

BOARD REPORT

PG. 2 NO. 24-046

5. Authorize RAP's Chief Accounting Employee or designee to prepare a check to the Los Angeles County Clerk in the amount of \$75.00 for the purpose of filing an NOE; and
6. Authorize RAP staff to make technical corrections as necessary to carry out the intent of this Report.

SUMMARY

The proposed Inell Woods Park – New Park Project (Project) is for the development of a new public park at the southwest corner of McKinley Avenue and 87th Street in Council District 9. The site consists of four vacant City owned parcels, approximately 16,875 square feet in total (APNs 6042-003-900 and 6042-003-901). A portion of the site is a street median, which is within the public right-of-way and under the jurisdiction of the Department of Public Works.

In 2009, Heal the Bay (HTB), a non-profit organization, collaborated with Wisdom Academy for Young Scientists (WAYS), a South Los Angeles elementary charter school, to develop and submit a grant application for funding under the Proposition 84 Statewide Park Program for a multi-benefit project that would provide recreational amenities and environmental water quality features on the City owned surplus property. The project scope and overall concept plan was developed with input from public workshops and meetings facilitated by HTB in partnership with local community organizations. Due to the collaboration between HTB and WAYS on the initial development of the project concept, the project was known at that time as the "WAYS Park" project. In November 2010, HTB received notification that its grant application was successful and the project was awarded a total of \$1,328,843 in grant funding.

On November 2, 2011, the City Council adopted a Motion authorizing the Department of Public Works, Bureau of Engineering (BOE), in consultation with Council District 9, to negotiate and execute a lease with HTB for the development and maintenance of site (Council File (CF) No. 11-0122-S1). The lease between BOE and HTB was executed on November 3, 2011 and has a term of thirty (30) years.

Subsequently, HTB entered into discussions with RAP about potentially collaborating on the development, operation, and maintenance of the project. It was determined that having RAP operate the proposed project as a neighborhood park would be the most effective way to ensure the long-term viability of the site as a public open space. RAP advised that in order for RAP to be able to operate and maintain the site effectively there would need to be a transfer of jurisdiction of the land from the Department of General Services (GSD) to RAP and the portion of the site that was within the public right-of-way would need to be vacated.

On February 11, 2015, the City Council adopted a Motion recommending the transfer of the site to RAP and requesting the Board to consider and accept the transfer of jurisdiction and control of the property (CF No. 14-1457).

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On January 21, 2015, the Board of Recreation and Park Commissioners (Board) approved a Donation Agreement between RAP and HTB for the acquisition, development, and construction of new parks in Los Angeles (Report No. 15-007). The Board also reviewed and approved the conceptual plan for the project and preliminarily approved the transfer of jurisdiction of the City owned surplus property to RAP. The Donation Agreement between RAP and HTB was executed on March 16, 2015 (Contract No. C-127290) (Attachment No. 3).

On March 29, 2018, North East Trees, representing HTB, submitted an application to BOE requesting the City to vacate the portion of public right-of-way over the site in order to provide for the proposed new neighborhood park. The City Council subsequently approved various reports and motions relative to the vacation of the portion of McKinley Place south of 87th Street (VAC-E1401340) (CF No. 11-0122-S3).

PROJECT SCOPE

As detailed in Contract No. C-127290, HTB is responsible for preparing, in coordination with RAP, any grant applications and conceptual plans for prospective park projects. The Agreement requires HTB to present the conceptual plans for any prospective park project successfully awarded grant funding to RAP for review and approval. Once the Department approves a prospective park project's conceptual plan HTB would be responsible for preparing a detailed set of final plans and specifications for that project and submitting such plans to the Board for its review and approval. HTB would then be responsible for coordinating the design, development, and construction of any approved projects, subject to certain conditions as described in the Donation Agreement. Upon completion of construction of a prospective project under this agreement by HTB, staff would then submit the project to the Board for final acceptance. Once the Board accepts a project, RAP would assume responsibility for the long-term operations and maintenance of the project, and any constructed site improvements, subject to the terms of Donation Agreement and the requirements of any grant or funding agreements. Additionally, RAP would assume the obligations as grantee of any grant agreement HTB entered into for the development of the park.

The concept and design for the park was developed with input from the surrounding community and local stakeholders. The final plans for the Project are in substantial conformance with the initial concept scope that HTB developed in 2009.

The final proposed scope of work for the Project consists of the following:

- Children's Playground and poured-in-place surfacing.
- Three (3) outdoor fitness equipment machines and poured-in-place surfacing.
- Six (6) foot high tubular steel perimeter fencing and gates.
- LED Security Lighting.
- New concrete paving and curbs.
- Permeable concrete pavers and pavement.
- Various site amenities including two (2) game tables, benches, one (1) hydration station, one (1) new park facility sign, and two (2) trash receptacles.

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- Landscaping planting including trees, shrubs, and ground covers.
- 2-wire irrigation system, including water meters, backflow prevention devices, sprinklers, and controllers.
- ABT Permavoid Planting System (Stormwater BMP).
- Provide and install temporary security fencing around the entire site for the duration of construction.

As part of the requirements for the Low Impact Development Ordinance (LID), the Project will include various on-site stormwater Best Management Practices (BMP). These BMPs include an ABT Permavoid, Catch Basin Filter Inserts, and Porous and Permeable Pavers. The long-term maintenance of these BMPs will be divided between RAP and the Department of Public Works, LA Sanitation and Environment (LASAN). RAP will be responsible for the maintenance of 2,745 square feet (SF) of Permavoid planting area; 3,383 SF of site landscaped area; 1,370 SF of Permeable Pavers for incidental rainfall; one stormwater filter box with filter; and 1,297 SF Permeable pavers outside of the Permavoid planting area. LASAN will be responsible for the maintenance of 2,566 cubic feet of Permavoid CU planter with extended base; one Stormwater inlet structure; and one stormwater overflow outlet curb drain.

Finally, the implementation of the Project will require the completion of a street vacation of the portion of the public right-of-way that is over the site. However, before the street vacation can be effectuated, there are a number of conditions and requirements that must be met including various physical improvements to adjacent sidewalk, curb ramps, and curb and gutter. Those street vacation conditions, requirements, and clearances are detailed in the BOE reports in CF No. 11-0122-S3. As a part of the implementation of the Project, HTB will be completing all the required conditions and constructing all the required physical improvements in the public right-of-way.

As the implementation of this Project will require work on both existing City owned parcels and existing public right-of-way, HTB developed two separate sets of plans that were reviewed and permitted by City staff separately, but will be implemented concurrently and by a single contractor. The Project elements that will be completed on the existing City parcels are shown and detailed on Attachment No. 1, and the Project elements that will be completed on the existing public right-of-way via a "B" Permit are shown and detailed on Attachment No. 2.

NAMING REQUEST

As previously noted, the Project was initially known as the "WAYS Park" project due to the original association and involvement of the WAYS charter school. However, the WAYS charter school closed several years ago and is no longer operative. The Office of Council District 9 has requested that the new park on the Property be named "Inell Woods Park", in commemoration of local neighborhood activist Inell Woods.

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Background on Inell Woods

Born in Tyler, Texas on December 19, 1921, Inell Woods was a neighborhood activist that brought a positive outlook to every community she touched. Her attention to detail and empathy for others drove her to become a champion of change.

In 1965 she made her way to Los Angeles where she would flourish into a neighborhood hero. Helping others in need, hard work and service through action are all values that Ms. Woods held dearly and spread to the streets of Los Angeles. While working as a nurse she got involved with many different senior programs throughout the City and spent her free time volunteering. Ms. Woods would go on to be the director of the affiliated committee's donation that served as an umbrella group for all of the senior programs in Los Angeles County. She worked with all different ethnic groups in the City and valued people above all else. She sought to empower those around her through activism and even after her death on June 6, 2015, Inell Woods' legacy will continue to live on through the lives she was able to change.

Inell Woods lived in South Los Angeles, very near the Project site, and it was her idea to convert this median to a new public open space.

Board Naming Policy

On June 5, 2013, the Board adopted a Naming Policy, Procedures and Guidelines for Parks and Recreational Facilities (Policy) for the naming of parks, recreation facilities, park amenities, landmarks and other park assets (Report No. 13-161). This Policy enumerates the criteria and guidelines for use when evaluating proposed park names (Attachment No. 4). Several of the adopted guidelines applicable to this application are as follows:

- The naming of parks after individuals shall be limited to those who are deceased and have made exceptional contributions to the park or community within which the park is located.
- The naming engenders a positive public image which does not unduly commercialize the park or recreational facility.
- The proposed name for the park or recreational facility, and/or contributor, must be compatible with the Mission of RAP.

RAP staff has determined that the criteria and guidelines of the Policy have been met.

RAP staff did not conduct community outreach specific to the proposed name "Inell Woods Park". However, previous communications, meeting flyers, newsletters and media advisories from the Office of Council District 9 and HTB over the last several years have referred to the park as the future "Inell Woods Park" or mentioned that the park would be named in honor of Inell Woods. RAP staff is not aware of community opposition to the proposed name.

For all the reasons stated in this Report, RAP staff recommends the naming the future park "Inell Woods Park" and installing appropriate signage as a part of the Project.

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PROJECT FUNDING

As previously noted above, in 2010 HTB secured \$1,328,843 in grant funding from the Proposition 84 Statewide Park Program. In the intervening years, HTB has raised additional funds from various funds and foundations and has secured Community Development Block Grant (CDBG) funds from the City for the Project. It should be noted that none of the donations that HTB has received for the Project include obligations or conditions that RAP would need to assume as grantee once the Project is completed and final accepted by the RAP Board.

The total amount of funding available for the Proposed Project is Two Million, Seven Hundred Sixty-Eight Thousand, Eight Hundred Forty-Three Dollars (\$2,768,843), which is the total budget for the Project.

FUNDING SOURCE MATRIX

Source	Fund/Dept/Acct	Amount	Percentage
Proposition 84 Statewide Park Program	N/A	\$1,328,843	48%
Bonneville Environmental Fund	N/A	\$170,000	6%
Gilbert Foundation	N/A	\$25,000	1%
Resources Legacy Funds (Campbell Foundation)	N/A	\$25,000	1%
Los Angeles County Supervisor Holly Mitchell	N/A	\$20,000	1%
Community Development Block Grant (CDBG)	N/A	\$1,200,000	43%
Total		\$2,768,843.00	100%

PROJECT CONSTRUCTION

Construction of the Project is anticipated to begin in February 2024 and is scheduled to be completed by July 2024.

TREES AND SHADE

The proposed Project includes the installation of multiple tree species to provide shade for the park, including seven (7) Holly Oaks, one (1) Mexican Elderberry, two (2) Toyon, two (2) Gold Medallion, and one (1) Marina Strawberry Tree for a total of thirteen (13) new trees.

ENVIRONMENTAL IMPACT

The proposed Project consists of installation and construction of limited numbers of new equipment in a public facility which includes the installation of signs.

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According to the parcel profile report retrieved January 12, 2024, this area resides in a liquefaction zone. The construction of this Project will not create conditions that could lead to liquefaction. This site is not within a coastal, methane, or historic zone, so there is no reasonable possibility that the proposed Project may impact on an environmental resource of hazardous or critical concern or have a significant effect due to unusual circumstances. No other known projects would involve cumulatively significant impacts, and no future projects would result from the proposed Project. As of January 12, 2024, the State Department of Toxic Substances Control (DTSC) (Envirostor at www.envirostor.dtsc.ca.gov) and the State Water Resources Control Board (SWCB) (Geotracker at <https://geotracker.waterboards.ca.gov/>) have not listed the Project site. They list case 71003756, a plating plan, near the Project area (within 1,000 feet). The plan listed as a hazardous waste site under Government Code Section 65962.5. According to the Caltrans Scenic Highway Map there is no scenic highway located within the vicinity of the proposed Project or within its site. Furthermore, the proposed Project is not located in proximity of a known historical resources and will not cause a substantial adverse change in the significance of any historical resource.

Based in this information, RAP staff recommends that the Board determines that the proposed Project is categorically exempt from the provisions of the California Environmental Quality Act (CEQA) pursuant to Article 19, Section 15303(e) and 15311(a) of California CEQA Guidelines and Article III, Section 1, Class 3(6) and 11(5) of City CEQA Guidelines. Staff will file a Notice of Exemption with the Los Angeles County Clerk upon Board's approval.

FISCAL IMPACT

The approval of Report will have a fiscal impact on RAP's General Fund.

The estimated costs for the design, development, and construction of the proposed park will be funded by sources other than RAP's General Fund.

The majority of the operational maintenance costs for the future park will be the responsibility of RAP and will require additional funding and resources. The Department of Public Works, LA Sanitation and Environment will maintain a portion of the proposed Permavoid stormwater BMP system. A funding request for RAP staff and materials will be submitted by RAP as a part of the upcoming annual budget request.

STRATEGIC PLAN INITIATIVES AND GOALS

Approval of this Board Report advances RAP's Strategic Plan by supporting:

Goal No. 3: Create & Maintain World Class Parks and Facilities

Outcome No. 1: Newly developed park projects and the redesign of signature City parks

Result: The development of a new neighborhood park will benefit the lives of community residents and provide park access to residents within a one half mile walking distance.

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This Report was prepared by Darryl Ford, Superintendent, Planning, Maintenance and Construction Branch.

ATTACHMENTS

- 1) Attachment 1 – Final Project Plans
- 2) Attachment 2 – Final Project Plans (“B” Permit Elements)
- 3) Attachment 3 – Donation Agreement between RAP and Heal the Bay (Contract No. C-127290).
- 4) Attachment 4 – Department of Recreation and Parks Naming Policy, Procedures and Guidelines for Parks and Recreational Facilities

PROJECT: *INELL WOODS PARK*

8703 McKinley Avenue
LOS ANGELES, CA 90002

Description of Work:

This park project will provide amenities for the neighborhood.
These will include:

1. Perimeter fence with entry gates
2. Play equipment
3. Adult exercise equipment
4. Game tables, benches, hydration station, & trash receptacles
5. Shade Trees, Shrubs, and Groundcover plants
6. Permeable pavement
7. Permavoid BMP
8. Irrigation system
9. Outdoor Lighting

CLIENT:
Heal the Bay

LANDSCAPE ARCHITECT/DESIGNER:

JAMIE CHEN, PLA
NORTH EAST TREES
570 W. AVENUE 26, SUITE 200
LOS ANGELES, CA 90065
T: 323.441.8634 :: F: 323.441.8618
www.northeasttrees.org

ENGINEERING CONSULTANT:

BARBARA L. HALL, PE, INC.
318 WEST EVERGREEN AVENUE
MONROVIA, CA 91006
T: 626-256-3220 ::

GEOTECHNICAL CONSULTANT:

BYER GEOTECHNICAL, INC.
1461 EAST CHEVY CHASE DRIVE, SUITE 200
GLENDALE, CA 91206
T: 818-549-9959 :: F: 818-543-3747
www.byergeo.com

GENERAL NOTES

I. SCOPE OF WORK

- A. WORK SHALL CONSIST OF FURNISHING ALL MATERIALS, SERVICES AND EQUIPMENT NECESSARY TO COMPLETELY INSTALL ALL LANDSCAPE WORK AS INDICATED ON THE DRAWINGS AND HEREIN SPECIFIED.
- B. THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS AND INSPECTIONS.
- C. CONTRACTOR SHALL INSTALL ALL IMPROVEMENTS IN ACCORDANCE WITH THE CITY OF LOS ANGELES DEPARTMENT OF RECREATION AND PARKS' REQUIREMENTS.
- D. WORK NOT INCLUDED WILL BE INDICATED ON THE DRAWINGS AS 'FUTURE', 'EXISTING', 'N.I.C.' OR 'BY OTHERS'.
- E. IT IS THE RESPONSIBILITY OF THE SUBCONTRACTORS TO FAMILIARIZE THEMSELVES WITH ALL GRADE DIFFERENCES, LOCATION OF WALLS, UTILITIES, SEWERS, WATER LINES, ETC. COORDINATE WITH WITH OTHER SUBCONTRACTORS FOR THE LOCATION AND INSTALLATION OF PIPE SLEEVES UNDER PAVING, ELECTRICAL CONNECTIONS, WATER HOOK-UPS, ETC.
- F. ALL REQUIREMENTS OF THE 2020 CITY OF LOS ANGELES BUILDING CODE SHALL APPLY TO THE WORK SPECIFIED HEREIN UNLESS OTHERWISE MODIFIED BY THESE DOCUMENTS.
- G. CONTRACTOR TO NOTIFY DIG-ALERT, 800-227-2600, AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION.
- H. THE CONTRACTOR SHALL OBTAIN (AND KEEP IN FORCE DURING THE PERIOD OF THE CONTRACT) LIABILITY INSURANCE, AS REQUIRED BY ALL APPLICABLE CODES AND REGULATIONS.

II. ESTIMATION OF DRAWINGS AND SITE:

CONTRACTOR SHALL CAREFULLY EXAMINE THE DRAWINGS AND SPECIFICATIONS, VISIT THE SITE TO FULLY INFORM HIMSELF/HERSELF AS TO THE EXISTING CONDITIONS AND LIMITATIONS APPLYING TO THE WORK, AND HE/SHE SHALL ESTIMATE A SUM SUFFICIENT TO COVER THE COSTS OF ALL ITEMS NECESSARY TO COMPLETE THIS WORK.

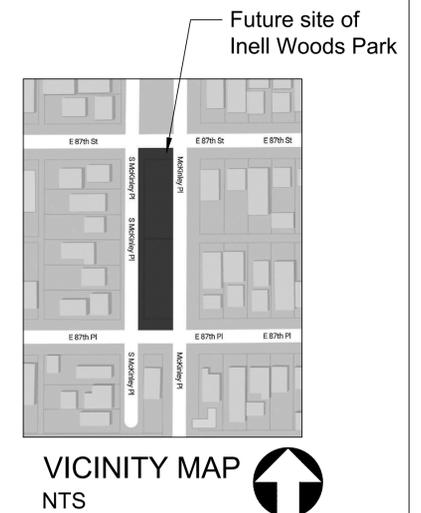
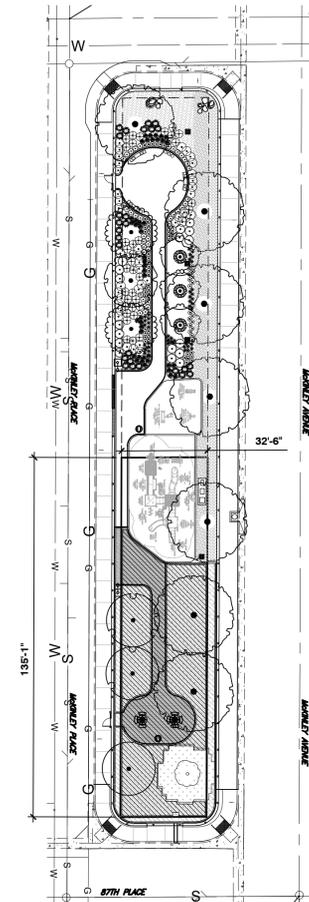
- A. CONTRACTOR SHALL READ THESE PLANS AND NOTES COMPLETELY AND BRING ANY DISCREPANCIES TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE IMMEDIATELY UPON DISCOVERY.
- B. EXTRA WORK TO BE APPROVED IN WRITING BY THE OWNER PRIOR TO THE COMMENCEMENT OF WORK.

III. VERIFICATIONS OF DIMENSIONS AND QUANTITIES:

ALL SCALED DIMENSIONS ARE APPROXIMATED. BEFORE PROCEEDING WITH ANY WORK, CAREFULLY CHECK AND VERIFY ALL DIMENSIONS AND QUANTITIES AND INFORM OWNER'S REPRESENTATIVE OF ANY DISCREPANCY BETWEEN THE DRAWINGS OR SPECIFICATIONS AND ACTUAL CONDITIONS. REFRAIN FROM DOING ANY WORK IN SAID AREAS UNTIL GIVEN APPROVAL TO DO SO.

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L-3	CONSTRUCTION DETAILS	C4.01	DETAILS
L-4	FITNESS EQUIPMENT DETAILS	C4.02	DETAILS
L-5	FITNESS EQUIPMENT DETAILS	C4.03	PERMAVOID CALCS
L-6	PLAYGROUND DETAILS	C5.01	SWPPP NOTES
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L-8	PLAYGROUND DETAILS		
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L-10	PLAYGROUND DETAILS		
L-11	PLAYGROUND DETAILS		
L-12	IRRIGATION PLAN		
L-13	HYDROZONE PLAN		
L-14	IRRIGATION DETAILS		
L-15	IRRIGATION DETAILS		
L-16	PLANTING PLAN		
L-17	PLANTING DETAILS		



LEGAL DESCRIPTION

The east 32.5 feet of south 135 feet of Lot 12 of Tract 473, in the City of Los Angeles, County of Los Angeles, State of California, as per Map recorded in Book 17, Pages 150-151, in the Office of the County Recorder of said county.



Under ground Service Alert of Southern California
Call: TOLL FREE 811
TWO WORKING DAYS BEFORE YOU DIG



North East Trees
570 West Avenue 26 Suite 200
Los Angeles California 90065
Tel: 323.441.8634
Fax: 323.441.8618
www.northeasttrees.org



Heal the Bay

Heal the Bay
1444 9th Street
Santa Monica, CA 90401
Tel. 310-451-1500
www.healththebay.org



Inell Woods Park
8703 McKinley Ave.
Los Angeles
California 90002

TITLE SHEET

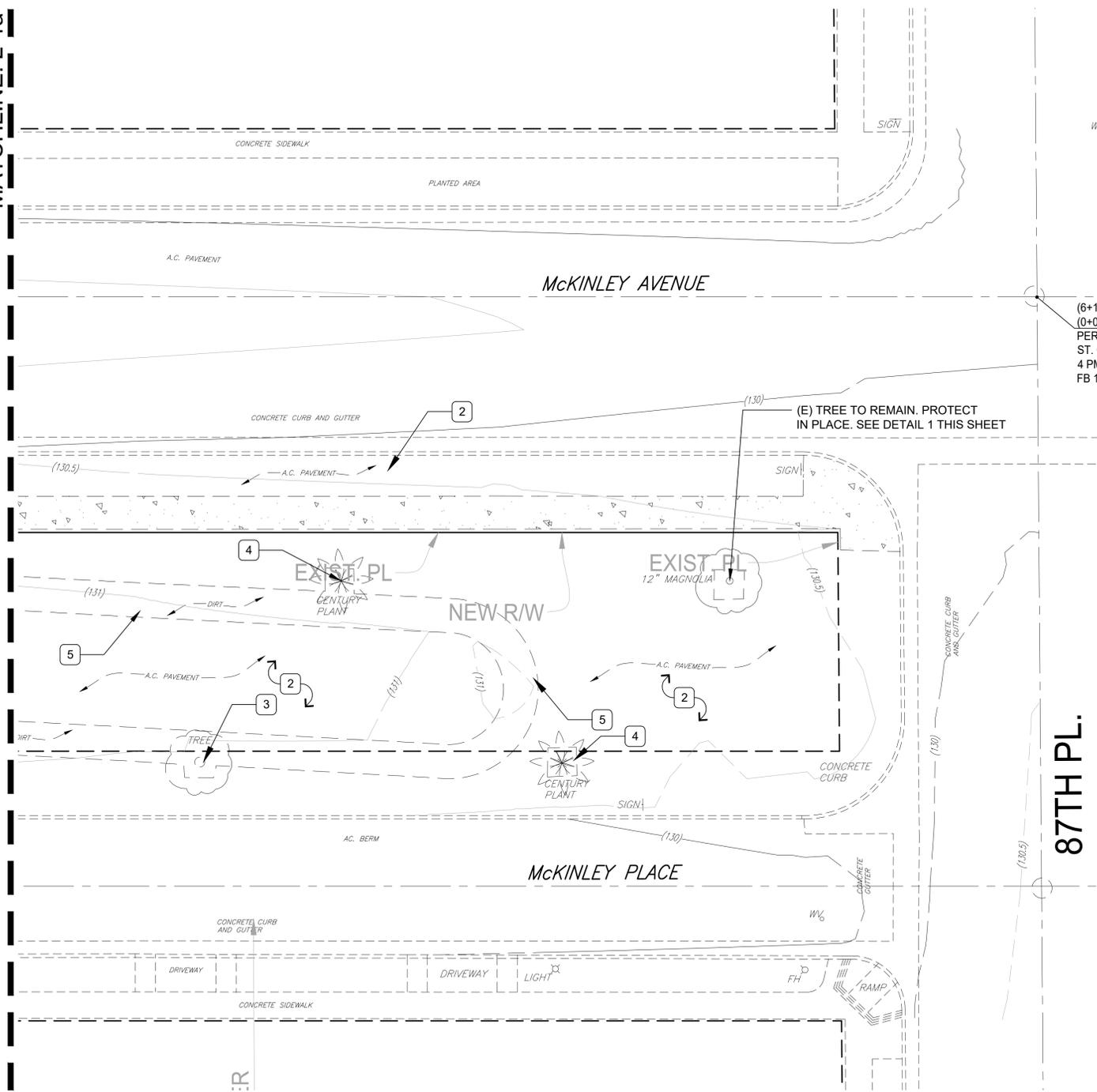


DATE: June 02, 2022
DRAWN BY: TR & JC
CHECKED BY: JC
REVISIONS:

SHEET:
T-0

OF: 19 SHEETS

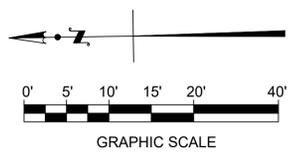
MATCHLINE: L-1a



NOTE:
REPAIR ANY BROKEN, OFF GRADE OR BAD ORDER CONCRETE CURBS, GUTTERS AND SIDEWALKS TO THE SATISFACTION OF THE CITY ENGINEER.

PLAN

SCALE: 1"= 10'

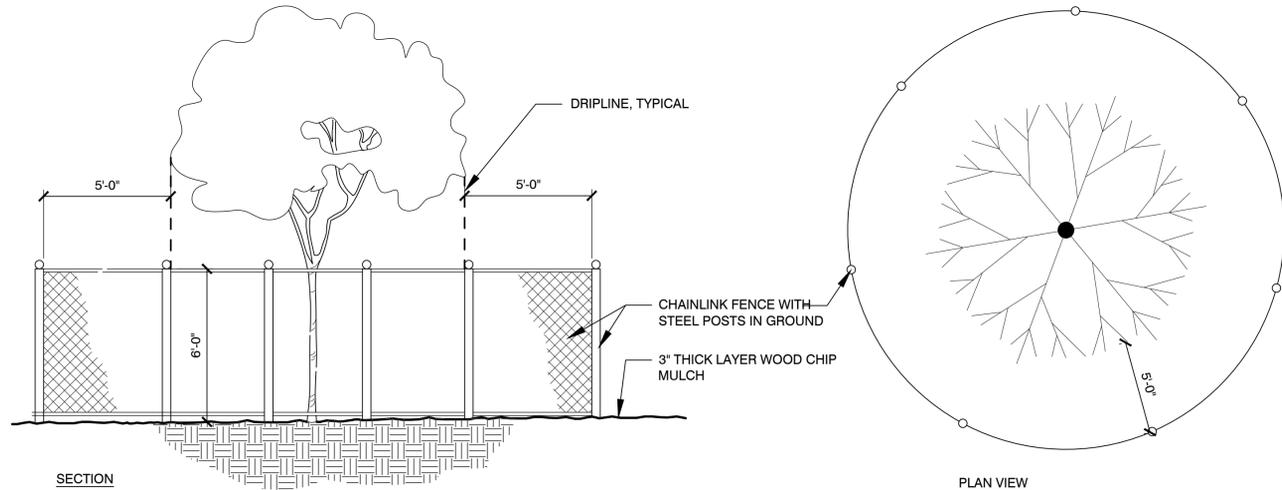


DEMOLITION NOTES

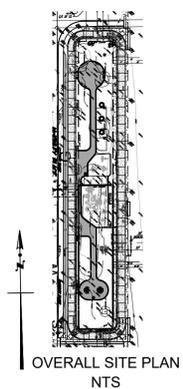
1. CONTRACTOR TO LOCATE ALL UTILITIES PRIOR TO ANY DEMOLITION WORK. CALL DIG-ALERT, 800-227-2600, A MINIMUM OF TWO WORKING DAYS BEFORE PROJECTED START OF DEMOLITION.
2. DRAWING IS DIAGRAMMATIC - CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS AND LOCATIONS ON THE SITE. CONTRACTOR TO VISIT SITE BEFORE BEGINNING DEMOLITION.
3. CONTRACTOR SHALL OBTAIN ALL PERMITS REQUIRED TO COMPLETE THE WORK SPECIFIED. CONTRACTOR IS RESPONSIBLE FOR ALL PERMIT FEES.
4. EXECUTE ALL WORK SO AS TO PROTECT ADJACENT PROPERTY, BUILDINGS, SITE FURNISHINGS, TREES, AND OTHER PLANT MATERIAL, ETC.
5. PROTECT AND MAINTAIN EXISTING ACTIVE UTILITIES THROUGHOUT THE DEMOLITION PERIOD. ANY UTILITY WHICH IS DAMAGED OR BROKEN SHALL BE REPAIRED AT NO COST TO THE OWNER.
6. CONTRACTOR SHALL NOT WILLFULLY PROCEED WITH WORK AS SHOWN ON THE DRAWINGS WHEN IT IS OBVIOUS IN THE FIELD THAT THERE ARE UNKNOWN OBSTRUCTIONS OR GRADE DIFFERENCES IN THE AREA. SUCH OBSTRUCTIONS OR DIFFERENCES SHOULD BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/DESIGNER.
7. CONTRACTOR SHALL MAINTAIN A NEAT AND ORDERLY WORK AREA AND SHALL REMOVE ALL DEBRIS PROMPTLY FROM THE JOB SITE AND DISPOSE OF IT PROPERLY. CONTRACTOR IS RESPONSIBLE FOR ALL REMOVAL AND DISPOSAL FEES.
8. DO NOT REMOVE ANY ITEM IF IT IS NOT SPECIFICALLY CALLED OUT FOR DEMOLITION. CONTACT THE ARCHITECT/DESIGNER IF THERE ARE QUESTIONS.

DEMOLITION LEGEND

- 1 (E) CONCRETE WALK TO BE REMOVED
 - 2 (E) A.C. PAVING TO BE REMOVED
 - 3 (E) TREE TO BE REMOVED
 - 4 (E) AGAVE AMERICANA (CENTURY PLANT) TO BE REMOVED
 - 5 (E) D.G. PATH TO BE REMOVED
 - 6 (E) ALL PLANTER BOXES TO BE REMOVED
 - 7 (E) ALL SITE FURNITURE TO BE REMOVED
- (E) = EXISTING



1 TREE PROTECTION
NOT TO SCALE



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Inell Woods Park
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DEMOLITION PLAN



DATE: June 02, 2022
DRAWN BY: TR & JC
CHECKED BY: JC
REVISIONS:

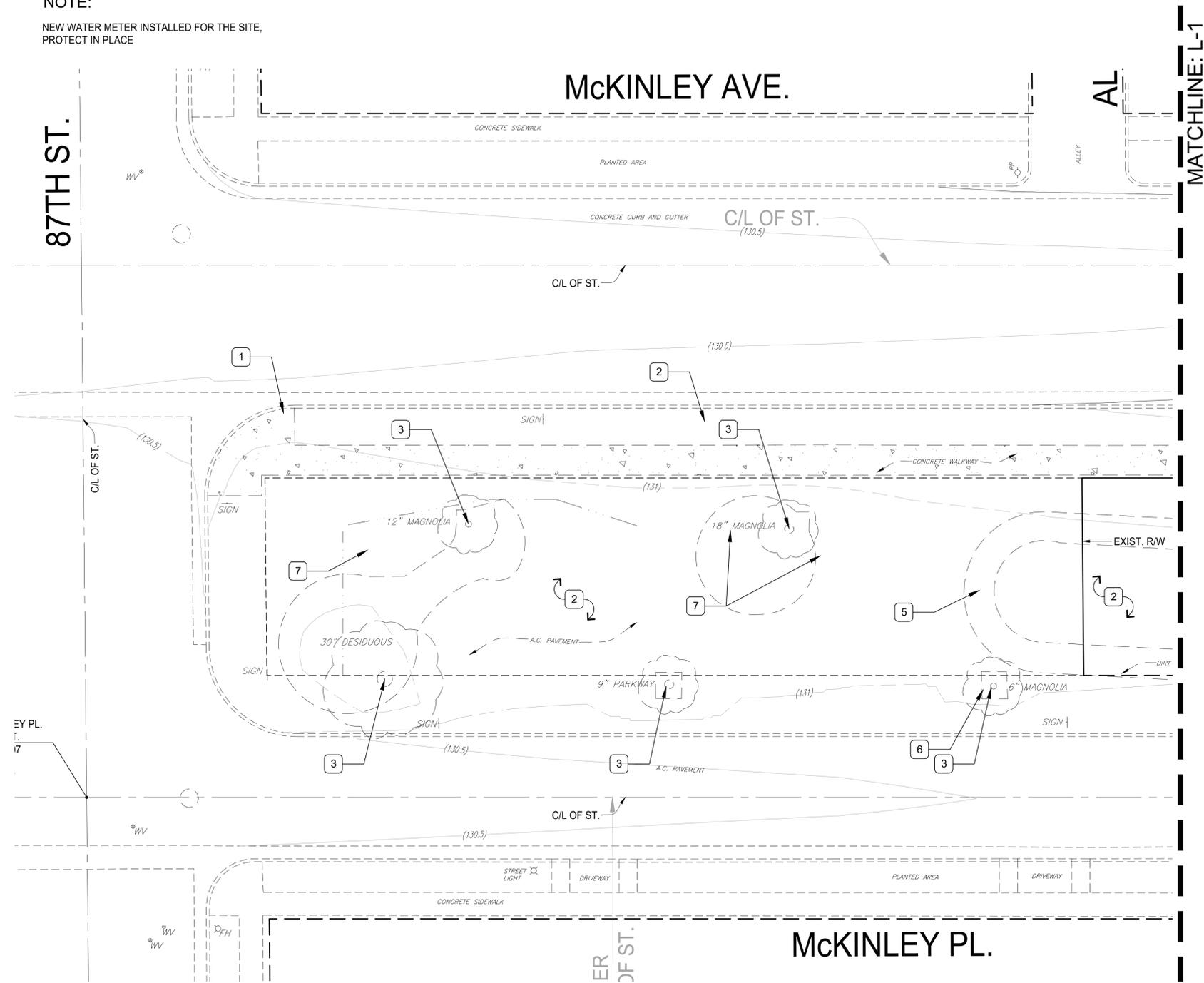
SHEET:

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OF: 19 SHEETS

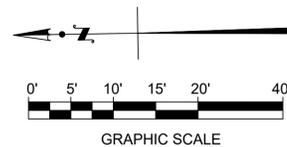
NOTE:

NEW WATER METER INSTALLED FOR THE SITE,
PROTECT IN PLACE



PLAN

SCALE: 1"= 10'



Under
ground
Service Alert
of Southern California
Call: TOLL FREE
811

TWO WORKING DAYS BEFORE YOU DIG

DEMOLITION NOTES

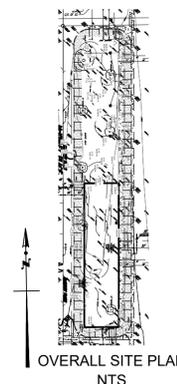
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DEMOLITION PLAN



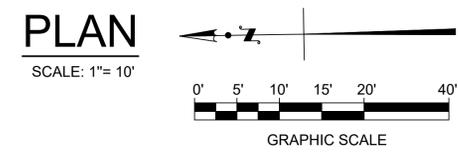
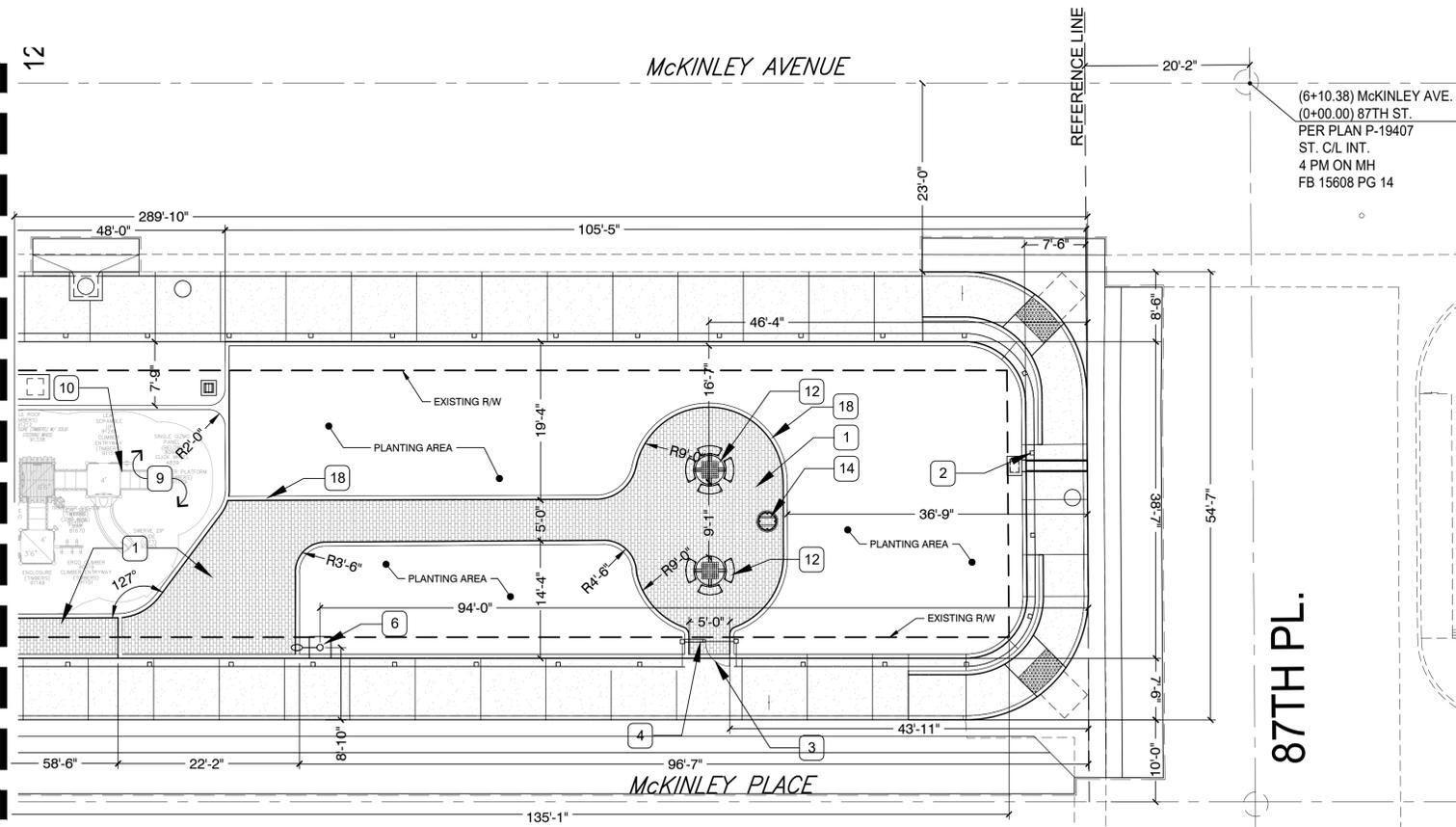
DATE: June 02, 2022
DRAWN BY: TR & JC
CHECKED BY: JC
REVISIONS:

SHEET:

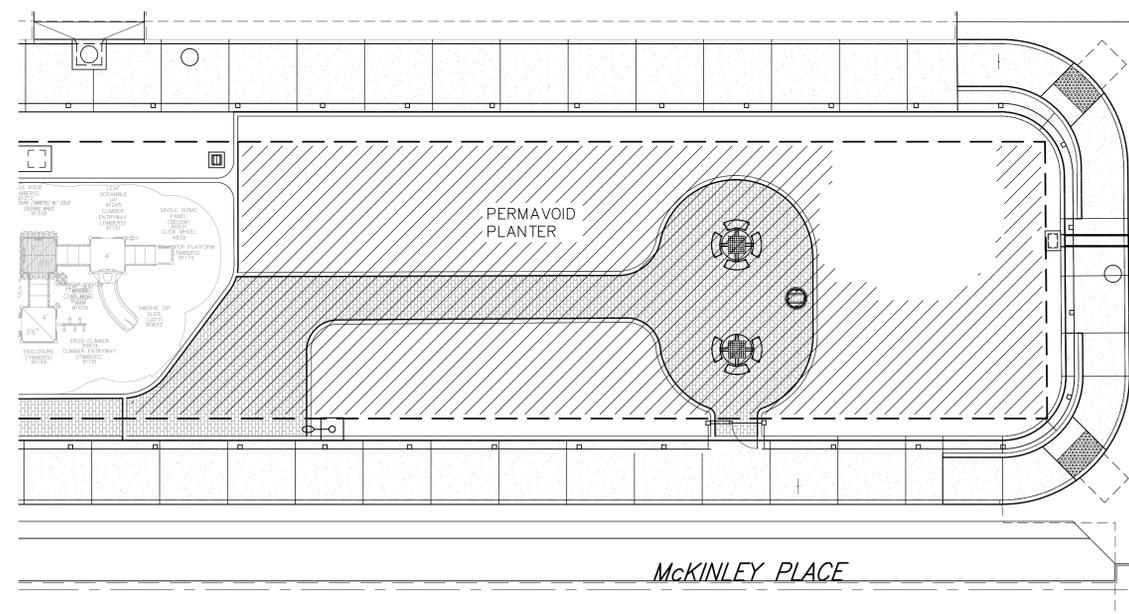
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OF: 19 SHEETS

SEE B-PERMIT PLANS FOR REMAINING IMPROVEMENTS



PERMAVOID LAYOUT PLAN



CONSTRUCTION NOTES

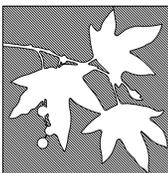
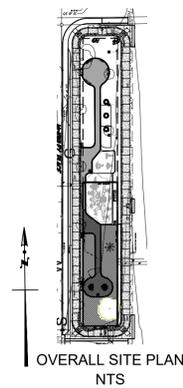
1. ALL DIMENSIONS ARE TAKEN FROM FACE OF WALL OR EDGE OF PAVING UNLESS OTHERWISE NOTED ON THE PLAN. THE DIMENSIONS ARE SHOWN FOR APPROXIMATE LINE ONLY. ALL RADII AND CURVES SHALL HAVE SMOOTH CONTINUOUS TRANSITIONS WITHOUT ABRUPT CHANGES OR BENDS.
2. CONTRACTOR SHALL VERIFY LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION. CALL DIG-ALERT, 800-227-2600, A MINIMUM OF TWO WORKING DAYS PRIOR TO PROJECTED START OF EXCAVATION.
3. CONTRACTOR SHALL VERIFY LOCATION OF EXISTING IRRIGATION LINES PRIOR TO CONSTRUCTION. PROTECT IN PLACE AND CAP OFF IF REQUIRED.
4. ALL HARDWARE, NAILS, LAGS, MACHINE BOLTS, ETC. TO BE HOT-DIPPED GALVANIZED. ON METAL WORK, ALL SEAMS TO BE SEALED AND CAULKED.
5. CONTRACTOR SHALL CHECK ALL DIMENSIONS, FRAMING CONDITIONS AND SITE CONDITIONS BEFORE STARTING WORK. THE LANDSCAPE ARCHITECT SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES OR POSSIBLE DEFICIENCIES.
6. CONTRACTOR TO COORDINATE INSTALLATION OF PLAY EQUIPMENT AND PIP SURFACING WITH CPSI FOREMAN. ALL MANUFACTURED PLAY EQUIPMENT, SURFACING, AND SITE FURNISHINGS TO BE INSTALLED PER MANUFACTURERS' RECOMMENDATIONS AND SPECIFICATIONS.
7. CONTRACTOR SHALL MAINTAIN A NEAT AND ORDERLY JOB SITE AND SHALL REMOVE ALL DEBRIS PROMPTLY FROM THE WORK AREA AND DISPOSE OF IT PROPERLY. CONTRACTOR IS RESPONSIBLE FOR ALL REMOVAL AND DISPOSAL FEES.

PA = PLANTING AREA
(E) = EXISTING

CONSTRUCTION LEGEND

- 1 ANGELUS PERMEABLE HOLLAND PAVERS, COLOR CREAM-SAND-RED, SRI 36-33-37. SRI TO BE GREATER THAN 29 PER S-601-3. 4X8 MACHINE LAY W/ 80MM THICKNESS & STANDARD FINISH. RUNNING BOND PATTERN. AVAILABLE FROM ANGELUS BLOCK CO. 951-328-9115 2,243 TOTAL SF. OR SUBMITTED APPROVED EQUAL. INSTALL PER DETAIL 1, SHEET L-3
- 2 6' TUBULAR STEEL PERIMETER FENCE, MONTAGE II, GENESIS STYLE BY AMERISTAR OR APPRVD. EQUAL. COLOR TO BE SELECTED. AVAILABLE FROM AMERISTAR PERIMETER SECURITY 888-333-3422. OR SUBMITTED APPROVED EQUAL.
- 3 ADA GATE CLEARANCES.
- 4 6' TUBULAR STEEL PEDESTRIAN GATE WITH 3' LEAF. MONTAGE II, GENESIS STYLE BY AMERISTAR. COLOR TO BE SELECTED. AVAILABLE FROM AMERISTAR PERIMETER SECURITY 888-333-3422. OR SUBMITTED APPROVED EQUAL.
- 5 12'-FT ROLLING METAL SERVICE GATE, PASSPORT II, GENESIS STYLE BY AMERISTAR. COLOR TO BE SELECTED. AVAILABLE FROM AMERISTAR PERIMETER SECURITY. 388-333-3422. OR SUBMITTED APPROVED EQUAL.
- 6 VISIONAIRE PAVILLION II LED SECURITY LIGHTING. AVAILABLE FROM VISIONAIRE LIGHTING, 310-512-6480. OR SUBMITTED APPROVED EQUAL. INSTALL PER DETAIL 2 & 3, SHEET L-3
- 7 GTIMPAX POURED-IN-PLACE SURFACING, 2 TO 3-INCHES OVER CONCRETE, AVAILABLE FROM GAMETIME, 800-453-2735. COLOR TO BE SELECTED. OR SUBMITTED APPROVED EQUAL. INSTALLATION BY CERTIFIED INSTALLER
- 8 GTFIT ADULT EXERCISE EQUIPMENT AVAILABLE FROM GAMETIME - SEE ITEM 13 BELOW. ELLIPTICAL, MODEL #13255;; CHEST PRESS, MODEL #13274; SIT-UP/ BACK EXTENSION, MODEL #13249. OR SUBMITTED APPROVED EQUAL.
- 9 GTIMPAX POURED-IN-PLACE RESILIENT SURFACING AVAILABLE FROM GAMETIME. OR SUBMITTED APPROVED EQUAL. INSTALLATION BY CERTIFIED INSTALLER
- 10 PLAYGROUND EQUIPMENT AVAILABLE FROM GAMETIME; LOCAL REP GREAT WESTERN PARK & PLAYGROUND, TYLER KYRIOPOULOS 800-453-2735, OR 435-760-5103 (CELL) OR tyler@gwpark.com OR SUBMITTED APPROVED EQUAL. INSTALLATION BY CERTIFIED INSTALLER
- 11 CONCRETE BENCH RADIUS. AVAILABLE FROM OUTDOOR CREATIONS, INC. 530-365-6106. MODEL #404R203; COLOR TO BE SELECTED. OR SUBMITTED APPROVED EQUAL.
- 12 GAME TABLES; 2 TOTAL, MODEL #107AC (ADA ACCESSIBLE), MODEL #107S. AVAILABLE FROM OUTDOOR CREATIONS, INC. 530-365-6106. COLOR TO BE SELECTED. OR SUBMITTED APPROVED EQUAL. INSTALL PER DETAILS 4 & 5, SHEET L-3
- 13 CONCRETE PLANTER RING, MODEL #305. COLOR TO BE SELECTED. AVAILABLE FROM OUTDOOR CREATIONS, INC. 530-365-6106. OR SUBMITTED APPROVED EQUAL.
- 14 TRASH RECEPTACLE, MODEL AGD-55FT W/ FLAT TOP. AVAILABLE FROM ULTRASITE 800-458-5872. COLOR TO BE SELECTED. INSTALL PER DETAIL 7, SHEET L-3
- 15 LANDSCAPE BOULDERS AVAILABLE FROM SUNBURST DECORATIVE ROCK, 626-446-4994.
- 16 CITY OF LOS ANGELES DEPT. RECREATION & PARKS STANDARD FACILITY SIGN 818-252-6611.
- 17 DRINKING FOUNTAIN, MODEL GYQ84-CV-IAP-RAP. AVAILABLE FROM MURDOCK MANUFACTURING, 626-336-4561.
- 18 CONCRETE CURB, 6"W x 12" THICK, NATURAL COLOR W/ MEDIUM BROOM FINISH. INSTALL PER DETAIL 1, SHEET L-3.

NOTE:
REPAIR ANY BROKEN, OFF GRADE OR BAD ORDER CONCRETE CURBS, GUTTERS AND SIDEWALKS TO THE SATISFACTION OF THE CITY ENGINEER.



North East Trees
570 West Avenue 26 Suite 200
Los Angeles, California 90065
Tel: 323.441.8634
Fax: 323.441.8618
www.northeasttrees.org



Heal the Bay
1444 9th Street
Santa Monica, CA 90401
Tel. 310-451-1500
www.healthebay.org



Inell Woods Park
8703 McKinley Ave.
Los Angeles
California 90002

CONSTRUCTION PLAN



DATE: June 02, 2022
DRAWN BY: TR & JC
CHECKED BY: JC
REVISIONS:

SHEET:

L-2

OF: 19 SHEETS

MODEL #404R203 - BENCH WITH RADIUS CURVE | OUTDOOR CREATIONS, INC. | SCALE: 1" = 24" | DRAWN BY: MNC

PLAN
14"
83 1/2"
Inside radius to be 203

ELEVATION
4"
83 1/2"
14"
18"
17"

Threaded inserts in legs for mounting dowels (1 per leg)

Poured in place concrete footings

INSTALLATION RECOMMENDATIONS:
1. Bench requires epoxy applied to cover bottom of entire leg.
2. Epoxy adhesive should be checked periodically to ensure continued adhesion.
3. Bench may also be mechanically attached.

NOTES:
1. Concrete mix to include a mixture of Portland Cement, water, coarse and fine aggregates, pure mineral oxide coloring agents (when applicable) to yield a minimum compressive strength of 5000 psi.
2. Final product shall be reinforced with #4 and #5 rebar grid.
3. Product is cast in 1-piece with no assembly required.
4. Hairline cracks may develop over time. These are not structural failures, but inherent characteristics of the material itself.
5. Air pockets are a common occurrence in precast products. The frequency and size of air pockets are variable and to be expected, especially on vertical surfaces.
6. Concrete corners and edges will chip if not handled according to guidelines. Patch kits are available but may or may not blend and can be variable.
7. There is a level of care and maintenance associated with your product and is the responsibility of the end user. Choosing the right sealer can help minimize those costs.

WEIGHT: 650 LBS
TEXTURE:
COLOR:
SEALER:

OUTDOOR CREATIONS, INC.
12270 Barney Street
Van Nuys, CA 91411
(818) 365-4106
FAX: (818) 365-9129

6 RADIAL CONCRETE BENCH
SCALE: NTS

ANCHOR RODS
MAX (3) 1" CONDUITS
FOR POWER AND
CAMERA WIRING

VERT. REINF.
EQUEL SPACED

DIAMETER
A-A

HAND-HOLE

GROUT BASE

BASE COVER

ROUND CONC. BASE
WITH BEVELED EDGES

CONCRETE PER GREEN BOOK
RECOMMENDATIONS

ANCHOR BOLTS PER POLE MFR
RECOMMENDATIONS

FINISHED GRADE

CONDUIT(S) 24" BELOW GRADE.
ALL RISERS AND 90° BENDS
SHALL BE PVC SCHEDULE 80.

(6) #4 REBARS WITH (3) #3
HORIZONTAL REBAR TIES
@ 12" ON CENTER

NOTE: D=18" WHEN POLE IS
LOCATED IN PLANTER AREA.
D=12" OR FLUSH WITH FINISHED
GRADE WHEN POLE LOCATED
WITHIN CONCRETE AREA.

4'-6" MIN

2'-0"

DIAMETER

3" CLEAR (TYP)
TOP AND BOTTOM

3 FOUNDATION DETAIL 2
SCALE: N.T.S.

JOINT FILLING STONE GRADATION;
ASTM NO. 8

7.87" X 3.93" X 3-1/8" ANGELUS
BLOCK CO. PERMEABLE HOLLAND
PAVING STONES. COLOR
'CREAM-SAND-TERRACOTTA'

CONCRETE CURB
6" WIDE x 12" THICK
PER CITY STANDARD S-486-0

1-1/2 TO 2 INCH THICK NO. 8
BEDDING COURSE, TYP.

4 INCH THICK NO. 57 STONE
OPEN-GRADED BASE

NO. 2 STONE SUB-BASE.
2' DEPTH

NATIVE SOIL

1 ANGELUS HOLLAND PERMEABLE PAVERS
SCALE: 3/4" = 1'-0" | 016 -

ultra site
A PLAN CONCRETE

ULTRASITE
1675 LOCUST ST.
RED BUD, IL 62278
TOLL FREE: 1-800-458-5872
www.ultra-site.com

SELECT DESIRED LID OPTION:
 FLAT TOP (SHOWN)
 ASH URN
 RAIN BONNET

SELECT DESIRED MOUNT:
 SURFACE MOUNT
 PORTABLE

ISOMETRIC

FRONT ELEVATION

PLAN

38.916"

29.1316"

108.916"

108.916"

29.1316"

38.916"

RECEPTACLES
AUGUSTA COLLECTION: RECEPTACLE

NET Detail Sheets, 2022 LADBS PERMIT
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REVISION DATE: 24/07/2023
CAD66666.com

7

MODEL# 107AC
ROUND CONCRETE TABLE W/WHEELCHAIR ENTRY | OUTDOOR CREATIONS, INC. | SCALE: 1" = 24" | DRAWN BY: MNC

SIDE ELEVATION

PLAN

SECOND SIDE ELEVATION

19"

43"

4"

32 1/2"

8"

14"

5"

52"

71"

43"

11"

36"

5"

Threaded coil insert and rod provided with table for mechanical attachment into 3" dia. grout pocket on side by others.

NOTES:
1. Concrete mix to include a mixture of Portland Cement, water, coarse and fine aggregates, pure mineral oxide coloring agents (when applicable) to yield a minimum compressive strength of 5000 psi.
2. Final product shall be reinforced with #4 and #5 rebar grid.
3. Product is cast in 1-piece with no assembly required.
4. Hairline cracks may develop over time. These are not structural failures, but inherent characteristics of the material itself.
5. Air pockets are a common occurrence in precast products. The frequency and size of air pockets are variable and to be expected, especially on vertical surfaces.
6. Concrete corners and edges will chip if not handled according to guidelines. Patch kits are available but may or may not blend and can be variable.
7. There is a level of care and maintenance associated with your product and is the responsibility of the end user. Choosing the right sealer can help minimize those costs.

WEIGHT: 2000 LBS
TEXTURE:
COLOR:
SEALER:

OUTDOOR CREATIONS, INC.
12270 Barney Street
Van Nuys, CA 91411
(818) 365-4106
FAX: (818) 365-9129

4 CONCRETE TABLE; ADA COMPLIANT
SCALE: 1" = 24" | DRAWN BY: MNC

VISIONAIRE LIGHTING CATALOG #:

PAVILION II FIXTURE:
FD-L-15-B4LC-530-4000K-UNV-YM2-SM-C1-H1-PC-BBG,
ACTIVATED BY MOTION SENSOR.

POLE: RNTS-4R-11-18-RBC-343-S1-GAL,
TEMPERED PROOF SCREWS FOR HAND HOLE
COVER AND BASE COVER.

18"

26"

8"

7"

20'

4" ROUND, NON-TAPERED STEEL POLE

1'-6"

NOTE:
POLE CONCRETE FOOTING
PER MANUFACTURER'S
SPECIFICATIONS

2 LIGHTING FIXTURE & POLE
N.T.S.

3/4" THICKNESS COLORED RUBBER WEAR LAYER

1" THICKNESS RECYCLED RUBBER BASE LAYER

RUBBERWAY FLEXIBLE POROUS PAVING

KEYWAY 1"X3"

CONCRETE

2" (19MM) CLEAN COARSE AGGREGATE

MIRAFIX 140N GEOTEXTILE FABRIC

BASE COURSE

EXISTING SUBGRADE

PRIME CONCRETE EDGE 30
MINUTES PRIOR TO INSTALLATION OF
RUBBERWAY POROUS PAVING

RUBBER KEYWAY

MIN 4" DEPTH

NOTE:
ALL INFORMATION SHOWN IS SUGGESTED. DUE TO APPLICATION
VARIANCES, IT IS THE RESPONSIBILITY OF THE ENGINEER OF
RECORD TO PROVIDE ALL INFORMATION REQUIRED TO BUILD
LOCAL BUILDING CODES AND REGULATIONS. THIS DETAIL IS FOR
REPRESENTATIVE PURPOSES ONLY AND SHOULD NOT BE
SOLELY USED FOR CONSTRUCTION PURPOSES UNLESS IT HAS
BEEN CERTIFIED AND SEALED BY A QUALIFIED ENGINEER.

Rubberway, Inc.
4000 Barranca Pkwy,
Ste 250
Irvine, CA 92604
Phone: 877.286.0045
rubberway.com

SHEET NAME: RUBBERWAY RAMP 2 LAYER
SYSTEM BETWEEN CONCRETE FLATWORK

SHEET: DETAIL NO. 18

APPROVED BY: KA | DRAWN BY: JAB | DATE: 1/23/15

DUE TO VARIANCES IN LOCAL CODES, CONSTRUCTION PRACTICES AND REQUIREMENTS, ALL DETAILS SHALL BE CONSTRUCTED IN ACCORDANCE WITH SUCH LOCAL CODES, CONSTRUCTION PRACTICES AND REQUIREMENTS REGARDLESS OF DETAIL
CONSTRUCTION SHOWN IN DRAWING. RUBBERWAY, INC. RESERVES THE RIGHT TO CHANGE SPECIFICATIONS SHOWN WITHOUT NOTICE. ALL CHANGES TO SPECIFICATIONS CAN ONLY BE APPROVED BY RUBBERWAY, INC.

5 CONCRETE TABLE w/ GAME BOARD
SCALE: NTS

MODEL# 107S - ROUND CONCRETE TABLE | OUTDOOR CREATIONS, INC. | SCALE: 1" = 24" | DRAWN BY: MNC

SIDE ELEVATION

PLAN

19"

43"

4"

32 1/2"

8"

14"

5"

52"

71"

43"

11"

36"

5"

Threaded coil insert and rod provided with table for mechanical attachment into 3" dia. grout pocket on side by others.

NOTES:
1. Concrete mix to include a mixture of Portland Cement, water, coarse and fine aggregates, pure mineral oxide coloring agents (when applicable) to yield a minimum compressive strength of 5000 psi.
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WEIGHT: 2000 LBS
TEXTURE:
COLOR:
SEALER:

OUTDOOR CREATIONS, INC.
12270 Barney Street
Van Nuys, CA 91411
(818) 365-4106
FAX: (818) 365-9129

5 CONCRETE TABLE w/ GAME BOARD
SCALE: NTS

North East Trees
570 West Avenue 26 Suite 200
Los Angeles, California 90065
Tel: 323.441.8634
Fax: 323.441.8618
www.northeasttrees.org

Heal the Bay
North East Trees logo

Heal the Bay
1444 9th Street
Santa Monica, CA 90401
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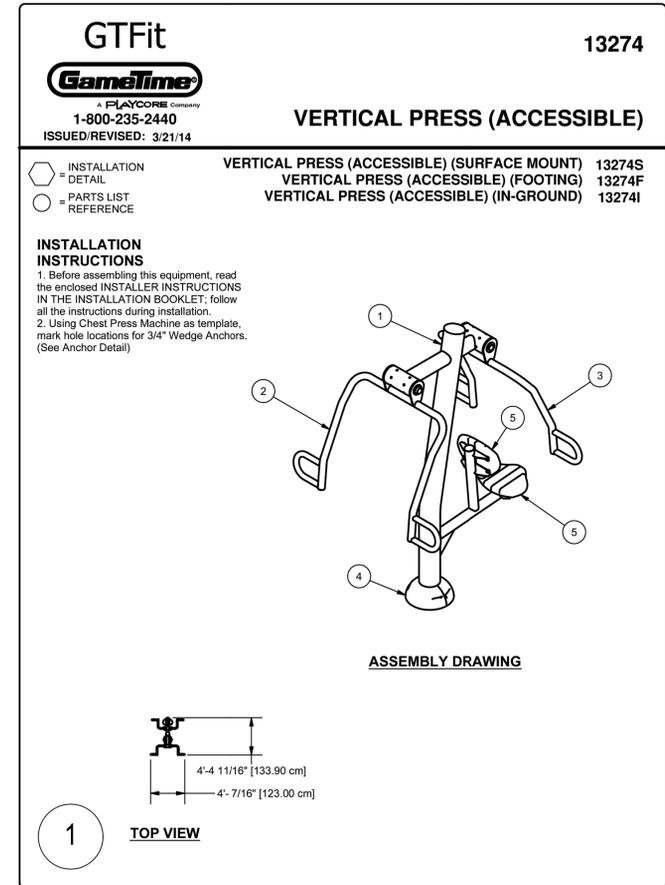
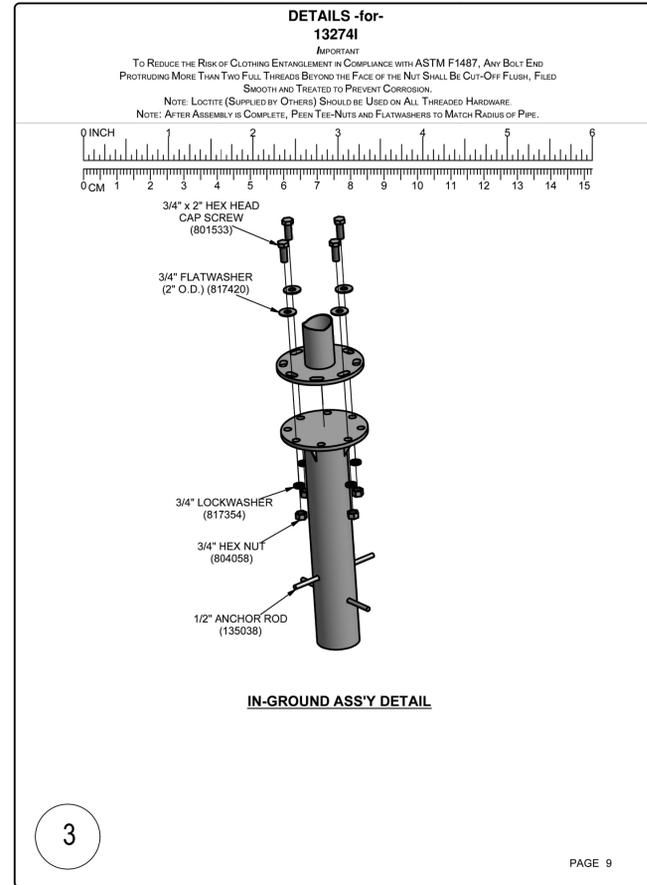
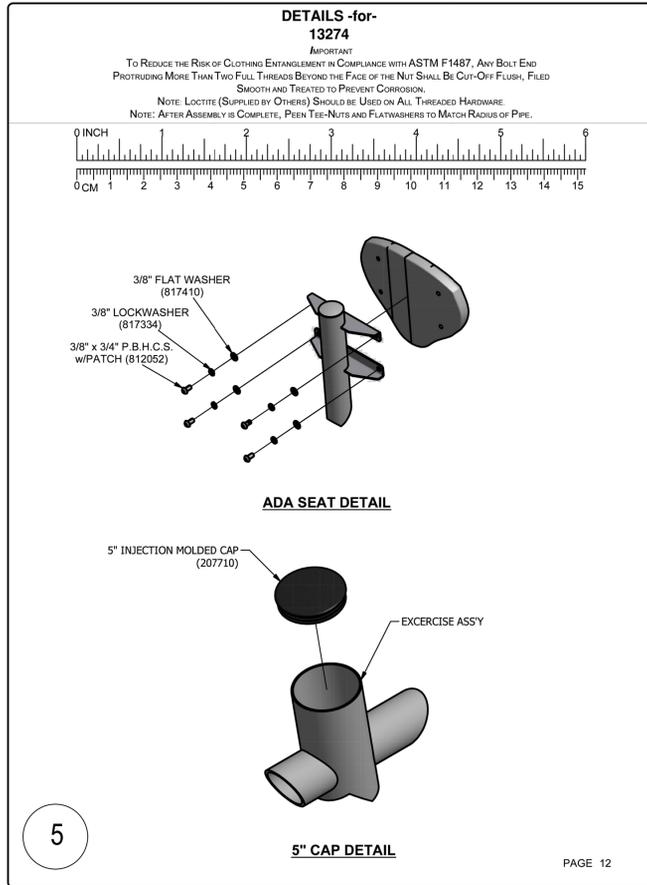
PARK PROUD LA
California State Parks logo

Inell Woods Park
8703 McKinley Ave.
Los Angeles
California 90002

CONSTRUCTION DETAILS

DATE: June 02, 2022
DRAWN BY: TR & JC
CHECKED BY: JC
REVISIONS:

SHEET: L-3
OF: 19 SHEETS



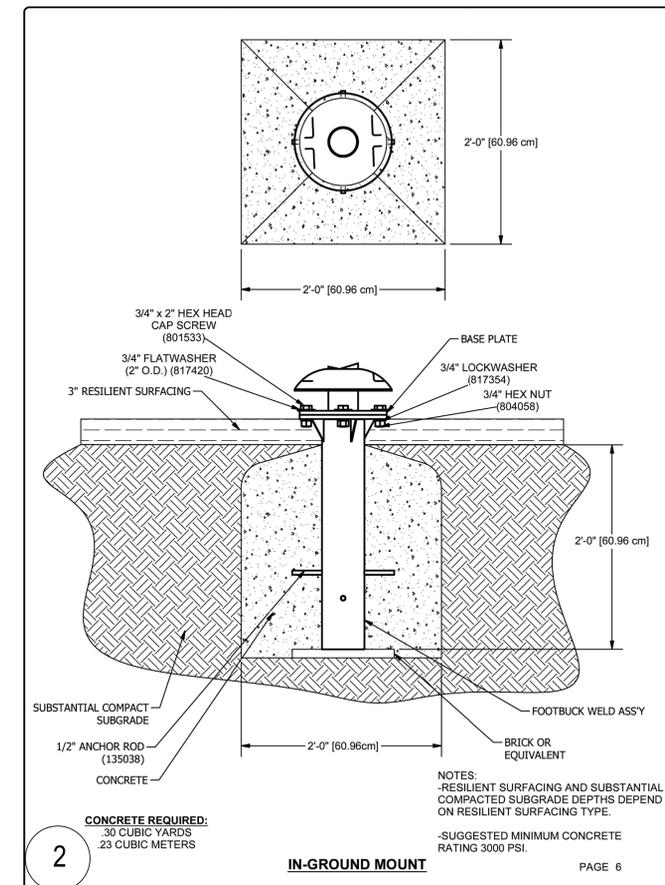
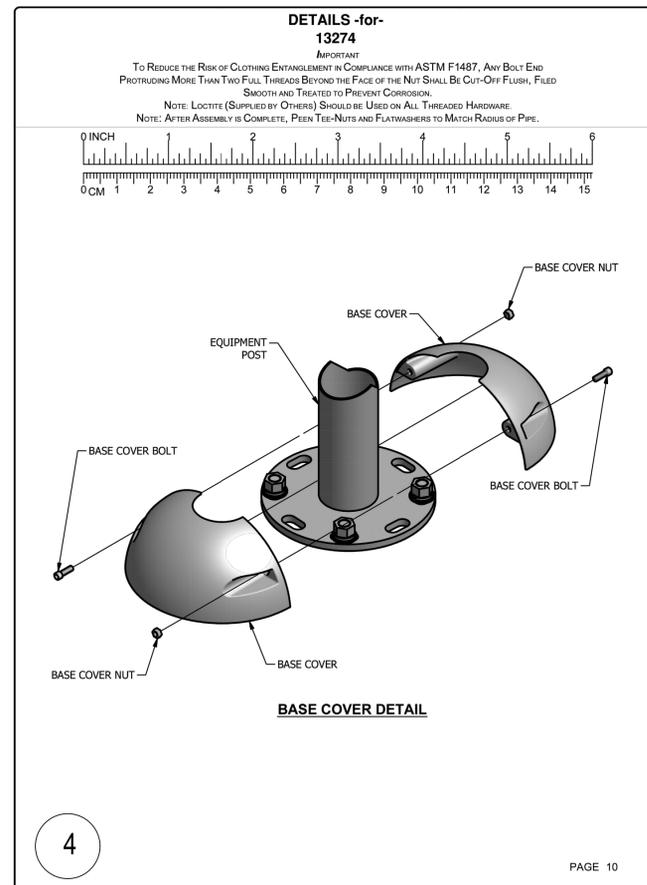
Parts List

REF	DESCRIPTION	13274S	13274F	13274I	PART NUMBER
1	ADA CHEST PRESS ASS'Y	1	1	1	206967
2	ADA VERTICAL HANDLE BAR WELD ASS'Y	1	1	1	207537
3	VERTICAL HANDLE BAR WELD AS'Y	1	1	1	207534
4	5" BASE COVER	1	1	1	207659
5	ADA SEAT/BACKREST	2	2	2	207600
	FOOTBUCK WELD ASS'Y	0	0	1	206467
	HARDWARE COMPLETE	1	0	0	207605
	HARDWARE COMPLETE	0	1	0	207606
	HARDWARE COMPLETE	0	0	1	207607
	3/8" x 3/4" P.B.H.C.S. w/PATCH	8	8	8	812052*
	3/8" LOCKWASHER	8	8	8	817334*
	3/8" FLAT WASHER	8	8	8	817410*
	3/4" x 2" HEX HEAD CAP SCREW	0	0	4	801533*
	3/4" LOCKWASHER	4	4	4	817354*
	3/4" FLATWASHER (2" O.D.)	0	8	4	817420*
	3/4" HEX NUT	0	8	4	804058*
	3/4" ANCHOR BOLT	0	4	0	800001*
	3/4" x 4 1/4" WEDGE ANCHOR	4	0	0	206358*
	1/2" ANCHOR ROD	0	0	2	135038*
	5" INJECTION MOLDED CAP	1	1	1	207710*
	ALUMINUM BOLT GUARD	4	4	4	207657*

Unless Otherwise Specified, All Units of Measure are Each
* Included in Hardware

Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.
Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.

