

**BUREAU OF ENGINEERING
DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES
POTRERO CANYON PARK- LANDSCAPING
15101, 15125 AND 15145 PACIFIC COAST HIGHWAY**

RECEIVED
South Coast Region

OCT 10 2022

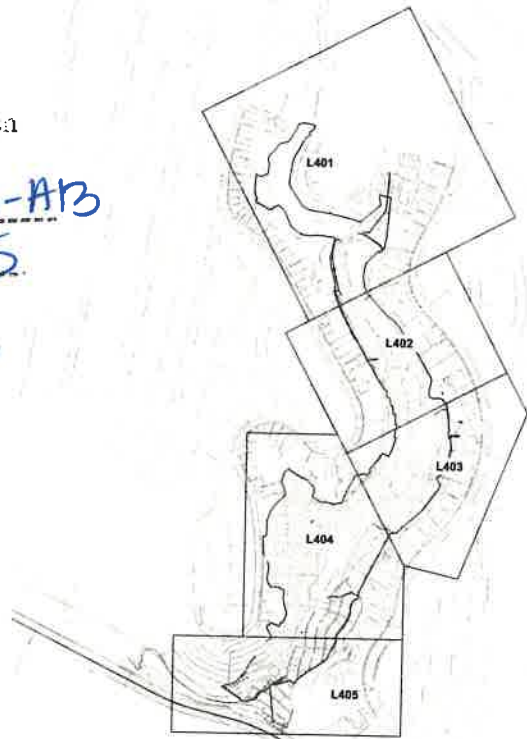
CALIFORNIA
CIVIL COMMISSION

California Coastal Commission
South Coast District Office

APPROVED
Permit No. 5-91-286-AB

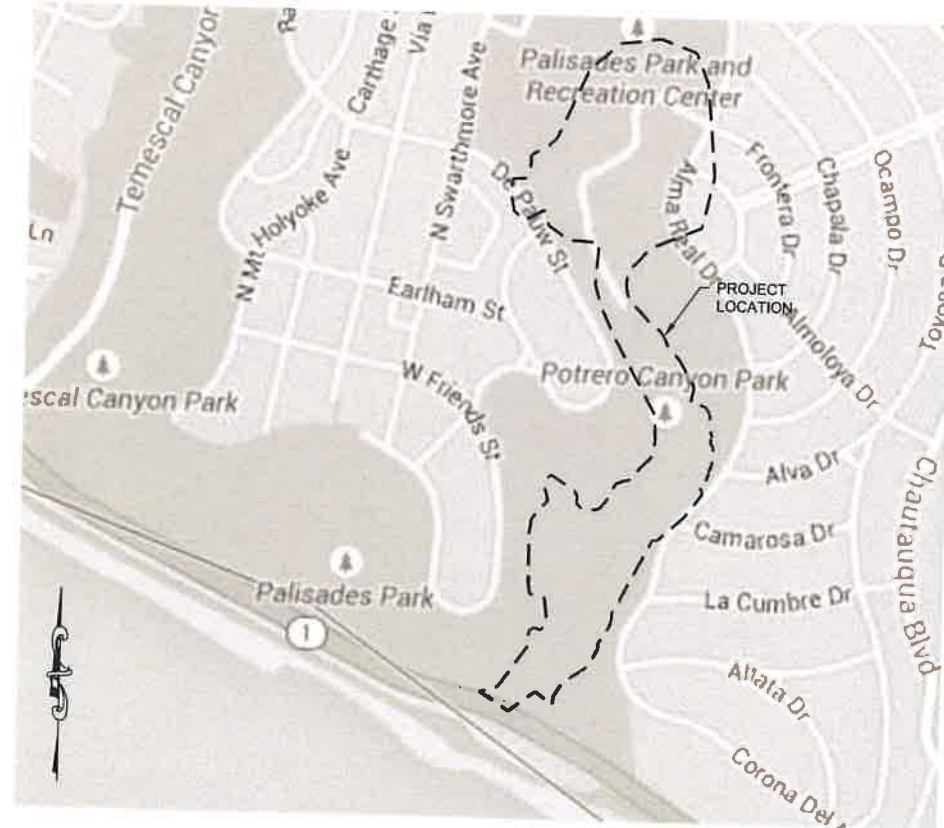
By: [Signature]

EFFECTIVE
Date: 7/14/22



LANDSCAPING INDEX MAP
SCALE: 1"=500'

WDID # 419C362661



VICINITY MAP
SCALE: 1"=400'

EASTON FORCIER, P.E., G.E.
SOILS ENGINEER & REGISTRATION # _____ DATE _____

ERIC NOREEN, C.E.G. & MARCOS MARIN, P.G.
GEOLOGIST & REGISTRATION # _____ DATE _____

UNDERGROUND SERVICE ALERT

Call: Toll FREE
1-800-422-4133

TWO WORKING DAYS BEFORE YOU DIG
"CAUTION": Remember that the USA Center
notifies only those utilities belonging to
the center. There could be other utilities
present at the work site. The center will
inform you of whom they will notify.

FOR BID
OCT. 19, 2020

PROJECT TEAM

CIVIL DESIGN: MARRS SERVICES, INC.
RIAZ CHAUDHARY, PE
PROJECT MANAGER
340 E. COMMONWEALTH AVE
FULLERTON, CA 92832
714-213-8650

LANDSCAPE: RRM DESIGN GROUP
MIKE SHERROD, ASLA
949-361-7950

DEPT. OF RECREATION & PARKS:
MICHAEL A. SHULL
GENERAL MANAGER

DARRYL FORD
SUPERINTENDENT

BUREAU OF ENGINEERING: GEOTECHNICAL ENGINEERING DIVISION

PATRICK SCHMIDT, GE, PE
DIVISION MANAGER

PEDRO GARCIA, PE
PROJECT MANAGER

KRISTEN LY, PE
PROJECT ENGINEER

EASTON FORCIER, GE, PE
GEOTECHNICAL ENGINEER II

ERIC NOREEN
ENGINEERING GEOLOGIST ASSOC. III

MARCOS MARIN
ENGINEERING GEOLOGIST ASSOC. III

ARCHITECTURAL DIVISION

JANE ADRIAN
LANDSCAPE ARCHITECT II

RICHARD FISHER
LANDSCAPE ARCHITECT

ENVIRONMENTAL MANAGEMENT GROUP

MARIA MARTIN
GROUP MANAGER

NORMAN MUNDY
ENVIRONMENTAL SUPERVISOR III

WILLIAM KNIGHT - ACTING DIVISION MANAGER
SURVEY DIVISION

ROBERT NIELSEN, P.L.S.
CHIEF SURVEYOR

SCOPE OF WORK:

SEE SHEET C-1 FOR UNIT 2 GRADING (COMPLETED WORK) AND LANDSCAPING CONTRACT INTERFACE AND GENERAL DESCRIPTION OF LANDSCAPE CONTRACT WORK ELEMENTS.

AGENCY REPRESENTATIVES

AGENCY	STATUS	REPRESENTATIVES	PHONE
LOS ANGELES DEPARTMENT OF WATER & POWER		ADRIAN CRUZ	213-367-6018
LOS ANGELES BUREAU OF SANITATION		CLINT MENK	323-342-6034
LOS ANGELES CITY FIRE DEPARTMENT		DAVID PEREZ	213-978-3845
COASTAL COMMISSION		SHANNON VAUGHN	562-590-5071



MARRS SERVICES, INC.
340 E. Commonwealth Ave.
Fullerton, CA 92832 (714)
213-8650



PLANS PREPARED BY:



DATE: _____	DATE: _____
WORK ACCEPTED	INDEX NO. D-35381



ACCEPTED BY: <u>[Signature]</u>	DATE: 11/12/20
DEPUTY CITY ENGINEER / PROGRAM MANAGER	DATE: _____

SHEET TITLE: _____	TITLE SHEET
PROJECT: POTRERO CANYON PARK - LANDSCAPING	
ADDRESS: 15101, 15125 AND 15145 PACIFIC COAST HIGHWAY PACIFIC PALISADES, CA, 90272	
DRAWING NO. E1908635	
G-1	
SHEET 1 OF 95 SHEETS	


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

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ABBREVIATIONS

AC/A.C./A/C	ASPHALT/CONCRETE	NO.	NUMBER
APPROX.	APPROXIMATE	NSRS	NATIONAL SPATIAL REFERENCE SYSTEM
ASTM	AMERICAN SOCIETY FOR TESTING MATERIALS	NTS	NOT TO SCALE
BIO	BIOLOGICAL	O.C.	ON CENTER
BM	BENCH MARK	OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
BOE	BUREAU OF ENGINEERING	PC	POINT OF CURVATURE
BOT	BOTTOM	P.C.C.	PORTLAND CEMENT CONCRETE
BVCS	BEGIN VERTICAL CURVE STATION	PCH	PACIFIC COAST HIGHWAY
CA	CALIFORNIA	PI	POINT OF INTERSECTION
CAB	CRUSHED AGGREGATE BASE	PID	PHOTO IONIZATION DETECTOR?
CDS	CONTINUOUS DEFLECTION SEPARATION	P/L	PROPERTY LINE
CF	CURB FACE	PP	POWER POLE
C&G	CURB AND GUTTER	PRC	POINT OF REVERSE CURVE
CIP	CAST IN PLACE	PSI	POUNDS PER SQUARE INCH
CLF	CHAIN LINK FENCE	PT	POINT OF TANGENCY
C/L	CENTERLINE	PVC	POLYVINYL CHLORIDE
COLA	CITY OF LOS ANGELES	PVI	POINT OF VERTICAL INTERSECTION
CONC	CONCRETE	R	RADIUS
CP	CONTROL POINT	RCP	REINFORCED CONCRETE PIPE
CY	CUBIC YARDS	RD	ROAD
DD	DOWN DRAIN	R/W	RIGHT OF WAY
DEPT	DEPARTMENT	S	SLOPE
D/DIA	DIAMETER / DEPTH	SCH	SCHEDULE
DRWY	DRIVEWAY	SCO	SEWER CLEANOUT
DWG	DRAWING	SD	STORM DRAIN
E	EAST	SDMH	STORM DRAIN MANHOLE
EG	EXISTING GROUND	SDR	STANDARD DIMENSION RATIO
EL/ELEV.	ELEVATION	SEC.	SECTION
E.P.	EDGE OF PAVEMENT	SHT	SHEET
ETW	EDGE OF TRAVEL WAY	SMH	SEWER MANHOLE
EVCS	END OF VERTICAL CURVE STATION	SPK	SPIKE
EVCE	END OF VERTICAL CURVE ELEVATION	SPPWC	STANDARD PLAN FOR PUBLIC WORKS CONSTRUCTION
E.W.	EACH WAY	SQ	SQUARE
EXIST./EX./(E)	EXISTING	SS	SANITARY SEWER
FG	FINISH GROUND	SSPWC	STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION
FL	FLOW LINE	STD	STANDARD
FM	FORCE MAIN	STL	STEEL
FS	FINISH SURFACE	SW	SOUTHWEST
GEO	GEOTECHNICAL ENGINEER OF RECORD	S&W	SEWER & WATER
GPS	GLOBAL POSITIONING SYSTEM	SWR/SSWR	SEWER
H/HT	HEIGHT	T&B	TOP & BOTTOM
HP	HIGH POINT	TC	TOP OF CURB
INTX	INTERSECTION	TG	TOP OF GRATE
INV.	INVERT ELEVATION	THK	THICK
L	LONG	TOW	TOP OF WALK
L.A.	LOS ANGELES	TW	TOP OF WALL
L.A.B.C.	LOS ANGELES BUILDING CODE	TYP.	TYPICAL
LACDPW	LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS	U.S.A.	UNDERGROUND SERVICE ALERT
LACWD	LOS ANGELES COUNTY WATERWORKS DISTRICTS	USGS	U.S. GEOLOGICAL SURVEY
LB.	POUND	UTIL.	UTILITY(S)
LF	LINEAR FOOT	VERT.	VERTICAL
MAINT.	MAINTENANCE	W	WITH / WIDTH
MAX.	MAXIMUM	W/	WITH
MH	MANHOLE	W.I.	WROUGHT IRON
MIN.	MINIMUM	W.W.M.	WOVEN WIRE MESH
MM	MILLIMETER		
N	NORTH		
N'LY	NORTHERLY		
NAD	NORTH AMERICAN DATUM		
NAVD	NORTH AMERICAN VERTICAL DATUM		

California Coastal Commission
 South Coast District Office
 APPROVED 5-91-286-A B
 Permit No. 5-91-286-A B
 By: 
 EFFECTIVE 7/14/22
 Date: 7/14/22

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ENGINEERING
CITY OF LOS ANGELES

BUREAU OF ENGINEERING

DEPARTMENT OF PUBLIC WORKS

CITY OF LOS ANGELES

B - PERMITS

INDEX NO. **D-35381**

DESIGN GROUP: CHARLES C. FEIST, PE
 ENGINEER: HERNAN IGNACIO
 DRAWN BY: HERNAN IGNACIO
 CHECKED BY: RIAZ CHAUDHARY, PE
 APPROVED BY: RIAZ CHAUDHARY, PE

DRAWING INDEX & ABBREVIATIONS
 POTRERO CANYON PARK
 UNIT 3 GRADING
 15101, 15125 AND 15145 PACIFIC COAST HIGHWAY
 PACIFIC PALISADES, CA. 90272

DRAWING NO. **E1908635**

G-2

SHEET 2 OF 95 SHEETS



GEOLOGY AND SOILS REPORT APPROVAL LETTER

November 12, 2019

City of Los Angeles, Dept. Rec & Parks
 221 N. Figueroa St., 4th Floor
 Los Angeles, CA 90012

TRACT: 10426 / 9300
 LOT(S): Fr of LT 7 (Arb-4) / FR LT 7 (Arb-3) // Lot B
 LOCATION: 15101 W Pacific Coast Highway

CURRENT REFERENCE REPORT/LETTER(S)	REPORT No.	DATE OF DOCUMENT	PREPARED BY
Geology/Soils Report	05-159	10/15/2019	City of LA - GED
Oversized Doc(s).			

PREVIOUS REFERENCE REPORT/LETTER(S)	REPORT No.	DATE OF DOCUMENT	PREPARED BY
Dept. Approval Letter	86513-01	10/19/2015	LADBS
Addendum Report	05-159	09/17/2015	Geotechnical Engineering Group
Request for Modification	22141	10/19/2015	LADBS
Request for Modification	23917	10/19/2015	LADBS
Dept. Correction Letter	86513	12/19/2014	LADBS
Request for Modification	22141	12/04/2014	LADBS
Geology/Soils Report	05-159	11/05/2014	Geotechnical Engineering Group
Soils Report	10190.002	09/11/2014	Leighton Consulting, Inc.
Dept. Approval Letter	82434	01/23/2014	LADBS
Geology/Soils Report	05-159	11/08/2013	Geotechnical Engineering Group
Dept. Approval Letter	70557	10/26/2010	LADBS
Geology/Soils Report	29403821	02/17/2010	URS

The Grading Division of the Department of Building and Safety has reviewed the referenced report dated 10/15/2019 that provides recommendations for the proposed grading plan revision for Potrero Canyon Park. According to the referenced report, the grading plan revision will result in removing a significant amount of earthwork in the south portion of the project where it falls with Caltrans easement. As a result, to achieve code required factor of safety, remedial grading is proposed to remove and recompact portions of the landslide material as shown in Drawing No. 1 and cross-sections D-D' and E-E'.

LA088 04 (Rev 11/20/2014) AN EQUAL EMPLOYMENT OPPORTUNITY - AFFIRMATIVE ACTION EMPLOYER

14030-10000-06680 \ 15101 W PACIFIC COAST HWY Page 1 of 3



Grading Pre-Inspection Report

Address: **15101 W PACIFIC COAST HWY**
 Council District: **11** Permit Application: **14030-10000-06680**

Work Description:
*****GPI ONLY***GRADING/EARTHWORK PROJECT THAT INCLUDES FILL PLACEMENT WITHIN POTRERO CANYON (PACIFIC PALISADES) THE FILL PLACEMENT WILL HELP STABILIZE THE CANYON SLOPES; FOLLOWING COMPLETION OF GRADING, THE PROPERTY WILL BECOME A NATURE PRESERVE**

Inspector/Telephone: **MANUEL TEJADA, (310) 914-3935**
 Inspection District: **WLA**
 Inspection Date: **10/30/2014**

Property Posted: **N/A** Posting Date: **N/A** Posting Fees Paid? **No**
 Tract: **TR 10426** Block: **Lot(s): LT 7 ARB: 4** County Ref No: **M B 165-11/12**

Approved Graded Lot: No	Bearing Value: No
Fill Over 100 Feet: No	Buttress Fill: No
Slope of Surface:	Natural Soil Classification 1804.2: stilly clay
	Cut: degrees Height: ft in
Fill: degrees Height: ft in	
Natural: 45% degrees Height: 100' ft in	Slide Area: No
Sewer Available: N/A	PSDS Sized Per Code: N/A
Site is Above Street	Roof Gutters: No
Condition of Street for Drainage Purposes paved	Recommended Termination of Drainage street
Driveway Grade: %	Maximum Rough Grade Allowed: %

GRADING APPROVAL TO ISSUE PERMIT(S)
 OK TO ISSUE. SEE BELOW FOR COMMENTS.
 DO NOT ISSUE UNTIL BELOW REQUIREMENTS HAVE BEEN SATISFIED.

http://10.8.35.232/pre_inspection/viewonly/view_gradingchecklist.cfm?permit_id=14030... 10/1/2015

Page 2
 15101 W Pacific Coast Highway

The site is located in a designated seismically induced landslide and liquefaction hazard zones, as shown on the Seismic Hazard Zones map issued by the State of California. However, the proposed construction is currently exempt (P/BC 2014-044).

The recommendations in the above referenced report is acceptable to the Department provided the conditions outlined below are followed:

(Note: Numbers in parenthesis () refer to applicable sections of the 2017 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.)

- The geologist and soils engineer shall review and approve the detailed plans prior to issuance of any permits. This approval shall be by signature on the plans that clearly indicates the geologist and soils engineer have reviewed the plans prepared by the design engineer; and, that the plans include the recommendations contained in their reports (7006.1).
- All conditions of the above referenced Department approval letters, except as specifically modified herein, shall be complied with.
- All recommendations of the reports 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 and retaining wall backfill (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).
- 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).

Log No. 110594
 213-482-0480

cc: City of LA - GED, Project Consultant
 WL District Office

Page 2 of 3 14030-10000-06680 \ 15101 W PACIFIC COAST HWY

<input checked="" type="checkbox"/>	1. A grading permit is required for excavation and backfill.
<input type="checkbox"/>	2. A retaining wall permit is required.
<input type="checkbox"/>	3. OSHA permit required for vertical cuts 5 feet or over.
<input type="checkbox"/>	4. All footings shall be founded in undisturbed natural soil per Code.
<input type="checkbox"/>	5. Design for expansive soil or submit a soils report to the grading division per information bulletin P/BC 2004-116 and 91.1805.8.
<input type="checkbox"/>	6. In the event excavations reveal unfavorable conditions, the services of a soils engineer and/or geologist may be required.
<input checked="" type="checkbox"/>	7. Geological and Soils report(s) are required. Submit three copies (1 original and 2 copies), with appropriate fees, to the Grading Section for review and approval.
<input checked="" type="checkbox"/>	8. Incorporate all recommendations of the approved Geological and Soils report(s) and Department letters dated to come into the plans. Geologist and Soils Engineer to sign plans.
<input type="checkbox"/>	9. Site is subject to mudflow. Comply with provisions of Section 91.7014.3. Geological and soils report required.
<input type="checkbox"/>	10. Buildings shall be located clear of the toe of all slopes which exceed a gradient of 2 horizontal to 1 vertical as per Section 91.1805.3.1.
<input type="checkbox"/>	11. Footings shall be set back from the descending slope surface exceeding 3 horizontal to 1 vertical as per Section 91.1805.3.7.
<input type="checkbox"/>	12. Swimming pools and spas shall be set back from descending and ascending slopes as per Section 91.1805.3.3.
<input type="checkbox"/>	13. Department approval is required for construction of, on or over slopes steeper than 2 horizontal to 1 vertical.
<input type="checkbox"/>	14. Provide complete details of engineered temporary shoring or slot cutting procedures on plans. Call for inspection before excavation begins.
<input type="checkbox"/>	15. All concentrated drainage, including roof water, shall be conducted, via gravity, to the street or an approved location at a 2% minimum. Drainage to be shown on the plans.
<input checked="" type="checkbox"/>	16. A Registered Deputy Inspector is required.
<input checked="" type="checkbox"/>	17. All fill or backfill shall be compacted by mechanical means to a minimum 90% relative compaction as determined by ASTM method D-1557. Subdrains shall be provided where required by Code.
<input checked="" type="checkbox"/>	18. Specify on the plans: "The soils engineer is to approve the key or bottom and leave a certificate on the site for the grading inspector. The grading inspector is to be notified before any grading begins and, for bottom inspection, before fill is placed. Fill may not be placed without approval of the grading inspector."
<input checked="" type="checkbox"/>	19. Existing non-conforming slopes shall be cut back at 2:1 (26 degrees) or retained. All concentrated drainage, including roof water, shall be conducted, via gravity, to the street or an approved location at a 2% minimum. Drainage to be shown on the plans.
<input checked="" type="checkbox"/>	20. All cut or fill slopes shall be no steeper than 2:1 (26 degrees).
<input checked="" type="checkbox"/>	21. Stake and flag the property lines in accordance with a licensed survey map.
<input type="checkbox"/>	22. Approval required by the Department for.
<input type="checkbox"/>	23. Approval required by the Department of Public Works, Urban Forestry Division, for native tree protected ORD. 177.040. Phone 9 (213) 847-3077
<input type="checkbox"/>	24. This is a preliminary pre-inspection only - base on limited information. When complete plans (and possibly calculations and/or required reports) are submitted for a permit, a new pre-inspection and fee will be required.

** Additional requirements: This G.P.I. shall be part of approved plans. Provide approved Geological and Soils reports and soils approval letter for proposed work.

Construction of new occupied buildings or major additions to buildings on sites located in any of the Seismic Hazard Zones (Liquefaction, Landslide or Alquist-Prado Fault Zone) will require a geology and/or soil engineering report. For questions call (213) 482-0480.

California Coastal Commic.
 South Coast District Office
 APPROVED
 Permit No. **5-91-286-A13**
 By:
 EFFECTIVE
 Date: **7/14/22**



BEST MANAGEMENT PRACTICES FOR CONSTRUCTION ACTIVITIES*

Storm Water Pollution Control Requirements for Construction Activities
 Minimum Water Quality Protection Requirements for All Development Construction Projects/Certification Statement

The following is intended as minimum notes or as an attachment for building and grading plans and represent the minimum standards of good housekeeping that must be implemented on all construction sites regardless of size. (Applies to all permits)

- Eroded sediments and other pollutants must be retained on site and may not be transported from the site via sheetflow, swales, area drains, natural drainage courses or wind.
- Stockpiles of earth and other construction related materials must be protected from being transported from the site by the forces of wind or water.
- Fuels, oils, solvents and other toxic materials must be stored in accordance with their labeling and are not to contaminate the soil and surface waters. All approved storage containers are to be protected from the weather. Spills must be cleaned up immediately and disposed of in a proper manner. Spills may not be washed into the drainage system.
- Non-stormwater runoff from equipment and vehicle washing and any other activity shall be contained at the project site.
- Excess or waste concrete may not be washed into the public way or any other drainage system. Provisions shall be made to retain concrete wastes on site until they can be disposed of as solid waste.
- Trash and construction related solid wastes must be deposited into a covered receptacle to prevent contamination of rainwater and dispersal by wind.
- Sediments and other materials may 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 public way. Accidental depositions must be swept up immediately and may not be washed down by rain or other means.
- Any slopes with disturbed soils or denuded of vegetation must be stabilized so as to inhibit erosion by wind and water.
- Other _____

As the project owner or authorized agent of the owner, I have read and understand the requirements listed above, necessary to control storm water pollution from sediments, erosion, and construction materials, and I certify that I will comply with these requirements.

Print Name: **Pedro Garcia, P.E., City of Los Angeles, BOE**
 (Owner or authorized agent of the owner)
 Signature: Date: **5/5/2020**
 (Owner or authorized agent of the owner)

*The Best Management Practices are included in the California Storm Water Best Management Practices Handbook, Annex 2(B) www.calwaterworks.com

Attachment A BMP Notes.doc



BUREAU OF ENGINEERING

ENGINEERING
 CITY OF LOS ANGELES

DATE BY: _____
 WORK ACCEPTED: _____
 INDEX NO. **D-35381**

B - PERMITS

DESIGN GROUP: _____
 ENGINEER: **CHARLES C. FEIST, PE**
 DESIGNED BY: **HERNAN IGNACIO**
 DRAWN BY: **HERNAN IGNACIO**
 CHECKED BY: **RIAZ CHAUDHARY, PE**
 APPROVED BY: **RIAZ CHAUDHARY, PE**

VERTICAL CONTROL - SEE PLAN SHEETS FOR CONTROL LINE REFERENCE
 SHEET TITLE: **BUILDING AND SAFETY APPROVAL LETTERS**
 PROJECT: **POTRERO CANYON PARK UNIT 3 GRADING**
 ADDRESS: **15101, 15125 AND 15145 PACIFIC COAST HIGHWAY PACIFIC PALISADES, CA. 90272**

DRAWING NO. **E1908635**

G-3

SHEET 3 OF 95 SHEETS

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

CITY OF LOS ANGELES
CALIFORNIA

BOARD OF BUILDING AND SAFETY COMMISSIONERS
HELENA JUBANY, PRESIDENT
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ERIC GARCETTI
MAYOR

DEPARTMENT OF BUILDING AND SAFETY
30 NORTH FIGUEROA STREET
LOS ANGELES, CA 90013

RAYMOND G. CHAN, C.E., S.E.
SUPERINTENDENT OF BUILDING
INTERIM CHIEF ENGINEER

GEOLOGY AND SOILS REPORT APPROVAL LETTER

January 23, 2014 LOG # 82434
SOILS/GEOLOGY FILE - 2
LIQ/LAN-Exempt

City of Los Angeles
Public Works, Bureau of Engineering,
Geotechnical Engineering Group
1149 S. Broadway Street, 1st Floor
Los Angeles, CA 90015

TRACT: 10426 / 9300
LOT(S): Fr of LT 7 (Arb-4) / FR LT 7 (Arb-3) // Lot B
LOCATION: 15101 / 15125 / 15145 W Pacific Coast Highway

CURRENT REFERENCE REPORT LETTER(S)	REPORT No.	DATE(S) OF DOCUMENT	PREPARED BY
Geology/Soils Report	05-159	11/08/2013	Geotechnical Engineering Group
Overized Documents			

PREVIOUS REFERENCE REPORT LETTER(S)	REPORT No.	DATE(S) OF DOCUMENT	PREPARED BY
Dept. Approval Letter	70557	10/26/2010	LADBS
Geology/Soils Report	29403821	02/17/2010	URS

The Grading Division of the Department of Building and Safety has reviewed the referenced report dated November 8, 2013, providing recommendations for the proposed Potrero Canyon Park Unit 3 slope repair and grading. The proposed Potrero Canyon Park development includes completing the remaining grading and fill placement within the canyon, restoring riparian habitat, and constructing pedestrian trails. The Potrero Canyon Park project does not include the construction of buildings.

Based on the proposed grading plan (MARRS, 2013) the maximum fill thickness associated with the proposed Unit 3 grading is on the order of 50 feet, and the maximum inclination of the proposed fill slopes is 2(H):1(V). The fill slopes are constructed with benches that are spaced approximately every 30 to 40 feet in vertical height, and the bench widths range from about 8 to 20 feet. Although not completely shown on the plans (MARRS, 2013), the proposed fill slopes will be constructed with surface and subsurface drainage collection systems.

Previously, the Department conditionally approved the above referenced report dated February 17, 2010, for the proposed Potrero Canyon Park slope repair and grading, structure in a letter dated October 26, 2010, Log #70557.

AN EQUAL EMPLOYMENT OPPORTUNITY - AFFIRMATIVE ACTION EMPLOYER

CITY OF LOS ANGELES
CALIFORNIA

BOARD OF BUILDING AND SAFETY COMMISSIONERS
VAN AMBATIELOS, PRESIDENT
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JOSELYN GEAGA-ROSENTHAL, GEORGE HOVAGUIMIAN, ELVIN W. MOON

ERIC GARCETTI
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30 NORTH FIGUEROA STREET
LOS ANGELES, CA 90013

FRANK M. BUSH
GENERAL MANAGER
SUPERINTENDENT OF BUILDING

OSAMA YOUNAN, P.E.
EXECUTIVE OFFICER

GEOLOGY AND SOILS REPORT APPROVAL LETTER

February 28, 2020 LOG # 112103
SOILS/GEOLOGY FILE - 2
LIQ/LAN/AP-Exempt

City of Los Angeles, Dept. Rec & Parks
221 N. Figueroa St., 4th Floor
Los Angeles, CA 90012

TRACT: 10426 / 9300
LOT(S): Fr of LT 7 (Arb-4) / FR LT 7 (Arb-3) // Lot B
LOCATION: 15101 W Pacific Coast Highway

CURRENT REFERENCE REPORT LETTER(S)	REPORT No.	DATE OF DOCUMENT	PREPARED BY
Geology/Soils Report	05-159	02/04/2020	City of LA - GED
Geology/Soils Report	05-159A	09/30/2014	City of LA - GED

PREVIOUS REFERENCE REPORT LETTER(S)	REPORT No.	DATE OF DOCUMENT	PREPARED BY
Dept. Approval Letter	110594	11/12/2019	LADBS
Geology/Soils Report	05-159	10/15/2019	City of LA - GED
Dept. Approval Letter	86513-01	10/19/2015	LADBS
Addendum Report	05-159	09/17/2015	City of LA - GED
Request for Modification	22141	10/19/2015	LADBS
Request for Modification	23917	10/19/2015	LADBS
Dept. Correction Letter	86513	12/19/2014	LADBS
Request for Modification	22141	12/04/2014	LADBS
Geology/Soils Report	05-159	11/05/2014	City of LA - GED
Soils Report	10190.002	09/11/2014	Leighton Consulting, Inc.
Dept. Approval Letter	82434	01/23/2014	LADBS
Geology/Soils Report	05-159	11/08/2013	City of LA - GED
Dept. Approval Letter	70557	10/26/2010	LADBS
Geology/Soils Report	29403821	02/17/2010	URS

The Grading Division of the Department of Building and Safety has reviewed the referenced reports dated February 4, 2020, and September 30, 2014, that provide recommendations for the proposed lift station. The lift station will be located entirely within private property that is owned and maintained by the City's Department of Recreation and Parks.

AN EQUAL EMPLOYMENT OPPORTUNITY - AFFIRMATIVE ACTION EMPLOYER

The earth materials at the subsurface exploration locations consist of Landslide debris, colluvium, Terrace Deposits (Undifferentiated, Continental, Marine), Modelo Formation Miocene Bedrock, Upper and Lower Pliocene Bedrock.

The site is located in a designated seismically induced landslide and liquefaction hazard zones, as shown on the "Seismic Hazard Zones" map issued by the State of California. However, the proposed grading is currently exempt (P/BC 2011-044).

The referenced report dated November 8, 2013, is acceptable, provided the following conditions are compiled with during site development:

(Note: Numbers in parenthesis () refer to applicable sections of the 2011 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.)

- The new proposed buttress /fills shall meet the minimum top elevations as indicated in the referenced report dated November 8, 2013, on Cross Sections A-A', Cross Section B-B', and Cross Section C-C'.
- All new fill shall be test and verified to possess a minimum friction angle and cohesion of 36 degrees and 115 pcf, respectively, as recommended. Alternatively, replaced slope stability analysis will be required based on the shear test results of the fill material.
- The geologist and soils engineer shall review and approve the detailed plans prior to issuance of any permits. This approval shall be by signature on the plans which clearly indicates that the geologist and soils engineer have reviewed the plans prepared by the design engineer and that the plans include the recommendations contained in their reports. (7006.1)
- All recommendations of the report which 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. Submit one copy of the above reports to the Building Department Plan Checker prior to issuance of the permit. (7006.1)
- A grading permit shall be obtained. (106.1.2)
- All graded, brushed or bare slopes shall be planted with low-water consumption, native-type plant varieties to protect slopes against erosion. (7012)
- All new graded slopes shall be no steeper than 2(H):1(V) (7010.2 & 7011.2).
- Prior to the issuance of any permit, an accurate volume determination shall be made and included in the final plans, with regard to the amount of earth material to be exported from the site. For grading involving import or export of more than 1000 cubic yards of earth materials within the grading hillside area, approval is required by the Board of Building and Safety. Application for approval of the haul route must be filed with the Grading Division. Processing time for application is approximately 8 weeks to hearing plus 10-day appeal period.
- 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

Previously, the Grading Division of the Department of Building and Safety had reviewed and approved (Log # 110594, dated November 12, 2019) the referenced report dated 10/15/2019 that provides recommendations for the proposed grading plan revision for Potrero Canyon Park. According to the referenced report, the grading plan revision will result in removing a significant amount of earthwork in the south portion of the project where it falls with Caltrans easement. As a result, to achieve code required factor of safety, remedial grading is proposed to remove and recompact portions of the landslide material as shown in Drawing No. 1 and cross-sections D-D' and E-E'.

The earth materials at the subsurface exploration locations consist of up to 16 feet of uncertified fill underlain by siltstone with interbeds of claystone bedrock. The historic high groundwater depth at the subject site is 10 feet, which corresponds to an elevation of 14 feet above mean sea level (msl). Groundwater was not encountered to the maximum depth explored of 31.5 feet.

The consultants recommend to support the proposed lift station on a structural mat foundation embedded into competent bedrock.

The project is located within a Fault Zone identified by the State of California Alquist-Priolo Act and in a designated seismically induced landslide and liquefaction hazard zones as shown on the Seismic Hazard Zones map issued by the State of California. However, the proposed construction is currently exempt (P/BC 2014-044).

The referenced reports dated February 4, 2020, and September 30, 2014, are acceptable, provided the following conditions are compiled with during site development:

(Note: Numbers in parenthesis () refer to applicable sections of the 2017 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.)

- The geologist and soils engineer shall review and approve the detailed plans prior to issuance of any permits. This approval shall be by signature on the plans that clearly indicates the geologist and soils engineer have reviewed the plans prepared by the design engineer; and, that the plans include the recommendations contained in their reports (7006.1).
- All recommendations of the reports 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 and retaining wall backfill (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.

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 (D1556). Placement of gravel in lieu of compacted fill is allowed only if complying with Section 91.7011.3 of the Code. (7011.3)

- Existing uncertified fill shall not be used for support of footings, concrete slabs or new fill. (1809.2)
- Subdrains must be installed in all natural drainage courses within which compacted fill is to be placed. (7013.8)
- A subdrain shall be installed for every 25 vertical feet of fill placement.
- Subdrains shall also be installed near the fill/bedrock contact and / or just below the Terrace Deposits /bedrock contact, as recommended.
- Subdrains shall be installed along the back portion of the keyway or bench excavation.
- Drainage in conformance with the provisions of the Code shall be maintained during and subsequent to construction. (7013.12)
- Grading shall be scheduled for completion prior to the start of the rainy season, or detailed temporary erosion control plans shall be filed in a manner satisfactory to the Grading Division of the Department and the Department of Public Works, Bureau of Engineering, B-Permit Section, for any grading work in excess of 200 cu yd. (7007.1)
1828 Sawtelle Blvd., 3rd Floor, West LA (310) 575-8388
- All fill placed more than 40 feet below final grade shall be compacted to a minimum relative compaction of 93 percent, unless a lower relative compaction (not less than 90 percent of the maximum dry density) is justified by the soils engineer. (7011.3)
- Fills over 40 feet deep shall be monitored with a system of benchmarks installed at critical points on the fill, and the settlement characteristics shall be established such that any movements have substantially ceased. In those cases, accurate measurements of both horizontal and vertical movements shall be taken for a period of time sufficient to define the settlement behavior. In no case shall the period of time be less than one year, with at least four consecutive checks made at intervals of 3 months. (7011.3)
- The applicant is advised that the approval of this report does not waive the requirements for excavations contained in the State Construction Safety Orders enforced by the State Division of Industrial Safety. (3301.1)
- Unanchored temporary excavations over 5 feet exposing fill/native soil or bedrock shall be trimmed back at a gradient not exceeding 1(H):1(V) or 1/2(H):1(V), respectively, as recommended.
- 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.
- All pad drainage shall be conducted to the street in an acceptable manner; water shall not be dispersed on to descending slopes without specific approval from the Grading Division and the

If import soils are used, no footings shall be poured until the soils engineer has submitted a compaction report containing in-place shear test data and settlement data to the Grading Division of the Department; and, obtained approval (7008.2).

Compacted fill shall extend beyond the footings a minimum distance equal to the depth of the fill below the bottom of footings or a minimum of three feet whichever is greater, except at locations where lateral over excavation is not possible (i.e., foundations adjacent to property lines or structures), in which case the foundations may be deepened to bear in native soils, as recommended (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).
- Grading shall be scheduled for completion prior to the start of the rainy season, or detailed temporary erosion control plans shall be filed in a manner satisfactory to the Grading Division of the Department and the Department of Public Works, Bureau of Engineering, B-Permit Section, for any grading work in excess of 200 cubic yards (7007.1).
6262 Van Nuys Blvd. Ste 351, Van Nuys (818) 374-4605
- All loose foundation excavation material shall be removed prior to commencement of framing. Slopes disturbed by construction activities shall be restored (7005.3).
- 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)
- Prior to the issuance of any permit that authorizes an excavation where the excavation is to be of a greater depth than are the walls or foundation of any adjoining building or structure and located closer to the property line than the depth of the excavation, the owner of the subject site shall provide the Department with evidence that the adjacent property owner has been given a 30-day written notice of such intent to make an excavation (3307.1).
- The soils engineer shall review and approve the shoring plans prior to issuance of the permit (3307.3.2).
- Prior to the issuance of the permits, the soils engineer and/or the structural designer shall evaluate the surcharge loads used in the report calculations for the design of the retaining walls and shoring. If the surcharge loads used in the calculations do not conform to the actual surcharge loads, the soil engineer shall submit a supplementary report with revised recommendations to the Department for approval.

consulting geologist and soils engineer] (7013.10)

- All concentrated drainage shall be conducted in an approved device and disposed of in a manner approved by the LADBS. (7013.10)
- Sprinkler plans for irrigation shall be submitted and approved by the Mechanical Plan Check Section (7012.3.1).
- Any recommendations prepared by the geologist and/or the soils engineer for correction of geological hazards found during grading shall be submitted to the Grading Division of the Department for approval prior to utilization in the field. (7008.3)
- The geologist and 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 & 1704.7)
- Prior to the pouring of concrete, a representative of the consulting soils engineer shall inspect and approve the footing excavations. He shall post a notice on the job site for the LADBS Building Inspector and the Contractor stating that the work as inspected meets the conditions of the report, but that no concrete shall be poured until the City Building Inspector has also inspected and approved the footing excavations. A written certification to this effect shall 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 LADBS Inspector at which time sequence of construction, protection fences and dust and traffic control will be scheduled. (108.9.1)
- Prior to the placing of compacted fill, a representative of the soils engineer shall inspect and approve the bottom excavations. He shall post a notice on the job site for the City Grading Inspector and the Contractor stating that the soil inspected meets the conditions of the report, but that no fill shall be placed until the LADBS Grading 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)

Jeffrey T. Wilson
JEFFREY T. WILSON
Engineering Geologist I

Pascal Chiallita
PASCAL CHIALLITA
Geotechnical Engineer II

JTW/PC/jaw/pe
Log No. 82434
213-482-0480

City of Los Angeles, Bureau of Engineering, Geotechnical Engineering Division, Applicant WL-A District Office

California Coastal Commission
South Coast District Office
APPROVED
Permit No. 5-91-286-A13
By: *[Signature]*
EFFECTIVE
Date: 7/14/22

ENGINEERING
CITY OF LOS ANGELES

BUREAU OF ENGINEERING

DATE: _____
REVISION: _____
WORK ACCEPTED: _____
INDEX NO. **D-35381**

DEPARTMENT OF PUBLIC WORKS

DESIGN GROUP: _____
ENGINEER: CHARLES C. FEIST, PE
DESIGNED BY: HERNAN IGNACIO
DRAWN BY: HERNAN IGNACIO
CHECKED BY: RIAZ CHAUDHARY, PE
APPROVED BY: RIAZ CHAUDHARY, PE

CITY OF LOS ANGELES

BUILDING AND SAFETY APPROVAL LETTERS

SHEET TITLE: POTRERO CANYON PARK UNIT 3 GRADING
PROJECT: 15101, 15125 AND 15145 PACIFIC COAST HIGHWAY
ADDRESS: PACIFIC PALISADES, CA, 90272

DRAWING NO. **E1908635**

G-4

SHEET 4 OF 95 SHEETS

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.

- 17. Shoring shall be designed for a minimum EFF as recommended on page 9 of the September 30, 2014, referenced report; all surcharge loads shall be included into the design, as recommended.
- 18. A shoring monitoring program shall be implemented to the satisfaction of the soils engineer.
- 19. The proposed lift station shall be supported on a structural mat foundation embedded into competent bedrock, as recommended and shall be approved by the geologist and soils engineer by inspection.
- 20. Controlled Low Strength Material (CLSM) shall be utilized as recommended on page 11 of the September 30, 2014, referenced report.
- 21. Existing uncertified fill shall not be used for lateral support of deep foundations (1810.2.1).
- 22. Slabs on uncertified fill shall be designed as a structural slab (7011.3).
- 23. The proposed lift station shall be supported on a structural slab may be underlain by fill or bedrock, as recommended on pages 5 through 7 of the September 30, 2014.
- 24. The seismic design shall be based on a Site Class C is applicable for the underlying bedrock; and shall be based on a Site Class D is applicable for the fill in the upper 12 to 13 feet, as recommended. All other seismic design parameters shall be reviewed by LADBS building plan check.
[According to ASCE 7-16 Section 11.4.8, for Site Class D, a long period coefficient (Fv) of 1.7 may be utilized, 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 site-specific ground motion hazard analysis may be performed in accordance with ASCE 7-16 Section 21.2 to determine ground motions for any structure.]
- 25. Retaining walls shall be designed for a minimum equivalent fluid pressure (EFF) as specified on pages 7 and 8 of the September 30, 2014, referenced report. All surcharge loads shall be incorporated into the design.
- 26. All retaining walls shall be provided with a standard surface backdrain system and all drainage shall be conducted in a non-erosive device to the street in an acceptable manner (7013.11).
- 27. With the exception of retaining walls designed for hydrostatic pressure, all retaining walls shall be provided with a subdrain system to prevent possible hydrostatic pressure behind the wall. Prior to issuance of any permit, the retaining wall subdrain system recommended in the soils report shall be incorporated into the foundation plan which shall be reviewed and approved by the soils engineer of record (1805.4).
- 28. Installation of the subdrain system shall be inspected and approved by the soils engineer of record and the City grading/building inspector (108.9).

- 29. Basement walls and floors shall be waterproofed/damp-proofed with an LA City approved "Below-grade" waterproofing/damp-proofing material with a research report number (104.2.6).
- 30. Prefabricated drainage composites (Miradrain, Geotextiles) may be only used in addition to traditionally accepted methods of draining retained earth.
- 31. 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; water shall not be dispersed on to descending slopes without specific approval from the Grading Division and the consulting geologist and soils engineer (7013.10).
- 32. All concentrated drainage shall be conducted in an approved device and disposed of in a manner approved by the LADBS (7013.10).
- 33. Sprinkler plans for irrigation shall be submitted and approved by the Mechanical Plan Check Section (7012.3.1).
- 34. Any recommendations prepared by the geologist and/or the soils engineer for correction of geological hazards found during grading shall be submitted to the Grading Division of the Department for approval prior to use in the field (7008.2, 7008.3).
- 35. The geologist and 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).
- 36. 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 be filed with the Grading Division of the Department upon completion of the work. (108.9 & 7008.2)
- 37. Prior to excavation an initial inspection shall be called with the LADBS Inspector. During the initial inspection, the sequence of construction; shoring; pile installation; protection fences; and, dust and traffic control will be scheduled (108.9.1).
- 38. Installation of shoring, and/or pile excavations shall be performed under the inspection and approval of the soils engineer and deputy grading inspector (1705.6, 1705.8).
- 39. 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).

40. No footing/slab shall be poured until the compaction report is submitted and approved by the Grading Division of the Department.

Jeffrey T. Wilson
JEFFREY T. WILSON
Engineering Geologist I

Ying Liu
YING LIU
Geotechnical Engineer II

Log No. 112103
213-482-0480

cc: City of LA - GED, Project Consultant
WL District Office

California Coastal Commission
South Coast District Office

APPROVED
Permit No. 5-91-286-A13

By: *[Signature]*

EFFECTIVE
Date: 7/14/22



BOARD OF BUILDING AND SAFETY COMMISSIONERS
VAN AMBATILOS, PRESIDENT
E. FELICIA BRANNON, VICE PRESIDENT
JOSELYN GEAGA-ROSENTHAL, GEORGE NOVAGUJMAN, JAVIER NUÑEZ

CITY OF LOS ANGELES, CALIFORNIA
ERIC GARCETTI, MAYOR

DEPARTMENT OF BUILDING AND SAFETY
221 NORTH GARDEN STREET, LOS ANGELES, CA 90012
RAYMOND S. CHAN, C.E., S.E., GENERAL MANAGER
FRANK BUSH, EXECUTIVE OFFICER

GEOLOGY AND SOILS REPORT APPROVAL LETTER

October 19, 2015
LOG # 86513-01
SOILS/GEOLOGY FILE - 2
LIQ/LAN-Exempt

City of Los Angeles, Dept. Rec & Parks
350 South Grand Ave., 46th Floor
Los Angeles, CA 90071

TRACT: 10426 / 9300
LOT(S): Fr of LT 7 (Arb-4) / FR LT 7 (Arb-3) // Lot B
LOCATION: 15101 / 15125 / 15145 W Pacific Coast Highway

CURRENT REFERENCE REPORT LETTER(S)	REPORT No.	DATE(S) OF DOCUMENT	PREPARED BY
Addendum Report	05-159	09/17/2015	Geotechnical Engineering Group

PREVIOUS REFERENCE REPORT LETTER(S)	REPORT No.	DATE(S) OF DOCUMENT	PREPARED BY
Request for Modification	22141	10/19/2015	LADBS
Dept. Correction Letter	86513	12/19/2014	LADBS
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Dept. Approval Letter	70557	10/26/2010	LADBS
Geology/Soils Report	29403821	02/17/2010	URS

The Grading Division of the Department of Building and Safety has reviewed the referenced report dated September 17, 2015, November 5, 2014, and September 11, 2014, providing recommendations for the proposed prefabricated restroom, approximately 10 foot by 15 foot with 2 stalls, and drinking fountain, utilizing a structural mat foundation founded on a fill pad a minimum of 5 feet thick. The previously proposed approximately 3-4 foot long retaining wall, on average 4 feet high, and total height no greater than 6 feet, is no longer proposed, and not a part of this approval letter.

The earth materials at the subsurface exploration locations consist of uncertified fill to the maximum depth of 21.5 feet explored.

The consultants recommend to support the proposed structure on conventional foundations bearing on properly placed fill a minimum of 5 feet thick.

The site is located in a designated seismically induced landslide and liquefaction hazard zones, as shown on the "Seismic Hazard Zones" map issued by the State of California. However, the proposed construction is currently exempt (P/BC 2014-044).

The referenced reports dated September 17, 2015, and November 5, 2014, and September 11, 2014, are acceptable, provided the following conditions are complied with during site development:

(Note: Numbers in parenthesis () refer to applicable sections of the 2014 City of LA Building Code. P/BC numbers refer the applicable Information Bulletin. Information Bulletins can be accessed on the internet at LADBS.ORG.)

- 1. The geologist and soils engineer shall review and approve the detailed plans prior to issuance of any permits. This approval shall be by signature on the plans that clearly indicates the geologist and soils engineer have reviewed the plans prepared by the design engineer and that the plans include the recommendations contained in their reports. (7006.1)
- 2. A Request for Modification of Building Ordinances (File # 23917) to waive the requirement for the surety bond was reviewed and approved by Grading Division of the Department of Building and Safety.
- 3. An additional Request for Modification of Building Ordinances (File # 22141) was filed with the Grading Division of the Department of Building and Safety to allow the placement of structural fill on top of the existing fill to be limited to a minimum of 5 feet thick. This request was approved by Grading Division of the Department of Building and Safety.
- 4. All recommendations of the reports that are in addition to or more restrictive than the conditions contained herein shall be incorporated into the plans.
- 5. 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. Submit one copy of the above reports to the Building Department Plan Checker prior to issuance of the permit. (7006.1)
- 6. A grading permit shall be obtained for all structural fill and retaining wall backfill. (106.1.2)
- 7. 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 (D1556). Placement of gravel in lieu of compacted fill is allowed only if complying with Section 91.7011.3 of the Code. (7011.3)
- 8. If import soils are used, no footings shall be poured until the soils engineer has submitted a compaction report containing in-place shear test data and settlement data to the Grading Division of the Department, and obtained approval. (7008.2)
- 9. Compacted fill shall extend beyond the footings a minimum distance equal to the depth of the fill below the bottom of footings or a minimum of five feet whichever is greater (7011.3).
- 10. Drainage in conformance with the provisions of the Code shall be maintained during and subsequent to construction. (7013.12)
- 11. Grading shall be scheduled for completion prior to the start of the rainy season, or detailed temporary erosion control plans shall be filed in a manner satisfactory to the Grading Division of the Department and the Department of Public Works, Bureau of Engineering, B-Permit Section, for any grading work in excess of 200 cu yd. (7007.1)

1828 Sawtelle Blvd., 3rd Floor, West LA (310) 575-8388

- 12. All loose foundation excavation material shall be removed prior to commencement of framing. Slopes disturbed by construction activities shall be restored. (7005.3)
- 13. The applicant is advised that the approval of this report does not waive the requirements for excavations contained in the State Construction Safety Orders enforced by the State Division of Industrial Safety. (3301.1)
- 14. The proposed prefabricated restroom may be supported on at least 6 inches of crushed aggregate base that is compacted to at least 95 percent relative compaction, as recommended.
- 15. The aggregate base shall be underlain by at least 4.5 feet of compacted fill, as recommended.
- 16. All foundations shall derive entire support from a blanket of properly placed fill a minimum of 4.5 feet thick, as recommended and approved by the geologist and soils engineer by inspection.
- 17. Special provisions such as flexible or swing joints shall be made for buried utilities and drain lines to allow for differential vertical displacement.
- 18. Foundations adjacent to a descending slope steeper than 3:1 (H:V) in gradient shall be a minimum distance of one-third the vertical height of the slope but need not exceed 40 feet measured horizontally from the footing bottom to the face of the slope (1808.7.2)
- 19. Buildings adjacent to ascending slopes steeper than 3:1 (H:V) in gradient shall be set back from the toe of the slope a level distance equal to one-half the vertical height of the slope, but need not exceed 15 feet (1808.7.1)
- 20. Slab on uncertified fill shall be designed as a structural slab. (7011.3)
- 21. 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.
- 22. All roof and pad drainage shall be conducted to the street in an acceptable manner; water shall not be dispersed on to descending slopes without specific approval from the Grading Division and the consulting geologist and soils engineer. (7013.10)
- 23. All concentrated drainage shall be conducted in an approved device and disposed of in a manner approved by the LADBS. (7013.10)
- 24. Sprinkler plans for irrigation shall be submitted and approved by the Mechanical Plan Check Section (7012.3.1).
- 25. Any recommendations prepared by the geologist and/or the soils engineer for correction of geological hazards found during grading shall be submitted to the Grading Division of the Department for approval prior to utilization in the field. (7008.3)
- 26. The geologist and 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)
- 27. Prior to the pouring of concrete, a representative of the consulting soils engineer shall inspect and approve the footing excavations. He/She shall post a notice on the job site for the LADBS Building Inspector and the Contractor stating that the work so inspected meets the conditions of the report, but that no concrete shall be poured until the City Building Inspector has also inspected and

approved the footing excavations. A written certification to this effect shall be filed with the Grading Division of the Department upon completion of the work. (108.9 & 7008.2)

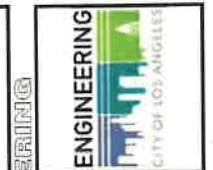
- 28. Prior to excavation, an initial inspection shall be called with LADBS Inspector at which time sequence of construction, protection fences and dust and traffic control will be scheduled. (108.9.1)
- 29. Prior to the placing of compacted fill, a representative of the soils engineer shall inspect and approve the bottom excavations. He/She shall post a notice on the job site for the City Grading Inspector and the Contractor stating that the soil inspected meets the conditions of the report, but that no fill shall be placed until the LADBS Grading 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)
- 30. No footing/slab shall be poured until the compaction report is submitted and approved by the Grading Division of the Department.

Jeffrey T. Wilson
JEFFREY T. WILSON
Engineering Geologist I

Ying Liu
YING LIU
Geotechnical Engineer I

Log No. 86513-01
213-482-0480

cc: Geotechnical Engineering Group, Project Consultant
WL District Office



BUREAU OF ENGINEERING

DATE BY: _____

WORK ACCEPTED: _____

INDEX NO. **D-35381**

B - PERMITS



DESIGN GROUP: _____

ENGINEER: CHARLES C. FEIST, PE

DESIGNED BY: HERNAN IGNACIO

DRAWN BY: HERNAN IGNACIO

CHECKED BY: RIAZ CHAUDHARY, PE

APPROVED BY: RIAZ CHAUDHARY, PE

VERTICAL CONTROL: SEE PLAN SHEETS FOR CONTROL LINE REFERENCE

HORIZONTAL CONTROL: SEE PLAN SHEETS FOR CONTROL LINE REFERENCE

SHEET TITLE: BUILDING AND SAFETY APPROVAL LETTERS

PROJECT: POTRERO CANYON PARK UNIT 3 GRADING

ADDRESS: 15101, 15125 AND 15145 PACIFIC COAST HIGHWAY PACIFIC PALISADES, CA. 90027

DRAWING NO. E1908635

G-5

SHEET 5 OF 95 SHEETS

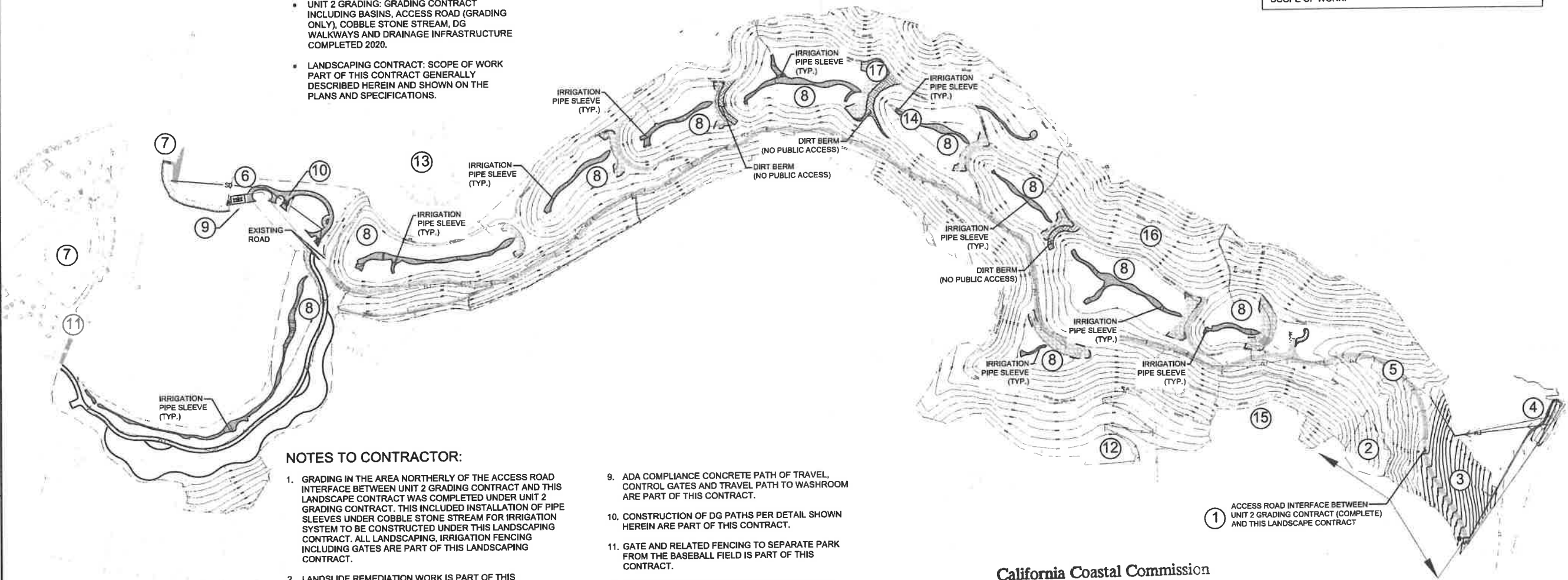
REVISION DATE (DESIGN STAGE ONLY)

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

UNIT 2 GRADING AND LANDSCAPING CONTRACT INTERFACE / OVERLAP

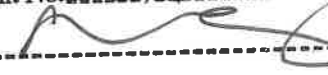
THIS INTERFACING/OVERLAP PLAN IS SCHEMATIC AND DOES NOT IDENTIFY ALL AREAS OF WORK LOCATION DESCRIBED HEREIN. CONTRACTOR SHALL STUDY THE ENTIRE PLANS AND SPECIFICATIONS TO UNDERSTAND AND QUANTIFY THE ENTIRE SCOPE OF WORK.

- UNIT 2 GRADING: GRADING CONTRACT INCLUDING BASINS, ACCESS ROAD (GRADING ONLY), COBBLE STONE STREAM, DG WALKWAYS AND DRAINAGE INFRASTRUCTURE COMPLETED 2020.
- LANDSCAPING CONTRACT: SCOPE OF WORK PART OF THIS CONTRACT GENERALLY DESCRIBED HEREIN AND SHOWN ON THE PLANS AND SPECIFICATIONS.



