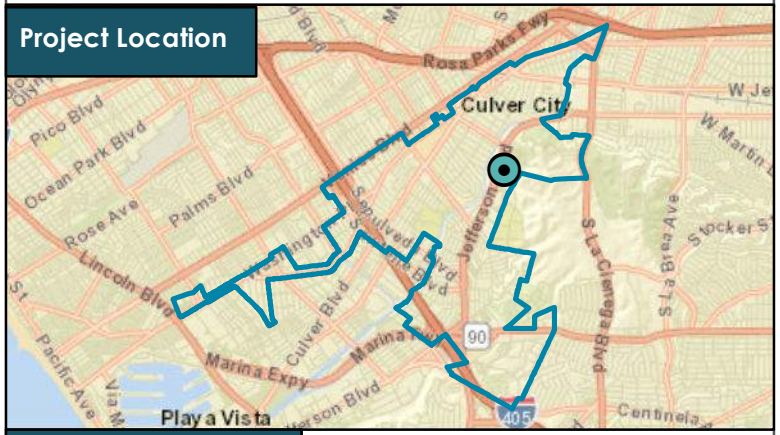
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0
Drainage Area (ac):		0.02
Depth to Groundwater:		59
EWMP Equivalent Volume (ac-ft):		0
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

0 200 400 Feet

Source: City of Culver City

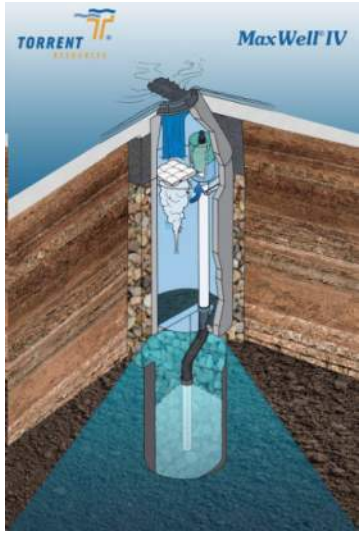
CULVER CITY STORMWATER QUALITY MASTER PLAN

Dry Well Site: D34

Project Map

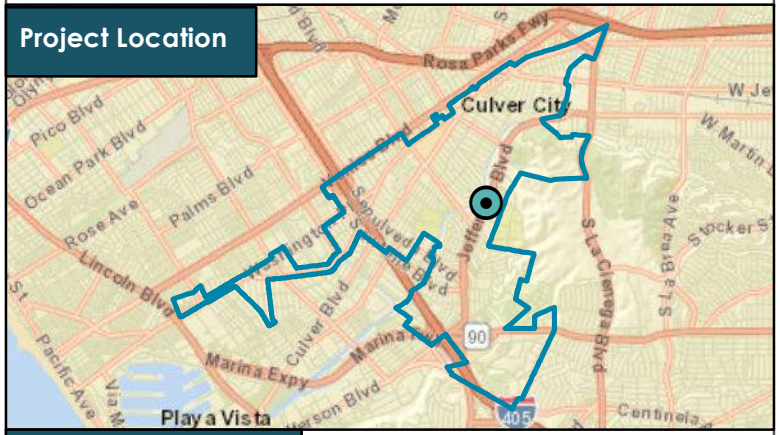
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.17
Drainage Area (ac):		2.82
Depth to Groundwater:		36
EWMP Equivalent Volume (ac-ft):		0.19
Cost Estimate:	$	100,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

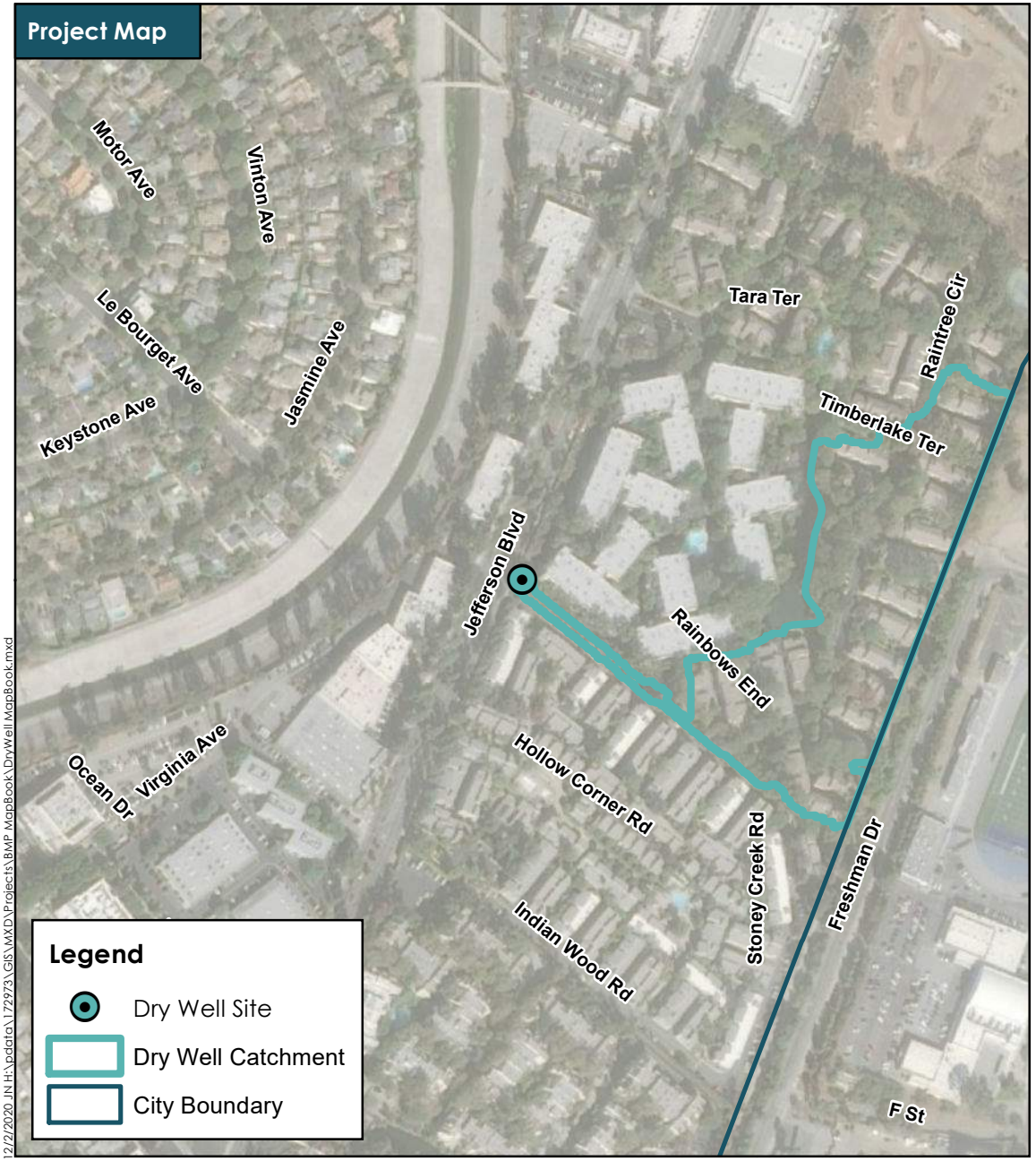
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

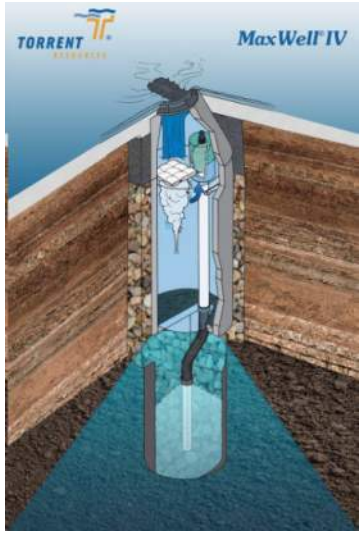
Dry Well Site: D35

Project Map



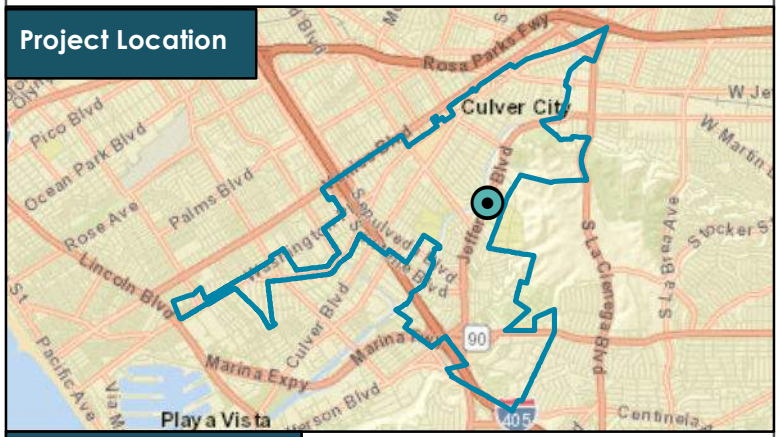
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.38
Drainage Area (ac):		8.03
Depth to Groundwater:		36
EWMP Equivalent Volume (ac-ft):		0.39
Cost Estimate:	$	400,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

0 200 400 Feet

Source: City of Culver City

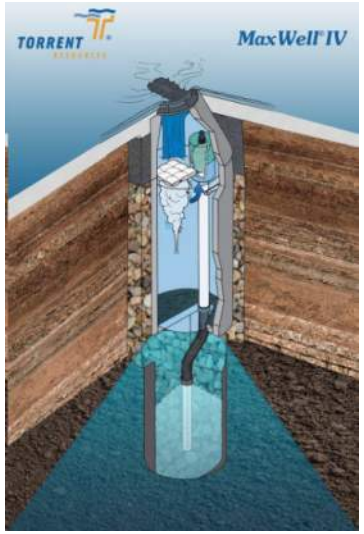
CULVER CITY STORMWATER QUALITY MASTER PLAN

Dry Well Site: D36

Project Map

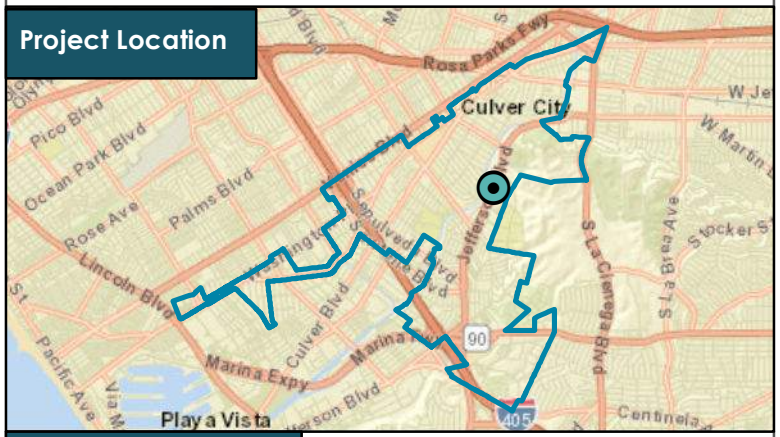
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.08
Drainage Area (ac):		1.87
Depth to Groundwater:		39
EWMP Equivalent Volume (ac-ft):		0.09
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

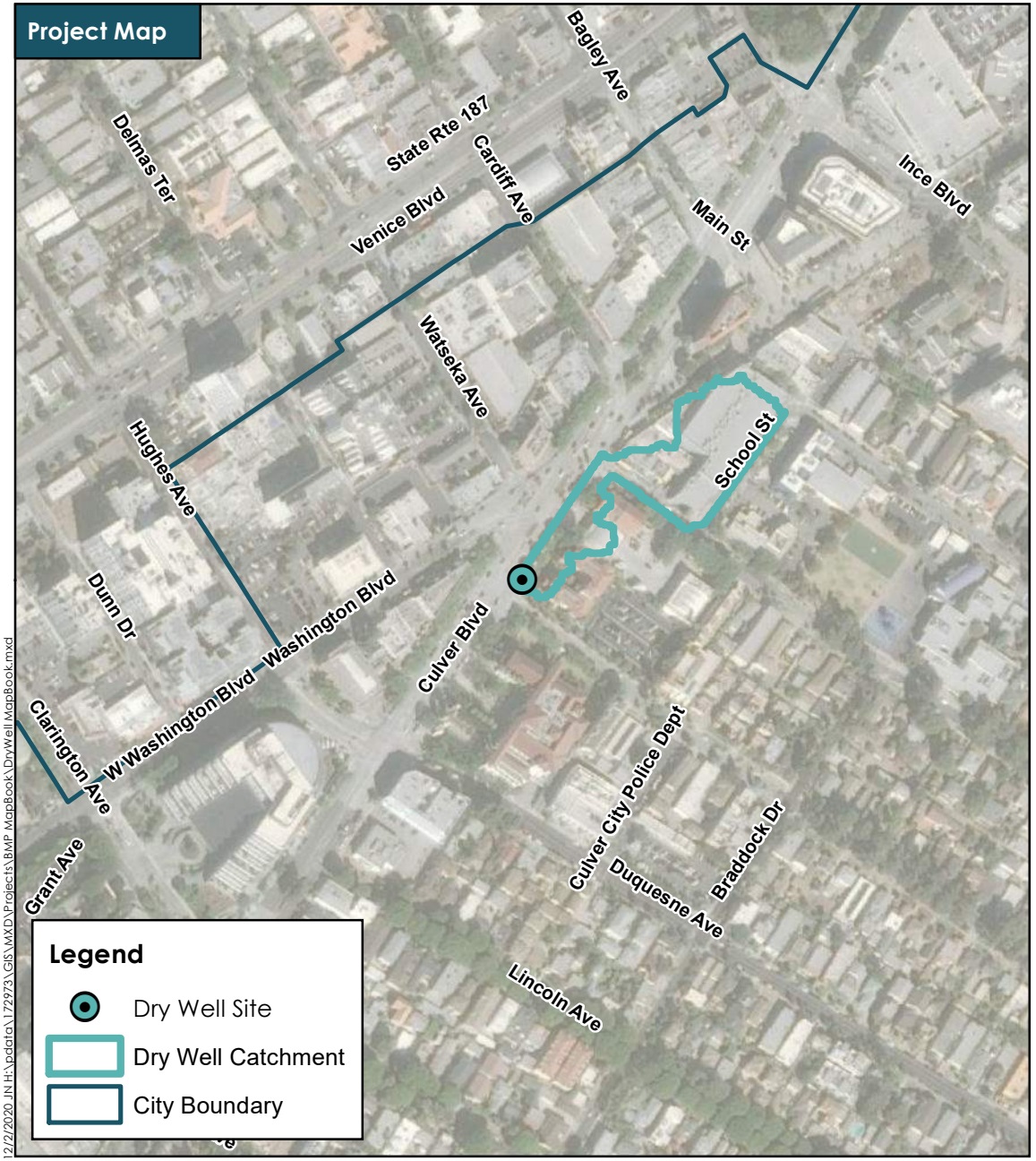
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

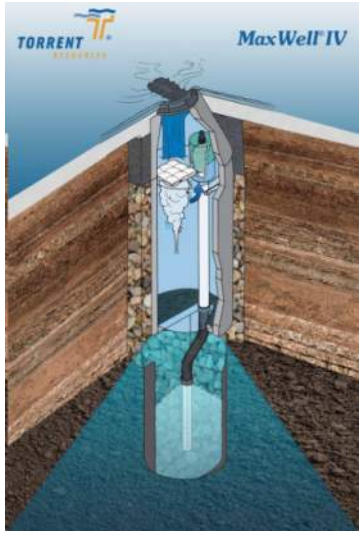
Dry Well Site: D37

Project Map



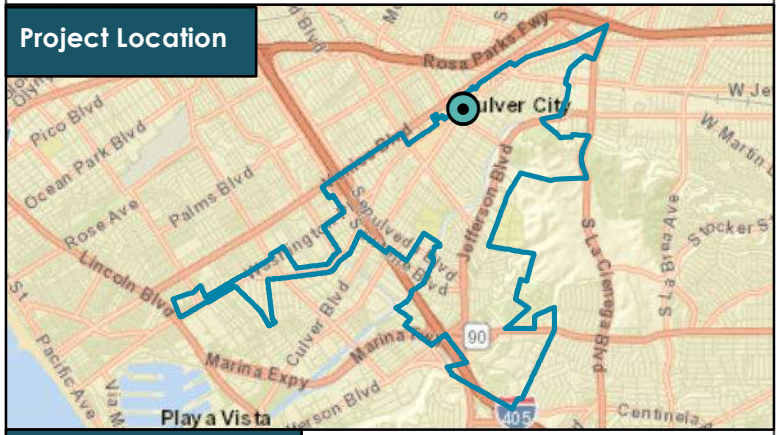
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.16
Drainage Area (ac):		2.32
Depth to Groundwater:		56
EWMP Equivalent Volume (ac-ft):		0.2
Cost Estimate:	$	100,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

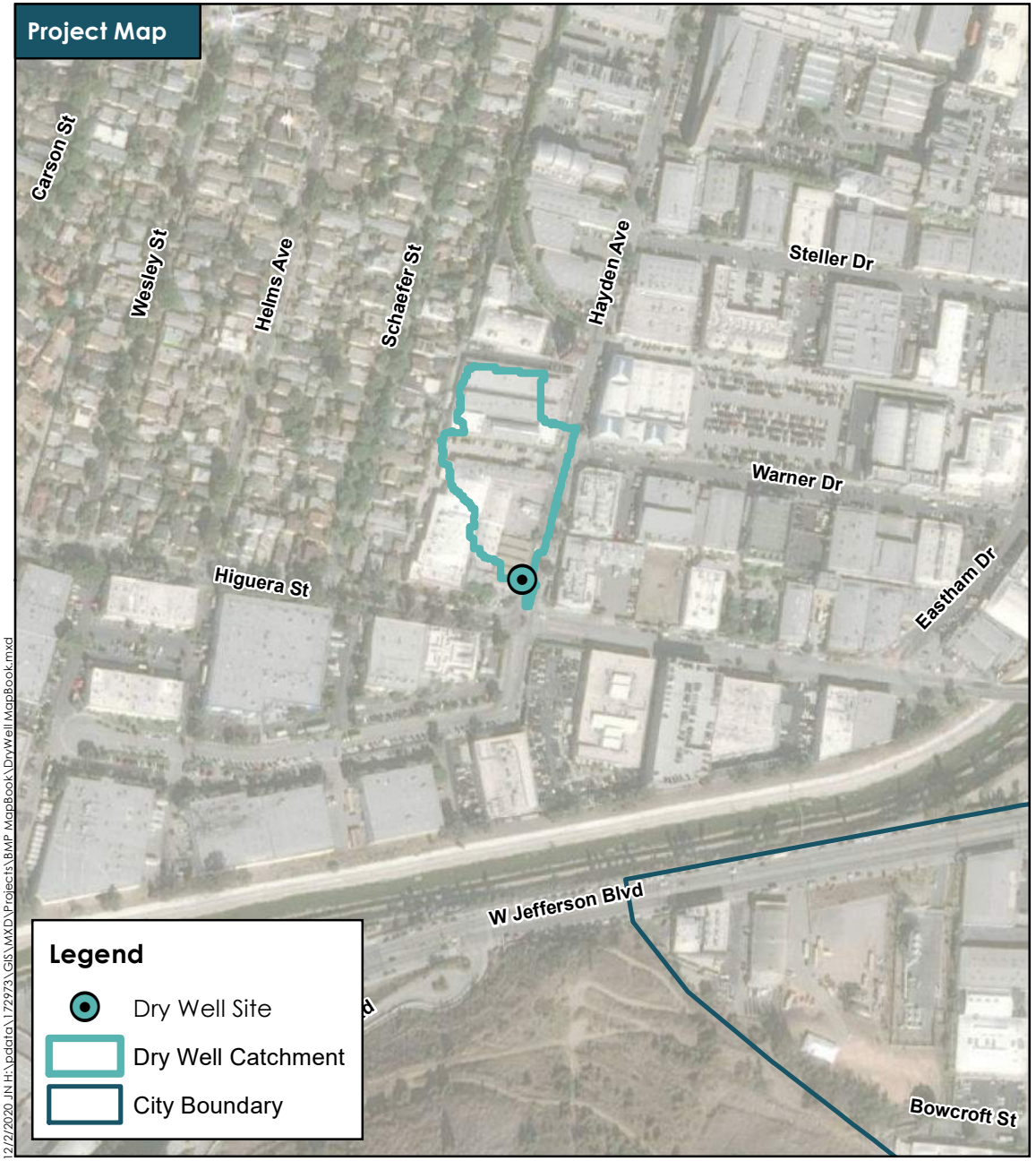
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

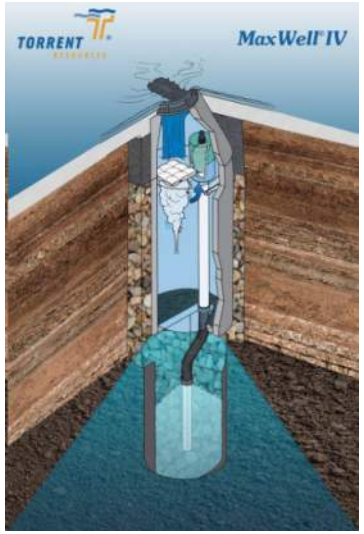
Dry Well Site: D38

Project Map



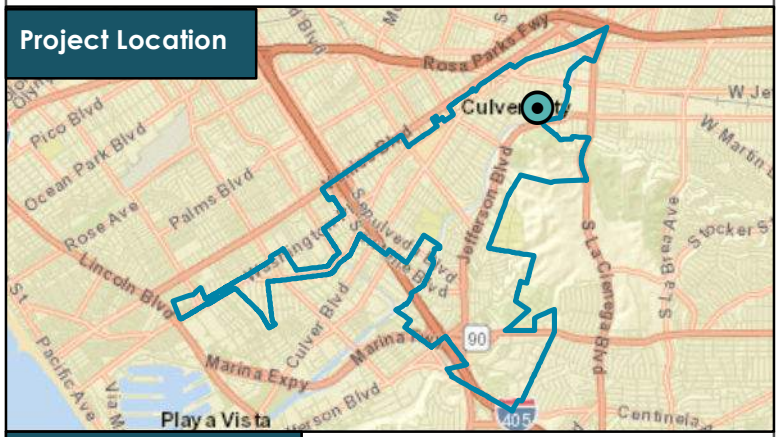
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.18
Drainage Area (ac):		2.29
Depth to Groundwater:		33
EWMP Equivalent Volume (ac-ft):		0.23
Cost Estimate:	$	100,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

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Michael Baker INTERNATIONAL

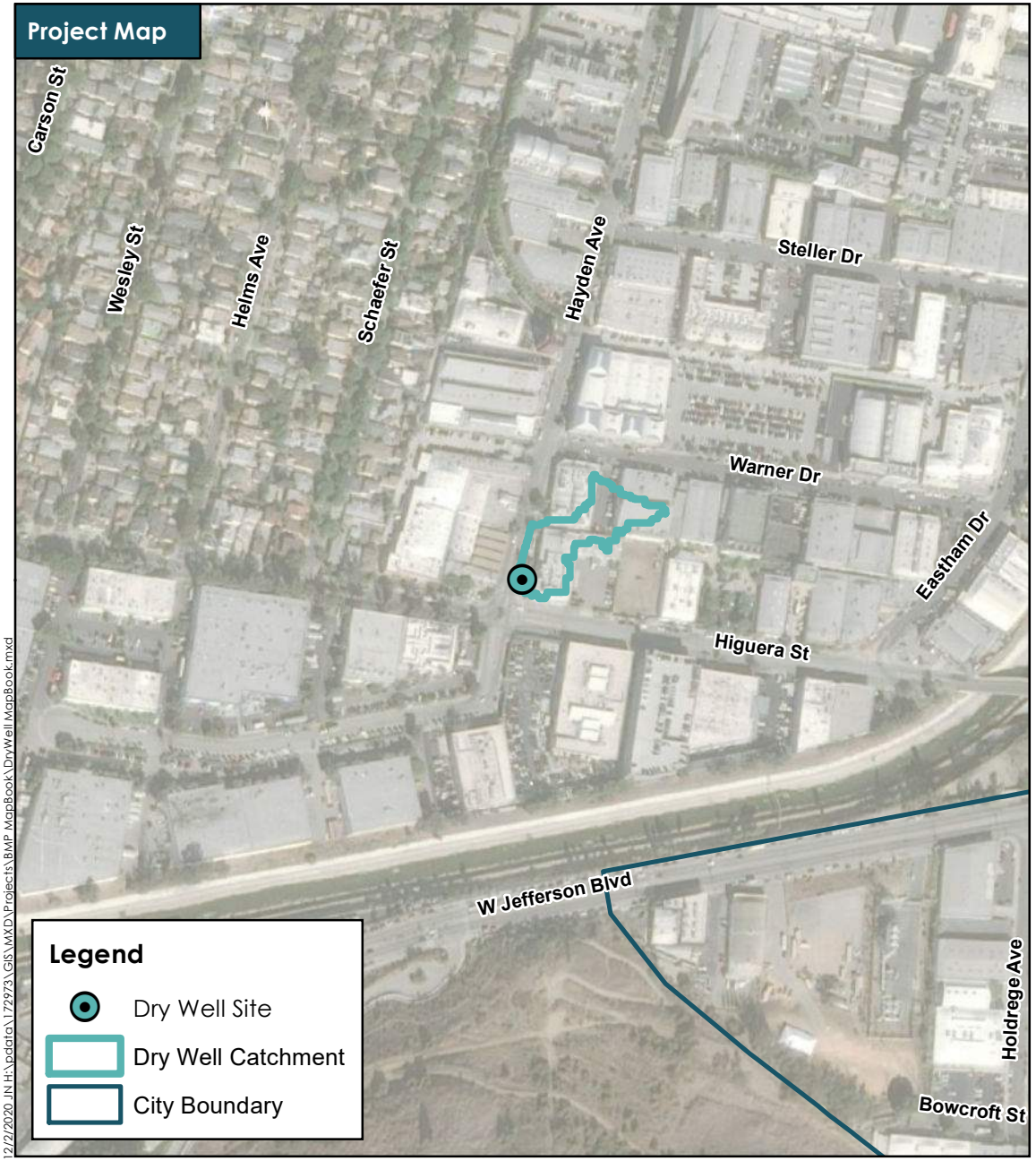
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

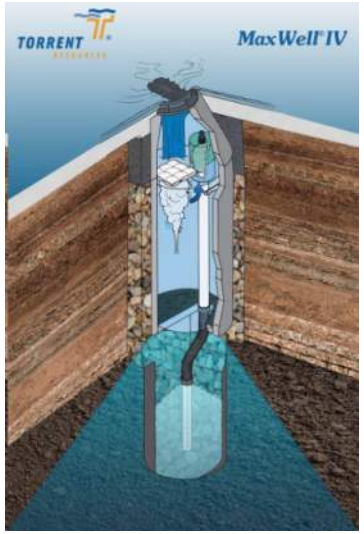
Dry Well Site: D39

Project Map



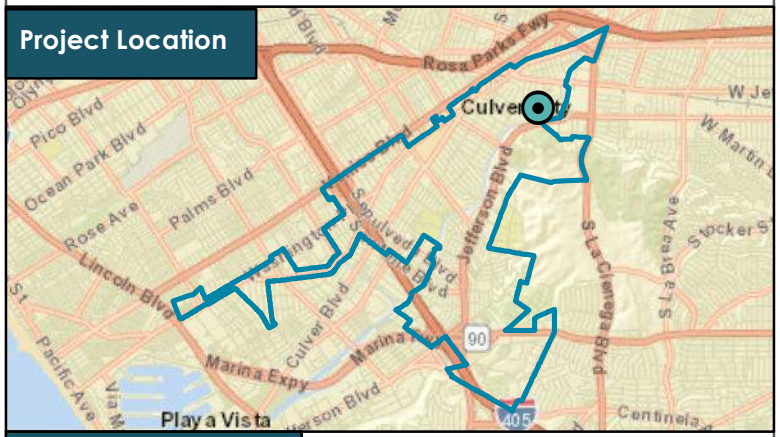
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.06
Drainage Area (ac):		0.82
Depth to Groundwater:		34
EWMP Equivalent Volume (ac-ft):		0.08
Cost Estimate:	$	50,000

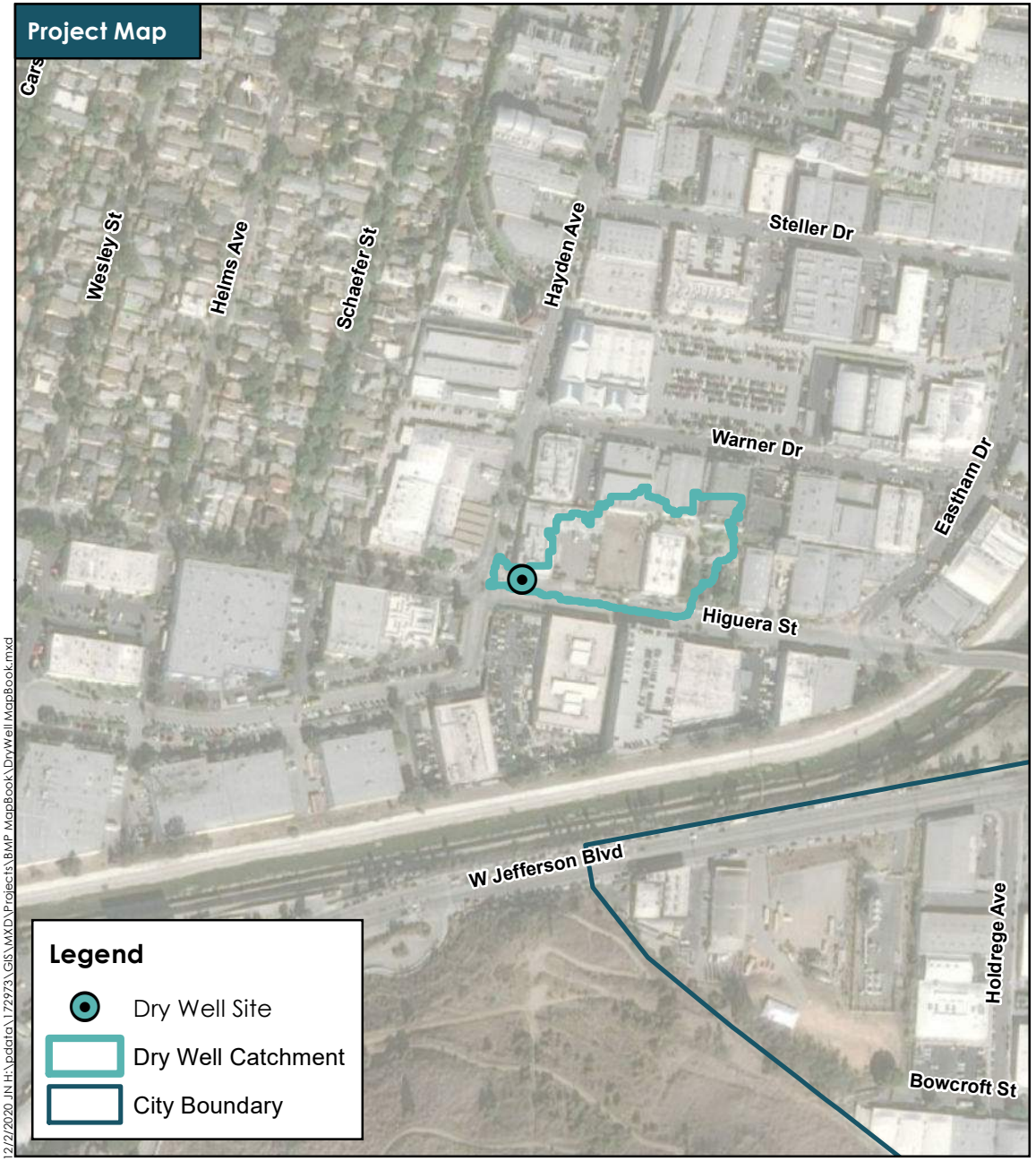
*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

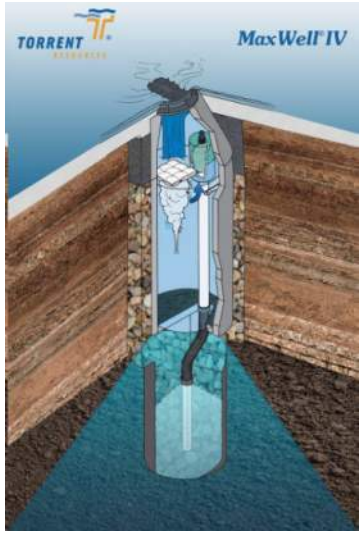
Dry Well Site: D40

Project Map



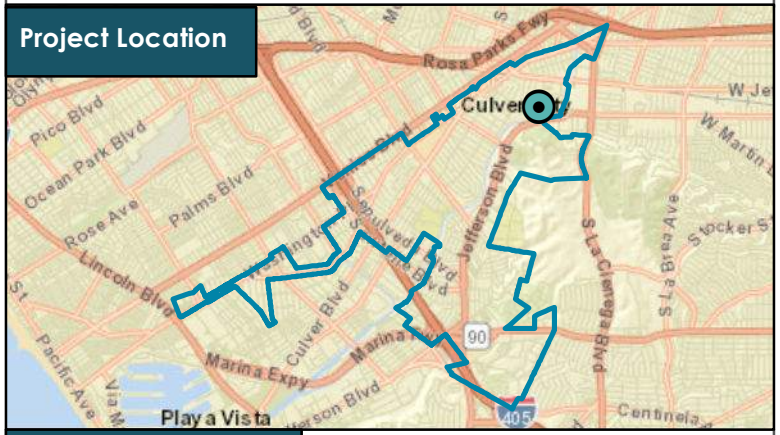
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.18
Drainage Area (ac):		2.36
Depth to Groundwater:		35
EWMP Equivalent Volume (ac-ft):		0.23
Cost Estimate:	$	100,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

Source: City of Culver City

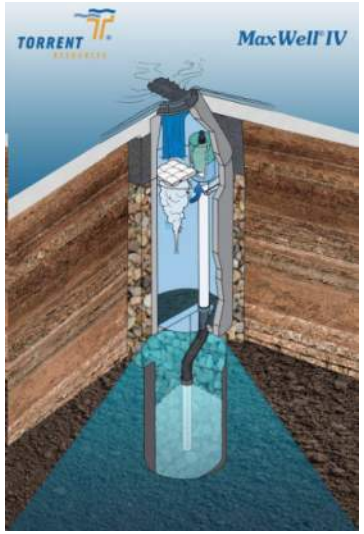
CULVER CITY STORMWATER QUALITY MASTER PLAN

Dry Well Site: D41

Project Map

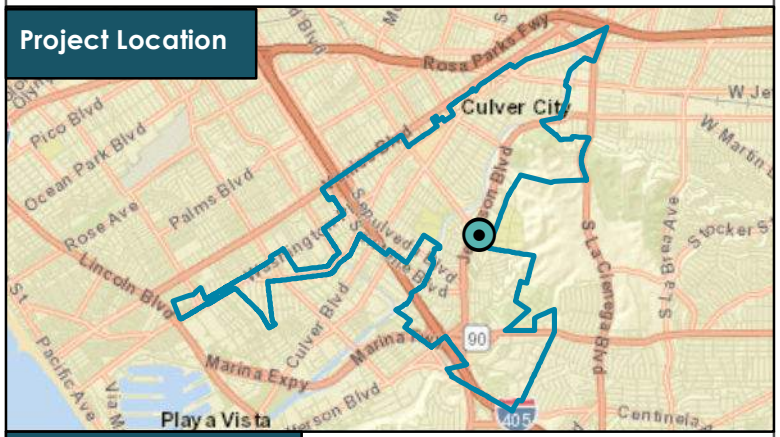
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.02
Drainage Area (ac):		0.3
Depth to Groundwater:		33
EWMP Equivalent Volume (ac-ft):		0.02
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

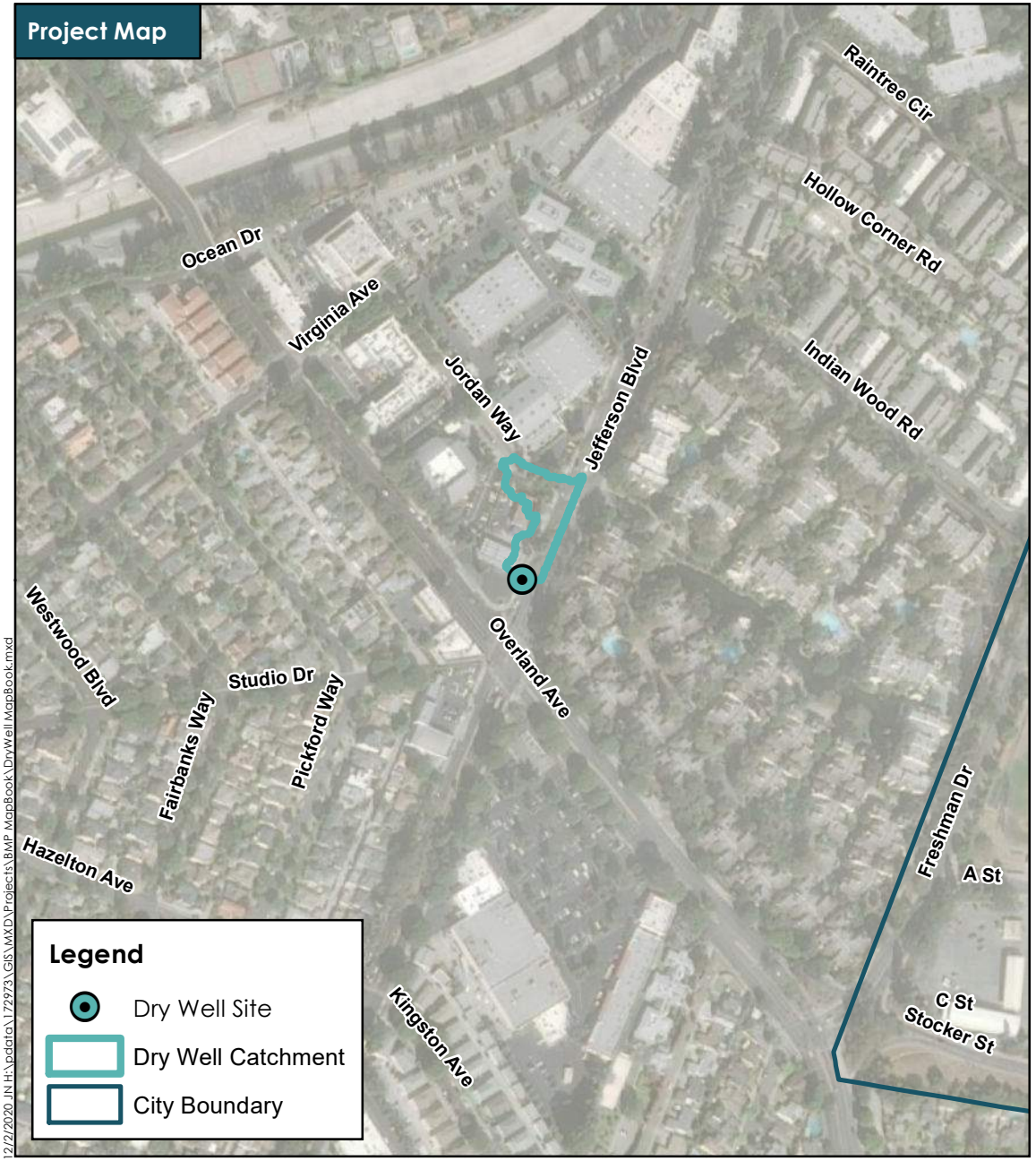
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

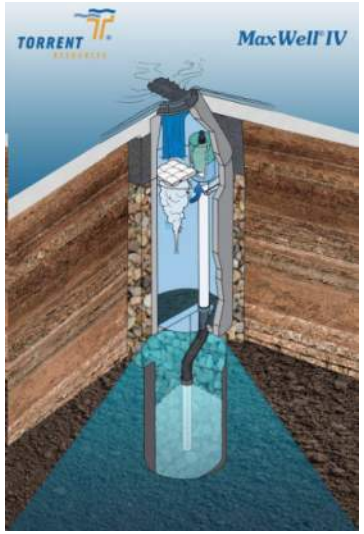
Dry Well Site: D42

Project Map



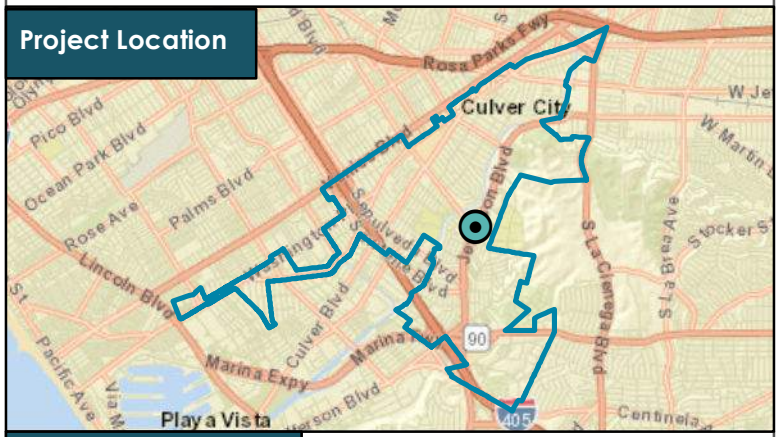
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.03
Drainage Area (ac):		0.61
Depth to Groundwater:		35
EWMP Equivalent Volume (ac-ft):		0.03
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

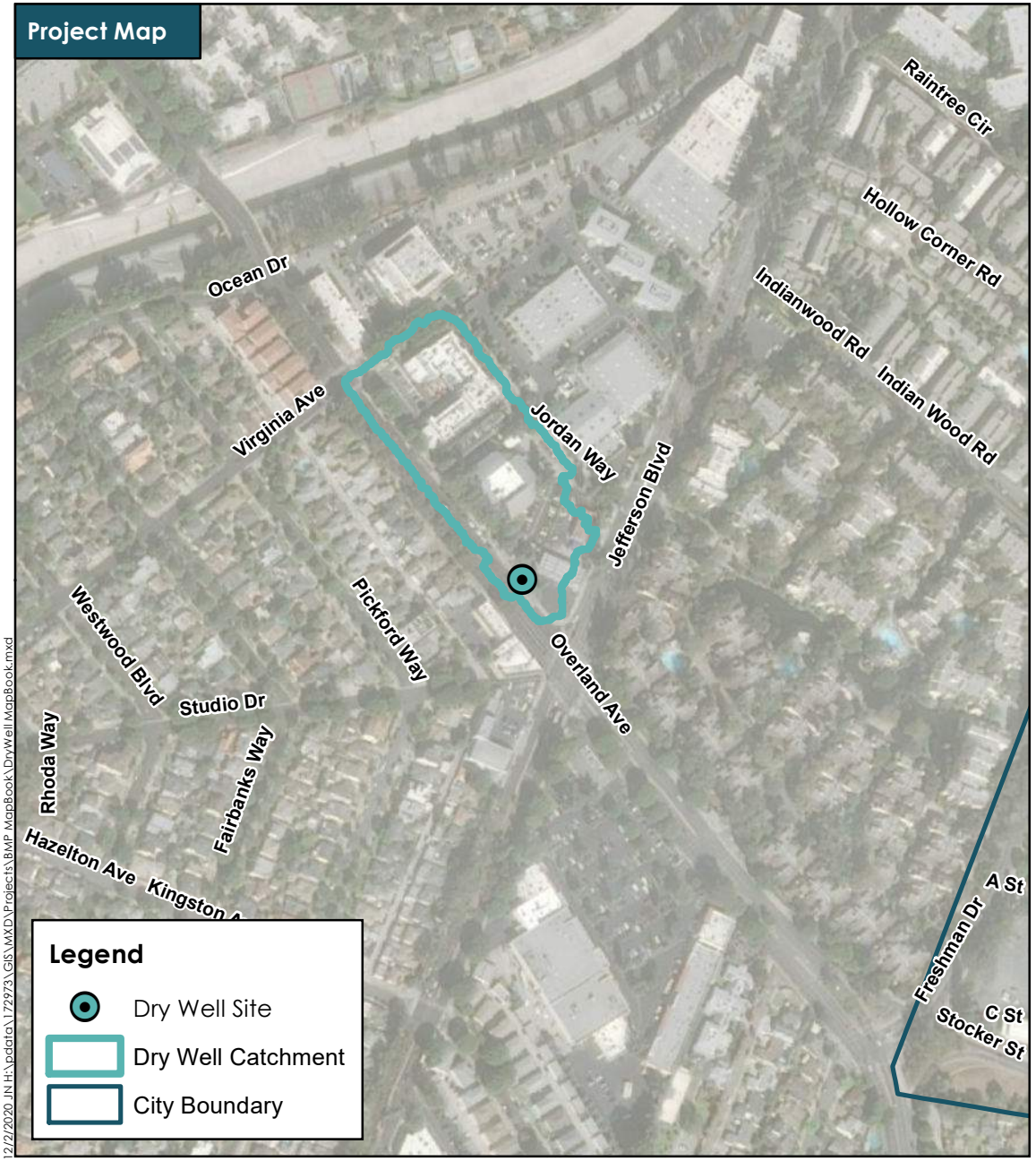
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

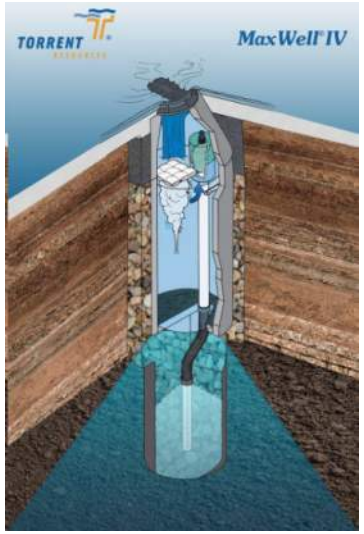
Dry Well Site: D43

Project Map



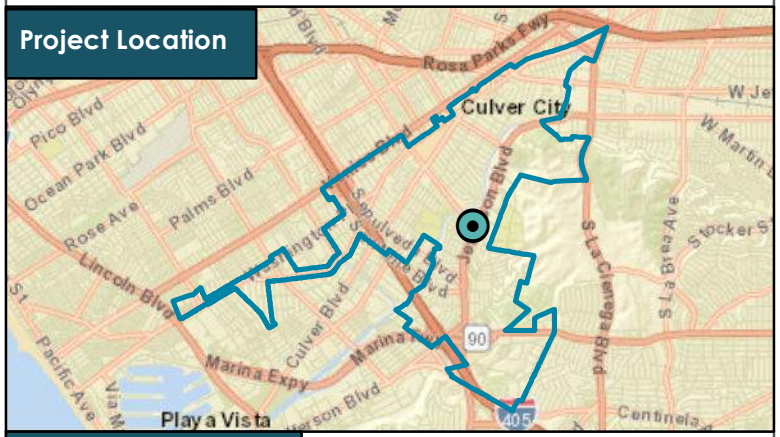
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.24
Drainage Area (ac):		4.39
Depth to Groundwater:		34
EWMP Equivalent Volume (ac-ft):		0.26
Cost Estimate:	$	200,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

0 200 400 Feet

Source: City of Culver City

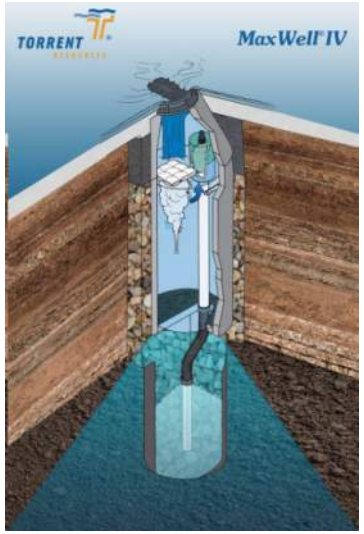
CULVER CITY STORMWATER QUALITY MASTER PLAN

Dry Well Site: D44

Project Map

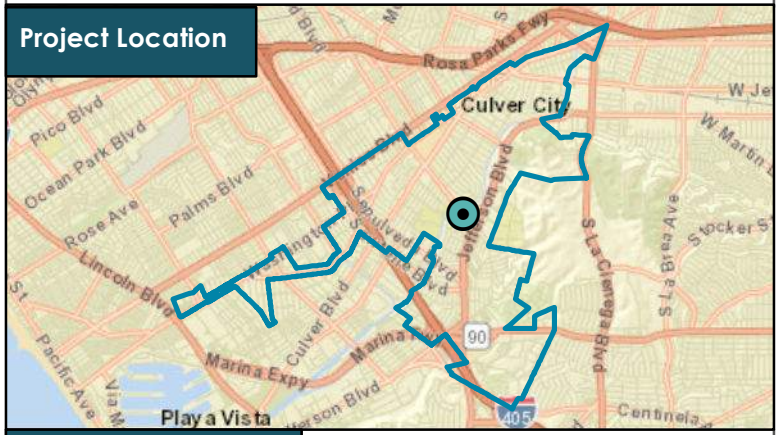
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.09
Drainage Area (ac):		1.38
Depth to Groundwater:		33
EWMP Equivalent Volume (ac-ft):		0.1
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

0 200 400 Feet

Source: City of Culver City

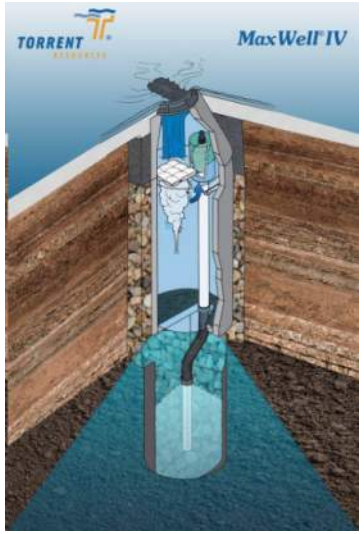
CULVER CITY STORMWATER QUALITY MASTER PLAN

Dry Well Site: D45

Project Map

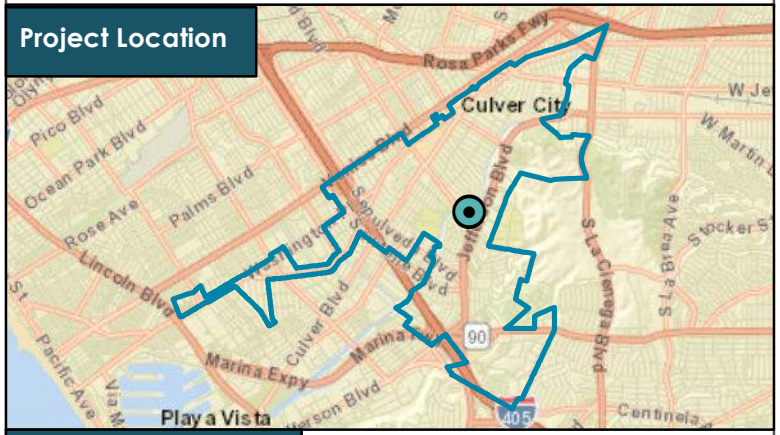
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.18
Drainage Area (ac):		2.68
Depth to Groundwater:		29
EWMP Equivalent Volume (ac-ft):		0.2
Cost Estimate:	$	100,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

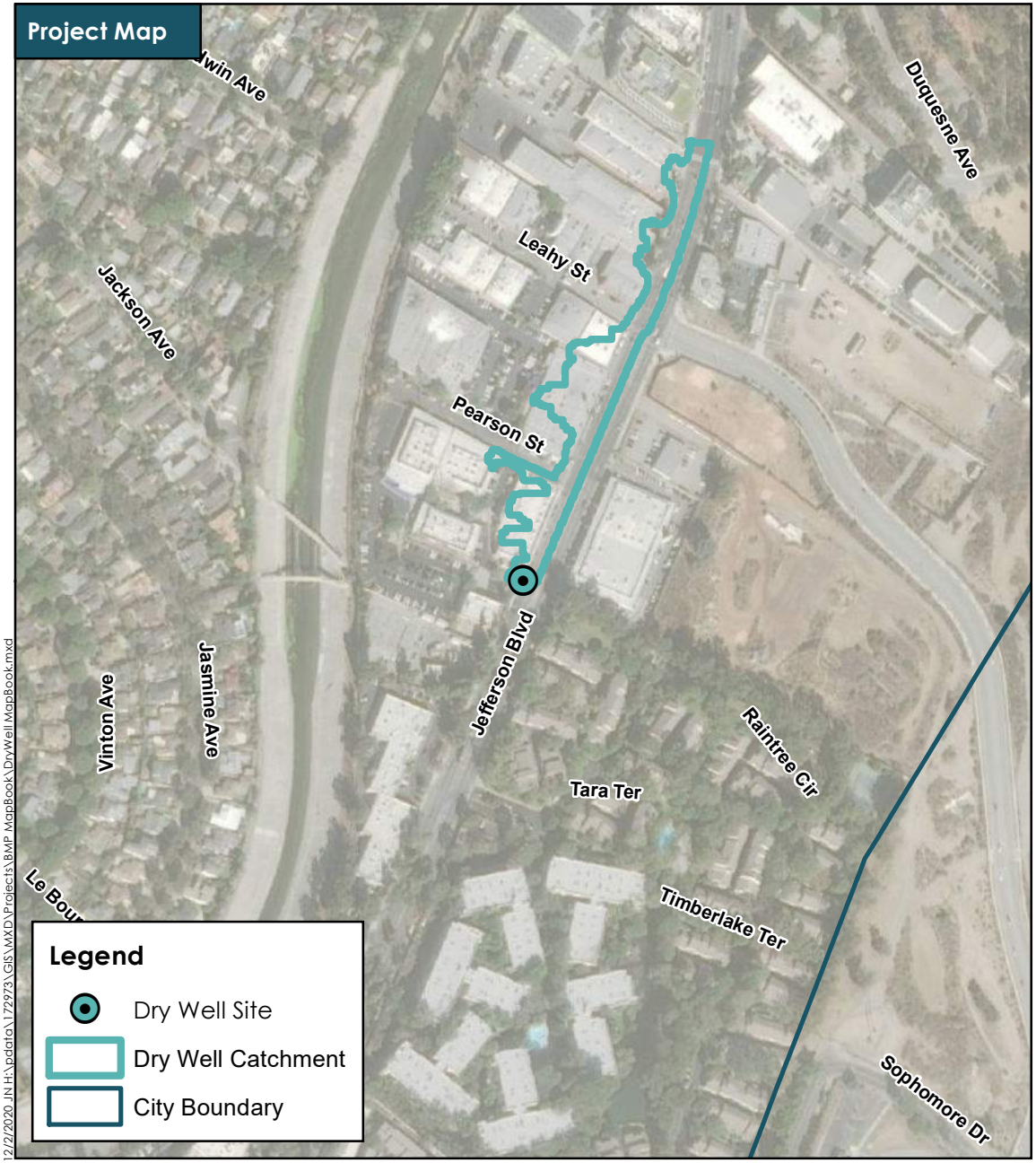
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

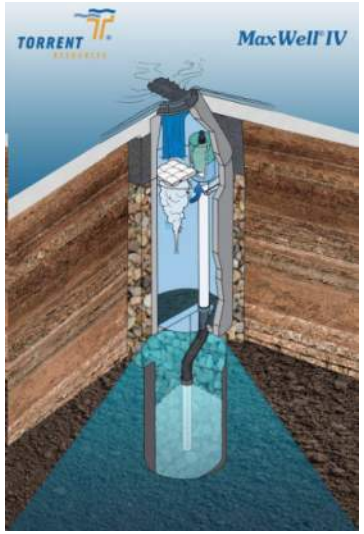
Dry Well Site: D46

Project Map



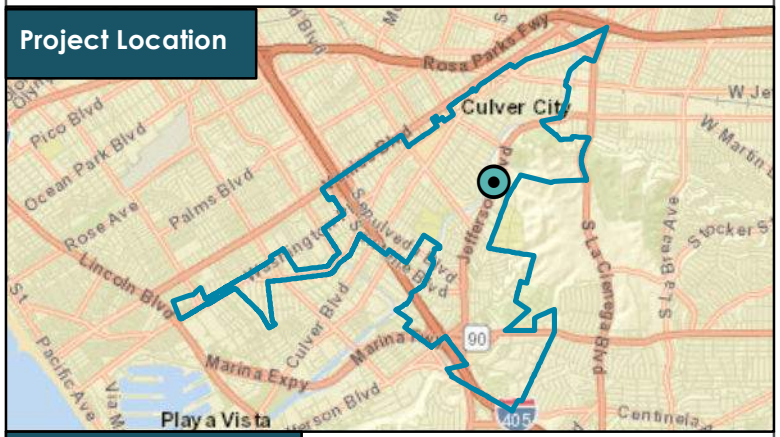
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.16
Drainage Area (ac):		2.15
Depth to Groundwater:		40
EWMP Equivalent Volume (ac-ft):		0.18
Cost Estimate:	$	100,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

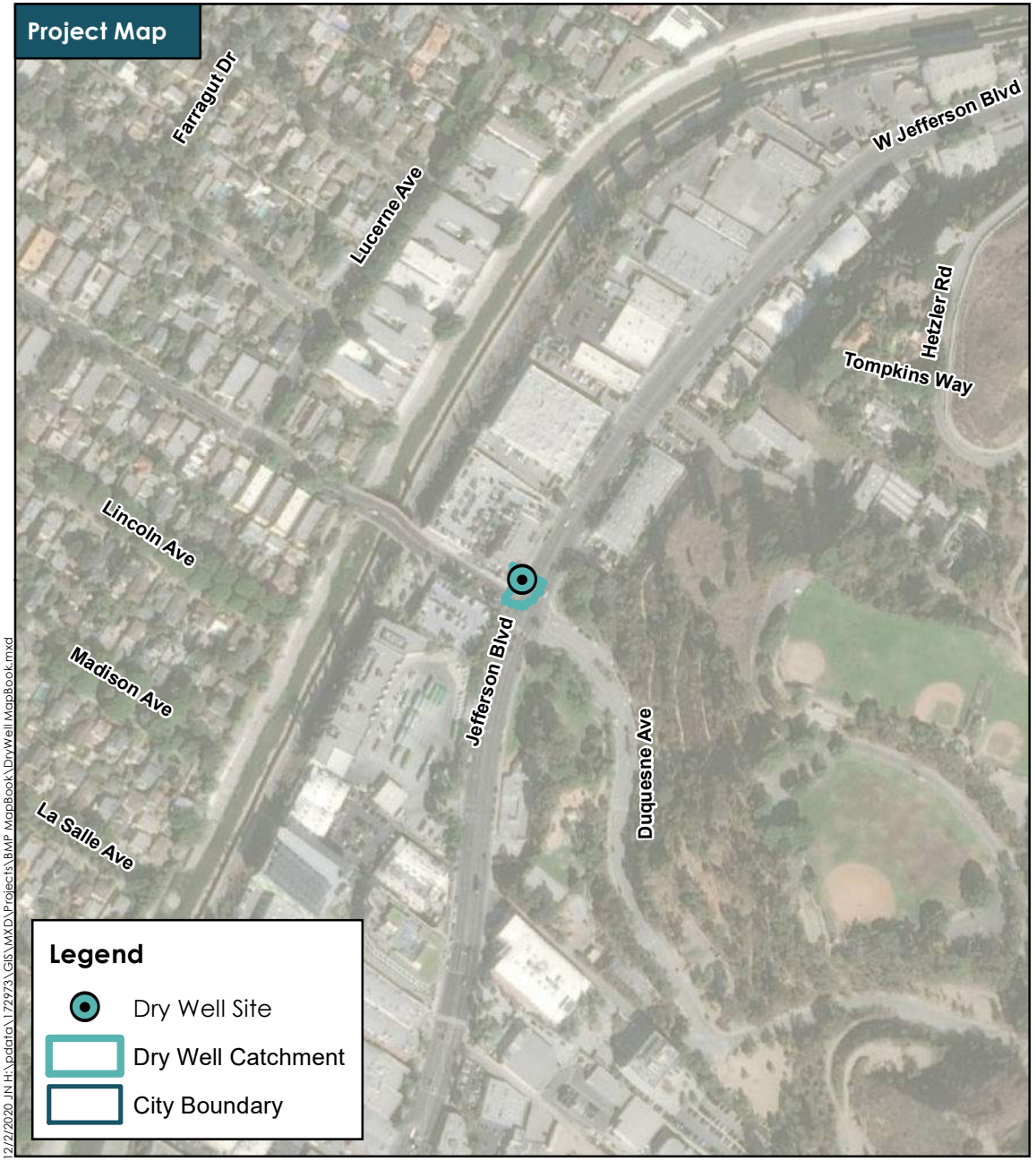
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

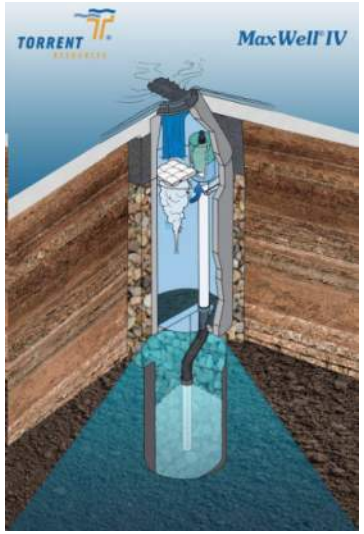
Dry Well Site: D47

Project Map



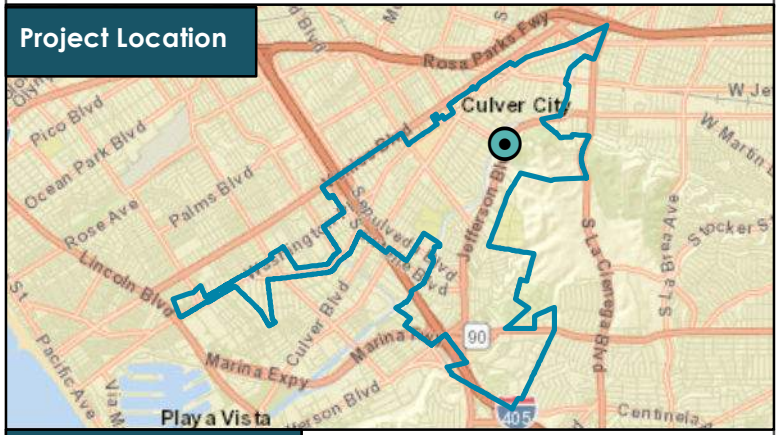
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.01
Drainage Area (ac):		0.1
Depth to Groundwater:		38
EWMP Equivalent Volume (ac-ft):		0.01
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

0 200 400 Feet

Source: City of Culver City

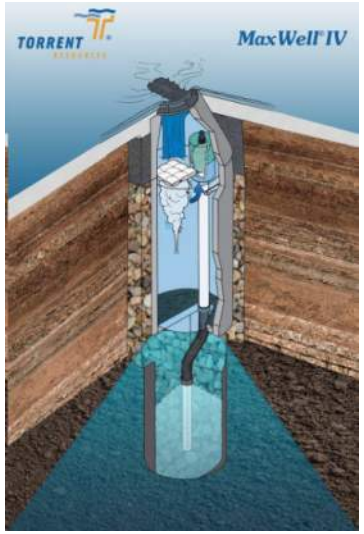
CULVER CITY STORMWATER QUALITY MASTER PLAN

Dry Well Site: D48

Project Map

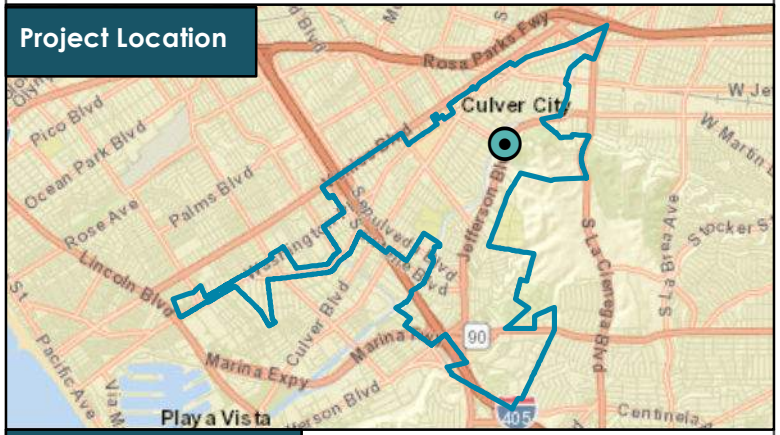
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.23
Drainage Area (ac):		2.92
Depth to Groundwater:		38
EWMP Equivalent Volume (ac-ft):		0.26
Cost Estimate:	$	100,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

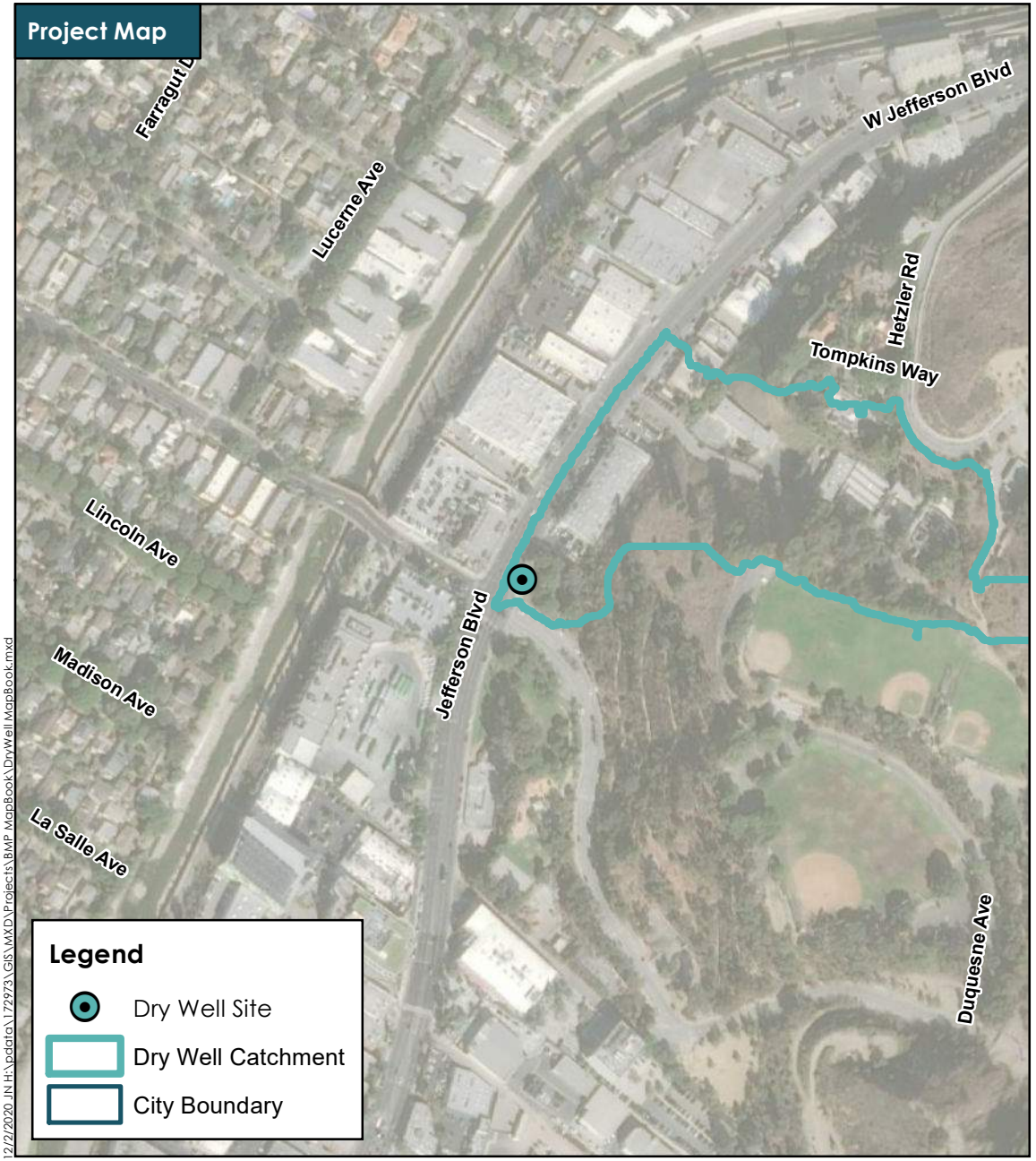
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