PAGE 2



North East Trees
570 West Avenue 26 Suite 200
Los Angeles, California 90065
Tel: 323.441.8634
Fax: 323.441.8618
www.northeasttrees.org



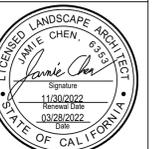
Heal the Bay

Heal the Bay
1444 9th Street
Santa Monica, CA 90401
Tel. 310-451-1500
www.healththebay.org



Inell Woods Park
8703 McKinley Ave.
Los Angeles
California 90002

FITNESS EQUIPMENT DETAILS



DATE: June 02, 2022
DRAWN BY: TR & JC
CHECKED BY: JC
REVISIONS:

SHEET:

L-4

OF: 19 SHEETS

DETAILS -for- 13249
IMPORTANT
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.
NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.

BODY SIT UP & BACK EXTENSION ASS'Y DETAIL

11

PAGE 12

SPECIFICATIONS

BASE COVER: The Base Cover shall be constructed from aluminum and powder coated.

BODY PLATE: The Body Plate shall be constructed from stainless steel and powder coated.

BOLT CAP: The Bolt Cap shall be constructed from aluminum and powder coated.

CUSHION: The Cushion shall be injection molded polyurethane.

INSTRUCTIONS: The instructions shall be constructed from aluminum produced by silk-screen printing.

MAIN PIPE: The main frame shall be an all welded assembly fabricated from SPP (carbon steel pipe) and dual phase steel plate. The frame shall be powder coated.

PIPE CAP: The Pipe Cap shall be constructed from injection molded Nylon W6.

POST CAP: The Post Cap shall be constructed from injection molded Polyethylene.

HARDWARE: All nuts, bolts, screws, and lock washers used in the assembly shall be stainless steel, yellow dichromate plated steel, blue-coat plated steel, mechanically galvanized or powder coated/yellow dichromate plated steel. All primary fasteners shall be 304 alloy stainless steel. Fasteners with yellow dichromate treatment have an electro-deposited, 99.9% pure zinc substrate applied from a specially formulated solution sealed with a yellow dichromate top coat designed to work in conjunction with the zinc plating.

**GROUND PLAN
IN-GROUND AND FOOTER**

9

PAGE 3

GTFit
GameTime
A PLAYCORE Company
1-800-235-2440
ISSUED/REVISED: 04/14/14

13255
ELLIPTICAL

INSTALLATION INSTRUCTIONS
1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS IN THE INSTALLATION BOOKLET; follow all the instructions during installation.
2. Using Elliptical Machine as template, mark hole locations for 3/4" Wedge Anchors. (See Anchor Detail)

ASSEMBLY DRAWING

7

PAGE 1

DETAILS -for- 13249
IMPORTANT
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.
NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.

IN-GROUND ASS'Y DETAIL 2

12

PAGE 14

**SUPPORT FOOTBUCK
IN-GROUND MOUNT**

CONCRETE REQUIRED:
16 CUBIC YARDS
.12 CUBIC METERS

NOTES:
-RESILIENT SURFACING AND SUBSTANTIAL COMPACTED SUBGRADE DEPTHS DEPEND ON RESILIENT SURFACING TYPE.
-SUGGESTED MINIMUM CONCRETE RATING 3000 PSI.

10

PAGE 7

GTFit
GameTime
A PLAYCORE Company
1-800-235-2440
ISSUED/REVISED: 07/30/2014

13249
**SIT-UP / BACK
EXTENSION**

INSTALLATION INSTRUCTIONS
1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS IN THE INSTALLATION BOOKLET; follow all the instructions during installation.
2. Using Sit-Up / Back Extension Machine as template, mark hole locations for 3/4" Wedge Anchors. (See Anchor Detail)

ASSEMBLY DRAWING

8

PAGE 1



North East Trees
570 West Avenue 26 Suite 200
Los Angeles, California 90065
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Fax: 323.441.8618
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Santa Monica, CA 90401
Tel. 310-451-1500
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Inell Woods Park
8703 McKinley Ave.
Los Angeles
California 90002

**FITNESS
EQUIPMENT
DETAILS**



DATE: June 02, 2022
DRAWN BY: TR & JC
CHECKED BY: JC
REVISIONS:

SHEET:
L-5
OF: 19 SHEETS

NEW! POWER SCAPE PLUS
GameTime
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 1-800-235-2440
 ISSUED/REVISED: 9/11/12

81670 CRUNCH BAR

○ = INSTALLATION DETAIL
 ○ = PARTS LIST REFERENCE

CRUNCH BAR 5-12 81670
CRUNCH BAR 2-5 81696

TOP VIEW

ASSEMBLY DRAWING

PARTS LIST

REF NO.	DESCRIPTION	NO. REQ'D.	PART NUMBER
1	Crunch Bar Assembly	1	169781
	Hardware Complete	1	160404
	3/8" x 1" P.B.H.C.S. w/ Patch	2	812050*
	3/8" Lockwasher	2	817334*

*Unless Otherwise Specified, All Units of Measure are Each *Included in Hardware*

Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.

Note: Loctite (supplied by others) should be used on all threaded hardware.

5

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 ISSUED/REVISED: 11/22/16

81687 HIGH WHISTLE

○ = INSTALLATION DETAIL
 ○ = PARTS LIST REFERENCE

ASSEMBLY DRAWING

TOP VIEW

PARTS LIST

REF NO.	DESCRIPTION	NO. REQ'D.	PART NUMBER
1	High Whistle	1	178214
	Hardware Complete	1	177390
	3/8" x 1 1/4" P.B.H.C.S. w/ Patch	2	812051*
	3/8" Lockwasher	2	817334*
	3/8" Flatwasher	2	817410*

*Unless Otherwise Specified, All Units of Measure are Each *Included in Hardware*

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Note: Loctite (supplied by others) should be used on all threaded hardware.

6

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 1-800-235-2440
 ISSUED/REVISED: 9/11/12

81669 HAND CYCLER

○ = INSTALLATION DETAIL
 ○ = PARTS LIST REFERENCE

INSTALLATION INSTRUCTIONS

- Before assembling this equipment, read the enclosed INSTALLATION INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
- Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.

ASSEMBLY DRAWING

TOP VIEW

PARTS LIST

REF NO.	DESCRIPTION	NO. REQ'D.	PART NUMBER
1	Hand Cycler	1	178368
	Hardware Complete	1	178388
	3/8" x 1 1/4" P.B.H.C.S. w/ Patch	4	812051*
	3/8" Lockwasher	4	817334*

*Unless Otherwise Specified, All Units of Measure are Each *Included in Hardware*

Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.

Note: Loctite (supplied by others) should be used on all threaded hardware.

4

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 ISSUED/REVISED: 9/11/12

81668 HAND CYCLER

○ = INSTALLATION DETAIL
 ○ = PARTS LIST REFERENCE

INSTALLATION INSTRUCTIONS

- Before assembling this equipment, read the enclosed INSTALLATION INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
- Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.

ASSEMBLY DRAWING

TOP VIEW

PARTS LIST

REF NO.	DESCRIPTION	NO. REQ'D.	PART NUMBER
1	Hand Cycler	1	178368
	Hardware Complete	1	178388
	3/8" x 1 1/4" P.B.H.C.S. w/ Patch	4	812051*
	3/8" Lockwasher	4	817334*

*Unless Otherwise Specified, All Units of Measure are Each *Included in Hardware*

Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.

Note: Loctite (supplied by others) should be used on all threaded hardware.

4

NEW! POWER SCAPE PLUS
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 ISSUED/REVISED: 3/24/10

80000 DECKS

○ = INSTALLATION DETAIL
 ○ = PARTS LIST REFERENCE

Note: The Uprights Shown Are Not Included In The Deck Packages. See Overall Plan View For Uprights.

INSTALLATION INSTRUCTIONS

- Before assembling this equipment, read the enclosed *Installer Instructions* in the installation booklet; follow all the instructions during assembly.
- Dig ground holes per Ground Plan.
- Attach deck to uprights using (1) Detail 030 per upright.
- Loctite (supplied by others) should be used on all threaded hardware.
- When decks are at the same height as shown in Assembly Drawing, fasten together using (2) Detail 031.

NOTE: Remove vinyl from the two inside holes, with 1/2" bit.

ASSEMBLY DRAWING

TOP VIEWS

PARTS LIST

REF NO.	DESCRIPTION	80000	80001	PART NUMBER
1	Punched Deck, Square	1	0	163307
2	Punched Deck, Triangle	0	1	163317
	Hardware Complete	1	0	161254
	Hardware Complete	0	1	161255
	3/8" x 3/4" P.B.H.C.S. w/ Patch	2	2	812052*
	3/8" x 1 1/2" P.B.H.C.S.	8	6	810053*
	3/8" Tee-Nut	2	2	804556*
	3/8" Lockwasher	10	8	817334*
	3/8" Flatwasher (1 1/4" O.D.)	10	8	817424*

*Unless Otherwise Specified, All Units of Measure are Each *Included in Hardware*

Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.

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2

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 ISSUED/REVISED: 3/24/10

80000 DECKS

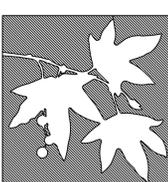
○ = INSTALLATION DETAIL
 ○ = PARTS LIST REFERENCE

Note: Hole Depths Indicated on All Ground Plans are Measured From The Finished Surface. See Detail 032. All Footing Dimensions are Based on Level Finished Surface.

GROUND PLANS

Concrete Required
 .10 Cubic Yards [07 cm]
 Per Upright Ground Hole

2



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PLAYGROUND EQUIPMENT DETAILS

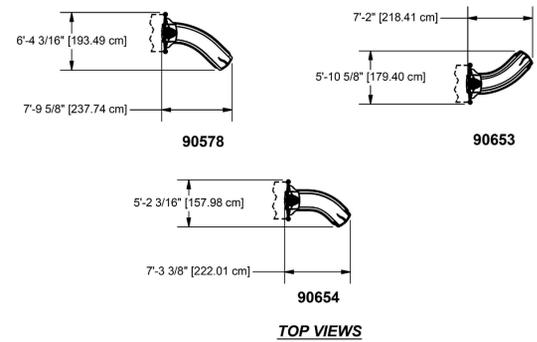


DATE: June 02, 2022
 DRAWN BY: TR & JC
 CHECKED BY: JC
 REVISIONS:

SHEET:

L-6

OF: 19 SHEETS

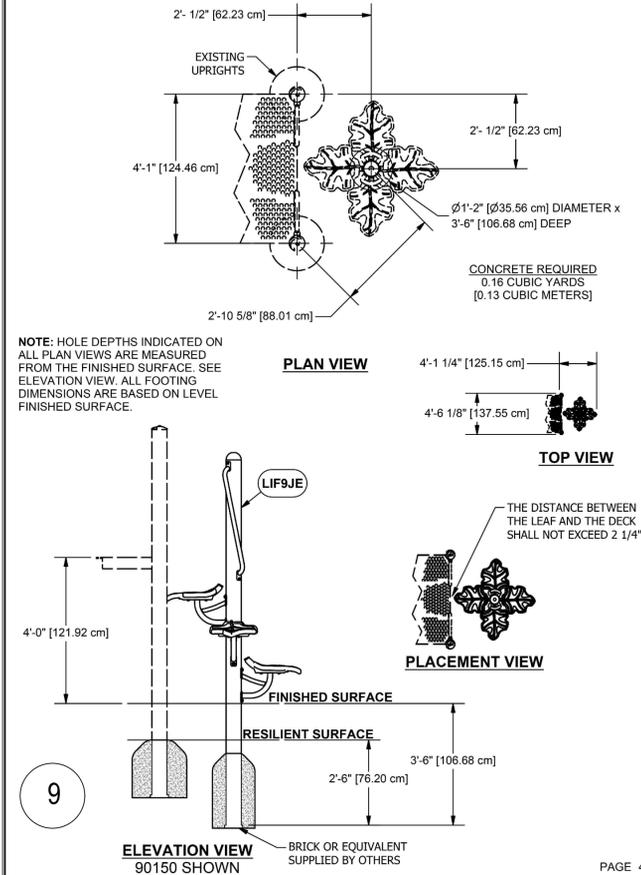


Parts List					
REF.	DESCRIPTION	90578	90653	90654	PART NUMBER
1	SWERVE SLIDE	1	0	0	204590
1	SWERVE SLIDE	0	1	0	205958
1	SWERVE SLIDE	0	0	1	205959
2	SINGLE ZIP SLIDE HOOD	1	1	1	203858
3	FOOTBUCK WELD ASS'Y	1	0	0	204879
3	FOOTBUCK WELD ASS'Y	0	1	1	176385
HARDWARE COMPLETE					
	3/8" x 3/4" P.B.H.C.S. w/PATCH	4	4	4	812052*
	3/8" x 1 3/4" P.B.H.C.S. w/PATCH	2	2	2	812054*
	3/8" x 2 1/4" P.B.H.C.S. w/PATCH	2	2	2	812056*
	3/8" x 2 3/4" P.B.H.C.S. w/PATCH	2	2	2	812058*
	3/8" FLAT WASHER	4	4	4	817410*
	3/8" FLAT WASHER (1" O.D.)	2	2	2	817401*
	3/8" FLAT WASHER (1 1/4" O.D.)	4	4	4	817424*
	3/8" LOCK WASHER	11	11	11	817334*
	6" EXTENSION	1	1	1	151080*
	3/8" HEX NUT	1	1	1	804053*
	3/8" x 3 1/2" HEX HEAD	1	1	1	801013*

Unless Otherwise Specified, All Units of Measure are Each *Included in Hardware

Warning: During Installation, Hardware And Small Parts are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly is Completed. Once Assembly is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.

Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete. Note: Loctite (supplied by others) should be used on any non-patch hardware.



POWER SCAPE PLUS
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 ISSUED/REVISED: 8/17/16

81766 LEAF SEAT

INSTALLATION INSTRUCTIONS
 1. Before assembling this equipment, read the enclosed INSTALLATION INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
 2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.

CONCRETE REQUIRED: 0.16 CUBIC YARDS [0.13 CUBIC METERS]

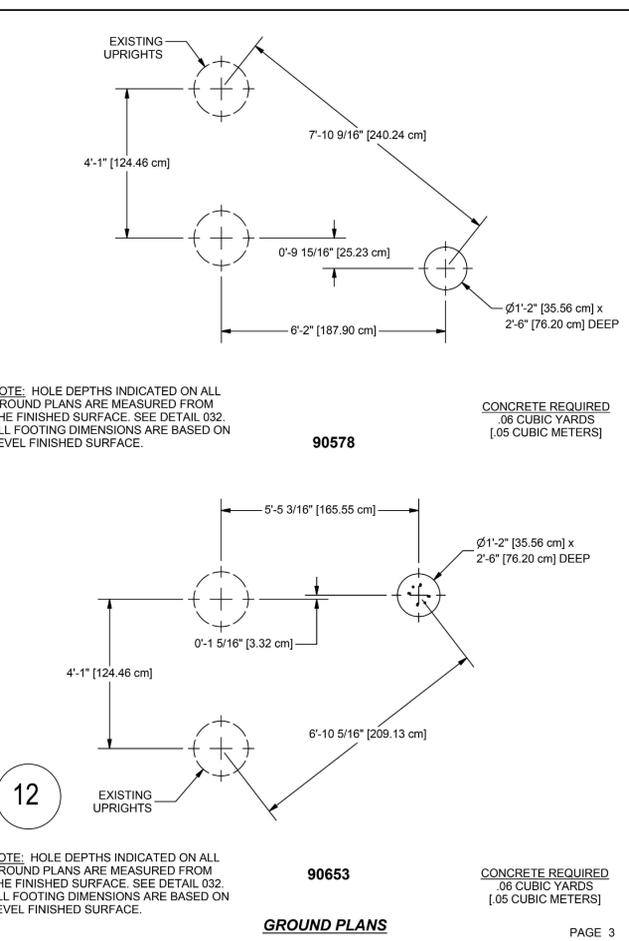
ASSEMBLY VIEW: 1'-3 3/16" [38.60 cm] x 2'-11 1/8" [62.72 cm]

Parts List			
REF.	DESCRIPTION	QTY	PART NUMBER
1	LEAF STEP	1	201413
2	LEAF BRACKET	1	201695
HARDWARE COMPLETE			
	3/8" x 1" P.B.H.C.S. w/PATCH	4	812050*
	3/8" x 1 1/4" P.B.H.C.S. w/PATCH	2	812051*
	3/8" LOCKWASHER	6	817334*
	3/8" FLAT WASHER	6	817410*

Unless Otherwise Specified, All Units of Measure are Each *Included in Hardware

Warning: During Installation, Hardware And Small Parts are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly is Completed. Once Assembly is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.

Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.



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 ISSUED/REVISED: 6/19/18

90578 SWERVE ZIP SLIDE (SINGLE)

5' RIGHT 90578
 4'-6" RIGHT 90578
 4'-0" LEFT 90653
 4'-0" RIGHT 90654
 3'-6" LEFT 90653
 3'-6" RIGHT 90654

NOTE: BEDWAY MUST NOT EXCEED 50° DOWNWARD ANGLE PER ASTM AND CSA STANDARD.

INSTALLATION INSTRUCTIONS
 1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
 2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.

EXIT HEIGHT CHART -for- 4'-6" & 5'-0"	
STANDARD	EXIT HEIGHT from SURFACING
ASTM	7" TO 15"
CSA	175mm TO 380mm
EN	350mm OR LESS

EXIT HEIGHT CHART -for- 3'-6" & 4'-0"	
STANDARD	EXIT HEIGHT from SURFACING
ASTM	11" OR LESS
CSA	275mm OR LESS
EN	200mm OR LESS

SEE EXIT HEIGHT CHART

ONLY FOR 5'-0" AND 4'-0" DECK HEIGHT

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 ISSUED/REVISED: 12/02/2020

90150 SINGLE VINE CLIMBER ATTACHMENT

STANDARD DOUBLE VINE CLIMBER ATTACHMENT 90151

INSTALLATION INSTRUCTIONS
 1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
 2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
 3. LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.
 4. DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.

ASSEMBLY VIEW: 202319, 201413, 201695

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PLAYGROUND EQUIPMENT DETAILS



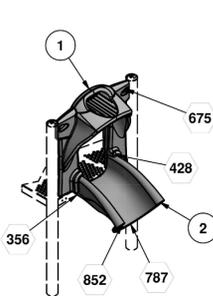
DATE: June 02, 2022
 DRAWN BY: TR & JC
 CHECKED BY: JC
 REVISIONS:

SHEET:

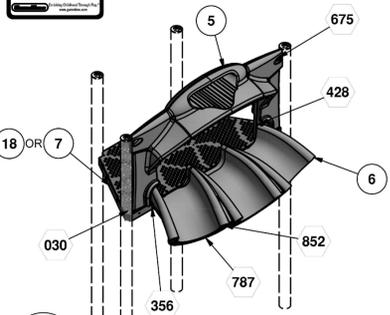
L-7

**90700
 WILDER
 SLIDE II**

- INSTALLATION
- DETAIL
- PARTS LIST
- REFERENCE

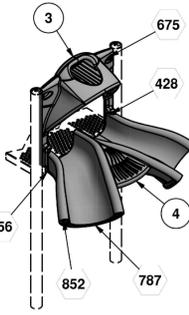


**ASSEMBLY DRAWING
 90700 SHOWN**



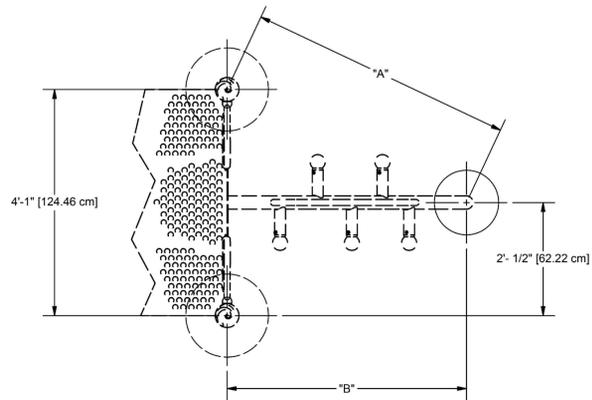
**ASSEMBLY DRAWING
 90763 SHOWN
 90764 SIMILAR**

- SINGLE ENTRANCE 90700
- DOUBLE ENTRANCE 90701
- TRIPLE ENTRANCE 90763
- STRAIGHT 90703
- CURVE LEFT 90704
- CURVE RIGHT 90705
- EXIT 90706
- 140° HELIX SPIRAL 90707
- HELIX SPIRAL 90708
- SLIDE SUPPORT 90709
- SLIDE SUPPORT 90710
- SLIDE SUPPORT 90718
- LONG EXIT 90762
- TRIPLE ENTRANCE ADA 90764
- DOUBLE STRAIGHT 90729
- OUTRIGGER 90776



**ASSEMBLY DRAWING
 90701 SHOWN**

17



NOTE: HOLE DEPTHS INDICATED ON ALL PLAN VIEWS ARE MEASURED FROM THE FINISHED SURFACE. SEE ELEVATION VIEW. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.

CONCRETE REQUIRED:
 .06 CUBIC YARDS
 (.05 CUBIC METERS)

FINAL NUMBER	DECK HEIGHT	DIM 'A'	DIM 'B'
90619	4'-0"	4'-1 7/8" [126.61 cm]	4'-7 9/16" [141.08 cm]
90619	4'-6"	4'-3 3/8" [130.52 cm]	4'-8 15/16" [144.60 cm]
90620	5'-0"	4'-4 7/8" [134.28 cm]	4'-10 1/4" [148.00 cm]
90620	5'-6"	4'-6 7/16" [138.27 cm]	4'-11 11/16" [151.63 cm]
90621	6'-0"	4'-6 1/4" [137.79 cm]	4'-11 1/2" [151.19 cm]

PLAN VIEWS

15

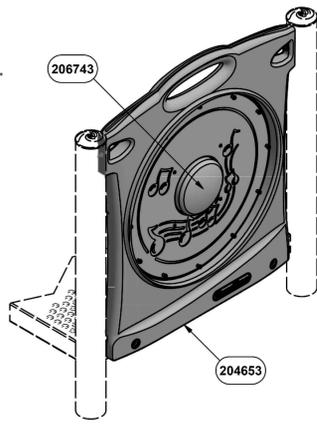
**90711
 STEEL
 DRUM**



UP TO 5'-0"

UP TO 8'-0"

- STEEL DRUM 90711
- AIR LOCK COG 90712
- FROG SLIDE PUZZLE 90713
- TWIST BALL RUN 90715
- COLOR WHEEL 90716

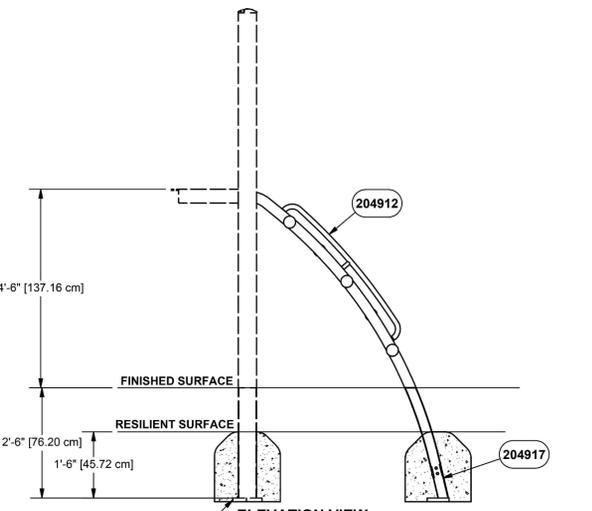


**ASSEMBLY VIEW
 90711 SHOWN**

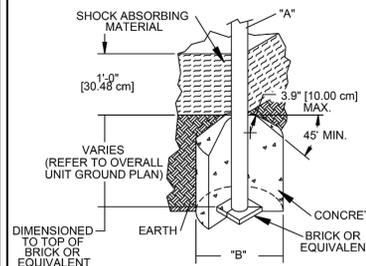
18

**INSTALLATION
 INSTRUCTIONS**

1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
3. LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.
4. DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.



**ELEVATION VIEW
 4'-6" SHOWN
 OTHERS SIMILAR**



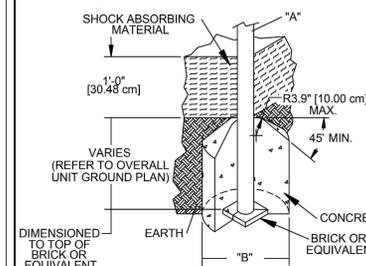
NOTES:
 -SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY -SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

SHOCK ABSORBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THAN 1'-0" (30.48cm) OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH, BEFORE APPLYING SURFACING.

FOOTING DETAIL

16

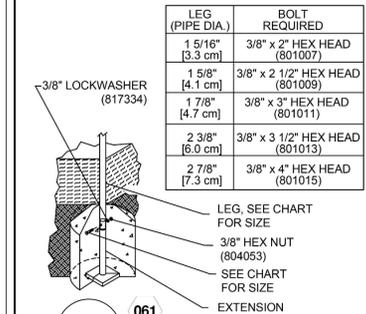
IMPORTANT
 TO REDUCE THE RISK OF CLOTHING ENTTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.
 NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.
 NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



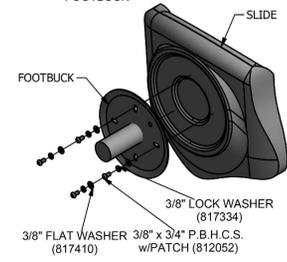
DIA "A" (PIPE SIZE)	DIA "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
5" [12.70 cm]	1'-6" [45.72 cm]
TRACK RIDE & SWINGS	
5" [12.70 cm]	2'-0" [60.96 cm]
TREE SCAPE	
5" [12.70 cm]	4'-0" [121.92 cm]

NOTES:
 -SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY -SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

SHOCK ABSORBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THAN 1'-0" (30.48cm) OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH, BEFORE APPLYING SURFACING.



SOME SLIDES WILL ONLY HAVE TWO BOLT CONNECTIONS PER FOOTBUCK



13

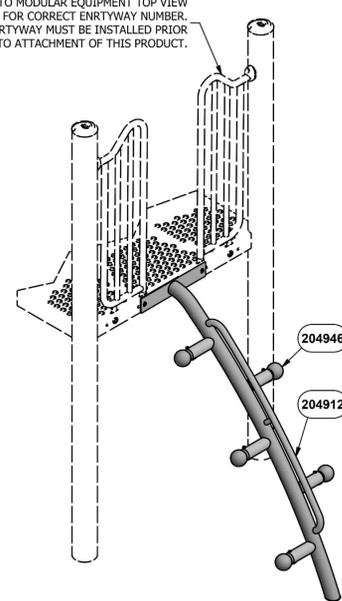
195

**90619
 ERGO
 CLIMBER**



- 4'-0" & 4'-6" 90619
- 5'-0" & 5'-6" 90620
- 6'-0" 90621

REFER TO MODULAR EQUIPMENT TOP VIEW FOR CORRECT ENTRYWAY NUMBER. ENTRYWAY MUST BE INSTALLED PRIOR TO ATTACHMENT OF THIS PRODUCT.



**ASSEMBLY VIEW
 90619 SHOWN**

14

**INSTALLATION
 INSTRUCTIONS**

1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
3. LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.
4. DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.



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**PLAYGROUND
 EQUIPMENT
 DETAILS**



DATE: June 02, 2022
 DRAWN BY: L&R & JC
 CHECKED BY: JC
 REVISIONS:

SHEET:

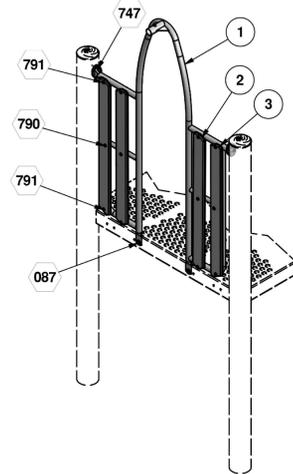
L-8

○ = INSTALLATION
 □ = DETAIL
 ○ = PARTS LIST
 ○ = REFERENCE



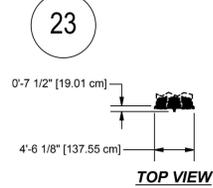
INSTALLATION INSTRUCTIONS

1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
 2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.



TIMBER PACKAGE - 207464		
REF	DESCRIPTION	PART NUMBER
2	TIMBER 50 (GRAY)	207368
3	TIMBER 51 (GRAY)	207369

ASSEMBLY DRAWING

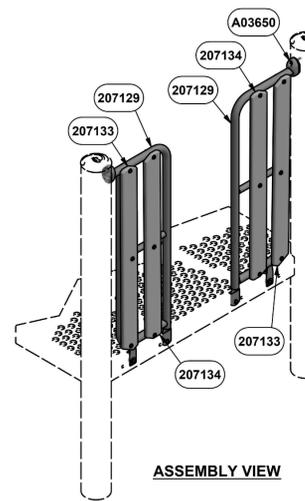


23

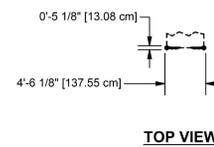


INSTALLATION INSTRUCTIONS

1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
 2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
 3. LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.
 4. DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.



ASSEMBLY VIEW



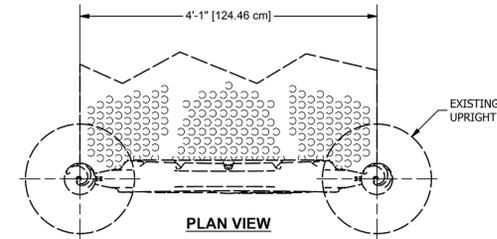
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○ = INSTALLATION
 □ = DETAIL
 ○ = PARTS LIST
 ○ = REFERENCE

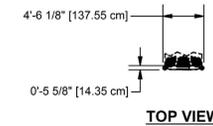


INSTALLATION INSTRUCTIONS

1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
 2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
 3. LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.
 4. DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.



PLAN VIEW



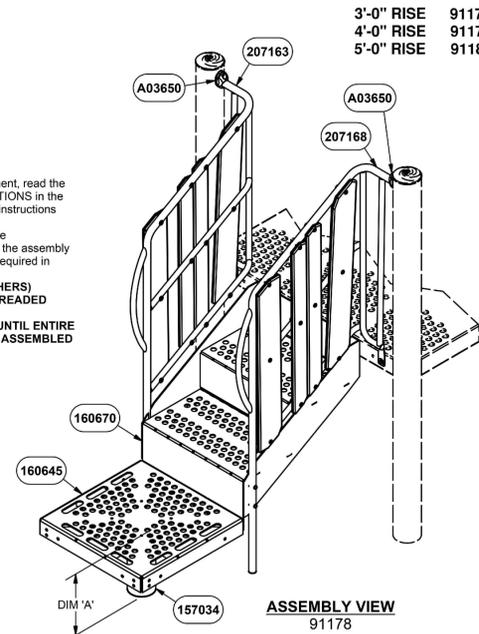
TOP VIEW

19



INSTALLATION INSTRUCTIONS

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ASSEMBLY VIEW
 91178



24

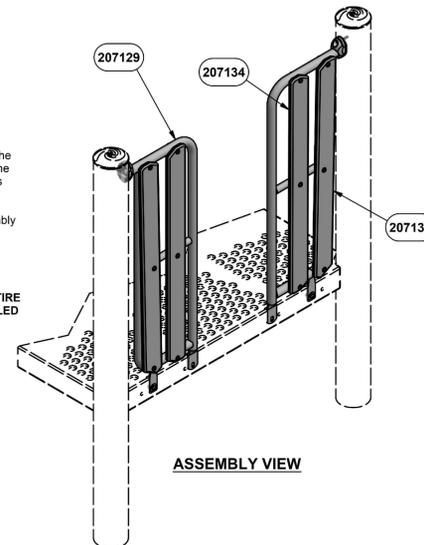
COMPONENT	DIM 'A'
91178	1'-0" [30.48 cm]
91179	1'-4" [40.64 cm]
91180	1'-0" [30.48 cm]

REFER TO
 TIMBER LOCATION VIEWS
 FOR PROPER TIMBER PLANK
 PLACEMENT

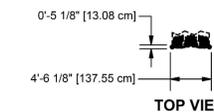


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ASSEMBLY VIEW



TOP VIEW

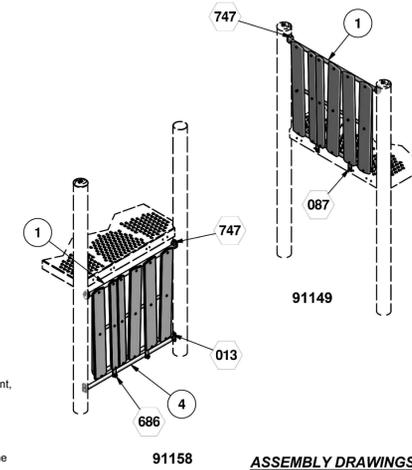
22

○ = INSTALLATION
 □ = DETAIL
 ○ = PARTS LIST
 ○ = REFERENCE

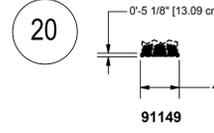


INSTALLATION INSTRUCTIONS

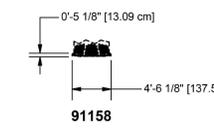
1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
 2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.



ASSEMBLY DRAWINGS



91149



91158

20

TOP VIEW



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PLAYGROUND
 EQUIPMENT
 DETAILS

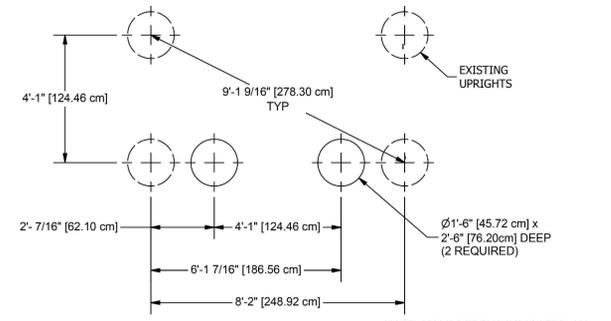


DATE: June 02, 2022
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 CHECKED BY: JC
 REVISIONS:

SHEET:

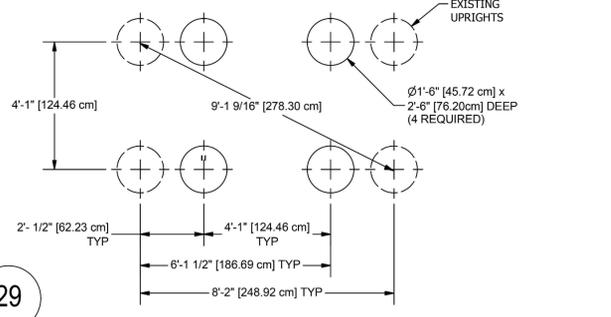
L-9

OF: 19 SHEETS



91213
 CONCRETE REQUIRED:
 20 CUBIC YARDS
 [15 CUBIC METERS]

NOTE: HOLE DEPTHS INDICATED ON ALL GROUND PLANS ARE MEASURED FROM THE FINISHED SURFACE. SEE DETAIL 032. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.



29

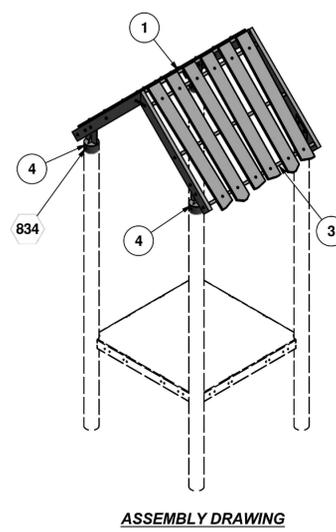
91234
 CONCRETE REQUIRED:
 40 CUBIC YARDS
 [30 CUBIC METERS]

NOTE: HOLE DEPTHS INDICATED ON ALL GROUND PLANS ARE MEASURED FROM THE FINISHED SURFACE. SEE DETAIL 032. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.

GROUND PLAN PAGE 4

PowerScope
Gametime
 A PLAYCORE Company
 1-800-235-2440
 ISSUED/REVISED: 5/28/2020

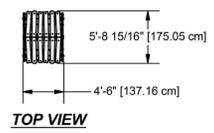
INSTALLATION
 DETAIL
 PARTS LIST
 REFERENCE



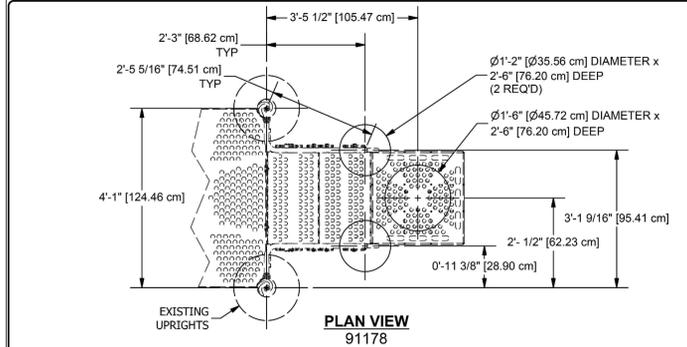
ASSEMBLY DRAWING

INSTALLATION INSTRUCTIONS
 1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
 2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.

27



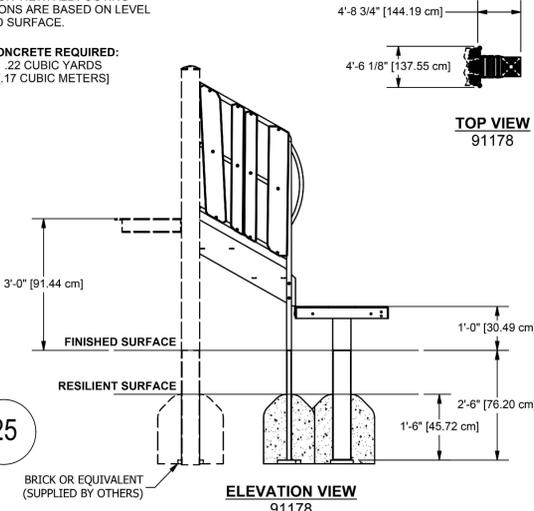
TOP VIEW



PLAN VIEW 91178

NOTE: HOLE DEPTHS INDICATED ON ALL PLAN VIEWS ARE MEASURED FROM THE FINISHED SURFACE. SEE ELEVATION VIEW. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.

CONCRETE REQUIRED:
 22 CUBIC YARDS
 [17 CUBIC METERS]



ELEVATION VIEW 91178

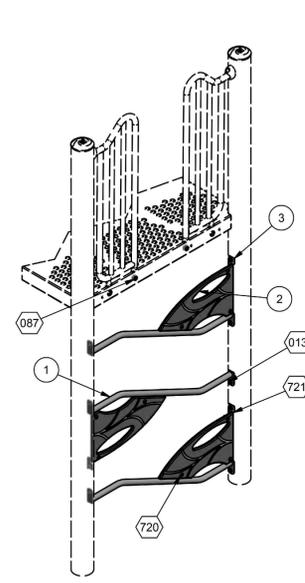
25

BRICK OR EQUIVALENT (SUPPLIED BY OTHERS)

PAGE 7

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Gametime
 A PLAYCORE Company
 1-800-235-2440
 ISSUED/REVISED: 6/16/20

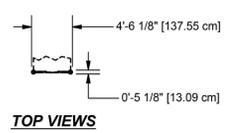
INSTALLATION
 DETAIL
 PARTS LIST
 REFERENCE



ASSEMBLY DRAWING 91244 SHOWN

30

INSTALLATION INSTRUCTIONS
 1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
 2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.

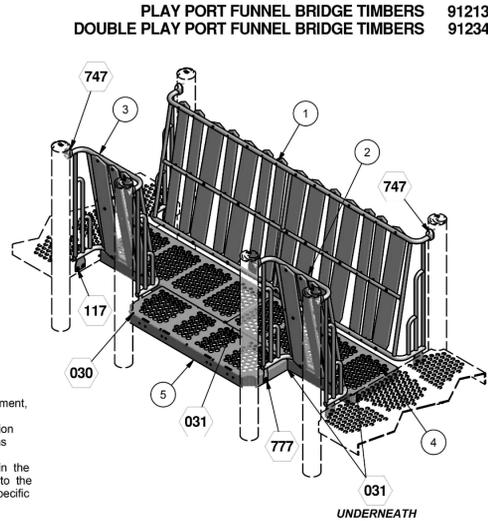


TOP VIEWS

3'-0" 91244
 3'-6" TO 5'-0" 91245
 5'-6" & 6'-0" 91246
 6'-6" TO 8'-0" 91247

PowerScope
Gametime
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 ISSUED/REVISED: 5/25/17

INSTALLATION
 DETAIL
 PARTS LIST
 REFERENCE

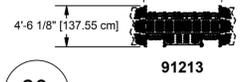


ASSEMBLY DRAWING 91213

UNDERNEATH

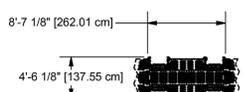
8'-7 1/8" [262.01 cm]

28



91213

TOP VIEWS



91234

PowerScope
Gametime
 A PLAYCORE Company
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 ISSUED/REVISED: 4/30/19

INSTALLATION
 DETAIL
 PARTS LIST
 REFERENCE

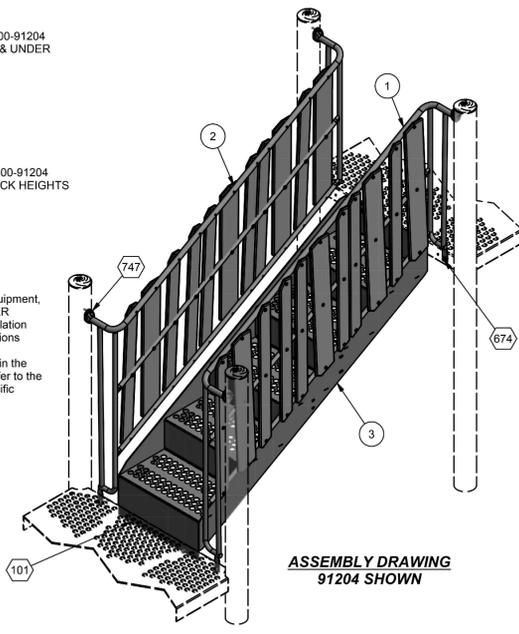


1'-0" RISE 91200
 2'-0" RISE 91201
 2'-6" RISE 91202
 3'-0" RISE 91203
 4'-0" RISE 91204

91200-91204
 5'-0" & UNDER

91200-91204
 ALL DECK HEIGHTS

INSTALLATION INSTRUCTIONS
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ASSEMBLY DRAWING 91204 SHOWN

26



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Inell Woods Park
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 Los Angeles
 California 90002

PLAYGROUND
 EQUIPMENT
 DETAILS

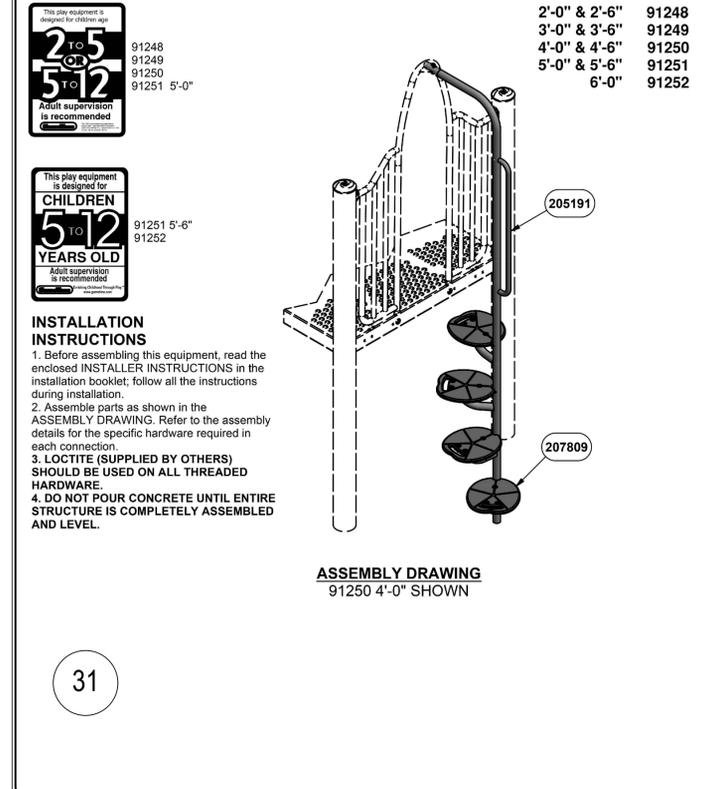
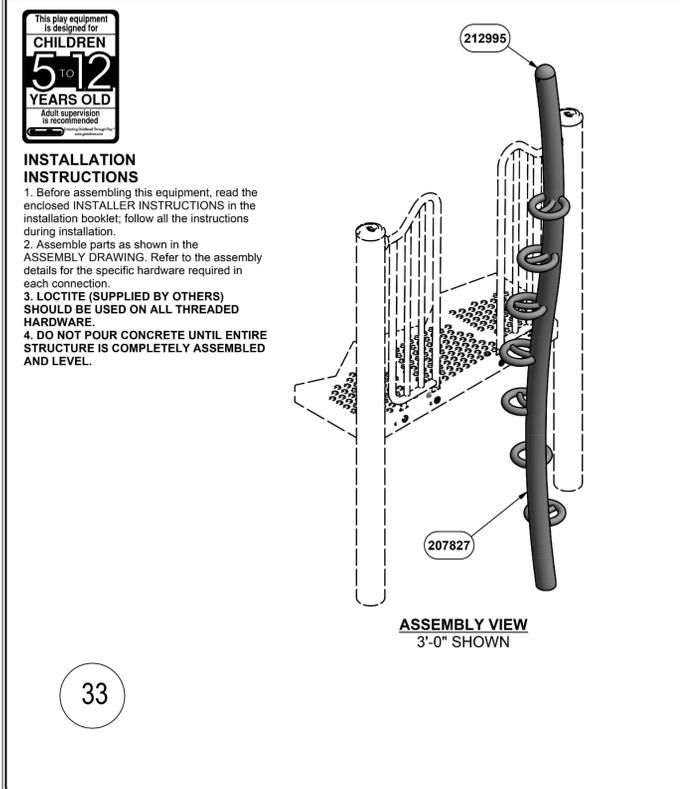
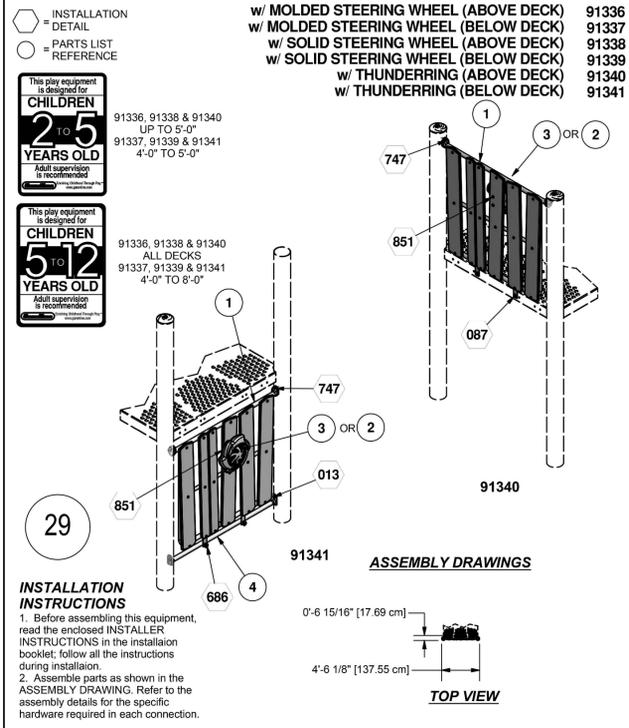


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 CHECKED BY: JC
 REVISIONS:

SHEET:

L-10

OF: 19 SHEETS



FOOTINGS ORDINATE TABLE			
HOLE	X	Y	DIAG
1	-31'-2"	-8'-2"	32'-2 1/2"
2	-29'-1 1/2"	-10'-2 1/2"	30'-10 1/2"
3	-29'-1 1/2"	-6'-1 1/2"	29'-9"
4	-29'-1 1/2"	-10'-2"	30'-10 1/2"
5	-29'-1 1/2"	-6'-1"	29'-9"
6	-27'-1"	-4'-6 1/2"	27'-5 1/2"
7	-26'-1 1/2"	0'-11"	26'-2"
8	-25'-0 1/2"	-10'-2 1/2"	27'-0 1/2"
9	-25'-0 1/2"	-6'-1 1/2"	25'-9 1/2"
10	-25'-0 1/2"	-10'-2"	27'-0 1/2"
11	-25'-0 1/2"	-6'-1"	25'-9 1/2"
12	-23'-0"	-6'-1 1/2"	23'-9 1/2"
13	-21'-8"	0'-7 1/2"	21'-8 1/2"
14	-20'-11 1/2"	-4'-2"	21'-4 1/2"
15	-18'-11"	-6'-1 1/2"	19'-10 1/2"
16	-16'-10 1/2"	-10'-2 1/2"	19'-8 1/2"
17	-16'-10 1/2"	-6'-1 1/2"	17'-11 1/2"
18	-16'-10 1/2"	-2'-0 1/2"	17'-0"
19	-16'-10 1/2"	2'-0 1/2"	17'-0"
20	-12'-9 1/2"	-10'-2 1/2"	16'-4 1/2"
21	-12'-9 1/2"	-6'-1 1/2"	14'-2"
22	-12'-9 1/2"	-2'-0 1/2"	12'-11 1/2"
23	-12'-9 1/2"	2'-0 1/2"	12'-11 1/2"
24	-8'-9"	-2'-0 1/2"	8'-11 1/2"
25	-8'-9"	2'-0 1/2"	8'-11 1/2"
26	-8'-7 1/2"	-8'-2"	11'-10 1/2"
27	-4'-8"	-2'-0 1/2"	5'-1"
28	-4'-8"	2'-0 1/2"	5'-1"
29	-4'-6 1/2"	-7'-6"	8'-9"
30	-1'-2 1/2"	-1'-1"	1'-7 1/2"
31	-1'-2 1/2"	1'-1"	1'-7 1/2"
32	0'-0"	0'-0"	0'-0"

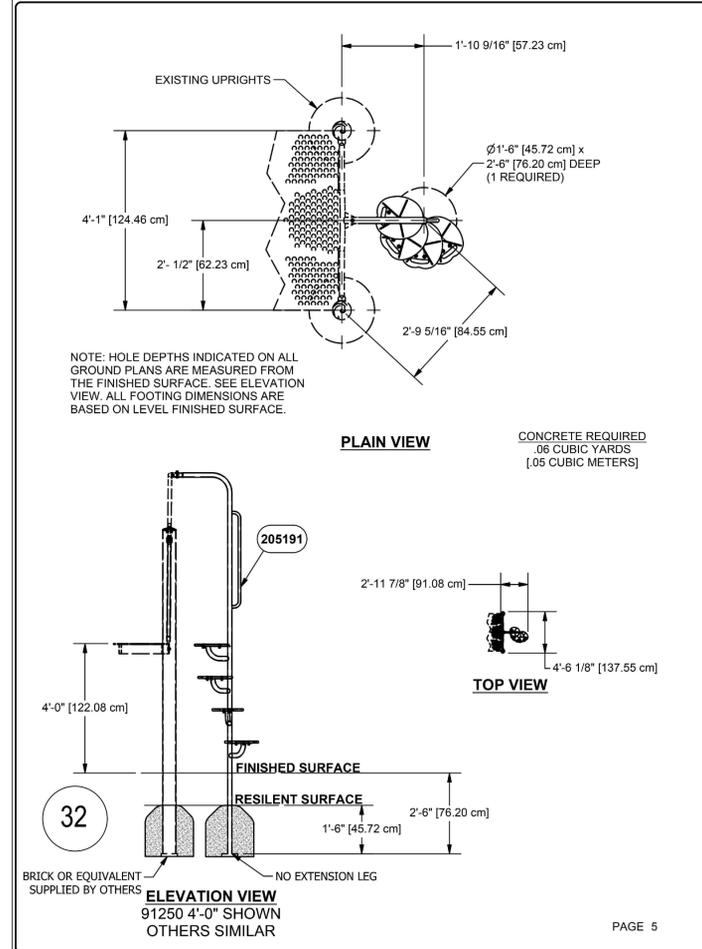
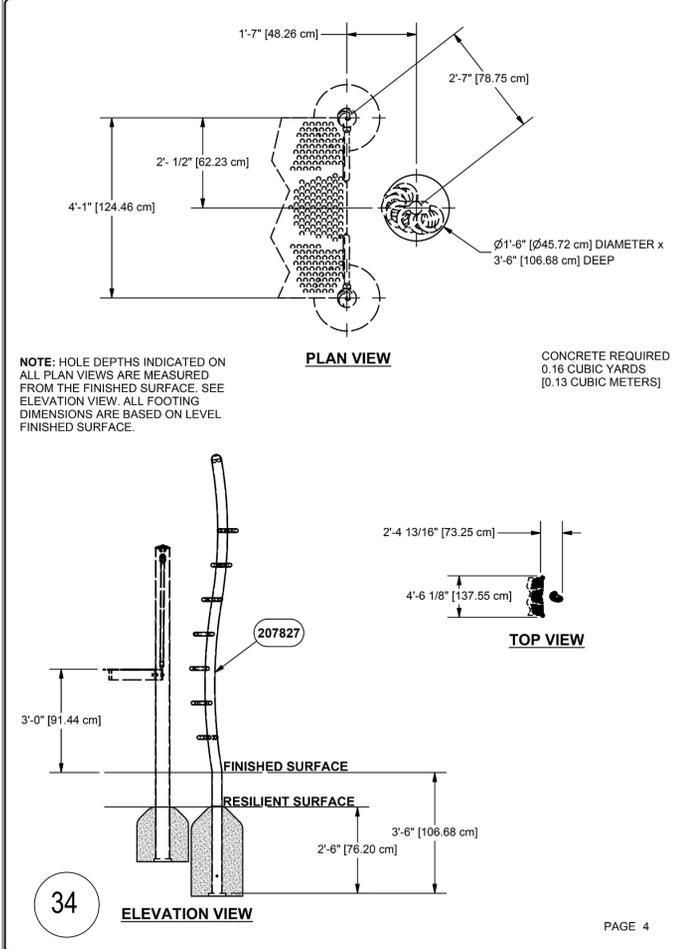
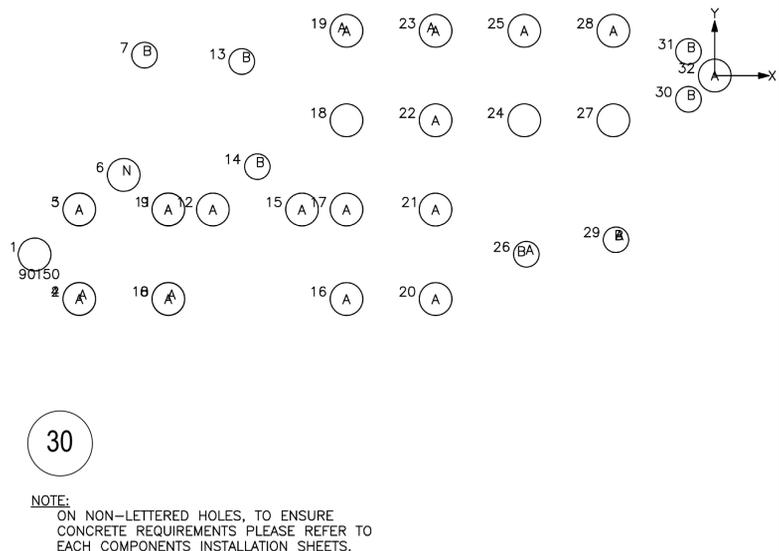
* IN GROUND 91708 EXTENSION REQUIRED

FOOTINGS TABLE			
TYPE	DIAMETER/SIDE	DEPTH*	QTY.
A	1'-6" [45.72cm]	2'-6" [76.20cm]	24
B	1'-2" [35.56cm]	2'-6" [76.20cm]	7
N	1'-6" [45.72cm]	3'-6" [106.68cm]	1

*DEPTH IS MEASURED FROM FINISHED GRADE

PLAYGROUND LAYOUT AND FOOTINGS SCHEDULE

Remove and recompact soils per the Geotechnical Report.



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PLAYGROUND EQUIPMENT DETAILS

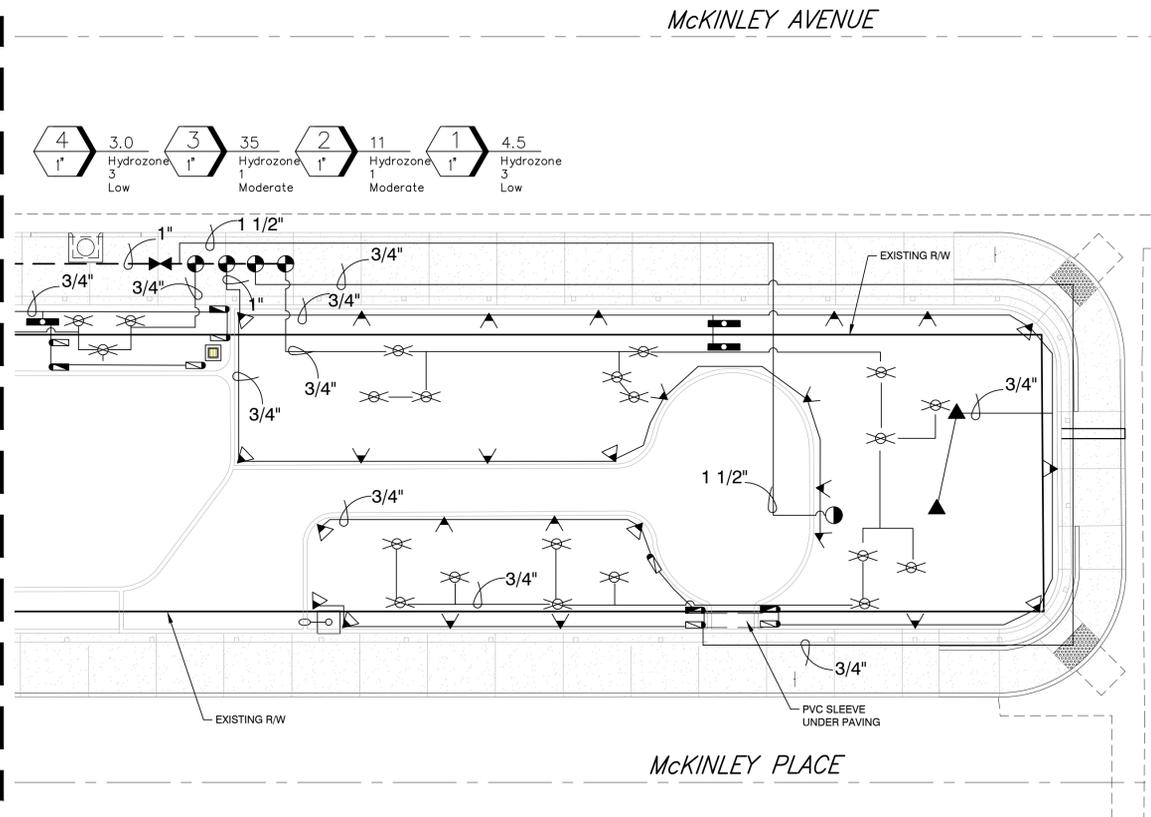


DATE: June 02, 2022
 DRAWN BY: L&R & JC
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SHEET:

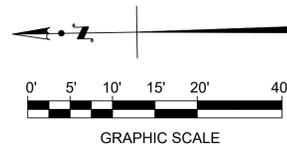
L-11

SEE B-PERMIT PLAN FOR REMAINING IMPROVEMENTS



PLAN

SCALE: 1"= 10'



IRRIGATION NOTES

1. **SCOPE OF WORK:** THE CONTRACTOR SHALL PROVIDE ALL LABOR, TOOLS, MACHINERY AND PROCESSES NECESSARY TO INSTALL A COMPLETE IRRIGATION SYSTEM AS SHOWN ON THE PLANS AND/OR SPECIFIED HEREIN. WHEN COMPLETED, THE IRRIGATION SYSTEM SHALL BE IN TOTAL FUNCTIONING ORDER.

1.1 DESIGN IS DIAGRAMMATIC. ALL PIPING, VALVES, ETC. SHOWN WITHIN PAVED AREAS ARE FOR DESIGN CLARIFICATION ONLY AND SHALL BE INSTALLED IN PLANTING AREAS WHEREVER POSSIBLE UNLESS OTHERWISE NOTED. LOCATE ALL IRRIGATION HEADS A MINIMUM OF 3" FROM EDGE OF CURBS, WALLS, FENCES, AND/OR OTHER HARDSCAPE AREAS, 12" FROM BUILDING WALLS AND 24" FROM ALL CONCRETE PAVING SURFACES.

2. GENERAL REQUIREMENTS:

A. **VERIFICATION OF DIMENSIONS:** ALL SCALED DIMENSIONS ARE APPROXIMATE. BEFORE PROCEEDING WITH ANY WORK, THE CONTRACTOR SHALL CAREFULLY CHECK AND VERIFY ALL DIMENSIONS. SPACING OF DRIP EMITTERS, LOCATION OF VALVES AND VACUUM BREAKERS AND PROPOSED POINT OF CONNECTION SHALL BE AS INDICATED ON THE DRAWINGS. ANY DEVIATION FROM THE PLANS MUST HAVE THE APPROVAL OF THE LANDSCAPE ARCHITECT.

B. **VERIFICATION OF FINISH GRADE:** THE CONTRACTOR SHALL INSPECT THE SITE AND CHECK ALL FINISH GRADES WITHIN THE WORK AREA IN ORDER TO ENSURE THE PROPER SOIL COVERAGE (AS SPECIFIED) OF IRRIGATION PIPE SYSTEMS.

C. **WATER SUPPLY:** THE CONTRACTOR SHALL VERIFY AND BE FAMILIAR WITH THE SOURCE OF WATER SUPPLY TO THE IRRIGATION SYSTEM AS INDICATED ON THE DRAWINGS. VERIFY THE STATIC PSI AND THE GPM AT THE POINT OF CONNECTION PRIOR TO COMMENCEMENT OF WORK. CONTRACTOR TO VERIFY THAT SYSTEMS SUPPLIED WITH CROSS-CONNECTION/BACKFLOW DEVICE PER L.A. COUNTY HEALTH DEPARTMENT REQUIREMENTS. REDUCED PRESSURE BACKFLOW PREVENTION SHALL BE USED.

D. **PERMITS AND FEES:** THE CONTRACTOR SHALL APPLY FOR AND PAY FOR ALL NECESSARY PERMITS AND FEES REQUIRED IN THE PURSUIT OF HIS/HER WORK AS REQUIRED BY GOVERNING CODES.

E. **GOVERNING REGULATIONS:** ALL LOCAL, MUNICIPAL AND STATE LAWS, RULES AND REGULATIONS GOVERNING OR RELATING TO ANY PORTION OF THIS WORK ARE HEREBY INCORPORATED INTO AND MADE PART OF THESE SPECIFICATIONS, AND THEIR PROVISIONS SHALL BE CARRIED OUT BY THE IRRIGATION CONTRACTOR.

F. **INSTALLATION:** ALL IRRIGATION MATERIALS SHALL BE INSTALLED IN ACCORDANCE WITH THE TECHNIQUES AND SPECIFICATIONS SET FORTH BY EACH RESPECTIVE MANUFACTURER. ALL PERTINENT DESCRIPTIVE LITERATURE ISSUED BY THE MANUFACTURER BECOMES PART OF THESE SPECIFICATIONS AFTER HAVING BEEN APPROVED BY THE LANDSCAPE ARCHITECT. IRRIGATION SYSTEM SHALL HAVE AN AUTOMATIC CONTROLLER.

PLEASE NOTE:
ALL TREES TO BE SUPPLIED WITH RAINBIRD RWS BUBBLERS IN ADDITION TO THE PERMAVOID SYSTEM

COMBINE ELECTRICAL PEDESTAL AND IRRIGATION CONTROLLER ON A SINGLE PAD

CONTRACTOR TO CONTACT LOS ANGELES DEPT. OF RECREATION & PARKS PLUMBING STAFF PRIOR TO INSTALLATION OF BACKFLOW DEVICES AND HYDRATION STATIONS

G. **COVERAGE:** CONTRACTOR SHALL PROVIDE 100% HEAD TO HEAD COVERAGE AND SHALL ADJUST ROTOR AND SIDE STRIP RADII AS NEEDED TO MINIMIZE OVERSPRAY INTO ANY/ALL PATHWAYS. PROVIDE COVERAGE TEST IN THE PRESENCE OF A RAP LANDSCAPE ARCHITECT.

H. **SITE PROBLEMS:** THE IRRIGATION CONTRACTOR SHALL NOT WILLFULLY INSTALL THE IRRIGATION SYSTEM AS INDICATED ON THE DRAWINGS WHEN IT IS OBVIOUS IN THE FIELD THAT THERE ARE UNKNOWN OBSTRUCTIONS, GRADE DIFFERENCES AND/OR DISCREPANCIES IN THE AREA DIMENSIONS UNTIL SUCH CONDITIONS ARE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT.

I. **COORDINATION:** COORDINATE ALL IRRIGATION WORK WITH RECS & PARKS STAFF FOR CORRECT PLACEMENT.

J. **WATER PRESSURE:** STATIC WATER PRESSURE VARIES FROM A HIGH OF 62 PSI TO A LOW OF 54 PSI PER INFORMATION PROVIDED BY HARBOR DISTRICT ENGINEERING AT LADWP WATER DISTRIBUTION. (213) 367-1232

IRRIGATION LEGEND

SYMBOL	NUMBER	DESCRIPTION	NOZZLE GPM	OPERATING PSI	OPERATING RADIUS (FEET)	
	RWS-M-B-C-1401	RAINBIRD ROOT-WATERING SYSTEM BUBBLER. THREE PER TREE	0.25	30	TRICKLE	DETAIL 1 & 2, SHEET L-15
	1812-PRS-15Q; -15H; -15-F	RAINBIRD 15 SERIES MPR NOZZLES RAINBIRD 1812-PRS 12" SPRAY BODY	0.92 1.85 3.70	30	15	DETAIL 8, SHEET L-14
	1812-PRS-15RCS; -15LCS 1812-PRS-15CST	RAINBIRD 15 STRIP SERIES MPR NOZZLES RAINBIRD 1812-PRS 12" SPRAY BODY	0.61 1.21	30	4 X 15 4 X 30	DETAIL 8, SHEET L-14
	PGA-PRS-D SERIES	RAINBIRD REMOTE CONTROL VALVE W/ PRESSURE REGULATOR. SEE PLAN CALLOUT FOR SIZE				DETAIL 6, SHEET L-14
	RAINBIRD 44-LRC	RAINBIRD QUICK COUPLER 1" 44KEY & HOSE SWIVEL. SECURE TO 3/4" GALV. STEEL PIPE W/ (2) STAINLESS STEEL CLAMPS				DETAIL 7, SHEET L-14
		NIBCO 1" T-113 GATE VALVE, NON-RISING STEM, SOLID WEDGE GATE VALVE				DETAIL 5, SHEET L-14
		FLOW METER & MASTER VALVE: BERMAID 1" IR-910 MODEL, NORMALLY OPEN. 24 AC INSTALL PER. MFG. CONNECT TO CONTROLLER: RAINBIRD SD210 DECODER				DETAIL 6, SHEET L-14
		FEBCO 825Y 1" REDUCED PRESSURE TYPE BACKFLOW DEVICE W/ LINE SIZE WYE STRAINER. INSTALL IN ENCLOSURE. LOCATE ON PRIVATE PROPERTY				DETAIL 2, 3, 4 SHEET L-14
		WILKINS 1" PRESSURE REGULATOR MODEL 500XL				DETAIL 2, SHEET L-14
		RAINBIRD ESP-LXD 2-WIRE CONTROLLER. LOCATE ON PRIVATE PROPERTY. USE PVC CONDUIT FOR WIRE BURIAL (NO DIRECT BURIAL). INSTALL IN METAL ENCLOSURE.				DETAIL 1, SHEET L-14
		RAINBIRD WR2-RFC RAIN SENSOR.				DETAIL 1, SHEET L-14
		EXISTING 1" WATER METER				
		IRRIGATION TRENCHING & PVC SLEEVING				DETAIL 9, SHEET L-14
		CONCRETE VALVE BOXES				DETAIL 10, SHEET L-14



MAIN LINE: 1" 1120-SCHEDULE 40 PLASTIC PIPE WITH SCHEDULE 40 PVC SOLVENT WELD FITTINGS. 18" COVER. IF LOCATED WITHIN PUBLIC R/W, MAINLINE MUST BE SCHEDULE 80 PVC PLASTIC PIPE WITH SCHEDULE 80 PVC SOLVENT WELD FITTINGS. 24" COVER.