NOTES TO CONTRACTOR:

1. GRADING IN THE AREA NORTHERLY OF THE ACCESS ROAD INTERFACE BETWEEN UNIT 2 GRADING CONTRACT AND THIS LANDSCAPE CONTRACT WAS COMPLETED UNDER UNIT 2 GRADING CONTRACT. THIS INCLUDED INSTALLATION OF PIPE SLEEVES UNDER COBBLE STONE STREAM FOR IRRIGATION SYSTEM TO BE CONSTRUCTED UNDER THIS LANDSCAPING CONTRACT. ALL LANDSCAPING, IRRIGATION FENCING INCLUDING GATES ARE PART OF THIS LANDSCAPING CONTRACT.
2. LANDSLIDE REMEDIATION WORK IS PART OF THIS LANDSCAPING CONTRACT. * AREA WAS GRADED UNDER UNIT 2 GRADING CONTRACT. ALSO ALL TERRACE DRAIN HAVE BEEN INSTALLED IN THIS AREA. LANDSCAPING CONTRACTOR IS RESPONSIBLE FOR RESTORING ANY WORKS DAMAGED AND/OR REMOVED DURING THE REMEDIATION, EVEN IF NOT NOTED ON THE PLANS OR IN SPECIFICATIONS.
3. GRADING OF THIS AREA INCLUDING ACCESS ROAD GRADING SOUTHERLY OF ACCESS ROAD INTERFACE IS PART OF THIS LANDSCAPING CONTRACT.
4. STORMWATER LIFT STATION AND RELATED PIPING AND OTHER WORK ARE PART OF THIS CONTRACT.
5. GRADING OF ACCESS ROAD NORTHERLY OF ACCESS ROAD INTERFACE WAS COMPLETED UNDER UNIT 2 GRADING CONTRACT. LANDSCAPING CONTRACTOR IS RESPONSIBLE FOR INSTALLING SOIL CEMENT WORK PER THE REQUIREMENTS OF THIS LANDSCAPING CONTRACT. THIS INCLUDES ANY RESTORATION REPAIR WORK REQUIRED DUE TO USE OF THE ROAD BY THE LANDSCAPING CONTRACTOR PRIOR TO SOIL CEMENT WORK AT NO ADDITIONAL COST TO THE CITY TO PRE-CONSTRUCTION START CONDITIONS.
6. CONSTRUCTION OF WASHROOMS AND RELATED UTILITY WORK IS PART OF THIS LANDSCAPING CONTRACT.
7. COSTRUCTION OF PARKING LOT AND RELATED ADA COMPLIANCE STRIPING AND RELATED WORK ARE PART OF THIS CONTRACT
8. FINISH GRADING OF THE BASINS BOTTOM AND PLACEMENT OF 6" TOP SOIL AT BOTTOM OF THE BASINS IS PART OF LANDSCAPING CONTRACT. SEE SHEETS C-15 TO C-17
9. ADA COMPLIANCE CONCRETE PATH OF TRAVEL, CONTROL GATES AND TRAVEL PATH TO WASHROOM ARE PART OF THIS CONTRACT.
10. CONSTRUCTION OF DG PATHS PER DETAIL SHOWN HEREIN ARE PART OF THIS CONTRACT.
11. GATE AND RELATED FENCING TO SEPARATE PARK FROM THE BASEBALL FIELD IS PART OF THIS CONTRACT.
12. GRADING AND CONSTRUCTION OF ACCESS PATH FROM FRIEND STREET DOWN TO THE PARK TERRACE TRAIL IS PART OF THIS CONTRACT.
13. REMOVAL OF EXISTING VEGETATION AND TREES FROM AREAS OF THE PARK NOT GRADED UNDER UNIT 2 ARE PART OF THIS CONTRACT. SEE SHEETS C-15 TO C-17
14. PLACEMENT OF ADDITIONAL COBBLE STONES IN AREAS DIRECTED BY THE CITY ACCORDING TO THE DETAIL SHOWN ON SHEET C-21. CONTRACTOR TO PERFORM THE WORK ON TIME AND MATERIALS.
15. THE EXISTING TEMPORARY CHAIN LINK FENCE AROUND THE PERIMETER OF THE PARK SHALL BE ENTIRELY REMOVED AND DISPOSED OF BY THE LANDSCAPE CONTRACTOR AND REPLACED WITH THE NEW FENCING AND GATES AS SHOWN ON THESE PLANS.
16. CONTRACTOR IS TO CLEAR ALL VEGETATION AND GRUB ALL CANYON AREAS AND SLOPE GRADED UNDER UNIT 2 GRADING PRIOR TO PLANTING AND HYDROSEEDING. SEE SHEETS L-700 TO L-719.
17. CONTRACTOR IS TO ADD SOIL FROM THE PCH STOCKPILE TO THE EXISTING RIP-RAP ON CHECK DAMS FOR ALL BASINS TO FILL VOIDS AND PROVIDE BASE FOR HYDROSEEDING. *BID ALTERNATE NO. 2*
18. MODIFICATIONS TO BERM RISER TRASH RACK - 10 LOCATIONS. SEE SHEETS C-11 AND C-12

California Coastal Commission
South Coast District Office
APPROVED
Permit No. 5-91-286-A13
By: 
EFFECTIVE
Date: 7/14/22

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

BUREAU OF ENGINEERING																							
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C-1 SHEET 6 OF 95 SHEETS																							

GENERAL NOTES

- 1. STANDARD SPECIFICATIONS: ALL WORK SHALL CONFORM TO THE LATEST EDITION AND SUPPLEMENTS OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (SSPWC) ADOPTED BY THE BOARD OF PUBLIC WORKS OF THE CITY OF LOS ANGELES AS MODIFIED BY THE CORRESPONDING ISSUE OF THE LATEST STANDARD PLAN S-610, AND SPECIAL PROVISIONS, AND THE CURRENT LOS ANGELES BUILDING CODE (L.A.B.C.)
2. THE ENGINEER DOES NOT WARRANT THE ACCURACY OF THE SCALED DIMENSIONS. ALL DIMENSIONS SHALL BE AS DESIGNATED ON THE PLANS.
3. THE CONTRACTOR SHALL BRING TO THE ENGINEER'S ATTENTION ANY OMISSIONS OR CONFLICTS BETWEEN VARIOUS ELEMENTS OF THE DRAWINGS, NOTES AND DETAILS PRIOR TO PROCEEDING WITH THE WORK.
4. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD BEFORE STARTING WORK. NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
5. THE CONTRACTOR SHALL PROTECT ALL PUBLIC AND PRIVATE PROPERTY INsofar AS IT MAY BE ENDANGERED BY HIS/HER OPERATIONS FOR THE PROJECT. THE CONTRACTOR SHALL TAKE EVERY NECESSARY PRECAUTION TO AVOID DAMAGE TO EXISTING STRUCTURES AND ENSURE THE SAFETY OF PEDESTRIANS IN THE PROXIMITY OF THE WORK. THE CONTRACTOR SHALL FURNISH AND INSTALL APPROPRIATE SIGNS AND ADEQUATE WARNING DEVICES TO ADVISE THE PUBLIC OF CONSTRUCTION HAZARDS, AND UPON COMPLETION OF THE WORK SHALL PROMPTLY REMOVE THEM. ANY DAMAGE TO THE EXISTING STRUCTURES CAUSED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED TO THE SATISFACTION OF THE ENGINEER AT NO COST TO THE CITY.
6. THE CONTRACTOR SHALL EXERCISE CARE THAT NO EXCAVATED MATERIAL OR DEBRIS RESULTING FROM HIS OPERATION SHALL RUN DOWN THE EXISTING SLOPE AND STREET OR OTHER PROPERTIES. EXISTING TREES AND SHRUBBERY, WHEN NOT IN DIRECT CONFLICT WITH CONSTRUCTION ACTIVITIES, SHALL BE PROTECTED.
7. EXISTING IMPROVEMENTS SHOWN ON THESE PLANS AS INDICATED BY THE ENGINEER THAT INTERFERE WITH THE PROPOSED CONSTRUCTION SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR UNLESS OTHERWISE NOTED. ALL MATERIAL SUCH AS VEGETATION, TIMBER, ROCKS, CONCRETE, AND ASPHALT REMOVED BY THE CONTRACTOR SHALL BE DISPOSED BY THE CONTRACTOR.
8. EXISTING IMPROVEMENTS REMAINING IN PLACE WHICH ARE DAMAGED BY THE CONTRACTOR'S OPERATIONS OR RELOCATED TO FACILITATE THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE, TO THE SATISFACTION OF THE ENGINEER.
9. UNDERGROUND SERVICE ALERT (U.S.A.): WITHIN TEN DAYS BEFORE STARTING DRILLING OPERATIONS OR EXCAVATION WORK, THE CONTRACTOR SHALL CALL 1-800-422-4133 AND OBTAIN A U.S.A. INDUSTRY IDENTIFICATION NUMBER. AFTER OBTAINING THE NUMBER, DRILLING OR EXCAVATIONS SHALL NOT PROCEED FOR TWO WORKING DAYS TO ALLOW FOR NOTIFICATION OF UTILITY OWNERS. THE NUMBER SHALL ALSO BE REPORTED TO THE INSPECTOR WHEN REQUESTING INSPECTION. THE CONTRACTOR SHALL DETERMINE THE LOCATION AND DEPTH OF ALL UNDERGROUND UTILITIES WHICH HAVE BEEN MARKED BY THE RESPECTIVE OWNERS AND PROTECT THEM DURING CONSTRUCTION. THE CONTRACTOR SHALL TAKE SPECIAL PRECAUTIONS TO PROTECT AND MAINTAIN CONTINUOUS SERVICE OF UNDERGROUND UTILITY LINES.
10. THE GEOTECHNICAL ENGINEERING DIVISION (G.E.D.) PROJECT GEOTECHNICAL ENGINEER SHALL OBSERVE THE SLOPE FOLLOWING THE CLEARING AND GRUBBING, BE PRESENT DURING UTILITY RELOCATION, BE PRESENT DURING DRILLING AND ALSO INSPECT AND APPROVE ALL DRILLED HOLES AND EXCAVATIONS PRIOR TO THE PLACEMENT OF STEEL, CONCRETE, CONTROLLED LOW STRENGTH MATERIAL, OR COMPACTED FILL. GEOTECHNICAL ENGINEERING OR THEIR REPRESENTATIVE IS TO OBSERVE AND APPROVE THE EXCAVATION BOTTOM AND LEAVES A DAILY FIELD REPORT AT THE SITE FOR THE DEPARTMENT OF BUILDING INSPECTOR. NOTIFIED BEFORE ANY GRADING BEGINS AND, FOR THE BOTTOM INSPECTION, BEFORE ANY FILL IS PLACED, UNLESS SHORED PER OSHA STANDARDS. (SEE NOTE 51). THE GEOTECHNICAL ENGINEERING DIVISION (G.E.D.) SHALL BE NOTIFIED AT (213) 847-0472 OR (213) 847-0492 AT LEAST TWO (2) WORKING DAYS PRIOR TO ANY REQUEST FOR INSPECTION.
11. UNLESS INDICATED OTHERWISE ALL FILL AND BACKFILL SHALL BE BENCHED INTO FIRM MATERIAL AND COMPACTED IN LEVEL 8-INCH LIFTS TO A MINIMUM OF 90% OF THE MAXIMUM DRY DENSITY AS PER ASTM D1557 GED WILL PERFORM FIELD DENSITY TESTS AND COMPARE WITH LABORATORY COMPACTION CURVES TO DETERMINE RC.
12. APPROVAL BY THE INSPECTOR DOES NOT MEAN APPROVAL FOR FAILURE TO COMPLY WITH THE PLANS OR EXCAVATIONS ANY DESIGN WHICH FAILS TO BE CLEAR OR IS AMBIGUOUS, MUST BE REFERRED TO THE ENGINEER FOR INTERPRETATION OR CLARIFICATION.
13. ALL EXCAVATIONS, CUT SLOPES, REMOVAL AND RECOMPACTION OF SOIL SHALL CONFORM TO THE REQUIREMENTS OF THE GED REPORTS LISTED ON THIS SHEET AND/OR REFERENCED IN THE APPROVAL LETTERS BY THE CITY OF LOS ANGELES DEPARTMENT OF BUILDING AND SAFETY, NOVEMBER 12, 2019 INCLUDED HEREIN ON SHEET G-2 & G-3 FOR CONTRACTOR'S USE AND COMPLIANCE. ALL IMPORT MATERIAL SHALL BE REVIEWED FOR APPROVAL BY THE GEOTECHNICAL ENGINEER.
URS REPORT DATED FEB. 17, 2010 IS NOT APPLICABLE TO THIS PROJECT.
14. STANDARD PLANS USED FOR THIS PROJECT (MOST CURRENT REVISION):
1. NOTICE TO CONTRACTOR - COMPREHENSIVE "BROWN BOOK".....S-610
2. ADVANCE CONSTRUCTION NOTICE SIGNS.....S-791
15. THE CONTRACTOR SHALL MAINTAIN ALL HYDRO SEEDED AREAS ON A CONTINUOUS BASIS AS THEY ARE COMPLETED DURING THE PROGRESS OF THE WORK, AND SHALL CONTINUE TO MAINTAIN THEM UNTIL FINAL ACCEPTANCE AS SPECIFIED IN SECTION 308-6 OF THE STANDARD SPECIFICATIONS.
16. THE CONTRACTOR SHALL PREPARE AND SUBMIT SHOP DRAWINGS TO THE ENGINEER FOR THE FOLLOWING ITEMS:
i. CONSTRUCTION DETAILS
ii. CONCRETE MIX DESIGN (SEE SPECIAL REQUIREMENTS ON SHEET C-3)
iii. HYDROSEEDING
iv. AS REQUIRED BY THE BUREAU OF ENGINEERING MASTER SPECIFICATION SECTION 01330 GENERAL REQUIREMENTS FOR SHOP DRAWINGS/SUBMITTALS.
v. STORM WATER POLLUTION PREVENTION PLAN (SWPPP) PREPARED BY A CALIFORNIA CERTIFIED SWPPP DEVELOPER (OSD).
17. HYDROSEEDING SHALL BE PLACED WITHIN THE ENTIRE BOUNDARY OF THE SLOPE REPAIR AND 5 FEET BEYOND ANY DISTURBED SOIL AREA PER THE SPECIFICATIONS ON LANDSCAPING SPECIFICATION SHEETS.
18. NO FILL SHALL BE PLACED UNTIL THE CITY BUILDING AND SAFETY GRADING INSPECTOR, THE PUBLIC WORKS INSPECTOR AND THE GEOTECHNICAL ENGINEER OF RECORD (GEO) HAS INSPECTED AND APPROVED THE BOTTOM OF EACH EXCAVATION. SEE SECTION 5 ON L003.
19. GEOTECHNICAL ENGINEERING DIVISION (G.E.D.) (213) 847-0472 OR (213) 847-0492 OR THEIR REPRESENTATIVE SHALL BE ON SITE TO APPROVE GRADING EARTHWORK WHERE PROJECTS INVOLVE UNUSUAL HAZARDS. (L.A.B.C. SECTION 91.701.5)

STRUCTURAL AND GEOTECHNICAL NOTES

- 1. ALL CONCRETE MIXES, FINISHES, AND PLACEMENT METHODS SHALL BE APPROVED BY THE STRUCTURAL ENGINEER AND THE INSPECTOR OF PUBLIC WORKS. THE CONTRACTOR SHALL SUBMIT AGGREGATE AND FINISH SAMPLES, COLOR SAMPLES, AND MIX DESIGN, AND SHALL PREPARE (3) 10' LONG SECTIONS OF CONCRETE TERRACE OR DOWN DRAIN MOCKUPS FOR SELECTION OF ONE PREFERRED ALTERNATE BY OWNER'S REPRESENTATIVE. (SEE SPECIAL REQUIREMENTS ON SHEET C-3)
2. ANY WET MIX SHOTCRETE SHALL BE CLASS 660-D-4000P. CONTINUOUS INSPECTION IS REQUIRED BY A REGISTERED DEPUTY INSPECTOR. THE SHOTCRETE SHALL CONFORM TO THE CORRESPONDING MAXIMUM WATER-CEMENT RATIO OF 0.50. ALL WORK SHALL COMPLY WITH THE CURRENT STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (SSPWC) INCLUDING SECTION 303-2, AND ALSO THE DEPARTMENT OF BUILDING AND SAFETY RGA #1-85.
3. A REGISTERED DEPUTY INSPECTOR IS REQUIRED DURING CONCRETE AND SHOTCRETE PLACEMENT.
4. PRIOR TO PLACEMENT OF SHOTCRETE ALL LOOSE SOIL AND VEGETATION SHALL BE REMOVED TO FIRM, COMPACTED MATERIAL, AS APPROVED BY THE GEOTECHNICAL ENGINEER.
5. ALL BAR REINFORCEMENT SHALL CONFORM TO THE REQUIREMENTS OF ASTM DESIGNATION A615, GRADE 60.
6. BAR SPACINGS ARE CENTER TO CENTER. BAR COVER IS THE CLEAR DISTANCE BETWEEN SURFACE OF BAR AND FACE OF CONCRETE AND SHALL BE 3", UNLESS OTHERWISE NOTED. REINFORCEMENT SHALL TERMINATE 3" FROM CONCRETE SURFACE UNLESS NOTES OTHERWISE. REINFORCEMENT SHALL EXTEND THROUGH CONSTRUCTION JOINTS.
7. UNLESS OTHERWISE DETAILED HEREIN OR APPROVED BY THE ENGINEER:
a. BARS SHALL BE LAPPED 45 DIAMETERS OF THE SMALLER BAR SPICED.
b. BARS MAY BE CONTINUOUS IN LIEU OF SPlicing.
c. BARS SHOWN SPICED SHALL BE CONTINUOUS AT ALL OTHER LOCATIONS.
d. SPLICES IN ADJACENT BARS SHALL BE STAGGERED AT LEAST ON SPLICE LENGTH.
e. LONGITUDINAL BAR SPLICES SHALL BE LAPPED 20 BAR DIAMETERS.
8. ALL UNSUITABLE SOIL EXCAVATED DURING CONSTRUCTION SHALL BE EXPORTED FROM THE SITE. ON-SITE SOIL MAY BE USED FOR BACKFILL PROVIDED IT IS APPROVED, PRIOR TO PLACEMENT, BY THE PROJECT GEOTECHNICAL ENGINEER.
9. NOT USED.
10. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND STRUCTURAL CALCULATIONS FOR ALL SHORING TO THE ENGINEER. THE ENGINEER WILL REVIEW THE SUBMITTAL. THE CONTRACTOR SHALL NOT INSTALL SHORING UNTIL OBTAINING APPROVAL FROM THE ENGINEER. ALL SHORING SUBMITTALS SHALL BE STAMPED AND SIGNED BY THE CONTRACTOR'S CIVIL ENGINEER LICENSED IN THE STATE OF CALIFORNIA.
11. PORTLAND CEMENT SHALL CONFORM TO ASTM DESIGNATION C-150.
12. ALL CONCRETE EXPOSED EDGES AND CORNERS SHALL BE CHAMFERED 3/4".
13. SUBDRAINS SHALL BE INSTALLED ALONG THE BACK PORTION OF THE KEYWAY OR BENCH EXCAVATION. SUBDRAINS SHALL BE INSTALLED FOR EVERY 25 FEET OF VERTICAL FILL PLACEMENT AND NEAR THE FILL / BEDROCK CONTACT AND / OR JUST BELOW THE TERRACE DEPOSITS. BEDROCK CONTACT ON NATIVE MATERIALS, WHENEVER INDICATED BY THE PROJECT GEOLOGIST TO CAPTURE GROUNDWATER SOURCES.

STORMWATER POLLUTION CONTROL NOTES

- 1. ERODED SEDIMENTS AND OTHER POLLUTANTS MUST BE RETAINED ON SITE AND MAY NOT BE TRANSPORTED FROM THE SITE VIA SHEETFLOW, SWALES, AREA DRAINS, NATURAL DRAINAGE COURSES OR WIND.
2. STOCKPILES OF EARTH AND OTHER CONSTRUCTION RELATED MATERIALS MUST BE PROTECTED FROM BEING TRANSPORTED FROM THE SITE BY THE FORCES OF WIND OR WATER.
3. FUELS, OILS, SOLVENTS AND OTHER TOXIC MATERIALS MUST BE STORED IN ACCORDANCE WITH THEIR LISTING AND ARE NOT TO CONTAMINATE THE SOIL AND SURFACE WATERS. ALL APPROVED STORAGE CONTAINERS ARE TO BE PROTECTED FROM THE WEATHER. SPILLS MUST BE CLEANED UP IMMEDIATELY AND DISPOSED OF IN A PROPER MANNER. SPILLS MAY NOT BE WASHED INTO THE DRAINAGE SYSTEM.
4. NON-STORMWATER RUNOFF FROM EQUIPMENT AND VEHICLE WASHING AND ANY OTHER ACTIVITY SHALL BE CONTAINED AT THE PROJECT SITE.
5. EXCESS OR WASTE CONCRETE MAY NOT BE WASHED INTO THE PUBLIC WAY OR ANY OTHER DRAINAGE SYSTEM. PROVISIONS SHALL BE MADE TO RETAIN CONCRETE WASTES ON SITE UNTIL THEY CAN BE DISPOSED OF AS SOLID WASTE.
6. TRASH AND CONSTRUCTION RELATED SOLID WASTES MUST BE DEPOSITED INTO A COVERED RECEPTACLE TO PREVENT CONTAMINATION OF RAINWATER AND DISPERSAL BY WIND.
7. SEDIMENTS AND OTHER MATERIALS MAY 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 PUBLIC WAY. ACCIDENTAL DEPOSITIONS MUST BE SWEEP-UP IMMEDIATELY AND MAY NOT BE WASHED DOWN BY RAIN OR OTHER MEANS.
8. 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.
9. 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.

EARTHWORK NOTES TO CONTRACTOR

- 1. CONTRACTOR SHALL PERFORM TOPOGRAPHIC SURVEY AT THE BEGINNING OF THE ENTIRE PROJECT, PRIOR TO ANY GRADING WORK, FOR VERIFICATION OF ANY DISCREPANCIES OF THE TOPOGRAPHIC SURVEY PROVIDED IN THESE DRAWINGS.
2. THE CONTRACTOR IS REQUIRED TO ESTIMATE THE QUANTITIES OF GRADING WORK TO BE DONE AND INCLUDE ALL COSTS THEREFROM IN HIS BID, AS NO ADDITIONAL ALLOWANCE WILL BE ALLOWED FROM THE OWNER.
3. OVER-EXCAVATION AND/OR EXCESS BACKFILLING OR DUPLICATION OF GRADING ACTIVITIES IS NOT A BASIS FOR ADDITIONAL COMPENSATION. THIS ALSO APPLIES WHERE MATERIAL IS TO BE REMOVED AND REPLACED TO REDUCE MOISTURE CONTENT.
4. OFF-SITE DISPOSAL OF EXCAVATION MATERIAL IS THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE INCLUDED IN HIS BID. THE CONTRACTOR SHALL HOLD THE OWNER AND ENGINEER HARMLESS AS A RESULT OF ANY CLAIMS ARISING FROM ACTIONS ENROUTE OR AWAY FROM THE SITE.
5. 100% OF EXCAVATED SOIL AND VEGETATION RESULTING FROM LAND CLEARING SHALL BE REUSED OR RECYCLED.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR EXTENDING/MODIFYING EXISTING SUBDRAINS ENCOUNTERED DURING GRADING OPERATIONS.

GEOTECHNICAL REPORTS

THE FOLLOWING REPORTS ARE RELEVANT TO WORK UNDER THIS CONTRACT AND ARE AVAILABLE FOR USE BY THE CONTRACTOR/BIDDERS:

- 1. ORIGINAL UNIT 3 REPORT DATED 11-8-2013
2. UNIT 3 SUPPLEMENTAL REPORT DATED 10-15-2019
3. ORIGINAL RESTROOM REPORT DATED 11-5-2014
4. SUPPLEMENTAL RESTROOM REPORT DATED 9-7-2015
5. LIFT STATION REPORT DATED 9-30-2014
6. UPDATED LIFT STATION REPORT DATED 2-4-2020

SURVEY CONTROL DATA FOR POTRERO CANYON

CONTRACTOR SHALL PERFORM TOPOGRAPHIC SURVEY AT THE BEGINNING OF THE ENTIRE PROJECT, PRIOR TO ANY GRADING WORK, FOR VERIFICATION OF ANY DISCREPANCIES OF THE TOPOGRAPHIC SURVEY PROVIDED IN THESE DRAWINGS.
THE AERIAL TOPO IS FLOWN IN OCTOBER 2008, HORIZONTAL CONTROL: GPS, CA, ZONE 5, NAD 83 (NSRS 2007), EPOCH 2007.0 VERTICAL CONTROL: GPS DERIVED FROM NAVD '88, 2000 ADJUSTMENT
CP # 301 - S&W AND PAINTED AT-X IN BEACH PARKING LOT SW OF TEMESCAL CANYON RD. & PACIFIC COAST HIGHWAY
N = 1834746.584
E = 6401089.520
EL = 22.735
CP # 302 - PM ON N RIM OF SMH, INTERSECTION OF FRIENDS STREET & SWARTHMORE AVENUE
N = 1836221.365
E = 6401535.699
EL = 275.298
CP # 303 - SMHM, C/L INTERSECTION OF VIA DE LAS OLAS & DE PAUW STREET
N = 1837469.202
E = 6401457.314
EL = 308.291
LA CITY BM 14-17835, EL = 287.910, SPK IN E CURB OF SWARTHMORE AVENUE, 1' N OF BC CURB RETURN N OF EARLHAM STREET
USGS BM (PID = EW9596), EL = 21.720, BRASS DISK UNDER CAP IN BIKE PATH SW OF TEMESCAL CANYON RD. & PACIFIC COAST HIGHWAY
AERIAL TOPOGRAPHY: FLOWN IN OCTOBER 2008 BY OLYMPIC SURVEY WITH SUPPLEMENTAL FIELD SURVEY BY CITY SURVEYORS INCORPORATED IN 2013. CONTOUR INTERVAL=1'

UNAUTHORIZED CHANGES & USES

CAUTION: THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARER OF THESE PLANS.

ENGINEERS NOTICE TO CONTRACTORS:

CALL UNDERGROUND SERVICE ALERT (USA). USA REPRESENTS MANY, BUT NOT NECESSARILY ALL, UTILITY AND OIL COMPANIES THAT HAVE UNDERGROUND LINES WITHIN THE PROJECT AREA. IN ORDER TO AVOID DAMAGE TO THESE LINES, CONTACT USA TWO WORKING DAYS PRIOR TO DIGGING OR EXCAVATION. USA WILL ASSIST IN IDENTIFYING THOSE COMPANIES THAT THEY REPRESENT WHICH HAVE UTILITY LINES IN THE AREA AND CONTACTING THE RESPECTIVE COMPANIES THEY REPRESENT TO HAVE THOSE LINES MARKED ON THE GROUND.

PRIVATE AND PUBLIC UTILITIES AS SHOWN REFLECT AVAILABLE RECORD INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL LINES AFFECTING THIS WORK AND ANY DAMAGE OR PROTECTION TO THESE LINES. PRIOR TO STARTING CONSTRUCTION OF THIS PROJECT THE CONTRACTOR SHALL VERIFY THE EXISTING ELEVATIONS OF THE EXISTING MAINS WHEN MAKING CONNECTIONS AND UNCOVERING ALL EXISTING UTILITY LINES AFFECTING THIS WORK. IF A CONFLICT IN LOCATION IS NOTED, THE ENGINEER MUST BE NOTIFIED BEFORE PROCEEDING.

PRIOR TO EXCAVATION AND SHORING, ANY REQUIRED SHORING DESIGN WILL BE PERFORMED BY THE CONTRACTOR PER THE CITY OF LOS ANGELES - BUREAU OF ENGINEERING, GEOTECHNICAL DIVISION RECOMMENDATIONS. THE CONTRACTOR SHALL SUBMIT THE SHORING DESIGN TO THE BUREAU OF ENGINEERING'S EXCAVATION COUNTER FOR REVIEW AND APPROVAL.

SPECIAL NOTE FOR PCH STRIPING

CONTRACTOR SHALL RESTORE LANE STRIPING ON PCH AT THE COMPLETION OF THE PROJECT THIS INCLUDES REMOVING THE TEMPORARY LANE STRIPING FOR INGRESS/EGRESS TO/FROM PROJECT SITES, RESURFACING OF IMPACTED LANES AND RESTORING STRIPING TO ORIGINAL CONFIGURATION. SEE CALTRANS ENCROACHMENT PERMIT RIDER NO. 07-1B-N-RW-2827 FOR DETAILS.

SPECIAL NOTE FOR SCHEDULING

PARKING LOT IMPROVEMENTS SHOWN ON DRAWINGS C-7, L-718 AND RELATED WORKS SHOWN ELSEWHERE ON THESE PLANS MUST BE STARTED WITHIN THE FIRST MONTH OF THE START OF CONSTRUCTION AND COMPLETED IN A CONTINUOUS OPERATION TO LIMIT INCONVENIENCE TO PALISADES PARK PATRONS.

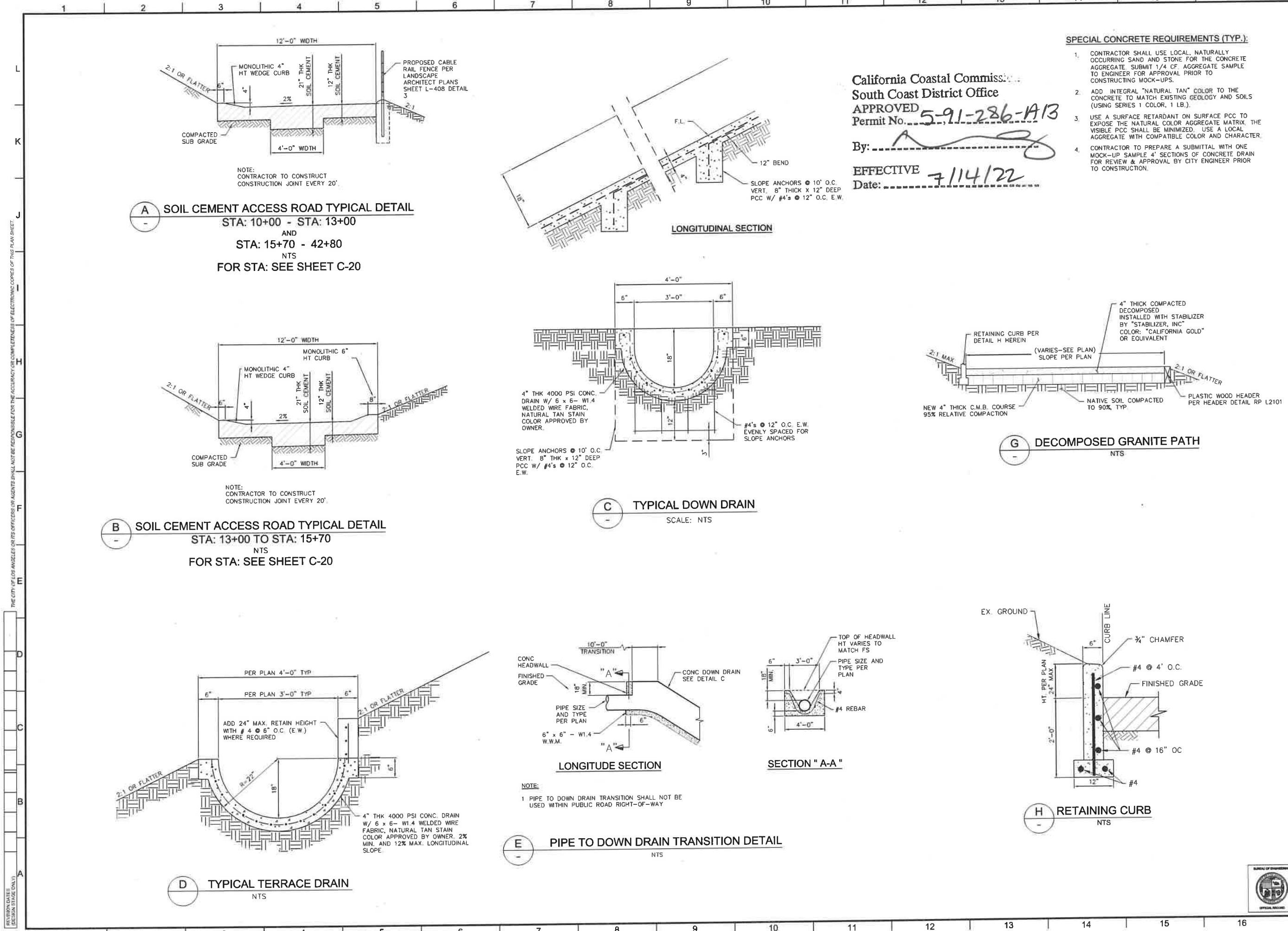
California Coastal Commission
South Coast District Office

APPROVED
Permit No. 5-91-286-A13

By: [Signature]

EFFECTIVE
Date: 7/14/22

Vertical sidebar containing: BUREAU OF ENGINEERING, ENGINEERING, CITY OF LOS ANGELES, DEPARTMENT OF PUBLIC WORKS, DESIGN GROUP, ENGINEER: CHARLES C. FEIST, PE, DESIGNED BY: HERNAN IGNACIO, DRAWN BY: HERNAN IGNACIO, CHECKED BY: RIAZ CHAUDHARY, PE, APPROVED BY: RIAZ CHAUDHARY, PE, NOTES AND ABBREVIATIONS, POTRERO CANYON PARK UNIT 3 GRADING, ADDRESS: 15101, 15125 AND 15145 PACIFIC COAST HIGHWAY, PACIFIC PALISADES, CA 90272, DRAWING NO. E1908635, SHEET 7 OF 95 SHEETS, C-2



California Coastal Commission
 South Coast District Office
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 By: _____
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 Date: _____

SPECIAL CONCRETE REQUIREMENTS (TYP.):

- CONTRACTOR SHALL USE LOCAL, NATURALLY OCCURRING SAND AND STONE FOR THE CONCRETE AGGREGATE. SUBMIT 1/4 CF AGGREGATE SAMPLE TO ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTING MOCK-UPS.
- ADD INTEGRAL "NATURAL TAN" COLOR TO THE CONCRETE TO MATCH EXISTING GEOLOGY AND SOILS (USING SERIES 1 COLOR, 1 LB.).
- USE A SURFACE RETARDANT ON SURFACE PCC TO EXPOSE THE NATURAL COLOR AGGREGATE MATRIX. THE VISIBLE PCC SHALL BE MINIMIZED. USE A LOCAL AGGREGATE WITH COMPATIBLE COLOR AND CHARACTER.
- CONTRACTOR TO PREPARE A SUBMITTAL WITH ONE MOCK-UP SAMPLE 4' SECTIONS OF CONCRETE DRAIN FOR REVIEW & APPROVAL BY CITY ENGINEER PRIOR TO CONSTRUCTION.

ENGINEERING
 CITY OF LOS ANGELES

BUREAU OF ENGINEERING

DATE: _____
 V. NO. REVISIONS: _____
 INWORK ACCEPTED: _____
 SERIAL NO.: _____
 B-PERMIT: _____
 INDEX NO. **D-35381**

DESIGN GROUP
 ENGINEER: RIAZ CHAUDHARY, PE
 DESIGNED BY: HERNAN IGNACIO
 DRAWN BY: HERNAN IGNACIO
 CHECKED BY: CHARLES C. FEIST, PE
 APPROVED BY: RIAZ CHAUDHARY, PE

DEPARTMENT OF PUBLIC WORKS

CITY OF LOS ANGELES

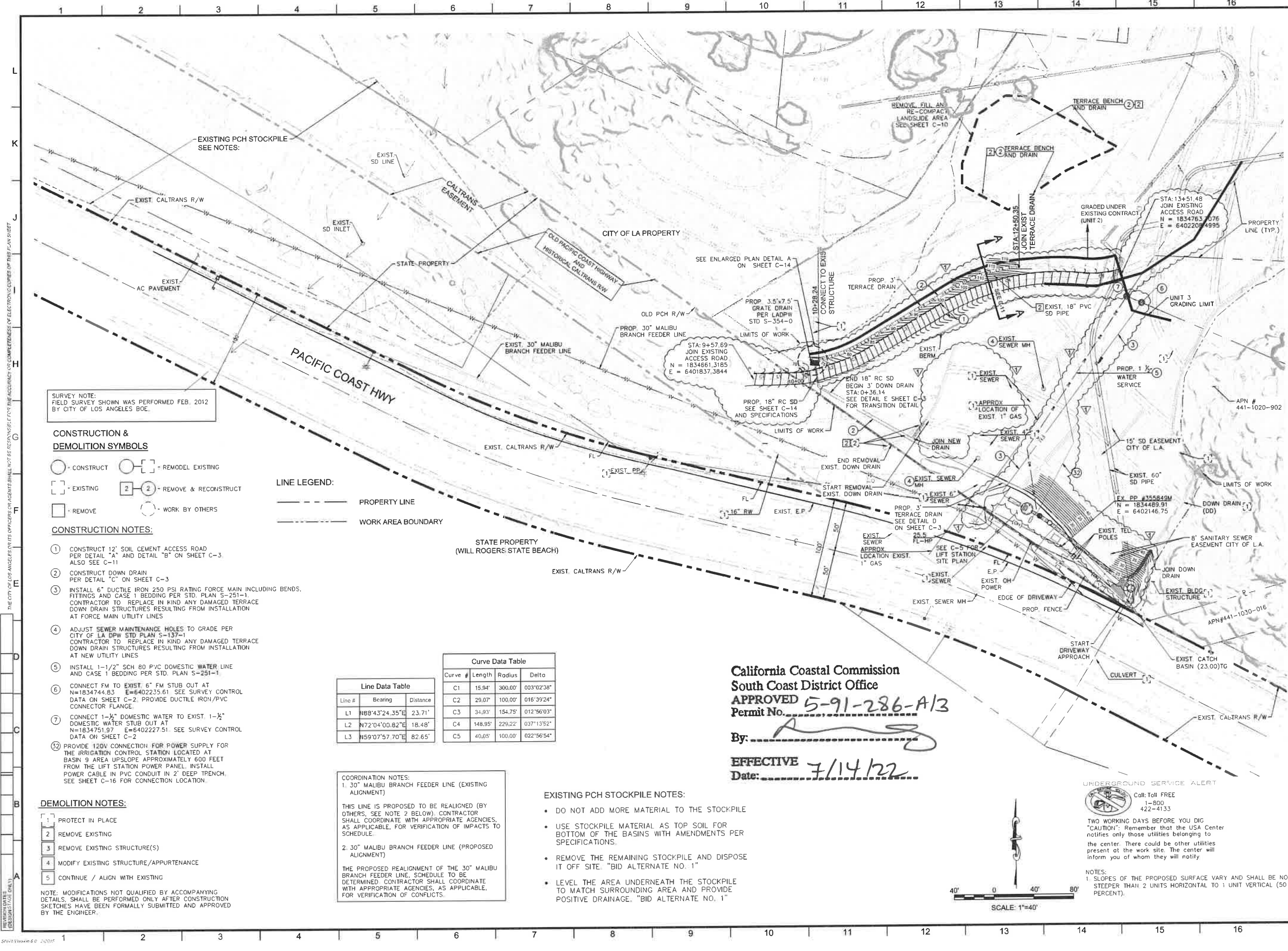
VERTICAL CONTROL - SEE PLAN SHEETS FOR CONTROL LINE REFERENCE
 HORIZONTAL CONTROL - SEE PLAN SHEETS FOR CONTROL LINE REFERENCE
 SHEET TITLE: _____
 PROJECT: POTRERO CANYON PARK
 UNIT 3 GRADING
 ADDRESS: 15101, 15125 AND 15145 PACIFIC COAST HIGHWAY
 PACIFIC PALISADES, CA, 90272

DRAWING NO. **E1908635**

C-3

SHEET 8 OF 95 SHEETS

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)



SURVEY NOTE:
FIELD SURVEY SHOWN WAS PERFORMED FEB. 2012
BY CITY OF LOS ANGELES BOE.

CONSTRUCTION & DEMOLITION SYMBOLS

- - CONSTRUCT
- [] - REMODEL EXISTING
- [] - EXISTING
- [2] [2] - REMOVE & RECONSTRUCT
- - REMOVE
- - WORK BY OTHERS

- LINE LEGEND:**
- — — — — PROPERTY LINE
 - - - - - WORK AREA BOUNDARY

CONSTRUCTION NOTES:

1. CONSTRUCT 12' SOIL CEMENT ACCESS ROAD PER DETAIL "A" AND DETAIL "B" ON SHEET C-3. ALSO SEE C-11
2. CONSTRUCT DOWN DRAIN PER DETAIL "C" ON SHEET C-3
3. INSTALL 6" DUCTILE IRON 250 PSI RATING FORCE MAIN INCLUDING BENDS, FITTINGS AND CASE 1 BEDDING PER STD. PLAN S-251-1. CONTRACTOR TO REPLACE IN KIND ANY DAMAGED TERRACE DOWN DRAIN STRUCTURES RESULTING FROM INSTALLATION AT FORCE MAIN UTILITY LINES
4. ADJUST SEWER MAINTENANCE HOLES TO GRADE PER CITY OF LA DPW STD PLAN S-137-1. CONTRACTOR TO REPLACE IN KIND ANY DAMAGED TERRACE DOWN DRAIN STRUCTURES RESULTING FROM INSTALLATION AT NEW UTILITY LINES
5. INSTALL 1-1/2" SCH 80 PVC DOMESTIC WATER LINE AND CASE 1 BEDDING PER STD. PLAN S-251-1
6. CONNECT FM TO EXIST. 6" FM STUB OUT AT N=1834744.83 E=6402235.61 SEE SURVEY CONTROL DATA ON SHEET C-2. PROVIDE DUCTILE IRON/PVC CONNECTOR FLANGE.
7. CONNECT 1-1/2" DOMESTIC WATER TO EXIST. 1-1/2" DOMESTIC WATER STUB OUT AT N=1834751.97 E=6402227.51. SEE SURVEY CONTROL DATA ON SHEET C-2
8. PROVIDE 120V CONNECTION FOR POWER SUPPLY FOR THE IRRIGATION CONTROL STATION LOCATED AT BASIN 9 AREA UPSLOPE APPROXIMATELY 600 FEET FROM THE LIFT STATION POWER PANEL. INSTALL POWER CABLE IN PVC CONDUIT IN 2' DEEP TRENCH. SEE SHEET C-16 FOR CONNECTION LOCATION.

Line Data Table

Line #	Bearing	Distance
L1	N88°43'24.35"E	23.71'
L2	N72°04'00.82"E	18.48'
L3	N59°07'57.70"E	82.65'

Curve Data Table

Curve #	Length	Radius	Delta
C1	15.94'	300.00'	003°02'38"
C2	29.07'	100.00'	016°39'24"
C3	34.93'	154.75'	012°56'03"
C4	148.95'	229.22'	037°13'52"
C5	40.05'	100.00'	022°56'54"

COORDINATION NOTES:

1. 30" MALIBU BRANCH FEEDER LINE (EXISTING ALIGNMENT)
2. 30" MALIBU BRANCH FEEDER LINE (PROPOSED ALIGNMENT)

THIS LINE IS PROPOSED TO BE REALIGNED (BY OTHERS, SEE NOTE 2 BELOW). CONTRACTOR SHALL COORDINATE WITH APPROPRIATE AGENCIES, AS APPLICABLE, FOR VERIFICATION OF IMPACTS TO SCHEDULE.

THE PROPOSED REALIGNMENT OF THE 30" MALIBU BRANCH FEEDER LINE, SCHEDULE TO BE DETERMINED. CONTRACTOR SHALL COORDINATE WITH APPROPRIATE AGENCIES, AS APPLICABLE, FOR VERIFICATION OF CONFLICTS.

EXISTING PCH STOCKPILE NOTES:

- DO NOT ADD MORE MATERIAL TO THE STOCKPILE
- USE STOCKPILE MATERIAL AS TOP SOIL FOR BOTTOM OF THE BASINS WITH AMENDMENTS PER SPECIFICATIONS.
- REMOVE THE REMAINING STOCKPILE AND DISPOSE IT OFF SITE. "BID ALTERNATE NO. 1"
- LEVEL THE AREA UNDERNEATH THE STOCKPILE TO MATCH SURROUNDING AREA AND PROVIDE POSITIVE DRAINAGE. "BID ALTERNATE NO. 1"

California Coastal Commission
South Coast District Office
APPROVED 5-91-286-A13
Permit No. _____

By: _____
EFFECTIVE 7/14/22
Date: _____

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1-800-422-4133

TWO WORKING DAYS BEFORE YOU DIG "CAUTION". Remember that the USA Center notifies only those utilities belonging to the center. There could be other utilities present at the work site. The center will inform you of whom they will notify.

NOTES:
1. SLOPES OF THE PROPOSED SURFACE VARY AND SHALL BE NO STEEPER THAN 2 UNITS HORIZONTAL TO 1 UNIT VERTICAL (50 PERCENT).



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ENGINEERING
CITY OF LOS ANGELES

DATE BY: 1/18/22 TCF
REVISIONS: RFI #032
SERIAL NO. B - PERMITS
INDEX NO.

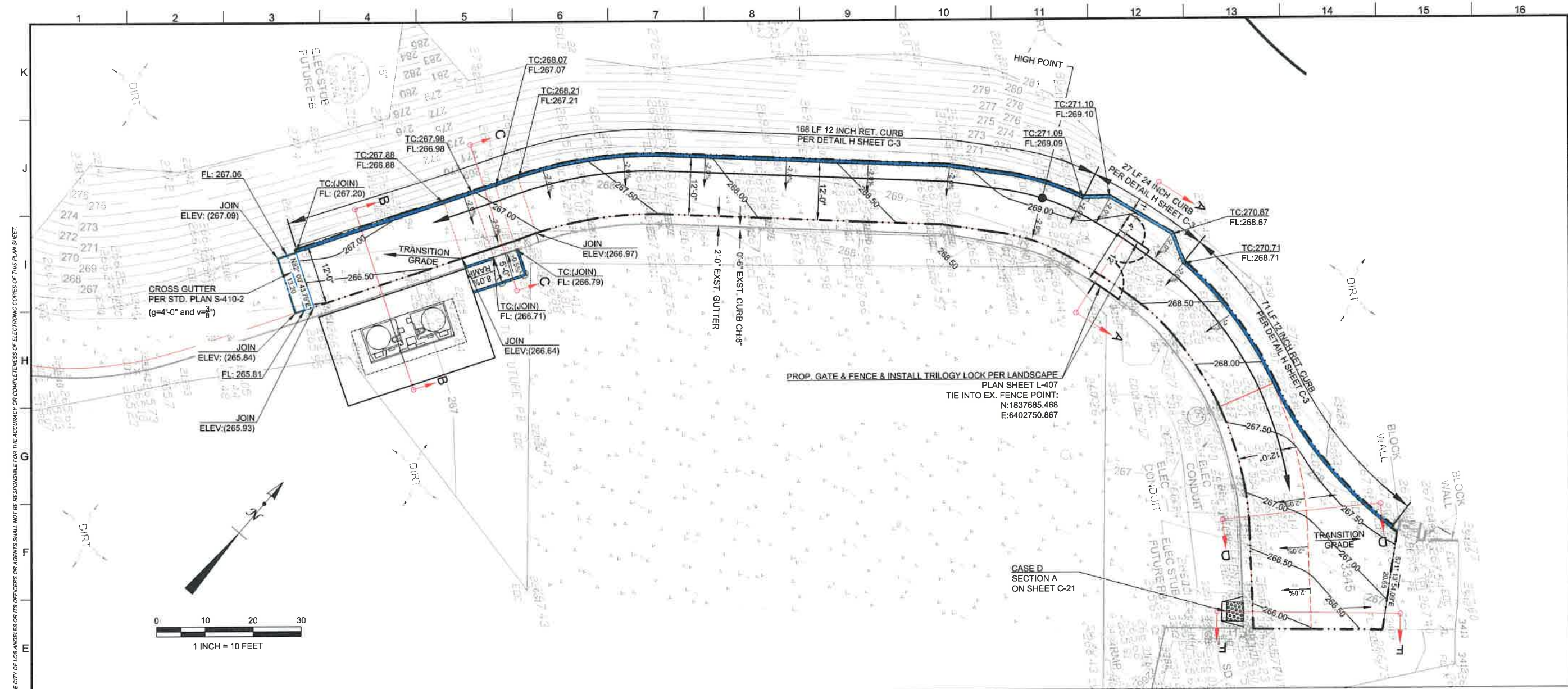


DESIGN GROUP: RIAZ CHAUDHARY, PE
DESIGNED BY: HERNAN IGNACIO
DRAWN BY: HERNAN IGNACIO
CHECKED BY: CHARLES C. FEIST, PE
APPROVED BY: RIAZ CHAUDHARY, PE

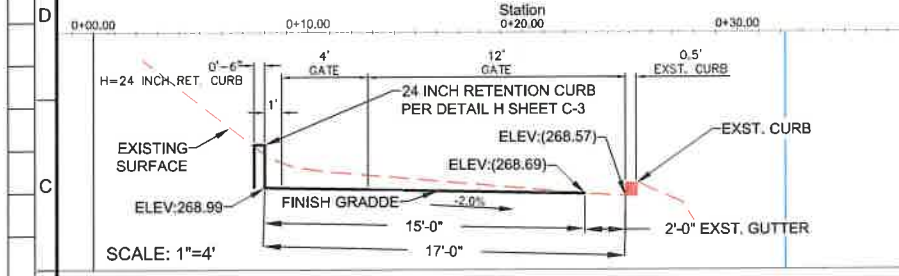
VERTICAL CONTROL: SEE PLAN SHEETS FOR CONTROL LINE REFERENCE
HORIZONTAL CONTROL: SEE PLAN SHEETS FOR CONTROL LINE REFERENCE
SHEET TITLE: GRADING AND DRAINAGE PLAN
PROJECT: POTRERO CANYON PARK UNIT 3 GRADING
ADDRESS: 15101, 15125 AND 15145 PACIFIC COAST HIGHWAY PACIFIC PALISADES, CA 90272

DRAWING NO. E1908635

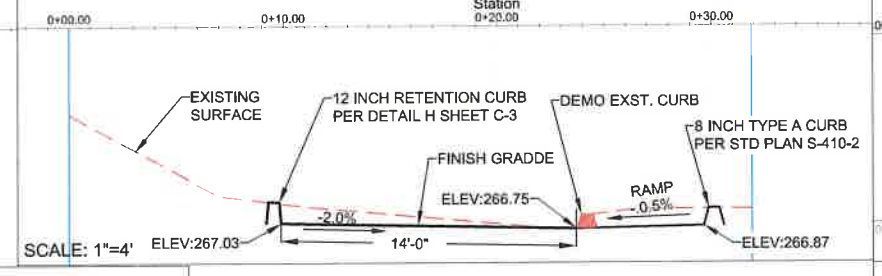
C-4
SHEET 9 OF 95 SHEETS



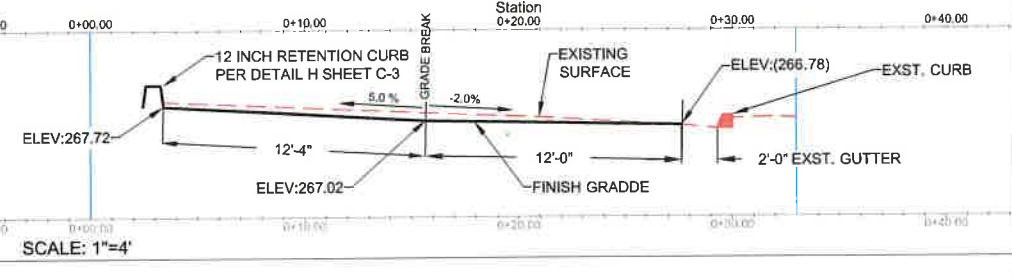
SECTION A-A



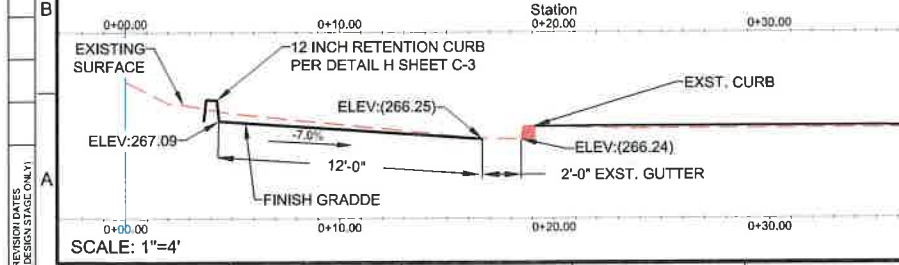
SECTION C-C



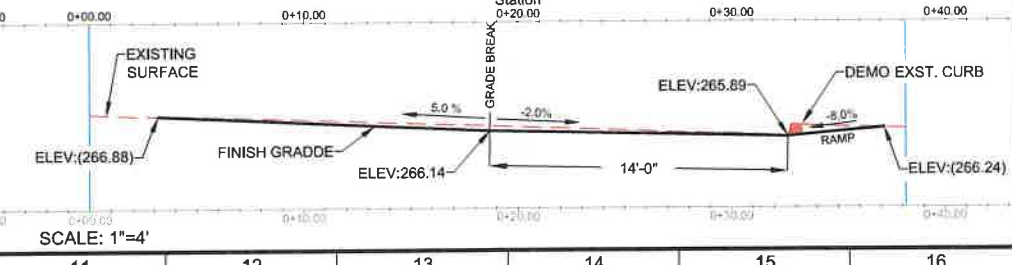
SECTION D-D



SECTION B-B



SECTION F-F



California Coastal Commission
 South Coast District Office
 APPROVED
 Permit No. **5-91-286-A13**
 By: *[Signature]*
 EFFECTIVE **7/14/22**
 Date: *[Signature]*



REVISION CONTROL:	DATE:	BY:
SHEET TITLE: DRIVEWAY / WALKWAY REDESIGN PLAN CLARIFICATION		
PROJECT: POTRERO CANYON PARK UNIT 3 GRADING		
ADDRESS: 15101, 15125, 15145 PACIFIC COAST HIGHWAY		
ADDRESS: PACIFIC PALISADES, CA, 90272		

DEPARTMENT OF PUBLIC WORKS	DATE:	BY:
PLAN CLARIFICATION #16		
CIP NO.		
INDEX NO.		

CITY ENGINEER	GARY LEE MOORE, P.E., ENV SP
DESIGNER	KRISTEN LY, P.E.
DATE	1/10/22
DESIGNED BY	RENE RAMIREZ
DRAWN BY	KRISTEN LY, P.E.
CHECKED BY	PATRICIA SCHMIDT, P.E., G.E.
APPROVED BY	

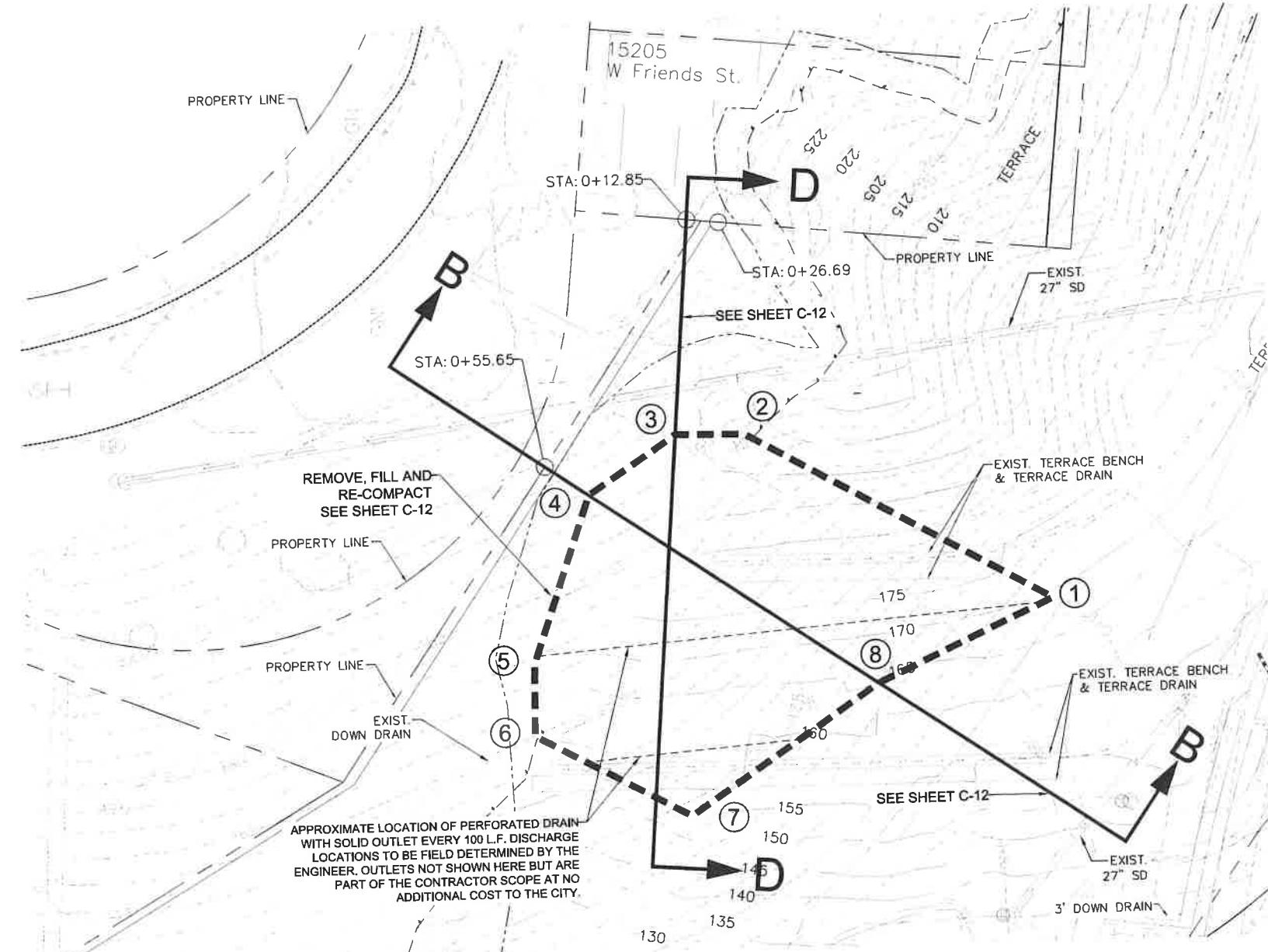
WORK ORDER NO. E1908635
 SHEET NAME: C-8R
 SHEET 13A OF SHEETS

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)

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L
K
J
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A



APPROXIMATE LOCATION OF PERFORATED DRAIN WITH SOLID OUTLET EVERY 100 L.F. DISCHARGE LOCATIONS TO BE FIELD DETERMINED BY THE ENGINEER. OUTLETS NOT SHOWN HERE BUT ARE PART OF THE CONTRACTOR SCOPE AT NO ADDITIONAL COST TO THE CITY.

California Coastal Commission
 South Coast District Office
 APPROVED *[Signature]*
 Permit No. 5-91-286-A13
 By: *[Signature]*
 EFFECTIVE 7/14/22
 Date: _____

NOTES:

- CONTRACTOR SHALL MAKE SITE VISIT PRIOR TO SUBMITTING THEIR BID TO INVESTIGATE SITE CONDITIONS. EXISTING STRUCTURE IN THE AREA AND THE CHALLENGES INVOLVED IN THE CONSTRUCTION LOGISTICS AND STAGING OF THE WORK.
- CONTRACTOR SHALL UTILIZE ALL EXCAVATED MATERIAL FOR FILL TO BE PLACED IN LAYERS TO 90% MINIMUM RELATIVE COMPACTION.
- CONTRACTOR SHALL DISPOSE OF ANY EXCESS MATERIAL OFF THE PROJECT AREA AT NO ADDITIONAL COST TO THE CITY.
- ANY TEMPORARY WORK REQUIRED TO STAGE AND PERFORM THE WORK AND RESTORING WORK AREA TO PRE-CONSTRUCTION CONDITION MUST BE INCLUDED IN THE CONTRACTOR'S BID PRICE.
- CONTRACTOR SHALL SUBMIT PLANS FOR ANY AND ALL TEMPORARY WORK FOR THE ENGINEER'S APPROVAL PRIOR TO CONSTRUCTING SUCH TEMPORARY WORKS.