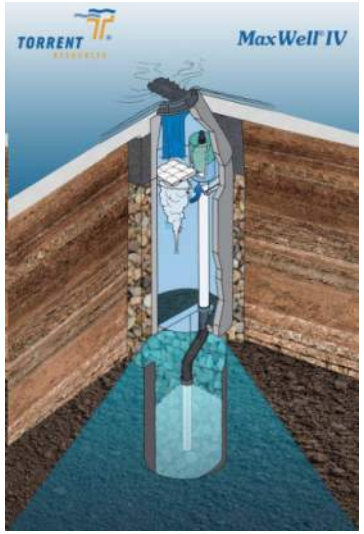
Dry Well Site: D49

Project Map



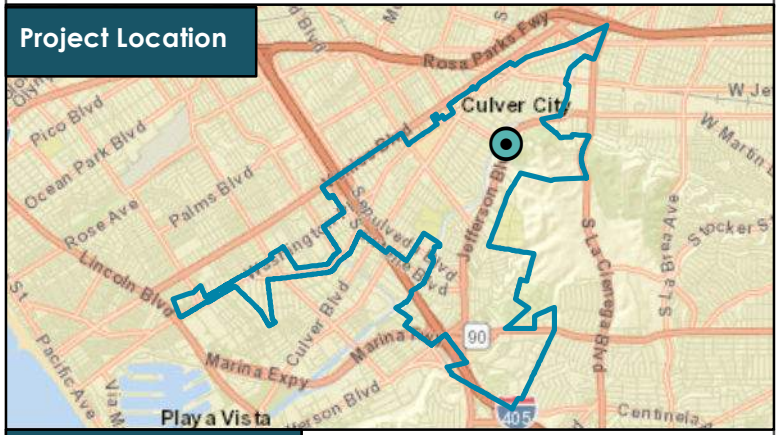
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.43
Drainage Area (ac):		11.12
Depth to Groundwater:		39
EWMP Equivalent Volume (ac-ft):		0.41
Cost Estimate:	$	550,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

0 200 400 Feet

Source: City of Culver City

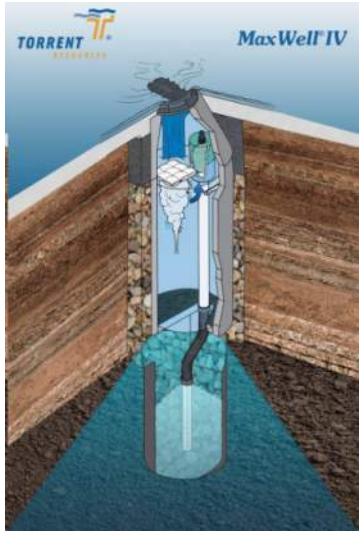
CULVER CITY STORMWATER QUALITY MASTER PLAN

Dry Well Site: D50

Project Map

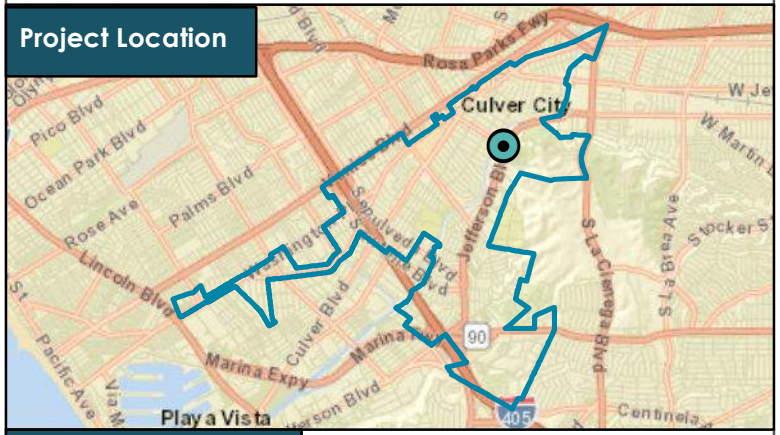
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.07
Drainage Area (ac):		1.13
Depth to Groundwater:		37
EWMP Equivalent Volume (ac-ft):		0.08
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

0 200 400 Feet

Source: City of Culver City

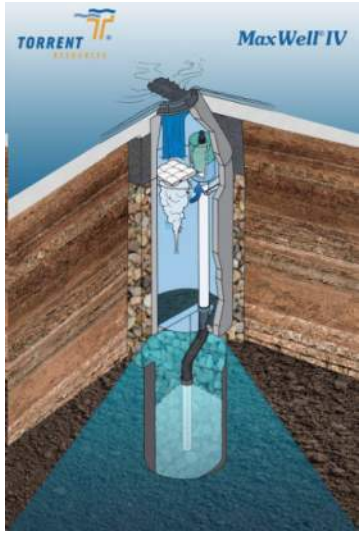
CULVER CITY STORMWATER QUALITY MASTER PLAN

Dry Well Site: D51

Project Map

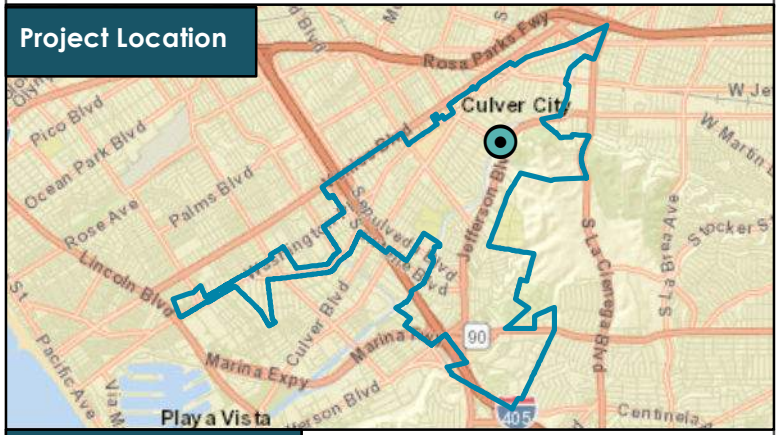
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.02
Drainage Area (ac):		0.28
Depth to Groundwater:		29
EWMP Equivalent Volume (ac-ft):		0.03
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

0 200 400 Feet

Source: City of Culver City

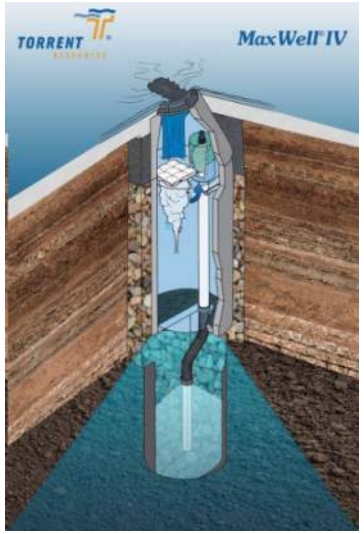
CULVER CITY STORMWATER QUALITY MASTER PLAN

Dry Well Site: D52

Project Map

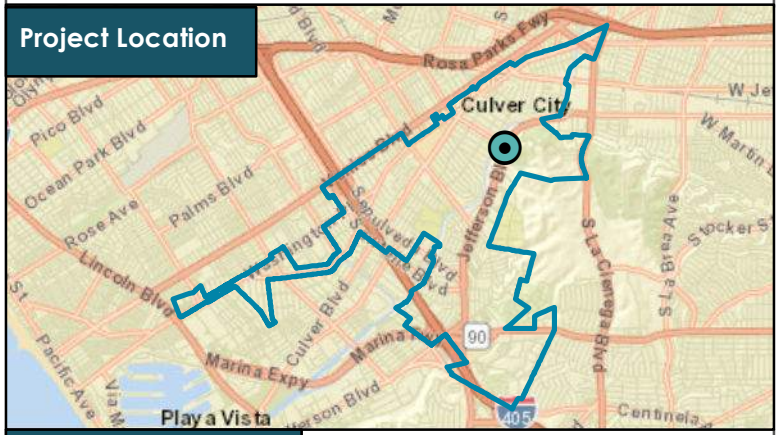
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.1
Drainage Area (ac):		3.13
Depth to Groundwater:		39
EWMP Equivalent Volume (ac-ft):		0.09
Cost Estimate:	$	150,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

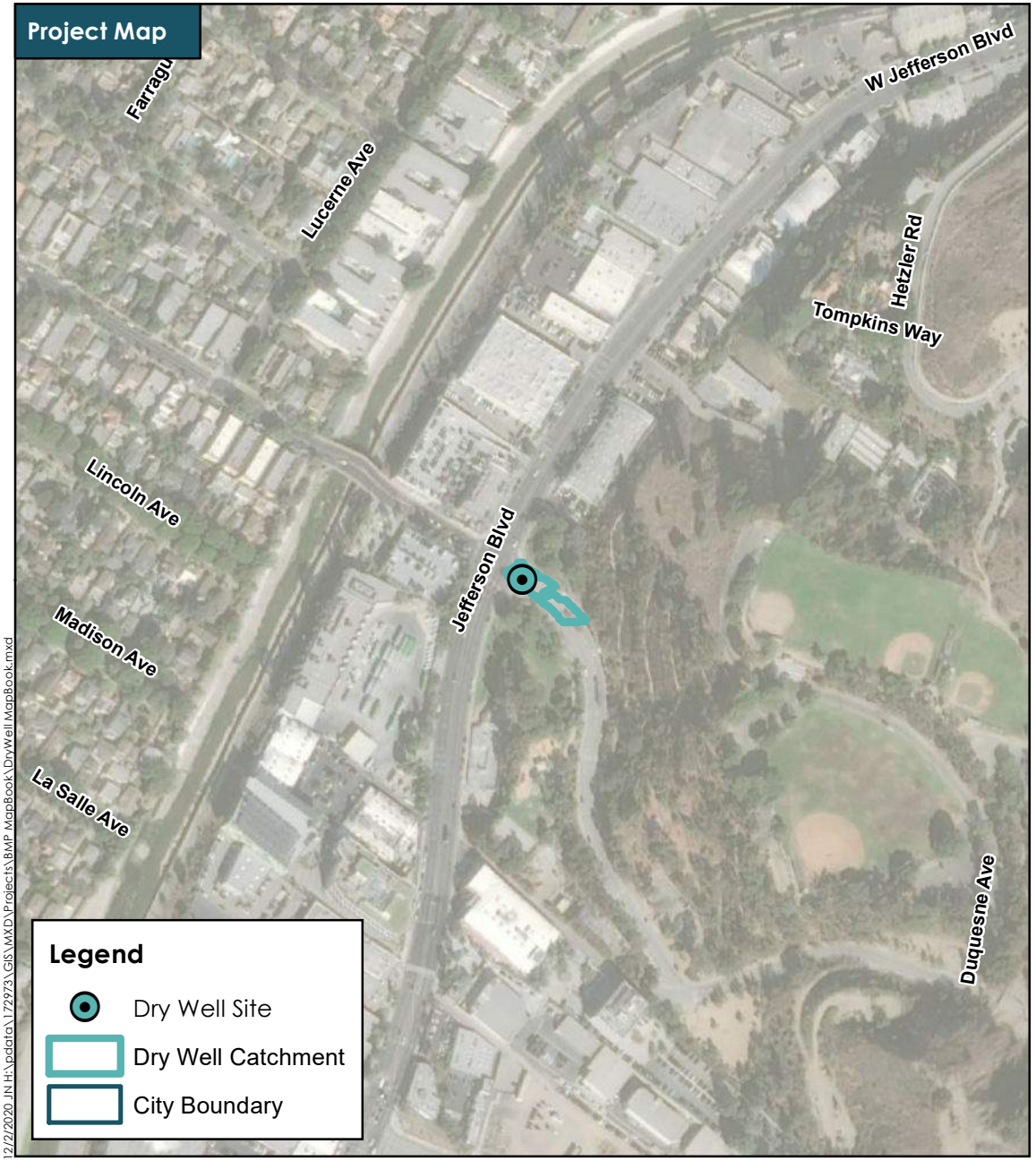
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

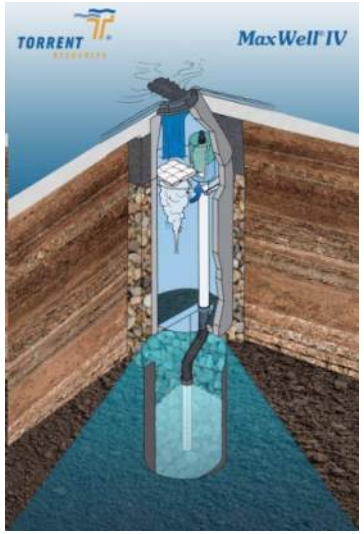
Dry Well Site: D53

Project Map



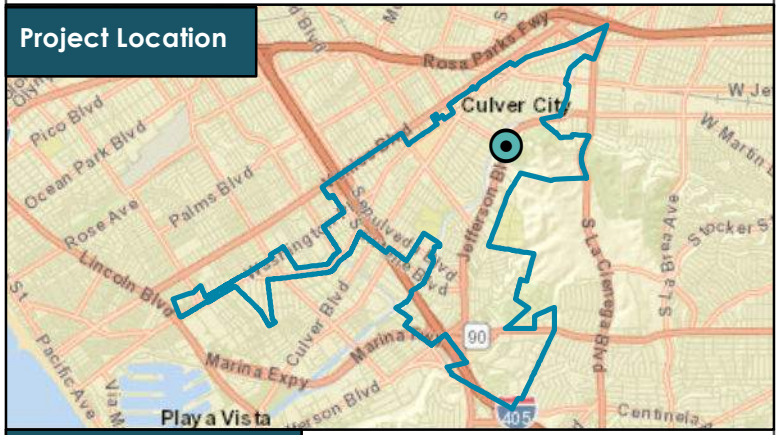
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.01
Drainage Area (ac):		0.17
Depth to Groundwater:		39
EWMP Equivalent Volume (ac-ft):		0.02
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

0 200 400 Feet

Source: City of Culver City

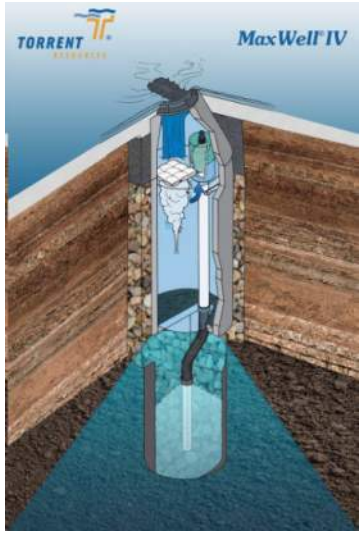
CULVER CITY STORMWATER QUALITY MASTER PLAN

Dry Well Site: D56

Project Map

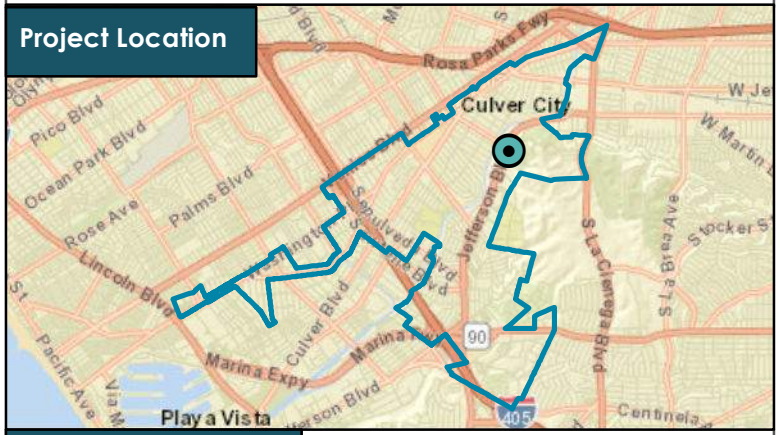
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.03
Drainage Area (ac):		0.37
Depth to Groundwater:		62
EWMP Equivalent Volume (ac-ft):		0.03
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

0 200 400 Feet

Source: City of Culver City

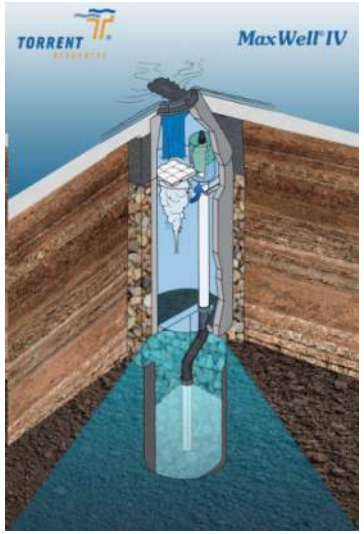
CULVER CITY STORMWATER QUALITY MASTER PLAN

Dry Well Site: D57

Project Map

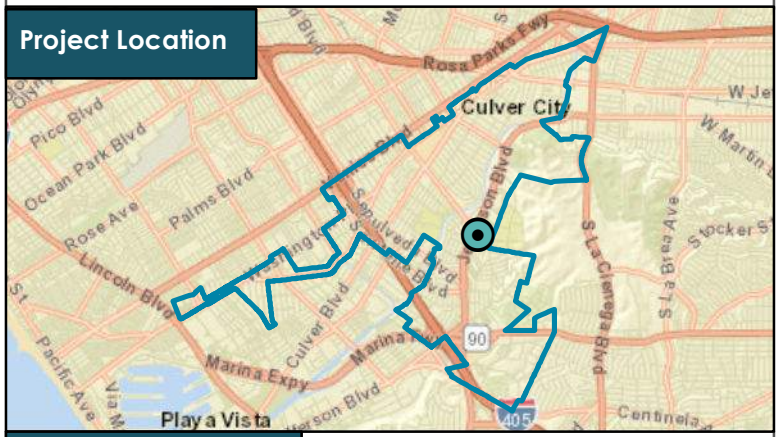
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.02
Drainage Area (ac):		0.47
Depth to Groundwater:		33
EWMP Equivalent Volume (ac-ft):		0.02
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

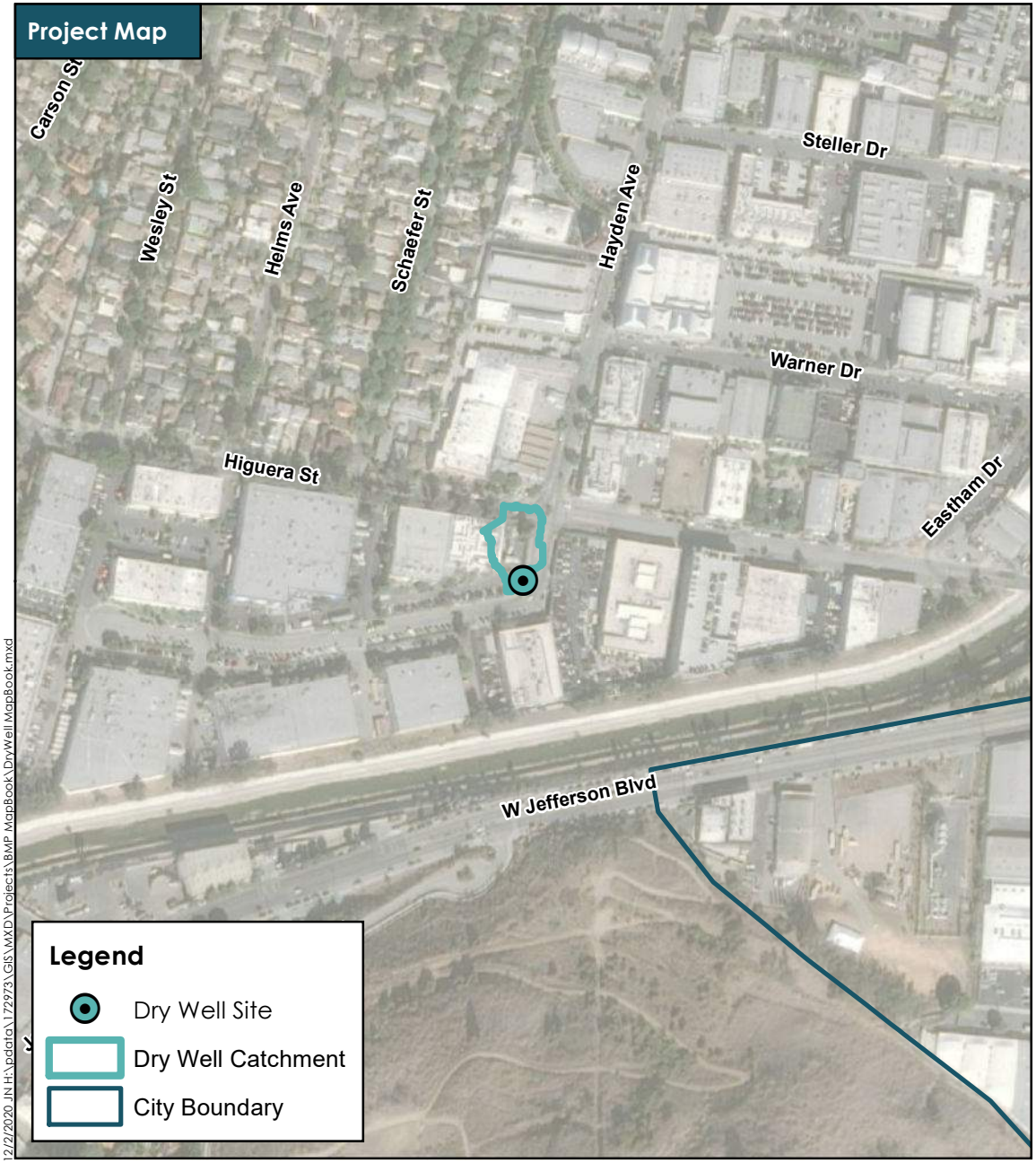
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

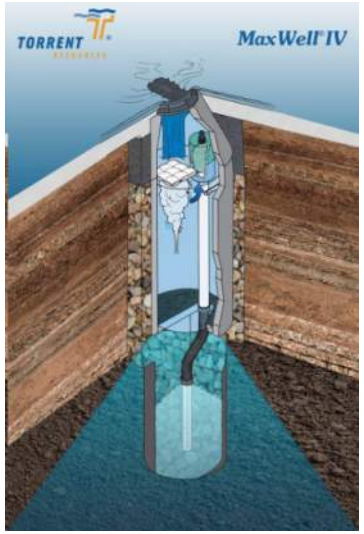
Dry Well Site: D58

Project Map



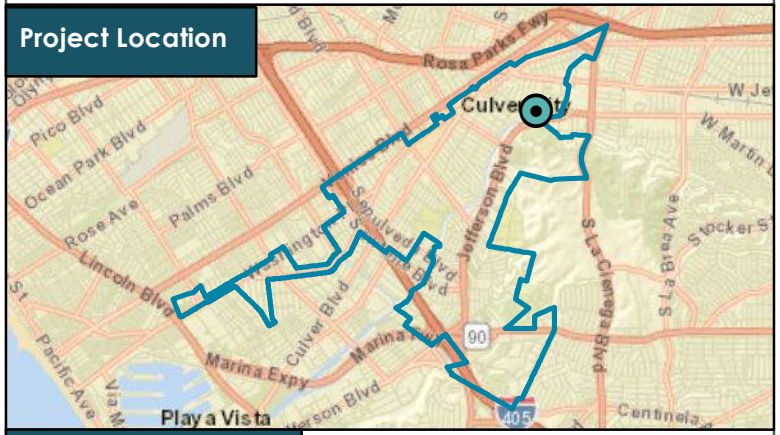
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.03
Drainage Area (ac):		0.41
Depth to Groundwater:		30
EWMP Equivalent Volume (ac-ft):		0.03
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

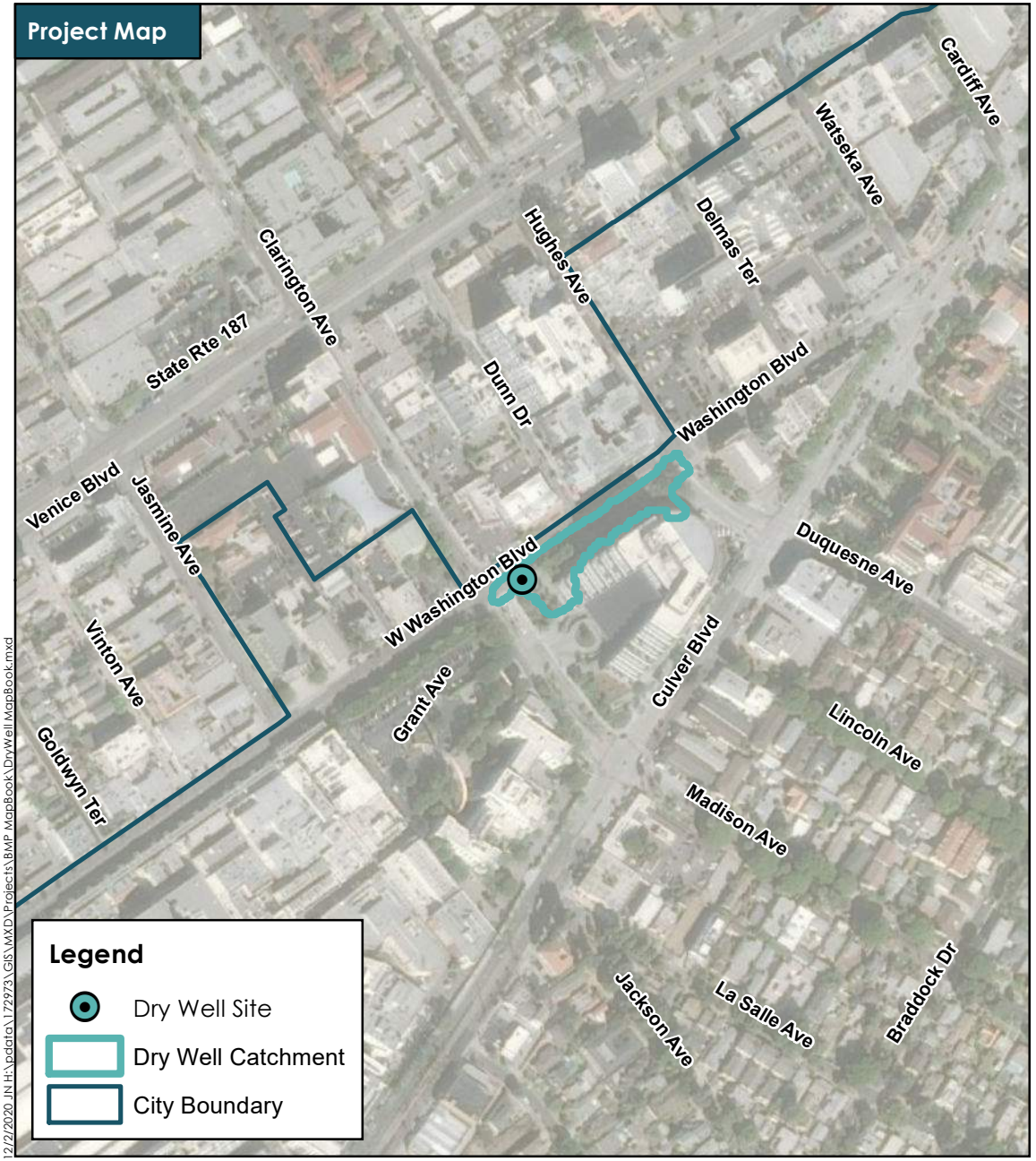
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

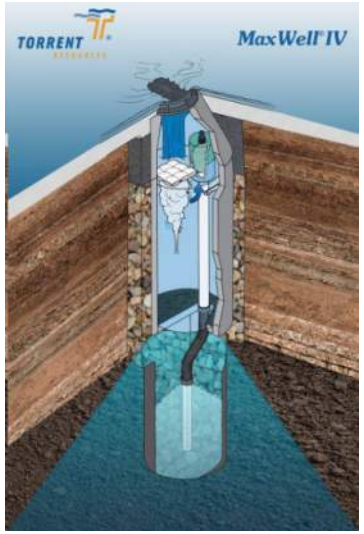
Dry Well Site: D59

Project Map



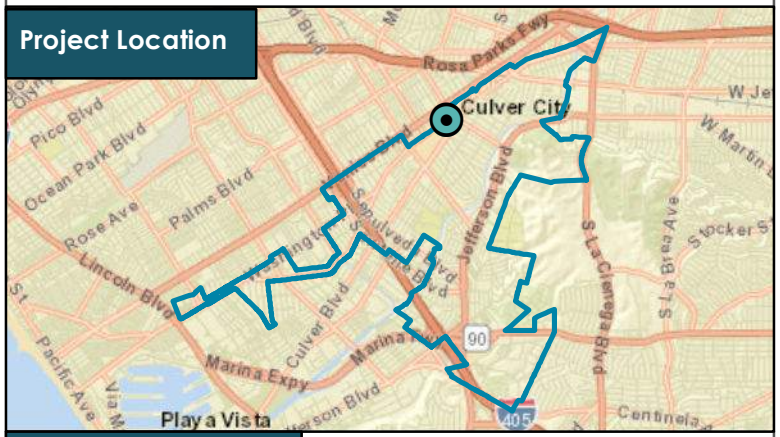
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.05
Drainage Area (ac):		0.99
Depth to Groundwater:		55
EWMP Equivalent Volume (ac-ft):		0.06
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

0 200 400 Feet

Source: City of Culver City

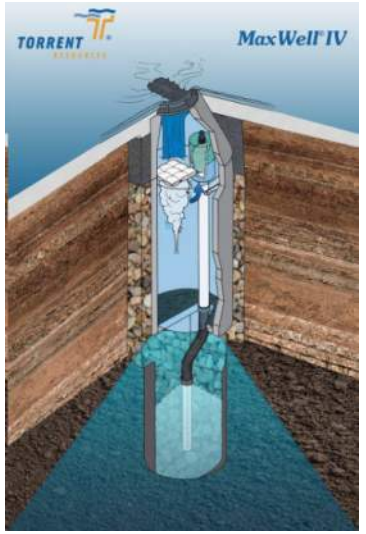
CULVER CITY STORMWATER QUALITY MASTER PLAN

Dry Well Site: D60

Project Map

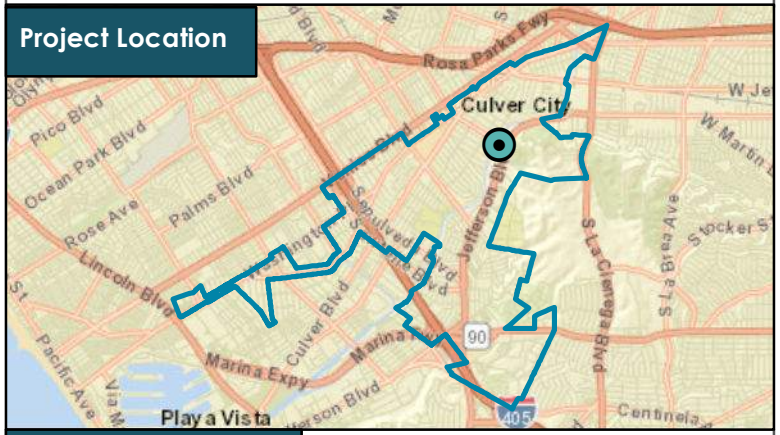
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.03
Drainage Area (ac):		0.51
Depth to Groundwater:		29
EWMP Equivalent Volume (ac-ft):		0.04
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

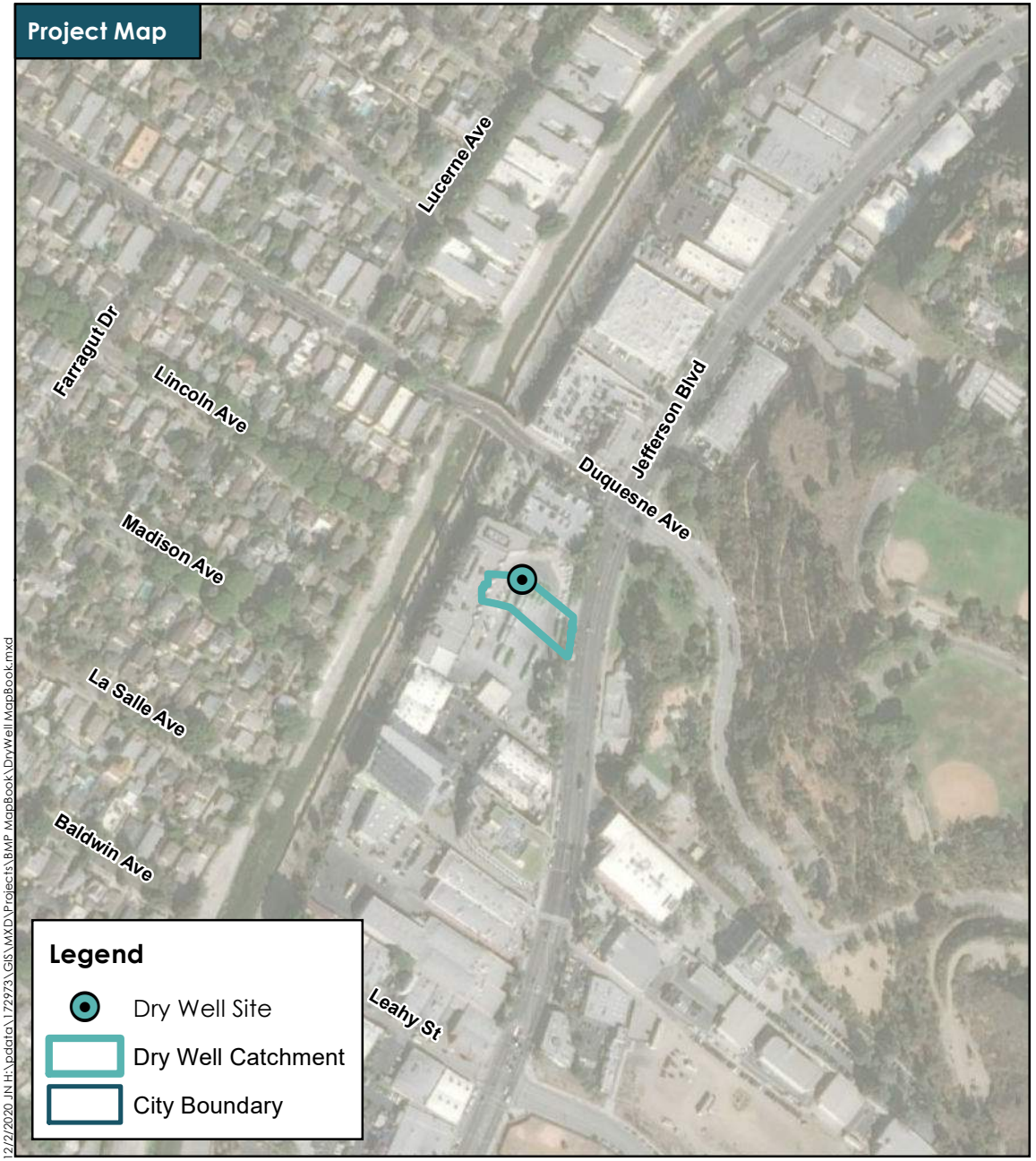
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

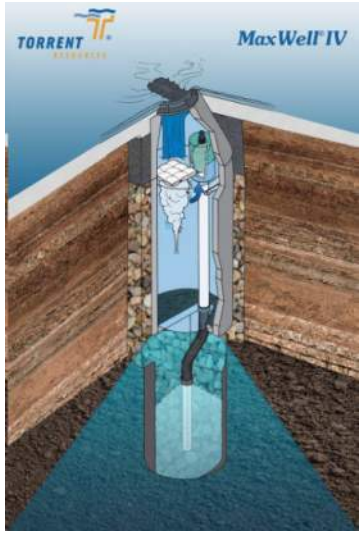
Dry Well Site: D61

Project Map



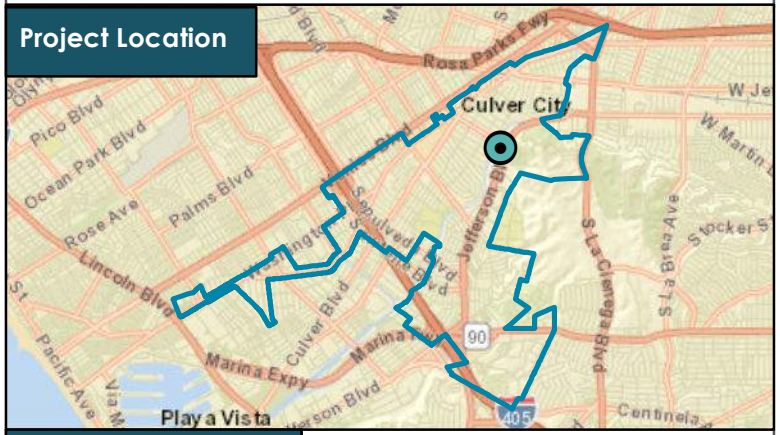
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.03
Drainage Area (ac):		0.42
Depth to Groundwater:		35
EWMP Equivalent Volume (ac-ft):		0.03
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

0 200 400 Feet

Source: City of Culver City

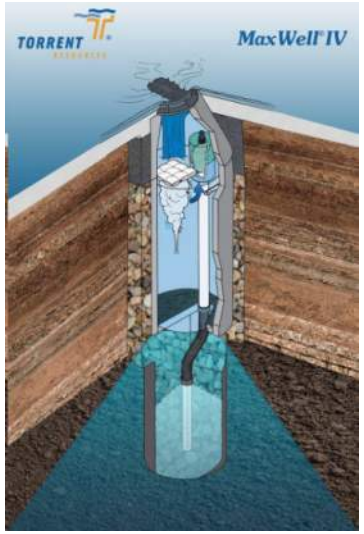
CULVER CITY STORMWATER QUALITY MASTER PLAN

Dry Well Site: D62

Project Map

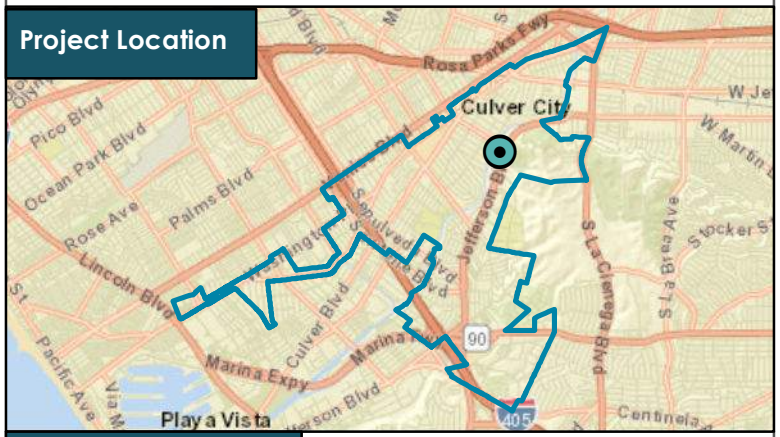
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.03
Drainage Area (ac):		0.46
Depth to Groundwater:		36
EWMP Equivalent Volume (ac-ft):		0.04
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

0 200 400 Feet

Source: City of Culver City

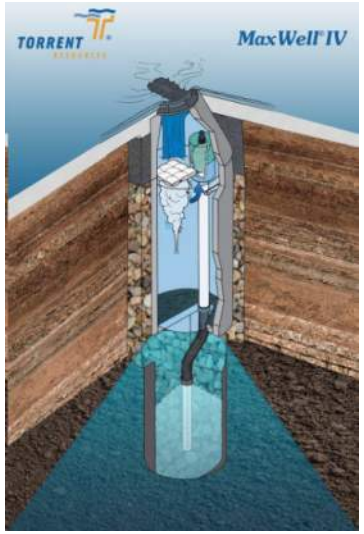
CULVER CITY STORMWATER QUALITY MASTER PLAN

Dry Well Site: D63

Project Map

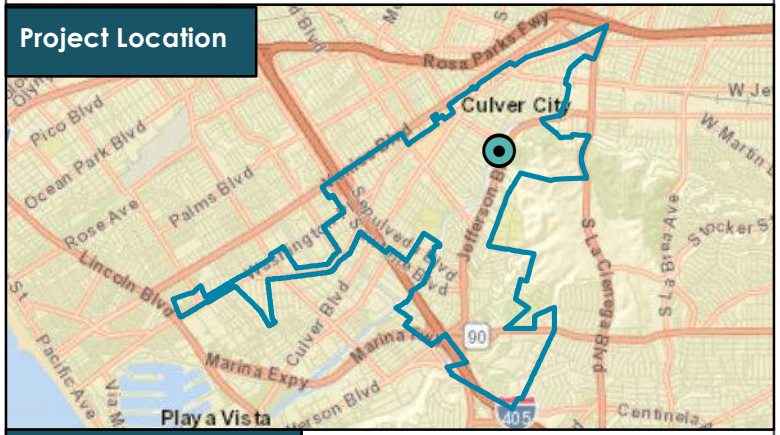
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.07
Drainage Area (ac):		1.02
Depth to Groundwater:		37
EWMP Equivalent Volume (ac-ft):		0.08
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

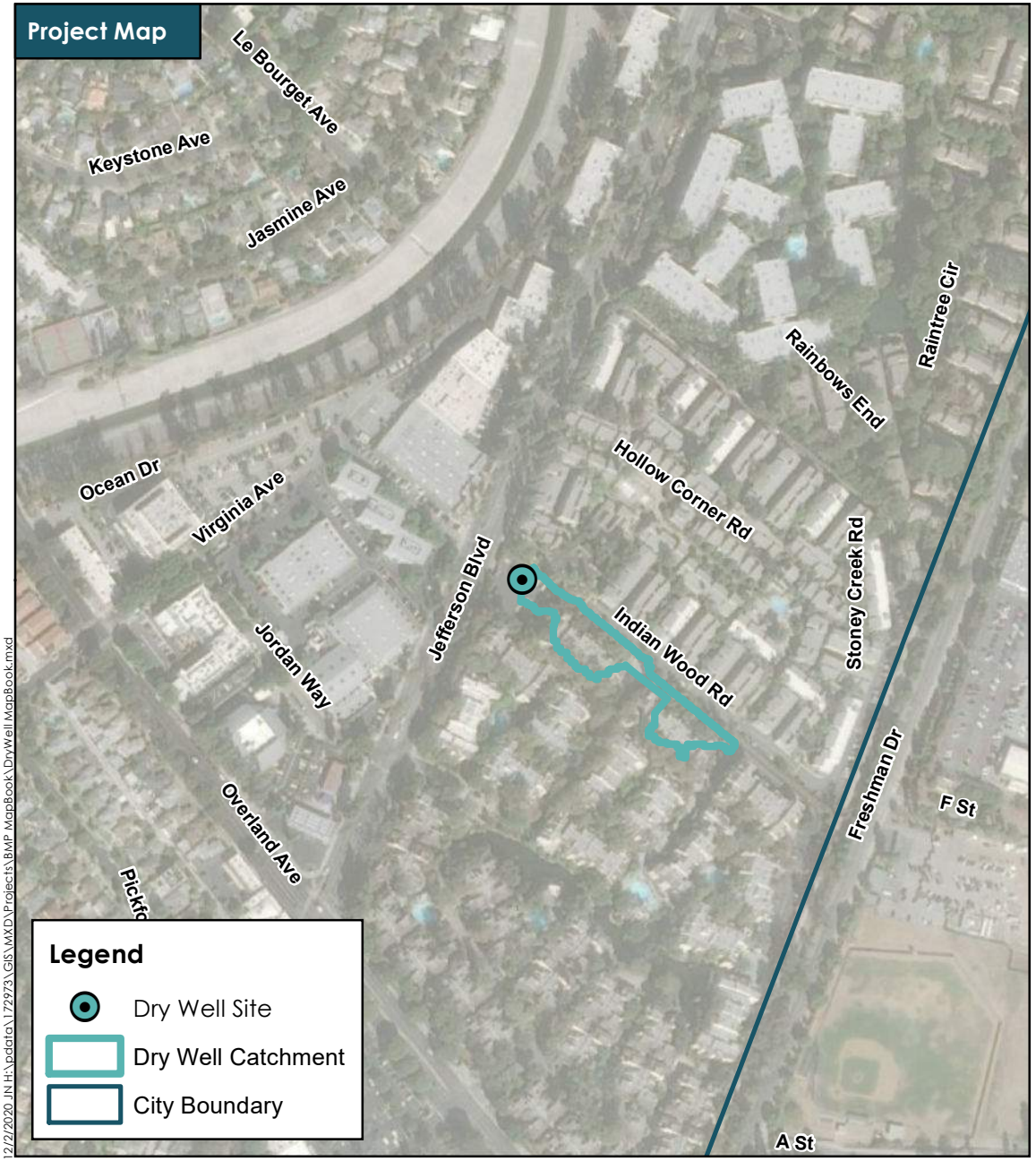
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

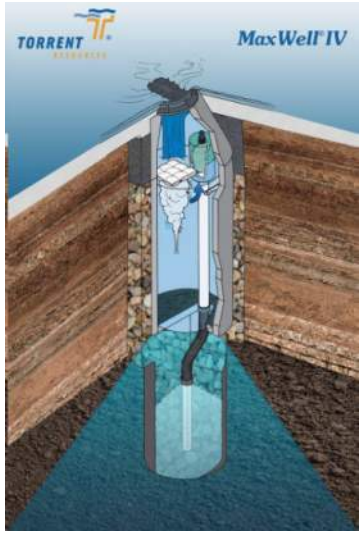
Dry Well Site: D64

Project Map



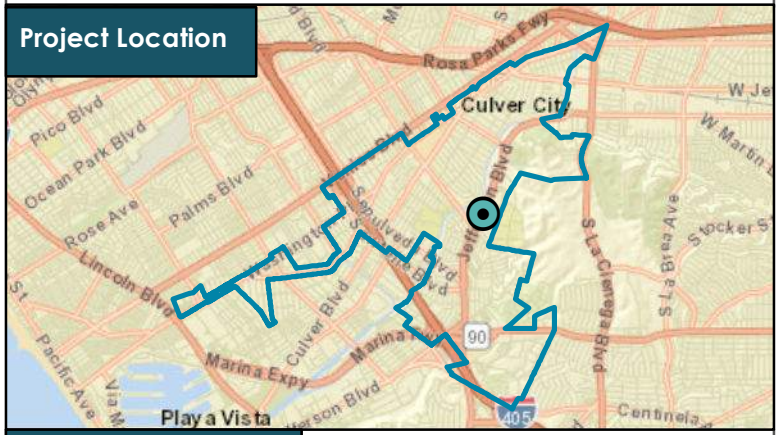
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.05
Drainage Area (ac):		1.01
Depth to Groundwater:		35
EWMP Equivalent Volume (ac-ft):		0.06
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

0 200 400 Feet

Source: City of Culver City

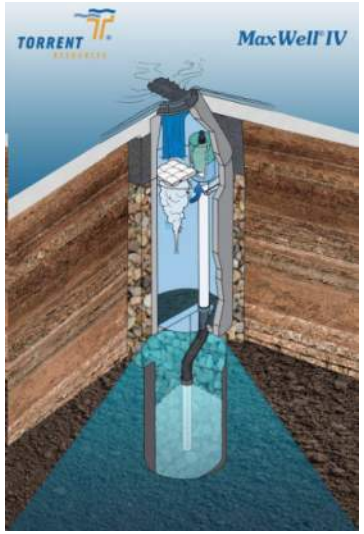
CULVER CITY STORMWATER QUALITY MASTER PLAN

Dry Well Site: D65

Project Map

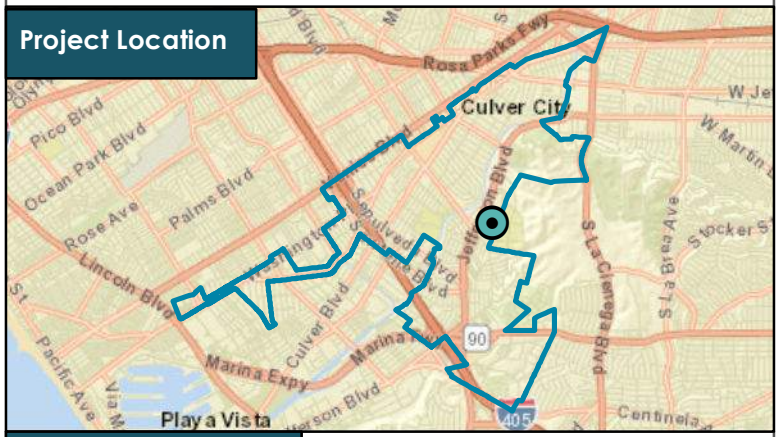
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.03
Drainage Area (ac):		0.63
Depth to Groundwater:		34
EWMP Equivalent Volume (ac-ft):		0.04
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

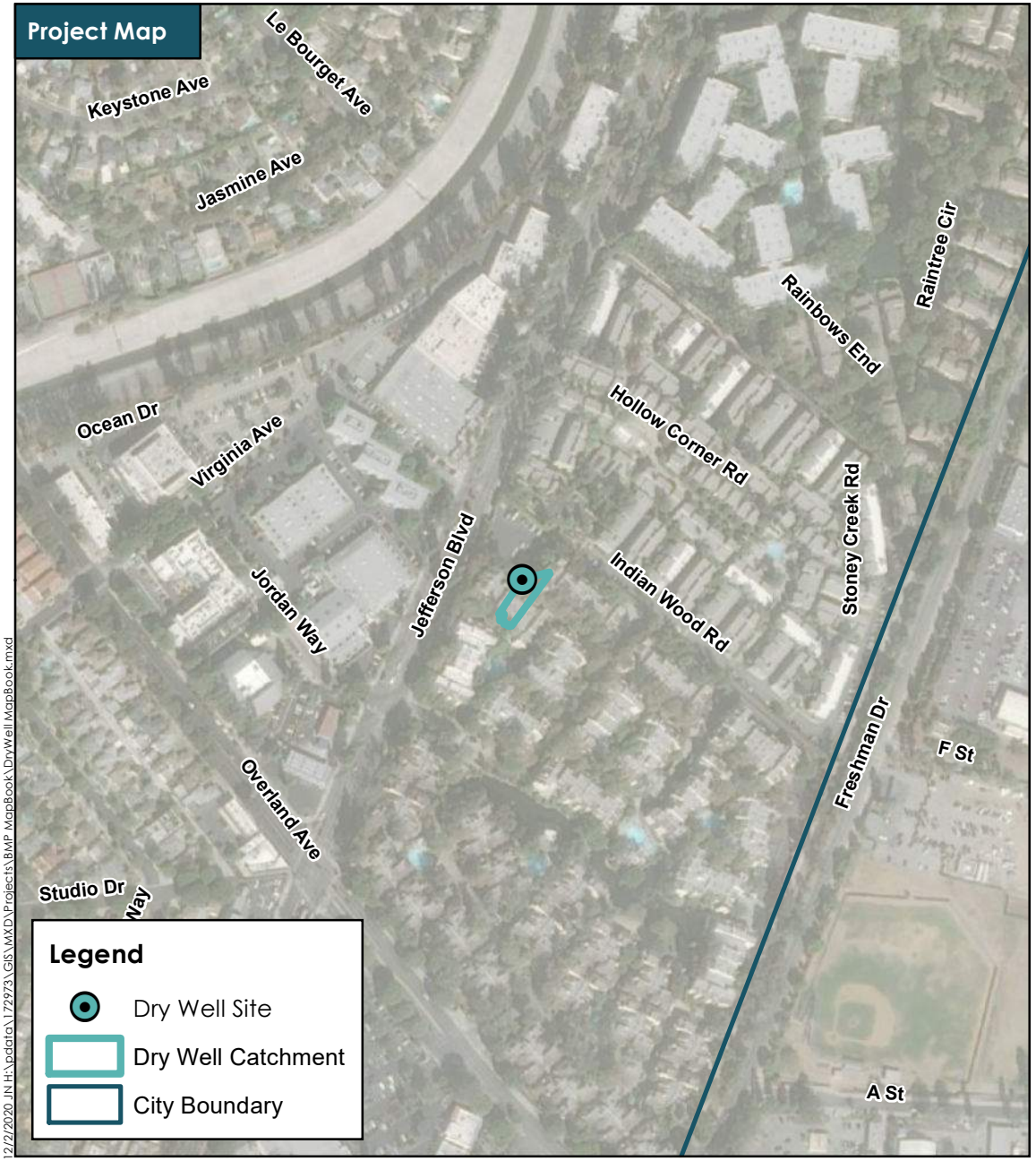
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

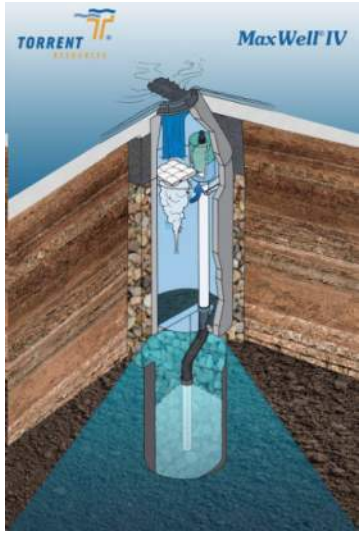
Dry Well Site: D66

Project Map



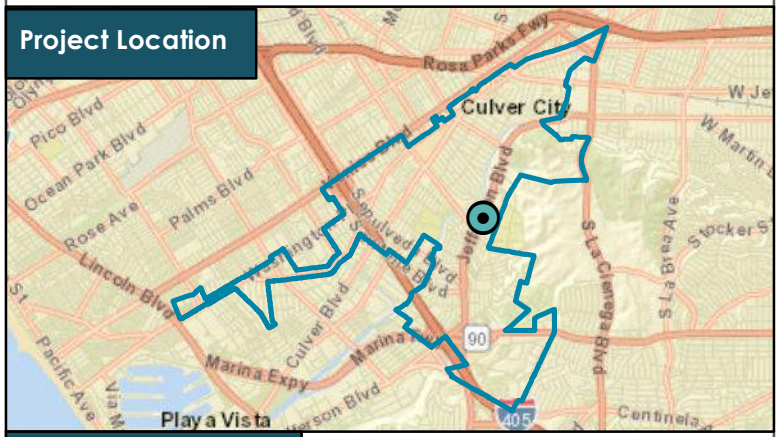
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.01
Drainage Area (ac):		0.13
Depth to Groundwater:		38
EWMP Equivalent Volume (ac-ft):		0.01
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

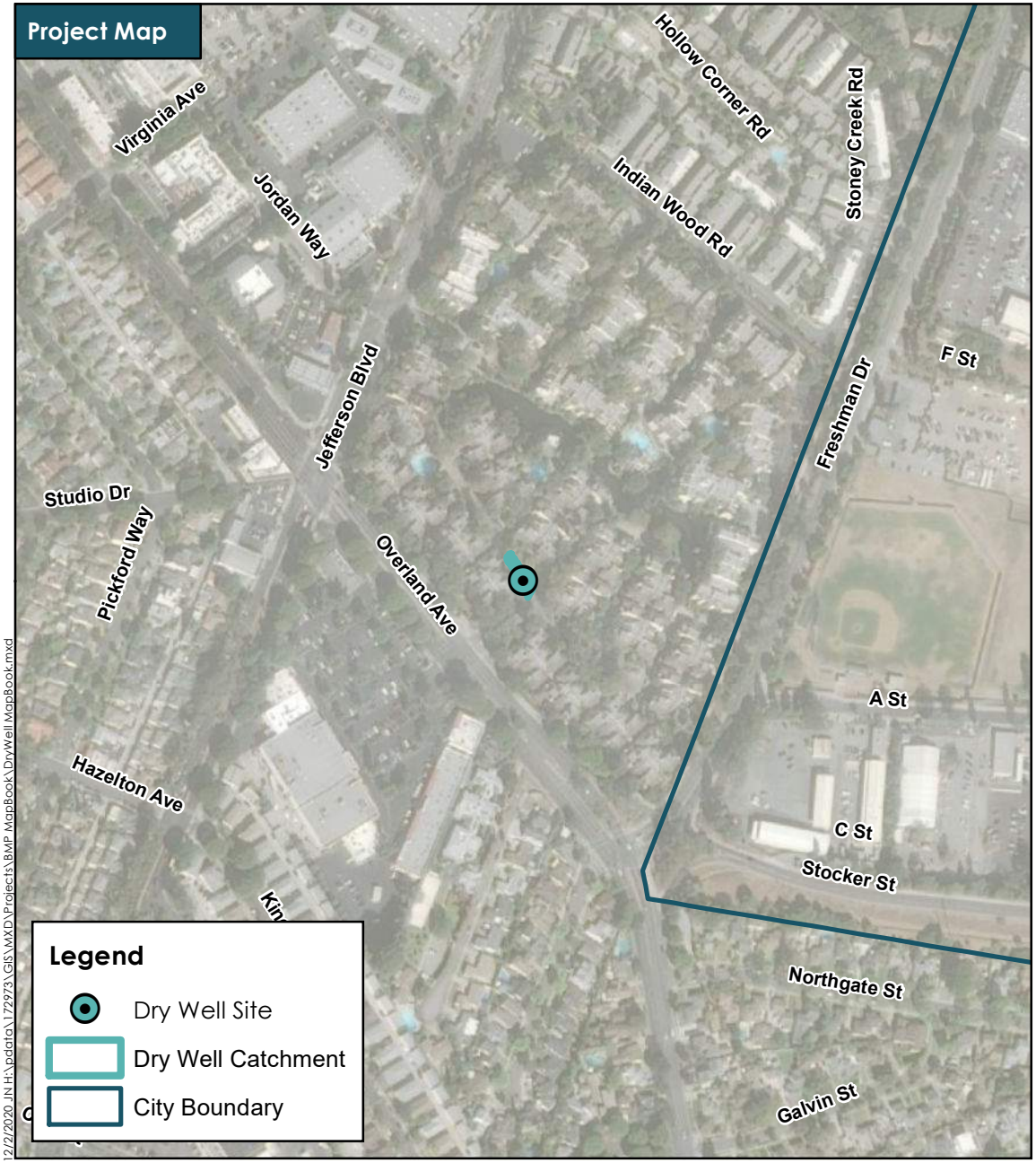
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

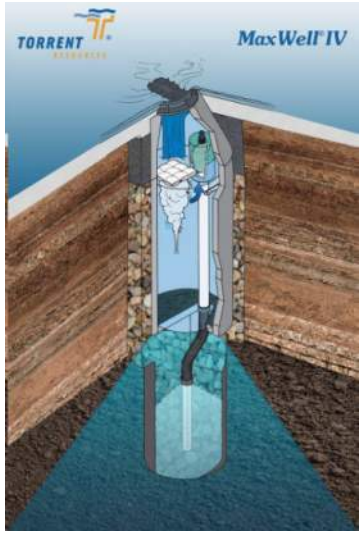
Dry Well Site: D67

Project Map



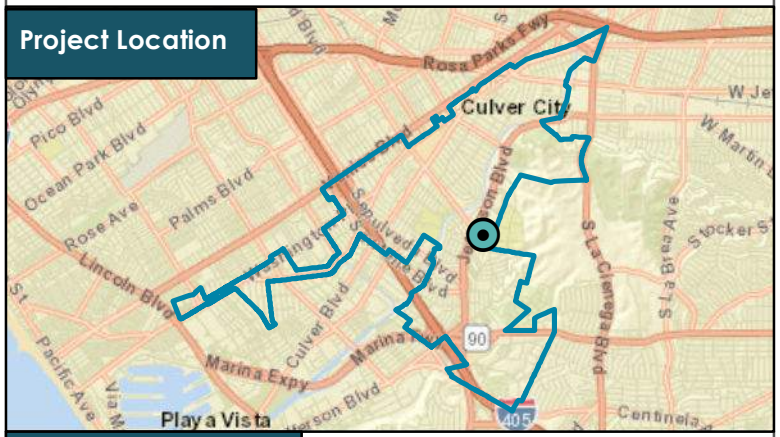
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0
Drainage Area (ac):		0.04
Depth to Groundwater:		35
EWMP Equivalent Volume (ac-ft):		0
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

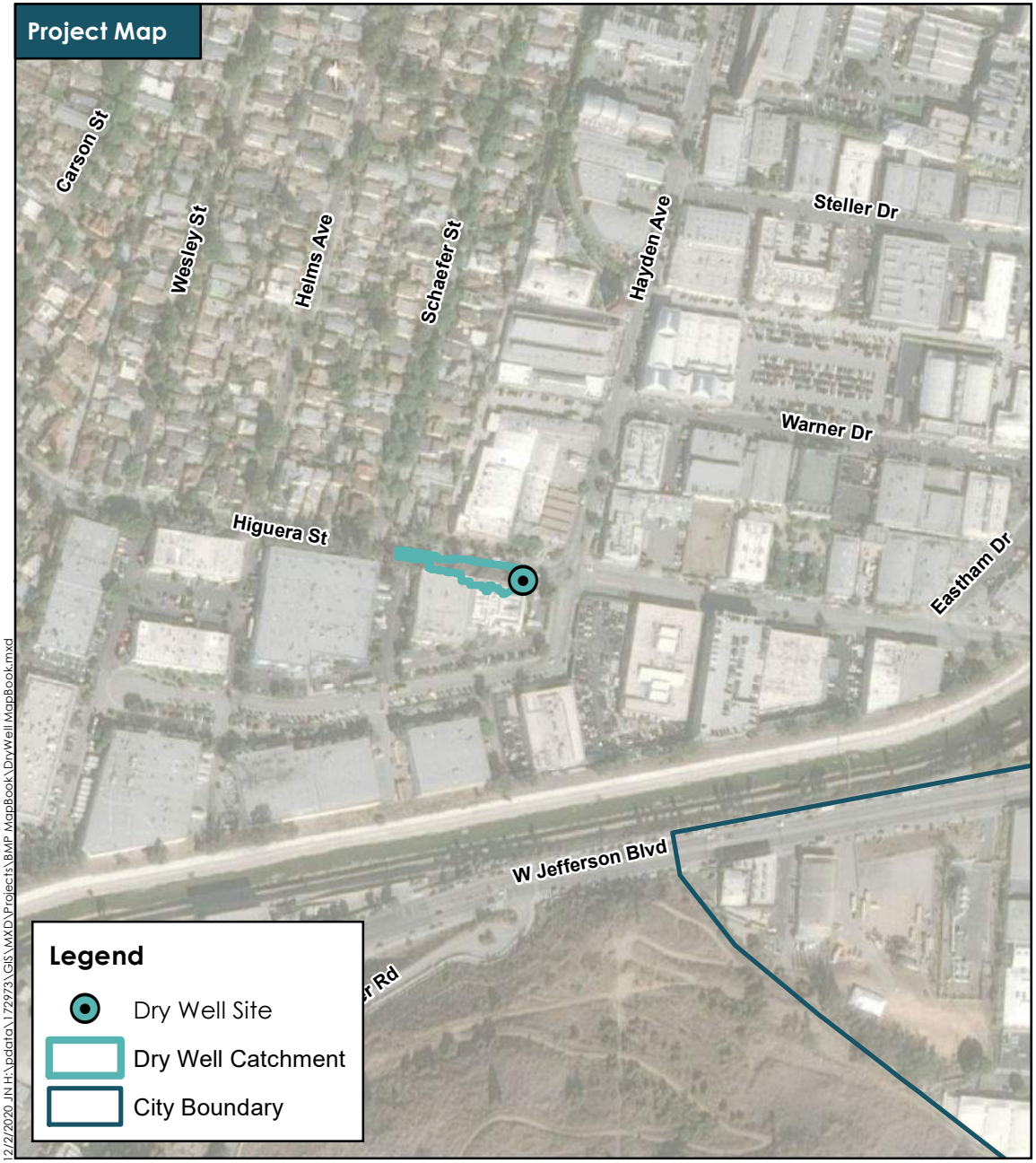
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

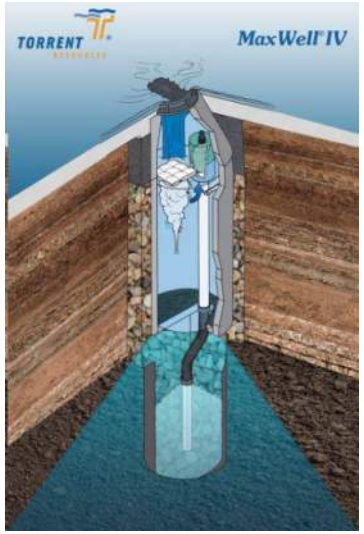
Dry Well Site: D68

Project Map



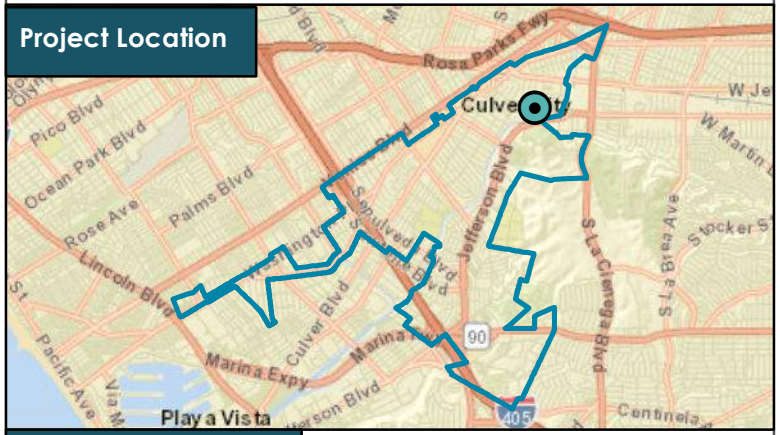
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.01
Drainage Area (ac):		0.26
Depth to Groundwater:		33
EWMP Equivalent Volume (ac-ft):		0.01
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

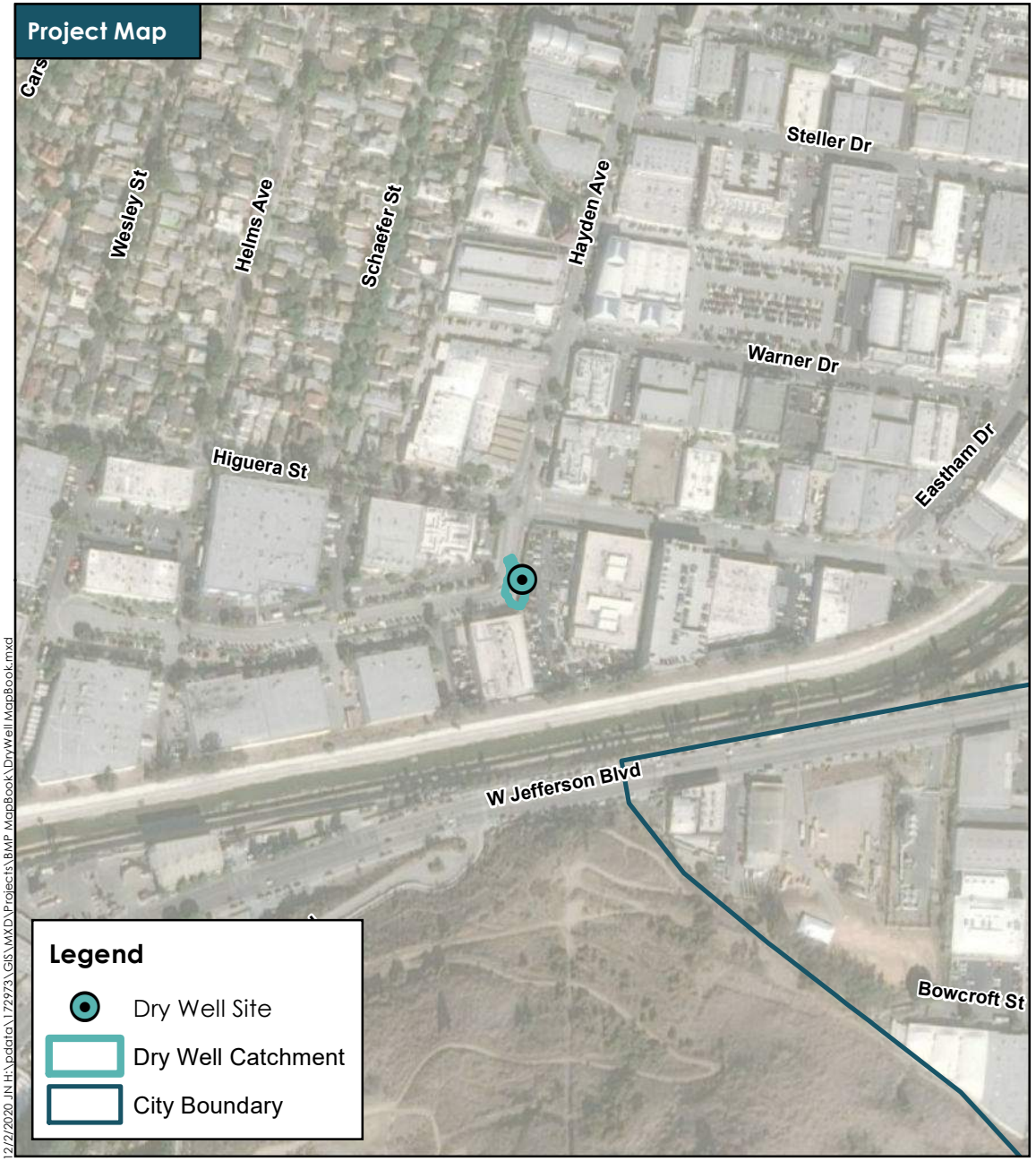
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