LATERAL LINE: 1/2"-SCHEDULE 40 PVC PLASTIC PIPE WITH SCHEDULE 40 PVC SOLVENT WELD FITTINGS. 12" COVER.

SLEEVING: 1/2"-SCHEDULE 40 PVC PLASTIC PIPE AND MINIMUM 2x SIZE OF LATERAL PIPE WITHIN WHEN LOCATED IN PUBLIC R/W. 36" MINIMUM COVER UNDER VEHICULAR ACCESS AREAS. COVER TO BE AS INDICATED IN SPECIFICATIONS OR AS INDICATED ABOVE FOR PIPE DEPTH OF COVER.

Innell Woods Park Hydrozone Chart

- 3/9/2016
- 1. Hydrozone Table
- 2. Maximum Applied Water Use
- 3. Estimated Total Water Use

1. HYDROZONE CALCULATION TABLE
Eto = 49.68

HYDROZONE	WATER USE TYPE	IRRIGATION METHOD	EFFICIENCY (IE)	PLANT FACTOR (PF)	TOTAL AREA (HA) (SQ. FT)	PF X HA	ETWU	PERCENTAGE OF LANDSCAPE
1-TURF	MOD	EPIC + BUBBLER	0.9	0.6	3161	1897	64909	42%
2-CITRUS	MOD	EPIC + BUBBLER	0.9	0.4	410	164	18241	5%
3-LANDSCAPE	LOW	EPIC + BUBBLER	0.9	0.2	4060	812	27790	53%
					7631		110941	100%

2. MAXIMUM APPLIED WATER ALLOWANCE (MAWA) :: Gallons per Year

MAWA = [Eto][0.62][LA*0.7] + [0.3 * SLA]
 Eto = Reference Evapotranspiration (inches per year)
 0.62 = Conversion Factor (to gallons)
 LA = Landscape Area including SLA (sq. ft)
 0.7 = ET Adjustment Factor
 0.3 = Additional Water Allowance for SLA
 SLA = Special Landscape Area (sq. ft)
MAWA = (49.68)(0.62)[(7631*0.7) + (0.3 * 410)] = 168,322

3. ESTIMATED TOTAL WATER USE (ETWU) :: Gallons per Year

ETWU = [Eto][0.62][PF*HA/IE + SLA]
 Eto = Reference Evapotranspiration (inches per year)
 0.62 = Conversion Factor (to gallons)
 PF = Plant Factor for hydrozones
 HA = Hydrozone Area (sq. ft)
 IE = Irrigation Efficiency (0.90 bubbler)
ETWU = (49.68)(0.62)[(0.375 * 7631 / 0.9 + 410)] = 110,565



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Fax: 323.441.8618
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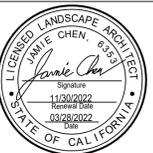


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IRRIGATION PLAN

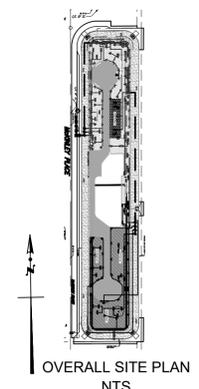


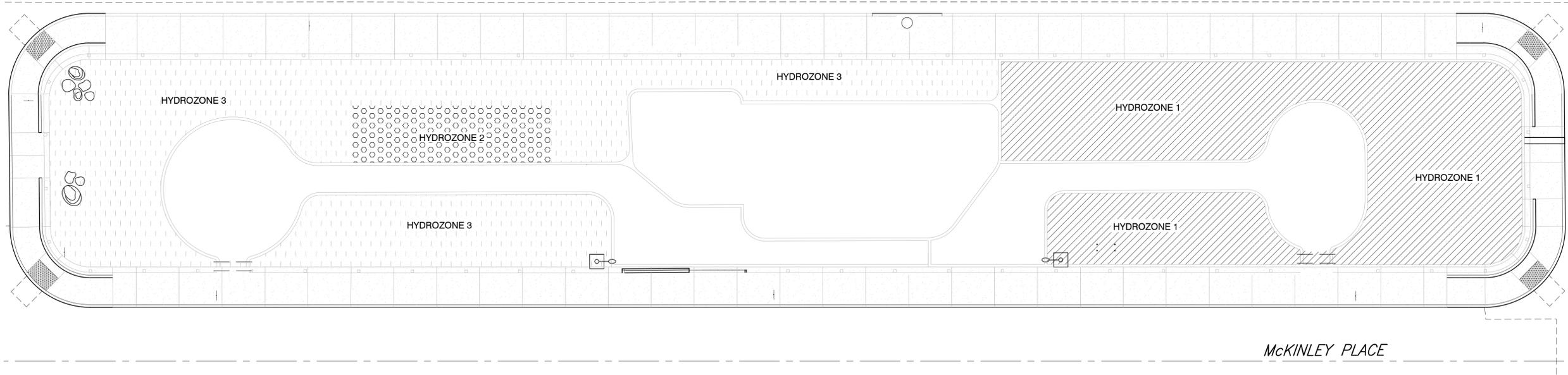
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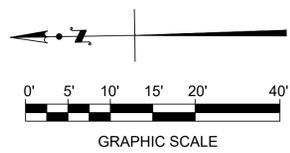
OF: 19 SHEETS





PLAN

SCALE: 1"= 10'



Inell Woods Park Hydrozone Chart

- 3/9/2016
- 1. Hydrozone Table
- 2. Maximum Applied Water Use
- 3. Estimated Total Water Use

1. HYDROZONE CALCULATION TABLE

Eto = 49.68

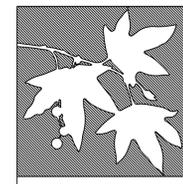
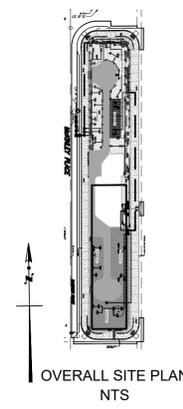
HYDROZONE	WATER USE TYPE	IRRIGATION METHOD	EFFICIENCY (IE)	PLANT FACTOR (PF)	TOTAL AREA (HA) (SQ. FT)	PF X HA	ETWU	PERCENTAGE OF LANDSCAPE
1 - TURF	MOD	EPIC + BUBBLER	0.9	0.6	3161	1897	64909	42%
2 - CITRUS	MOD	EPIC + BUBBLER	0.9	0.4	410	164	18241	5%
3 - LANDSCAPE	LOW	EPIC + BUBBLER	0.9	0.2	4060	812	27790	53%
					7631		110941	100%

2. MAXIMUM APPLIED WATER ALLOWANCE (MAWA) :: Gallons per Year

MAWA = (Eto)[0.62]([LA*0.7] + [0.3 * SLA])
 Eto = Reference Evapotranspiration (inches per year)
 0.62 = Conversion Factor (to gallons)
 LA = Landscape Area including SLA (sq. ft)
 0.7 = ET Adjustment Factor
 0.3 = Additional Water Allowance for SLA
 SLA = Special Landscape Area (sq. ft)
MAWA = (49.68)(0.62)([7631*0.7] + [0.3 * 410]) = 168,322

3. ESTIMATED TOTAL WATER USE (ETWU) :: Gallons per Year

ETWU = (Eto)[0.62](PF*HA/IE + SLA)
 Eto = Reference Evapotranspiration (inches per year)
 0.62 = Conversion Factor (to gallons)
 PF = Plant Factor for hydrozones
 HA = Hydrozone Area (sq. ft)
 IE = Irrigation Efficiency (0.90 bubbler)
ETWU = (49.68)(0.62)(0.375 * 7631/0.9 + 410) = 110,565



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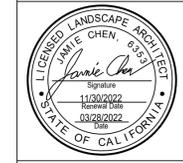


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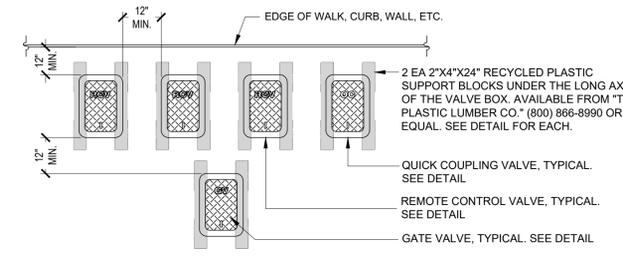
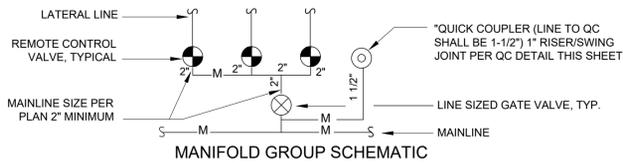
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HYDROZONE PLAN



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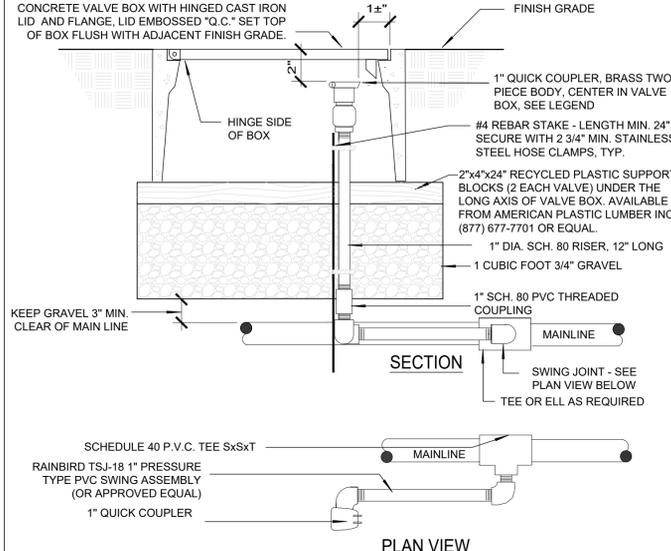
SHEET:
L-13
 OF: 19 SHEETS



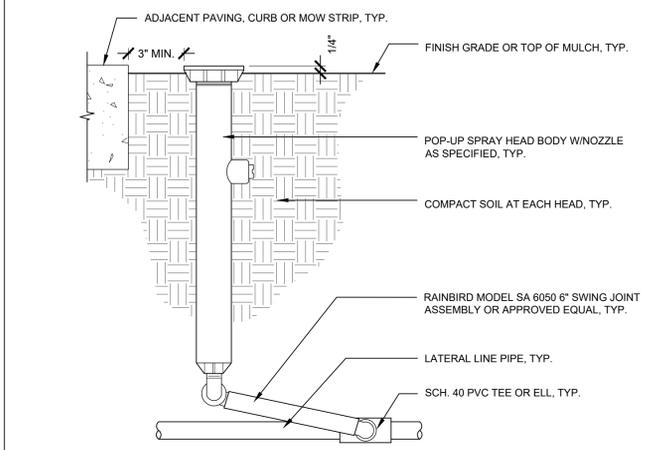
NOTES:

1. ALL VALVES SHALL BE RUN OFF A MANIFOLD GROUP SIMILAR TO THAT SHOWN IN ABOVE SCHEMATIC.
2. ALL BOXES SHALL BE SQUARE TO ONE ANOTHER AND TO THE EDGES OF ADJACENT FIXED OBJECTS.
3. ALL VALVE BOXES SHALL BE SET FLUSH TO FINISH GRADE.

10 VALVE BOX PLACEMENT
N.T.S. RP DETAIL 1410



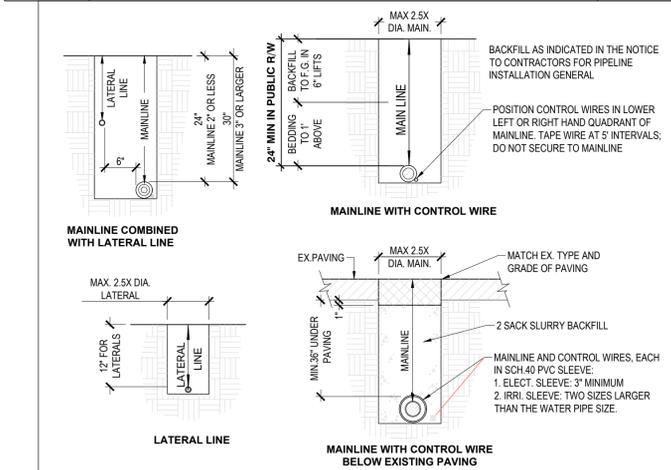
7 QUICK COUPLER INSTALLATION (2" MAINLINE OR SMALLER)
N.T.S. RP DETAIL 120



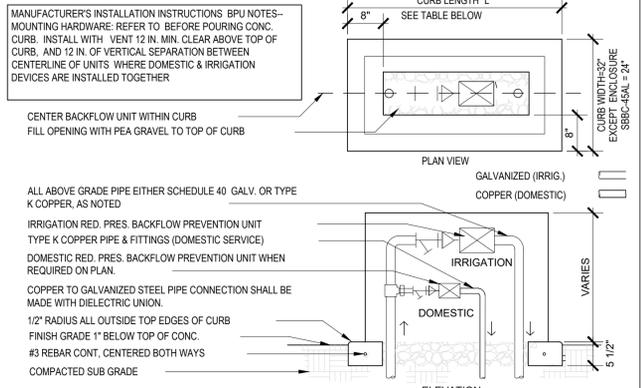
NOTES:

1. PLACE ALL HEADS 1/4" ABOVE FINISH GRADE AT INITIAL INSTALLATION. SET HEADS 3" AWAY FROM WALKS, CURBS, OR MOW STRIPS.
2. INSTALL ALL HEADS PERPENDICULAR TO FINISH GRADE.
3. THOROUGHLY FLUSH ALL LATERAL LINE PIPES TO REMOVE DIRT AND DEBRIS BEFORE INSTALLATION OF NOZZLES.
4. ADJUST ALL HEADS TO PROPER ARC AND RADIUS AS NECESSARY TO ACHIEVE PROPER COVERAGE AND UNIFORMITY. IF PROPER COVERAGE AND UNIFORMITY IS NOT ACHIEVED WITH THE SPECIFIED NOZZLE, CONTRACTOR SHALL CHANGE NOZZLE AS NEEDED UNTIL DESIRED PERFORMANCE IS ACHIEVED.

8 POP-UP SPRAY HEAD INSTALLATION
N.T.S. RP DETAIL 162



9 IRRIGATION TRENCHING DETAIL
N.T.S. RP DETAIL 135

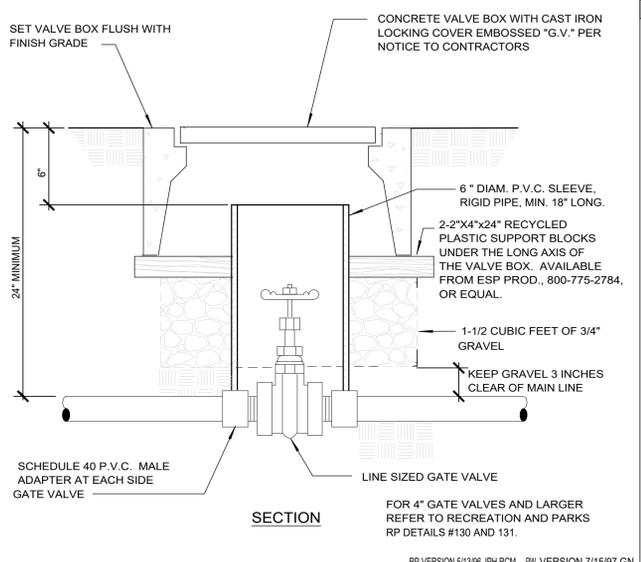


BACKFLOW SIZE AND ENCLOSURE MODEL & CURB SIZE TABLE

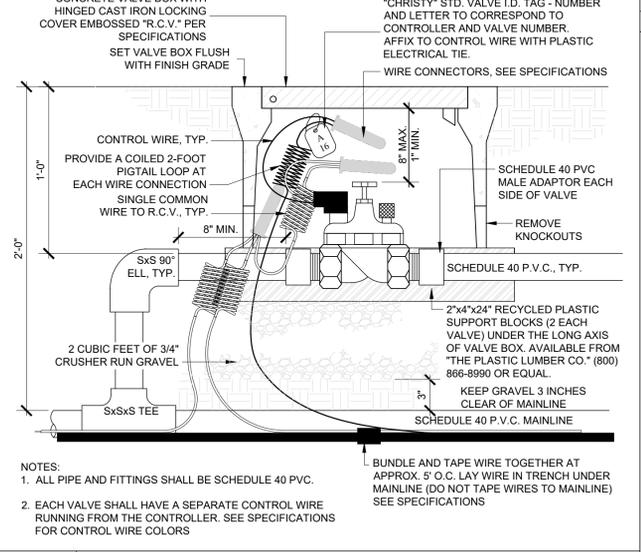
SIZE:	RAINMAN RM55 (714) 776-5420, or LE MEUR 8FSS (877)453-6387	ENCLOS. DIA. (width x length)	LENGTH "L"	STRONG BOX INC. (800)729-1314	ENCLOS. DIM. (width x length)	LENGTH "L"
1 INCH	42" SINGLE	24"x42"	50 INCHES	SBBG-45AL	16"x45"	53 INCHES
2 INCH	60" DOUBLE	24"x60"	68 INCHES	SBBG-60ALHP	24"x60"	68 INCHES
3 INCH	84" DOUBLE	24"x84"	92 INCHES	SBBG-90ALHP	24"x90"	98 INCHES

NOTE: FOR SIZES 4 IN. AND LARGER, USE BACKFLOW CAGE, RP DETAIL 102

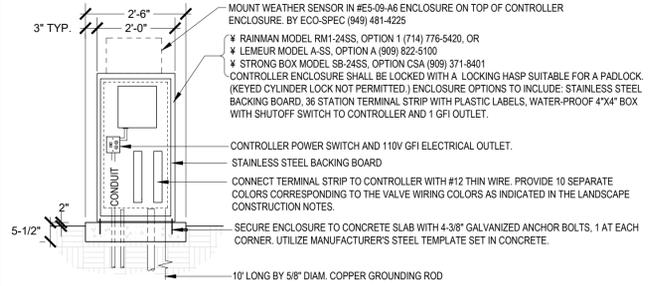
4 BACKFLOW DEVICE ENCLOSURE
N.T.S. RP DETAIL 101



5 GATE VALVE INSTALLATION, 3/4" TO 3"
N.T.S. RP DETAIL 110



6 RCV INSTALLATION
N.T.S. RP DETAIL 140

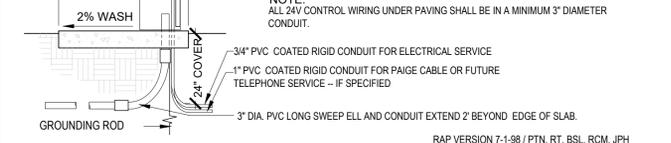


WIRE AND CONDUIT SIZING FROM CONTROLLER TO ELECTRICAL PANEL

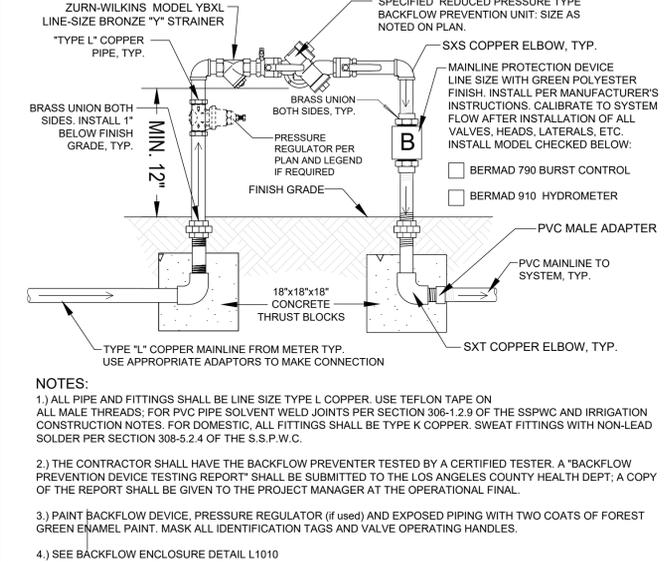
CIRCUIT VOLTAGE	LENGTH OF RUN	CONDUIT & WIRE SIZE	EQUIPMENT GROUND WIRE SIZE
120 V	600' MAX.	3/4" - 2#12 & #12 THWN CU	
	BET. 601' & 885'	3/4" - 2#10 & #12 THWN CU	

WIRE AND CONDUIT REQUIREMENTS BASED ON TOTAL LOAD OF 235 WATTS

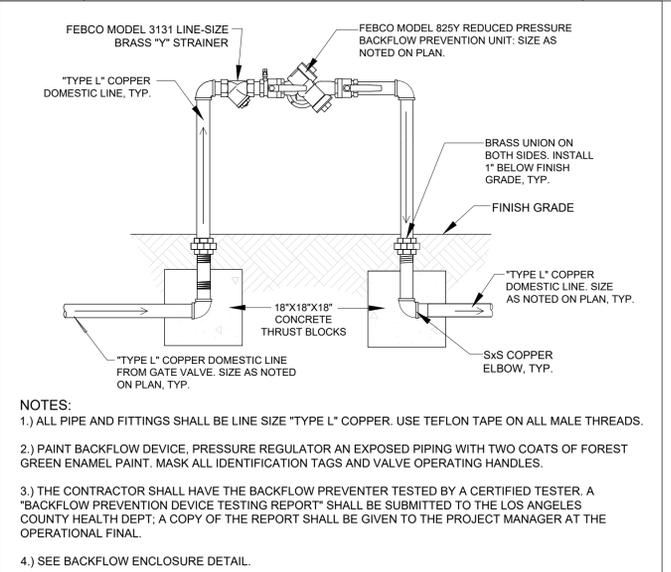
NOTE: ALL 24V CONTROL WIRING UNDER PAVING SHALL BE IN A MINIMUM 3" DIAMETER CONDUIT.



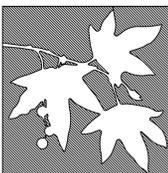
1 CONTROLLER AND ENCLOSURE
N.T.S. BOE VERSION JAN/07 RP DETAIL 1470



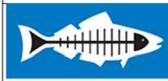
2 BACKFLOW PREVENTION UNIT, 3/4" TO 2" SIZE
N.T.S. BOE VERSION June/09 - RF, SD RP DETAIL L1000



3 DOMESTIC LINE BACKFLOW PREVENTION UNIT
N.T.S. RP DETAIL 100



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IRRIGATION DETAILS

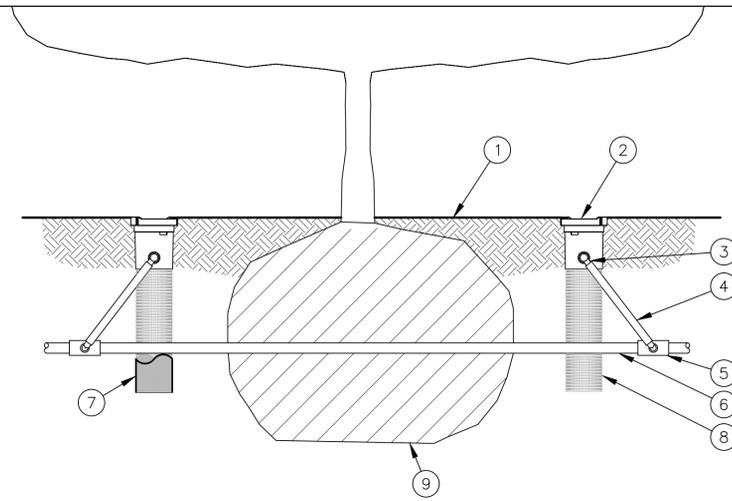


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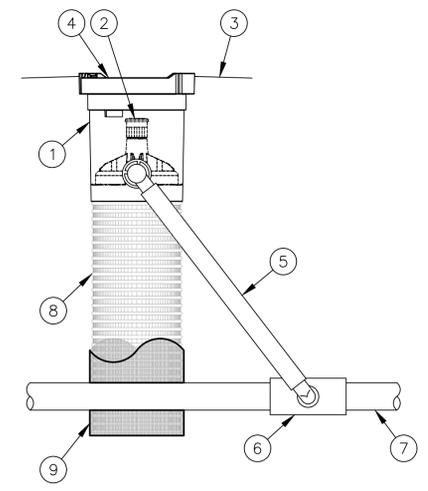
- ① FINISH GRADE NOT INCLUDING TOP OF MULCH
- ② ROOT WATERING SYSTEM: RAIN BIRD RWS-M
- ③ 1/2" SPIRAL BARB FITTING (INCLUDED)
- ④ 1/2" SWING ASSEMBLY: RAIN BIRD SA-125050
OR
1/2" SWING PIPE: RAIN BIRD SP SERIES WITH 1/2" MALE NPT x 0.490" BARB ELBOW: RAIN BIRD SBE-050
- ⑤ PVC SCH 40 TEE OR EL
- ⑥ PVC OR POLYETHYLENE LATERAL PIPE
- ⑦ OPTIONAL SOCK (RWS-SOCK) FOR SANDY SOILS
- ⑧ 4" WIDE X 18" LONG RIGID BASKET WEAVE CANISTER (INCLUDED)
- ⑨ PLANT ROOT BALL

NOTES:

1. POSITION 2-3 UNITS (OR MORE) EVENLY SPACED AROUND PLANT. FOR NEW TREES PLACE NEAR ROOT BALL. FOR EXISTING TREES PLACE HALF THE DISTANCE BETWEEN CANOPY EDGE AND TREE TRUNK.
2. INSTALL PRODUCT WITH TOP EVEN WITH FINISH GRADE OR THE TOP OF MULCH
3. INSTALL THE FOLLOWING RWS-M SERIES MODEL:
RWS-M-B-C-1401: 0.25 GPM, CHECK VALVE
4. WHEN INSTALLING IN EXTREMELY HARD OR CLAY SOILS, ADD 3/4" (1.9 CM) GRAVEL UNDER AND AROUND THE UNIT TO ALLOW FASTER WATER INFILTRATION AND ROOT PENETRATION.
5. ONCE RWS-M HAS BEEN INSTALLED FILL THE BASKET WITH PEA GRAVEL BEFORE LOCKING LID.
6. OPTIONAL RWS-SOCK FOR USE IN SANDY SOILS.

1 ROOT WATERING SYSTEM *RWS-M* 07-19-2013
N.T.S. INSTALLATION FOR TREES

NET Detail Sheets_2022 LADBS PERMIT



- ① RAIN BIRD RWS-M-B-C-1401 (INCLUDES RETAINER, 18" TUBE, 0.25 GPM BUBBLER & INTEGRATED CHECK VALVE, 4" GRATE, 1/2" M NPT INLET SPIRAL BARB ELBOW)
- ② BUBBLER: RAIN BIRD 1401 0.25 GPM (INCLUDED)
- ③ FINISH GRADE, NOT INCLUDING TOP OF MULCH
- ④ 4" LOCKING GRATE (INCLUDED)
- ⑤ 1/2" SWING ASSEMBLY: RAIN BIRD SA-125050
OR
1/2" SWING PIPE: RAIN BIRD SP SERIES WITH 1/2" MALE NPT x 0.490" BARB ELBOW: RAIN BIRD SBE-050
- ⑥ PVC SCH 40 TEE OR EL
- ⑦ PVC OR POLYETHYLENE LATERAL PIPE
- ⑧ 4" WIDE X 18" LONG RIGID BASKET WEAVE CANISTER (INCLUDED)
- ⑨ OPTIONAL SOCK (RWS-SOCK) FOR SANDY SOILS

NOTES:

1. 4" GRATE IS ALSO AVAILABLE IN PURPLE (RWS-GRATE-P).
2. INSTALL PRODUCT SO THAT THE GRATE IS EVEN WITH FINISH GRADE OR TOP OF MULCH.
3. OPTIONAL SAND SOCK (RWS-SOCK) IS 34" IN LENGTH. CUT TO LENGTH NEEDED TO COVER MESH BASKET AREA.
4. WHEN INSTALLING IN EXTREMELY HARD OR CLAY SOILS, ADD 3/4" GRAVEL UNDER AND AROUND THE UNIT TO ALLOW FASTER WATER INFILTRATION AND ROOT PENETRATION.
5. ONCE RWS-M HAS BEEN INSTALLED FILL THE BASKET WITH PEA GRAVEL BEFORE LOCKING LID.

2 ROOT WATERING SYSTEM 07-19-2013
N.T.S. RWS-M-B-C-1401

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**IRRIGATION
DETAILS**



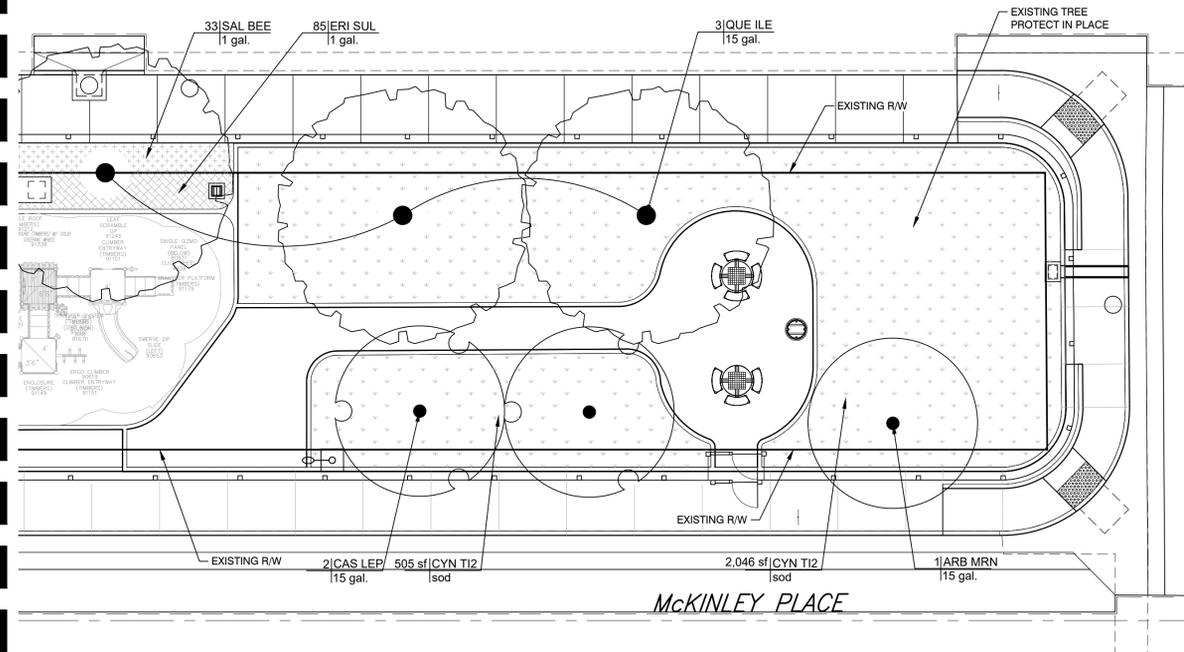
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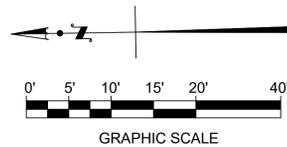
OF: 19 SHEETS

SEE B-PERMIT PLANS FOR REMAINING IMPROVEMENTS



PLAN

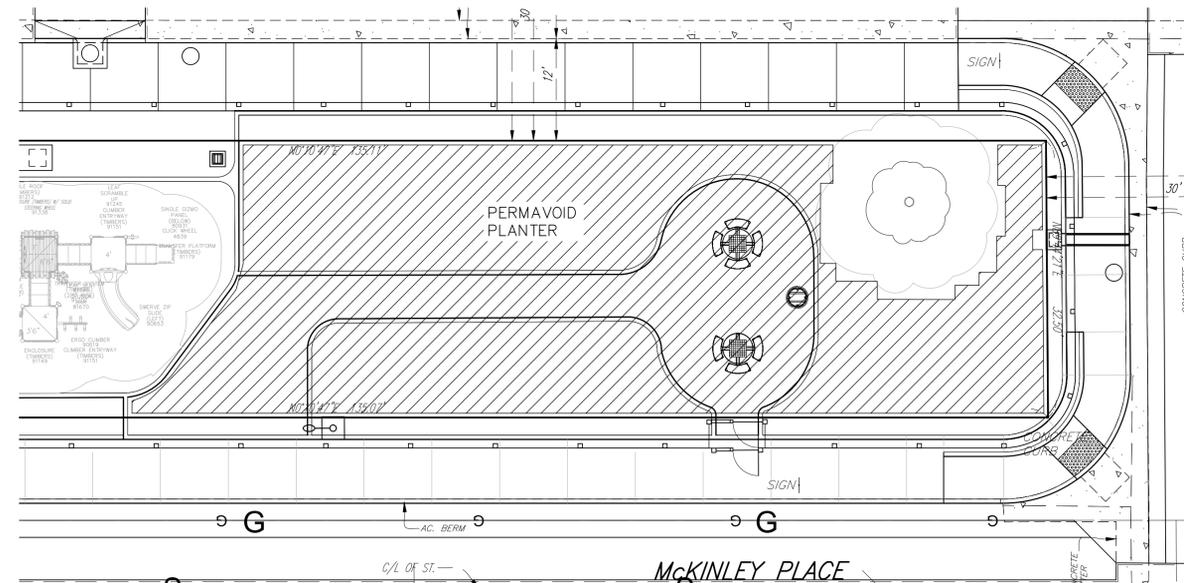
SCALE: 1" = 10'



PLANTING NOTES

1. DRAWINGS ARE DIAGRAMMATIC. CONTRACTOR TO VERIFY ALL LOCATIONS AND CONDITIONS ON SITE. COUNT ALL PLANT MATERIAL.
2. CONTRACTOR TO INSPECT ALL EXISTING CONDITIONS ON SITE AND LOCATE ALL EXISTING UTILITIES BEFORE CONSTRUCTION BEGINS.
3. CONTRACTOR TO REPAIR AT HIS OWN EXPENSE ALL PROPERTY DAMAGE WHICH OCCURS DURING PROJECT INSTALLATION.
4. ALL TREES AND SHRUBS SHALL BE HEALTHY AND VIGOROUS AS TYPICAL FOR THE SPECIES/CULTIVAR. CONTRACTOR TO NOTE ANY ADDITIONAL REMARKS ON PLANT LEGEND RE: SPECIFIC PLANTS.
5. CONTRACTOR TO GUARANTEE PLANTS FOR A PERIOD OF 90 DAYS FROM DATE OF ACCEPTANCE BY GOVERNING AGENCY.
6. FINISH GRADE TO BE 1/2" BELOW ALL WALKS, CURBS, AND PAVING.
7. PLANTING HOLE TO BE TWICE AS WIDE AS THE ROOTBALL. BACKFILL AND COMPACT TO 80% WITH NATIVE SOIL.
8. CONTRACTOR TO PROVIDE PHOTOS OF SELECTED TREES PRIOR TO INSTALLATION AND OBTAIN APPROVAL FROM LOS ANGELES DEPT. RECREATION & PARKS LANDSCAPE ARCHITECT.

PERMAVOID LAYOUT PLAN



PLANT SCHEDULE

TREES	CODE	BOTANICAL / COMMON NAME	SIZE	QTY
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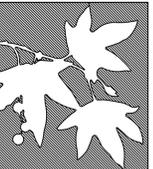
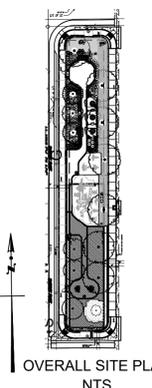
	ARB MRN	Arbutus x 'Marina' / Marina Strawberry Tree Standard For all trees: Refer to Planting Detail 1, Sheet 16 for planting in R/W WUCOLS Low Water Use	15 gal.	1
	CAS LEP	Cassia leptophylla / Gold Medallion Tree WUCOLS Moderate Water Use	15 gal.	2
	CIT EU2	Citrus x limon 'Eureka' / Eureka Lemon WUCOLS Moderate Water Use	15 gal.	3
	HET ARB	Heteromeles arbutifolia / Toyon WUCOLS Very Low Water Use	15 gal.	2
	QUE ILE	Quercus ilex / Holly Oak WUCOLS Low Water Use	15 gal.	7
	SAM MEX	Sambucus mexicana / Mexican Elderberry WUCOLS Low Water Use	15 gal.	1

SHRUBS	CODE	BOTANICAL / COMMON NAME	SIZE	QTY
--------	------	-------------------------	------	-----

	DIP AUR	Diplacus aurantiacus / Sticky Monkeyflower For all shrubs: Refer to Planting Detail 2, Sheet 16 for planting in R/W Plant min 18" o.c. from pavements WUCOLS Very Low Water Use	1 gal.	34
	ERI WAY	Erigeron glaucus 'WR' / Wayne Roderick Seaside Daisy WUCOLS Low Water Use	1 gal.	37
	ERI FAS	Eriogonum fasciculatum / California Buckwheat Plant min 18" o.c. from pavements WUCOLS Very Low Water Use	1 gal.	39
	ERI CON	Eriophyllum confertiflorum / Golden Yarrow WUCOLS Very Low Water Use	1 gal.	65
	MUH RIG	Muhlenbergia rigens / Deer Grass Plant min 18" o.c. from pavements WUCOLS Low Water Use	1 gal.	26
	PEN MAR	Penstemon heterophyllus 'Margarita BOP' / Margarita BOP Penstemon WUCOLS Low Water Use	1 gal.	42
	SAL WIN	Salvia clevelandii 'Winifred Gillman' / Winifred Gillman Cleveland Sage WUCOLS Very Low Water Use	1 gal.	18
	SIS BEL	Sisyrinchium bellum / Blue-eyed Grass WUCOLS Low Water Use	1 gal.	43

GROUND COVERS	CODE	BOTANICAL / COMMON NAME	SIZE	SPACING	QTY
---------------	------	-------------------------	------	---------	-----

	BAC SAA	Baccharis pilularis 'Santa Ana' / Santa Ana Coyote Brush WUCOLS Very Low Water Use	1 gal.	60" o.c.	16
	CYN TI2	Cynodon x 'Tifton 328' / Tifgreen Bermudagrass WUCOLS Moderate Water Use	sod		2,551 sf
	ERI SUL	Eriogonum umbellatum / Sulfurflower Buckwheat Substitute Arctostaphylos 'Pacific Mist' if not available. Plant 1 GAL containers at 48" o.c. WUCOLS Low Water Use	1 gal.	18" o.c.	332
	SAL BEE	Salvia x 'Bee's Bliss' / Bee's Bliss Sage WUCOLS Low Water Use	1 gal.	30" o.c.	94



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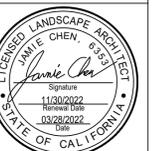
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PLANTING PLAN



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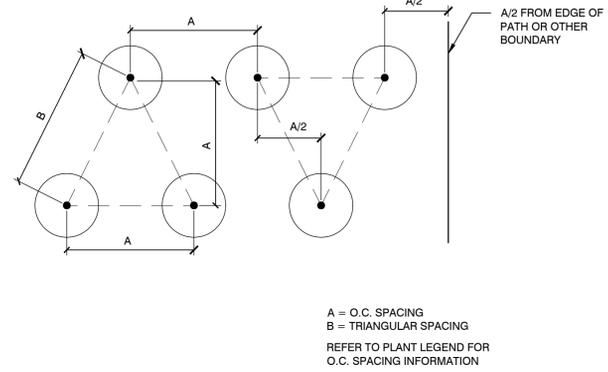
Producers and Installers of
Premium Peat Grown Sod
Grown on Biodegradable Netting

Native Bentgrass™

The industry's 1st choice for native lawn areas. Native Bentgrass™ delivers excellent durability, exceptional recovery and a dark green turf mat.

- *Agrostis pallens*

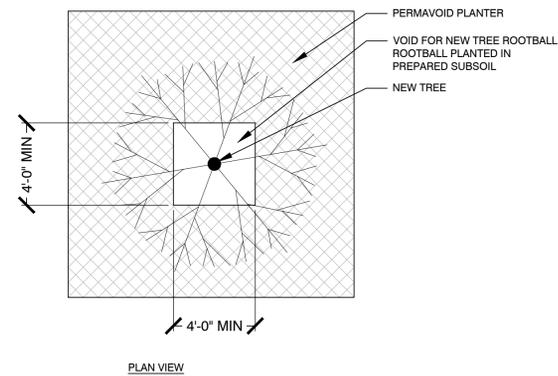
- Medium leaf texture
- Thrives in full sun and partial shade
- Withstands low mowing heights
- Strong sod mat provides effective weed barrier
- Extremely drought tolerant
- Uniform growth habit
- Excellent wear recovery due to self repairing rhizomes



3 GROUND COVER SPACING

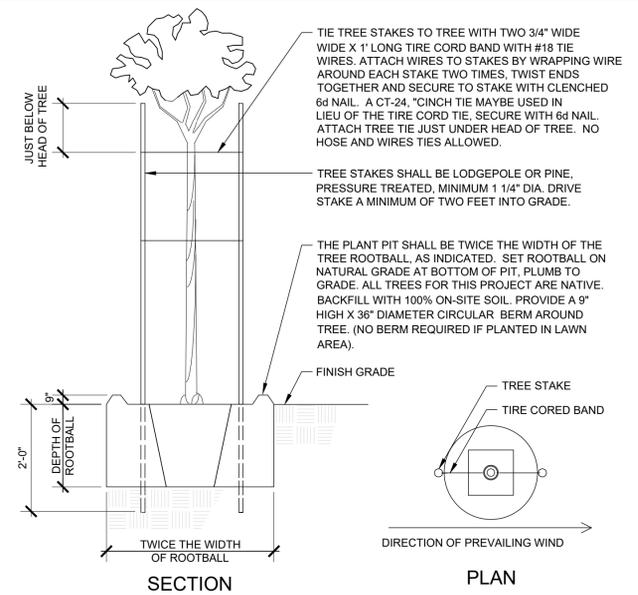
SCALE: 1" = 1'-0"

012 -



4 PERMAVOID TREE PROTECTION

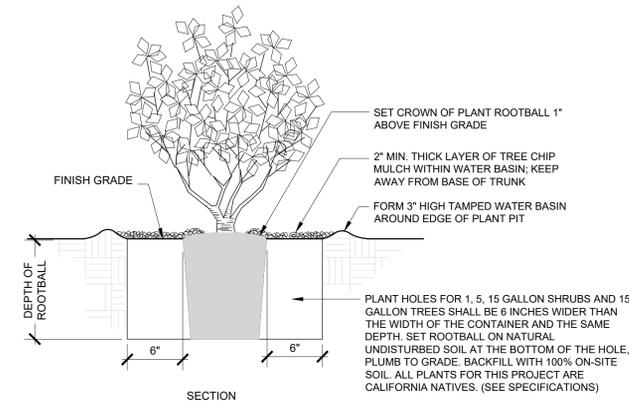
NOT TO SCALE



1 TREE PLANTING & 2 STAKING

N.T.S.

DETAIL 244



2 SHRUB PLANTING DETAIL

N.T.S.

RP DETAIL 203



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GENERAL NOTES:

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE GRADING ORDINANCE AND REGULATIONS OF THE CALIFORNIA BUILDING CODE, LATEST EDITION AND THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION.
- AN APPROVED SET OF PLANS SHALL BE ON THE JOB AT ALL TIMES.
- NO WORK SHALL BE STARTED WITHOUT FIRST NOTIFYING THE DEPARTMENT OF BUILDING & SAFETY.
- PRIOR TO COMMENCING ANY SITE CLEARANCE OR GRADING, THE CONTRACTOR SHALL OBTAIN A FIRE HYDRANT WATER METER FROM THE CITY OF LOS ANGELES AND THE METER SHALL BE USED AT ALL TIMES WHEN WATER IS BEING OBTAINED FROM A CITY OF LOS ANGELES FIRE HYDRANT.
- EXISTING CITY STREETS SHALL BE KEPT CLEAN OF ALL MATERIALS RESULTING FROM THE GRADING OPERATIONS. THE STREET RIGHT OF WAY SHALL BE CLEANED UP DAILY, AS NECESSARY, TO MAINTAIN SAFE PEDESTRIAN AND VEHICULAR PASSAGE AT ALL TIMES.
- THE PERMITEE OR HIS AGENT SHALL NOTIFY THE DEPARTMENT OF BUILDING & SAFETY AT LEAST 24 HOURS BEFORE THE GRADING OPERATION IS READY FOR EACH OF THE FOLLOWING:
 - PREGRADING MEETING: WHEN THE PERMITEE IS READY TO BEGIN WORK AND BEFORE ANY GRADING IS STARTED. THE FOLLOWING PEOPLE MUST BE PRESENT: OWNER, GRADING CONTRACTOR, DESIGN CIVIL ENGINEER, SOILS ENGINEER, GEOLOGIST & BUILDING INSPECTOR.
 - TOE INSPECTION: AFTER THE NATURAL GROUND IS EXPOSED AND PREPARED TO RECEIVE FILL AND BEFORE ANY FILL IS PLACED.
 - FILL INSPECTION: AFTER THE AREA TO RECEIVE FILL HAS BEEN PREPARED AND INSPECTED BY THE SOILS ENGINEER.
 - ROUGH GRADING: WHEN ALL ROUGH GRADING HAS BEEN COMPLETED.
 - FINAL INSPECTION: WHEN ALL WORK, INCLUDING INSTALLATION OF ALL DRAINAGE STRUCTURES AND OTHER PROTECTIVE DEVICES, HAS BEEN COMPLETED.
- THE PERMITEE SHALL WAIT FOR APPROVAL BY THE INSPECTOR BEFORE PROCEEDING WITH THE WORK.
- SUFFICIENT TESTS OF SOILS PROPERTIES, INCLUDING SOIL TYPES AND SHEAR STRENGTH, SHALL BE MADE DURING GRADING OPERATIONS TO VERIFY COMPLIANCE WITH DESIGN CRITERIA. THE RESULTS OF SUCH TESTING SHALL BE FURNISHED TO THE DEPARTMENT OF PUBLIC WORKS UPON COMPLETION OF GRADING OPERATIONS, OR WHEN NECESSITATED BY FIELD CONDITIONS UPON REQUEST OF THE DEPARTMENT OF BUILDING & SAFETY.
- THE GRADING CONTRACTOR SHALL SUBMIT A WRITTEN STATEMENT VERIFYING THAT WORK DONE UNDER HIS DIRECTION WAS PERFORMED IN ACCORDANCE WITH THE APPROVED PLANS AND REQUIREMENTS OF CHAPTER 70 OF THE CITY OF LOS ANGELES BUILDING CODE OR DESCRIBING ALL VARIANCES FROM THE APPROVED PLANS AND REQUIREMENTS OF THE CODE.
- THE LOCATION AND PROTECTION OF ALL UTILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.
- DUST SHALL BE CONTROLLED BY WATERING.
- SANITARY FACILITIES SHALL BE MAINTAINED ON THE SITE FROM BEGINNING TO COMPLETION OF GRADING OPERATIONS.
- ALL GRADING SHALL CONFORM TO THE RECOMMENDATIONS IN THE APPROVED GEOTECHNICAL REPORT.
- THE CONTRACTOR SHALL INCORPORATE EROSION MEASURES WHEN DEEMED NECESSARY BY THE BUILDING OFFICIAL OR HIS APPROVED OR DESIGNATED REPRESENTATIVE. SEPARATE PLANS FOR TEMPORARY DRAINAGE AND EROSION CONTROL MEASURES TO BE USED DURING THE RAINY SEASON WILL BE SUBMITTED. THE CONTROL DEVICES, SHOWN ON SAID PLANS, WILL BE INSTALLED AND MAINTAINED IN OPERABLE CONDITION YEAR ROUND.
- FILLS SHALL BE COMPACTED THROUGHOUT TO 90% OF MAXIMUM DENSITY AS DETERMINED BY THE CITY OF LOS ANGELES BUILDING CODE CHAPTER 70, SECTION 7011.3, LATEST EDITION, AND CERTIFIED BY THE SOILS ENGINEER. NOT LESS THAN ONE FIELD DENSITY TEST WILL BE MADE FOR EACH 2 FEET VERTICAL LIFT OF FILL NOR LESS THAN ONE SUCH TEST FOR EACH 1000 CUBIC YARDS OF MATERIAL PLACED. AT LEAST ONE-HALF OF THE REQUIRED TESTS SHALL BE MADE AT THE LOCATION OF THE FINAL FILL SLOPE.
- NO ROCK OR SIMILAR MATERIAL GREATER THAN 12" IN GREATEST DIMENSION WILL BE PLACED IN THE FILL UNLESS RECOMMENDATIONS FOR SUCH PLACEMENT HAVE BEEN SUBMITTED BY THE SOILS ENGINEER IN ADVANCE AND APPROVED BY THE DIRECTOR OF PUBLIC WORKS.
- CONTINUOUS INSPECTION BY THE SOILS ENGINEER OR HIS RESPONSIBLE REPRESENTATIVE WILL BE PROVIDED DURING ALL FILL PLACEMENT AND COMPACTION OPERATIONS.
- ALL TRENCH BACKFILLS SHALL BE TESTED AND CERTIFIED BY THE SOILS ENGINEER.
- THE SOILS ENGINEER AND THE ENGINEERING GEOLOGIST SHALL BE RESPONSIBLE FOR THE QUALITY OF THE WORK PERFORMED BY THE GRADING CONTRACTOR, AND SHALL EXERCISE SUFFICIENT SUPERVISORY CONTROL DURING GRADING TO INSURE COMPLIANCE WITH THE PLANS, SPECIFICATIONS, AND CODE WITHIN HIS PURVIEW.
- THE DESIGN CIVIL ENGINEER SHALL EXERCISE SUFFICIENT SUPERVISORY CONTROL DURING GRADING AND CONSTRUCTION TO INSURE COMPLIANCE WITH THE PLANS, SPECIFICATIONS, AND CODE WITHIN HIS PURVIEW.
- ANY REVISIONS MADE IN THE APPROVED GRADING AS SHOWN ON THE GRADING PLAN MUST BE SPECIFICALLY APPROVED BY THE BUILDING OFFICIAL OR HIS DESIGNATED REPRESENTATIVE.
- CUBIC YARDS OF CUT: 183 CUBIC YARDS OF FILL: 275
- REGISTERED DEPUTY GRADING INSPECTOR IS REQUIRED ON GRADING AND FOUNDATION EARTHWORK WHERE (SITE EXCEEDS 60,000 S.F.) (CUT OR FILL SLOPES EXCEEDS 2:1) (CUTS EXCEED 40 FT. IN HEIGHT AND WITHIN 20 FT. OF A PROPERTY LINE) (PROJECTS INVOLVE UNUSUAL HAZARDS) (SHORING WORK INCLUDING SLOTS-CUTS)." SEC. 1704.
- ALL GRADED SLOPES SHALL BE PLANTED AND SPRINKLER. SEC. 7012.1.
- RETAINING WALLS LOCATED CLOSER TO THE PROPERTY LINE THAN THE HEIGHT OF THE WALL SHALL BE BACKFILLED NOT LATER THAN 10 DAYS AFTER CONSTRUCTION OF THE WALL AND NECESSARY STRUCTURAL SUPPORTING MEMBERS UNLESS RECOMMENDED OTHERWISE BY RESPONSIBLE ENGINEER.
- THE UNDERSIGNED CIVIL ENGINEER CERTIFIES THAT THIS GRADING WORK WILL BE SUPERVISED IN ACCORDANCE WITH APPENDIX J OF THE CITY OF LOS ANGELES BUILDING CODE.

NAME BARBARA L. HALL R.C.E. 42206 DATE 7/3/23

BYER GEOTECHNICAL, INC.
148 E. CHEVY CHASE DR., SUITE 200
GLENDALE, CA 91206
818.549.9959 TEL.
818.543.3747 FAX
e-mail: rhabayan@byergeo.com

THESE PLANS HAVE BEEN REVIEWED BY BYER GEOTECHNICAL, INC. AND CONFORM TO THE GEOTECHNICAL RECOMMENDATIONS CONTAINED IN THE REPORT.

BG: 21906
REPORTS DATED: 06/06/2014 & 02/09/2022
DATE STAMPED: 01/02/2024



- "GENERAL SPECIFICATIONS FOR ALL GRADING PLANS" - DEPARTMENT BUILDING AND SAFETY FORM B-164 IS A PART OF THE PLANS.
- STANDARD 12 INCH HIGH BERM IS REQUIRED AT TOP OF ALL GRADED SLOPES. SEC. 7013.3.
- NO FILL TO BE PLACED, UNTIL THE CITY GRADING INSPECTOR HAS INSPECTED AND APPROVED THE BOTTOM EXCAVATION.
- MAN-MADE FILL SHALL BE COMPACTED TO A MINIMUM RELATIVE COMPACTION OF 90% MAX. DRY DENSITY DEEPER THAN 40 FEET BELOW FINISH GRADE, UNLESS A LOWER RELATIVE COMPACTION (NOT LESS THAN 90% OF MAX. DRY DENSITY) IS JUSTIFIED BY THE SOILS ENGINEER.
- A REGISTERED DEPUTY GRADING INSPECTOR IS REQUIRED ON ALL SHORING WORK INCLUDING SLOT-CUTS SEC. 1701.5.
- ALL FILL SLOPES IN EXCESS OF 100' IN HEIGHT MUST COMPLY WITH THE SETTLEMENT CONTROL REQUIREMENTS OF SEC. 7011.3 BEFORE A BUILDING PERMIT IS ISSUED.
- TEMPORARY EROSION CONTROL TO BE INSTALLED BETWEEN OCTOBER 1 AND APRIL 15. OBTAIN GRADING INSPECTOR'S AND DEPARTMENT OF PUBLIC WORKS APPROVAL OF PROPOSED PROCEDURES. [>200 CY] (7007.1)

ENGINEER'S NOTICE TO CONTRACTOR

- ANY CONTRACTOR PERFORMING WORK ON THIS PROJECT SHALL FAMILIARIZE HIMSELF WITH THE SITE AND SHALL BE SOLELY RESPONSIBLE FOR ANY DAMAGE TO EXISTING FACILITIES RESULTING DIRECTLY OR INDIRECTLY FROM HIS OPERATIONS. WHETHER OR NOT THEY ARE SHOWN ON THE PLANS.
- THE ESTIMATE OF CUT AND FILL VOLUMES WAS MADE BASED ON THE DIFFERENCE BETWEEN THE DESIGN FINISH GRADES AND THE EXISTING FINISH GRADE FROM THE TOPOGRAPHIC SURVEY. NO ALLOWANCE HAS BEEN MADE FOR FINISH PAVING THICKNESS OR IMPORT OF PLANTING SOIL OR SOIL AMENDMENTS FOR PLANTING AREAS. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN ESTIMATE OF GRADING QUANTITIES, INCLUDING ALLOWANCES FOR PAVING THICKNESS, OR IMPORT OF PLANTER SOIL OR SOIL AMENDMENTS.
- UTILITY LINE LOCATIONS WERE TAKEN FROM RECORD AND WERE NOT LOCATED IN THE FIELD, UNLESS OTHERWISE NOTED ON THE PLAN. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITIES AND REPORT ANY DISCREPANCIES.
- ALL WORK SHALL CONFORM TO THE PROVISIONS OF CONSTRUCTION SAFETY ORDERS ISSUED BY THE STATE DIVISION OF INDUSTRIAL SAFETY. IN CASE OF ANY ACCIDENTS INVOLVING SAFETY MATTERS COVERED BY SECTION 6424 OF THE CALIFORNIA LABOR CODE, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE STATE DIVISION OF INDUSTRIAL SAFETY.

**STORM WATER POLLUTION CONTROL REQUIREMENTS FOR CONSTRUCTION ACTIVITIES
MINIMUM WATER QUALITY PROTECTION REQUIREMENTS FOR ALL CONSTRUCTION PROJECTS**

CONSTRUCTION MEANS CONSTRUCTING, CLEARING, GRADING OR EXCAVATION THAT RESULT IN SOIL DISTURBANCE. CONSTRUCTION INCLUDES STRUCTURE, TEARDOWN (DEMOLITION) IT DOES NOT INCLUDE ROUTINE MAINTENANCE TO MAINTAIN ORIGINAL LINE AND GRADE, HYDRAULIC CAPACITY, OR ORIGINAL PURPOSE OF FACILITY; EMERGENCY CONSTRUCTION ACTIVITIES REQUIRED TO IMMEDIATELY PROTECT PUBLIC HEALTH AND SAFETY; INTERIOR REMODELING WITH NO OUTSIDE EXPOSURE OF CONSTRUCTION MATERIAL OR CONSTRUCTION WASTE TO STORM WATER; MECHANICAL PERMIT WORK; OR SIGN PERMIT WORK. (ORDER NO. 01-182, NPDES PERMIT NO. CASO04001 - PART 5: DEFINITIONS)

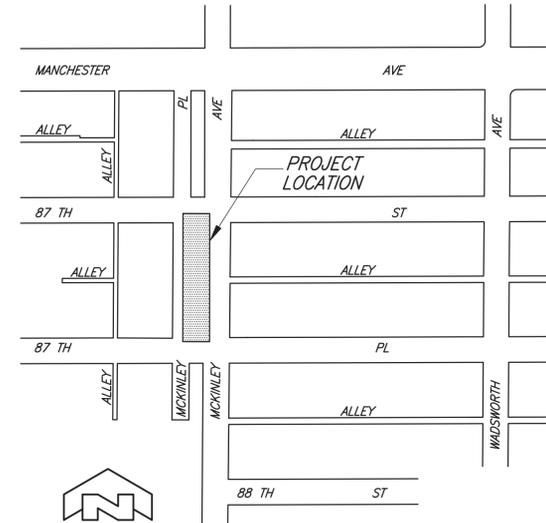
- ERODED SEDIMENTS AND POLLUTANTS SHALL BE RETAINED ON SITE AND SHALL NOT BE TRANSPORTED FROM THE SITE VIA SHEET FLOW, SWALES, AREA DRAINS, NATURAL DRAINAGE OR WIND.
- STOCKPILES OF EARTH AND OTHER CONSTRUCTION-RELATED MATERIALS SHALL BE COVERED AND/OR PROTECTED FROM BEING TRANSPORTED FROM THE SITE BY WIND OR WATER.
- FUELS, OILS, SOLVENTS AND OTHER TOXIC MATERIALS MUST BE STORED IN ACCORDANCE WITH THEIR LISTING AND SHALL NOT CONTAMINATE THE SOIL NOR THE SURFACE WATERS. ALL APPROVED TOXIC STORAGE CONTAINERS ARE TO BE PROTECTED FROM THE WEATHER. SPILLS MUST BE CLEANED UP IMMEDIATELY AND DISPOSED OF PROPERLY AND SHALL NOT BE WASHED INTO THE DRAINAGE SYSTEM.
- NON-STORM WATER RUNOFF FROM EQUIPMENT AND VEHICLE WASHING AND ANY OTHER ACTIVITY SHALL BE CONTAINED ON THE PROJECT SITE.
- EXCESS OR WASTE CONCRETE MAY NOT BE WASHED INTO THE PUBLIC WAY OR ANY DRAINAGE SYSTEM. PROVISIONS SHALL BE MADE TO RETAIN CONCRETE WASTE ON-SITE UNTIL IT CAN BE APPROPRIATELY DISPOSED OF OR RECYCLED.
- TRASH AND CONSTRUCTION-RELATED SOLID WASTES MUST BE DEPOSITED INTO A COVERED RECEPTACLE TO PREVENT CONTAMINATION OF STORM WATER AND DISPERSAL BY WIND.
- SEDIMENTS AND OTHER MATERIALS SHALL NOT BE TRACKED FROM THE SITE BY VEHICLE TRAFFIC. THE CONSTRUCTION ENTRANCE ROADWAYS MUST BE STABILIZED SO AS TO INHIBIT SEDIMENTS FROM BEING DEPOSITED INTO THE STREET/PUBLIC WAYS. ACCIDENTAL DEPOSITIONS MUST BE SWEEPED UP IMMEDIATELY AND MAY NOT BE WASHED DOWN BY RAIN OR BY ANY OTHER MEANS.
- RETENTION BASINS OF SUFFICIENT SIZE SHALL BE PROVIDED TO RETAIN STORM WATER RUNOFF ON-SITE AND SHALL BE PROPERLY LOCATED TO COLLECT ALL TRIBUTARY SITE RUNOFF.
- WHERE RETENTION OF STORM WATER RUNOFF ON-SITE IS NOT FEASIBLE DUE TO SITE CONSTRAINTS, RUNOFF MAY BE CONVEYED TO THE STREET AND THE STORM DRAIN SYSTEM PROVIDED THAT AN APPROVED FILTERING SYSTEM IS INSTALLED AND MAINTAINED ON-SITE DURING THE CONSTRUCTION DURATION.

ENGINEER'S ESTIMATE OF EARTHWORK QUANTITIES (NOT FOR BIDDING PURPOSES - FOR PERMIT ESTIMATION PURPOSES ONLY)		
DESCRIPTION	CUT (CU YDS)	FILL (CU YDS)
RAW VOLUMES	183	275
OVER-EXCAVATION UPPER TWO FEET OF EARTH MATERIAL REMOVED AND REPLACED AS COMPACTED FILL	69	69
EXPORT	0	0
IMPORT	0	92

NOTES:
ANY CHANGES (TYPE, SIZE LOCATION) TO APPROVED STORMWATER BEST MANAGEMENT PRACTICE(S) (BMP(S)) MUST OBTAIN WRITTEN APPROVAL FROM LOS ANGELES, DEPARTMENT OF PUBLIC WORKS, BUREAU OF SANITATION PRIOR TO CONSTRUCTION OF BMP(S).

LEGEND

- | | | | |
|------|----------------|----------|------------------|
| TC | TOP OF CURB | --- | FLOW LINE |
| FF | FINISH FLOOR | —1115— | PROPOSED CONTOUR |
| FL | FLOW LINE | —(1115)— | EXIST. CONTOUR |
| FG | FINISH GRADE | → | FLOW DIRECTION |
| FS | FINISH SURFACE | TW | TOP OF WALL |
| GB | GRADE BREAK | | |
| HP | HIGH POINT | | |
| TG | TOP OF GRADE | | |
| PA | PLANTER AREA | | |
| INV. | INVERT | | |



VICINITY MAP
NTS

OWNER

CITY OF L.A. DEPT. OF RECREATION & PARKS

DEVELOPER

HEAL THE BAY
1444 9TH STREET
SANTA MONICA, CA 90401
(310) 451-1500

CIVIL ENGINEER

BARBARA L. HALL, P.E., INC.
318 W. EVERGREEN AVENUE
MONROVIA, CA 91016
(626) 256-3220

LAND SURVEYOR

WESTERN STATES SURVEYING, INC.
899 W. FOOTHILL BLVD., SUITE E
MONROVIA, CA 91016
(626) 357-5144
DATE OF SURVEY: 1/23/14

SOILS ENGINEER

BYER GEOTECHNICAL, INC.
1461 E. CHEVY CHASE DR., #200
GLENDALE, CA 91206
(818) 549-9959
FILE NO: BG 21906
DATE: 6/06/14 AND 2/9/22

BASIS OF BEARINGS

THE BEARING OF S 0° 10' 45" W FOR THE CENTERLINE OF MCKINLEY PLACE, AS SHOWN ON TRACT NO. 1877, M.B. 21-121, WAS TAKEN AS BASIS OF BEARINGS FOR THIS SURVEY.

LIST OF DRAWINGS

SHEET NO.	DESCRIPTION
C1.01	GENERAL NOTES
C1.02	SOILS REPORT APPROVAL AND RAP EXEMPTION LETTERS
C2.01	GRADING PLAN
C3.01	DRAINAGE PLAN
C4.01	DETAILS
C4.02	DETAILS
C4.03	LID FORMS & PERMAVOID CALCS
C4.04	LETTER OF AGREEMENT
C4.05	LETTER OF AGREEMENT
C5.01	SWPPP NOTES
C5.02	SWPPP/EROSION CONTROL PLAN
LID-1	LID PRE-DEVELOPMENT PERVIOUS & IMPERVIOUS AREAS
LID-2	LID POST-DEVELOPMENT PERVIOUS & IMPERVIOUS AREAS & BMP PLAN

BENCHMARK NO. 18-12931 EL. 131.677 FT

WIRE SPK 3.8FT N/O N CURB MANCHESTER AVE
23FT W/O WADSWORTH AVE; NE COR CB

NAV088 (2000 ADJ)



Under ground Service Alert of Southern California

Call: TOLL FREE 811

TWO WORKING DAYS BEFORE YOU DIG

Barbara L. Hall, P.E., Inc.

318 West Evergreen Avenue
Monrovia, CA 91016
Phone: (626) 256-3220
Fax: (626) 256-3218



North East Trees
570 West Avenue 26 Suite 200
Los Angeles, California 90086
Tel: 323.441.8604
Fax: 323.441.8618
www.northeasttrees.org



Heal the Bay

Heal the Bay
1444 9th Street
Santa Monica, CA 90401
Tel. 310-451-1500
www.healthebay.org

Inell Woods Park
87th Street and
McKinley Avenue
Los Angeles, CA

GENERAL NOTES



DATE: NOVEMBER 15, 2023

DRAWN BY: DS/RS

CHECKED BY: RS

REVISIONS:

SHEET:

C1.01

OF:

SOILS REPORT APPROVAL LETTER

April 25, 2022
 LOG # 121232
 SOILS/GEOLOGY FILE - 2
 LIQ-Exempt

LA Department of Rec. & Parks
 221 N. Figueroa St.
 Los Angeles, CA 90002

TRACT: TR 473
 LOT(S): 12
 LOCATION: 8703 S. McKinley Pl.

CURRENT REFERENCE REPORT/LETTER(S)	REPORT No.	DATE OF DOCUMENT	PREPARED BY
Update Report	BG 21906	02/09/2022	Byer Geotechnical, Inc.
Soils Report	BG 21906	06/06/2014	Byer Geotechnical, Inc.

The Grading Division of the Department of Building and Safety has reviewed the referenced reports that provide recommendations for the Inell Wood Park. The current project consists of developing the site as a public park. A small outdoor fitness equipment area and a few light poles are planned. Classroom buildings are no longer proposed. The earth materials at the subsurface exploration locations consist of up to 1 foot of uncertified fill underlain by native soils.

The consultants recommend to support the proposed light poles on drilled-pile foundations bearing on native undisturbed soils.

Groundwater was not encountered during exploration to a depth of 31 feet below the existing grade and the historically highest groundwater level in the area is approximately 10 feet below the ground surface, according to the consultants.

The site is located in a designated liquefaction hazard zone, as shown on the Seismic Hazard Zones map issued by the State of California. However, the proposed construction is currently exempt (P/BC 2020-044).

The referenced reports are acceptable, provided the following conditions are complied with during site development:

(Note: Numbers in parenthesis () refer to applicable sections of the 2020 City of LA Building Code. P/BC numbers refer to the applicable Information Bulletin. Information Bulletins can be accessed on the internet at LADBS.ORG.)

LADBS G-5 (Rev. 12/14/2021) AN EQUAL EMPLOYMENT OPPORTUNITY - AFFIRMATIVE ACTION EMPLOYER

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 8703 S. McKinley Pl.