GEOTECHNICAL REPORTS

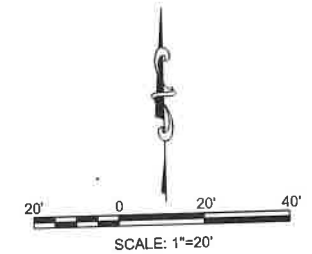
- THE GEOTECHNICAL REPORTS AND RELATED LABS REVIEW/APPROVAL LETTERS ON DRAWINGS G-3, G-4 AND G-5 INCORPORATE WORK REQUIREMENTS IN ADDITION TO WHAT IS PRESENTED ON THESE PLANS AND SPECIFICATIONS. ALL SUCH REQUIREMENTS ARE PART OF THE CONTRACTOR SCOPE OF WORK.
- CONTRACTOR MUST INCORPORATE ALL REQUIREMENTS OF THE GEOTECHNICAL REPORTS AND LABS LETTERS IN THEIR BID PRICE. NO ADDITIONAL COST WILL BE ALLOWED BASED ON ANY ALLEGED INCONSISTENT AND/OR ADDITIONAL REQUIREMENTS BASED ON DATA/INFORMATION IN THESE DOCUMENTS.

ALL EXISTING STRUCTURE REMOVED, DAMAGED AND/OR IMPACTED BY THE CONTRACTOR'S OPERATION MUST BE RESTORED TO PRE-CONSTRUCTION CONDITIONS AT NO ADDITIONAL COST TO THE CITY.

TABLE OF COORDINATES

POINT #	NORTHING	EASTING
1	1834892.53	6402205.41
2	1834944.46	6402113.66
3	1834944.86	6402092.78
4	1834927.30	6402066.28
5	1834876.70	6402048.78
6	1834855.04	6402048.58
7	1834829.73	6402095.13
8	1834868.17	6402152.49

UNDERGROUND SERVICE ALERT
 Call: Toll FREE
 1-800-427-4133
 TWO WORKING DAYS BEFORE YOU DIG "CAUTION". Remember that the USA Center notifies only those utilities belonging to the center. There could be other utilities present at the work site. The center will inform you of whom they will notify.



BUREAU OF ENGINEERING

DATE BY: _____
 REVISIONS: _____
 WORK ACCEPTED: _____
 B - PERMITS

INDEX NO. **D-35381**

CITY OF LOS ANGELES
 DEPARTMENT OF PUBLIC WORKS

DESIGN GROUP: _____
 ENGINEER: **RIAZ CHAUDHARY, PE**
 DESIGNED BY: **HERNAN IGNACIO**
 DRAWN BY: **HERNAN IGNACIO**
 CHECKED BY: **CHARLES C. FEIST, PE**
 APPROVED BY: **RIAZ CHAUDHARY, PE**

VERTICAL CONTROL: _____
 HORIZONTAL CONTROL: _____
 SHEET TITLE: **LANDSLIDE AREA**
 PROJECT: **POTRERO CANYON PARK UNIT 3 GRADING**
 ADDRESS: **15101, 15125 AND 15145 PACIFIC COAST HIGHWAY PACIFIC PALISADES, CA. 90272**

DRAWING NO. **E1908635**

C-10
 SHEET 15 OF 95 SHEETS



EXISTING ACCESS ROAD

SPECIAL NOTES:

1. REGRADE EXISTING 22 FOOT WIDE CONSTRUCTION ROAD APPROXIMATELY FROM STA:10+00 TO STA:12+50 AND REDUCE THE ROAD WIDTH TO 12 FEET TO PROVIDE SPACE ON THE NORTH SIDE TO REPAIR THE DAMAGED EXISTING SLOPE TOE STARTING APPROXIMATELY AT STA:12+50 SOUTHWESTERLY DOWNWARD FOR ABOUT 150 FEET. SEE SKETCH HEREIN.
2. TO REPAIR THE DAMAGED SLOPE TOE, THE CONTRACTOR IS TO STRIP EXISTING SLOPE (UPSLOPE OF THE DAMAGED TOE AREA) OF VEGETATION 3' WIDE AND 3' DEEP AND PLACE CLEAN FILL TO 90% COMPACTION AND CONTINUE 2:1 SLOPE DOWNWARD TO EDGE OF THE MODIFIED ROAD.
3. TERRACE DRAIN IS APPROXIMATELY 10' FROM EDGE OF THE ROAD. FIELD ADJUSTMENT MAY BE MADE TO ADOPT TO THE FIELD CONDITION.



BAR SCREEN

NOTE:

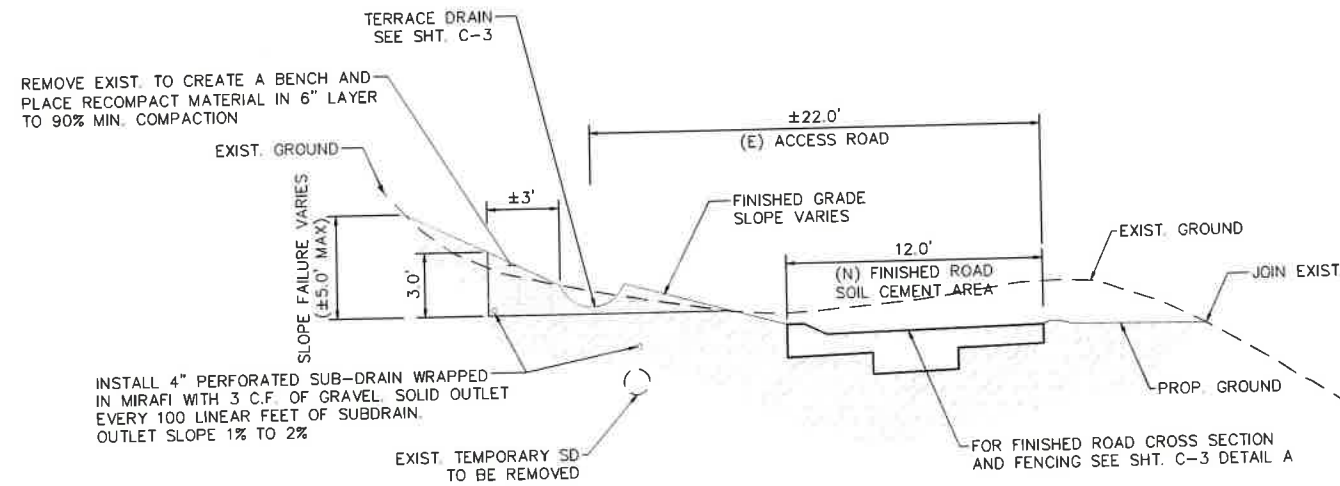
CLOSE GAP BETWEEN SCREEN AND CONCRETE.
SEE DETAIL 1 ON SHEET C-12
10 LOCATIONS

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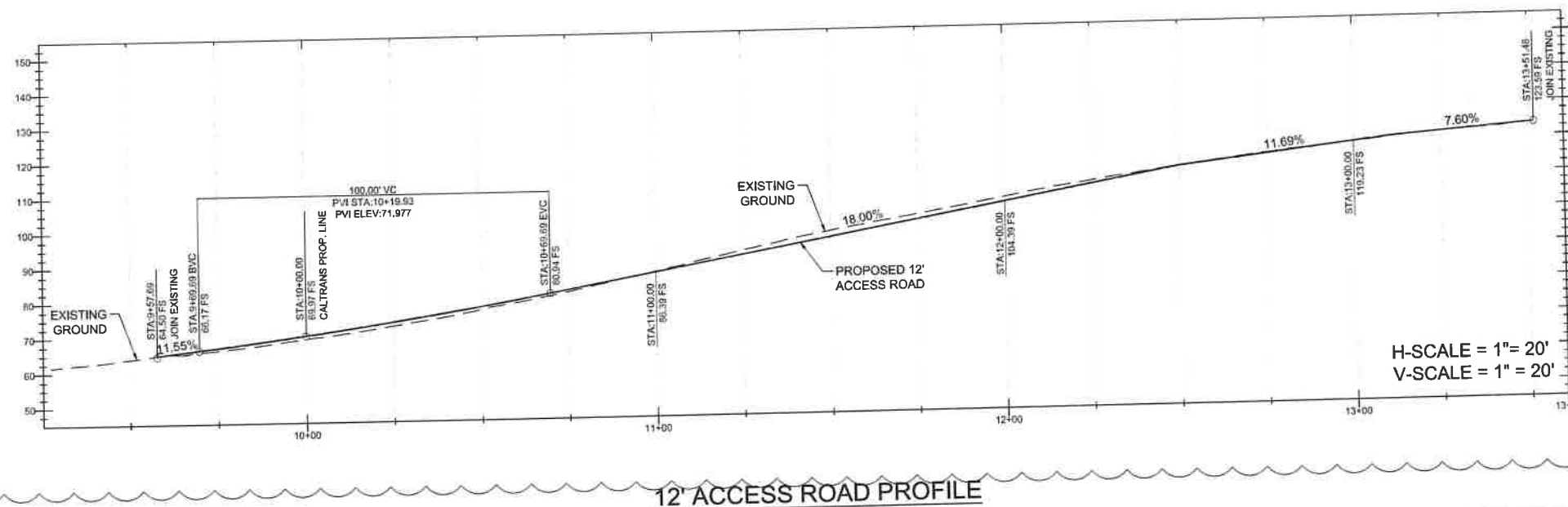
By: [Signature]

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Date: 7/14/22

RFI 061 12' ACCESS ROAD GRADE



SECTION A-A
(SEE SHEET C-4 FOR PLAN)



12' ACCESS ROAD PROFILE

BUREAU OF ENGINEERING

CITY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS

DATE BY:	
REVISIONS:	RFI #032
WORK ACCEPTED:	
INDEX NO.:	

ENGINEER: RIAZ CHAUDHARY, PE
DESIGNED BY: HERNAN IGNACIO
DRAWN BY: HERNAN IGNACIO
CHECKED BY: CHARLES C. FEIST, PE
APPROVED BY: RIAZ CHAUDHARY, PE

SHEET TITLE: SLOPE REPAIR AREA
PROJECT: POTRERO CANYON PARK UNIT 3 GRADING
ADDRESS: 15101, 15125 AND 15145 PACIFIC COAST HIGHWAY PACIFIC, PALISADES, CA. 90272

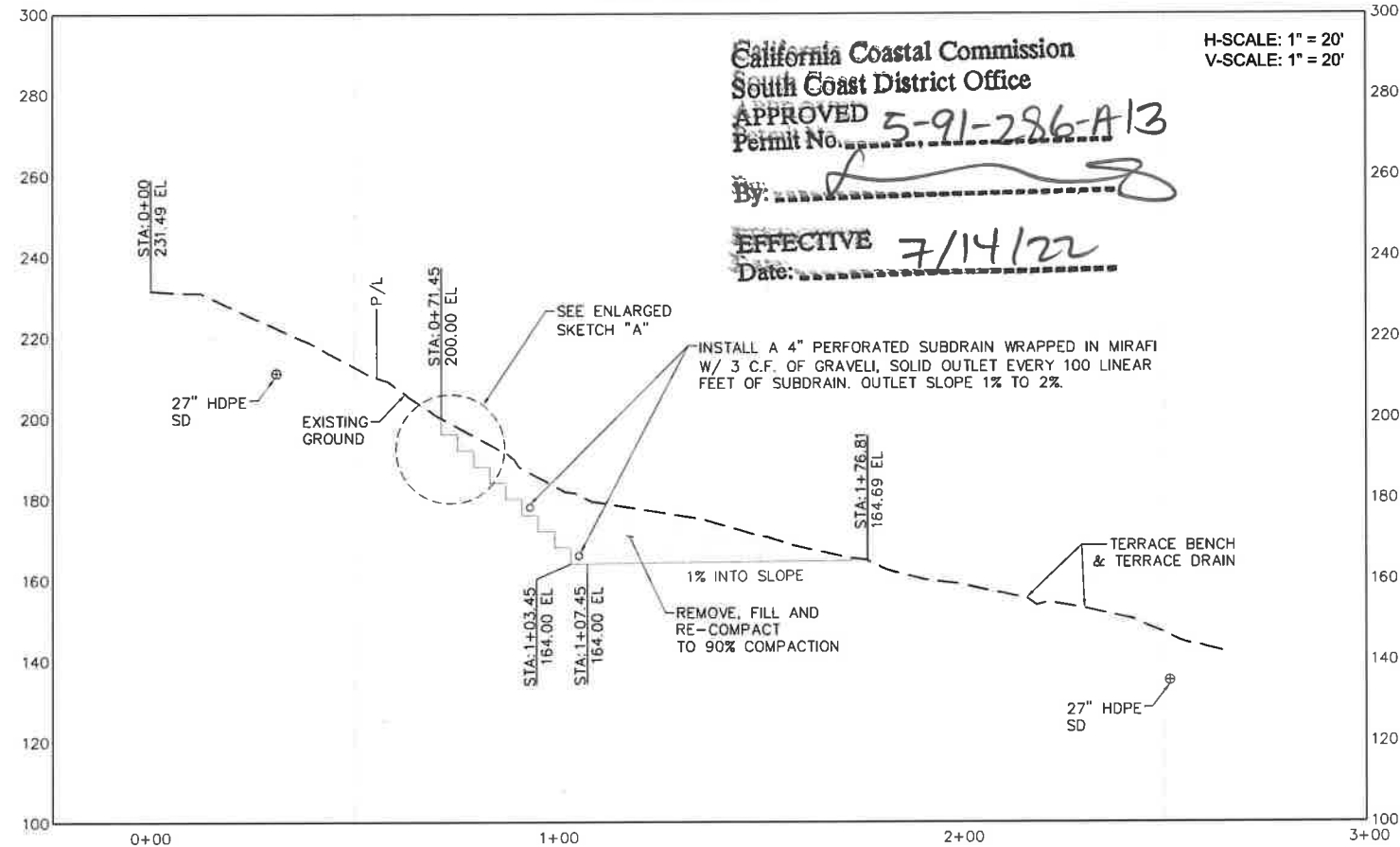
DRAWING NO. E1908635

C-11

SHEET 18 OF 95 SHEETS

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

SECTION B-B

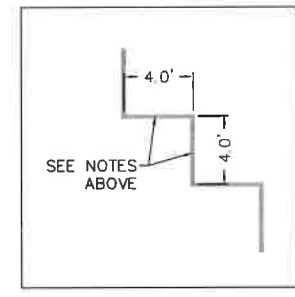


California Coastal Commission
 South Coast District Office
 APPROVED
 Permit No. 5-91-286-A13
 By: *[Signature]*
 EFFECTIVE 7/14/22
 Date: 7/14/22

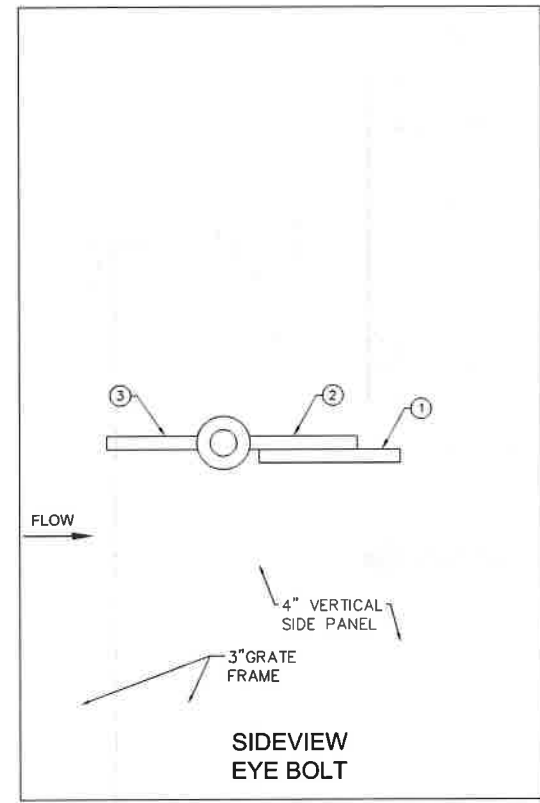
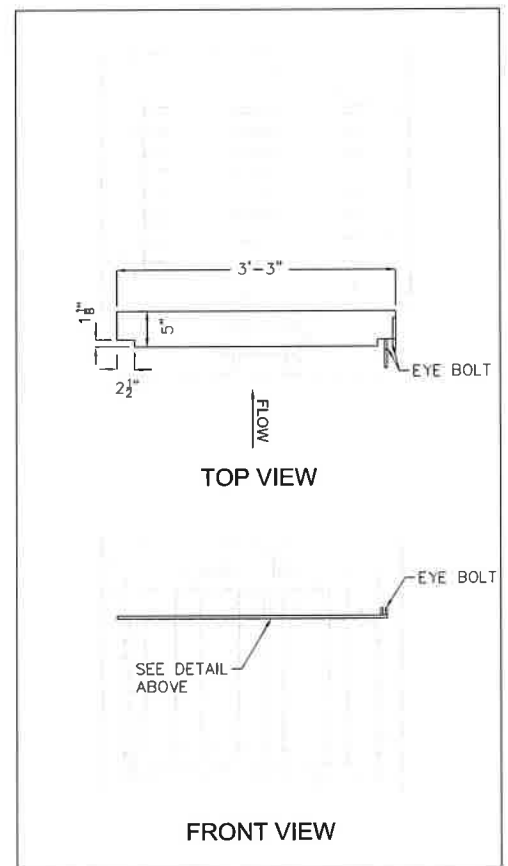
H-SCALE: 1" = 20'
 V-SCALE: 1" = 20'

NOTES:

- CONTRACTOR SHALL SUBMIT AN EXCAVATION WORK PLAN, AND HEALTH AND SAFETY PLAN PRIOR TO STARTING EXCAVATION FOR REVIEW AND APPROVAL OF THE CITY.
- ALL EXCAVATION SHALL BE PERFORMED IN THE PRESENCE OF GEOTECHNICAL ENGINEER. GEOTECHNICAL ENGINEER MAY FIELD ADJUST EXCAVATION BENCHES AS DESCRIBED BELOW:
 - VERTICAL PORTION OF THE BENCHES ARE TO BE 2 FEET HIGH MINIMUM AND 5 FEET HIGH MAXIMUM BASED ON FIELD CONDITIONS AS DETERMINED BY THE GEOTECHNICAL ENGINEER.
 - HORIZONTAL PORTION OF THE BENCHES MAY BE REDUCED TO 2 FEET MINIMUM BY THE GEOTECHNICAL ENGINEER BASED ON FIELD CONDITIONS.
 - CONTRACTOR MUST ACCOUNT FOR THESE VARIATION IN THE BID PRICE AND THERE SHALL NOT BE ADDITIONAL COST RELATED TO THESE VARIATIONS IN THE EXCAVATION BENCHES.

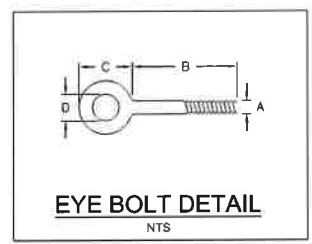


SKETCH "A"



NOTES:

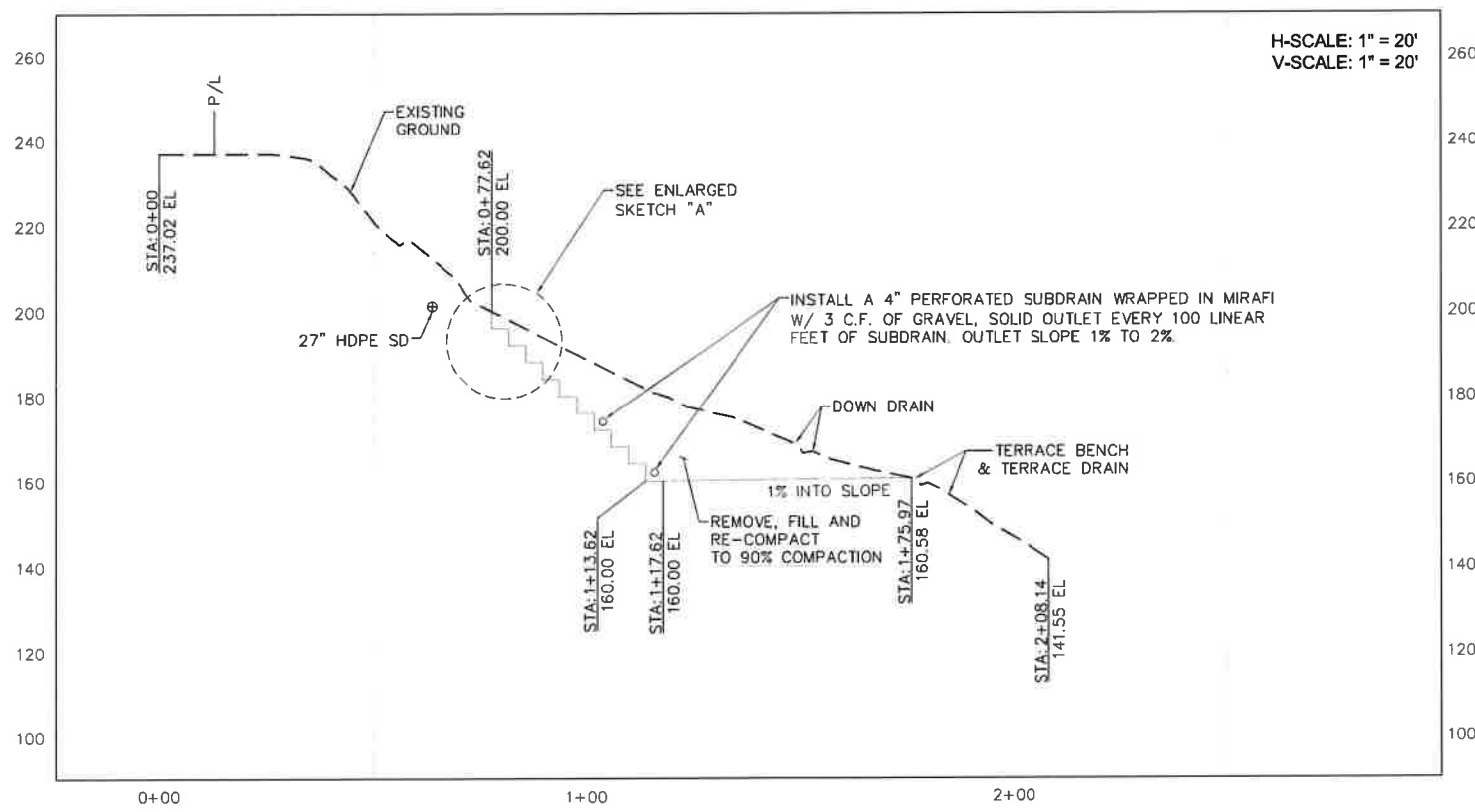
- 5" x 3/8" STEEL BAR WITH CUTOUTS TO BE A-36 GALVANIZED. WELD TO TOP OF 4" VERTICAL SIDE CHANNELS.
- 3" LONG EYE BOLT GALVANIZED STEEL WELD TO TOP OF 4" SECTION OF 5" STEEL BAR.
- 2 1/2" L EYE BOLT GALVANIZED STEEL WELD TO SIDE OF VERTICAL GRATE FRAME. POSITION TO LINE UP OPPOSING EYES.
- FIELD TOUCH UP WITH ZINC SPRAY AFTER WELDING.
- PROVIDE PADLOCK.



3/8" No. 16 (A)			
#	LENGTH (B)	OUTSIDE EYE DIAMETER (C)	INSIDE EYE DIAMETER (D)
①	3"	1-1/2"	3/4"
②	2-1/2"	1-1/2"	3/4"

BERM RISER TRASH RACK MODIFICATIONS

SECTION D-D



H-SCALE: 1" = 20'
 V-SCALE: 1" = 20'

ENGINEERING
 BUREAU OF ENGINEERING
 DEPARTMENT OF PUBLIC WORKS
 CITY OF LOS ANGELES
 SHEET 17 OF 85 SHEETS

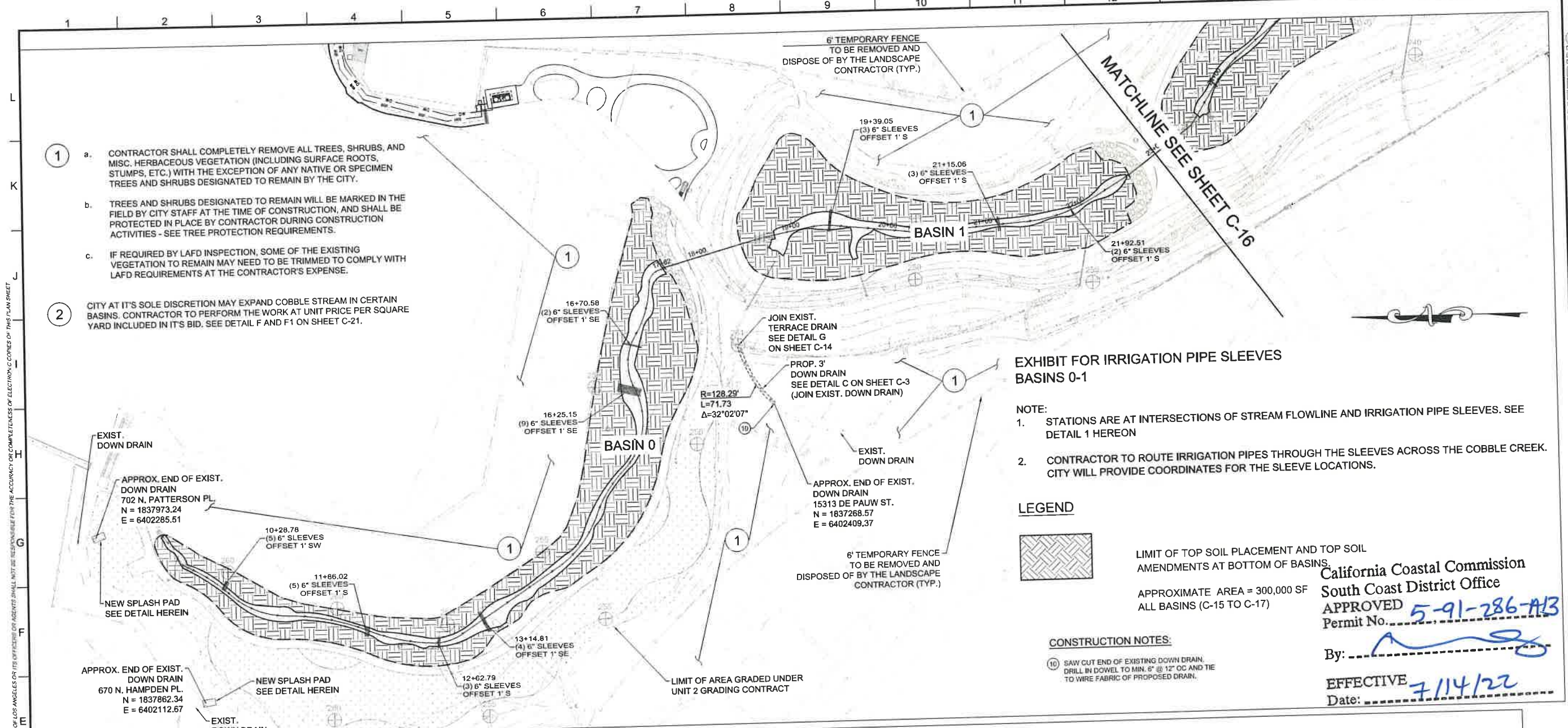
DATE BY:	
REVISION:	
WORK ACCEPTED:	
INDEX NO. D-35381	B - PERMITS

DESIGNER: RIAZ CHAUDHARY, PE
 DESIGNED BY: HERNAN IGNACIO
 DRAWN BY: HERNAN IGNACIO
 CHECKED BY: CHARLES C. FEIST, PE
 APPROVED BY: RIAZ CHAUDHARY, PE

SHEET TITLE: LANDSLIDE AREA CROSS SECTIONS
 PROJECT: POTRERO CANYON PARK UNIT 3 GRADING
 ADDRESS: 15101, 15125 AND 15145 PACIFIC COAST HIGHWAY PACIFIC PALISADES, CA. 90272

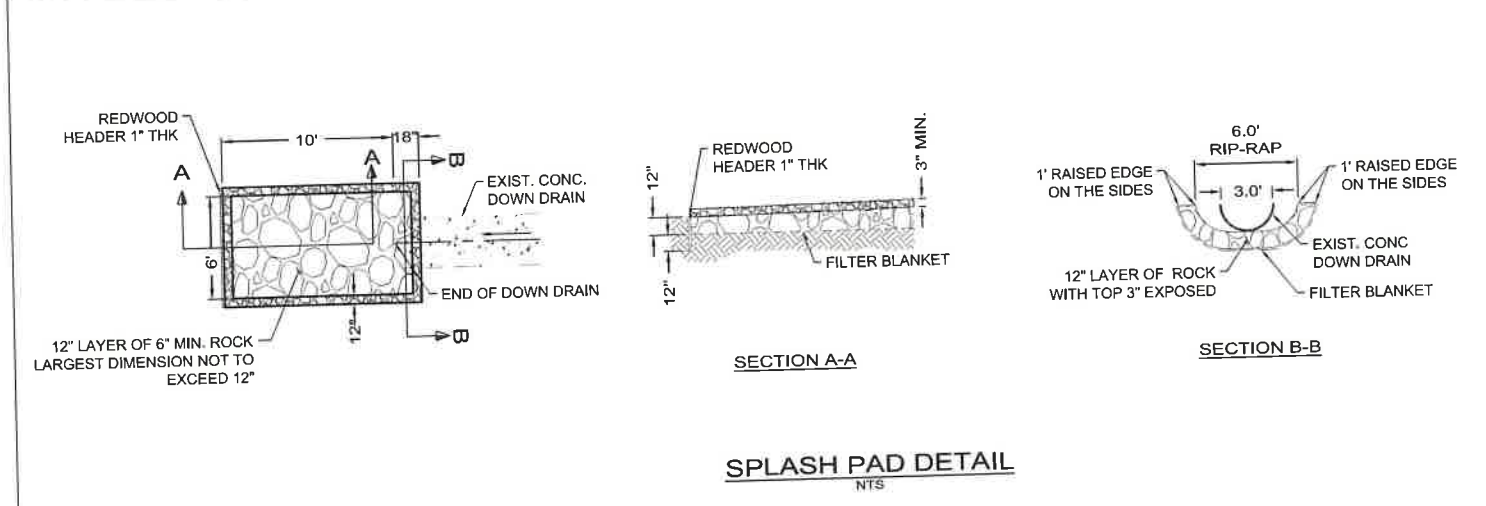
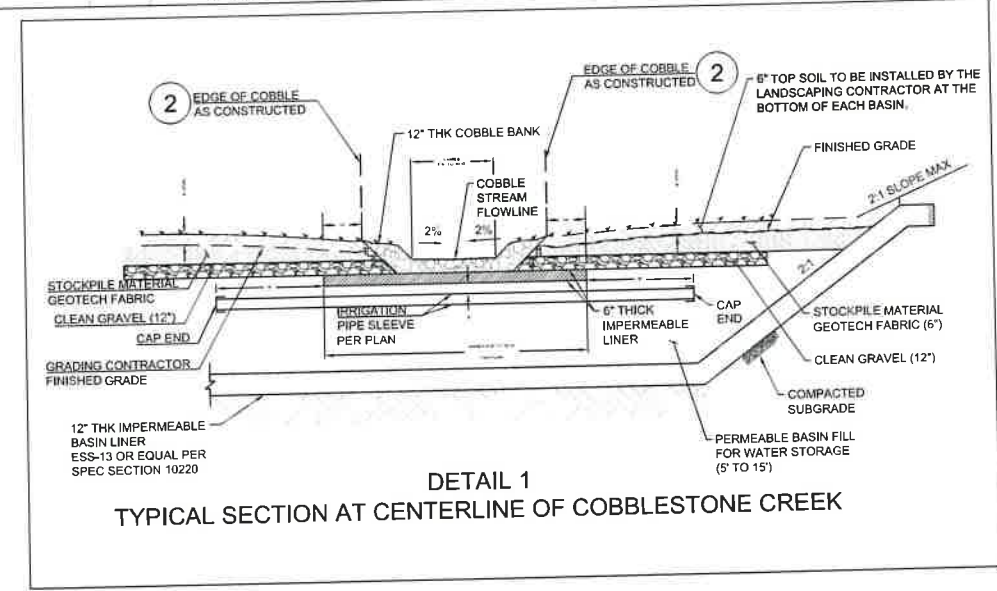
DRAWING NO. E1908635
C-12

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.
 REVISIONS (SEE PLAN SHEET ONLY)



- CONTRACTOR SHALL COMPLETELY REMOVE ALL TREES, SHRUBS, AND MISC. HERBACEOUS VEGETATION (INCLUDING SURFACE ROOTS, STUMPS, ETC.) WITH THE EXCEPTION OF ANY NATIVE OR SPECIMEN TREES AND SHRUBS DESIGNATED TO REMAIN BY THE CITY.
 - TREES AND SHRUBS DESIGNATED TO REMAIN WILL BE MARKED IN THE FIELD BY CITY STAFF AT THE TIME OF CONSTRUCTION, AND SHALL BE PROTECTED IN PLACE BY CONTRACTOR DURING CONSTRUCTION ACTIVITIES - SEE TREE PROTECTION REQUIREMENTS.
 - IF REQUIRED BY LAFD INSPECTION, SOME OF THE EXISTING VEGETATION TO REMAIN MAY NEED TO BE TRIMMED TO COMPLY WITH LAFD REQUIREMENTS AT THE CONTRACTOR'S EXPENSE.
- CITY AT ITS SOLE DISCRETION MAY EXPAND COBBLE STREAM IN CERTAIN BASINS. CONTRACTOR TO PERFORM THE WORK AT UNIT PRICE PER SQUARE YARD INCLUDED IN ITS BID. SEE DETAIL F AND F1 ON SHEET C-21.

California Coastal Commission
 South Coast District Office
 APPROVED **5-91-286-A13**
 Permit No. _____
 By: _____
 EFFECTIVE **7/14/22**
 Date: _____



BUREAU OF ENGINEERING

DATE BY: _____
 REVISIONS: _____
 WORK ACCEPTED: _____
 B - PERMITS

INDEX NO. **D-35381**

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

DESIGN GROUP: _____
 ENGINEER: RIAZ CHAUDHARY, PE
 DESIGNED BY: HERNAN IGNACIO
 DRAWN BY: HERNAN IGNACIO
 CHECKED BY: CHARLES C. FEIST, PE
 APPROVED BY: RIAZ CHAUDHARY, PE

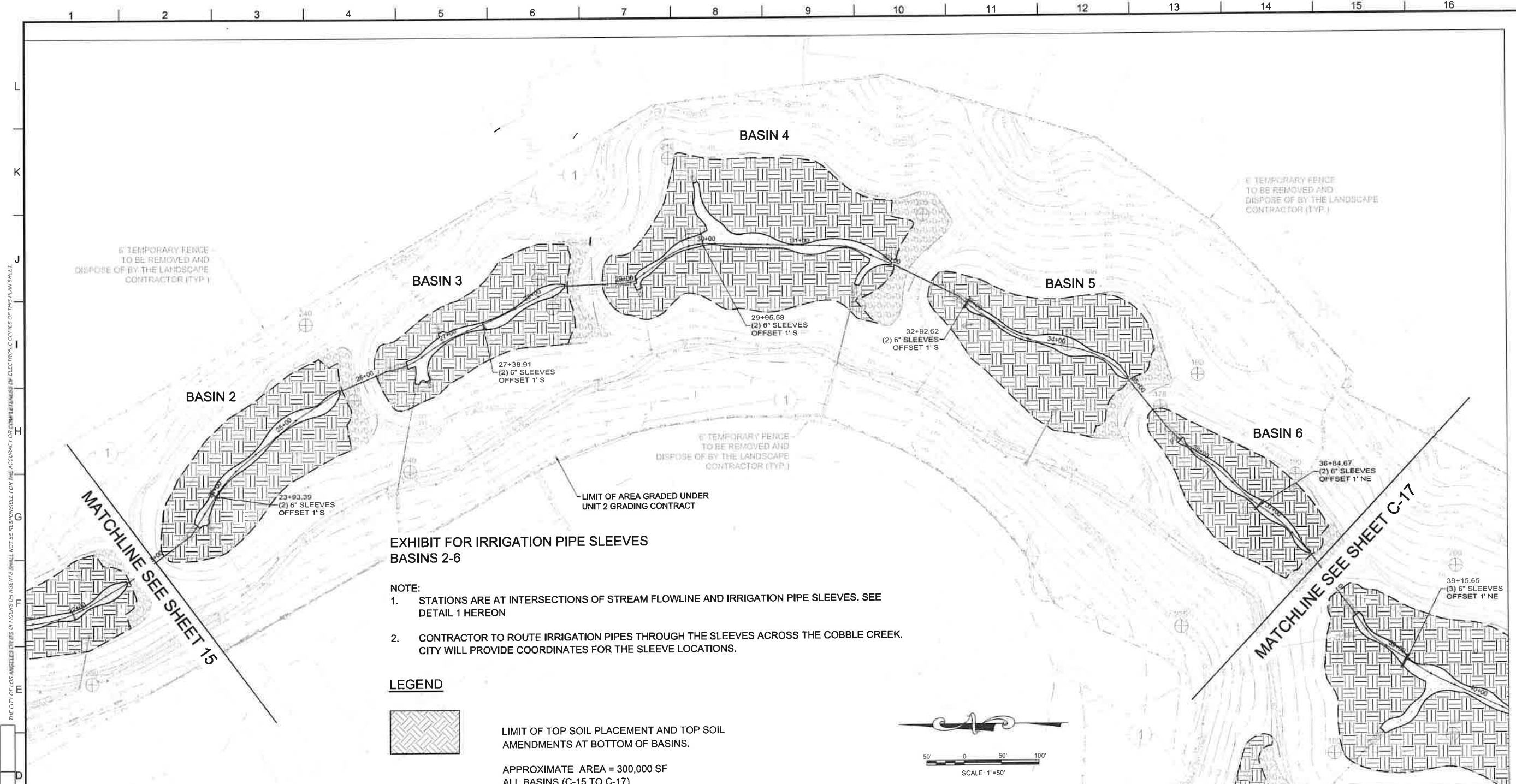
SHEET TITLE: BASINS 0 AND 1 LAYOUT
 PROJECT: POTRERO CANYON PARK UNIT 3 GRADING
 ADDRESS: 15101, 15125 AND 15145 PACIFIC COAST HIGHWAY PACIFIC PALISADES, CA. 90272

DRAWING NO. **E1908635**

C-15

SHEET 20 OF 95 SHEETS

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.

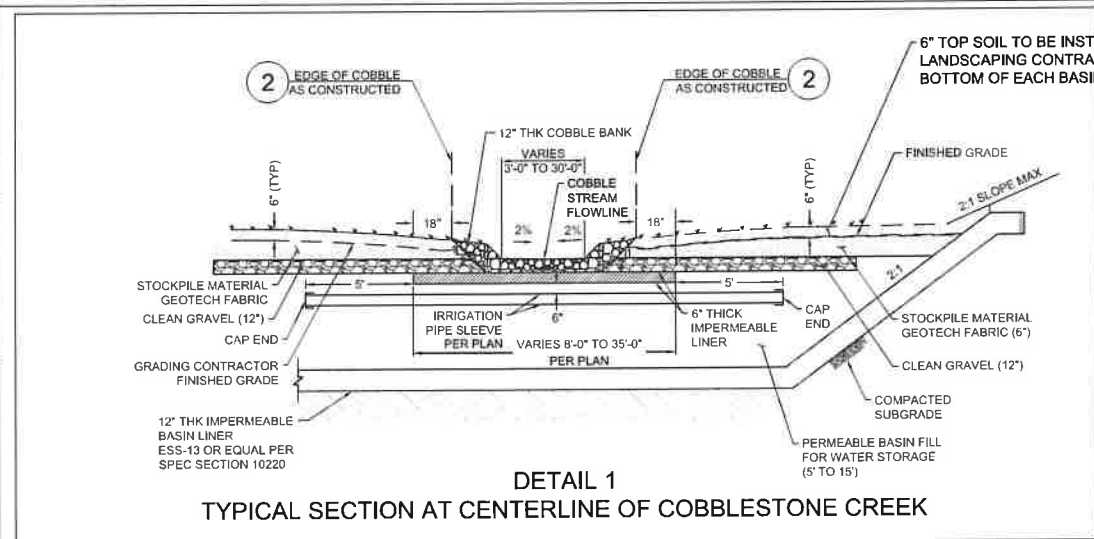
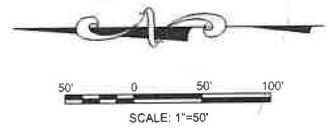


**EXHIBIT FOR IRRIGATION PIPE SLEEVES
BASINS 2-6**

- NOTE:**
- STATIONS ARE AT INTERSECTIONS OF STREAM FLOWLINE AND IRRIGATION PIPE SLEEVES. SEE DETAIL 1 HEREON
 - CONTRACTOR TO ROUTE IRRIGATION PIPES THROUGH THE SLEEVES ACROSS THE COBBLE CREEK. CITY WILL PROVIDE COORDINATES FOR THE SLEEVE LOCATIONS.

LEGEND

- LIMIT OF TOP SOIL PLACEMENT AND TOP SOIL AMENDMENTS AT BOTTOM OF BASINS.
- APPROXIMATE AREA = 300,000 SF ALL BASINS (C-15 TO C-17)



**DETAIL 1
TYPICAL SECTION AT CENTERLINE OF COBBLESTONE CREEK**

California Coastal Commission
South Coast District Office
APPROVED
Permit No. 5-91-226-A13
By:
EFFECTIVE
Date: 7/14/22

- CONTRACTOR SHALL COMPLETELY REMOVE ALL TREES, SHRUBS, AND MISC. HERBACEOUS VEGETATION (INCLUDING SURFACE ROOTS, STUMPS, ETC.) WITH THE EXCEPTION OF ANY NATIVE OR SPECIMEN TREES AND SHRUBS DESIGNATED TO REMAIN BY THE CITY.
 - TREES AND SHRUBS DESIGNATED TO REMAIN WILL BE MARKED IN THE FIELD BY CITY STAFF AT THE TIME OF CONSTRUCTION, AND SHALL BE PROTECTED IN PLACE BY CONTRACTOR DURING CONSTRUCTION ACTIVITIES - SEE TREE PROTECTION REQUIREMENTS.
 - IF REQUIRED BY LAFD INSPECTION, SOME OF THE EXISTING VEGETATION TO REMAIN MAY NEED TO BE TRIMMED TO COMPLY WITH LAFD REQUIREMENTS AT THE CONTRACTOR'S EXPENSE.
- CITY AT ITS SOLE DISCRETION MAY EXPAND COBBLE STREAM IN CERTAIN BASINS. CONTRACTOR TO PERFORM THE WORK AT UNIT PRICE PER SQUARE YARD INCLUDED IN ITS BID. SEE DETAIL F AND DETAIL F1 ON SHEET C-21.

CITY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

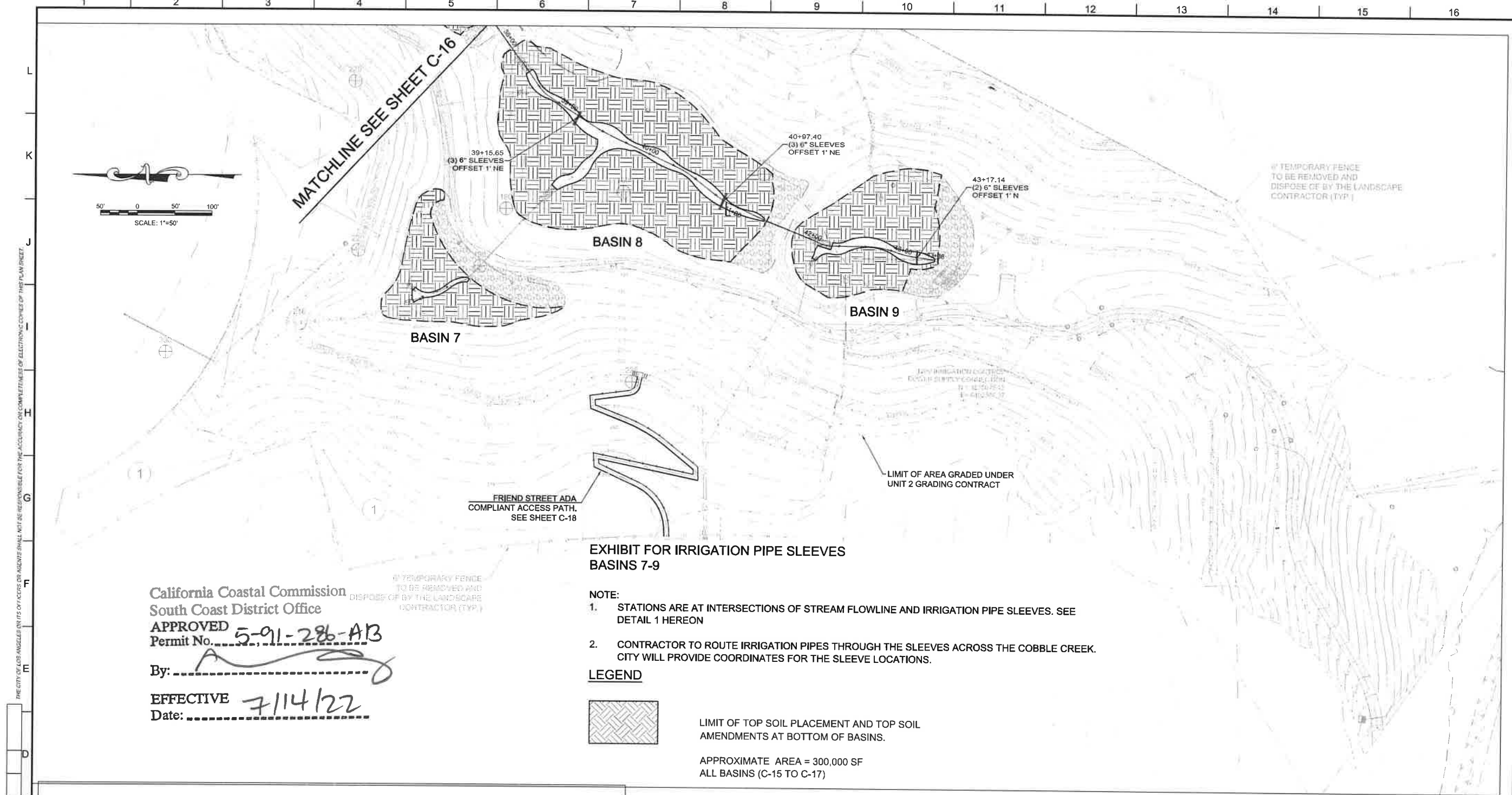
DATE BY: _____
SERIAL NO. _____
WORK ACCEPTED _____
B - PERMITS
INDEX NO. **D-35381**

DESIGN GROUP: _____
ENGINEER: **RIAZ CHAUDHARY, PE**
DESIGNED BY: **HERNAN IGNACIO**
DRAWN BY: **HERNAN IGNACIO**
CHECKED BY: **CHARLES C. FEIST, PE**
APPROVED BY: **RIAZ CHAUDHARY, PE**

VERTICAL CONTROL: _____
HORIZONTAL CONTROL: SEE PLAN SHEETS FOR CONTROL LINE REFERENCE
SHEET TITLE: **BASINS 2 TO 6 LAYOUT**
PROJECT: **POTRERO CANYON PARK UNIT 3 GRADING**
ADDRESS: **15101, 15125 AND 15145 PACIFIC COAST HIGHWAY PACIFIC PALISADES, CA 90272**

DRAWING NO. **E1908635**

C-16
SHEET 21 OF 95 SHEETS



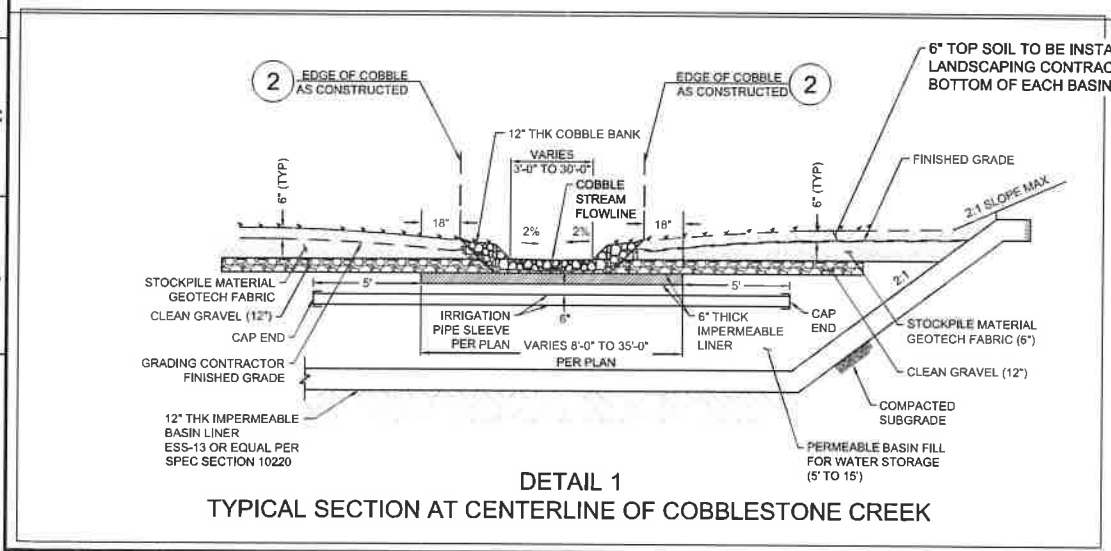
California Coastal Commission
 South Coast District Office
 APPROVED
 Permit No. 5-91-286-AB
 By: _____
 EFFECTIVE 7/14/22
 Date: _____

**EXHIBIT FOR IRRIGATION PIPE SLEEVES
 BASINS 7-9**

- NOTE:**
- STATIONS ARE AT INTERSECTIONS OF STREAM FLOWLINE AND IRRIGATION PIPE SLEEVES. SEE DETAIL 1 HEREON
 - CONTRACTOR TO ROUTE IRRIGATION PIPES THROUGH THE SLEEVES ACROSS THE COBBLE CREEK. CITY WILL PROVIDE COORDINATES FOR THE SLEEVE LOCATIONS.

LEGEND

- LIMIT OF TOP SOIL PLACEMENT AND TOP SOIL AMENDMENTS AT BOTTOM OF BASINS.
- APPROXIMATE AREA = 300,000 SF
ALL BASINS (C-15 TO C-17)



- CONTRACTOR SHALL COMPLETELY REMOVE ALL TREES, SHRUBS, AND MISC. HERBACEOUS VEGETATION (INCLUDING SURFACE ROOTS, STUMPS, ETC.) WITH THE EXCEPTION OF ANY NATIVE OR SPECIMEN TREES AND SHRUBS DESIGNATED TO REMAIN BY THE CITY.
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 - IF REQUIRED BY LAFD INSPECTION, SOME OF THE EXISTING VEGETATION TO REMAIN MAY NEED TO BE TRIMMED TO COMPLY WITH LAFD REQUIREMENTS AT THE CONTRACTOR'S EXPENSE.
- CITY AT ITS SOLE DISCRETION MAY EXPAND COBBLE STREAM IN CERTAIN BASINS. CONTRACTOR TO PERFORM THE WORK AT UNIT PRICE PER SQUARE YARD INCLUDED IN ITS BID. SEE DETAIL F AND DETAIL F1 ON SHEET C-21

BUREAU OF ENGINEERING

CITY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS

DRAWING NO. E1908635

SHEET 22 OF 95 SHEETS

C-17

ENGINEERING

CITY OF LOS ANGELES

DATE: _____

SERIAL NO. _____

B - PERMITS

INDEX NO. **D-35381**

DESIGN GROUP

ENGINEER: RIAZ CHAUDHARY, PE

DESIGNED BY: HERNAN IGNACIO

DRAWN BY: HERNAN IGNACIO

CHECKED BY: CHARLES C. FEIST, PE

APPROVED BY: RIAZ CHAUDHARY, PE

SHEET TITLE: BASINS 7 TO 9 LAYOUT

PROJECT: POTRERO CANYON PARK

ADDRESS: UNIT 3 GRADING

15101, 15125 AND 15145 PACIFIC COAST HIGHWAY

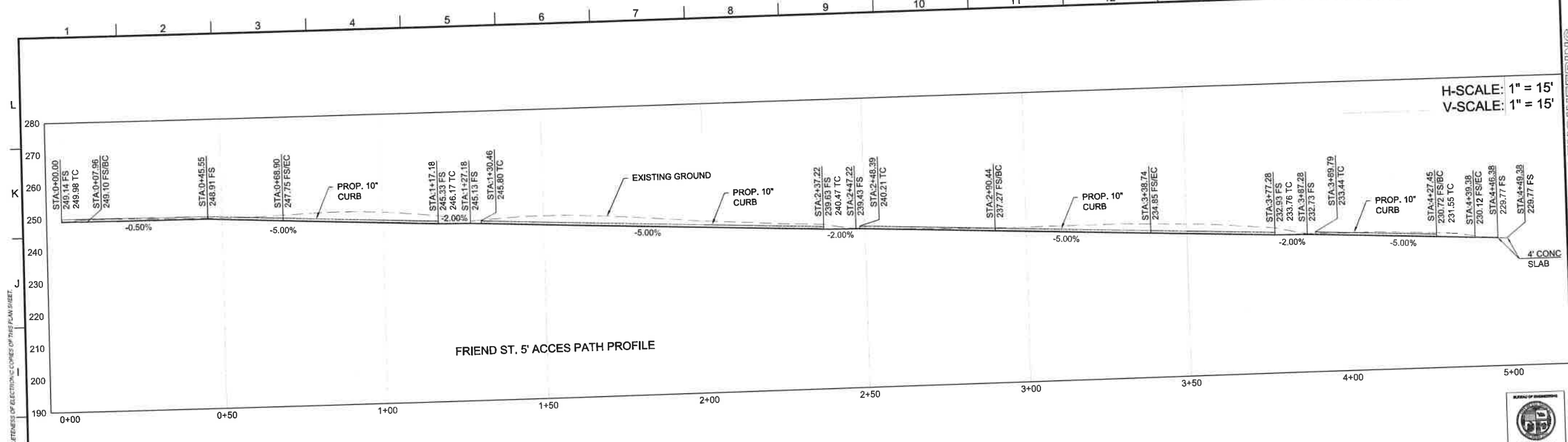
PACIFIC PALISADES, CA. 90272

VERTICAL CONTROL: SEE PLANT SHEETS FOR CONTROL LINE REFERENCE

HORIZONTAL CONTROL: SEE PLANT SHEETS FOR CONTROL LINE REFERENCE

REVISION DATE: (DESIGN STAGE ONLY)

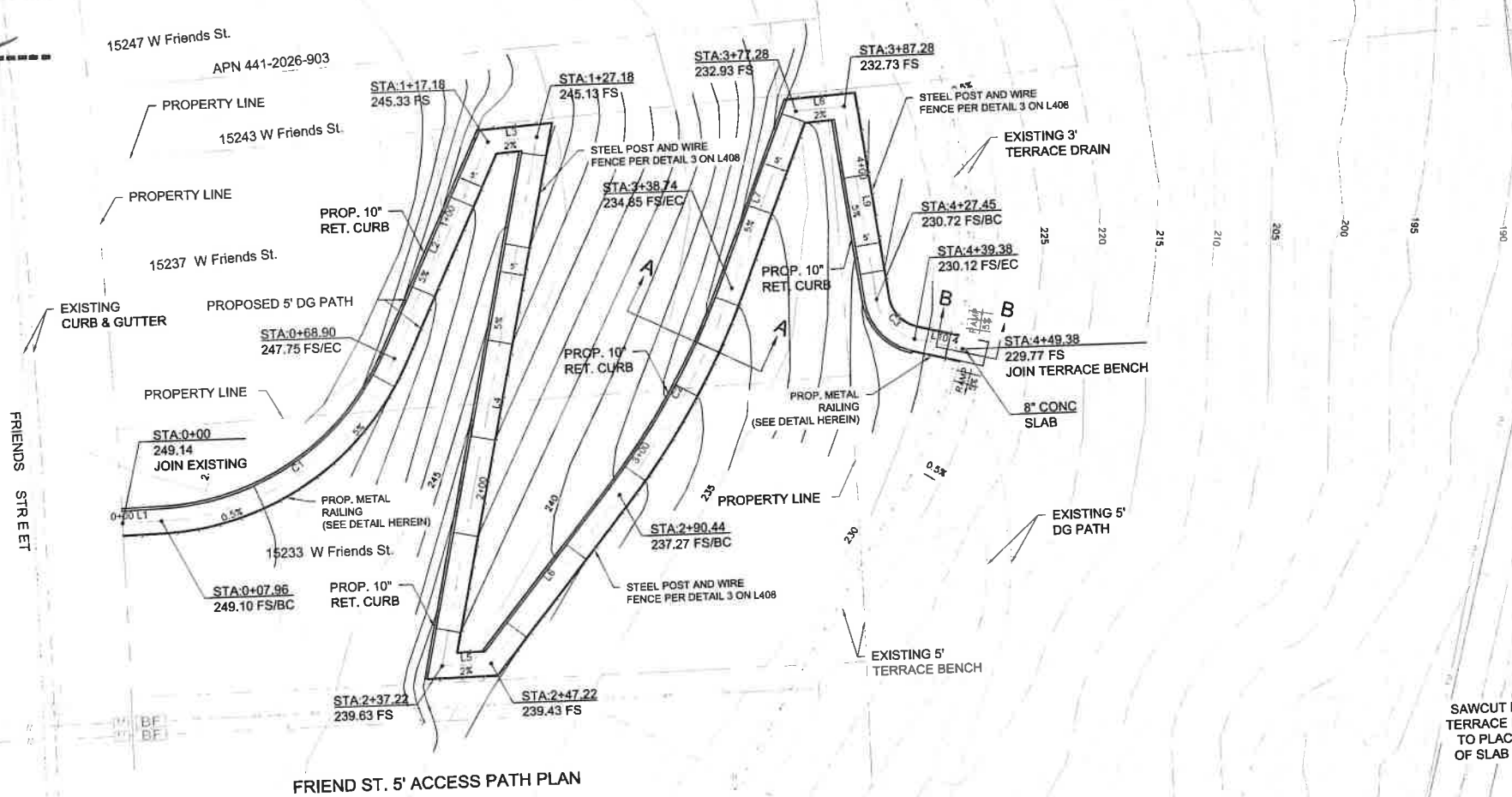
Sheet Version # 0 2/2018



H-SCALE: 1" = 15'
V-SCALE: 1" = 15'

FRIEND ST. 5' ACCES PATH PROFILE

California Coastal Commission
South Coast District Office
APPROVED
Permit No. 5-91-286-A13
By: _____
EFFECTIVE 7/14/22
Date: _____



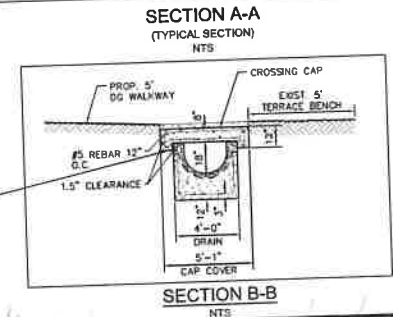
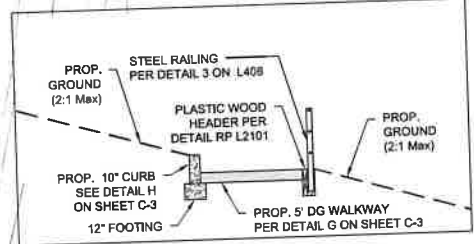
FRIEND ST. 5' ACCESS PATH PLAN

LINE DATA TABLE

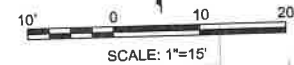
LINE	BEARING	DISTANCE
L1	N88°24'59"E	7.96'
L2	N24°55'46"E	48.28'
L3	N86°15'56"E	10.00'
L4	S11°43'26"W	110.05'
L5	N89°04'32"E	10.00'
L6	N38°52'46"E	43.21'
L7	N21°34'54"E	38.54'
L8	N86°15'56"E	10.00'
L9	S7°40'05"E	40.17'
L10	S75°59'37"E	10.00'

CURVE DATA TABLE

CURVE	RADIUS	LENGTH	DELTA
C1	55.00'	60.94'	63°29'13"
C2	160.00'	48.30'	17°17'52"
C3	10.00'	11.93'	68°19'32"



SAWCUT EXIST. TERRACE DRAIN TO PLACE TOP OF SLAB TO FG



BUREAU OF ENGINEERING

DEPARTMENT OF PUBLIC WORKS

CITY OF LOS ANGELES

ENGINEERING

CITY OF LOS ANGELES

DATE BY: _____

DESIGN GROUP: _____

ENGINEER: **HERNAN IGNACIO**

DRAWN BY: **HERNAN IGNACIO**

CHECKED BY: _____

APPROVED BY: **RIAZ CHAUDHARY, PE**

PROJECT: **FRIEND STREET ADA PATH**

SHEET TITLE: **POTRERO CANYON PARK UNIT 3 GRADING**

ADDRESS: **15101, 15125 AND 15145 PACIFIC COAST HIGHWAY PACIFIC PALISADES, CA 90272**

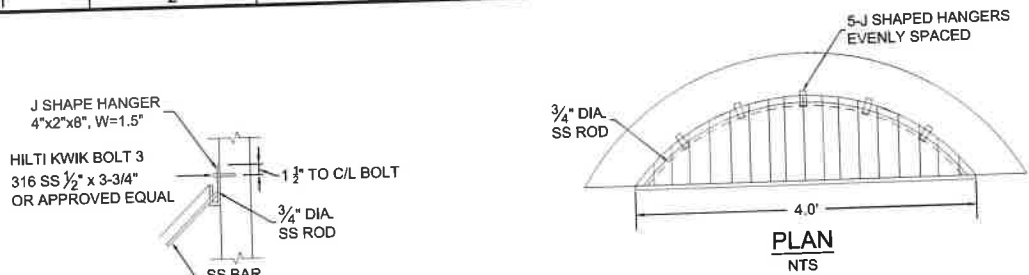
DRAWING NO.: **E1908635**

INDEX NO.: **D-35381**

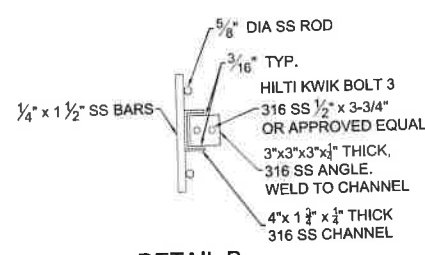
SHEET 23 OF 95 SHEETS

C-18

REVISION DATES (BY/DATE)
 THE CITY OF LOS ANGELES ON ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

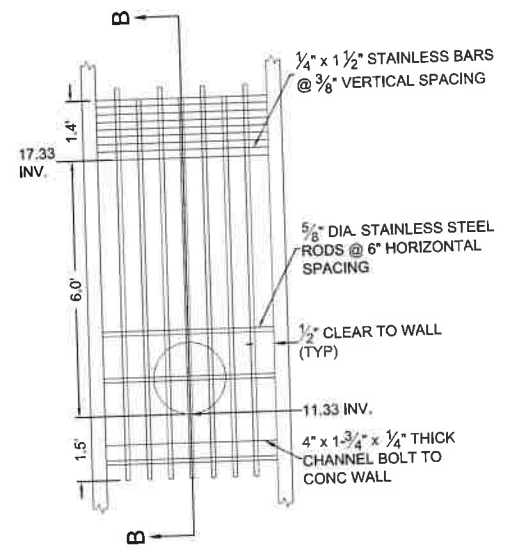


DETAIL A
NTS



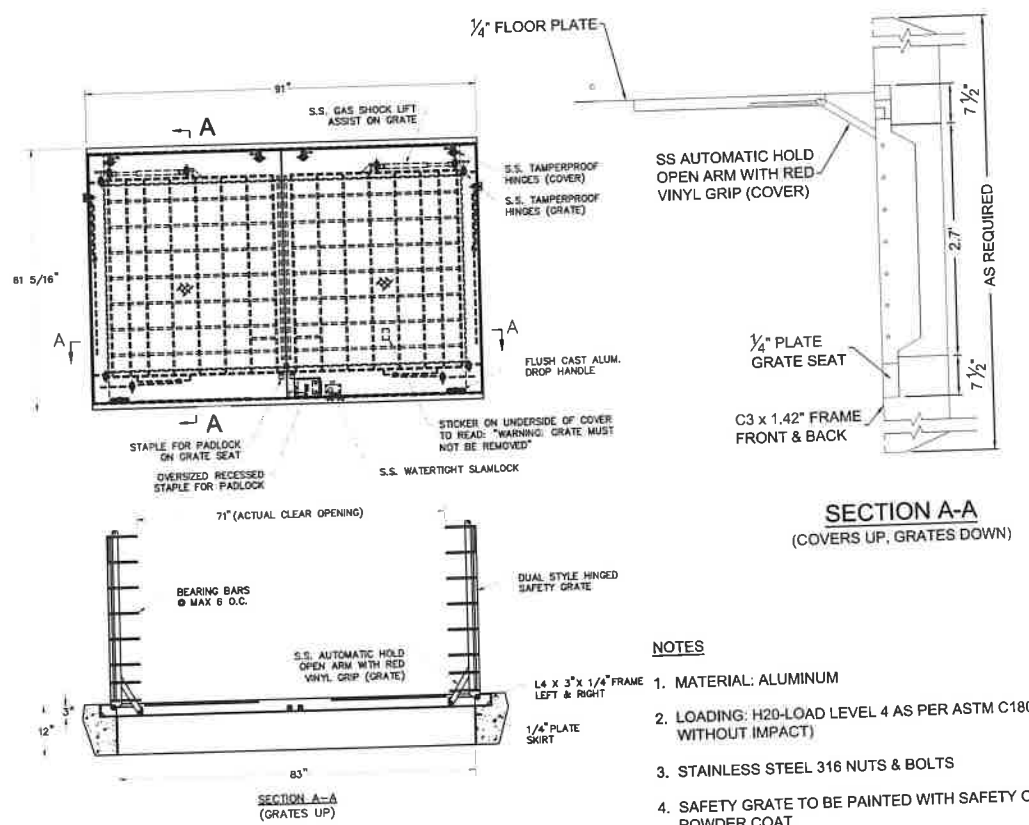
DETAIL B
NTS

- NOTES**
1. STAINLESS STEEL BARS AND SHAPES SHALL CONFORM TO ASTM A276, TYPE 316L.
 2. WELDING RODS SHALL BE ELECTRODE TYPE 309.
 3. ALL WELDING SHALL CONFORM TO THE REQUIREMENTS OF THE STRUCTURAL WELDING CODE AWS D1.1 (LAST EDITION).
 4. WELDS SHALL BE UNIFORM IN SIZE AND APPEARANCE AND FREE OF PINHOLES, POROSITY AND OTHER DEFECTS.
 5. WELDING SHALL BE DONE BY A FABRICATOR LICENSED BY OR A WELDER CERTIFIED BY THE DEPARTMENT BUILDING AND SAFETY, CITY OF LOS ANGELES.
 6. ALL HARDWARE AND STEEL COMPONENTS SHALL BE 316SS.