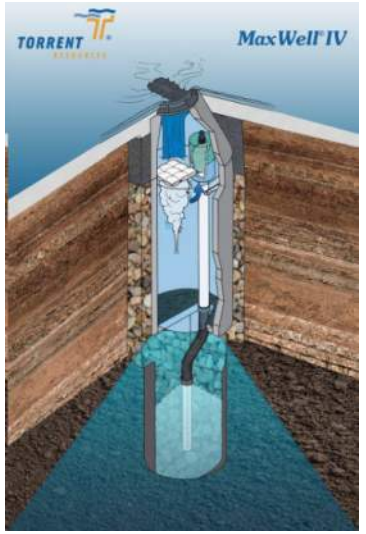
Dry Well Site: D69

Project Map



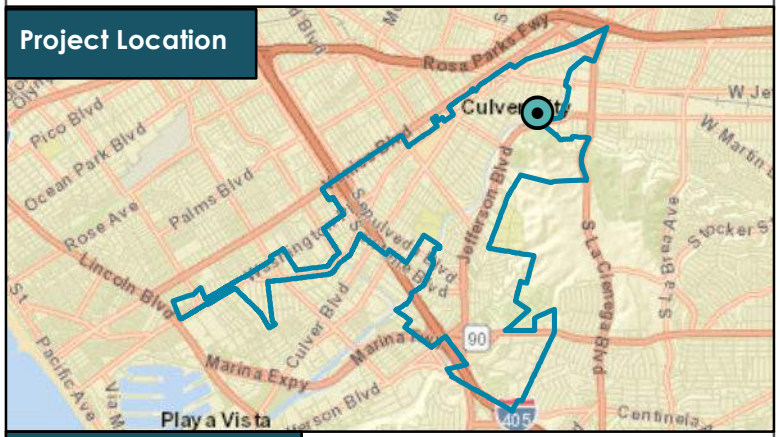
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.01
Drainage Area (ac):		0.08
Depth to Groundwater:		30
EWMP Equivalent Volume (ac-ft):		0.01
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

0 200 400 Feet

Source: City of Culver City

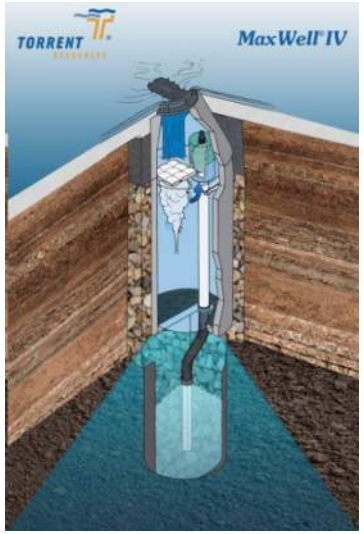
CULVER CITY STORMWATER QUALITY MASTER PLAN

Dry Well Site: D70

Project Map

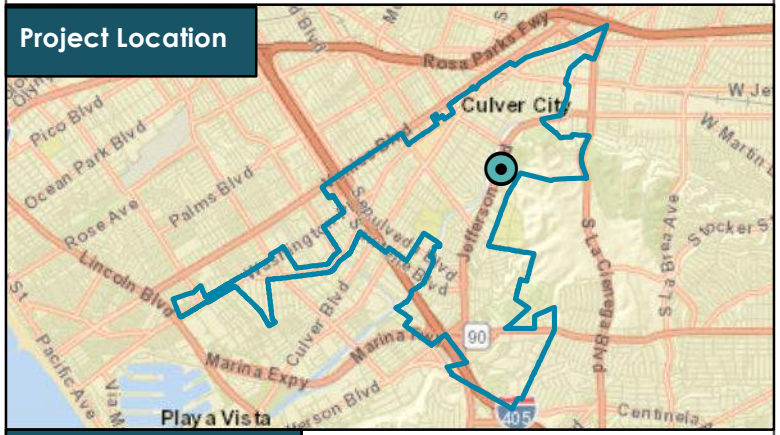
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.03
Drainage Area (ac):		0.49
Depth to Groundwater:		48
EWMP Equivalent Volume (ac-ft):		0.03
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

0 200 400 Feet

Source: City of Culver City

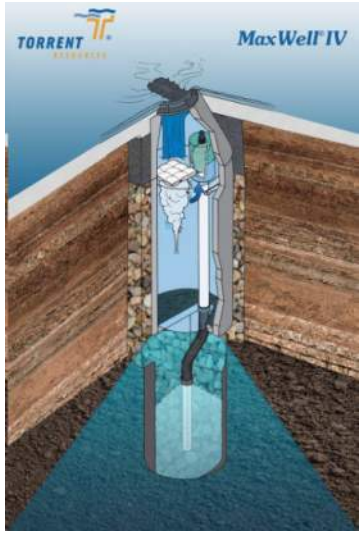
CULVER CITY STORMWATER QUALITY MASTER PLAN

Dry Well Site: D71

Project Map

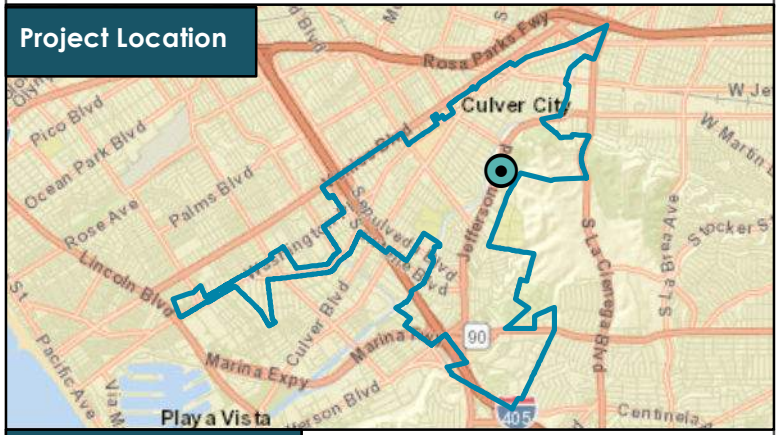
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.01
Drainage Area (ac):		0.34
Depth to Groundwater:		48
EWMP Equivalent Volume (ac-ft):		0.01
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

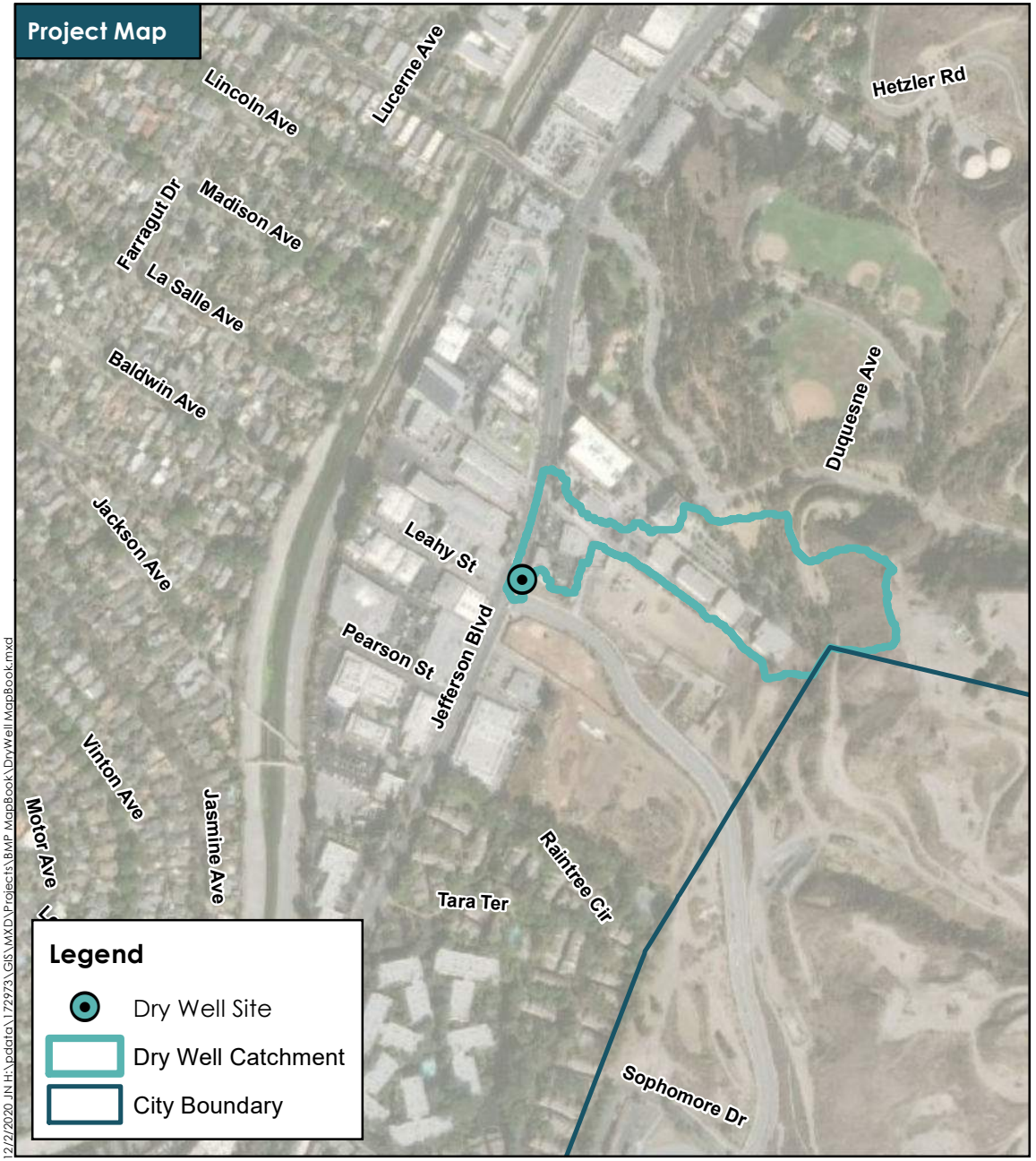
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

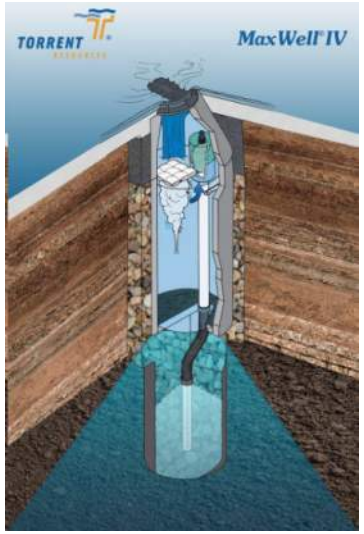
Dry Well Site: D72

Project Map



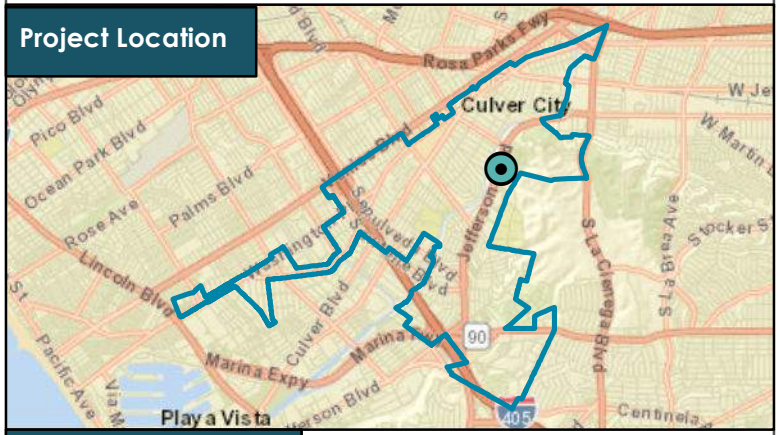
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.35
Drainage Area (ac):		9.36
Depth to Groundwater:		49
EWMP Equivalent Volume (ac-ft):		0.32
Cost Estimate:	$	450,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

0 300 600 Feet

Source: City of Culver City

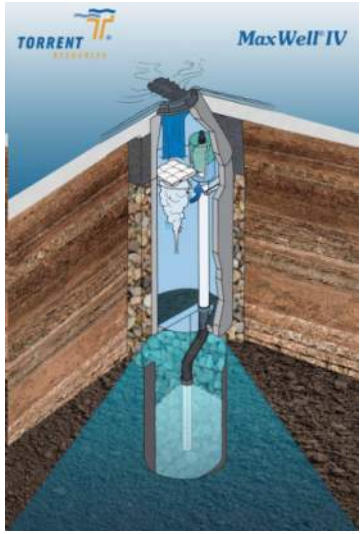
CULVER CITY STORMWATER QUALITY MASTER PLAN

Dry Well Site: D73

Project Map

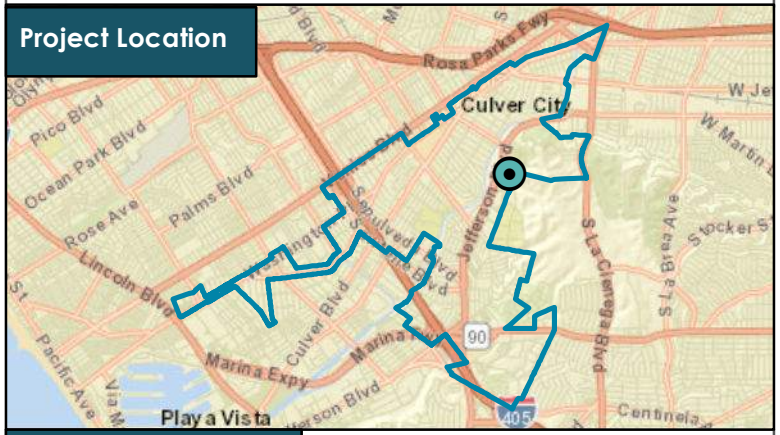
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.01
Drainage Area (ac):		0.41
Depth to Groundwater:		66
EWMP Equivalent Volume (ac-ft):		0
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

0 200 400 Feet

Source: City of Culver City

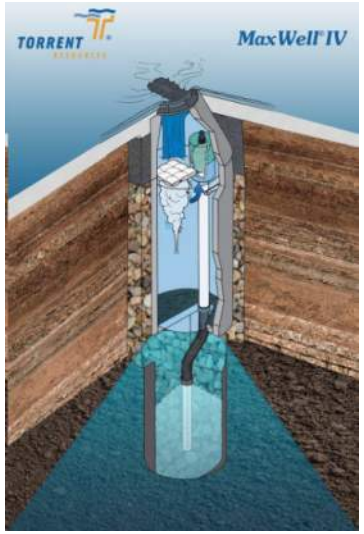
CULVER CITY STORMWATER QUALITY MASTER PLAN

Dry Well Site: D74

Project Map

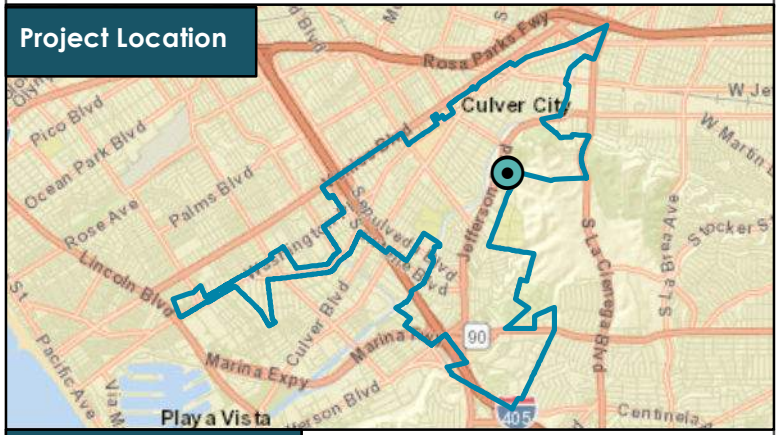
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.05
Drainage Area (ac):		3.64
Depth to Groundwater:		62
EWMP Equivalent Volume (ac-ft):		0.25
Cost Estimate:	$	150,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

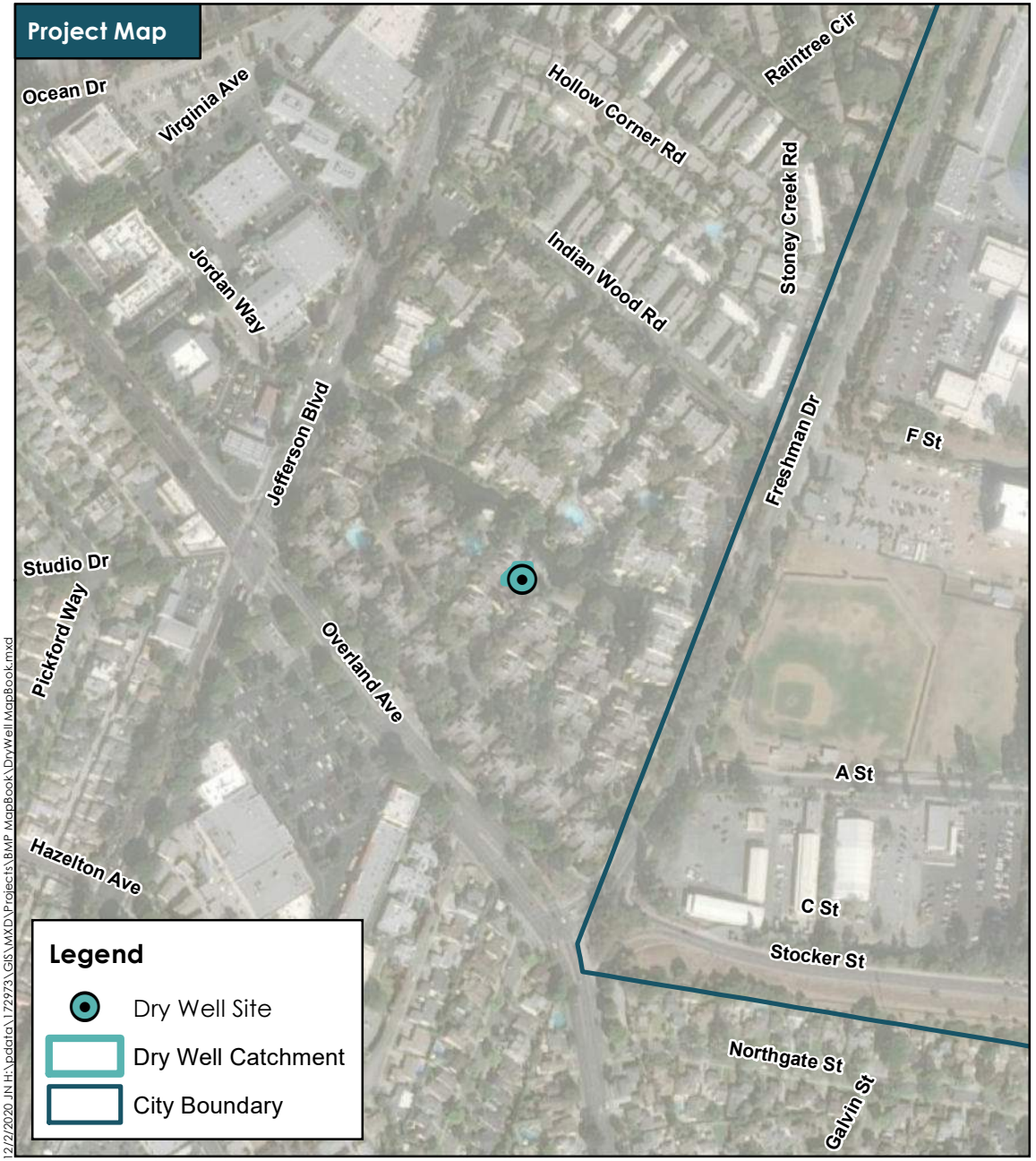
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

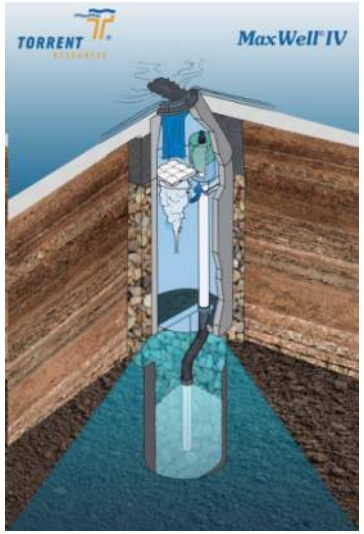
Dry Well Site: D75

Project Map



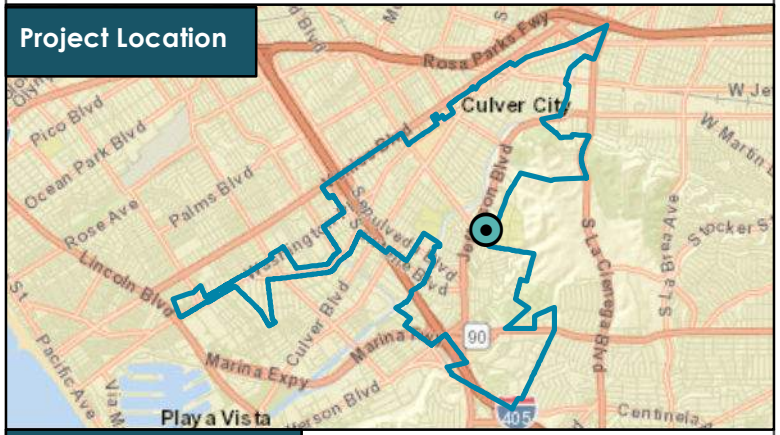
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0
Drainage Area (ac):		0.05
Depth to Groundwater:		39
EWMP Equivalent Volume (ac-ft):		0
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

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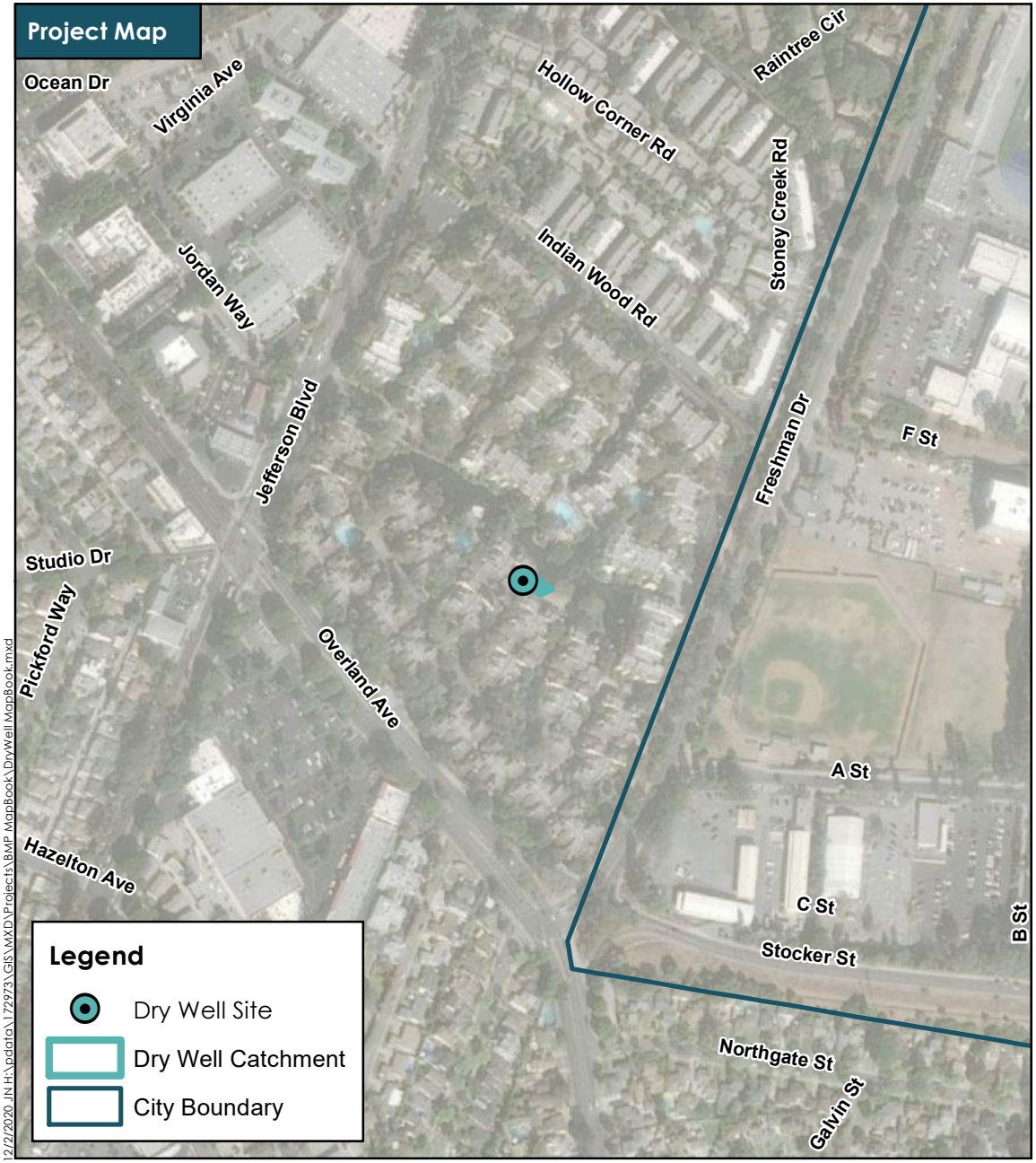
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

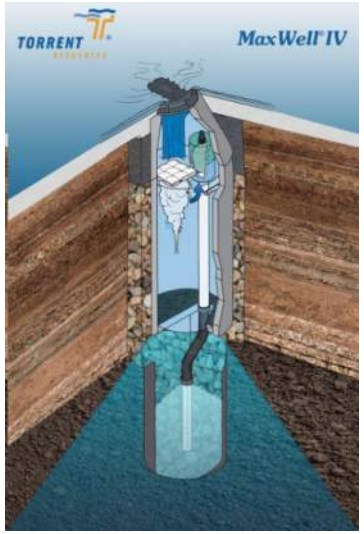
Dry Well Site: D76

Project Map



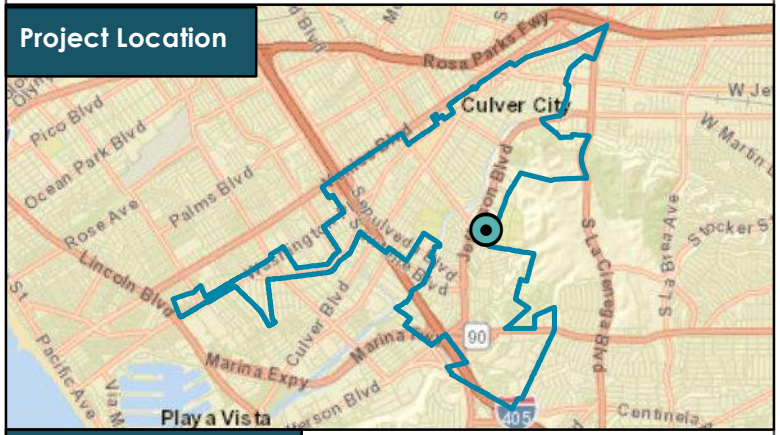
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0
Drainage Area (ac):		0.03
Depth to Groundwater:		39
EWMP Equivalent Volume (ac-ft):		0
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

0 200 400 Feet

Source: City of Culver City

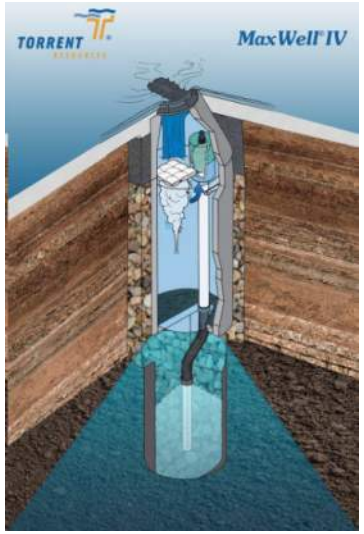
CULVER CITY STORMWATER QUALITY MASTER PLAN

Dry Well Site: D77

Project Map

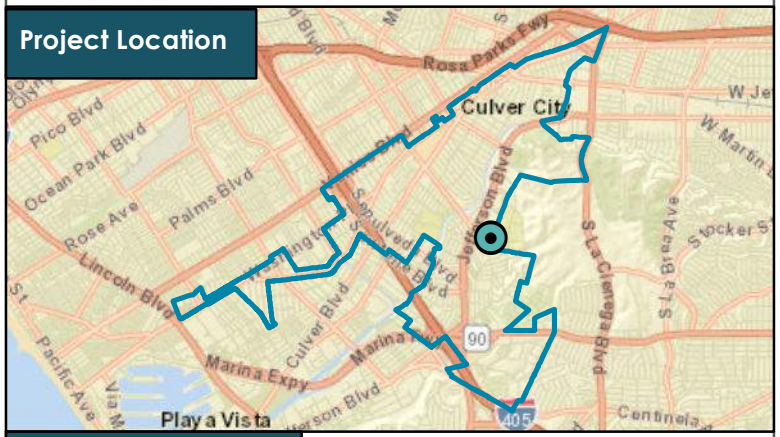
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0
Drainage Area (ac):		0.06
Depth to Groundwater:		38
EWMP Equivalent Volume (ac-ft):		0
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

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0 200 400 Feet

Source: City of Culver City

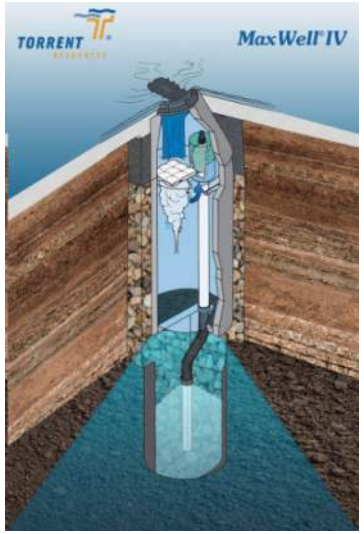
CULVER CITY STORMWATER QUALITY MASTER PLAN

Dry Well Site: D78

Project Map

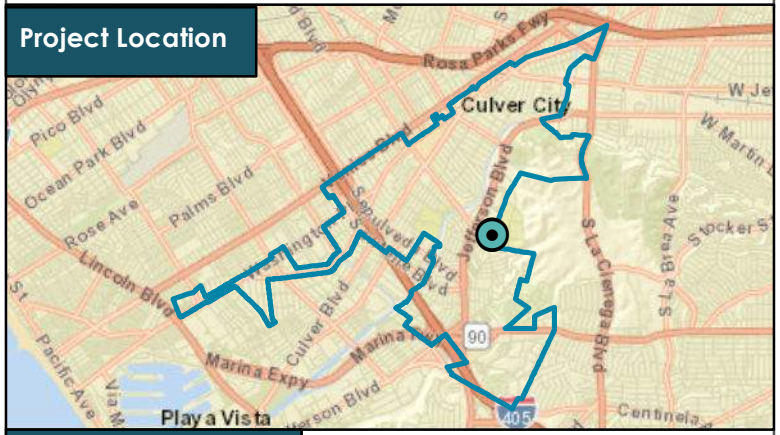
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.02
Drainage Area (ac):		0.41
Depth to Groundwater:		38
EWMP Equivalent Volume (ac-ft):		0.02
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

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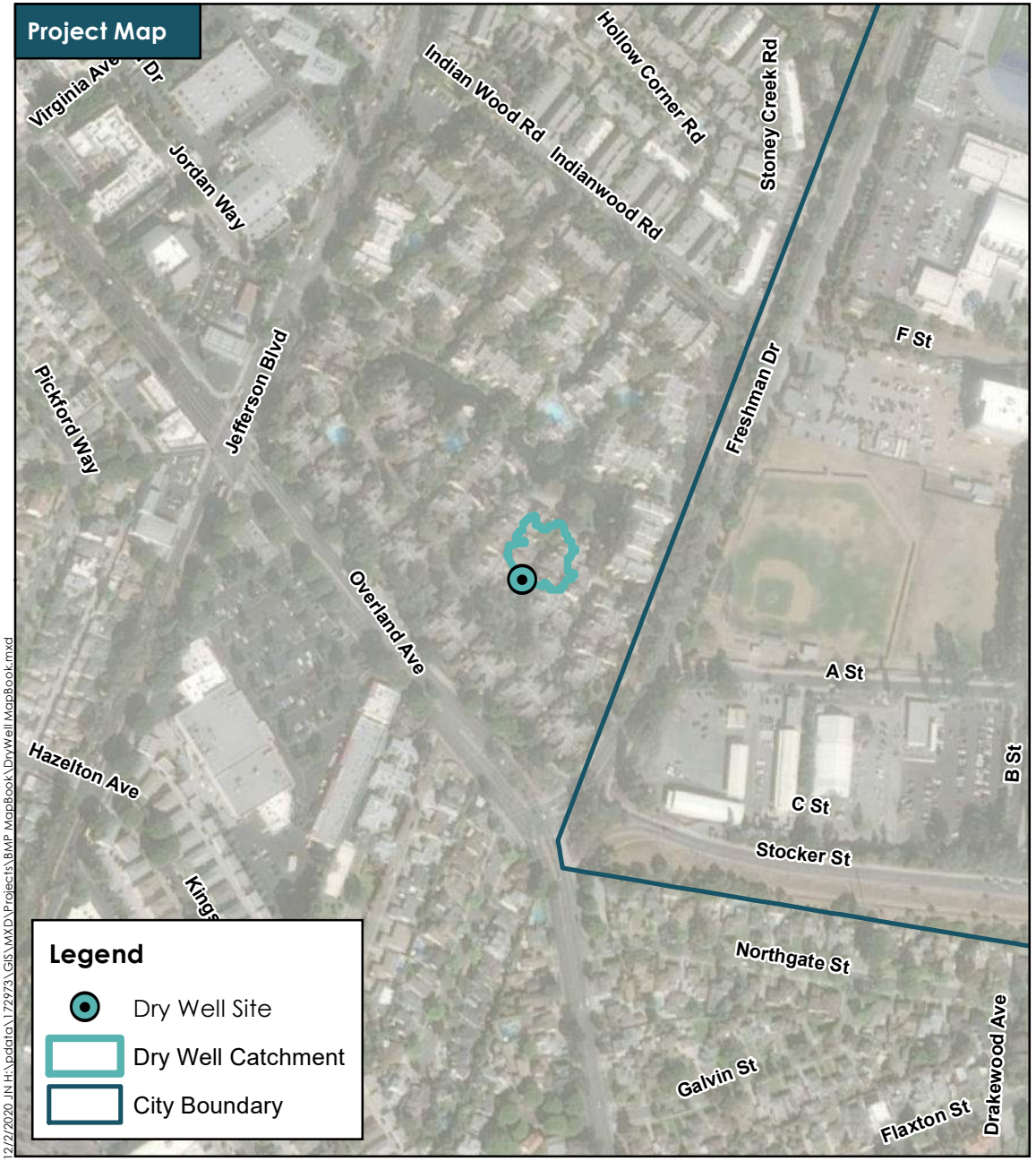
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

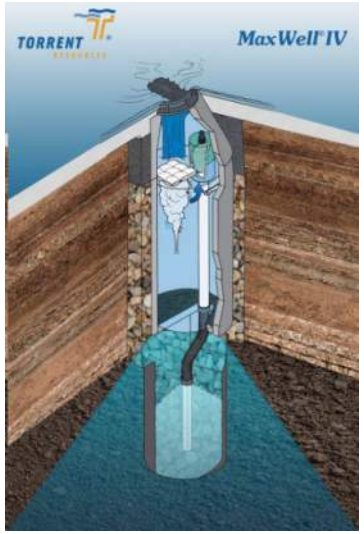
Dry Well Site: D79

Project Map



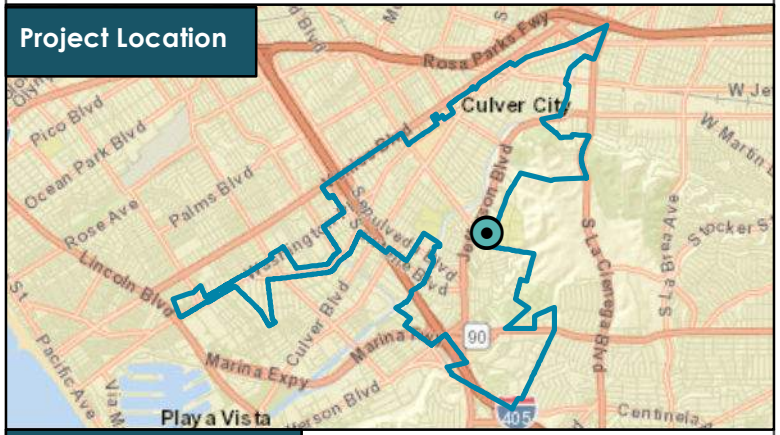
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.02
Drainage Area (ac):		0.41
Depth to Groundwater:		37
EWMP Equivalent Volume (ac-ft):		0.02
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

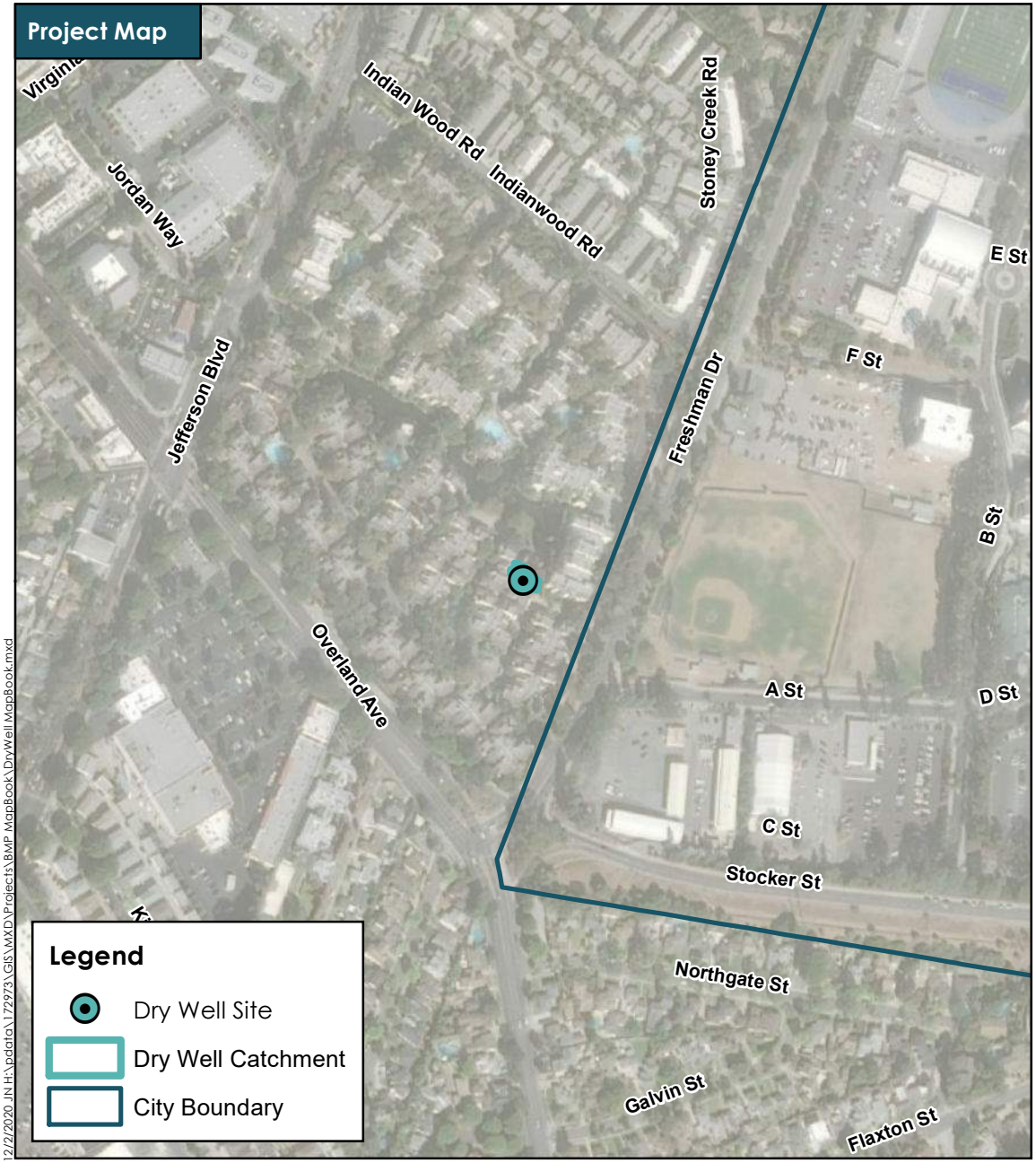
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

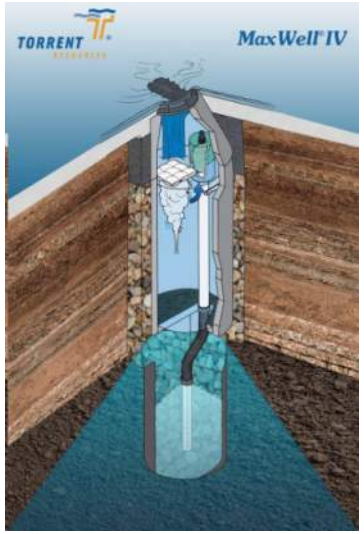
Dry Well Site: D80

Project Map



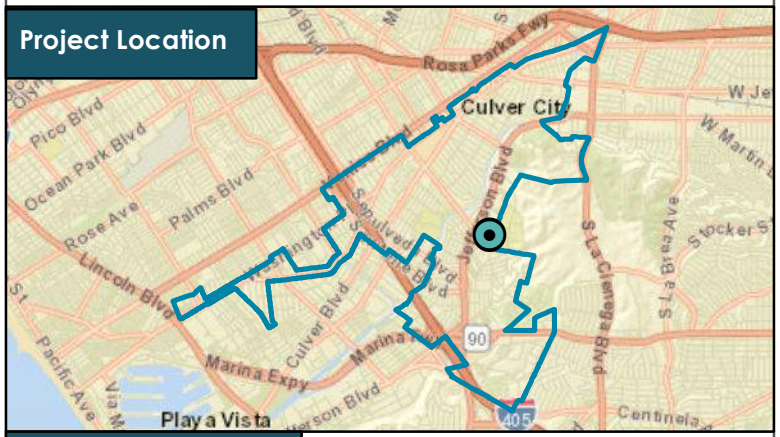
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0
Drainage Area (ac):		0.04
Depth to Groundwater:		37
EWMP Equivalent Volume (ac-ft):		0
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

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0 200 400 Feet

Source: City of Culver City

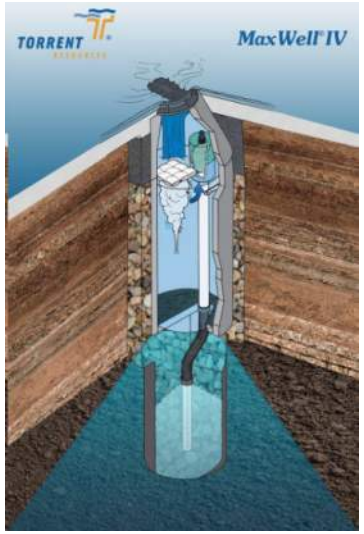
CULVER CITY STORMWATER QUALITY MASTER PLAN

Dry Well Site: D81

Project Map

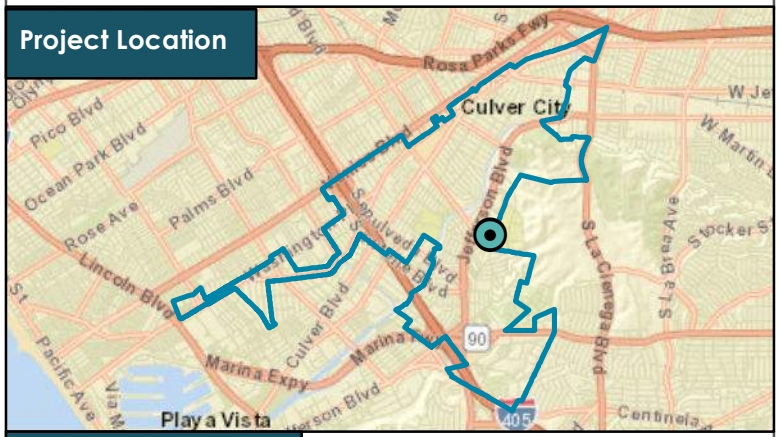
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0
Drainage Area (ac):		0.03
Depth to Groundwater:		39
EWMP Equivalent Volume (ac-ft):		0
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

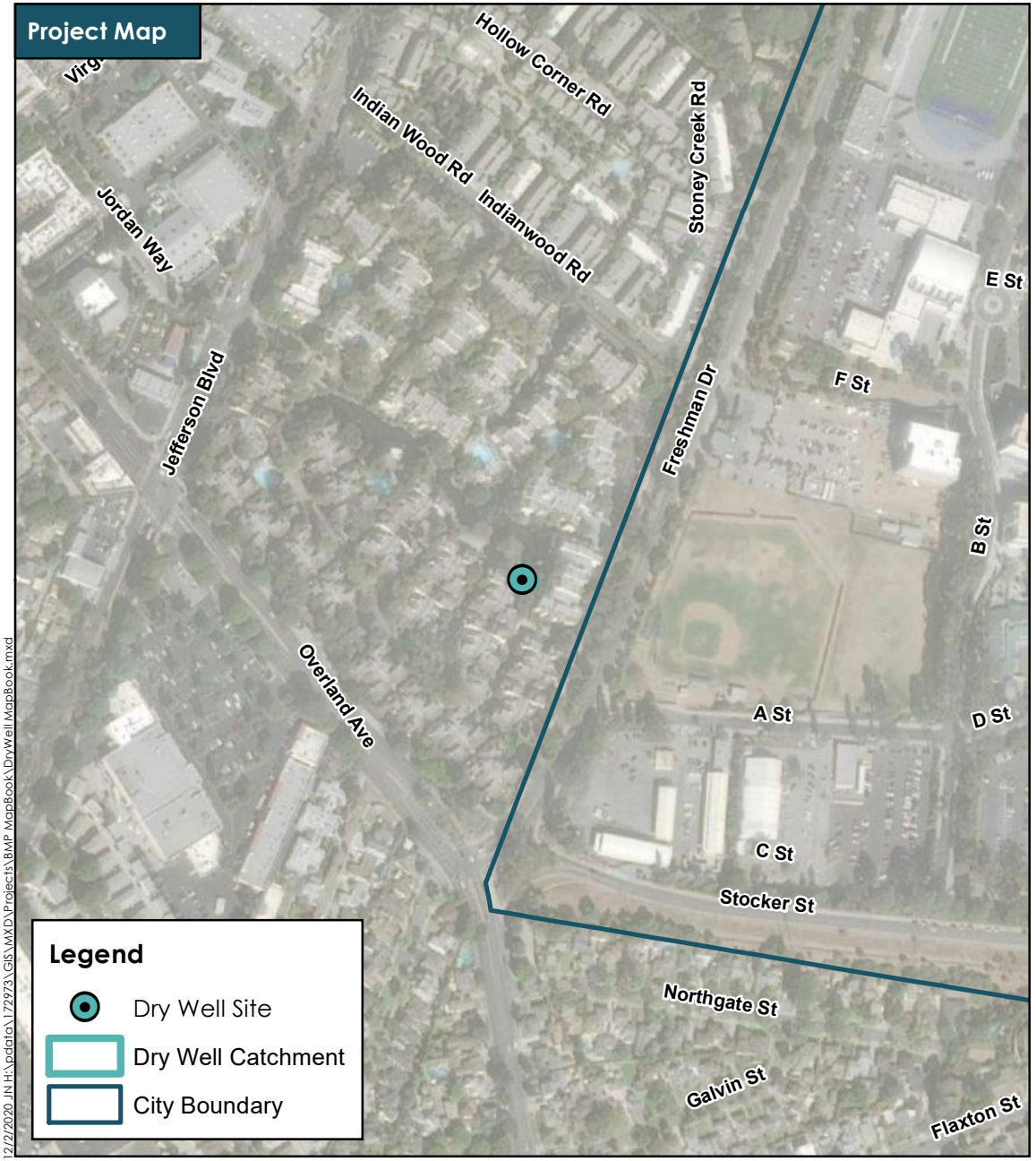
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

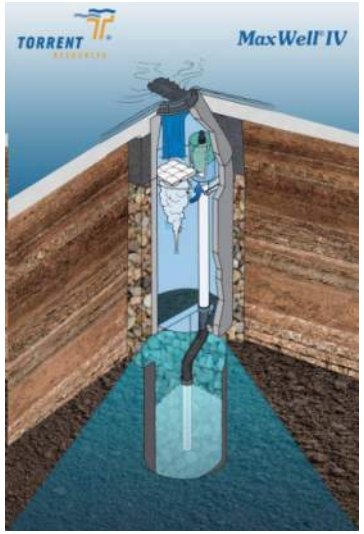
Dry Well Site: D82

Project Map



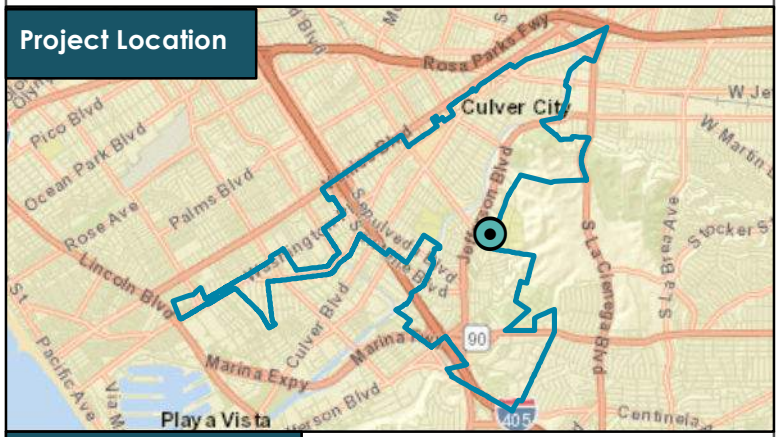
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0
Drainage Area (ac):		0.02
Depth to Groundwater:		39
EWMP Equivalent Volume (ac-ft):		0
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

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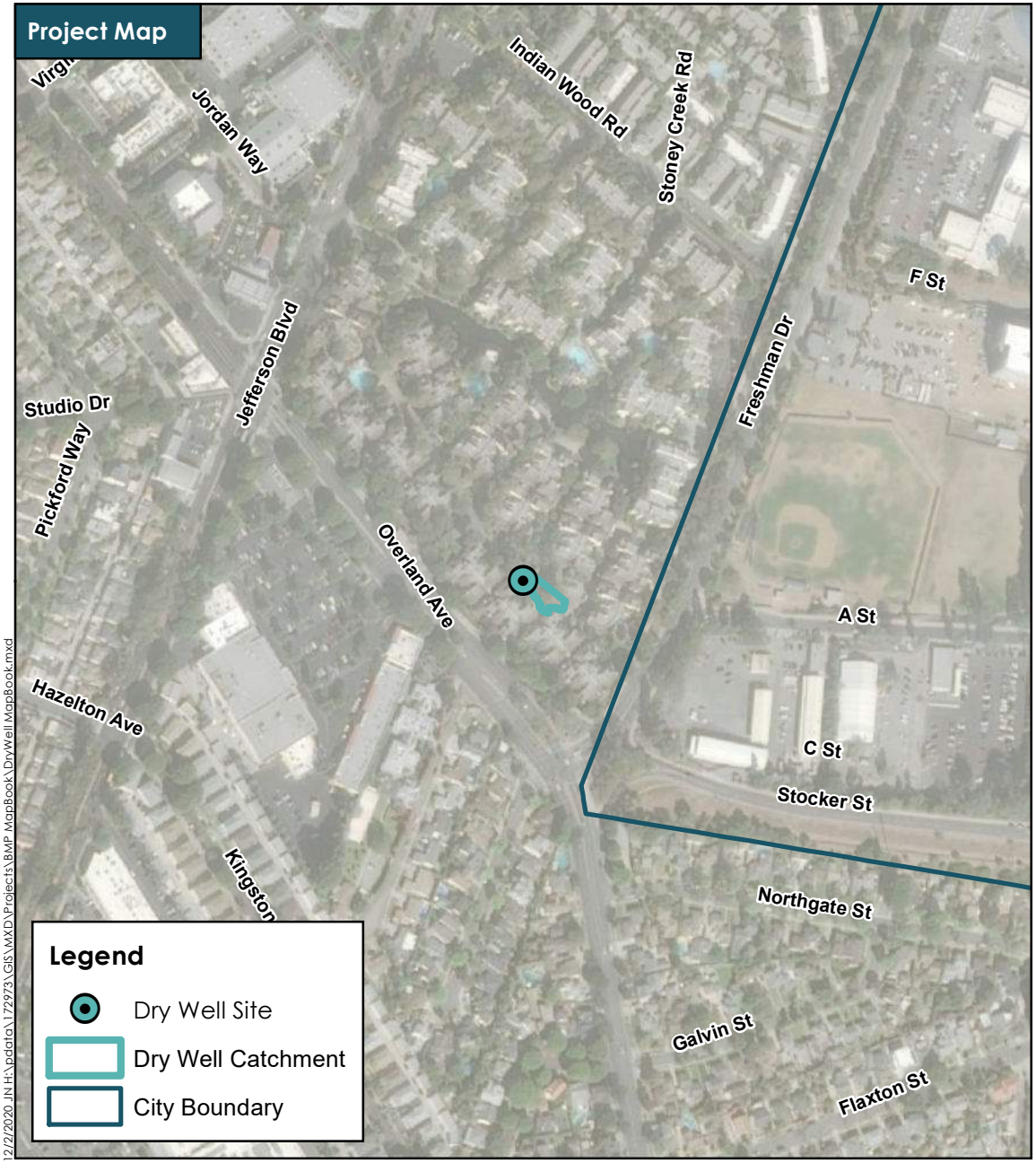
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

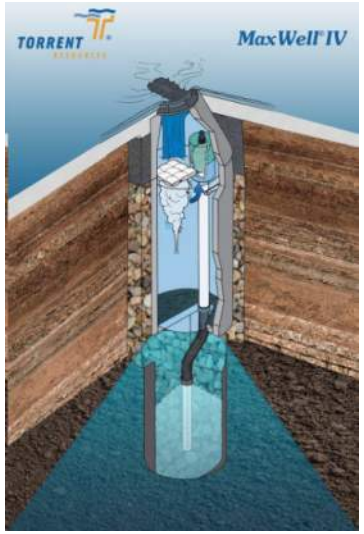
Dry Well Site: D83

Project Map



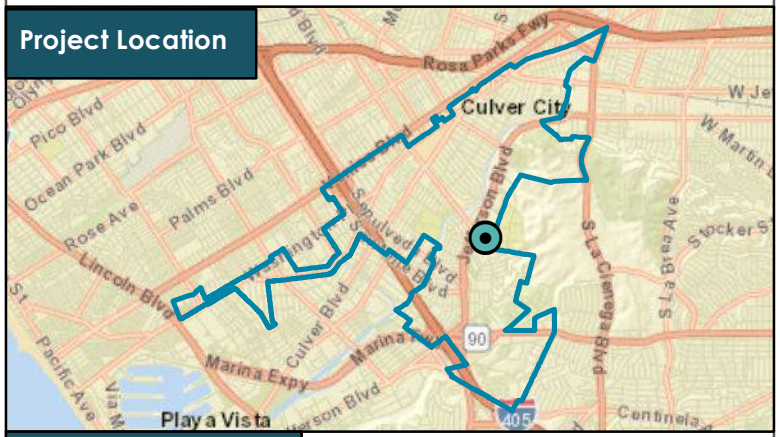
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0
Drainage Area (ac):		0.09
Depth to Groundwater:		37
EWMP Equivalent Volume (ac-ft):		0
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

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0 200 400 Feet

Source: City of Culver City

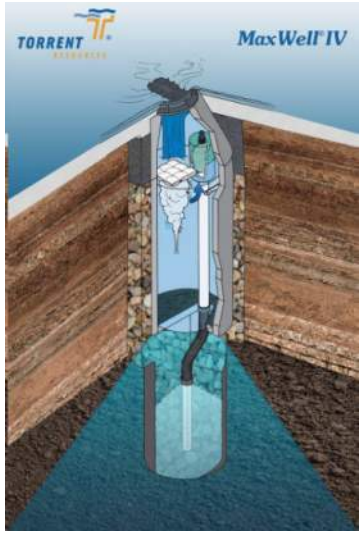
CULVER CITY STORMWATER QUALITY MASTER PLAN

Dry Well Site: D84

Project Map

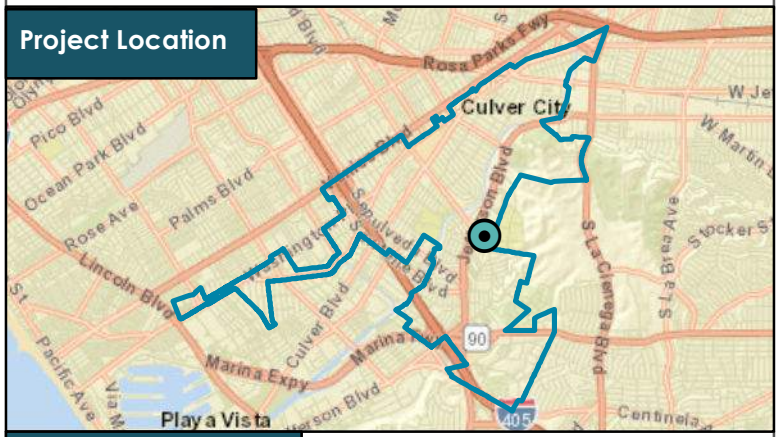
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.01
Drainage Area (ac):		0.14
Depth to Groundwater:		35
EWMP Equivalent Volume (ac-ft):		0.01
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

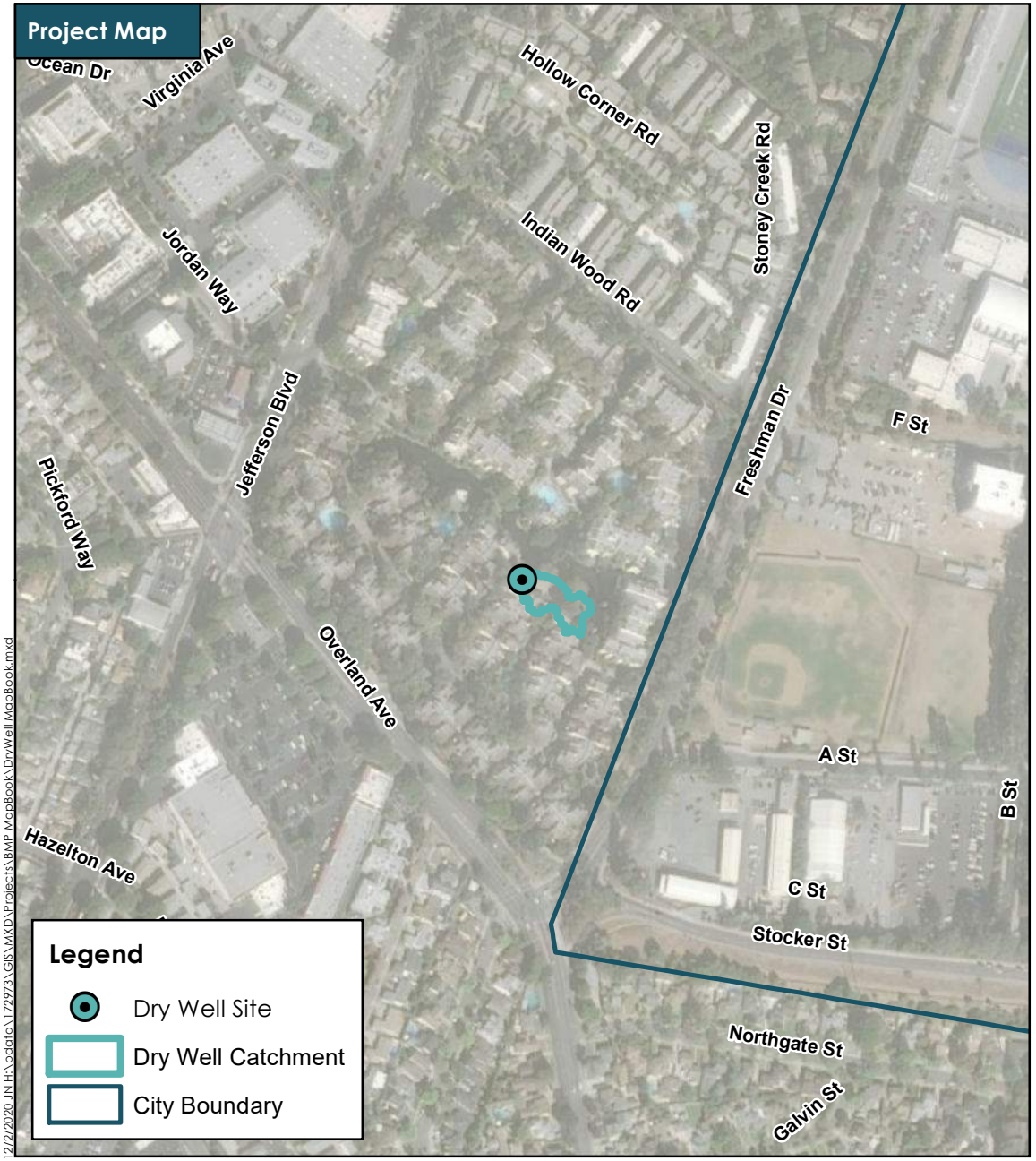
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

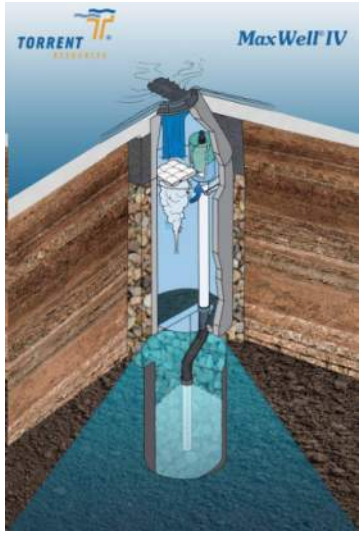
Dry Well Site: D85

Project Map



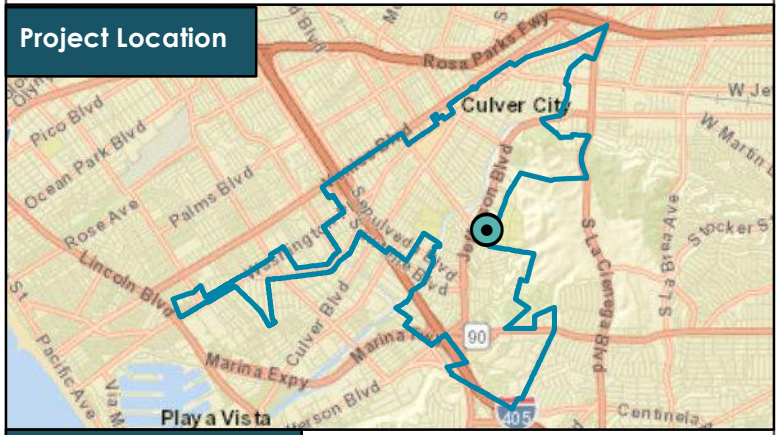
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.01
Drainage Area (ac):		0.27
Depth to Groundwater:		39
EWMP Equivalent Volume (ac-ft):		0.01
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

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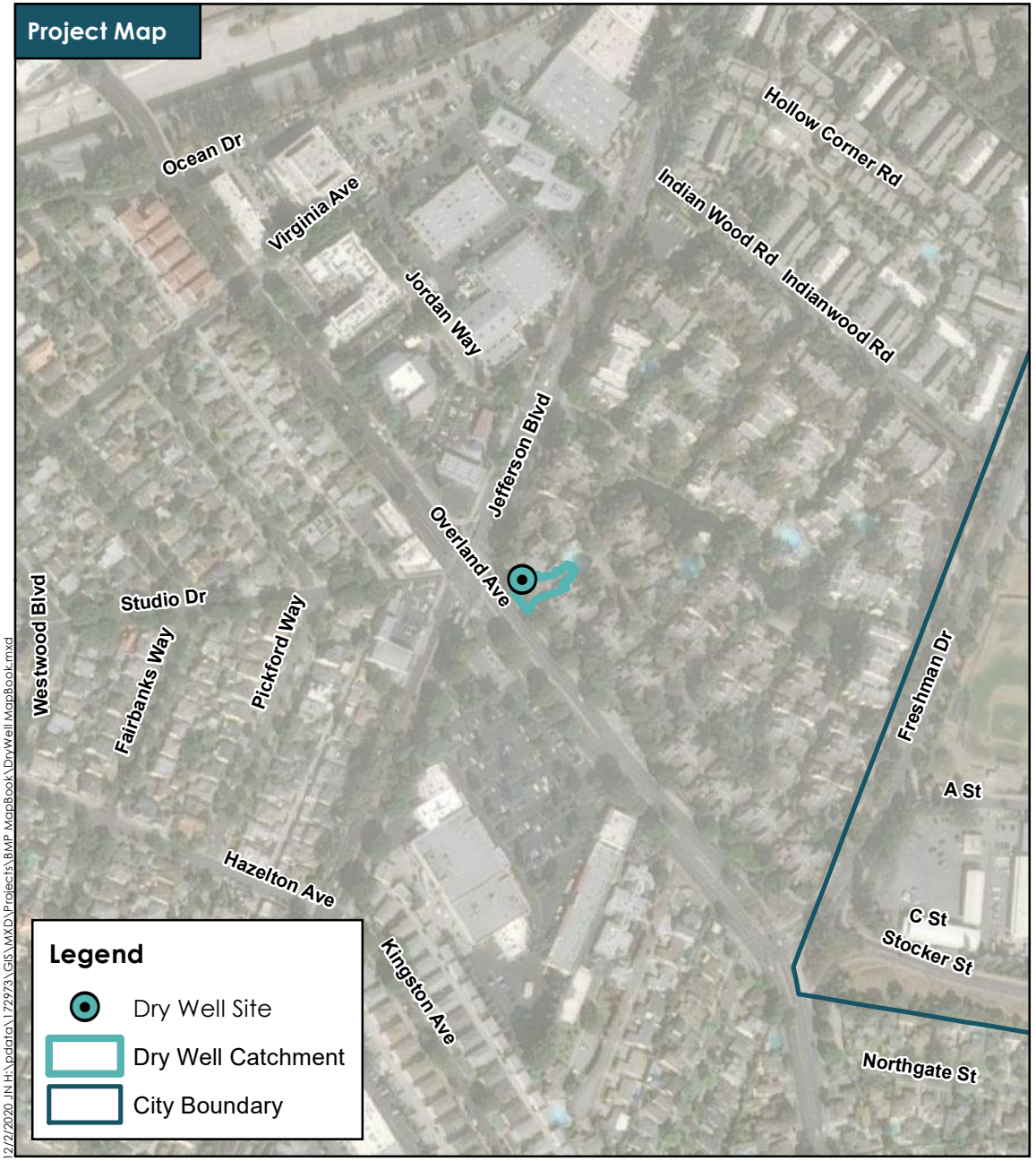
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