- The soils engineer shall review and approve the detailed plans prior to issuance of any permit. This approval shall be by signature on the plans that clearly indicates the soils engineer has reviewed the plans prepared by the design engineer; and, that the plans included the recommendations contained in their reports (7006.1).
- All recommendations of the report(s) that are in addition to or more restrictive than the conditions contained herein shall be incorporated into the plans.
- A copy of the subject and appropriate referenced reports and this approval letter shall be attached to the District Office and field set of plans (7006.1). Submit one copy of the above reports to the Building Department Plan Checker prior to issuance of the permit.
- A grading permit shall be obtained for all structural fill (106.1.2).
- All man-made fill shall be compacted to a minimum 90 percent of the maximum dry density of the fill material per the latest version of ASTM D 1557. Where cohesionless soil having less than 15 percent finer than 0.005 millimeters is used for fill, it shall be compacted to a minimum of 95 percent relative compaction based on maximum dry density. Placement of gravel in lieu of compacted fill is only allowed if complying with LAMC Section 91.7011.3.
- Existing uncertified fill shall not be used for support of footings, concrete slabs or new fill (1809.2, 7011.3).
- Drainage in conformance with the provisions of the Code shall be maintained during and subsequent to construction (7013.12).
- The applicant is advised that the approval of this report does not waive the requirements for excavations contained in the General Safety Orders of the California Department of Industrial Relations (3301.1).
- Excavations shall not remove lateral support from a public way, adjacent property or an existing structure. Note: Lateral support shall be considered to be removed when the excavation extends below a plane projected downward at an angle of 45 degrees from the bottom of a footing of an existing structure, from the edge of the public way or an adjacent property. (3307.3.1)
- A supplemental report shall be submitted to the Grading Division of the Department containing recommendations for shoring, underpinning, and sequence of construction in the event that any excavation would remove lateral support to the public way, adjacent property, or adjacent structures (3307.3). A plot plan and cross-section(s) showing the construction type, number of stories, and location of the structures adjacent to the excavation shall be part of the excavation plans (7006.2).
- All foundations shall derive entire support from native undisturbed soils, as recommended and approved by the soils engineer by inspection.
- Pile caisson and/or isolated foundation ties are required by LAMC Sections 91.1809.13 and/or 91.1810.3.13. Exceptions and modification to this requirement are provided in Information Bulletin P/BC 2020-030.

Page 3
 8703 S. McKinley Pl.

- When water is present in drilled pile holes, the concrete shall be tremied from the bottom up to ensure minimum segregation of the mix and negligible turbulence of the water (1808.8.3).
- Existing uncertified fill shall not be used for lateral support of deep foundations (1810.2.1).
- Slabs placed on approved compacted fill shall be at least 3½ inches thick and shall be reinforced with ½-inch diameter (#4) reinforcing bars spaced a maximum of 16 inches on center each way.
- Concrete floor slabs placed on expansive soil shall be placed on a 4-inch fill of coarse aggregate or on a moisture barrier membrane. The slabs shall be at least 3½ inches thick and shall be reinforced with ½-inch diameter (#4) reinforcing bars spaced a maximum of 16 inches on center each way.
- The seismic design shall be based on a Site Class D, as recommended. All other seismic design parameters shall be reviewed by LADBS building plan check. According to ASCE 7-16 Section 11.4.8, the long period coefficient (Fv) may be selected per Table 11.4-2 in ASCE 7-16, provided that the value of the Seismic Response Coefficient (Cs) is determined by Equation 12.8-2 for values of the fundamental period of the building (T) less than or equal to 1.5Ts, and taken as 1.5 times the value computed in accordance with either Equation 12.8-3 for T greater than 1.5Ts and less than or equal to TL or Equation 12.8-4 for T greater than TL. Alternatively, a supplemental report containing a site-specific ground motion hazard analysis in accordance with ASCE 7-16 Section 21.2 shall be submitted for review and approval.
- The structure shall be connected to the public sewer system per P/BC 2020-027.
- All roof, pad and deck drainage shall be conducted to the street in an acceptable manner in non-erosive devices or other approved location in a manner that is acceptable to the LADBS and the Department of Public Works (7013.10).
- An on-site storm water infiltration system at the subject site shall not be implemented, as recommended.
- All concentrated drainage shall be conducted in an approved device and disposed of in a manner approved by the LADBS (7013.10).
- The soils engineer shall inspect all excavations to determine that conditions anticipated in the report have been encountered and to provide recommendations for the correction of hazards found during grading (7008, 1705.6 & 1705.8).
- All friction pile or caisson drilling and excavations shall be performed under the inspection and approval of the geologist and soils engineer. The geologist shall indicate the distance that friction piles or caissons penetrate into competent alluvium in a written field memorandum. (1803.5.5, 1705.1.2)
- Prior to pouring concrete, a representative of the consulting soils engineer shall inspect and approve the footing excavations. The representative shall post a notice on the job site for the LADBS Inspector and the Contractor stating that the work inspected meets the conditions of the report. No concrete shall be poured until the LADBS Inspector has also inspected and approved the footing excavations. A written certification to this effect shall

Page 4
 8703 S. McKinley Pl.

- be filed with the Grading Division of the Department upon completion of the work. (108.9 & 7008.2)
- Prior to excavation an initial inspection shall be called with the LADBS Inspector. During the initial inspection, the sequence of construction; pile installation; protection fences; and, dust and traffic control will be scheduled (108.9.1).
- Pile excavations shall be performed under the inspection and approval of the soils engineer and deputy grading inspector (1705.6, 1705.8).
- Prior to the placing of compacted fill, a representative of the soils engineer shall inspect and approve the bottom excavations. The representative shall post a notice on the job site for the LADBS Inspector and the Contractor stating that the soil inspected meets the conditions of the report. No fill shall be placed until the LADBS Inspector has also inspected and approved the bottom excavations. A written certification to this effect shall be included in the final compaction report filed with the Grading Division of the Department. All fill shall be placed under the inspection and approval of the soils engineer. A compaction report together with the approved soil report and Department approval letter shall be submitted to the Grading Division of the Department upon completion of the compaction. In addition, an Engineer's Certificate of Compliance with the legal description as indicated in the grading permit and the permit number shall be included (7011.3).
- No footing/slab shall be poured until the compaction report is submitted and approved by the Grading Division of the Department.

LEILA ETAAT
 Structural Engineering Associate II
 LE/le
 Log No. 121232
 213-482-0480

cc: Applicant
 Byer Geotechnical, Inc., Project Consultant
 LA District Office

FORM GEN. 160 (Rev. 11-02)

CITY OF LOS ANGELES
 INTERDEPARTMENTAL CORRESPONDENCE

Date: January 10, 2022
 To: Department of Building and Safety
 From: Darryl Ford, Superintendent
 Planning, Construction and Maintenance Branch
 Department of Recreation and Parks

Subject: McKinley Place (Inell Woods) Park Improvements

Pursuant to the letter, dated December 6, 2018, issued by Department of City Planning, it is agreed that the City of Los Angeles Charter exempts the Department of Recreation and Parks (RAP) projects from the regulations of Chapter 1 of the Los Angeles Municipal Code (CH 1 LAMC). RAP manages the development of the project with the support of its pre-qualified contractors.

Project name: McKinley Place (Inell Woods) Park
 Project address: McKinley Place at 87th Street, Los Angeles, CA 90002
 Scope of work: The project's scope of work consists of the installation of an EPIC stormwater filtration and irrigation system, 6-foot high perimeter fence with entry gates, security lighting, play equipment, adult exercise equipment, game tables and benches, permeable pavers, shade trees, shrubs, groundcover and boulders.

Since the proposed project is within RAP's property, it is exempt from the regulations of CH 1 LAMC. Please contact my staff, Sean Phan, at 213-202-2637 or sean.phan@lacity.org if you have any questions.

Cc: Sean Phan, RAP
 Craig Raines, RAP

Attachment:
 Department of Recreation and Parks Authority under City Charter



North East Trees
 570 West Avenue 26 Suite 200
 Los Angeles, California 90065
 Tel: 323.441.8604
 Fax: 323.441.8618
 www.northeasttrees.org



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Inell Woods Park
 87th Street and
 McKinley Avenue
 Los Angeles, CA

SOILS REPORT APPROVAL AND RAP EXEMPTION LETTERS

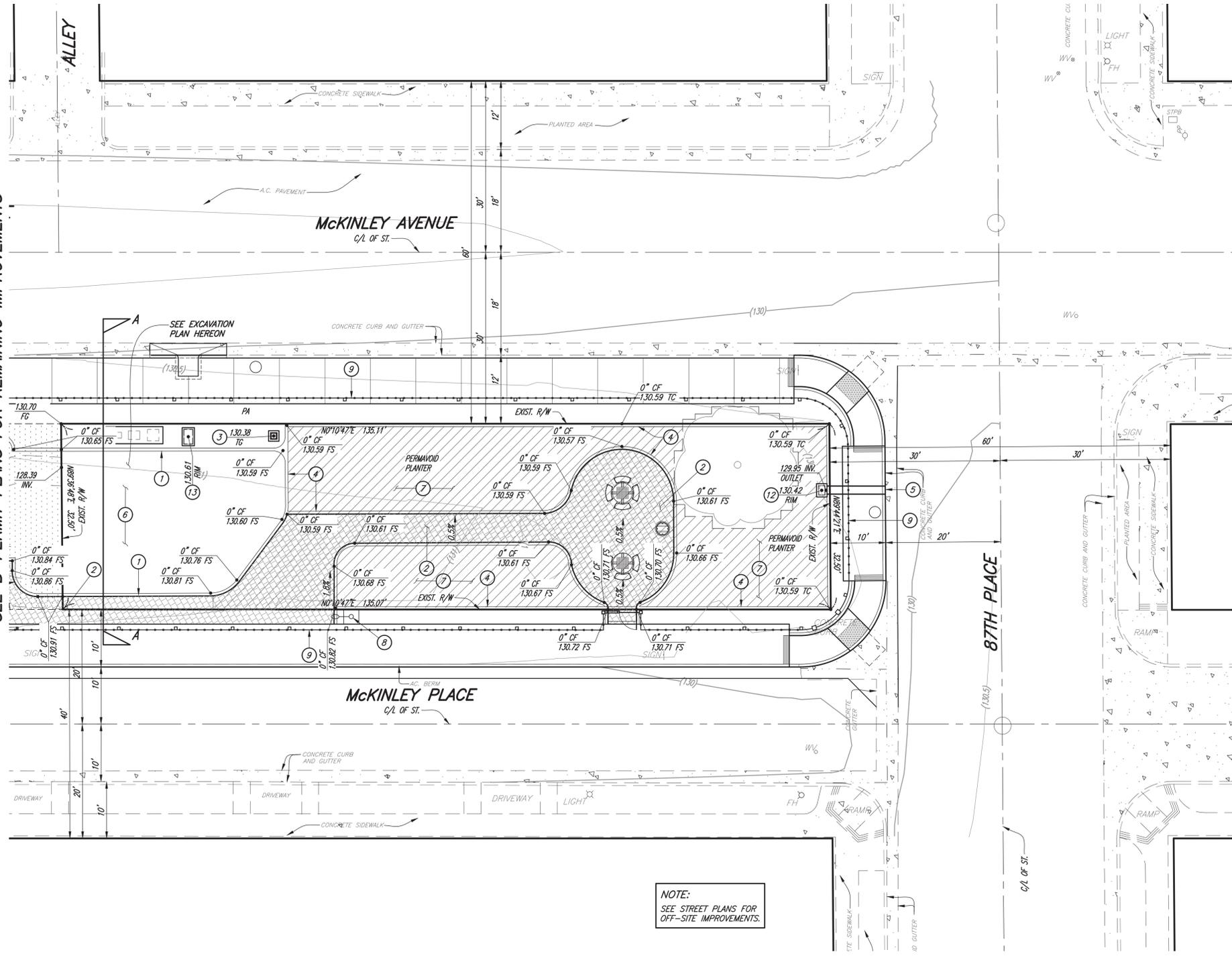


DATE: JULY 3, 2023
 DRAWN BY: DS/RS
 CHECKED BY: RS
 REVISIONS:

SHEET:
C1.02
 OF:

Barbara L. Hall, P.E., Inc.
 318 West Evergreen Avenue
 Monrovia, CA 91016
 Phone: (626) 256-3220
 Fax: (626) 256-3218

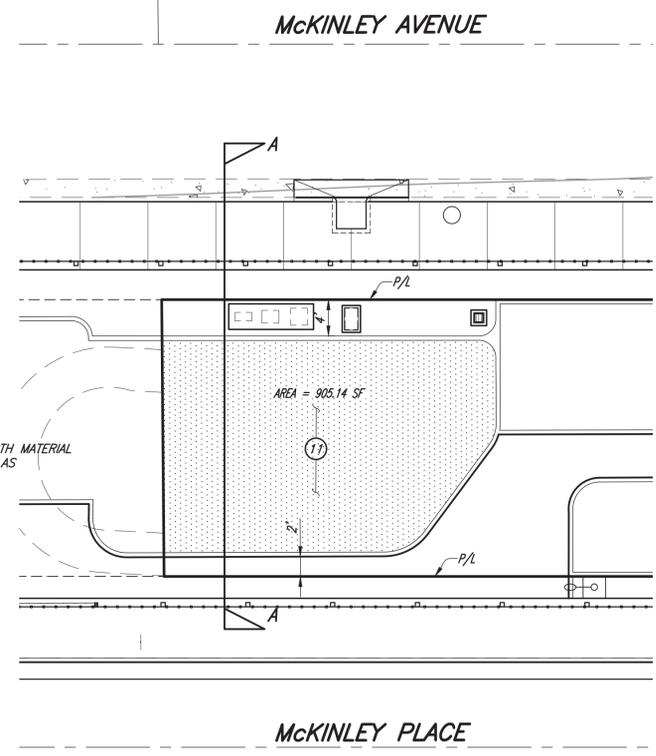
SEE B-PERMIT PLANS FOR REMAINING IMPROVEMENTS



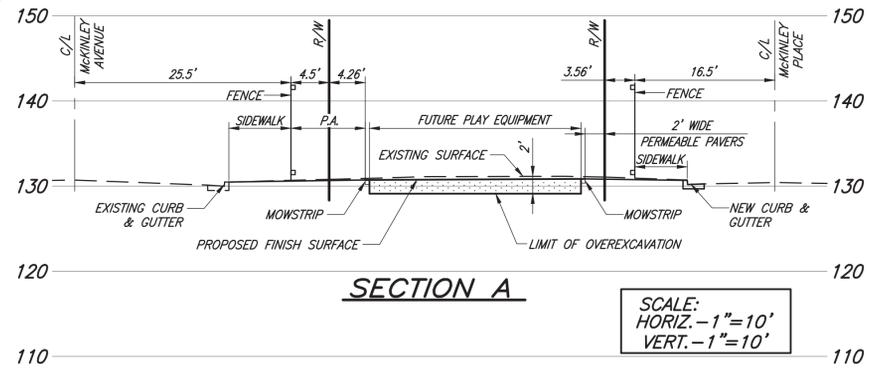
NOTE:
SEE STREET PLANS FOR
OFF-SITE IMPROVEMENTS.

CONSTRUCTION NOTES:

- 1 CONSTRUCT 0" CURB FACE PER DETAIL 1 ON SHEET C4.01.
- 2 ANGELUS HOLLARD PERMEABLE PAVERS. SEE LANDSCAPE PLANS.
- 3 CATCH BASIN. SEE DRAINAGE PLANS.
- 4 CONSTRUCT LID PLANTER CURB PER DETAIL 3 ON SHEET C4.01.
- 5 CURB-O-LET DRAIN. SEE STREET PLANS.
- 6 FUTURE PLAY EQUIPMENT. SEE LANDSCAPE PLANS.
- 7 CONSTRUCT PERMAVOID PLANTER PER DETAILS ON SHEETS C4.01 & C4.02.
- 8 LIGHT POLE & FOUNDATION. SEE LANDSCAPE PLANS.
- 9 TUBULAR STEEL FENCE. SEE LANDSCAPE PLANS.
- 10 CONCRETE PLANTER RING. SEE LANDSCAPE PLANS.
- 11 THE UPPER TWO FEET OF EARTH MATERIALS, INCLUDING FILL AND SOFTER DISTURBED ALLUVIUM, SHOULD BE REMOVED AND REPLACED AS CERTIFIED COMPACTED FILL.
- 12 CONSTRUCT PERMAVOID OUTLET PER DETAIL 6 ON SHEET C4.01.
- 13 FILTER BOX. SEE DRAINAGE PLANS.



EXCAVATION PLAN
SCALE: 1" = 10'



SECTION A

SCALE:
HORIZ. - 1" = 10'
VERT. - 1" = 10'

BENCHMARK NO. 18-12931 EL. 131.677 FT
WIRE SPK 3.8FT N/O N CURB MANCHESTER AVE
23FT W/O WADSWORTH AVE; NE COR CB
NAVD88 (2000 ADJ)



Under
ground
Service Alert
of Southern California
Call: TOLL FREE
811

Barbara L. Hall, P.E., Inc.
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Monrovia, CA 91016
Phone: (626) 256-3220
Fax: (626) 256-3218

BYER GEOTECHNICAL, INC.
1461 E. CHEVY CHASE DR., SUITE 200
GLENDALE, CA 91206
818-549-9999 TEL
818-543-3747 FAX
e-mail: rbabayan@byergeo.com



THESE PLANS HAVE BEEN REVIEWED BY BYER GEOTECHNICAL, INC. AND CONFORM TO THE GEOTECHNICAL RECOMMENDATIONS CONTAINED IN THE REPORT.
BG: 21908
REPORTS DATED: 06/06/2014 & 02/09/2022
DATE STAMPED: 01/02/2024



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Inell Woods Park
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McKinley Avenue
Los Angeles, CA

GRADING PLAN



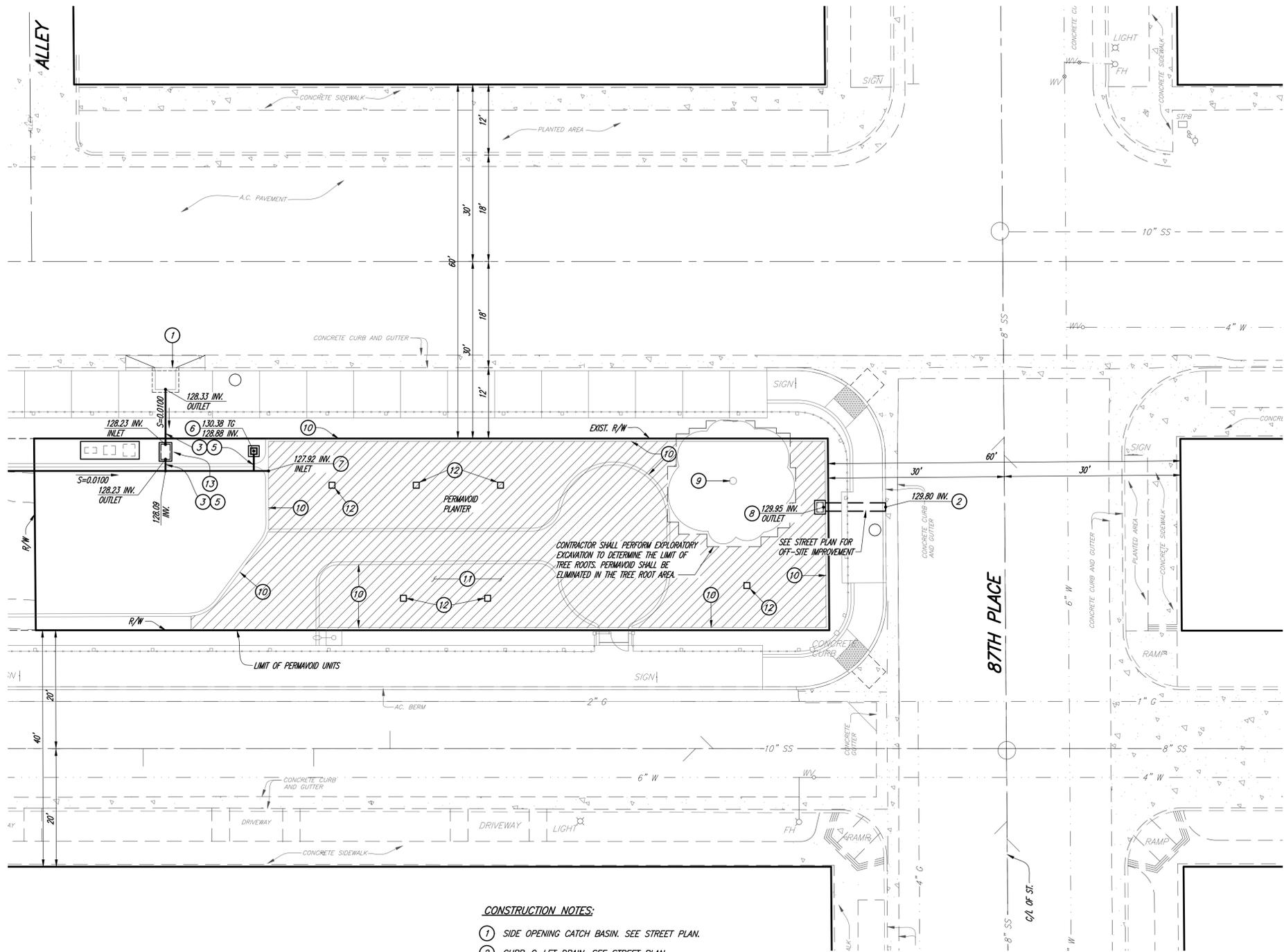
DATE: NOVEMBER 15, 2023
DRAWN BY: DS/RS
CHECKED BY: RS
REVISIONS:

SHEET:

C2.01

OF:

SEE B-PERMIT PLANS FOR REMAINING IMPROVEMENTS



CONSTRUCTION NOTES:

- 1 SIDE OPENING CATCH BASIN. SEE STREET PLAN.
- 2 CURB-0-LET DRAIN. SEE STREET PLAN.
- 3 FURNISH & INSTALL 6" PVC PIPE SDR 35 & FITTINGS WITH SOLVENT WELDED JOINTS.
- 4 CONSTRUCT DRAIN CLEANOUT PER CITY OF L.A. STD. PLAN S-164-0.
- 5 BACKFILL TRENCH PER DETAIL 2 ON SHEET C4.01.
- 6 CONSTRUCT CATCH BASIN PER DETAIL 6 ON SHEET C4.02.
- 7 CONSTRUCT PERMAVOID INLET PER DETAIL 1 ON SHEET C4.02.
- 8 PERMAVOID OUTLET PER DETAIL 6 ON SHEET C4.01.
- 9 CONSTRUCT TREE PROTECTION PER DETAIL 3 ON SHEET C4.02.
- 10 CONSTRUCT EPDM LINER TERMINATION AT LID PLANTER CURB PER DETAIL 5 ON SHEET C4.02.
- 11 CONSTRUCT PERMAVOID PLANTER PER DETAILS ON SHEETS C4.01 & C4.02.
- 12 CONSTRUCT OBSERVATION WELL 2 PER DETAIL SHEET C4.02.
- 13 CONSTRUCT FILTER BOX PER DETAIL 8 ON SHEET C4.01.

NOTE:
THE EXISTENCE & LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE THERE ARE NO EXISTING UTILITIES EXCEPT AS SHOWN ON THIS DRAWING. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN & ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON THIS DRAWING.

NOTE:
UTILITIES SHOWN ON PLAN ARE PROVIDED FOR REFERENCE ONLY AND SEPARATE PERMITS MAY BE REQUIRED.



BENCHMARK NO. 18-12931 EL. 131.677 FT
WIRE SPK 3.8FT N/O N CURB MANCHESTER AVE
23FT W/O WADSWORTH AVE; NE COR CB
NAVD88 (2000 ADJ)



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Call: TOLL FREE 811

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PERMAVOID CONSTRUCTION NOTES

1. PERMAVOID SYSTEMS SHALL BE DESIGNED, CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH ALL STATE / LOCAL REQUIREMENTS, CODES AND GUIDELINES.
2. THE RESPONSIBLE DESIGN PROFESSIONAL AND/OR PROJECT ENGINEER OF RECORD SHALL BE RESPONSIBLE FOR THE SUITABILITY OF PERMAVOID SYSTEMS FOR ANY AND ALL APPLICATIONS AS PER ABT, INC. TERMS AND CONDITIONS.
3. PERMAVOID SYSTEMS SHALL ADHERE TO THE LATEST MANUFACTURER'S DATASHEETS AND SPECIFICATIONS FOR MATERIAL, DIMENSIONAL, STRUCTURAL AND HYDRAULIC PROPERTIES AND SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S INSTALLATION GUIDELINES (SEE PERMAVOID DATASHEETS AND ASSEMBLY DOCUMENTS).
4. PERMAVOID SYSTEMS SHALL BE SURROUNDED BY GEOSYNTHETICS APPROPRIATE BY APPLICATION.
5. SUBBASE, DETENTION AND/OR INFILTRATION APPLICATIONS REQUIRE PERMAVOID SYSTEMS TO BE SURROUNDED ON ALL VERTICAL AND HORIZONTAL SIDES BY SEPARATION GEOTEXTILES THAT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS. SUGGESTION - NONWOVEN POLYPROPYLENE GEOTEXTILE WITH TYPICAL WEIGHT OF 10 oz/y² (340 g/m²) PER ASTM D-5261.
6. RETENTION, DETENTION AND/OR RAINWATER HARVESTING APPLICATIONS MAY REQUIRE PERMAVOID SYSTEMS TO BE SURROUNDED ON ALL VERTICAL AND HORIZONTAL SIDES BY WATERPROOF GEOMEMBRANE LINERS THAT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS AND MUST PROVIDE A COMPLETELY SEALED WATERTIGHT SYSTEM WHEN REQUIRED. SUGGESTION - 30 mil HDPE, LLDPE, EPDM, PVC OR APPROVED ALTERNATES.
7. PUNCTURE PROTECTION OF GEOMEMBRANE LINERS MAY BE REQUIRED AND SHALL BE PROVIDED AS PER THE GEOMEMBRANE LINER MANUFACTURER'S RECOMMENDATIONS.
8. CAPILLARY IRRIGATION APPLICATIONS REQUIRE PERMAVOID SYSTEMS TO BE SURROUNDED ON ALL SIDE BY PERMAVOID WICKING GEOTEXTILES (SEE PERMATEX CAP HP DATASHEET) WITH A MINIMUM LAP LENGTH OF 12 INCHES (300mm) OR TWO INCHES (50mm) WHEN HEAT WELDING.
9. PERMAVOID UNITS AND WICKING GEOTEXTILES SHALL BE SURROUNDED BY WATERPROOF GEOMEMBRANE LINERS ON THE BOTTOM AND ALL VERTICAL SIDES OF THE PERMAVOID ASSEMBLY TO PROVIDE A WATERTIGHT RESERVOIR UP TO THE DESIGN RETENTION DEPTH. GEOMEMBRANE LINERS SHALL NOT BE PLACED ON TOP OF PERMAVOID CAPILLARY IRRIGATION ASSEMBLIES EXCEPT INCIDENTALLY AT EDGES FOR INSTALLATION PURPOSES. SUGGESTION - 30 mil HDPE, LLDPE, EPDM, PVC OR APPROVED ALTERNATES.
10. ALL PENETRATIONS THROUGH WATERTIGHT PERMAVOID APPLICATIONS, INCLUDING INLETS, OUTLETS, VENTILATION, OVERFLOW, UTILITY OR OTHER, SHALL BE MADE WATERTIGHT AS PER WATERPROOFING MANUFACTURER'S REQUIREMENTS.
11. PERMAVOID SYSTEMS, DIRECTLY OR INDIRECTLY SUBJECT TO LOADING, SHALL BE DESIGNED IN ACCORDANCE WITH CIRIA C680, STRUCTURAL DESIGN OF GEOCELLULAR DRAINAGE TANKS (WILSON, 2008) UNTIL WHICH TIME ASTM GUIDELINES BECOME AVAILABLE (ASTM WK47898).
12. SUBGRADE SOILS, BELOW ALL LOADED APPLICATIONS, SHALL BE PREPARED IN ACCORDANCE WITH GEOTECHNICAL ENGINEER'S REQUIREMENTS AND MAY NOT BE LESS THAN 5% CBR WITHOUT ABT, INC. WRITTEN APPROVAL.
13. SUBGRADE SOILS SHALL BE PREPARED LEVEL WITH A MAXIMUM DEVIATION OF 1/4 INCH (3mm) VERTICALLY OVER 10 FEET (3m) HORIZONTALLY AND FREE OF SHARP OBJECTS OR PROJECTIONS. SLOPING SYSTEMS MAY BE ALLOWED ONLY WITH APPROVAL OF ABT, INC AND THE ENGINEER OF RECORD.
 - a. 6.0 INCHES (150mm) TO 12.0 INCHES (305mm) SHALL HAVE AN AVERAGE PARTICLE SIZE OF 0.020 INCHES (0.50mm).
 - b. 12.0 INCHES (305mm) TO 24.0 INCHES (610mm) SHALL HAVE AN AVERAGE PARTICLE SIZE OF 0.012 INCHES (0.30mm).
 - c. SOILS LESS THAN 6.0 INCHES (150mm) OR GREATER THAN 24.0 INCHES (610mm) IN DEPTH REQUIRE ABT, INC. APPROVAL.
 - d. SOILS FOR BIOFILTRATION SHALL COMPLY WITH LOCAL DESIGN CRITERIA AND SOIL REQUIREMENTS.
15. PERMAVOID CAPILLARY IRRIGATION SYSTEMS SHALL INCLUDE A MINIMUM OF EIGHT CAPILLARY CYLINDERS PER SQUARE METER (8 CYLINDERS FOR EVERY 10.8 SQUARE FEET) WHICH SHALL BE INSTALLED IN ACCORDANCE WITH INSTALLATION DOCUMENTS.
16. PERMAVOID CAPILLARY IRRIGATION SYSTEMS SHALL CONSIST OF ONE OR MORE OF FIVE APPROVED CONFIGURATIONS AND SHALL BE INSTALLED IN ACCORDANCE WITH INSTALLATION DOCUMENTS:
 - a. PV85s AT 3.35 INCH (85mm) DEPTH WITH 95% VOIDS
 - b. PV85 AT 3.35 INCH (85mm) DEPTH WITH 92% VOIDS
 - c. PV150 AT 5.91 INCH (150mm) DEPTH WITH 95% VOIDS
 - d. PV150-85 AT 9.25 INCH (235mm) DEPTH WITH 94% VOIDS
 - e. PV150x2 AT 11.81 INCH (300mm) DEPTH WITH 95% VOIDS
17. SUPPLEMENTAL WATER SOURCES MAY BE EMPLOYED TO PARTIALLY FILL SYSTEMS TO A WATER DEPTH NOT GREATER THAN TWO INCHES AND ONLY WHEN WATER LEVELS WITHIN THE SYSTEM DROP BELOW ONE INCH IN DEPTH. IN SUCH CASES, FLOAT VALVES, SOIL MOISTURES SENSORS AND/OR ELECTRONIC LEVELS SENSORS ARE SUGGESTED TO MONITOR WATER LEVELS WITHIN THE SYSTEM AND PREVENT WASTEFUL WATER USE.
18. ALL CONSTRUCTION AND IN-SERVICE TRAFFIC ABOVE PERMAVOID SYSTEMS SHALL ADHERE TO TYPICAL TRAFFIC SECTIONS / COVER MATERIAL REQUIREMENTS UNLESS AUTHORIZED BY THE SUPERVISING ENGINEER OF RECORD. DIRECT TRAFFIC LOADS ON PERMAVOID UNITS ARE NOT PERMITTED UNLESS EXPRESSLY AUTHORIZED AND SUPERVISED BY ABT STAFF.
19. PLACEMENT OF LOAD BEARING COVER MATERIALS SUCH AS AGGREGATE, SAND OR OTHER ABOVE PERMAVOID SYSTEMS SHALL BE CONDUCTED WITH NON-VIBRATORY COMPACTION UP TO AND INCLUDING SIX INCHES (150mm) IN DEPTH. ANY REMAINING COVER MATERIAL ABOVE THIS SHALL BE PLACED IN ACCORDANCE WITH LOCAL DOT / DPW REQUIREMENTS.
20. NO STORMWATER WATER SHALL BE ALLOWED DIRECT INFLOW ACCESS TO PERMAVOID SYSTEMS WITHOUT APPROVED PRE-TREATMENT SYSTEMS SUCH AS PERMEABLE SURFACES, BIOFILTRATION SOILS, ABT FIRSTFLUSH UNITS OR APPROVED ALTERNATES.



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DRAINAGE PLAN



DATE: JULY 3, 2023
DRAWN BY: DS/RS
CHECKED BY: RS
REVISIONS:

SHEET:
C3.01
OF:

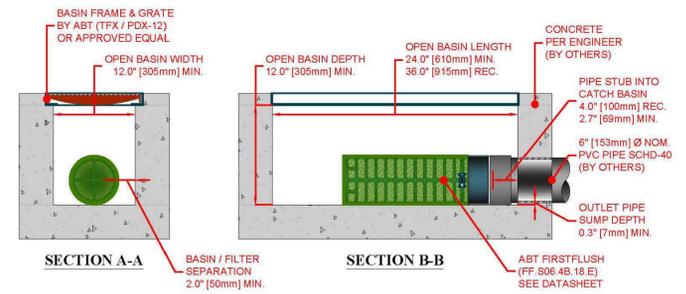
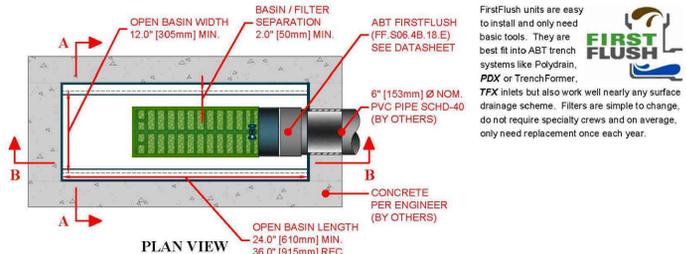
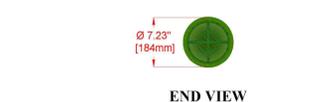
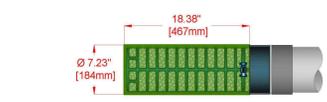
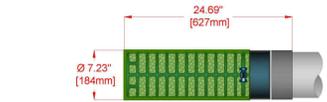
FirstFlush systems are designed to simplify stormwater quality management through source control pre-treatment. This single stage FirstFlush system targets hydrocarbons and suspended solids, most commonly carried by the first flush of rainfall. These pollutants are efficiently removed by the filter media inserts. It is recommended that all single stage filters (filtration media) also include a two stage filter with bypass capabilities to allow less contaminated rainfall to continue onward with ample flow. FirstFlush filter inserts are easy to replace and their shallow nature makes inspection and maintenance simple to perform. FirstFlush systems are the ideal first step in a treatment train that protects downstream infrastructure.

PHYSICAL PROPERTIES			
Material	Stainless Steel, PVC & Composite		
Weight per unit	26.0 lbs	11.79 kg	
Length	24.69 in	627 mm	
Width	7.23 in	184 mm	
Depth	7.23 in	184 mm	
Open Chamber Length (min.)	24.0 in	610 mm	
Open Chamber Width (min.)	12.0 in	305 mm	
Open Chamber Depth (min.)	12.0 in	305 mm	

HYDRAULIC PROPERTIES			
Filtered Flow Rate	294 GPM	18.5 LPS	
Filtered Safety Factor (Sup.)	2.0		
Bypass Flow Rate	N/A	N/A	
Combined Flow Rate	N/A	N/A	
Filtered to Bypass Flow Depth	N/A	N/A	
Installed Sump Depth	0.0 in +	0 mm +	

MEDIA FILTER PERFORMANCE (units = ppm)				
Test Method	Parameter	Precision	Unfiltered	Filtered
EPA 1664	Oil & Grease	5	>1,000	6
EPA 1602	TSS	5	230	10
NWTFPHDX	#2 Diesel Fuel	0.2	910	3.4
NWTFPHDX	Motor Oil	0.4	15,000	3.0
EPA 6020	Chromium	0.001	0.013	0.004
EPA 6010	Copper	0.01	0.08	ND*
EPA 6010	Lead	0.01	0.01	ND*
EPA 6010	Zinc	0.01	2.10	0.85

SYSTEM COMPONENTS	
Part Number	Description
FF.P06.4B.18	6" Ø Stainless Filter Housing, 18" Long
FF.F06.18.B	6" Ø Filter Media Sleeve - Replacement Part
FF.PVC.06.C	6" Ø PVC Female Coupling
FF.PVC.06.S.12	6" Ø PVC Pipe Stub (for installation)
Manufactured in the United States of America	
Other ABT Recommended Components	
FirstFlush - Two Stage Filter with Bypass Capabilities	
PolyDrain - PDX12 Surface Collection Systems	
TrenchFormer - TFX12 Surface Collection Systems	
Permavoid - Water Management & Reuse Systems	



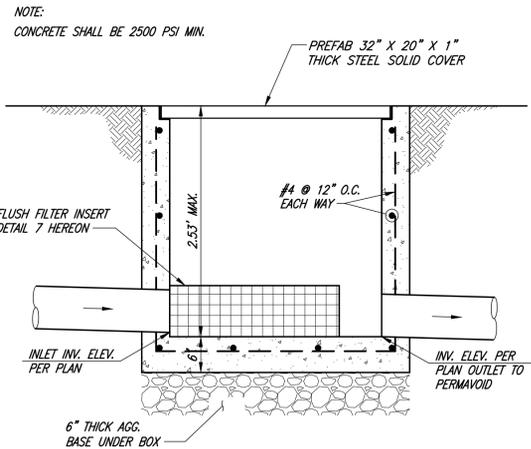
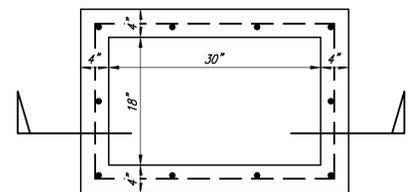
NOTES:
 1. FIRSTFLUSH PVC COUPLINGS MAY BE CAST INTO BASIN CONCRETE. SPACERS ARE SUGGESTED WHEN FILTER MOVEMENT AND/OR ROTATION IS REQUIRED.
 2. FIRSTFLUSH PVC COUPLINGS MAY BE GROUTED IN AFTER PLACEMENT. SPACERS ARE SUGGESTED WHEN FILTER MOVEMENT AND/OR ROTATION IS REQUIRED.

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ABT, INC.
 WATER MATTERS
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 (800) 438-6027
 (704) 626-9000
 www.ABSTDRAINS.com

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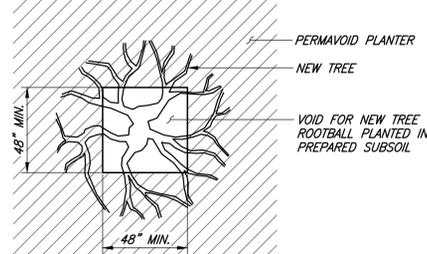
FIRSTFLUSH FILTER INSERT 7



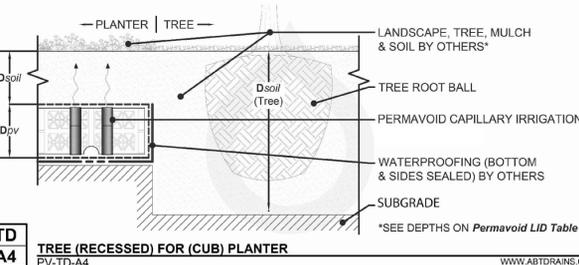
FILTER BOX 8



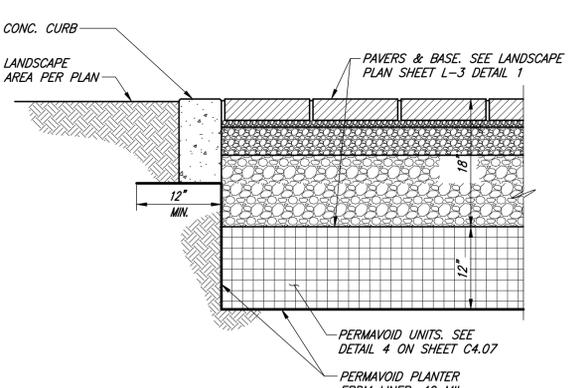
NOTE:
 ADD "NO DUMPING-THIS DRAINS TO OCEAN" STENCIL AT ALL DRAINAGE INLETS.



PERMAVOID NEW TREE PROTECTION 4

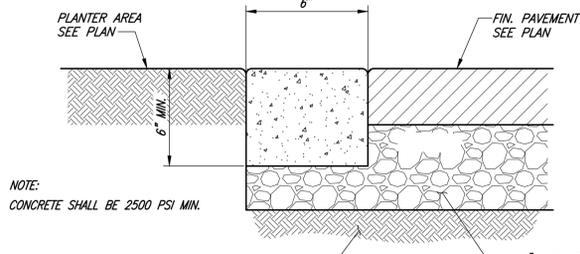


PERMAVOID UNDERNEATH PERMEABLE PAVERS 5



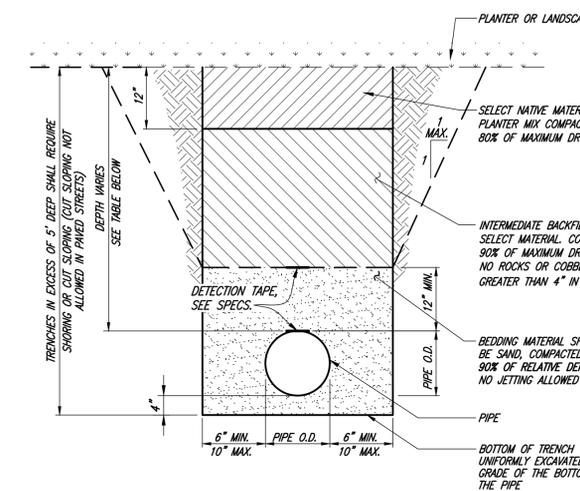
PERMAVOID OUTLET DETAIL 6

PERMAVOID OUTLET DETAIL 6



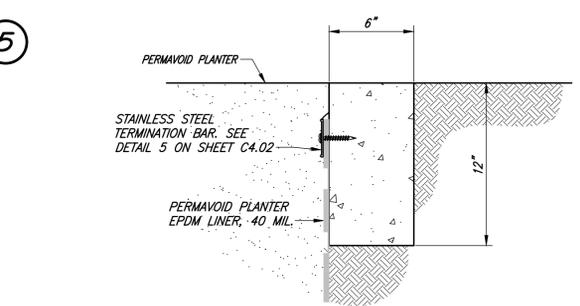
LID PLANTER CURB 3

0" CURB FACE/MOW STRIP 1



UTILITY	MINIMUM DEPTH OF COVER
STORM DRAIN	SEE PLAN FOR DEPTH

TRENCH BACKFILL 2



LID PLANTER CURB 3

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DETAILS

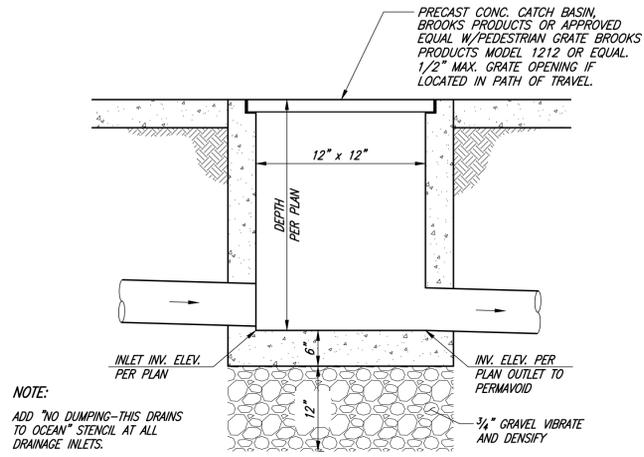


DATE: JULY 3, 2023
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 CHECKED BY: RS
 REVISIONS:

SHEET:

C4.01

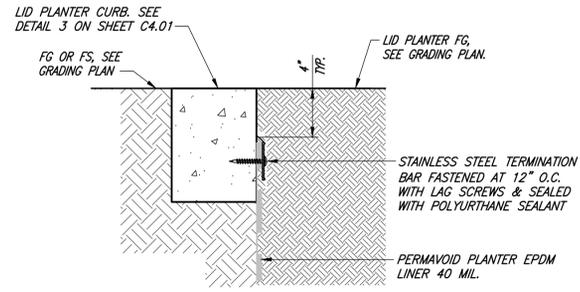
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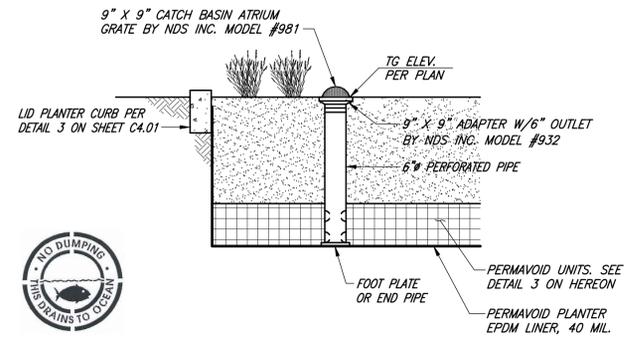
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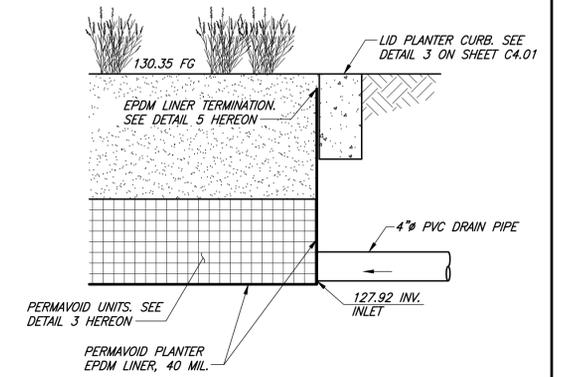
CATCH BASIN
NTS (6)



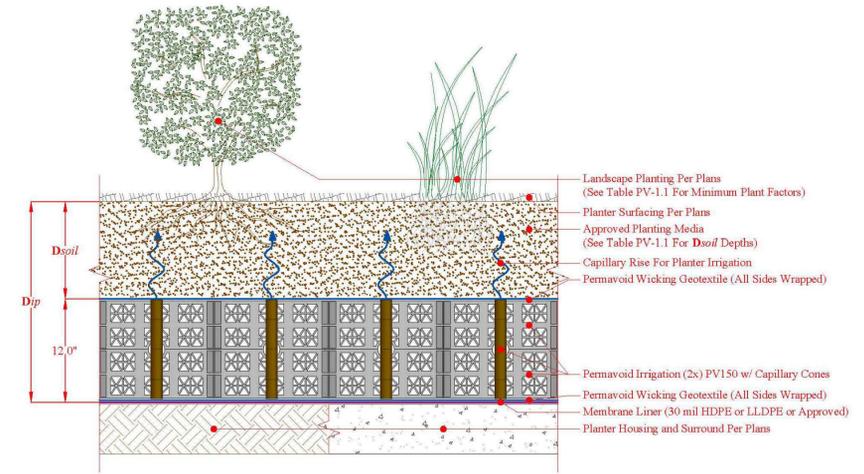
AT LID PLANTER CURB
EPDM LINER TERMINATION
NTS (5)



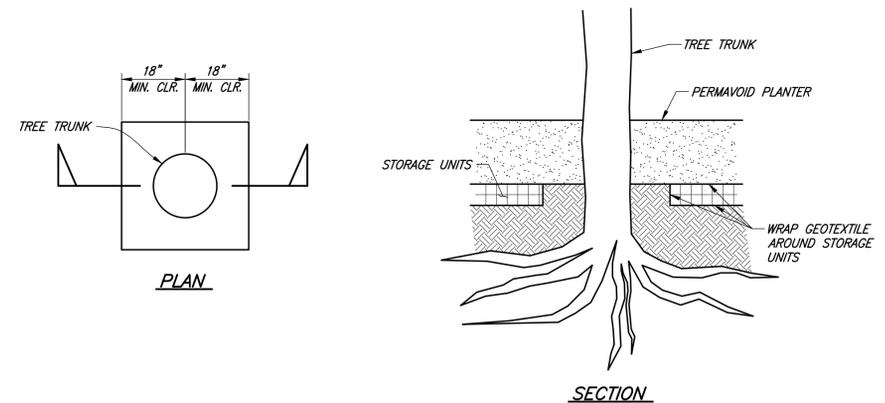
OBSERVATION WELL WITH PLANTER DRAIN
NTS (2)



PVI0C-101
PERMAVOID INLET DETAIL
SCALE: 1" = 1' (1)



PERMAVOID CU PLANTER - PVCU-001-PV150x2 SYSTEM
NTS (3)



TREE PROTECTION
NTS (4)

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Los Angeles, CA

DETAILS



DATE: JULY 3, 2023

DRAWN BY: DS/RS

CHECKED BY: RS

REVISIONS:

SHEET:

C4.02

OF:



STORMWATER BMP(s) VERIFICATION

Upon LADBS Inspector Verification that approved stormwater BMPs are in place, a Stormwater Observation Report (SOR) Form shall be submitted to Department of Public Works, Bureau of Sanitation, 201 N. Figueroa, 3rd floor, station 18.

Project Address: 8703 S. MCKINLEY AVE, LOS ANGELES, CA 90002

RESIDENTIAL (4 UNITS OR LESS, <10,000 SF, <2,500 SF within a ESA)

Item #	Stormwater BMP	Description (Units, total)	Reference Sheet(s)* (Sheet #)
1	Rain Tank(s) - 50 to 129 gal each		
2	Rain Tank(s) - > 130 gal min		
3	Shade Tree - min 15 gal		
4	Flow thru Planter(s)		
5	Permeable pavers / Porous concrete (min 10% open space)	<input type="checkbox"/> Incidental, _____ total SF <input type="checkbox"/> Infiltration, _____ total SF	
6	Rain Garden	<input type="checkbox"/> # _____ - Lined, _____ total SF <input type="checkbox"/> # _____ - Unlined, _____ total SF	
7	Dry Well		
8	SUMP Pump (modification was not required)		

ALL OTHER DEVELOPMENT

(Residential: 5 ≥ units, 10,000 ≥ SF, within a ESA and ≥2,500SF)

Item #	Stormwater BMP	Description (Units, total)	Reference Sheet(s)* (Sheet #)
1	Infiltration Basin / Trench		
2	Dry Well		
3	Permeable pavers / Porous concrete (min 10% open space)	<input type="checkbox"/> Incidental, _____ total SF <input type="checkbox"/> Infiltration, _____ total SF	
4	Permeable CU Planters	(1) CU PLANTER (2,746 SF area, 2,986 CF volume)	C201, 3.01, 4.02-4.04, SHEET 7, L-2
5	Cistern	<input type="checkbox"/> Above Grade <input type="checkbox"/> Below Grade	
6	Flow thru Planter(s)		
7	Biofiltration	<input type="checkbox"/> # _____ - Lined, _____ total SF <input type="checkbox"/> # _____ - Unlined, _____ total SF	
8	Vegetative Swale / Filter Strip		
9	Catch Basin Filter(s)		
10	Trench Drain Filter(s)		
11	Inlet Structure Sediment Trap	1 unit	BPERMIT SHEET 3, C3.01
12	SUMP Pump (modification was not required)		

* At a minimum: Site Plan, Architectural Elevations, Roof Plan, Civil Sheets and Detail

STORMWATER OBSERVATION REPORT FORM
(Residential ≥ 5 units & All other Development)



LOW IMPACT DEVELOPMENT

IN THE EVENT THAT THE APPROVED STORMWATER BMP CANNOT BE BUILT PER PLANS (OR ANY MODIFICATION), CONSULT WITH BUREAU OF SANITATION STAFF PRIOR TO ANY PLAN MODIFICATIONS. FAILURE TO DO SO MAY DELAY OBTAINING A FINAL APPROVAL AND CERTIFICATE OF OCCUPANCY (C OF O).

STORMWATER OBSERVATION means the visual observation of the stormwater related Best Management Practices (BMPs) for conformance with the approved LID Plan at significant construction stages and at completion of the project. Stormwater observation does not include or waive the responsibility for the inspections required by Section 108 or other sections of the City of Los Angeles Building Code.

STORMWATER OBSERVATION must be performed by the engineer or architect responsible for the approved LID Plan or designated staff in their employment. As part of the observation, provide photos of the BMPs taken during various construction phases.

STORMWATER OBSERVATION REPORT must be signed and stamped (see below) by the engineer or architect responsible for the approved LID Plan and submitted to the city prior to the issuance to the certificate of occupancy. PRIOR TO CERTIFICATE OF OCCUPANCY (C OF O), SOR FORM, PRINTED PHOTOS OF THE BMPs TAKEN DURING VARIOUS CONSTRUCTION PHASES AND APPROVED STAMPED PLANS BY THE BUREAU OF SANITATION MUST BE SUBMITTED TO THE PUBLIC COUNTER FOR STAFF APPROVAL.

Project Address: 8703 S. MCKINLEY AVE LOS ANGELES, CA 90002	Building Permit No.: 22020 - 10000 - 00841
Name of Engineer/Architect responsible for the approved LID Plan: BARBARA L. HALL, P.E.	Phone Number: (626) 256-3220

List all BMPs installed as part of the project: Coordinates of the most significant (or typical) BMPs:

BMP Type: CAPTURE & USE # of units: 1	BMP Type: _____ # of units: _____
Lat: 33.958479 ; Long: -118.260903	Lat: _____ ; Long: _____
Ex: Lat: 34.04152; Long: -118.25962 (5 sig digits)	
BMP Type: _____ # of units: _____	BMP Type: _____ # of units: _____
Lat: _____ ; Long: _____	Lat: _____ ; Long: _____

I DECLARE THAT THE FOLLOWING STATEMENTS ARE TRUE TO THE BEST OF MY KNOWLEDGE:

- I am the engineer or architect responsible for the approved LID Plan, and;
- I, or designated staff under my responsible charge, has preformed the required site visits at each significant construction stage and at the completion to verify that the Best Management Practices (BMPs) as shown on approved plans have been constructed and installed in accordance with the approved LID Plan.

Wet Stamp of Engineer or Architect

Signature _____ Date _____



Los Angeles Low Impact Development
Capture & Use Planter Design Calculations



Project Name: Inell Woods Park (formerly WAYS Park) 87th St. & McKinley Ave.
Project Number: PV322201

Date: 5/3/2023

Planter ID Number:	CU	1
Catchment Area:	Acat	31,413 ft ²
85th Percentile Storm Depth:	D85	0.0817 ft
Soil Depth:	Dsoil	18.0 in.
Soil Available Water:	Wa	0% %
Ponding Depth:	Dpond	0.0 Allowed
Soil Saturated Infiltration Rate:	Ksat	N/A
Safety Factor:	SF	N/A
Time To Fill:	Tf	N/A
Permeavold System Depth:	150x2	11.8 in.
Permeavold Voids:	Vpv	95 %
7-Month Reference Evapotranspiration:	ETo7	21.7 in.
Permeavold Irrigation Efficiency:	IE	0.85

Design Summary		
Planter Area:	Ap	2745 ft ²
Capture & Use Volume:	Vcu	2566.4 ft ³
Biofiltration Volume:	Vbf	N/A
Plant Factor (min.):	PF	0.44
Internal Planter Depth:	Dip	30 in.

Material Requirements		
Permeavold Units:	PV-150	2024 Units
Capillary Cones:	23/160T	2024 Pairs
Wicking Geotextile Length:	Cap. Tex.	318 - 458 ft
Planting Media:	By Others	167.7 CY

Calculate the Design Capture Volume (Vcap):
Vcap = D85 * Acat
Vcap = 0.0817ft * 31412.7ft²
Vcap = 2566.4 ft³

Calculate the Permeavold Capture & Use Depth (Dcu):
Dcu = ((150x2 * Vpv) + (Dsoil * Wa))
Dcu = ((11.8in. * 95%) + (18in. * 0%))
Dcu = 11.22 in. = 0.935 ft

Calculate the Planter Area (Ap):
Ap = 2745 ft²

Calculate the Capture & Use Volume (Vcu):
Vcu = Ap * Dcu
Vcu = 2745 ft² * 0.935ft
Vcu = 2566.4 ft³

Calculate the Minimum Required Plant Factor (PF):
PF = (Vcu * IE) / (ETo7 * Ap)
PF = (2566.4 ft³ * 0.85) / (21.7in. / 12ipf) * 2745 ft²
PF = 0.44

Calculate the 7-Month Estimated Total Water Use (ETWU-7):
ETWU-7 = (ETo7 * Pf) * Ap / IE
ETWU-7 = ((21.7in. / 12ipf) * 0.44 * 2745 ft²) / 0.85
ETWU-7 = 2566.4 ft³

Check the Capture & Use Volume (Vcu) vs. the 7-Month Estimated Total Water Usage (ETWU-7):
Vcu vs. ETWU-7
2566.4 ft³ vs. 2566.4 ft³
2566.4 ft³ = 2566.4 ft³
Vcu = ETWU-7 ✓ - CHECKED



Los Angeles Low Impact Development
BMP Design & Material Summary



Project Number: PV322201
Street Address: Inell Woods Park (formerly WAYS Park) 87th St. & McKinley Ave.
85th Rainfall Depth: 0.98 inches

Date: 5/3/2023
ECD: 0.22

LID BMP	Drainage Area At (ft ²)	Impervious Area AI (%)	Catchment Area Acat (ft ²)	Design Capture Vol. Vcap (ft ³)	Required Planter Area Ap (ft ²)	Capture & Use Volume Vcu (ft ³)	Biofiltration Volume Vbf (ft ³)	Minimum Plant Factor PF	Soil Depth Dsoil (in.)	Ponding Depth Dpond (in.)	Planter Depth Dip (in.)	Material Summary												
												Permeavold Units (Quantity)	Capillary Cones (Quantity)	Wicking Geotext. (Roll-Ft)	Tile Connectors	Shear Connectors	Est. Soil Volume (CY)							
CU-1	44,975	74.8%	31,413	2,566	2,745	2,566	0	0.44	18.0	N/A	30.0	150x2	85x	85HD	PV150	36/90	36/60+24/30	23/160T Pairs	2,024	2,024	458	10,120	338	167.7
Total	44,975	---	31,413	2,566	2,745	2,566	0	---	---	---	---	---	0	0	2,024	0	0	2,024	458	10,120	338	167.7		

Permeavold Los Angeles LID Table 1.1

Permeavold Planter Soil Requirements (non-traffic loading):

- 75% (+/- 5%) by weight shall consist of sand meeting the following:
 - For soil depths of 6 to 12 inches, average particle size shall be 500µm (0.020 in.)
 - For soil depths of 12 to 24 inches, average particle size shall be 300µm (0.012 in.)
- Soils shall have a uniformity coefficient of 4.0 or less.
- Soils shall have less than 10% fines (passing 200 sieve) by weight.
- Soils used for biofiltration shall meet "Attachment H, Biofiltration / Biofiltration Design Criteria" as provided by the California Regional Water Quality Control Board.



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Inell Woods Park
87th Street and
McKinley Avenue
Los Angeles, CA

PERMAVOID
CALCS



DATE: JULY 3, 2023

DRAWN BY: DS/RS

CHECKED BY: RS

REVISIONS:

SHEET:

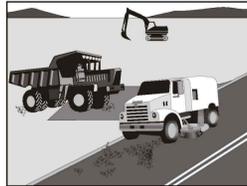
C4.03

OF:

Barbara L. Hall, P.E., Inc.

318 West Evergreen Avenue
Monrovia, CA 91016
Phone: (626) 256-3220
Fax: (626) 256-3218

Street Sweeping and Vacuuming SE-7



Categories	
EC Erosion Control	<input type="checkbox"/>
SE Sediment Control	<input checked="" type="checkbox"/>
TC Tracking Control	<input checked="" type="checkbox"/>
WE Wind Erosion Control	<input type="checkbox"/>
NS Non-Stormwater Management Control	<input type="checkbox"/>
WM Waste Management and Materials Pollution Control	<input type="checkbox"/>
Legend:	
<input checked="" type="checkbox"/> Primary Objective	
<input type="checkbox"/> Secondary Objective	

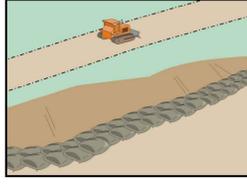
Targeted Constituents	
Sediment	<input checked="" type="checkbox"/>
Nutrients	<input type="checkbox"/>
Trash	<input checked="" type="checkbox"/>
Metals	<input type="checkbox"/>
Bacteria	<input type="checkbox"/>
Oil and Grease	<input checked="" type="checkbox"/>
Organics	<input type="checkbox"/>

Potential Alternatives	
None	

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Sandbag Barrier SE-8



Categories	
EC Erosion Control	<input checked="" type="checkbox"/>
SE Sediment Control	<input checked="" type="checkbox"/>
TC Tracking Control	<input type="checkbox"/>
WE Wind Erosion Control	<input type="checkbox"/>
NS Non-Stormwater Management Control	<input type="checkbox"/>
WM Waste Management and Materials Pollution Control	<input type="checkbox"/>
Legend:	
<input checked="" type="checkbox"/> Primary Objective	
<input type="checkbox"/> Secondary Objective	

Targeted Constituents	
Sediment	<input checked="" type="checkbox"/>
Nutrients	<input type="checkbox"/>
Trash	<input type="checkbox"/>
Metals	<input type="checkbox"/>
Bacteria	<input type="checkbox"/>
Oil and Grease	<input type="checkbox"/>
Organics	<input type="checkbox"/>

Potential Alternatives	
SE-18 Fence	
SE-4 Fiber Rolls	
SE-4 Gravel Bag Berm	
SE-12 Manufactured Linear Sediment Control	
SE-14 Buffer Bags	

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Storm Drain Inlet Protection SE-10



Categories	
EC Erosion Control	<input type="checkbox"/>
SE Sediment Control	<input checked="" type="checkbox"/>
TC Tracking Control	<input type="checkbox"/>
WE Wind Erosion Control	<input type="checkbox"/>
NS Non-Stormwater Management Control	<input type="checkbox"/>
WM Waste Management and Materials Pollution Control	<input type="checkbox"/>
Legend:	
<input type="checkbox"/> Primary Objective	
<input type="checkbox"/> Secondary Objective	

Targeted Constituents	
Sediment	<input checked="" type="checkbox"/>
Nutrients	<input type="checkbox"/>
Trash	<input checked="" type="checkbox"/>
Metals	<input type="checkbox"/>
Bacteria	<input type="checkbox"/>
Oil and Grease	<input type="checkbox"/>
Organics	<input type="checkbox"/>

Potential Alternatives	
SE-12 Fence	
SE-4 Fiber Rolls	
SE-4 Gravel Bag Berm	
SE-8 Sandbag Barrier	
SE-14 Buffer Bags	
SE-13 Compost Socks and Berms	

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Material Delivery and Storage WM-1



Categories	
EC Erosion Control	<input type="checkbox"/>
SE Sediment Control	<input type="checkbox"/>
TC Tracking Control	<input type="checkbox"/>
WE Wind Erosion Control	<input type="checkbox"/>
NS Non-Stormwater Management Control	<input type="checkbox"/>
WM Waste Management and Materials Pollution Control	<input checked="" type="checkbox"/>
Legend:	
<input checked="" type="checkbox"/> Primary Objective	
<input type="checkbox"/> Secondary Objective	

Targeted Constituents	
Sediment	<input type="checkbox"/>
Nutrients	<input type="checkbox"/>
Trash	<input type="checkbox"/>
Metals	<input type="checkbox"/>
Bacteria	<input type="checkbox"/>
Oil and Grease	<input type="checkbox"/>
Organics	<input type="checkbox"/>

Potential Alternatives	
None	

Description and Purpose
Prevent, reduce, or eliminate the discharge of pollutants from material delivery and storage to the stormwater system or watercourses by maintaining the storage of hazardous materials onsite, storing materials in watertight containers and/or a completely enclosed designated area, installing secondary containment, conducting regular inspections, and training employees and subcontractors.

Suitable Applications
These procedures are suitable for use at all construction sites with delivery and storage of the following materials:

- Soil stabilizers and binders
- Pesticides and herbicides
- Fertilizers
- Detergents
- Plaster
- Petroleum products such as fuel, oil, and grease



Sanitary/Septic Waste Management WM-9



Categories	
EC Erosion Control	<input type="checkbox"/>
SE Sediment Control	<input type="checkbox"/>
TC Tracking Control	<input type="checkbox"/>
WE Wind Erosion Control	<input type="checkbox"/>
NS Non-Stormwater Management Control	<input type="checkbox"/>
WM Waste Management and Materials Pollution Control	<input checked="" type="checkbox"/>
Legend:	
<input type="checkbox"/> Primary Objective	
<input type="checkbox"/> Secondary Objective	

Targeted Constituents	
Sediment	<input type="checkbox"/>
Nutrients	<input type="checkbox"/>
Trash	<input type="checkbox"/>
Metals	<input type="checkbox"/>
Bacteria	<input checked="" type="checkbox"/>
Oil and Grease	<input type="checkbox"/>
Organics	<input checked="" type="checkbox"/>

Potential Alternatives	
None	

Description and Purpose
Proper sanitary and septic waste management prevents the discharge of pollutants to stormwater from sanitary and septic waste by providing convenient, well-maintained facilities, and arranging for regular service and disposal.

Suitable Applications
Sanitary septic waste management practices are suitable for use at all construction sites that use temporary or portable sanitary and septic waste systems.

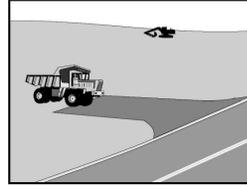
Limitations
None identified.

Implementation
Sanitary or septic wastes should be treated or disposed of in accordance with state and local requirements. In many cases, one contract with a local facility supplier will be all that it takes to make sure sanitary wastes are properly disposed.

Storage and Disposal Procedures
• Temporary sanitary facilities should be located away from drainage facilities, watercourses, and from traffic circulation. If site conditions allow, place portable facilities a minimum of 50 feet from drainage conveyances and traffic areas. When subjected to high winds or risk of high winds, temporary sanitary facilities should be secured to prevent overturning.



Stabilized Construction Entrance/Exit TC-1



Categories	
EC Erosion Control	<input checked="" type="checkbox"/>
SE Sediment Control	<input checked="" type="checkbox"/>
TC Tracking Control	<input checked="" type="checkbox"/>
WE Wind Erosion Control	<input type="checkbox"/>
NS Non-Stormwater Management Control	<input type="checkbox"/>
WM Waste Management and Materials Pollution Control	<input type="checkbox"/>
Legend:	
<input checked="" type="checkbox"/> Primary Objective	
<input type="checkbox"/> Secondary Objective	

Targeted Constituents	
Sediment	<input checked="" type="checkbox"/>
Nutrients	<input type="checkbox"/>
Trash	<input checked="" type="checkbox"/>
Metals	<input type="checkbox"/>
Bacteria	<input type="checkbox"/>
Oil and Grease	<input type="checkbox"/>
Organics	<input type="checkbox"/>

Potential Alternatives	
None	

Description and Purpose
A stabilized construction access is defined by a point of entrance/exit to a construction site that is stabilized to reduce the tracking of mud and dirt onto public roads by construction vehicles.

- Suitable Applications**
Use at construction sites:
- Where dirt or mud can be tracked onto public roads.
 - Adjacent to water bodies.
 - Where poor soils are encountered.
 - Where dust is a problem during dry weather conditions.

Limitations
• Entrances and exits require periodic top dressing with additional stones.

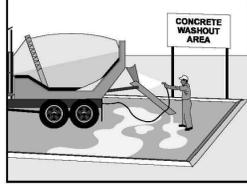
• This BMP should be used in conjunction with street sweeping on adjacent public right of way.

• Entrances and exits should be constructed on level ground only.

• Stabilized construction entrances are rather expensive to construct and when a wash rack is included, a sediment trap of some kind must also be provided to collect wash water runoff.



Concrete Waste Management WM-8



Categories	
EC Erosion Control	<input type="checkbox"/>
SE Sediment Control	<input type="checkbox"/>
TC Tracking Control	<input type="checkbox"/>
WE Wind Erosion Control	<input type="checkbox"/>
NS Non-Stormwater Management Control	<input type="checkbox"/>
WM Waste Management and Materials Pollution Control	<input checked="" type="checkbox"/>
Legend:	
<input type="checkbox"/> Primary Objective	
<input type="checkbox"/> Secondary Objective	

Targeted Constituents	
Sediment	<input checked="" type="checkbox"/>
Nutrients	<input type="checkbox"/>
Trash	<input type="checkbox"/>
Metals	<input checked="" type="checkbox"/>
Bacteria	<input type="checkbox"/>
Oil and Grease	<input type="checkbox"/>
Organics	<input type="checkbox"/>

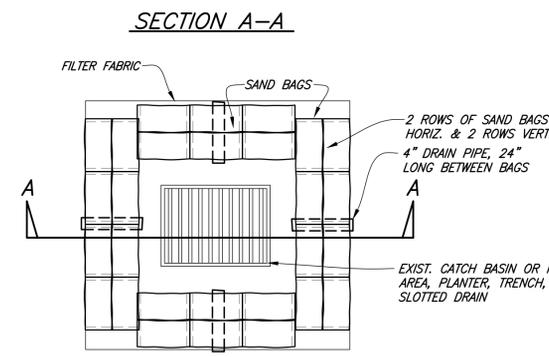
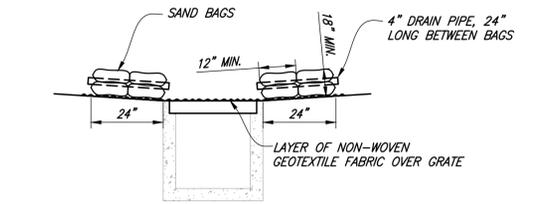
Potential Alternatives	
None	

Description and Purpose
Prevent the discharge of pollutants to stormwater from concrete waste by conducting washout onsite or offsite in a designated area, and by employee and subcontractor training.