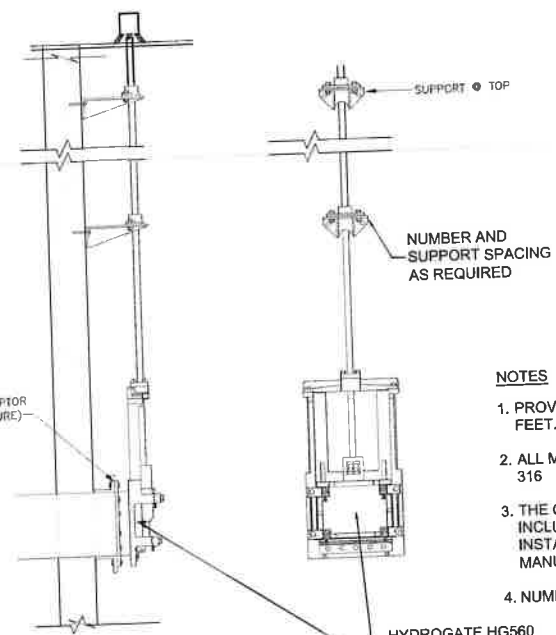
SECTION B-B
NTS

3 BAR SCREEN ELEVATION DETAIL
NTS



1 LIFT STATION HATCHWAY DETAIL
SCALE: NTS

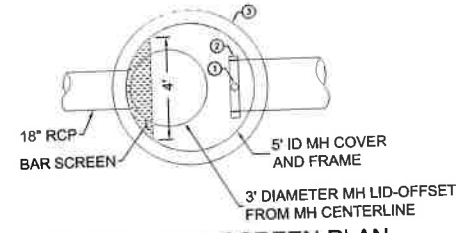
- NOTES**
1. MATERIAL: ALUMINUM
 2. LOADING: H20-LOAD LEVEL 4 AS PER ASTM C1802-14 (16K WITHOUT IMPACT)
 3. STAINLESS STEEL 316 NUTS & BOLTS
 4. SAFETY GRATE TO BE PAINTED WITH SAFETY ORANGE POWDER COAT
 5. AREA OF FRAME IN CONTACT WITH CONCRETE TO BE PAINTED WITH BUTYMINOUS COATING



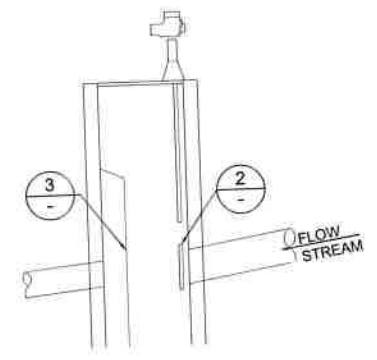
2 SLUICE GATE DETAIL
SCALE: NTS

- NOTES**
1. PROVIDE THE SLUICE GATES DESIGN SEATED HEAD OF 20 FEET.
 2. ALL MOUNTING HARDWARE SHALL BE STAINLESS STEEL 316
 3. THE CONTRACTOR SHALL PROVIDE SHOP DRAWING INCLUDING SLUICE GATE SPECIFICATIONS AND INSTALLATION DETAIL RECOMMENDED BY THE MANUFACTURER.
 4. NUMBER OF STEM SUPPORTS AS REQUIRED.

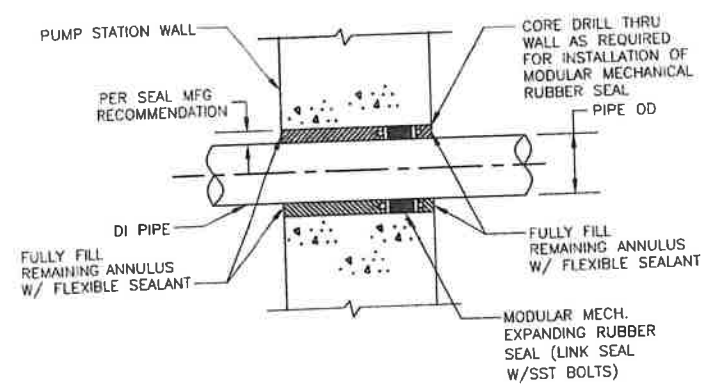
- NOTES**
1. DRILL MAINTENANCE HOLE COVER AS REQUIRED TO PASS SLUICE GATE STEM
 2. 30" x 30" SLUICE GATE BELOW / SEE DETAIL 2
 3. MAINTENANCE HOLE WALL THICKNESS AS REQUIRED FOR TRAFFIC LOADING & H20-LEVEL 4



TRASH WELL / BAR SCREEN PLAN



TRASH WELL

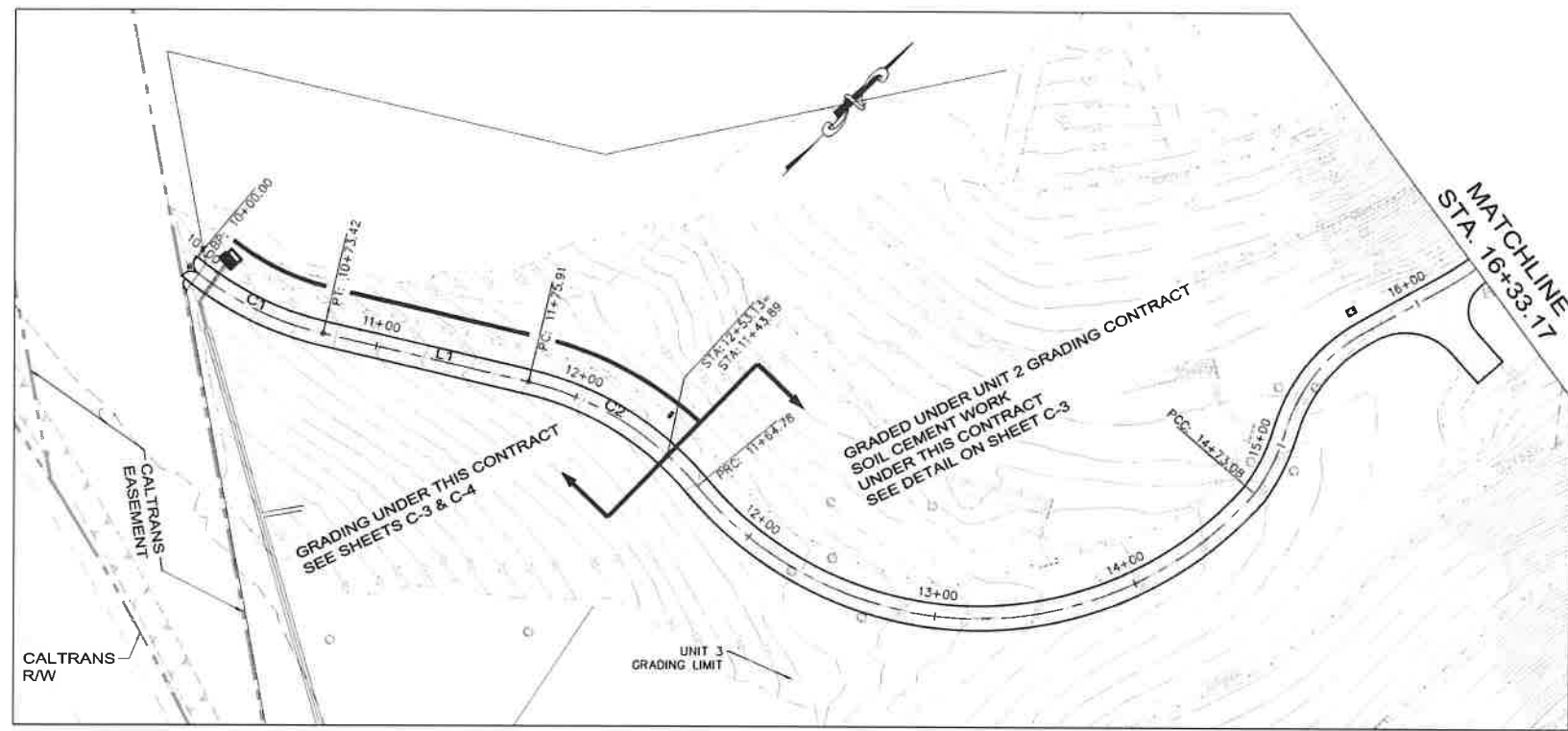


4 TYPICAL PIPE PENETRATION

California Coastal Commission
 South Coast District Office
 APPROVED 5-9-286-A13
 Permit No. _____
 By: _____
 EFFECTIVE 7/14/22
 Date: _____

BUREAU OF ENGINEERING
 DATE BY: _____
 WORK ACCEPTED: _____
 INDEX NO. **D-35381**
DEPARTMENT OF PUBLIC WORKS
 DESIGN GROUP: _____
 ENGINEER: CHARLES C. FEIST, PE
 DESIGNED BY: HERNAN IGNACIO
 DRAWN BY: RIAZ CHAUDHARY, PE
 CHECKED BY: RIAZ CHAUDHARY, PE
 APPROVED BY: RIAZ CHAUDHARY, PE
CITY OF LOS ANGELES
 SHEET TITLE: LIFT STATION SECTIONS AND DETAILS
 PROJECT: POTRERO CANYON PARK UNIT 3 GRADING
 ADDRESS: 15101, 15125 AND 15145 PACIFIC COAST HIGHWAY PACIFIC PALISADES, CA. 90272
 DRAWING NO. E1908635
C-19
 SHEET 24 OF 95 SHEETS

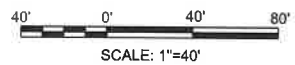
REVISION DATES (DESIGN STAGE ONLY)
 THE CITY OF LOS ANGELES ENGINEERS OR ARCHITECTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.



LINE DATA TABLE		
Line #	BEARING	DISTANCE
L1	N59°07'57.70"E	102.50'

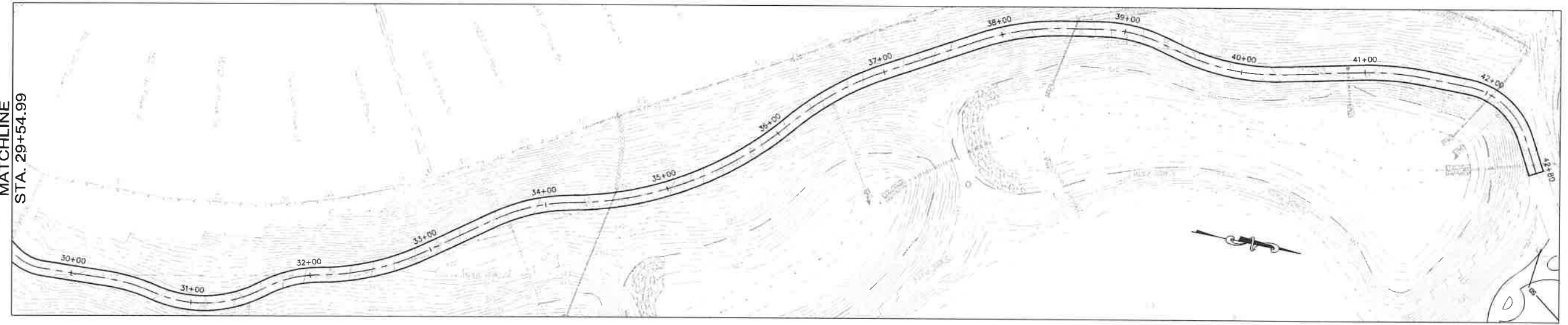
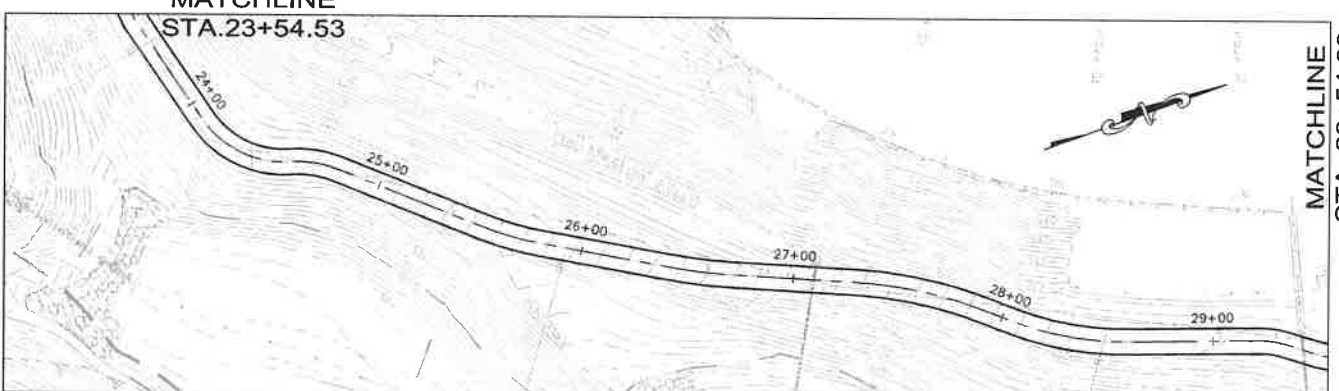
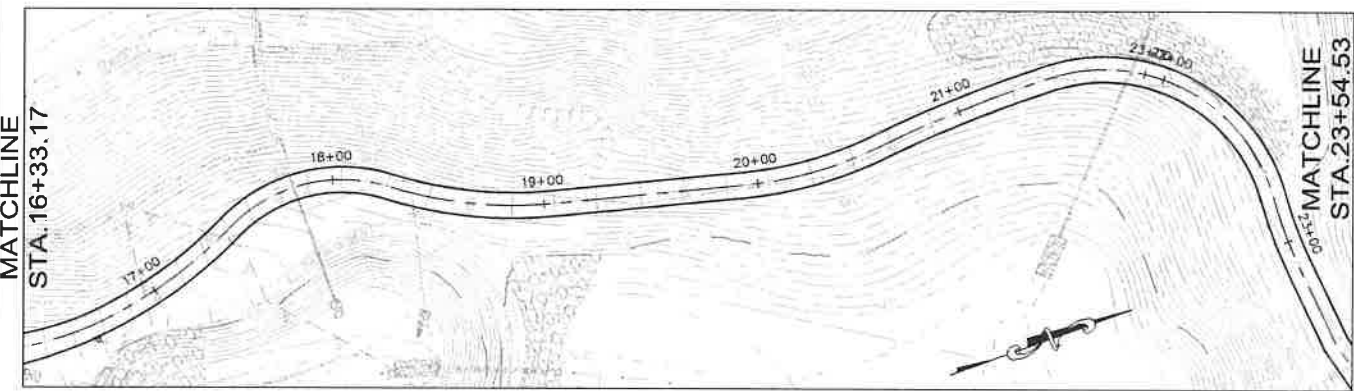
ACCESS ROAD CURVE DATA TABLE			
CURVE #	RADIUS	LENGTH	DELTA
C1	157.75'	73.42'	26°39'52.91"
C2	151.77'	77.22'	29°09'01.09"

CONTROL DATA FOR ROAD TO BE GRADED UNDER THIS CONTRACT



California Coastal Commission
 South Coast District Office
 APPROVED
 Permit No. 5-91-286-A13
 By: *[Signature]*
 EFFECTIVE 7/14/22
 Date: _____

NOTE:
 FOR TYPICAL SOIL CEMENT SECTION SEE SECTION A & B ON SHEET C-3



BUREAU OF ENGINEERING
 DEPARTMENT OF PUBLIC WORKS
 CITY OF LOS ANGELES

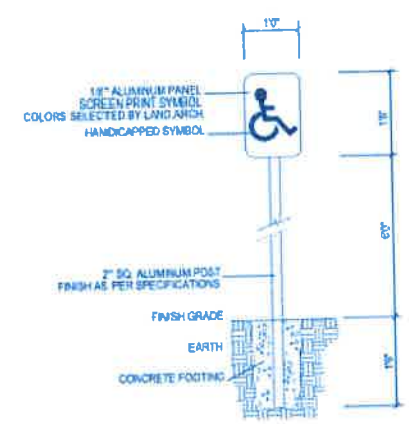
DATE BY:	
REVISION:	
WORK ACCEPTED:	
SERIAL NO.:	
B - PERMITS:	
INDEX NO. D-35381	

DESIGN GROUP:
 ENGINEER: RIAZ CHAUDHARY, PE
 DESIGNED BY: HERNAN IGNACIO
 DRAWN BY: HERNAN IGNACIO
 CHECKED BY: CHARLES C. FEIST, PE
 APPROVED BY: RIAZ CHAUDHARY, PE

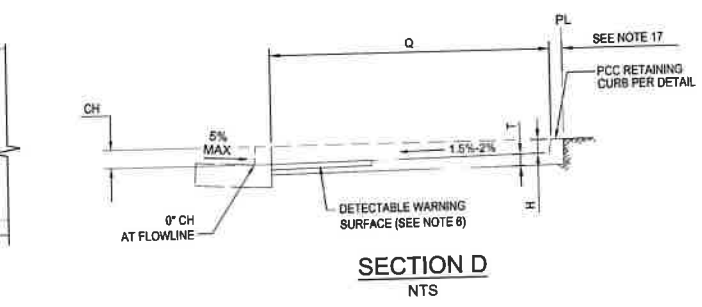
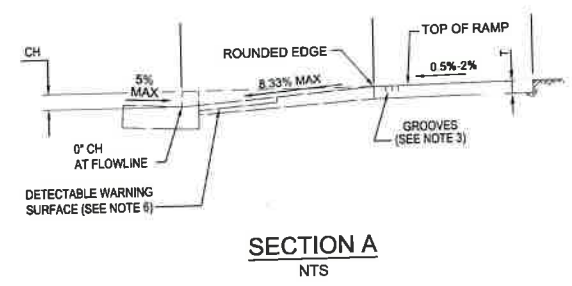
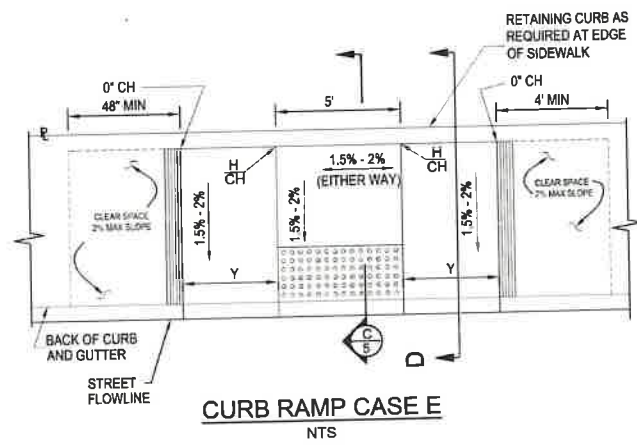
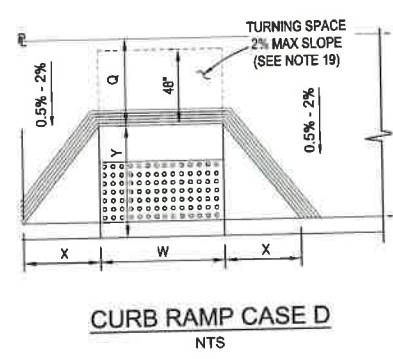
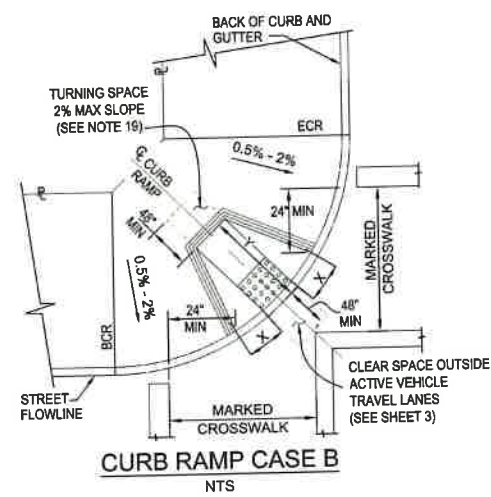
SHEET TITLE:
 ACCESS ROAD PLAN FOR SOIL CEMENT
 POTRERO CANYON PARK
 UNIT 3 GRADING
 ADDRESS:
 15101, 15125 AND 15145 PACIFIC COAST HIGHWAY
 PACIFIC PALISADES, CA. 90272

DRAWING NO. **E1908635**
C-20
 SHEET 25 OF 35 SHEETS

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.

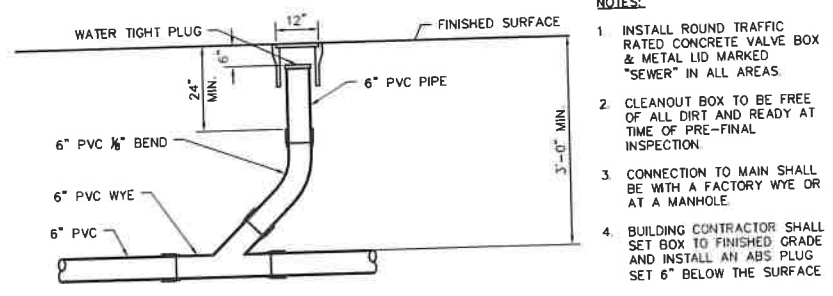
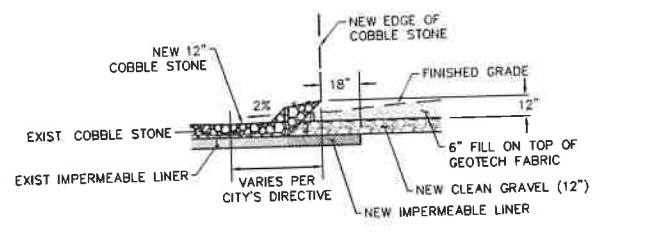
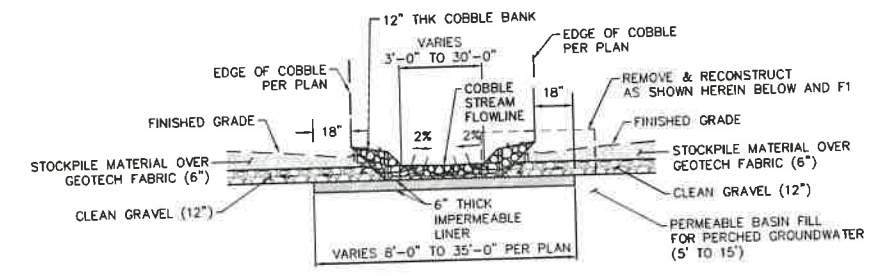


**ACCESSIBILITY PARKING SIGN AND DETAILS
SIGNED INSTALLED AT EACH LOCATION**



CURB RAMP DETAILS

ACCESSIBLE PARKING SIGN INSTALLED AT EACH SPACE



- NOTES:**
1. INSTALL ROUND TRAFFIC RATED CONCRETE VALVE BOX & METAL LID MARKED "SEWER" IN ALL AREAS.
 2. CLEANOUT BOX TO BE FREE OF ALL DIRT AND READY AT TIME OF PRE-FINAL INSPECTION.
 3. CONNECTION TO MAIN SHALL BE WITH A FACTORY WYE OR AT A MANHOLE.
 4. BUILDING CONTRACTOR SHALL SET BOX TO FINISHED GRADE AND INSTALL AN ABS PLUG SET 6" BELOW THE SURFACE.

California Coastal Commission
South Coast District Office
APPROVED
Permit No. 5-91-286-A13
By: [Signature]
EFFECTIVE
Date: 7/14/22

NOTES TO CONTRACTOR:

1. REMOVE COBBLE STONES, 6" FILL AND GEOTECH FABRIC AND CLEAN GRAVEL FROM THE AREA MARKED BY THE CITY IN FIELD FOR MODIFICATION.
2. SALVAGE COBBLE STONES AND CLEAN GRAVEL TO THE EXTENT FEASIBLE FOR REUSE. RESTORE ANY IMPERVIOUS LINER DAMAGED BY THE CONTRACTOR'S OPERATIONS AT NO ADDITIONAL COST TO THE CITY.
3. RECONSTRUCT THE COBBLE STREAM AS SHOWN HEREIN.
4. CITY MAY MAKE MODIFICATIONS TO ONE OR BOTH SIDES OF THE COBBLE STREAM AT ITS SOLE DISCRETION.
5. CONTRACTORS' BID SHALL PROVIDE SEPARATE UNIT PRICE FOR THE FOLLOWING:
 - COBBLE STONE PER CUBIC YARD
 - HOURLY RATE FOR CONSTRUCTION CREW, INCLUDING LABOR, EQUIPMENT AND TOOLS INCLUSIVE OF OVERHEAD AND PROFIT.

BUREAU OF ENGINEERING

DEPARTMENT OF PUBLIC WORKS

CITY OF LOS ANGELES

ENGINEERING

CITY OF LOS ANGELES

DATE: _____

REVISION NO. _____

WORK ACCEPTED

INDEX NO. **D-35381**

ENGINEER: **HERNAN IGNACIO**

DESIGN GROUP

DRAWN BY: **HERNAN IGNACIO**

CHECKED BY: _____

APPROVED BY: **RIAZ CHAUDHARY, PE**

SHEET TITLE: **POTRERO CANYON PARK UNIT 3 GRADING**

PROJECT: **15101, 15125 AND 15145 PACIFIC COAST HIGHWAY**

ADDRESS: **PACIFIC PALISADES, CA 90272**

DRAWING NO. **E1908635**

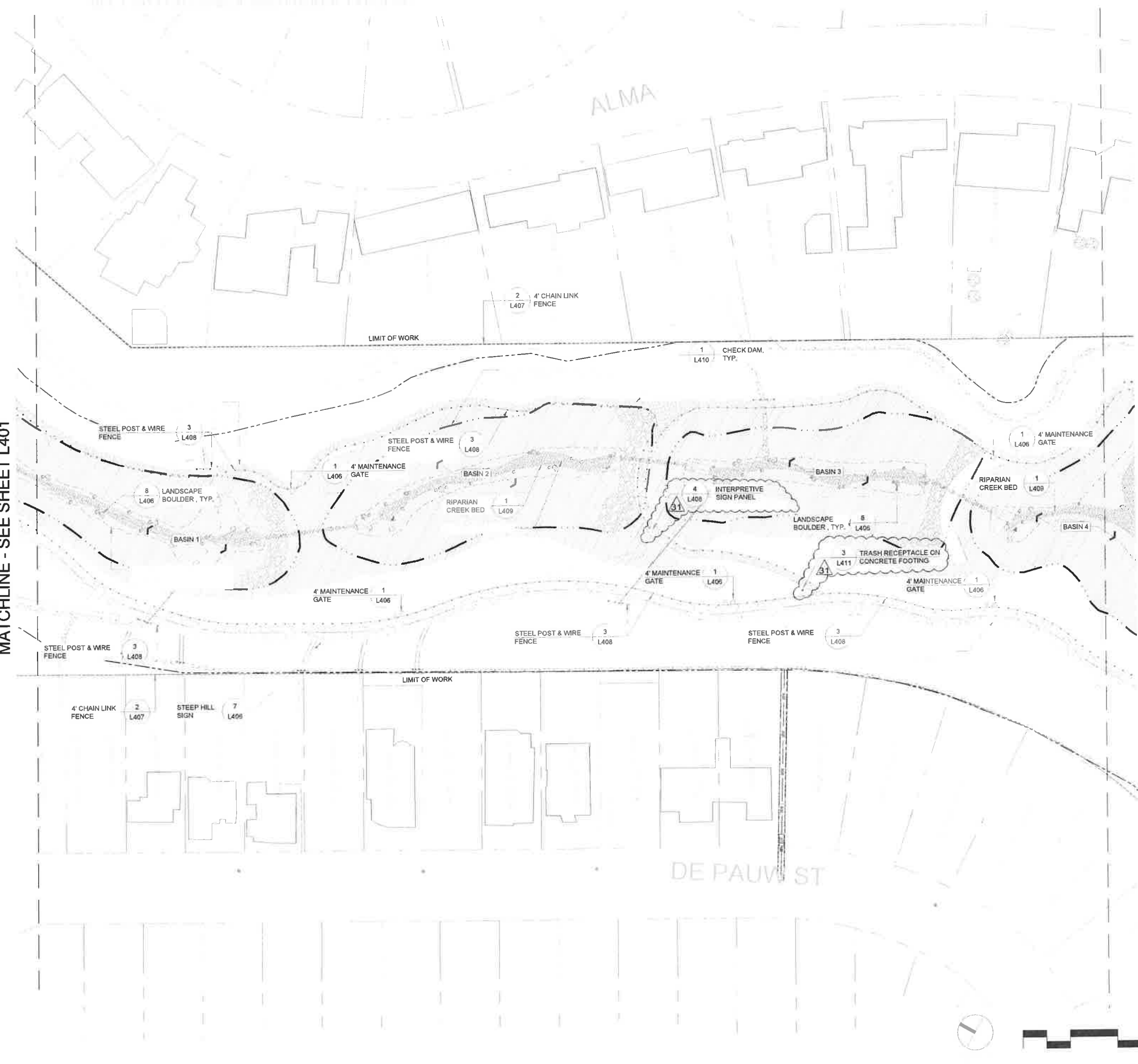
C-21

SHEET 28 OF 65 SHEETS

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MATCHLINE - SEE SHEET L401

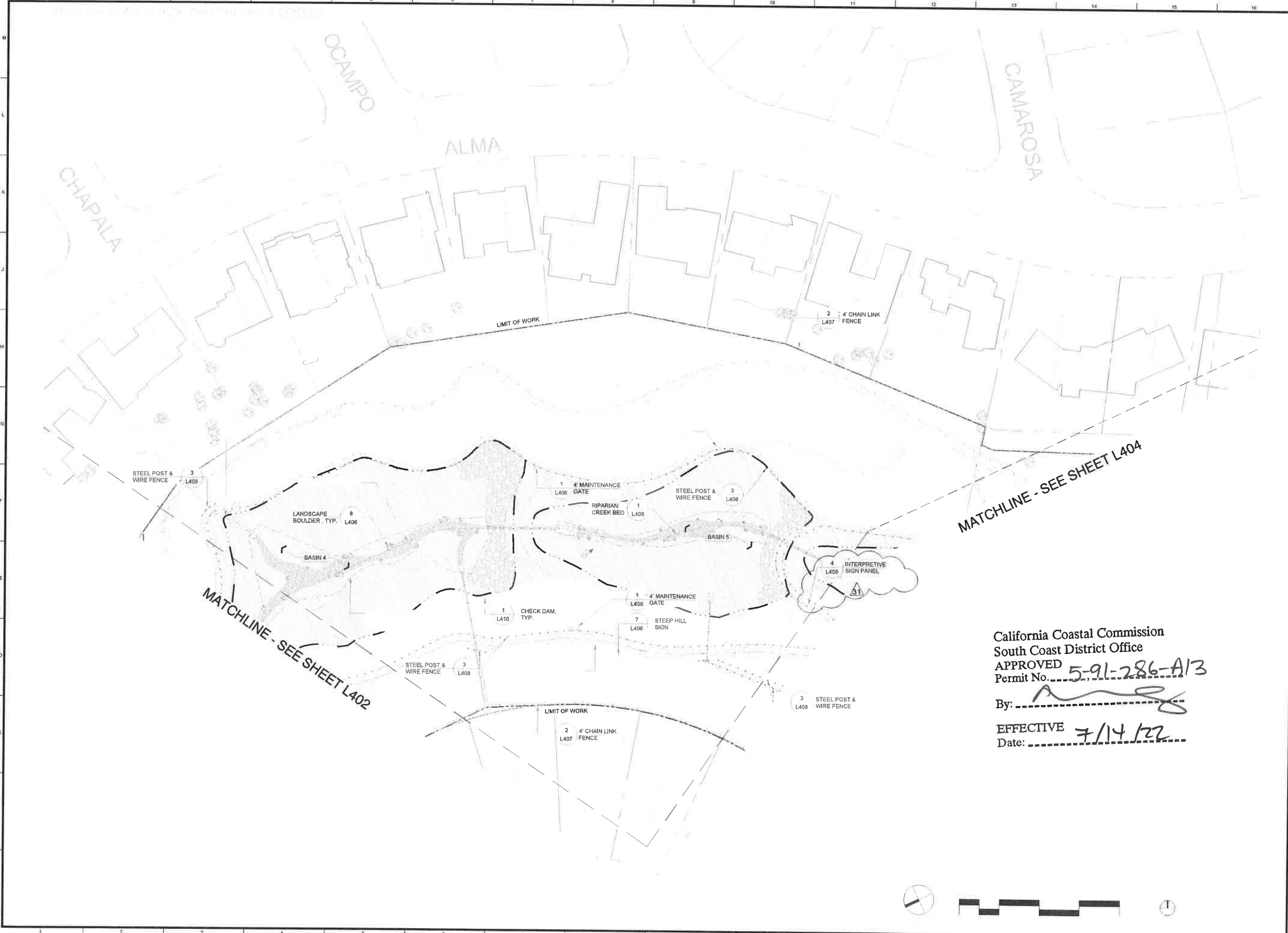
MATCHLINE - SEE SHEET L403



California Coastal Commission
South Coast District Office
APPROVED Permit No. 5-91-286-A13
By: [Signature]
EFFECTIVE Date: 7/14/22

CITY OF LOS ANGELES		BUREAU OF ENGINEERING	
NO. 1 REVISIONS	DATE BY	7/17/22 RMF	
A	PC 031 - SIGNAGE AND BENCH LOCATIONS		
DEPARTMENT OF PUBLIC WORKS		BUILDING NO.	
GARY LEE MOORE, PE, ENV SP CITY ENGINEER		INDEX NO.	
ARCHITECT	LIC. NO.		
DESIGNED BY:	DATE		
DRAWN BY:			
CHECKED BY:			
APPROVED BY:			
SHEET TITLE: LANDSCAPE CONSTRUCTION PLAN		WORK ORDER NO. E1907428	
PROJECT: POTRERO CANYON PARK		PLAN FILE NO. 720	
ADDRESS: 501 ALMA REAL		DRAWING NO. L402	
PACIFICA FALISADES, CA 90272		SHEET OF SHEETS	

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MATCHLINE - SEE SHEET L404

MATCHLINE - SEE SHEET L402

California Coastal Commission
South Coast District Office
APPROVED 5-91-286-A13
By: *[Signature]*
EFFECTIVE 7/14/22
Date: _____



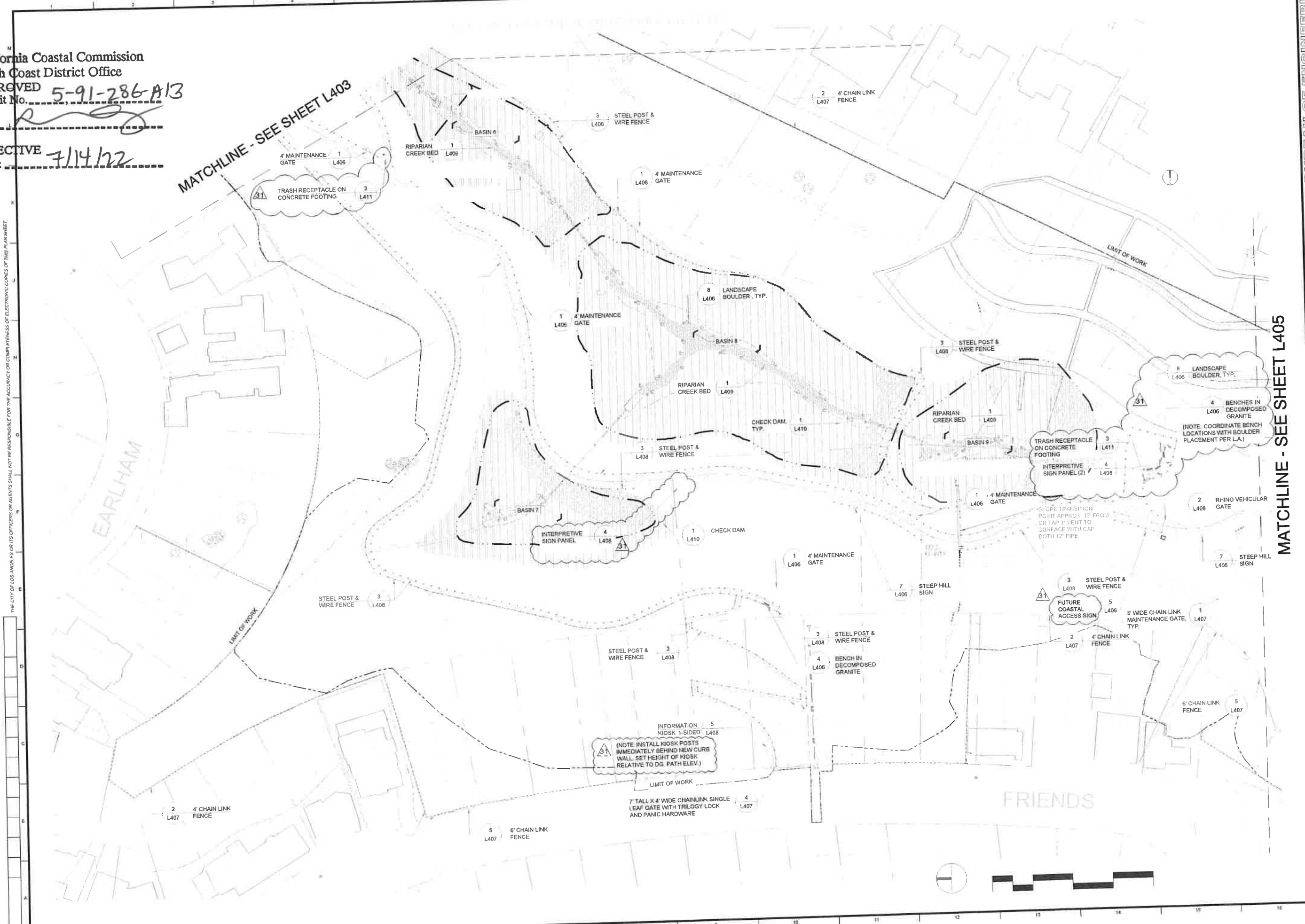
CITY OF LOS ANGELES		DEPARTMENT OF PUBLIC WORKS		BUREAU OF ENGINEERING	
WORK ORDER NO. E1907428	PLAN FILE NO. 720	ARCHITECT GARY LEE MOORE, PE, ENV SP	CITY ENGINEER	DATE 7/11/22	DATE BY 7/11/22
SHEET TITLE LANDSCAPE CONSTRUCTION PLAN		PROJECT POTRERO CANYON PARK		INDEX NO.	
ADDRESS 501 ALMA REAL PACIFICA PALISADES, CA 90272		APPROVED BY:		BUILDING NO.	
DRAWING NO. L403		SHEET OF SHEETS		CITY OF LOS ANGELES	

California Coastal Commission
 South Coast District Office
 APPROVED
 Permit No. 5-91-286-A13

By: _____

EFFECTIVE
 Date: 7/14/22

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BUREAU OF ENGINEERING

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

ENGINEER

DATE: 7/11/22 RWF

REVISIONS:
 NO. DESCRIPTION
 A PC-831 - SIGNAGE AND BENCH LOCATIONS

BUILDING NO. _____

INDEX NO. _____

DATE: _____

CITY ENGINEER
GARY LEE MOORE, PE, ENV SP

ARCHITECTURAL DIVISION

LIC. NO. _____

DESIGNED BY: _____

DRAWN BY: _____

CHECKED BY: _____

APPROVED BY: _____

SHEET TITLE: **LANDSCAPE CONSTRUCTION PLAN**

PROJECT: **POTRERO CANYON PARK**

ADDRESS: **501 ALMA REAL
 PACIFICA PALISADES, CA 90272**

WORK ORDER NO. **E1907428**

PLAN FILE NO. **720**

DRAWING NO. **L404**

SHEET OF SHEETS

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.

MATCHLINE - SEE "C" SERIES

MATCHLINE - SEE SHEET L404

CATCH BASIN SCHEDULE NOTES

- a Field verify
- b Invert elevation based upon access road station elevation. Field verify and correct as required. Invert elevation to be V ft. below access road elevation.
- c All grates to be traffic rated
- d The first 13' of both (2)-12" outlet pipes at CB #1 shall have minimum slope of 0.01 thereafter slope transition to 0.154
- e Construction Notes
 - * Install additional 12" PVC discharge pipe to run in parallel with existing 12" pipe
 - * Upper portion (approx. 13' see plan) of existing 12" pipe shall be cut & realigned for slope change to allow 4' deep catch basin
 - * Splash pad at discharge to basin 9 shall be cut & widened to accommodate the second 12" pipe

INSTALL 4" HIGH ROUNDED SOIL CEMENT CURB
TAPER CURB HEIGHT FOR 20 FT ON BOTH ENDS
OF CURB LENGTH BEGIN & END OF CURB TO
BE DETERMINED BY GEO ENGINEER

6" CHAIN LINK FENCE 5 L407

2 4" CHAIN LINK FENCE L407

COMBINED CHAINLINK DOUBLE-LEAF AND 7' TALL PED GATE 2 L406

5 6" CHAIN LINK FENCE L407

6" TALL CHAIN LINK DOUBLE-LEAF GATES 3 L407

6" TALL CHAIN LINK DOUBLE-LEAF GATES 3 L407

PACIFIC COAST HIGHWAY
CALTRANS R/W

ALMA

California Coastal Commission
South Coast District Office
APPROVED
Permit No. 5-91-286-A13

By: *[Signature]*

EFFECTIVE
Date: 7/14/22



CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING

NO.	REVISIONS	DATE (BY)
1	PC #31 - STORAGE AND BENCH LOCATIONS	7/11/22 RWF

ARCHITECT:	GARY LEE MOORE, PE, ENV SP CITY ENGINEER
DESIGNED BY:	
DRAWN BY:	
CHECKED BY:	
APPROVED BY:	

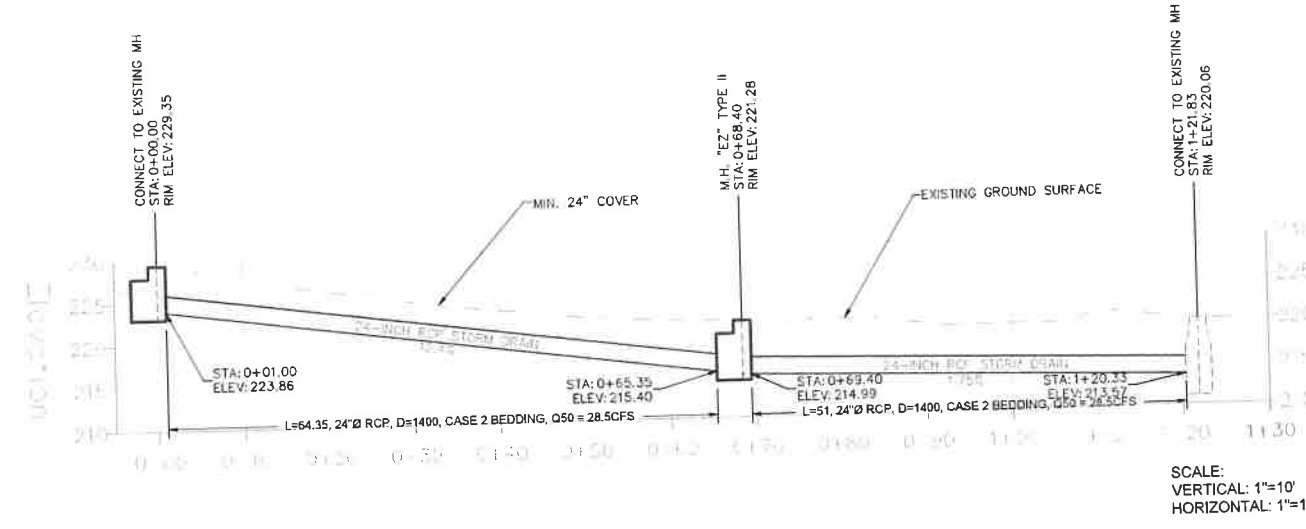
VERTICAL CONTROL:	
HORIZONTAL CONTROL:	
SHEET TITLE:	LANDSCAPE CONSTRUCTION PLAN
PROJECT:	POTRERO CANYON PARK
ADDRESS:	501 ALMA REAL PACIFICA PALISADES, CA 90272

WORK ORDER NO.	E1907428
PLAN FILE NO.	720
DRAWING NO.	L405
SHEET	OF SHEETS

INDEX NO. BUILDING NO.

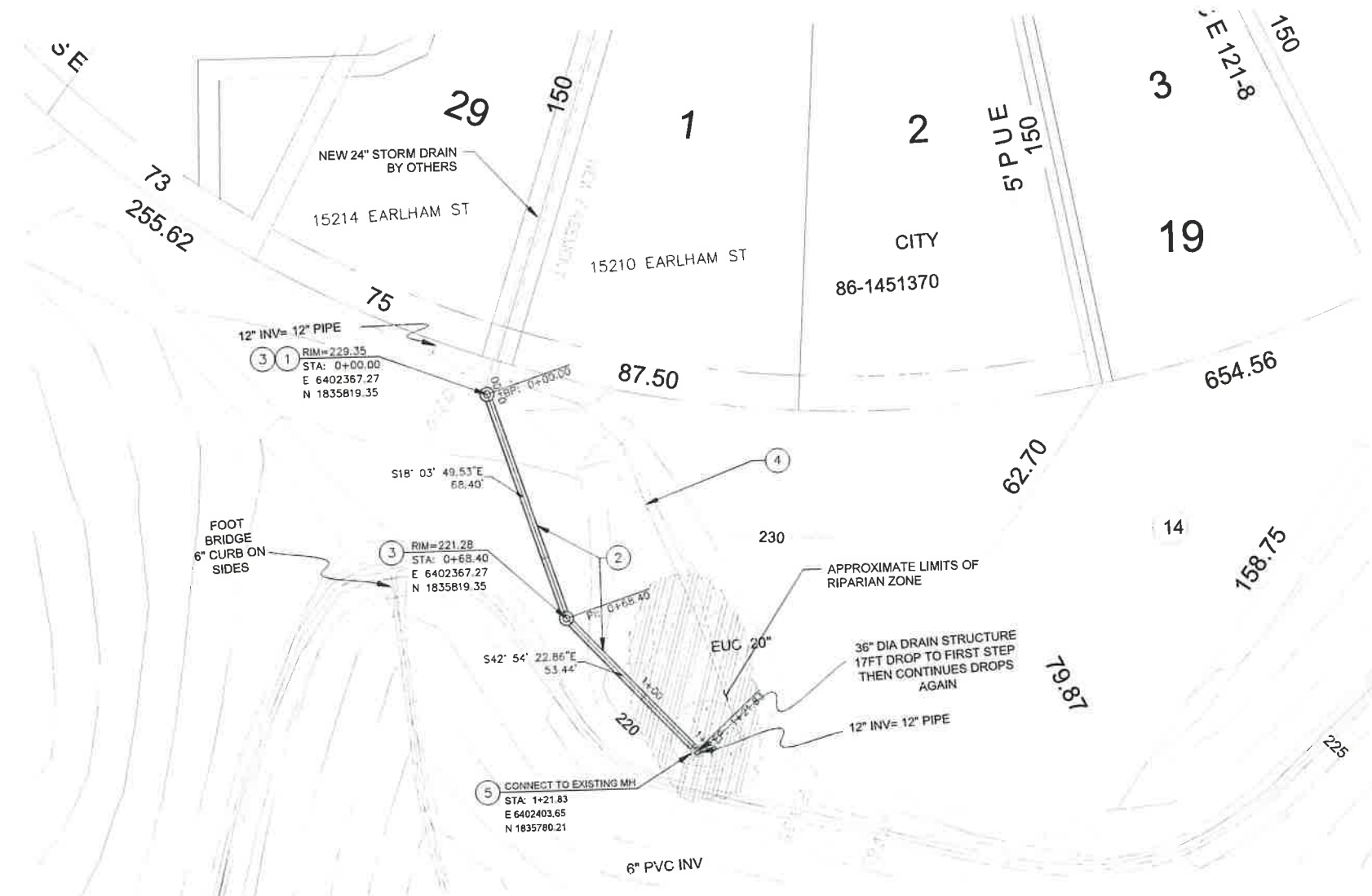
REVISION DATE: DESIGN DATE: THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

Sheet Version 3.0



SCALE:
VERTICAL: 1"=10'
HORIZONTAL: 1"=10'

California Coastal Commission
South Coast District Office
APPROVED 5-91-286-A13
Permit No. _____
By: _____
EFFECTIVE 7/14/22
Date: _____

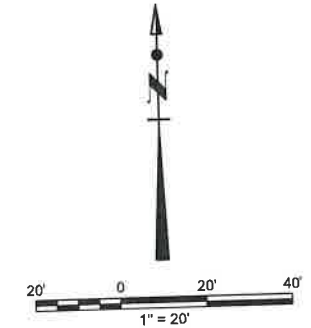


CONSTRUCTION NOTES

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

- 1 CONNECT EXISTING PIPE.
- 2 INSTALL NEW 24" DIAMETER R.C.P. PIPE PER CITY STD PLAN S-241-0. SEE NOTE 1.
- 3 CONSTRUCT MANHOLE "EZ" PER COLA DPW STD PLAN S-381-0. SEE NOTE 2.
- 4 REMOVE EXISTING TEMPORARY 12" HDPE PIPE
- 5 CONNECT TO EXISTING MH

- NOTES:
1. CONTRACTOR TO MINIMIZE VEGETATION IMPACTS IN RIPARIAN ZONE WHILE INSTALLING PIPE
 2. CONTRACTOR TO VERIFY PIPE INVERT ELEVATIONS PRIOR TO CONSTRUCTION OF NEW MANHOLE AND PROCEED WITH CARE TO AVOID VEGETATION IMPACTS



REVISED PER PLAN CLARIFICATION #012

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

BUREAU OF ENGINEERING

ENGINEERING CITY OF LOS ANGELES

DATE BY:

REVISIONS:

NO. REVISIONS: 1

DATE: 7/14/22

BY: [Signature]

STRUCTURE NO.:

INDEX NO.:

PROFESSIONAL ENGINEER

No. 90362

Karlo J. [Signature]

REGISTERED STATE OF CALIFORNIA

DESIGN GROUP:

ENGINEER: KRISTEN LY P.E. 12/14/21

DESIGNED BY: KRISTEN LY P.E. 12/14/21

DRAWN BY: ELEN SHILEY 12/14/21

CHECKED BY: PEDRO GARCIA, P.E. 12/14/21

APPROVED BY: PEDRO GARCIA, P.E. 12/14/21

SHEET TITLE: EARLHAM STORM DRAIN CONNECTION

PROJECT: POTRERO CANYON PARK - LANDSCAPING

ADDRESS: 15101 PACIFIC COAST HIGHWAY LOS ANGELES, CA 90272

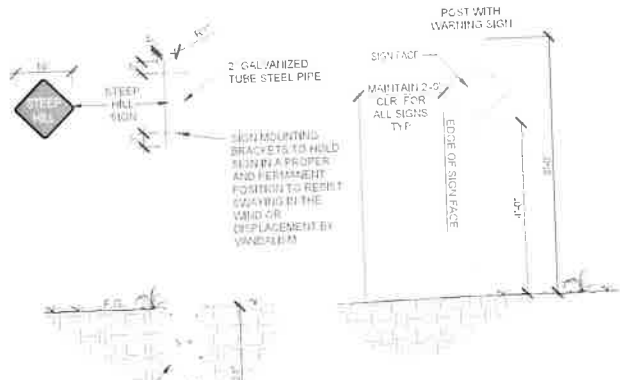
WORK ORDER NO. E1908635

DRAWING NO. S-1.1

SHEET 1 OF 1 SHEETS

TEMPLATE SHEET REVISION DATE: 06/20/14
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 REVISION DATE: 7/21/2022 8:14 AM

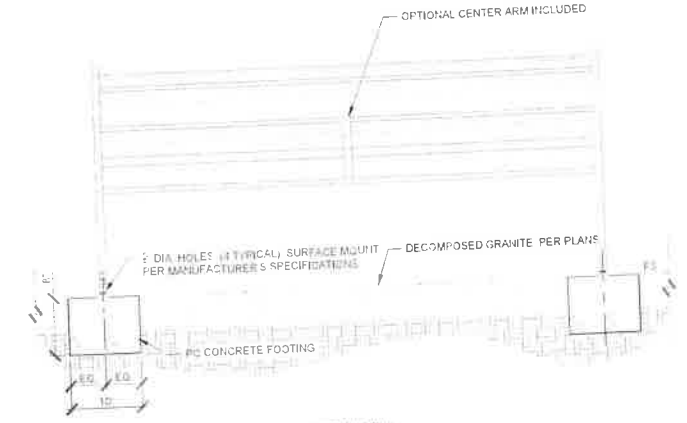
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7 STEEP HILL SIGN
1/2"=1'-0"

NOTES

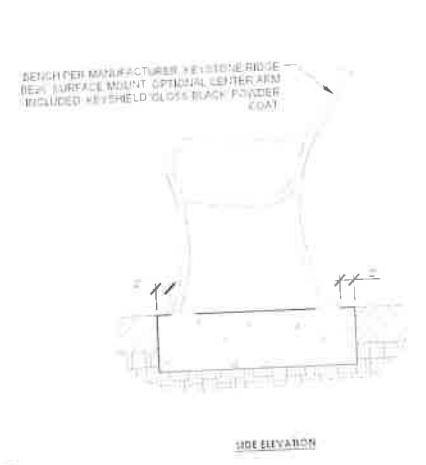
- SIGN LOCATIONS PER LANDSCAPE CONSTRUCTION PLAN.
- ALL ALUMINUM TRAIL SIGNS SHALL BE PROVIDED AND INSTALLED BY THE CONTRACTOR.
- ALL SIGNS SHALL CONFORM TO THE LATEST CALIFORNIA MUTCD STANDARDS.
- CONTRACTOR SHALL SUBMIT SHOP DRAWING FOR APPROVAL PRIOR TO FABRICATION TYP.