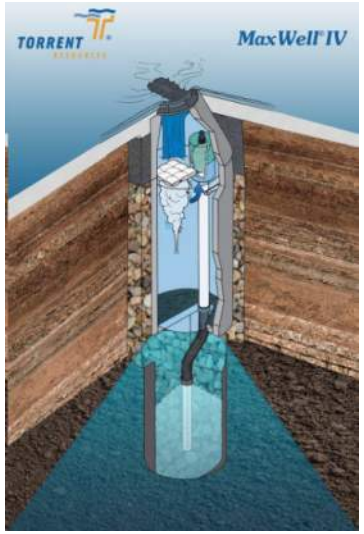
Dry Well Site: D86

Project Map



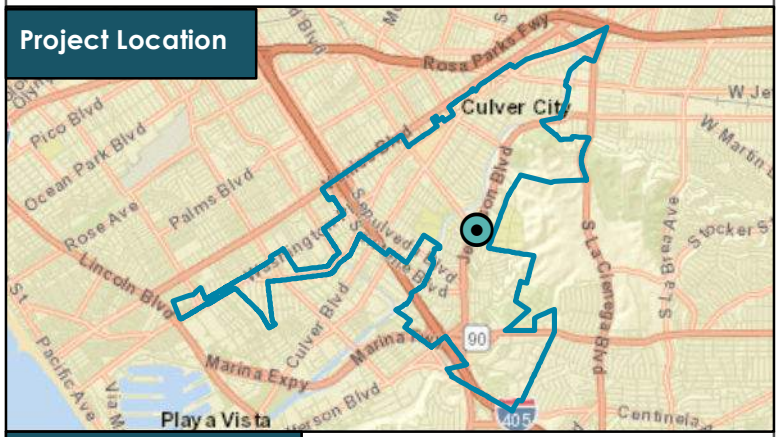
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.01
Drainage Area (ac):		0.15
Depth to Groundwater:		40
EWMP Equivalent Volume (ac-ft):		0.01
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

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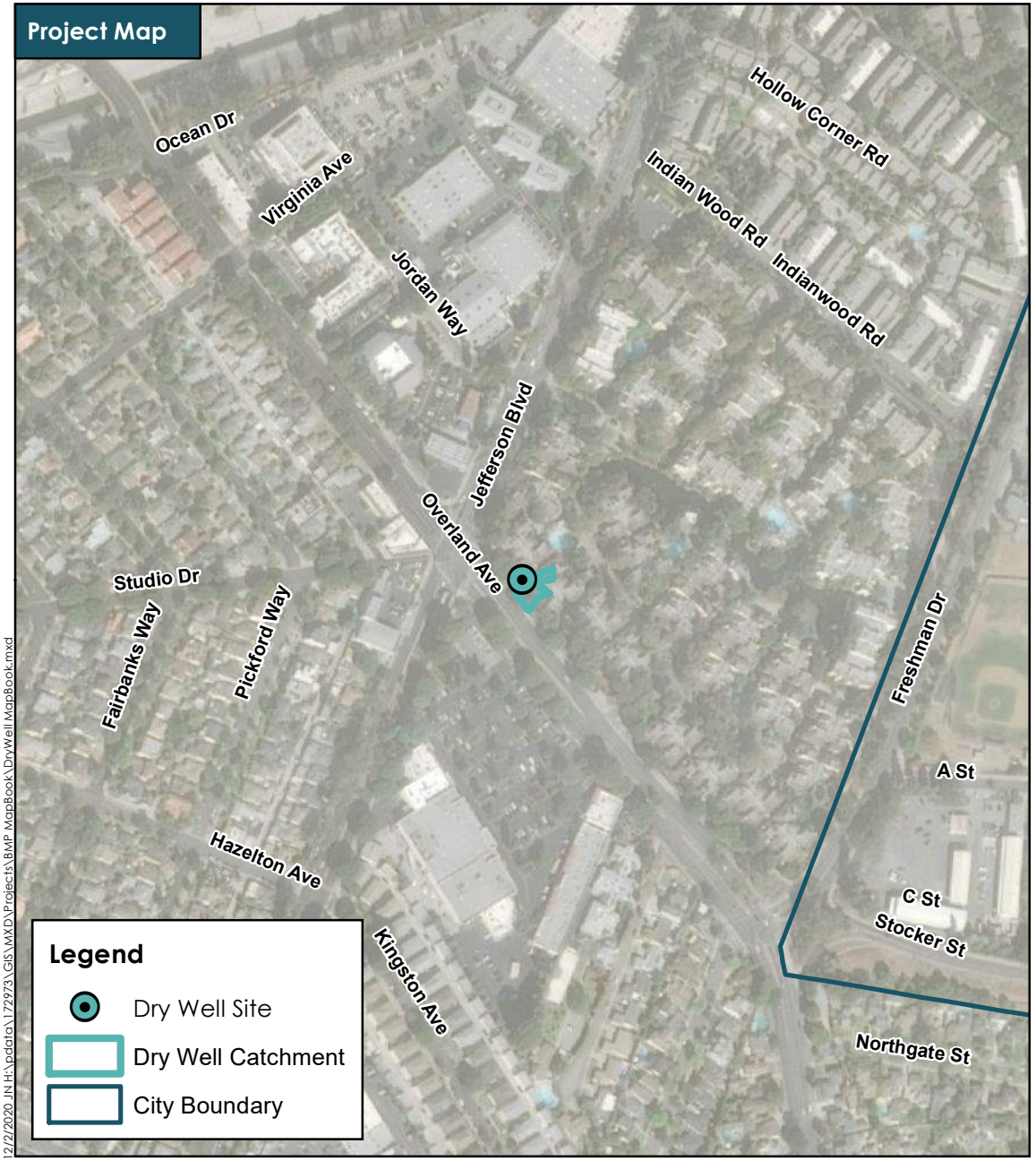
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

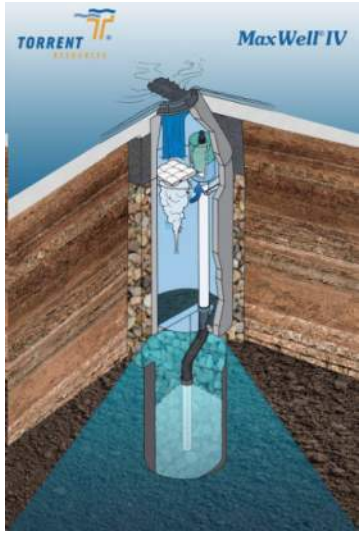
Dry Well Site: D87

Project Map



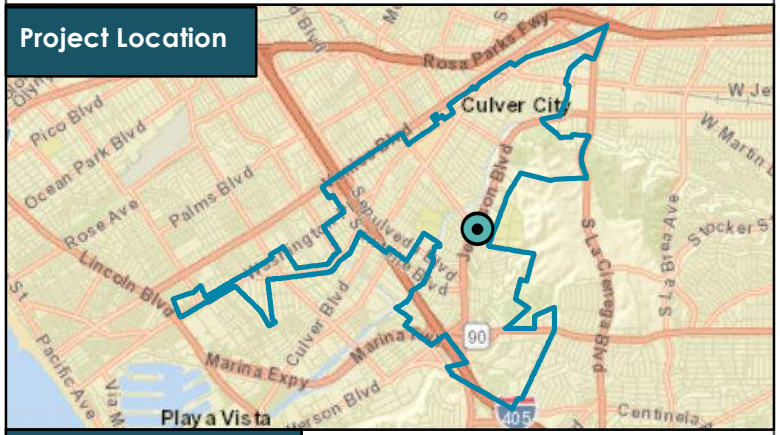
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0
Drainage Area (ac):		0.09
Depth to Groundwater:		40
EWMP Equivalent Volume (ac-ft):		0.01
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

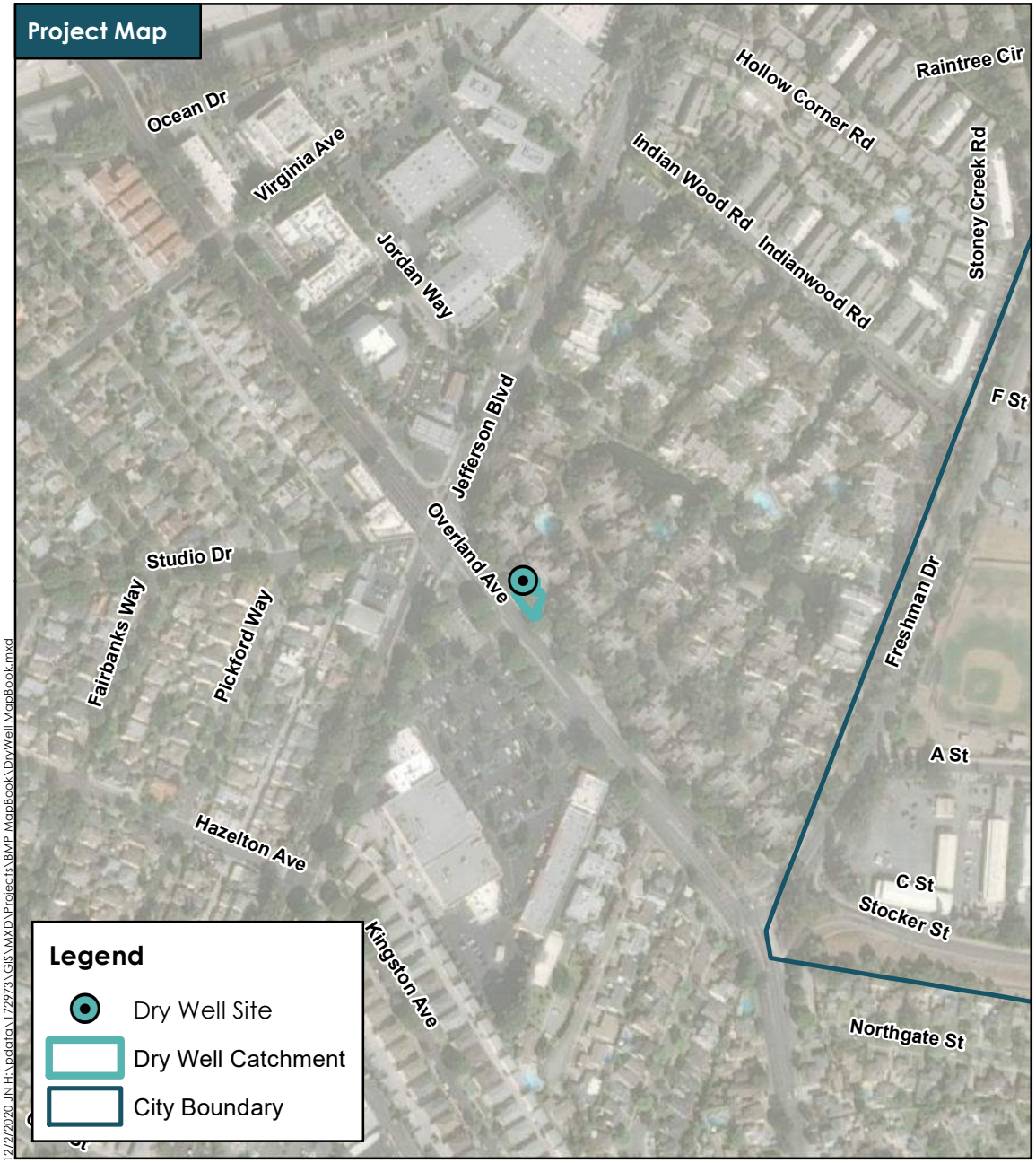
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

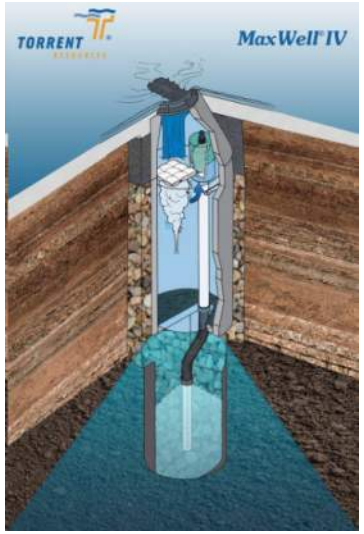
Dry Well Site: D88

Project Map



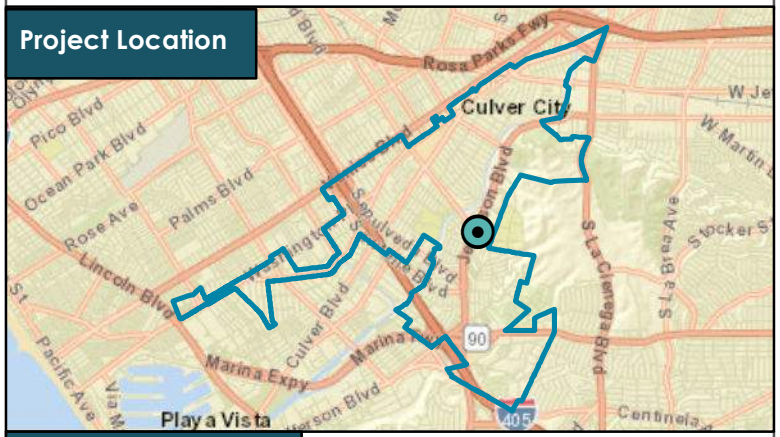
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0
Drainage Area (ac):		0.08
Depth to Groundwater:		40
EWMP Equivalent Volume (ac-ft):		0
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

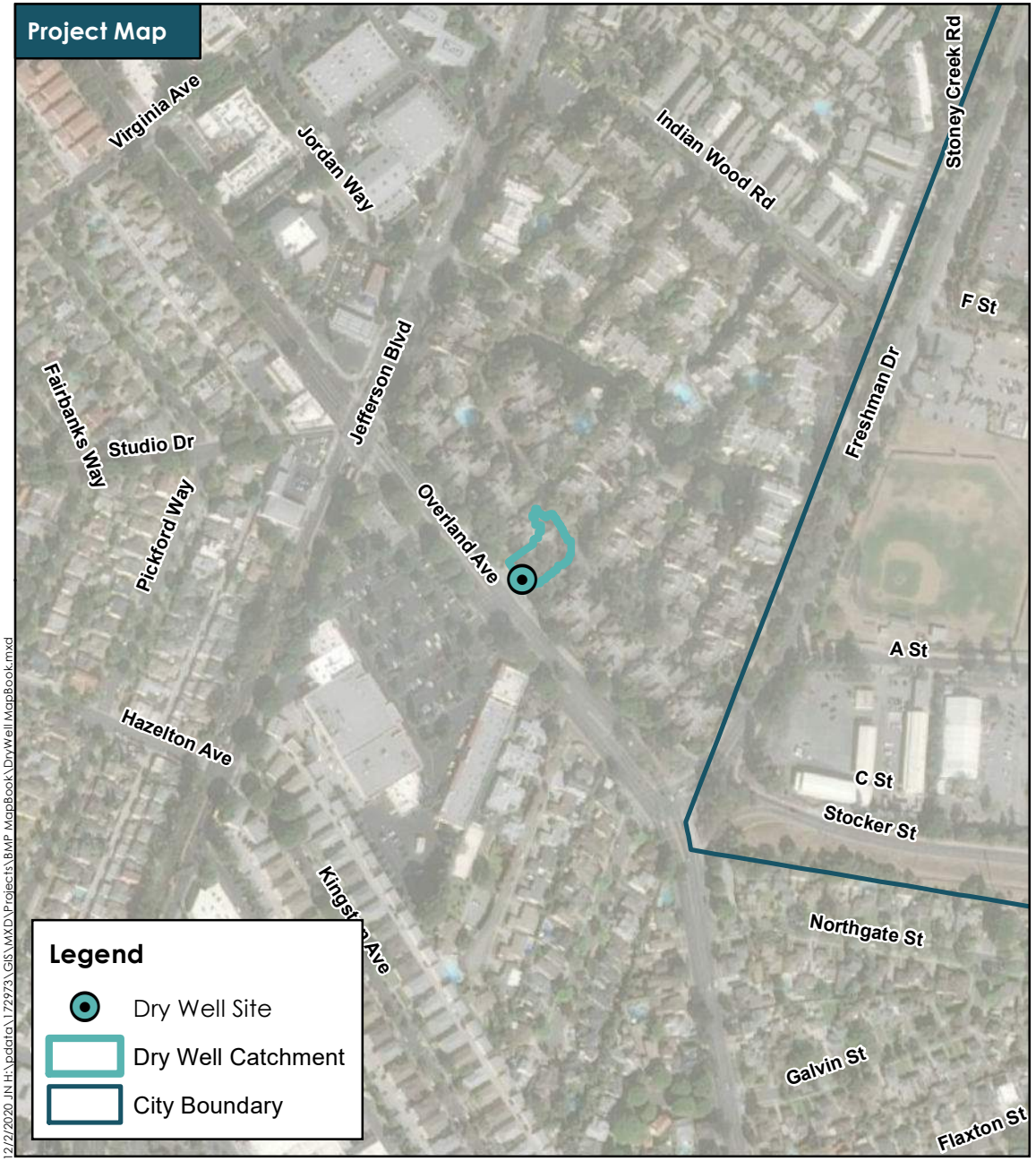
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

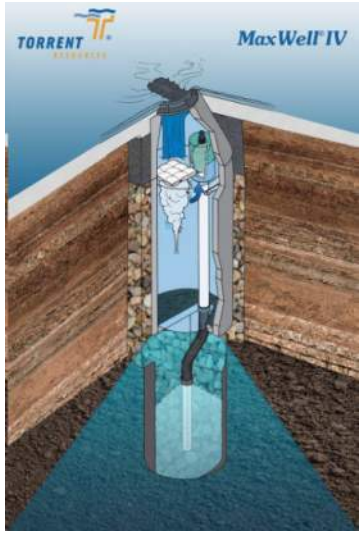
Dry Well Site: D89

Project Map



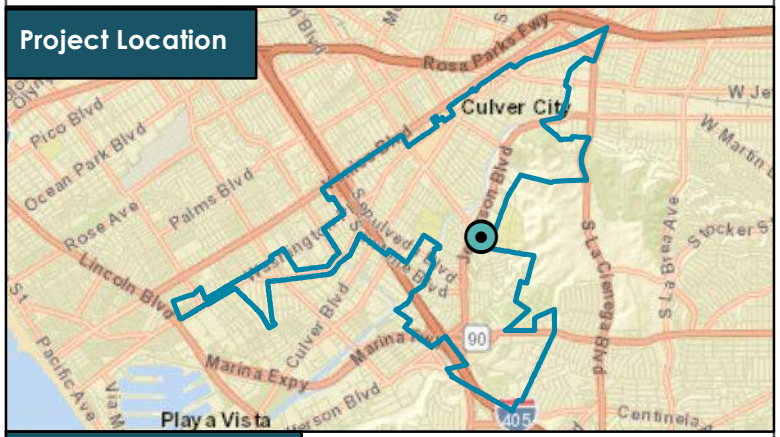
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.01
Drainage Area (ac):		0.3
Depth to Groundwater:		33
EWMP Equivalent Volume (ac-ft):		0.01
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

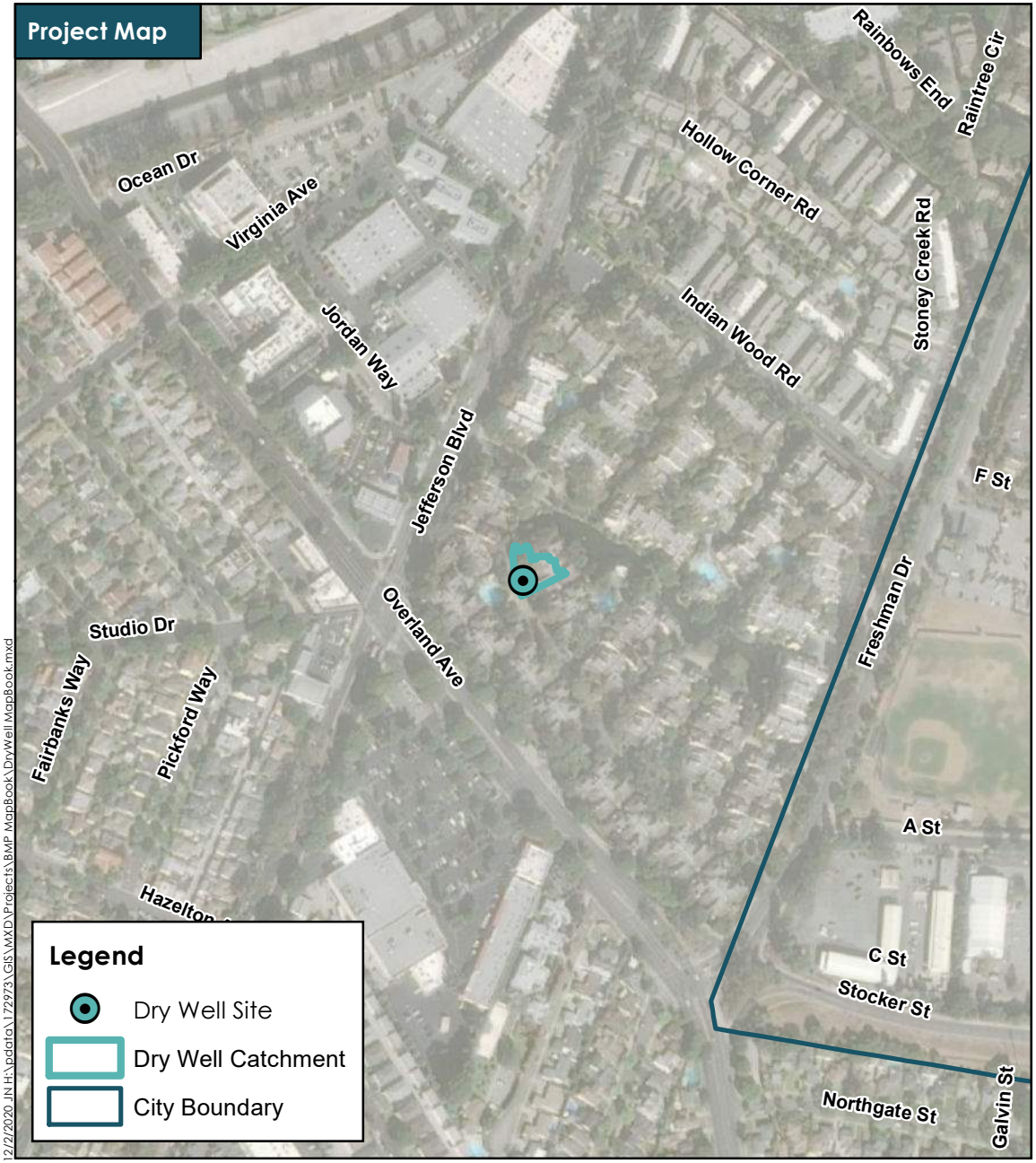
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

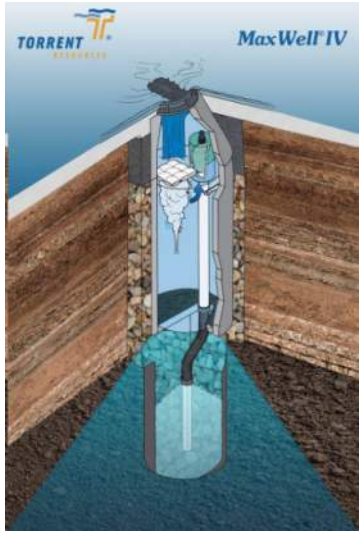
Dry Well Site: D91

Project Map



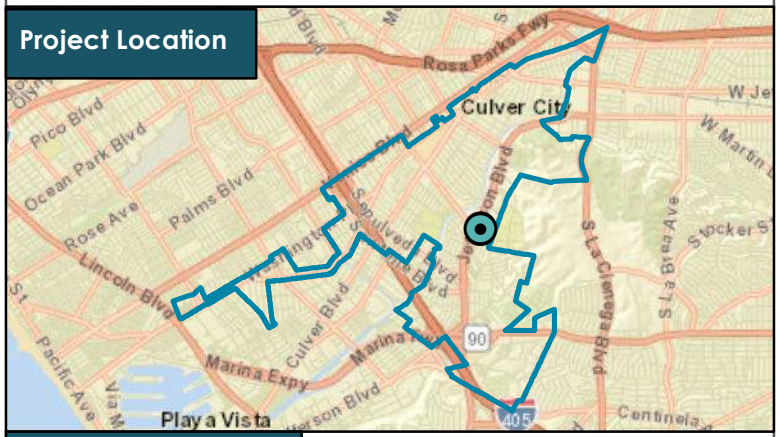
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.01
Drainage Area (ac):		0.18
Depth to Groundwater:		38
EWMP Equivalent Volume (ac-ft):		0.01
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

0 200 400 Feet

Source: City of Culver City

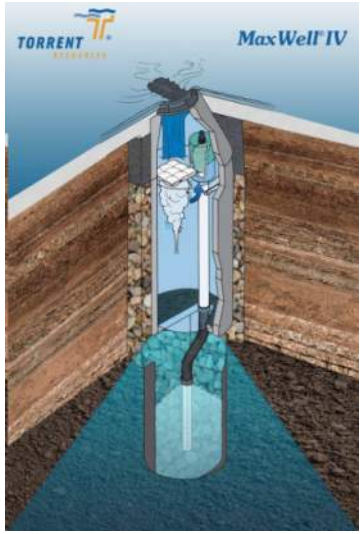
CULVER CITY STORMWATER QUALITY MASTER PLAN

Dry Well Site: D92

Project Map

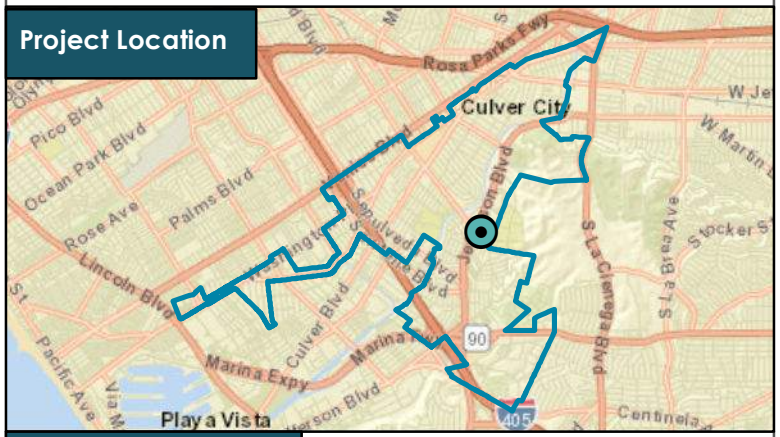
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.01
Drainage Area (ac):		0.18
Depth to Groundwater:		35
EWMP Equivalent Volume (ac-ft):		0.01
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

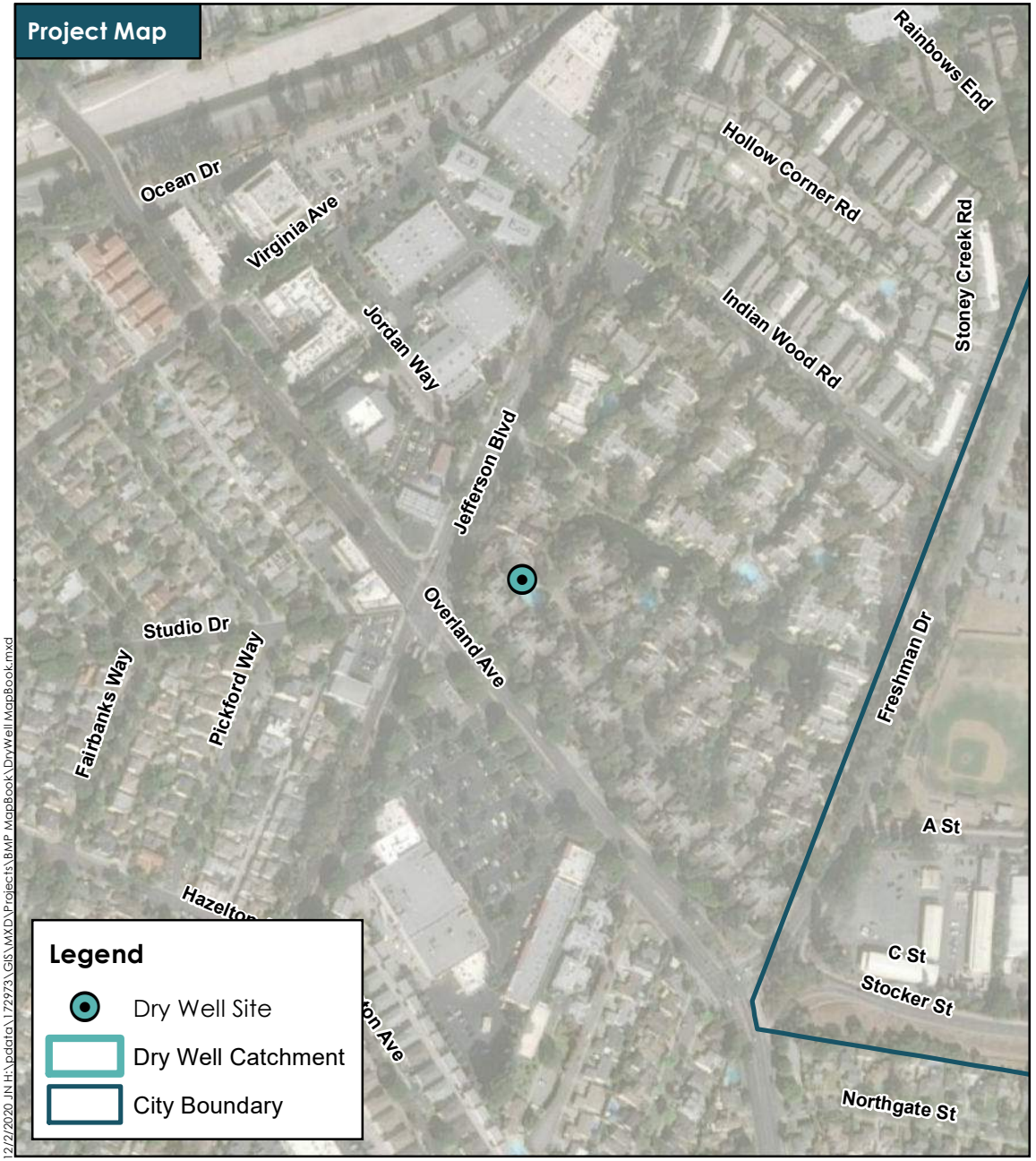
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

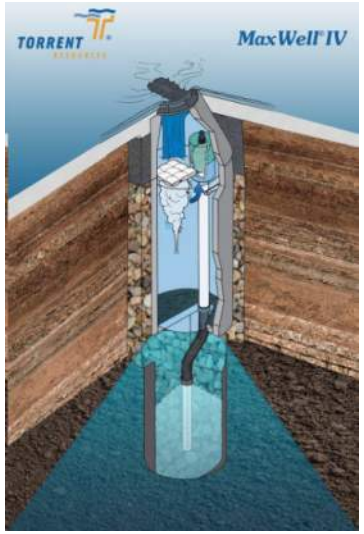
Dry Well Site: D93

Project Map



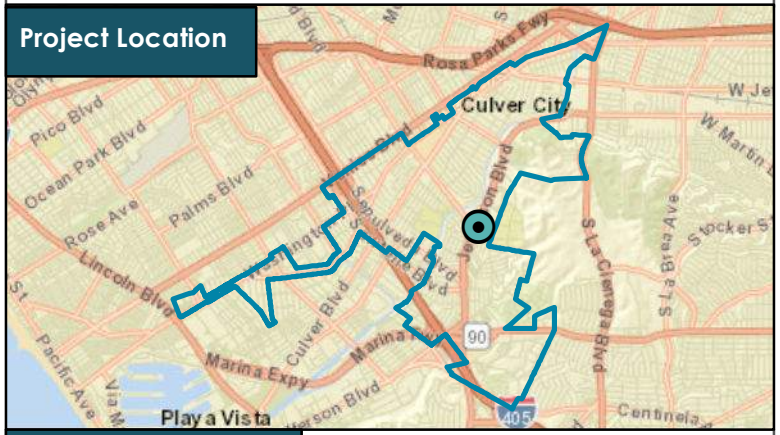
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0
Drainage Area (ac):		0.13
Depth to Groundwater:		40
EWMP Equivalent Volume (ac-ft):		0
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

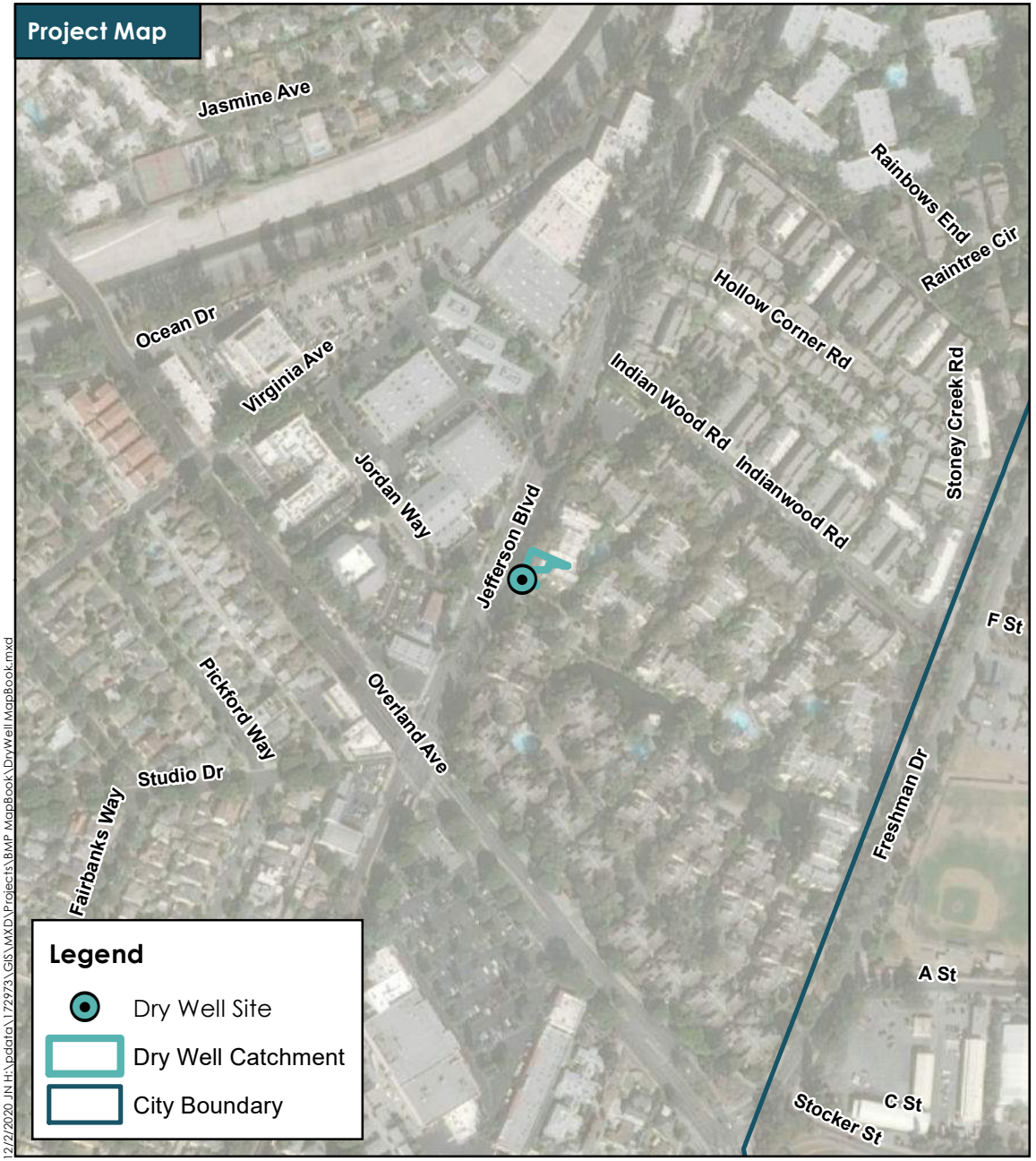
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Dry Well Site: D95

Project Map



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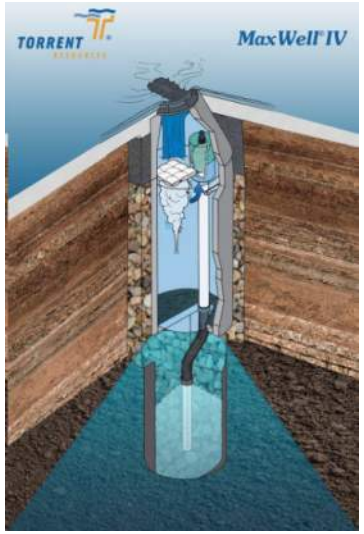
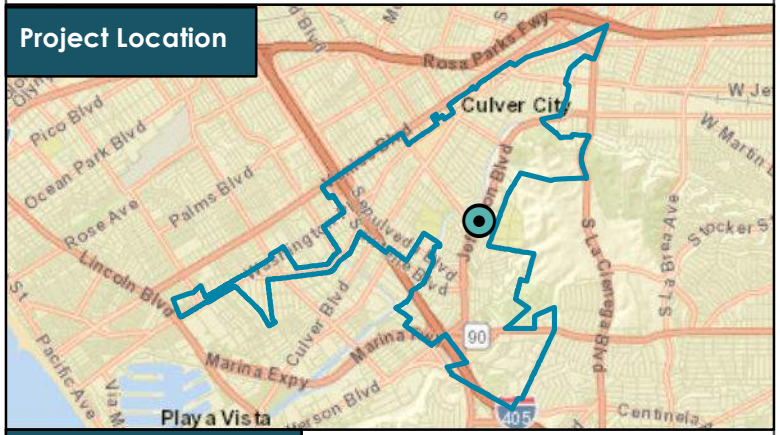
Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0
Drainage Area (ac):		0.07
Depth to Groundwater:		37
EWMP Equivalent Volume (ac-ft):		0
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

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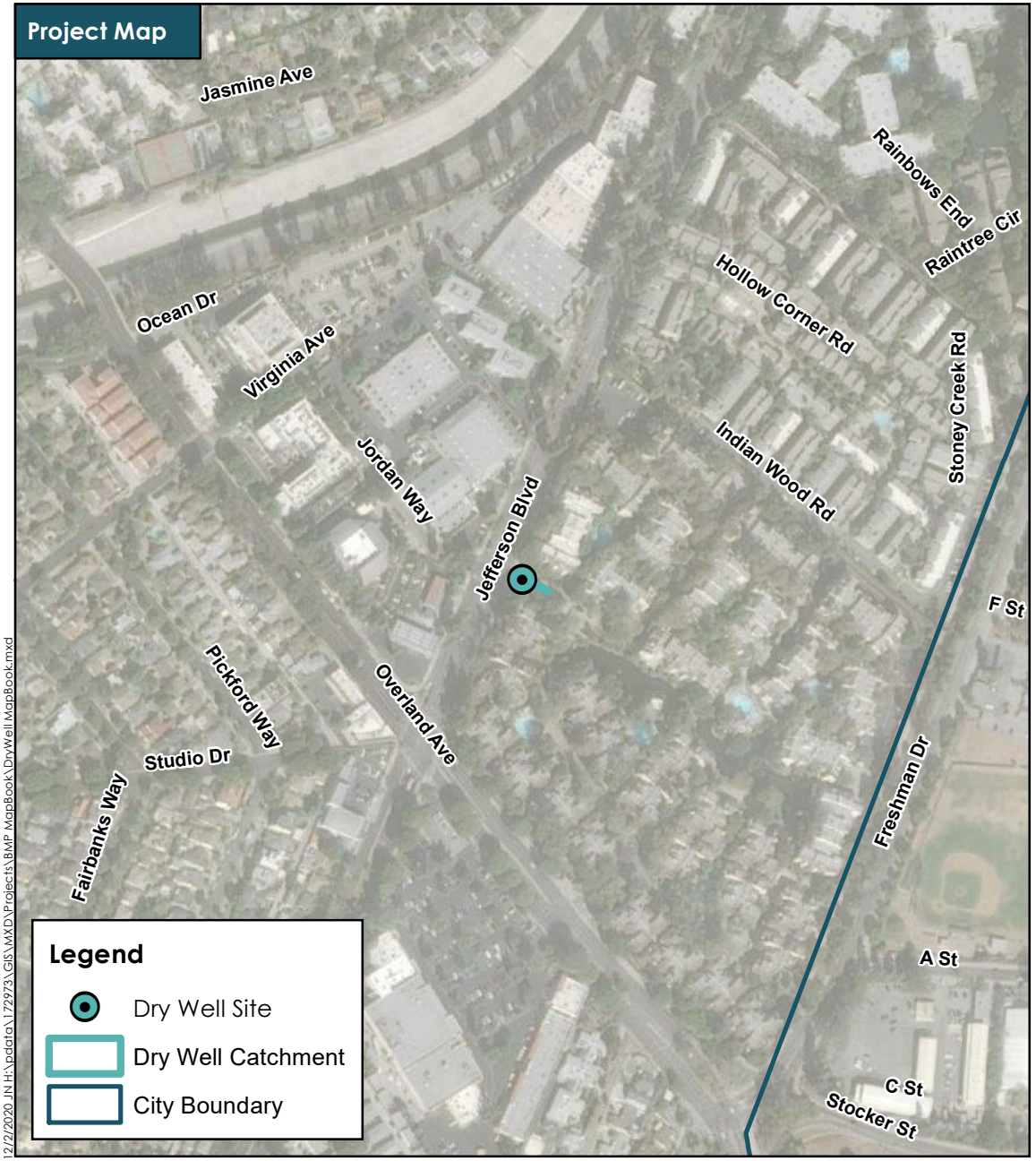
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

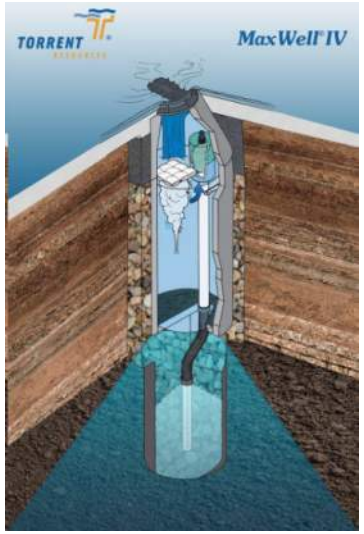
Dry Well Site: D99

Project Map



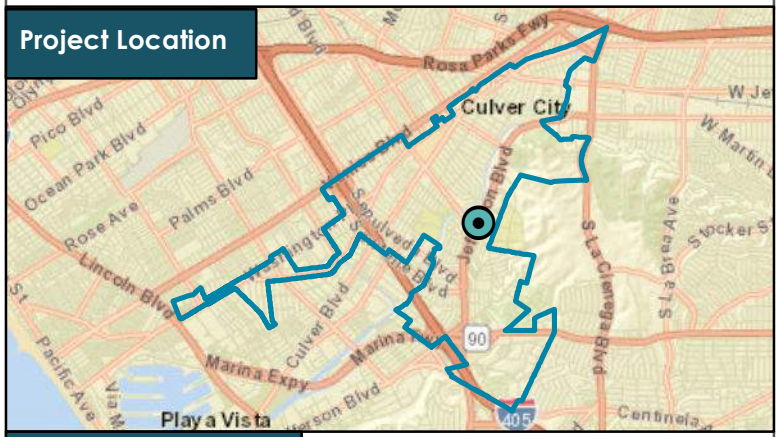
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0
Drainage Area (ac):		0
Depth to Groundwater:		35
EWMP Equivalent Volume (ac-ft):		0
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

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Michael Baker INTERNATIONAL

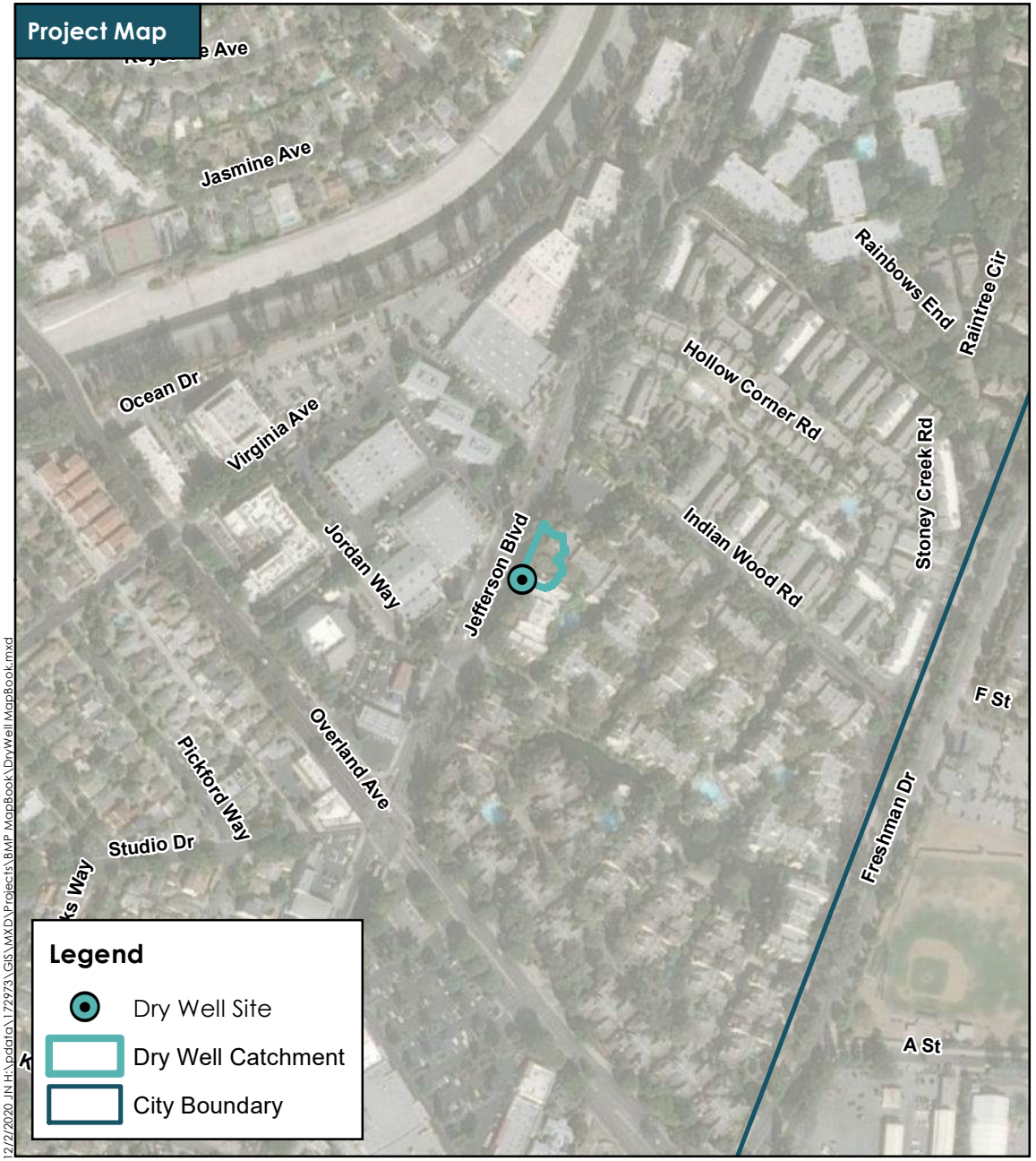
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

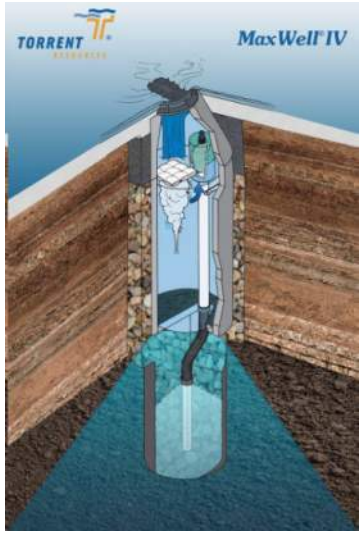
Dry Well Site: D100

Project Map



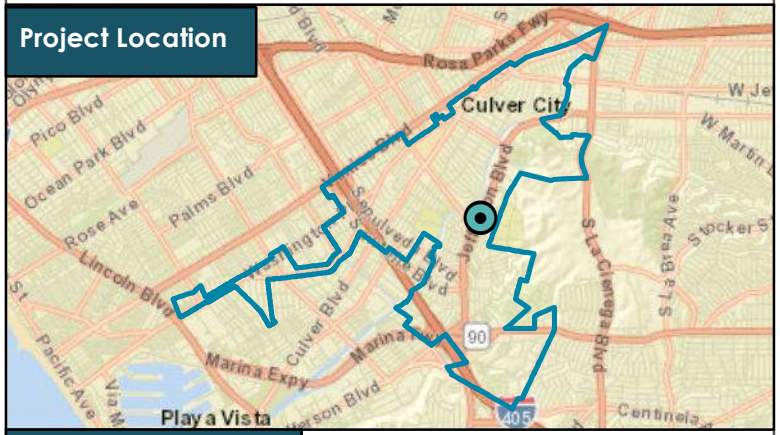
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.01
Drainage Area (ac):		0.21
Depth to Groundwater:		37
EWMP Equivalent Volume (ac-ft):		0.01
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

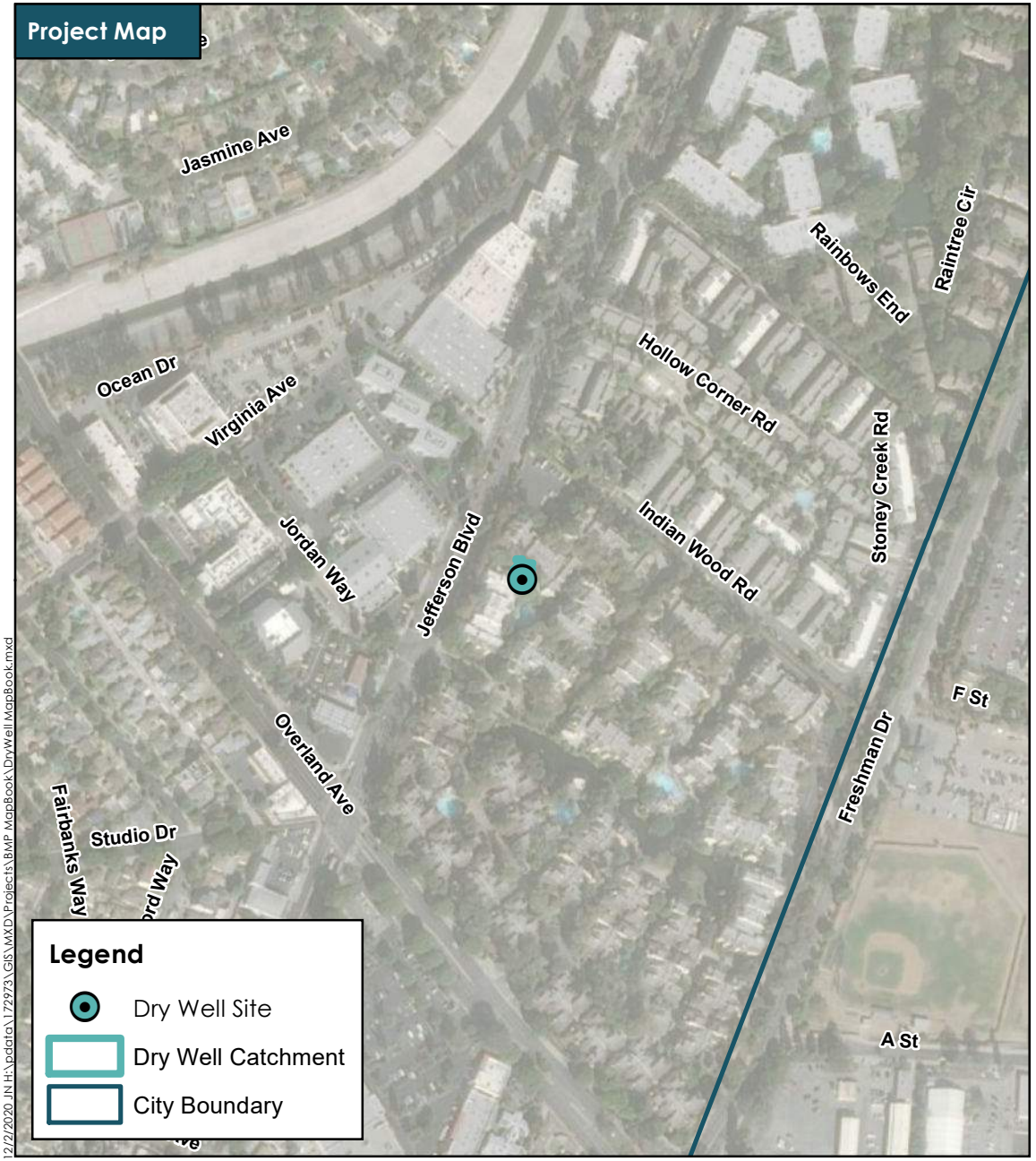
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

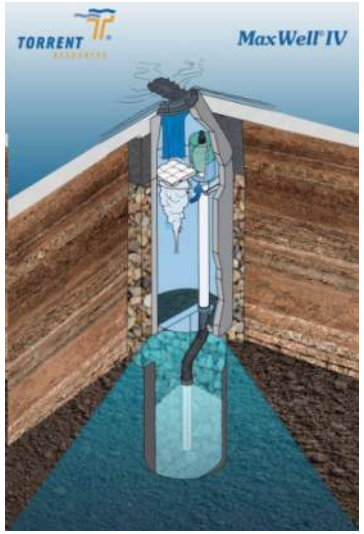
Dry Well Site: D101

Project Map



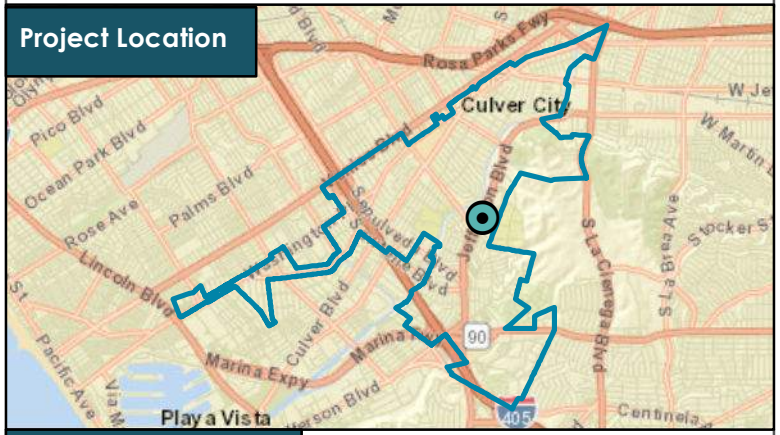
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0
Drainage Area (ac):		0.03
Depth to Groundwater:		38
EWMP Equivalent Volume (ac-ft):		0
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

0 200 400 Feet

Source: City of Culver City

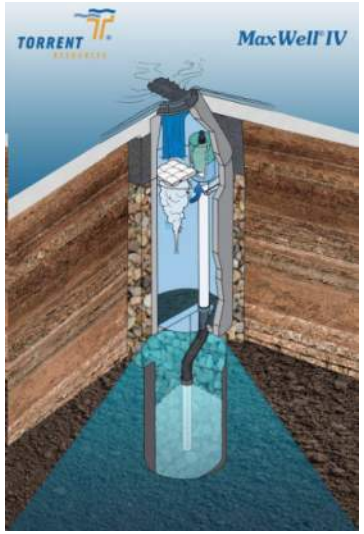
CULVER CITY STORMWATER QUALITY MASTER PLAN

Dry Well Site: D102

Project Map

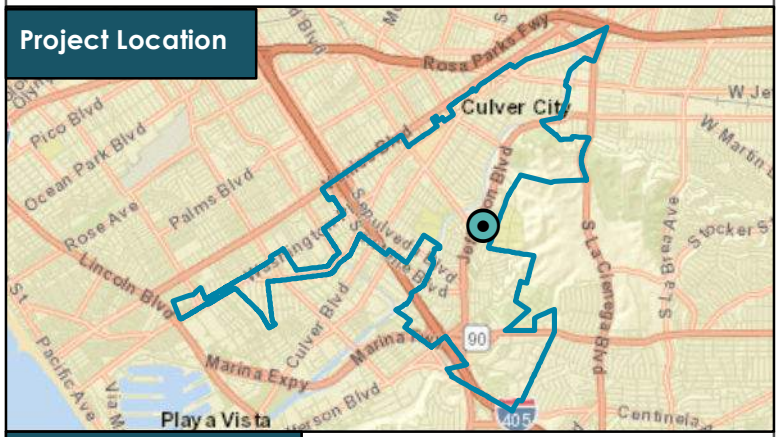
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0
Drainage Area (ac):		0.1
Depth to Groundwater:		36
EWMP Equivalent Volume (ac-ft):		0
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

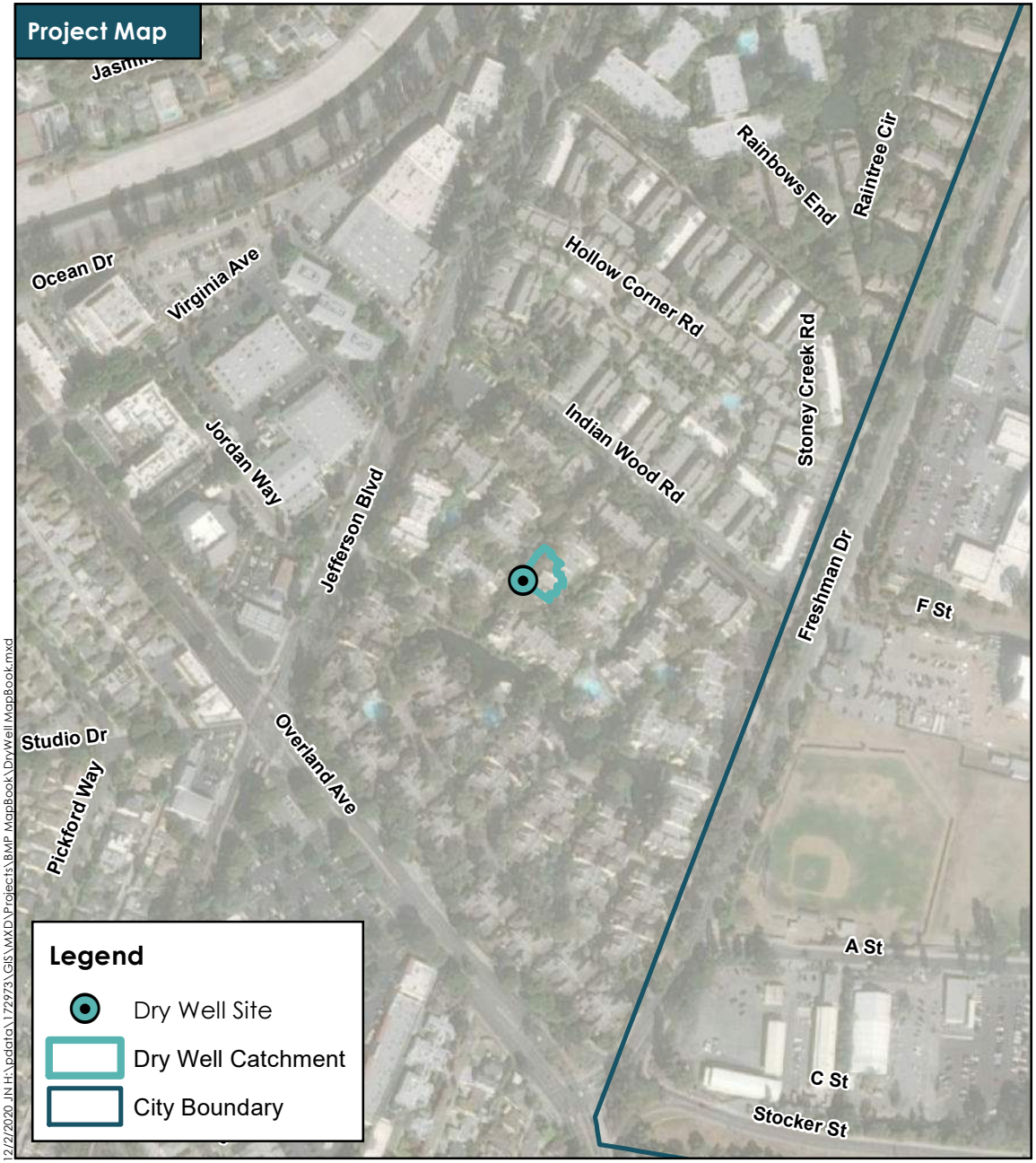
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

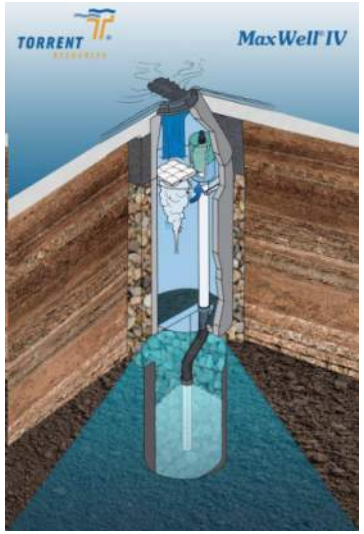
Dry Well Site: D103

Project Map



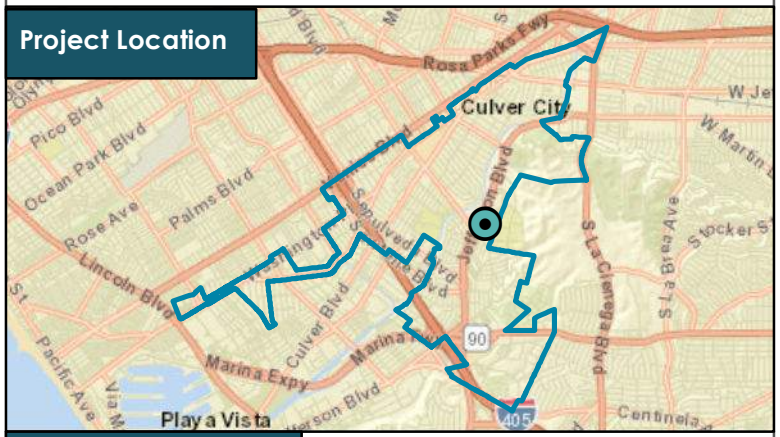
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.01
Drainage Area (ac):		0.15
Depth to Groundwater:		37
EWMP Equivalent Volume (ac-ft):		0.01
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

0 200 400 Feet

Source: City of Culver City

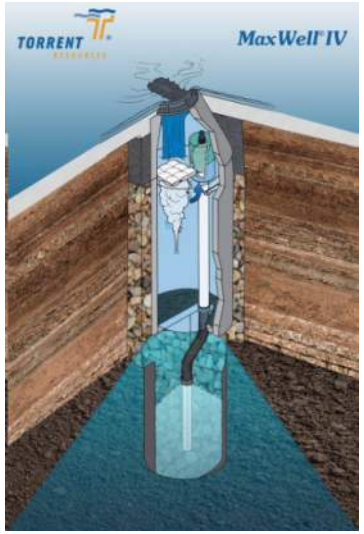
CULVER CITY STORMWATER QUALITY MASTER PLAN

Dry Well Site: D104

Project Map

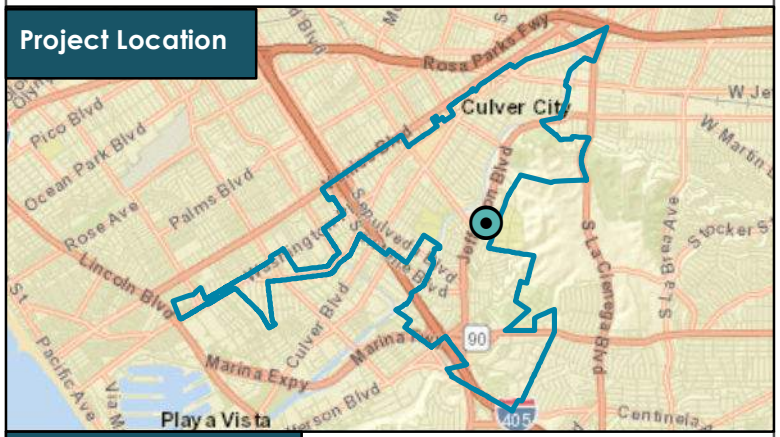
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0
Drainage Area (ac):		0.06
Depth to Groundwater:		40
EWMP Equivalent Volume (ac-ft):		0
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

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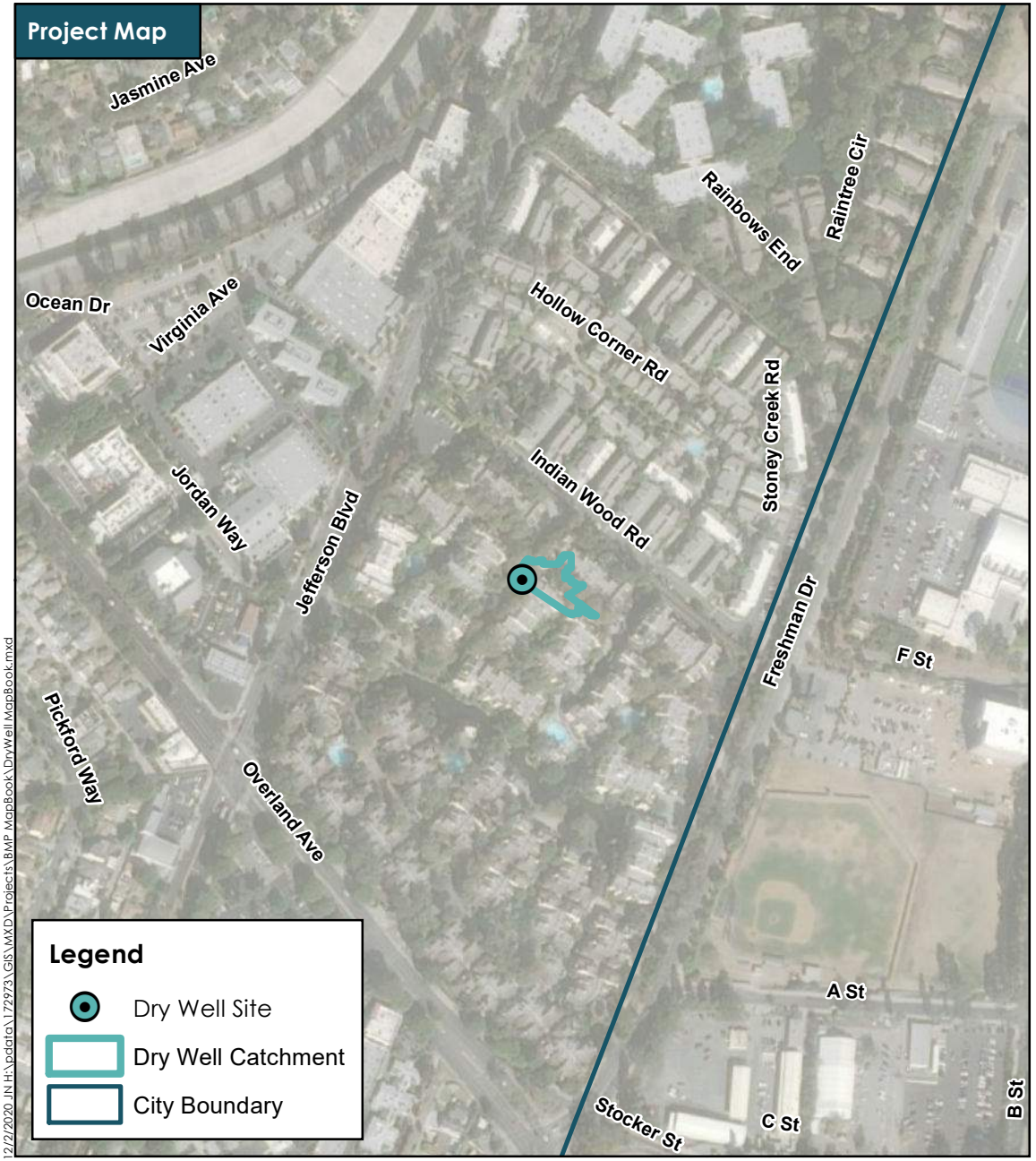
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