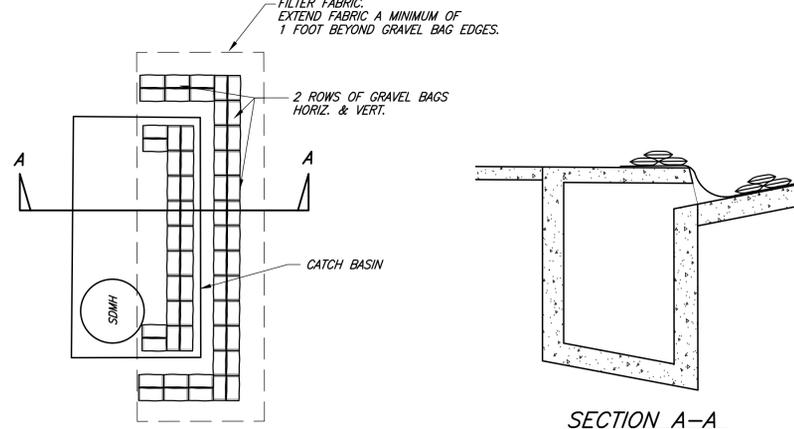
The General Permit incorporates Numeric Action Levels (NAL) for pH (see Section 2 of this handbook to determine your project's risk level and if you are subject to these requirements).

Many types of construction materials, including mortar, concrete, stucco, cement and block and their associated wastes have basic chemical properties that can raise pH levels outside of the permitted range. Additional care should be taken when managing these materials to prevent them from coming into contact with stormwater flows and raising pH to levels outside the accepted range.

- Suitable Applications**
Concrete waste management procedures and practices are implemented on construction projects where:
- Concrete is used as a construction material or where concrete dust and debris result from demolition activities.
 - Slurries containing portland cement concrete (PCC) are generated, such as from saw cutting, coring, grinding, grooving, and hydro-concrete demolition.
 - Concrete trucks and other concrete-coated equipment are washed onsite.



SECTION A-A
TYPE 1
STORM DRAIN INLET PROTECTION
NTS



PLAN
SECTION A-A
TYPE 2
STORM DRAIN INLET PROTECTION
NTS



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Los Angeles, CA

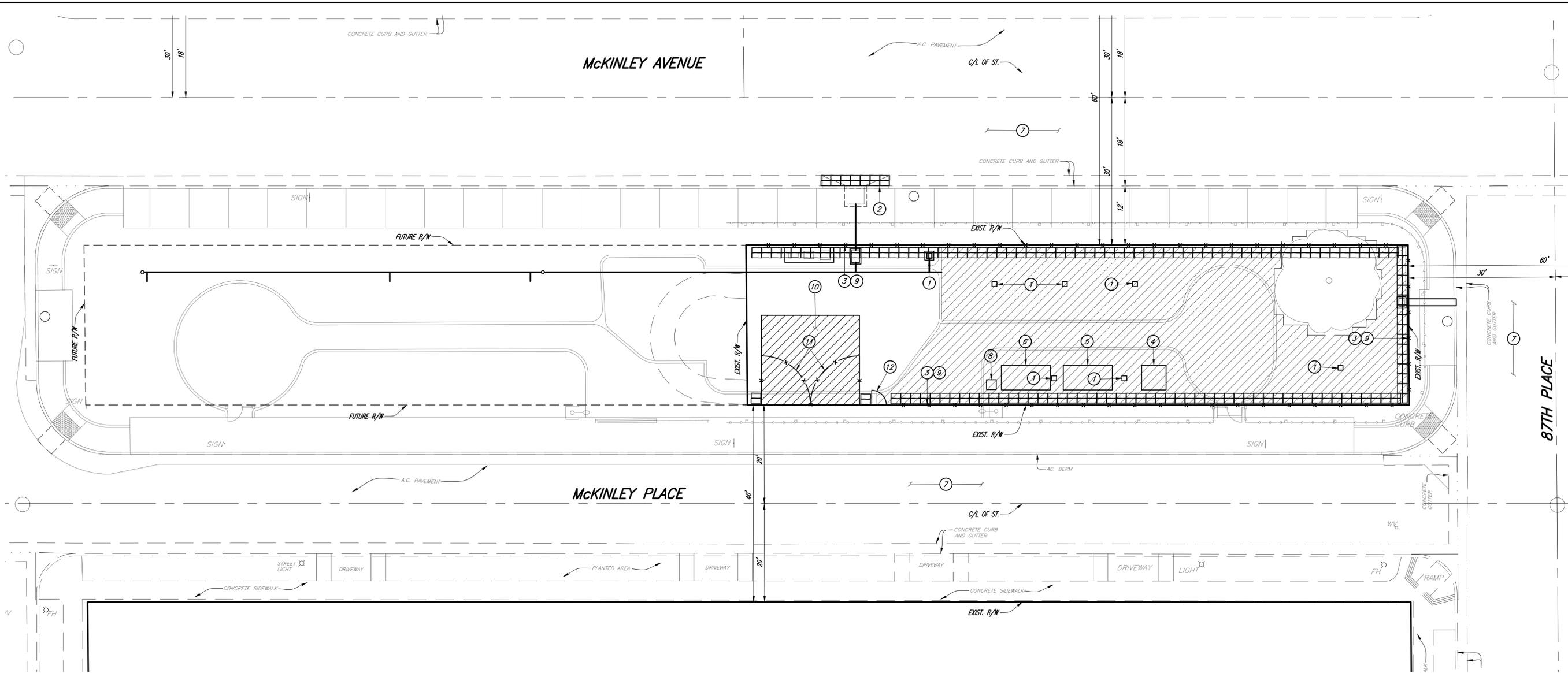
SWPPP
NOTES



DATE: JULY 3, 2023
DRAWN BY: DS/RS
CHECKED BY: RS
REVISIONS:

SHEET:
C5.01
OF:

Barbara L. Hall, P.E., Inc.
318 West Evergreen Avenue
Monrovia, CA 91016
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Fax: (626) 256-3218



SWPPP CONSTRUCTION NOTES:

- 1 CONSTRUCT STORM DRAIN INLET PROTECTION TYPE 1 PER DETAIL 1 ON SHEET C5.01 AND BMP SE-10.
- 2 CONSTRUCT STORM DRAIN INLET PROTECTION TYPE 2 PER DETAIL 2 ON SHEET C5.01 AND BMP SE-10.
- 3 PLACE SANDBAGS 2 ROWS HIGH, 2 BAGS WIDE (3 BAGS IN A PYRAMID) DURING GRADING OPERATIONS PER BMP SE-8. CONTRACTOR TO RELOCATE AS NEEDED. CONTRACTOR MAY USE SILT FENCE IN LIEU OF SAND BAG BARRIER AROUND THE PERIMETER.
- 4 LOCATION OF CONCRETE TRUCK WASH OUT AREA. LINE BASIN WITH PLASTIC SHEETING AND SAND BAGS TO CONTAIN SLURRY. PROVIDE WOODEN CONTAINERS OR EQUAL FOR PLACEMENT OF EXCESS CONCRETE UNTIL DRY FOR DISPOSAL AS SOLID WASTE PER BMP WM-8. CONTRACTOR TO RELOCATE AS NEEDED.
- 5 LOCATION OF COVERED DUMPSTER FOR DEMOLITION/CONSTRUCTION DEBRIS. EMPTY WEEKLY AT A MINIMUM PER BMP WM-5. CONTRACTOR TO RELOCATE AS NEEDED.
- 6 LOCATION OF MATERIALS STORAGE AREA PER BMP WM-1. CONTRACTOR TO RELOCATE AS NEEDED.
- 7 STREET SWEEPING AS NEEDED PER BMP SE-7.
- 8 LOCATION OF PORTABLE TOILETS PER BMP WM-9. CONTRACTOR TO RELOCATE AS NEEDED.
- 9 CONSTRUCT 6 FEET HIGH PERIMETER FENCE. INSTALL FABRIC SCREEN MATERIAL ON FENCING.
- 10 CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE PER BMP TC-1.
- 11 CONSTRUCT TWO 6 FEET HIGH BY 10 FEET WIDE CHAIN LINK FENCE GATE. INSTALL FABRIC MATERIAL ON GATES.
- 12 CONSTRUCT 6 FEET HIGH BY 3 FEET WIDE CHAIN LINK FENCE GATE. INSTALL FABRIC MATERIAL ON GATES.



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 Fax: (626) 256-3218



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Inell Woods Park
 87th Street and
 McKinley Avenue
 Los Angeles, CA

**SWPPP/
 EROSION
 CONTROL
 PLAN**



DATE: JULY 3, 2023

DRAWN BY: DS/RS

CHECKED BY: RS

REVISIONS:

SHEET:

C5.02

OF:

NOTICE TO CONTRACTORS

- SPECIFICATIONS: ALL WORK SHALL CONFORM TO THE LATEST EDITION AND SUPPLEMENTS OF "THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION" (GREENBOOK), AND THE CORRESPONDING "ADDITIONS AND AMENDMENTS TO THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION" (BROWN BOOK).
- THIS IMPROVEMENT CONSISTS OF WORK CALLED FOR ONLY ON THIS PLAN.
- STANDARD PLANS FOR THIS PROJECT:
CITY OF LOS ANGELES
S-164-0 TERMINAL CLEANOUT
S-311-0 WARPED GUTTER AT CATCH BASINS
S-351-1 SIDE OPENING CATCH BASINS
S-410-2 TYPES OF CURB AND GUTTER
S-431-0 JOINTS IN CONCRETE SIDEWALKS
S-440-4 DRIVEWAYS
S-442-6 CURB RAMPS
S-444-0 SIDEWALKS
S-486-0 INTERLOCKING PAVERS FOR PEDESTRIAN ALLEYS
S-627-0 SYMBOLS FOR CONSTRUCTION NOTES
S-791-1 ADVANCE CONSTRUCTION NOTICE SIGNS
- INSPECTION: ALL WORK AND MATERIALS SHALL BE INSPECTED BY THE INSPECTOR OF PUBLIC WORKS DURING CONSTRUCTION PURSUANT TO LATEST EDITION OF STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (GREENBOOK) AS AMENDED BY THE CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS "BROWN BOOK", AND THE STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION AS APPLICABLE. CALL (213) 485-5080 BEFORE NOON OF THE WORKING DAY BEFORE THE FIRST SCHEDULED DAY OF CONSTRUCTION. PRIOR TO THE START OF ANY CONSTRUCTION, DEMOLITION, REMOVALS, SAWCUTTING, OR INSTALLATION OF TRAFFIC CONTROL THE CONTRACTOR SHALL MEET WITH THE INSPECTOR TO DISCUSS SAFETY, TRAFFIC CONTROL REQUIREMENTS, PUBLIC ACCESS, CONSTRUCTION IMPACT MITIGATION, REMOVAL LIMITS, AND CONTRACTOR'S PLANNED SEQUENCING OF OPERATIONS. PRIOR TO OR AT THE PROJECT PRECONSTRUCTION MEETING THE PERMITTEE OR ITS CONTRACTOR SHALL PROVIDE THE INSPECTOR TWO SETS OF FULL-SIZE PLANS AND MAINTAIN ONE SET OF FULL-SIZE PLANS AT THE SITE DURING CONSTRUCTION. INDEXED PLANS ARE AVAILABLE FROM THE CITY'S WEBSITE AT HTTP://ENGVault.LACITY.ORG.
- THE CONTRACTOR, IN CONFORMANCE WITH LOS ANGELES CITY ORDINANCE NO. 150,478 SHALL POTHOLE EXISTING SUBSURFACE INSTALLATIONS CARRYING UNSTABLE SUBSTANCES TO DETERMINE THEIR LOCATIONS AND ELEVATIONS BEFORE COMMENCING EXCAVATION.
- UNDERGROUND SERVICE ALERT: BEFORE COMMENCING ANY EXCAVATION, THE CONTRACTOR SHALL OBTAIN AN UNDERGROUND SERVICE ALERT (USA) INQUIRY I.D. NUMBER BY CALLING (800) 227-2600. TWO WORKING DAYS SHALL BE ALLOWED AFTER THE I.D. NUMBER IS OBTAINED AND BEFORE THE CONTRACTOR STARTS THE EXCAVATION WORK SO THAT UTILITY OWNERS CAN BE NOTIFIED. IF THE UTILITY OWNER IS THE CITY OF LOS ANGELES, A CONFIRMATION NUMBER INDICATING THE CITY HAS BEEN NOTIFIED SHALL BE OBTAINED BY USA AND/OR THE CONTRACTOR FROM THE APPROPRIATE CITY DEPARTMENT. THE I.D. NUMBER TOGETHER WITH THE DATE ACQUIRED SHALL BE REPORTED TO THE BUREAU OF CONTRACT ADMINISTRATION WHEN CALLING FOR INSPECTION. I.D. NUMBERS WILL NOT BE GIVEN MORE THAN 10 DAYS BEFORE STARTING EXCAVATION WORK.
- AT LEAST THIRTY (30) DAYS BEFORE THE START OF CONSTRUCTION THE CONTRACTOR/ENGINEER SHALL CONTACT THE BUREAU OF STREET SERVICES, COORDINATING SECTION AT (213) 847-3200 TO VERIFY THAT THERE IS NO PROPOSED PROJECT IN THIS AREA.
- NOTIFICATION: AT LEAST TEN (10) DAYS BEFORE THE START OF CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY, IN WRITING, ABUTTING PROPERTY OCCUPANTS OF THE PROPOSED CONSTRUCTION START DATE. A COPY OF SAID WRITTEN NOTIFICATION SHALL BE PROVIDED TO THE PUBLIC WORKS INSPECTOR FOR APPROVAL BEFORE THEY ARE DISTRIBUTED TO THE OCCUPANTS OF THE ABUTTING PROPERTY.
- ADVANCE CONSTRUCTION NOTICE SIGNS: IN ADDITION TO SIGNS REQUIRED BY THE PROVISIONS OF THE "WORK AREA TRAFFIC CONTROL HANDBOOK" (WATCH), LATEST EDITION, FURNISH AND PLACE SIGNS FOR GIVING ADVANCE NOTICE TO MOTORISTS OF TRAFFIC DISRUPTION AS PART OF THIS PROJECT IN ACCORDANCE WITH STANDARD PLAN S-791.
- CUTS OR EXCAVATIONS IN STREETS THAT HAVE BEEN RESURFACED ONE YEAR OR LESS FROM THE DATE OF A PROPOSED CUT OR EXCAVATION ARE PROHIBITED UNLESS THE PERMITTEE RESURFACES THE ENTIRE BLOCK OR INTERSECTION WITHIN WHICH SUCH CUT OR EXCAVATION OCCURS, PER ORDINANCE NO. 171922, 171923, 171924, AND SPECIAL ORDER NO. 06-0807.
- CONSTRUCTION STAKES FOR CURB AND LONGITUDINAL GUTTER, WITH GRADE LESS THAN 0.50%, SHALL BE SET AT 12.5 FEET ON CENTER.
- REMOVALS:
A. REMOVE ALL EXISTING IMPROVEMENTS THAT INTERFERE WITH THE CONSTRUCTION OF THIS PROJECT.
B. ALL UTILITIES SHALL BE REMOVED OR RELOCATED BY OTHERS.
- IN ADDITION TO THE CONSTRUCTION OF PAVEMENT SHOWN HEREON, WORK REQUIRED UNDER THIS PLAN WILL ALSO INCLUDE THE CONSTRUCTION OF PERMANENT TRENCH RESURFACING IN ALL AREAS WHERE UTILITY LINES HAVE BEEN INSTALLED TO SERVE THIS DEVELOPMENT. CONDITIONS OF TRENCH BACKFILL AND RESURFACING SHALL BE AS SPECIFIED ON THE EXCAVATION PERMIT. PAVING OF ROADWAY AREAS SHALL BE WITHHELD UNTIL CONTEMPLATED UTILITY CHANGES OR INSTALLATIONS HAVE BEEN MADE UNDER CITY PERMIT.
- REPAIR AND/OR REPLACE ANY EXISTING BROKEN OR OFF-GRADE PAVEMENT, CONCRETE CURB, GUTTER OR SIDEWALK IMMEDIATELY ADJACENT TO OR WITHIN THE AREA OF THIS IMPROVEMENT SATISFACTORY TO THE CITY ENGINEER.
- SURVEY MONUMENT PRESERVATION IS REQUIRED AND SHALL INCLUDE SUBMITTAL OF PRE AND POST CONSTRUCTION SURVEY MONUMENT TIES TO BOTH HORIZONTAL AND VERTICAL CONTROL POINTS PUBLISHED IN THE LOS ANGELES CITY ENGINEER FIELD BOOKS AND PRECISE BENCHMARK BOOKS. THIS DOES NOT RELIEVE THE CONTRACTOR OF FULFILLING ANY ADDITIONAL REQUIREMENTS SET FORTH BY SECTIONS 2-9.1 AND 2-9.3 OF THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (GREENBOOK AND BROWN BOOK).

- IMPORTANT NOTICE: ALL REQUIRED PUBLIC IMPROVEMENTS MUST BE COMPLETED BEFORE A TEMPORARY CERTIFICATE OF OCCUPANCY OR A CERTIFICATE OF OCCUPANCY WILL BE ISSUED FOR THIS PROJECT PER ORDINANCE NO. 165081.
- TRAFFIC LANE REQUIREMENTS:
MCKINLEY PLACE, 87TH STREET
MAINTAIN ONE LANE OF TRAFFIC IN EACH DIRECTION AT ALL TIMES.
ALLEY
THE STANDARD SPECIFICATIONS ARE SATISFACTORY FOR TRAFFIC REQUIREMENTS. MAINTAIN LOCAL AND EMERGENCY ACCESS AT ALL TIMES.
MAINTAIN LOCAL AND EMERGENCY ACCESS FOR ALLEY.
FOLLOW THE TEMPORARY TRAFFIC CONTROL PROVISIONS OF THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) 2014 EDITION (OR LATEST CITY ADOPTED EDITION) AND THE 2016 "WATCH" MANUAL (OR LATEST CITY ADOPTED EDITION).
TRAFFIC CONTROL DEVICES MAINTENANCE
THE B-PERMITTEE SHALL PAY FOR THE RESTORATION OF ALL OBLITERATED STRIPING AND PAVEMENT MARKINGS AND FOR THE REINSTALLATION OF ALL MISSING, DAMAGED AND NECESSARY TRAFFIC CONTROL DEVICES (I.E., SIGNS, CURB MARKINGS, SPEED HUMPS, STAMPED CROSSWALKS, PARKING METERS, ETC.). THE CONTRACTOR WILL BE REQUIRED TO PHYSICALLY INSTALL SOME OR ALL THE TRAFFIC CONTROL DEVICES TO THE SATISFACTION OF LADOT. THE ENTIRE COST THEREOF SHALL BE BORNE BY THE CONTRACTOR. ALL STRIPING AND PAVEMENT MARKINGS SHALL BE INSTALLED UTILIZING THERMOPLASTIC MATERIALS PER LADOT SPECIFICATIONS. THE CONTRACTOR SHALL CONTACT LADOT'S CITYWIDE INVESTIGATIONS AT (213) 928-9625 PRIOR TO COMMENCING ANY WORK THAT REQUIRES TRAFFIC CONTROL DEVICES MAINTENANCE.
RESTORATION STRIPING AND SIGNING
THE CONTRACTOR SHALL CONTACT THE CENTRAL DISTRICT OFFICE, LADOT AT (213) 972-4990 FOR THE INSTALLATION OR REMOVAL OF NECESSARY TRAFFIC CONTROL DEVICES (I.E., STRIPING REMOVALS AND PARKING SIGNS). THE CONTRACTOR SHALL CONTACT LADOT'S CITYWIDE INVESTIGATIONS AT (213) 928-9625 PRIOR TO COMMENCING OF ANY WORK RELATED TO THE RESTORATION STRIPING AND SIGNING. THE ENTIRE COST THEREOF SHALL BE BORNE BY THE CONTRACTOR OR B-PERMITTEE.
FOR TRAFFIC RELATED QUESTIONS DURING CONSTRUCTION, PLEASE CONTACT LADOT'S CENTRAL DISTRICT OFFICE, AT (213) 972-4990.
- LOCATION OF EXISTING TRAFFIC SIGNAL CONDUIT SHOWN ON THE PLANS IS APPROXIMATE ONLY. CONTRACTOR SHALL DETERMINE IN ADVANCE OF THE WORK THE LOCATION OF TRAFFIC SIGNAL CONDUIT OR OTHER TRAFFIC SIGNAL EQUIPMENT WHICH MAY INTERFERE WITH THE WORK OR WHICH MAY BE DAMAGED BY HIS OPERATIONS.
- NOTIFY METRO BUT OPERATIONS CONTROL SPECIAL EVENTS COORDINATOR AT (213) 922-4632 AND METRO'S STOPS AND ZONES DEPARTMENT AT (213) 922-5190 AT LEAST 30 DAYS IN ADVANCE OF INITIATING CONSTRUCTION ACTIVITIES WHICH WILL AFFECT NORMAL BUS OPERATIONS. OTHER MUNICIPAL BUS OPERATORS MAY ALSO BE IMPACTED AND SHOULD BE INCLUDED IN CONSTRUCTION OUTREACH EFFORTS.
- HOLIDAY SEASON WORK RESTRICTIONS: MCKINLEY AVE, MCKINLEY PL, 87TH ST, 87TH PL. NO WORK WILL BE PERMITTED BETWEEN THE BEGINNING OF THE THANKSGIVING HOLIDAY WEEK AND THE END OF THE FIRST WEEK IN JANUARY OF THE FOLLOWING YEAR. ALL SIDEWALK, TRAFFIC LANES, AND PARKING LANES, INCLUDING THOSE ON ADJOINING SIDE STREETS, SHALL BE CLEAR OF ALL OBSTRUCTIONS AND OPEN TO TRAFFIC DURING THIS PERIOD. THE CONTRACTOR SHALL PROTECT ALL UNCOMPLETED WORK AND TAKE ANY NECESSARY CORRECTIVE ACTIONS TO ALLOW SAFE AND FREE FLOW OF BOTH PEDESTRIAN AND VEHICULAR TRAFFIC DURING THE HOLIDAY SEASON.
- PLACE 6" OF CRUSHED MISCELLANEOUS BASE (CMB) UNDER CONCRETE DRIVEWAYS WITHIN THE STREET DEDICATION AND UNDER CONCRETE SIDEWALK ADJACENT TO THE CURB.
- SIDEWALK FURNITURE:
A. THE CONTRACTOR SHALL CONTACT THE BICYCLE PARKING PROGRAM OF LADOT AT ladot.active@lacity.org FOR REMOVAL OF BIKE RACKS AT LEAST 30 DAYS PRIOR TO THE DESIRED DATE OF REMOVAL/REINSTALLATION. THE CONTRACTOR SHALL ARRANGE AND PAY FOR THE REPLACEMENT OF ALL CITY-OWNED BICYCLE RACKS, CONSISTENT WITH THE HARDWARE STANDARDS AND RACK PLACEMENT STANDARDS STIPULATED IN THE CITY OF LOS ANGELES BICYCLE RACK STANDARD PLAN S-671-2.
B. THE CONTRACTOR SHALL CONTACT THE SENIOR ENFORCEMENT SUPERVISOR OF BUREAU OF STREET SERVICES (BSS) INVESTIGATION AND ENFORCEMENT DIVISION (IED) AT (213) 847-6000 FOR REMOVAL AND REINSTALLATION OF NEWSRACK(S), AT LEAST 10 DAYS PRIOR TO THE DESIRED DATE OF REMOVAL/REINSTALLATION.
C. CITY-OWNED TRANSIT SHELTERS, PUBLIC AMENITY KIOSKS, NEWSSTAND VENDING KIOSKS, AUTOMATED PUBLIC TOILETS, AND AD BUS BENCHES: THE CONTRACTOR SHALL ARRANGE AND PAY FOR THE REMOVAL, STORAGE, RELOCATION, REPLACEMENT, AND/OR RE-INSTALLATION OF ALL TRANSIT SHELTERS, PUBLIC AMENITY KIOSKS (PAKS), NEWSSTAND VENDING KIOSKS (VK'S), AUTOMATED PUBLIC TOILETS (APT'S), AND/OR ADVERTISING BASED BUS BENCHES (AD BUS BENCHES) AND THEIR RELATED APPURTENANCES THAT MAY BE AFFECTED BY CONSTRUCTION ACTIVITIES ASSOCIATED WITH THESE PLANS WHETHER SHOWN AND INDICATED ON THE PLANS OR NOT. TRANSIT SHELTERS, PAK'S, VK'S, AND AD BUS BENCHES ARE THE PROPERTY OF THE CITY OF LOS ANGELES AND MAY ONLY BE REMOVED, RELOCATED, STORED, REPLACED, RE-INSTALLED, AND/OR PURCHASED THROUGH THE CITY'S AUTHORIZED VENDORS.
I. THE CONTRACTOR SHALL CONTACT THE BUREAU OF STREET SERVICES SIDEWALK AND TRANSIT AMENITIES PROGRAM (STAP) AT streetsla.stap@lacity.org TO COORDINATE ANY REQUIRED REMOVAL, RELOCATION, REPLACEMENT, OR RE-INSTALLATION OF ANY TRANSIT AMENITIES BY THE CITY'S TRANSIT FURNITURE PROVIDER. THE CITY'S TRANSIT FURNITURE PROVIDER WILL THEN PREPARE AN INVOICE FOR ITS COSTS TO PERFORM THE REQUESTED WORK AND PRESENT IT DIRECTLY TO THE CONTRACTOR. UPON RECEIPT OF THE CONTRACTOR'S REMITTANCE FOR THE INVOICED COSTS, THE CITY'S TRANSIT FURNITURE PROVIDER WILL SCHEDULE ITS CREWS TO PERFORM THE REQUESTED WORK.
FOR ANY WORK RELATED TO AD BUS BENCHES, THE CONTRACTOR SHALL CONTACT STAP A MINIMUM OF **FOUR (4) WEEKS** IN ADVANCE OF ANTICIPATED START DATE.

FOR ALL OTHER TRANSIT AMENITIES, THE CONTRACTOR SHALL CONTACT STAP A MINIMUM OF **SIX (6) WEEKS** IN ADVANCE OF ANTICIPATED START DATE.

22. SIDEWALK FURNITURE (CONTINUED):

NEITHER THE CITY'S TRANSIT FURNITURE PROVIDER NOR THE CITY SHALL BE RESPONSIBLE FOR ANY DELAYS ASSOCIATED WITH THE CONTRACTOR'S FAILURE TO PROPERLY NOTIFY AND REMIT ITS PAYMENT TO THE CITY'S TRANSIT FURNITURE PROVIDER AS NOTED HEREON.

II. FOR PURCHASE OF ANY NEW TRANSIT AMENITIES, THE CONTRACTOR SHALL CONTACT STAP AT streetsla.stap@lacity.org. STAP WILL COORDINATE THE PURCHASE REQUEST WITH THE CITY'S TRANSIT FURNITURE PROVIDER, WHO WILL DEVELOP AND PROVIDE THE CONTRACTOR WITH AN INVOICE FOR THE REQUESTED NEW TRANSIT FURNITURE. UPON RECEIPT OF THE CONTRACTOR'S REMITTANCE FOR ITS INVOICED COSTS, THE CITY'S TRANSIT FURNITURE PROVIDER WILL BEGIN THE PROCUREMENT PROCESS. THE CONTRACTOR SHALL COORDINATE THE PROCUREMENT AND FABRICATION PROCESS WITH THE CITY'S TRANSIT FURNITURE PROVIDER TO MEET ANY AND ALL ANTICIPATED INSTALLATION MILESTONES AND DATES.

FOR THE PURCHASE OF ANY NEW AD BUS BENCHES, THE CONTRACTOR SHALL CONTACT STAP A MINIMUM OF **THREE (3) MONTHS** IN ADVANCE OF ANTICIPATED START DATE.

FOR THE PURCHASE OF ALL OTHER TRANSIT AMENITIES, THE CONTRACTOR SHALL CONTACT STAP A MINIMUM OF **SIX (6) MONTHS** PRIOR TO THE ANTICIPATED INSTALLATION DATE.

NEITHER THE CITY'S TRANSIT FURNITURE PROVIDER NOR THE CITY SHALL BE RESPONSIBLE FOR ANY INSTALLATION DELAYS ASSOCIATED WITH THE CONTRACTOR'S FAILURE TO PROPERLY COORDINATE, NOTIFY AND/OR REMIT ITS PAYMENT TO THE CITY'S TRANSIT FURNITURE PROVIDER AS NOTED HEREON.

III. THE CONTRACTOR SHALL CONTACT THE CITY'S TRANSIT FURNITURE PROVIDER A MINIMUM OF **TWO (2) WEEKS** PRIOR TO THE CONSTRUCTION OF ANY SIDEWALK AREA THAT IS INTENDED TO RECEIVE A NEW, REPLACEMENT, OR RELOCATED TRANSIT AMENITY THROUGH THE CITY'S TRANSIT FURNITURE PROVIDER TO COORDINATE THE PLACEMENT AND INSTALLATION OF ANY SUB-GRADE FOOTING, ELECTRICAL CONDUIT(S), AND/OR OTHER UTILITY CONNECTION REQUIRED TO FACILITATE THE INSTALLATION OF SUCH CITY TRANSIT FURNITURE.

AS-BUILT NOTES:

1. WHEN THE B-PERMIT PROJECT IS NEARING CONSTRUCTION COMPLETION OR UPON RECEIVING THE STATEMENT OF COMPLETION FROM THE PUBLIC WORKS INSPECTOR'S OFFICE (BUREAU OF CONTRACT ADMINISTRATION), THE CONTRACTOR SHALL:

A. NOTIFY THE B-PERMIT PRIVATE ENGINEER OF RECORD TO PREPARE AND SUBMIT ELECTRONIC AS-BUILT PLANS TO THE CENTRAL DISTRICT B-PERMIT PRIMARY PLAN CHECKER.

B. PROVIDE INTERIM CHANGE ORDERS (ICAs) SIGNED AND APPROVED BY ALL OFFICES TO THE B-PERMIT PRIVATE ENGINEER OF RECORD.

C. UNLESS OTHERWISE INDICATED, THE B-PERMIT PRIVATE ENGINEER OF RECORD IS RESPONSIBLE FOR PREPARING ELECTRONIC AS-BUILT PLANS IN COORDINATION WITH THE CONTRACTOR. ELECTRONIC AS-BUILT PLANS MUST BE PREPARED BASED ON THE CITY ORIGINAL INDEX PLANS AVAILABLE FROM THE CITY BOE'S VAULT: [HTTP://ENGVault.LACITY.ORG](http://engvault.lacity.org). ELECTRONIC AS-BUILT PLANS WITH COPIES OF ALL ICAs (SIGNED & APPROVED BY ALL OFFICES) SHALL BE EMAILED TO THE PRIMARY PLAN CHECKER.

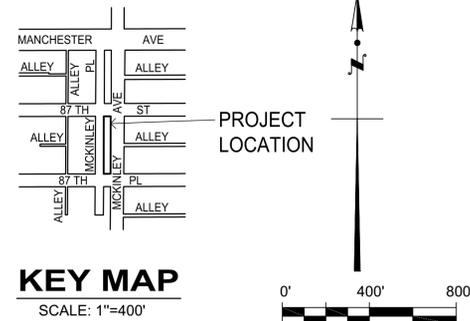
ELECTRONIC AS-BUILT PLAN PROCEDURES CAN BE OBTAINED BY EMAILING THE PRIMARY PLAN CHECKER. PLEASE CONTACT THE FRONT OFFICE STAFF AT (213) 482-7474, OR (213) 482-7483 TO FIND OUT THE B-PERMIT PRIMARY PLAN CHECKER. ELECTRONIC AS-BUILT PLAN PROCEDURES ARE ALSO AVAILABLE FOR PICK UP AT THE CENTRAL DISTRICT B-PERMIT COUNTER OFFICE LOCATED 201 N. FIGUEROA ST., ROOM 770.

2. THE CONTRACTOR SHALL OBTAIN A SEPARATE PROPERTY LINE SEWER CONNECTION PERMIT FROM THE DEPARTMENT OF PUBLIC WORKS SEWER COUNTER, LOCATED AT 201 N. FIGUEROA ST., 3RD FLOOR; (213) 482-7030.

INDEX TO SHEETS

SHT NO.	PLANS OF	FROM	TO
1	TITLE SHEET		
2	SECTIONS		
3	STREETS		
4	McKINLEY AVE.	87TH ST.	87TH PL.
5	McKINLEY PL.	87TH ST.	87TH PL.
6	87TH ST.	McKINLEY AVE.	McKINLEY PL.
7	87TH PL.	McKINLEY AVE.	McKINLEY PL.
7	PARK IMPROVEMENT PLAN		
8-18	LANDSCAPE PLANS		
19-20	STREET LIGHTING		

R-PERMIT REFERENCE #2018000096



BUREAU OF ENGINEERING ENGINEERING CITY OF LOS ANGELES	
DATE: BY:	INDEX NO. BR003792
APPROVALS: DATE BY:	URBAN FORESTRY D.O.T. B.S.S. SURVEY D.S.I.G. CENTRAL
CITY ENGINEER TED ALLEN, P.E. ACCEPTED BY: BUJAN ESKANDARI ZADEH PLAN CHECKER Wesley Tanjiri DIVISION / DISTRICT ENGINEER	DATE 12/18/2023 DATE
VAC-E1401340 PLANS PREPARED BY: Barbara L. Hall, P.E., Inc. 318 West Evergreen Avenue, Monrovia, CA 91016 Phone: (626) 256-3220 Fax: (626) 256-3218 7/3/2023 ENGINEER ARCHITECT SIGNATURE DATE	SHEET TITLE: NOTES, KEY MAP AND SECTION PROJECT: S. MCKINLEY AVENUE (W/S) SW CORNERS OF E. 87TH STREET ADDRESS: 87TH ST. & MCKINLEY AVE. LOS ANGELES, CA 90002
HORIZONTAL CONTROL: SEE PLAN SHEETS FOR CONTROL LINE REFERENCE SHEET NO. 1 DRAWING NO. 1 SHEET 1 OF 20 SHEETS	

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENCIES SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

TREES AND TREE WELLS
23. TREE REMOVAL

PRIOR TO ANY STREET TREE REMOVAL, A TREE REMOVAL PERMIT APPLICATION SHALL BE SUBMITTED TO BSS URBAN FORESTRY DIVISION (BSS/UFD). TREE REMOVAL PERMIT REQUIRES APPROVAL BY THE BOARD OF PUBLIC WORKS WHEN REMOVING THREE OR MORE STREET TREES OR APPROVAL FROM BSS/UFD WHEN REMOVING TWO STREET TREES OR LESS. THE APPLICATION PROCESS, FOR REMOVAL OF THREE OR MORE TREES, MAY TAKE FROM 90 TO 120 DAYS DEPENDING UPON PROJECT COMPLEXITY. IF APPROVED, THE TREE REMOVAL PERMIT SHALL BE AVAILABLE AT THE JOB SITE WHILE TREE WORK IS BEING PERFORMED. IN ACCORDANCE WITH THE LOS ANGELES MUNICIPAL CODE (LAMC) SECTION 62.169, ALL TREES, REGARDLESS OF SPECIES, REQUIRE A TREE REMOVAL PERMIT. DURING THE TREE REMOVAL PERMIT APPLICATION PROCESS, BSS/UFD MAY DETERMINE THAT STREET TREES DO NOT REQUIRE REMOVAL FOR COMPLETION OF THE PROJECT. ALL TREES SHALL BE PROTECTED IN PLACE UNTIL A TREE REMOVAL PERMIT HAS BEEN SECURED.

WARNING TO CONTRACTORS/PERMITTEES: TREE REMOVAL WITHOUT A REMOVAL PERMIT IS A MISDEMEANOR. FAILURE TO DISCLOSE THE EXISTENCE OF A STREET TREE OR OBTAIN A TREE REMOVAL PERMIT PRIOR TO REMOVING ANY TREE MAY RENDER THE PROJECT'S CONSTRUCTION PERMIT VOID, SUBJECT THE CONTRACTOR TO FINES AND PENALTIES AS ALLOWED BY THE LAW, SUBJECT THE PROJECT SCHEDULE TO DELAYS, OR SUBJECT THE CONTRACTOR TO ANY COMBINATION OF THE ABOVE NOTED ENFORCEMENT ACTIONS.

24. TREE PRESERVATION

A. ALL STREET TREES WITHIN THE CONSTRUCTION ZONE SHALL BE PROTECTED FROM DAMAGE THROUGHOUT THE COURSE OF CONSTRUCTION. PRIOR TO ANY EXCAVATION/CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT A TREE PROTECTION PLAN TO THE INSPECTOR OF PUBLIC WORKS OR THEIR ASSIGNED REPRESENTATIVE FOR REVIEW AND ACCEPTANCE. THE PLAN SHALL BE SIGNED BY A REGISTERED CONSULTING ARBORIST AND BE CONSISTENT WITH THE AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) A300 BEST MANAGEMENT PRACTICES. THE PLAN SHALL CLEARLY IDENTIFY THE TREE PROTECTION ZONE USING STANDARD TREE 1/25/2022 910 1/25/2022 CARE INDUSTRY STANDARDS FOR DELINEATION OF THE AREA AND SHALL INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING ELEMENTS:

- 1. TREES TO BE PRESERVED
- 2. SOIL EROSION CONTROL METHODS
- 3. STAGING AND STORAGE AREAS
- 4. UTILITIES
- 5. OTHER ON-SITE ACTIVITIES

THE TREE PROTECTION PLAN SHALL INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING REQUIREMENTS WITHIN THE DESIGNATED TREE PROTECTION ZONE:

- 1. NO STORAGE OF ANY CONSTRUCTION EQUIPMENT OR VEHICLES
- 2. NO STOCKPILING OF BUILDING MATERIALS OR REFUSE/WASTE MATERIAL
- 3. NO OBJECTS OF ANY KIND SHALL BE ATTACHED TO THE EXISTING TREES INCLUDING NAILS, GRADE STAKES, ETC.
- 4. NO EXCESSIVE WATER OR HEAT FROM EQUIPMENT OR UTILITY LINE CONSTRUCTION
- 5. NO EXCESSIVE FLOODING OR EROSION IN OR AROUND THE TREE ROOT SYSTEM RESULTING FROM DEWATERING, WASHING OR OTHER OPERATIONS
- 6. NO DISTURBANCE OF SOIL OR GRADE UNLESS UNDER DIRECTION AND SUPERVISION OF A CERTIFIED ARBORIST AND/OR BSS/UFD.

THE TREE PROTECTION PLAN SHALL BE APPROVED PRIOR TO CONSTRUCTION AND KEPT ON-SITE THROUGHOUT CONSTRUCTION. WARNING TO CONTRACTORS/PERMITTEES: FAILURE TO COMPLY WITH THE CONDITIONS SET FORTH THE APPROVED TREE PROTECTION WILL RESULT IN CITATIONS AND FINES. SUCH PENALTIES WILL SUBJECT THE PROJECT TO UNNECESSARY COSTS, TREE REPLACEMENT AND CONSTRUCTION DELAYS OR ANY COMBINATION OF THE NOTED ENFORCEMENT ACTIONS.

25. TREES AND TREEWELLS:

A. UNLESS OTHERWISE NOTED ON THESE PLANS, TYPE 1 LARGE TREE WELL SIZES SHALL TAKE PRECEDENCE OVER TYPES 2 AND 3 WHERE SITE CONDITIONS ALLOW FOR ITS SIZE TO ACCOMMODATE TREE SPECIES AND REQUIRED PEDESTRIAN ACCESS ROUTE (PAR). TYPE 1 LARGE TREE WELLS SHALL REQUIRE APPROVED PERVIOUS REMOVABLE PANELS AND A REVOCABLE PERMIT, PER LATEST STANDARD PLAN S-450. IF TYPE 1 LARGE TREE WELL SIZES ARE NOT APPLICABLE DUE TO SITE CONSTRAINTS, USE TYPE 2 MEDIUM TREE WELL SIZES AND THEN TYPE 3 SMALL TREE WELL SIZES, IN THAT ORDER. ANY MULCH APPLIED PER LATEST STANDARD PLAN RECOMMENDED TO BE TYPE 1 ORGANIC WOOD CHIP MULCH PER LATEST SSPWC SPECIFICATIONS, SIZE 2" MINUS. REFER TO THE LATEST CITY STANDARD PLAN S SPACING GUIDELINES (450 AND BSS/UFD TREE https://engpermits.lacity.org/bpermits/BOCS/BSS_DOCS/BSS_TREE_SPACIN_LINES.PDF) FOR TREE WELL INSTALLATIONS AND SPACING CLEARANCES/SETBACKS. TREE/TREE WELL SHOULD NOT BE PLACED IN FRONT OF BUILDING ENTRANCES AND EXITS FOR INGRESS AND EGRESS.

B. SIDEWALK/CURB/GUTTER CONSTRUCTION JOINTS SHALL BE LAID OUT AND COORDINATED WITH TREE WELL LOCATIONS PRIOR TO SIDEWALK PLACEMENT IN A MANNER SATISFACTORY TO THE INSPECTOR OF PUBLIC WORKS. TREE WELL LOCATIONS MAY BE ADJUSTED IN THE FIELD LONGITUDINALLY WHERE REQUIRED BY THE INSPECTOR OF PUBLIC PROVIDED IT MEETS ADA ACCESSIBILITY REQUIREMENTS, "TREE SPACING GUIDELINES", AND BSS/UFD'S APPROVAL.

C. THE CONTRACTOR SHALL CONTACT BSS/UFD AT (213) 8473077 AT LEAST FIVE (5) WORKING DAYS PRIOR TO SIDEWALK CONSTRUCTION FOR INSPECTION OF TREE LOCATIONS. THE CONTRACTOR SHALL PROVIDE CURB MARKING S FOR TREE LOCATIONS PER PLAN. BSS/UFD INSPECTOR TO REVIEW AND ACCEPT THE PROPOSED TREE LOCATIONS PRIOR TO ANY SIDEWALK CONSTRUCTION.

TREE AND TREEWELLS (CONTINUED):

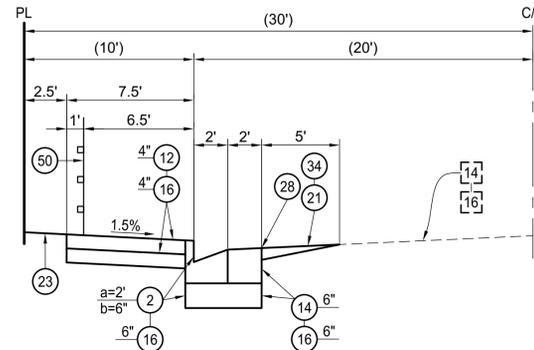
D. WHERE TREE ROOTS ARE ENCOUNTERED DURING NEW SIDEWALK PLACEMENT OR REPAIR, WHICH TRAVERSE WITHIN THE PROPOSED PAVEMENT AND/OR BASE, CONTACT BSS/UFD FOR INSPECTION. PROCEED AS DIRECTED BY BSS WITH ROOT PRUNING, CROWN/CANOPY THINNING (TRIMMING), TREE WELL EXPANSION, REMOVALS, AND/OR OTHER DESIGN MODIFICATIONS. ANY NON STANDARD TREE WELL SIZE RESULTING FROM APPROVED EXPANSION OF EXISTING TREE WELL(S) IS EXEMPTED FROM THE REVOCABLE PERMIT REQUIREMENT. AS PART OF THE BSS INSTRUCTIONS, ROOT PRUNING OR CROWN PRUNING OR BOTH MAY BE REQUIRED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY PERMIT REQUIREMENTS AND ASSOCIATED FEES.

I. IF BSS/UFD REQUIRES ROOT PRUNING IN ORDER TO RETAIN THE TREE(S), A ROOT PRUNING PERMIT SHALL BE ISSUED TO PERMITTEE. ROOT PRUNING SHALL BE PERFORMED PER THE INSTRUCTIONS CONTAINED ON THE ROOT PRUNING PERMIT.

II. IF BSS/UFD REQUIRES TREE CROWN PRUNING IN ADDITION TO ROOT PRUNING, A TREE PRUNING PERMIT SHALL BE ISSUED TO THE PERMITTEE. TREE PRUNING SHALL BE IN COMPLIANCE WITH ANSI A300 GUIDELINES.

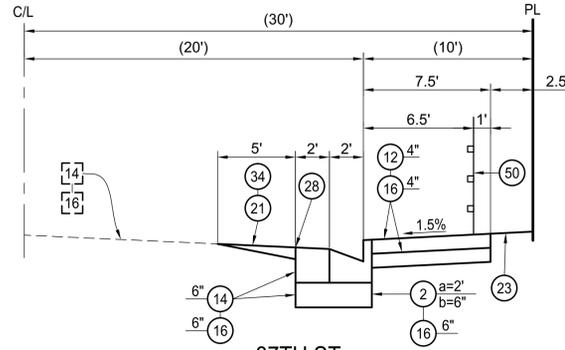
III. COPY OF THE ROOT OR CROWN PRUNING PERMIT SHALL BE AT THE JOB SITE WHILE TREE WORK IS BEING PERFORMED. ROOT OR CROWN PRUNING WITHOUT A PERMIT IS A MISDEMEANOR. SIDEWALK/HARDSCAPE WORK SHALL NOT RECOMMENCE UNTIL FULL COMPLIANCE WITH BSS INSTRUCTIONS IS ACHIEVED.

TYPICAL SECTIONS



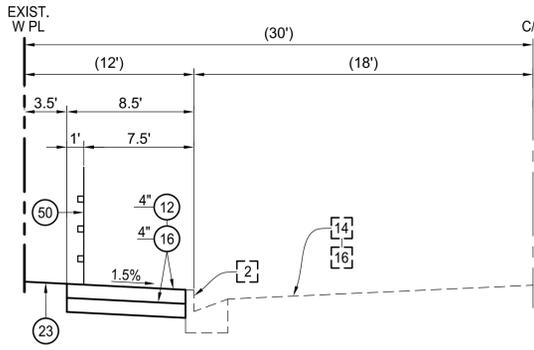
87TH PL.

FROM STA. 0+32.73 TO STA. 0+57.30



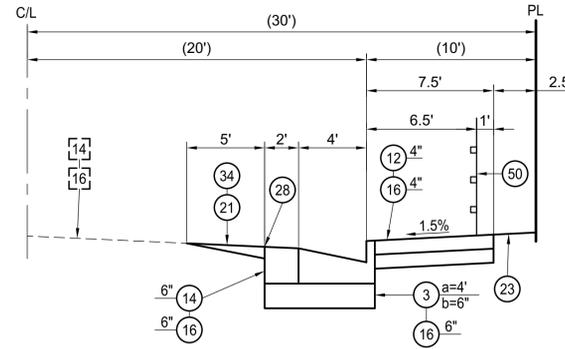
87TH ST.

FROM STA. 0+33.35 TO STA. 0+44.81



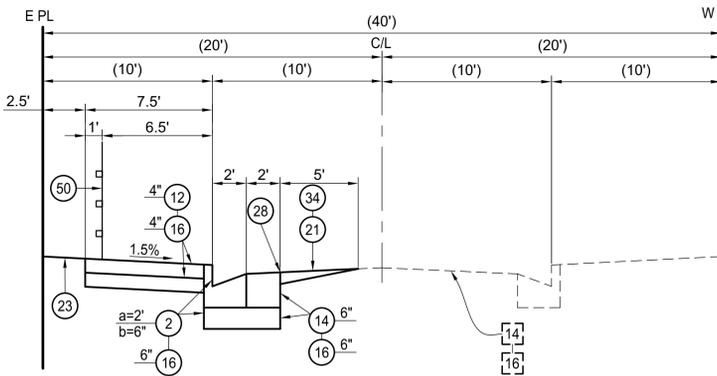
McKINLEY AVE.

FROM STA. 3+15.70 TO STA. 5+75.66



87TH ST.

FROM STA. 3+15.79 TO STA. 0+57.91
SE CORNER OF 87TH ST. & MCKINLEY PL.



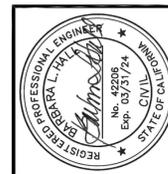
McKINLEY PLACE

FROM STA. 3+15.79 TO STA. 5+75.70

CONSTRUCTION NOTES

- CONSTRUCT
- [] REMODEL EXIST.
- [] EXISTING
- [] ○ REMOVE & CONST.
- REMOVE
- ○ WORK BY OTHERS

- 2. TYPE C INTEGRAL CURB & GUTTER, a=AS NOTED, b=AS NOTED
- 3. TYPE C INTEGRAL CURB & PAVEMENT
- 6. CONCRETE INTERSECTION GUTTER, b=AS NOTED
- 10. CONCRETE DRIVEWAY
- 12. CONCRETE WALK, t=4"
- 13. CURB RAMP, CASE & U AS NOTED.
- 14. ASPHALT CONCRETE PAVEMENT, t=AS NOTED
- 16. UNTREATED BASE MATERIAL, t=AS NOTED
- 21. COLDPLANE (MILL) AC PAVEMENT, t=2" MIN.
- 23. GRADE ONLY
- 28. SAWCUT AND JOIN
- 34. VARIABLE THICKNESS ASPHALT CONCRETE PAVEMENT, t=2" MIN.
- 42. ELECTROLIER
- 47. RELOCATE STREET SIGN
- 48. STREET SIGN
- 49. SITE SOLAR POWERED LIGHT PER REVOCABLE PERMIT REFERENCE 2018000096
- 50. PERIMETER FENCE PER REVOCABLE PERMIT REFERENCE #2018000096
- 52. TREE REMOVAL PERMIT REQUIRED
- 53. PERMEABLE PAVERS
- 54. CROSS GUTTER
- 55. AC BERM
- 57. CONCRETE MOW STRIP PER REVOCABLE PERMIT REFERENCE #2018000096
- 58. GATE PER REVOCABLE PERMIT REFERENCE #2018000096
- 59. GUY WIRE
- 60. CURB-O-LET PRODUCT #CP-SP 317
- 61. CATCH BASIN. BROOKS PRODUCTS #1212 CB WITH 1212 CAST IRON GRATE
- 62. 6"Ø PVC PIPE, SDR 35
- 63. POWER POLE
- 64. FIRE HYDRANT
- 67. CLEANOUT
- 68. UPPER 2' OF EARTH MATERIAL PER SOILS REPORT DATED 6/6/14 & UPDATED REPORT 2/9/22 BG 21906 BY BYER GEOTECHNICAL, INC.
- 69. 2' CERTIFIED COMPACTED FILL PER SOILS REPORT DATED 6/6/14 & UPDATED REPORT 2/9/22 BG 21906 BY BYER GEOTECHNICAL, INC.
- 86. WARPED GUTTER AT CATCH BASIN
- 99. MODIFIED SIDE OPENING CATCH BASIN, W=3.5', V=2', B=3.17'
- 136. SEWER MANHOLE



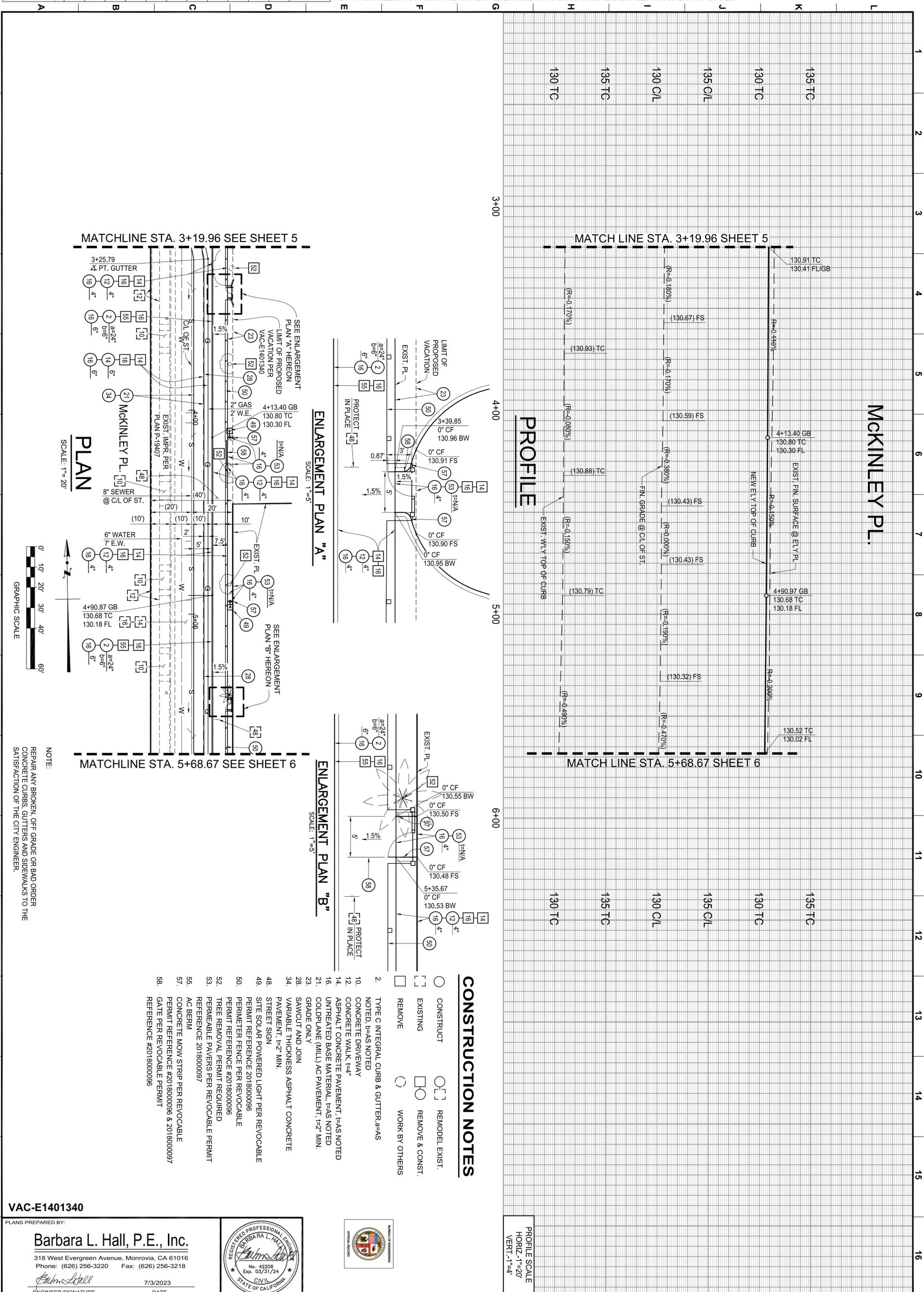
Barbara L. Hall, P.E., Inc.
318 West Evergreen Avenue, Monrovia, CA 61016
Phone: (626) 256-3220 Fax: (626) 256-3218
7/3/2023 DATE
ENGINEER SIGNATURE

REVISION DATES (DESIGN STAGE ONLY)
BUREAU OF ENGINEERING
DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES
ENGINEERING
DATE: BY:
APPROVAL: OFFICE CENTRAL DISTRICT
CHECKED BY: BIJAN ZADEH
SIGNATURE: DATE:
B - PERMITS
INDEX NO. BR003792
P-39333
VAC-E1401340
PLANS PREPARED BY:
SHEET TITLE:
PROJECT: S. McKinley Avenue (W/S) SW CORNERS OF E. 87TH STREET & MCKINLEY AVE.
ADDRESS: 87TH ST. & MCKINLEY AVE. LOS ANGELES, CA
DRAWING NO. 2
SHEET 2 OF 20 SHEETS

Sheet Version 6.0 2/2015

REVISION DATES (DESIGN STAGE ONLY)									

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.



MCKINLEY PL.

PROFILE

ENLARGEMENT PLAN "A"

ENLARGEMENT PLAN "B"

CONSTRUCTION NOTES

- CONSTRUCT
 - ◻ EXISTING
 - REMOVE
 - ◻ WORK BY OTHERS
 - [] REMODEL EXIST.
 - ◻ [] REMOVE & CONST.
2. TYPE C INTEGRAL CURB & GUTTER a=AS NOTED. b=AS NOTED
 10. CONCRETE DRIVEWAY
 12. CONCRETE WALK. f=4"
 14. ASPHALT CONCRETE PAVEMENT. f=AS NOTED
 16. UNTREATED BASE MATERIAL. f=AS NOTED
 21. COLDFLAME (MILL) AC PAVEMENT. f=2" MIN.
 23. GRADE ONLY
 28. SAWCUT AND JOIN
 34. VARIABLE THICKNESS ASPHALT CONCRETE PAVEMENT. f=2" MIN.
 48. STREET SIGN
 49. SITE SOLAR POWERED LIGHT PER REVOCABLE PERMIT REFERENCE #2018000096
 50. PERIMETER FENCE PER REVOCABLE PERMIT REFERENCE #2018000096
 52. TREE REMOVAL PERMIT REQUIRED
 53. PERMEABLE PAVERS PER REVOCABLE PERMIT REFERENCE #2018000097
 55. AC BERM
 57. CONCRETE MOW STRIP PER REVOCABLE PERMIT REFERENCE #2018000096 & #2018000097
 58. GATE PER REVOCABLE PERMIT REFERENCE #2018000096

NOTE:
REPAIR ANY BROKEN OFF GRADE OR BAD ORDER CONCRETE CURBS, GUTTERS AND SIDEWALKS TO THE SATISFACTION OF THE CITY ENGINEER.

VAC-E1401340

PLANS PREPARED BY:
Barbara L. Hall, P.E., Inc.
318 West Evergreen Avenue, Monrovia, CA 61016
Phone: (626) 256-3220 Fax: (626) 256-3218
Barbara L. Hall
ENGINEER SIGNATURE DATE 7/3/2023



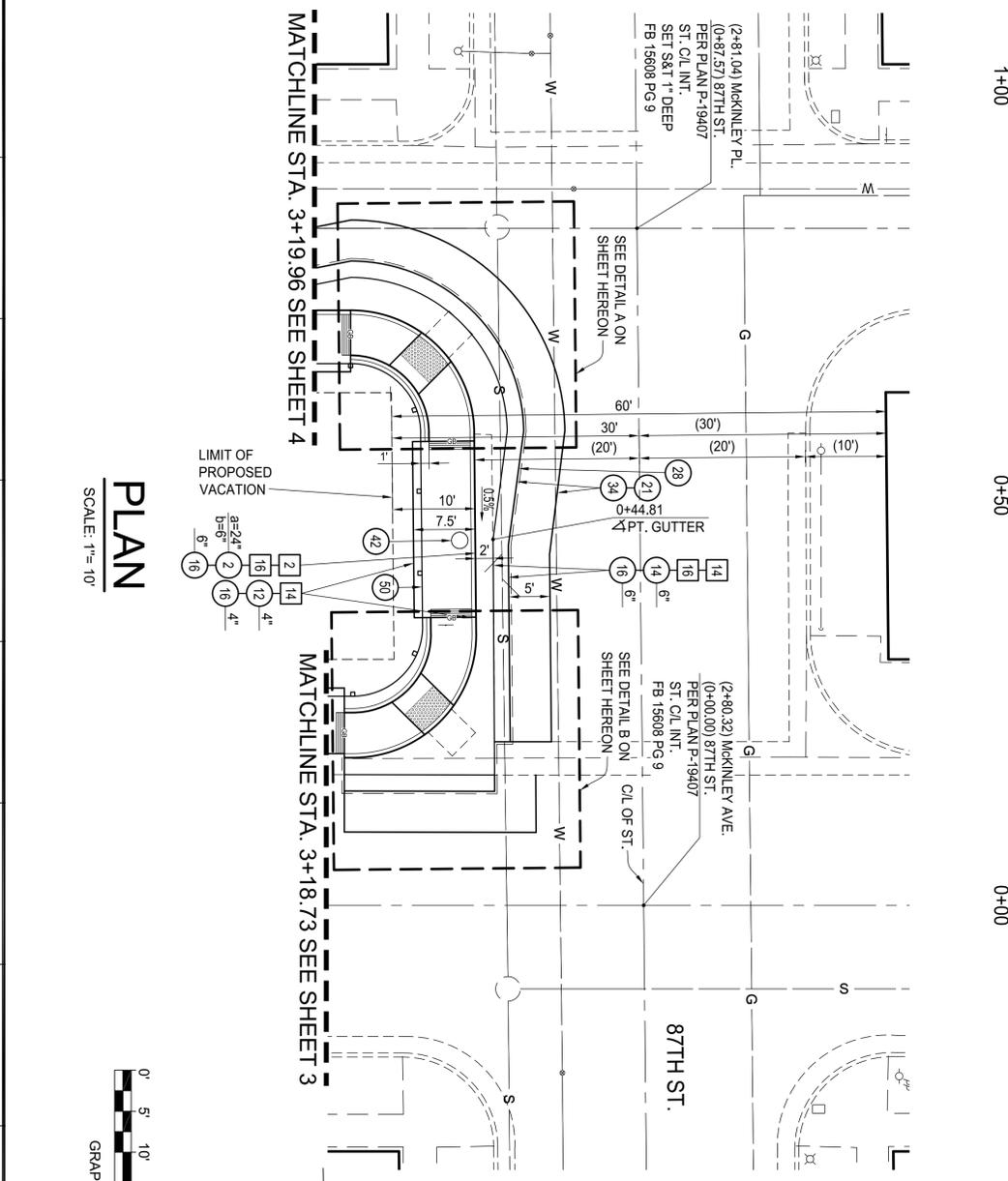
PROFILE SCALE
HORIZ. 1"=20'
VERT. 1"=4'

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING																														
<p>4</p> <p>SHEET 4 OF 20 SHEETS</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;">BARBARA L. HALL, P.E., INC. DESIGN GROUP</td> </tr> <tr> <td>ENGINEER:</td> <td>BARBARA L. HALL</td> </tr> <tr> <td>DESIGNED BY:</td> <td>RANDY SETO</td> </tr> <tr> <td>DRAWN BY:</td> <td>DONALD SETO</td> </tr> <tr> <td>CHECKED BY:</td> <td>RANDY SETO</td> </tr> <tr> <td>APPROVED BY:</td> <td>BARBARA L. HALL</td> </tr> </table> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <tr> <td colspan="2" style="text-align: center;">BUREAU OF ENGINEERING APPROVAL:</td> </tr> <tr> <td>OFFICE: CENTRAL DISTRICT</td> <td>CHECKED BY: BIJAN ZADEH</td> </tr> <tr> <td>SIGNATURE:</td> <td>DATE:</td> </tr> </table> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <tr> <td colspan="2">✓ NO. REVISIONS:</td> <td>DATE: BY:</td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <tr> <td>INDEX NO. P-39333</td> <td>SERIAL NO. B - PERMITS BR003792</td> </tr> </table>	BARBARA L. HALL, P.E., INC. DESIGN GROUP		ENGINEER:	BARBARA L. HALL	DESIGNED BY:	RANDY SETO	DRAWN BY:	DONALD SETO	CHECKED BY:	RANDY SETO	APPROVED BY:	BARBARA L. HALL	BUREAU OF ENGINEERING APPROVAL:		OFFICE: CENTRAL DISTRICT	CHECKED BY: BIJAN ZADEH	SIGNATURE:	DATE:	✓ NO. REVISIONS:		DATE: BY:							INDEX NO. P-39333	SERIAL NO. B - PERMITS BR003792
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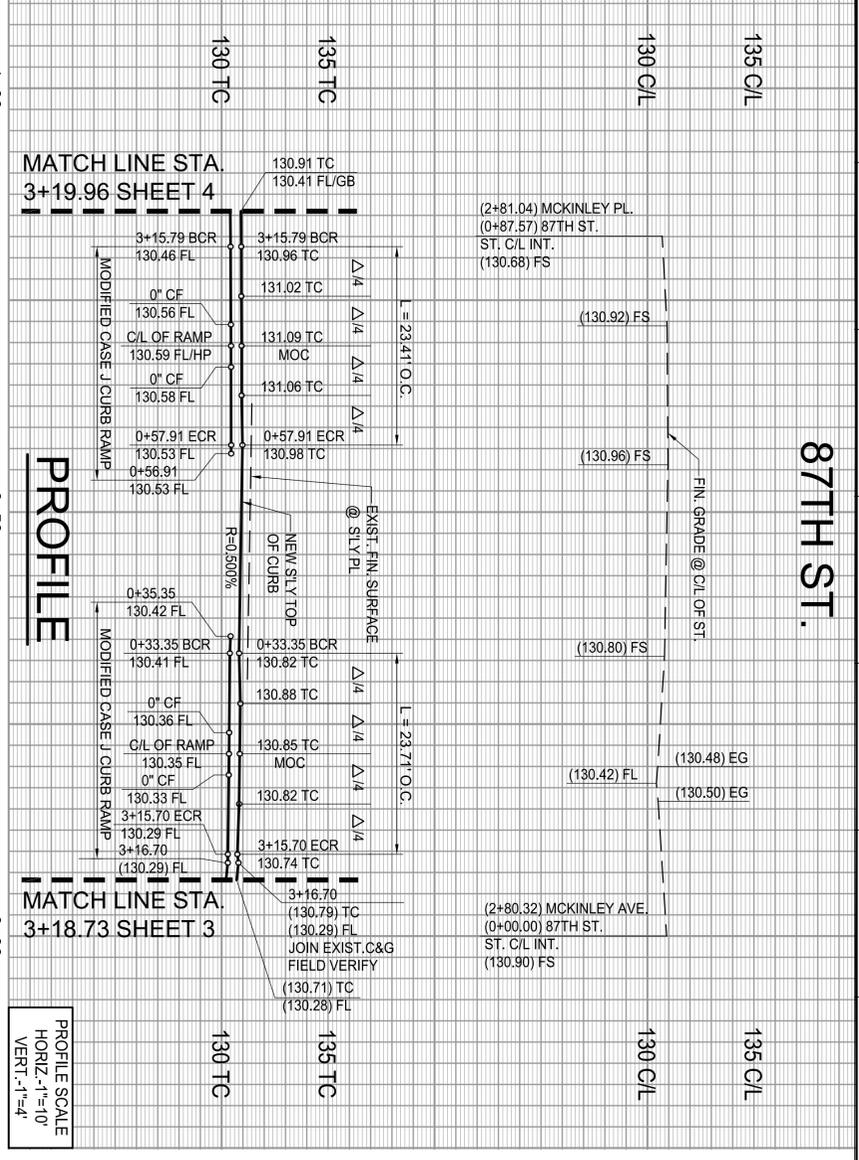
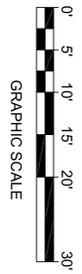
Sheet Version 6.0 2/2015

REVISION DATES (DESIGN STAGE ONLY)

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

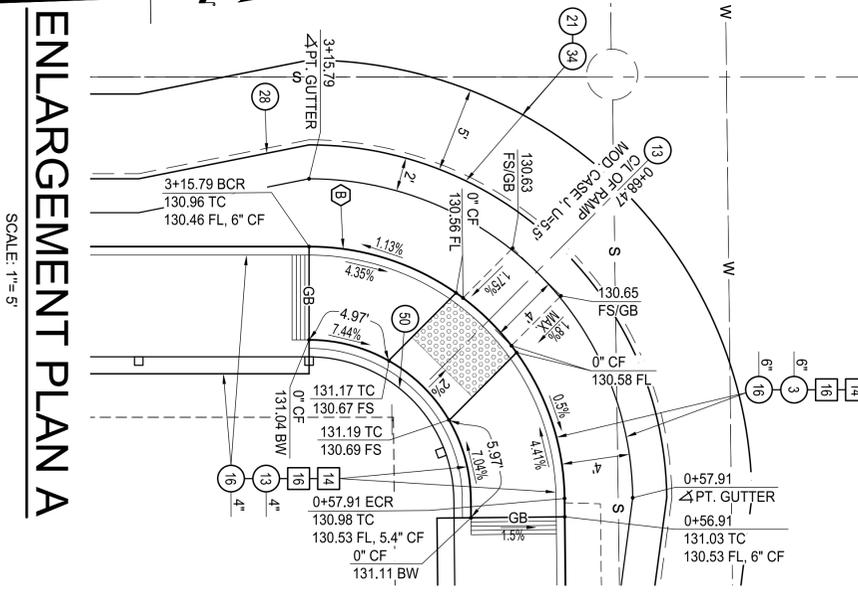


PLAN
SCALE: 1"=10'

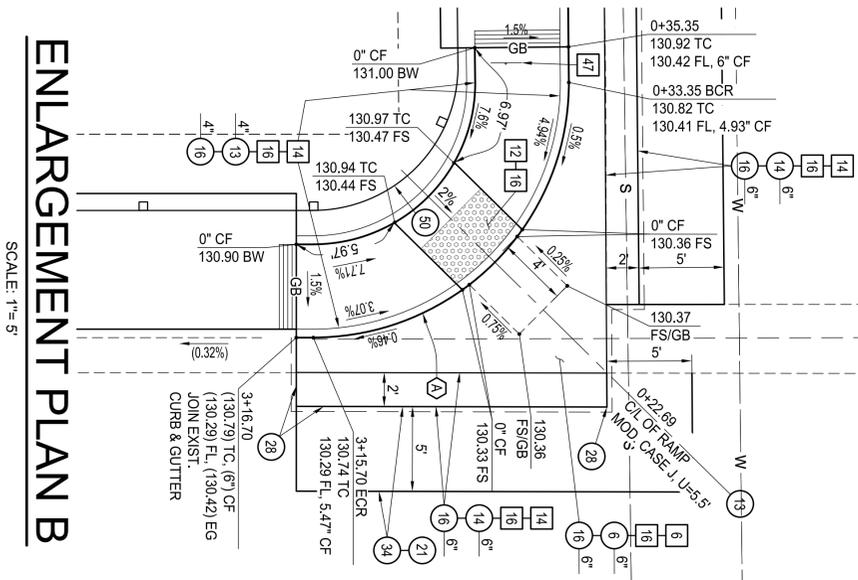


PROFILE

PROFILE SCALE
HORZ. 1"=10'
VERT. 1"=4'



ENLARGEMENT PLAN A
SCALE: 1"=5'



ENLARGEMENT PLAN B
SCALE: 1"=5'

CURVE DATA			
Station	R	L	T
A 30+33.59	15.00'	23.71'	15.15'
B 89+28.01	15.00'	23.41'	14.83'

- CONSTRUCTION NOTES**
- CONSTRUCT
 - EXISTING
 - REMOVE
 - REMODEL EXIST.
 - REMOVE & CONST.
 - WORK BY OTHERS
1. TYPE C INTEGRAL CURB & GUTTER-B=AS NOTED, B=AS NOTED
 2. TYPE C INTEGRAL CURB & PAVEMENT
 3. CONCRETE INTERSECTION GUTTER, B=AS NOTED
 4. CONCRETE WALK, I=4"
 5. CURB RAMP, CASE & UAS NOTED
 6. ASPHALT CONCRETE PAVEMENT, F=AS NOTED
 7. UNTREATED BASE MATERIAL, F=AS NOTED
 8. COLDPLANE (MILL) AC PAVEMENT, I=2" MIN.
 9. SAWCUT AND JOIN
 10. VARIABLE THICKNESS ASPHALT CONCRETE PAVEMENT, I=2" MIN.
 11. ELECTROLIER
 12. RELOCATE STREET SIGN
 13. PERIMETER FENCE PER REVOCABLE PERMIT REFERENCE #2018000096
- NOTE:
REPAIR ANY BROKEN, OFF GRADE OR BAD ORDER CONCRETE CURBS, GUTTERS AND SIDEWALKS TO THE SATISFACTION OF THE CITY ENGINEER.