4 BENCH IN DECOMPOSED GRANITE
1"=1'-0"

NOTES

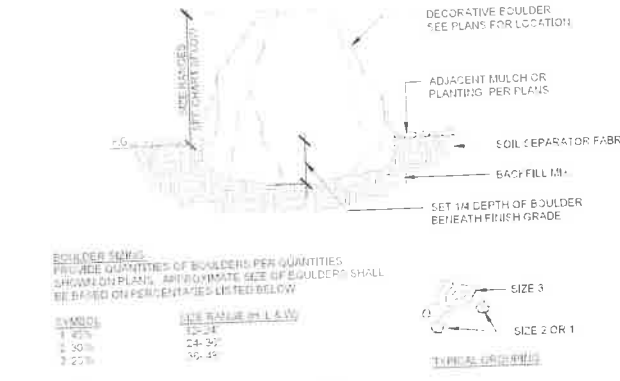
CONTRACTOR TO REMOVE AND SALVAGE EXISTING DECOMPOSED GRANITE FOR INSTALLATION OF BENCH AND ASSOCIATED FOOTING. REPAIR 4' SECTION OF DECOMPOSED GRANITE RE-IMPACT AND STABILIZE TO ORIGINAL CONDITION AND REPAIR 4' SECTION OF DECOMPOSED GRANITE MATERIAL SHALL BE PROVIDED WITH STABILIZER PER 100-35-100 THROUGHOUT MATURE. MANUFACTURER'S RECOMMENDATION AND MATCHMAKED ON SITE PRIOR TO PLACEMENT TO ENSURE THROUGHOUT MATURE.



1 4' MAINTENANCE GATE
1/2"=1'-0"

NOTES

CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR APPROVAL PRIOR TO FABRICATION OF GATE.



8 LANDSCAPE BOULDER
1/2"=1'-0"

BOULDER TABLE

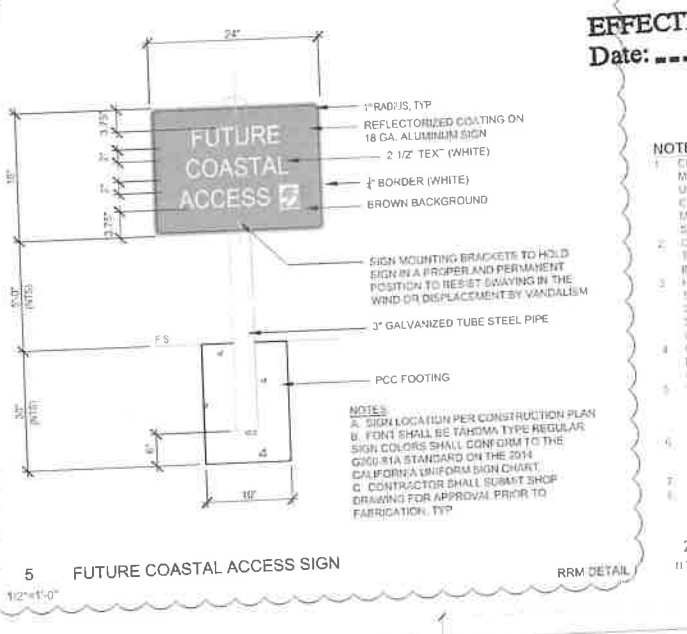
SIZE	PER SQUARE FOOT
1 4"	15-24
2 30"	24-30
3 22"	30-45

NOTE

PROVIDE TYPICAL PHOTOGRAPHIC OF BOULDERS FOR SUBMITTAL PRIOR TO APPROVAL.

LANDSCAPE ARCHITECT SHALL BE PRESENT WHILE PLACING BOULDERS.

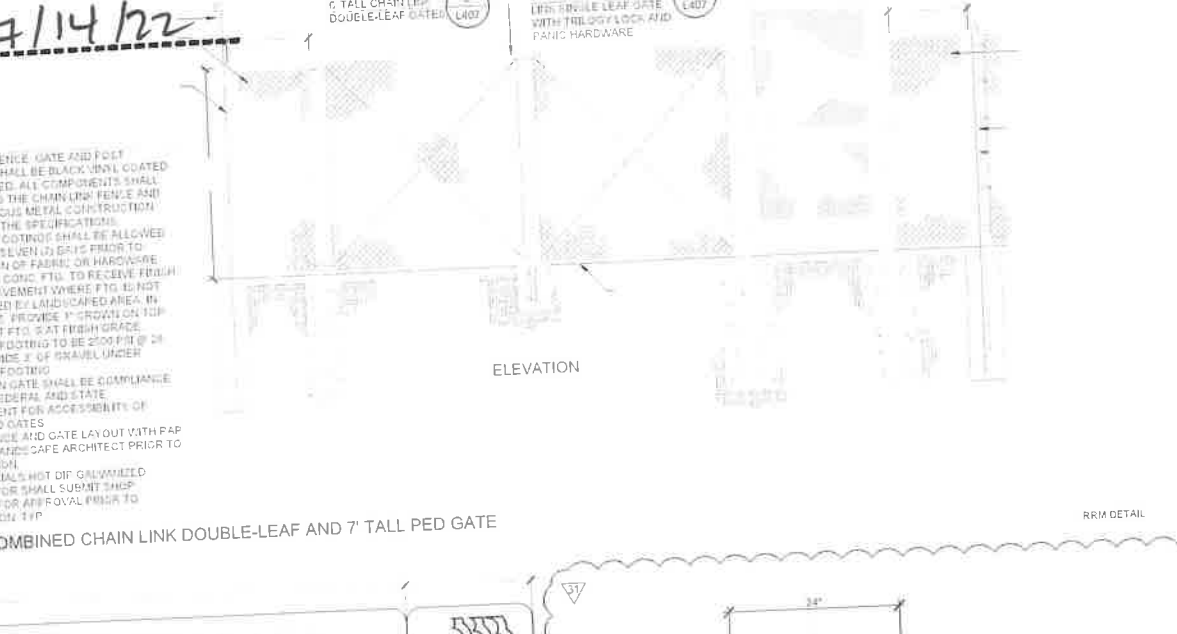
IN AFFILIABLE AREAS, CONTRACTOR TO REMOVE AND SALVAGE EXISTING DECOMPOSED GRANITE FOR INSTALLATION OF BOULDERS. REPAIR AND RE-IMPACT DECOMPOSED GRANITE TO ORIGINAL CONDITION AS NECESSARY AROUND ROCKS INSTALLED.



5 FUTURE COASTAL ACCESS SIGN
1/2"=1'-0"

NOTES

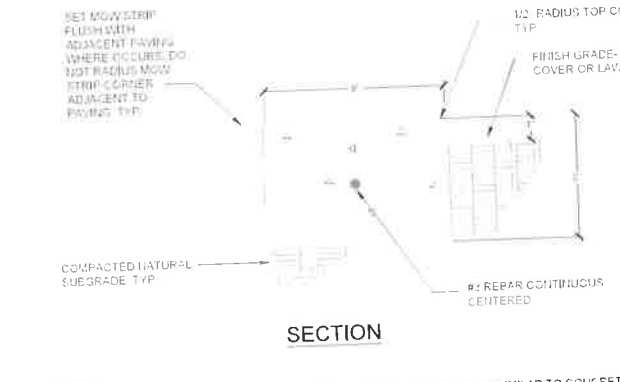
- SIGN LOCATION PER CONSTRUCTION PLAN.
- FONT SHALL BE TAHOMA TYPE REGULAR.
- SIGN COLORS SHALL CONFORM TO THE 2014 CALIFORNIA UNIFORM SIGN CHART.
- CONTRACTOR SHALL SUBMIT SHOP DRAWING FOR APPROVAL PRIOR TO FABRICATION TYP.



2 COMBINED CHAIN LINK DOUBLE-LEAF AND 7' TALL PED GATE
1/2"=1'-0"

NOTES

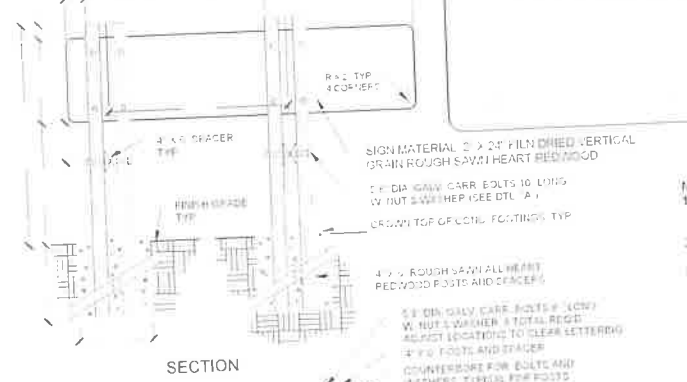
- CHAIN LINK FENCE, GATE AND POST MATERIALS SHALL BE BLACK VINYL COATED UNLESS NOTED. ALL COMPONENTS SHALL CONFORM TO THE CHAIN LINK FENCE AND DOUBLE-LEAF GATE METAL CONNECTION SECTION OF THE SPECIFICATIONS.
- CONCRETE FOOTINGS SHALL BE ALLOWED TO SET FOR SEVEN (7) DAYS PRIOR TO INSTALLATION OF FENCE OR HARDWARE. HOLD DOWN CONCRETE FTG TO RECEIVE FRESH SURFACE PAVEMENT WHERE FTG IS NOT SUBSIDIZED BY LANDSCAPED AREA. IN SUCH CASES, PROVIDE 1" SLOPE ON TOP OF ALL POST FTGS TO AT FRESH GRADE.
- CONCRETE FOOTING TO BE 200# @ 24" DIA. PROVIDE 3" OF SAND UNDER CONCRETE FOOTING.
- PEDESTRIAN GATE SHALL BE COMPLIANT WITH ALL FEDERAL AND STATE REQUIREMENT FOR ACCESSIBILITY OF DOORS AND GATES.
- VERIFY FENCE AND GATE LAYOUT WITH P&P PROJECT LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
- ALL MATERIALS NOT DIF GALVANIZED.
- CONTRACTOR SHALL SUBMIT SHOP DRAWING FOR APPROVAL PRIOR TO FABRICATION TYP.



9 CONCRETE MOW CURB
1/2"=1'-0"

NOTES

- SCORE MOW STRIP AT MAX 10' O.C. AND AT ALL CHANGES IN DIRECTION SIMILAR TO CONCRETE PAVING DETAIL.
- WHEN MOW STRIP IS INSTALLED ADJACENT TO EXISTING A.C. PAVING, THE EXISTING A.C. PAVING SHALL BE SAW CUT 1/2" FROM THE EDGE OF THE MOW STRIP AND NEW ASPHALT CONCRETE PLACED AFTER MOW STRIP IS IN PLACE.



6 WOOD FACILITY SIGN
1/2"=1'-0"

NOTES

- ON DRY CARE JOINTS (A-C) W. NOT SQUARE. TOTAL REQ. ADJUST LOCATIONS TO CLEAR LETTERING.
- 4\"/>



3 SECONDARY PARK SIGN
1/2"=1'-0"

NOTES

- SIGN LOCATION PER CONSTRUCTION PLAN.
- FONT SHALL BE TAHOMA TYPE REGULAR.
- SIGN COLORS SHALL CONFORM TO THE 2014 CALIFORNIA UNIFORM SIGN CHART.
- CONTRACTOR SHALL SUBMIT SHOP DRAWING FOR APPROVAL PRIOR TO FABRICATION TYP.

California Coastal Commission
South Coast District Office
APPROVED
Permit No. 5-91-286-A13
 By: *[Signature]*
EFFECTIVE 7/14/22
 Date:

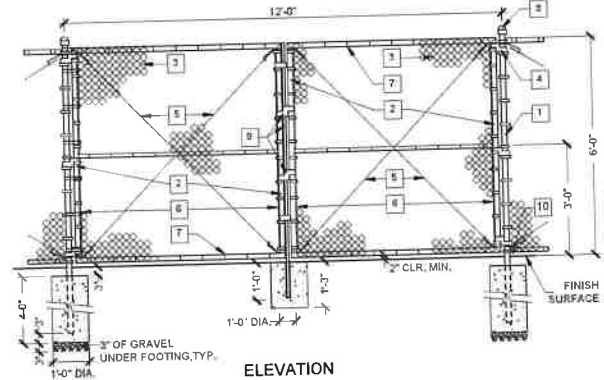
BUREAU OF ENGINEERING
DEPARTMENT OF PUBLIC WORKS
DRAFT 100% CONSTRUCTION DOCUMENTS
CITY OF LOS ANGELES

DATE BY: _____
 REVISIONS: _____
 PC #31 - SIGNAGE AND BENCH LOCATIONS
 ARCHITECT: GARY LEE MOORE, PE, ENV SP, CITY ENGINEER
 ARCHITECTURAL DIVISION
 LIC. NO. _____
 DESIGNED BY: MSAC
 DRAWN BY: KS/RH
 CHECKED BY: _____
 APPROVED BY: HAYMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

SHEET TITLE: **LANDSCAPE CONSTRUCTION DETAILS**
 PROJECT: _____
 ADDRESS: _____
 WORK ORDER NO. _____
 PLAN FILE NO. _____
 DRAWING NO. **L406**
 SHEET OF SHEETS

INDEX NO. _____
 BUILDING NO. _____

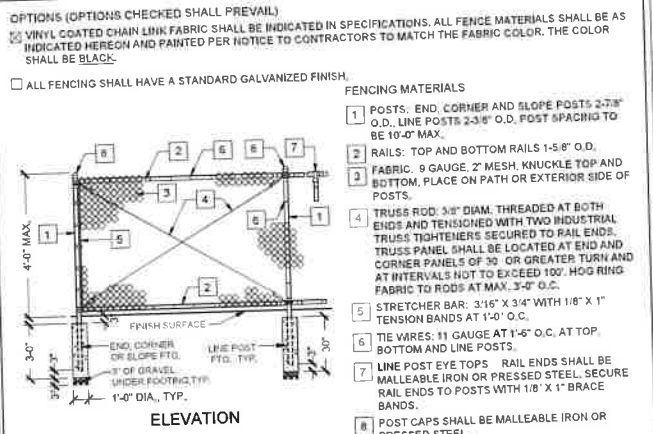
PRINTED: 12-10-2019



ELEVATION

- NOTES:**
- CHAIN LINK FENCE, GATE AND POST MATERIALS SHALL BE BLACK VINYL COATED UNLESS NOTED. ALL COMPONENTS SHALL CONFORM TO THE CHAIN LINK FENCE AND MISCELLANEOUS METAL CONSTRUCTION SECTION OF THE SPECIFICATIONS.
 - CONCRETE FOOTINGS SHALL BE ALLOWED TO SET FOR SEVEN (7) DAYS PRIOR TO INSTALLATION OF FABRIC OR HARDWARE.
 - HOLD DOWN CONC. FTG. TO RECEIVE FINISH SURFACE PAVEMENT WHERE FTG. IS NOT SURROUNDED BY LANDSCAPED AREA. IN SUCH CASES, PROVIDE 1" CROWN ON TOP OF ALL POST FTG.'S AT FINISH GRADE.
 - CONC. FTG. TO BE 2500 PSI 28 DAYS. PROVIDE 3" OF GRAVEL UNDER CONC. FTG.
 - CONTRACTOR TO FIELD VERIFY NECESSARY DIMENSIONS FOR DOUBLE-LEAF GATE AND POST LOCATIONS.

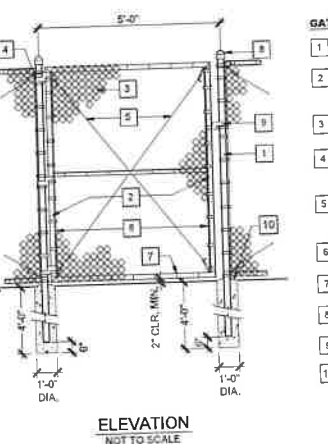
3 6' TALL CHAIN LINK DOUBLE-LEAF GATES
N.T.S. RP DETAIL 504-2



ELEVATION

- NOTES:**
- CHAIN LINK FENCE MATERIALS SHALL CONFORM TO THE CHAIN LINK FENCE AND MISCELLANEOUS METAL CONSTRUCTION SECTION OF THE NOTICE TO CONTRACTORS.
 - CONCRETE FOOTINGS SHALL BE ALLOWED TO SET FOR SEVEN (7) DAYS PRIOR TO INSTALLATION OF FABRIC OR HARDWARE.
 - THE BOTTOM OF THE FABRIC SHALL BE POSITIONED ONE INCH ABOVE FINISH GRADE. FTG. IS NOT SURROUNDED BY LANDSCAPED AREA. IN SUCH CASES, PROVIDE 1" CROWN ON TOP OF ALL POST FTG.'S AT FINISH GRADE.
 - HOLD DOWN CONC. FTG. TO RECEIVE FINISH SURFACE PAVEMENT WHERE FTG. IS NOT SURROUNDED BY LANDSCAPED AREA. IN SUCH CASES, PROVIDE 1" CROWN ON TOP OF ALL POST FTG.'S AT FINISH GRADE.
 - CONC. FTG. TO BE 2500 PSI 28 DAYS. PROVIDE 3" OF GRAVEL UNDER CONC. FTG.
 - PROVIDE 6" GAP EVERY 100 LINEAR FEET OF FENCING TO ALLOW FOR WILDLIFE PERMEABILITY. CLAMPS TO SECURE TOP END OF POSTS AT 6" GAP LOCATIONS.

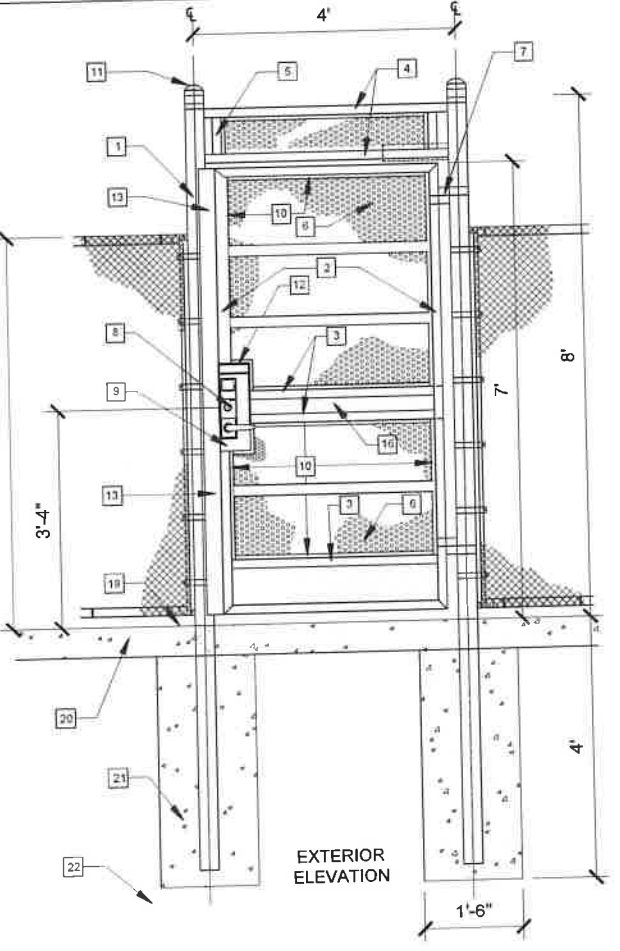
2 4' CHAIN LINK FENCE
N.T.S. RP DETAIL 502



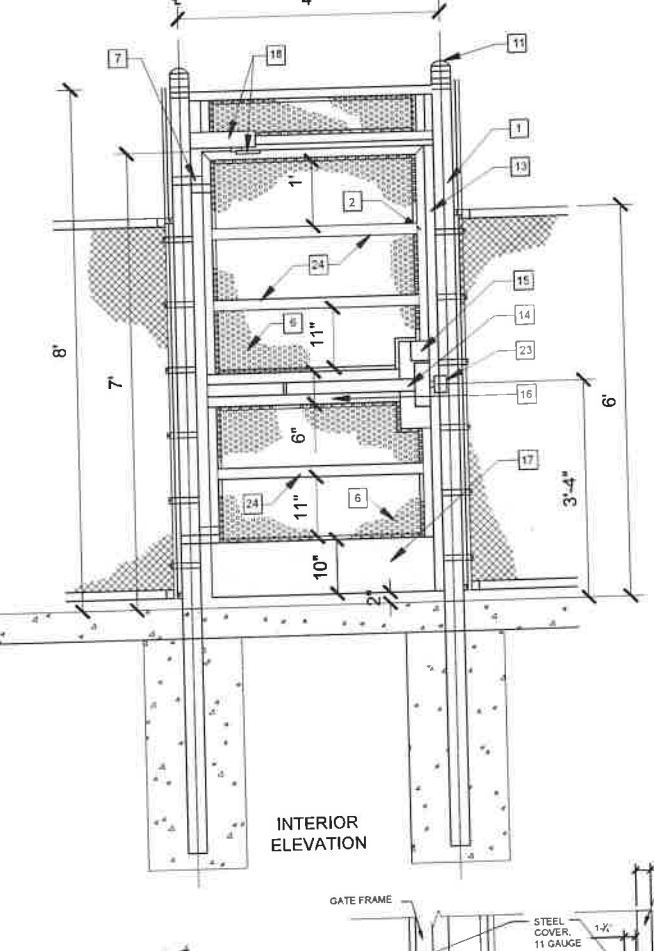
ELEVATION

- NOTES:**
- CHAIN LINK FENCE, GATE AND POST MATERIALS SHALL BE BLACK VINYL COATED TO MATCH CHAIN LINK FENCE.
 - ALL COMPONENTS SHALL CONFORM TO THE CHAIN LINK FENCE AND MISCELLANEOUS METAL CONSTRUCTION SECTION OF THE SPECIFICATIONS.
 - CONCRETE FOOTINGS SHALL BE ALLOWED TO SET FOR SEVEN DAYS PRIOR TO INSTALLATION OF GATES.

1 5' WIDE CHAIN LINK MAINTENANCE GATE
N.T.S. RP DETAIL 521

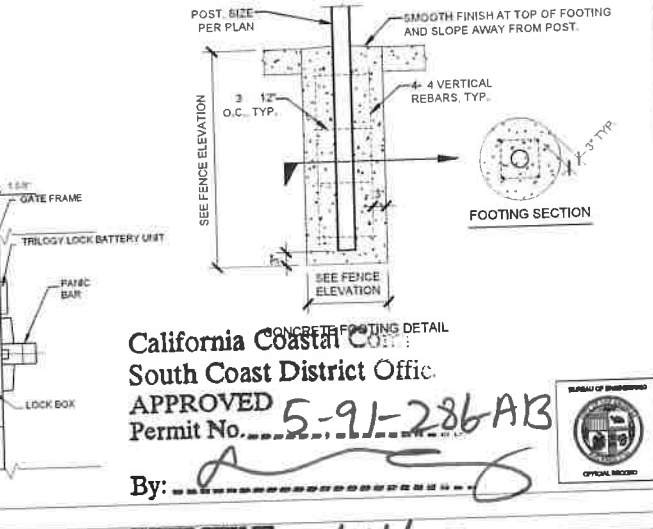


EXTERIOR ELEVATION



INTERIOR ELEVATION

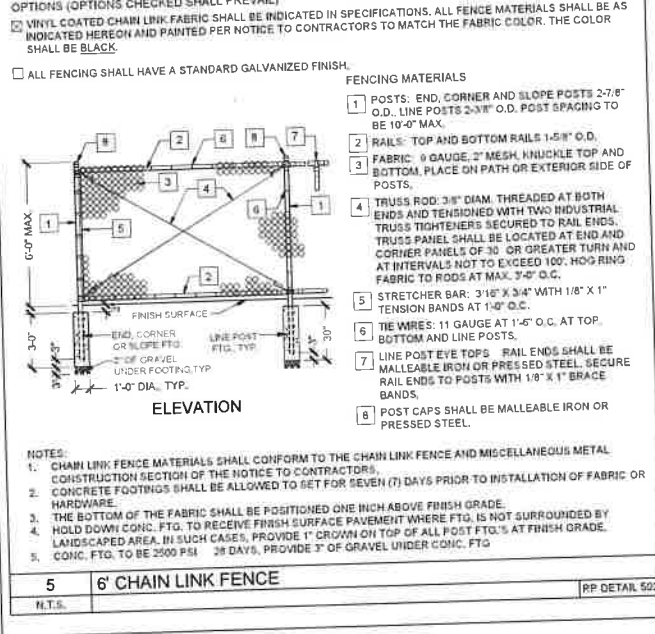
- GATE MATERIALS**
- POSTS: 3-1/2" O.D. WITH 12" DIA. X 4'-0" DEEP FOOTINGS.
 - GATE FRAMES: TOP, BOTTOM AND SIDE MEMBERS: 1-5/8" O.D., MITER GATE FRAME CORNERS, WELD AND GRIND SMOOTH.
 - GATE RAILS: MID RAILS, 1-5/8" O.D. WELD TO GATE FRAME SIDE MEMBERS AND STEEL LOCK BOX AND GRIND SMOOTH.
 - RAILS: TOP AND BOTTOM RAILS, 1-5/8" O.D., WELD TO POST.
 - SIDE MEMBERS: 1-5/8" O.D., WELD TO TOP AND BOTTOM RAILS.
 - PERFORATED METAL SHEET PANEL, 9 GAUGE, 1/8" ROUND ON 7/32" STAGGERED, CONTINUOUS WELD PERFORATED METAL SHEET ONTO 5/8" WIDE METAL FRAME. PLACE ON INTERIOR SIDE OF GATES.
 - HINGES: HEAVY DUTY COMMERCIAL HINGES WELD TO POSTS, 2 HINGES PER GATE, ONE AT TOP AND BOTTOM.
 - ALARM LOCK TRILOGY ET-DL-51G-24D-V19 KEYLESS CONTROL UNIT WITH ALARM LOCK ET-BIC/26D BEST KIT, SATIN CHROME FINISH.
 - 5-1/2" WIDTH X 16" LENGTH X 1-3/4" DEPTH STEEL BOX TO HOUSE TRILOGY LOCK ASSEMBLY. STEEL TO BE 1/2" THICK.
 - 5/8" WIDE GALVANIZED STEEL METAL BAR, 1/2" THICK, CONTINUOUS WELD TO GATE FRAME.
 - POST CAPS SHALL BE MALLEABLE IRON OR PRESSED STEEL.
 - TRILOGY LOCK STEEL COVER, 5-1/2" WIDE, 11 GAUGE THICK AROUND TRILOGY LOCK, WELD ONTO FACE OF LOCKING ASSEMBLY BOX ON ALL SIDES, SEE ENLARGED DETAILS, THIS SHEET.
 - 3" X 2 1/4" X 82" LATCH PROTECT METAL BAR, TACK WELD TO GATE FRAME FOR THE ENTIRE LENGTH OF LATCH SIDE OF GATE.
 - PANIC BAR ASSEMBLY, AVAILABLE THROUGH VON DUPRIN MODEL 199D 24D 48" OR APPROVED E. UAL, BATH CHROME FINISH.
 - TRILOGY LOCK BATTERY UNIT.
 - 1/2" THICK X 5" WIDTH, STEEL MOUNTING PLATE FOR PANIC BAR, WELD PLATE TO GATE MID RAILS AND FRAME AND LOCK BOX. LENGTH TO BE EQUAL TO WIDTH OF GATE FRAME.
 - 10" METAL KICK PLATE, 1/2" THICK (INSIDE OF PARK), WELD TO GATE FRAME ON PARK SIDE OF GATE.
 - GATE CLOSURE UNIT, AVAILABLE THROUGH LCN, MODEL 4040X/R-W/PA 669 OR APPROVED E. UAL.
 - PROVIDE A 1" CROWN AT TOP OF ALL POST FOOTINGS.
 - CONCRETE PAVING.
 - CONCRETE FOOTING, SEE DETAIL THIS SHEET.
 - 90 RELATIVE COMPACTED SUBGRADE.
 - GATE STRIKE, WELD TO POST.
 - 2" WIDE GALVANIZED STEEL METAL BAR 1/4" THICK, PLACE ON INTERIOR SIDE OF GATE OVER PERFORATED METAL SHEET PANEL, BEAD WELD 2" WIDE METAL BAR TO GATE FRAME AND PERFORATED METAL SHEET PANEL. LENGTH TO BE EQUAL TO WIDTH OF GATE.



California Coastal Co.
South Coast District Office
APPROVED
Permit No. 5-91-286AB
By: [Signature]
EFFECTIVE 7/14/22
Date: [Signature]

- NOTES:**
- CHAIN LINK FENCE, GATE AND POST MATERIALS SHALL BE BLACK VINYL COATED UNLESS NOTED. ALL COMPONENTS SHALL CONFORM TO THE CHAIN LINK FENCE AND MISCELLANEOUS METAL CONSTRUCTION SECTION OF THE SPECIFICATIONS.
 - CONCRETE FOOTINGS SHALL BE ALLOWED TO SET FOR SEVEN (7) DAYS PRIOR TO INSTALLATION OF FABRIC OR HARDWARE.
 - HOLD DOWN CONC. FTG. TO RECEIVE FINISH SURFACE PAVEMENT WHERE FTG. IS NOT SURROUNDED BY LANDSCAPED AREA. IN SUCH CASES, PROVIDE 1" CROWN ON TOP OF ALL POST FTG.'S AT FINISH GRADE.
 - CONCRETE FOOTING TO BE 2500 PSI 28 DAYS. PROVIDE 3" OF GRAVEL UNDER CONC. FOOTING.
 - PEDESTRIAN GATE SHALL BE COMPLIANCE WITH ALL FEDERAL AND STATE REQUIREMENT FOR ACCESSIBILITY OF DOORS AND GATES.
 - VERIFY FENCE AND GATE LAYOUT WITH RAP PROJECT LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
 - ALL MATERIALS HOT DIP GALVANIZED.

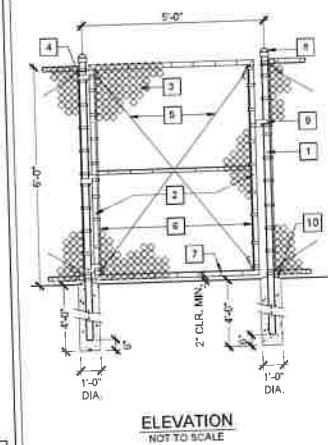
4 7' TALL X 4' WIDE CHAIN LINK SINGLE LEAF GATE WITH TRILOGY LOCK AND PANIC HARDWARE
N.T.S. RP DETAIL 504-2



ELEVATION

- NOTES:**
- CHAIN LINK FENCE MATERIALS SHALL CONFORM TO THE CHAIN LINK FENCE AND MISCELLANEOUS METAL CONSTRUCTION SECTION OF THE NOTICE TO CONTRACTORS.
 - CONCRETE FOOTINGS SHALL BE ALLOWED TO SET FOR SEVEN (7) DAYS PRIOR TO INSTALLATION OF FABRIC OR HARDWARE.
 - THE BOTTOM OF THE FABRIC SHALL BE POSITIONED ONE INCH ABOVE FINISH GRADE.
 - HOLD DOWN CONC. FTG. TO RECEIVE FINISH SURFACE PAVEMENT WHERE FTG. IS NOT SURROUNDED BY LANDSCAPED AREA. IN SUCH CASES, PROVIDE 1" CROWN ON TOP OF ALL POST FTG.'S AT FINISH GRADE.
 - CONC. FTG. TO BE 2500 PSI 28 DAYS. PROVIDE 3" OF GRAVEL UNDER CONC. FTG.

5 6' CHAIN LINK FENCE
N.T.S. RP DETAIL 502



ELEVATION

- NOTES:**
- CHAIN LINK FENCE, GATE AND POST MATERIALS SHALL BE BLACK VINYL COATED TO MATCH CHAIN LINK FENCE.
 - ALL COMPONENTS SHALL CONFORM TO THE CHAIN LINK FENCE AND MISCELLANEOUS METAL CONSTRUCTION SECTION OF THE SPECIFICATIONS.
 - CONCRETE FOOTINGS SHALL BE ALLOWED TO SET FOR SEVEN DAYS PRIOR TO INSTALLATION OF GATES.

6 6' TALL CHAIN LINK MAINTENANCE GATE
N.T.S. RP DETAIL 521

BUREAU OF ENGINEERING

DEPARTMENT OF PUBLIC WORKS

CITY OF LOS ANGELES

DATE: [Blank]

REVISIONS: [Blank]

INDEX NO. **D-35381**

ARCHITECT: **GARY LEE MOORE, PE, ENV SP** CITY ENGINEER

DESIGNED BY: MSAC

DRAWN BY: AS/BEK

CHECKED BY: MS/BS

APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

SHEET TITLE: **LANDSCAPE CONSTRUCTION DETAILS**

PROJECT: **POTRERO CANYON PARK**

ADDRESS: **15101, 15125 AND 15145 PACIFIC COAST HIGHWAY**

PACIFICA PALISADES, CA 90272

WORK ORDER NO. **E1908635**

PLAN FILE NO. **720**

DRAWING NO. **L407**

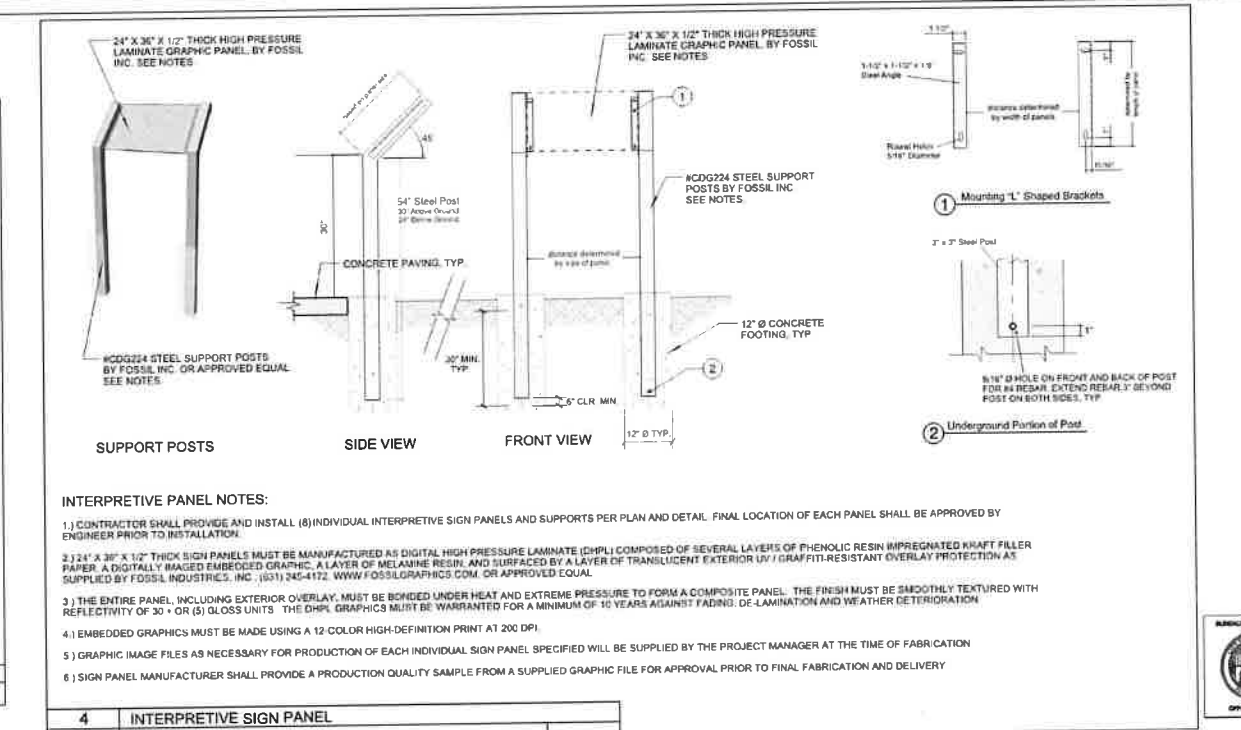
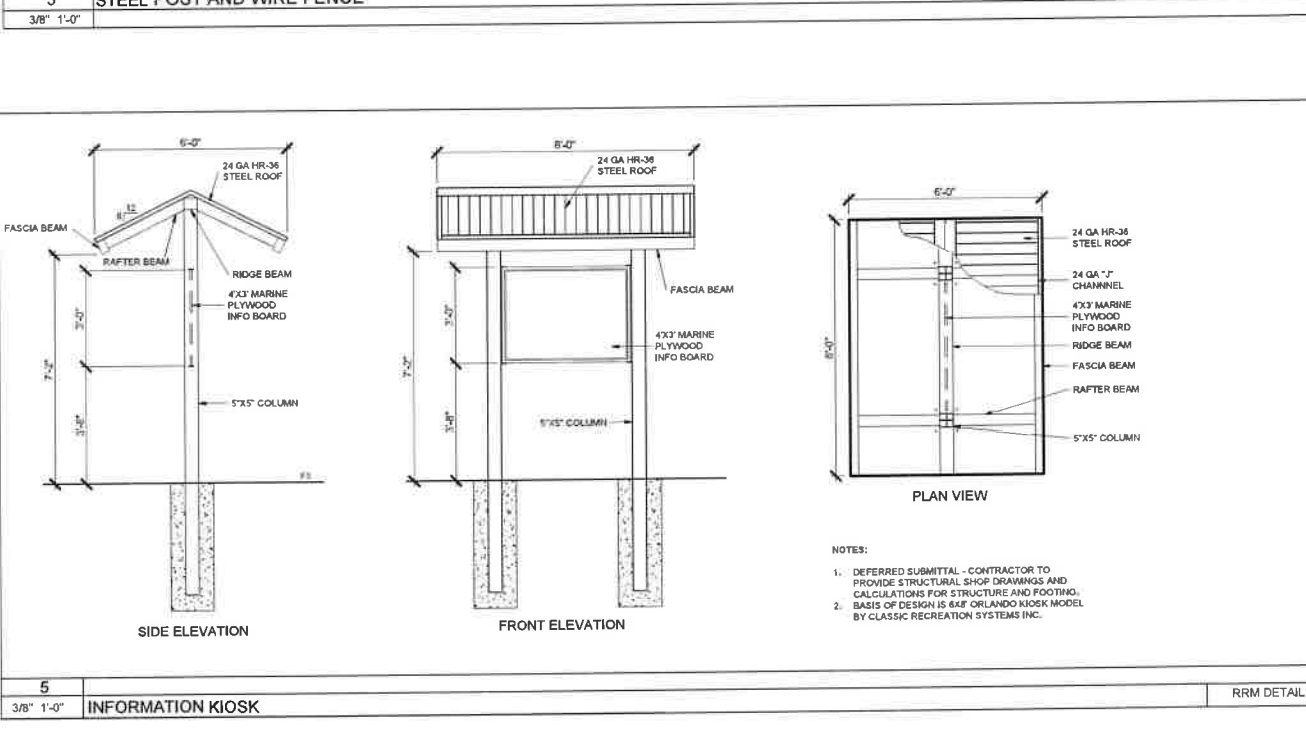
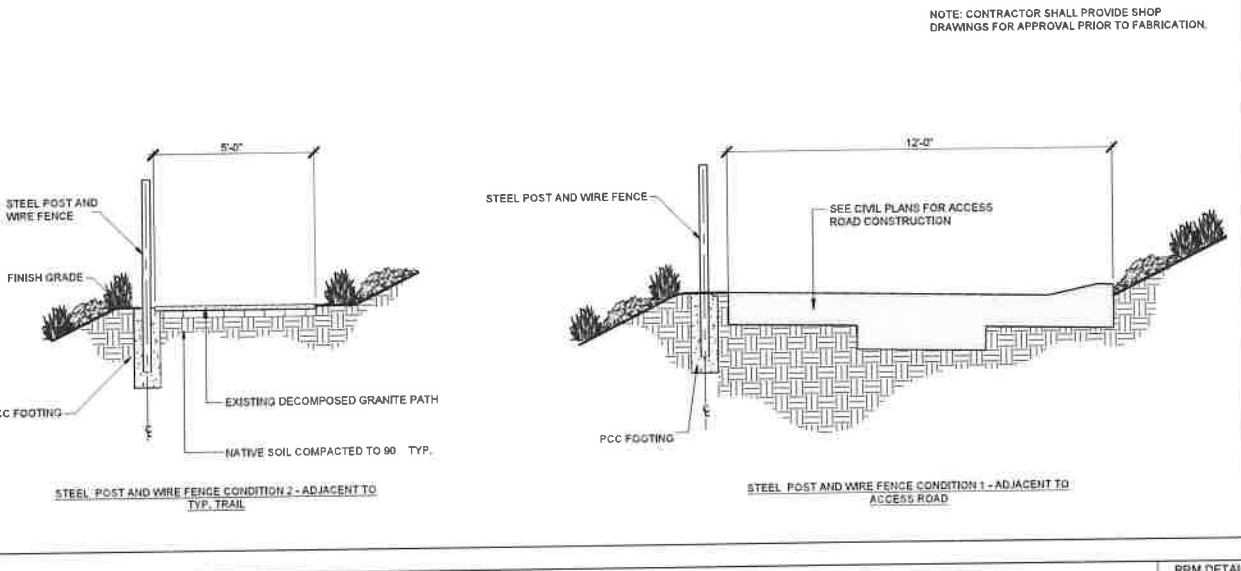
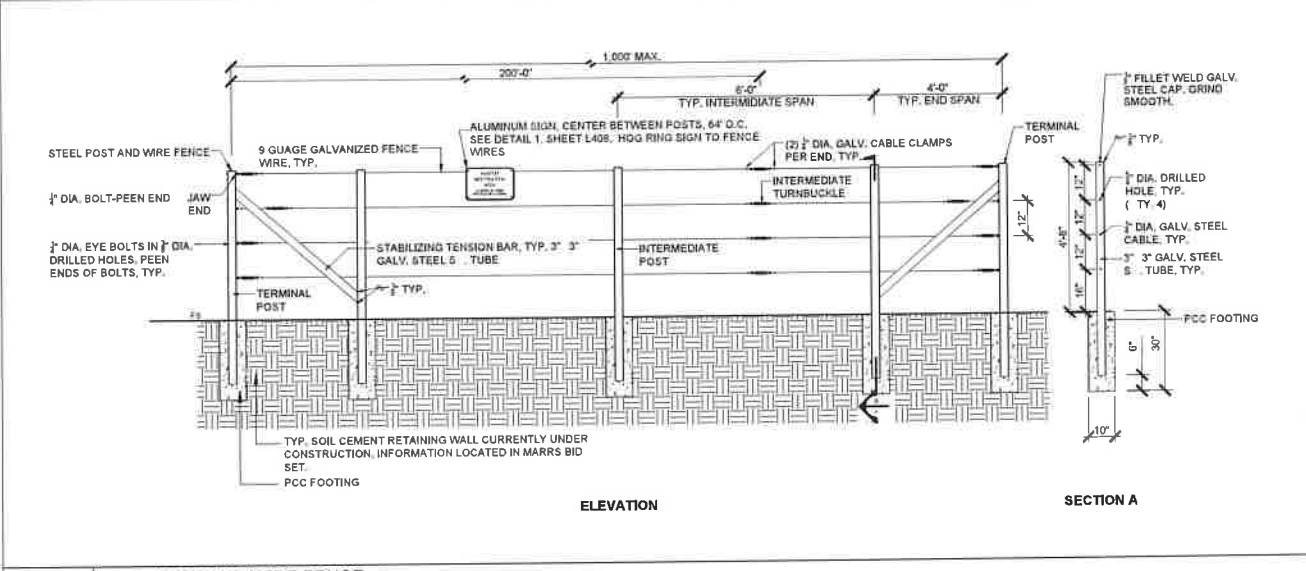
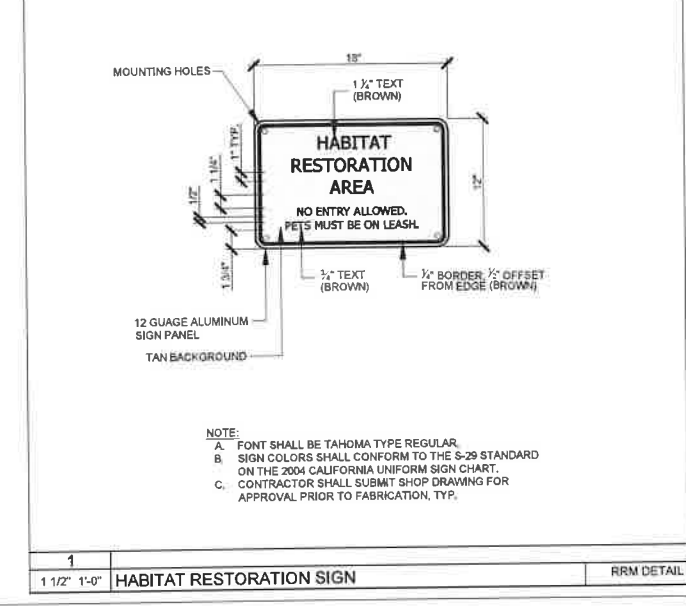
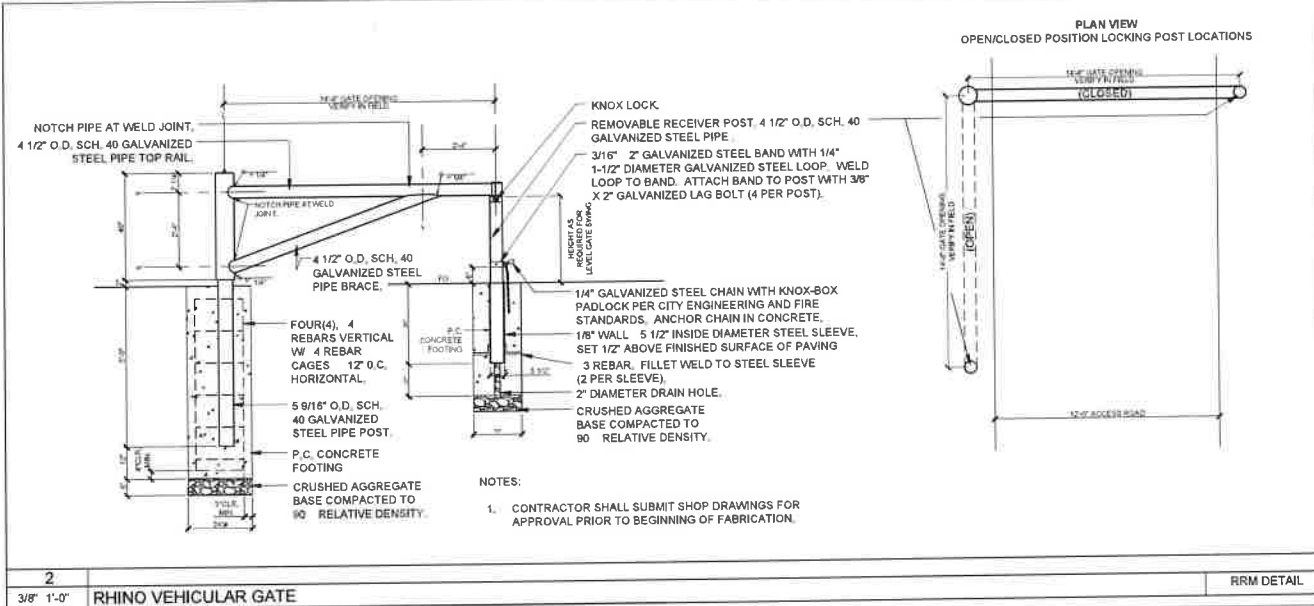
SHEET 35 OF 95

PLOTTED 15/11/22

TEMPLATE SHEET REVISION DATE: 06/20/14
REVISION DATE: 06/20/20 2:54 PM
FILE N: 2011.131107-POTRERO-CANYON-PARK-PLANNING-CONSTRUCTION-DOCUMENTS-AUTOCAD-1311307-CDDWG

California Coastal Commission
 South Coast District Office
 APPROVED
 Permit No. 5-91-286-A13

By: _____
 EFFECTIVE
 Date: 7/14/22



TEMPLATE SHEET REVISION DATE: 06/20/14
 REVISION DATE: 10/14/2020 3:54 PM
 FILE: N: 2011 1311037-POTRERO CANYON PARK PLANNING CONSTRUCTION DOCUMENTS AUTOCAD 1311 K74.CDWG
 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.

BUREAU OF ENGINEERING
DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

ARCHITECT: GARY LEE MOORE, PE, ENV SP CITY ENGINEER
 ARCHITECTURAL DIVISION
 DATE: _____
 DESIGNED BY: MS/AC
 DRAWN BY: MS/BC
 CHECKED BY: MS/RS
 APPROVED BY: MARIBOOD KARBINZADEH, A.I.A., PRINCIPAL ARCHITECT

WORK ORDER NO. E1908635
 PLAN FILE NO. 720
 SHEET TITLE: LANDSCAPE CONSTRUCTION DETAILS
 PROJECT: POTRERO CANYON PARK
 ADDRESS: 15101, 15125 AND 15145 PACIFIC COAST HIGHWAY
 PACIFICA FALLS, CA 90272

SHEET 36 OF 95
L408
 INDEX NO. **D-35381**
 BUILDING NO. _____





EXISTING COBBLE CHANNEL IS LINEAR IN SOME AREAS, AND DOES NOT PORTRAY THE NATURAL DESIRED AESTHETIC. THE STEPS BELOW SHALL BE TAKEN TO ACHIEVE A NATURAL LOOK.

1. EXISTING COBBLE CONDITIONS



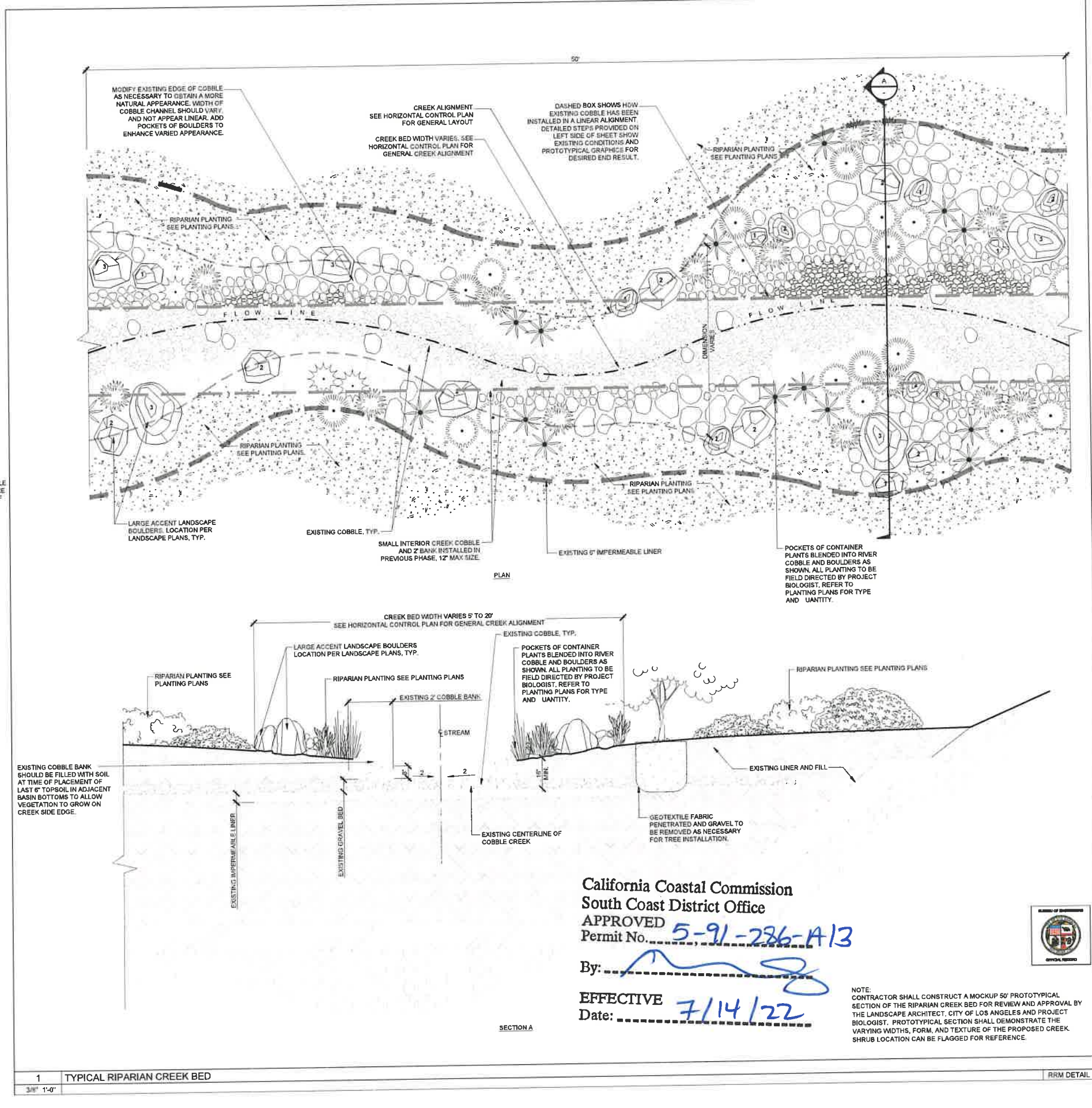
MODIFY EXISTING EDGE OF COBBLE AS NECESSARY TO OBTAIN A MORE NATURAL APPEARANCE. WIDTH OF COBBLE CHANNEL SHOULD VARY, AND NOT APPEAR LINEAR. ADD POCKETS OF BOULDERS TO ENHANCE VARIED APPEARANCE.

2. COBBLE AFTER ADJUSTMENTS



FILL TOPSOIL PLACED OVER COBBLE AND WASHED INTO GAPS TO PRODUCE ROUGHLY 2" MATRIX OF STONE AND SOIL. TO BE HYDROSEEDED AND IRRIGATED, WITH CONTAINER PLANTING PER DETAIL 1L409 PLANTING SHEETS

3. COBBLE AND SOIL FILL



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 Permit No. 5-91-286-A13
 By: [Signature]
 EFFECTIVE 7/14/22
 Date: _____

NOTE: CONTRACTOR SHALL CONSTRUCT A MOCKUP 50' PROTOTYPICAL SECTION OF THE RIPARIAN CREEK BED FOR REVIEW AND APPROVAL BY THE LANDSCAPE ARCHITECT, CITY OF LOS ANGELES AND PROJECT BIOLOGIST. PROTOTYPICAL SECTION SHALL DEMONSTRATE THE VARYING WIDTHS, FORM, AND TEXTURE OF THE PROPOSED CREEK. SHRUB LOCATION CAN BE FLAGGED FOR REFERENCE.