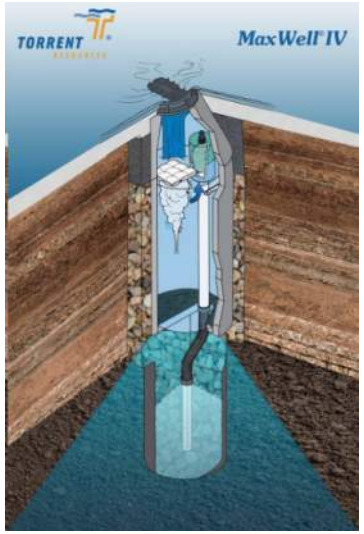
Dry Well Site: D105

Project Map



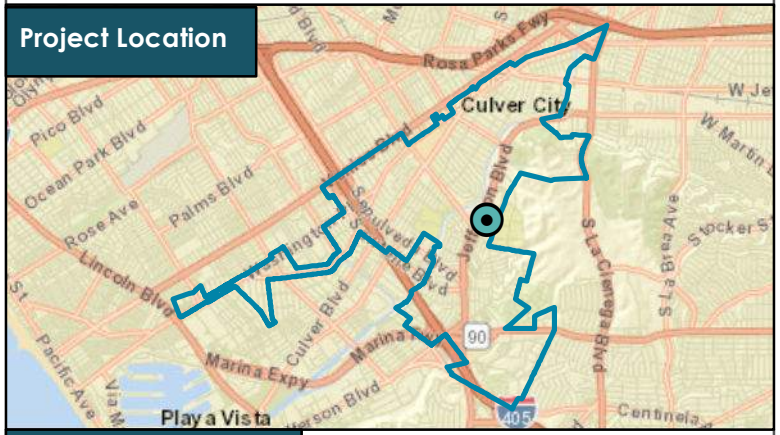
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.01
Drainage Area (ac):		0.25
Depth to Groundwater:		39
EWMP Equivalent Volume (ac-ft):		0.01
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

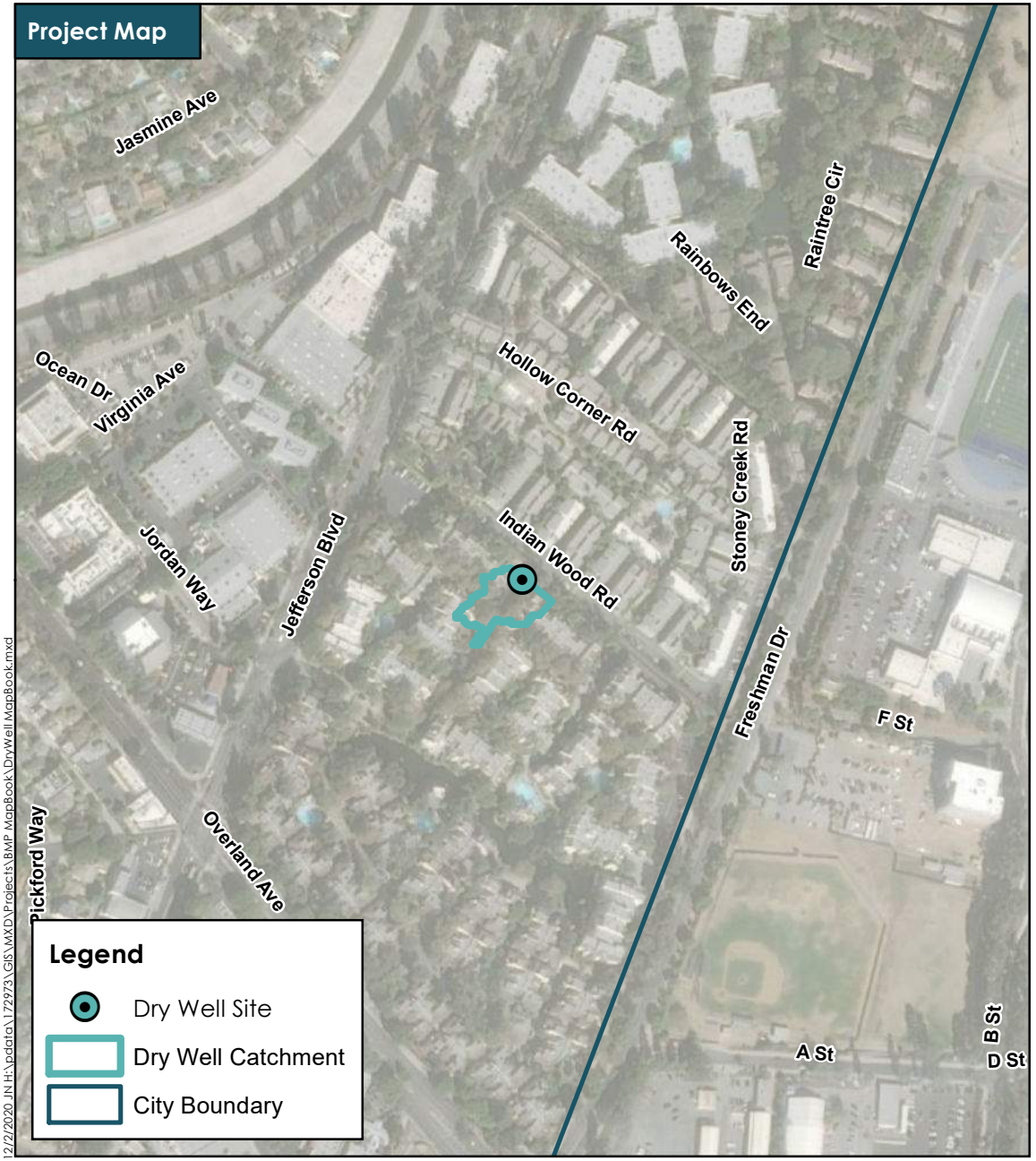
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

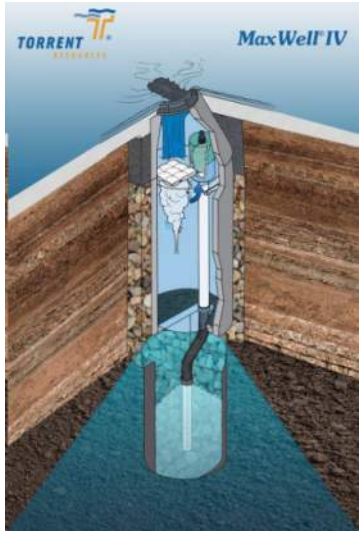
Dry Well Site: D106

Project Map



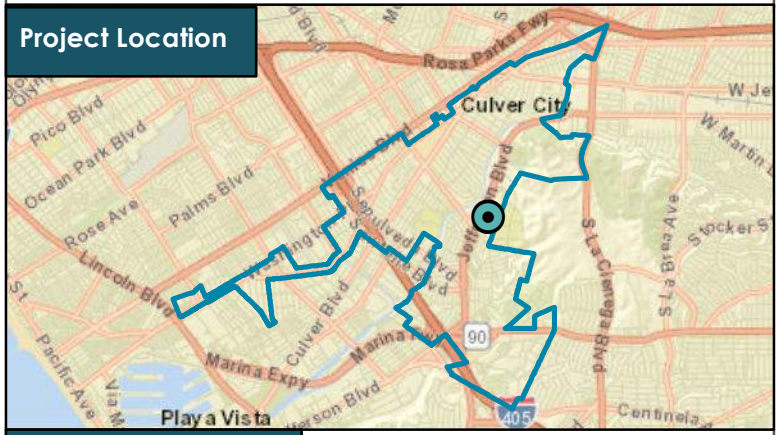
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.02
Drainage Area (ac):		0.42
Depth to Groundwater:		34
EWMP Equivalent Volume (ac-ft):		0.02
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

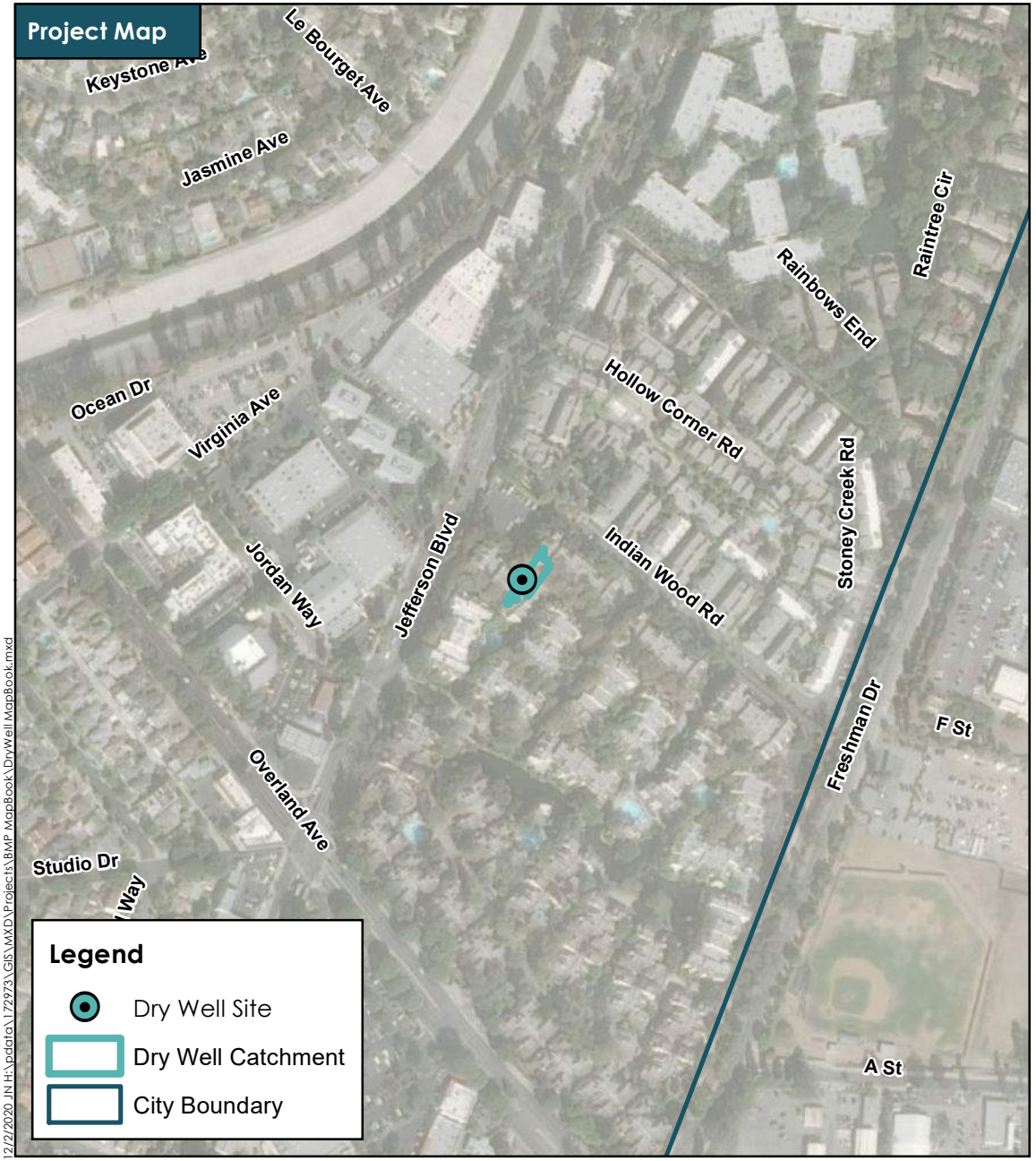
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

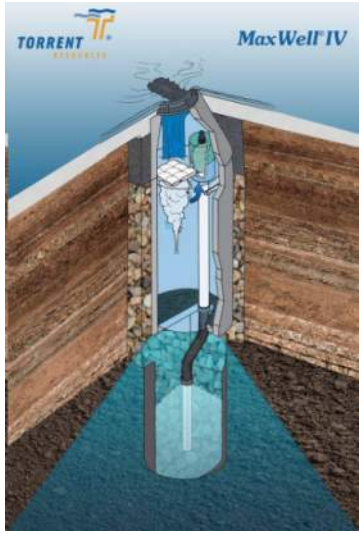
Dry Well Site: D107

Project Map



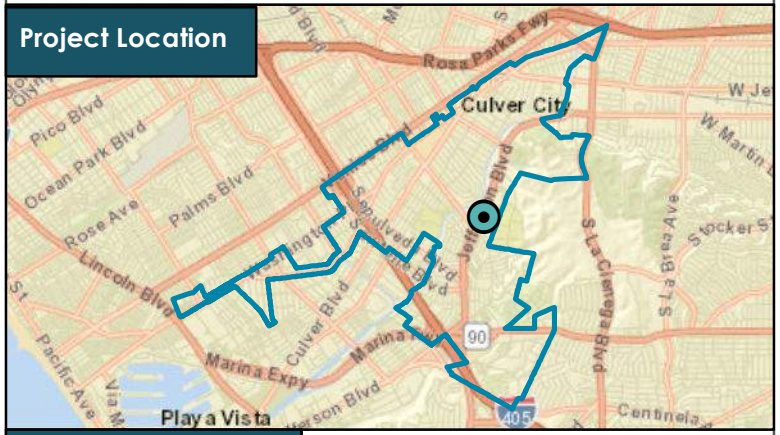
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0
Drainage Area (ac):		0.09
Depth to Groundwater:		40
EWMP Equivalent Volume (ac-ft):		0
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

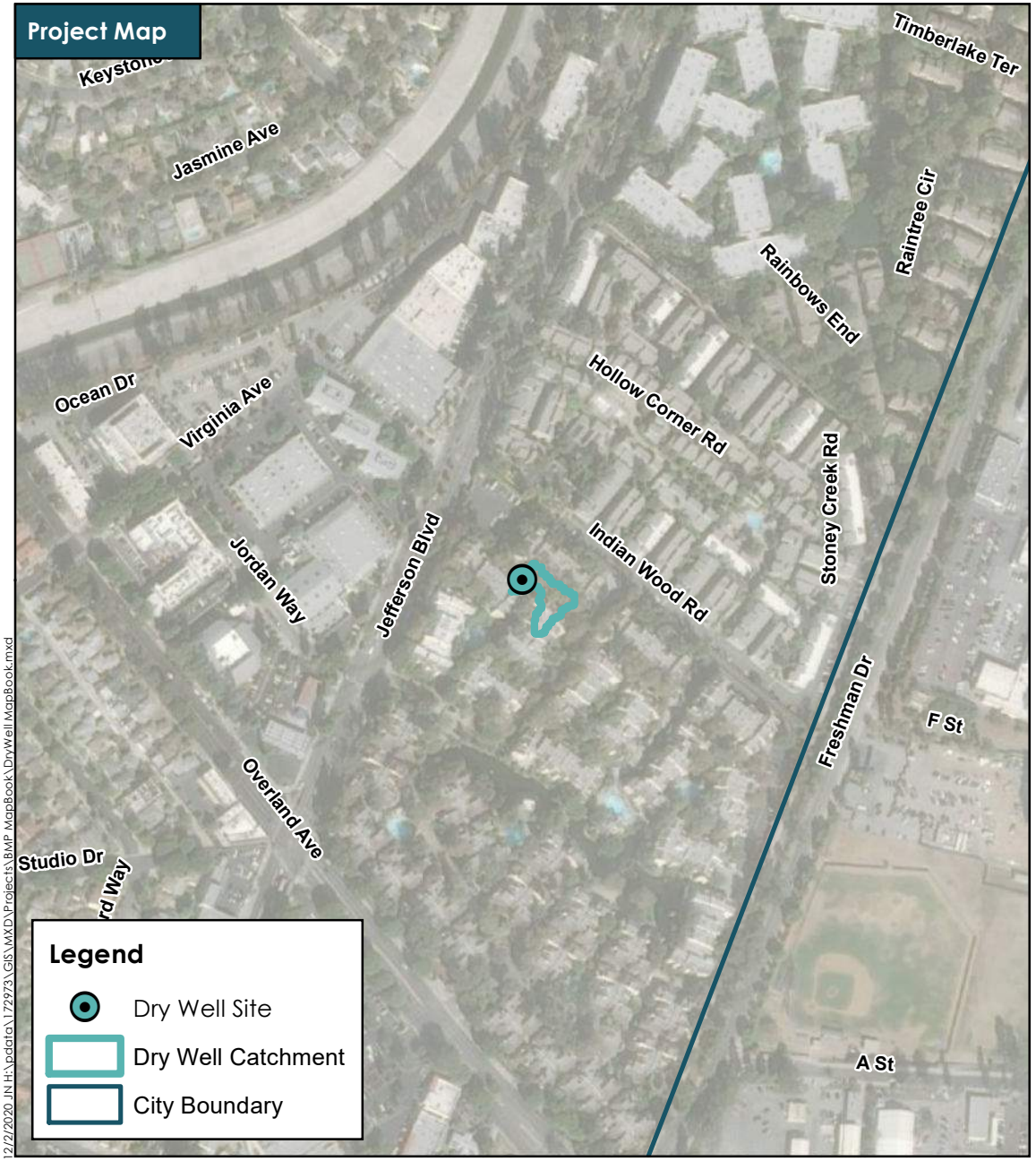
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

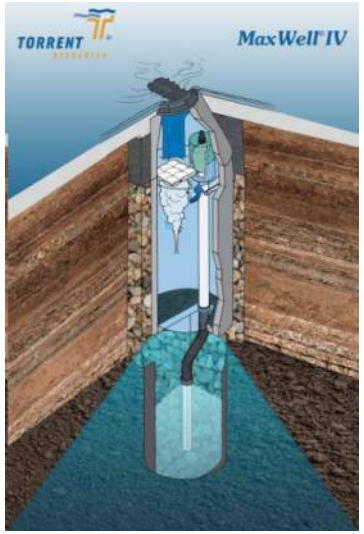
Dry Well Site: D108

Project Map



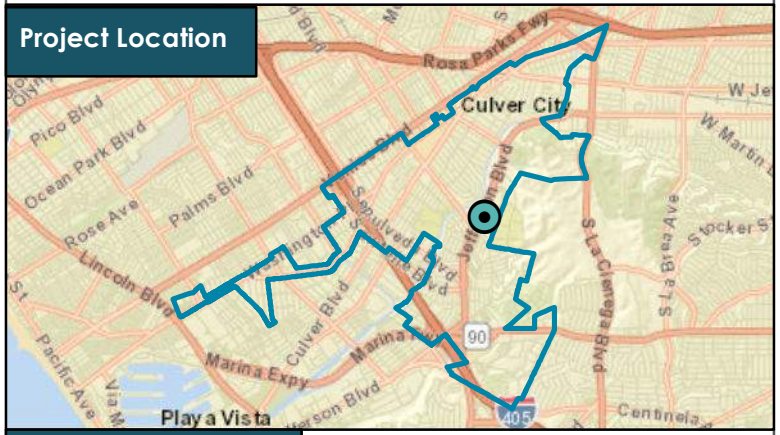
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.01
Drainage Area (ac):		0.21
Depth to Groundwater:		40
EWMP Equivalent Volume (ac-ft):		0.01
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

0 200 400 Feet

Source: City of Culver City

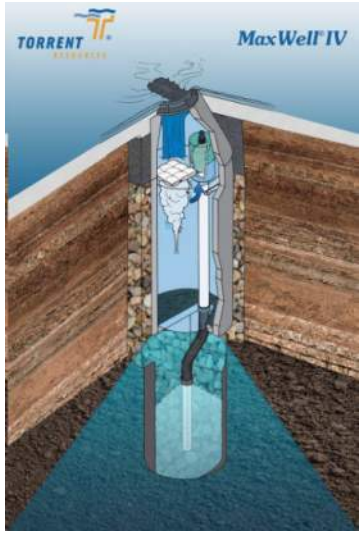
CULVER CITY STORMWATER QUALITY MASTER PLAN

Dry Well Site: D109

Project Map

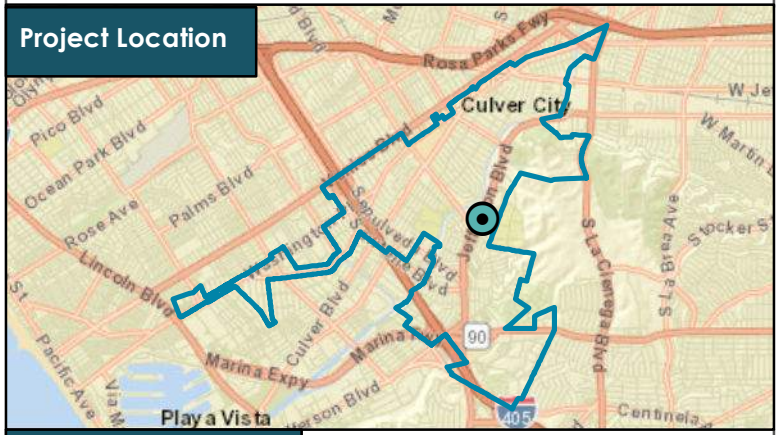
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.01
Drainage Area (ac):		0.31
Depth to Groundwater:		38
EWMP Equivalent Volume (ac-ft):		0.01
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

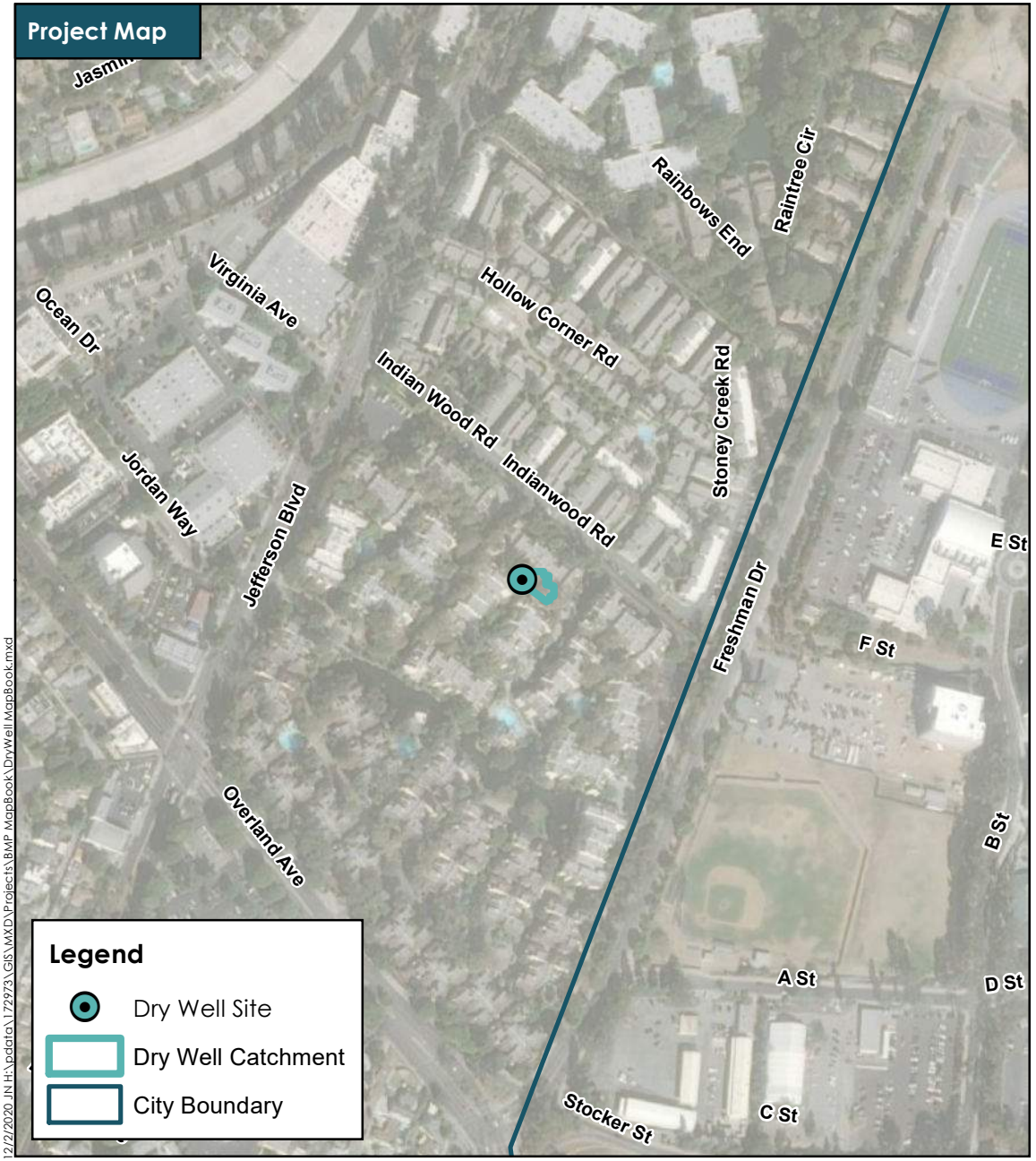
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

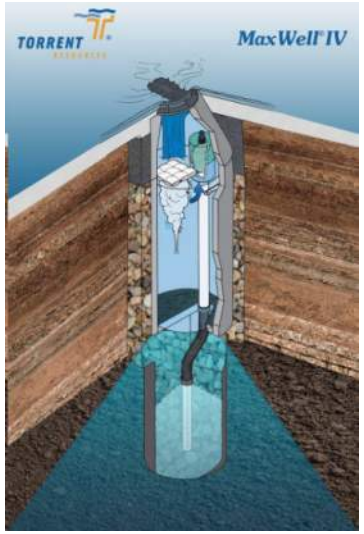
Dry Well Site: D110

Project Map



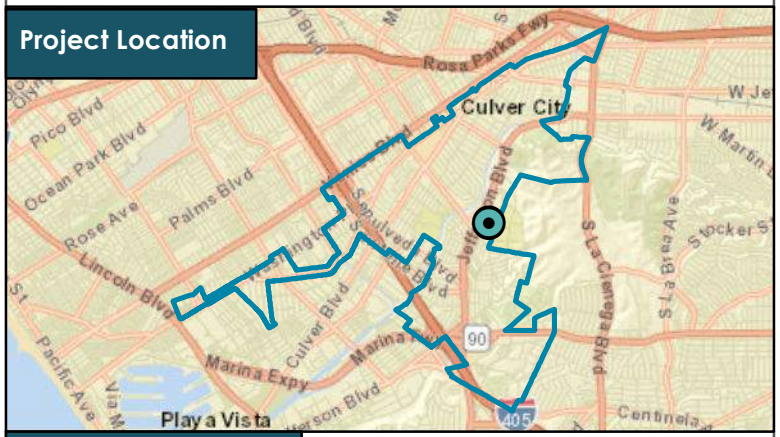
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0
Drainage Area (ac):		0.07
Depth to Groundwater:		40
EWMP Equivalent Volume (ac-ft):		0
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

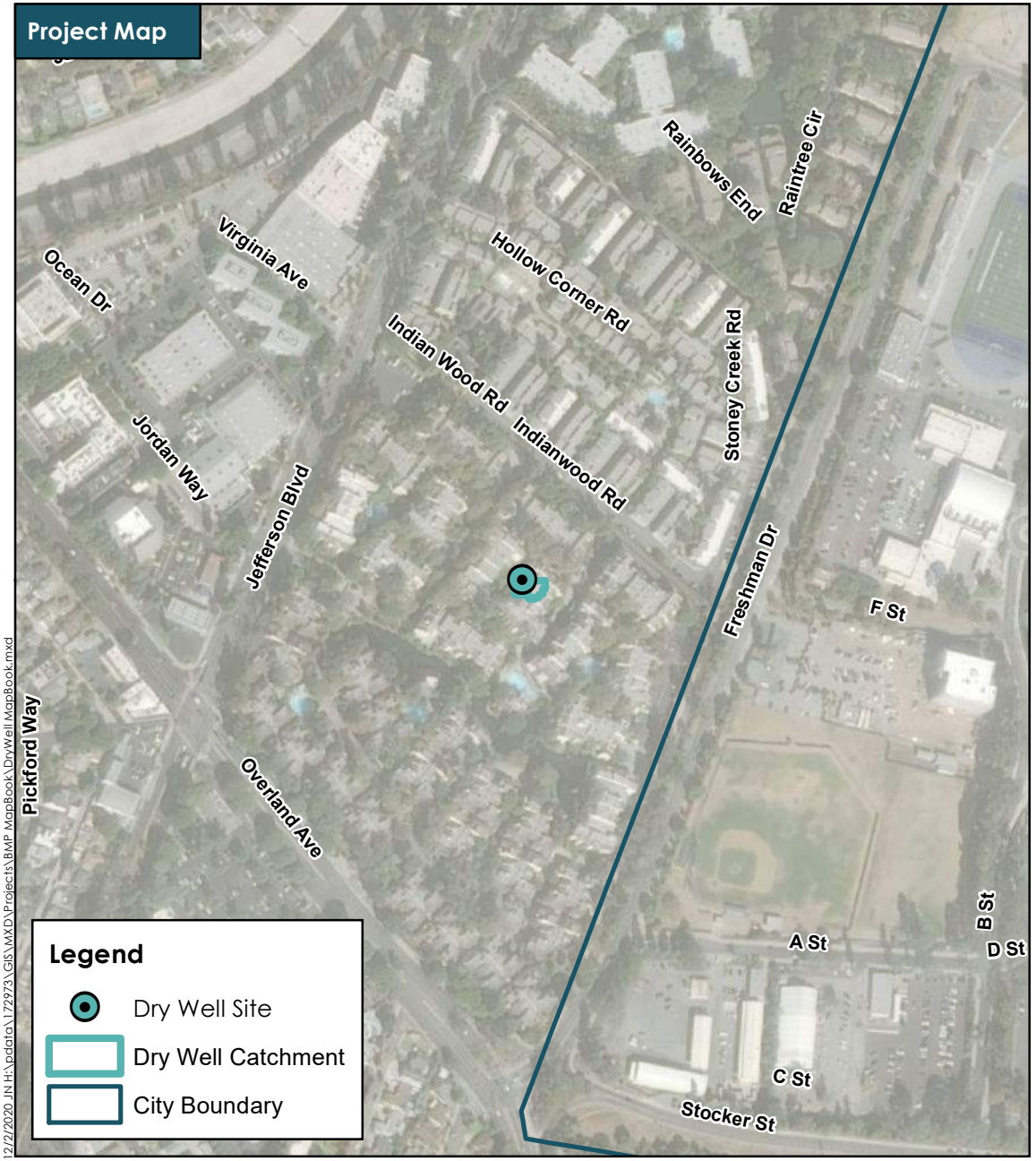
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

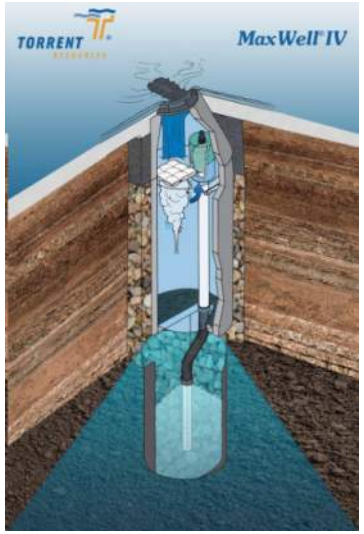
Dry Well Site: D112

Project Map



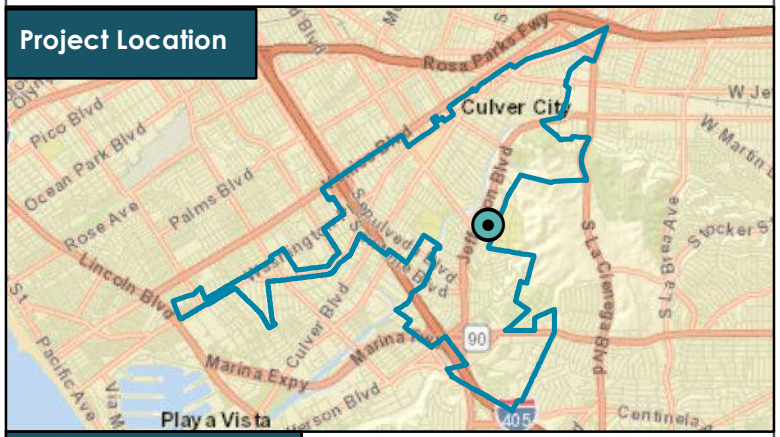
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0
Drainage Area (ac):		0.05
Depth to Groundwater:		39
EWMP Equivalent Volume (ac-ft):		0
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

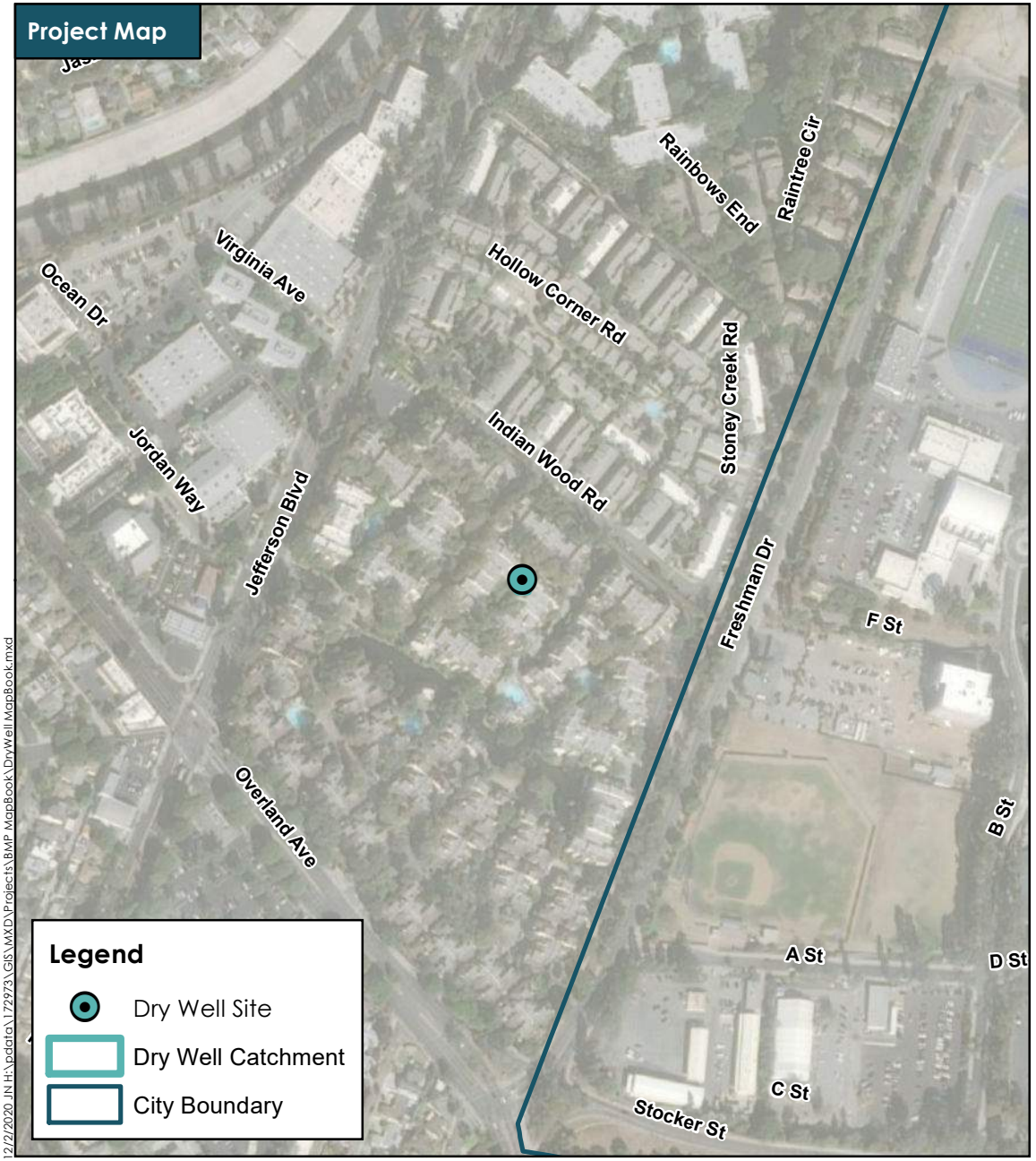
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

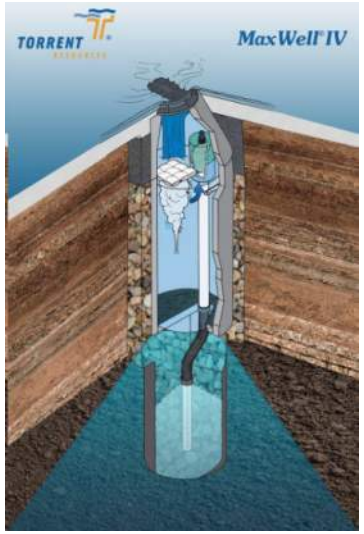
Dry Well Site: D113

Project Map



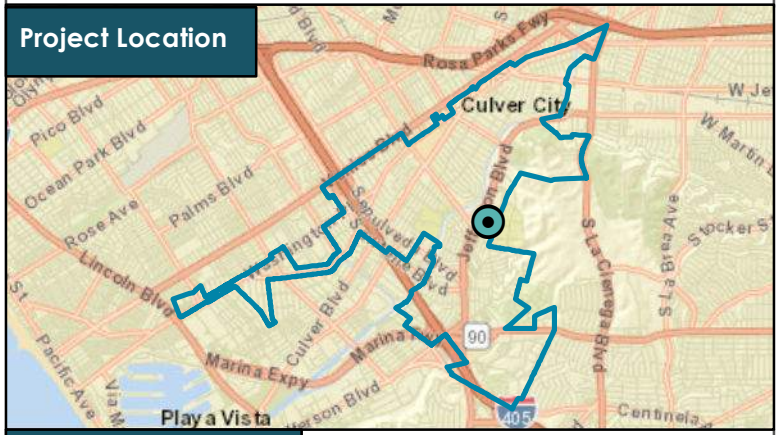
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0
Drainage Area (ac):		0.01
Depth to Groundwater:		40
EWMP Equivalent Volume (ac-ft):		0
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

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Michael Baker INTERNATIONAL

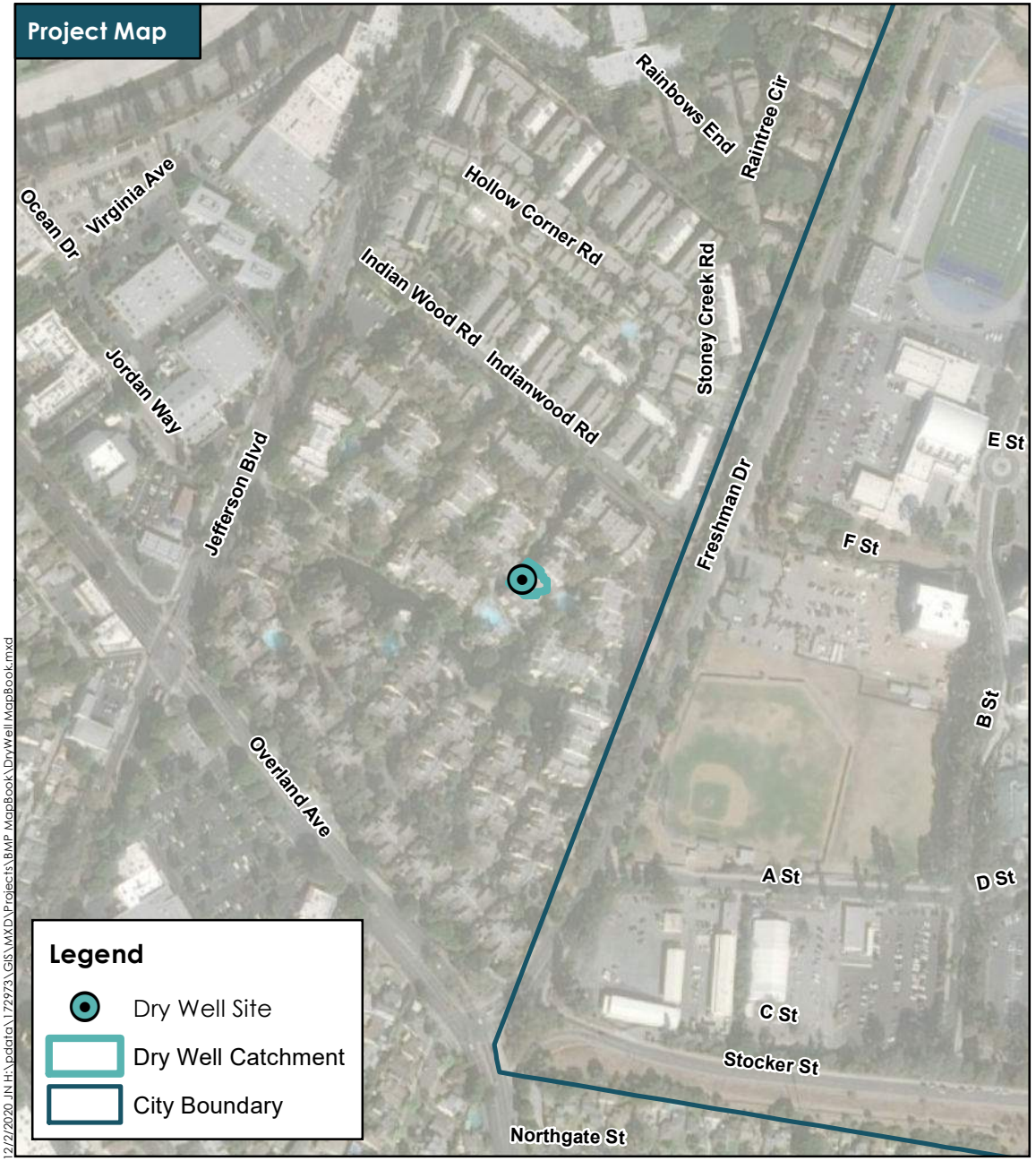
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Dry Well Site: D114

Project Map



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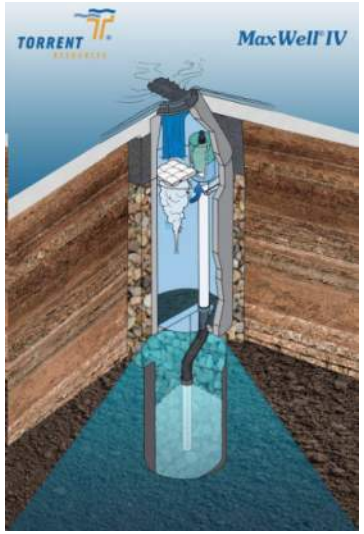
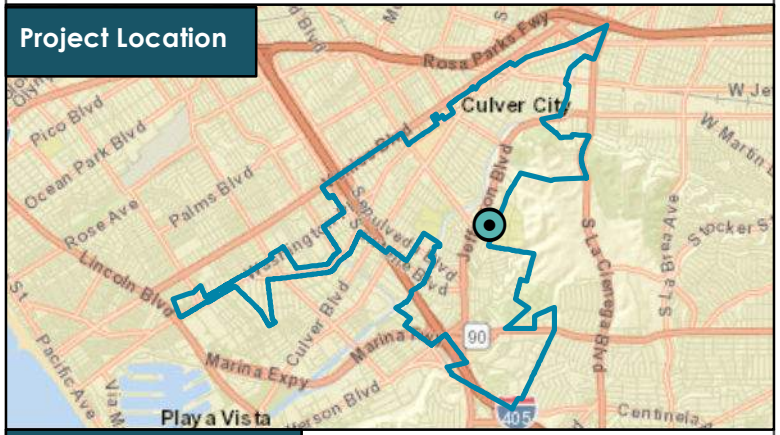
Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.01
Drainage Area (ac):		0.1
Depth to Groundwater:		41
EWMP Equivalent Volume (ac-ft):		0.01
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

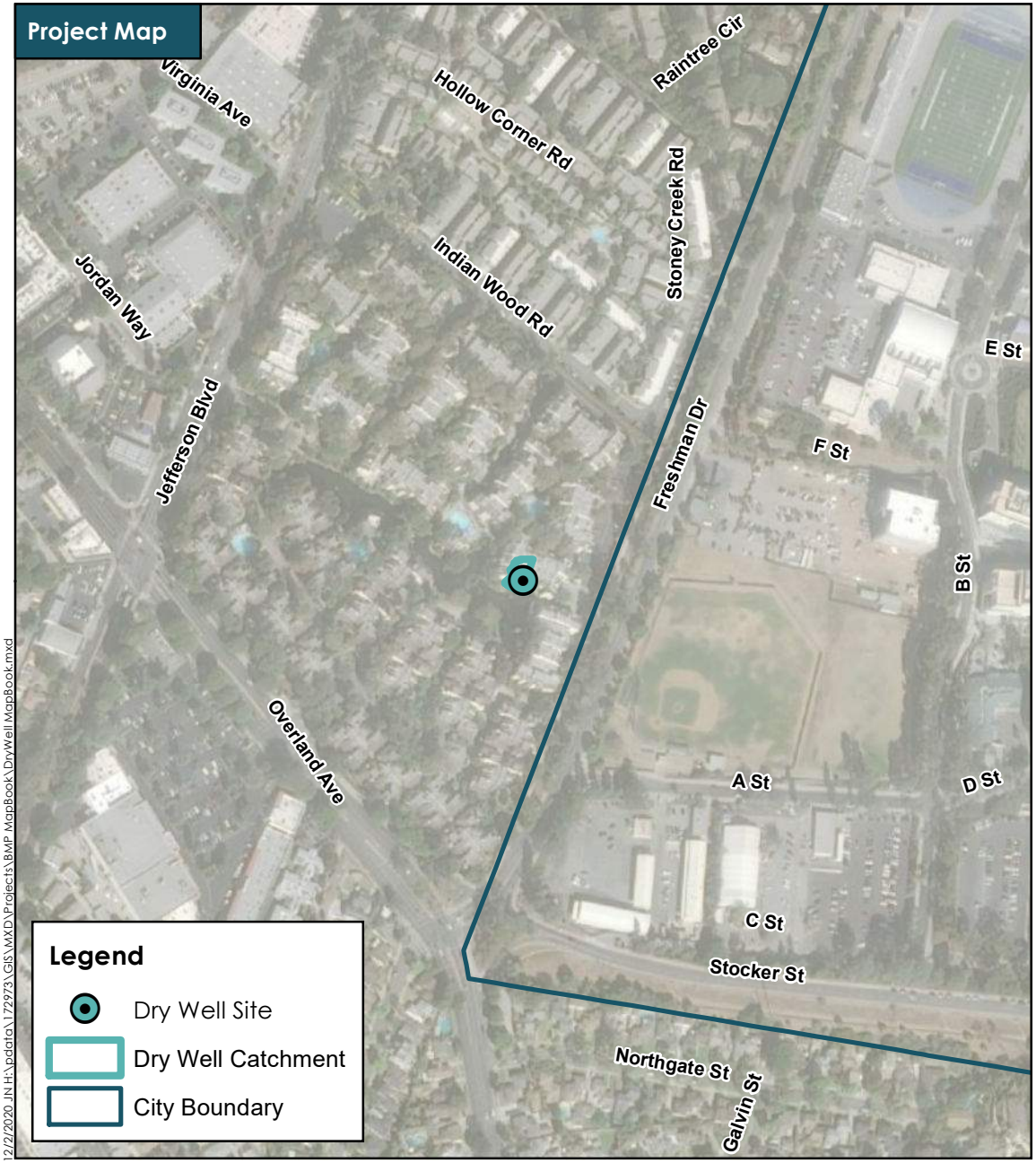
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

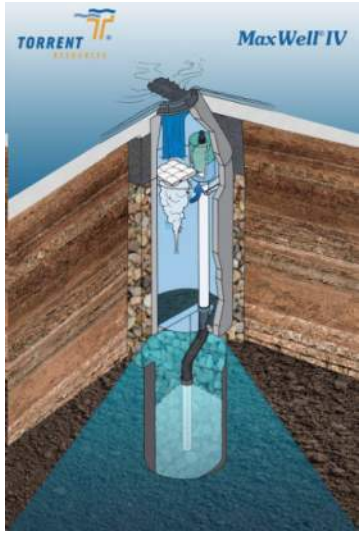
Dry Well Site: D115

Project Map



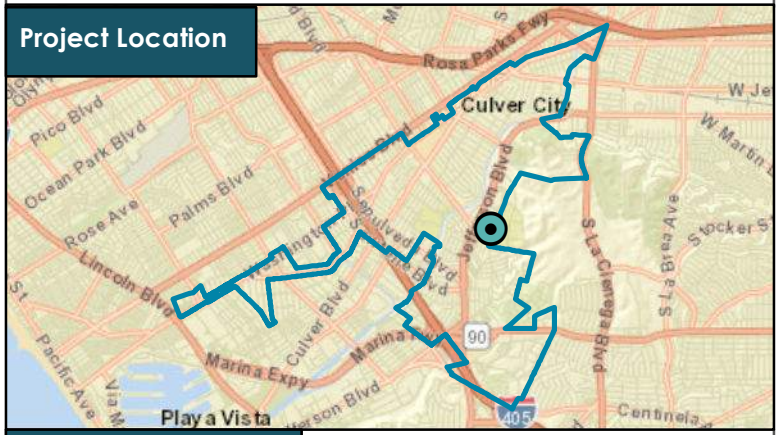
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0
Drainage Area (ac):		0.06
Depth to Groundwater:		40
EWMP Equivalent Volume (ac-ft):		0
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

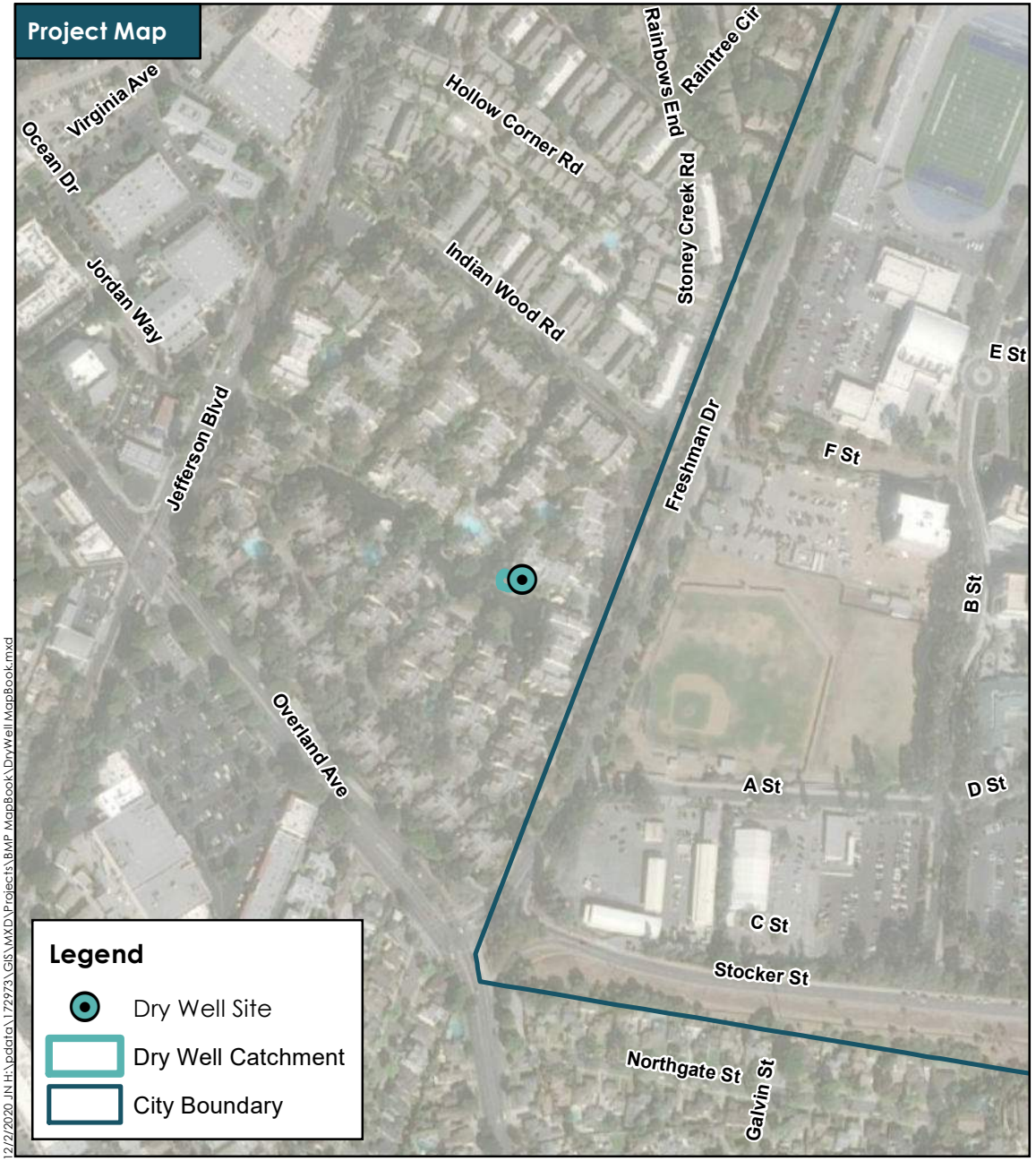
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

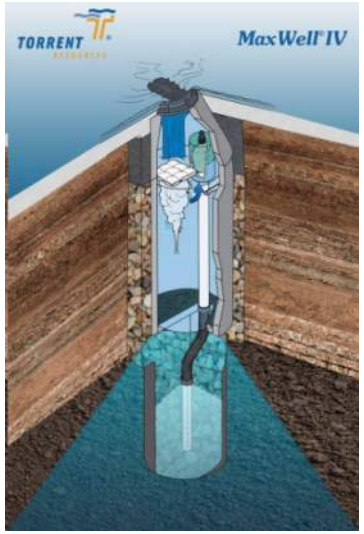
Dry Well Site: D116

Project Map



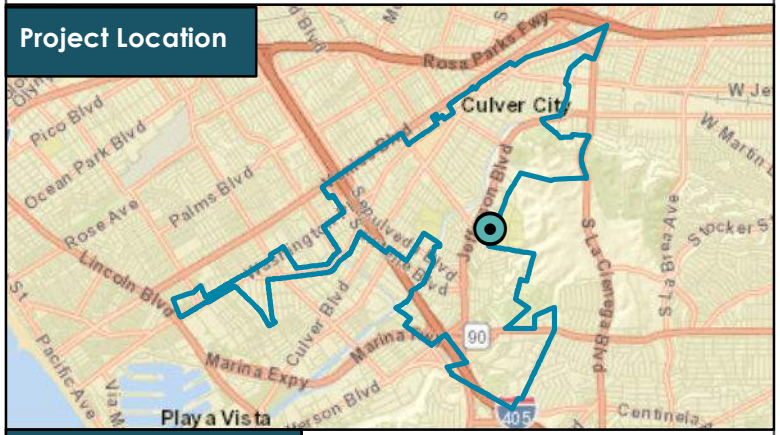
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0
Drainage Area (ac):		0.03
Depth to Groundwater:		41
EWMP Equivalent Volume (ac-ft):		0
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

0 200 400 Feet

Source: City of Culver City

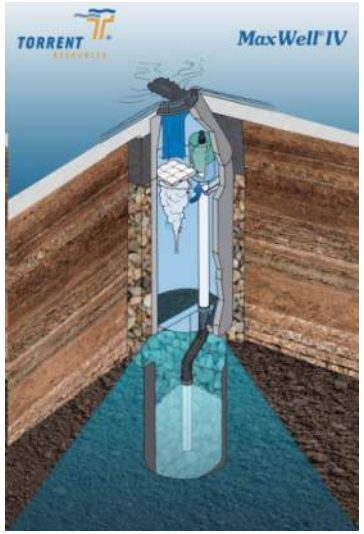
CULVER CITY STORMWATER QUALITY MASTER PLAN

Dry Well Site: D117

Project Map

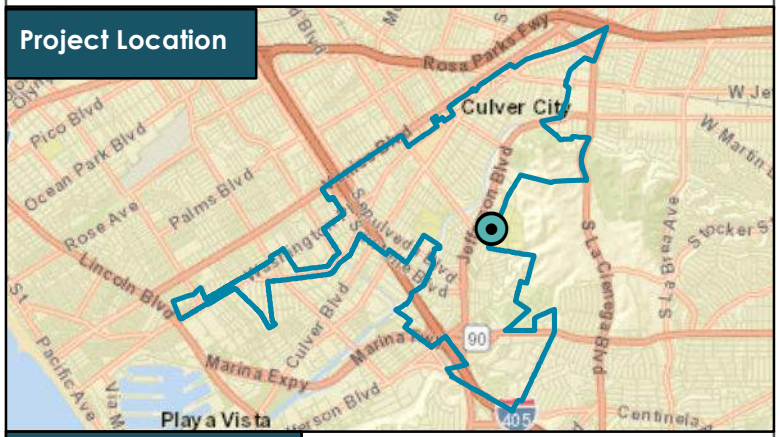
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.02
Drainage Area (ac):		0.49
Depth to Groundwater:		39
EWMP Equivalent Volume (ac-ft):		0.02
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

0 200 400 Feet

Source: City of Culver City

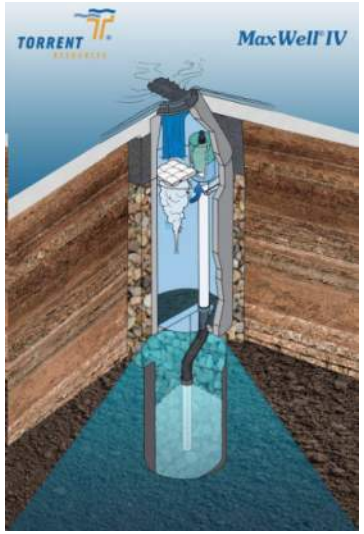
CULVER CITY STORMWATER QUALITY MASTER PLAN

Dry Well Site: D118

Project Map

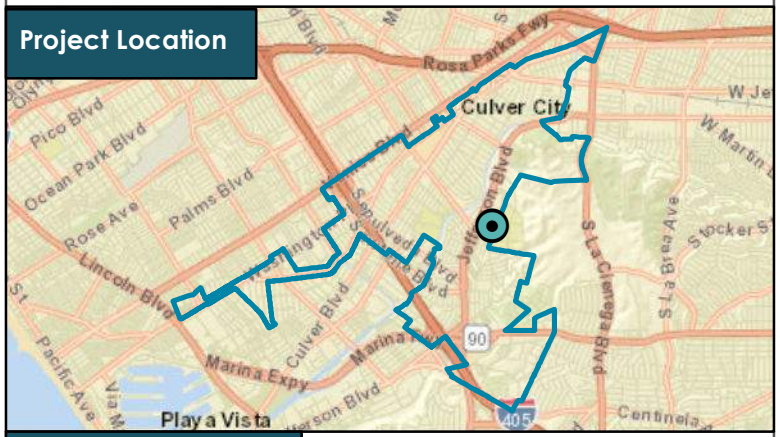
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.01
Drainage Area (ac):		0.14
Depth to Groundwater:		39
EWMP Equivalent Volume (ac-ft):		0.01
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

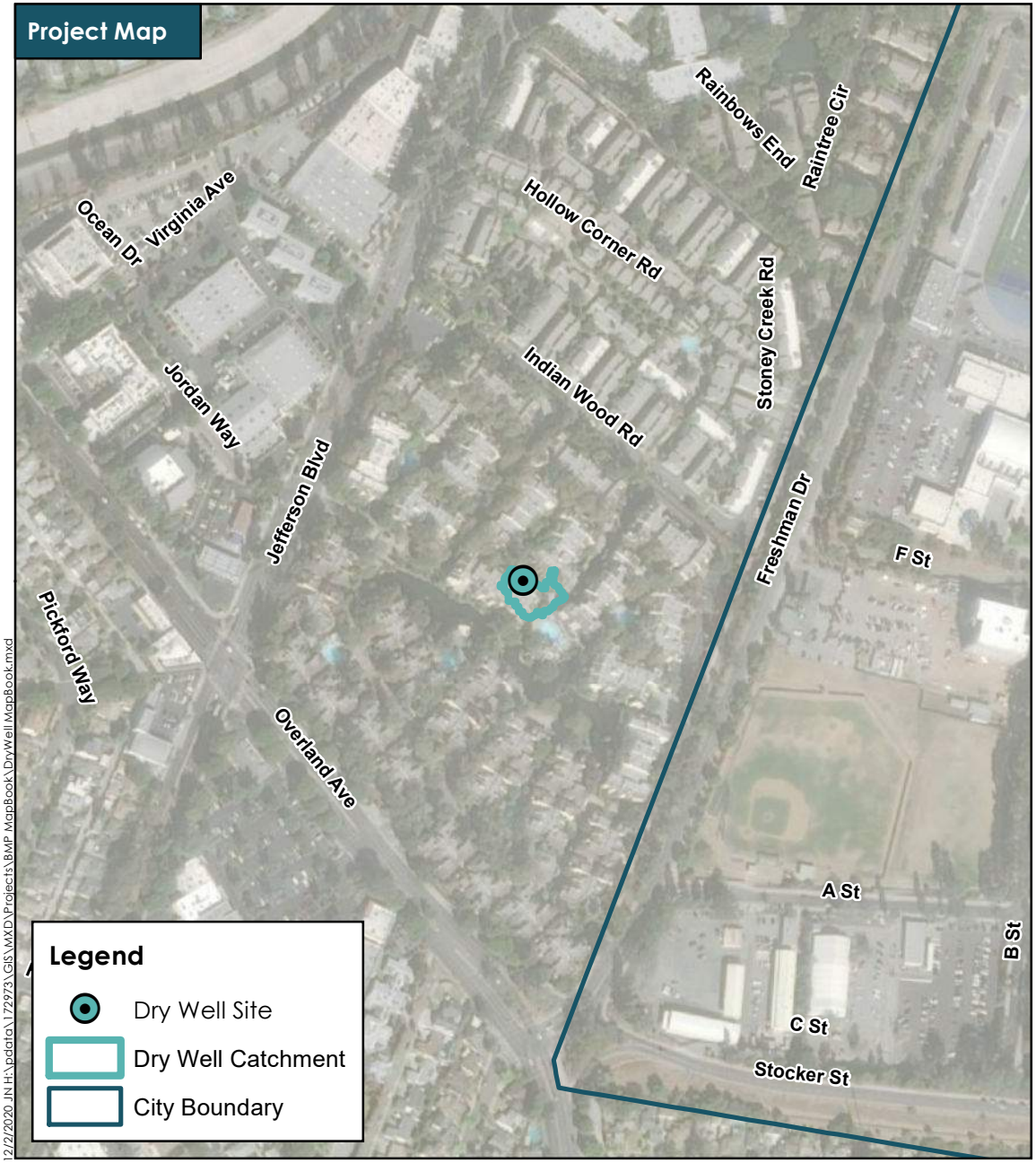
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

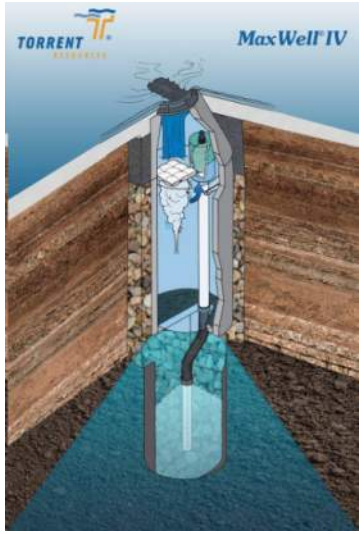
Dry Well Site: D119

Project Map



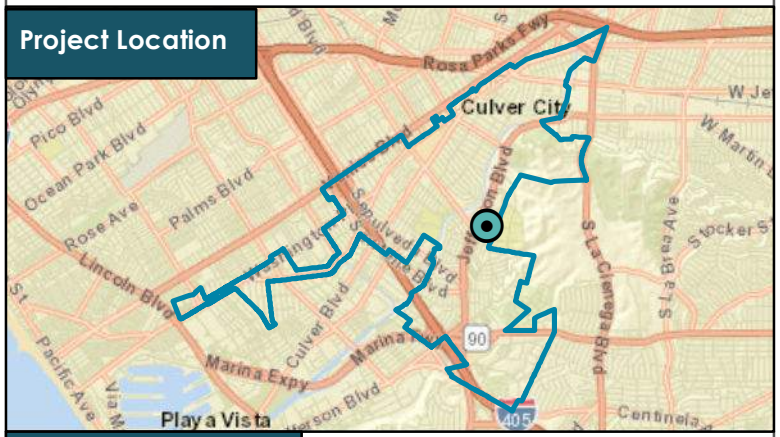
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.01
Drainage Area (ac):		0.21
Depth to Groundwater:		39
EWMP Equivalent Volume (ac-ft):		0.01
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

0 200 400 Feet

Source: City of Culver City

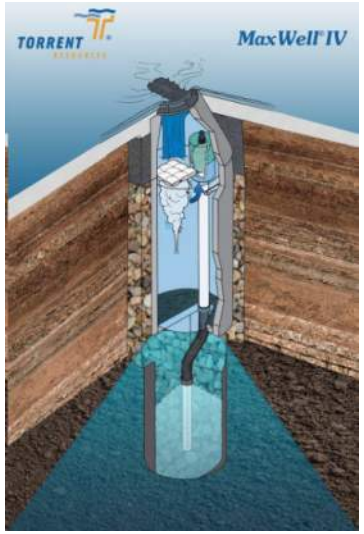
CULVER CITY STORMWATER QUALITY MASTER PLAN

Dry Well Site: D120

Project Map

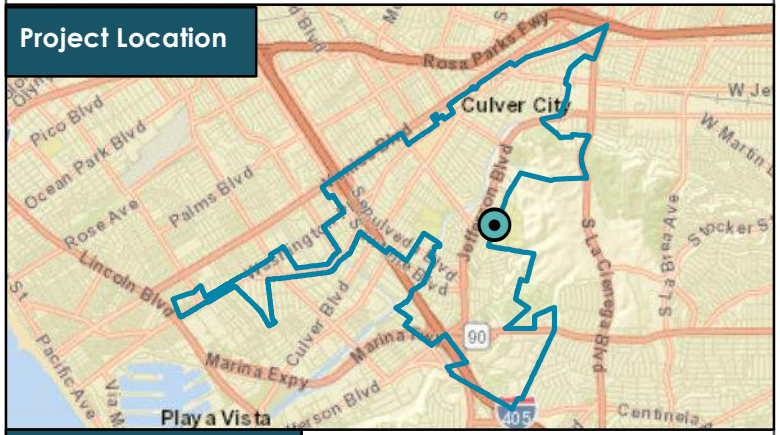
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.01
Drainage Area (ac):		0.16
Depth to Groundwater:		35
EWMP Equivalent Volume (ac-ft):		0.01
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

0 200 400 Feet

Source: City of Culver City

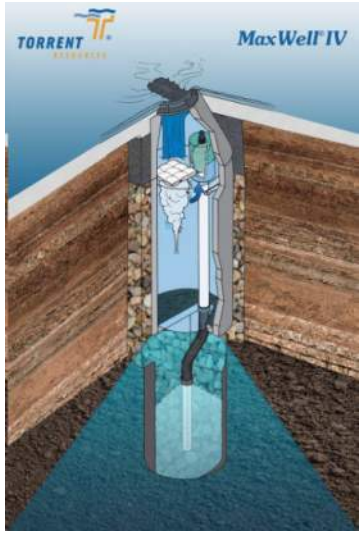
CULVER CITY STORMWATER QUALITY MASTER PLAN

Dry Well Site: D121

Project Map

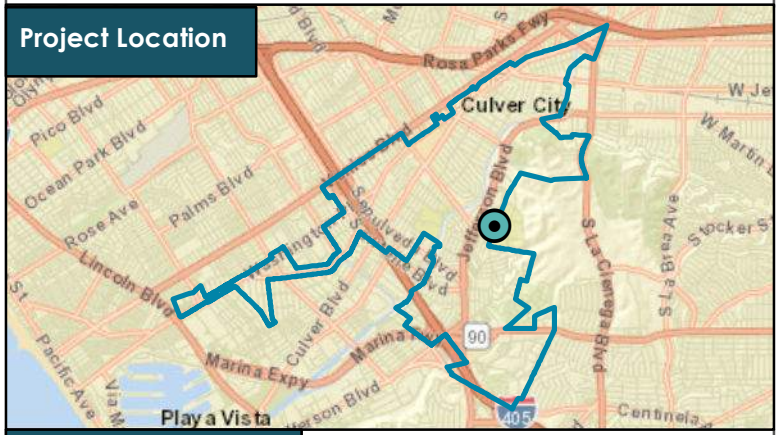
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0
Drainage Area (ac):		0.05
Depth to Groundwater:		33
EWMP Equivalent Volume (ac-ft):		0
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