VAC-E1401340
PLANS PREPARED BY:
Barbara L. Hall, P.E., Inc.
318 West Evergreen Avenue, Monrovia, CA 61016
Phone: (626) 256-3220 Fax: (626) 256-3218
7/3/2023
ENGINEER SIGNATURE DATE



CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING

SHEET 5 OF 20 SHEETS

SHEET TITLE: 87TH ST.
PROJECT: S. MCKINLEY AVENUE (W/S) S/W CORNERS OF E. 87TH STREET
ADDRESS: 87TH ST. & MCKINLEY AVE. LOS ANGELES, CA

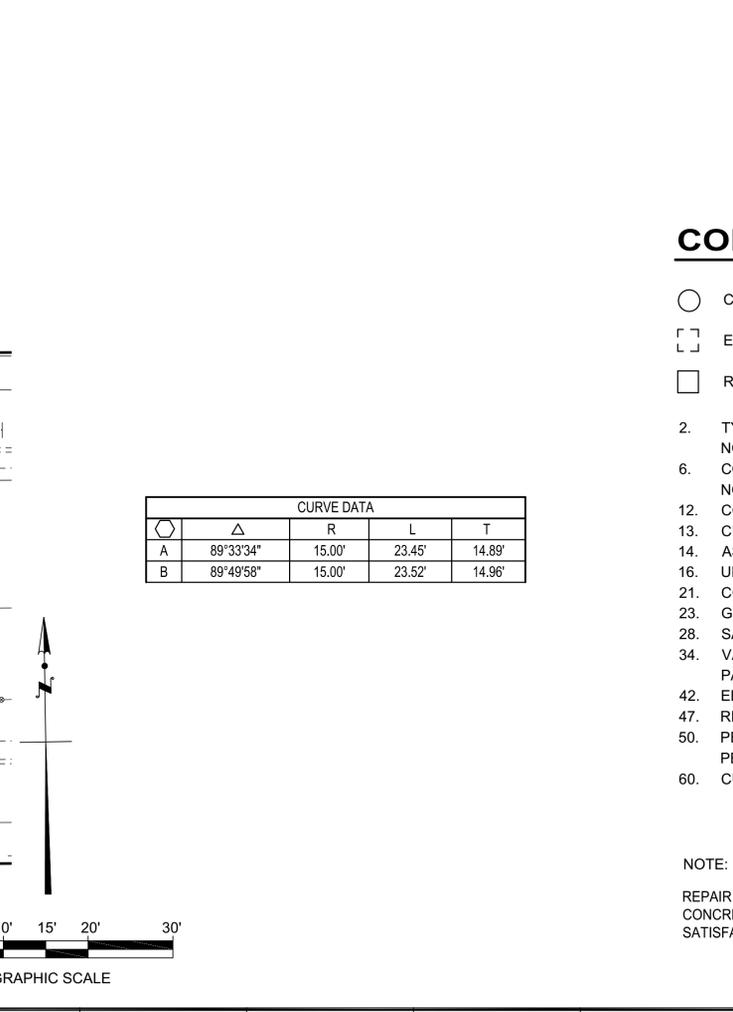
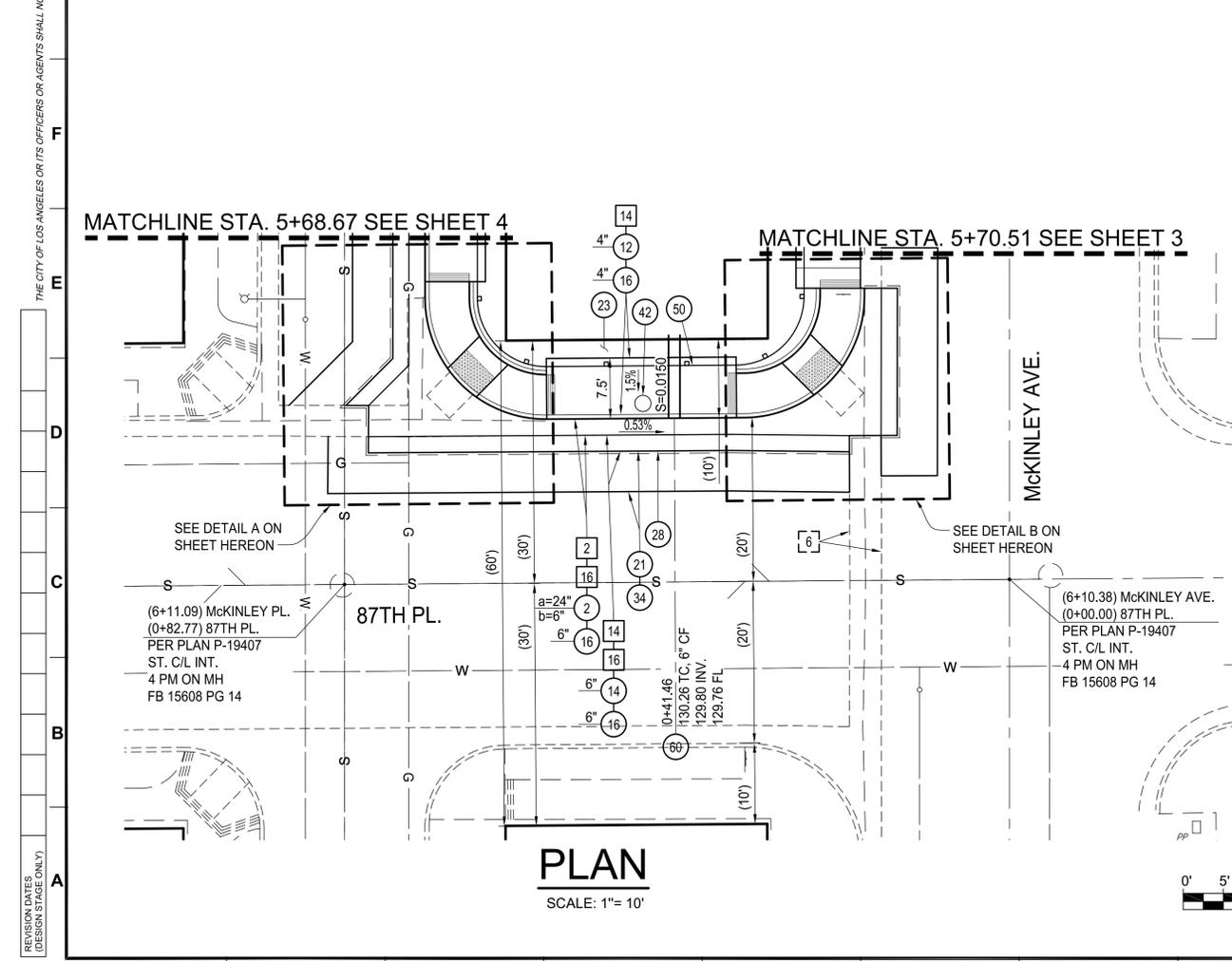
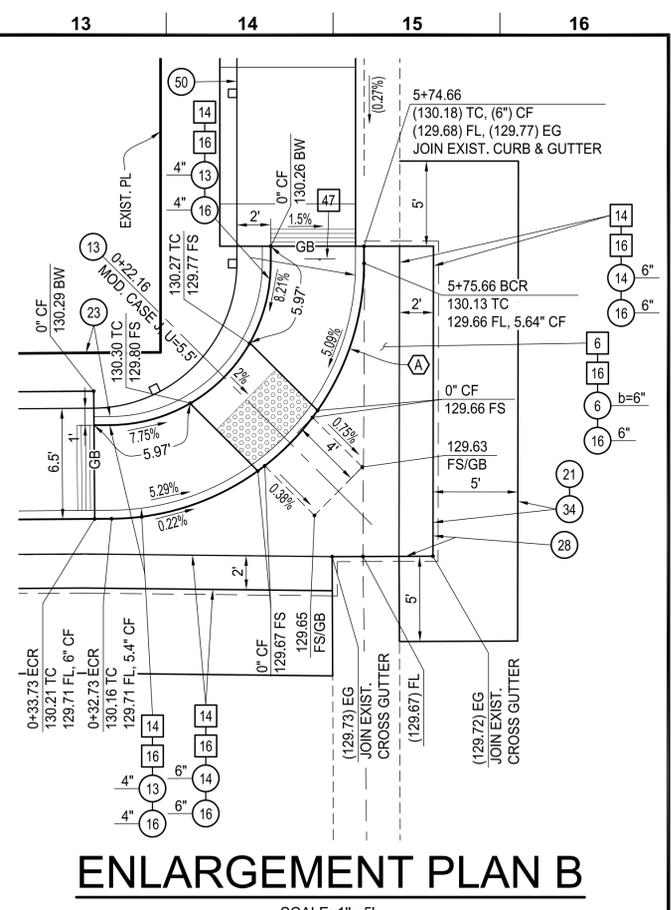
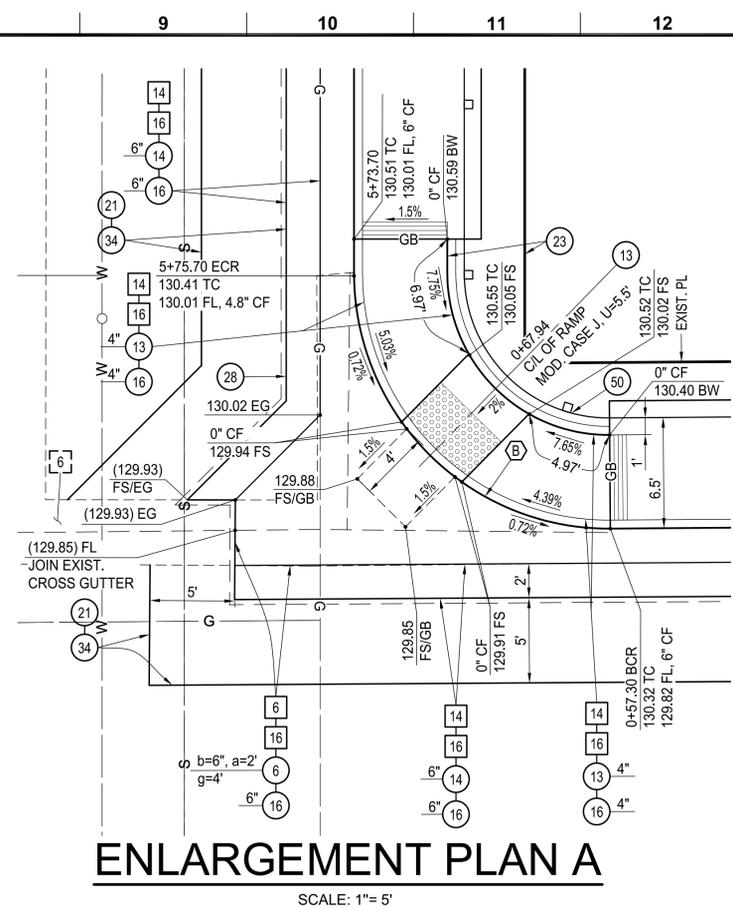
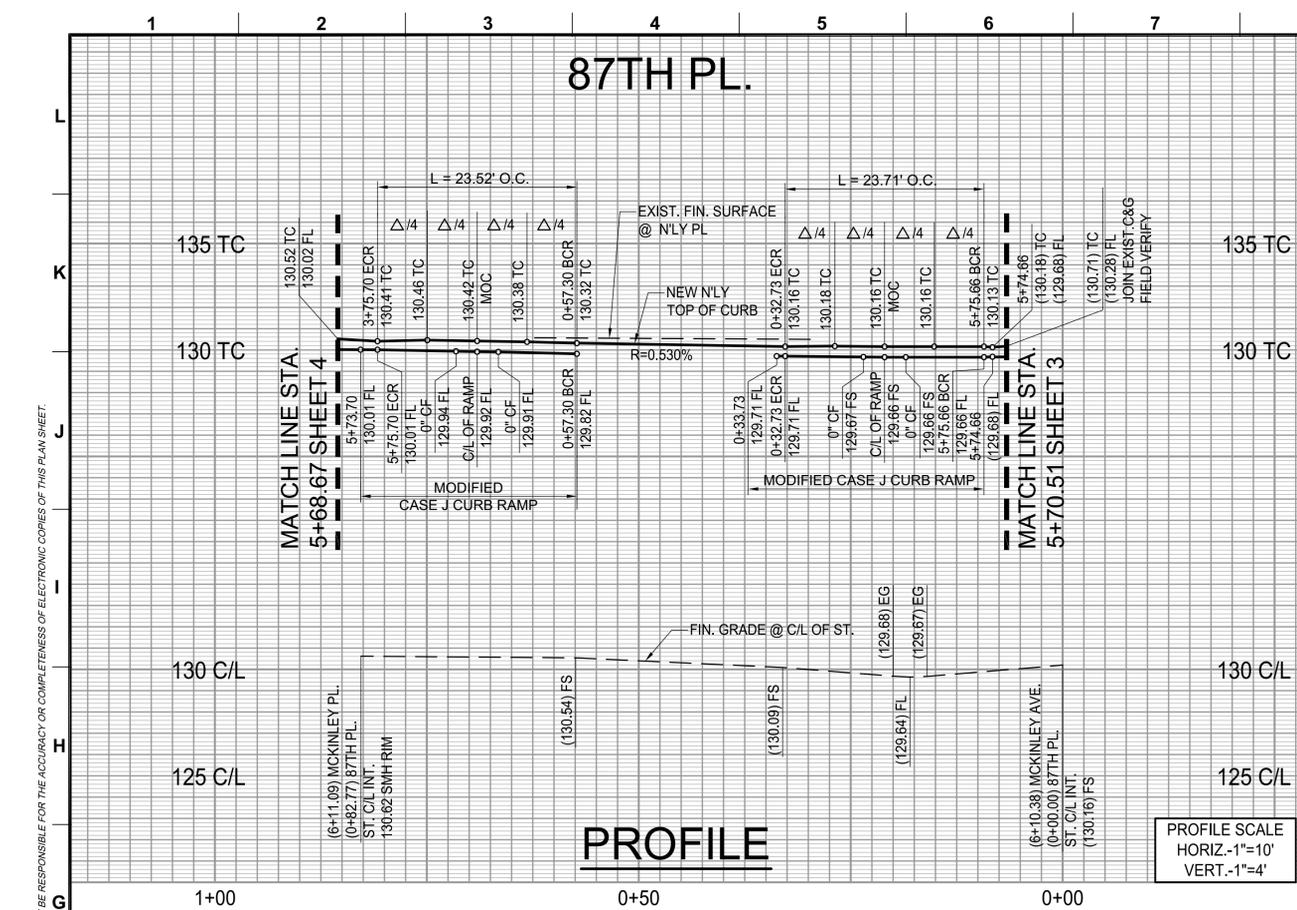
DESIGN GROUP: BARBARA L. HALL, P.E., INC.
ENGINEER: BARBARA L. HALL
DESIGNED BY: RANDY SETO
DRAWN BY: DONALD SETO
CHECKED BY: RANDY SETO
APPROVED BY: BARBARA L. HALL

BUREAU OF ENGINEERING APPROVAL:
OFFICE: CENTRAL DISTRICT
CHECKED BY: BIJAN ZADEH
SIGNATURE: DATE:

REVISIONS:
INDEX NO. P-39333

DATE: BY:
SERIAL NO.
B - PERMITS
BR003792





CONSTRUCTION NOTES

- CONSTRUCT
 - ◻ EXISTING
 - ◻ REMOVE
 - REMODEL EXIST.
 - ◻ REMOVE & CONST.
 - WORK BY OTHERS
2. TYPE C INTEGRAL CURB & GUTTER, a=AS NOTED, b=AS NOTED
 6. CONCRETE INTERSECTION GUTTER, b=AS NOTED
 12. CONCRETE WALK, t=4"
 13. CURB RAMP, CASE & U AS NOTED.
 14. ASPHALT CONCRETE PAVEMENT, t=AS NOTED
 16. UNTREATED BASE MATERIAL, t=AS NOTED
 21. COLDPLANE (MILL) AC PAVEMENT, t=2" MIN.
 23. GRADE ONLY
 28. SAWCUT AND JOIN
 34. VARIABLE THICKNESS ASPHALT CONCRETE PAVEMENT, t=2" MIN.
 42. ELECTROLIER
 47. RELOCATE STREET SIGN
 50. PERIMETER FENCE PER REVOCABLE PERMIT REFERENCE #2018000096
 60. CURB-O-LET PRODUCT #CP-SP 317

NOTE:
REPAIR ANY BROKEN, OFF GRADE OR BAD ORDER CONCRETE CURBS, GUTTERS AND SIDEWALKS TO THE SATISFACTION OF THE CITY ENGINEER.

BUREAU OF ENGINEERING

ENGINEERING CITY OF LOS ANGELES

DATE: BY:

REVISIONS:

BUREAU OF ENGINEERING APPROVAL:

OFFICE CENTRAL DISTRICT

CREATED BY: BIJAN ZADEH

SIGNATURE: DATE:

B - PERMITS BR003792

P-39333

INDEX NO.

DESIGN GROUP: BARBARA L. HALL, P.E., INC.

ENGINEER: BARBARA L. HALL

DESIGNED BY: RANDY SETO

DRAWN BY: DONALD SETO

CHECKED BY: RANDY SETO

APPROVED BY: BARBARA L. HALL

REGISTERED PROFESSIONAL ENGINEER

BARBARA L. HALL, P.E., INC.

No. 42206

Exp. 03/31/24

CIVIL CITY OF CA

87TH PL.

PROJECT: S. McKinley Avenue (W/S) SW CORNERS OF E. 87TH STREET

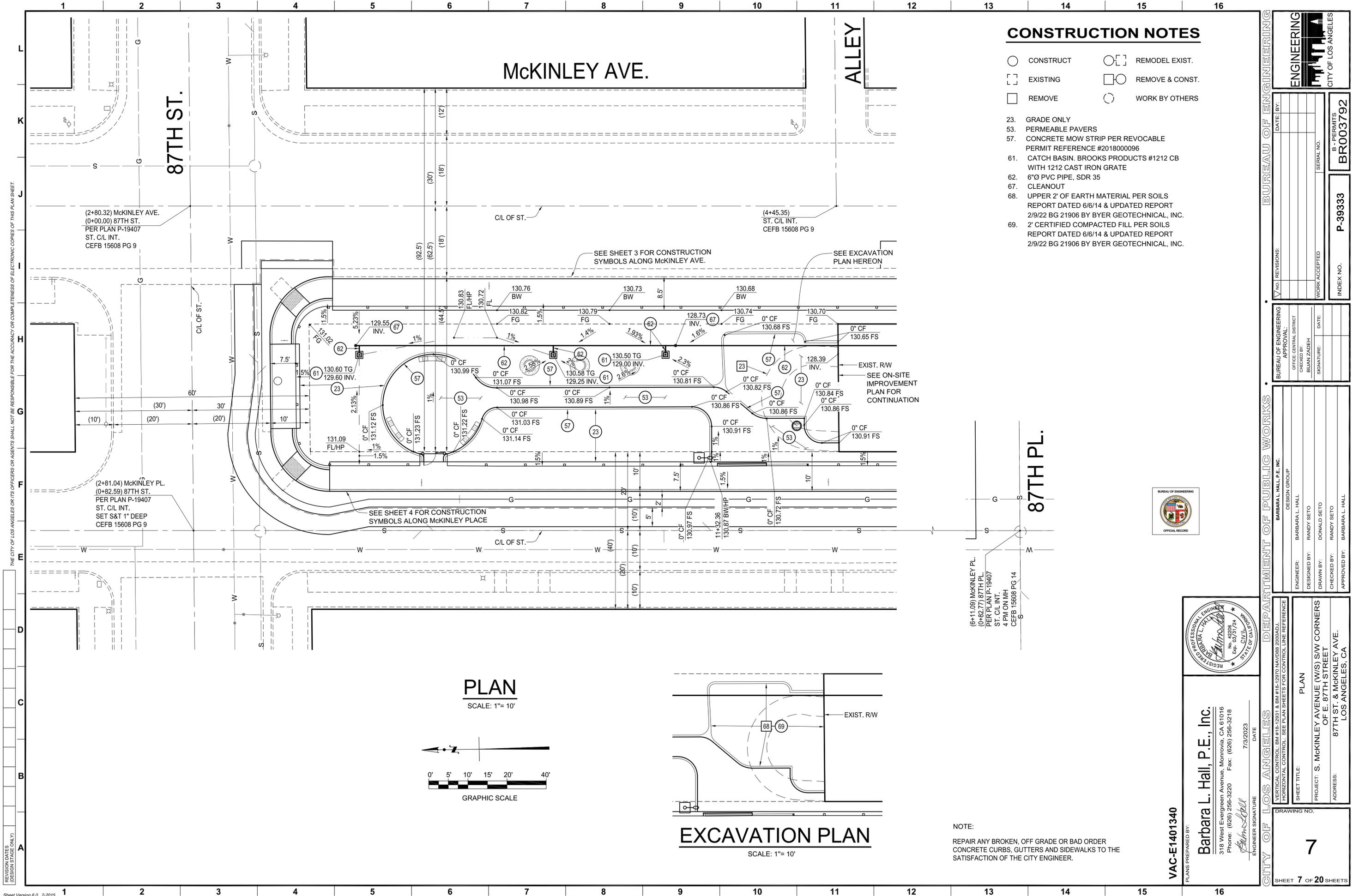
ADDRESS: 87TH ST. & McKINLEY AVE. LOS ANGELES, CA

DATE: 7/3/2023

ENGINEER SIGNATURE: Barbara L. Hall

DRAWING NO. 6

SHEET 6 OF 20 SHEETS



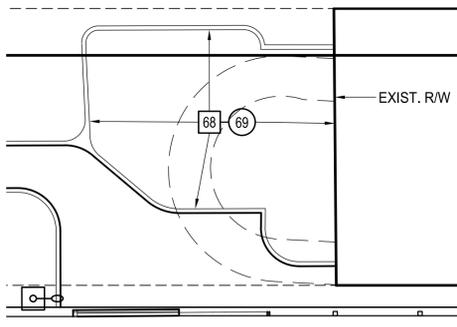
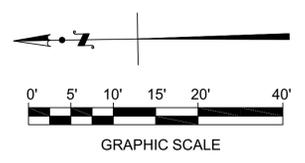
CONSTRUCTION NOTES

- CONSTRUCT
- ◻ EXISTING
- ◻ REMOVE
- REMODEL EXIST.
- ◻ REMOVE & CONST.
- WORK BY OTHERS

23. GRADE ONLY
53. PERMEABLE PAVERS
57. CONCRETE MOW STRIP PER REVOCABLE PERMIT REFERENCE #2018000096
61. CATCH BASIN, BROOKS PRODUCTS #1212 CB WITH 1212 CAST IRON GRATE
62. 6"Ø PVC PIPE, SDR 35
67. CLEANOUT
68. UPPER 2' OF EARTH MATERIAL PER SOILS REPORT DATED 6/6/14 & UPDATED REPORT 2/9/22 BG 21906 BY BYER GEOTECHNICAL, INC.
69. 2' CERTIFIED COMPACTED FILL PER SOILS REPORT DATED 6/6/14 & UPDATED REPORT 2/9/22 BG 21906 BY BYER GEOTECHNICAL, INC.

PLAN

SCALE: 1"= 10'



EXCAVATION PLAN

SCALE: 1"= 10'

NOTE:
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VAC-E1401340

PLANS PREPARED BY:
Barbara L. Hall, P.E., Inc.
318 West Evergreen Avenue, Monrovia, CA 61016
Phone: (626) 256-3220 Fax: (626) 256-3218
7/3/2023 DATE



CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

VERTICAL CONTROL: BM #18-1231 & BM #18-1232 NAVD83 2000ADL
HORIZONTAL CONTROL: SEE PLAN SHEETS FOR CONTROL LINE REFERENCE

SHEET TITLE: **PLAN**

PROJECT: S. MCKINLEY AVENUE (W/S) SW CORNERS OF E. 87TH STREET

ADDRESS: 87TH ST. & MCKINLEY AVE. LOS ANGELES, CA

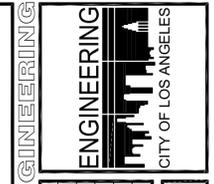
DRAWING NO. **7**

SHEET 7 OF 20 SHEETS

BARBARA L. HALL, P.E., INC.
DESIGN GROUP
ENGINEER: BARBARA L. HALL
DESIGNED BY: RANDY SETO
DRAWN BY: DONALD SETO
CHECKED BY: RANDY SETO
APPROVED BY: BARBARA L. HALL

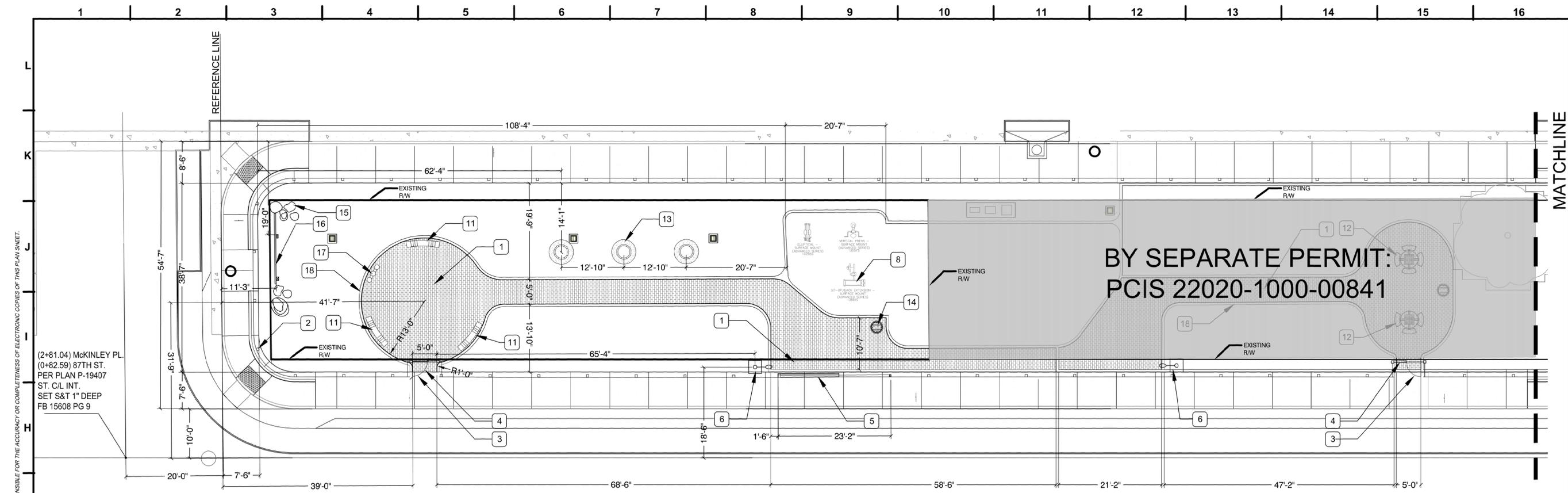
BUREAU OF ENGINEERING
APPROVAL:
OFFICE CENTRAL DISTRICT
CHECKED BY: BILAN ZADEH
SIGNATURE: _____ DATE: _____

BUREAU OF ENGINEERING
DATE: BY: _____
WORK ACCEPTED
INDEX NO. **P-39333**
B - PERMITS **BR003792**



THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

REVISION DATES (DESIGN STAGE ONLY)



PLAN
SCALE: 1"= 10'

CONSTRUCTION LEGEND

- 1 ANGELUS PERMEABLE HOLLAND PAVERS, COLOR CREAM-SAND-RED, SRI 36-33-37. SRI TO BE GREATER THAN 29 PER S-601-3. RUNNING BOND PATTERN. AVAILABLE FROM ANGELUS BLOCK CO. 951-328-9115 2,243 TOTAL SF. OR SUBMITTED APPROVED EQUAL. INSTALL PER DETAIL 1, SHEET 9
- 2 6' TUBULAR STEEL PERIMETER FENCE, MONTAGE II, GENESIS STYLE BY AMERISTAR COLOR TO BE SELECTED. AVAILABLE FROM AMERISTAR PERIMETER SECURITY 888-333-3422. OR SUBMITTED APPROVED EQUAL. INSTALL PER DETAIL 2, SHEET 9
- 3 ADA GATE CLEARANCES, INSTALL PER DETAIL 3, SHEET 9.
- 4 6' TUBULAR STEEL PEDESTRIAN GATE WITH 3' LEAF. MONTAGE II, GENESIS STYLE BY AMERISTAR. COLOR TO BE SELECTED. AVAILABLE FROM AMERISTAR PERIMETER SECURITY 888-333-3422. OR SUBMITTED APPROVED EQUAL. INSTALL PER DETAIL 4, SHEET 9.
- 5 12-FT ROLLING METAL SERVICE GATE, PASSPORT II, GENESIS STYLE BY AMERISTAR. COLOR TO BE SELECTED. AVAILABLE FROM AMERISTAR PERIMETER SECURITY 888-333-3422. OR SUBMITTED APPROVED EQUAL. INSTALL PER DETAIL 5, SHEET 9.
- 6 VISIONAIRE PAVILLION II LED SECURITY LIGHTING. AVAILABLE FROM VISIONAIRE LIGHTING, 310-512-6480. OR SUBMITTED APPROVED EQUAL. INSTALL PER DETAILS 8 AND 9, SHEET 10.
- 7 GTIMPAX POURED-IN-PLACE SURFACING, 2 TO 3-INCHES OVER CONCRETE, AVAILABLE FROM GAMETIME, 800-453-2735. COLOR TO BE SELECTED. OR SUBMITTED APPROVED EQUAL. INSTALLATION BY CERTIFIED INSTALLER
- 8 GTFIT ADULT EXERCISE EQUIPMENT AVAILABLE FROM GAMETIME - SEE ITEM 10 BELOW. ELLIPTICAL, MODEL #13255;; CHEST PRESS, MODEL #13274; SIT-UP/ BACK EXTENSION, MODEL #13249. OR SUBMITTED APPROVED EQUAL
- 9 GTIMPAX POURED-IN-PLACE RESILIENT SURFACING AVAILABLE FROM GAMETIME. OR SUBMITTED APPROVED EQUAL. INSTALLATION BY CERTIFIED INSTALLER
- 10 PLAYGROUND EQUIPMENT AVAILABLE FROM GAMETIME; LOCAL REP GREAT WESTERN PARK & PLAYGROUND, TYLER KYRIPOULOS 800-453-2735, OR 435-760-5103 (CELL) OR tyler@gwpark.com OR SUBMITTED APPROVED EQUAL. INSTALLATION BY CERTIFIED INSTALLER
- 11 CONCRETE BENCH RADIUS. AVAILABLE FROM OUTDOOR CREATIONS, INC. 530-365-6106. MODEL #404R203; COLOR TO BE SELECTED. OR SUBMITTED APPROVED EQUAL. INSTALL PER DETAIL 12, SHEET 10.
- 12 GAME TABLES; 2 TOTAL, MODEL #107AC (ADA ACCESSIBLE), MODEL #107S. AVAILABLE FROM OUTDOOR CREATIONS, INC. 530-365-6106. COLOR TO BE SELECTED. OR SUBMITTED APPROVED EQUAL. INSTALL PER DETAIL 11, SHEET 10.
- 13 CONCRETE PLANTER RING, MODEL #305. COLOR TO BE SELECTED. AVAILABLE FROM OUTDOOR CREATIONS, INC. 530-365-6106. OR SUBMITTED APPROVED EQUAL. INSTALL PER DETAIL 7, SHEET 9.
- 14 TRASH RECEPTACLE, MODEL AGD-55FT W/ FLAT TOP. AVAILABLE FROM ULTRASITE 800-458-5872. COLOR TO BE SELECTED. OR SUBMITTED APPROVED EQUAL. INSTALL PER DETAIL 13, SHEET 10.
- 15 LANDSCAPE BOULDERS AVAILABLE FROM SUNBURST DECORATIVE ROCK, 626-446-4994. INSTALL PER DETAIL 6, SHEET 9.
- 16 CITY OF LOS ANGELES DEPT. RECREATION & PARKS STANDARD FACILITY SIGN 818-252-6611. INSTALL PER DETAIL 15, SHEET 11.
- 17 DRINKING FOUNTAIN, MODEL GYQ84-CV-IAP-RAP. AVAILABLE FROM MURDOCK MANUFACTURING, 626-336-4561. INSTALL PER DETAIL 16, SHEET 11.
- 18 CONCRETE CURB, 6"W x 12" THICK PER CITY STANDARD S-486-0. NATURAL COLOR W/ MEDIUM BROOM FINISH. INSTALL PER DETAIL 1, SHEET 9.

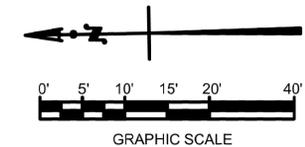
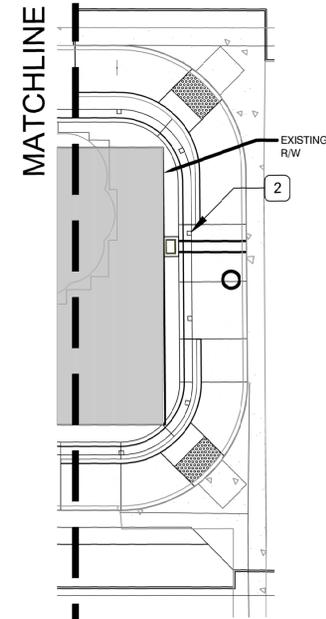
PA = PLANTING AREA
(E) = EXISTING

CONSTRUCTION NOTES

1. ALL DIMENSIONS ARE TAKEN FROM FACE OF WALL OR EDGE OF PAVING UNLESS OTHERWISE NOTED ON THE PLAN. THE DIMENSIONS ARE SHOWN FOR APPROXIMATE LINE ONLY. ALL RADII AND CURVES SHALL HAVE SMOOTH CONTINUOUS TRANSITIONS WITHOUT ABRUPT CHANGES OR BENDS.
2. CONTRACTOR SHALL VERIFY LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION. CALL DIG-ALERT, 800-227-2600, A MINIMUM OF TWO WORKING DAYS PRIOR TO PROJECTED START OF EXCAVATION.
3. CONTRACTOR SHALL VERIFY LOCATION OF EXISTING IRRIGATION LINES PRIOR TO CONSTRUCTION. PROTECT IN PLACE AND CAP OFF IF REQUIRED.
4. ALL HARDWARE, NAILS, LAGS, MACHINE BOLTS, ETC. TO BE HOT-DIPPED GALVANIZED. ON METAL WORK, ALL SEAMS TO BE SEALED AND CAULKED.
5. CONTRACTOR SHALL CHECK ALL DIMENSIONS, FRAMING CONDITIONS AND SITE CONDITIONS BEFORE STARTING WORK. THE LANDSCAPE ARCHITECT SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES OR POSSIBLE DEFICIENCIES.
6. CONTRACTOR TO COORDINATE INSTALLATION OF PLAY EQUIPMENT AND PIP SURFACING WITH CPSI FOREMAN. ALL MANUFACTURED PLAY EQUIPMENT, SURFACING, AND SITE FURNISHINGS TO BE INSTALLED PER MANUFACTURERS' RECOMMENDATIONS AND SPECIFICATIONS.
7. CONTRACTOR SHALL MAINTAIN A NEAT AND ORDERLY JOB SITE AND SHALL REMOVE ALL DEBRIS PROMPTLY FROM THE WORK AREA AND DISPOSE OF IT PROPERLY. CONTRACTOR IS RESPONSIBLE FOR ALL REMOVAL AND DISPOSAL FEES.

NOTE:

REPAIR ANY BROKEN, OFF GRADE OR BAD ORDER CONCRETE CURBS, GUTTERS AND SIDEWALKS TO THE SATISFACTION OF THE CITY ENGINEER.



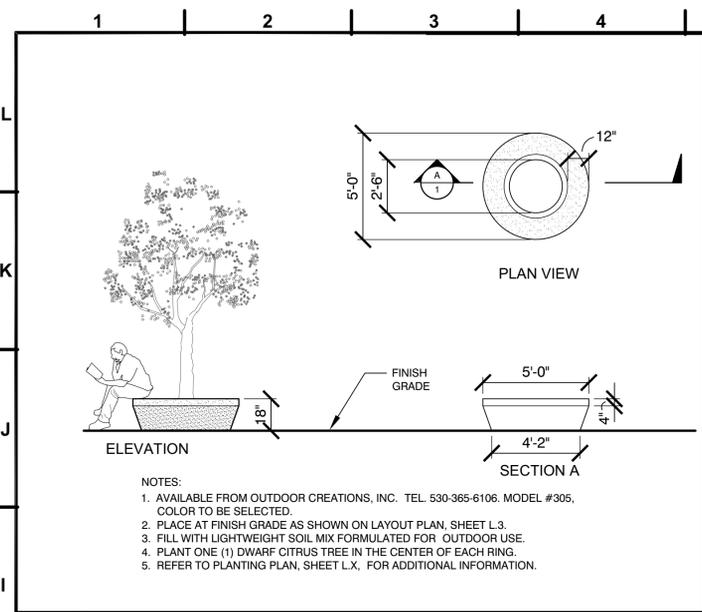
**BY SEPARATE PERMIT:
PCIS 22020-1000-00841**

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

DESIGN STAGES (DESIGN STAGE ONLY)

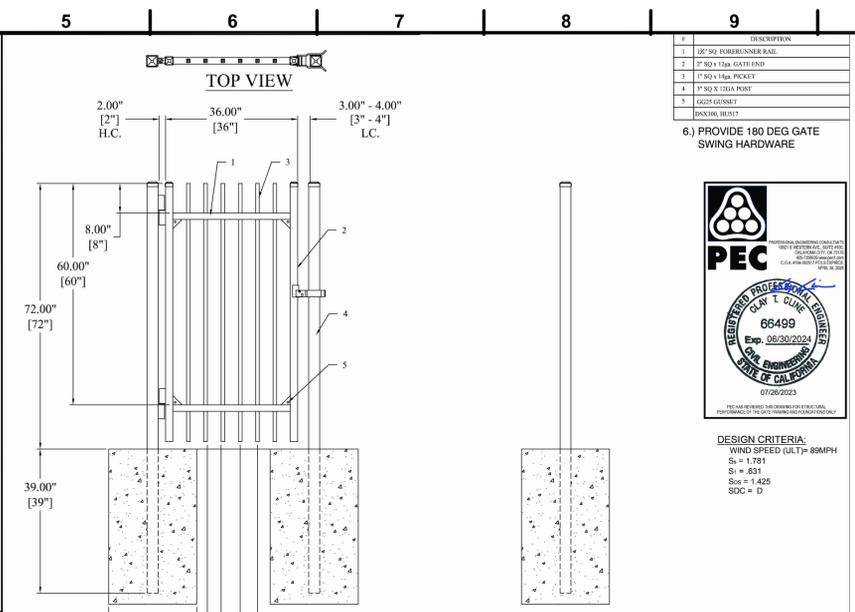
ENGINEERING CITY OF LOS ANGELES	
BUREAU OF ENGINEERING OFFICE: CENTRAL DISTRICT CHECKED BY: _____ SIGNATURE: _____ DATE: _____	DATE BY: _____ WORK ACCEPTED SERIAL NO: _____ B. PERMITS BR003792 INDEX NO: P-39333
DEPARTMENT OF PUBLIC WORKS BARBARA L. HALL, P.E., INC. DESIGN GROUP ENGINEER: BARBARA L. HALL DESIGNED BY: RANDY SETO DRAWN BY: DONALD SETO CHECKED BY: RANDY SETO APPROVED BY: BARBARA L. HALL	
CITY OF LOS ANGELES VERTICAL CONTROL: BM #18-12951 & BM #18-12970 NCV088 2000ADJ HORIZONTAL CONTROL: SEE PLAN SHEETS FOR CONTROL LINE REFERENCE SHEET TITLE: CONSTRUCTION PLAN PROJECT: S. MCKINLEY AVENUE (W/S) SW CORNERS OF E. 87TH STREET ADDRESS: 87TH ST. & MCKINLEY AVE. LOS ANGELES, CA	
PLANS PREPARED BY: Barbara L. Hall, P.E., Inc. 318 West Evergreen Avenue, Monrovia, CA 61016 Phone: (626) 256-3220 Fax: (626) 256-3218 VAC-E1401340 DRAWING NO. 8 SHEET 8 OF 20 SHEETS	

REVISION DATES (DESIGN STAGE ONLY)



NOTES:
 1. AVAILABLE FROM OUTDOOR CREATIONS, INC. TEL. 530-365-6106. MODEL #305, COLOR TO BE SELECTED.
 2. PLACE AT FINISH GRADE AS SHOWN ON LAYOUT PLAN, SHEET L.3.
 3. FILL WITH LIGHTWEIGHT SOIL MIX FORMULATED FOR OUTDOOR USE.
 4. PLANT ONE (1) DWARF CITRUS TREE IN THE CENTER OF EACH RING.
 5. REFER TO PLANTING PLAN, SHEET L.X. FOR ADDITIONAL INFORMATION.

7. CONCRETE PLANTER RING
 SCALE: 1/4" = 1'-0" 048 -

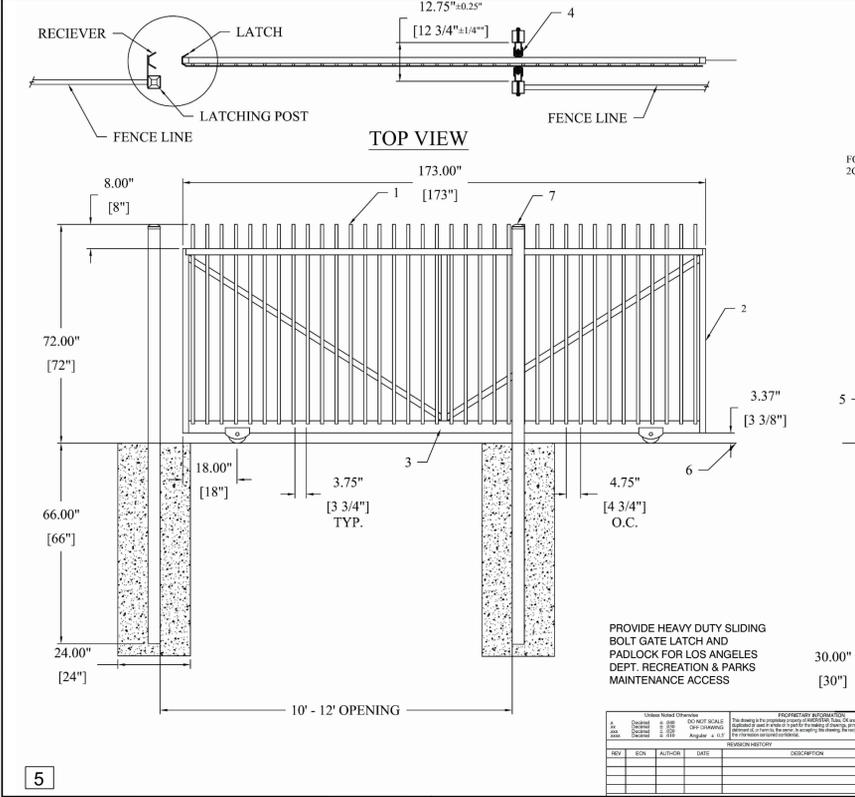


NO.	DESCRIPTION
1	2" SQ. FORBESNER RAIL
2	2" SQ X 1/2" GATE END
3	1" SQ X 1/2" PICKET
4	2" SQ X 1/2" POST
5	2" SQ X 1/2" PICKET
6	PROVIDE 180 DEG GATE SWING HARDWARE

PEC
 REGISTERED PROFESSIONAL ENGINEER
 CIVIL ENGINEERING
 STATE OF CALIFORNIA
 No. 66499
 Exp. 06/30/2024
 07/26/2023

DESIGN CRITERIA:
 WIND SPEED (ULT) = 89MPH
 S_s = 1.781
 S_i = 0.51
 S_{0s} = 1.425
 SDC = D

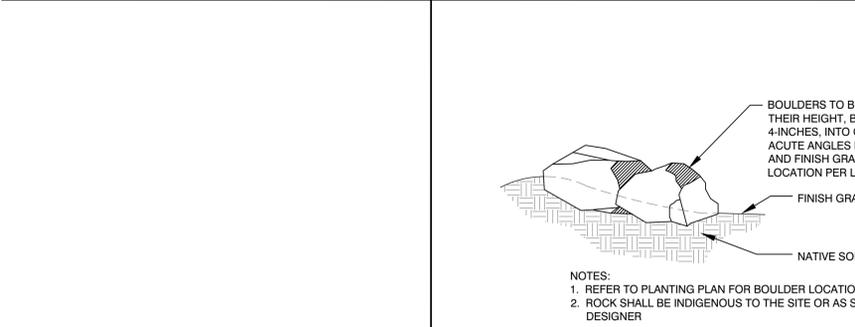
4. ELEVATION VIEW
 SCALE: 1/4" = 1'-0" 048 -



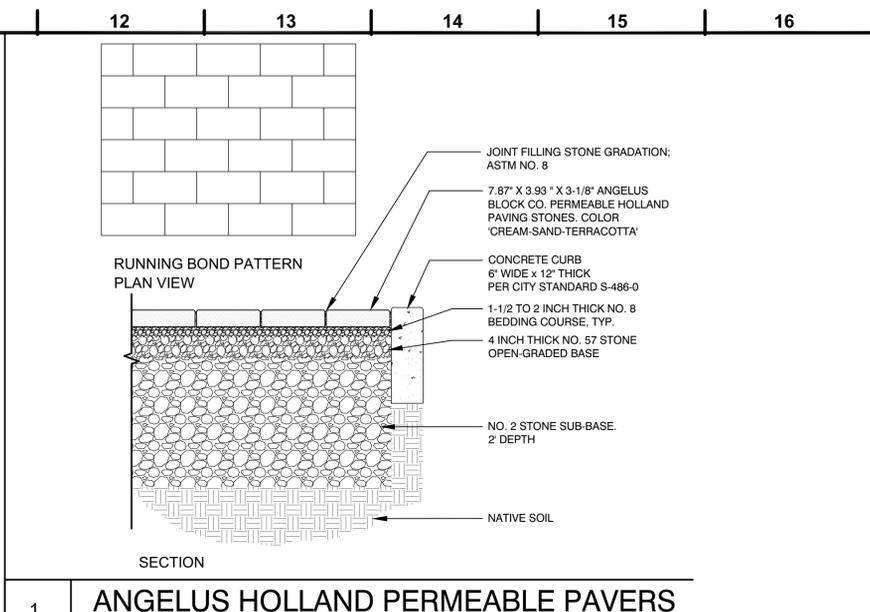
NO.	DESCRIPTION
1	1" SQ X 1/2" PICKET
2	2" SQ X 1/2" FRAME
3	2" X 4" X 1/2" BOTTOM RAIL
4	TOP GUIDE ROLLERS
5	2" V-GROOVE WHEEL
6	V-GROOVE TRACK
7	2" SQ POST

PEC
 REGISTERED PROFESSIONAL ENGINEER
 CIVIL ENGINEERING
 STATE OF CALIFORNIA
 No. 66499
 Exp. 06/30/2024
 07/26/2023

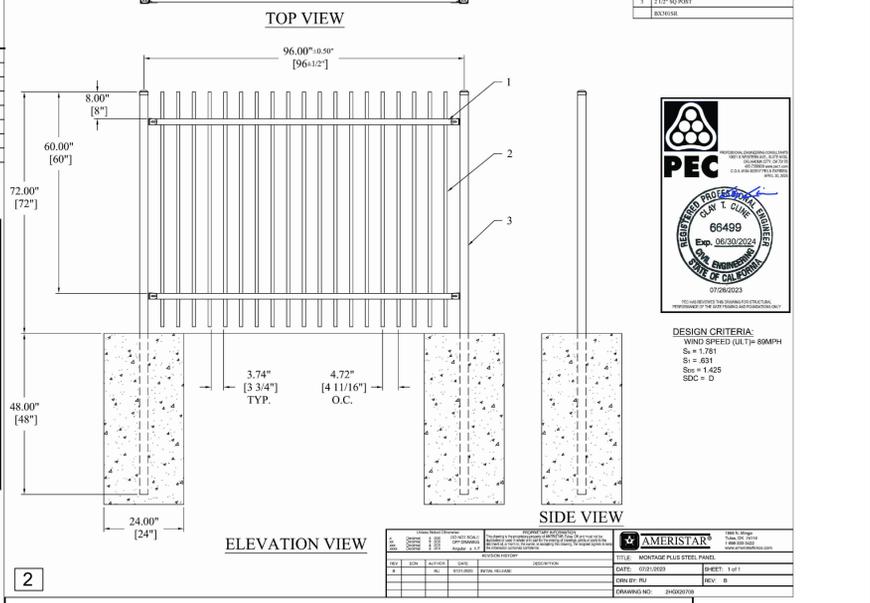
DESIGN CRITERIA:
 WIND SPEED (ULT) = 89MPH
 S_s = 1.781
 S_i = 0.51
 S_{0s} = 1.425
 SDC = D



6. BOULDER INSTALLATION
 SCALE: 1/4" = 1'-0" 048 -

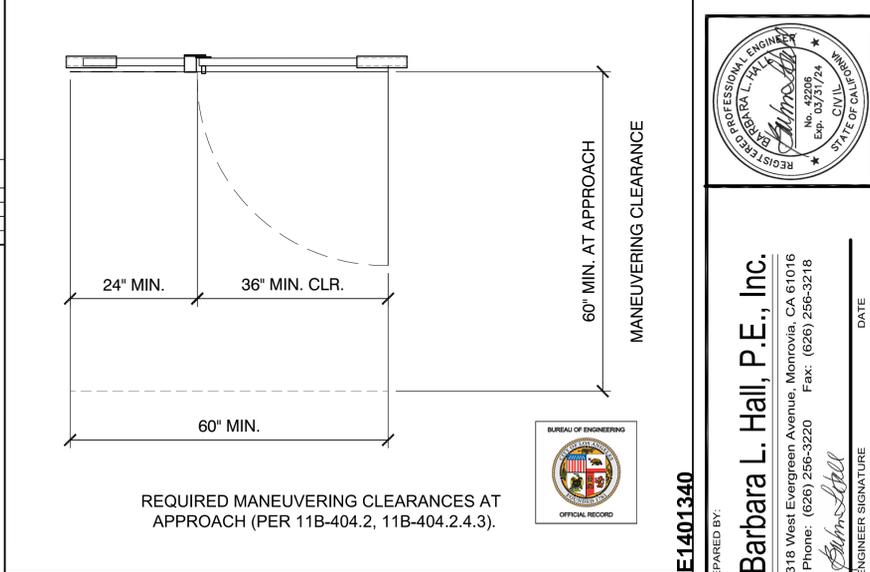


1. ANGELUS HOLLAND PERMEABLE PAVERS
 SCALE: 3/4" = 1'-0" 016 -



PEC
 REGISTERED PROFESSIONAL ENGINEER
 CIVIL ENGINEERING
 STATE OF CALIFORNIA
 No. 66499
 Exp. 06/30/2024
 07/26/2023

DESIGN CRITERIA:
 WIND SPEED (ULT) = 89MPH
 S_s = 1.781
 S_i = 0.51
 S_{0s} = 1.425
 SDC = D



3. ADA GATE CLEARANCES
 SCALE: 3/4" = 1'-0" 016 -

BUREAU OF ENGINEERING

DEPARTMENT OF PUBLIC WORKS

CITY OF LOS ANGELES

DATE: _____

ENGINEER: BARBARA L. HALL

DESIGNED BY: RANDY SETO

DRAWN BY: DONALD SETO

CHECKED BY: RANDY SETO

APPROVED BY: BARBARA L. HALL

OFFICE: CENTRAL DISTRICT

SHEET TITLE: CONSTRUCTION DETAILS

PROJECT: S. MCKINLEY AVENUE (W/S) SW CORNERS OF E. 87TH STREET

ADDRESS: 87TH ST. & MCKINLEY AVE. LOS ANGELES, CA

DRAWING NO. 9

INDEX NO. P-39333

B - PERMITS BR003792

Barbara L. Hall, P.E., Inc.
 318 West Evergreen Avenue, Montevia, CA 91016
 Phone: (626) 256-3220 Fax: (626) 256-3218

Barbara L. Hall
 REGISTERED PROFESSIONAL ENGINEER
 CIVIL ENGINEERING
 STATE OF CALIFORNIA
 No. 42908
 Exp. 03/31/24

DATE: _____

PLANS PREPARED BY: _____

VAC-E-1401340

REVISION DATES (DESIGN STAGE ONLY)

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

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Sheet Version # 0 2-2015

ultra site
A FLEXCORE COMPANY

ULTRASITE
1675 LOCUST ST.
RED BUD, IL 62276
TOLL FREE: 1-800-458-5872
www.ultra-site.com

SELECT DESIRED LID OPTION:
 FLAT TOP (SHOW) 
 ASH URN 
 RAIN BONNET 

SELECT DESIRED MOUNT:
 SURFACE MOUNT 
 PORTABLE 

RECEPTIONS:
-55 GALLON CAPACITY
-POWDER COATED FINISH (ONLY AVAILABLE)
-1" TOP X 1/4" FLAT STEEL STRIPS
-TOP AND BOTTOM RINGS ARE 1" PIPE
-ALL MILD WELDED FRAME
-LID AND URN INCLUDED

MANUFACTURER NOTES:
-CONTACT MANUFACTURER FOR ALL COLORS AND SIZING OPTIONS.

NOTES:
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2. DO NOT SCALE DRAWING.
3. THIS DRAWING IS INTENDED FOR USE BY ARCHITECTS, ENGINEERS, CONTRACTORS, CONSULTANTS AND DESIGN PROFESSIONALS FOR PLANNING PURPOSES ONLY. THIS DRAWING MAY NOT BE USED FOR CONSTRUCTION.
4. ALL INFORMATION CONTAINED HEREIN WAS CURRENT AT THE TIME OF DEVELOPMENT BUT MUST BE REVIEWED AND APPROVED BY THE PRODUCT MANUFACTURER TO BE CONSIDERED ACCURATE.
5. CONTRACTOR'S NOTE: FOR PRODUCT AND COMPANY INFORMATION VISIT www.CADetails.com/urbs AND ENTER REFERENCE NUMBER: NET Detail Sheets, 2022 B PERMIT.

RECEPTACLES
13 AUGUSTA COLLECTION RECEPTACLE

NET Detail Sheets, 2022 B PERMIT
PROTECTED BY COPYRIGHT ©2023 CADDETAILS.COM LTD.
REVISION DATE: 10/26/2023
CADetails.com

MODEL# 1074C
ROUND CONCRETE TABLE W/WHEELCHAIR ENTRY

OUTDOOR CREATIONS, INC.
DATE:

SCALE: 1" = 24"
DRAWN BY: MNC

SIDE ELEVATION
19"
43"
4"
32-1/2"
5"
52"
8"
14"

PLAN
71"
43"
36"
11"

Threaded coil insert and rod provided with table for mechanical attachment into 3" dia. grout pocket on side by others.

SECOND SIDE ELEVATION
5"

NOTES:
1. Concrete mix to include a mixture of Portland Cement, water, coarse and fine aggregates, pure mineral oxide coloring agents (when applicable) to yield a minimum compressive strength of 5000 psi.
2. Final product shall be reinforced with #4 and #5 rebar grid.
3. Product is cast in 1-piece with no assembly required.
4. Hairline cracks may develop over time. These are not structural failures, but inherent characteristics of the material itself.

5. Air pockets are a common occurrence in precast products. The frequency and size of air pockets are variable and to be expected, especially on vertical surfaces. Concrete corners and edges will chip if not handled according to guidelines. Patch kits are available but may or may not blend and can be variable.
6. There is a level of care and maintenance associated with your product and is the responsibility of the end user. Choosing the right sealer can help minimize those costs.

WEIGHT: 2000 LBS
TEXTURE:
COLOR:
SEALER:

OUTDOOR CREATIONS INC.
2770 Barney Street
Anderson, CA 95007
(530) 365-1100
FAX (530) 365-6129

TABLE TOP TO HAVE GAME BOARD INSERT

MODEL# 1075 - ROUND CONCRETE TABLE

OUTDOOR CREATIONS, INC.
DATE:

SCALE: 1" = 24"
DRAWN BY: MNC

SIDE ELEVATION
19"
43"
4"
32-1/2"
5"
52"
8"
14"

PLAN
71"
43"
36"
11"

Threaded coil insert and rod provided with table for mechanical attachment into 3" dia. grout pocket on side by others.

NOTES:
1. Concrete mix to include a mixture of Portland Cement, water, coarse and fine aggregates, pure mineral oxide coloring agents (when applicable) to yield a minimum compressive strength of 5000 psi.
2. Final product shall be reinforced with #4 and #5 rebar grid.
3. Product is cast in 1-piece with no assembly required.
4. Hairline cracks may develop over time. These are not structural failures, but inherent characteristics of the material itself.

5. Air pockets are a common occurrence in precast products. The frequency and size of air pockets are variable and to be expected, especially on vertical surfaces. Concrete corners and edges will chip if not handled according to guidelines. Patch kits are available but may or may not blend and can be variable.
6. There is a level of care and maintenance associated with your product and is the responsibility of the end user. Choosing the right sealer can help minimize those costs.

WEIGHT: 2000 LBS
TEXTURE:
COLOR:
SEALER:

OUTDOOR CREATIONS INC.
2770 Barney Street
Anderson, CA 95007
(530) 365-1100
FAX (530) 365-6129

MODEL #404R203 - BENCH WITH RABBIT CURVE

OUTDOOR CREATIONS, INC.
DATE:

SCALE: 1" = 24"
DRAWN BY: MNC

PLAN
17"
14"
83 1/2"
Inside radius to be 203

ELEVATION
4"
83 1/2"
14"
18"
17"
8"

Threaded inserts in legs for mounting dowels (1 per leg)

"(2) 3/4" x 8" coil rods provided per bench for mounting

INSTALLATION RECOMMENDATIONS:
1. Bench requires epoxy applied to cover bottom of entire leg.
2. Epoxy adhesive should be checked periodically to ensure continued adhesion.
3. Bench may also be mechanically attached.

WEIGHT: 650 LBS
TEXTURE:
COLOR:
SEALER:

OUTDOOR CREATIONS INC.
2770 Barney Street
Anderson, CA 95007
(530) 365-1100
FAX (530) 365-6129

Rubberway
Rubberway, Inc.
4000 Barranca Pkwy.
Ste 250
Irvine, CA 92604
Phone: 877.288.0045
rubberway.com

SHEET NAME: RUBBERWAY RAMP 2 LAYER SYSTEM BETWEEN CONCRETE FLATWORK
SHEET: DETAIL NO. 18
APPROVED BY: KA | DRAWN BY: JAB | DATE: 1/23/15

NOTE:
ALL INFORMATION SHOWN IS SUGGESTED. DUE TO APPLICATION VARIANCES, IT IS THE RESPONSIBILITY OF THE ENGINEER OF RECORD TO PROVIDE ALL INFORMATION REQUIRED TO SUFFICIENT LOCAL BUILDING CODES AND REGULATIONS. THIS DETAIL IS FOR REPRESENTATIVE PURPOSES ONLY AND SHOULD NOT BE SOLELY USED FOR CONSTRUCTION PURPOSES UNLESS IT HAS BEEN CERTIFIED AND SEALED BY A QUALIFIED ENGINEER.

CONCRETE
1/2" THICKNESS COLORED RUBBER WEAR LAYER
1" THICKNESS RECYCLED RUBBER BASE LAYER
RUBBERWAY FLEXIBLE POROUS PAVING
KEYWAY 1"X3"
PRIME CONCRETE EDGE 30 MINUTES PRIOR TO INSTALLATION OF RUBBERWAY POROUS PAVING
RUBBER KEYWAY
CONCRETE
1/2" (19MM) CLEAN COARSE AGGREGATE (57 STONE) 95% COMPACTION AASHTO T-180
MIRAFI 140N GEOTEXTILE FABRIC
BASE COURSE
EXISTING SUBGRADE
BASE COURSE
MIN 4" DEPTH

NOTE:
DUE TO VARIANCES IN LOCAL CODES, CONSTRUCTION PRACTICES AND REQUIREMENTS, ALL DETAILS SHALL BE CONSTRUCTED IN ACCORDANCE WITH SUCH LOCAL CODES, CONSTRUCTION PRACTICES AND REQUIREMENTS REGARDLESS OF DETAIL CONSTRUCTION SHOWN IN DRAWING. RUBBERWAY, INC. RESERVES THE RIGHT TO CHANGE SPECIFICATIONS SHOWN WITHOUT NOTICE. ALL CHANGES TO SPECIFICATIONS CAN ONLY BE APPROVED BY RUBBERWAY, INC.

VISIONAIRE LIGHTING CATALOG #:
PAVILION II FIXTURE:
FD-LT5-B4LC-530-4000K-UNW-YM2-SM-C1-H1-PC-BBG,
ACTIVATED BY MOTION SENSOR.

POLE: RNTS-4R-11-18-RBC-343-S1-GAL,
TEMPERED PROOF SCREWS FOR HAND HOLE
COVER AND BASE COVER.

4" ROUND, NON-TAPERED STEEL POLE

NOTE:
POLE CONCRETE FOOTING PER MANUFACTURER'S SPECIFICATIONS

8 LIGHTING FIXTURE & POLE
N.T.S.

NOTE:
D=18" WHEN POLE IS LOCATED IN PLANTER AREA. D=6" OR FLUSH WITH FINISHED GRADE WHEN POLE LOCATED WITHIN CONCRETE AREA.

FOUNDATION DETAIL 2
SCALE: N.T.S.

ANCHOR RODS MAX (3) 1" CONDUITS FOR POWER AND CAMERA WIRING
VERT. REIN. EQUAL SPACED
DIAMETER A-A
BASE COVER
ROUND CONC. BASE WITH BEVELED EDGES
CONCRETE FOR GREEN BOOK
ANCHOR BOLTS PER POLE MFR RECOMMENDATIONS
FINISHED GRADE
CONDUIT(S) 24" BELOW GRADE. ALL RISERS AND 90° BENDS SHALL BE PVC SCHEDULE 80.
(6)#4 REBARS WITH (3)#3 HORIZONTAL REBAR TIES @ 12" ON CENTER
HAND-HOLE
GROUT BASE
4'-6" MIN
DIAMETER
2'-0"
3" CLEAR (TYP) TOP AND BOTTOM

BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS

CITY OF LOS ANGELES

DATE: _____

NO. REVISIONS: _____

BUREAU OF ENGINEERING APPROVAL: _____

OFFICE: CENTRAL DISTRICT

CHECKED BY: _____

SIGNATURE: _____

DATE: _____

ENGINEER: BARBARA L. HALL, P.E., INC. DESIGN GROUP

DESIGNED BY: BARBARA L. HALL

DRAWN BY: RANDY SETO

CHECKED BY: DONALD SETO

APPROVED BY: BARBARA L. HALL

SHEET TITLE: CONSTRUCTION DETAILS

PROJECT: S. MCKINLEY AVENUE (W/S) SW CORNERS OF E. 87TH STREET

ADDRESS: 87TH ST. & MCKINLEY AVE. LOS ANGELES, CA

DRAWING NO. 10

SHEET 10 OF 20 SHEETS

INDEX NO. P-39333

B. PERMITS BR003792

VAC-E1401340

PLANS PREPARED BY:
Barbara L. Hall, P.E., Inc.
3118 West Evergreen Avenue, Monrovia, CA 61016
Phone: (626) 256-3220 Fax: (626) 256-3218



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CITY OF LOS ANGELES
 CALIFORNIA



ERIC GARCETTI
 MAYOR

DEPARTMENT OF PUBLIC WORKS
 BUREAU OF ENGINEERING
 TED ALLEN, P.E.
 CITY ENGINEER
 1149 S. BROADWAY, SUITE 700
 LOS ANGELES, CA 90015-2213
 http://eng.lacity.org

September 19, 2022

David M. Quinn
 Technical Representative
 Angelus Block Co. Inc.
 11374 Tuxford Street
 Sun Valley, California 91352

SUBJECT: 1st EXTENSION - APPROVAL RENEWAL OF ANGELUS PERMEABLE HOLLAND 4 X 8 MACHINE LAY WITH 80 MM THICKNESS AND STANDARD FINISH W.O. BR000074

Dear Mr. Quinn:

Approval of the Permeable interlocking concrete paver, Angelus Permeable Holland 4 x 8 Machine lay with 80 mm thickness and Standard Finish, has been renewed for four years for Citywide Use in the parkway location and in the alley ways with the following conditions-Minimum 5 projects shall be inspected and evaluated for minimum one year after each installation. Each of the alley way installations shall not have more than 3% of damaged paver. Angelus Block Co. Inc. shall notify this office for each required inspection and evaluation. After the required evaluations are satisfactorily completed, the standard Citywide Use approval for the alley way will be granted. This approval will expire on September 19, 2025.

Please note that these approvals are applied to the installation details and other conditions as listed in the attached approved submittal. A work Permit and Revocable Permit are required for each job location prior to the start of work.

The City assumes no responsibility for any and all safety related issues in regards to the installation and use of this product. It is the responsibility of the Installer to understand the appropriate use and limitations of this product and to address any and all safety concerns with the Manufacturer. Further it is the Installer's responsibility to conform to all applicable industry and regulatory safety requirements.

Please be advised that you are required to report any changes to your product or the information indicated in your submittal to the City immediately and to re-certify these approvals prior to the expiration date. Please maintain a copy of the approval for your records, and provide one to the Installer and other Users in the field. If you have any questions or need any further information, please contact Chiu Tam at chiu.tam@lacity.org, or Edward Arrington at edward.arrington@lacity.org.

AN EQUAL EMPLOYMENT OPPORTUNITY EMPLOYER



David M. Quinn, Technical Representative
 Angelus Paving Stones/ Angelus Block Co. Inc - Approval of Angelus Permeable Holland
 September 19, 2022
 Page 2 of 2

Sincerely,

(Signature)
 (Alan) Chiu Tam, S. E.
 Senior Structural Engineer
 Wastewater Conveyance Engineering Division
 Bureau of Engineering

Cc: File
 David Miles, Bureau of Contract Administration
 Jerry Simpson-Harris, Bureau of Contract Administration

INELL WOODS PARK

RECREATION CENTER

Welcomes you

CITY OF LOS ANGELES RECREATION & PARKS DEPARTMENT

We Make L.A. a Better Place

SECTION

PLAN VIEW -- SIGN TO POST ATTACHMENT (N.T.S.)