1 TYPICAL RIPARIAN CREEK BED
 3/8" 1'-0"



BUREAU OF ENGINEERING

ENGINEERING

CITY OF LOS ANGELES

DATE: _____

INDEX NO. **D-35381**

BUILDING NO. _____

DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER

ARCHITECT: _____

DESIGNED BY: MS/AC

DRAWN BY: MS/BA

CHECKED BY: MS/BS

APPROVED BY: MARKOOD/ARM/MS/BA/AL/3, PRINCIPAL ARCHITECT

VERTICAL CONTROL: _____

HORIZONTAL CONTROL: _____

SHEET TITLE: **LANDSCAPE CONSTRUCTION DETAILS**

PROJECT: **POTRERO CANYON PARK**

ADDRESS: **15101, 15125 AND 15148 PACIFIC COAST HIGHWAY**
PACIFICA PALISADES, CA 90272

WORK ORDER NO. **E1908635**

PLAN FILE NO. **720**

DRAWING NO. **L409**

SHEET **37** OF **95**

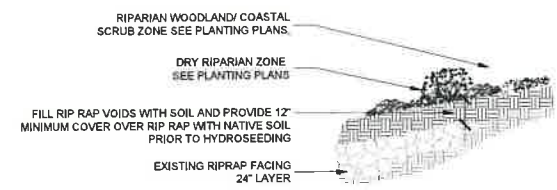
PLOTTED 10-16-2020

TEMPLATE SHEET REVISION DATE: 06/20/14
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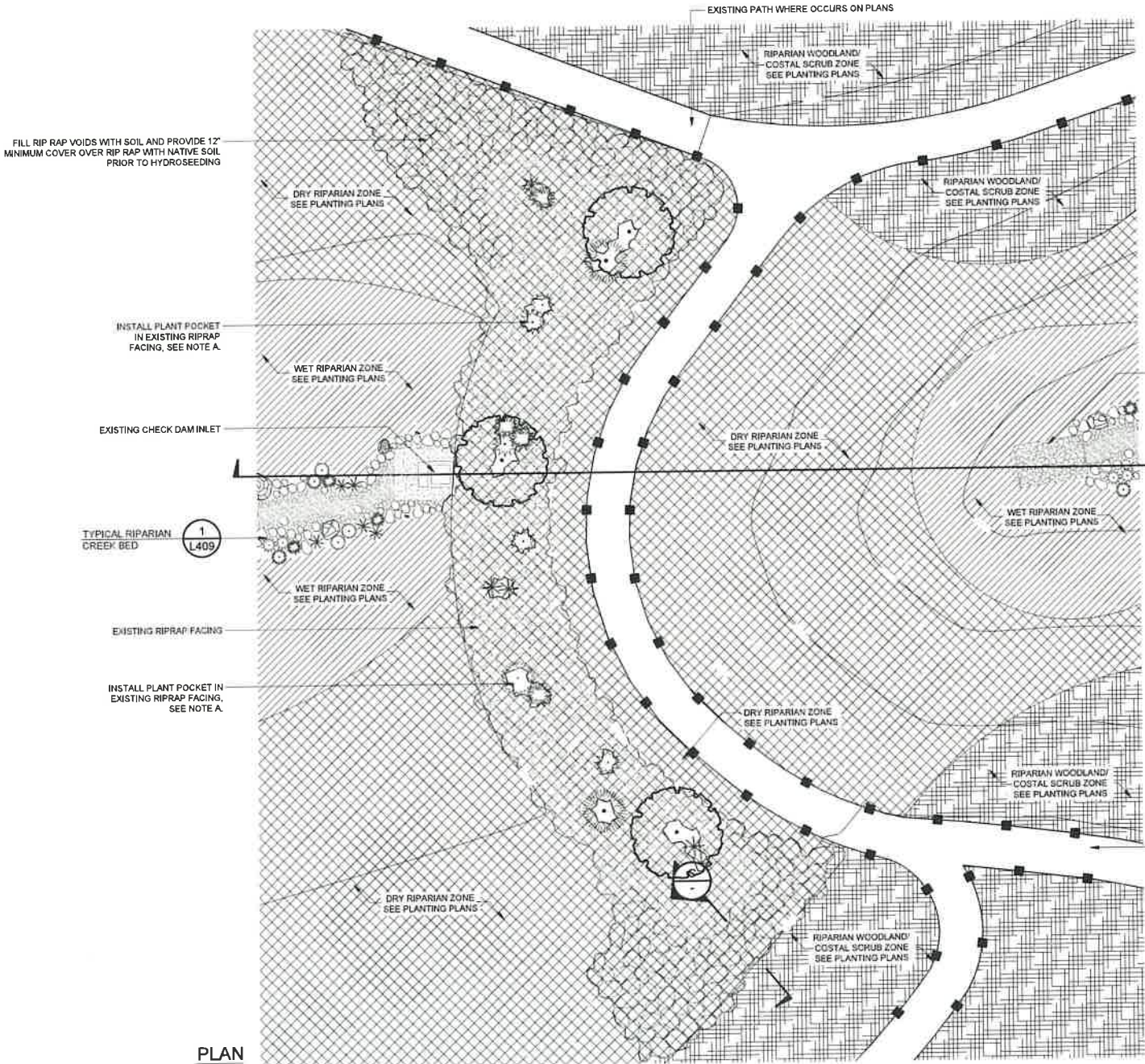
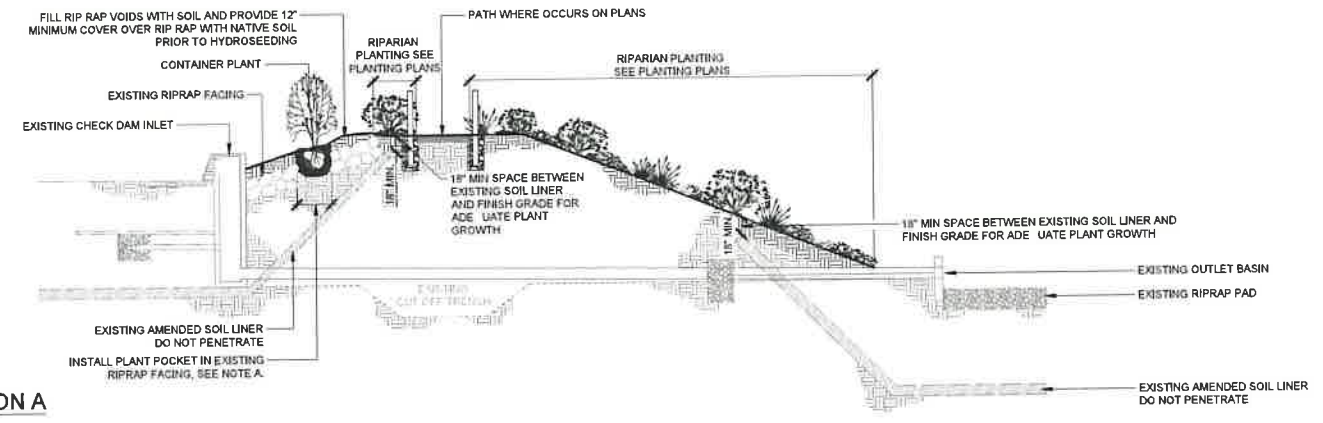
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SECTION C



SECTION A



California Coastal Commission
 South Coast District Office
APPROVED
 Permit No. 5-91-296-A13
 By: *[Signature]*
 EFFECTIVE 7/14/22
 Date: 7/14/22

NOTES:
 A. PLANT PIT TO BE EXCAVATED TO 1.5 TIMES THE ORIGINAL CONTAINER DEPTH AND 2 TIMES THE DIAMETER OF THE ORIGINAL CONTAINER. CONTRACTOR TO REMOVE RIPRAP TO CONSTRUCT PLANT POCKET.
 B. PLANT LOCATIONS ARE SHOWN FOR GENERAL PURPOSES ONLY. BIOLOGISTS TO DETERMINE FINAL PLANT LOCATIONS IN FIELD.
 C. CONTRACTOR SHALL CONSTRUCT SAMPLE AT ONE CHECK DAM TO BE REVIEWED AND APPROVED BY LANDSCAPE ARCHITECT, CITY OF LOS ANGELES, AND PROJECT BIOLOGIST FOR OVERALL AESTHETICS INCLUDING THE CHECK DAM PLANT POCKETS AND BURIED RIPRAP FACING.



1	TYPICAL CHECK DAM
1/8" 1'-0"	

BUREAU OF ENGINEERING

DEPARTMENT OF PUBLIC WORKS

CITY OF LOS ANGELES

OFFICIAL RECORD

DATE BY: _____

BUILDING NO. _____

INDEX NO. **D-35381**

ARCHITECT: **GARY LEE MOORE, PE, ENV SP** CITY ENGINEER ARCHITECTURAL DIVISION

DATE: _____

LIC. NO. _____

DESIGNED BY: MS/AC

DRAWN BY: KSEK

CHECKED BY: MSK'S

APPROVED BY: MAMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

SHEET TITLE: **LANDSCAPE CONSTRUCTION DETAILS**

PROJECT: **POTRERO CANYON PARK**

ADDRESS: **15101, 15125 AND 15145 PACIFIC COAST HIGHWAY**

PACIFICA PALISADES, CA 90272

WORK ORDER NO. **E1908635**

PLAN FILE NO. **720**

DRAWING NO. **L410**

SHEET **38** OF **75**

PLOTTED: 10/16/2020

IRRIGATION NOTES

- CONTRACTOR SHALL SLEEVE UNDER PAVING PER PLANS AND SPECIFICATIONS. TWICE (2X) THE SIZE OF PIPE ENCLOSED. PIPE SLEEVE SIZE SHALL ALLOW FOR IRRIGATION PIPING, 2-WIRE CONDUIT, AND THEIR RELATED COUPLINGS TO EASILY SLIDE THROUGH SLEEVING MATERIAL. EXTEND ALL SLEEVES 18" BEYOND EDGE OF PAVING. SLEEVES SHALL BE PROVIDED FOR CONTROLLER WIRES ALONG MAINLINE. TYPICAL.
- IRRIGATION PLAN IS DIAGRAMMATIC. FINAL LOCATION OF PIPING WILL BE DETERMINED AT THE TIME OF INSTALLATION. MAINLINE AND LATERALS SHALL BE PLACED IN THE SAME TRENCH WHEN POSSIBLE. ALL O.C. VALVES ARE TO BE LOCATED 12" FROM SIDEWALKS, CURBS, ASPHALT & CONCRETE SURFACES.
- ALL EQUIPMENT REQUIRED BUT NOT SPECIFIED ON THE DRAWING, TO COMPLETE THE WORK, SHALL BE PROVIDED BY THE IRRIGATION CONTRACTOR.
- INSTALL ALL EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND/OR SPECIFICATIONS. UNLESS INDICATED OTHERWISE IN DETAIL AND SPECIFICATIONS.
- CONTRACTOR SHALL COORDINATE POWER TO CONTROLLERS AND DEDICATE ONE (1) 20 AMP BREAKER FOR EACH CONTROLLER. THE PROJECT MANAGER SHALL REVIEW CONTROLLER LOCATIONS PRIOR TO INSTALLATION. 120 VOLT SERVICE AND HOOK-UP TO THE CONTROLLER SHALL BE COMPLETED BY A LICENSED ELECTRICAL CONTRACTOR. THIS COST IS TO BE A PART OF THE LANDSCAPE CONTRACTOR'S BID.
- CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING IRRIGATION FOCUSED MEETING WITH CITY, LANDSCAPE ARCHITECT, AND CONTROLLER MANUFACTURER'S REPRESENTATIVE.
- CONTRACTOR SHALL SCHEDULE AND COORDINATE MEETING FOR PROGRAMMING AND START UP OF CONTROLLER WITH MANUFACTURER'S REPRESENTATIVE ON SITE.
- CONTRACTOR SHALL COORDINATE AND PREPURCHASE CONTROLLER 5 YEAR COMMUNICATION SERVICE PLAN, CONNECTIVITY AND STARTUP WITH MANUFACTURER AND OWNER.
- CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE PLANS AND SITE CONDITIONS PRIOR TO BEGINNING WORK. SHOULD CONFLICTING INFORMATION BE FOUND ON THE PLANS, THE CONTRACTOR SHALL NOTIFY THE PROJECT LANDSCAPE ARCHITECT BEFORE PROCEEDING WITH THE WORK IN QUESTION.
- DO NOT WILLFULLY INSTALL THE IRRIGATION SYSTEM AS SHOWN ON THE DRAWINGS WHEN IT IS OBVIOUS IN THE FIELD THAT OBSTRUCTIONS, GRADE DIFFERENCES OR DIFFERENCES IN THE AREA DIMENSIONS EXIST THAT MIGHT NOT HAVE BEEN CONSIDERED IN THE ENGINEERING. SUCH OBSTRUCTIONS OR DIFFERENCES SHOULD BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT. IN THE EVENT THIS NOTIFICATION IS NOT PERFORMED, THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY REVISIONS NECESSARY AT NO EXPENSE TO THE OWNER.
- CONTRACTOR SHALL ADJUST HEADS AS NEEDED TO MINIMIZE OVERSPRAY ONTO HARDSCAPE AREAS.
- SPLICING OF 24 VOLT WIRES WILL NOT BE PERMITTED EXCEPT IN VALVE BOXES AND FULL BOXES PER DETAILS. LEAVE A 24" COIL OF EXCESS WIRE AT EACH SPLICE. LABEL ALL WIRES W/ WATERPROOF MARKERS AT ALL SPLICES. PULL BOXES AND VALVE MANIFOLDS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF ALL MATERIAL APPEARING ON PLAN.
- PROVIDE SHUTOFF VALVE FOR EACH VALVE MANIFOLD PER DETAIL.
- ALL EXISTING UTILITIES, WATER LINES AND FIRE HYDRANTS SHALL REMAIN CONNECTED AND IN FULL CONTINUOUS OPERATION DURING AND FOLLOWING ALL CONTRACT WORK.
- CONTRACTOR SHALL MAKE ALL NECESSARY ADJUSTMENTS TO THE IRRIGATION SYSTEM FOLLOWING A PRECIPITATION TEST PER THE OWNER. ADJUSTMENTS SHALL INCLUDE BUT WILL NOT BE LIMITED TO: HEAD RELOCATION, CHANGING NOZZLES, AND ADJUSTING ARC PATTERNS TO ATTAIN 65% EFFICIENT UNIFORMITY AS REQUIRED BY THE OWNER.
- LANDSCAPE CONTRACTOR TO COORDINATE WITH GENERAL CONTRACTOR PRIOR TO DEMOLITION OR PROTECTION OF EXISTING MAINLINE AND CONTROLLER WIRE FOR FUTURE USE.
- IF THE INTENT IS TO DEMO ANY IRRIGATION EQUIPMENT IN NEW CONSTRUCTION AREA, LANDSCAPE CONTRACTOR SHALL SUPPLY ALL NEW MAINLINE AND CONTROL WIRE TO NEW REMOTE CONTROL VALVE AS DESIGNED PER THIS PLAN. TYPICAL.
- ALL NEW IRRIGATION BOXES, AND ADDITIONAL BOXES NECESSARY FOR RETROFITS SHALL BE LOCATED IN PLANTING AREAS 18" MIN. AWAY FROM ADJACENT PAVING AND 5' MIN. AWAY FROM IMMEDIATE BUILDING ENTRIES.
- CONTRACTOR SHALL NOT INSTALL ANY PLANTING UNTIL THE FOLLOWING ARE COMPLETED: 1. THE IRRIGATION SYSTEM SHALL BE FULLY OPERATIONAL. 2. HYDROSTATIC PRESSURE TESTS SHALL BE PERFORMED ON MAIN AND LATERAL LINES. 3. ALL ZONES SHALL PASS A COVERAGE TEST. 4. CONTROLLERS SHALL BE FULLY OPERATIONAL.
- THE WEATHER SENSOR CARTRIDGE SHALL BE INSTALLED ON CONTROLLER PER MANUFACTURER'S INSTRUCTIONS TO ALLOW FOR WEATHER SENSOR COMMUNICATION.
- PROVIDE TRACER WIRE FOR ALL PVC MAINLINES, TYPICAL.
- ALL TRENCHES SHALL BE COMPACTED WITH SECONDARY COMPACTED FILL.
- SOIL SPOILS FROM PLANT POCKETS, OR ANY OTHER EXCAVATION, SHALL NOT BE LEFT ON OR TRACKED ON SLOPES.
- CONTRACTOR TO ADJUST HEADS ADJACENT TO ROAD AND PATHS TO ACCOUNT FOR AND PREVENT OVERSPRAY ON DOWNHILL SLOPES.
- CONTRACTOR TO INSTALL THRUST BLOCKS IN ALL LOCATIONS WHERE FITTINGS AND OR ISOLATION VALVE INSTALLATIONS RESULT IN A POTENTIAL FOR WATER HAMMER SUCH AS A CHANGE IN DIRECTION OF WATER FLOW, THRUST BLOCK AND RESTRAIN PRESSURE REDUCERS. SEE DETAIL 2 ON L616.
- CONTRACTOR SHALL FAMILIARIZE THEMSELVES WITH AND SHALL FOLLOW PROCEDURES, WORK PLAN, REQUIREMENTS, INSTALLATION, MAINTENANCE AND MEASURES AS STATED IN THE FINAL COMPENSATORY HABITAT MITIGATION AND MONITORING PLAN FOR THE POTRERO CANYON PARK DEVELOPMENT PROJECT DATED MAY 2016.
- CONTACT MANUFACTURER'S REPRESENTATIVE REGARDING CERTIFICATION OF EXTENDED 5 YEAR WARRANTY BASED ON INSTALLATION OF THEIR PRODUCTS.
- CONTRACTOR TO SET RUN TIMES AND SCHEDULE TO PREVENT SOIL SATURATION AND EROSION.
- CONTRACTOR TO UTILIZE CYCLE AND SOAK BREAK INTO 5-10 MINUTE MAX OR WHAT THE SOIL CAN CAPTURE, WHICHEVER IS LESS.
- CHECK VALVES SHOWN ON PLANS FOR REFERENCE. CONTRACTOR TO FIELD VERIFY FINAL LOCATIONS AND INSTALL IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
- PER COASTAL DEVELOPMENT PERMIT 5-91-286-A13, SPECIAL CONDITION 21B ALL PROPOSED IRRIGATION LINES HAVE BEEN CONSTRUCTED AT THE TIME OF AMENDMENT 13. THE IRRIGATION LINES WERE DESIGNED TO BE TEMPORARY AND WERE INSTALLED ABOVE-GROUND WHERE POSSIBLE.

FOR PERMITTING REFERENCE ONLY

- LABC SECTION 7012.2.2 PLANT SPACING REQUIREMENTS ARE APPROXIMATELY 436 CONTAINER PLANTS PER ACRE OR 1 PLANT EVERY 10-FT O.C.
- ALL PLANTING AREAS ARE HYDROSEEDED WITH A MIXTURE OF ANNUAL AND PERENNIAL/SHRUBBY SPECIES IN ADDITION TO THE CONTAINER PLANTING.
- AN ALTERNATIVE PLANT SPACING FOR THE FUEL MODIFICATION ZONE AND COASTAL BLUFF SCRUB IS BEING PROVIDED FOR LABC SEC. 7012.2.2 TO MEET LAFD BRUSH CLEARANCE REQUIREMENTS AND APPROVED COASTAL DEVELOPMENT PERMIT PLANS. PLEASE REFERENCE THE APPROVED HMMP PLAN UNDER COASTAL DEVELOPMENT PERMIT NO. 5-91-286.

ZONE	ACRES	CONTAINER PLANT QTY.	APPROX. PLANT SPACING PER ACRE
Fuel Modification Zone	14.5	2593	178*
Coastal Bluff Scrub	3.8	1622	426*
Riparian Adjacent Woodlands / Coastal Scrub Transition	7.0	3649	521
Dry Riparian	5.9	2843	481
Wet Riparian	2.7	1480	548

*FUEL MODIFICATION ZONE AND COASTAL BLUFF SCRUB ARE MORE SPARSELY PLANTED TO MEET THE LAFD BRUSH CLEARANCE STANDARDS AND INCLUDES SMALL ISLANDS OF GROUPED PLANTING WITH A WIDER SPACE BETWEEN EACH ISLAND. THE REST OF THIS AREA IS HYDROSEEDED ONLY, AND IS REQUIRED TO BE CUT TO A VERY LOW HEIGHT SEASONALLY FOR FIRE PREVENTION. THE SEED MIX WILL INCLUDE ENOUGH PERENNIAL/SHRUBBY SPECIES TO BRING THE TOTAL COVER FOR EACH AREA AT/EXCEEDING THE 10' O.C. SPACING ON AVERAGE, AND WILL PROVIDE GOOD WINTER EROSION CONTROL WITH THE ANNUAL WILDFLOWER SPECIES COMBINED WITH THE CONTAINER PLANTING TO MEET THE INTENT OF THE LADBS REQUIREMENT.

IRRIGATION NOTES (2-WIRE)

- 2-WIRE CONDUIT SHALL BE LOCATED ALONG ALL IRRIGATION MAINLINE. TYPICAL AND INSTALLED IN 1.25" MINIMUM SCH 80 PVC CONDUIT WITH FULL BOXES MAX 150 FEET APART PER BDE STANDARD DETAIL. INCREASE CONDUIT SIZE IN ANY LOCATIONS WITH MORE THAN ONE 2-WIRE PATH.
- ALL CONTROL WIRES LEADING FROM VALVES TO CONTROLLER SHALL BE LOOPED-UP A MINIMUM OF 30" INTO EVERY VALVE BOX INTERCEPTED ON THE WAY TO THE CONTROLLER. WIRE SHALL BE POLYETHYLENE DOUBLE-JACKETED OR UF-8 UL PVC DOUBLE-JACKETED TWO-CONDUCTOR SOLID CORE DESIGN FOR DIRECT BURIAL WITH INSULATION $\frac{1}{8}$ " (1.607) THICK, HIGH DENSITY, SUNLIGHT RESISTANT INCASED IN AN OUTER JACKET OF POLYETHYLENE OR PVC CONFORMING TO ICEA 5-GI-402 OR NEWA WCS. HAVING A MINIMUM WALL THICKNESS OF .045 INCHES. ALL WIRE INSULATION SHALL BE INTACT AND FREE OF NICKS AND CUTS (TWO-WIRE POLYETHYLENE "TWISTED" CABLE DOES NOT CONFORM TO THESE SPECIFICATIONS). ALL WIRE CONNECTIONS NEED TO BE ABSOLUTELY WATER TIGHT. EACH CONTROLLER SHALL HAVE A DIFFERENT WIRE JACKET COLOR, AND THAT COLOR SHALL BE INDICATED BY CONTRACTOR ON THE AS-BUILT DRAWINGS.
- WIRING SIZES: STANDARD WIRE LENGTHS FOR STRAIGHT LINE INSTALLATION. LE WIRE DISTANCE TO THE FURTHEST DEVICE WITHOUT ANY LOOP. WIRE SIZE CHART PROVIDED BELOW IS FOR REFERENCE ONLY. 14 GA WIRE OR LARGER IS ALWAYS RECOMMENDED. MAXIMUM 14 GA WIRE LINEAL FOOTAGE FROM DECODERS TO VALVE SOLENOID IS 20 FEET.

WIRED SIZE (GAUGE)	#14	#12
TOTAL LOOP WIRE	10,000	15,000
LF DISTANCE TO FURTHEST VALVE	5,000	7,400
- DECODER MODULES: CONTRACTOR TO SELECT AND INSTALL RAINBIRD DECODER MODULES ON STATION SIZE AND INSTALL PER MANUFACTURER'S RECOMMENDATIONS. ATTACHING DECODERS BY TWISTING WIRES TO PROVIDE A SOLID MECHANICAL CONNECTION BEFORE SECURING THE ATTACHMENT BY ADDING THE WIRE HUT IN THE GEL-FILLED CAP (DERTY-6 OR APPROVED EQUAL WATERPROOF BY MANUFACTURER). CONTRACTOR SHALL ADHERE TO ALL LOCAL AND NATIONAL BUILDING AND ELECTRICAL CODES.
- WHENEVER A SPLICE OR CONNECTION IS MADE, IT IS IMPORTANT TO LEAVE ADEQUATE SLACK IN THE WIRES. LEAVE 5 FT/1.5 M SLACK TO PREVENT CONTRACTION OF THE WIRE FROM DAMAGING THE CONNECTIONS, AND TO ALLOW THE SPLICES TO BE REMOVED FROM THE VALVE BOX FOR SERVICE OR INSPECTION.
- INSTALL (1) SINGLE STATION DECODER AT THE MASTER VALVE.
- INSTALL (1) SD-210 SENSOR DECODER AT THE FLOW SENSOR.
- CONTROLLER SHALL BE HARD WIRED WITH DATA, AND CONTAIN ALL MANUFACTURER'S RECOMMENDED ACCESSORIES AND COMPONENTS TO FACILITATE A COMPLETE TWO-WIRE SYSTEM.
- CONTROLLER SHALL BE GROUNDED PER MANUFACTURER'S REQUIREMENTS.
- MAX DISTANCE 20' BETWEEN STATION DECODER AND VALVE, OR 10' POC DECODER AND MASTER VALVE AND FLOW METER(S).
- TWO WIRE PATH SHALL BE PAIGE CABLE P-7354-D OR RAINBIRD REGENCY CABLE AND INSTALLED CONDUIT. MAXIMUM TOTAL OF ALL RUNS IS 7,000 FEET.
- CONTROLLER SHALL BE RAINBIRD AS SPECIFIED. DECODERS SHALL BE RAINBIRD TO COMMUNICATE WITH CONTROLLER. ALL ACCESSORY EQUIPMENT SUCH AS TWO WIRE LOOP, LIGHTING ARRESTOR AND GROUNDING SHALL CONFORM TO RAINBIRD MANUFACTURER'S RECOMMENDATIONS.
- LSF-1 SURGE PROTECTOR DECODERS SHALL BE INSTALLED AT EVERY 8TH DECODER OR EVERY 500' WHICH EVER IS SHORTER. THE FINAL DECODER IN ANY WIRE RUN SHOULD BE GROUNDED.
- DECODER GROUNDING HARDWARE SHOULD ALWAYS BE CONNECTED. INSTALL THE GROUNDING WIRE AND EARTH GROUND HARDWARE AT RIGHT ANGLES FROM THE TWO-WIRE PATHS, WHEN POSSIBLE.
- PRIOR TO INSTALLATION IN THE FIELD, ALL DECODERS SHOULD BE PROGRAMMED ACCORDING TO THE INTENDED VALVE THEY WILL BE INSTALLED WITH. PROGRAMMING SHOULD TAKE PLACE AT THE CONTROLLER OR WITH THE UTILIZATION OF A HANDHELD PROGRAMMING DEVICE.

California Coastal Commission
South Coast District Office

APPROVED
Permit No. 5-91-286-A13

By: 

EFFECTIVE
Date: 7/14/22

BUREAU OF ENGINEERING

CITY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS

DRAFT 100% CONSTRUCTION DOCUMENTS

CITY OF LOS ANGELES

VERTICAL CONTROL

HORIZONTAL CONTROL

SHEET TITLE: IRRIGATION NOTES

PROJECT:

ADDRESS:

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO.
L600

SHEET OF SHEETS

DATE:

NO. REVISIONS:

BUILDING NO.

INDEX NO.

ARCHITECT
GARY LEE MOORE, PE, ENV SP CITY ENGINEER

ARCHITECTURAL DIVISION

LIC. NO.

DESIGNED BY: MSAC

DRAWN BY: NSTOT

CHECKED BY:

APPROVED BY: MAHMOOD KARIMZADEH, AIA, PRINCIPAL ARCHITECT

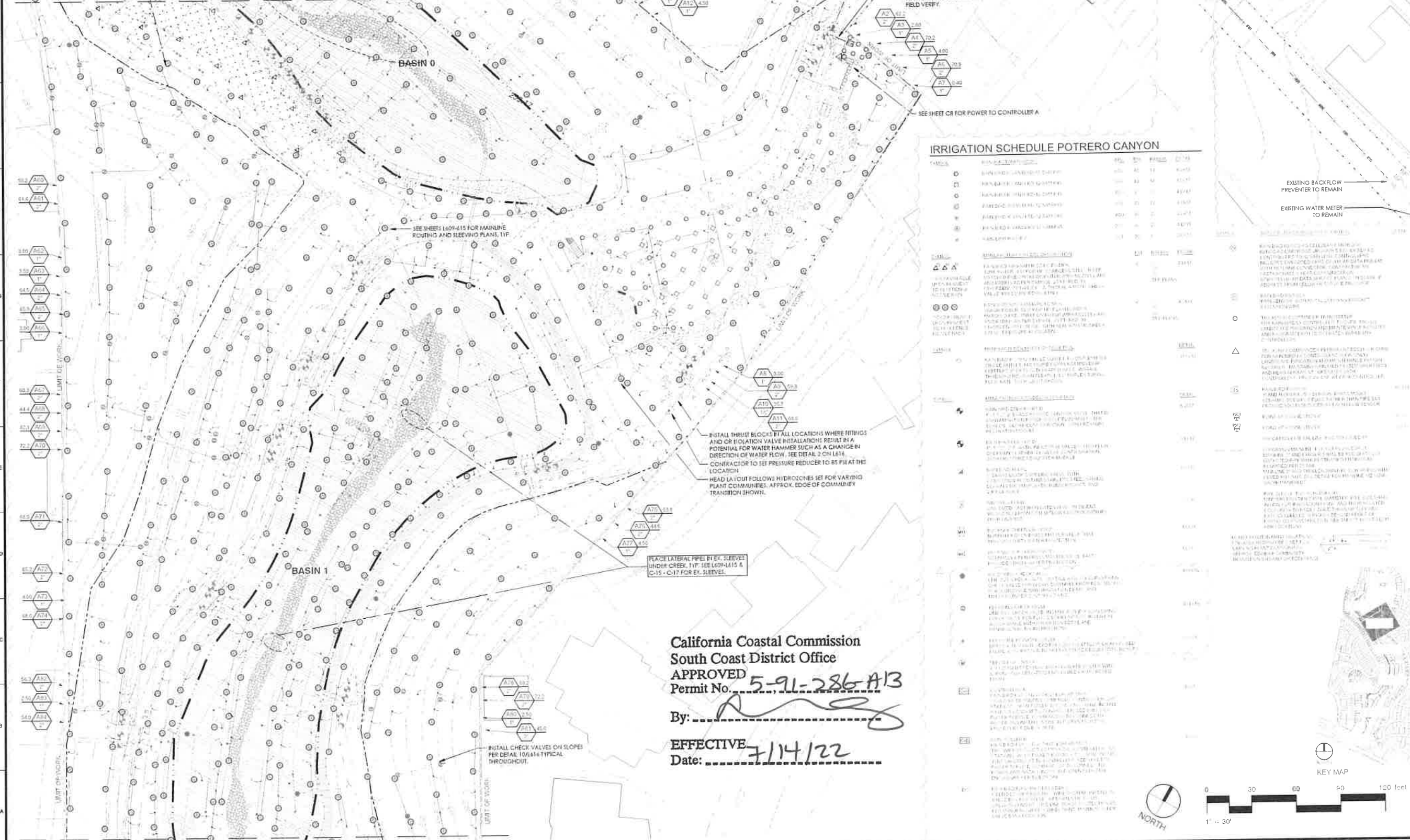
PLOTTED: 10/15/2018

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.

PER COASTAL DEVELOPMENT PERMIT 5-91-286-A13, SPECIAL CONDITION 21B ALL PROPOSED IRRIGATION LINES HAVE BEEN CONSTRUCTED AT THE TIME OF AMENDMENT 13. THE IRRIGATION LINES WERE DESIGNED TO BE TEMPORARY AND WERE INSTALLED ABOVE-GROUND WHERE POSSIBLE.

HEAD LAYOUT FOLLOWS HYDROCHNEI SET FOR VARYING PLANT COMMUNITIES APPROX. EDGE OF COMMUNITY TRANSITION SHOWN.
 PLACE LATERAL PIPES IN EX. SLEEVES UNDER CREEK, TYP. SEE L609-L615 & C-15 - C-17 FOR EX. SLEEVES.

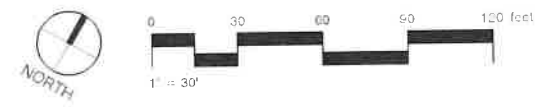
MATCHLINE - SEE SHEET L601



IRRIGATION SCHEDULE POTRERO CANYON

LINE NO.	DESCRIPTION	SIZE	DEPTH	LENGTH	DATE
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California Coastal Commission
 South Coast District Office
 APPROVED 5-91-286-A13
 Permit No. 5-91-286-A13
 By: [Signature]
 EFFECTIVE 7/14/22
 Date: 7/14/22



BUREAU OF ENGINEERING
 ENGINEERING
 CITY OF LOS ANGELES

DATE BY: _____
 NO. REVISIONS: _____

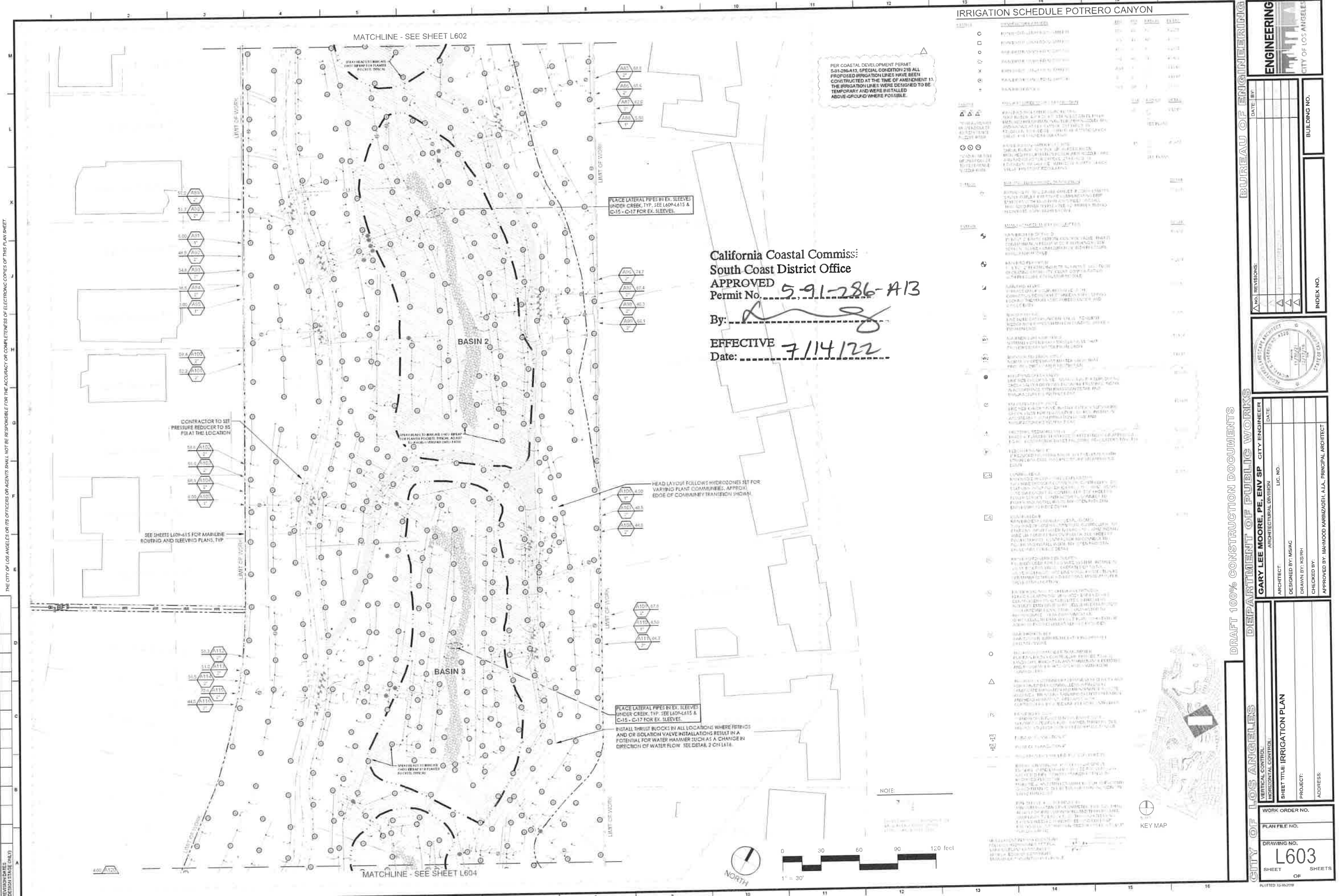


DEPARTMENT OF PUBLIC WORKS
 GARY LEE MOORE, PE, ENV SP, CITY ENGINEER
 ARCHITECTURAL DIVISION
 DATE: _____
 L.C. NO.: _____
 DESIGNED BY: NSHC
 DRAWN BY: RSRH
 CHECKED BY: _____
 APPROVED BY: MAHMOUD MARZADAH, A.I.A., PRINCIPAL ARCHITECT

CITY OF LOS ANGELES
 DRAFT 100% CONSTRUCTION DOCUMENTS
 VERTICAL CONTROL: _____
 HORIZONTAL CONTROL: _____
 SHEET TITLE: IRRIGATION PLAN
 PROJECT: _____
 ADDRESS: _____
 WORK ORDER NO.: _____
 PLAN FILE NO.: _____
 DRAWING NO.: **L602**
 SHEET OF SHEETS

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.



PER COASTAL DEVELOPMENT PERMIT SCA-028613, SPECIAL CONDITION 218 ALL PROPOSED IRRIGATION LINES HAVE BEEN CONSTRUCTED AT THE TIME OF AMENDMENT 13. THE IRRIGATION LINES WERE DESIGNED TO BE TEMPORARY AND WERE INSTALLED ABOVE-GROUND WHERE POSSIBLE.

PLACE LATERAL PIPES IN EX. SLEEVES UNDER CREEK, TYP. SEE L604-15 & C-15 - C-17 FOR EX. SLEEVE.

California Coastal Commission
South Coast District Office
APPROVED
Permit No. 5-91-286-A13
By: [Signature]
EFFECTIVE 7/14/22
Date: 7/14/22

HEAD LAYOUT FOLLOWS HYDROGRAPHS SET FOR VARIOUS PLANT COMMUNITIES, AFFORD EDGE OF COMMUNITY TRANSITION SHOWN.

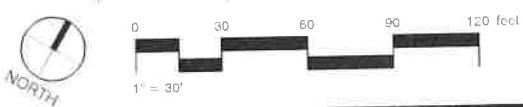
PLACE LATERAL PIPES IN EX. SLEEVES UNDER CREEK, TYP. SEE L604-15 & C-15 - C-17 FOR EX. SLEEVE.

INSTALL THRUST BLOCKS IN ALL LOCATIONS WHERE FITTINGS AND/OR ISOLATION VALVE INSTALLATIONS RESULT IN A POTENTIAL FOR WATER HAMMER SUCH AS A CHANGE IN DIRECTION OF WATER FLOW. SEE DETAIL 2 ON L614.

CONTRACTOR TO SET PRESSURE REDUCER TO 95 PSI AT THE LOCATION

SEE SHEETS L604-15 FOR MARLBOROUGH ROUTING AND SLEEVING PLANS, TYP.

NOTE:



IRRIGATION SCHEDULE POTRERO CANYON

DATE	DESCRIPTION	BY	DATE
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BUREAU OF ENGINEERING

DATE: BY: []

NO. REVISIONS: []

CITY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS

DRAFT 100% CONSTRUCTION DOCUMENTS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION

DATE: []

DESIGNED BY: MSAC

DRAWN BY: NS/SH

CHECKED BY: []

APPROVED BY: MAHOOD KARIMZADEH, AIA, PRINCIPAL ARCHITECT

VERTICAL CONTROL: []

HORIZONTAL CONTROL: []

SHEET TITLE: IRRIGATION PLAN

PROJECT: []

ADDRESS: []

WORK ORDER NO. []

PLAN FILE NO. []

DRAWING NO. **L603**

SHEET OF SHEETS

POSTED 10-16-2022

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PER COASTAL DEVELOPMENT PERMIT 5-91-286-A13, SPECIAL CONDITION 21B ALL PROPOSED IRRIGATION LINES HAVE BEEN CONSTRUCTED AT THE TIME OF AMENDMENT 13. THE IRRIGATION LINES WERE DESIGNED TO BE TEMPORARY AND WERE INSTALLED ABOVE-GROUND WHERE POSSIBLE.

MATCHLINE - SEE SHEET L603

PLACE LATERAL PIPES IN EX. SLEEVES UNDER CREEK, TYP. SEE L609-L615 & C-15 - C-17 FOR EX. SLEEVES.

CONTRACTOR TO SET PRESSURE REDUCER TO 85 PSI AT THIS LOCATION

IRRIGATION SCHEDULE POTRERO CANYON

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1	ISSUED FOR PERMIT	7/14/22	MSAC
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MATCHLINE - SEE SHEET L605

MATCHLINE - SEE SHEET L606

SEE SHEETS L609-615 FOR MAINLINE ROUTING AND SLEEVING PLANS, TYP.

BASIN 4

BASIN 5

BASIN 6

WEAT HEADS TO BE INSTALLED UNDER FLANERS FOR PLANTS PACKETS TYPICAL

HEAD LAYOUT FOLLOWS HYDROZONES SET FOR VARYING PLANT COMMUNITIES. APPROX. EDGE OF COMMUNITY TRANSITION SHOWN.

INSTALL THRUST BLOCKS IN ALL LOCATIONS WHERE FITTINGS AND/OR SOLATION VALVE INSTALLATIONS RESULT IN A POTENTIAL FOR WATER HAMMER SUCH AS A CHANGE IN DIRECTION OF WATER FLOW. SEE DETAIL 2 ON L616.

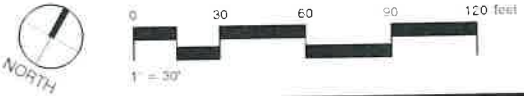
PLACE LATERAL PIPES IN EX. SLEEVES UNDER CREEK, TYP. SEE L609-L615 & C-15 - C-17 FOR EX. SLEEVES.

PLACE LATERAL PIPES IN EX. SLEEVES UNDER CREEK, TYP. SEE L609-L615 & C-15 - C-17 FOR EX. SLEEVES.

California Coastal Commission
South Coast District Office
APPROVED
Permit No. 5-91-286-A13

By: *[Signature]*

EFFECTIVE
Date: 7/14/22



KEY MAP

DRAFT 100% CONSTRUCTION DOCUMENTS

BUREAU OF ENGINEERING

DATE: BY: INDEX NO. BUILDING NO.

REVISIONS:

CITY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION LIC. NO. DATE

DESIGNED BY: MSAC
DRAWN BY: MSRN
CHECKED BY: MAHMOOD KARIMZADEH, A.L.A., PRINCIPAL ARCHITECT

WORK ORDER NO.
PLAN FILE NO.
DRAWING NO. L604
SHEET OF SHEETS

PLOTTED 10-02-2019

IRRIGATION SCHEDULE POTRERO CANYON

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98	MAINLINE	12"	1000'	1000'
99	MAINLINE	12"	1000'	1000'
100	MAINLINE	12"	1000'	1000'

PER COASTAL DEVELOPMENT PERMIT 5-91-286-A13, SPECIAL CONDITION 21B ALL PROPOSED IRRIGATION LINES HAVE BEEN CONSTRUCTED AT THE TIME OF AMENDMENT 13. THE IRRIGATION LINES WERE DESIGNED TO BE TEMPORARY AND WERE INSTALLED ABOVE-GROUND WHERE POSSIBLE.

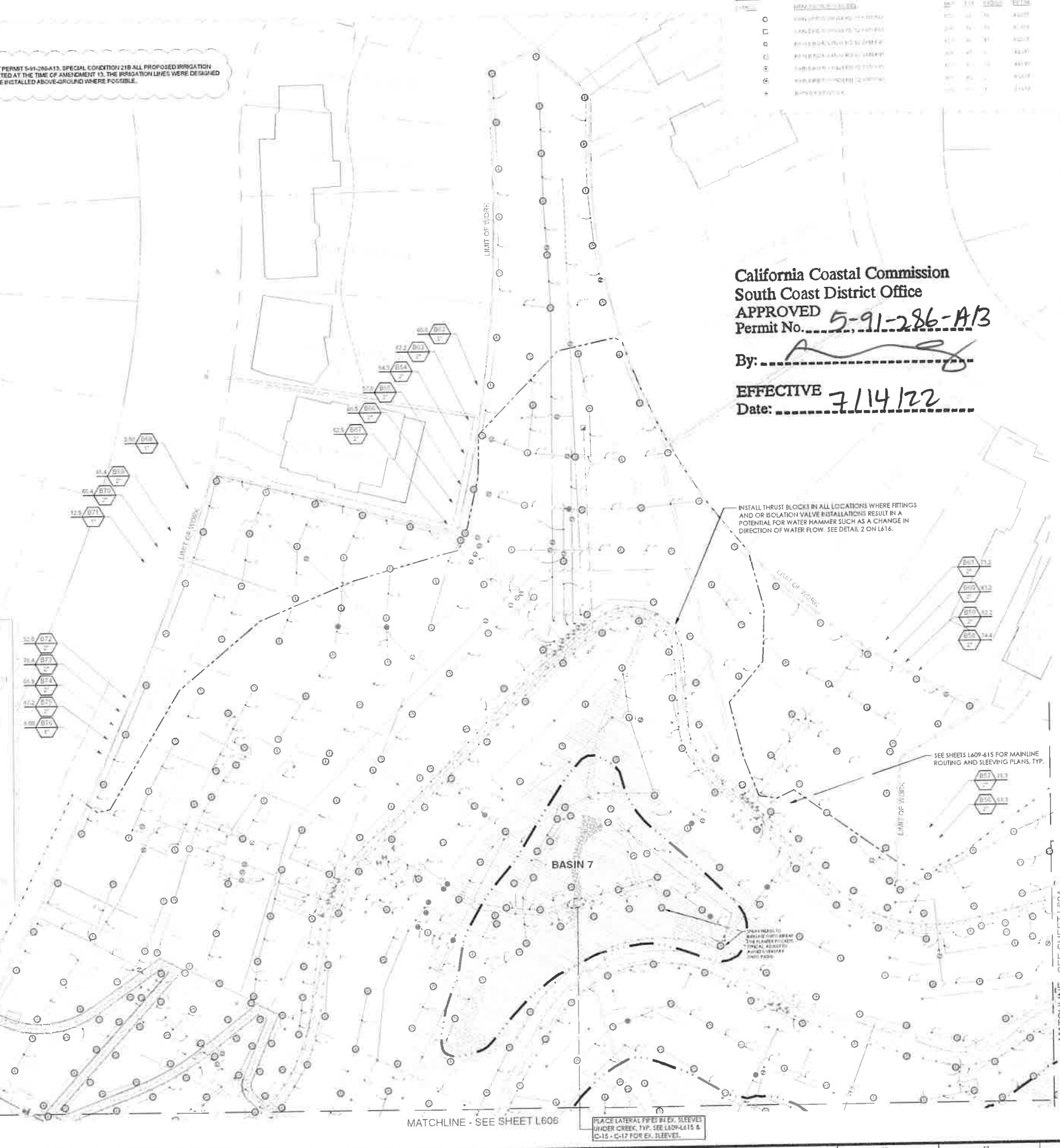
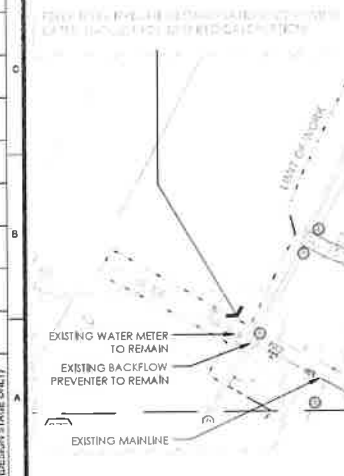
California Coastal Commission
 South Coast District Office
APPROVED
 Permit No. 5-91-286-A13
 By: [Signature]
EFFECTIVE
 Date: 7/14/22

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

CRITICAL STATION: 86

123	871
124	872
125	873
126	874
127	875
128	876
129	877
130	878
131	879
132	880
133	881
134	882
135	883
136	884
137	885
138	886
139	887
140	888
141	889
142	890
143	891
144	892
145	893
146	894
147	895
148	896
149	897
150	898
151	899
152	900

RESIDUAL PRESSURE AVAILABLE: 3.15



REVISIONS:

NO.	DATE	DESCRIPTION
1		
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100		

KEY MAP

0 30 60 90 120 feet

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO.
L605

SHEET OF **SHEETS**

CITY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS

BUREAU OF ENGINEERING

GARY LEE MOORE, PE, ENV SP CITY ENGINEER

ARCHITECTURAL DIVISION

DESIGNED BY: MSAC

DRAWN BY: ASRH

CHECKED BY:

APPROVED BY: MAHMOOD KARIMZADEH, A.L.A., PRINCIPAL ARCHITECT

DATE:

INDEX NO.

BUILDING NO.

PROJECT:

ADDRESS:

VERTICAL CONTROL:

HORIZONTAL CONTROL:

SHEET TITLE: IRRIGATION PLAN

PRINTED 12/15/22

PER COASTAL DEVELOPMENT PERMIT 5-91-286-A13, SPECIAL CONDITION 210 ALL PROPOSED IRRIGATION LINES HAVE BEEN CONSTRUCTED AT THE TIME OF AMENDMENT 13. THE IRRIGATION LINES WERE DESIGNED TO BE TEMPORARY AND WERE INSTALLED ABOVE-GROUND WHERE POSSIBLE.

California Coastal Commission
 South Coast District Office
APPROVED
 Permit No. 5-91-286-A13
 By: _____
EFFECTIVE
 Date: 7/14/22

EXISTING MAINLINE
 TIE INTO EXISTING MAINLINE
 APPROXIMATE LOCATION
 FIELD VERIFY.

SEE SHEET C6 FOR POWER TO CONTROLLER A

IRRIGATION SCHEDULE POTRERO CANYON

PIPING	DESCRIPTION	SIZE	DEPTH	MARKING	DATE
○	NEW 1/2" POLYETHYLENE GLYCOL (PE) PIPE	1/2"	18"	18"	7/14/22
□	NEW 1/2" POLYETHYLENE GLYCOL (PE) PIPE	1/2"	18"	18"	7/14/22
○	NEW 1/2" POLYETHYLENE GLYCOL (PE) PIPE	1/2"	18"	18"	7/14/22
○	EXISTING 1/2" POLYETHYLENE GLYCOL (PE) PIPE	1/2"	18"	18"	7/14/22
○	EXISTING 1/2" POLYETHYLENE GLYCOL (PE) PIPE	1/2"	18"	18"	7/14/22
○	EXISTING 1/2" POLYETHYLENE GLYCOL (PE) PIPE	1/2"	18"	18"	7/14/22
○	EXISTING 1/2" POLYETHYLENE GLYCOL (PE) PIPE	1/2"	18"	18"	7/14/22
○	EXISTING 1/2" POLYETHYLENE GLYCOL (PE) PIPE	1/2"	18"	18"	7/14/22
○	EXISTING 1/2" POLYETHYLENE GLYCOL (PE) PIPE	1/2"	18"	18"	7/14/22
○	EXISTING 1/2" POLYETHYLENE GLYCOL (PE) PIPE	1/2"	18"	18"	7/14/22

EXISTING 4" BACKFLOW
 PREVENTER TO REMAIN

EXISTING 4" WATER
 METER TO REMAIN

BASIN 1

1. ALL IRRIGATION LINES SHALL BE INSTALLED AT A MINIMUM 18" DEPTH UNLESS OTHERWISE NOTED. ALL IRRIGATION LINES SHALL BE INSTALLED AT A MINIMUM 18" DEPTH UNLESS OTHERWISE NOTED. ALL IRRIGATION LINES SHALL BE INSTALLED AT A MINIMUM 18" DEPTH UNLESS OTHERWISE NOTED.

2. ALL IRRIGATION LINES SHALL BE INSTALLED AT A MINIMUM 18" DEPTH UNLESS OTHERWISE NOTED. ALL IRRIGATION LINES SHALL BE INSTALLED AT A MINIMUM 18" DEPTH UNLESS OTHERWISE NOTED. ALL IRRIGATION LINES SHALL BE INSTALLED AT A MINIMUM 18" DEPTH UNLESS OTHERWISE NOTED.

3. ALL IRRIGATION LINES SHALL BE INSTALLED AT A MINIMUM 18" DEPTH UNLESS OTHERWISE NOTED. ALL IRRIGATION LINES SHALL BE INSTALLED AT A MINIMUM 18" DEPTH UNLESS OTHERWISE NOTED. ALL IRRIGATION LINES SHALL BE INSTALLED AT A MINIMUM 18" DEPTH UNLESS OTHERWISE NOTED.

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11. ALL IRRIGATION LINES SHALL BE INSTALLED AT A MINIMUM 18" DEPTH UNLESS OTHERWISE NOTED. ALL IRRIGATION LINES SHALL BE INSTALLED AT A MINIMUM 18" DEPTH UNLESS OTHERWISE NOTED. ALL IRRIGATION LINES SHALL BE INSTALLED AT A MINIMUM 18" DEPTH UNLESS OTHERWISE NOTED.

12. ALL IRRIGATION LINES SHALL BE INSTALLED AT A MINIMUM 18" DEPTH UNLESS OTHERWISE NOTED. ALL IRRIGATION LINES SHALL BE INSTALLED AT A MINIMUM 18" DEPTH UNLESS OTHERWISE NOTED. ALL IRRIGATION LINES SHALL BE INSTALLED AT A MINIMUM 18" DEPTH UNLESS OTHERWISE NOTED.

13. ALL IRRIGATION LINES SHALL BE INSTALLED AT A MINIMUM 18" DEPTH UNLESS OTHERWISE NOTED. ALL IRRIGATION LINES SHALL BE INSTALLED AT A MINIMUM 18" DEPTH UNLESS OTHERWISE NOTED. ALL IRRIGATION LINES SHALL BE INSTALLED AT A MINIMUM 18" DEPTH UNLESS OTHERWISE NOTED.

14. ALL IRRIGATION LINES SHALL BE INSTALLED AT A MINIMUM 18" DEPTH UNLESS OTHERWISE NOTED. ALL IRRIGATION LINES SHALL BE INSTALLED AT A MINIMUM 18" DEPTH UNLESS OTHERWISE NOTED. ALL IRRIGATION LINES SHALL BE INSTALLED AT A MINIMUM 18" DEPTH UNLESS OTHERWISE NOTED.

15. ALL IRRIGATION LINES SHALL BE INSTALLED AT A MINIMUM 18" DEPTH UNLESS OTHERWISE NOTED. ALL IRRIGATION LINES SHALL BE INSTALLED AT A MINIMUM 18" DEPTH UNLESS OTHERWISE NOTED. ALL IRRIGATION LINES SHALL BE INSTALLED AT A MINIMUM 18" DEPTH UNLESS OTHERWISE NOTED.

16. ALL IRRIGATION LINES SHALL BE INSTALLED AT A MINIMUM 18" DEPTH UNLESS OTHERWISE NOTED. ALL IRRIGATION LINES SHALL BE INSTALLED AT A MINIMUM 18" DEPTH UNLESS OTHERWISE NOTED. ALL IRRIGATION LINES SHALL BE INSTALLED AT A MINIMUM 18" DEPTH UNLESS OTHERWISE NOTED.

17. ALL IRRIGATION LINES SHALL BE INSTALLED AT A MINIMUM 18" DEPTH UNLESS OTHERWISE NOTED. ALL IRRIGATION LINES SHALL BE INSTALLED AT A MINIMUM 18" DEPTH UNLESS OTHERWISE NOTED. ALL IRRIGATION LINES SHALL BE INSTALLED AT A MINIMUM 18" DEPTH UNLESS OTHERWISE NOTED.

18. ALL IRRIGATION LINES SHALL BE INSTALLED AT A MINIMUM 18" DEPTH UNLESS OTHERWISE NOTED. ALL IRRIGATION LINES SHALL BE INSTALLED AT A MINIMUM 18" DEPTH UNLESS OTHERWISE NOTED. ALL IRRIGATION LINES SHALL BE INSTALLED AT A MINIMUM 18" DEPTH UNLESS OTHERWISE NOTED.

19. ALL IRRIGATION LINES SHALL BE INSTALLED AT A MINIMUM 18" DEPTH UNLESS OTHERWISE NOTED. ALL IRRIGATION LINES SHALL BE INSTALLED AT A MINIMUM 18" DEPTH UNLESS OTHERWISE NOTED. ALL IRRIGATION LINES SHALL BE INSTALLED AT A MINIMUM 18" DEPTH UNLESS OTHERWISE NOTED.

20. ALL IRRIGATION LINES SHALL BE INSTALLED AT A MINIMUM 18" DEPTH UNLESS OTHERWISE NOTED. ALL IRRIGATION LINES SHALL BE INSTALLED AT A MINIMUM 18" DEPTH UNLESS OTHERWISE NOTED. ALL IRRIGATION LINES SHALL BE INSTALLED AT A MINIMUM 18" DEPTH UNLESS OTHERWISE NOTED.

CRITICAL STATION: 86

RESIDUAL PRESSURE AVAILABLE: 5.13

IF APPROVED AND MODIFIED, ALL WORK SHALL FOLLOW THE SPECIFICATIONS SET FORTH IN THE CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS STANDARD SPECIFICATIONS FOR CONSTRUCTION. APPROVED AND MODIFIED BY: _____



BUREAU OF ENGINEERING

ENGINEERING
 CITY OF LOS ANGELES

DATE: _____
 BY: _____
 CHECKED BY: _____
 BUILDING NO. _____
 INDEX NO. _____

DEPARTMENT OF PUBLIC WORKS

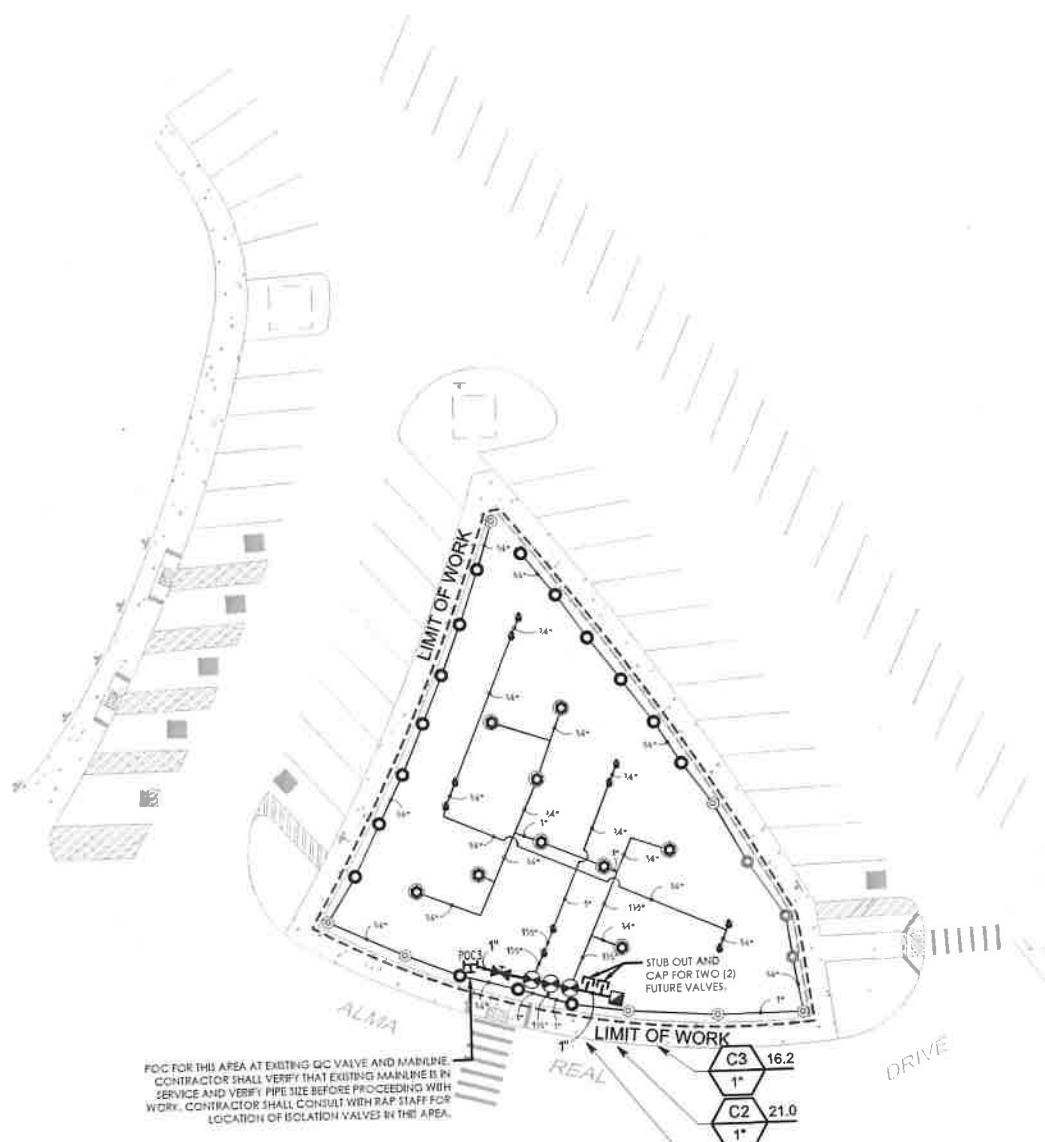
GARY LEE MOORE, PE, ENV SP CITY ENGINEER
 ARCHITECTURAL DIVISION

DATE: _____
 LIC. NO. _____
 ARCHITECT: _____
 DESIGNED BY: MWA/C
 DRAWN BY: MWRH
 CHECKED BY: _____
 APPROVED BY: MAHMOOD MARJAZDEH, A.L.A., PRINCIPAL ARCHITECT

WORK ORDER NO. _____
PLAN FILE NO. _____
DRAWING NO. **A70**
SHEET _____ **OF** _____ **SHEETS**

PLOTTED: 10-10-2019

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



NOTE:
 PROVIDE HARD ISOLATION SHUT OFF VALVE AT EACH MAINLINE SEE DETAILS AND 9, SHEET L616

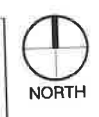
- C3 16.2
1"
- C2 21.0
1"
- C1 15.0
1"

IRRIGATION SCHEDULE REC CENTER

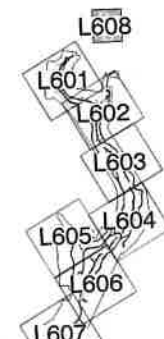
SYMBOL	MANUFACTURER/MODEL	ARC	PSI	RADIUS	DETAIL
○	RAIN BIRD R-VAN14 RD-12 SAM-P45	ADJ	40	14"	45,617
○	RAIN BIRD R-VAN18 RD-12 SAM-P45	ADJ	40	17"	45,617
○	RAIN BIRD R-VAN18 RD-12 SAM-P45	360	40	17"	45,617
○	RAIN BIRD R-VAN18 RD-12 SAM-P45	ADJ	40	22"	45,617
○	RAIN BIRD 110A-6 SERIES STREAM	360	30	5"	45,617
○	MANUFACTURER/MODEL/DESCRIPTION				DETAIL
○	RAIN BIRD PEB-PH-D WITH TROUS-ET 1" PLASTIC INDUSTRIAL VALVE, LOW FLOW OPERATING CAPABILITY, GLOBE CONFIGURATION, WITH PRESSURE REGULATOR MODULE, PROVIDE DC SOLENOID CONVERTER, ONE STATION BLUETOOTH BATTERY-OPERATED IRRIGATION CONTROLLER LINKED TO THE RAIN BIRD APP. STATION TIMING: 1 MINUTE TO 13 HOURS IN 1 MINUTE INCREMENTS WITH A 30-DAY CALENDAR. STATIONS CAN BE ASSIGNED TO MULTIPLE PROGRAMS.				55,616
⊠	RAIN BIRD 44-LNC 1" BRASS LICK-COUPLING VALVE, 60TH CORROSION-RESISTANT STAINLESS STEEL SPRING LOADING THERMOPLASTIC RUBBER COVER, AND 2-PIECE BODY.				55,616
⊠	IBICO T-115 4" 1" CLASS 125 NORMALLY CLOSED LEAD-FREE BRONZE GATE SHUT OFF VALVE WITH WHEEL HANDLE, SAME SIZE AS MAINLINE PIPE DIAMETER AT VALVE LOCATION.				55,616
⊠	CAP FOR FUTURE USE CAP AT THE MAINLINE OR LATERAL LINE FOR FUTURE USE. THE PRESSURE AND FLOW PROVIDED TO THAT LOCATION ARE INDICATED NEXT TO THE CAP SYMBOL.				55,616
⊠	POC AT EXISTING REC CENTER ISLAND LICK COUPLER				55,616
---	IRRIGATION LATERAL LINE: PVC SCHEDULE 40				55,616
---	IRRIGATION MAINLINE: PVC SCHEDULE 40 MAINLINE 2" AND SMALLER SHALL BE SCH. 40 PVC WITH SLEAVED FITTINGS. SEE DETAIL FOR MAINLINE SIZING BY VALVE MANUFACTURER.				55,616

PARKING LOT IMPROVEMENTS SHOWN ON THIS SHEET SHALL BE STARTED WITHIN THE FIRST MONTH OF CONSTRUCTION AND COMPLETED IN A CONTINUOUS OPERATION TO LIMIT INCONVENIENCE TO PALISADES PARK PATRONS.