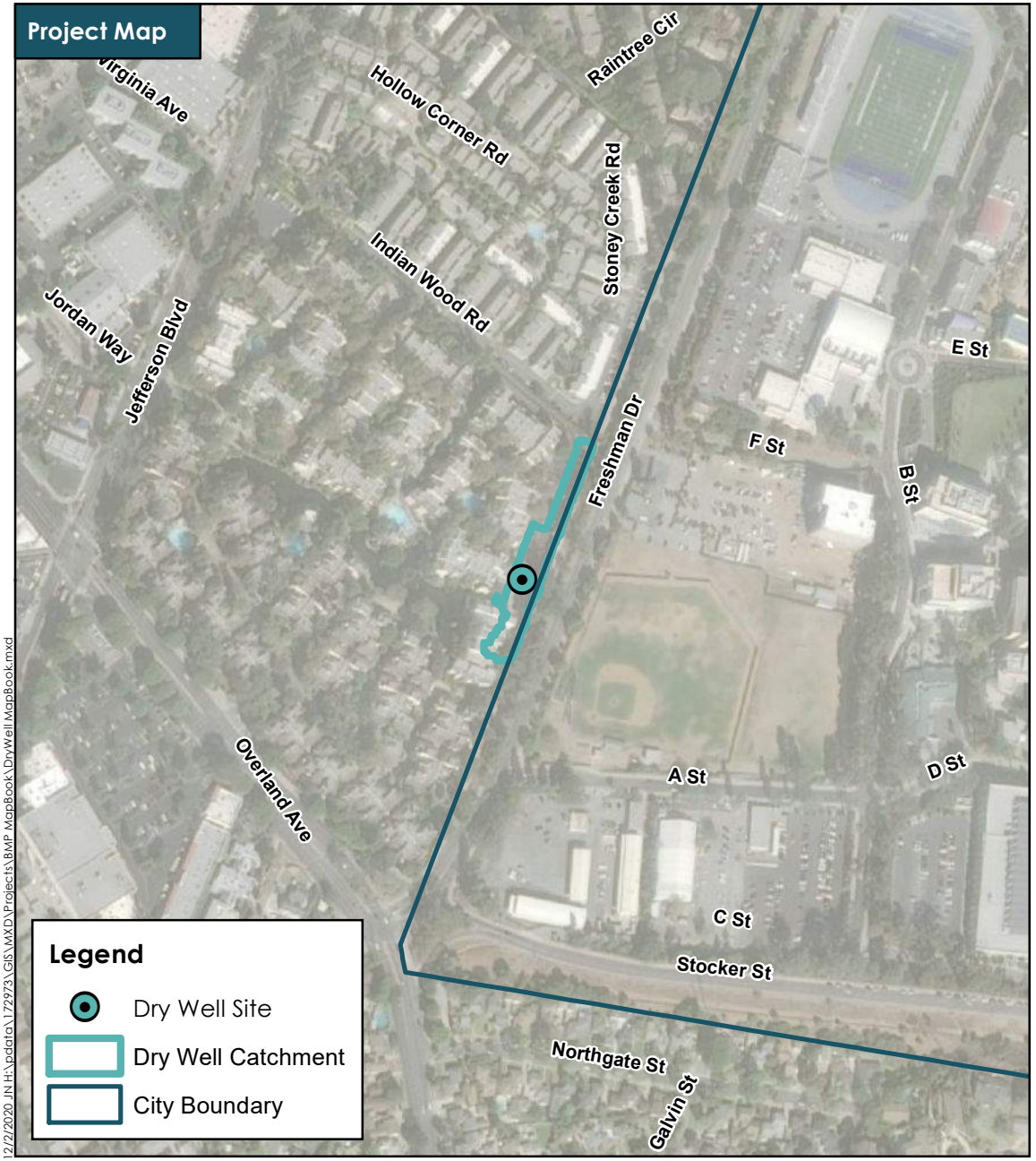
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

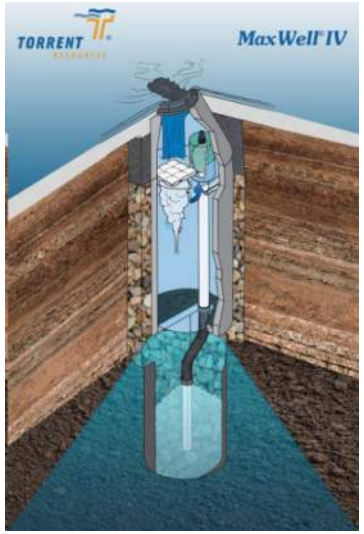
Dry Well Site: D122

Project Map



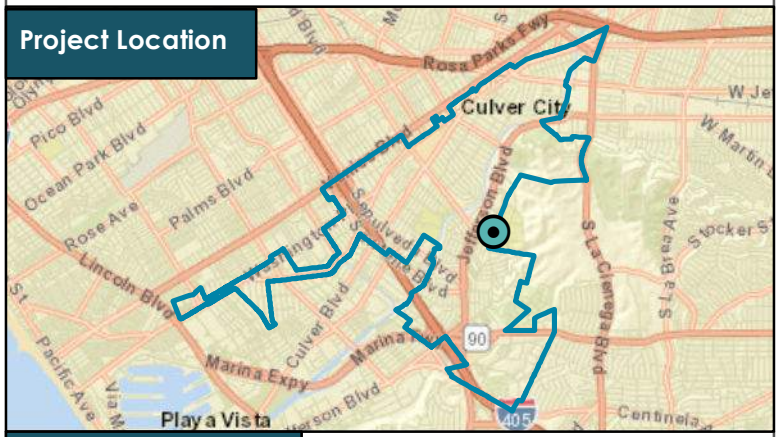
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.03
Drainage Area (ac):		0.63
Depth to Groundwater:		33
EWMP Equivalent Volume (ac-ft):		0.03
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

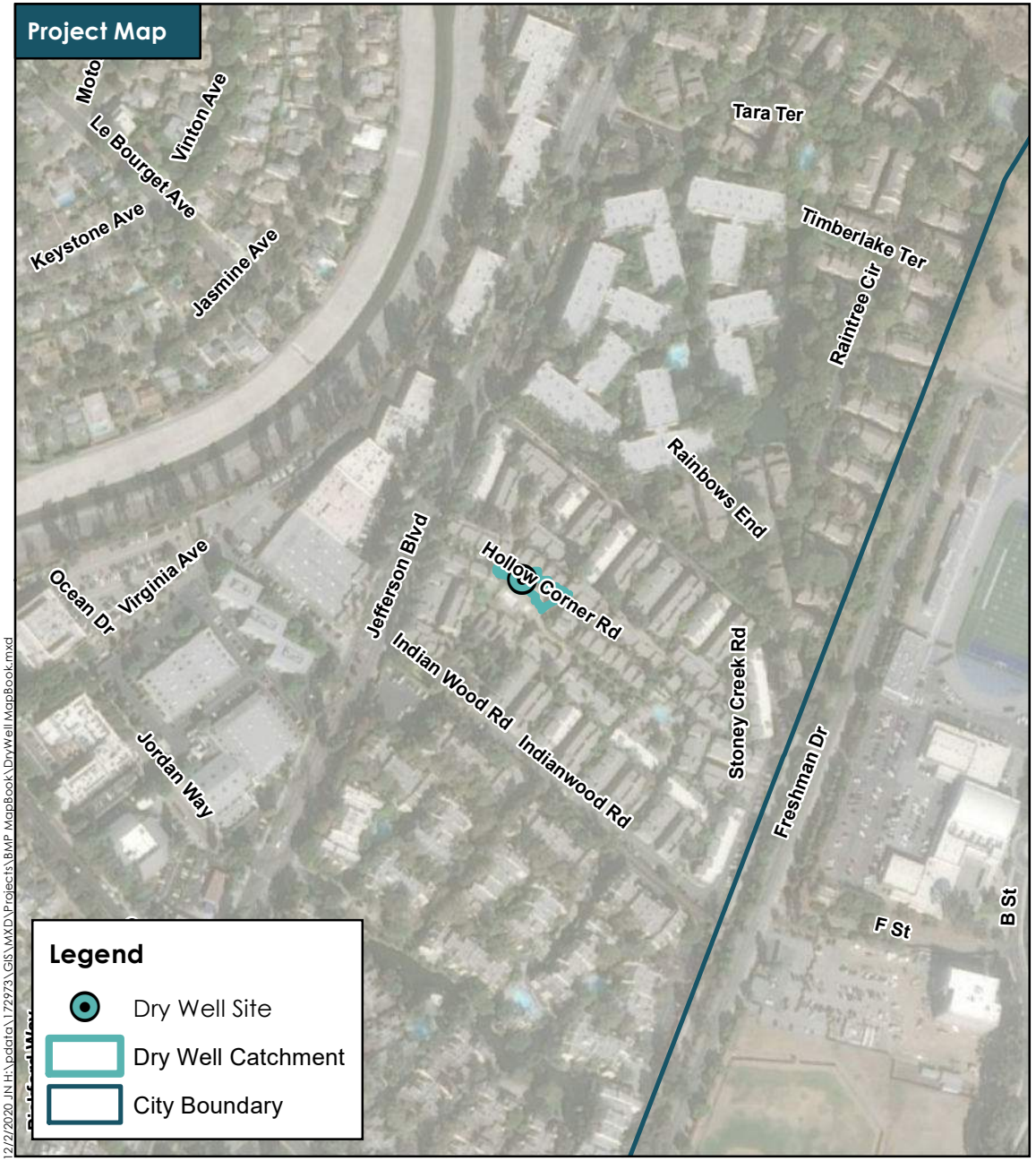
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

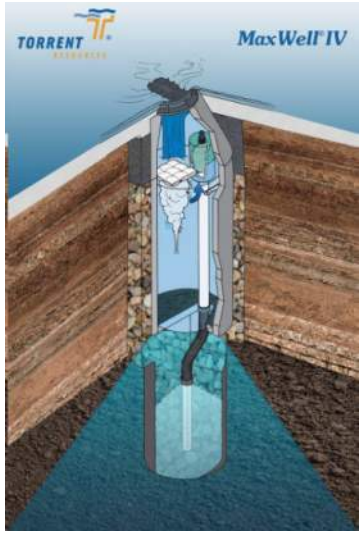
Dry Well Site: D123

Project Map



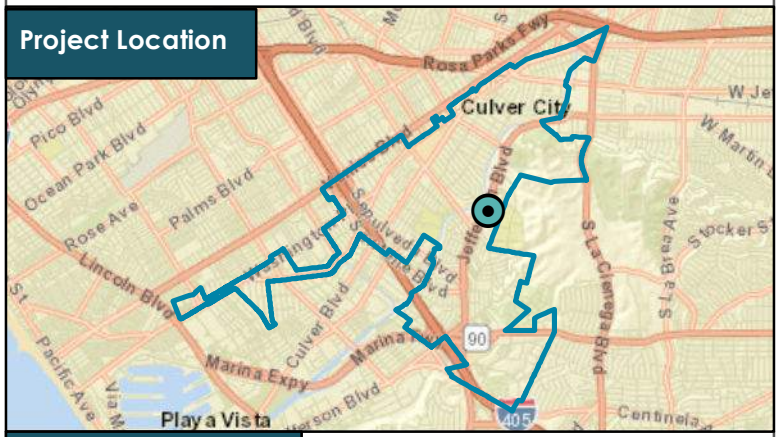
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.01
Drainage Area (ac):		0.12
Depth to Groundwater:		39
EWMP Equivalent Volume (ac-ft):		0.01
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

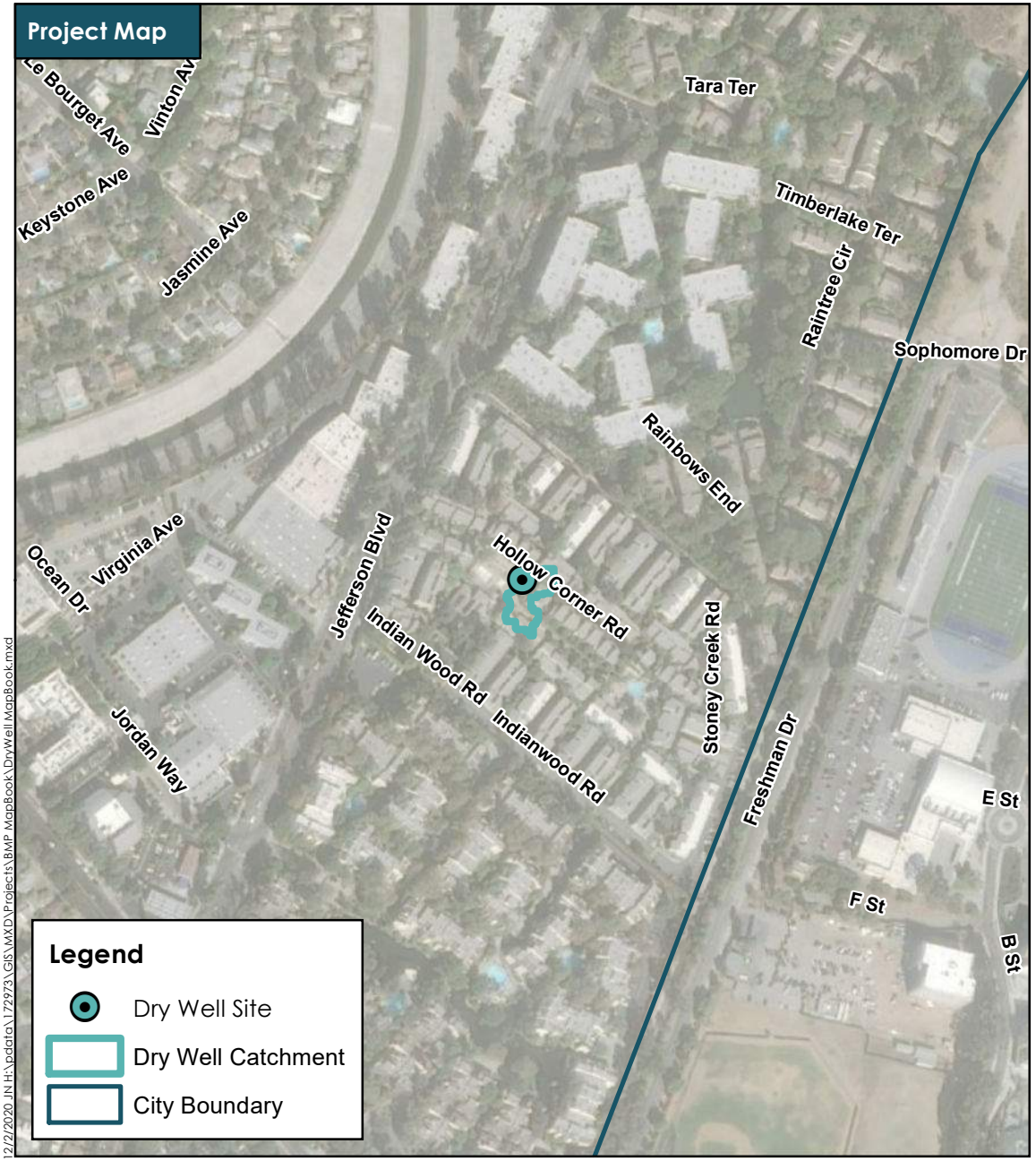
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

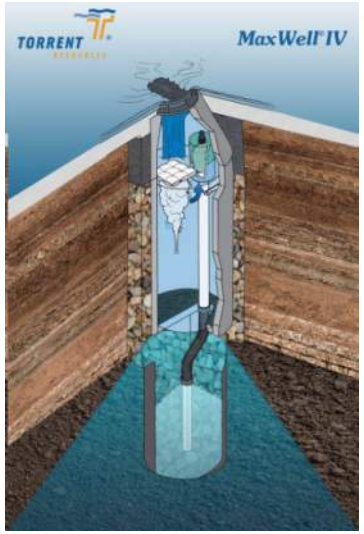
Dry Well Site: D124

Project Map



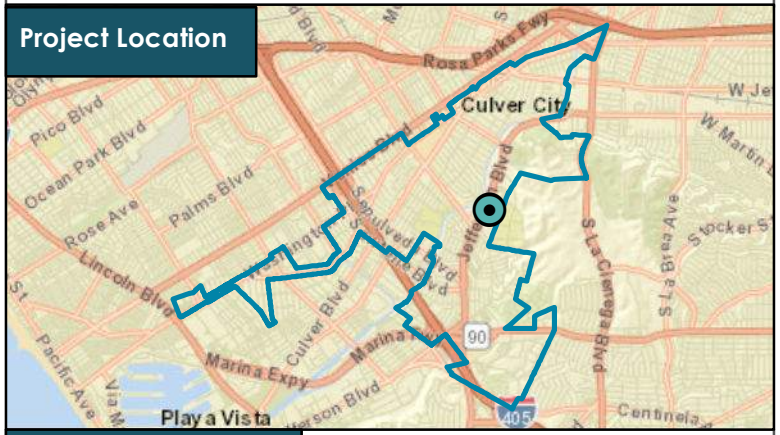
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.01
Drainage Area (ac):		0.21
Depth to Groundwater:		39
EWMP Equivalent Volume (ac-ft):		0.01
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

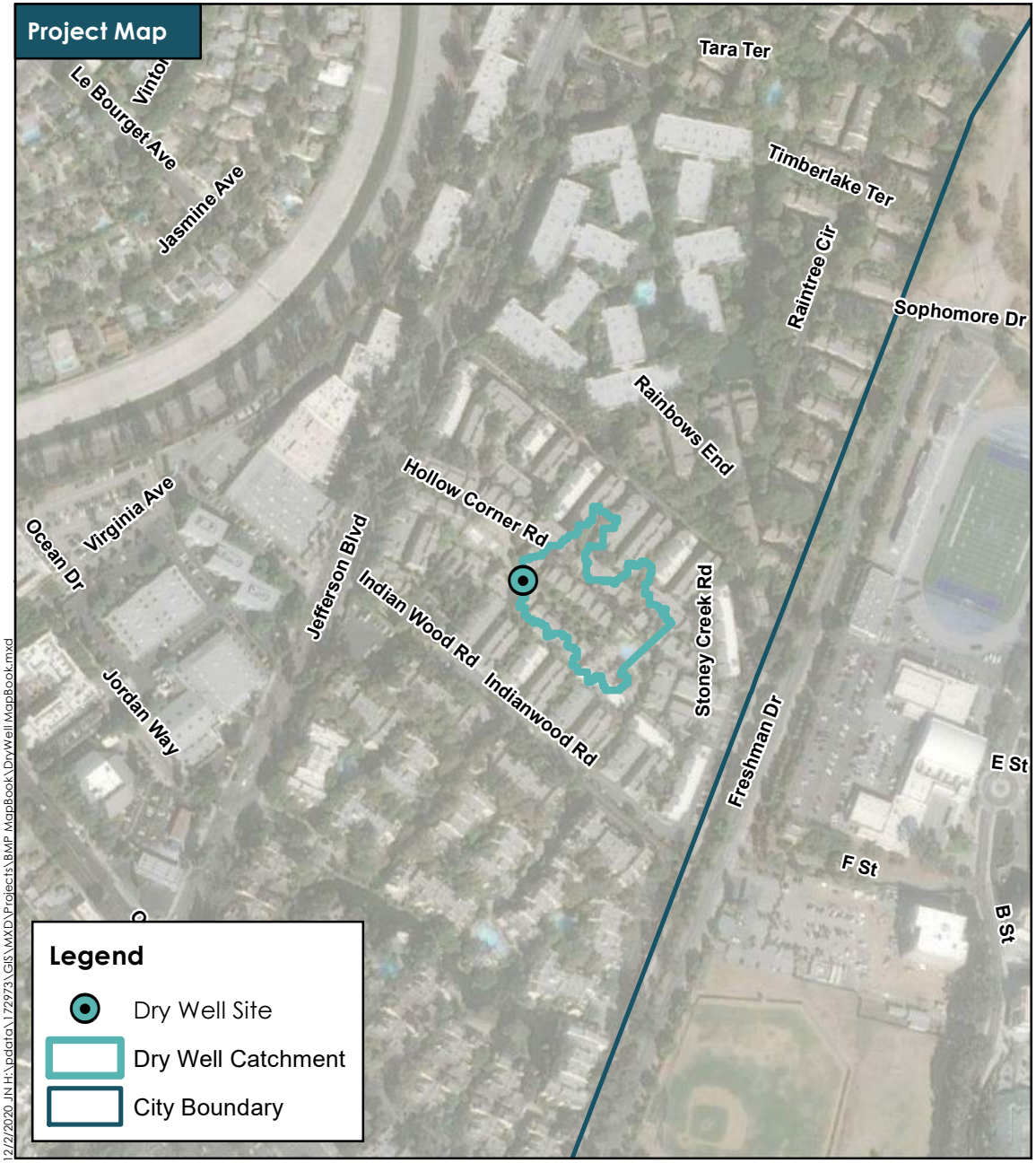
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

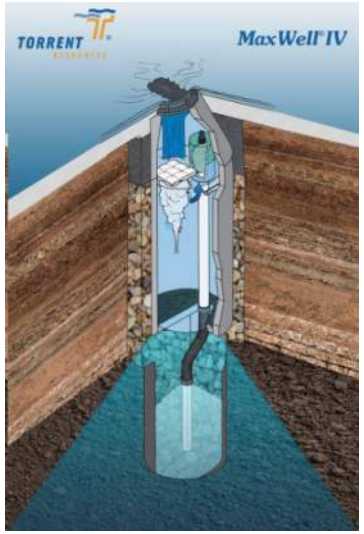
Dry Well Site: D125

Project Map



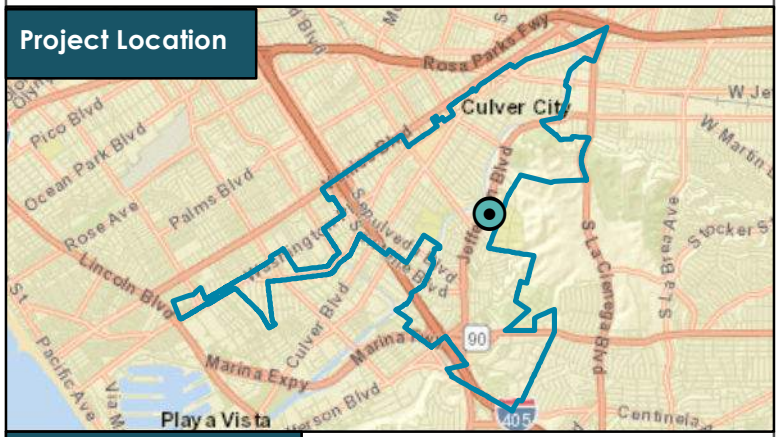
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.08
Drainage Area (ac):		1.64
Depth to Groundwater:		39
EWMP Equivalent Volume (ac-ft):		0.08
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

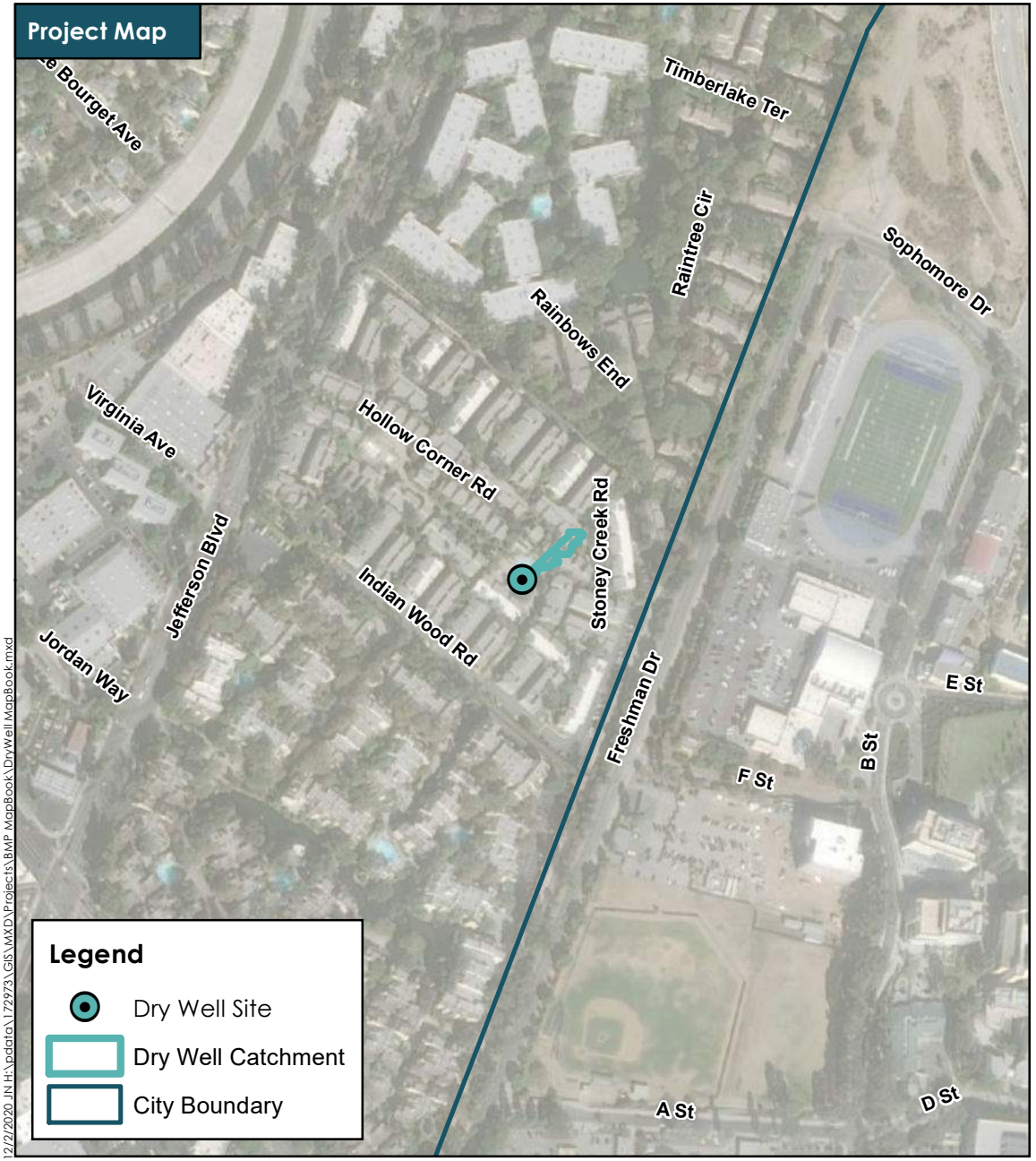
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

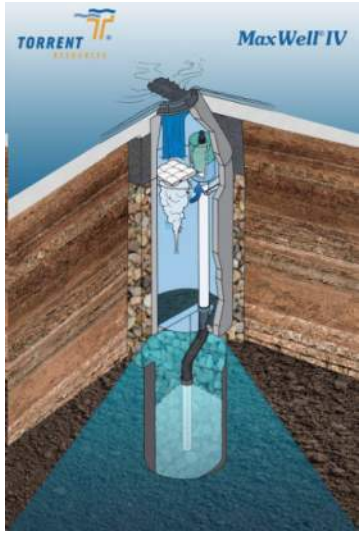
Dry Well Site: D126

Project Map



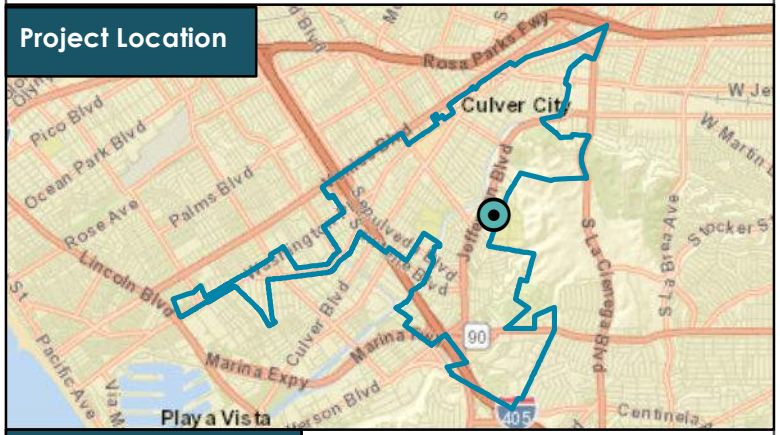
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.01
Drainage Area (ac):		0.08
Depth to Groundwater:		40
EWMP Equivalent Volume (ac-ft):		0.01
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

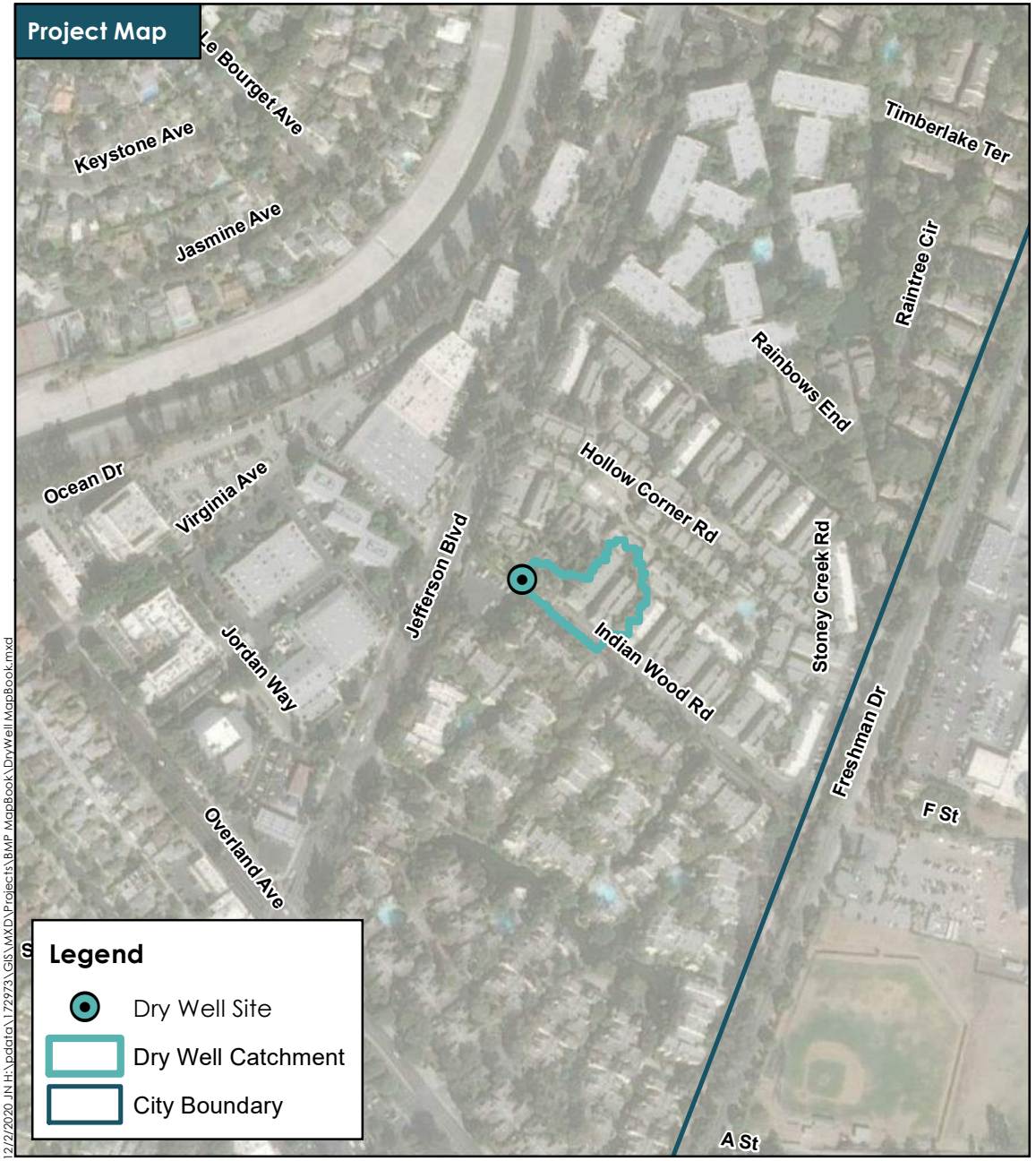
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

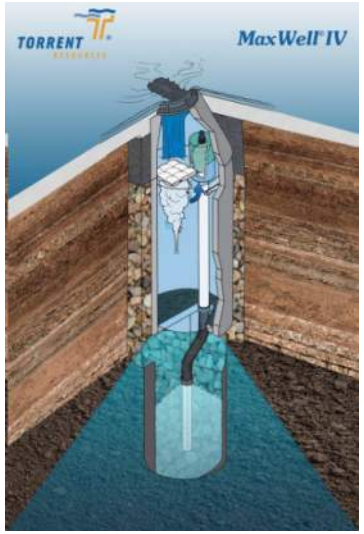
Dry Well Site: D127

Project Map



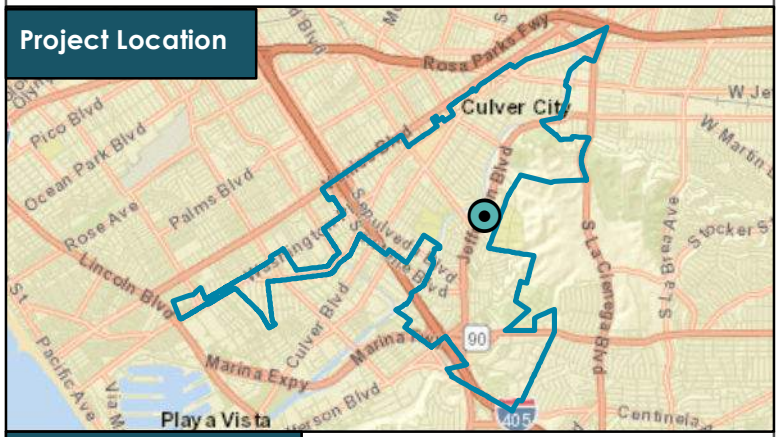
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.05
Drainage Area (ac):		0.91
Depth to Groundwater:		35
EWMP Equivalent Volume (ac-ft):		0.06
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

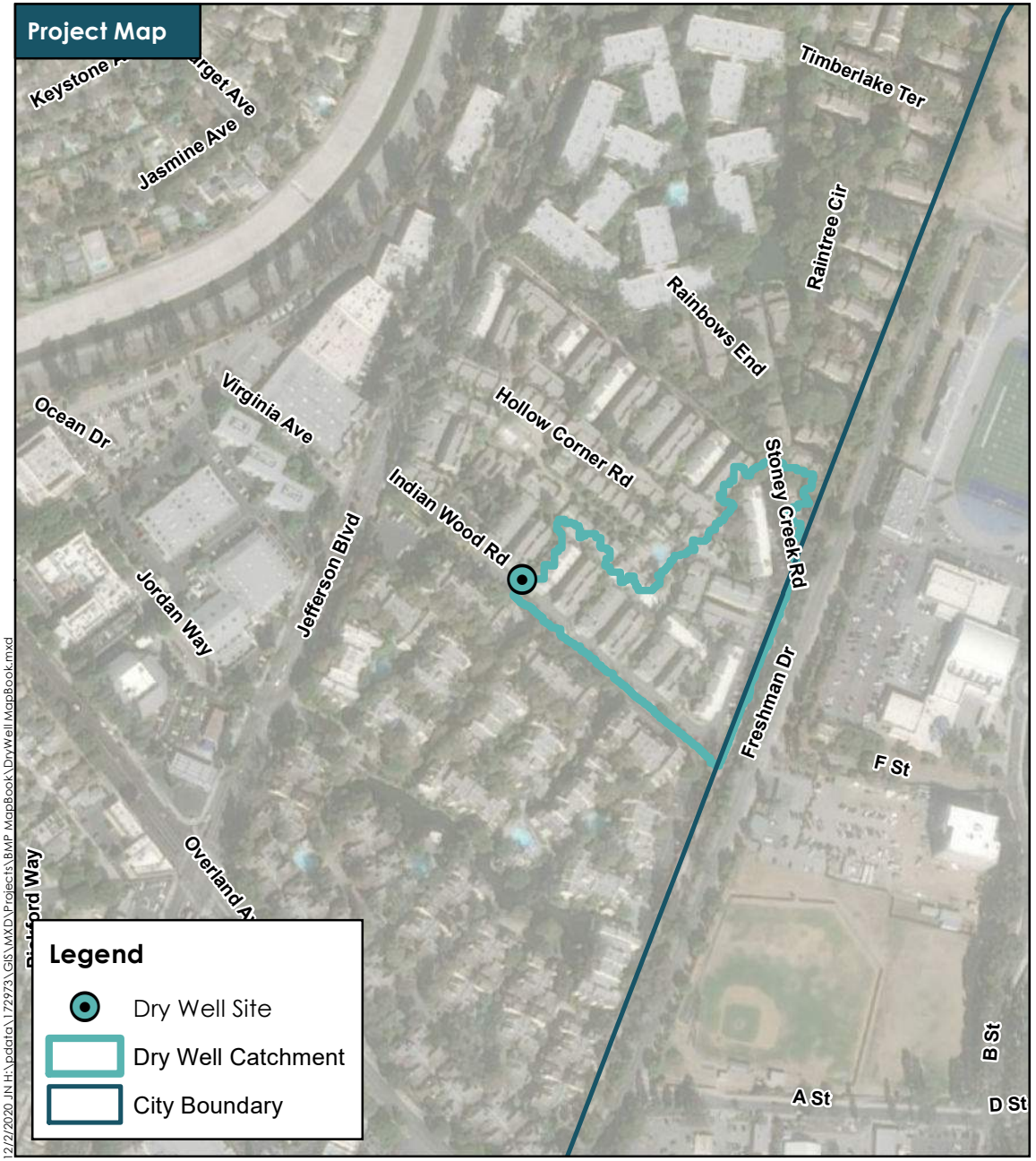
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

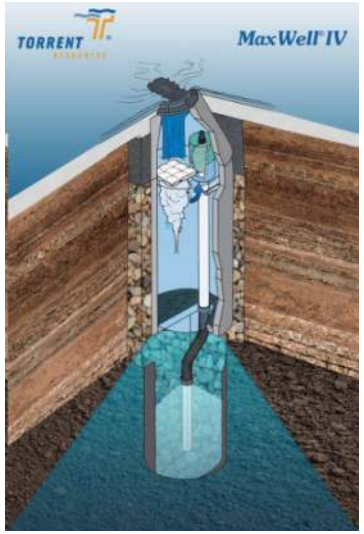
Dry Well Site: D128

Project Map



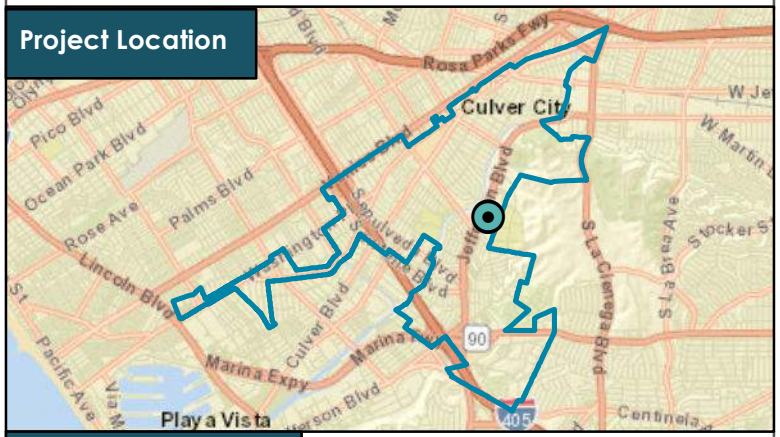
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.33
Drainage Area (ac):		5.58
Depth to Groundwater:		35
EWMP Equivalent Volume (ac-ft):		0.35
Cost Estimate:	$	250,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

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BLUE OCEAN CIVIL CONSULTING

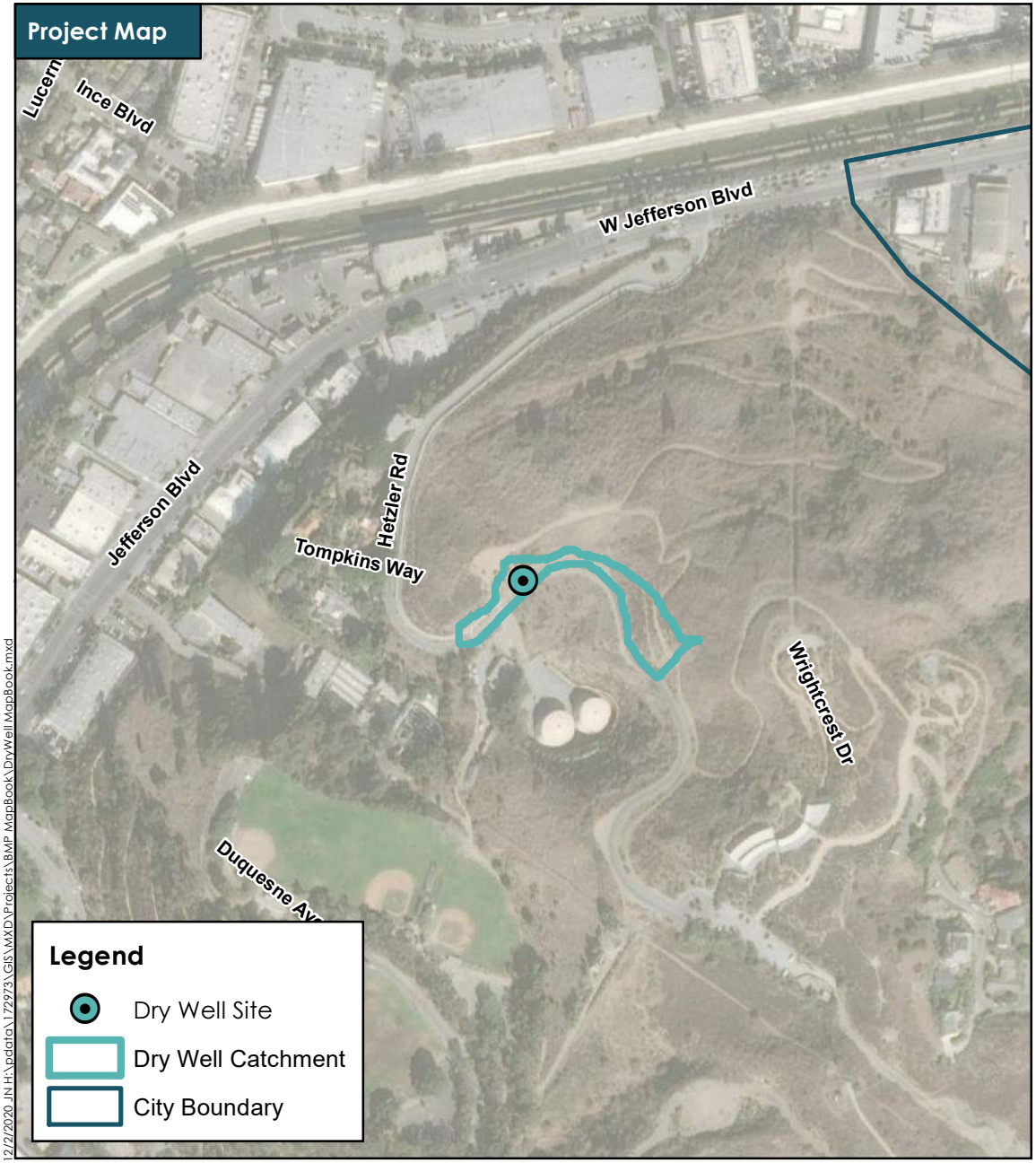
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

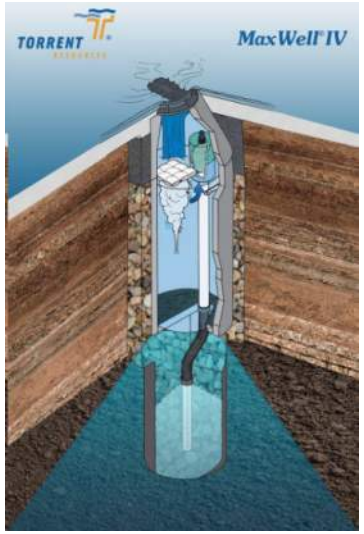
Dry Well Site: D129

Project Map



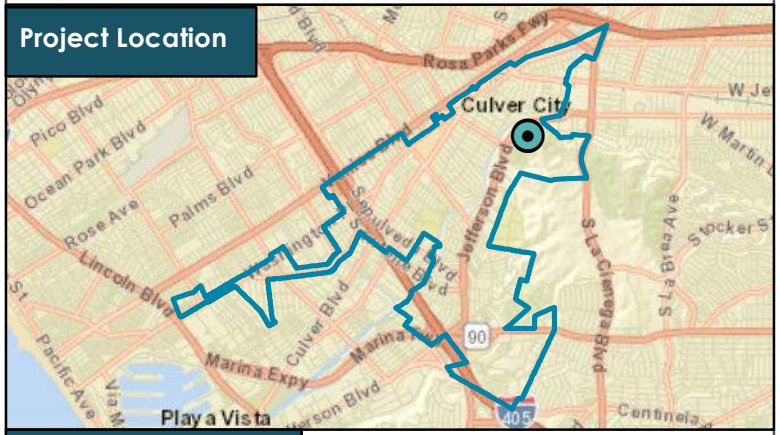
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.03
Drainage Area (ac):		0.92
Depth to Groundwater:		214
EWMP Equivalent Volume (ac-ft):		0.03
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

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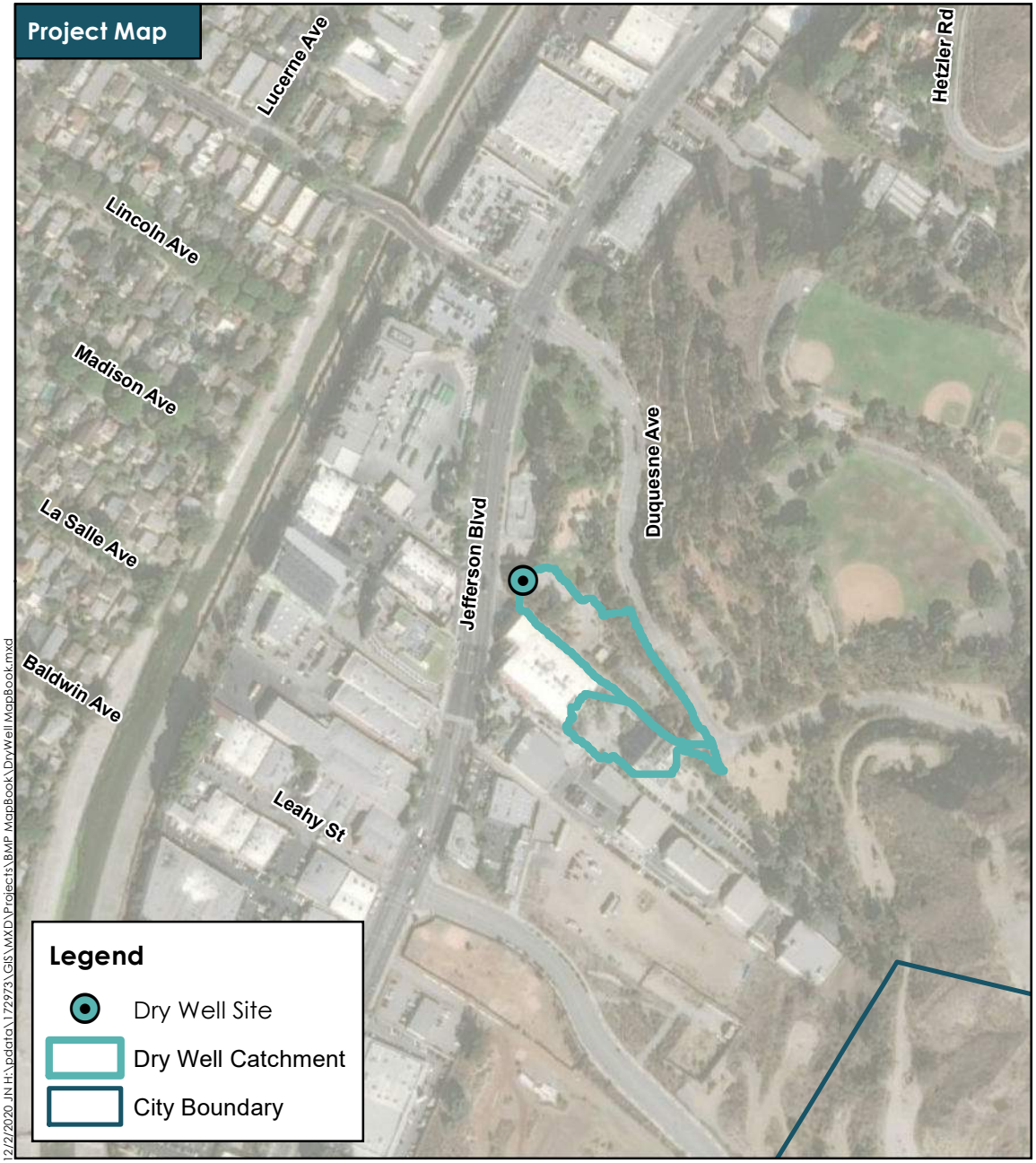
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

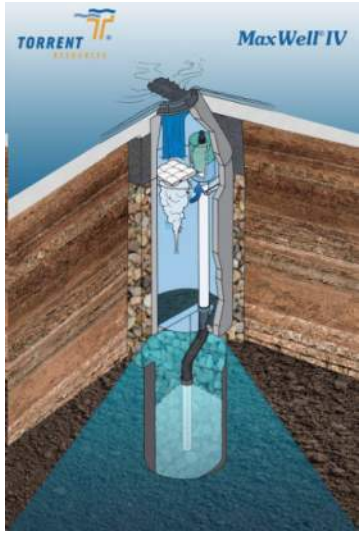
Dry Well Site: D130

Project Map



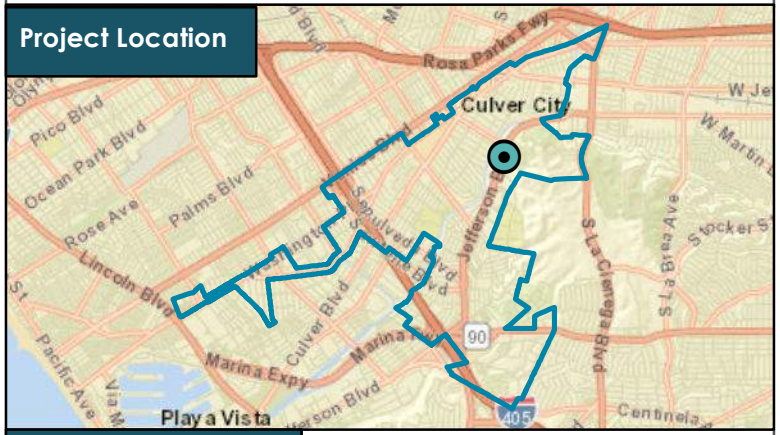
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.07
Drainage Area (ac):		1.42
Depth to Groundwater:		62
EWMP Equivalent Volume (ac-ft):		0.07
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

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0 200 400 Feet

Source: City of Culver City

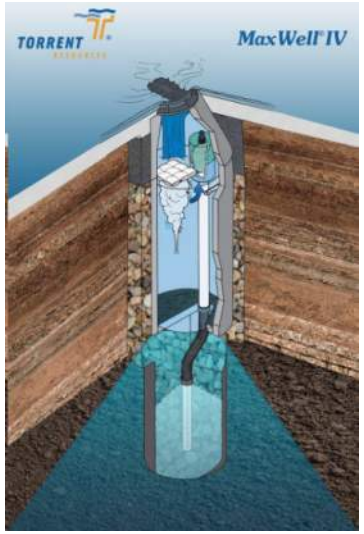
CULVER CITY STORMWATER QUALITY MASTER PLAN

Dry Well Site: D131

Project Map

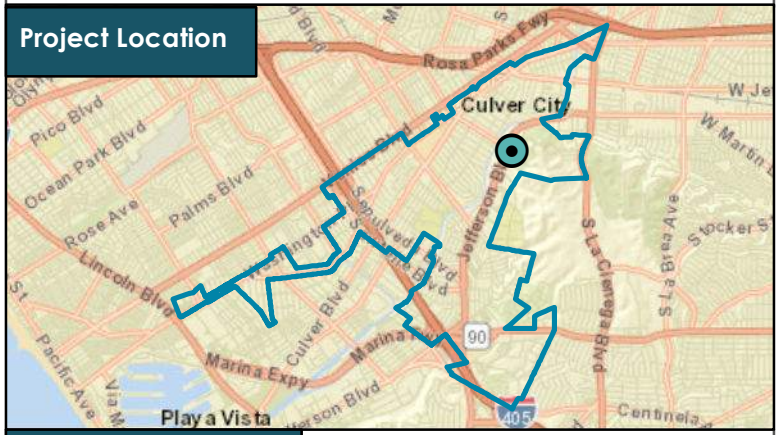
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.01
Drainage Area (ac):		0.53
Depth to Groundwater:		102
EWMP Equivalent Volume (ac-ft):		0
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

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0 200 400 Feet

Source: City of Culver City

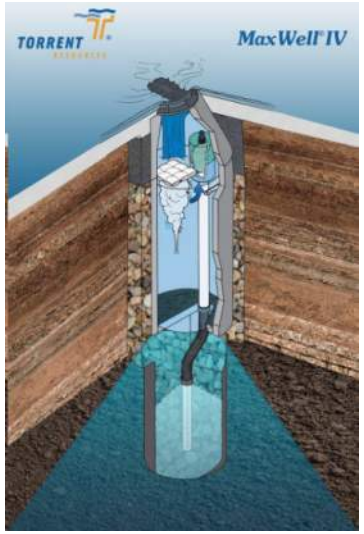
CULVER CITY STORMWATER QUALITY MASTER PLAN

Dry Well Site: D132

Project Map

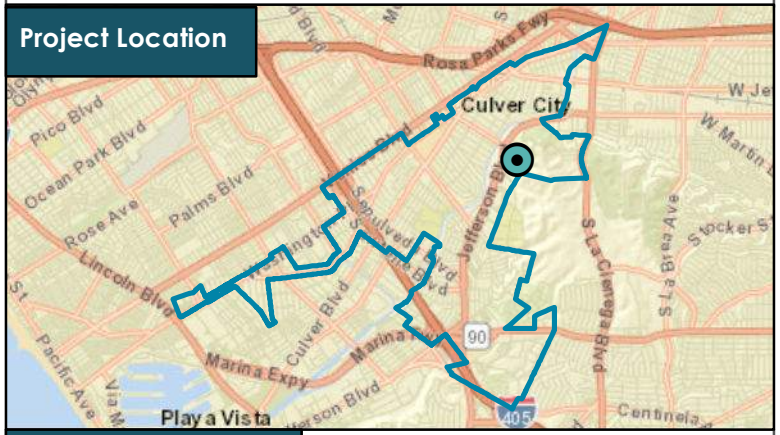
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.04
Drainage Area (ac):		1.23
Depth to Groundwater:		182
EWMP Equivalent Volume (ac-ft):		0.04
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

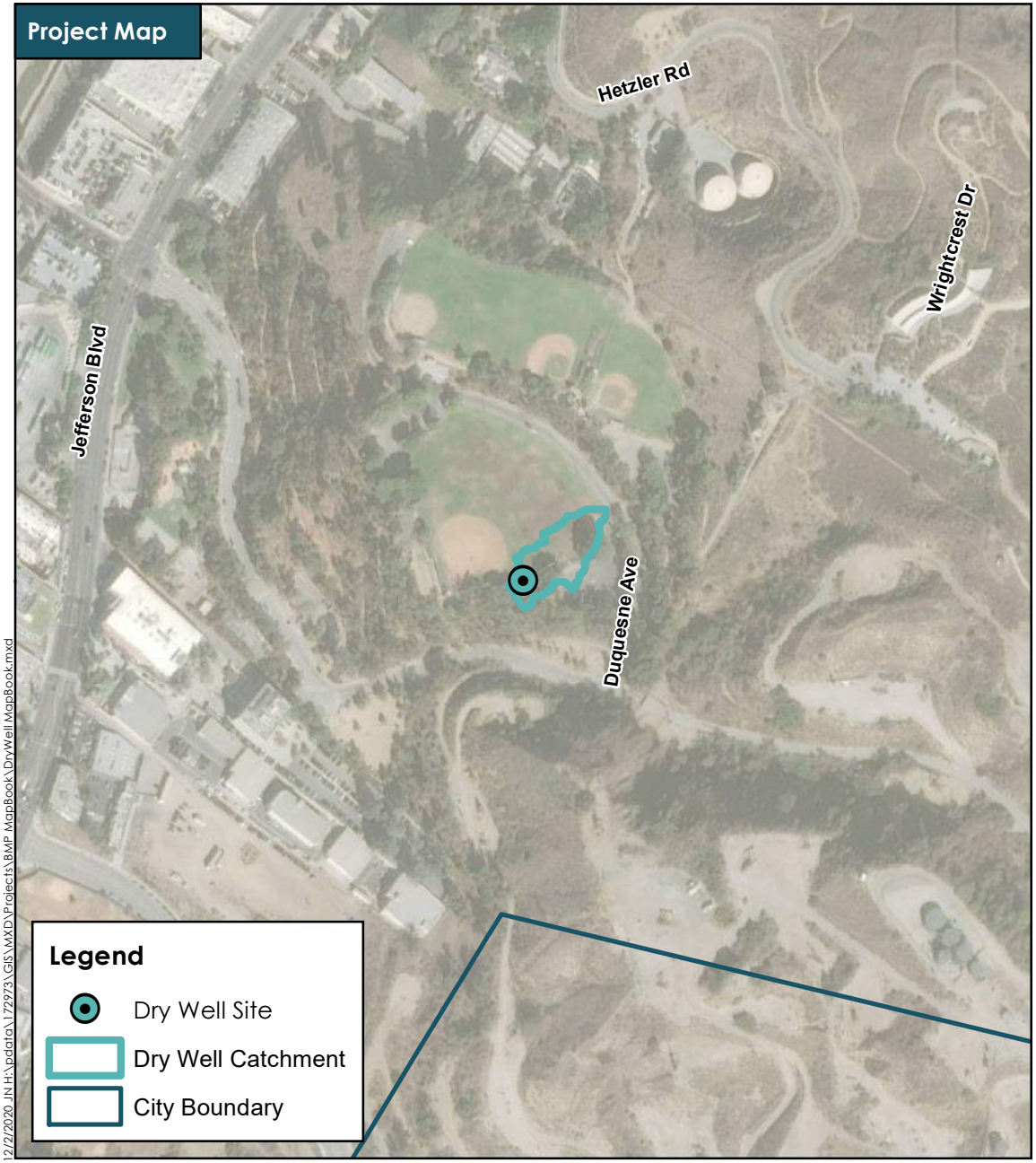
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

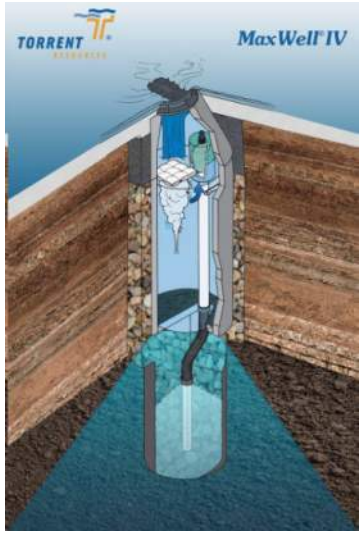
Dry Well Site: D133

Project Map



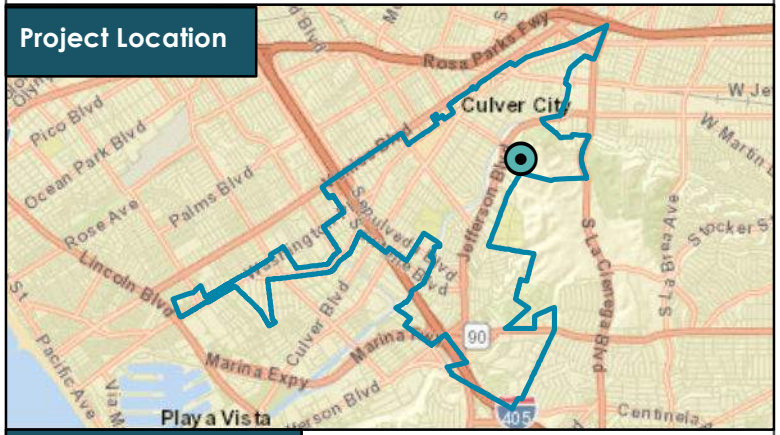
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.02
Drainage Area (ac):		0.59
Depth to Groundwater:		182
EWMP Equivalent Volume (ac-ft):		0.01
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

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0 200 400 Feet

Source: City of Culver City

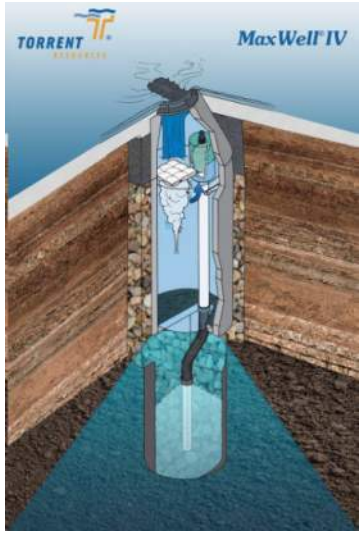
CULVER CITY STORMWATER QUALITY MASTER PLAN

Dry Well Site: D134

Project Map

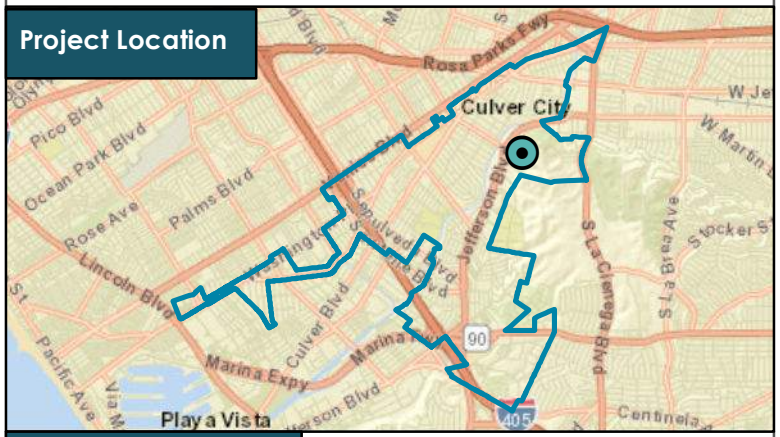
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.01
Drainage Area (ac):		0.38
Depth to Groundwater:		205
EWMP Equivalent Volume (ac-ft):		0.01
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

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0 200 400 Feet

Source: City of Culver City

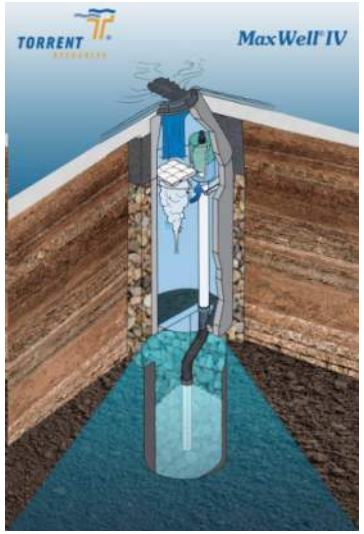
CULVER CITY STORMWATER QUALITY MASTER PLAN

Dry Well Site: D135

Project Map

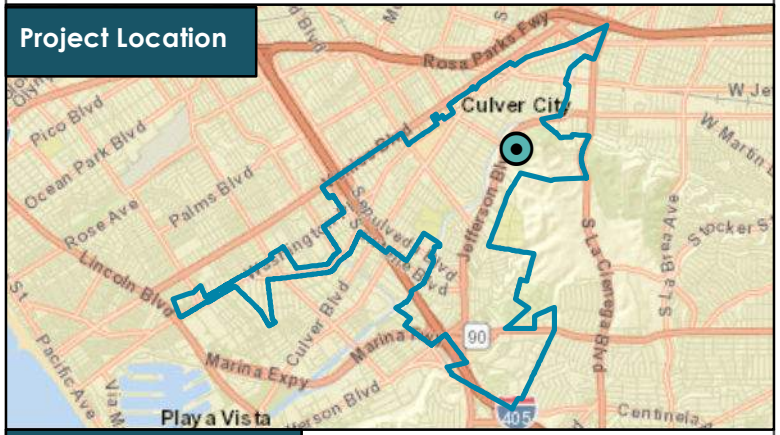
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0
Drainage Area (ac):		0.31
Depth to Groundwater:		208
EWMP Equivalent Volume (ac-ft):		0.01
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

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Michael Baker INTERNATIONAL

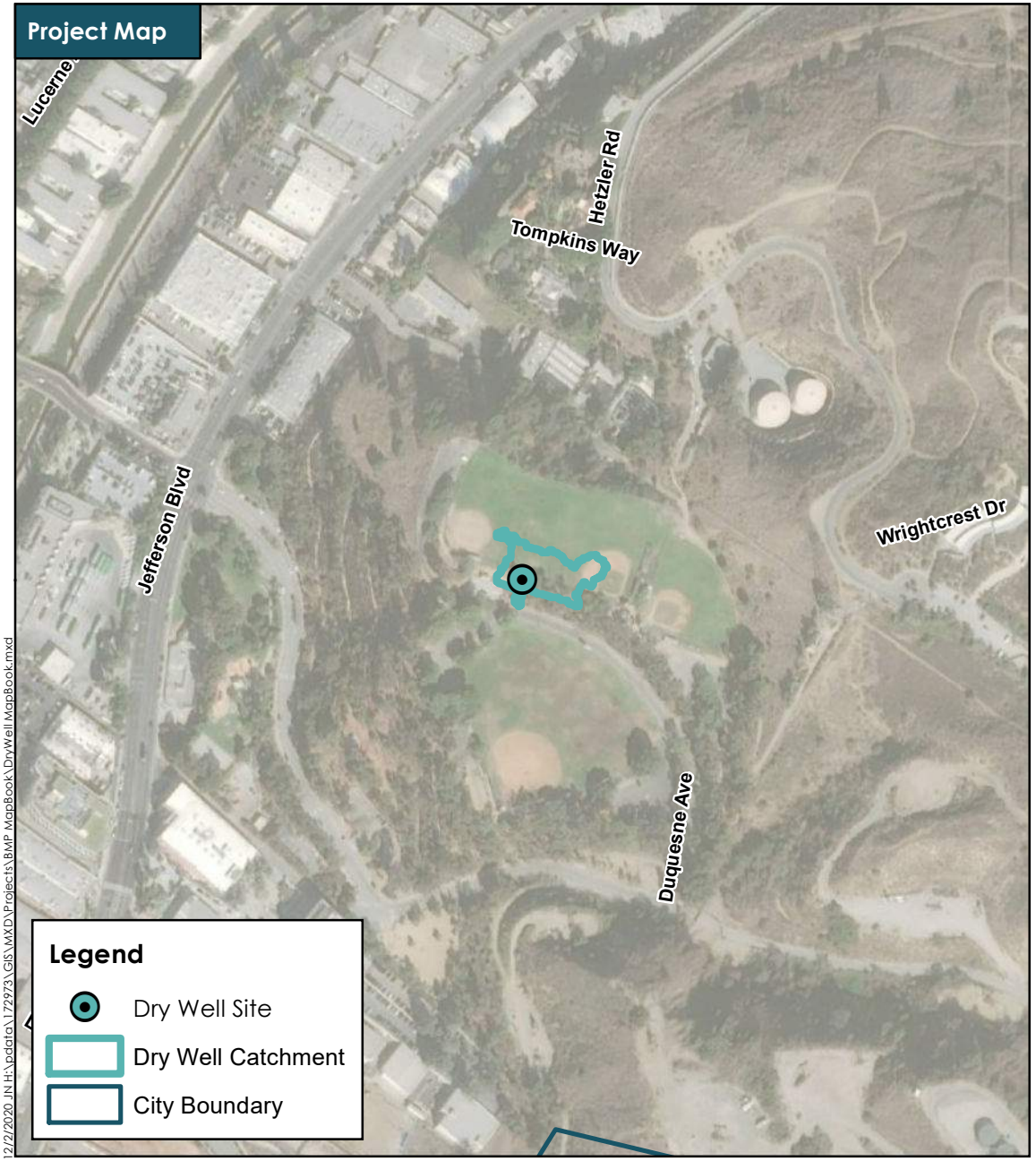
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