LETTERING DETAIL
 SCALE: 1" = 1'-0"

NOTES:

- TEXT SHOWN ON THE ABOVE LETTERING DETAIL IS SCHEMATIC AND INTENDED ONLY TO CONVEY CONTENT AND GENERAL LOCATION OF TEXT. THE TYPE FACES AND SIZES SPECIFIED UNDER ITEM 6 BELOW SHALL HEREBY TAKE PRECEDENCE OVER WHAT IS SHOWN GRAPHICALLY.
- FACILITY SIGN TO BE MANUFACTURED BY CHARISMA DESIGN STUDIO, INC.; 13227 SAN FERNANDO RD., SYLMAR, CA 91343; (818) 252-6611 OR AN APPROVED EQUAL.
- SHOP DRAWINGS SHALL BE REQUIRED. SUBMIT SHOP DRAWINGS TO PROJECT MANAGER FOR APPROVAL PRIOR TO MAKING SIGN. SPACING BETWEEN LINES OF TEXT SHALL BE AT THE DISCRETION OF THE SIGN-MAKER, SUBJECT TO APPROVAL OF PROJECT MANAGER.
- SIGN BACKGROUND TO BE SAND BLASTED TO EXPOSE WOOD GRAIN TO A DEPTH OF 1/4 INCH.
- COLORS ON SIGN SHALL BE AS FOLLOWS:
 • ALL SAND BLASTED SURFACES, POSTS, AND BACK OF SIGN SHALL RECEIVE 2 COATS OF ACRYLIC ACRYLIC STAIN BY DUNN EDWARDS IN WEATHERED BROWN W-703-26.
 • TREE SILHOUETTE DESIGN SHALL BE EMERALD GREEN.
 • BORDERS SHALL BE 3/4 INCH WIDE TYPICAL. COLOR SHALL BE IMITATION GOLD BY 1-SHOT.
 • TEXT SIZE, TYPE FACE, AND COLOR SHALL BE AS FOLLOWS:
 "FACILITY NAME" -- 6 INCHES HIGH; TIFFANY HEAVY ITALICIZED; SNOWCAP (WHITE) Q9-36P.
 "RECREATION CENTER" -- 3 INCHES HIGH; HELVETICA MEDIUM, SNOWCAP (WHITE) Q9-36P.
 "CITY OF LOS ANGELES RECREATION AND PARKS DEPARTMENT" -- 3 INCHES HIGH; HELVETICA MEDIUM; SNOWCAP (WHITE) Q9-36P.
 "WELCOMES YOU...." -- 4 INCHES HIGH; MURRAY HILL BOLD ITALICIZED; CHROME YELLOW BY 1-SHOT.
 "WE MAKE L.A. A BETTER PLACE" -- 2-1/2 INCHES HIGH; BURGESS BRUSH AK; SNOWCAP (WHITE) Q9-36P. (NOTE THAT THE WORD "BETTER" IS UNDERLINED.)

FRONT VIEW SECTION

PLAN VIEW LAYOUT

DOMESTIC LINE STERILIZATION PROCEDURE:

FLUSH DOMESTIC WATER LINES COMPLETELY. INJECT CHLORINE GAS OR LIQUID DISINFECTANT INTO LINES THROUGH A 3/4" DIA. BRASS VALVE OR THROUGH A 1/2" DIA. BRASS VALVE. IF PRACTICAL, TO THE WATER METER. OPERATE VALVES ON ALL LINES INSTALLED BY PROPERTY TO DISINFECT ENTIRE SYSTEM. DISINFECTANT SHOULD BE APPLIED AT A CONCENTRATION OF 50 PPM AS MEASURED BY TEST INSTRUMENTS. ALLOW TO CONTACT FOR 30 MIN. RETURN TO 100 PPM FOR 4 HOURS MINIMUM. AT CONCLUSION, REDUCED RESIDUAL DISINFECTANT SHALL NOT BE LESS BY THAN 10 PPM. ALL LINES SHALL BE FLUSHED THOROUGHLY. A WATER SAMPLE SHALL BE TESTED BY AN APPROVED TESTING LABORATORY. RESULTS TO BE FILED.

NOTE: TOTAL WATER PLATE COUNT LESS THAN 100/100 CM² CENTER

WATER PROBABILITY SAFE TO USE - RESULTS ARE NEGATIVE. STERILIZATION SHALL BE REPEATED UNTIL STANDARD IS MET.

NOTE: CONTRACTOR TO SUBMIT SHOP DRAWINGS TO THE CITY PROJECT MANAGER FOR APPROVAL PRIOR TO FABRICATION AND INSTALLATION.

- REFER TO MANUFACTURER'S INSTALLATION & MAINTENANCE INSTRUCTIONS FOR OPTION INSTALLATION.
- INSTALL WITH MURDOCK MOUNTING PLATE.
- WATER IS OXYGEN-CLEAN-UP.
- WRAP UP PERFORATED PIPE IN A COARSE WEAVER FILTER FABRIC.
- WRAP UP WEAVER FABRIC. VERIFY WEAVER FABRIC REPORT RECOMMENDATIONS. WRAP UP TO BE LOCATED DIRECTLY UNDER THE MURDOCK MOUNTING PLATE. SEE PLAN FOR LOCATION OF DRAIN.

L1732 Murdock HI-LO DF-btl flr: GYQ84-CV-IAP-RAP rev 10/18
 N.T.S. RAP/CA

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

ENGINEERING

CITY OF LOS ANGELES

DATE: _____

NO. REVISIONS: _____

APPROVAL: _____

OFFICE: CENTRAL DISTRICT

CHECKED BY: _____

SIGNATURE: _____

DATE: _____

DATE: _____

NO. REVISIONS: _____

APPROVAL: _____

OFFICE: CENTRAL DISTRICT

CHECKED BY: _____

SIGNATURE: _____

DATE: _____

ENGINEER: BARBARA L. HALL, P.E., INC. DESIGN GROUP

DESIGNED BY: RANDY SETO

DRAWN BY: DONALD SETO

CHECKED BY: RANDY SETO

APPROVED BY: BARBARA L. HALL

CONSTRUCTION DETAILS

PROJECT: S. MCKINLEY AVENUE (W/S) SW CORNERS OF E. 87TH STREET

ADDRESS: 87TH ST. & MCKINLEY AVE. LOS ANGELES, CA

INDEX NO. P-39333

B. PERMITS BR003792

DATE: _____

NO. REVISIONS: _____

APPROVAL: _____

OFFICE: CENTRAL DISTRICT

CHECKED BY: _____

SIGNATURE: _____

DATE: _____

VAC-E1401340

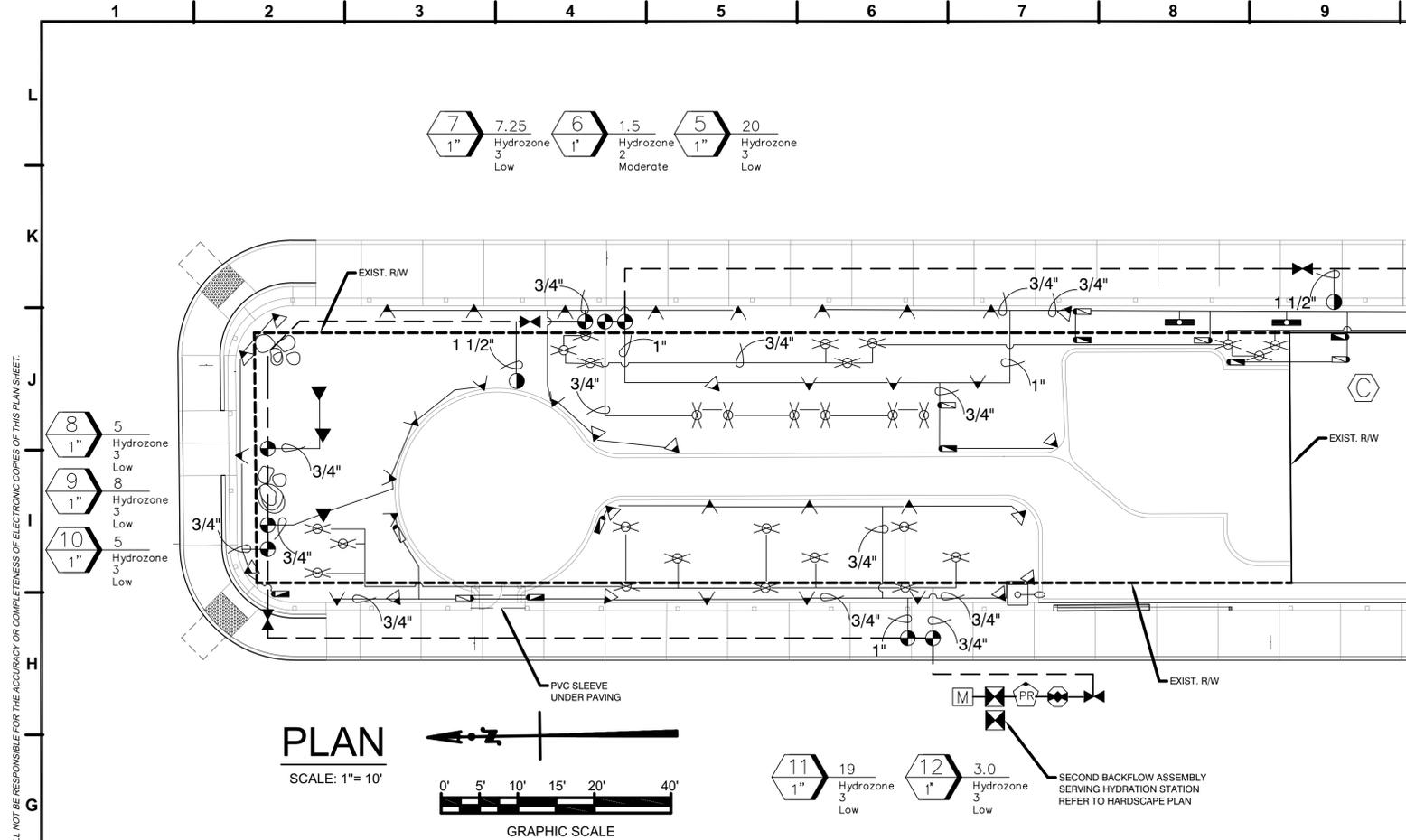
PLANS PREPARED BY:
Barbara L. Hall, P.E., Inc.
 318 West Evergreen Avenue, Monrovia, CA 61016
 Phone: (626) 266-3220 Fax: (626) 266-3218



ENGINEER SIGNATURE _____ DATE _____

DRAWING NO. 11

SHEET 11 OF 20 SHEETS



IRRIGATION NOTES

1. **SCOPE OF WORK:** THE CONTRACTOR SHALL PROVIDE ALL LABOR, TOOLS, MACHINERY AND PROCESSES NECESSARY TO INSTALL A COMPLETE IRRIGATION SYSTEM AS SHOWN ON THE PLANS AND/OR SPECIFIED HEREIN. WHEN COMPLETED, THE IRRIGATION SYSTEM SHALL BE IN TOTAL FUNCTIONING ORDER.

1.1 DESIGN IS DIAGRAMMATIC. ALL PIPING, VALVES, ETC. SHOWN WITHIN PAVED AREAS ARE FOR DESIGN CLARIFICATION ONLY AND SHALL BE INSTALLED IN PLANTING AREAS WHEREVER POSSIBLE UNLESS OTHERWISE NOTED. LOCATE ALL IRRIGATION HEADS A MINIMUM OF 3" FROM EDGE OF CURBS, WALLS, FENCES, AND/OR OTHER HARDSCAPE AREAS, 12" FROM BUILDING WALLS AND 24" FROM ALL CONCRETE PAVING SURFACES.

2. **GENERAL REQUIREMENTS:**

A. VERIFICATION OF DIMENSIONS: ALL SCALED DIMENSIONS ARE APPROXIMATE. BEFORE PROCEEDING WITH ANY WORK, THE CONTRACTOR SHALL CAREFULLY CHECK AND VERIFY ALL DIMENSIONS. SPACING OF DRIP EMITTERS, LOCATION OF VALVES AND VACUUM BREAKERS AND PROPOSED POINT OF CONNECTION SHALL BE AS INDICATED ON THE DRAWINGS. ANY DEVIATION FROM THE PLANS MUST HAVE THE APPROVAL OF THE LANDSCAPE ARCHITECT.

B. VERIFICATION OF FINISH GRADE: THE CONTRACTOR SHALL INSPECT THE SITE AND CHECK ALL FINISH GRADES WITHIN THE WORK AREA IN ORDER TO ENSURE THE PROPER SOIL COVERAGE (AS SPECIFIED) OF IRRIGATION PIPE SYSTEMS.

C. WATER SUPPLY: THE CONTRACTOR SHALL VERIFY AND BE FAMILIAR WITH THE SOURCE OF WATER SUPPLY TO THE IRRIGATION SYSTEM AS INDICATED ON THE DRAWINGS. VERIFY THE STATIC PSI AND THE GPM AT THE POINT OF CONNECTION PRIOR TO COMMENCEMENT OF WORK. CONTRACTOR TO VERIFY THAT SYSTEMS SUPPLIED WITH CROSS-CONNECTION/BACKFLOW DEVICE PER L.A. COUNTY HEALTH DEPARTMENT REQUIREMENTS. REDUCED PRESSURE BACKFLOW PREVENTION SHALL BE USED.

D. PERMITS AND FEES: THE CONTRACTOR SHALL APPLY FOR AND PAY FOR ALL NECESSARY PERMITS AND FEES REQUIRED IN THE PURSUIT OF HIS/HER WORK AS REQUIRED BY GOVERNING CODES.

E. GOVERNING REGULATIONS: ALL LOCAL, MUNICIPAL AND STATE LAWS, RULES AND REGULATIONS GOVERNING OR RELATING TO ANY PORTION OF THIS WORK ARE HEREBY INCORPORATED INTO AND MADE PART OF THESE SPECIFICATIONS, AND THEIR PROVISIONS SHALL BE CARRIED OUT BY THE IRRIGATION CONTRACTOR.

F. INSTALLATION: ALL IRRIGATION MATERIALS SHALL BE INSTALLED IN ACCORDANCE WITH THE TECHNIQUES AND SPECIFICATIONS SET FORTH BY EACH RESPECTIVE MANUFACTURER. ALL PERTINENT DESCRIPTIVE LITERATURE ISSUED BY THE MANUFACTURER BECOMES PART OF THESE SPECIFICATIONS AFTER HAVING BEEN APPROVED BY THE LANDSCAPE ARCHITECT. IRRIGATION SYSTEM SHALL HAVE AN AUTOMATIC CONTROLLER.

G. COVERAGE: CONTRACTOR SHALL PROVIDE 100% HEAD TO HEAD COVERAGE AND SHALL ADJUST ROTOR AND SIDE STRIP RADI AS NEEDED TO MINIMIZE OVERSPRAY INTO ANY/ALL PATHWAYS. PROVIDE COVERAGE TEST IN THE PRESENCE OF A RAP LANDSCAPE ARCHITECT.

H. SITE PROBLEMS: THE IRRIGATION CONTRACTOR SHALL NOT WILLFULLY INSTALL THE IRRIGATION SYSTEM AS INDICATED ON THE DRAWINGS WHEN IT IS OBVIOUS IN THE FIELD THAT THERE ARE UNKNOWN OBSTRUCTIONS, GRADE DIFFERENCES AND/OR DISCREPANCIES IN THE AREA DIMENSIONS UNTIL SUCH CONDITIONS ARE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT.

I. COORDINATION: COORDINATE ALL IRRIGATION WORK WITH RECS & PARKS STAFF FOR CORRECT PLACEMENT.

J. WATER PRESSURE: STATIC WATER PRESSURE VARIES FROM A HIGH OF 62 PSI TO A LOW OF 54 PSI PER INFORMATION PROVIDED BY HARBOR DISTRICT ENGINEERING AT LADWP WATER DISTRIBUTION. (213) 367-1232

IRRIGATION WITHIN THE PUBLIC RIGHT OF WAY

A. ALL IRRIGATION MAINLINE SHALL BE SCHEDULE 80 PVC, AND ALL LATERALS/SLEEVES SHALL BE SCHEDULE 40 PVC. SLEEVES SHALL BE 2X THE SIZE OF THE PIPE BEING SLEEVED. ALL IRRIGATION MAINLINE AND LATERALS SHALL BE A MINIMUM OF 3/8" SIZE.

B. CONTRACTOR SHALL PAY FOR ALL PERMITS AND CONSTRUCTION COSTS FOR THE DEPARTMENT OF WATER AND POWER (DWP) TO CONDUCT ANY STREET WORK (TRENCHING), MAINLINE/SLEEVE INSTALLATION IN THE STREET AND SUB-WATER METER INSTALLATION AND REDUCED PRESSURE BACKFLOW PREVENTER REVIEW. A BILLING ADDRESS MUST BE PROVIDED WHEN APPLYING FOR INSTALLATION OF THE SUB-WATER METERS. CONTRACTOR MUST FILE THE APPLICATION PRIOR TO START OF CONSTRUCTION. CONTRACTOR TO CONTACT THE CITY IN ORDER TO ESTABLISH UTILITY SERVICE AND BILLING ADDRESS. UTILITY SERVICE MUST BE ESTABLISHED PRIOR TO TREE/SHRUB INSTALLATIONS.

C. THE REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER, RELATED EQUIPMENT AND IRRIGATION CONTROLLER SHALL BE INSTALLED ON PRIVATE PROPERTY.

D. ALL IRRIGATION EQUIPMENT (FOR BOTH CONCRETE AND LANDSCAPE AREAS) SHALL BE INSTALLED IN TRAFFIC-RATED CONCRETE VALVE BOXES WITH HINGED METAL LIDS. ALL VALVE BOX LIDS SHALL BE EMBOSSED WITH THE INITIALS OF ITS CONTENTS IN MIN. 1-1/2" HIGH LETTERS: RCV, QCV, ARV, FV, ET. IRRIGATION EQUIPMENT INCLUDES REMOTE CONTROL VALVES, FLUSH VALVES, AIR RELIEF VALVES, QUICK COUPLERS ETC.

E. ALL IRRIGATION MAINLINES WITHIN THE PUBLIC RIGHT OF WAY SHALL BE 24" BELOW FINISH GRADE. ALL IRRIGATION LATERALS WITHIN THE PUBLIC RIGHT OF WAY SHALL BE 12" BELOW FINISH GRADE. BELOW VEHICULAR ACCESS AREAS, IRRIGATION MAINLINES WITHIN THE PUBLIC RIGHT OF WAY SHALL BE 36" BELOW FINISH GRADE, SLEEVED.

F. ALL IRRIGATION SHALL BE POP-UP SPRAY/BUBBLER HEADS AND/OR SUB-SURFACE DRIP IRRIGATION. NO FIXED RISERS AR ALLOWED WITHIN THE PUBLIC RIGHT OF WAY.

G. DIRECT BURIAL WIRE SHALL BE #14 GAUGE AND SHALL BE PLACED AT 24" BELOW GRADE TAPED TO MAINLINE WHERE APPLICABLE.

H. ALL DRIP IRRIGATION SHALL BE SUBSURFACE TYPE, A MINIMUM OF 4" TO 6" BELOW FINISH GRADE, NOT INCLUDING MULCH

IRRIGATION LEGEND

SYMBOL	NUMBER	DESCRIPTION	NOZZLE GPM	OPERATING PSI	OPERATING RADIUS (FEET)	
	RWS-M-B-C-1401	RAINBIRD ROOT-WATERING SYSTEM BUBBLER. THREE PER TREE	0.25	30	TRICKLE	DETAIL 1 & 2, SHEET 15
	1812-PRS-15Q; -15H; -15-F	RAINBIRD 15 SERIES MPR NOZZLES RAINBIRD 1812-PRS 12" SPRAY BODY	0.92 1.85 3.70	30	15	DETAIL 8, SHEET 14
	1812-PRS-15RCS; -15LCS 1812-PRS-15CST	RAINBIRD 15 STRIP SERIES MPR NOZZLES RAINBIRD 1812-PRS 12" SPRAY BODY	0.61 1.21	30	4 X 15 4 X 30	DETAIL 8, SHEET 14
	PGA-PRS-D SERIES	RAINBIRD REMOTE CONTROL VALVE W/ PRESSURE REGULATOR, SEE PLAN CALLOUT FOR SIZE				DETAIL 6, SHEET 14
	RAINBIRD 44-LRC	RAINBIRD QUICK COUPLER 1" 44KEY & HOSE SWIVEL. SECURE TO 3/4" GALV. STEEL PIPE W/ (2) STAINLESS STEEL CLAMPS				DETAIL 7, SHEET 14
	NIBCO 1" T-113	GATE VALVE, NON-RISING STEM, SOLID WEDGE GATE VALVE				DETAIL 5, SHEET 14
	BERMAD 1" IR-910	MODEL, NORMALLY OPEN. 24 AC INSTALL PER. MFG. CONNECT TO CONTROLLER: RAINBIRD SD210 DECODER				DETAIL 6, SHEET 14
	FEBCO 825Y 1"	REDUCED PRESSURE TYPE BACKFLOW DEVICE W/ LINE SIZE WYE STRAINER. INSTALL IN ENCLOSURE. LOCATE ON PRIVATE PROPERTY				DETAIL 2, 3, 4 SHEET 14
	WILKINS 1"	PRESSURE REGULATOR MODEL 500XL				DETAIL 2, SHEET 14
	RAINBIRD ESP-LXD 2-WIRE	CONTROLLER. LOCATE ON PRIVATE PROPERTY. USE PVC CONDUIT FOR WIRE BURIAL (NO DIRECT BURIAL). INSTALL IN METAL ENCLOSURE.				DETAIL 1, SHEET 14
	RAINBIRD WR2-RFC	RAIN SENSOR.				DETAIL 1, SHEET 14
	M	EXISTING 1" WATER METER				
		IRRIGATION TRENCHING & PVC SLEEVING				DETAIL 9, SHEET 14
		CONCRETE VALVE BOXES				DETAIL 3, SHEET 15

STATION NUMBER
FLOW (GPM)
REMOTE CONTROL VALVE SIZE (IN INCHES)

MAIN LINE: 1" 1120-SCHEDULE 40 PVC PLASTIC PIPE WITH SCHEDULE 40 PVC SOLVENT WELD FITTINGS. 18" COVER. IF LOCATED WITHIN PUBLIC R/W, MAINLINE MUST BE SCHEDULE 80 PVC PLASTIC PIPE WITH SCHEDULE 80 PVC SOLVENT WELD FITTINGS. 24" COVER.

LATERAL LINE: 1120-SCHEDULE 40 PVC PLASTIC PIPE WITH SCHEDULE 40 PVC SOLVENT WELD FITTINGS. 12" COVER.

SLEEVING: 1120-SCHEDULE 40 PVC PLASTIC PIPE AND MINIMUM 2x SIZE OF MAINLINE PIPE WITHIN WHEN LOCATED IN PUBLIC R/W 36" MINIMUM COVER UNDER VEHICULAR ACCESS AREAS. COVER TO BE AS INDICATED IN SPECIFICATIONS OR AS INDICATED ABOVE FOR PIPE DEPTH OF COVER.

Inell Woods Park Hydrozone Chart

- 3/9/2014
- 1. Hydrozone Table
- 2. Maximum Applied Water Use
- 3. Estimated Total Water Use

1. HYDROZONE CALCULATION TABLE
Eto = 49.68

HYDROZONE	WATER USE TYPE	IRRIGATION METHOD	EFFICIENCY (IE)	PLANT FACTOR (PF)	TOTAL AREA (HA) (SQ. FT)	PF X HA	ETWU	PERCENTAGE OF LANDSCAPE
1 - TURF	MOD	EPIC + BUBBLER	0.9	0.6	3161	1897	64909	42%
2 - CITRUS	MOD	EPIC + BUBBLER	0.9	0.4	410	164	18241	5%
3 - LANDSCAPE	LOW	EPIC + BUBBLER	0.9	0.2	4060	812	27790	53%
					7631		110941	100%

2. MAXIMUM APPLIED WATER ALLOWANCE (MAWA) :: Gallons per Year

MAWA = (Eto)[0.62][LA*0.7] + (0.3 * SLA)
 Eto = Reference Evapotranspiration (inches per year)
 0.62 = Conversion Factor (to gallons)
 LA = Landscape Area including SLA (sq. ft)
 0.7 = ET Adjustment Factor
 0.3 = Additional Water Allowance for SLA
 SLA = Special Landscape Area (sq. ft)
 MAWA = (49.68)(0.62)[7631*0.7] + (0.3 * 410) = 168,322

3. ESTIMATED TOTAL WATER USE (ETWU) :: Gallons per Year

ETWU = (Eto)[0.62][PF*HA/IE + SLA]
 Eto = Reference Evapotranspiration (inches per year)
 0.62 = Conversion Factor (to gallons)
 PF = Plant Factor for hydrozones
 HA = Hydrozone Area (sq. ft)
 IE = Irrigation Efficiency (0.90 bubbler)
 ETWU = (49.68)(0.62)[0.375 * 7631/0.9 + 410] = 110,565



VAC-E1401340

Barbara L. Hall, P.E., Inc.
 3118 West Evergreen Avenue, Monrovia, CA 61016
 Phone: (626) 256-3220 Fax: (626) 256-3218

ENGINEERING
CITY OF LOS ANGELES

BUREAU OF ENGINEERING

DATE: _____

DESIGNED BY: _____

DRAWN BY: _____

CHECKED BY: _____

APPROVED BY: _____

PROJECT: S. MCKINLEY AVENUE (W/S) SW CORNERS OF E. 87TH STREET

ADDRESS: 87TH ST. & MCKINLEY AVE. LOS ANGELES, CA

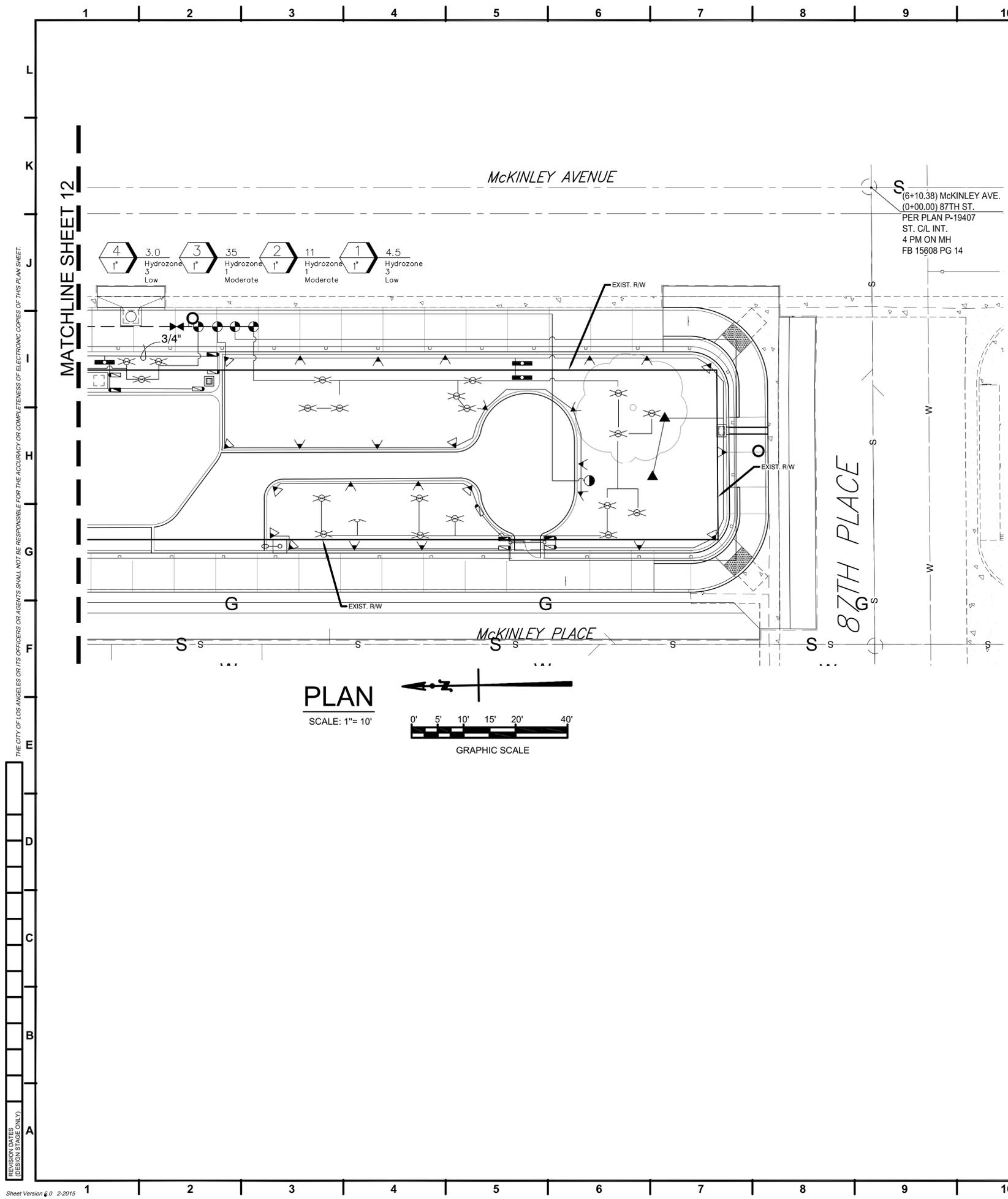
IRRIATION PLAN

DRAWING NO. 12

SHEET 12 OF 20 SHEETS

INDEX NO. P-39333

B. PERMITS BR003792

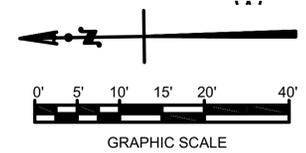


IRRIGATION LEGEND

SYMBOL	NUMBER	DESCRIPTION	NOZZLE GPM	OPERATING PSI	OPERATING RADIUS (FEET)	
	RWS-M-B-C-1401	RAINBIRD ROOT-WATERING SYSTEM BUBBLER. THREE PER TREE	0.25	30	TRICKLE	DETAIL 1 & 2, SHEET 15
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	1812-PRS-15RCS; -15LCS 1812-PRS-15CST	RAINBIRD 15 STRIP SERIES MPR NOZZLES RAINBIRD 1812-PRS 12" SPRAY BODY	0.61 1.21	30	4 X 15 4 X 30	DETAIL 8, SHEET 14
	PGA-PRS-D SERIES	RAINBIRD REMOTE CONTROL VALVE W/ PRESSURE REGULATOR, SEE PLAN CALLOUT FOR SIZE				DETAIL 6, SHEET 14
	RAINBIRD 44-LRC	RAINBIRD QUICK COUPLER 1" 44KEY & HOSE SWIVEL SECURE TO 3/4" GALV. STEEL PIPE W/ (2) STAINLESS STEEL CLAMPS				DETAIL 7, SHEET 14
		NIBCO 1" T-113 GATE VALVE, NON-RISING STEM, SOLID WEDGE GATE VALVE				DETAIL 5, SHEET 14
		FLOW METER & MASTER VALVE: BERMAID 1" IR-910 MODEL, NORMALLY OPEN. 24 AC INSTALL PER. MFG. CONNECT TO CONTROLLER: RAINBIRD SD210 DECODER				DETAIL 6, SHEET 14
		FEBCO 825Y 1" REDUCED PRESSURE TYPE BACKFLOW DEVICE W/ LINE SIZE WYE STRAINER. INSTALL IN ENCLOSURE. LOCATE ON PRIVATE PROPERTY				DETAIL 2, 3, 4 SHEET 14
		WILKINS 1" PRESSURE REGULATOR MODEL 500XL				DETAIL 2, SHEET 14
		RAINBIRD ESP-LXD 2-WIRE CONTROLLER. LOCATE ON PRIVATE PROPERTY. USE PVC CONDUIT FOR WIRE BURIAL (NO DIRECT BURIAL). INSTALL IN METAL ENCLOSURE.				DETAIL 1, SHEET 14
		RAINBIRD WR2-RFC RAIN SENSOR.				DETAIL 1, SHEET 14
	M	EXISTING 1" WATER METER				
		IRRIGATION TRENCHING & PVC SLEEVING				DETAIL 9, SHEET 14
		CONCRETE VALVE BOXES				DETAIL 3, SHEET 15

	STATION NUMBER
	FLOW (GPM)
	REMOTE CONTROL VALVE SIZE (IN INCHES)
	MAIN LINE: 1" 1120-SCHEDULE 40 PLASTIC PIPE WITH SCHEDULE 40 PVC SOLVENT WELD FITTINGS. 18" COVER. IF LOCATED WITHIN PUBLIC R/W, MAINLINE MUST BE SCHEDULE 80 PVC PLASTIC PIPE WITH SCHEDULE 80 PVC SOLVENT WELD FITTINGS. 24" COVER.
	LATERAL LINE: 1120-SCHEDULE 40 PVC PLASTIC PIPE WITH SCHEDULE 40 PVC SOLVENT WELD FITTINGS. 12" COVER.
	SLEEVING: 1120-SCHEDULE 40 PVC PLASTIC PIPE AND MINIMUM 2x SIZE OF MAINLINE PIPE WITHIN WHEN LOCATED IN PUBLIC R/W 36" MINIMUM COVER UNDER VEHICULAR ACCESS AREAS. COVER TO BE AS INDICATED IN SPECIFICATIONS OR AS INDICATED ABOVE FOR PIPE DEPTH OF COVER.

PLAN
SCALE: 1"= 10'



BUREAU OF ENGINEERING

DEPARTMENT OF PUBLIC WORKS

CITY OF LOS ANGELES

ENGINEERING

CITY OF LOS ANGELES

B - PERMITS

BR003792

P-39333

INDEX NO.

DATE BY:

NO. REVISIONS:

BUREAU OF ENGINEERING APPROVAL:

OFFICE CENTRAL DISTRICT

DESIGNED BY:

CHECKED BY:

SIGNATURE:

DATE:

WORK ACCEPTED

SERIAL NO.

DATE:

DESIGN GROUP:

ENGINEER:

DESIGNED BY:

DRAWN BY:

CHECKED BY:

APPROVED BY:

BARBARA L. HALL, P.E., INC.

BARBARA L. HALL

RANDY SETO

DONALD SETO

RANDY SETO

BARBARA L. HALL

SHEET TITLE:

IRRIGATION PLAN

PROJECT: S. MCKINLEY AVENUE (W/S) SW CORNERS OF E. 87TH STREET

ADDRESS: 87TH ST. & MCKINLEY AVE. LOS ANGELES, CA

DRAWING NO.

13

SHEET 13 OF 20 SHEETS

VAC-E1401340

PLANS PREPARED BY:

Barbara L. Hall, P.E., Inc.

318 West Evergreen Avenue, Monrovia, CA 61016

Phone: (626) 256-3220 Fax: (626) 256-3218

ENGINEER SIGNATURE

DATE

VERTICAL CONTROL: BM #18-12951 & BM #18-12970 NSV088 2000ADJ.

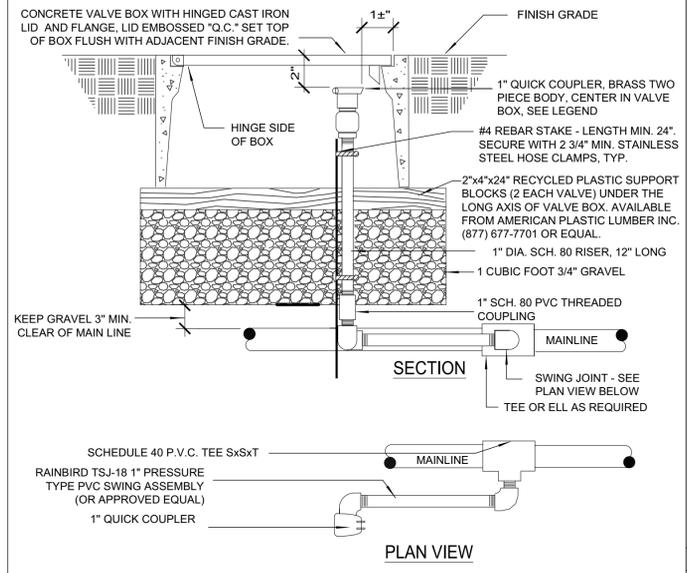
HORIZONTAL CONTROL: SEE PLAN SHEETS FOR CONTROL LINE REFERENCE

PLANS PREPARED BY: (DESIGN STAGE ONLY)

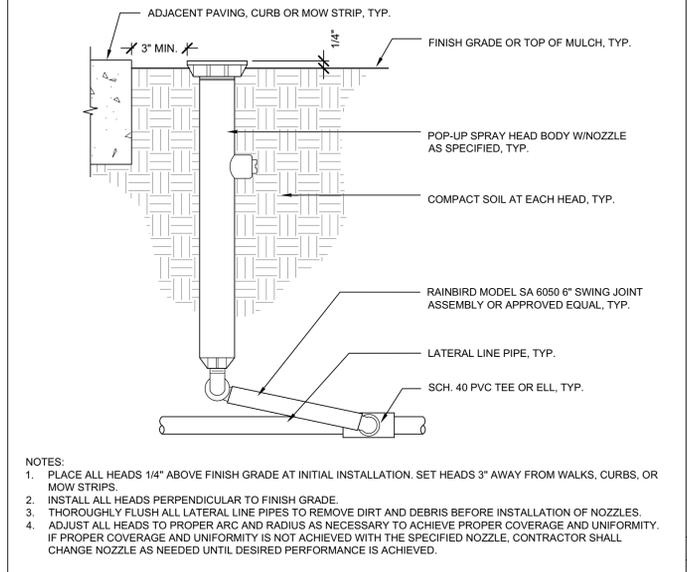
THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

Sheet Version # 0 2-2015

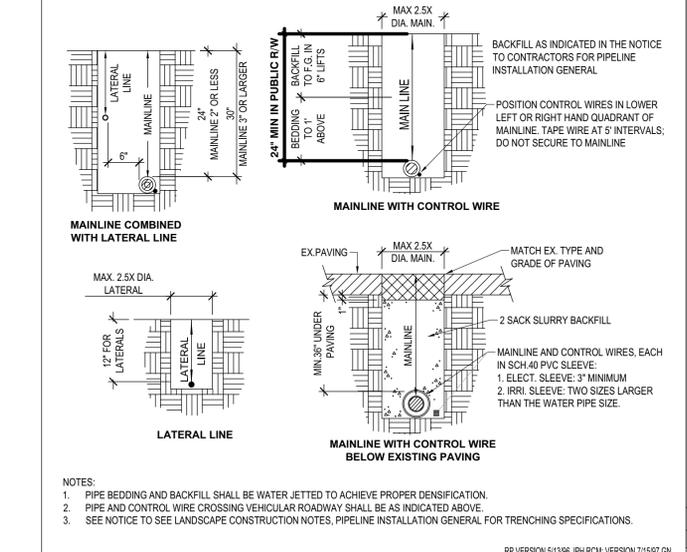
THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.



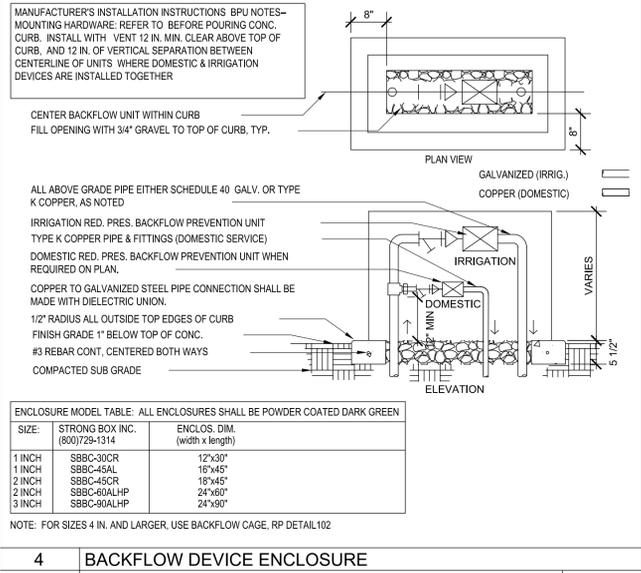
7 QUICK COUPLER INSTALLATION (2" MAINLINE OR SMALLER)
N.T.S. RP DETAIL 120



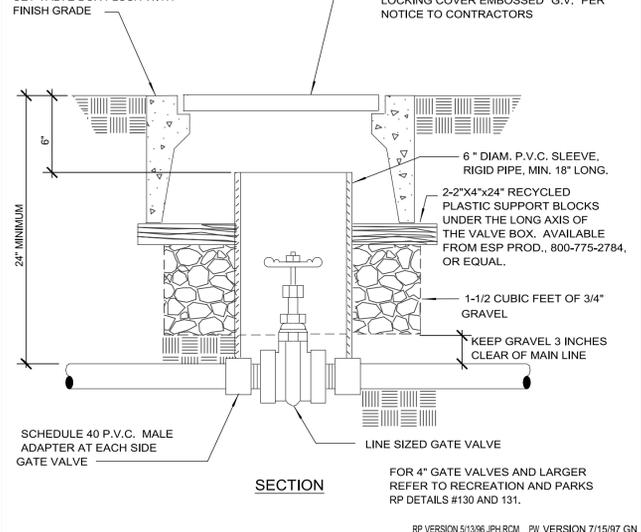
8 POP-UP SPRAY HEAD INSTALLATION
N.T.S. RP DETAIL 162



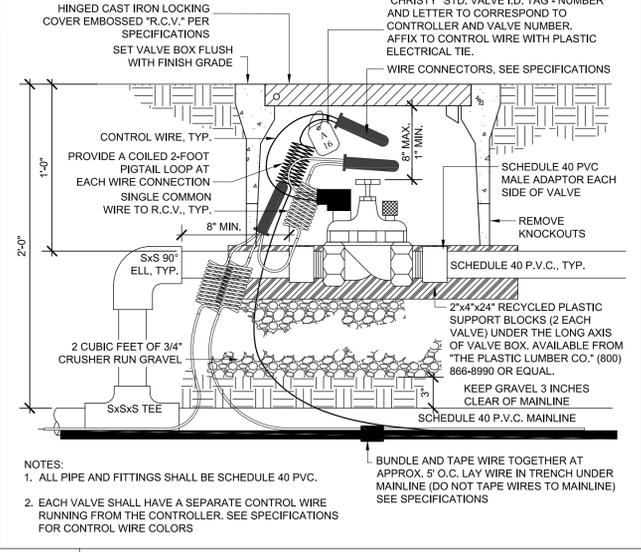
9 IRRIGATION TRENCHING DETAIL
N.T.S. RP DETAIL 135



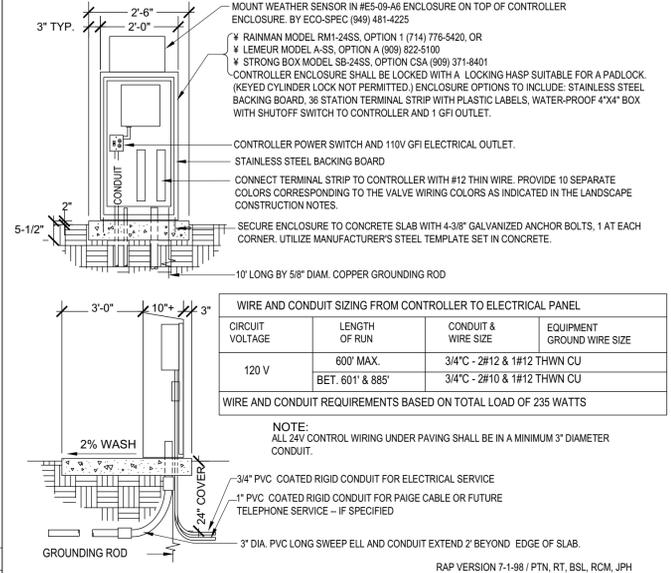
4 BACKFLOW DEVICE ENCLOSURE
N.T.S. RP DETAIL 101



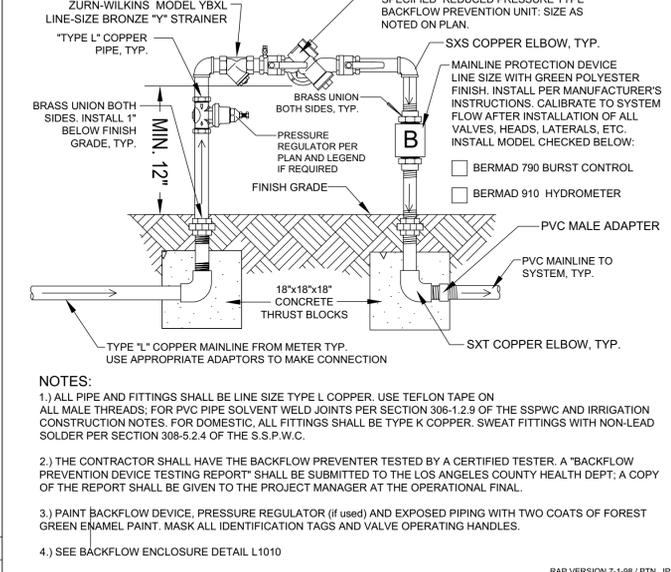
5 GATE VALVE INSTALLATION, 3/4" TO 3"
N.T.S. RP DETAIL 110



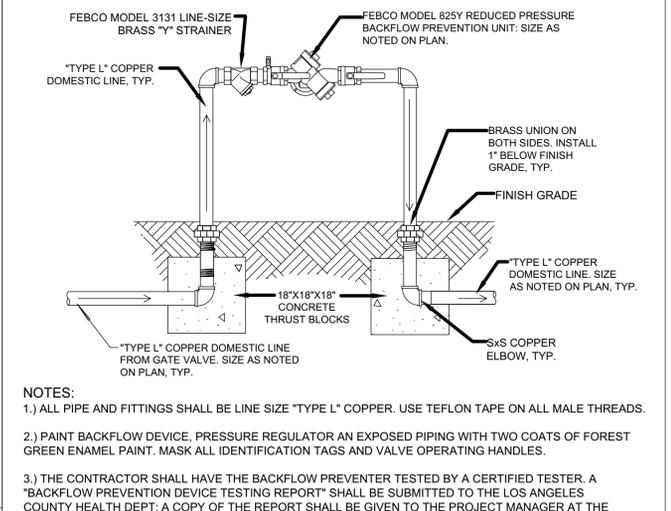
6 RCV INSTALLATION
N.T.S. RP DETAIL 140



1 CONTROLLER AND ENCLOSURE
N.T.S. BOE VERSION JAN07 RP DETAIL 1470



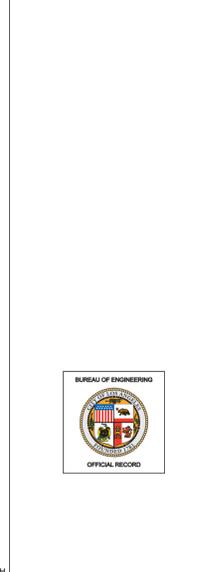
2 BACKFLOW PREVENTION UNIT, 3/4" TO 2" SIZE
N.T.S. BOE VERSION June/09 - RF, SD RP DETAIL L1000



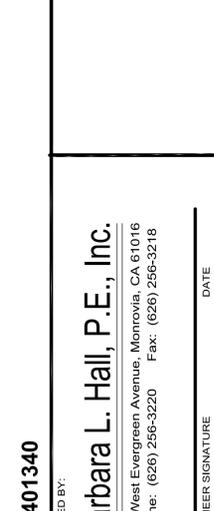
3 DOMESTIC LINE BACKFLOW PREVENTION UNIT
N.T.S. RP DETAIL 100



10 IRRIGATION TRENCHING DETAIL
N.T.S. RP DETAIL 135



11 GATE VALVE INSTALLATION, 3/4" TO 3"
N.T.S. RP DETAIL 110



12 CONTROLLER AND ENCLOSURE
N.T.S. BOE VERSION JAN07 RP DETAIL 1470

PLANS PREPARED BY:
Barbara L. Hall, P.E., Inc.
318 West Evergreen Avenue, Monrovia, CA 61016
Phone: (626) 256-3220 Fax: (626) 256-3218

BUREAU OF ENGINEERING
CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

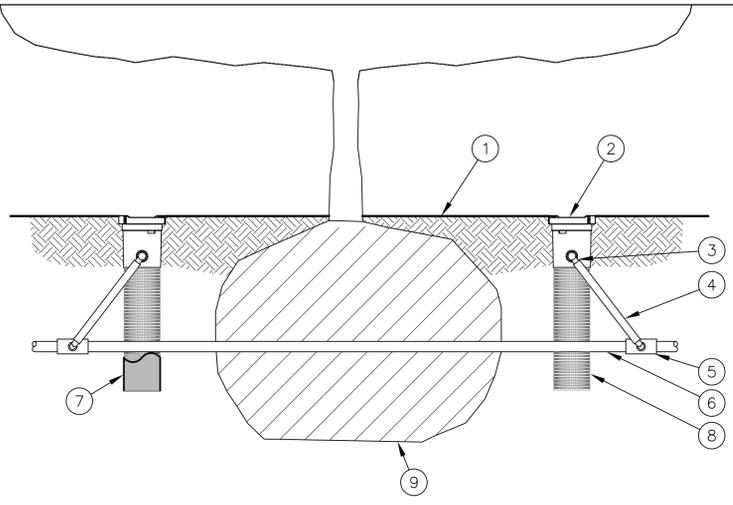
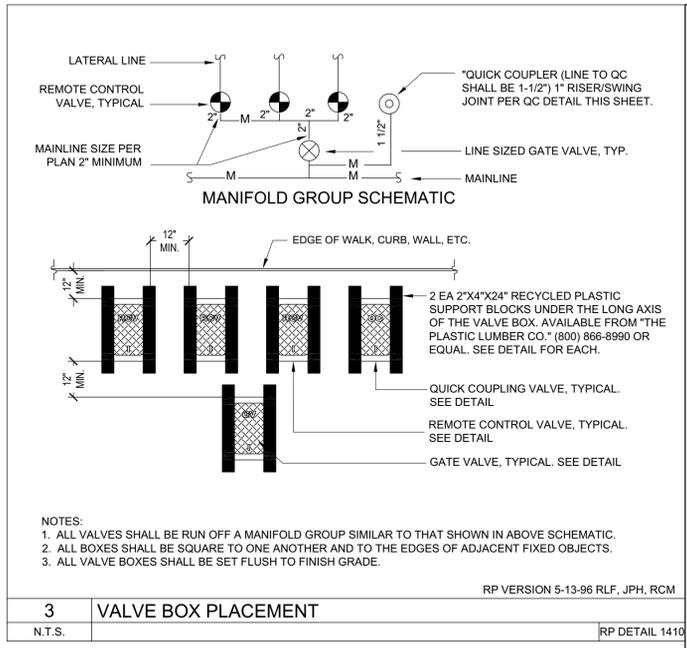
ENGINEER: BARBARA L. HALL
DESIGNED BY: RANDY SETO
DRAWN BY: DONALD SETO
CHECKED BY: RANDY SETO
APPROVED BY: BARBARA L. HALL

BUREAU OF ENGINEERING APPROVAL:
OFFICE CENTRAL DISTRICT
CHECKED BY: DATE: SIGNATURE: DATE: WORK ACCEPTED

DATE: NO. REVISIONS: SERIAL NO. B. PERMITS INDEX NO. BR003792 P-39333

SHEET TITLE: IRRIGATION DETAILS
PROJECT: S. MCKINLEY AVENUE (W/S) SW CORNERS OF E. 87TH STREET
ADDRESS: 87TH ST. & MCKINLEY AVE. LOS ANGELES, CA

DRAWING NO. 14 SHEET 14 OF 20 SHEETS

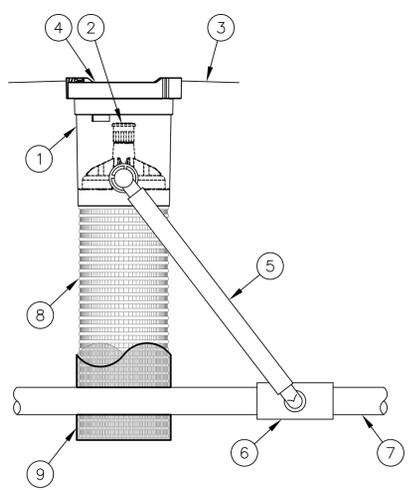


- ① FINISH GRADE NOT INCLUDING TOP OF MULCH
- ② ROOT WATERING SYSTEM: RAIN BIRD RWS-M
- ③ 1/2" SPIRAL BARB FITTING (INCLUDED)
- ④ 1/2" SWING ASSEMBLY: RAIN BIRD SA-125050 OR
1/2" SWING PIPE: RAIN BIRD SP SERIES WITH 1/2" MALE NPT x 0.490" BARB ELBOW: RAIN BIRD SBE-050
- ⑤ PVC SCH 40 TEE OR EL
- ⑥ PVC OR POLYETHYLENE LATERAL PIPE
- ⑦ OPTIONAL SOCK (RWS-SOCK) FOR SANDY SOILS
- ⑧ 4" WIDE X 18" LONG RIGID BASKET WEAVE CANISTER (INCLUDED)
- ⑨ PLANT ROOT BALL

- NOTES:
1. POSITION 2-3 UNITS (OR MORE) EVENLY SPACED AROUND PLANT. FOR NEW TREES PLACE NEAR ROOT BALL. FOR EXISTING TREES PLACE HALF THE DISTANCE BETWEEN CANOPY EDGE AND TREE TRUNK.
2. INSTALL PRODUCT WITH TOP EVEN WITH FINISH GRADE OR THE TOP OF MULCH
3. INSTALL THE FOLLOWING RWS-M SERIES MODEL:
RWS-M-B-C-1401: 0.25 GPM, CHECK VALVE
4. WHEN INSTALLING IN EXTREMELY HARD OR CLAY SOILS, ADD 3/4" (1.9 CM) GRAVEL UNDER AND AROUND THE UNIT TO ALLOW FASTER WATER INFILTRATION AND ROOT PENETRATION.
5. ONCE RWS-M HAS BEEN INSTALLED FILL THE BASKET WITH PEA GRAVEL BEFORE LOCKING LID.
6. OPTIONAL RWS-SOCK FOR USE IN SANDY SOILS.

1 ROOT WATERING SYSTEM **RWS-M** 07-19-2013
N.T.S. INSTALLATION FOR TREES

NET Detail Sheets_2022 @ PERMIT



- ① RAIN BIRD RWS-M-B-C-1401 (INCLUDES RETAINER, 18" TUBE, 0.25 GPM BUBBLER & INTEGRATED CHECK VALVE, 4" GRATE, 1/2" M NPT INLET SPIRAL BARB ELBOW)
- ② BUBBLER: RAIN BIRD 1401 0.25 GPM (INCLUDED)
- ③ FINISH GRADE, NOT INCLUDING TOP OF MULCH
- ④ 4" LOCKING GRATE (INCLUDED)
- ⑤ 1/2" SWING ASSEMBLY: RAIN BIRD SA-125050 OR
1/2" SWING PIPE: RAIN BIRD SP SERIES WITH 1/2" MALE NPT x 0.490" BARB ELBOW: RAIN BIRD SBE-050
- ⑥ PVC SCH 40 TEE OR EL
- ⑦ PVC OR POLYETHYLENE LATERAL PIPE
- ⑧ 4" WIDE X 18" LONG RIGID BASKET WEAVE CANISTER (INCLUDED)
- ⑨ OPTIONAL SOCK (RWS-SOCK) FOR SANDY SOILS

- NOTES:
1. 4" GRATE IS ALSO AVAILABLE IN PURPLE (RWS-GRATE-P).
2. INSTALL PRODUCT SO THAT THE GRATE IS EVEN WITH FINISH GRADE OR TOP OF MULCH.
3. OPTIONAL SAND SOCK (RWS-SOCK) IS 34" IN LENGTH. CUT TO LENGTH NEEDED TO COVER MESH BASKET AREA.
4. WHEN INSTALLING IN EXTREMELY HARD OR CLAY SOILS, ADD 3/4" GRAVEL UNDER AND AROUND THE UNIT TO ALLOW FASTER WATER INFILTRATION AND ROOT PENETRATION.
5. ONCE RWS-M HAS BEEN INSTALLED FILL THE BASKET WITH PEA GRAVEL BEFORE LOCKING LID.

2 ROOT WATERING SYSTEM **RWS-M-B-C-1401** 07-19-2013
N.T.S.

NET Detail Sheets_2022 @ PERMIT



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DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
DESIGN GROUP: BARBARA L. HALL, P.E., INC.
ENGINEER: BARBARA L. HALL
DESIGNED BY: RANDY SETO
DRAWN BY: DONALD SETO
CHECKED BY: RANDY SETO
APPROVED BY: BARBARA L. HALL

IRRIATION DETAILS
PROJECT: S. MCKINLEY AVENUE (W/S) SW CORNERS OF E. 87TH STREET
ADDRESS: 87TH ST. & MCKINLEY AVE. LOS ANGELES, CA

VAC-E1401340
DATE

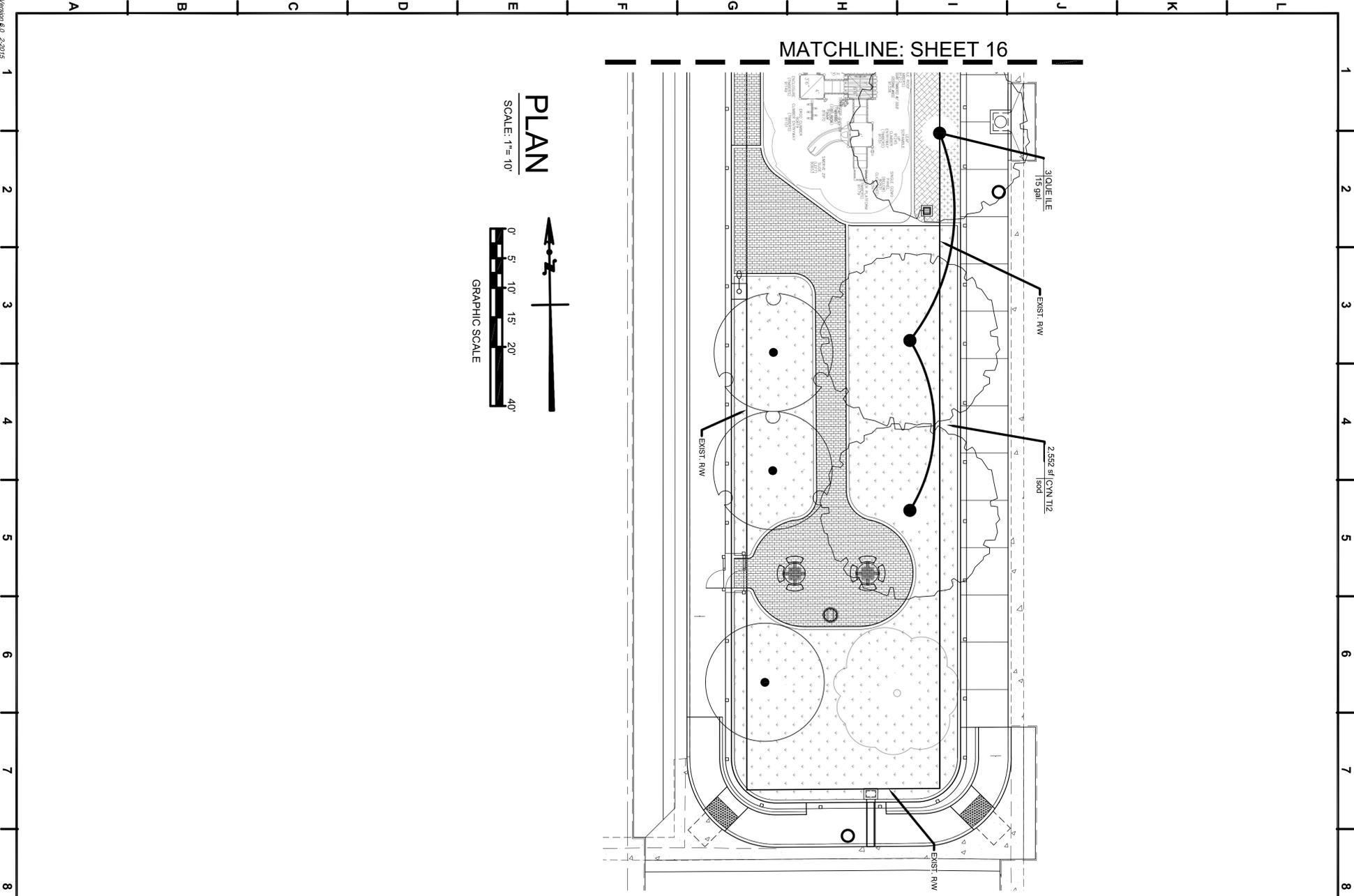
DRAWING NO. 15
SHEET 15 OF 20 SHEETS

BUREAU OF ENGINEERING
ENGINEERING CITY OF LOS ANGELES

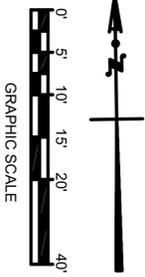
NO. REVISIONS: [] DATE BY: []

WORK ACCEPTED SERIAL NO. B. PERMITS INDEX NO. P-39333 BR003792

BUREAU OF ENGINEERING APPROVAL: OFFICE: CENTRAL DISTRICT CHECKED BY: DATE: SIGNATURE: []



PLAN
SCALE: 1"= 10'



PLANT SCHEDULE

TREES	CODE	BOTANICAL / COMMON NAME	SIZE	REMARKS
	ARB MRN	Arbutus x Marina / Marina Strawberry Tree Standard	15 gal	For all Trees: Refer to Planting Detail 1. WUCOLS Low Water Use
	CAS LEP	Casahuate / Gold Medallion Tree	15 gal	WUCOLS Moderate Water Use
	CIT EUR	Chius x Iron Eucaly / Eucaly Lemon	15 gal	WUCOLS Moderate Water Use
	HET ARB	Hemerocallis arifolia / Toyon	15 gal	WUCOLS Very Low Water Use
	QUETLE	Quercus laevis / Holly Oak	15 gal	WUCOLS Low Water Use
	SAW MEX	Sambucus mexicana / Mexican Elderberry	15 gal	WUCOLS Low Water Use
	DIP AUR	Diplopenthes aurea / Sticky Monkeyflower	1 gal	For all shrubs: Refer to Planting Detail 2. Sheet 19 for planting in RW Plant min 18" o.c. from pavements WUCOLS Very Low Water Use
	ERI VAN	Eriogonum fasciculatum / California Buckwheat	1 gal	WUCOLS Low Water Use
	ERI FAS	Eriogonum fasciculatum / California Buckwheat	1 gal	Plant min 18" o.c. from pavements WUCOLS Very Low Water Use
	ERI CON	Eriophyllum confertiflorum / Golden Yarrow	1 gal	WUCOLS Very Low Water Use
	MUH RIG	Muhlenbergia rigens / Deer Grass	1 gal	Plant min 18" o.c. from pavements WUCOLS Low Water Use
	PEN MAR	Penstemon heterophyllus 'Margatta BOP' / Margatta BOP Penstemon	1 gal	WUCOLS Low Water Use
	SAL WIN	Salvia clevelandii 'Winifred Gilman' / Winifred Gilman Cleveland Sage	1 gal	WUCOLS Very Low Water Use
	SIS BEL	Sisymbrium bellum / Blue-eyed Grass	1 gal	WUCOLS Low Water Use
	BAC SMA	Baccharis pilularis Santa Ana / Santa Ana Coyote Bush	1 gal	WUCOLS Very Low Water Use
	CYN T12	Cynodon x Tifton 328 / Tifgreen Bermudagrass	sod	WUCOLS Moderate Water Use
	ERI SUL	Eriogonum umbellatum / Sulflower Buckwheat	1 gal	Substitute Arctostaphylos Pacific Miter if not available. Plant 1 GAL containers at 48" o.c. WUCOLS Low Water Use
	SAL BEE	Salvia x Bees Bliss / Bees Bliss Sage	1 gal	WUCOLS Low Water Use



VAC-E1401340

PLANS PREPARED BY:
Barbara L. Hall, P.E., Inc.
318 West Evergreen Avenue, Monrovia, CA 61016
Phone: (626) 256-3220 Fax: (626) 256-3218

<p>CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING</p> <p>17</p> <p>SHEET 17 OF 20 SHEETS</p>	<p>VERTICAL CONTROL: BM #18-12931 & BM #18-12970 NGVD88 2000ADJ.</p> <p>HORIZONTAL CONTROL: SEE PLAN SHEETS FOR CONTROL LINE REFERENCE</p>	<p>BARBARA L. HALL, P.E., INC.</p> <p>DESIGN GROUP</p>	<p>BUREAU OF ENGINEERING APPROVAL:</p> <p>OFFICE: CENTRAL DISTRICT</p> <p>CHECKED BY:</p>	<p>NO. REVISIONS:</p> <p>DATE: BY:</p>	
	<p>SHEET TITLE: PLANTING PLAN</p>	<p>ENGINEER: BARBARA L. HALL</p> <p>DESIGNED BY: RANDY SETO</p> <p>DRAWN BY: DONALD SETO</p> <p>CHECKED BY: RANDY SETO</p> <p>APPROVED BY: BARBARA L. HALL</p>	<p>SIGNATURE: DATE:</p>	<p>WORK ACCEPTED SERIAL NO.</p>	<p>B - PERMITS BR003792</p>
	<p>PROJECT: S. MCKINLEY AVENUE (W/S) S/W CORNERS OF E. 87TH STREET</p>	<p>ADDRESS: 87TH ST. & MCKINLEY AVE. LOS ANGELES, CA</p>	<p>INDEX NO. P-39333</p>	<p>CITY OF LOS ANGELES</p>	<p>CITY OF LOS ANGELES</p>
	<p>DRAWING NO.</p>	<p>DATE</p>	<p>DATE</p>	<p>DATE</p>	<p>DATE</p>



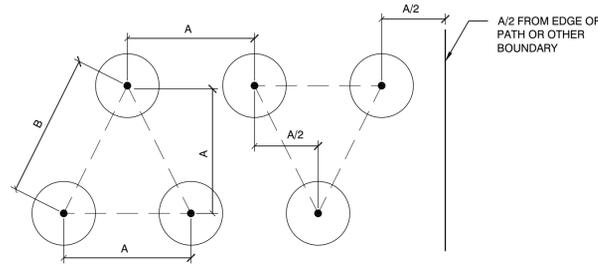
Producers and Installers of
Premium Peat Grown Sod
Grown on Biodegradable Netting

Native Bentgrass™

The industry's 1st choice for native lawn areas. Native Bentgrass™ delivers excellent durability, exceptional recovery and a dark green turf mat.