California Coastal Commission
 South Coast District Office
 APPROVED
 Permit No. 5-91-286-A13
 By: _____
 EFFECTIVE 7/14/22
 Date: _____



KEY MAP



BUREAU OF ENGINEERING

ENGINEERING
 CITY OF LOS ANGELES

DATE BY: _____
 BUILDING NO.: _____

INDEX NO. **D-35381**

DEPARTMENT OF PUBLIC WORKS

ARCHITECT: _____
 L.C. NO.: _____

DESIGNED BY: MS/AC
 DRAWN BY: RSKK
 CHECKED BY: MS/MS
 APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

CITY OF LOS ANGELES

VERTICAL CONTROL: _____
 HORIZONTAL CONTROL: _____

SHEET TITLE: IRRIGATION PLAN
 PROJECT: POTRERO CANYON PARK
 ADDRESS: 15101, 15125 AND 15145 PACIFIC COAST HIGHWAY
 PACIFICA PALISADES, CA 90272

WORK ORDER NO. **E1908635**
 PLAN FILE NO. **720**
 DRAWING NO. **L608**

SHEET **48** OF **95**

PLOTTED: 10/10/2020

California Coastal Commission
 South Coast District Office
 APPROVED
 Permit No. **5-91-286-A13**

By: *[Signature]*

EFFECTIVE
 Date: **7/14/22**

MATCHLINE - SEE SHEET L609

BASIN 0

BASIN 1

POC1 - SEE SHEET L602

EXISTING MAINLINE
 TIE INTO EXISTING MAINLINE
 APPROXIMATE LOCATION
 FIELD VERIFY

EXISTING BACKFLOW
 PREVENTER TO REMAIN
 EXISTING WATER METER
 TO REMAIN

SYMBOL LEGEND AND NOTES

- | SYMBOL | DESCRIPTION |
|--------|---|
| | IRRIGATION MAINLINE - SEE SHEET L609 FOR PRODUCT INFORMATION |
| | EXISTING IRRIGATION MAINLINE |
| | MAINLINE PIPE SLEEVE - SEE SHEETS L609 & L610 FOR PRODUCT INFORMATION |
| | EXISTING MAINLINE PIPE SLEEVE - SEE SHEETS L609 & L610 FOR LOCATION |
| | LATERAL PIPE SLEEVE - SEE SHEETS L609 & L610 FOR LOCATION |
| | EXISTING LATERAL PIPE SLEEVE - SEE SHEETS L609 & L610 FOR LOCATION |
| | APPROXIMATE VALVE BOX LOCATION
CONTRACTOR TO MARK OUT VALVE BOX LOCATION PRIOR TO APPROVAL BY CITY PRIOR TO INSTALLATION OF PIPING AND EQUIPMENT |
- Valve Callout**
- Valve Number
 - Valve Flow
 - Valve Size

NOTES

- IRRIGATION PLAN IS DIAGNOSTIC. MAINLINE ROUTING AND VALVE BOX LOCATIONS ARE SHOWN FOR DESIGN INTENT AND LOCATION OF REMS IN RELATION TO ROADS AND PATHS. FINAL LOCATION OF PIPING WILL BE DETERMINED AT THE TIME OF INSTALLATION. MAINLINE AND LATERALS SHALL BE PLACED IN THE SAME TRENCH WHEN POSSIBLE. ALL G.C. VALVES ARE TO BE LOCATED 1' FROM SIDEWALK, CURB, ASPHALT & CONCRETE SURFACES.
- SLEEVES AND PIPES TO BE LOCATED BETWEEN FENCE POSTS TO AVOID CONFLICTS WITH FOOTINGS.
- SEE ALL OTHER IRRIGATION NOTES ON SHEET L600.

PER COASTAL DEVELOPMENT PERMIT
 SPO-2014-0001 SPECIAL EXCEPTION 218 ALL
 PROPOSED IRRIGATION LINES HAVE BEEN
 CONSTRUCTED AT THE TIME OF AMENDMENT 13.
 THE IRRIGATION LINES WERE DESIGNED TO BE
 TEMPORARY AND WERE INSTALLED
 ABOVE-GROUND WHERE POSSIBLE.



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.

TEMPLATE SHEET REVISION DATE: 06/20/14
 REVISION DATE: 01/15/2022 4:37 PM
 FILE: C:\USERS\386448\BOX\GEO\CAD\PROJECTS\200505-199 POTRERO CANYON PARK LANDSCAPE\PROJECTS\200505-199 POTRERO CANYON PARK LANDSCAPE\DWG

BUREAU OF ENGINEERING

DATE BY:	
REVISIONS:	
INDEX NO.	
BUILDING NO.	

CITY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS

DRAFT 100% CONSTRUCTION DOCUMENTS

ARCHITECT:	GARY LEE MOORE, PE, ENV SP	CITY ENGINEER:	
DESIGNED BY:	MSAC	DATE:	
DRAWN BY:	MSRH	ARCHITECTURAL DIVISION:	
CHECKED BY:		LIC. NO.:	
APPROVED BY:	MAHMOOD KARIMZADEH, A.L.A.	PRINCIPAL ARCHITECT:	

SHEET TITLE: **IRRIGATION MAINLINE ROUTING AND SLEEVING PLAN**

PROJECT: _____ ADDRESS: _____

WORK ORDER NO. _____

PLAN FILE NO. _____

DRAWING NO. **L610**

SHEET OF SHEETS

PLOTTED: 10/18/2018

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.



SYMBOL LEGEND AND NOTES

SYMBOL	DESCRIPTION
	IRRIGATION MAINLINE - SEE SHEETS LISTED FOR PRODUCT INFORMATION
	EXISTING IRRIGATION MAINLINE
	MANHOLE PIPE SLEEVE - SEE SHEETS LISTED FOR PRODUCT INFORMATION
	EXISTING MANHOLE PIPE SLEEVE - SEE SHEETS C-10 TO C-17 FOR LOCATIONS
	LATERAL PIPE SLEEVE - SEE SHEETS LISTED FOR PRODUCT INFORMATION
	EXISTING LATERAL PIPE SLEEVE - SEE SHEETS C-10 TO C-17 FOR LOCATIONS
	APPROXIMATE VALVE BOX LOCATION CONSTRUCTION TO MARK EXIST VALVE BOX LOCATIONS AND SITE FOR APPROVAL BY CITY PRIOR TO INSTALLATION OF PIPING AND EQUIPMENT

Valve Callout

	Valve Number
	Valve Flow
	Valve Size

NOTES

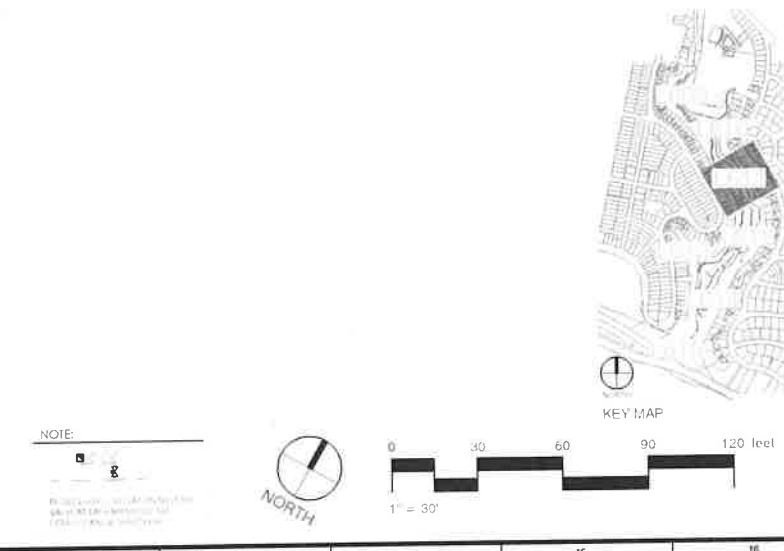
- IRRIGATION PLAN IS DIAGRAMMATIC. MAINLINE ROUTING AND VALVE BOX LOCATIONS ARE SHOWN FOR DESIGN INTENT AND LOCATION OF ITEMS IN RELATION TO ROADS AND PATHS. FINAL LOCATION OF PIPING WILL BE DETERMINED AT THE TIME OF INSTALLATION. MAINLINE AND LATERALS SHALL BE PLACED IN THE SAME TRENCH WHEN POSSIBLE. ALL G.C. VALVES ARE TO BE LOCATED 12" FROM SIDEWALKS, CURBS, ASPHALT & CONCRETE SURFACES.
- SLEEVES AND PIPES TO BE LOCATED BETWEEN FENCE POSTS TO AVOID CONFLICTS WITH FOOTINGS.
- SEE ALL OTHER IRRIGATION NOTES ON SHEET L600.

NOTES

- IRRIGATION PLAN IS DIAGRAMMATIC. MAINLINE ROUTING AND VALVE BOX LOCATIONS ARE SHOWN FOR DESIGN INTENT AND LOCATION OF ITEMS IN RELATION TO ROADS AND PATHS. FINAL LOCATION OF PIPING WILL BE DETERMINED AT THE TIME OF INSTALLATION. MAINLINE AND LATERALS SHALL BE PLACED IN THE SAME TRENCH WHEN POSSIBLE. ALL G.C. VALVES ARE TO BE LOCATED 12" FROM SIDEWALKS, CURBS, ASPHALT & CONCRETE SURFACES.
- SLEEVES AND PIPES TO BE LOCATED BETWEEN FENCE POSTS TO AVOID CONFLICTS WITH FOOTINGS.
- SEE ALL OTHER IRRIGATION NOTES ON SHEET L600.

PER COASTAL DEVELOPMENT PERMIT 5-91-286-A13, SPECIAL CONDITION 21B ALL PROPOSED IRRIGATION LINES HAVE BEEN CONSTRUCTED AT THE TIME OF AMENDMENT 13. THE IRRIGATION LINES WERE DESIGNED TO BE TEMPORARY AND WERE INSTALLED ABOVE-GROUND WHERE POSSIBLE.

California Coastal Commission
 South Coast District Office
 APPROVED **5-91-286-A13**
 Permit No. _____
 By: _____
 EFFECTIVE **7/14/22**
 Date: _____



BUREAU OF ENGINEERING

DATE: BY: _____

NO. REVISIONS: _____

CITY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS

DRAFT 100% CONSTRUCTION DOCUMENTS

VERTICAL CONTROL: _____
 HORIZONTAL CONTROL: _____

SHEET TITLE: **#IRRIGATION MAINLINE ROUTING AND SLEEVING PLAN**

PROJECT: _____
 ADDRESS: _____

DESIGNED BY: MSAC
 DRAWN BY: KSRH
 CHECKED BY: _____
 APPROVED BY: MARWOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

ARCHITECT: _____
 ARCHITECTURAL DIVISION: _____
 LIC. NO.: _____

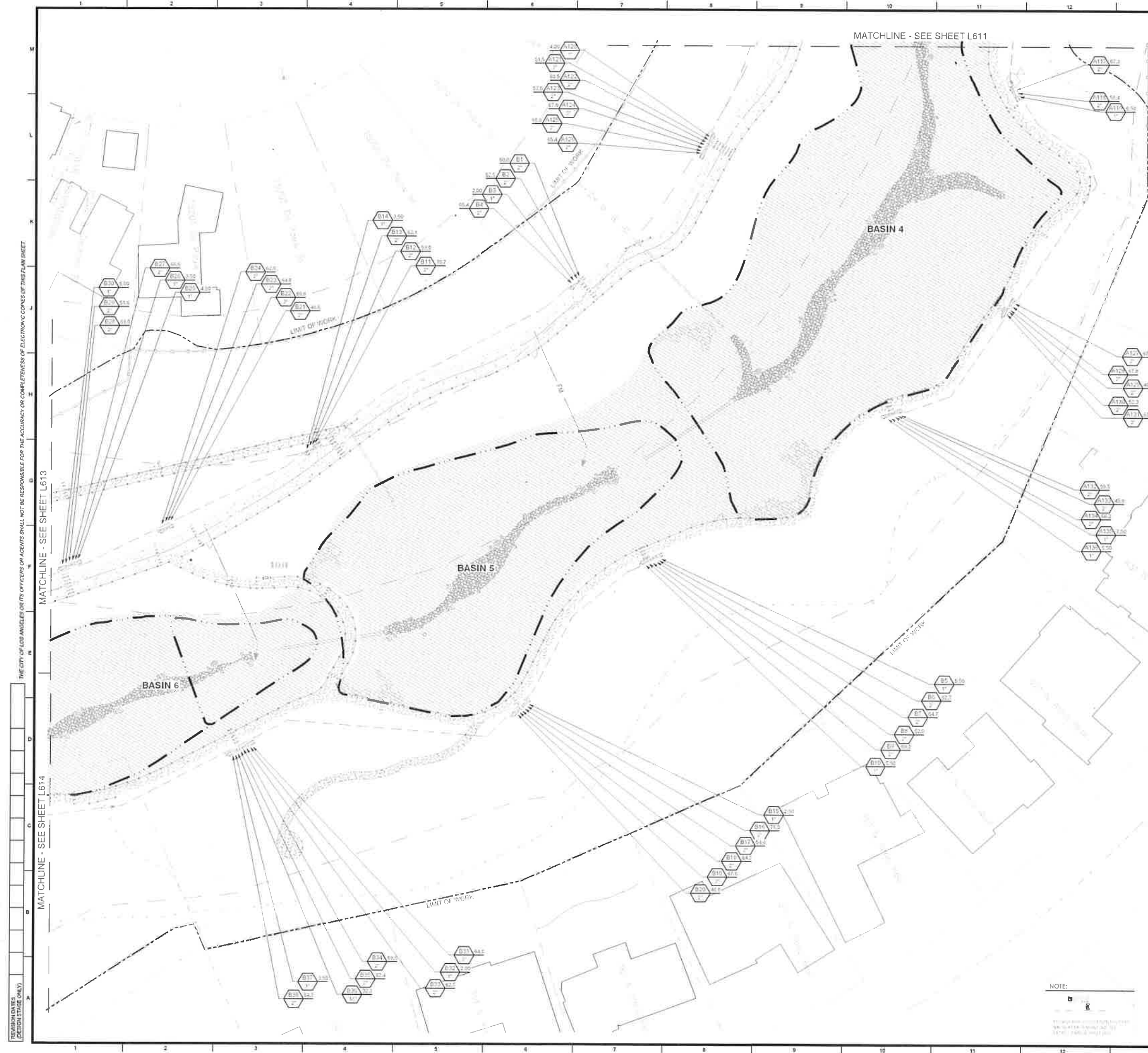
CITY ENGINEER: _____
 DATE: _____

WORK ORDER NO. _____
 PLAN FILE NO. _____
 DRAWING NO. **L611**
 SHEET OF SHEETS

INDEX NO. _____
 BUILDING NO. _____

PLOTTED: 05-10-2023

TEMPLATE SHEET REVISION DATE: 06/20/14
 REVISION DATE: 9/15/2022 4:37 PM FILE: C:\USERS\38666\BOX\GDC\ADDP\PROJECTS\2009-05-189 POTRERO CANYON PARK (LANDSCAPING)_E\PROJ\SS\CONSTRUCTION\SSHEETS_POTRERO CANYON PARK LANDSCAPING BID SET\11104P\PLD10



SYMBOL LEGEND AND NOTES

SYMBOL	DESCRIPTION
(Symbol)	IRRIGATION MAINLINE (SEE SHEETS FOR PRODUCT INFORMATION)
(Symbol)	IRRIGATION LATERAL (SEE SHEETS FOR PRODUCT INFORMATION)
(Symbol)	MAINLINE PIPE SLEEVE (SEE SHEETS FOR PRODUCT INFORMATION)
(Symbol)	LATERAL PIPE SLEEVE (SEE SHEETS FOR PRODUCT INFORMATION)
(Symbol)	APPROXIMATE VALVE BOX LOCATION (CONTRACTOR TO MARK CUT VALVE BOX LOCATIONS ON SITE FOR APPROVAL BY CITY PRIOR TO INSTALLATION OF PIPES AND EQUIPMENT)

Valve Callout

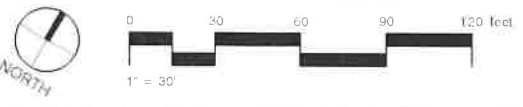
Valve Number	Valve Flow	Valve Size
(Symbol)	(Symbol)	(Symbol)

NOTES

- IRRIGATION PLAN IS DIAGRAMMATIC. MAINLINE ROUTING AND VALVE BOX LOCATIONS ARE SHOWN FOR DESIGN INTENT AND LOCATION OF ITEMS IN RELATION TO ROADS AND PATHS. FINAL LOCATION OF PIPING WILL BE DETERMINED AT THE TIME OF INSTALLATION. MAINLINE AND LATERALS SHALL BE PLACED IN THE SAME TRENCH WHEN POSSIBLE. ALL Q.C. VALVES ARE TO BE LOCATED 12" FROM SIDEWALKS, CURBS, ASPHALT & CONCRETE SURFACES.
- SLEEVES AND PIPES TO BE LOCATED BETWEEN FENCE POSTS TO AVOID CONFLICTS WITH FOOTINGS.
- SEE ALL OTHER IRRIGATION NOTES ON SHEET L600.

PER COASTAL DEVELOPMENT PERMIT 5-91-286-A13, SPECIAL CONDITION 21B ALL PROPOSED IRRIGATION LINES HAVE BEEN CONSTRUCTED AT THE TIME OF ASSESSMENT 13. THE IRRIGATION LINES WERE DESIGNED TO BE TEMPORARY AND WERE INSTALLED ABOVE-GROUND WHERE POSSIBLE.

California Coastal Commission
 South Coast District Office
APPROVED
 Permit No. 5-91-286-A13
 By: _____
EFFECTIVE
 Date: 7/14/22



CITY OF LOS ANGELES
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF ENGINEERING

VERTICAL CONTROL: _____
 HORIZONTAL CONTROL: _____

SHEET TITLE: #IRRIGATION MAINLINE ROUTING AND SLEEVE PLAN
 PROJECT: _____
 ADDRESS: _____

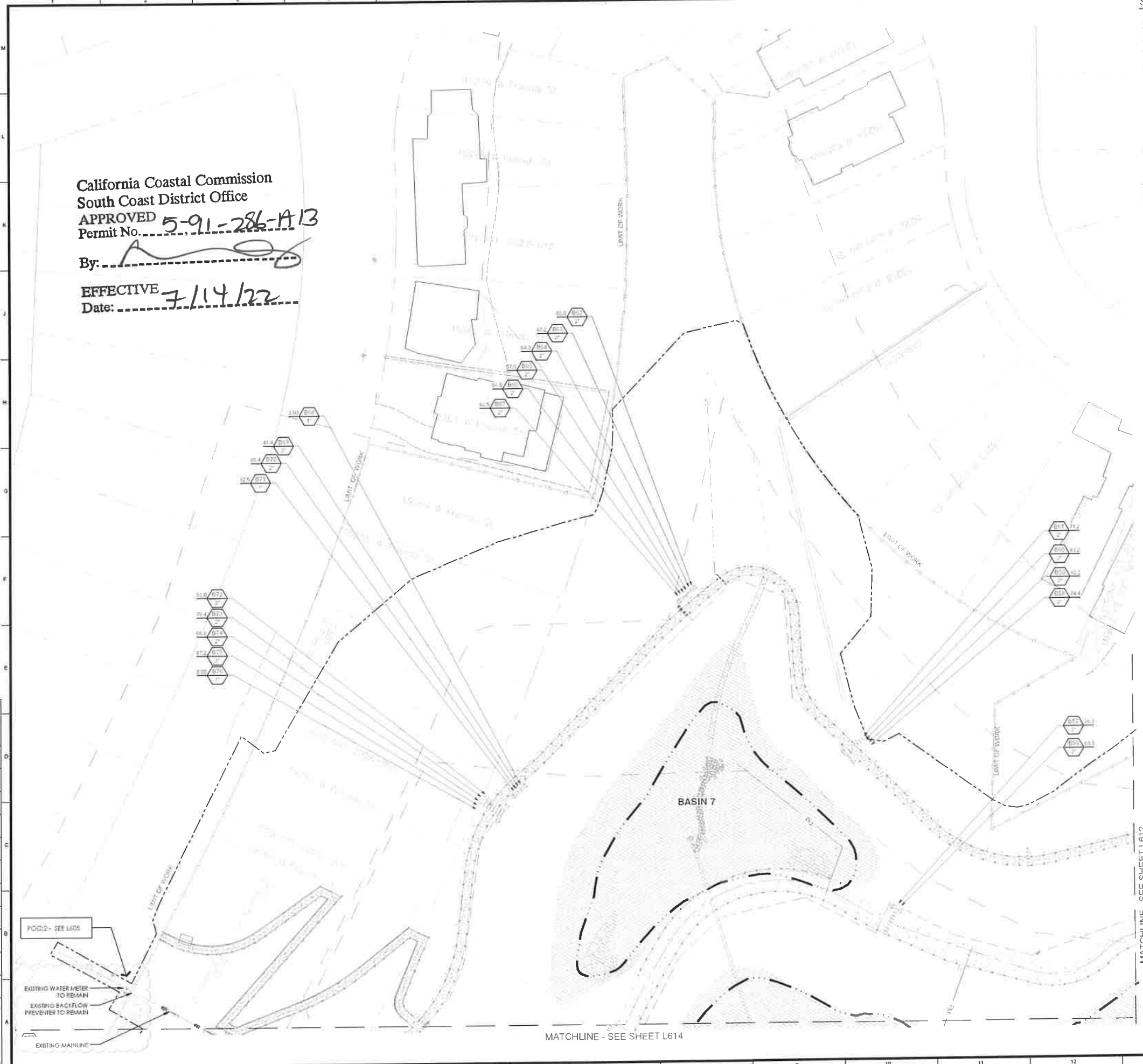
ARCHITECT: GARY LEE MOORE, PE, ENV SP, CITY ENGINEER
 ARCHITECTURAL DIVISION: _____
 LIC. NO.: _____
 DESIGNED BY: ASAC
 DRAWN BY: KSRH
 CHECKED BY: _____
 APPROVED BY: MAHMOUD KARIMZADEH, A.L.A., PRINCIPAL ARCHITECT

DATE: _____
 REVISIONS: _____
 BUILDING NO.: _____
 INDEX NO.: _____

WORK ORDER NO.: _____
 PLAN FILE NO.: _____
 DRAWING NO.: **L612**
 SHEET OF SHEETS

TEMPLATE SHEET REVISION DATE: 06/20/14
 REVISION DATE: 10/20/22 4:24 PM
 FILE: C:\USERS\JAMMAD\BOX\GEOCAD\PROJECTS\308565-19 POTRERO CANYON PARK (LANDSCAPING)_E (MANS)_CONSTRUCTION\SHEETS_POTRERO CANYON PARK LANDSCAPING BID SET\131300-AP-AL-DWG

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.



California Coastal Commission
 South Coast District Office
 APPROVED
 Permit No. 5-91-286-A13
 By: [Signature]
 EFFECTIVE
 Date: 7/14/22

SYMBOL LEGEND AND NOTES

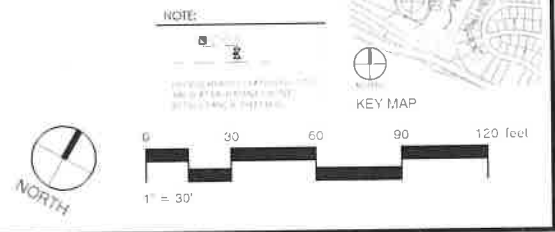
SYMBOL	DESCRIPTION
[Symbol]	IRRIGATION MAINLINE (SEE SHEETS L614-L617 FOR PRODUCT INFORMATION)
[Symbol]	EXISTING IRRIGATION MAINLINE
[Symbol]	MAINLINE PIPE SLEEVE (SEE SHEETS L614-L617 FOR PRODUCT INFORMATION)
[Symbol]	EXISTING MAINLINE PIPE SLEEVE (SEE SHEETS L614-L617 FOR PRODUCT INFORMATION)
[Symbol]	LATERAL PIPE SLEEVE (SEE SHEETS L614-L617 FOR PRODUCT INFORMATION)
[Symbol]	EXISTING LATERAL PIPE SLEEVE (SEE SHEETS L614-L617 FOR PRODUCT INFORMATION)
[Symbol]	APPROXIMATE VALVE INSTALLATION LOCATIONS (SEE SHEETS L614-L617 FOR PRODUCT INFORMATION)
[Symbol]	EXISTING VALVE LOCATIONS ON SITE FOR APPROVAL BY CITY ENGINEER UPON INSTALLATION OF PIPING AND EQUIPMENT

Valve Callout

- Valve Number
- Valve Flow
- Valve Size

- NOTES**
- IRRIGATION PLAN IS DIAGRAMMATIC. MAINLINE ROUTING AND VALVE BOX LOCATIONS ARE SHOWN FOR DESIGN INTENT AND LOCATION OF ITEMS IN RELATION TO ROADS AND PATHS. FINAL LOCATION OF PIPING WILL BE DETERMINED AT THE TIME OF INSTALLATION. MAINLINE AND LATERALS SHALL BE PLACED IN THE SAME TRENCH WHEN POSSIBLE. ALL D.C. VALVES ARE TO BE LOCATED 12" FROM SIDEWALKS, CURBS, ASPHALT & CONCRETE SURFACES.
 - SLEEVES AND PIPES TO BE LOCATED BETWEEN FENCE POSTS TO AVOID CONFLICTS WITH FOOTINGS.
 - SEE ALL OTHER IRRIGATION NOTES ON SHEET L600.

PER COASTAL DEVELOPMENT PERMIT 5-91-286-A13, SPECIAL CONDITION 218 ALL PROPOSED IRRIGATION LINES HAVE BEEN CONSTRUCTED AT THE TIME OF AMENDMENT 13. THE IRRIGATION LINES WERE DESIGNED TO BE TEMPORARY AND WERE INSTALLED ABOVE-GROUND WHERE POSSIBLE.



BUREAU OF ENGINEERING

CITY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS

DRAFT 100% CONSTRUCTION DOCUMENTS

GARY LEE MOORE, PE, ENV SP, CITY ENGINEER
 ARCHITECTURAL DIVISION
 ARCHITECT
 DESIGNED BY: MSAC
 DRAWN BY: KSRH
 CHECKED BY:
 APPROVED BY: MAHMOOD MARIMZADEH, A.L.A., PRINCIPAL ARCHITECT

WORK ORDER NO.
PLAN FILE NO.
DRAWING NO.
L613
SHEET OF SHEETS

INDEX NO.

NO. REVISIONS:

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

DATE: 11/20/21

PROJECT: IRRIGATION MAINLINE ROUTING AND SLEEVING PLAN

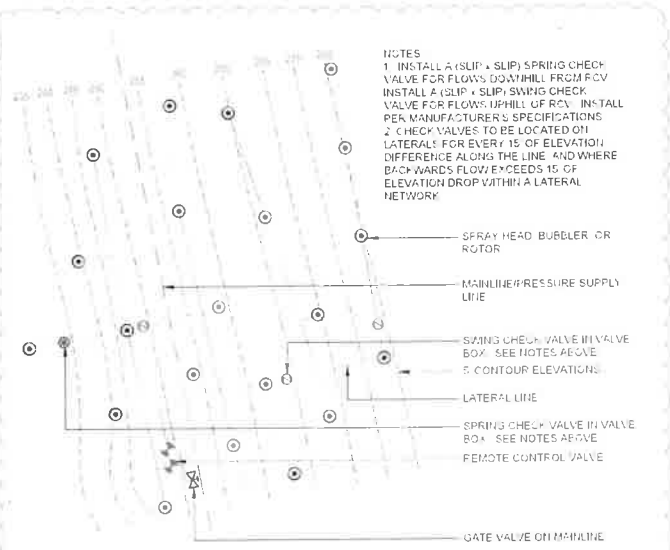
ADDRESS:

PLOTTED 10/20/22

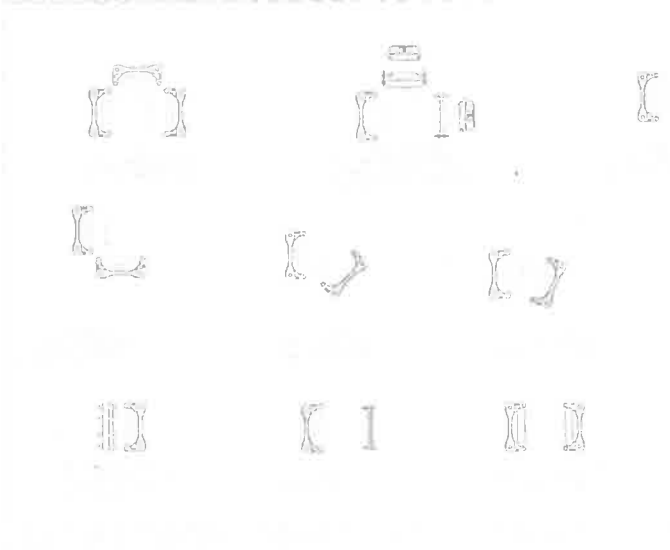
EFFECTIVE 7/14/22
 Date:

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

9 IRRIGATION TRENCHING DETAIL
 N.T.S. BCE VERSION 05-05 RFD DETAIL 1700



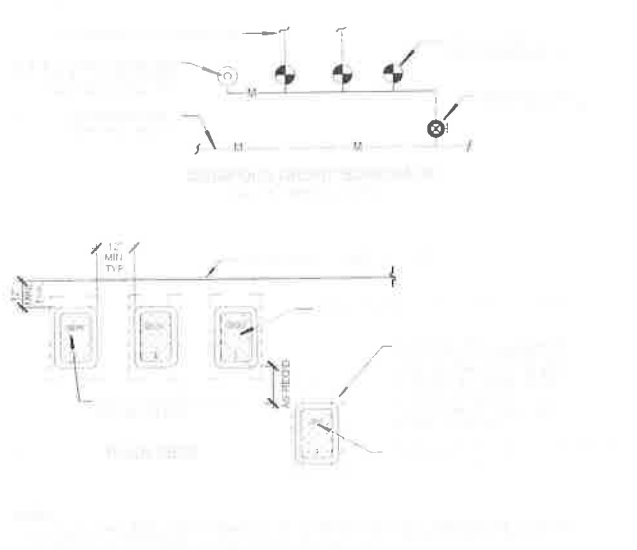
10 CHECK VALVE LAYOUT
 N.T.S. RRM DETAIL



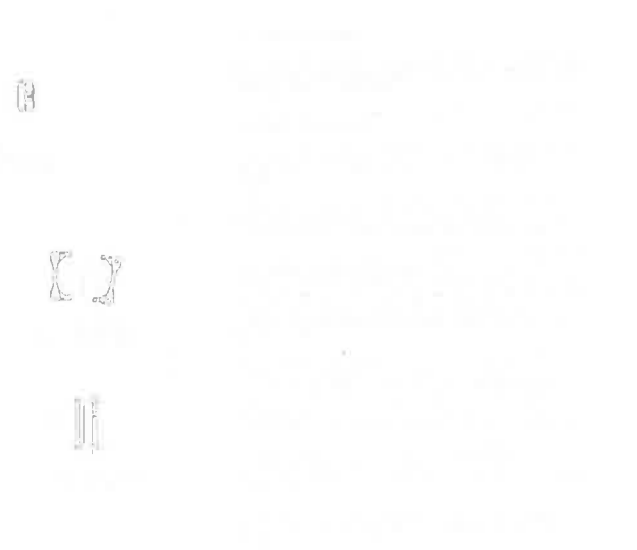
11 RESTRAINED FITTINGS FOR 4" MAINLINE
 N.T.S. BCE VERSION 05-05 RF



7 VALVE MANIFOLD ASSEMBLY - 4" MAINLINE
 N.T.S. RFD DETAIL --



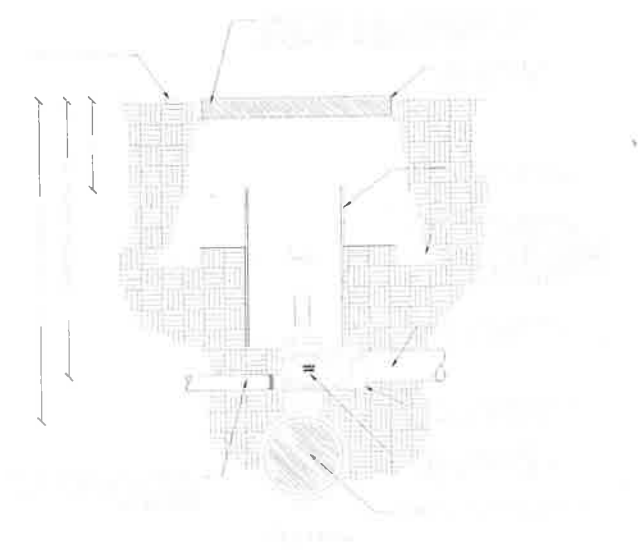
8 VALVE BOX PLACEMENT
 N.T.S. RFD DETAIL 141



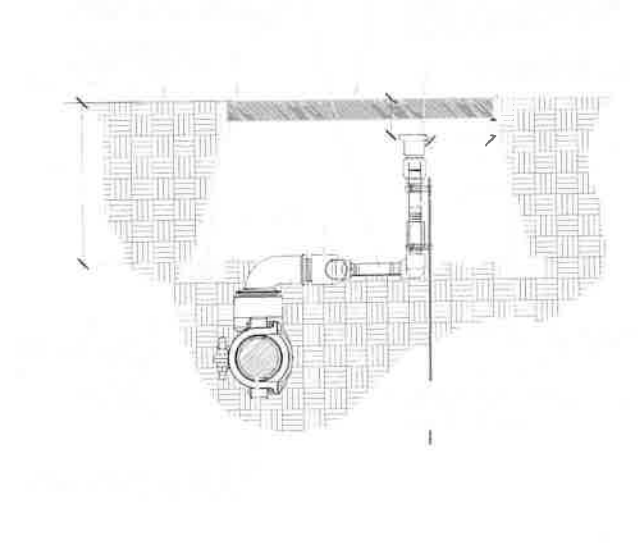
6 QUICK COUPLING VALVE INSTALLATION DETAIL
 N.T.S. RFD DETAIL 1700



4 CONTROLLER AND ENCLOSURE
 N.T.S. BOE VERSION 1-Jan-97 RFD DETAIL L1490



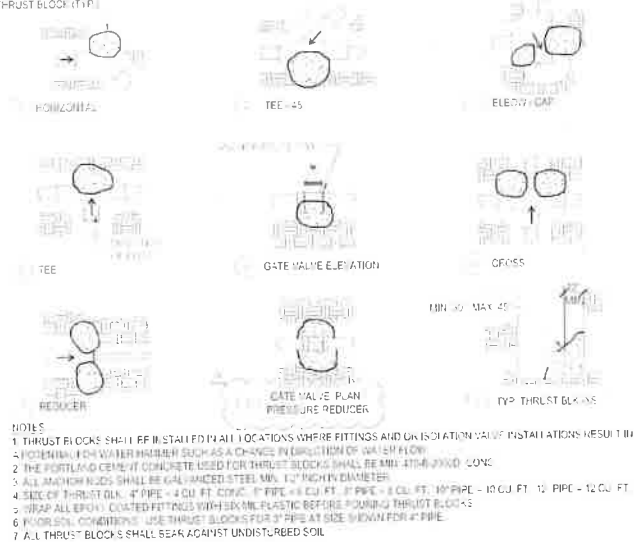
5 MANIFOLD GATE VALVE, 3" and Larger Mainline
 N.T.S. BOE VERSION 05-05 RF RFD DETAIL L1102



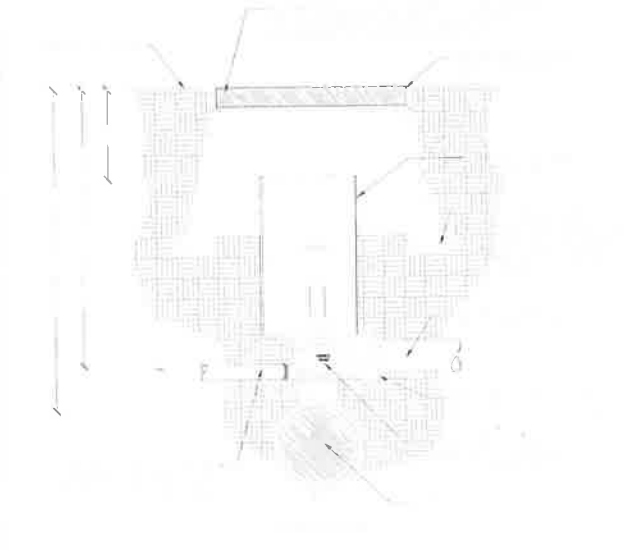
3 MANIFOLD GATE VALVE, 3" and Larger Mainline
 N.T.S. BOE VERSION 05-05 RF RFD DETAIL L1102



1 BACKFLOW PREVENTION UNIT, 3", 4" & 6"
 N.T.S. BOE VERSION 1-14-99 RDE PCM JPH RFD DETAIL L1022



2 THRUST BLOCKS
 N.T.S. RRM DETAIL



3 MANIFOLD GATE VALVE, 3" and Larger Mainline
 N.T.S. BOE VERSION 05-05 RF RFD DETAIL L1102



DRAFT 100% CONSTRUCTION DOCUMENTS

DEPARTMENT OF PUBLIC WORKS

CITY OF LOS ANGELES

BUREAU OF ENGINEERING

ENGINEERING CITY OF LOS ANGELES

INDEX NO.

BUILDING NO.

REVISIONS:

NO.	REVISIONS	DATE	BY
1	ISSUED FOR PERMITTING	7/14/22	EE
2	SPECIAL CONDITION 21B		

GARY LEE MOORE, PE, ENV SP CITY ENGINEER

ARCHITECT: ARCHITECTURAL DIVISION LIC. NO.

DESIGNED BY: MSAC

DRAWN BY: KSHH

CHECKED BY:

APPROVED BY: MAHMOOD KURUMADSEH, AIA, PRINCIPAL ARCHITECT

SHEET TITLE: IRRIGATION DETAILS

PROJECT:

ADDRESS:

WORK ORDER NO.

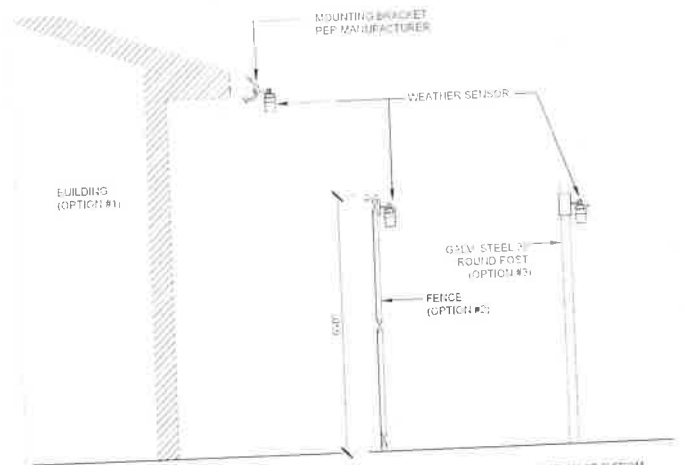
PLAN FILE NO.

DRAWING NO. L616

SHEET OF SHEETS

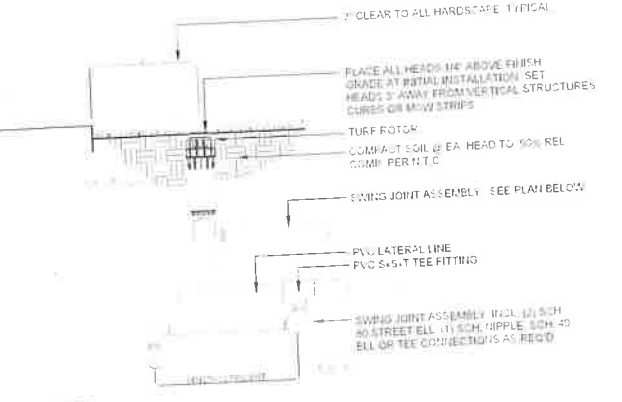
PRINTED 12-10-2018

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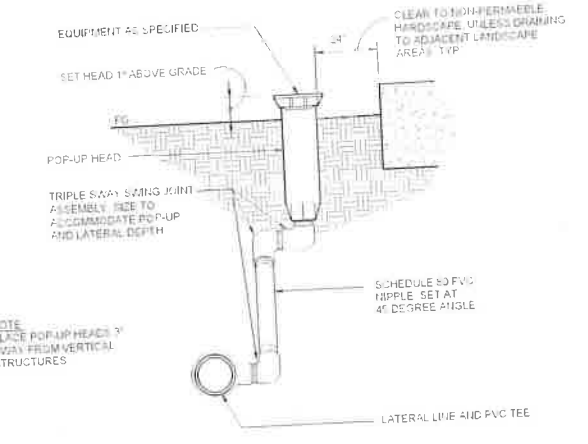
NOTES:
1. INSTALL WEATHER SENSOR CLEAR FROM OVERHEAD PROJECTIONS AT A MINIMUM ELEVATION OF 8' FROM THE GROUND. UTILIZE MANUFACTURER'S ACCESSORY CLIPS AND MOUNTING EQUIPMENT.
2. WEATHER SENSOR SHALL BE INSTALLED ON BUILT STRUCTURES PER OPTION #1 WHERE POSSIBLE. WHERE NO BUILT STRUCTURES ARE AVAILABLE, INSTALLATION SHALL BE PER OPTION #2 (WOOD STRIPS) OR OPTION #3 (TURF STRIPS) WHERE AVAILABLE. INSTALLATION SHALL BE PER OPTION #3 (TURF STRIPS) WHERE AVAILABLE. INSTALLATION SHALL BE PER OPTION #3 (TURF STRIPS) WHERE AVAILABLE.
3. INSTALL WEATHER SENSOR WITHIN RANGE OF RECEIVER MODULE.

10 WEATHER SENSOR
N.T.S.



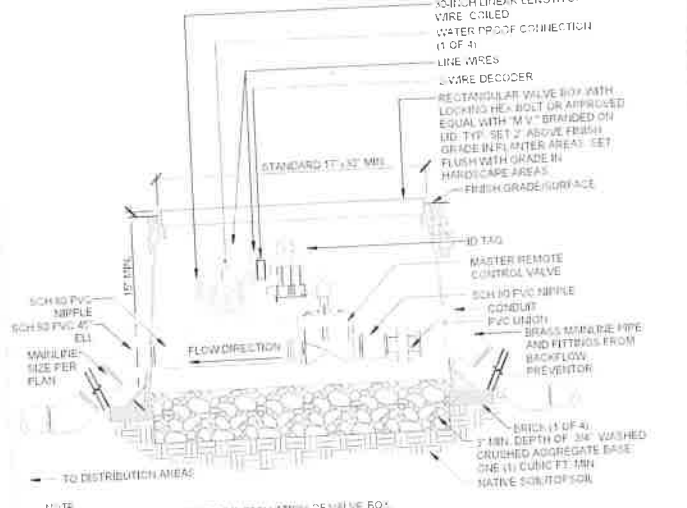
NOTES:
1. ALL PIPE THREADS ON SWING JOINT SHALL BE COATED WITH RECTORSEAL T PLUS.
2. TEFLON PIPE COMPOUND OR APPROVED EQUAL BEFORE ASSEMBLY. DO NOT USE PIPE COMPOUND AND TAPE ON SWING JOINT THREADS. TIGHTEN THREADS UNTIL MODERATELY STIFF. DO NOT OVERTIGHTEN THREADS.
3. SIZE THE SWING JOINT USING THE FOLLOWING CRITERIA:
4. USE 3/4\"/>

7 TURF ROTOR
RRM DETAIL N.T.S.



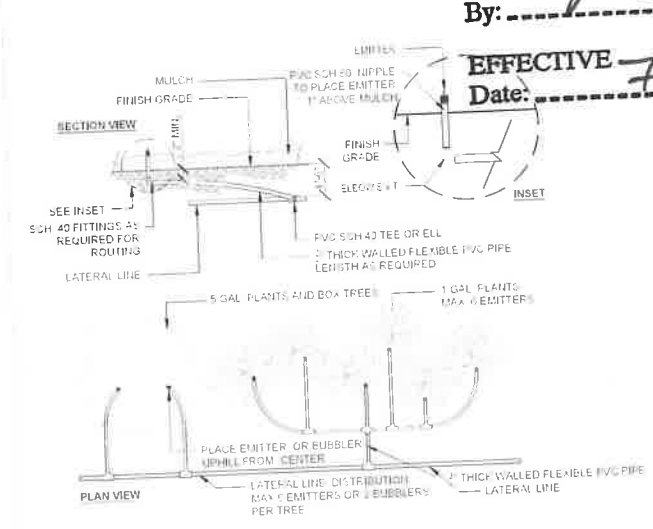
NOTE:
PLACE POP-UP HEAD 3\"/>

4 SPRAY POP-UP
RRM DETAIL N.T.S.

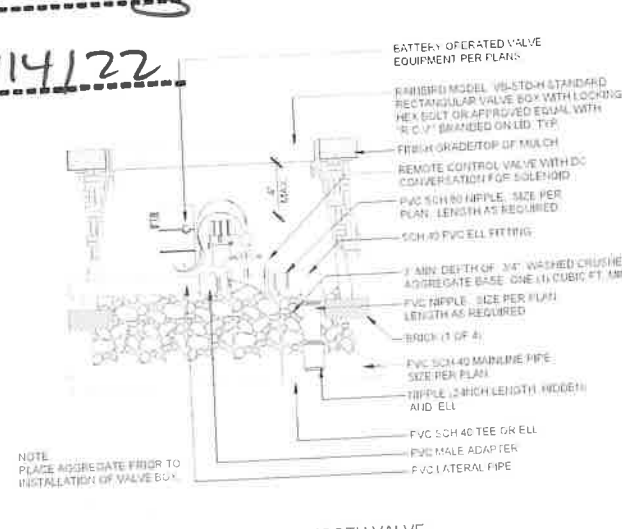


NOTE:
1. PLACE AGGREGATE PRIOR TO INSTALLATION OF VALVE BOX.
2. CONTRACTOR SHALL PROVIDE DECODER MODULES AT EACH AT EACH VALVE BOX FOR COMMUNICATING TO CONTROLLER.

1 MASTER VALVE (2-WIRE)
RRM DETAIL N.T.S.

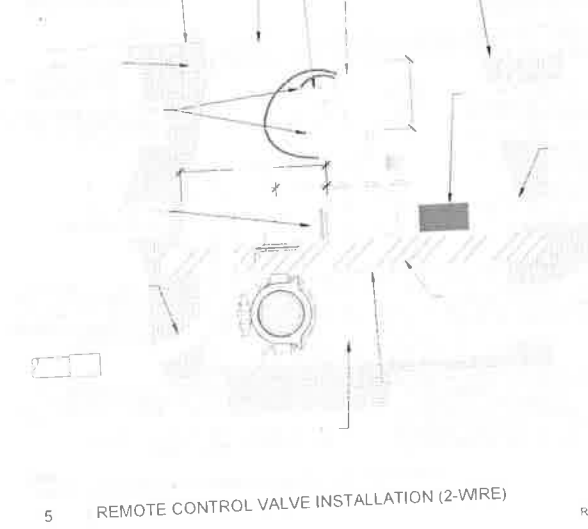


11 SINGLE OUTLET EMITTER
N.T.S.



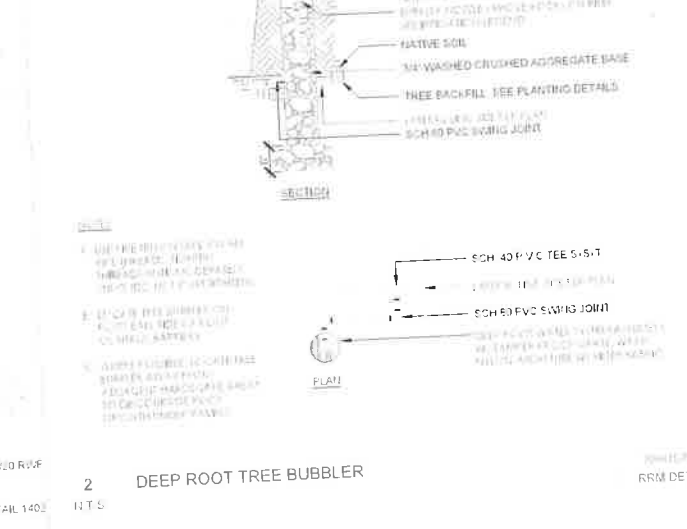
NOTE:
PLACE AGGREGATE PRIOR TO INSTALLATION OF VALVE BOX.

8 BATTERY OPERATED BLUETOOTH VALVE
RRM DETAIL N.T.S.



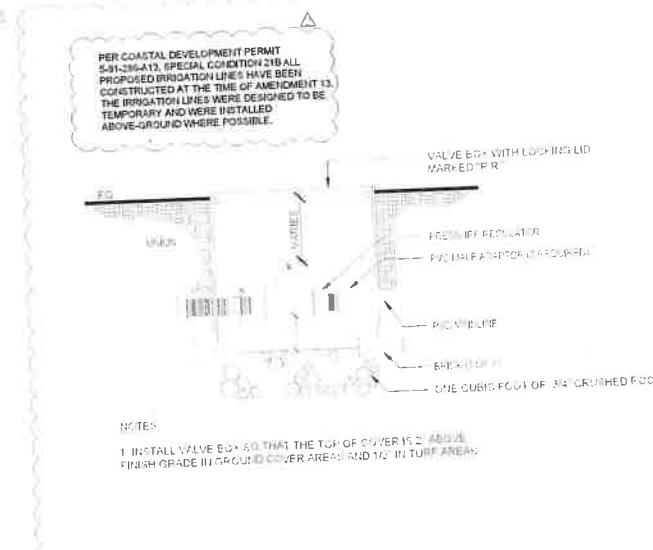
NOTE:
1. CONTRACTOR SHALL WIRE FLOW SENSOR TO IRRIGATION CONTROLLER IF CONTROLLER ALLOWS.
2. FLOW SENSOR MAKE AND MODEL SHALL BE COMPATIBLE WITH IRRIGATION CONTROLLER.

5 REMOTE CONTROL VALVE INSTALLATION (2-WIRE)
RRM DETAIL N.T.S.



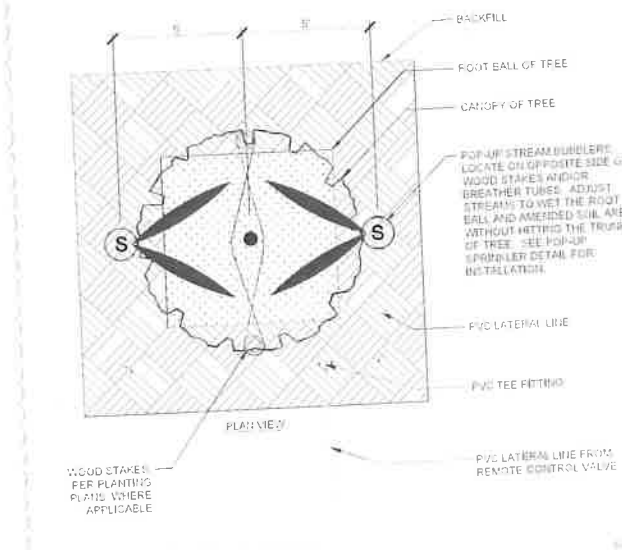
NOTE:
1. USE PIPE WITH SMOOTH FINISH AND SMOOTH INTERIOR SURFACE. DO NOT USE GALVANIZED PIPE OR PIPE WITH GALVANIZED FITTINGS.
2. USE 1\"/>

2 DEEP ROOT TREE BUBBLER
RRM DETAIL N.T.S.

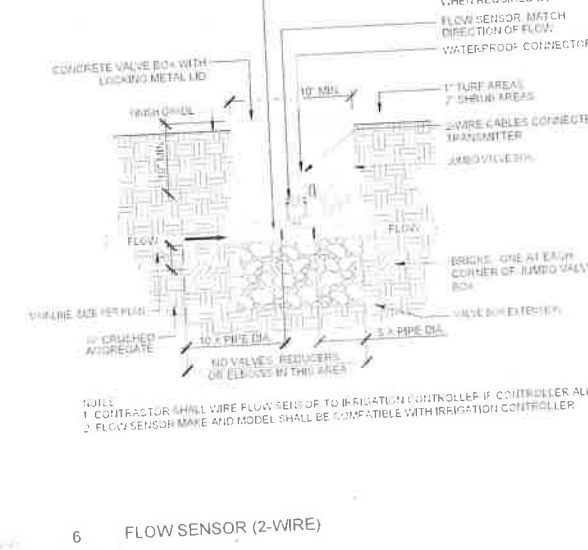


NOTE:
1. INSTALL VALVE BOX SO THAT THE TOP OF COVER IS 2\"/>

12 PRESSURE REDUCING VALVE
RRM DETAIL N.T.S.

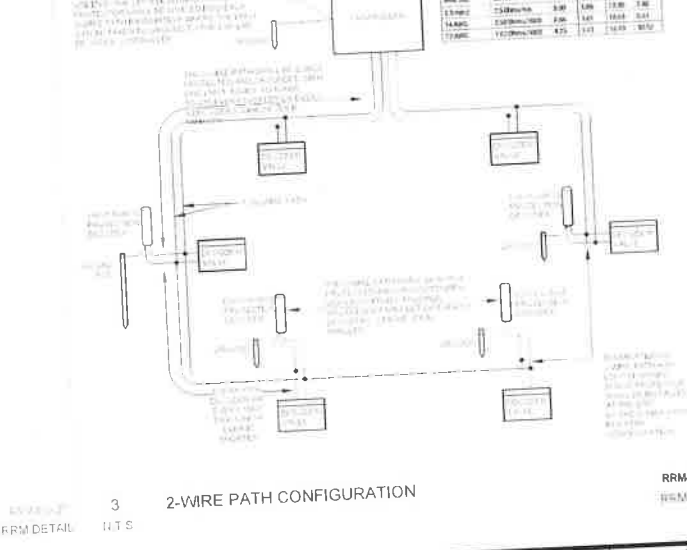


9 STREAM TREE BUBBLER
RRM DETAIL N.T.S.



NOTE:
1. CONTRACTOR SHALL WIRE FLOW SENSOR TO IRRIGATION CONTROLLER IF CONTROLLER ALLOWS.
2. FLOW SENSOR MAKE AND MODEL SHALL BE COMPATIBLE WITH IRRIGATION CONTROLLER.

6 FLOW SENSOR (2-WIRE)
RRM DETAIL N.T.S.



3 2-WIRE PATH CONFIGURATION
RRM DETAIL N.T.S.