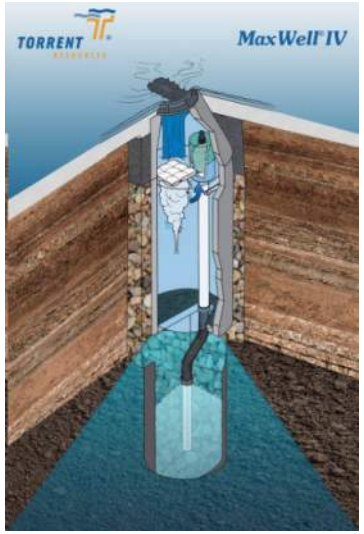
Dry Well Site: D136

Project Map



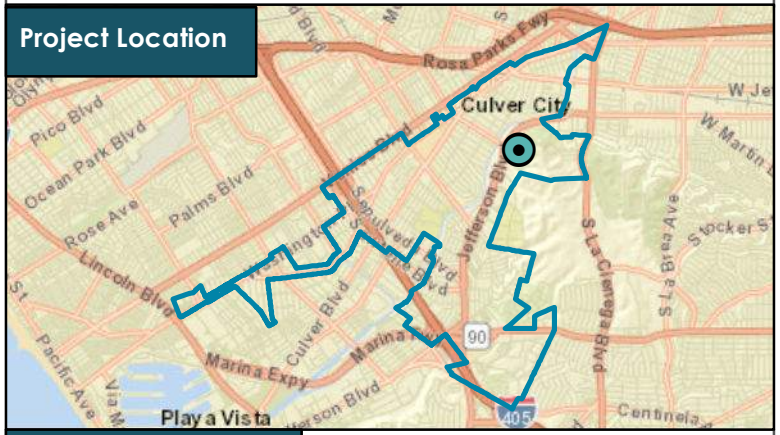
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.01
Drainage Area (ac):		0.5
Depth to Groundwater:		205
EWMP Equivalent Volume (ac-ft):		0.01
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

0 200 400 Feet

Source: City of Culver City

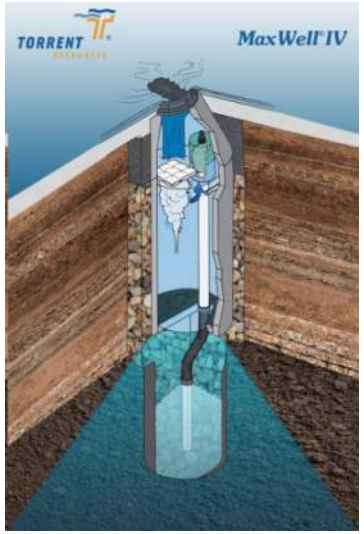
CULVER CITY STORMWATER QUALITY MASTER PLAN

Dry Well Site: D137

Project Map

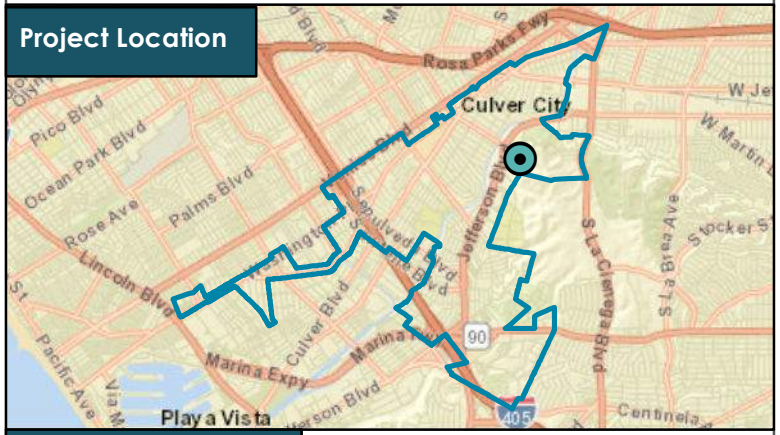
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.02
Drainage Area (ac):		1.15
Depth to Groundwater:		182
EWMP Equivalent Volume (ac-ft):		0.01
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

0 200 400 Feet

Source: City of Culver City

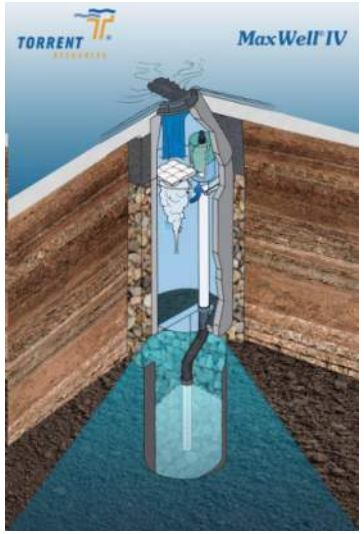
CULVER CITY STORMWATER QUALITY MASTER PLAN

Dry Well Site: D138

Project Map

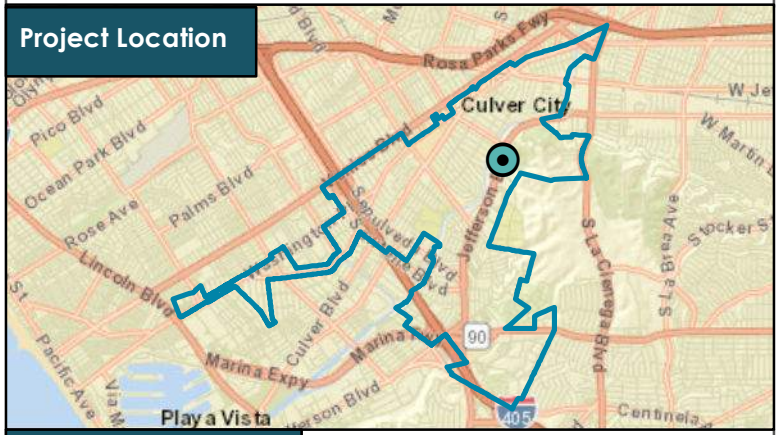
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.04
Drainage Area (ac):		0.9
Depth to Groundwater:		51
EWMP Equivalent Volume (ac-ft):		0.04
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

0 200 400 Feet

Source: City of Culver City

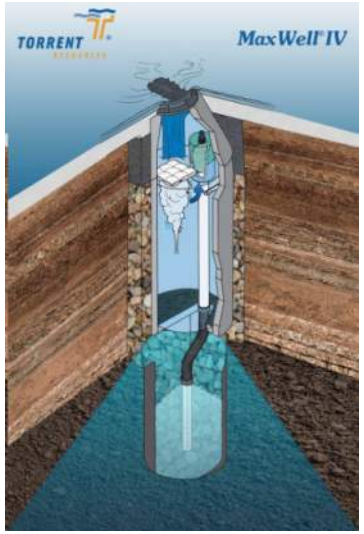
CULVER CITY STORMWATER QUALITY MASTER PLAN

Dry Well Site: D139

Project Map

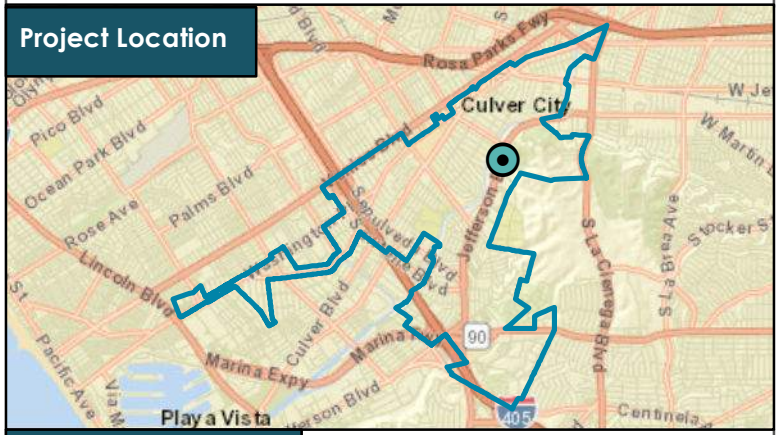
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.06
Drainage Area (ac):		0.81
Depth to Groundwater:		51
EWMP Equivalent Volume (ac-ft):		0.07
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

BLUE OCEAN CIVIL CONSULTING

Michael Baker INTERNATIONAL

0 200 400 Feet

Source: City of Culver City

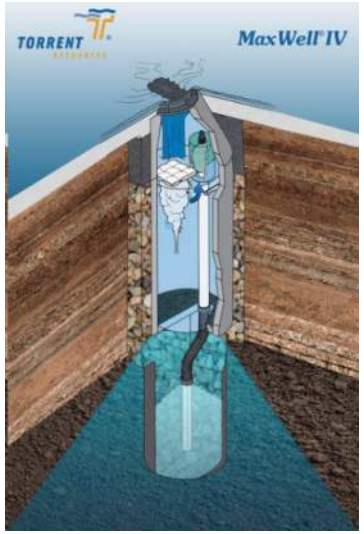
CULVER CITY STORMWATER QUALITY MASTER PLAN

Dry Well Site: D140

Project Map

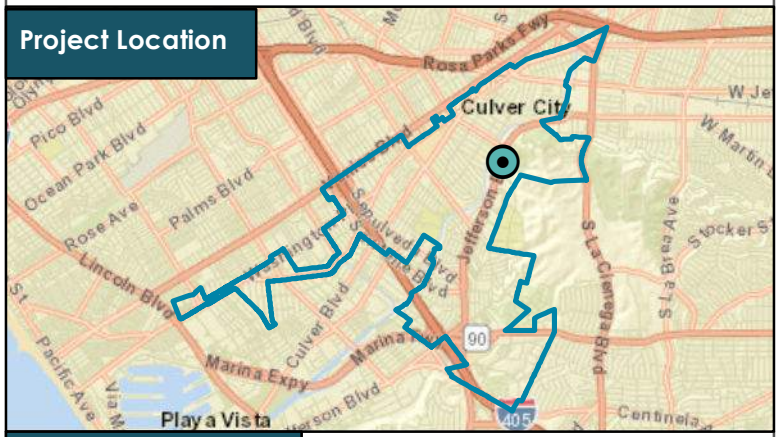
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.04
Drainage Area (ac):		0.9
Depth to Groundwater:		52
EWMP Equivalent Volume (ac-ft):		0.04
Cost Estimate:	$	50,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

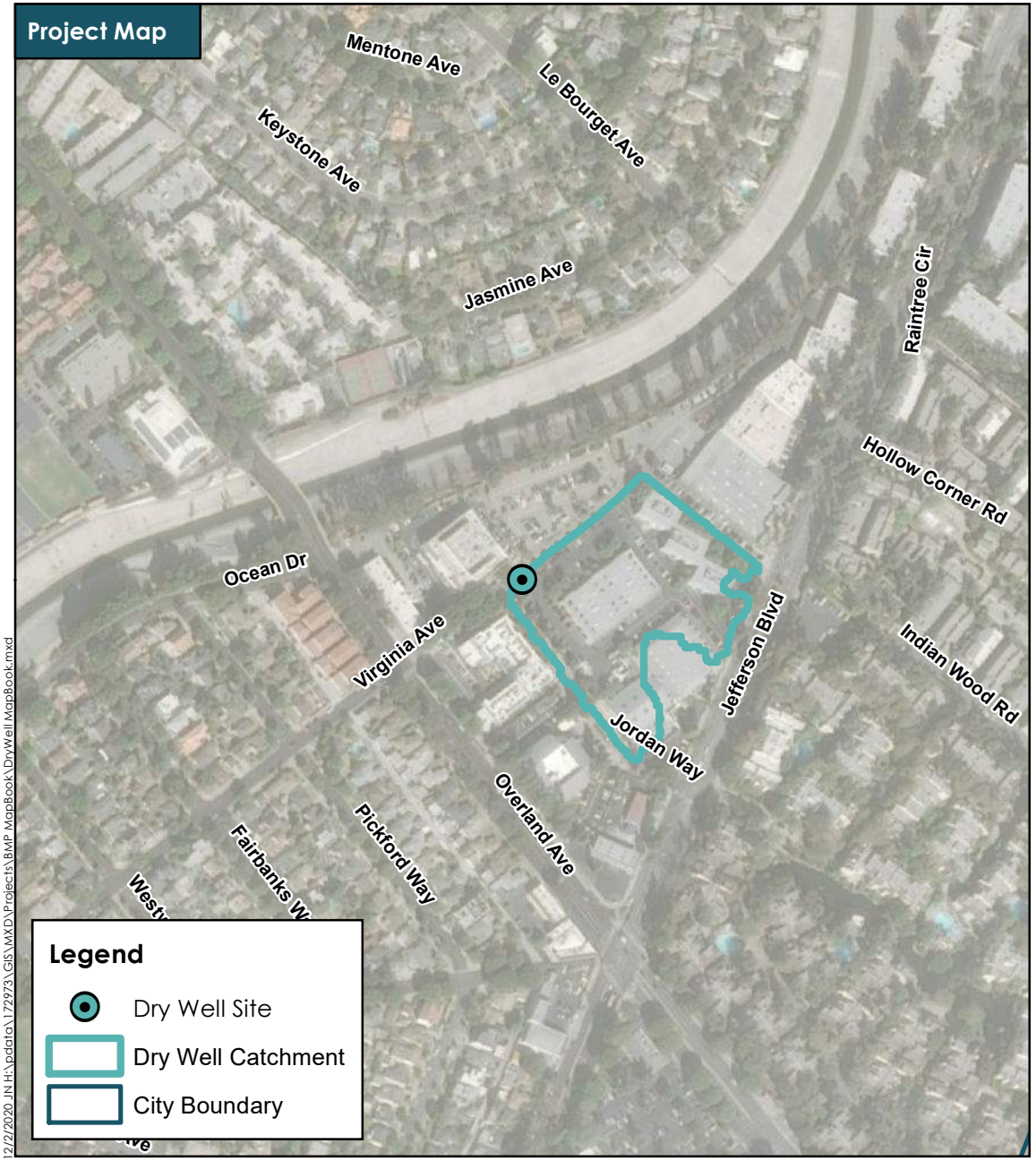
0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

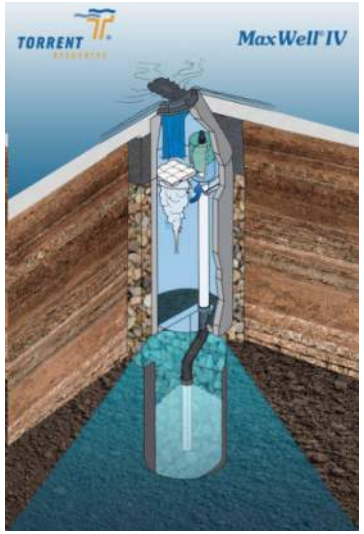
Dry Well Site: D141

Project Map



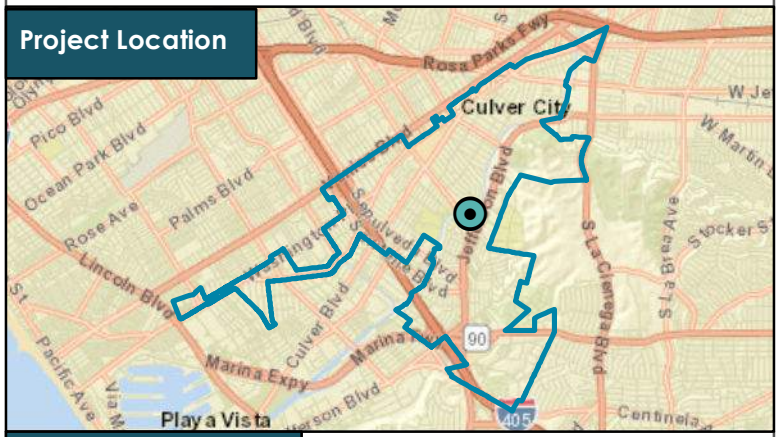
12/2/2020 JN H:\pdata\172973\GIS\MXD\Projects\BMP MapBook\DryWell MapBook.mxd

Dry Well - Typical



Source: Torrent Resources

Project Location



Project Information

Storage Capacity (ac-ft):		0.28
Drainage Area (ac):		4.27
Depth to Groundwater:		30
EWMP Equivalent Volume (ac-ft):		0.32
Cost Estimate:	$	200,000

*Note: Planning-level estimates based on desktop analysis. Cost estimates are based on available information.

0 200 400 Feet

Source: City of Culver City

CULVER CITY STORMWATER QUALITY MASTER PLAN

Dry Well Site: D142

Appendix E – Prioritization

PRIORITIZATION METRICS MATRIX

Metric	Points					
	0	1	2	3	4	5
PHYSICAL CHARACTERISTICS						
Regional Stormwater Projects						
Drainage Area (acres)	Less than 10	10 to 20	20 to 50	50 to 100	100 to 200	200 or greater
Site Slope (%)	10 or greater	10 to 5		5 to 2		Less than 2
Proximity to Storm Drain (ft)	Greater than 500	500 to 200		200 to 100		Less than 100
Impervious Area (%)	Less than 40	40 to 50	50 to 60	60 to 70	70 to 80	80 to 100
Hydrologic Soil Group	D		C		B	A
Dry Well Projects						
Drainage Area (acres)	Less than 1	1 to 2	2 to 5	5 to 10	10 to 15	15 or greater
Site Slope (%)	10 or greater	10 to 5		5 to 2		Less than 2
Impervious Area (%)	Less than 40	40 to 50	50 to 60	60 to 70	70 to 80	80 to 100
Within Drainage Area of Another Proposed Project	Yes					No
Hydrologic Soil Group	D		C		B	A
Green Street Projects						
Site Slope (%)	Greater than 5	5 to 4	4 to 3	3 to 2	2 to 1	1 or less
ROW Width by Street Class		Narrowest 33%		Middle 33%		Widest 33%
Utility Constraints	Multiple high conflict utilities	One high conflict utility				No high conflict utilities
Within Drainage Area of Another Proposed Project	Yes					No
Hydrologic Soil Group	D		C		B	A
MULTI-BENEFITS (All Projects)						
In Neighborhood with Localized Flood Issues	No					Yes
Private Development Project Within Drainage Area	No					Yes
Pollutant Source Areas Drainage area contains at least 10%	Other	Low Density Residential	Transportation	High Density Residential	Commercial	Industrial
Co-located With Another City Project	No					Yes
Groundwater Constraints	In contamination area AND depth to groundwater < 10 ft	In contamination area OR depth to groundwater < 10 ft		Depth to first groundwater 10 – 20 ft		Depth to first groundwater > 20 ft
Disadvantaged Community (DAC) Benefit	Not a benefit to a DAC or Low Income Community			Within Sphere of Influence of DAC or Low Income Community 500 ft		Within Low Income Neighborhood
Urban Heat Island Index		UHII < 20% of Census Tracts	UHII > 20% of Census Tracts	UHII > 40% of Census Tracts	UHII > 60% of Census Tracts	UHII > 80% of Census Tracts
Ballona Creek Revitalization	No			Within 250 ' of Ballona Creek		Within 50 ' of Ballona Creek
EWMP EQUIVALENT VOLUME						
EWMP Equivalent Volume (AF)	0-0.05	0.05-0.1	0.1-0.2	0.2-0.5	0.5-1.5	>1.5

REGIONAL PROJECT PRIORITIZATION SCORES

Site Information				Raw GIS Calculations				Physical Characteristics Scores					Multi-Benefit Scores								EWMP Vo	Score Summary					
Site ID	Name	Parcel Number	Address	Drainage Area (acres)	Footprint (acres)	EWMP Equivalent Volume (AF)	Volume Percentile	Drainage Area	Site Slope	Proximity to Storm Drain	Impervious Area	Hydrologic Soil Group	In Neighborhood with Localized Flood Issues	Private Development Projects in Drainage Area	Pollutant Source Areas	Co-located with Another City Project	Groundwater Constraints	Disadvantaged Community Benefit	Urban Heat Island Index	Ballona Creek Revitalization	EWMP Equivalent Volume	Normalized Physical Characteristics Score	Normalized Multi-Benefit Score	Normalized EWMP Volume Score	Final Score (out of 15)	Score Percentile (All Projects)	Bracket
R1	Blanco Park			65.47	2.00	1.335	98%	3	5	5	2	5	0	0	2	5	5	0	2	0	4	4.00	1.75	4.00	**9.75**	**98%**	**High**
R2	Farragut			90.86	0.64	1.629	99%	3	1	1	3	4	0	0	2	0	5	0	3	5	5	2.40	1.88	5.00	**9.28**	**97%**	**High**
R3	Fox Hills			38.67	2.56	0.837	98%	2	3	3	4	4	0	0	4	5	5	0	3	0	4	3.20	2.13	4.00	**9.33**	**97%**	**High**
R4	High School			131.67	3.02	2.389	100%	4	5	5	3	4	0	0	2	0	5	0	3	5	5	4.20	1.88	5.00	**11.08**	**99%**	**High**
R5	Linberg North			67.12	0.86	1.547	98%	3	5	1	3	4	0	0	4	5	5	0	3	3	5	3.20	2.50	5.00	**10.7**	**98%**	**High**
R6	Linberg South			7.90	1.54	0.171	89%	0	5	5	3	4	0	0	2	5	5	0	3	3	2	3.40	2.25	2.00	**7.65**	**88%**	**High**
R7	Linwood			5.49	1.07	0.113	83%	0	5	5	5	4	0	0	2	5	5	0	5	0	2	3.80	2.13	2.00	**7.93**	**90%**	**High**
R8	Syd Kronenthal			77.61	3.37	2.057	99%	3	5	5	4	5	0	0	5	5	5	3	5	5	5	4.40	3.50	5.00	**12.9**	**100%**	**High**
R9	Tellefson			72.33	0.89	1.623	99%	3	5	3	5	4	0	0	3	5	5	5	4	0	5	4.00	2.75	5.00	**11.75**	**99%**	**High**
R10	Veterans Park			78.07	3.90	1.772	99%	3	5	1	5	4	0	0	5	5	5	3	3	0	5	3.60	2.63	5.00	**11.23**	**99%**	**High**

DRY WELLS PRIORITIZATION SCORES

Site Information				Raw GIS Calculations				Physical Characteristics Scores					Multi-Benefit Scores								EWMP Volu	Score Summary					
Site ID	Name	Latitude	Longitude	Drainage Area (acres)	Co-located Project Name	EWMP Equivalent Volume (AF)	Volume Percentile	Drainage Area	Site Slope	Impervious Area	Within Drainage Area of Another Project	Hydrologic Soil Group	In Neighborhood with Localized Flood Issues	Private Development Projects in Drainage Area	Pollutant Source Areas	Co-located with Another City Project	Groundwater Constraints	Disadvantaged Community Benefit	Urban Heat Island Index	Ballona Creek Revitalization	EWMP Equivalent Volume	Normalized Physical Characteristics Score	Normalized Multi-Benefit Score	Normalized EWMP Volume Score	Final Score (out of 15)	Score Percentile (All Projects)	Bracket
D1	O_1	34.00713591	-118.404719	2.22		0.125	85%	2	5	2	0	4	0	0	2	0	5	0	3	0	2	2.60	1.25	2.00	**5.85**	**62%**	**Medium**
D10	O_10	34.00961991	-118.393644	0.09		0.001	3%	0	3	0	5	4	0	0	2	0	5	0	4	0	0	2.40	1.38	0.00	**3.78**	**8%**	**Low**
D100	O_100	34.0052232	-118.392704	0.00		0.000	1%	0	5	5	5	4	0	0	1	0	1	0	5	0	0	3.80	0.88	0.00	**4.68**	**30%**	**Low**
D101	O_101	34.00577514	-118.392454	0.21		0.008	29%	0	5	0	5	4	0	0	1	0	1	0	5	0	0	2.80	0.88	0.00	**3.68**	**6%**	**Low**
D102	O_102	34.00573346	-118.392112	0.03		0.001	5%	0	5	0	5	4	0	0	1	0	1	0	5	0	0	2.80	0.88	0.00	**3.68**	**6%**	**Low**
D103	O_103	34.0048277	-118.391919	0.10	P-946 Mesmer Ave and Overland Ave Sewer Pump Stations Diversion to New Bankfield Sewer Pump Station	0.005	21%	0	5	1	5	4	0	0	1	5	1	0	5	0	0	3.00	1.50	0.00	**4.5**	**24%**	**Low**
D104	O_104	34.00510971	-118.391536	0.15		0.009	30%	0	5	2	5	4	0	0	1	0	5	0	5	0	0	3.20	1.38	0.00	**4.58**	**25%**	**Low**
D105	O_105	34.00528222	-118.391302	0.06		0.004	18%	0	5	4	5	4	0	0	1	0	5	0	5	0	0	3.60	1.38	0.00	**4.98**	**38%**	**Low**
D106	O_106	34.00540747	-118.391277	0.25		0.008	30%	0	5	0	5	4	0	0	1	0	5	0	5	0	0	2.80	1.38	0.00	**4.18**	**14%**	**Low**
D107	O_107	34.00579292	-118.391037	0.42		0.021	48%	0	5	2	5	4	0	0	1	0	5	0	5	0	0	3.20	1.38	0.00	**4.58**	**25%**	**Low**
D108	O_108	34.00589933	-118.391854	0.09		0.004	20%	0	5	2	5	4	0	0	1	0	5	0	5	0	0	3.20	1.38	0.00	**4.58**	**25%**	**Low**
D109	O_109	34.00587073	-118.391728	0.21		0.007	26%	0	5	0	5	4	0	0	1	0	5	0	5	0	0	2.80	1.38	0.00	**4.18**	**14%**	**Low**
D11	O_11	34.00555945	-118.398091	1.79		0.093	79%	1	5	2	5	4	0	0	2	0	5	0	3	3	1	3.40	1.63	1.00	**6.03**	**67%**	**Medium**
D110	O_110	34.00561593	-118.39207	0.31		0.011	36%	0	5	0	5	4	0	0	1	0	1	0	5	0	0	2.80	0.88	0.00	**3.68**	**6%**	**Low**
D112	O_112	34.00531672	-118.390894	0.07		0.002	11%	0	5	0	5	4	0	0	1	0	5	0	5	0	0	2.80	1.38	0.00	**4.18**	**14%**	**Low**
D113	O_113	34.00508639	-118.390978	0.05		0.004	19%	0	5	4	5	4	0	0	1	0	5	0	5	0	0	3.60	1.38	0.00	**4.98**	**38%**	**Low**
D114	O_114	34.0051659	-118.390953	0.01		0.000	0%	0	5	0	5	4	0	0	1	0	5	0	5	0	0	2.80	1.38	0.00	**4.18**	**14%**	**Low**
D115	O_115	34.00466296	-118.39077	0.10		0.006	24%	0	5	2	5	4	0	0	1	0	5	0	5	0	0	3.20	1.38	0.00	**4.58**	**25%**	**Low**
D116	O_116	34.00405248	-118.390527	0.06		0.004	18%	0	5	4	5	4	0	0	1	0	5	0	5	0	0	3.60	1.38	0.00	**4.98**	**38%**	**Low**
D117	O_117	34.00408438	-118.390621	0.03		0.001	8%	0	5	1	5	4	0	0	1	0	5	0	5	0	0	3.00	1.38	0.00	**4.38**	**20%**	**Low**
D118	O_118	34.00433886	-118.390458	0.49		0.018	45%	0	5	0	5	4	0	0	1	0	5	0	5	0	0	2.80	1.38	0.00	**4.18**	**14%**	**Low**
D119	O_119	34.00477647	-118.390265	0.14		0.005	22%	0	5	0	5	4	0	0	1	0	5	0	5	0	0	2.80	1.38	0.00	**4.18**	**14%**	**Low**
D12	O_12	34.00705563	-118.404627	1.01		0.049	65%	1	5	1	0	4	0	0	2	0	5	0	3	0	0	2.20	1.25	0.00	**3.45**	**4%**	**Low**
D120	O_120	34.00474838	-118.391219	0.21		0.008	28%	0	5	0	5	4	0	0	1	0	5	0	5	0	0	2.80	1.38	0.00	**4.18**	**14%**	**Low**
D121	O_121	34.00471003	-118.389863	0.16		0.011	35%	0	3	4	5	4	0	0	1	0	5	0	5	0	0	3.20	1.38	0.00	**4.58**	**25%**	**Low**
D122	O_122	34.00458283	-118.389792	0.05		0.003	15%	0	3	4	5	4	0	0	1	0	5	0	5	0	0	3.20	1.38	0.00	**4.58**	**25%**	**Low**
D123	O_123	34.00402577	-118.390045	0.63		0.031	57%	0	3	2	5	4	0	0	1	0	5	0	5	0	0	2.80	1.38	0.00	**4.18**	**14%**	**Low**
D124	O_124	34.00711435	-118.391023	0.12		0.006	24%	0	3	1	5	4	0	0	1	0	5	0	5	0	0	2.60	1.38	0.00	**3.98**	**10%**	**Low**
D125	O_125	34.00695512	-118.390826	0.21		0.010	34%	0	3	1	5	4	0	0	1	0	5	0	5	0	0	2.60	1.38	0.00	**3.98**	**10%**	**Low**
D126	O_126	34.00670897	-118.390757	1.64		0.083	77%	1	5	2	5	4	0	0	1	0	5	0	5	0	1	3.40	1.38	1.00	**5.78**	**60%**	**Medium**
D127	O_127	34.00616425	-118.389964	0.08		0.006	23%	0	1	4	5	4	0	0	1	0	5	0	5	0	0	2.80	1.38	0.00	**4.18**	**14%**	**Low**
D128	O_128	34.00643209	-118.391664	0.91		0.056	67%	0	5	3	5	4	0	0	1	0	5	0	5	0	1	3.40	1.38	1.00	**5.78**	**60%**	**Medium**
D129	O_129	34.00607891	-118.391012	5.58		0.355	96%	3	5	3	5	4	0	0	1	0	5	0	5	0	3	4.00	1.38	3.00	**8.38**	**94%**	**High**
D13	O_13	34.00895791	-118.393296	0.06		0.003	14%	0	5	2	5	4	0	0	2	0	5	0	4	3	0	3.20	1.75	0.00	**4.95**	**37%**	**Low**
D130	O_130	34.01815265	-118.383833	0.92		0.033	58%	0	1	0	5	4	0	0	5	0	5	0	5	0	0	2.00	1.88	0.00	**3.88**	**9%**	**Low**
D131	O_131	34.01502641	-118.388093	1.42	P-830 Skatepark Office and Restroom	0.068	72%	1	3	1	5	4	0	0	4	5	5	0	5	0	1	2.80	2.38	1.00	**6.18**	**70%**	**Medium**
D132	O_132	34.01588695	-118.386767	0.53	P-830 Skatepark Office and Restroom	0.001	8%	0	0	0	5	4	0	0	0	5	5	0	5	0	0	1.80	1.88	0.00	**3.68**	**6%**	**Low**
D133	O_133	34.01456976	-118.385764	1.23		0.037	61%	1	0	0	5	0	0	0	0	0	5	0	5	0	0	1.20	1.25	0.00	**2.45**	**1%**	**Low**
D134	O_134	34.01473413	-118.385057	0.59		0.013	37%	0	0	0	5	0	0	0	0	0	5	0	5	0	0	1.00	1.25	0.00	**2.25**	**0%**	**Low**
D135	O_135	34.01591242	-118.384868	0.38		0.007	25%	0	0	0	5	0	0	0	0	0	5	0	5	0	0	1.00	1.25	0.00	**2.25**	**0%**	**Low**
D136	O_136	34.01620582	-118.385978	0.31		0.010	34%	0	0	0	5	4	0	0	0	0	5	0	5	0	0	1.80	1.25	0.00	**3.05**	**2%**	**Low**
D137	O_137	34.01611761	-118.385487	0.50		0.005	22%	0	1	0	5	4	0	0	0	0	5	0	5	0	0	2.00	1.25	0.00	**3.25**	**3%**	**Low**
D138	O_138	34.01475125	-118.385205	1.15		0.012	36%	1	0	0	5	0	0	0	0	0	5	0	5	0	0	1.20	1.25	0.00	**2.45**	**1%**	**Low**
D139	O_139	34.01447426	-118.38836	0.90	P-830 Skatepark Office and Restroom	0.041	63%	0	3	1	5	4	0	0	5	5	5	0	5	0	0	2.60	2.50	0.00	**5.1**	**42%**	**Low**
D14	O_14	34.0091429	-118.393081	5.13		0.238	93%	3	3	1	5	4	0	0	2	0	5	0	4	3	3	3.20	1.75	3.00	**7.95**	**90%**	**High**
D140	O_140	34.01458296	-118.388345	0.81	P-830 Skatepark Office and Restroom	0.069	73%	0	3	5	5	4	0	0	4	5	5	0	5	0	1	3.40	2.38	1.00	**6.78**	**81%**	**High**
D141	O_141	34.01443551	-118.388367	0.90	P-830 Skatepark Office and Restroom	0.041	63%	0	3	1	5	4	0	0	5	5	5	0	5	0	0	2.60	2.50	0.00	**5.1**	**42%**	**Low**
D142	O_142	34.00660113	-118.394254	4.27		0.318	96%	2	3	4	5	4	0	0	5	0	1	0	5	3	3	3.60	1.75	3.00	**8.35**	**93%**	**High**
D15	O_15	34.00711884	-118.404862	1.63		0.076	74%	1	5	1	0	4	0	0	2	0	5	0	3	0	1	2.20	1.25	1.00	**4.45**	**20%**	**Low**
D16	O_16	34.00963762	-118.394022	0.40		0.025	52%	0	5	3	5	4	0	0	2	0	5	0	4	0	0	3.40	1.38	0.00	**4.78**	**32%**	**Low**
D17	O_17	34.00972143	-118.393705	3.86		0.165	89%	2	3	1	5	4	0	0	2	0	5	0	4	0	2	3.00	1.38	2.00	**6.38**	**74%**	**Medium**
D18	O_18	34.0056661	-118.398097	6.39		0.337	96%	3	5	2	5	4	0	0	2	0	5	0	3	5	3	3.80	1.88	3.00	**8.68**	**95%**	**High**

DRY WELLS PRIORITIZATION SCORES

Site Information				Raw GIS Calculations				Physical Characteristics Scores					Multi-Benefit Scores								EWMP Volu	Score Summary					
Site ID	Name	Latitude	Longitude	Drainage Area (acres)	Co-located Project Name	EWMP Equivalent Volume (AF)	Volume Percentile	Drainage Area	Site Slope	Impervious Area	Within Drainage Area of Another Project	Hydrologic Soil Group	In Neighborhood with Localized Flood Issues	Private Development Projects in Drainage Area	Pollutant Source Areas	Co-located with Another City Project	Groundwater Constraints	Disadvantaged Community Benefit	Urban Heat Island Index	Ballona Creek Revitalization	EWMP Equivalent Volume	Normalized Physical Characteristics Score	Normalized Multi-Benefit Score	Normalized EWMP Volume Score	Final Score (out of 15)	Score Percentile (All Projects)	Bracket
D19	O_19	34.0102065	-118.394399	2.35		0.116	84%	2	3	2	5	4	0	0	2	0	5	0	4	0	2	3.20	1.38	2.00	**6.58**	**77%**	**Medium**
D2	O_2	34.02019749	-118.384088	0.37		0.023	50%	0	1	3	5	4	0	0	2	0	5	0	5	5	0	2.60	2.13	0.00	**4.73**	**31%**	**Low**
D20	O_20	34.0070106	-118.404925	0.23		0.014	40%	0	5	3	0	4	0	0	2	0	5	0	3	0	0	2.40	1.25	0.00	**3.65**	**5%**	**Low**
D21	O_21	34.0110764	-118.415986	0.51		0.030	56%	0	5	3	5	4	0	0	4	0	5	5	4	0	0	3.40	2.25	0.00	**5.65**	**57%**	**Medium**
D22	O_22	34.00972167	-118.393938	4.26		0.197	91%	2	3	1	5	4	0	0	2	0	5	0	4	0	2	3.00	1.38	2.00	**6.38**	**74%**	**Medium**
D23	O_23	34.01012984	-118.394299	0.02		0.001	6%	0	3	1	5	4	0	0	2	0	5	0	4	0	0	2.60	1.38	0.00	**3.98**	**10%**	**Low**
D24	O_24	34.01094814	-118.41587	0.36		0.029	55%	0	5	5	5	4	0	0	2	0	5	5	4	0	0	3.80	2.00	0.00	**5.8**	**60%**	**Medium**
D25	O_25	34.00947727	-118.393968	5.23		0.275	95%	3	5	2	5	4	0	0	2	0	5	0	4	0	3	3.80	1.38	3.00	**8.18**	**92%**	**High**
D26	O_26	34.01492889	-118.407886	1.87		0.115	84%	1	5	3	5	4	0	0	3	0	5	5	4	0	2	3.60	2.13	2.00	**7.73**	**89%**	**High**
D27	O_27	34.01501269	-118.407812	4.70		0.304	95%	2	5	3	5	4	0	0	3	0	5	5	4	0	3	3.80	2.13	3.00	**8.93**	**95%**	**High**
D28	O_28	34.01499175	-118.40774	11.98		1.030	98%	4	5	5	5	4	0	0	4	0	5	5	4	0	4	4.60	2.25	4.00	**10.85**	**99%**	**High**
D29	O_29	34.01796156	-118.39013	2.56		0.130	86%	2	3	2	5	4	0	0	3	0	5	0	5	0	2	3.20	1.63	2.00	**6.83**	**82%**	**High**
D3	O_3	34.020356	-118.382675	4.44		0.062	70%	2	0	0	5	4	0	0	2	0	5	0	5	3	1	2.20	1.88	1.00	**5.08**	**40%**	**Low**
D30	O_30	34.0155917	-118.387179	0.66	P-830 Skatepark Office and Restroom	0.004	17%	0	0	0	5	4	0	0	0	5	5	0	5	0	0	1.80	1.88	0.00	**3.68**	**6%**	**Low**
D31	O_31	34.00546226	-118.392972	8.13		0.580	97%	3	5	4	5	4	0	0	5	0	1	0	5	0	4	4.20	1.38	4.00	**9.58**	**97%**	**High**
D32	O_32	34.0065342	-118.392132	0.16		0.013	38%	0	5	5	5	4	0	0	1	0	1	0	5	0	0	3.80	0.88	0.00	**4.68**	**30%**	**Low**
D33	O_33	34.00538862	-118.392712	0.45		0.035	60%	0	5	5	5	4	0	0	2	0	1	0	5	0	0	3.80	1.00	0.00	**4.8**	**33%**	**Low**
D34	O_34	34.01303567	-118.388108	0.02		0.000	0%	0	1	0	5	4	0	0	4	0	5	0	5	0	0	2.00	1.75	0.00	**3.75**	**8%**	**Low**
D35	O_35	34.00808174	-118.391349	2.82		0.191	90%	2	3	4	5	4	0	0	1	0	5	0	5	3	2	3.60	1.75	2.00	**7.35**	**86%**	**High**
D36	O_36	34.00829823	-118.39117	8.03		0.393	97%	3	3	2	5	4	0	0	1	0	5	0	5	3	3	3.40	1.75	3.00	**8.15**	**91%**	**High**
D37	O_37	34.0105428	-118.390061	1.87		0.087	78%	1	0	1	5	4	0	0	1	0	5	0	5	0	1	2.20	1.38	1.00	**4.58**	**25%**	**Low**
D38	O_38	34.02221611	-118.395618	2.32	City Hall Centennial Garden	0.204	91%	2	5	5	5	4	0	0	4	5	5	0	5	0	3	4.20	2.38	3.00	**9.58**	**97%**	**High**
D39	O_39	34.02274819	-118.382174	2.29		0.225	92%	2	5	5	5	4	0	0	5	0	5	0	5	0	3	4.20	1.88	3.00	**9.08**	**96%**	**High**
D4	O_4	34.01984363	-118.385179	2.37		0.221	92%	2	1	5	5	4	0	0	5	0	1	0	5	3	3	3.40	1.75	3.00	**8.15**	**91%**	**High**
D40	O_40	34.02269746	-118.382002	0.82		0.080	76%	0	5	5	5	4	0	0	5	0	5	0	5	0	1	3.80	1.88	1.00	**6.68**	**79%**	**Medium**
D41	O_41	34.02252949	-118.381867	2.36		0.228	92%	2	5	5	5	4	0	0	5	0	5	0	5	0	3	4.20	1.88	3.00	**9.08**	**96%**	**High**
D42	O_42	34.00351784	-118.392627	0.30	P-946 Mesmer Ave and Overland Ave Sewer Pump Stations Diversion to New Bankfield Sewer Pump Station	0.017	44%	0	5	2	5	4	0	0	2	5	1	0	5	0	0	3.20	1.63	0.00	**4.83**	**33%**	**Low**
D43	O_43	34.00470039	-118.393374	0.61	P-946 Mesmer Ave and Overland Ave Sewer Pump Stations Diversion to New Bankfield Sewer Pump Station	0.033	58%	0	5	2	5	4	0	0	4	5	1	0	5	0	0	3.20	1.88	0.00	**5.08**	**40%**	**Low**
D44	O_44	34.00479183	-118.39383	4.39		0.258	93%	2	5	3	5	4	0	0	4	0	1	0	5	0	3	3.80	1.25	3.00	**8.05**	**91%**	**High**
D45	O_45	34.0063032	-118.39557	1.38		0.095	80%	1	5	4	5	4	0	0	2	0	5	0	3	3	1	3.80	1.63	1.00	**6.43**	**75%**	**Medium**
D46	O_46	34.00658615	-118.39449	2.68		0.197	91%	2	3	4	5	4	0	0	5	0	1	0	5	3	2	3.60	1.75	2.00	**7.35**	**86%**	**High**
D47	O_47	34.01145017	-118.389955	2.15		0.176	90%	2	3	5	5	4	0	0	5	0	5	0	5	0	2	3.80	1.88	2.00	**7.68**	**89%**	**High**
D48	O_48	34.0169524	-118.388048	0.10		0.009	32%	0	1	5	5	4	0	0	5	0	5	0	5	0	0	3.00	1.88	0.00	**4.88**	**34%**	**Low**
D49	O_49	34.01702832	-118.388003	2.92		0.261	94%	2	1	5	5	4	0	0	5	0	5	0	5	0	3	3.40	1.88	3.00	**8.28**	**93%**	**High**
D5	O_5	34.01115928	-118.415965	2.35		0.196	90%	2	5	5	5	4	0	0	4	0	5	5	4	0	2	4.20	2.25	2.00	**8.45**	**94%**	**High**
D50	O_50	34.0168861	-118.387788	11.12		0.409	97%	4	0	0	5	4	0	0	5	0	5	0	5	0	3	2.60	1.88	3.00	**7.48**	**87%**	**High**
D51	O_51	34.01660773	-118.388231	1.13	P-830 Skatepark Office and Restroom	0.083	77%	1	3	4	5	4	0	0	2	5	5	0	5	0	1	3.40	2.13	1.00	**6.53**	**77%**	**Medium**
D52	O_52	34.01725149	-118.388841	0.28		0.026	53%	0	0	5	5	4	0	0	5	0	5	0	5	5	0	2.80	2.50	0.00	**5.3**	**47%**	**Low**
D53	O_53	34.01646391	-118.388001	3.13	P-830 Skatepark Office and Restroom	0.095	80%	2	1	0	5	4	0	0	2	5	5	0	5	0	1	2.40	2.13	1.00	**5.53**	**54%**	**Medium**
D56	O_56	34.0166338	-118.387811	0.17	P-830 Skatepark Office and Restroom	0.015	41%	0	0	5	5	4	0	0	0	5	5	0	5	0	0	2.80	1.88	0.00	**4.68**	**30%**	**Low**
D57	O_57	34.01587646	-118.3873	0.37	P-830 Skatepark Office and Restroom	0.029	55%	0	0	5	5	4	0	0	0	5	5	0	5	0	0	2.80	1.88	0.00	**4.68**	**30%**	**Low**

DRY WELLS PRIORITIZATION SCORES

Site Information				Raw GIS Calculations				Physical Characteristics Scores					Multi-Benefit Scores								EWMP Volu	Score Summary					
Site ID	Name	Latitude	Longitude	Drainage Area (acres)	Co-located Project Name	EWMP Equivalent Volume (AF)	Volume Percentile	Drainage Area	Site Slope	Impervious Area	Within Drainage Area of Another Project	Hydrologic Soil Group	In Neighborhood with Localized Flood Issues	Private Development Projects in Drainage Area	Pollutant Source Areas	Co-located with Another City Project	Groundwater Constraints	Disadvantaged Community Benefit	Urban Heat Island Index	Ballona Creek Revitalization	EWMP Equivalent Volume	Normalized Physical Characteristics Score	Normalized Multi-Benefit Score	Normalized EWMP Volume Score	Final Score (out of 15)	Score Percentile (All Projects)	Bracket
D58	O_58	34.00337215	-118.392876	0.47	P-946 Mesmer Ave and Overland Ave Sewer Pump Stations Diversion to New Bankfield Sewer Pump Station	0.020	47%	0	5	1	5	4	0	0	4	5	1	0	2	0	0	3.00	1.50	0.00	**4.5**	**24%**	**Low**
D59	O_59	34.0220354	-118.382356	0.41		0.035	60%	0	5	4	5	4	0	0	5	0	5	0	5	0	0	3.60	1.88	0.00	**5.48**	**51%**	**Medium**
D6	O_6	34.0051208	-118.399537	1.36		0.116	84%	1	0	5	5	4	0	0	2	0	5	0	3	5	2	3.00	1.88	2.00	**6.88**	**82%**	**High**
D60	O_60	34.02085054	-118.398646	0.99		0.057	68%	0	5	2	5	4	0	0	4	0	5	3	4	0	1	3.20	2.00	1.00	**6.2**	**71%**	**Medium**
D61	O_61	34.01678477	-118.389027	0.51		0.036	60%	0	0	4	5	4	0	0	0	0	5	0	5	5	0	2.60	1.88	0.00	**4.48**	**22%**	**Low**
D62	O_62	34.01630051	-118.388838	0.42	P-830 Skatepark Office and Restroom	0.035	59%	0	1	5	5	4	0	0	0	5	5	0	5	3	0	3.00	2.25	0.00	**5.25**	**46%**	**Low**
D63	O_63	34.01610532	-118.388952	0.46	P-830 Skatepark Office and Restroom	0.037	61%	0	1	5	5	4	0	0	0	5	5	0	5	3	0	3.00	2.25	0.00	**5.25**	**46%**	**Low**
D64	O_64	34.0159126	-118.389066	1.02	P-830 Skatepark Office and Restroom	0.085	77%	1	1	5	5	4	0	0	0	5	5	0	5	3	1	3.20	2.25	1.00	**6.45**	**75%**	**Medium**
D65	O_65	34.00641439	-118.391924	1.01		0.056	67%	1	5	2	5	4	0	0	1	0	1	0	5	0	1	3.40	0.88	1.00	**5.28**	**47%**	**Low**
D66	O_66	34.00527407	-118.390343	0.63		0.037	61%	0	3	3	5	4	0	0	1	0	5	0	5	0	0	3.00	1.38	0.00	**4.38**	**20%**	**Low**
D67	O_67	34.00606347	-118.391892	0.13		0.006	24%	0	5	1	5	4	0	0	1	0	1	0	5	0	0	3.00	0.88	0.00	**3.88**	**9%**	**Low**
D68	O_68	34.00353881	-118.391897	0.04	P-946 Mesmer Ave and Overland Ave Sewer Pump Stations Diversion to New Bankfield Sewer Pump Station	0.002	13%	0	5	3	5	4	0	0	1	5	5	0	5	0	0	3.40	2.00	0.00	**5.4**	**50%**	**Low**
D69	O_69	34.02243892	-118.382525	0.26		0.014	40%	0	5	2	5	4	0	0	5	0	5	0	5	0	0	3.20	1.88	0.00	**5.08**	**40%**	**Low**
D7	O_7	34.00937324	-118.393907	5.01		0.274	94%	3	5	2	5	4	0	0	2	0	5	0	4	0	3	3.80	1.38	3.00	**8.18**	**92%**	**High**
D70	O_70	34.02198962	-118.382139	0.08		0.007	25%	0	5	5	5	4	0	0	4	0	5	0	5	0	0	3.80	1.75	0.00	**5.55**	**55%**	**Medium**
D71	O_71	34.01309313	-118.388671	0.49		0.028	54%	0	1	2	5	4	0	0	5	0	5	0	5	0	0	2.40	1.88	0.00	**4.28**	**17%**	**Low**
D72	O_72	34.01290677	-118.388765	0.34		0.012	37%	0	1	0	5	4	0	0	5	0	5	0	5	0	0	2.00	1.88	0.00	**3.88**	**9%**	**Low**
D73	O_73	34.01323751	-118.388762	9.36		0.325	96%	3	1	0	5	4	0	0	5	0	5	0	5	0	3	2.60	1.88	3.00	**7.48**	**87%**	**High**
D74	O_74	34.01240399	-118.387248	0.41		0.001	7%	0	1	0	5	4	0	0	0	0	5	0	5	0	0	2.00	1.25	0.00	**3.25**	**3%**	**Low**
D75	O_75	34.01252188	-118.38755	3.64		0.247	93%	2	1	0	5	4	0	0	0	0	5	0	5	0	3	2.40	1.25	3.00	**6.65**	**79%**	**Medium**
D76	O_76	34.00401644	-118.391406	0.05	P-946 Mesmer Ave and Overland Ave Sewer Pump Stations Diversion to New Bankfield Sewer Pump Station	0.004	20%	0	5	5	5	4	0	0	1	5	5	0	5	0	0	3.80	2.00	0.00	**5.8**	**60%**	**Medium**
D77	O_77	34.00399048	-118.39132	0.03	P-946 Mesmer Ave and Overland Ave Sewer Pump Stations Diversion to New Bankfield Sewer Pump Station	0.001	5%	0	5	0	5	4	0	0	1	5	5	0	5	0	0	2.80	2.00	0.00	**4.8**	**33%**	**Low**
D78	O_78	34.00303138	-118.390492	0.06		0.003	14%	0	5	1	5	4	0	0	1	0	5	0	5	0	0	3.00	1.38	0.00	**4.38**	**20%**	**Low**
D79	O_79	34.00316134	-118.390326	0.41		0.025	52%	0	5	3	5	4	0	0	1	0	5	0	5	0	0	3.40	1.38	0.00	**4.78**	**32%**	**Low**
D8	O_8	34.00540336	-118.39811	0.38		0.016	43%	0	5	1	5	4	0	0	2	0	5	0	3	3	0	3.00	1.63	0.00	**4.63**	**28%**	**Low**
D80	O_80	34.003356	-118.391251	0.41	P-946 Mesmer Ave and Overland Ave Sewer Pump Stations Diversion to New Bankfield Sewer Pump Station	0.024	51%	0	5	3	5	4	0	0	1	5	5	0	5	0	0	3.40	2.00	0.00	**5.4**	**50%**	**Low**
D81	O_81	34.00346939	-118.390778	0.04		0.003	13%	0	5	3	5	4	0	0	1	0	5	0	5	0	0	3.40	1.38	0.00	**4.78**	**32%**	**Low**
D82	O_82	34.0034971	-118.390697	0.03		0.002	12%	0	5	3	5	4	0	0	1	0	5	0	5	0	0	3.40	1.38	0.00	**4.78**	**32%**	**Low**
D83	O_83	34.00362828	-118.3907	0.02		0.001	4%	0	5	0	5	4	0	0	1	0	5	0	5	0	0	2.80	1.38	0.00	**4.18**	**14%**	**Low**

DRY WELLS PRIORITIZATION SCORES

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D84	O_84	34.00299809	-118.391421	0.09	P-946 Mesmer Ave and Overland Ave Sewer Pump Stations Diversion to New Bankfield Sewer Pump Station	0.002	11%	0	5	0	5	4	0	0	1	5	5	0	5	0	0	2.80	2.00	0.00	**4.8**	**33%**	**Low**
D85	O_85	34.00330483	-118.391732	0.14	P-946 Mesmer Ave and Overland Ave Sewer Pump Stations Diversion to New Bankfield Sewer Pump Station	0.007	27%	0	5	2	5	4	0	0	1	5	5	0	5	0	0	3.20	2.00	0.00	**5.2**	**45%**	**Low**
D86	O_86	34.00389275	-118.391201	0.27	P-946 Mesmer Ave and Overland Ave Sewer Pump Stations Diversion to New Bankfield Sewer Pump Station	0.011	35%	0	5	1	5	4	0	0	1	5	5	0	5	0	0	3.00	2.00	0.00	**5**	**39%**	**Low**
D87	O_87	34.00415546	-118.393066	0.15	P-946 Mesmer Ave and Overland Ave Sewer Pump Stations Diversion to New Bankfield Sewer Pump Station	0.010	33%	0	5	3	5	4	0	0	1	5	1	0	5	0	0	3.40	1.50	0.00	**4.9**	**36%**	**Low**
D88	O_88	34.0040295	-118.392962	0.09	P-946 Mesmer Ave and Overland Ave Sewer Pump Stations Diversion to New Bankfield Sewer Pump Station	0.005	23%	0	5	3	5	4	0	0	1	5	1	0	5	0	0	3.40	1.50	0.00	**4.9**	**36%**	**Low**
D89	O_89	34.00391504	-118.392841	0.08	P-946 Mesmer Ave and Overland Ave Sewer Pump Stations Diversion to New Bankfield Sewer Pump Station	0.003	13%	0	5	0	5	4	0	0	1	5	1	0	5	0	0	2.80	1.50	0.00	**4.3**	**18%**	**Low**
D9	O_9	34.00485218	-118.398459	0.34		0.018	45%	0	5	2	5	4	0	0	2	0	5	0	3	3	0	3.20	1.63	0.00	**4.83**	**33%**	**Low**
D91	O_91	34.00323576	-118.392234	0.30	P-946 Mesmer Ave and Overland Ave Sewer Pump Stations Diversion to New Bankfield Sewer Pump Station	0.013	39%	0	5	1	5	4	0	0	1	5	5	0	5	0	0	3.00	2.00	0.00	**5**	**39%**	**Low**
D92	O_92	34.00436796	-118.392421	0.18	P-946 Mesmer Ave and Overland Ave Sewer Pump Stations Diversion to New Bankfield Sewer Pump Station	0.012	37%	0	5	4	5	4	0	0	1	5	1	0	5	0	0	3.60	1.50	0.00	**5.1**	**42%**	**Low**
D93	O_93	34.00402207	-118.392253	0.18	P-946 Mesmer Ave and Overland Ave Sewer Pump Stations Diversion to New Bankfield Sewer Pump Station	0.011	35%	0	5	3	5	4	0	0	1	5	1	0	5	0	0	3.40	1.50	0.00	**4.9**	**36%**	**Low**
D95	O_95	34.00437861	-118.392748	0.13	P-946 Mesmer Ave and Overland Ave Sewer Pump Stations Diversion to New Bankfield Sewer Pump Station	0.003	14%	0	5	0	5	4	0	0	1	5	1	0	5	0	0	2.80	1.50	0.00	**4.3**	**18%**	**Low**
D99	O_99	34.00532344	-118.392686	0.07		0.001	9%	0	5	0	5	4	0	0	1	0	1	0	5	0	0	2.80	0.88	0.00	**3.68**	**6%**	**Low**

BIORETENTION PRIORITIZATION SCORES

Site Information						Raw GIS Calculations		Physical Characteristics Score					Multi-Benefit Scores								EWMP Volu	Score Summary					
Site ID	Footprint ID	Type	Street Name	Neighborhood	Storm Drain	Co-located Project Name	EWMP Equivalent Volume (AF)	Volume Percentile	Site Slope	ROW Width by Street Class	Utility Constraints	Within Drainage Area of Another Project	Hydrologic Soil Group	In Neighborhood with Localized Flood Issues	Private Development Projects in Drainage Area	Pollutant Source Areas	Co-located with Another City Project	Groundwater Constraints	Disadvantaged Community Benefit	Urban Heat Island Index	Ballona Creek Revitalization	EWMP Equivalent Volume	Normalized Physical Characteristics Score	Normalized Multi-Benefit Score	Normalized EWMP Volume Score	Final Score (out of 15)	Score Percentile (All Projects)	Bracket
BR1	2454	Bioretention	Buckingham	Fox Hills	Centinela Ave	Parks Master Plan	0.069	72%	1	5	5	5	4	0	0	4	5	5	0	3	0	1	4.00	2.13	1.00	**7.13**	**84.48%**	**High**
BR2	517	Bioretention	Farragut	Park West	RI Farragut B	CulverConnect	0.001	8%	3	3	5	0	4	0	0	2	5	5	0	3	0	0	3.00	1.88	0.00	**4.88**	**34.48%**	**Low**
BR3	2449	Bioretention	Rudman	Blanco/ Culver Crest	Slauson	CulverConnect	0.078	75%	1	3	0	5	4	0	0	2	5	3	0	2	0	1	2.60	1.50	1.00	**5.1**	**42.36%**	**Low**
BR4	2437	Bioretention	Drakewood	Blanco/ Culver Crest	RI Blanco Park		0.028	54%	1	3	1	0	4	0	0	2	0	5	0	2	0	0	1.80	1.13	0.00	**2.93**	**2.21%**	**Low**
BR5	651	Bioretention	Stoneview	Blair Hills	Rodeo Rd	Parks Master Plan	0.024	50%	1	1	5	5	4	0	0	2	5	5	0	5	0	0	3.20	2.13	0.00	**5.33**	**47.78%**	**Low**
BR6	533	Bioretention	Girard	Washington Culver	RI High School	Safe Routes to School	0.028	54%	3	3	5	5	4	0	0	2	5	5	5	4	0	0	4.00	2.63	0.00	**6.63**	**78.07%**	**Medium**
BR7	35	Bioretention	Garfield	Park West	RI High School	CulverConnect	0.020	47%	1	5	5	0	4	0	0	2	5	5	0	3	0	0	3.00	1.88	0.00	**4.88**	**34.48%**	**Low**
BR8	3191	Bioretention	Sawtelle	Sunkist Park	Sawtelle Blvd	CulverConnect	0.060	69%	3	5	5	5	4	0	0	2	5	3	0	2	3	1	4.40	1.88	1.00	**7.28**	**85.96%**	**High**
BR9	157	Bioretention	Milton	Clarkdale	RI High School	Safe Routes to School	0.023	50%	3	1	5	5	4	0	0	3	5	3	5	4	0	0	3.60	2.50	0.00	**6.1**	**68.47%**	**Medium**
BR10	423	Bioretention	Globe	McLaughlin	Westwood		0.001	6%	1	5	5	5	4	0	0	2	0	5	3	1	0	0	4.00	1.38	0.00	**5.38**	**49.50%**	**Low**
BR11	3187	Bioretention	Patom	Sunkist Park	Slauson		0.035	59%	1	3	0	5	4	0	0	2	0	3	0	2	0	0	2.60	0.88	0.00	**3.48**	**5.17%**	**Low**
BR12	865	Bioretention	Huntley	McLaughlin	Sepulveda Blvd		0.001	7%	1	1	5	5	4	0	0	2	0	1	3	1	0	0	3.20	0.88	0.00	**4.08**	**11.82%**	**Low**
BR13	3881	Bioretention	Jefferson	Fox Hills	Slauson	CulverConnect	0.030	56%	0	1	5	5	4	0	5	5	5	1	0	3	0	0	3.00	2.38	0.00	**5.38**	**49.50%**	**Low**
BR14	36	Bioretention	Oregon	Washington Culver	RI High School	Safe Routes to School	0.068	72%	1	1	5	0	4	0	0	2	5	5	5	4	0	1	2.20	2.63	1.00	**5.83**	**61.33%**	**Medium**
BR15	624	Bioretention	Shedd Terrace	Blair Hills	Rodeo Rd	Parks Master Plan	0.037	61%	0	1	1	5	4	0	0	2	5	5	0	5	0	0	2.20	2.13	0.00	**4.33**	**19.45%**	**Low**
BR16	98	Bioretention	Elenda	Park West	RI High School	Safe Routes to School	0.045	64%	3	5	5	0	4	0	0	2	5	5	3	3	0	0	3.40	2.25	0.00	**5.65**	**57.38%**	**Medium**
BR17	273	Bioretention	Lindblade	Park West	Sepulveda Blvd		0.010	34%	1	1	5	5	4	0	0	2	0	5	0	3	0	0	3.20	1.25	0.00	**4.45**	**20.93%**	**Low**
BR18	470	Bioretention	Lucerne	Lucerne/Higuera	Benedict Canyon	CulverConnect	0.015	41%	1	5	5	5	4	0	0	3	5	5	0	5	3	0	4.00	2.63	0.00	**6.63**	**78.07%**	**Medium**
BR19	204	Bioretention	Virgina	Studio Village	Overland S	CulverConnect	0.105	82%	1	5	5	5	4	0	0	2	5	1	0	5	0	2	4.00	1.63	2.00	**7.63**	**88.17%**	**High**
BR20	170	Bioretention	Overland	Park West	RI Farragut A	CIP Project	0.008	27%	1	1	5	0	4	0	0	4	5	5	0	3	0	0	2.20	2.13	0.00	**4.33**	**19.45%**	**Low**
BR21	3864	Bioretention	405 Fox Hills	Fox Hills	Fox Hills	Urban Forest Master Plan	0.032	58%	1	3	5	5	4	0	0	4	5	3	0	3	0	0	3.60	1.88	0.00	**5.48**	**51.72%**	**Medium**
BR22	518	Bioretention	Marietta	Clarkdale	RI High School	Safe Routes to School	0.025	51%	1	1	5	5	4	0	0	2	5	3	5	4	0	0	3.20	2.38	0.00	**5.58**	**56.15%**	**Medium**
BR23	2422	Bioretention	Galvin	Blanco/ Culver Crest	RI Lindberg North	CulverConnect	0.099	81%	1	3	0	0	4	0	0	3	5	5	0	2	0	1	1.60	1.88	1.00	**4.48**	**22.16%**	**Low**
BR24	68	Bioretention	Washington	Washington Culver	RI High School	Safe Routes to School	0.013	39%	3	1	0	5	4	0	0	4	5	5	5	4	0	0	2.60	2.88	0.00	**5.48**	**51.72%**	**Medium**
BR25	408	Bioretention	Studio	Studio Village	RI Lindberg North	PS-005 Arterial St. Pavement Rehabilitation	0.013	39%	1	3	5	0	4	0	0	2	5	5	0	3	0	0	2.60	1.88	0.00	**4.48**	**22.16%**	**Low**
BR26	3207	Bioretention	Segrell	Sunkist Park	Slauson		0.132	86%	1	3	0	5	4	0	5	2	0	1	0	2	0	2	2.60	1.25	2.00	**5.85**	**62.31%**	**Medium**
BR27	1841	Bioretention	Venice	Washington Culver	RI Veterans Park	Urban Forest Master Plan	0.001	7%	3	1	5	0	4	0	0	5	5	5	3	4	0	0	2.60	2.75	0.00	**5.35**	**48.76%**	**Low**
BR28	410	Bioretention	McLaughlin	McLaughlin	Westwood		0.005	23%	1	1	5	5	4	0	0	2	0	1	3	1	0	0	3.20	0.88	0.00	**4.08**	**11.82%**	**Low**
BR29	8	Bioretention	Harter	Park West	Sepulveda Blvd		0.077	74%	1	5	0	0	4	0	0	2	0	5	3	3	0	1	2.00	1.63	1.00	**4.63**	**28.81%**	**Low**
BR30	662	Bioretention	La Salle	Park East	RI Farragut B		0.013	38%	3	3	5	0	4	5	0	3	0	5	0	4	0	0	3.00	2.13	0.00	**5.13**	**43.84%**	**Low**
BR31	96	Bioretention	Farragut	Park East	Benedict Canyon	CIP Project	0.147	87%	3	5	0	5	4	5	0	3	5	5	0	4	0	2	3.40	2.75	2.00	**8.15**	**91.87%**	**High**
BR32	996	Bioretention	Venice	Clarkdale	Tellefson	Safe Routes to School	0.001	1%	1	1	5	5	4	0	0	2	5	5	5	4	0	0	3.20	2.63	0.00	**5.83**	**61.33%**	**Medium**
BR33	947	Bioretention	La Cinenega	Blair Hills	Rodeo Rd		0.001	5%	0	1	5	5	4	0	0	2	0	5	0	5	0	0	3.00	1.50	0.00	**4.5**	**24.13%**	**Low**
BR34	2416	Bioretention	Galvin	Blanco/ Culver Crest	Overland S	CulverConnect	0.101	82%	1	3	0	5	4	0	0	3	5	5	0	2	0	2	2.60	1.88	2.00	**6.48**	**76.35%**	**Medium**
BR35	3183	Bioretention	Matterson	Washington Culver	RI High School	Safe Routes to School	0.001	9%	3	3	5	5	4	0	0	2	5	5	5	4	0	0	4.00	2.63	0.00	**6.63**	**78.07%**	**Medium**
BR36	2420	Bioretention	Buckingham	Fox Hills	Baldwin Hills	CulverConnect	0.008	29%	0	5	5	5	4	0	0	5	5	5	0	3	0	0	3.80	2.25	0.00	**6.05**	**68.22%**	**Medium**
BR37	2542	Bioretention	Culview	Blanco/ Culver Crest	RI Blanco Park		0.007	26%	1	1	1	0	4	0	0	2	0	5	0	2	0	0	1.40	1.13	0.00	**2.53**	**1.72%**	**Low**
BR38	3875	Bioretention	Slauson	Sunkist Park	Slauson	CulverConnect	0.018	45%	1	1	5	5	4	0	5	2	5	1	0	2	0	0	3.20	1.88	0.00	**5.08**	**40.64%**	**Low**
BR39	37	Bioretention	Commonwealth	Clarkdale	RI High School	CulverConnect	0.054	66%	1	3	5	5	4	0	0	2	5	1	5	4	0	1	3.60	2.13	1.00	**6.73**	**80.29%**	**High**
BR40	90	Bioretention	Revere	Park East	Benedict Canyon	CIP Project	0.025	52%	3	1	5	5	4	5	0	3	5	5	0	4	3	0	3.60	3.13	0.00	**6.73**	**80.29%**	**High**
BR41	100	Bioretention	Culver	Park West	RI High School	Safe Routes to School	0.022	48%	3	3	5	0	4	0	0	3	5	5	3	3	0	0	3.00	2.38	0.00	**5.38**	**49.50%**	**Low**
BR42	706	Bioretention	Culver Center	Washington Culver	RI High School		0.001	2%	3	1	5	5	4	0	0	4	0	5	5	4	0	0	3.60	2.25	0.00	**5.85**	**62.31%**	**Medium**
BR43	617	Bioretention	Dunquesne	Park East	Benedict Canyon	CulverConnect	0.017	44%	3	5	5	5	4	5	0	3	5	5	3	5	3	0	4.40	3.63	0.00	**8.03**	**91.13%**	**High**
BR44	55	Bioretention	Piggott	Clarkdale	Tellefson	Safe Routes to School	0.026	52%	3	3	5	5	4	0	0	3	5	5	5	4	0	0	4.00	2.75	0.00	**6.75**	**80.78%**	**High**
BR45	2383	Bioretention	Easthan	Lucerne/Higuera	Higuera St	CulverConnect	0.011	35%	1	1	1	0	4	0	0	5	5	5	3	5	3	0	1.40	3.25	0.00	**4.65**	**29.55%**	**Low**
BR46	3955	Bioretention	Corryne	Fox Hills	Slauson		0.001	2%	3	3	5	5	4	0	0	4	0	1	0	3	0	0	4.00	1.00	0.00	**5**	**39.16%**	**Low**
BR47	2432	Bioretention	Playa	Blanco/ Culver Crest	Slauson	CulverConnect	0.111	83%	3	5	5	5	5	0	0	2	5	3	0	2	0	2	4.60	1.50	2.00	**8.1**	**91.62%**	**High**
BR48	134	Bioretention	Albright	McLaughlin	Westwood	Urban Forest Master Plan	0.022	49%	1	1	5	5	4	0	0	2	5	5	3	1	0	0	3.20	2.00	0.00	**5.2**	**45.07%**	**Low**
BR49	2964	Bioretention	Stever	Blanco/ Culver Crest	Slauson		0.029	55%	3	3	1	5	5	0	0	2	0	5	0	2	0	0	3.40	1.13	0.00	**4.53**	**25.36%**	**Low**
BR50	2408	Bioretention	Bristol	Fox Hills	Centinela Ave	PL-007 New Left Turn Signals	0.222	92%	0	1	1	5	4	0	0	4	5	5	0	3	0	3	2.20	2.13	3.00	**7.33**	**86.20%**	**High**
BR51	124	Bioretention	Harter	Clarkdale	RI High School	Safe Routes to School	0.018	46%	1	5	5	5	4	0	0	2	5	1	5	4	0	0	4.00	2.13	0.00	**6.13**	**69.21%**	**Medium**
BR52	2346	Bioretention	Helms	McManus	RI Syd Kronenthal A		0.002	11%	3	3	1	0	4	0	0	3	0	5	3	5	0	0	2.20	2.00	0.00	**4.2**	**16.50%**	**Low**
BR53	44	Bioretention	Overland	Park West	RI Farragut B	CIP Project	0.015	41%	1	1	5	0	4	0	0	4	5	5	0	4	0	0	2.20	2.25	0.00	**4.45**	**20.93%**	**Low**
BR54	669	Bioretention	Overland	Blanco/ Culver Crest	Overland S	CulverConnect	0.086	78%	1	5	5	0	5	0	0	2	5	5	0	5	0	1	3.20	2.13	1.00	**6.33**	**73.89%**	**Medium**
BR55	765	Bioretention	Tuller	Clarkdale	Sepulveda Blvd	Safe Routes to School	0.009	31%	1	1	5	5	4	0	0	2	5	5	5	4	0	0	3.20	2.63	0.00	**5.83**	**61.33%**	**Medium**
BR56	2404	Bioretention	Canterbury	Fox Hills	RI Fox Hill	CulverConnect	0.055	66%	1	5	5	0	4	0	0	2	5	5	0	3	0	1	3.00	1.88	1.00	**5.88**	**64.03%**	**Medium**
BR57	3111	Bioretention	Clarkdale	Clarkdale	Tellefson	Safe Routes to School	0.003	15%	3	1	0	5	4	0	0	3	5	5	5	4	0	0	2.60	2.75	0.00	**5.35**	**48.76%**	**Low**
BR58	3228	Bioretention	Orville	Sunkist Park	Sawtelle Blvd		0.078	75%	1	1	0	5	4	0	0	2	0	3	0	2	0	1	2.20	0.88	1.00	**4.08**	**11.82%**	**Low**
BR59	129	Bioretention	Vinton	Park East	Le Bourget Ave	P-684 Carlson Park Street Lights Upgrade	0.017	44%	1	1	1	5	4	5	0	2	5	5	0	4	0	0	2.40	2.63	0.00	**5.03**	**40.14%**	**Low**
BR60	1508	Bioretention	College	Clarkdale	Tellefson	Safe Routes to School	0.003	16%	1	5	5	5	4	0	0	3	5	5	5	4	0	0	4.00	2.75	0.00	**6.75**	**80.78%**	**High**
BR61	2482	Bioretention	Windsor	Fox Hills	RI Fox Hill		0.004	16%	1	3	5	0	4	0	0	2	0	5	0	3	0	0	2.60	1.25	0.00	**3.85**	**9.35%**	**Low**
BR62	72	Bioretention	Le Bourget	Park East	Le Bourget Ave	P-684 Carlson Park Street Lights Upgrade	0.039	62%	1	5	0	5	4	5	0	2	5	5	0	4	3	0	3.00	3.00	0.00	**6**	**67.24%**	**Medium**