- *Agrostis pallens*

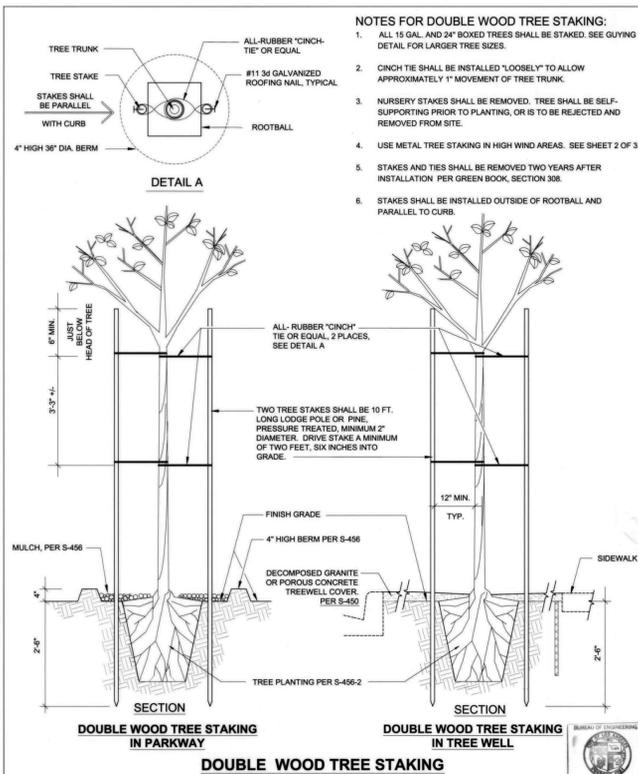
- Medium leaf texture
- Thrives in full sun and partial shade
- Withstands low mowing heights
- Strong sod mat provides effective weed barrier
- Extremely drought tolerant
- Uniform growth habit
- Excellent wear recovery due to self repairing rhizomes



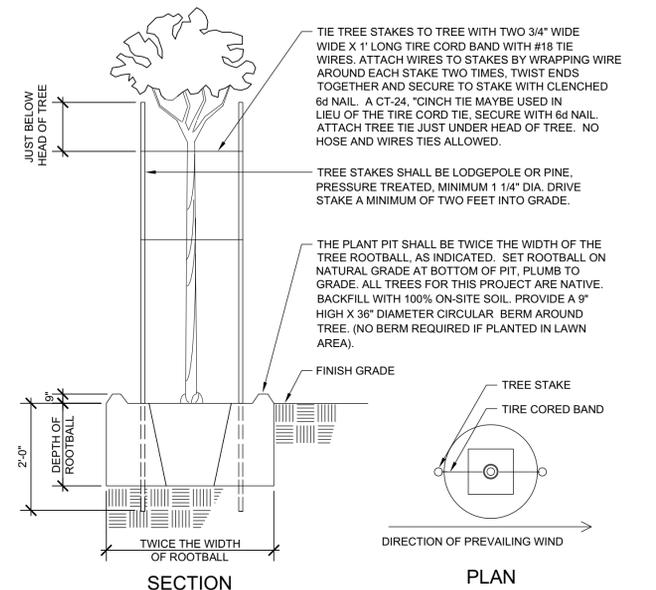
3 GROUND COVER SPACING

SCALE: 1" = 1'-0"

012 -

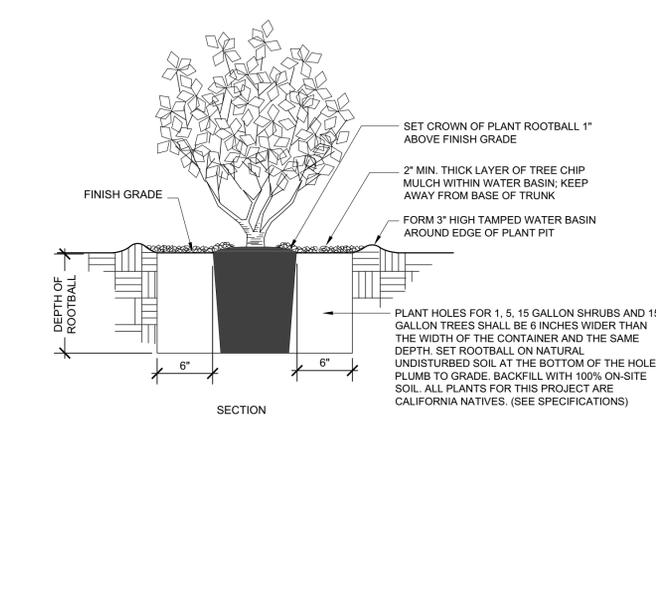


BUREAU OF ENGINEERING		DEPARTMENT OF PUBLIC WORKS		CITY OF LOS ANGELES	
TREE STAKING AND GUYING DETAILS			STANDARD PLAN		
S-663-1			S-663-1		
PREPARED	SUBMITTED	APPROVED	SUPERSEDES	REFERENCES	
BARBARA L. HALL, P.E., INC.	BARBARA L. HALL	BARBARA L. HALL	S-663-0	S-450	
			B-3906	S-456	
CHECKED			VAULT INDEX NUMBER: 4727		
BARBARA L. HALL, P.E.			SHEET 1 OF 3 SHEETS		
DEPUTY CITY ENGINEER					



1 TREE PLANTING & 2 STAKING, FOR PRIVATE PROPERTY ONLY

N.T.S. DETAIL 244



2 SHRUB PLANTING DETAIL

N.T.S. RP DETAIL 203

BUREAU OF ENGINEERING

ENGINEERING

CITY OF LOS ANGELES

DATE: _____

NO. REVISIONS: _____

WORK ACCEPTED

INDEX NO. P-39333

B. PERMITS BR003792

BUREAU OF ENGINEERING APPROVAL:

OFFICE: CENTRAL DISTRICT

CHECKED BY: _____

SIGNATURE: _____

DATE: _____

DESIGN GROUP: BARBARA L. HALL, P.E., INC.

ENGINEER: BARBARA L. HALL

DESIGNED BY: RANDY SETO

DRAWN BY: DONALD SETO

CHECKED BY: RANDY SETO

APPROVED BY: BARBARA L. HALL

PLANTING DETAILS

PROJECT: S. MCKINLEY AVENUE (W/S) SW CORNERS OF E. 87TH STREET

ADDRESS: 87TH ST. & MCKINLEY AVE. LOS ANGELES, CA

DATE: _____

ENGINEER SIGNATURE: _____

DRAWING NO. 18

SHEET 18 OF 20 SHEETS

VAC-E1401340

Barbara L. Hall, P.E., Inc.
318 West Evergreen Avenue, Monrovia, CA 61016
Phone: (626) 256-3220 Fax: (626) 256-3218

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

NOTICE TO CONTRACTORS GENERAL NOTES

- 1. ALL WORK SHALL CONFORM TO THE LATEST BOARD OF PUBLIC WORKS OF THE CITY OF LOS ANGELES ADOPTED EDITION AND SUPPLEMENTS TO THE "GREENBOOK STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION" AS MODIFIED BY THE CORRESPONDING ISSUE OF THE BROWN BOOK, THE LATEST EDITION OF THE BUREAU OF STREET LIGHTING "SPECIAL SPECIFICATIONS", AND THE SPECIAL PROVISIONS.
2. ELECTROLIERS SHALL BE INSTALLED WITH CENTERLINE 30" BEHIND THE CURB FACE, AND WITH LUMINAIRE ARM ORIENTED OVER THE STREET AND PERPENDICULAR TO ITS CENTERLINE, EXCEPT AS OTHERWISE SPECIFIED HEREON.
3. ELECTROLIERS SPECIFIED TO BE LOCATED INSIDE OF THE CURB RETURN SHALL BE INSTALLED WITH THE CENTER OF THE ELECTROLIER 30 INCHES BEHIND THE CURB FACE MEASURED RADIALLY, AND WITH THE LUMINAIRE ARM ORIENTED OVER THE STREET AND PERPENDICULAR TO THE STREET CENTERLINE.
4. ELECTROLIERS SHALL BE ERECTED SO THAT THE BASE DOOR IS PERPENDICULAR TO THE CURB AND LOCATED ON THE SIDE OF THE ELECTROLIER AWAY FROM ONCOMING TRAFFIC.
5. ALL EXISTING ELECTROLIERS SPECIFIED TO BE REMOVED OR MODIFIED ON THIS PLAN SHALL BE MAINTAINED IN SERVICE UNTIL THE NEW ELECTROLIER LIGHTING SYSTEM IS PLACED IN SERVICE. UNLESS OTHERWISE SPECIFIED HEREON, ALL OTHER ELECTROLIERS ON CIRCUITS AFFECTED BY THIS PLAN SHALL BE MAINTAINED IN SERVICE. CONTRACTOR MAY PROVIDE ALTERNATE LIGHTING IN LIEU OF MAINTAINING EXISTING ELECTROLIER LIGHTS IN SERVICE PROVIDED THAT SUCH ARRANGEMENTS ARE APPROVED BY THE ENGINEER.
6. ALL EQUIPMENT REQUIRED HEREON FOR FURNISHING ELECTRICAL SERVICE FOR EACH CIRCUIT SHALL BE INSTALLED AND INSPECTED PRIOR TO ANY OTHER CONSTRUCTION ON THAT CIRCUIT UNLESS OTHERWISE APPROVED BY THE ENGINEER.
7. THE CONTRACTOR SHALL GIVE WRITTEN NOTICE, 72 HOURS IN ADVANCE OF THE REMOVAL OF AN ELECTROLIER, TO ANY PUBLIC AGENCY MAINTAINING EQUIPMENT SUPPORTED BY THAT ELECTROLIER.
8. FOUNDATIONS AND PULLBOXES NOT REMAINING IN SERVICE SHALL BE REMOVED. THE RESULTING EXCAVATION SHALL BE FILLED WITH MATERIAL SIMILAR TO ADJACENT MATERIAL AND SATISFACTORILY COMPACTED WITH A MECHANICAL COMPACTOR IN LAYERS NOT EXCEEDING 12 INCHES. THE SURFACE SHALL BE FINISHED TO MATCH THE ADJACENT SURFACE.
9. THE CONTRACTOR SHALL REQUEST A BURN TEST BY NOTIFYING THE BUREAU OF CONTRACT ADMINISTRATION PROJECT INSPECTOR A MINIMUM OF 7 CALENDAR DAYS IN ADVANCE OF THE DATE ON WHICH A BURN TEST IS DESIRED.
10. CONTRACTOR SHALL GIVE THREE WORKING DAYS NOTICE (PHONE 323-913-4744) PRIOR TO DELIVERY OF ANY EQUIPMENT SPECIFIED TO BE DELIVERED TO THE BUREAU OF STREET LIGHTING YARD AT 4550 SANTA MONICA BLVD., SUCH DELIVERIES SHALL BE BETWEEN 9:00 AM AND 2:00 PM, MONDAY THRU THURSDAY AND SHALL INCLUDE ALL HANDLING AND LOADING FROM THE TRUCK BY THE CONTRACTOR. CONTRACTOR MUST SUPPLY A COPY OF THE STREET LIGHTING SHEETS WITH THE DELIVERY OF MATERIAL.
11. PULLBOXES LOCATED ADJACENT TO DRIVEWAYS AND ALLEYS SHALL BE INSTALLED AT A MINIMUM DISTANCE OF FIVE FEET FROM THE TOP OF THE "X" OF A CASE 1 OR CASE 2 DRIVEWAY OR AT A MINIMUM DISTANCE OF TWO FEET FROM THE B.C. OF A CASE 3 OR CASE 4 DRIVEWAY OR FIVE FEET FROM TRAVELLED WAY OF THE ALLEY.
12. PULLBOXES INSTALLED AT INTERSECTIONS OF LOCAL STREET SHALL BE INSTALLED NO CLOSER TO THE INTERSECTIONS THAN THE B.C.R. OF AN ASSUMED FUTURE 25' RADIUS CURB RETURN UNLESS OTHERWISE APPROVED BY THE ENGINEER. PULLBOXES INSTALLED AT INTERSECTIONS WHICH INVOLVE ONE OR MORE MAJOR OR SECONDARY STREETS SHALL BE INSTALLED NO CLOSER TO INTERSECTIONS THAN THE B.C.R. OF AN ASSUMED FUTURE 35' RADIUS CURB RETURN UNLESS OTHERWISE APPROVED BY THE ENGINEER.
13. CONDUIT SHALL BE INSTALLED AROUND ALL EXISTING AND/OR PROPOSED CATCH BASINS PER BUREAU OF STREET LIGHTING STANDARD DRAWING NO. L-304-0 UNLESS OTHERWISE SPECIFIED.
14. ALL SCREWS PROVIDED FOR ELECTROLIER STANDARD BASE DOORS AND BASE COVERS SHALL BE CADMIUM PLATED STEEL, 1/4"-20NC MACHINE SCREWS, WITH PHILLIPS RECESSED ROUND HEADS.
15. UNLESS OTHERWISE SPECIFIED HEREON, LUMINAIRES SHALL PROVIDE A MEDIUM, CUTOFF, TYPE III LIGHTING DISTRIBUTION PATTERN CONFORMING TO I.E.S DESIGNATION.
16. CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING THE CONDITION OF ALL EXISTING EQUIPMENT TO BE REUSED, MODIFIED OR RETURNED TO THE BUREAU OF STREET LIGHTING YARD.
17. EQUIPMENT INDICATED "DISPOSE" SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND BE DISPOSED OF BY THE CONTRACTOR.
18. STREET LIGHTING CONDUIT SHALL BE INSTALLED BY JACKING OR DRILLING METHODS. INSTALLATION OF CONDUIT BY OPEN TRENCHING IS NOT PERMITTED UNLESS APPROVED BY THE DIRECTOR, BUREAU OF STREET LIGHTING.
19. CONTRACTOR SHALL REPAIR AT HIS COST, THE DAMAGE CAUSED TO EXISTING SPRINKLER SYSTEMS DURING THE CONSTRUCTION OF THIS PROJECT. REPAIRS SHALL BE MADE WITHIN 5 WORKING DAYS AFTER DAMAGE OCCURS.
20. ALL ELECTROLIERS SPECIFIED HEREON SHALL INCLUDE A TYPE 2 PULLBOX, TO BE SUPPLIED AND INSTALLED, UNLESS OTHERWISE SPECIFIED.
21. CONTRACTOR SHALL BE RESPONSIBLE TO ALL EXISTING ELECTROLIERS SPECIFIED TO BE RELOCATED AND MODIFIED ON THIS PLAN. PRIOR TO REINSTALLATION, CONTRACTOR SHALL REPAIR OR REPLACE ALL EXISTING STREET LIGHTING FACILITIES FOUND TO BE DAMAGED PRIOR TO START OF OR DURING THE CONSTRUCTION OF THIS PROJECT AT NO COST TO THE CITY.

SUPPLEMENTAL NOTES

- 1. CONTRACTOR SHALL LOCATE & PROTECT SUBSTRUCTURE(S) SHOWN HEREON, & SHALL PROVIDE FOR A MINIMUM 12" HORIZONTAL CLEARANCE BETWEEN FOUNDATION & SUBSTRUCTURES. IN THE EVENT A 12" CLEARANCE CANNOT BE ACHIEVED, THE CONTRACTOR SHALL MAKE ARRANGEMENTS FOR RELOCATION OF SUBSTRUCTURES AT NO COST TO THE CITY.
2. IN THE EVENT OF OVERHEAD LINES CONFLICT WITH ELECTROLIERS THE CONTRACTOR SHALL MAKE NECESSARY ARRANGEMENTS WITH THE DEPT. OF WATER AND POWER TO RAISE THEIR OVERHEAD FACILITIES IN ORDER TO PROVIDE FOR THE FOLLOWING CLEARANCES WITH EXISTING AND/OR PROPOSED ELECTROLIERS.
LOW VOLTAGE: MINIMUM 3' CLEARANCE BETWEEN OVERHEAD LINES AND ELECTROLIERS
HIGH VOLTAGE: MINIMUM 6' CLEARANCE BETWEEN OVERHEAD LINES AND ELECTROLIERS
3. STREET TREES SHALL NOT BE PLANTED CLOSER THAN 20' FROM EXISTING OR PROPOSED ELECTROLIER, UNLESS OTHERWISE INDICATED.
4. IN THE EVENT OF OVERHEAD COMMUNICATION LINE CONFLICT WITH ELECTROLIERS, CONTRACTOR SHALL MAKE NECESSARY ARRANGEMENTS TO PROVIDE A MINIMUM 12" CLEARANCE.
5. PROPOSED ELECTROLIER FOUNDATIONS AND PULLBOXES SHALL BE INSTALLED OUTSIDE OF ACCESS RAMP AREAS. EXISTING FOUNDATIONS AND PULLBOXES SHALL BE RECONSTRUCTED TO CLEAR ACCESS RAMPS BY A MINIMUM OF 12". EXISTING CONDUIT SHALL BE LOWERED AS NECESSARY PER SEC. 307-2.5 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
6. CONDUIT THAT IS TO BE ABANDONED SHALL HAVE WIRES REMOVED. THE CONDUIT SHALL BE REMOVED TO A DEPTH OF AT LEAST 12" BELOW THE SURFACE AND HAVE BOTH ENDS CRIMPED.
7. NOTWITHSTANDING SECTION 16950.2 OF THE SPECIAL SPECIFICATIONS FOR THE CONSTRUCTION STREET LIGHTING SYSTEMS MAGNETIC REGULATING BALLASTS ARE REQUIRED IN ALL COBRA-HEAD LUMINAIRES.
8. ALL #10 AWG WIRES USED FOR MULTIPLE CIRCUIT ELECTROLIER WIRING REFERENCED IN STANDARD DRAWING NO. L-301-1 SHALL BE #10 AWG SOLID COPPER CONDUCTORS.
9. AT LEAST TWO (2) WORKING DAYS PRIOR TO STARTING ANY EXCAVATION, THE CONTRACTOR MUST OBTAIN AN INQUIRY I.D. NUMBER FROM UNDERGROUND SERVICE ALERT BY CALLING (800) 422-4133 OR BY DIALING 811.

SERIES CIRCUIT NOTES

- 1. WARNING: SAFETY CLEARANCE SHALL BE OBTAINED DAILY FROM THE SERVING COMPANY (213) 367-9968 AND "MEN AT WORK" SIGNS SHALL BE POSTED AT THE SERVICE POINT BEFORE ANY WORK IS DONE OR ANY CONNECTIONS MADE ON AN EXISTING CIRCUIT. SEE SECTIONS 16430 AND 2100 OF "SPECIAL SPECIFICATIONS" (BLUE BOOK).
2. SERIES CIRCUIT WIRE SHALL BE NO. 8 AWG SOLID COPPER CONDUCTOR, INSULATED WITH 0.110" APPROVED POLYETHYLENE COMPOUND RATED FOR 5000 VOLT OPERATION.
3. TWO OR MORE TURNS OF SELF-ADHESIVE COLORED TAPE WITH A MINIMUM WIDTH OF 1/2 INCH SHALL BE APPLIED TO EACH CABLE IN ALL SERIES CIRCUITS WHERE WORK IS BEING DONE AND WHERE TWO OR MORE CIRCUITS EXIST IN A COMMON PULLBOX OR POST BASE. THE TAPE SHALL BE APPLIED ON THE CABLE BETWEEN THE SPLICES AND THE CONDUIT, USING ONE COLOR FOR EACH CIRCUIT. THE COLORS WHITE, GRAY, GREEN, AND ORANGE SHALL NOT BE USED.

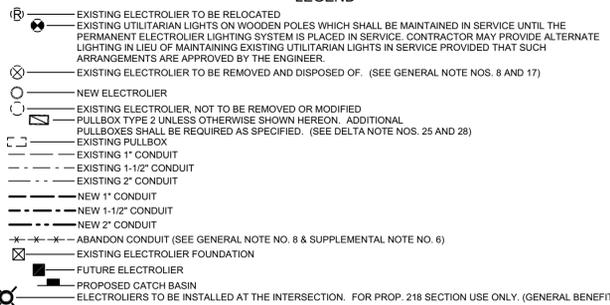
CIRCUIT DIAGRAM LEGEND



MULTIPLE CIRCUIT NOTES

- 1. WARNING: SAFETY CLEARANCE SHALL BE PERFORMED DAILY BY THE QUALIFIED CONTRACTOR RESPONSIBLE FOR THE CONSTRUCTION OF THE PROJECT BEFORE DOING ANY WORK OR MAKING ANY CONNECTIONS ON AN EXISTING CIRCUIT. SEE SECTION 2100 OF "SPECIAL SPECIFICATIONS" (BLUE BOOK).
2. MULTIPLE CIRCUIT WIRE SHALL BE NO. 8 AWG STRANDED COPPER CONDUCTOR, TYPE THW/THWN INSULATION, UL APPROVED FOR 600 VOLT OPERATION UNLESS OTHERWISE SPECIFIED HEREON.
3. THREE WIRES (COLOR CODE: 1-RED, 1-BLACK, 1-WHITE) SHALL BE INSTALLED IN ALL MULTIPLE CIRCUIT CONDUIT UNLESS OTHERWISE PROVIDED FOR HEREON.
4. EVEN NUMBERED ELECTROLIERS SHALL BE CONNECTED TO RED AND WHITE WIRES AND ODD NUMBERED ELECTROLIERS SHALL BE CONNECTED TO BLACK AND WHITE WIRES.
5. ELECTROLIERS SHALL BE WIRED PER TYPICAL MULTIPLE CIRCUIT ELECTROLIER WIRING DETAIL, BUREAU OF STREET LIGHTING STANDARD DRAWING NO. L-301-1, UNLESS OTHERWISE SPECIFIED.
6. MULTIPLE CIRCUITS IN CONDUITS CONTAINING MORE THAN THREE CONDUCTORS SHALL BE APPROPRIATELY IDENTIFIED BY LABELING CONDUCTORS "A", "B", "C", WITH APPROVED SELF-LAMINATING LETTER TAPE WRAPPED AT LEAST TWICE AROUND THE CONDUCTOR IN EACH PULLBOX. (W.H. BRADY, SPECIAL SELF-LAMINATING TAPE MARKERS OR EQUIVALENT)

LEGEND



NOTICE TO CONTRACTORS (CONTINUED) MATERIAL LIST

FOLLOWING IS A SUMMARY OF NEW ELECTROLIERS, LUMINAIRES, LAMPS, BALLASTS, FOUNDATIONS, AND OTHER EQUIPMENT WHICH SHALL BE SUPPLIED AND INSTALLED BY THE CONTRACTOR. THIS IS NOT INTENDED TO BE A COMPLETE LIST OF ALL MATERIALS REQUIRED.

Table with columns: SYMBOL, ITEM, QUANTITY, DESCRIPTION, STANDARD PLAN NO., REV. NO., NOMINAL WATTAGE. Includes items like ELECTROLIER, LUMINAIRE, and LAMP.

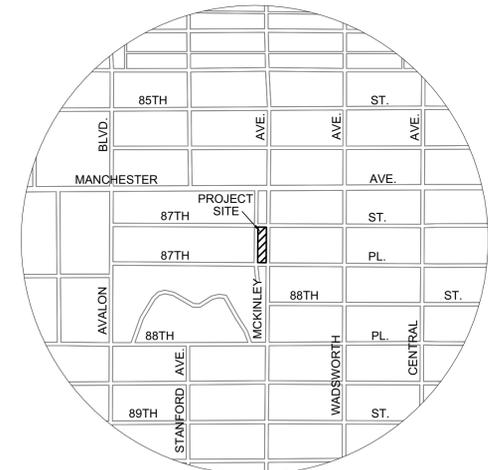
- * ELECTROLIER WITHOUT HAND HOLE.
** SET LUMINAIRE TO I.E.S., MEDIUM, CUTOFF, TYPE III LIGHTING DISTRIBUTION.
*** FOR REFERENCE ONLY. SEE LADOT TRAFFIC SIGNAL PLAN FOR ELECTROLIER INSTALLATION DETAILS.

MATERIAL LIST NOTES

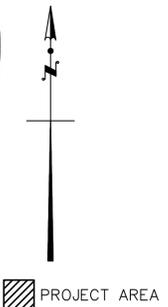
- 1. ALL COBRAHEAD TYPE LUMINAIRES SHALL BE INSTALLED WITHOUT STARTER AND ADHERE TO GENERAL NOTE 15. ALL HPS LAMPS WITH COBRAHEAD TYPE LUMINAIRES SHALL BE "EYE IGNITION" PER CORRESPONDING EYE LIGHTING INTERNATIONAL OF NORTH AMERICA CATALOG #'S AS FOLLOWS, OR BSL APPROVED EQUAL:
1503-59707, 2003-59914, 2503-60012, 3103-60050, 4003-60110
2. ALL LED LUMINAIRES REGARDLESS OF WATTAGE ON LOW VOLTAGE, MULTIPLE CIRCUITS SHALL BE EQUIPPED WITH A REMOTE MONITORING NODE. THE UNIT SHOULD BE PICKED UP AT THE BUREAU'S PLAN COUNTER AT 1149 S. BROADWAY, SUITE #200, LOS ANGELES, CA 90015. THE UNITS WILL BE PROVIDED FOR A NON-REFUNDABLE FEE (LATEST UNIT PRICE TO APPLY AT TIME OF PICK UP). THE CONTRACTOR SHALL GIVE SEVEN (7) WORKING DAYS NOTICE (TELEPHONE 213-847-1498) PRIOR TO PICKING UP THE MONITORING UNITS. NODES SHALL BE INSTALLED INTO THE PHOTOELECTRIC CONTROL STANDARD SOCKET PER IN5/NEMA C-136.10 AND SHALL BE ORIENTED IN A NORTHERLY DIRECTION. A SEPARATE P.E. CELL IS NOT REQUIRED FOR LUMINAIRES EQUIPPED WITH A REMOTE MONITORING NODE.

PLAN OF ELECTROLIER LIGHTING SYSTEM

Table showing street layout with columns: STREET, FROM, TO. Includes streets like 87TH ST. (L), MCKINLEY PL. (L), and MCKINLEY AVE. (C).



VICINITY MAP SCALE: 1" = 500'



ALL CONSTRUCTION IS PROHIBITED ON MAJOR AND SECONDARY STREETS BETWEEN: 6:00 A.M. TO 9:00 A.M. 3:30 P.M. TO 7:00 P.M.

NOTICE TO CITY INSPECTOR/CONTRACTOR

- 1. THIS PROJECT IS IMPACTED BY PROPOSITION 218. ELECTROLIER(S) SPECIFIED HEREON SHALL NOT BE INSTALLED UNTIL THE LEGAL REQUIREMENTS OF PROPOSITION 218 HAVE BEEN SATISFIED. THE CITY INSPECTOR SHALL CONTACT THE BUREAU OF STREET LIGHTING ENGINEERING AND TECHNICAL SERVICES DIVISION AT (213) 847-1431 FOR CONSTRUCTION CLEARANCE. UNDERGROUND FACILITIES MAY BE INSTALLED PRIOR TO PROPOSITION 218 CONSTRUCTION CLEARANCE.
2. STREET LIGHTING EQUIPMENT THE STREET LIGHTING EQUIPMENT ON THIS PLAN MAY BE SUBJECT TO CHANGE ("GREEN BOOK" 2006 §307-1.3). THE CONTRACTOR SHALL NOT ORDER ANY NEW STREET LIGHTING EQUIPMENT PRIOR TO APPROVAL BY THE BUREAU OF STREET LIGHTING, EQUIPMENT APPROVAL SECTION (M-40 FORM). CONTACT AT (213) 847-1831 OR bslm40@lacity.org FOR MORE INFORMATION.
3. STREET LIGHTING CIRCUIT CLEARANCE
HIGH VOLTAGE CIRCUIT CLEARANCE REQUESTS SHALL BE MADE TO THE DEPARTMENT OF WATER & POWER-SLM AT (213) 367-9966 AND SHALL BE PERFORMED BY LADWP CREWS. FOR DETAILED HIGH VOLTAGE CIRCUIT CLEARANCE PROCEDURES, SEE SECTION 16430 OF "SPECIAL SPECIFICATIONS" (BLUE BOOK).
LOW VOLTAGE CIRCUIT CLEARANCE SHALL BE PERFORMED BY THE QUALIFIED CONTRACTOR RESPONSIBLE FOR THE CONSTRUCTION OF THE PROJECT. FOR DETAILED LOW VOLTAGE CIRCUIT CLEARANCE PROCEDURES, SEE bslm40city.org (CLICK ON THE BUSINESS/CONTRACTORS LINK)
PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL SUBMIT FINAL PLANS (IN HIGH RESOLUTION PDF) ELECTRONICALLY TO HTTP://NAVIGATELACITY.ORG/NAVIGATELA/ UNDER THE LINK LADWP-STREET LIGHTING UNMETERED SERVICE POINT REQUEST (http://arcg.is@xxg4), THEN NOTIFY THE CON AD INSPECTOR TO SUBMIT "CONSTRUCTION START NOTICE" AND "M21" FORMS. WHEN READY, THE CONTRACTOR SHALL CONTACT DWP-SLM AT (213) 367-9966 TO SCHEDULE THE WORK.
4. TELECOMMUNICATION EQUIPMENT CONTRACTOR SHALL NOTIFY THE CO-LOCATION STREET LIGHTING ENGINEER AT (213) 847-1818 A MINIMUM OF SEVEN (7) WORKING DAYS PRIOR TO WORKING ON ANY ELECTROLIER, WITH EXISTING TELECOMMUNICATION EQUIPMENT, WHICH REQUIRES REMOVAL AND/OR RELOCATION.



VAC-E1401340 S. MCKINLEY AVENUE (W/S) S/W CORNER OF E. 87TH ST. BR-003792

MIGUEL SANGALANG, EXECUTIVE DIRECTOR ACCEPTED BY: [Signature] 04/12/23 DATE



PLANS PREPARED BY: KOA 300 Corporate Pointe, Suite 470 Culver City, California 90230 PH (310) 473 6508 F (310) 444 9771 www.koacorp.com [Signature] 4/6/23 DATE



BP/PERMIT/2022/09/08/2022

DEPARTMENT OF PUBLIC WORKS BUREAU OF STREET LIGHTING CITY OF LOS ANGELES

CONTRACT SUMMARY SHEET

TO: THE OFFICE OF THE CITY CLERK,
COUNCIL/PUBLIC SERVICES DIVISION
ROOM 395, CITY HALL

DATE: March 25, 2016

FROM (DEPARTMENT): Recreation and Parks

CONTACT PERSON: Armando X. Bencomo PHONE: (213) 202-2640

CONTRACT NO.: C-127290

COUNCIL FILE NO.: 14-1457-S1

ADOPTED BY COUNCIL: 11/25/2015
DATE

APPROVED BY BPW: _____
DATE

- NEW CONTRACT
- AMENDMENT NO. 1
- ADDENDUM NO. _____
- SUPPLEMENTAL NO. _____
- CHANGE ORDER NO. _____

CONTRACTOR NAME: Heal the Bay

TERM OF CONTRACT: 3/17/16 THROUGH: _____

TOTAL AMOUNT: - \$0 -

PURPOSE OF CONTRACT:

the acquisition, development, and construction of new parks in Los Angeles, beginning with the southwest corner of McKinley Avenue and 87th Street, known as WAYS Park

DONATION AGREEMENT
BETWEEN CITY OF LOS ANGELES
AND HEAL THE BAY
FOR DEVELOPMENT AND CONSTRUCTION OF
WAYS PARK

This Donation Agreement ("Agreement") for Development and Construction of New Park(s) in City of Los Angeles is entered as of MARCH 16, 2016 by and between City of Los Angeles acting by and through its Board of Recreation and Park Commissioners ("Board") a California municipal corporation, and Heal the Bay ("HTB"), a 501(c)(3) nonprofit organization California, and the (Board and together with HTB, the "Parties" and each a "Party").

RECITALS

WHEREAS, HTB, seeks to create neighborhood parks and green space in Los Angeles that enhances the natural environment and provides recreational opportunities for all members of the community, particularly focusing in areas which are under-served by existing park space.

WHEREAS, Department of Recreation and Parks (RAP) wants to see new park(s) ("Prospective Parks") built by HTB, particularly in an area that is under-served by existing parks and recreation facilities, and RAP commits to accepting conveyance of the Prospective Parks and to maintaining the Prospective Parks and improvements (defined below) once built, for the benefit of the community.

Whereas, this Agreement shall be subject to, and contingent upon, successful grant application(s) resulting in one or more grant agreements (each a "Grant Agreement") to award grant funds in support of the development and construction of recreational facilities and other improvements ("Improvements") to be built upon the prospective property which is described in Exhibit A, attached hereto, which list may be amended over time by the mutual written agreement of the Parties. The terms of this Agreement shall apply to Prospective Parks.

WHEREAS, where sufficient grants are successfully awarded, HTB shall coordinate the development and construction of a Prospective Parks. As indicated on Exhibit A, it is anticipated that the Prospective Parks property will be conveyed to RAP.

WHEREAS, HTB in 2009 successfully secured a \$1,328,843.00 California State Parks Grant through Proposition 84 that provided the full funding for the development and construction of "improvements" to the Prospective Park property.

WHEREAS, HTB has asked to partner with RAP to perform the "Park Development Phase," which shall consist of HTB (i) developing a conceptual plan for the Improvements, using the results of outreach to be performed by HTB in partnership with local community organizations and RAP; (ii) contracting for and overseeing the construction of the

Improvements; and (iii) identifying and receiving funding necessary for construction of Improvements to the Prospective Parks property.

WHEREAS, HTB has an existing Lease Agreement with the City of Los Angeles for the development and maintenance of the Prospective Parks property and for the use and operation of the site as a multi-benefit park (Council File No. 11-0122-S1), which was executed on November 3, 2011 and has a term of 30 years, and that was entered into as part of HTB's Proposition 84 grant agreement and through which HTB currently has "Right-Of-Entry" privileges to construct the Improvements.

WHEREAS, the City of Los Angeles owns the Prospective Parks property and RAP desires for the jurisdiction of the City owned surplus property to be transferred from the Department of General Services (GSD) to the RAP in order to enable RAP to operate and maintain the Prospective Park once complete.

WHEREAS, HTB expects that the California State Parks Proposition 84 grant may be the best source of funds for the development and construction of the Improvements, and RAP is aware of and willing to commit to the land tenure requirements of the program (as described in Exhibit B).

WHEREAS, this Agreement is intended to summarize the primary roles and responsibilities of HTB and RAP towards the shared goal of getting Prospective Parks built. This Agreement also intends to highlight some of the contingencies that need to be satisfied in order to fulfill that objective. HTB and RAP wish to enter into this Agreement to establish the terms whereby HTB and the RAP shall work together on the Park Development Phase.

NOW THEREFORE, in consideration of the mutual promises contained herein the parties agree as follows:

1. Grant Agreement(s). The Parties acknowledge that HTB's ability to install the Improvements and to otherwise carry out its role as set forth in this Agreement is contingent upon grant money being awarded for the installation of the Improvements. Accordingly, HTB will initially use its good faith efforts to apply for grants, and RAP shall use its good faith efforts to cooperate with HTB in the grant application process. HTB's present intention is to apply for those grants identified on Exhibit A opposite the respective Prospective Parks Properties; if those grants are not awarded HTB will determine if other prospective funding sources may be available.
 - (a) Grant Applications. HTB shall lead the grant application process. As noted in the recitals, this Prospective Park has been fully funded prior to this Donation Agreement. If additional funding is needed for the project, RAP shall cooperate in the grant application process and shall have an opportunity to review and comment upon any future grant applications for this Prospective Park. RAP (subject to approval by the Board) shall accept an assignment of

any Grant Agreement related to the development of the Prospective Property and accept the Improvements. Future grant applications shall make clear that RAP is or shall be the owner of the Prospective Property and will be the long-term steward of the Improvements after they are completed by HTB and the Contractor (defined below).

- (b) Incorporation by Reference. The terms of HTB's installation of the Improvements and payment therefore, shall be governed by the terms of this Agreement and any Grant Agreement for a Prospective Property. The terms of any such Grant Agreement are specifically incorporated into this Agreement by this reference. In the event of any conflict between the terms of any such Grant Agreement and the terms of this Agreement, the terms of the Grant Agreement shall control, then this Agreement.
 - (c) Land Tenure Requirement. RAP will be the long-term steward of the park site once the Prospective Property is transferred to RAP's jurisdiction and the Improvements are built on the Prospective Property. RAP understands that grant funding has been secured from the Proposition 84 Statewide Park Program. Consistent with the remainder of this Section 1, RAP explicitly recognizes that HTB will be relying upon RAP, as owner or future owner of the Prospective Property, to fulfill the twenty (20) or thirty (30) year land tenure requirement of long term stewardship of the Prospective Property and Improvements (if more than \$1,000,000 in Proposition 84 Statewide Park Program grant funds are awarded for a Prospective Property then the land tenure requirement is thirty (30) years, otherwise it is twenty years). This twenty (20) or thirty (30) year land tenure requirement may be renewed by HTB or RAP, however this renewal clause shall be non-binding upon RAP unless RAP is willing to renew at the conclusion of the initial land tenure term requirement. Both Parties are willing to separately provide resolutions to the Proposition 84 Statewide Park Program to confirm their respective commitments under this Agreement. Specimens of the respective resolutions of HTB and RAP are attached hereto as Exhibits D and E, and each will be adopted by the respective board in substantially that form before the Proposition 84 Statewide Park Program grant applications are submitted for any Prospective Park. The land tenure form and details of the land tenure requirement are attached hereto as Exhibit B.
2. Term. The term ("Term") of this Agreement shall commence upon full execution and delivery hereof by the parties hereto ("Effective Date"). Except those provisions which are explicitly stated survive the termination of this Agreement, the Term, with respect to any particular Prospective Property, shall expire on the date upon which RAP, subject to final acceptance and approval of the Improvements by the Board of Recreation and Park Commissioners, executes a letter accepting the Improvements as described in Section 15 below, or upon such earlier date as RAP or HTB terminates this Agreement in accordance with Section 20 below. RAP is aware that, pursuant to the terms of the Grant Agreement, the Improvements must be

completed by HTB and accepted by RAP prior to expiration of any performance period specified in any Grant Agreement, and RAP shall cooperate with HTB in fulfilling its review, approval and acceptance obligations under this Agreement in a timely fashion in order to allow construction and acceptance of the Improvements to be completed within any performance period specified in any Grant Agreement. The Term may also effectively end, with respect to any particular Prospective Property where for which HTB, despite its good faith efforts, is unable to secure adequate grant funding. So long as the Parties are pursuing at least one Prospective Property (including any Prospective Property subsequently added to Exhibit A by the mutual written agreement of the Parties), the Term may also continue with respect to such Prospective Property.

3. Environmental Assessment. HTB shall select, hire, and instruct an environmental site assessor, who is acceptable to RAP, to prepare an environmental assessment of the soils, waters, and any improvements on the Prospective Property. Each Party will provide the other Party with a copy of any Environmental Assessment such Party contracts for and each Party will be contractually entitled to rely upon any Environmental Assessment that the other Party obtains.
4. Grant-writing. HTB will coordinate grant-writing responsibilities with RAP that are undertaken in an attempt to raise the funds necessary to cover the full cost of the Park Development Phase for each Prospective Property.
5. Outreach. HTB, working closely with RAP and local community based organizations, shall conduct public workshops and/or other community outreach efforts designed to ascertain the recreational needs of community members in the area surrounding the Property (“Outreach”). HTB shall use the results of the Outreach to develop a conceptual plan for the Improvements.
6. Development of Plans and Specifications. HTB, at its own expense and at no cost to RAP, shall develop a conceptual plan for the Improvements that are consistent with both (i) the terms of any Grant Agreement(s) and (ii) the desires of RAP, local community-based organizations, and the community as a whole as gleaned through HTB-sponsored public workshops and other community outreach efforts. Following RAP’s review and HTB’s receipt of written approval of the conceptual plan, HTB shall prepare detailed final plans and specifications (“Plans and Specifications”), for RAP’s review and approval. HTB will provide two (2) sets of the Plans and Specifications to RAP signed by a licensed landscape architect. HTB shall submit the Plans and Specification for approval by the Board.
7. Right of Entry. HTB has an existing Right-Of-Entry permit through its existing Lease Agreement with the City of Los Angeles. During the Term, as soon as RAP has control of the Prospective Property, HTB and RAP shall coordinate the termination of the existing Right-Of-Entry permit and RAP shall, through a Right-Of-Entry permit issued by RAP, allow HTB, its employees and agents, full and unrestricted access to the Prospective Property at no cost to HTB to install the Improvements. During

the Term, RAP gives HTB full authority to construct, operate, and maintain the project of installing the Improvements on the Prospective Property in accordance with the Plans and Specifications and the terms of any Grant Agreements.

8. Selection of a Contractor; Installation of the Improvements. HTB will select a contractor ("Contractor") to construct and install the Improvements in accordance with the Plans and Specifications and the terms of any Grant Agreement, including any performance period for installation of the Improvements specified in any Grant Agreement. HTB shall require its contractor to provide a performance bond in the amount of 100% of the contract amount and in a form acceptable to the City of Los Angeles to ensure the completion of the Improvements.
9. Payments. HTB will be fully responsible for all payments to the Contractor and all other contractors and subcontractors at no cost to RAP, in accordance with the terms of any Grant Agreement. During the Term of this Agreement, the real property underlying each Prospective Property shall not be used as security for any loans or mortgages or otherwise have any liens, encumbrances, or stop notices placed on it. By way of specification without limitation, HTB shall keep each Prospective Property free from any liens, encumbrances, or stop notices arising out of work performed, materials furnished, or obligations incurred by HTB and shall indemnify, hold harmless and defend RAP from any liens, encumbrances, and stop notices arising out of any work performed or materials furnished by or at the direction of HTB. In the event that HTB shall not, within thirty (30) calendar days following the imposition of any such lien, cause such lien, encumbrance, or stop notice to be released of record by payment or posting of a proper bond, RAP shall have in addition to all other remedies provided herein and by law, the right, but no obligation to cause, upon five (5) business days prior written notice to HTB, the same to be released by such means as it shall deem proper, including payment in satisfaction of the claim giving rise to such lien encumbrance, or stop notice. All such sums paid by RAP and all expenses incurred by it in connection therewith, including costs and attorneys' fees, shall be paid by HTB to RAP on demand.
10. Construction Management. If no professional construction management firm is hired, HTB and Contractor will provide general management of construction activity, including but not limited to scheduling construction activity, ensuring construction meets Plans and Specifications, conducting progress meetings, providing meeting minutes and coordinating communications between all parties. RAP staff will participate in the scheduled progress meetings to keep abreast of construction activity and to ensure that work follows approved Plans and Specifications.
11. Construction Inspections. RAP or its designee will conduct on-site construction inspections and approvals, per a pre-determined schedule of critical work, to ensure that construction of the Improvements is in conformance with the Plans and Specifications. Upon substantial completion, RAP or its designee's staff will prepare a punch list ("Punch List"), which will need to be completed by Contractor prior to receiving Final Acceptance pursuant to Section 15.

12. Permits and Fees for Construction Events. Whenever permits, permit fees or any other fees (collectively, "Fees") are due to be paid to any agency, organization, or department in connection with the construction or opening celebration of the Improvements, HTB shall be responsible for payment (and/or obtaining a waiver from the permitting agency) of all such Fees.

13. Indemnification.
 - (a) During the Term of this Agreement, with respect to each Prospective Park which RAP owns, until the issuance by RAP of the Acceptance Letter pursuant to Section 15 of this Agreement, HTB shall indemnify and save harmless RAP, its officers, agents and employees from any and all loss, expense, damage, injury, liability and claims thereof for injury to or death of a person or loss of or damage to property, resulting directly or indirectly from any activity or use under this Agreement, including any design or construction defects and/or otherwise arising from the development or construction of the Improvements, except to the extent that such loss, damage, injury, liability or claim is the result of the active negligence or willful misconduct of RAP, its officers, agents or employees. The indemnity obligations described in this Section 13(a) shall survive expiration of this Agreement. In addition to HTB's obligation to indemnify RAP, HTB specifically acknowledges and agrees that it has an immediate and independent obligation to defend RAP from any claim that actually or potentially falls within this indemnification provision.

 - (b) Following issuance by RAP of the Acceptance Letter pursuant to Section 15 of this Agreement, RAP shall indemnify and save harmless HTB and its officers, agents and employees from any and all loss, expense, damage, injury, liability and claims thereof for injury to or death of a person or loss of or damage to property, resulting directly or indirectly from any activity or use under this Agreement, after City's acceptance of the Improvements and/or during City's operation and maintenance of the park, except to the extent that such loss, damage, injury, liability or claim is the result of the active negligence or willful misconduct of HTB, its officers, agents or employees. The indemnity obligations described in this Section 13(b) shall survive expiration of this Agreement. In addition to RAP's obligation to indemnify HTB, RAP specifically acknowledges and agrees that it has an immediate and independent obligation to defend HTB from any claim that actually or potentially falls within this indemnification provision.

14. Insurance. During the Term, HTB shall maintain the insurance coverage required under any of the Grant Agreements. In addition the general liability and automobile liability policies of such coverage shall contain, or be endorsed to contain, the following provisions:

- (a) RAP, its officers, agents and employees shall be covered as additional insured with respect to liability arising out of automobiles owned, leased, hired or borrowed by or on behalf of HTB during the Term; and with respect to liability arising out of work or operations performed by or on behalf of HTB during the Term, including materials, parts or equipment furnished in connection with such work or operations.
 - (b) For any claims related to this agreement, HTB's insurance coverage shall be primary insurance with respect to RAP, its officers, agents and employees.
 - (c) Coverage shall not extend to any indemnity coverage for the active negligence of the additional insured in any case where an agreement to indemnify the additional insured would be invalid under Subdivision (b) of Section 2782 of the Civil Code.
 - (d) HTB shall in all instances require their contractor to have RAP as additionally insured.
15. Final Acceptance. Upon notice from HTB that the Improvements on the Prospective Park have been installed in accordance with the Plans and Specifications, RAP or its designee shall, within fifteen (15) working days of such notice, perform a final inspection; provided, however, that HTB shall not deliver such notice to RAP until HTB has: (1) obtained all necessary regulatory approvals, (2) submitted to RAP the completed Punch List prepared by RAP or its designee pursuant to Section 11, (3) submitted to RAP the waivers and releases and assignments required under Sections 16 and 17 of this Agreement. If RAP's final inspection discloses any deficiencies, RAP shall prepare a new Punchlist for completion by HTB and Contractor. Upon RAP's inspection and decision to accept the work, RAP will submit the project to the Board of Recreation and Park Commissioners for final approval and acceptance. Upon this approval, RAP shall prepare a letter of final acceptance (the "Acceptance Letter") addressed to HTB. Upon receipt of the Acceptance Letter, HTB shall immediately remove all of its property from the Prospective Property and shall repair, at HTB's cost, any damage to the Prospective Property caused by such removal or caused by HTB's construction activities on the Prospective Property. Following delivery of the Acceptance Letter, RAP shall provide HTB with a Resolution from the Board accepting the Improvements as a "gift-in-place" from HTB. Prior to delivery by RAP of (1) the Acceptance Letter to HTB, and (2) the Assignment and Assumption of Grant Agreement(s) detailed in Section 16 below, HTB and/or RAP shall not allow public use of the Prospective Property or Improvements.
16. Assignment and Assumption of Grant Agreement(s). The long-term maintenance responsibly extend beyond the end of the Term of the Agreement of the Grant Agreement(s), e.g., provisions pertaining to accepted uses and maintenance of the Prospective Property, extend beyond installation of the Improvements by HTB and acceptance thereof by RAP. Accordingly, RAP's delivery of the Acceptance Letter shall also constitute RAP's assumption and acceptance of HTB's obligations as

grantee of any Grant Agreement. Specifically, and without limitation, RAP shall thereupon assume and accept the obligations of any Grant Agreement pertaining to use and maintenance of the Prospective Property and Improvements and the land tenure requirements discussed in Section 1(c) above, if a Proposition 84 Statewide Park Program Grant Agreement is awarded for installing Improvements on the Prospective Property. HTB and RAP each agree to execute any assignment and assumption of any Grant Agreement once RAP has delivered the Acceptance Letter to HTB.

17. Delivery of Improvements. Following Final Acceptance by RAP, HTB shall deliver the Improvements free of all liens, easements or potential claims and shall provide RAP fully executed waivers and releases from the Contractor and all other contractors and subcontractors of all claims against RAP, its employees and agents. HTB shall assign to RAP any warranties or guaranties attendant or concomitant to its contracts with the Contractor and any other contractors and subcontractors. HTB shall also assign to RAP the right to any available remedies for latent defects. HTB shall deliver as-built drawings that are marked-up on hard copy of construction drawings, operating manuals, all warranties and any additional requirements as outlined in the Plans and Specifications.
18. Signage. RAP agrees that HTB shall have the right to erect informational plaques or signs on the Prospective Property, detailing proper use of Improvements and acknowledging the contributions of HTB, the grantors under any Grant Agreements, and community based organizations, subject to the prior approval of RAP and contingent upon the receipt of all necessary approvals pursuant to normal RAP procedures. Signage shall be installed by HTB during installation of the Improvements or by RAP following Final Acceptance, in accordance with the requirements of any Grant Agreement. The Board of Recreation and Park Commissioners shall have the sole right to name the Prospective Property according to its naming policy.
19. Publicity. RAP and HTB agree to cooperate and coordinate with respect to the nature, text, and timing of any press release or public announcement(s) concerning the existence of this Agreement, or construction of any Improvements except as may be legally required by applicable laws, regulations, or judicial order. RAP agrees to notify HTB in writing of any press release, public announcement, or marketing of the Prospective Parks. Moreover, to the extent stipulated in any Grant Agreement, RAP shall duly notify any grantors prior to any public or media events publicizing the accomplishments funded by any Grant Agreement, and provide the opportunity for attendance and participation by grantors representatives. Similarly, any document, written report, or brochure prepared in whole or in part pursuant to installation of the Improvements shall contain any acknowledgements required under any Grant Agreement.
20. Termination. Any failure to perform or comply with any of the terms, covenants, obligations, conditions or representations made under this Agreement shall

constitute an event of default (“Event of Default”), provided that HTB shall have a period of fifteen (15) business days from the date of written notice from RAP of such failure within which to cure such default under this Agreement, or, if such default is not capable of cure within such fifteen (15) day period, HTB shall have a reasonable period of time to complete such cure if HTB promptly undertakes action to cure such default within such fifteen (15) day period and uses its best efforts to complete such cure within sixty (60) calendar days after receipt of notice of default. Upon occurrence of an Event of Default by HTB, RAP shall have the right, in its sole discretion, to seek enforcement of the terms and conditions of this Agreement, to terminate this Agreement or to exercise any of its rights or remedies available at law or in equity.

HTB shall have the right to terminate this Agreement, with respect to any Prospective Property, if, despite HTB’s good faith efforts, (i) HTB is unable to secure grant funding for the installation of the development and construction of the Improvements on the Prospective Property.

If HTB successfully completes the installation of the Improvements on a Prospective Property and receives the Acceptance Letter from RAP then this Agreement shall specifically not be terminable by RAP with respect to any continuing obligations of RAP, as successor grantee, under any Grant Agreements, including the land tenure requirement if a Proposition 84 Statewide Park Program Grant Agreement is in place.

21. Use and Maintenance of Prospective Property and Improvements.

- (a) RAP may only use the Prospective Property and Improvements in a manner which is consistent with the terms of any Grant Agreement, and RAP assumes the obligations for use and maintenance of the Prospective Property and the Improvements for the time and in the manner specified in any Grant Agreement. RAP shall make no other use or sale or other disposition of the Prospective Property, except as authorized by any Grant Agreement. This Agreement shall not prevent the transfer of the property from RAP to another public agency, if the successor public agency assumes the obligations imposed by any Grant Agreement to the satisfaction of the grantor.
- (b) HTB may use the Prospective Property to provide clean-ups, educational events, and community resiliency projects that serve, in general communities in the Compton Creek Watershed including, but not limited to, the City’s South Park, Watts, Vermont Knolls, and Florence neighborhoods. HTB will continue to work with schools and community stakeholders in the communities surrounding the Prospective Park to organize park and alley beautification events. Additionally, HTB agrees to continue to offer free programming to schools located in the Compton Creek Watershed, which include, but are not limited to environmental literacy, the “Lunch and Learn

program”, the “Key to the Sea” professional development program, Speakers Bureaus, and creek education. RAP shall, through a Right-Of-Entry permit issued by RAP, allow HTB, its employees and agents, access to the Prospective Property for the types of activities described in this Section 21(b). Furthermore, this Section 21(b) shall survive expiration of this Agreement.

22. Memorandum of Grant Agreement. To the extent required under the terms of any Grant Agreement, RAP agrees to execute (with notarized signatures) and deliver to HTB an original memorandum or notice of any such Grant Agreement. HTB may record any such memorandum or notice of Grant Agreement in the Official Records of Los Angeles County, California.
23. CEQA Compliance. HTB and RAP shall work together to provide an Environmental Compliance Certification Form or other form required by a funding source, in the form of Exhibit C, which certifies the Project has been determined to be exempt or in compliance with the California Environmental Quality Act (CEQA) and/or the National Environmental Policy Act (NEPA). HTB shall be responsible for all costs associated with the completion of said process.
24. Miscellaneous.
 - (a) This Agreement may be amended or modified only in a writing signed by both HTB and RAP. This Agreement may be signed in counterparts.
 - (b) This Agreement (including the Exhibits hereto, which are incorporated herein by reference) contains the entire understanding between the parties as of the date of this Agreement, and all prior written or oral negotiations, discussions, understandings and agreements are superseded by this Agreement.
 - (c) All actions described herein including but not limited to the construction of the Improvements on the Prospective Property as permitted herein, are subject to and must be conducted and accomplished in accordance with the applicable requirements of the City and County of Los Angeles’s Charter, its Municipal Code and applicable state and federal laws, building codes and regulations.

Except as expressly provided to the contrary, all approvals, consents and determinations to be made by RAP hereunder may be made by General Manager of RAP or his or her designee in his or her sole and absolute discretion.

[Signature Page to Follow]

IN WITNESS WHEREOF, the parties have caused this Donation Agreement for Development and Construction of the New Parks in City of Los Angeles to be executed as of the date first written above.

Executed this 16TH day
of MARCH, 2016

THE CITY OF LOS ANGELES, a municipal corporation, acting by and through its BOARD OF RECREATION AND PARK COMMISSIONERS

By [Signature]
PRESIDENT
By [Signature]
SECRETARY

Executed this 16TH day
of MARCH, 2016

HEAL THE BAY, a 501(c)(3) non-profit corporation

By [Signature] 2/25/2016
PRESIDENT
By [Signature]
SECRETARY 02-25-2016

Approved as to Form:

Date: 3-16-16
Michael N. Feuer,
City Attorney

By [Signature]
ARLETTA M. BRIMSEY,
Deputy City Attorney

ATTEST:
Date: 3/25/16
HOLLY L. WOLCOTT, City Clerk

By [Signature]
DEPUTY CITY CLERK

Council File Number: _____ Date of Approval: _____
Said Agreement is Number C-127290 of City Contracts



Exhibit A

Description of Prospective Properties and Funding Sources

(List may be amended by mutual written consent of the parties)

Prospective Parks:

- **WAYS PARK PROJECT**

- ***Project Address:*** Mckinley and 87th Street
SouthWest Corner, Los Angeles, CA 90002
- ***Council District:*** Nine (9)
- ***Site Ownership:*** City of Los Angeles
- ***Funding Source:*** California State Parks Proposition 84 Grant:
Statewide Park Program and Nature Education
Facilities Program (Grant #SW-19-014)

Exhibit B
Land Tenure Requirements

PROPOSITION 84: Land Tenure Form

APPLICANTS must complete this form when the PROJECT does not involve ACQUISITION and the site is not owned by the APPLICANT in fee simple. Indicate the page numbers where the following information can be found in the agreement.

- Type of agreement:** _____
 - Identify the type of agreement, such as a lease, joint powers agreement, easement, memorandum of understanding, etc.

- Parties to the signed agreement** Found on page(s) _____
 - Highlight the sections which identify the parties to the agreement.
 - The agreement must be signed by all parties.

- Term of the agreement** Found on page(s) _____
 - All GRANT amounts up to \$1,000,000 require at least 20 years of land tenure.
 - All GRANT amounts greater than \$1,000,000 require at least 30 years of land tenure.
 - OGALS will start counting the 20 or 30 year land tenure requirement from the APPROPRIATION DATE.

- Renewal clause** Found on page(s) _____
 - The renewal clause must include an option (which can be non-binding) for the APPLICANT/GRANTEE to renew the agreement beyond the original 20 or 30 year term requirement.

- Termination (revocability)** Found on page(s) _____

Any of the following is acceptable:

 - No termination clause - the agreement is non-revocable.
 - The termination clause may specify that the agreement is revocable for breach of the agreement/for cause.
 - The termination clause may specify that the agreement is revocable by mutual consent.

The following is not acceptable: A termination clause that allows the land owner to revoke the agreement without cause (at will) will not be approved.

- Site Control Roles and Responsibilities**..... Found on: **Page 29 (Councilwoman Perry Letter)**
 - The APPLICANT must have the authority to construct, operate, and maintain the PROJECT in accordance with the CONTRACT provisions.

- Roles and responsibilities** Found on page(s) _____
 - The agreement must authorize the APPLICANT to proceed with the construction PROJECT. The APPLICANT may delegate construction to other entities.
 - The agreement gives APPLICANT permission to operate the PROJECT site (such as scheduling recreational programs). The APPLICANT may delegate operational roles to other entities.
 - The agreement identifies which entity is responsible for maintenance of the PROJECT site. Entities other than the APPLICANT may have this role.

Exhibit C
Environmental Compliance Certification Form

PROPOSITION 84: CEQA Compliance Certification Form

Applicant/Grantee: _____ **Project Name:** _____

Project Address: _____

When was CEQA analysis completed for this project?

CEQA Completion is Pending Review (see attached Contingency Plan if exemption is not approved).

What documents were filed for this project's CEQA analysis: (check all that apply)

- Initial Study Notice of Exemption Negative Declaration
 Mitigated Negative Declaration Environmental Impact Report
 Other _____

Please attach the Notice of Exemption or the Notice of Determination as appropriate.

If these forms were not completed please attach a letter from the Lead Agency explaining why, certifying the project has complied with CEQA and noting the date that the project was approved by the Lead Agency.

Lead Agency Contact Information:

Agency Name: _____ **Contact Person:** _____

Mailing Address: _____

Phone: (_____) _____ **Email:** _____

Certification:

I hereby certify that the Lead Agency listed above has determined that it has complied with the California Environmental Quality Act (CEQA) for the project identified above and that the project is described in adequate and sufficient detail to allow the project's construction or acquisition.

I certify that the CEQA analysis for this project encompasses all aspects of the work to be completed with grant funds.

AUTHORIZED REPRESENTATIVE
(Signature)

Date

AUTHORIZED REPRESENTATIVE
(Printed Name and Title)

THIS NOTICE WAS POSTED

ON May 28 2015

UNTIL June 29 2015

REGISTRAR - RECORDER/COUNTY CLERK

CITY OF LOS ANGELES
 OFFICE OF THE CITY CLERK
 ROOM 395, CITY HALL
 LOS ANGELES, CALIFORNIA 90012
 CALIFORNIA ENVIRONMENTAL QUALITY ACT
NOTICE OF EXEMPTION
 (Articles II and III - City CEQA Guidelines)

2015 142705



FILED
May 28 2015

Dean C. Lopez, Registrar - Recorder/County Clerk

Electronically signed by KATHRYN BRALSFORD

Submission of this form is optional. The form shall be filed with the County Clerk, 12400 E. Imperial Highway, Norwalk, California, 90650, pursuant to Public Resources Code Section 21152(b). Pursuant to Public Resources Code Section 21167(d), the filing of this notice starts a 35-day statute of limitations on court challenges to the approval of the project.

LEAD CITY AGENCY AND ADDRESS: Environmental Management Group Los Angeles City Engineer 1149 S. Broadway, MS 939 Los Angeles, CA 90015	COUNCIL DISTRICT 9
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PROJECT TITLE: Wisdom Academy for Young Scientists (W.A.Y.S) Park CIP No. W.O.	LOG REFERENCE
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PROJECT LOCATION: Project is located between McKinley Avenue, McKinley Place, 87th Street, and 87th Place, in the South Los Angeles Community

T.G. Page 704 Grid E3

DESCRIPTION OF NATURE, PURPOSE, AND BENEFICIARIES OF PROJECT: This project will provide for a neighborhood park on an approximate 1/2 acre parcel that is currently vacant and paved over with asphalt in South Los Angeles. The project will capture the local storm water runoff via curb cuts to be used for subsurface irrigation via an Environmental Passive Integrated Chamber (EPIC) system. Additionally, the project will include the following features: playground equipment, benches, game tables, drought tolerant plants; and a low perimeter fence.

CONTACT PERSON Shokoufe Marashi	TELEPHONE NUMBER 213-485-5759
--	---

EXEMPT STATUS: (Check One)	CITY CEQA GUIDELINES	STATE CEQA GUIDELINES
<input type="checkbox"/> MINISTERIAL	Art. II, Sec. 2.b	Sec. 15268
<input type="checkbox"/> DECLARED EMERGENCY	Art. II, Sec. 2.a(1)	Sec. 15269(a)
<input type="checkbox"/> EMERGENCY PROJECT	Art. II, Sec. 2.a(2)(3)	Sec. 15269(b)(c)
<input type="checkbox"/> GENERAL EXEMPTION	Art. II, Sec. 1	Sec. 15061(b)(3)
<input checked="" type="checkbox"/> CATEGORICAL EXEMPTION*	Art. III, Sec. 1 Class 3 Cat. (4) (9)	Sec. 15303 (d)(e)
<input type="checkbox"/> STATUTORY*	Art. _____	Sec. _____

* See Public Resources Code Sec. 21080 and set forth state and city guidelines provisions.

JUSTIFICATION FOR PROJECT EXEMPTION: This project is categorically exempt under Section 15303 (d) and (e) (New Construction or Conversion of Small Structures) under CEQA as well as Article III, Section 1, Class 3, Categories (4) and (9) of the *City of Los Angeles CEQA Guidelines*. The project qualifies as installation of new equipment involving negligible or no expansion of use if required for safety, health, the public convenience, or environmental control; and as installation of surface and subsurface pipelines involving negligible or no expansion of use beyond that previously existing. None of the limitations set forth in State CEQA Guidelines 15300.2 apply (see attached narrative).

IF FILED BY APPLICANT, ATTACH CERTIFIED DOCUMENT OF EXEMPTION FINDING

SIGNATURE: <i>Maria E Martin</i> Maria Martin	TITLE: Environmental Affairs Officer Environmental Management Group	DATE: 5-15-15
FEE: \$75.00	RECEIPT NO.	REC'D BY
		DATE

6. **Historical Resources.** This exception applies when a project may cause a substantial adverse change in the significance of a historical resource.

There are no identified historic resources within the project area. As such, this exception has no application here.

2015 142705

FILED
May 28 2015

Dean C. Logan, Registrar - Recorder/County Clerk

Electronically signed by KATHRYN BRALSFORD

Exhibit D
RAP Required Resolutions

Resolution No: _____

RESOLUTION OF THE _____

OF _____

Approving the Application for STATEWIDE PARK PROGRAM GRANT FUNDS

WHEREAS, the State Department of Parks and Recreation has been delegated the responsibility by the Legislature of the State of California for the administration of the Statewide Park Program, setting up necessary procedures governing the Application; and

WHEREAS, said procedures established by the State Department of Parks and Recreation require the applicant to certify by resolution the approval of application(s) before submission of said application(s) to the State; and

WHEREAS, the applicant will enter into a contract with the State of California to complete the grant scope project;

NOW, THEREFORE, BE IT RESOLVED that the _____ hereby:

Approves the filing of an application for the _____, and

1. Certifies that said applicant has or will have available, prior to commencement of any work on the project included in this application, the sufficient funds to complete the project, and
2. Certifies that the applicant has or will have sufficient funds to operate and maintain the project(s), and
3. Certifies that the applicant has reviewed, understands, and agrees to the General Provisions contained in the contract shown in the Grant Administration Guide; and
4. Delegates the authority to _____ to conduct all negotiations, sign and submit all documents, including, but not limited to applications, agreements, amendments, and payment requests, which may be necessary for the completion of the grant scope; and
5. Agrees to comply with all applicable federal, state and local laws, ordinances, rules, regulations and guidelines

Approved and adopted the _____ day of _____, 20_____

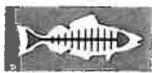
I, the undersigned, hereby certify that the foregoing Resolution Number _____ was duly adopted by the _____ following a roll call vote

Ayes: _____
Noes: _____
Absent: _____

(Clerk)

Version 21122010

Exhibit E Heal the Bay Required Resolutions



Heal the Bay

1444 9th Street
Santa Monica CA 90401

ph 310 451 1550
fax 310 496 1902

info@healthebay.org
www.healthebay.org

Resolution No: N/A

RESOLUTION OF THE **Board of Directors OF Heal the Bay** Approving The Application For STATEWIDE PARK PROGRAM GRANT FUNDS

WHEREAS, the State Department of Parks and Recreation has been delegated the responsibility by the Legislature of the State of California for the administration of the Statewide Park Program, setting up necessary procedures governing the Application; and

WHEREAS, said procedures established by the State Department of Parks and Recreation require the applicant to certify by resolution the approval of application(s) before submission of said application(s) to the State; and

WHEREAS, the applicant will enter into a contract not to exceed \$1.5 million with the State of California to complete the grant scope project;

NOW, THEREFORE, BE IT RESOLVED that the **(Heal the Bay Board of Directors)** hereby:

Approves the filing of an application for the **(WAYS Reading & Fitness Park)**, and

1. Certifies that said applicant has or will have available, prior to commencement of any work on the project included in this application, the sufficient funds to complete the project; and
2. Certifies that the applicant has or will have sufficient funds to operate and maintain the project(s), and
3. Certifies that the applicant has reviewed, understands, and agrees to the General Provisions contained in the contract shown in the Grant Administration Guide; and
4. Delegates the authority to **(Heal the Bay Staff)** to conduct all negotiations, sign and submit all documents, including, but not limited to applications, agreements, amendments, and payment requests, which may be necessary for the completion of the grant scope; and
5. Agrees to comply with all applicable state and local laws, ordinances, rules, regulations and guidelines.

Approved and adopted the 24 day of FEBRUARY, 2010

I, the undersigned, hereby certify that the foregoing Resolution was duly adopted by the **(Heal the Bay Board of Directors, Executive Committee)** following a roll call vote:

Ayes: Todd Flora, Barry Gribbon, Brian O'Malley, Jorge De la Cruz, Craig Perkins

Nose: 0

Absent: STEPHANIE RODRIGUEZ, LYNN WILLIAMS

Matthew J. Hart
Matthew J. Hart, Chairman of the Board

City of Los Angeles Department of Recreation and Parks
Naming Policy, Procedures and Guidelines for
Parks and Recreational Facilities

The mission of the Department of Recreation and Parks (“RAP”) is to enrich the lives of the residents of Los Angeles by providing safe, welcoming parks and recreational facilities and affordable, diverse recreation and human services activities for people of all ages to play, learn, contemplate, build community and be good stewards of our environment.

One of RAP’s objectives under the Mission is to enhance and expand recreational programs, services, and significant financial support and contributions through public and private collaborations.

Policy:

RAP recognizes that parks and recreational facilities are an essential and integral part of the communities they serve, and that the names of parks and recreational facilities, and park amenities within them, play a significant role in fostering identities in the surrounding communities. This Naming Policy (“Policy”) establishes the criteria and requirements, and sets forth the guidelines and procedures, for the naming and renaming (collectively, “Naming”) of parks, recreational facilities, landmarks and any other assets determined appropriate by RAP (collectively referred to herein as “Park Assets”), which are owned, managed or controlled by RAP.

Pursuant to this Policy, the initial name of a new park or recreational facility, which may be temporary for purposes of administration and accounting, shall be administratively assigned by RAP staff in the traditional manner utilized prior to the establishment of this Policy, based on geographic features such as street and community names or prominent features. In addition, the Naming of existing Park Assets, pursuant to a RAP recommendation relevant to a Naming proposal received from a private or public entity, shall be subject to the approval of the Board of Recreation and Park Commissioners (“Board”), as described herein. In accordance with this Policy and pursuant to RAP recommendations, the Board shall consider the following two types of Naming proposals. The first type encompasses situations in which RAP receives or is offered a donation, gift, sponsorship, and/or other contribution from an outside entity that presents a decisive benefit and shows a direct connection to a Park Asset and serves the interests of the City and its residents. This type of Naming proposal would require a Naming Agreement to summarize the terms and conditions necessary to effectuate the financial or other benefits connected to the Naming proposal with a term (time period) recommended by the GM and approved by the Board, depending on the scope or nature of the agreement, and value, visibility, and lifespan of the donation, gift, sponsorship and or other contribution. The second type comprises Naming proposals to use a major historic event and/or unique significance of a specific place or person, as the basis for the proposed Name; again with the requirement that there be compelling and impressive substantiation demonstrating how the interests of City and its residents were served or impacted. The key in both types of Naming proposals is the importance of demonstrating direct connections to the Park Asset and clear community benefits as a foundation for considering any Naming proposal.

For purposes of this Policy, and with the exception of the temporary Naming of new Park Assets, the authority to approve the Naming of existing Park Assets shall be solely with the Board. Any exceptions to this Policy shall be subject to the prior approval of the Board.

Criteria and Guidelines for Evaluating Park Asset Naming Proposals:

For purposes of this Policy, the following shall be considered when evaluating the appropriateness, feasibility, and implementation of Naming proposals:

- The Naming of parks after individuals shall be limited to those who are deceased and have made exceptional contributions to the park or community within which the park is located.
- Parks shall only be named after living persons under circumstances requiring such naming as a condition precedent of a grant deed or covenant.
- The Naming of a park after a major historic event must be based on a direct connection between the park and such event.
- The Naming engenders a positive public image which does not unduly commercialize the park or recreational facility.
- The proposed name for the park or recreational facility, and/or contributor, must be compatible with the Mission of RAP.
- Park Assets that are held by RAP through a lease or use agreement may be considered for Naming under this Policy, subject to any requirements or restrictions contained in such document.
- RAP reserves the right to limit the duration of time a Name will be in place and/or in effect.
- No specialized signage or advertisement containing a commercial message to purchase a good or service shall be authorized for use on park property.
- All forms of signage placed on or within a Park Asset shall meet RAP's graphic and sign standards.
- There shall be no religious symbols included on Naming signage.
- Park Assets not under the operation of RAP (shared or exclusive), although under the ownership or jurisdiction of RAP, shall not be subject to this Policy; such as for example, the Los Angeles Zoo in Griffith Park.
- Parks should not be subdivided for purposes of Naming, unless there are readily-identifiable physical divisions in the park (major roads, waterways, hillsides, etc.) which facilitate or warrant a subdivision; or there exist other compelling reasons for having more than one name connected to a park. This should not prevent independently Naming a recreational facility or amenity located within a park, as long as the selected name will not cause confusion for park patrons.
- RAP shall seek to inform the public with regard to the Naming of a park in their community.
- Any exception to the above shall be subject to the Naming criteria contained herein, and the Board's prior approval.

Procedures:

The Board retains the authority to name or rename Park Assets situated on park property. The following shall be the protocol for evaluating, considering and denying or approving Naming proposals:

1. A written proposal for the Naming of a Park Asset must be initially submitted to the RAP Board Office, to the attention of the Board Secretary. In accordance with this Policy, the Board Office shall forward the proposal to the RAP General Manager (“GM”) for consideration.
2. Prior to any form of Naming Policy being implemented, sponsorship proposals shall be evaluated by RAP staff, with recommendations to the GM for possible consideration.