BIORETENTION PRIORITIZATION SCORES

Site Information						Raw GIS Calculations			Physical Characteristics Score					Multi-Benefit Scores								EWMP Volu	Score Summary					
Site ID	Footprint ID	Type	Street Name	Neighborhood	Storm Drain	Co-located Project Name	EWMP Equivalent Volume (AF)	Volume Percentile	Site Slope	ROW Width by Street Class	Utility Constraints	Within Drainage Area of Another Project	Hydrologic Soil Group	In Neighborhood with Localized Flood Issues	Private Development Projects in Drainage Area	Pollutant Source Areas	Co-located with Another City Project	Groundwater Constraints	Disadvantaged Community Benefit	Urban Heat Island Index	Ballona Creek Revitalization	EWMP Equivalent Volume	Normalized Physical Characteristics Score	Normalized Multi-Benefit Score	Normalized EWMP Volume Score	Final Score (out of 15)	Score Percentile (All Projects)	Bracket
BR63	73	Bioretention	Arizona	Washington Culver	RI High School	Safe Routes to School	0.019	46%	1	5	0	5	4	0	0	2	5	5	5	4	0	0	3.00	2.63	0.00	**5.63**	**56.40%**	**Medium**
BR64	4	Bioretention	Washington	Clarkdale	RI High School	Safe Routes to School	0.004	17%	1	5	5	5	4	0	0	2	5	1	5	4	0	0	4.00	2.13	0.00	**6.13**	**69.21%**	**Medium**
BR65	3193	Bioretention	Hayter	Sunkist Park	Slauson		0.065	71%	1	3	0	5	4	0	0	2	0	3	0	2	0	1	2.60	0.88	1.00	**4.48**	**22.16%**	**Low**
BR66	293	Bioretention	Motor	Park East	Le Bourget Ave	P-684 Carlson Park Street Lights Upgrade	0.007	27%	1	3	5	5	4	5	0	2	5	5	0	4	0	0	3.60	2.63	0.00	**6.23**	**71.92%**	**Medium**
BR67	153	Bioretention	Wagner	Park West	Sepulveda Blvd		0.008	28%	1	5	5	5	4	0	0	2	0	5	3	3	0	0	4.00	1.63	0.00	**5.63**	**56.40%**	**Medium**
BR68	5	Bioretention	Sepulveda	Clarkdale	Sepulveda Blvd	Safe Routes to School	0.062	70%	1	5	0	5	4	0	0	4	5	1	5	4	0	1	3.00	2.38	1.00	**6.38**	**74.63%**	**Medium**
BR69	3196	Bioretention	Sepulveda	Sunkist Park	Sawtelle Blvd	Urban Forest Master Plan	0.049	65%	1	1	1	5	4	0	0	3	5	5	0	2	5	0	2.40	2.50	0.00	**4.9**	**36.20%**	**Low**
BR70	3802	Bioretention	Clarmon	Blanco/ Culver Crest	RI Lindberg North		0.010	33%	1	3	0	0	5	0	0	2	0	5	0	2	0	0	1.80	1.13	0.00	**2.93**	**2.21%**	**Low**
BR71	2341	Bioretention	Caroline	McManus	Jacob St		0.009	32%	3	1	0	0	4	0	0	3	0	5	0	5	0	0	1.60	1.63	0.00	**3.23**	**3.20%**	**Low**
BR72	2506	Bioretention	Overland	Blanco/ Culver Crest	RI Lindberg North	CulverConnect	0.035	60%	1	5	5	0	4	0	0	2	5	5	0	2	0	0	3.00	1.75	0.00	**4.75**	**31.77%**	**Low**
BR73	115	Bioretention	Fairbanks	Studio Village	RI Lindberg North	PS-005 Arterial St. Pavement Rehabilitation	0.023	49%	1	3	0	0	4	0	0	2	5	5	0	3	0	0	1.60	1.88	0.00	**3.48**	**5.17%**	**Low**
BR74	3264	Bioretention	Janisann	Sunkist Park	Sawtelle Blvd		0.058	68%	1	3	0	5	4	0	0	2	0	3	0	2	0	1	2.60	0.88	1.00	**4.48**	**22.16%**	**Low**
BR75	3209	Bioretention	Hannum	Blanco/ Culver Crest	Slauson		0.058	68%	3	1	5	5	4	0	0	2	0	3	0	2	0	1	3.60	0.88	1.00	**5.48**	**51.72%**	**Medium**
BR76	1100	Bioretention	Cloverdale	Blair Hills	Rodeo Rd		0.003	13%	0	1	5	5	4	0	0	2	0	5	0	5	0	0	3.00	1.50	0.00	**4.5**	**24.13%**	**Low**
BR77	15	Bioretention	Bentley	Clarkdale	Tellefson	Safe Routes to School	0.219	91%	3	5	5	5	4	0	0	2	5	5	5	4	0	3	4.40	2.63	3.00	**10.03**	**98.52%**	**High**
BR78	3188	Bioretention	Ocean	Studio Village	Ocean Dr	Parks Master Plan	0.072	74%	1	1	5	0	4	0	0	2	5	5	0	3	5	1	2.20	2.50	1.00	**5.7**	**58.62%**	**Medium**
BR79	1155	Bioretention	Spad	Washington Culver	RI High School	Safe Routes to School	0.003	14%	1	1	5	5	4	0	0	3	5	5	5	4	0	0	3.20	2.75	0.00	**5.95**	**66.00%**	**Medium**
BR80	34	Bioretention	Charles	Clarkdale	RI High School	Safe Routes to School	0.067	72%	1	1	5	5	4	0	0	3	5	3	5	4	0	1	3.20	2.50	1.00	**6.7**	**80.04%**	**High**
BR81	2373	Bioretention	Higuera	Lucerne/Higuera	Higuera St	CulverConnect	0.023	50%	1	5	5	5	4	0	0	5	5	5	3	5	3	0	4.00	3.25	0.00	**7.25**	**85.46%**	**High**
BR82	2354	Bioretention	Schaefer	Lucerne/Higuera	Hayden Ave		0.000	1%	1	1	5	5	4	0	0	5	0	5	0	5	0	0	3.20	1.88	0.00	**5.08**	**40.64%**	**Low**
BR83	3359	Bioretention	Malat	Blanco/ Culver Crest	Slauson	Parks Master Plan	0.166	89%	1	3	0	5	4	0	0	2	5	3	0	2	0	2	2.60	1.50	2.00	**6.1**	**68.47%**	**Medium**
BR84	3042	Bioretention	Sawtelle	Blanco/ Culver Crest	Slauson	Parks Master Plan	0.008	30%	1	5	5	5	5	0	0	4	5	3	0	2	0	0	4.20	1.75	0.00	**5.95**	**66.00%**	**Medium**
BR85	2378	Bioretention	Hayden	Lucerne/Higuera	Hayden Ave	CulverConnect	0.001	3%	1	3	5	5	4	0	0	5	5	5	0	5	0	0	3.60	2.50	0.00	**6.1**	**68.47%**	**Medium**
BR86	2369	Bioretention	Roberts	McManus	Manus Park	Parks Master Plan	0.002	11%	3	1	5	0	5	0	0	2	5	5	3	5	3	0	2.80	2.88	0.00	**5.68**	**58.12%**	**Medium**
BR87	88	Bioretention	Huntley Pl	Park West	Sepulveda Blvd		0.021	48%	1	3	1	5	4	0	0	2	0	3	0	3	0	0	2.80	1.00	0.00	**3.8**	**8.62%**	**Low**
BR88	764	Bioretention	Coogan	Washington Culver	RI High School	Safe Routes to School	0.002	10%	0	1	5	5	4	0	0	2	5	5	5	4	0	0	3.00	2.63	0.00	**5.63**	**56.40%**	**Medium**
BR89	67	Bioretention	Prospect	Clarkdale	Tellefson	Safe Routes to School	0.138	86%	3	5	5	5	4	0	0	3	5	5	5	4	0	2	4.40	2.75	2.00	**9.15**	**96.79%**	**High**
BR90	135	Bioretention	Franklin	Park West	RI High School	CulverConnect	0.032	57%	1	1	5	0	4	0	0	2	5	5	0	3	0	0	2.20	1.88	0.00	**4.08**	**11.82%**	**Low**
BR91	18	Bioretention	Madison	Park East	Benedict Canyon	CulverConnect	0.141	87%	3	5	5	5	4	5	0	3	5	5	0	4	3	2	4.40	3.13	2.00	**9.53**	**97.53%**	**High**
BR92	28	Bioretention	Garfield	Park West	RI Farragut B	CulverConnect	0.002	12%	3	5	5	0	4	0	0	3	5	5	0	3	0	0	3.40	2.00	0.00	**5.4**	**50.49%**	**Medium**
BR93	371	Bioretention	W Washington	McLaughlin	Westwood	Urban Forest Master Plan	0.005	22%	1	3	5	5	4	0	0	3	5	5	3	1	0	0	3.60	2.13	0.00	**5.73**	**59.35%**	**Medium**
BR94	2556	Bioretention	Cranks	Blanco/ Culver Crest	RI Blanco Park		0.010	33%	0	1	0	0	4	0	0	2	0	5	0	2	0	0	1.00	1.13	0.00	**2.13**	**0.00%**	**Low**
BR95	13	Bioretention	Keystone	Park East	Le Bourget Ave	P-684 Carlson Park Street Lights Upgrade	0.180	90%	1	5	0	5	4	5	0	2	5	5	0	4	0	2	3.00	2.63	2.00	**7.63**	**88.17%**	**High**
BR96	520	Bioretention	Westwood	Studio Village	RI Lindberg North	PS-005 Arterial St. Pavement Rehabilitation	0.079	76%	1	5	0	0	4	0	0	2	5	5	0	3	0	1	2.00	1.88	1.00	**4.88**	**34.48%**	**Low**
BR97	94	Bioretention	Piggott	Clarkdale	Sepulveda Blvd	Safe Routes to School	0.020	47%	3	3	5	5	4	0	0	4	5	5	5	4	0	0	4.00	2.88	0.00	**6.88**	**82.75%**	**High**
BR98	285	Bioretention	Culver	Downtown	Benedict Canyon	Urban Forest Master Plan	0.002	12%	3	5	0	5	4	0	0	2	5	5	0	5	0	0	3.40	2.13	0.00	**5.53**	**54.67%**	**Medium**
BR99	812	Bioretention	Girard	Washington Culver	Tellefson	Safe Routes to School	0.016	42%	3	5	5	5	4	0	0	3	5	5	5	4	0	0	4.40	2.75	0.00	**7.15**	**84.97%**	**High**
BR100	17	Bioretention	La Salle	Park East	Benedict Canyon		0.062	70%	3	5	1	5	4	5	0	3	0	5	0	4	5	1	3.60	2.75	1.00	**7.35**	**86.45%**	**High**
BR101	19	Bioretention	Lucerne-Higuera	Downtown	Benedict Canyon		0.005	21%	3	1	5	5	4	0	0	5	0	5	3	5	0	0	3.60	2.25	0.00	**5.85**	**62.31%**	**Medium**
BR102	3	Bioretention	Pickford	Studio Village	Overland S	CulverConnect	0.159	88%	3	5	0	5	4	0	5	2	5	1	0	3	3	2	3.40	2.38	2.00	**7.78**	**90.39%**	**High**
BR103	488	Bioretention	Leahy	Jefferson	Benedict Canyon		0.001	9%	3	1	5	5	4	0	0	5	0	5	0	5	3	0	3.60	2.25	0.00	**5.85**	**62.31%**	**Medium**
BR104	3204	Bioretention	Dobson	Studio Village	Stevens Cir		0.031	57%	1	5	5	5	4	0	0	2	0	5	0	2	0	0	4.00	1.13	0.00	**5.13**	**43.84%**	**Low**
BR105	3195	Bioretention	Berryman	Sunkist Park	Slauson	Parks Master Plan	0.072	74%	1	5	5	5	4	0	0	2	5	3	0	2	0	1	4.00	1.50	1.00	**6.5**	**76.84%**	**Medium**
BR106	2413	Bioretention	Canterbury	Fox Hills	Centinela Ave	CulverConnect	0.013	38%	1	5	5	5	4	0	0	2	5	5	0	3	0	0	4.00	1.88	0.00	**5.88**	**64.03%**	**Medium**
BR107	3314	Bioretention	Rhoda	Studio Village	Stevens Cir	PS-005 Arterial St. Pavement Rehabilitation	0.009	31%	1	5	5	5	4	0	0	2	5	5	0	2	3	0	4.00	2.13	0.00	**6.13**	**69.21%**	**Medium**
BR108	3249	Bioretention	Westwood	Studio Village	Stevens Cir	PS-005 Arterial St. Pavement Rehabilitation	0.049	65%	1	5	1	0	4	0	0	2	5	5	0	3	0	0	2.20	1.88	0.00	**4.08**	**11.82%**	**Low**
BR109	2441	Bioretention	Summer	Fox Hills	RI Fox Hill		0.004	17%	1	3	5	0	4	0	0	2	0	5	0	3	0	0	2.60	1.25	0.00	**3.85**	**9.35%**	**Low**
BR110	195	Bioretention	Braddock	Park East	RI Farragut B		0.014	39%	3	5	5	0	4	5	0	2	0	5	0	4	0	0	3.40	2.00	0.00	**5.4**	**50.49%**	**Medium**
BR111	64	Bioretention	Ocean	Studio Village	Overland S	CulverConnect	0.024	51%	1	1	5	5	4	0	0	2	5	5	0	3	5	0	3.20	2.50	0.00	**5.7**	**58.62%**	**Medium**
BR112	472	Bioretention	Tilden	Clarkdale	RI High School	Safe Routes to School	0.019	46%	1	1	5	5	4	0	0	3	5	1	5	4	0	0	3.20	2.25	0.00	**5.45**	**51.47%**	**Medium**
BR113	99	Bioretention	Elenda	Clarkdale	RI High School	Safe Routes to School	0.027	54%	1	5	0	5	4	0	0	2	5	3	5	4	0	0	3.00	2.38	0.00	**5.38**	**49.50%**	**Low**
BR114	9	Bioretention	Pickford	Studio Village	RI Lindberg North	CulverConnect	0.083	77%	3	3	0	0	4	0	5	2	5	1	0	3	0	1	2.00	2.00	1.00	**5**	**39.16%**	**Low**
BR115	1372	Bioretention	Dunquesne	Washington Culver	Benedict Canyon	Urban Forest Master Plan	0.003	16%	1	1	5	5	4	0	0	2	5	5	3	5	0	0	3.20	2.50	0.00	**5.7**	**58.62%**	**Medium**
BR116	295	Bioretention	Braddock	Park West	Sepulveda Blvd		0.009	32%	1	5	0	0	4	0	0	2	0	5	0	3	0	0	2.00	1.25	0.00	**3.25**	**3.44%**	**Low**

BIORETENTION PRIORITIZATION SCORES

Site Information						Raw GIS Calculations			Physical Characteristics Score					Multi-Benefit Scores									EWMP Volu	Score Summary					
Site ID	Footprint ID	Type	Street Name	Neighborhood	Storm Drain	Co-located Project Name	EWMP Equivalent Volume (AF)	Volume Percentile	Site Slope	ROW Width by Street Class	Utility Constraints	Within Drainage Area of Another Project	Hydrologic Soil Group	In Neighborhood with Localized Flood Issues	Private Development Projects in Drainage Area	Pollutant Source Areas	Co-located with Another City Project	Groundwater Constraints	Disadvantaged Community Benefit	Urban Heat Island Index	Ballona Creek Revitalization	EWMP Equivalent Volume	Normalized Physical Characteristics Score	Normalized Multi-Benefit Score	Normalized EWMP Volume Score	Final Score (out of 15)	Score Percentile (All Projects)	Bracket
BR117	3201	Bioretention	Jefferson	Studio Village	Stevens Cir	PS-005 Arterial St. Pavement Rehabilitation	0.017	45%	3	1	5	5	4	0	5	3	5	5	0	3	0	0	3.60	2.63	0.00	**6.23**	**71.92%**	**Medium**
BR118	56	Bioretention	Garfield	Park West	Sepulveda Blvd	CulverConnect	0.017	43%	1	3	0	5	4	0	0	2	5	3	3	3	0	0	2.60	2.00	0.00	**4.6**	**28.57%**	**Low**
BR119	101	Bioretention	Mentone	Park East	Le Bourget Ave	P-684 Carlson Park Street Lights Upgrade	0.015	42%	1	3	0	5	4	5	0	2	5	5	0	4	0	0	2.60	2.63	0.00	**5.23**	**45.81%**	**Low**
BR120	939	Bioretention	La Salle	Park East	RI Veterans Park		0.008	29%	3	3	5	0	4	5	0	3	0	5	0	4	0	0	3.00	2.13	0.00	**5.13**	**43.84%**	**Low**
BR121	53	Bioretention	Irving	Lucerne/Higuera	Benedict Canyon	PS-005 Arterial St. Pavement Rehabilitation	0.099	82%	3	5	5	0	4	0	0	3	5	5	0	5	0	1	3.40	2.25	1.00	**6.65**	**79.06%**	**Medium**
BR122	16	Bioretention	Jasmin	Park East	Le Bourget Ave	P-684 Carlson Park Street Lights Upgrade	0.059	69%	1	3	0	5	4	5	0	2	5	5	0	4	3	1	2.60	3.00	1.00	**6.6**	**77.58%**	**Medium**
BR123	3624	Bioretention	Rhoda	Studio Village	RI Lindberg North	Parks Master Plan	0.004	19%	3	3	5	0	4	0	0	2	5	5	0	3	0	0	3.00	1.88	0.00	**4.88**	**34.48%**	**Low**
BR124	3381	Bioretention	Diller	Sunkist Park	Slauson	Parks Master Plan	0.006	23%	3	5	5	5	4	0	0	2	5	3	0	2	0	0	4.40	1.50	0.00	**5.9**	**65.51%**	**Medium**
BR125	2405	Bioretention	Slauson	Fox Hills	Baldwin Hills	PS-005 Arterial St. Pavement Rehabilitation	0.005	21%	0	5	0	5	4	0	5	4	5	5	0	3	0	0	2.80	2.75	0.00	**5.55**	**55.41%**	**Medium**
BR126	175	Bioretention	Huron	Clarkdale	Tellefson	Safe Routes to School	0.016	43%	1	5	5	5	4	0	0	3	5	5	5	4	0	0	4.00	2.75	0.00	**6.75**	**80.78%**	**High**
BR127	133	Bioretention	Fairbanks	Studio Village	Overland S	PS-005 Arterial St. Pavement Rehabilitation	0.010	33%	1	5	0	5	4	0	0	2	5	5	0	3	0	0	3.00	1.88	0.00	**4.88**	**34.48%**	**Low**
BR128	2419	Bioretention	Buckingham	Fox Hills	RI Fox Hill	Parks Master Plan	0.066	71%	1	5	5	0	4	0	0	4	5	5	0	3	0	1	3.00	2.13	1.00	**6.13**	**69.21%**	**Medium**
BR129	30	Bioretention	Berryman	McLaughlin	Westwood		0.031	57%	1	1	5	5	4	0	0	2	0	5	0	1	0	0	3.20	1.00	0.00	**4.2**	**16.50%**	**Low**
BR130	205	Bioretention	Aletta	Clarkdale	RI High School	Safe Routes to School	0.138	87%	1	5	0	5	4	0	0	3	5	5	5	4	0	2	3.00	2.75	2.00	**7.75**	**90.14%**	**High**
BR131	2806	Bioretention	Kensington	Fox Hills	RI Fox Hill		0.001	3%	1	5	5	0	4	0	0	2	0	5	0	3	0	0	3.00	1.25	0.00	**4.25**	**17.48%**	**Low**
BR132	31	Bioretention	Bledsoe	McLaughlin	Westwood		0.027	53%	1	1	5	5	4	0	0	2	0	5	3	1	0	0	3.20	1.38	0.00	**4.58**	**25.86%**	**Low**
BR133	89	Bioretention	Franklin	Park West	Sepulveda Blvd		0.021	48%	1	1	0	5	4	0	0	2	0	3	0	3	0	0	2.20	1.00	0.00	**3.2**	**2.95%**	**Low**
BR134	3766	Bioretention	Kinston	Blanco/ Culver Crest	Slauson	Parks Master Plan	0.055	66%	1	3	0	5	5	0	5	2	5	5	0	2	0	1	2.80	2.38	1.00	**6.18**	**70.93%**	**Medium**
BR135	3262	Bioretention	Rhoda	Studio Village	Ocean Dr	Parks Master Plan	0.080	76%	3	5	1	5	4	0	0	2	5	5	0	3	3	1	3.60	2.25	1.00	**6.85**	**82.51%**	**High**
BR136	2367	Bioretention	Reid	McManus	Jacob St	CulverConnect	0.027	53%	3	1	1	5	5	0	0	4	5	5	3	5	3	0	3.00	3.13	0.00	**6.13**	**69.21%**	**Medium**
BR137	2427	Bioretention	Flaxton	Blanco/ Culver Crest	RI Lindberg North	CulverConnect	0.312	95%	1	5	0	0	4	0	0	2	5	5	0	2	0	3	2.00	1.75	3.00	**6.75**	**80.78%**	**High**
BR138	2384	Bioretention	Higuera	Lucerne/Higuera	Hayden Ave	CulverConnect	0.001	4%	1	5	5	5	4	0	0	2	5	5	0	5	0	0	4.00	2.13	0.00	**6.13**	**69.21%**	**Medium**
BR139	2779	Bioretention	Slauson	Fox Hills	RI Fox Hill	PS-005 Arterial St. Pavement Rehabilitation	0.000	0%	3	1	5	0	4	0	5	2	5	5	0	3	0	0	2.60	2.50	0.00	**5.1**	**42.36%**	**Low**
BR140	3281	Bioretention	Ryandale	Sunkist Park	Slauson	Parks Master Plan	0.024	51%	1	3	1	5	4	0	0	2	5	3	0	2	0	0	2.80	1.50	0.00	**4.3**	**18.47%**	**Low**
BR141	1104	Bioretention	Overland	Washington Culver	RI Veterans Park	CulverConnect	0.004	17%	1	1	1	0	4	0	0	3	5	5	5	4	0	0	1.40	2.75	0.00	**4.15**	**13.79%**	**Low**
BR142	887	Bioretention	Overland	Park West	RI High School	Parks Master Plan	0.001	7%	1	1	5	0	4	0	0	2	5	5	0	3	0	0	2.20	1.88	0.00	**4.08**	**11.82%**	**Low**
BR143	3813	Bioretention	Whitburn	Blanco/ Culver Crest	Slauson		0.004	19%	3	5	1	0	5	0	5	2	0	5	0	2	0	0	2.80	1.75	0.00	**4.55**	**25.61%**	**Low**
BR144	869	Bioretention	Keystone	Park East	RI Farragut B	P-684 Carlson Park Street Lights Upgrade	0.011	36%	3	3	0	0	4	5	0	2	5	5	0	4	0	0	2.00	2.63	0.00	**4.63**	**28.81%**	**Low**
BR145	664	Bioretention	Wagner	Park West	RI High School	Parks Master Plan	0.050	66%	1	5	1	0	4	0	0	2	5	5	3	3	0	0	2.20	2.25	0.00	**4.45**	**20.93%**	**Low**
BR146	3197	Bioretention	Cota	Studio Village	Stevens Cir	Parks Master Plan	0.260	94%	1	3	0	0	4	0	5	2	5	5	0	3	5	3	1.60	3.13	3.00	**7.73**	**89.65%**	**High**
BR147	47	Bioretention	Venice	McLaughlin	Sepulveda Blvd		0.022	49%	1	5	5	5	4	0	0	2	0	1	5	4	0	0	4.00	1.50	0.00	**5.5**	**54.18%**	**Medium**
BR148	2837	Bioretention	Kelmore	Blanco/ Culver Crest	Slauson	CulverConnect	0.009	32%	1	3	5	5	5	0	0	2	5	5	0	2	0	0	3.80	1.75	0.00	**5.55**	**55.41%**	**Medium**
BR149	43	Bioretention	Lindblade	Park West	RI High School		0.008	29%	1	5	5	0	4	0	0	2	0	5	0	3	0	0	3.00	1.25	0.00	**4.25**	**17.48%**	**Low**
BR150	2410	Bioretention	Grayridge	Blanco/ Culver Crest	Slauson		0.032	58%	1	1	1	5	4	0	0	2	0	3	0	2	0	0	2.40	0.88	0.00	**3.28**	**4.18%**	**Low**
BR151	266	Bioretention	Braddock	Lucerne/Higuera	Benedict Canyon	PS-005 Arterial St. Pavement Rehabilitation	0.012	37%	3	3	5	5	4	0	0	3	5	5	0	5	0	0	4.00	2.25	0.00	**6.25**	**72.41%**	**Medium**
BR152	3220	Bioretention	Sawtelle	Sunkist Park	Slauson	CulverConnect	0.077	75%	3	5	5	5	4	0	0	2	5	3	0	2	0	1	4.40	1.50	1.00	**6.9**	**83.25%**	**High**
BR153	3223	Bioretention	Vera	Blanco/ Culver Crest	Slauson	CulverConnect	0.063	71%	3	1	1	5	4	0	0	2	5	3	0	2	0	1	2.80	1.50	1.00	**5.3**	**47.29%**	**Low**
BR154	113	Bioretention	Atlantic	Culver/West	Mar Vista		0.022	49%	3	3	1	5	4	0	0	2	0	1	3	1	0	0	3.20	0.88	0.00	**4.08**	**11.82%**	**Low**
BR155	45	Bioretention	Westwood	Washington Culver	RI High School	Safe Routes to School	0.096	81%	1	1	5	5	4	0	0	3	5	5	5	4	0	1	3.20	2.75	1.00	**6.95**	**83.74%**	**High**
BR156	2406	Bioretention	Overland	Blanco/ Culver Crest	Slauson	CulverConnect	0.015	42%	1	5	1	0	4	0	0	2	5	5	0	2	0	0	2.20	1.75	0.00	**3.95**	**10.59%**	**Low**
BR157	332	Bioretention	Jordan	Jefferson	Overland S		0.005	22%	3	1	5	5	4	0	0	4	0	1	0	5	0	0	3.60	1.25	0.00	**4.85**	**34.23%**	**Low**
BR158	3208	Bioretention	Orville	Sunkist Park	Slauson		0.048	65%	1	3	5	5	4	0	0	2	0	3	0	2	0	0	3.60	0.88	0.00	**4.48**	**22.16%**	**Low**
BR159	20	Bioretention	Culver	McLaughlin	Sepulveda Blvd	CulverConnect	0.016	42%	0	3	5	5	4	0	0	3	5	1	3	1	0	0	3.40	1.63	0.00	**5.03**	**40.14%**	**Low**
BR160	2352	Bioretention	Helms	McManus	Jacob St		0.001	6%	3	1	1	0	4	0	0	3	0	5	3	5	0	0	1.80	2.00	0.00	**3.8**	**8.62%**	**Low**
BR161	3867	Bioretention	Slauson	Fox Hills	Slauson	PS-005 Arterial St. Pavement Rehabilitation	0.031	56%	1	5	5	5	4	0	5	4	5	1	0	3	0	0	4.00	2.25	0.00	**6.25**	**72.41%**	**Medium**
BR162	2750	Bioretention	Stephon	Blanco/ Culver Crest	RI Blanco Park		0.003	15%	1	1	1	0	4	0	0	2	0	5	0	2	0	0	1.40	1.13	0.00	**2.53**	**1.72%**	**Low**
BR163	1911	Bioretention	Vicestone	Blair Hills	Rodeo Rd		0.001	2%	1	3	5	5	4	0	0	2	0	5	0	5	0	0	3.60	1.50	0.00	**5.1**	**42.36%**	**Low**
BR164	298	Bioretention	Jefferson	Studio Village	RI Lindberg North	PS-005 Arterial St. Pavement Rehabilitation	0.097	81%	3	3	5	0	4	0	5	3	5	1	0	3	0	1	3.00	2.13	1.00	**6.13**	**69.21%**	**Medium**
BR165	1177	Bioretention	Overland	Park West	RI Veterans Park	CIP Project	0.001	9%	3	1	5	0	4	0	0	3	5	5	0	4	0	0	2.60	2.13	0.00	**4.73**	**31.28%**	**Low**
BR166	2430	Bioretention	Kelmore	Blanco/ Culver Crest	RI Blanco Park	CulverConnect	0.116	85%	1	3	0	0	4	0	0	2	5	5	0	2	0	2	1.60	1.75	2.00	**5.35**	**48.76%**	**Low**
BR167	3479	Bioretention	Blanco	Blanco/ Culver Crest	Slauson	CulverConnect	0.007	25%	3	1	1	5	4	0	0	2	5	3	0	2	0	0	2.80	1.50	0.00	**4.3**	**18.47%**	**Low**

BIORETENTION PRIORITIZATION SCORES

Site Information						Raw GIS Calculations			Physical Characteristics Score					Multi-Benefit Scores									EWMP Volu	Score Summary					
Site ID	Footprint ID	Type	Street Name	Neighborhood	Storm Drain	Co-located Project Name	EWMP Equivalent Volume (AF)	Volume Percentile	Site Slope	ROW Width by Street Class	Utility Constraints	Within Drainage Area of Another Project	Hydrologic Soil Group	In Neighborhood with Localized Flood Issues	Private Development Projects in Drainage Area	Pollutant Source Areas	Co-located with Another City Project	Groundwater Constraints	Disadvantaged Community Benefit	Urban Heat Island Index	Ballona Creek Revitalization	EWMP Equivalent Volume	Normalized Physical Characteristics Score	Normalized Multi-Benefit Score	Normalized EWMP Volume Score	Final Score (out of 15)	Score Percentile (All Projects)	Bracket
BR168	2442	Bioretention	Northgate	Blanco/ Culver Crest	Overland S	CulverConnect	0.117	85%	1	1	5	5	4	0	0	3	5	5	0	2	0	2	3.20	1.88	2.00	**7.08**	**84.23%**	**High**
BR169	70	Bioretention	Herbert	McLaughlin	Westwood		0.093	79%	1	1	0	5	4	0	0	2	0	5	3	1	0	1	2.20	1.38	1.00	**4.58**	**25.86%**	**Low**
BR170	3189	Bioretention	Kalein	Sunkist Park	Sawtelle Blvd		0.168	89%	3	1	0	5	4	0	0	2	0	3	0	2	0	2	2.60	0.88	2.00	**5.48**	**51.72%**	**Medium**
BR171	1	Bioretention	Jackson	Park East	Benedict Canyon		0.045	63%	3	5	0	5	4	5	0	3	0	5	0	4	3	0	3.40	2.50	0.00	**5.9**	**65.51%**	**Medium**
BR172	50	Bioretention	Kinston	Studio Village	RI Lindberg North	PS-005 Arterial St. Pavement Rehabilitation	0.239	93%	3	5	5	0	4	0	5	2	5	5	0	3	0	3	3.40	2.50	3.00	**8.9**	**95.32%**	**High**
BR173	1491	Bioretention	Studio	Studio Village	Ocean Dr	PS-005 Arterial St. Pavement Rehabilitation	0.008	28%	1	3	5	0	4	0	0	2	5	5	0	3	0	0	2.60	1.88	0.00	**4.48**	**22.16%**	**Low**
BR174	2343	Bioretention	Caroline	McManus	RI Syd Kronenthal A		0.009	30%	3	1	5	0	4	0	0	3	0	5	0	5	0	0	2.60	1.63	0.00	**4.23**	**16.99%**	**Low**
BR175	2351	Bioretention	Wesley	McManus	Wesley St	Urban Forest Master Plan	0.001	5%	3	3	5	5	4	0	0	3	5	5	3	5	0	0	4.00	2.63	0.00	**6.63**	**78.07%**	**Medium**
BR176	128	Bioretention	Farragut	Lucerne/Higuera	Benedict Canyon	CulverConnect	0.019	46%	3	3	1	5	4	0	0	2	5	5	0	5	0	0	3.20	2.13	0.00	**5.33**	**47.78%**	**Low**
BR177	2344	Bioretention	Shebourne	McManus	Jacob St		0.001	8%	3	3	5	0	4	0	0	2	0	5	3	5	0	0	3.00	1.88	0.00	**4.88**	**34.48%**	**Low**
BR178	3850	Bioretention	Playa	Fox Hills	Slauson	CulverConnect	0.007	26%	1	5	5	5	5	0	0	3	5	3	0	3	0	0	4.20	1.75	0.00	**5.95**	**66.00%**	**Medium**
BR179	1025	Bioretention	Lenawee	Blair Hills	Rodeo Rd		0.051	66%	1	1	1	5	4	0	0	2	0	5	0	5	0	1	2.40	1.50	1.00	**4.9**	**36.20%**	**Low**
BR180	2340	Bioretention	Exposition	Lucerne/Higuera	Wesley St		0.000	0%	1	1	5	5	4	0	0	4	0	5	3	3	0	0	3.20	1.88	0.00	**5.08**	**40.64%**	**Low**
BR181	76	Bioretention	Layfayette	Lucerne/Higuera	Benedict Canyon	PS-005 Arterial St. Pavement Rehabilitation	0.148	88%	3	3	5	5	4	0	0	3	5	5	0	5	0	2	4.00	2.25	2.00	**8.25**	**93.10%**	**High**
BR182	84	Bioretention	Farragut	Park West	Sepulveda Blvd	CulverConnect	0.011	36%	1	1	5	5	4	0	0	2	5	5	0	3	0	0	3.20	1.88	0.00	**5.08**	**40.64%**	**Low**
BR183	3212	Bioretention	Culver Park	Sunkist Park	Slauson		0.039	62%	1	3	0	5	4	0	0	2	0	3	0	2	0	0	2.60	0.88	0.00	**3.48**	**5.17%**	**Low**
BR184	2	Bioretention	Midway	Washington Culver	RI High School	Safe Routes to School	0.109	83%	1	3	0	5	4	0	0	3	5	5	5	4	0	2	2.60	2.75	2.00	**7.35**	**86.45%**	**High**
BR185	32	Bioretention	Huron	Clarkdale	RI High School	Safe Routes to School	0.134	86%	3	5	5	5	4	0	0	2	5	5	5	4	0	2	4.40	2.63	2.00	**9.03**	**96.05%**	**High**
BR186	1767	Bioretention	Kinston	Studio Village	Stevens Cir	PS-005 Arterial St. Pavement Rehabilitation	0.002	10%	3	5	5	5	4	0	5	2	5	5	0	3	0	0	4.40	2.50	0.00	**6.9**	**83.25%**	**High**
BR187	397	Bioretention	Overland	Park East	RI Farragut B	P-684 Carlson Park Street Lights Upgrade	0.007	26%	3	1	5	0	4	5	0	4	5	5	0	4	0	0	2.60	2.88	0.00	**5.48**	**51.72%**	**Medium**
BR188	40	Bioretention	Tilden	Clarkdale	Tellefson	Safe Routes to School	0.140	87%	3	1	5	5	4	0	0	3	5	5	5	4	0	2	3.60	2.75	2.00	**8.35**	**93.59%**	**High**
BR189	7	Bioretention	Deshire	Blanco/ Culver Crest	RI Lindberg North	CulverConnect	0.109	83%	1	1	0	0	5	0	0	2	5	5	0	2	0	2	1.40	1.75	2.00	**5.15**	**44.82%**	**Low**
BR190	81	Bioretention	Baldwin	Park East	Benedict Canyon	CIP Project	0.116	84%	3	3	1	5	4	5	0	3	5	5	0	4	5	2	3.20	3.38	2.00	**8.58**	**94.82%**	**High**
BR191	197	Bioretention	Coolidge	McLaughlin	Westwood		0.008	28%	1	1	5	5	4	0	0	2	0	5	3	1	0	0	3.20	1.38	0.00	**4.58**	**25.86%**	**Low**
BR192	42	Bioretention	Culver	Lucerne/Higuera	Benedict Canyon		0.004	18%	1	5	5	5	4	0	0	4	0	5	0	5	0	0	4.00	1.75	0.00	**5.75**	**59.85%**	**Medium**
BR193	2407	Bioretention	Doverwood	Fox Hills	Centinela Ave	CulverConnect	0.089	79%	1	3	5	5	4	0	0	3	5	5	0	3	0	1	3.60	2.00	1.00	**6.6**	**77.58%**	**Medium**
BR194	3905	Bioretention	Green Valley	Fox Hills	RI Farragut A	PL-007 New Left Turn Signals	0.001	3%	1	5	5	5	4	0	0	4	5	3	0	3	0	0	4.00	1.88	0.00	**5.88**	**64.03%**	**Medium**
BR195	1151	Bioretention	Venice	Clarkdale	Sepulveda Blvd	Safe Routes to School	0.006	24%	3	5	5	5	4	0	0	4	5	1	5	4	0	0	4.40	2.38	0.00	**6.78**	**82.01%**	**High**
BR196	102	Bioretention	Culver	Park West	Sepulveda Blvd	PL-007 New Left Turn Signals	0.098	81%	1	3	0	5	4	0	0	3	5	5	3	3	0	1	2.60	2.38	1.00	**5.98**	**66.74%**	**Medium**
BR197	139	Bioretention	McLaughlin	Culver/West	Westwood	PS-005 Arterial St. Pavement Rehabilitation	0.014	40%	3	5	5	5	4	0	0	3	5	1	3	1	0	0	4.40	1.63	0.00	**6.03**	**67.98%**	**Medium**
BR198	63	Bioretention	Culver	Clarkdale	RI High School	Safe Routes to School	0.040	63%	1	3	5	5	4	0	0	3	5	5	5	4	0	0	3.60	2.75	0.00	**6.35**	**74.13%**	**Medium**
BR199	41	Bioretention	Wrightcrest	Blair Hills	Rodeo Rd	Parks Master Plan	0.039	62%	0	1	1	5	4	0	0	2	5	5	0	5	0	0	2.20	2.13	0.00	**4.33**	**19.45%**	**Low**
BR200	1424	Bioretention	Culver	Washington Culver	RI High School	CIP Project	0.002	10%	1	1	5	5	4	0	0	2	5	5	5	4	0	0	3.20	2.63	0.00	**5.83**	**61.33%**	**Medium**
BR201	850	Bioretention	Virgina	Studio Village	Ocean Dr	Parks Master Plan	0.047	64%	1	5	5	5	4	0	0	2	5	5	0	3	0	0	4.00	1.88	0.00	**5.88**	**64.03%**	**Medium**
BR202	23	Bioretention	Matterson	Clarkdale	Tellefson	Safe Routes to School	0.095	80%	1	3	5	5	4	0	0	3	5	5	5	4	0	1	3.60	2.75	1.00	**7.35**	**86.45%**	**High**
BR203	12	Bioretention	Barman	Park West	RI High School	Parks Master Plan	0.062	69%	1	3	0	0	4	0	0	2	5	5	0	3	0	1	1.60	1.88	1.00	**4.48**	**22.16%**	**Low**
BR204	3244	Bioretention	Stevens	Blanco/ Culver Crest	Slauson	CulverConnect	0.062	70%	1	1	1	5	4	0	0	2	5	1	0	2	0	1	2.40	1.25	1.00	**4.65**	**29.55%**	**Low**
BR205	2363	Bioretention	National	Lucerne/Higuera	Wesley St	Urban Forest Master Plan	0.000	0%	3	1	5	5	4	0	0	2	5	3	3	5	0	0	3.60	2.25	0.00	**5.85**	**62.31%**	**Medium**
BR206	168	Bioretention	Overland	Studio Village	Overland S	CulverConnect	0.106	83%	3	1	5	5	4	0	0	2	5	5	0	5	5	2	3.60	2.75	2.00	**8.35**	**93.59%**	**High**
BR207	3206	Bioretention	Blanco	Sunkist Park	Sawtelle Blvd		0.070	73%	1	1	0	5	4	0	0	2	0	1	0	2	0	1	2.20	0.63	1.00	**3.83**	**9.11%**	**Low**
BR208	114	Bioretention	W Washington	Culver/West	Mar Vista	Urban Forest Master Plan	0.026	53%	3	5	5	5	4	0	0	3	5	3	3	1	0	0	4.40	1.88	0.00	**6.28**	**73.64%**	**Medium**
BR209	1900	Bioretention	Matteson	McLaughlin	Sepulveda Blvd		0.002	10%	3	3	1	5	4	0	0	3	0	5	3	1	0	0	3.20	1.50	0.00	**4.7**	**31.03%**	**Low**
BR210	786	Bioretention	Kinston	Blanco/ Culver Crest	RI Lindberg North		0.046	64%	1	5	1	0	5	0	5	3	0	5	0	2	0	0	2.40	1.88	0.00	**4.28**	**17.98%**	**Low**
BR211	3199	Bioretention	Woolford	Sunkist Park	Slauson		0.057	67%	3	1	5	5	4	0	0	2	0	3	0	2	0	1	3.60	0.88	1.00	**5.48**	**51.72%**	**Medium**
BR212	1337	Bioretention	Ivy	Blair Hills	Rodeo Rd		0.00405	18%	0	1	5	5	4	0	0	2	0	5	0	5	0	0	3.00	1.50	0.00	**4.5**	**24.13%**	**Low**
BR213	1130	Bioretention	Harter	Park West	RI High School		0.004591	20%	1	3	5	0	4	0	0	2	0	5	3	3	0	0	2.60	1.63	0.00	**4.23**	**16.99%**	**Low**
BR214	785	Bioretention	Jasmin	Park East	Jasmine Ave	P-684 Carlson Park Street Lights Upgrade	0.010589	34%	1	1	0	5	4	5	0	2	5	5	0	4	3	0	2.20	3.00	0.00	**5.2**	**45.07%**	**Low**
BR215	218	Bioretention	Venice	Washington Culver	RI High School		0.029098	55%	3	3	5	5	4	0	0	4	0	5	5	4	0	0	4.00	2.25	0.00	**6.25**	**72.41%**	**Medium**
BR216	2451	Bioretention	Bernardo	Blanco/ Culver Crest	RI Blanco Park		0.007525	27%	0	1	0	0	4	0	0	2	0	5	0	2	0	0	1.00	1.13	0.00	**2.13**	**0.00%**	**Low**
BR217	2505	Bioretention	Jefferson	Jefferson	Duquesne Ave	Urban Forest Master Plan	0.15856	88%	0	5	1	5	4	0	0	2	5	5	0	5	0	2	3.00	2.13	2.00	**7.13**	**84.48%**	**High**
BR218	49	Bioretention	Huntley	Park West	Sepulveda Blvd		0.033994	59%	1	3	0	5	4	0	0	2	0	3	3	3	0	0	2.60	1.38	0.00	**3.98**	**10.83%**	**Low**

BIORETENTION PRIORITIZATION SCORES

Site Information						Raw GIS Calculations			Physical Characteristics Score					Multi-Benefit Scores									EWMP Volu	Score Summary					
Site ID	Footprint ID	Type	Street Name	Neighborhood	Storm Drain	Co-located Project Name	EWMP Equivalent Volume (AF)	Volume Percentile	Site Slope	ROW Width by Street Class	Utility Constraints	Within Drainage Area of Another Project	Hydrologic Soil Group	In Neighborhood with Localized Flood Issues	Private Development Projects in Drainage Area	Pollutant Source Areas	Co-located with Another City Project	Groundwater Constraints	Disadvantaged Community Benefit	Urban Heat Island Index	Ballona Creek Revitalization	EWMP Equivalent Volume	Normalized Physical Characteristics Score	Normalized Multi-Benefit Score	Normalized EWMP Volume Score	Final Score (out of 15)	Score Percentile (All Projects)	Bracket
BR219	3214	Bioretention	McDonald	Sunkist Park	Sawtelle Blvd		0.095485	80%	1	3	0	5	4	0	0	2	0	5	3	2	3	1	2.60	1.88	1.00	**5.48**	**51.72%**	**Medium**
BR220	338	Bioretention	Lincoln	Park East	Benedict Canyon	CulverConnect	0.034362	59%	3	3	5	5	4	5	0	2	5	5	3	4	0	0	4.00	3.00	0.00	**7**	**83.99%**	**High**
BR221	244	Bioretention	Braddock	Park East	Benedict Canyon	P-684 Carlson Park Street Lights Upgrade	0.06969	73%	3	5	0	5	4	5	0	3	5	5	0	4	0	1	3.40	2.75	1.00	**7.15**	**84.97%**	**High**
BR222	2535	Bioretention	Cambridge	Fox Hills	RI Fox Hill		0.013784	40%	1	5	1	0	4	0	0	2	0	5	0	3	0	0	2.20	1.25	0.00	**3.45**	**4.67%**	**Low**
BR223	14	Bioretention	Tuller	McLaughlin	Sepulveda Blvd	Safe Routes to School	0.078601	75%	0	3	1	5	4	0	0	2	5	1	5	4	0	1	2.60	2.13	1.00	**5.73**	**59.35%**	**Medium**
BR224	760	Bioretention	Culver	Park East	Benedict Canyon	CulverConnect	0.013022	38%	3	3	5	5	4	5	0	4	5	5	3	4	0	0	4.00	3.25	0.00	**7.25**	**85.46%**	**High**
BR225	158	Bioretention	Pickford	Studio Village	Stevens Cir	CulverConnect	0.291694	95%	3	5	0	5	4	0	5	2	5	5	0	3	0	3	3.40	2.50	3.00	**8.9**	**95.32%**	**High**
BR226	1049	Bioretention	Studio	Studio Village	Overland S	PS-005 Arterial St. Pavement Rehabilitation	0.004365	20%	1	3	5	5	4	0	0	2	5	1	0	3	0	0	3.60	1.38	0.00	**4.98**	**38.17%**	**Low**
BR227	85	Bioretention	Sawtelle	McLaughlin	Sepulveda Blvd	PL-007 New Left Turn Signals	0.155876	88%	3	3	5	5	4	0	0	3	5	1	3	1	0	2	4.00	1.63	2.00	**7.63**	**88.17%**	**High**
BR228	343	Bioretention	Braddock	Park West	RI High School		0.029889	56%	3	5	0	0	4	0	0	2	0	5	0	3	0	0	2.40	1.25	0.00	**3.65**	**5.91%**	**Low**
BR229	405	Bioretention	Farragut	Park East	RI Farragut B	CIP Project	0.005052	21%	1	5	5	0	4	5	0	2	5	5	0	4	0	0	3.00	2.63	0.00	**5.63**	**56.40%**	**Medium**
BR230	2532	Bioretention	Green Valley	Fox Hills	Fox Hills	PL-007 New Left Turn Signals	0.085994	78%	1	1	0	5	4	0	0	4	5	5	0	3	0	1	2.20	2.13	1.00	**5.33**	**47.78%**	**Low**
BR231	22	Bioretention	Park West	Park West	RI High School	Safe Routes to School	0.125982	85%	3	3	0	0	4	0	0	2	5	5	3	3	0	2	2.00	2.25	2.00	**6.25**	**72.41%**	**Medium**
BR232	254	Bioretention	S Park	Culver/West	Westwood		0.055621	67%	3	5	1	5	4	0	0	2	0	1	3	1	0	1	3.60	0.88	1.00	**5.48**	**51.72%**	**Medium**
BR233	2697	Bioretention	Bristol	Fox Hills	Baldwin Hills	PL-007 New Left Turn Signals	0.003439	16%	0	1	5	5	4	0	0	4	5	5	0	3	0	0	3.00	2.13	0.00	**5.13**	**43.84%**	**Low**
BR234	3419	Bioretention	Sepulveda	Sunkist Park	Slauson	Urban Forest Master Plan	0.003272	15%	3	3	1	5	4	0	0	2	5	5	0	2	0	0	3.20	1.75	0.00	**4.95**	**37.43%**	**Low**
BR235	2470	Bioretention	Northgate	Blanco/ Culver Crest	RI Lindberg North	CulverConnect	0.078885	76%	1	3	0	5	4	0	0	3	5	5	0	2	0	1	2.60	1.88	1.00	**5.48**	**51.72%**	**Medium**
BR236	1232	Bioretention	Culver	Clarkdale	Sepulveda Blvd	CulverConnect	0.008799	31%	1	3	5	5	4	0	0	4	5	5	5	4	0	0	3.60	2.88	0.00	**6.48**	**76.35%**	**Medium**
BR237	363	Bioretention	Center	Clarkdale	RI High School	Safe Routes to School	0.062622	71%	1	1	5	5	4	0	0	3	5	1	5	4	0	1	3.20	2.25	1.00	**6.45**	**75.86%**	**Medium**
BR238	2433	Bioretention	Molony	Blanco/ Culver Crest	RI Blanco Park		0.003397	16%	0	1	0	0	4	0	0	2	0	5	0	2	0	0	1.00	1.13	0.00	**2.13**	**0.00%**	**Low**
BR239	686	Bioretention	Fairbanks	Studio Village	Stevens Cir	PS-005 Arterial St. Pavement Rehabilitation	0.058151	68%	1	5	0	5	4	0	0	2	5	5	0	3	0	1	3.00	1.88	1.00	**5.88**	**64.03%**	**Medium**
BR240	829	Bioretention	Commonwealth	Park West	Sepulveda Blvd		0.000607	2%	1	1	5	5	4	0	0	2	0	5	0	3	0	0	3.20	1.25	0.00	**4.45**	**20.93%**	**Low**
BR241	117	Bioretention	Van Buren	Lucerne/Higuera	Benedict Canyon	PS-005 Arterial St. Pavement Rehabilitation	0.070212	73%	3	3	0	0	4	0	0	3	5	5	0	5	0	1	2.00	2.25	1.00	**5.25**	**46.05%**	**Low**
BR242	58	Bioretention	Washington	Clarkdale	Sepulveda Blvd	Urban Forest Master Plan	0.00081	4%	0	5	5	5	4	0	0	4	5	5	5	4	0	0	3.80	2.88	0.00	**6.68**	**79.55%**	**Medium**
BR243	127	Bioretention	Minerva	McLaughlin	Westwood		0.016341	43%	1	1	5	5	4	0	0	2	0	5	3	1	0	0	3.20	1.38	0.00	**4.58**	**25.86%**	**Low**
BR244	112	Bioretention	Coombs	Park West	RI High School	Parks Master Plan	0.093575	79%	3	5	0	0	4	0	0	2	5	5	3	3	0	1	2.40	2.25	1.00	**5.65**	**57.38%**	**Medium**
BR245	2411	Bioretention	Whitburn	Blanco/ Culver Crest	RI Lindberg North	CulverConnect	0.264085	94%	1	3	0	0	4	0	0	2	5	5	0	2	0	3	1.60	1.75	3.00	**6.35**	**74.13%**	**Medium**
BR246	519	Bioretention	Kensington	Culver/West	Mar Vista		0.008848	31%	1	5	5	5	4	0	0	3	0	5	3	1	0	0	4.00	1.50	0.00	**5.5**	**54.18%**	**Medium**
BR247	122	Bioretention	Westwood	Studio Village	Ocean Dr	PS-005 Arterial St. Pavement Rehabilitation	0.088285	78%	1	3	0	5	4	0	0	2	5	5	0	3	3	1	2.60	2.25	1.00	**5.85**	**62.31%**	**Medium**
BR248	432	Bioretention	Commonwealth	Clarkdale	Sepulveda Blvd		0.004054	19%	3	1	5	5	4	0	0	5	0	5	5	4	0	0	3.60	2.38	0.00	**5.98**	**66.74%**	**Medium**
BR249	3068	Bioretention	Washington	Clarkdale	Tellefson	Safe Routes to School	0.023036	50%	1	5	1	5	4	0	0	5	5	5	5	4	0	0	3.20	3.00	0.00	**6.2**	**71.42%**	**Medium**
BR250	1041	Bioretention	Washington	Washington Culver	RI Veterans Park	Urban Forest Master Plan	0.000945	6%	1	1	5	0	4	0	0	5	5	5	3	4	0	0	2.20	2.75	0.00	**4.95**	**37.43%**	**Low**
BR251	21	Bioretention	Globe	McLaughlin	Sepulveda Blvd		0.444947	97%	0	5	5	5	4	0	0	2	0	1	3	1	0	3	3.80	0.88	3.00	**7.68**	**89.16%**	**High**
BR252	186	Bioretention	Albright	McLaughlin	Sepulveda Blvd		0.019994	47%	3	1	1	5	4	0	0	2	0	1	0	1	0	0	2.80	0.50	0.00	**3.3**	**4.43%**	**Low**
BR253	154	Bioretention	Farragut	Park West	RI High School	CulverConnect	0.014221	41%	3	3	1	0	4	0	0	2	5	5	0	3	0	0	2.20	1.88	0.00	**4.08**	**11.82%**	**Low**
BR254	3869	Bioretention	405	Fox Hills	Slauson	CulverConnect	0.105713	82%	0	5	0	5	4	0	0	4	5	1	0	3	0	2	2.80	1.63	2.00	**6.43**	**75.36%**	**Medium**
BR255	111	Bioretention	Sawtelle	McLaughlin	Westwood	Urban Forest Master Plan	0.038578	62%	1	5	5	5	4	0	0	2	5	5	3	1	0	0	4.00	2.00	0.00	**6**	**67.24%**	**Medium**
BR256	190	Bioretention	Corinth	McLaughlin	Westwood		0.000716	4%	3	5	5	5	4	0	0	2	0	5	3	1	0	0	4.40	1.38	0.00	**5.78**	**60.59%**	**Medium**
BR257	167	Bioretention	Barman	Park West	Sepulveda Blvd	CIP Project	0.006704	25%	3	3	5	5	4	0	0	2	5	5	0	3	0	0	4.00	1.88	0.00	**5.88**	**64.03%**	**Medium**
BR258	2368	Bioretention	Roberts	McManus	RI Lindberg North	Parks Master Plan	0.002025	12%	3	1	5	0	5	0	0	2	5	5	3	5	3	0	2.80	2.88	0.00	**5.68**	**58.12%**	**Medium**
BR259	2424	Bioretention	Kensington	Fox Hills	Centinela Ave		0.009931	33%	1	5	5	5	4	0	0	2	0	5	0	3	0	0	4.00	1.25	0.00	**5.25**	**46.05%**	**Low**
BR260	83	Bioretention	Washington	McLaughlin	Westwood	Urban Forest Master Plan	0.046357	64%	3	3	5	5	4	0	0	4	5	5	3	1	0	0	4.00	2.25	0.00	**6.25**	**72.41%**	**Medium**
BR261	751	Bioretention	Bradlock	Park East	RI Veterans Park		0.000398	1%	3	5	5	0	4	5	0	3	0	5	0	4	0	0	3.40	2.13	0.00	**5.53**	**54.67%**	**Medium**
BR262	2462	Bioretention	Drakewood	Blanco/ Culver Crest	RI Lindberg North		0.061727	69%	1	3	0	0	4	0	0	2	0	5	0	2	0	1	1.60	1.13	1.00	**3.73**	**7.88%**	**Low**
BR263	2553	Bioretention	Green Valley	Fox Hills	Centinela Ave	Parks Master Plan	0.017399	44%	1	1	5	5	4	0	0	4	5	5	0	3	0	0	3.20	2.13	0.00	**5.33**	**47.78%**	**Low**

BIOFILTRATION PRIORITIZATION SCORES

Site Information					Raw GIS Calculations		Physical Characteristics Score					Multi-Benefit Scores								MP Volume S	Score Summary					
Site ID	Footprint ID	Type	Street Name	Neighborhood	Co-located Project Name	EWMP Equivalent Volume (AF)	Volume Percentile	Site Slope	ROW Width by Street Class	Utility Constraints	Within Drainage Area of Another Project	Hydrologic Soil Group	In Neighborhood with Localized Flood Issues	Private Development Projects in Drainage Area	Pollutant Source Areas	Co-located with Another City Project	Groundwater Constraints	Disadvantaged Community Benefit	Urban Heat Island Index	Ballona Creek Revitalization	EWMP Equivalent Volume	Normalized Physical Characteristics Score	Normalized Multi-Benefit Score	Normalized EWMP Volume Score	Final Score (out of 15)	Score Percentile (All Projects)	Bracket
BF1	151	Biofiltration	Flaxton	Blanco/ Culver Crest		0.023382	50%	0	1	5	0	0	0	0	2	0	5	0	2	0	0	1.20	1.13	0.00	**2.33**	**1.08%**	**Low**
BF2	45	Biofiltration	La Cienega	McManus		0.011016	35%	3	1	5	5	2	0	0	4	0	5	3	5	0	0	3.20	2.13	0.00	**5.33**	**47.78%**	**Low**
BF3	9	Biofiltration	Higuera	Lucerne/Higuera	Culver Connect	0.035718	60%	1	3	5	5	2	0	0	3	5	5	0	5	0	0	3.20	2.25	0.00	**5.45**	**51.47%**	**Medium**
BF4	240	Biofiltration	405	Sunkist Park		0.003071	14%	1	3	5	5	2	0	5	2	0	3	0	2	0	0	3.20	1.50	0.00	**4.7**	**31.03%**	**Low**
BF5	105	Biofiltration	Culver	Park East	P-684 Carlson Park Street Lights Upgrade	0.002389	13%	1	3	5	0	2	5	0	4	5	5	3	4	0	0	2.20	3.25	0.00	**5.45**	**51.47%**	**Medium**
BF6	216	Biofiltration	Slauson	Sunkist Park		0.028199	54%	1	5	5	5	2	0	5	2	0	3	0	2	0	0	3.60	1.50	0.00	**5.10**	**42.36%**	**Low**
BF7	106	Biofiltration	Catta	McManus		0.00108	7%	0	3	5	0	2	0	0	2	0	5	0	5	0	0	2.00	1.50	0.00	**3.5**	**5.69%**	**Low**
BF8	2	Biofiltration	Ince	Lucerne/Higuera	Culver Connect	0.037833	61%	1	3	5	5	2	0	0	3	5	5	0	5	0	0	3.20	2.25	0.00	**5.45**	**51.47%**	**Medium**
BF9	223	Biofiltration	405	Park West	PL-007 New Left Turn Signals	0.071067	74%	0	5	5	5	2	0	0	2	5	5	3	3	0	1	3.40	2.25	1.00	**6.65**	**79.06%**	**Medium**
BF10	3	Biofiltration	Farragut	Park East	P-684 Carlson Park Street Lights Upgrade	0.221298	92%	1	5	0	0	2	5	0	2	5	5	0	4	0	3	1.60	2.63	3.00	**7.23**	**85.41%**	**High**
BF11	153	Biofiltration	Centinela	Culver/West	PS-005 Arterial St. Pavement Rehabilitation	0.083225	77%	3	5	5	5	2	0	0	3	5	3	3	1	0	1	4.00	1.88	1.00	**6.88**	**82.75%**	**High**
BF12	212	Biofiltration	Port	Sunkist Park		0.145324	87%	3	5	0	5	2	0	5	2	0	3	0	2	0	2	3.00	1.50	2.00	**6.5**	**76.84%**	**Medium**
BF13	5	Biofiltration	Bradock	Park East	Parks Master Plan	0.081698	77%	1	5	1	0	2	5	0	2	5	5	0	4	0	1	1.80	2.63	1.00	**5.43**	**51.37%**	**Medium**
BF14	46	Biofiltration	Overland	Washington Culver	Culver Connect	0.00273	13%	1	1	5	0	2	0	0	2	5	5	5	4	0	0	1.80	2.63	0.00	**4.43**	**20.86%**	**Low**
BF15	99	Biofiltration	Culver	Washington Culver	CIP Project	0.002806	14%	1	1	5	5	2	0	0	2	5	5	5	4	0	0	2.80	2.63	0.00	**5.43**	**51.37%**	**Medium**
BF16	217	Biofiltration	Hammack	Sunkist Park		0.033894	59%	1	5	5	5	2	0	5	2	0	3	0	2	0	0	3.60	1.50	0.00	**5.1**	**42.36%**	**Low**
BF17	26	Biofiltration	Blackwelder	McManus		0.002309	12%	3	1	5	5	2	0	0	5	0	5	3	5	0	0	3.20	2.25	0.00	**5.45**	**51.47%**	**Medium**
BF18	12	Biofiltration	W Washington	Washington Culver	Urban Forest Master Plan	0.000793	4%	5	1	5	0	2	0	0	5	5	5	3	4	0	0	2.60	2.75	0.00	**5.35**	**48.76%**	**Low**
BF19	22	Biofiltration	Roberts	McManus		0.00144	9%	1	1	5	0	2	0	0	3	0	5	0	5	0	0	1.80	1.63	0.00	**3.43**	**4.64%**	**Low**
BF20	166	Biofiltration	W Washington	Culver/West	Urban Forest Master Plan	0.002639	13%	1	5	5	5	2	0	0	4	5	3	3	1	0	0	3.60	2.00	0.00	**5.6**	**56.25%**	**Medium**
BF21	152	Biofiltration	Washington	Culver/West	Urban Forest Master Plan	0.065985	71%	1	5	5	5	2	0	0	2	5	3	0	1	0	1	3.60	1.38	1.00	**5.98**	**66.74%**	**Medium**
BF22	154	Biofiltration	Mildred	Culver/West	PS-005 Arterial St. Pavement Rehabilitation	0.064923	71%	3	3	0	5	2	0	0	3	5	3	0	1	0	1	2.60	1.50	1.00	**5.1**	**42.36%**	**Low**
BF23	181	Biofiltration	Redwood	Culver/West	PS-005 Arterial St. Pavement Rehabilitation	0.005503	23%	3	1	5	5	2	0	0	2	5	3	0	1	0	0	3.20	1.38	0.00	**4.58**	**25.86%**	**Low**
BF24	10	Biofiltration	Cattaragus	McManus		0.02758	54%	3	3	0	0	2	0	0	3	0	5	0	5	0	0	1.60	1.63	0.00	**3.23**	**3.20%**	**Low**
BF25	238	Biofiltration	Diller	Sunkist Park		0.003071	14%	1	1	5	5	2	0	5	2	0	3	0	2	0	0	2.80	1.50	0.00	**4.3**	**18.47%**	**Low**
BF26	8	Biofiltration	Le Bourget	Park East	P-684 Carlson Park Street Lights Upgrade	0.127531	86%	1	5	0	0	2	5	0	2	5	5	0	4	0	2	1.60	2.63	2.00	**6.23**	**71.92%**	**Medium**
BF27	98	Biofiltration	McManus	McManus		0.000976	6%	1	1	1	0	2	0	0	3	0	1	0	5	0	0	1.00	1.13	0.00	**2.13**	**0.00%**	**Low**
BF28	90	Biofiltration	Schaefer	Lucerne/Higuera	Culver Connect	0.0018	11%	1	1	5	5	2	0	0	3	5	5	0	5	0	0	2.80	2.25	0.00	**5.05**	**40.49%**	**Low**
BF29	168	Biofiltration	Marcasel	Culver/West	PS-005 Arterial St. Pavement Rehabilitation	0.025487	52%	3	1	5	5	2	0	0	2	5	5	3	1	0	0	3.20	2.00	0.00	**5.2**	**45.07%**	**Low**
BF30	210	Biofiltration	Mesmer	Sunkist Park		0.007399	27%	1	5	5	5	2	0	5	2	0	3	0	2	0	0	3.60	1.50	0.00	**5.1**	**42.36%**	**Low**
BF31	1	Biofiltration	Wesley	Lucerne/Higuera	Culver Connect	0.098525	81%	1	1	5	5	2	0	0	3	5	5	0	5	0	1	2.80	2.25	1.00	**6.05**	**68.22%**	**Medium**
BF32	195	Biofiltration	Minerva	McLaughlin	Urban Forest Master Plan	0.00983	33%	1	3	5	5	2	0	0	4	5	5	3	1	0	0	3.20	2.25	0.00	**5.45**	**51.47%**	**Medium**
BF33	211	Biofiltration	Huntley	Park West		0.054807	66%	3	5	1	5	2	0	0	2	0	3	3	3	0	1	3.20	1.38	1.00	**5.58**	**56.15%**	**Medium**
BF34	222	Biofiltration	Barman	Park West		0.041336	63%	1	5	1	5	2	0	0	2	0	3	3	3	0	0	2.80	1.38	0.00	**4.18**	**14.03%**	**Low**