California Coastal Commission
South Coast District Office
APPROVED
Permit No. 5-91-286-A13
By: [Signature]
EFFECTIVE Date: 7/14/22

BUREAU OF ENGINEERING
DATE: 7/14/22
BY: [Signature]
CHECKED BY: [Signature]
DESIGNED BY: MS/JAC
DRAWN BY: KSR/B
CHECKED BY: [Signature]
APPROVED BY: HARSHOD KARUMZADEH, A.J.A., PRINCIPAL ARCHITECT

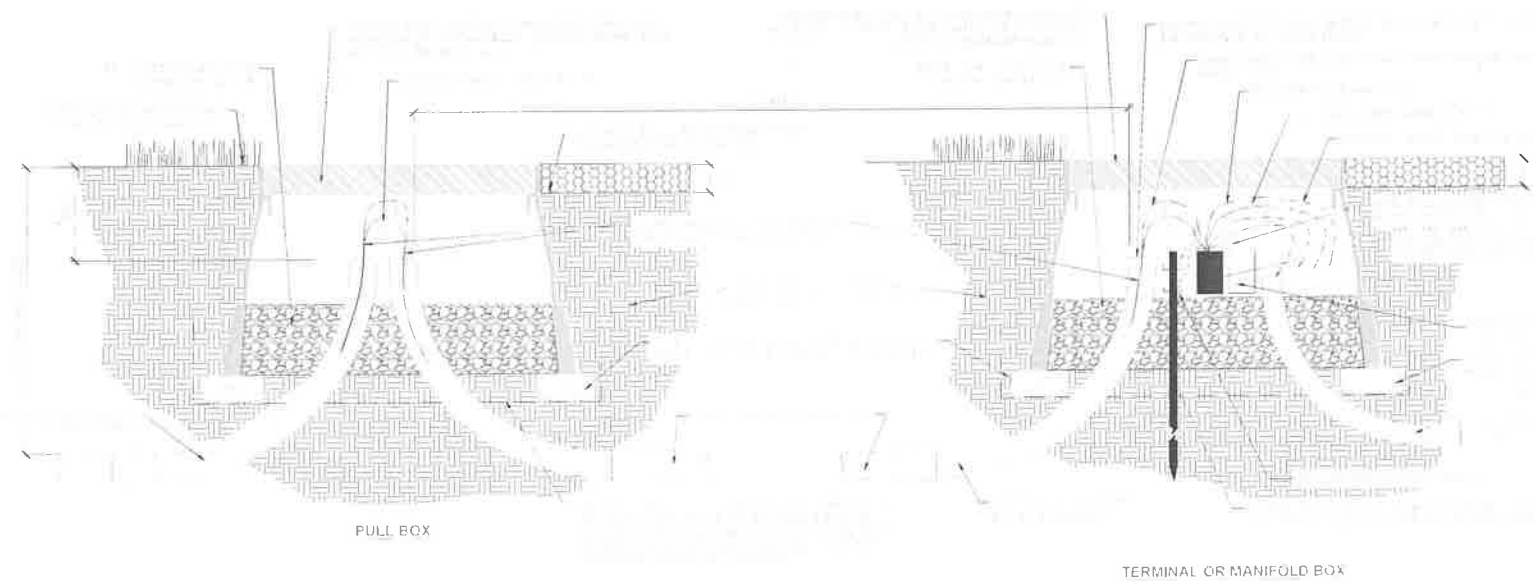
DEPARTMENT OF PUBLIC WORKS
DATE: []
ARCHITECT: []
DESIGNED BY: MS/JAC
DRAWN BY: KSR/B
CHECKED BY: [Signature]
APPROVED BY: HARSHOD KARUMZADEH, A.J.A., PRINCIPAL ARCHITECT

CITY OF LOS ANGELES
HORIZONTAL CONTROL
VERTICAL CONTROL
SHEET TITLE: IRRIGATION DETAILS
PROJECT: []
ADDRESS: []

WORK ORDER NO. []
PLAN FILE NO. []
DRAWING NO. L617
SHEET OF SHEETS

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

REVISION DATE (MONTH DAY YEAR)



1 2-WIRE CABLE INSTALLATION AND GROUNDING

PP-CET-PL 11-10

California Coastal Commission
 South Coast District Office
 APPROVED
 Permit No. 5-91-286-A13
 By: [Signature]
 EFFECTIVE
 Date: 7/14/77

PER COASTAL DEVELOPMENT PERMIT 5-91-286-A13, SPECIAL CONDITION 2, ALL PROPOSED IRRIGATION LINES HAVE BEEN CONSTRUCTED AT THE TIME OF AMENDMENT 13. THE IRRIGATION LINES WERE DESIGNED TO BE TEMPORARY AND WERE INSTALLED ABOVE-GROUND WHERE POSSIBLE.

NOTES

1. ALL IRRIGATION LINES SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITIONS OF THE CALIFORNIA IRRIGATION CODE AND THE CALIFORNIA IRRIGATION MANUAL.
 2. IRRIGATION LINES SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITIONS OF THE CALIFORNIA IRRIGATION CODE AND THE CALIFORNIA IRRIGATION MANUAL.
 3. IRRIGATION LINES SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITIONS OF THE CALIFORNIA IRRIGATION CODE AND THE CALIFORNIA IRRIGATION MANUAL.
- TWO-WIRE SYSTEM GROUNDING REQUIREMENTS:
- ALL IRRIGATION LINES SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITIONS OF THE CALIFORNIA IRRIGATION CODE AND THE CALIFORNIA IRRIGATION MANUAL.
- CONNECTIONS TO GROUNDING RODS:
- ALL IRRIGATION LINES SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITIONS OF THE CALIFORNIA IRRIGATION CODE AND THE CALIFORNIA IRRIGATION MANUAL.

DRAFT 100% CONSTRUCTION DOCUMENTS

CITY OF LOS ANGELES		DEPARTMENT OF PUBLIC WORKS		BUREAU OF ENGINEERING	
VERTICAL CONTROL		ARCHITECT		DATE	
HORIZONTAL CONTROL		DESIGNED BY: MS/AC		DATE	
SHEET TITLE: IRRIGATION DETAILS		DRAWN BY: NEM/H		DATE	
PROJECT: [REDACTED]		CHECKED BY:		DATE	
ADDRESS: [REDACTED]		APPROVED BY: MAHMOOD KARIMZADEH, A.L.A., PRINCIPAL ARCHITECT		BUILDING NO.	
WORK ORDER NO.		ARCHITECTURAL DIVISION		INDEX NO.	
PLAN FILE NO.		CITY ENGINEER		CITY OF LOS ANGELES	
DRAWING NO. L618		ARCHITECTURAL DIVISION		ENGINEERING	
SHEET OF SHEETS		CITY ENGINEER		CITY OF LOS ANGELES	

"WET" RIPARIAN TREES						
SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	Q. OF PLANTS PER ACRE	COMMENTS	Q.C. SPACING DTY
	JUGLANS CALIFORNICA	SOUTHERN CALIFORNIA BLACK WALNUT	90" 1 GAL. 100" 15 GAL.	15	SPACED RANDOMLY OR AS MARKED ON PLANS	20'-0" 20
	POPULUS FREMONTII SPP. FREMONTII	FREMONT'S COTTONWOOD	90" 5 GAL. 100" 15 GAL.	30	SPACED RANDOMLY OR AS MARKED ON PLANS	30'-0" TO 40'-0" 34
	SALIX GOODINGII	BLACK WILLOW	1 GAL	36	SPACED RANDOMLY OR AS MARKED ON PLANS	30'-0" TO 45'-0" 41
	SALIX LAEVIGATA	RED WILLOW	1 GAL	36	SPACED RANDOMLY OR AS MARKED ON PLANS	30'-0" TO 45'-0" 41

"WET" RIPARIAN CONTAINER STOCK						
BOTANICAL NAME	COMMON NAME	SIZE	Q. OF PLANTS PER ACRE	COMMENTS	Q.C. SPACING	DTY
BACCHARIS SALICIFOLIA SPP. SALICIFOLIA	MULE FAT	1 GAL	35	GROUPINGS OF 2-5 INDIVIDUALS	5'-0" TO 12'-0"	471
CAREX BARBERAE	VALLEY SEDGE	1 GAL	6	GROUPINGS OF 2-5 INDIVIDUALS	1'-0" TO 3'-0"	80
JUNCUS PATENS	CALIFORNIA GRAY RUSH	1 GAL	7	GROUPINGS OF 2-5 INDIVIDUALS	2'-0"	94
MIMULUS CARDINALIS	SCARLET MONKEY FLOWER	1 GAL	5	GROUPINGS OF 3-4 INDIVIDUALS	2'-6"	67
MIMULUS GUTTATUS	SEEP MONKEY FLOWER	1 GAL	7	GROUPINGS OF 3-7 INDIVIDUALS	1'-0" TO 3'-0"	94
MUHLENBERGIA RIGENS	DEER GRASS	1 GAL	5	GROUPINGS OF 2-5 INDIVIDUALS	2'-0"	67
OENOTHERA ELATA	HOOKER'S EVENING PRIMROSE	1 GAL	5	GROUPINGS OF 3-7 INDIVIDUALS	3'-0"	57
SALIX EXIGUA	NARROW LEAVED WILLOW	1 GAL	15	SPACED RANDOMLY OR AS MARKED ON PLANS	6'-0" TO 16'-0"	202
SALIX LASIOLEPS	ARROYO WILLOW	1 GAL	15	SPACED RANDOMLY OR AS MARKED ON PLANS	6'-0" TO 35'-0"	202

"WET" RIPARIAN HYDROSEED MIX						
BOTANICAL NAME	COMMON NAME	LBS/ACRE	ACREAGE	COMMENTS	Q.C. SPACING	DTY
AGROSTIS EXARATA	SPIKE BENTGRASS	3				
CAREX BARBERAE	VALLEY SEDGE	2				
CAREX SPISSA	SAN DIEGO SEDGE	2				
EPILOBIUM CLIATUM	GREEN WILLOW HERB	0.5				
EQUISETUM HYEMALE SPP. AFFINE	HORSETAIL	CURRENTLY UNAVAILABLE				
EUTHAMIA OCCIDENTALIS	WESTERN GOLDENROD	1	27			
JUNCUS PATENS	CALIFORNIA GRAY RUSH	1				
JUNCUS TEXTILLIS	TEXTILE RUSH	CURRENTLY UNAVAILABLE				
JUNCUS TORREYI	TORREY'S RUSH	0.5				
MIMULUS CARDINALIS	SCARLET MONKEY FLOWER	1				
MIMULUS GUTTATUS	SEEP MONKEY FLOWER	2				
MUHLENBERGIA RIGENS	DEER GRASS	4				
OENOTHERA ELATA	HOOKER'S EVENING PRIMROSE	0				
PHYLLA NODIFLORA	LIPPIA	1				

"DRY" RIPARIAN TREES						
SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	Q. OF PLANTS PER ACRE	COMMENTS	Q.C. SPACING DTY
	JUGLANS CALIFORNICA	SOUTHERN CALIFORNIA BLACK WALNUT	90" 1 GAL. 100" 15 GAL.	10	SPACED RANDOMLY OR AS MARKED ON PLANS	20'-0" 13
	PLATANUS RACEMOSA	CALIFORNIA SYCAMORE	90" 5 GAL. 100" 15 GAL.	30	SPACED RANDOMLY OR AS MARKED ON PLANS	20'-0" TO 50'-0" 37
	POPULUS FREMONTII SPP. FREMONTII	FREMONT'S COTTONWOOD	90" 5 GAL. 100" 15 GAL.	10	SPACED RANDOMLY OR AS MARKED ON PLANS	30'-0" TO 40'-0" 13
	QUERCUS AGRIFOLIA	COAST LIVE OAK	90" 5 GAL. 100" 15 GAL.	25	SPACED RANDOMLY OR AS MARKED ON PLANS	30'-0" TO 65'-0" 31
	SALIX GOODINGII	BLACK WILLOW	1 GAL	10	SPACED RANDOMLY OR AS MARKED ON PLANS	30'-0" TO 45'-0" 13
	SALIX LAEVIGATA	RED WILLOW	1 GAL	15	SPACED RANDOMLY OR AS MARKED ON PLANS	30'-0" TO 45'-0" 18

"DRY" RIPARIAN CONTAINER STOCK						
BOTANICAL NAME	COMMON NAME	SIZE	Q. OF PLANTS PER ACRE	COMMENTS	Q.C. SPACING	DTY
BACCHARIS SALICIFOLIA SPP. SALICIFOLIA	MULE FAT	1 GAL	38	GROUPINGS OF 2-5 INDIVIDUALS	6'-0" TO 12'-0"	1034
CLEMATIS LIGUSTICIFOLIA	WESTERN VIRGIN'S BOWER	1 GAL	8	SPACED RANDOMLY AS INDIVIDUALS OR GROUPINGS OF 2	PER PROJECT BIOLOGIST	217
ELYMUS CONDENSATUS	GIANT WILD RYE	1 GAL	13	GROUPINGS OF 3-4 INDIVIDUALS	6'-0"	353
HETEROMELES ARBUTIFOLIA	TOYON	5 GAL	5	SPACED RANDOMLY OR AS MARKED ON PLANS	15'-0"	136
MUHLENBERGIA RIGENS	DEER GRASS	1 GAL	13	GROUPINGS OF 2-5 INDIVIDUALS	2'-0"	353
ROSA CALIFORNICA	CALIFORNIA WILD ROSE	5 GAL	13	GROUPINGS OF 2-5 INDIVIDUALS	3'-0" TO 6'-0"	353
RUBUS URSINUS	CALIFORNIA BLACKBERRY	1 GAL	5	GROUPINGS OF 2-3 INDIVIDUALS	10'-0" TO 20'-0"	136
SAMBUCUS MEXICANA	BLUE ELDERBERRY	5 GAL	5	SPACED RANDOMLY OR IN GROUPS OF 2	10'-0" TO 15'-0"	136

"DRY" RIPARIAN HYDROSEED MIX						
BOTANICAL NAME	COMMON NAME	LBS/ACRE	ACREAGE	COMMENTS	Q.C. SPACING	DTY
ACHILLEA MILLEFOLIUM	YARROW	2				
ARTEMISIA DOUGLASSIANA	MUGWORT	4				
ARTEMISIA DRACUNCULUS	WILD TARRAGON	3				
BACCHARIS PILLULARIS SPP. CONSANGUINEA	COYOTE BUSH	2	59			
ENCELIA CALIFORNICA	BUSH SUNFLOWER	2				
ERIOPHYLLUM CONFERTIFLORUM	GOLDEN YARROW	4				
MIMULUS AURANTIACUS	STICKY MONKEY FLOWER	2				
SOLIDAGO CALIFORNICA	CALIFORNIA GOLDENROD	1				
VENEGASIA CARPESIOIDES	CANYON SUNFLOWER	CURRENTLY UNAVAILABLE				

RIPARIAN ADJACENT WOODLANDS/COASTAL SCRUB TRANSITION TREES						
SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	Q. OF PLANTS PER ACRE	COMMENTS	Q.C. SPACING DTY
	JUGLANS CALIFORNICA	SOUTHERN CALIFORNIA BLACK WALNUT	90" 1 GAL. 100" 15 GAL.	40	SPACED RANDOMLY OR AS MARKED ON PLANS	20'-0" 59
	QUERCUS AGRIFOLIA	COAST LIVE OAK	90" 5 GAL. 100" 15 GAL.	60	SPACED RANDOMLY OR AS MARKED ON PLANS	30'-0" TO 65'-0" 88

RIPARIAN ADJACENT WOODLANDS/COASTAL TRANSITION CONTAINER STOCK						
BOTANICAL NAME	COMMON NAME	SIZE	Q. OF PLANTS PER ACRE	COMMENTS	Q.C. SPACING	DTY
BACCHARIS PILLULARIS SPP. CONSANGUINEA	COYOTE BUSH	1 GAL	45	GROUPINGS OF 2-3 INDIVIDUALS	6'-0" TO 8'-0"	1577
CEANOTHUS SPINOSUS	GREENBARK CEANOTHUS	5 GAL	5	SPACED RANDOMLY AS INDIVIDUALS OR GROUPINGS OF 2	8'-0"	175
ELYMUS CONDENSATUS	GIANT WILD RYE	1 GAL	40	GROUPINGS OF 3-4 INDIVIDUALS	6'-0"	1400
HETEROMELES ARBUTIFOLIA	TOYON	5 GAL	5	SPACED RANDOMLY OR AS MARKED ON PLANS	15'-0"	175
SAMBUCUS MEXICANA	BLUE ELDERBERRY	5 GAL	5	SPACED RANDOMLY OR IN GROUPS OF 2	8'-0" TO 12'-0"	175

RIPARIAN ADJACENT WOODLANDS/COASTAL TRANSITION HYDROSEED MIX						
BOTANICAL NAME	COMMON NAME	LBS/ACRE	ACREAGE	COMMENTS	Q.C. SPACING	DTY
ACHILLEA MILLEFOLIUM	YARROW	2				
ARTEMISIA DOUGLASSIANA	MUGWORT	4				
BACCHARIS PILLULARIS SPP. CONSANGUINEA	COYOTE BUSH	3	7.0			
ENCELIA CALIFORNICA	BUSH SUNFLOWER	2				
ERIOPHYLLUM CONFERTIFLORUM	GOLDEN YARROW	4				
MIMULUS AURANTIACUS	STICKY MONKEY FLOWER	2				
SOLIDAGO CALIFORNICA	CALIFORNIA GOLDENROD	1				
VENEGASIA CARPESIOIDES	CANYON SUNFLOWER	CURRENTLY UNAVAILABLE				

FUEL MODIFICATION ZONE TREES						
SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	Q. OF PLANTS PER ACRE	COMMENTS	Q.C. SPACING DTY
	JUGLANS CALIFORNICA	SOUTHERN CALIFORNIA BLACK WALNUT	90" 1 GAL. 100" 15 GAL.	30	SPACED RANDOMLY OR AS MARKED ON PLANS	20'-0" 22
	QUERCUS AGRIFOLIA	COAST LIVE OAK	90" 5 GAL. 100" 15 GAL.	70	SPACED RANDOMLY OR AS MARKED ON PLANS	30'-0" TO 65'-0" 52

FUEL MODIFICATION ZONE CONTAINER STOCK						
BOTANICAL NAME	COMMON NAME	SIZE	Q. OF PLANTS PER ACRE	COMMENTS	Q.C. SPACING	DTY
CEANOTHUS SPINOSUS	GREENBARK CEANOTHUS	1 GAL	3	SPACED RANDOMLY AS INDIV. OR GROUPS OF 2	8'-0"	34
HETEROMELES ARBUTIFOLIA	TOYON	5 GAL	3	SPACED RANDOMLY OR AS MARKED ON PLANS	15'-0"	34
SAMBUCUS MEXICANA	BLUE ELDERBERRY	5 GAL	2	GROUPINGS OF 3-7 INDIVIDUALS	3'-0" TO 6'-0"	23
ACMISPON GLABER	DEERWEED	1 GAL	5	GROUPINGS OF 3-5 INDIVIDUALS	3'-0" TO 5'-0"	175
ENCELIA CALIFORNICA	BUSH SUNFLOWER	1 GAL	8	GROUPINGS OF 3-7 INDIVIDUALS	1'-0" TO 6'-0"	110
ERIOGONUM CINERUM	ASHY-LEAF BUCKWHEAT	1 GAL	5	GROUPINGS OF 3-4 INDIVIDUALS	3'-0"	110
ISOCOMA MENZIESII VAR. DECUMBENS	DECUMBENT GOLDENBUSH	1 GAL	5	GROUPINGS OF 3-4 INDIVIDUALS	3'-0"	110
MALACOTHAMNUS FASCICULATUS	BUSH MALLOW	1 GAL	10	GROUPINGS OF 2-4 INDIVIDUALS	6'-0"	222
MIMULUS AURANTIACUS	STICKY MONKEY FLOWER	1 GAL	5	GROUPINGS OF 3-4 INDIVIDUALS	3'-0"	110
PERITOMA ARBOREA	BLADDERPOD	1 GAL	3	SPACED RANDOMLY OR IN GROUPS OF 2	5'-0" TO 10'-0"	66
RHUS INTEGRIFOLIA	LEMONADE BERRY	5 GAL	3	SPACED RANDOMLY OR IN GROUPS OF 2	5'-0" TO 10'-0"	66
SALVIA APIANA	WHITE SAGE	5 GAL	4	GROUPINGS OF 3-5 INDIVIDUALS	4'-0" TO 6'-0"	88
SALVIA MELLIFERA	BLACK SAGE	5 GAL	4	GROUPINGS OF 3-5 INDIVIDUALS	6'-0"	88
AGAVE SHAMI	SHAW'S AGAVE	5 GAL	5	SPACED RANDOMLY AS INDIVIDUALS OR GROUPS OF 2	4'-0" TO 5'-0"	160
HESPERUYOCCA WHIPPLEI	CHAPARRAL YUCCA	5 GAL	5	SPACED RANDOMLY AS INDIVIDUALS	3'-0"	160
OPUNTIA LITTOREALIS	COASTAL PRICKLY PEAR	5 GAL	30	GROUPINGS OF 3-15 INDIVIDUALS	6'-0" TO 10'-0"	962

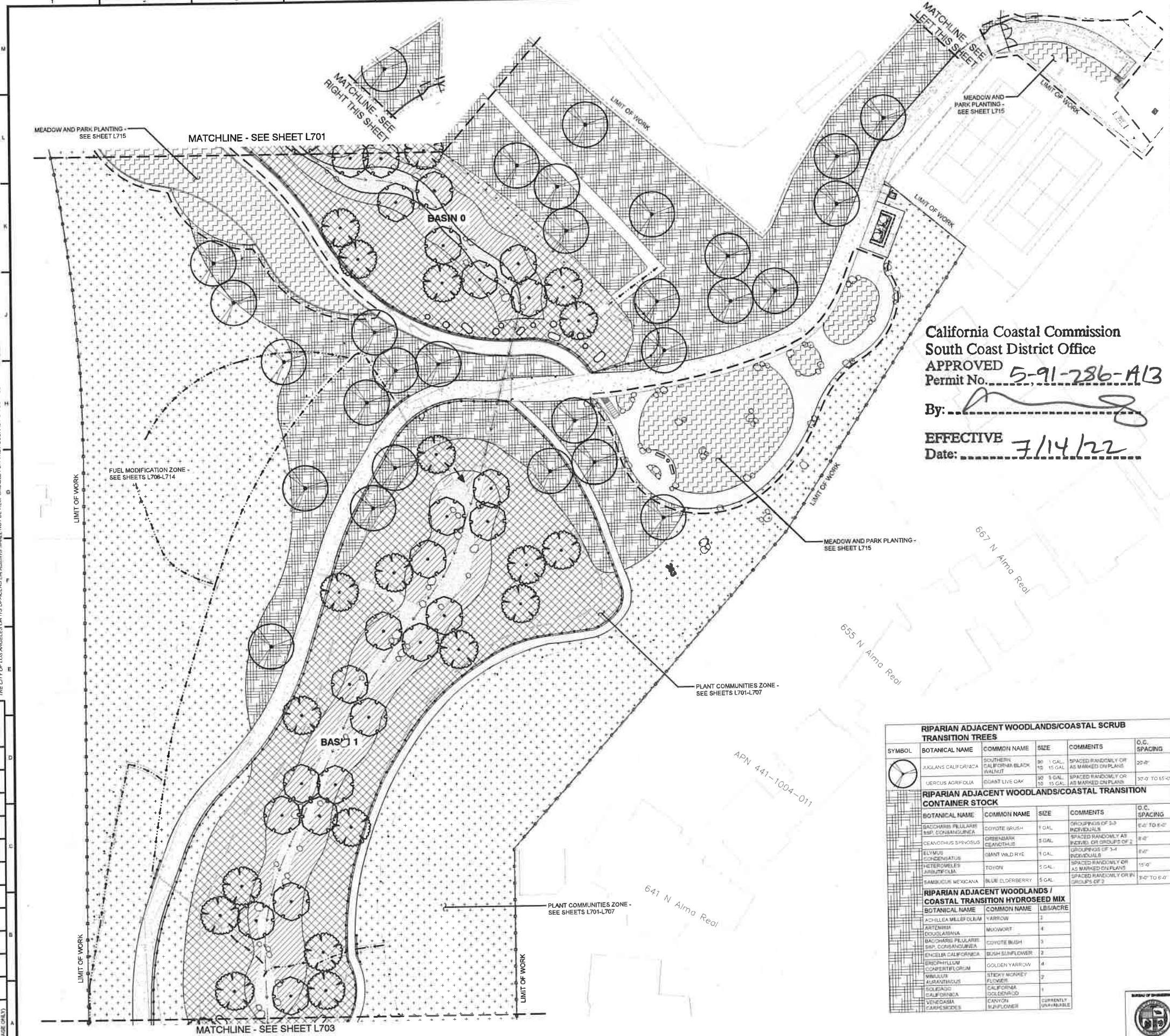
FUEL MODIFICATION ZONE HYDROSEED MIX						
BOTANICAL NAME	COMMON NAME	LBS/ACRE	ACREAGE	COMMENTS	Q.C. SPACING	DTY
BLOOMERIA CROCEA	GOLDEN STARS	1	14.5			
CAMISSONIA MICRANTHA	SMALL PRIMROSE	CURRENTLY UNAVAILABLE				
CLARKIA BOTTAE	FAREWELL-TO-SPRING	0.5				
CROTCH SETIGERUS	TURKEY MULEIN	2				
CUCURBITA FOETIDISSIMA	STINKING GOURD	4				
ESCHSCHOLZIA CAESPITOSA	DRAB CALIFORNIA POPPY	2				
GRINDELIA STRICTA	COASTAL GUM PLANT	CURRENTLY UNAVAILABLE				
LASTHENIA CALIFORNICA	COAST GOLDFIELDS	1				
LASTHENIA CORONARIA	SOUTHERN GOLDFIELDS	CURRENTLY UNAVAILABLE				
LOTUS PURSHIANUS	SPANISH CLOVER	3				
LOTUS SALICINOSUS	COASTAL LOTUS	2				
LOTUS STRIGOSUS	STRIGOSE LOTUS	1				
LUPINUS BICOLOR	DOVE LUPINE	2				
LUPINUS NANUS	SKY LUPINE	3				
LUPINUS TRUNCATUS	COLLAR LUPINE	3				
NEMOPHILA MENZIESII	BBY BLUE EYES	1				
PHACELIA MINOR	CALIFORNIA BLUEBELLS	0.5				
SISYRINCHIUM BELLUM	BLUE-EYED GRASS	2				

COASTAL BLUFF SCRUB CONTAINER STOCK						
BOTANICAL NAME	COMMON NAME	SIZE	Q. OF PLANTS PER ACRE	COMMENTS	Q.C. SPACING	DTY
ACMISPON GLABER	DEERWEED	1 GAL	8	GROUPINGS OF 3-7 INDIVIDUALS	3'-0"	130
ATRIPLEX LENTIFORMIS SPP. BREVEVENSIS	QUAIL BUSH	1 GAL	3	SPACED RANDOMLY AS INDIVIDUALS OR GROUPINGS OF 2	12'-0" TO 15'-0"	49
BACCHARIS PILLULARIS	COYOTE BUSH	1 GAL	9	GROUPINGS OF 2-3 INDIVIDUALS	6'-0" TO 8'-0"	145
CYLINDROPUNTIA PROLIFERA	COAST CHOLLA	5 GAL	4	SPACED RANDOMLY AS INDIVIDUALS OR GROUPINGS OF 2	10'-0" TO 15'-0"	65
ENCELIA CALIFORNICA	BUSH SUNFLOWER	1 GAL	8	GROUPINGS OF 3-7 INDIVIDUALS	1'-0" TO 6'-0"	130
ERIOGONUM CINERUM	ASHY-LEAF BUCKWHEAT	1 GAL	8	GROUPINGS OF 3-7 INDIVIDUALS	4'-0"	145
ERIOGONUM FASCICULATUM	CALIFORNIA BUCKWHEAT	1 GAL	9	SPACED RANDOMLY AS INDIVIDUALS	3'-0"	65
HESPERUYOCCA WHIPPLEI	CHAPARRAL YUCCA	5 GAL	4	GROUPINGS OF 3-4 INDIVIDUALS	3'-0"	97
ISOCOMA MENZIESII VAR. VERONICOIDES	COASTAL GOLDENBUSH	1 GAL	6	GROUPINGS OF 2-3 INDIVIDUALS	6'-0"	65
LYCUM CALIFORNICUM	CALIFORNIA BOX THORN	1 GAL	4	GROUPINGS OF 2-4 INDIVIDUALS	6'-0"	65
MALACOTHAMNUS FASCICULATUS	BUSH MALLOW	1 GAL	4	GROUPINGS OF 3-4 INDIVIDUALS	3'-0"	81
MIMULUS AURANTIACUS	STICKY MONKEY FLOWER	1 GAL	5	GROUPINGS OF 3-15 INDIVIDUALS	6'-0" TO 10'-0"	162
OPUNTIA LITTOREALIS	COASTAL PRICKLY PEAR	5 GAL	10	GROUPINGS OF 3-4 INDIVIDUALS	6'-0"	81
PERITOMA ARBOREA	BLADDERPOD	5 GAL	5	SPACED RANDOMLY OR IN GROUPS OF 2	5'-0" TO 10'-0"	49
RHUS INTEGRIFOLIA	LEMONADE BERRY	5 GAL	5	GROUPINGS OF 3-5 INDIVIDUALS	4'-0" TO 5'-0"	81
SALVIA APIANA	WHITE SAGE	5 GAL	5	GROUPINGS OF 3-5 INDIVIDUALS	6'-0"	81
SALVIA MELLIFERA	BLACK SAGE	5 GAL	5	GROUPINGS OF 3-5 INDIVIDUALS	6'-0"	81

COASTAL BLUFF SCRUB HYDROSEED MIX						
BOTANICAL NAME	COMMON NAME	LBS/ACRE	ACREAGE	COMMENTS	Q.C. SPACING	DTY
BLOOMERIA CROCEA	GOLDEN STARS	1				
CAMISSONIA MICRANTHA	SMALL PRIMROSE	CURRENTLY UNAVAILABLE				
CLARKIA BOTTAE	FAREWELL-TO-SPRING	0.5				
CROTCH SETIGERUS	TURKEY MULEIN	2				
CUCURBITA FOETIDISSIMA	STINKING GOURD	4				
ESCHSCHOLZIA CAESPITOSA	DRAB CALIFORNIA POPPY	2				
GRINDELIA STRICTA	COASTAL GUM PLANT	CURRENTLY UNAVAILABLE				
LASTHENIA CALIFORNICA	COAST GOLDFIELDS	1				
LASTHENIA CORONARIA	SOUTHERN GOLDFIELDS	CURRENTLY UNAVAILABLE				
LOTUS PURSHIANUS	SPANISH CLOVER	3				
LOTUS SALICINOSUS	COASTAL LOTUS	2				
LOTUS STRIGOSUS	STRIGOSE LOTUS	1				
LUPINUS BICOLOR	DOVE LUPINE	2				
LUPINUS NANUS	SKY LUPINE	3				
LUPINUS TRUNCATUS	COLLAR LUPINE	3				
NEMOPHILA MENZIESII	BBY BLUE EYES	1				
PHACELIA MINOR	CALIFORNIA BLUEBELLS	0.5				
SISYRINCHIUM BELLUM	BLUE-EYED GRASS	2				

TEMPLATE SHEET REVISION DATE: 08/2014
 REVISION DATE: 10/13/2020 5:06 PM FILE: N: 2011 1311937-POTRERO-CANYON PARK PLANNING CONSTRUCTION DOCUMENTS AUTOCAD 1311938-PP-30 HABITATS.DWG

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California Coastal Commission
 South Coast District Office
 APPROVED
 Permit No. 5-91-286-A13
 By: _____
 EFFECTIVE
 Date: 7/14/22

"WET" RIPARIAN TREES					
SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	COMMENTS	O.C. SPACING
○	JUGLANS CALIFORNICA	SOUTHERN CALIFORNIA BLACK WALNUT	90 1 GAL. 10 15 GAL.	SPACED RANDOMLY OR AS MARKED ON PLANS	25'-0"
○	POPULUS FREMONTI SPP. FREMONTI	FREMONT'S COTTONWOOD	90 1 GAL. 10 15 GAL.	SPACED RANDOMLY OR AS MARKED ON PLANS	30'-0" TO 40'-0"
○	SALIX GOODENOUGHII	BLACK WILLOW	1 GAL.	SPACED RANDOMLY OR AS MARKED ON PLANS	30'-0" TO 40'-0"
○	SALIX LAEVIGATA	RED WILLOW	1 GAL.	SPACED RANDOMLY OR AS MARKED ON PLANS	30'-0" TO 40'-0"

"WET" RIPARIAN CONTAINER STOCK				
BOTANICAL NAME	COMMON NAME	SIZE	COMMENTS	O.C. SPACING
BACCHARIS SALICIFOLIA SPP. SALICIFOLIA	MULE FAT	1 GAL.	GROUPINGS OF 2-6 INDIVIDUALS	6'-0" TO 12'-0"
CAREX BARBERAE	VALLEY SEDGE	1 GAL.	GROUPINGS OF 2-6 INDIVIDUALS	1'-0" TO 3'-0"
JUNCUS PATENS	CALIFORNIA GRAY RUSH	1 GAL.	GROUPINGS OF 2-6 INDIVIDUALS	7'-0"
MIMULUS CARDINALIS	SCARLET MONKEY FLOWER	1 GAL.	GROUPINGS OF 3-4 INDIVIDUALS	7'-0"
MIMULUS GUTTATUS	STICKY MONKEY FLOWER	1 GAL.	GROUPINGS OF 3-7 INDIVIDUALS	1'-0" TO 3'-0"
MUHLENBERGIA RIGENS	DEER GRASS	1 GAL.	GROUPINGS OF 2-5 INDIVIDUALS	7'-0"
OENOTHERA ELATA	HOOKER'S EVENING PRIMROSE	1 GAL.	GROUPINGS OF 3-7 INDIVIDUALS	3'-0"
SALIX ELAUGA	NARROW LEAVED WILLOW	1 GAL.	SPACED RANDOMLY OR AS MARKED ON PLANS	6'-0" TO 16'-0"
SALIX LASIOLEPS	ARROYO WILLOW	1 GAL.	SPACED RANDOMLY OR AS MARKED ON PLANS	6'-0" TO 35'-0"

"WET" RIPARIAN HYDROSEED MIX				
BOTANICAL NAME	COMMON NAME	LBS/ACRE		
AGROSTIS EXARATA	SPIKE BENTGRASS	3		
CAREX BARBERAE	VALLEY REDDIE	2		
CAREX SPICATA	SAN DIEGO SEDGE	2		
ERIPHYLLUM CILIATUM	GREEN WILLOW HERB	0.5		
E. VIRIDITUM HYEMALE SPP. AFFINE	HORSETAIL	CURRENTLY UNAVAILABLE		
EUTHAMIA OCCIDENTALIS	WESTERN GOLDENROD	1		
JUNCUS PATENS	CALIFORNIA GRAY RUSH	1		
JUNCUS TEXTILLIS	TEXTILE RUSH	9		
JUNCUS TORREYI	TORREY'S RUSH	0.5		
MIMULUS CARDINALIS	SCARLET MONKEY FLOWER	1		
MIMULUS GUTTATUS	STICKY MONKEY FLOWER	2		
MUHLENBERGIA RIGENS	DEER GRASS	4		
OENOTHERA ELATA	HOOKER'S EVENING PRIMROSE	CURRENTLY UNAVAILABLE		
PHYLLOSTACHYA	LIPPIA	1		

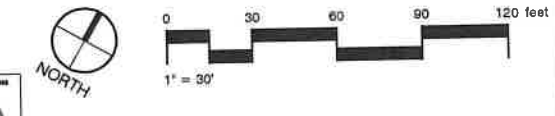
"DRY" RIPARIAN TREES					
SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	COMMENTS	O.C. SPACING
○	JUGLANS CALIFORNICA	SOUTHERN CALIFORNIA BLACK WALNUT	90 1 GAL. 10 15 GAL.	SPACED RANDOMLY OR AS MARKED ON PLANS	25'-0"
○	PLATANUS RAEMONDII	CALIFORNIA PLATANUS	30 5 GAL. 10 15 GAL.	SPACED RANDOMLY OR AS MARKED ON PLANS	25'-0" TO 50'-0"
○	POPULUS FREMONTI SPP. FREMONTI	FREMONT'S COTTONWOOD	90 5 GAL. 10 15 GAL.	SPACED RANDOMLY OR AS MARKED ON PLANS	30'-0" TO 40'-0"
○	QUERCUS AGRIFOLIA	COAST LIVE OAK	90 5 GAL. 10 15 GAL.	SPACED RANDOMLY OR AS MARKED ON PLANS	30'-0" TO 45'-0"
○	SALIX GOODENOUGHII	BLACK WILLOW	1 GAL.	SPACED RANDOMLY OR AS MARKED ON PLANS	30'-0" TO 40'-0"
○	SALIX LAEVIGATA	RED WILLOW	1 GAL.	SPACED RANDOMLY OR AS MARKED ON PLANS	30'-0" TO 40'-0"

"DRY" RIPARIAN CONTAINER STOCK				
BOTANICAL NAME	COMMON NAME	SIZE	COMMENTS	O.C. SPACING
BACCHARIS SALICIFOLIA SPP. SALICIFOLIA	MULE FAT	1 GAL.	GROUPINGS OF 2-6 INDIVIDUALS	6'-0" TO 12'-0"
OLIMNIA LIGUSTICIFOLIA	WESTERN WIGRASS BOWER	1 GAL.	SPACED RANDOMLY OR AS MARKED ON PLANS	PER PROJECT BIOLOGIST
ELYMUS CONDENSATUS	GRANT WILD RYE	1 GAL.	GROUPINGS OF 3-4 INDIVIDUALS	6'-0"
HETEROMELES ARBUSTIFOLIA	TOYON	5 GAL.	SPACED RANDOMLY OR AS MARKED ON PLANS	15'-0"
MUHLENBERGIA RIGENS	DEER GRASS	1 GAL.	GROUPINGS OF 2-5 INDIVIDUALS	7'-0"
ROSA CALIFORNICA	CALIFORNIA WILD ROSE	5 GAL.	GROUPINGS OF 3-5 INDIVIDUALS	9'-0" TO 6'-0"
RUBUS URINENSIS	CALIFORNIA BLACKBERRY	1 GAL.	GROUPINGS OF 2-3 INDIVIDUALS	10'-0" TO 20'-0"
SAMBUCUS MEXICANA	BLUE ELDERBERRY	5 GAL.	SPACED RANDOMLY OR IN GROUPS OF 2	7'-0" TO 6'-0"

"DRY" RIPARIAN HYDROSEED MIX				
BOTANICAL NAME	COMMON NAME	LBS/ACRE		
ACHILLEA MILLEFOLIUM	YARROW	5		
ARTEMISIA DOUGLASSIANA	MUGWORT	4		
ARTEMISIA TRIDENTATA	WILD TARRAGON	3		
BACCHARIS PILLULARIS SPP. CONSANGUINEA	COYOTE BUSH	2		
ENCHELIA CALIFORNICA	BUSH SUNFLOWER	2		
ERIPHYLLUM COCHLEARIFLORUM	GOLDEN YARROW	4		
MIMULUS ALPINEUS	STICKY MONKEY FLOWER	2		
PHYLLOSTACHYA	CALIFORNIA GOLDENROD	1		
VENECASIA FARRERISODIES	CANYON SUNFLOWER	CURRENTLY UNAVAILABLE		

PLANT ZONE LEGEND		
HATCH	ZONE	SHEETS
(Dotted pattern)	FUEL MODIFICATION	L706-L714
(Cross-hatch pattern)	MEADOW AND PARK	L715

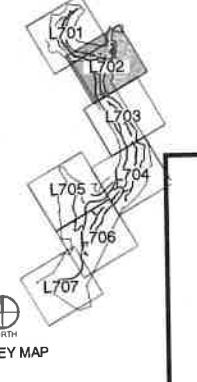
NOTE:
 FOR PLANT QUANTITIES AND ZONE ACREAGE SEE SHEET L700



RIPARIAN ADJACENT WOODLANDS/COASTAL SCRUB TRANSITION TREES					
SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	COMMENTS	O.C. SPACING
○	JUGLANS CALIFORNICA	SOUTHERN CALIFORNIA BLACK WALNUT	90 1 GAL. 10 15 GAL.	SPACED RANDOMLY OR AS MARKED ON PLANS	25'-0"
○	QUERCUS AGRIFOLIA	COAST LIVE OAK	90 5 GAL. 10 15 GAL.	SPACED RANDOMLY OR AS MARKED ON PLANS	30'-0" TO 50'-0"

RIPARIAN ADJACENT WOODLANDS/COASTAL TRANSITION CONTAINER STOCK				
BOTANICAL NAME	COMMON NAME	SIZE	COMMENTS	O.C. SPACING
BACCHARIS PILLULARIS SPP. CONSANGUINEA	COYOTE BUSH	1 GAL.	GROUPINGS OF 3-5 INDIVIDUALS	6'-0" TO 8'-0"
CELANOTHUS SPINOSUS	GREENBARK CEANOTHUS	5 GAL.	SPACED RANDOMLY AS INDIVIDUALS OR GROUPS OF 2	8'-0"
ELYMUS CONDENSATUS	GRANT WILD RYE	1 GAL.	GROUPINGS OF 3-4 INDIVIDUALS	6'-0"
HETEROMELES ARBUSTIFOLIA	TOYON	5 GAL.	SPACED RANDOMLY OR AS MARKED ON PLANS	15'-0"
SAMBUCUS MEXICANA	BLUE ELDERBERRY	5 GAL.	SPACED RANDOMLY OR IN GROUPS OF 2	9'-0" TO 6'-0"

RIPARIAN ADJACENT WOODLANDS / COASTAL TRANSITION HYDROSEED MIX				
BOTANICAL NAME	COMMON NAME	LBS/ACRE		
ACHILLEA MILLEFOLIUM	YARROW	5		
ARTEMISIA DOUGLASSIANA	MUGWORT	4		
ARTEMISIA TRIDENTATA	WILD TARRAGON	3		
BACCHARIS PILLULARIS SPP. CONSANGUINEA	COYOTE BUSH	2		
ENCHELIA CALIFORNICA	BUSH SUNFLOWER	2		
ERIPHYLLUM COCHLEARIFLORUM	GOLDEN YARROW	4		
MIMULUS ALPINEUS	STICKY MONKEY FLOWER	2		
PHYLLOSTACHYA	CALIFORNIA GOLDENROD	1		
VENECASIA FARRERISODIES	CANYON SUNFLOWER	CURRENTLY UNAVAILABLE		



BUREAU OF ENGINEERING

CITY OF LOS ANGELES

DATE BY: _____

NO. REVISIONS: _____

ARCHITECT: _____

DESIGNED BY: MS/AC

DRAWN BY: MS/AC

CHECKED BY: MS/AC

APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

PROJECT: POTRERO CANYON PARK

ADDRESS: 15101, 15125 AND 15145 PACIFIC COAST HIGHWAY

PACIFICA PALISADES, CA 90272

WORK ORDER NO. E1908635

PLAN FILE NO. 720

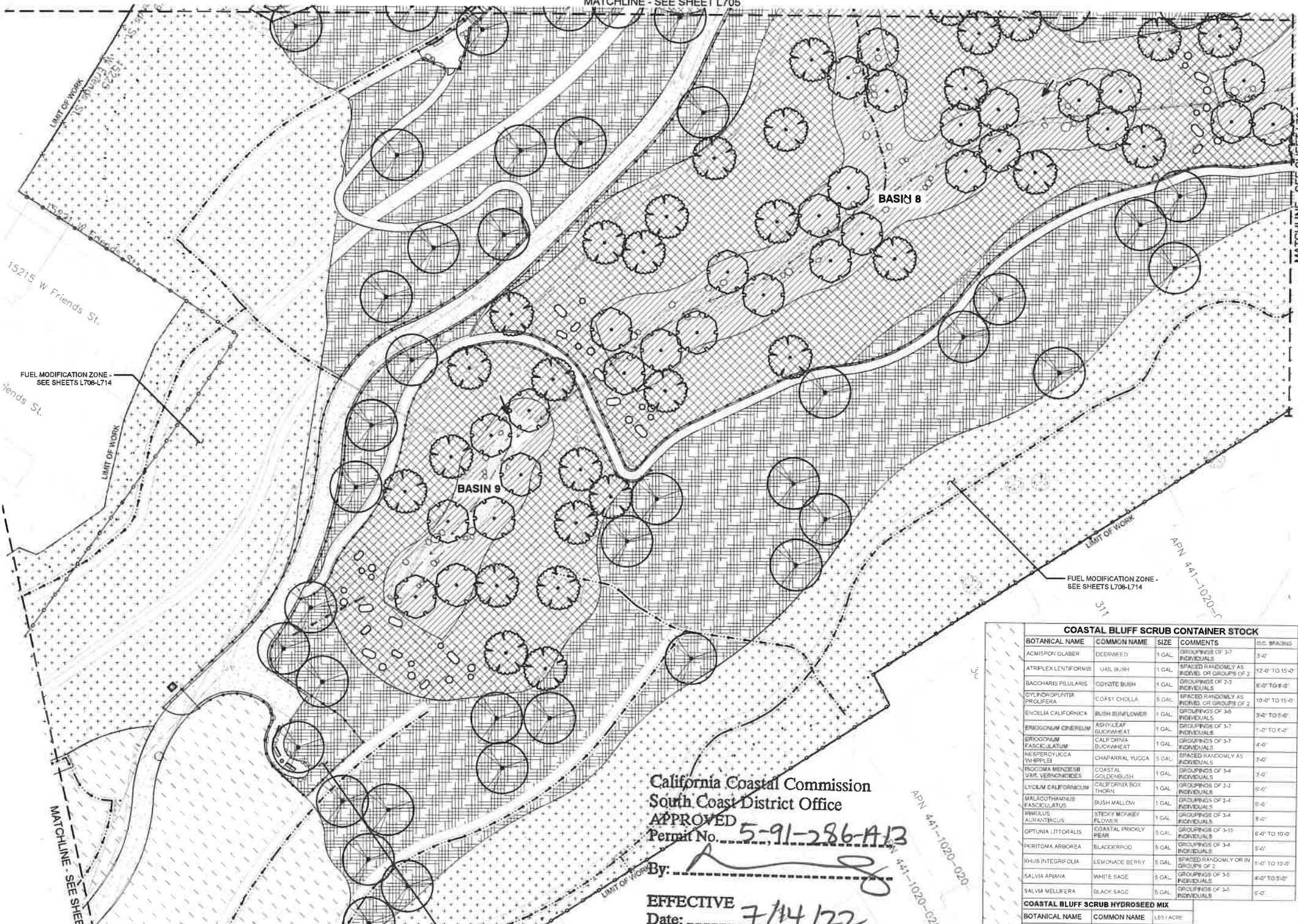
DRAWING NO. L702

SHEET 61 OF 95

INDEX NO. D-35381

MATCHLINE - SEE SHEET L705

MATCHLINE - SEE SHEET L704



"WET" RIPARIAN TREES					
SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	COMMENTS	O.C. SPACING
○	JUGLANS CALIFORNICA	SOUTHERN CALIFORNIA BLACK WALNUT	90 1 GAL. 10 15 GAL.	SPACED RANDOMLY OR AS MARKED ON PLANS	20'-0"
○	POPULUS FREMONTII SPP. FREMONTII	FREMONT'S COTTONWOOD	90 1 GAL. 10 15 GAL.	SPACED RANDOMLY OR AS MARKED ON PLANS	30'-0" TO 40'-0"
○	SALIX GOODENI	BLACK WILLOW	1 GAL.	SPACED RANDOMLY OR AS MARKED ON PLANS	30'-0" TO 40'-0"
○	SALIX LAEVIGATA	RED WILLOW	1 GAL.	SPACED RANDOMLY OR AS MARKED ON PLANS	30'-0" TO 40'-0"

"WET" RIPARIAN CONTAINER STOCK					
BOTANICAL NAME	COMMON NAME	SIZE	COMMENTS	O.C. SPACING	
BACCHARIS SALICIFOLIA SPP. SALICIFOLIA	MULE FAT	1 GAL.	GROUPINGS OF 2-5 INDIVIDUALS	6'-0" TO 12'-0"	
CAREX BARBERAE	VALLEY SEDGE	1 GAL.	GROUPINGS OF 2-5 INDIVIDUALS	1'-0" TO 3'-0"	
JUNCUS PATENS	CALIFORNIA GRAY RUSH	1 GAL.	GROUPINGS OF 2-5 INDIVIDUALS	7'-0"	
MIMULUS CARDINALIS	SCARLET MONKEY FLOWER	1 GAL.	GROUPINGS OF 3-4 INDIVIDUALS	2'-0"	
MIMULUS GUTTATUS	DEEP MONKEY FLOWER	1 GAL.	GROUPINGS OF 3-7 INDIVIDUALS	1'-0" TO 3'-0"	
MULLENBERGIA RIGENS	DEER GRASS	1 GAL.	GROUPINGS OF 2-5 INDIVIDUALS	2'-0"	
DENOETHERA ELATA	HOOVER'S EVENING PRIMROSE	1 GAL.	GROUPINGS OF 3-5 INDIVIDUALS	3'-0"	
SALIX EXALGA	NARROW-LEAVED WILLOW	1 GAL.	SPACED RANDOMLY OR AS MARKED ON PLANS	6'-0" TO 15'-0"	
SALIX LASIOLEPIS	ARROYO WILLOW	1 GAL.	SPACED RANDOMLY OR AS MARKED ON PLANS	6'-0" TO 30'-0"	

"WET" RIPARIAN HYDROSEED MIX					
BOTANICAL NAME	COMMON NAME	LBS/ACRE			
AGROSTIS EXARATA	SPIKE BENTGRASS	3			
CAREX BARBERAE	VALLEY SEDGE	2			
CAREX SPICATA	SAN DIEGO SEDGE	2			
EPILOBIUM CILIATUM	GREEN WILLOW HERB	0.5			
E. LISETUM HYEMALE SPP. AFFINE	HORSETAIL	CURRENTLY UNAVAILABLE			
EUTHAMIA CALIFORNICA	WESTERN GOLDENROD	1			
JUNCUS PATENS	CALIFORNIA GRAY RUSH	1			
JUNCUS TEXTILLIS	TEXTILE RUSH	0			
JUNCUS TORREYI	TORREY'S RUSH	0.5			
MIMULUS CARDINALIS	SCARLET MONKEY FLOWER	1			
MIMULUS GUTTATUS	DEEP MONKEY FLOWER	3			
MULLENBERGIA RIGENS	DEER GRASS	4			
DENOETHERA ELATA	HOOVER'S EVENING PRIMROSE	CURRENTLY UNAVAILABLE			
PHYLLOPODIA LIPPA	LIPPA	1			

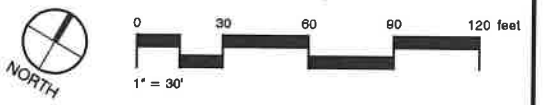
"DRY" RIPARIAN TREES					
SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	COMMENTS	O.C. SPACING
○	JUGLANS CALIFORNICA	SOUTHERN CALIFORNIA BLACK WALNUT	90 1 GAL. 10 15 GAL.	SPACED RANDOMLY OR AS MARKED ON PLANS	20'-0"
○	PLATANUS RACEMOSA	CALIFORNIA BICAMORE	90 5 GAL. 10 15 GAL.	SPACED RANDOMLY OR AS MARKED ON PLANS	30'-0" TO 50'-0"
○	POPULUS FREMONTII SPP. FREMONTII	FREMONT'S COTTONWOOD	90 5 GAL. 10 15 GAL.	SPACED RANDOMLY OR AS MARKED ON PLANS	30'-0" TO 40'-0"
○	QUERCUS AGRIFOLIA	COAST LIVE OAK	90 3 GAL. 10 15 GAL.	SPACED RANDOMLY OR AS MARKED ON PLANS	30'-0" TO 55'-0"
○	SALIX GOODENI	BLACK WILLOW	1 GAL.	SPACED RANDOMLY OR AS MARKED ON PLANS	30'-0" TO 40'-0"
○	SALIX LAEVIGATA	RED WILLOW	1 GAL.	SPACED RANDOMLY OR AS MARKED ON PLANS	30'-0" TO 45'-0"

"DRY" RIPARIAN CONTAINER STOCK					
BOTANICAL NAME	COMMON NAME	SIZE	COMMENTS	O.C. SPACING	
BACCHARIS SALICIFOLIA SPP. SALICIFOLIA	MULE FAT	1 GAL.	GROUPINGS OF 2-5 INDIVIDUALS	6'-0" TO 12'-0"	
CLEMATIS LIGUSTICIFOLIA	WESTERN VICRINS BOWER	1 GAL.	SPACED RANDOMLY AS INDIVIDUALS OR GROUPINGS OF 2	PER PROJECT BIOLOGIST	
ELYMUS COCCINEUS	GIANT WILD RYE	1 GAL.	GROUPINGS OF 3-4 INDIVIDUALS	6'-0"	
PETEROWELLES ARBITIFOLIA	TOYON	5 GAL.	SPACED RANDOMLY OR AS MARKED ON PLANS	15'-0"	
MULLENBERGIA RIGENS	DEER GRASS	1 GAL.	GROUPINGS OF 2-5 INDIVIDUALS	2'-0"	
ROSA CALIFORNICA	CALIFORNIA WILD ROSE	5 GAL.	GROUPINGS OF 3-5 INDIVIDUALS	3'-0" TO 5'-0"	
RUBUS URSINUS	CALIFORNIA BLACKBERRY	1 GAL.	GROUPINGS OF 2-3 INDIVIDUALS	10'-0" TO 20'-0"	
SAMBUCUS MEXICANA	BLUE ELDERBERRY	5 GAL.	SPACED RANDOMLY OR IN GROUPS OF 2	3'-0" TO 6'-0"	

"DRY" RIPARIAN HYDROSEED MIX					
BOTANICAL NAME	COMMON NAME	LBS/ACRE			
ACHILLEA MILLEFOLIUM	YARROW	2			
ARTEMISIA DOUGLASSIANA	MUGWORT	4			
ARTEMISIA DRACUNCULUS	WILD TARRAGON	3			
BACCHARIS PULILLARIS SPP. CONSANGUINEA	COYOTE BUSH	3			
ENCHELIA CALIFORNICA	BUSH SUNFLOWER	3			
EROPHYLLUM CONFERTIFOLIUM	GOLDEN YARROW	4			
MIMULUS AURANTIACUS	STICKY MONKEY FLOWER	2			
SOLIDAGO CALIFORNICA	CALIFORNIA GOLDENROD	1			
VERDECASS CARPESICOIDES	CANYON SUNFLOWER	CURRENTLY UNAVAILABLE			

PLANT ZONE LEGEND		
HATCH	ZONE	SHEETS
[Hatch Pattern]	FUEL MODIFICATION	L706-L714
[Hatch Pattern]	MEADOW AND PARK	L715

NOTE: FOR PLANT QUANTITIES AND ZONE ACREAGE SEE SHEET L700



California Coastal Commission
 South Coast District Office
 APPROVED
 Permit No. 5-91-286-A13
 By: [Signature]
 EFFECTIVE Date: 7/14/22

RIPARIAN ADJACENT WOODLANDS/COASTAL SCRUB TRANSITION TREES					
SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	COMMENTS	O.C. SPACING
○	JUGLANS CALIF. ORNICA	SOUTHERN CALIFORNIA BLACK WALNUT	90 1 GAL. 10 15 GAL.	SPACED RANDOMLY OR AS MARKED ON PLANS	20'-0"
○	QUERCUS AGRIFOLIA	COAST LIVE OAK	90 1 GAL. 10 15 GAL.	SPACED RANDOMLY OR AS MARKED ON PLANS	30'-0" TO 40'-0"

RIPARIAN ADJACENT WOODLANDS / COASTAL TRANSITION HYDROSEED MIX					
BOTANICAL NAME	COMMON NAME	LBS/ACRE			
ACHILLEA MILLEFOLIUM	YARROW	2			
ARTEMISIA DOUGLASSIANA	MUGWORT	4			
BACCHARIS PULILLARIS SPP. CONSANGUINEA	COYOTE BUSH	3			
ENCHELIA CALIFORNICA	BUSH SUNFLOWER	2			
EROPHYLLUM CONFERTIFOLIUM	GOLDEN YARROW	4			
MIMULUS AURANTIACUS	STICKY MONKEY FLOWER	2			
SOLIDAGO CALIFORNICA	CALIFORNIA GOLDENROD	1			
VERDECASS CARPESICOIDES	CANYON SUNFLOWER	CURRENTLY UNAVAILABLE			

COASTAL BLUFF SCRUB CONTAINER STOCK					
BOTANICAL NAME	COMMON NAME	SIZE	COMMENTS	O.C. SPACING	
ACHIMONIA GLABER	DEERWEED	1 GAL.	GROUPINGS OF 3-7 INDIVIDUALS	3'-0"	
ATRIPLEX LENTIFORMIS	UAIL BUSH	1 GAL.	SPACED RANDOMLY AS INDIV. OR GROUPS OF 2	12'-0" TO 15'-0"	
BACCHARIS PULILLARIS	COYOTE BUSH	1 GAL.	GROUPINGS OF 2-3 INDIVIDUALS	6'-0" TO 8'-0"	
CHENOPODIUM PROSTRATUM	COAST CHOLLA	5 GAL.	SPACED RANDOMLY AS INDIV. OR GROUPS OF 2	10'-0" TO 15'-0"	
ENCHELIA CALIFORNICA	BUSH SUNFLOWER	1 GAL.	GROUPINGS OF 3-5 INDIVIDUALS	3'-0" TO 5'-0"	
ERIOGONUM COMBELEM	ASHLEAF BUCKWHEAT	1 GAL.	GROUPINGS OF 3-7 INDIVIDUALS	1'-0" TO 5'-0"	
ERIOGONUM FASCICULATUM	CALIFORNIA BUCKWHEAT	1 GAL.	GROUPINGS OF 3-7 INDIVIDUALS	4'-0"	
HEPHEROYUCCA WHIPPLEI	CHAPARRAL YUCCA	5 GAL.	SPACED RANDOMLY AS INDIVIDUALS	3'-0"	
PROCRAMA MENZIESII SPP. VERBENACEAE	COASTAL GOLDENBUSH	1 GAL.	GROUPINGS OF 3-4 INDIVIDUALS	7'-0"	
LYCOLUM CALIFORNICUM	CALIFORNIA BOX THORN	1 GAL.	GROUPINGS OF 2-3 INDIVIDUALS	6'-0"	
MELALUCOTYMA FASCICULATUM	BUSH MALLOW	1 GAL.	GROUPINGS OF 2-4 INDIVIDUALS	5'-0"	
MIMULUS AURANTIACUS	STICKY MONKEY FLOWER	1 GAL.	GROUPINGS OF 3-4 INDIVIDUALS	6'-0"	
OPTUNIA LITTORALIS	COASTAL PRICKLY PEAR	5 GAL.	GROUPINGS OF 3-15 INDIVIDUALS	6'-0" TO 10'-0"	
PERITOMA ARBOREA	BLADDERPOD	5 GAL.	GROUPINGS OF 3-4 INDIVIDUALS	5'-0"	
RUBUS INTEGRIFOLIA	LEMONADE BERRY	5 GAL.	SPACED RANDOMLY OR IN GROUPS OF 2	5'-0" TO 10'-0"	
SALVIA APRINA	WHITE SAGE	5 GAL.	GROUPINGS OF 3-5 INDIVIDUALS	4'-0" TO 5'-0"	
SALVIA VELLIFERA	BLACK SAGE	5 GAL.	GROUPINGS OF 3-5 INDIVIDUALS	5'-0"	

COASTAL BLUFF SCRUB HYDROSEED MIX					
BOTANICAL NAME	COMMON NAME	LBS/ACRE			
BLOMERIA CROCEA	GOLDEN STARS	1			
CASSIPOUA MICRANTHA	SMALL PRIMROSE	CURRENTLY UNAVAILABLE			
CLARKIA BOTTAE	FAREWELL-TO-SUNBIRD	0.5			
GRONON SETIGERUS	TURKEY MULLEN	2			
EUCURBITA FORTIQUINA	STINKING GOURD	4			
ESCHSCHOLZIA CASCADILLA	DRY WAX CALIFORNIA POPPY	2			
GRINDLIA STRICTA	COASTAL GUM PLANT	CURRENTLY UNAVAILABLE			
LATHENIA CALIFORNICA	COAST GOLDENROD	1			
LATHENIA CORCHORNI	SOUTHERN GOLDENROD	CURRENTLY UNAVAILABLE			
LOTUS PURSHIANUS	SPANISH CLOVER	3			
LOTUS SALICORNIS	COASTAL LOTUS	2			
LOTUS STRONGIUS	STROUSE LOTUS	1			
LUPINUS BICOLOR	DOVE LUPINE	2			
LUPINUS NANUS	SKY LUPINE	3			
LUPINUS TRUNCATUS	COLLAR LUPINE	3			
MEMPHILA MENZIESII	BABY BLUE EYES	1			
PHACELIA MINOR	CALIFORNIA BLUEBELLS	0.5			
SEYRINCHUM BELLUM	BLUE-EYED GRASS	2			

CITY OF LOS ANGELES
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF ENGINEERING

DATE: _____
 CHECKED BY: _____
 ARCHITECT: _____
 DESIGNED BY: _____
 DRAWN BY: _____
 APPROVED BY: _____

PROJECT: POTRERO CANYON PARK
 ADDRESS: 15101, 15125 AND 15145 PACIFIC COAST HIGHWAY
 PACIFICA PALISADES, CA 90272

INDEX NO. **D-35381**
 BUILDING NO. _____

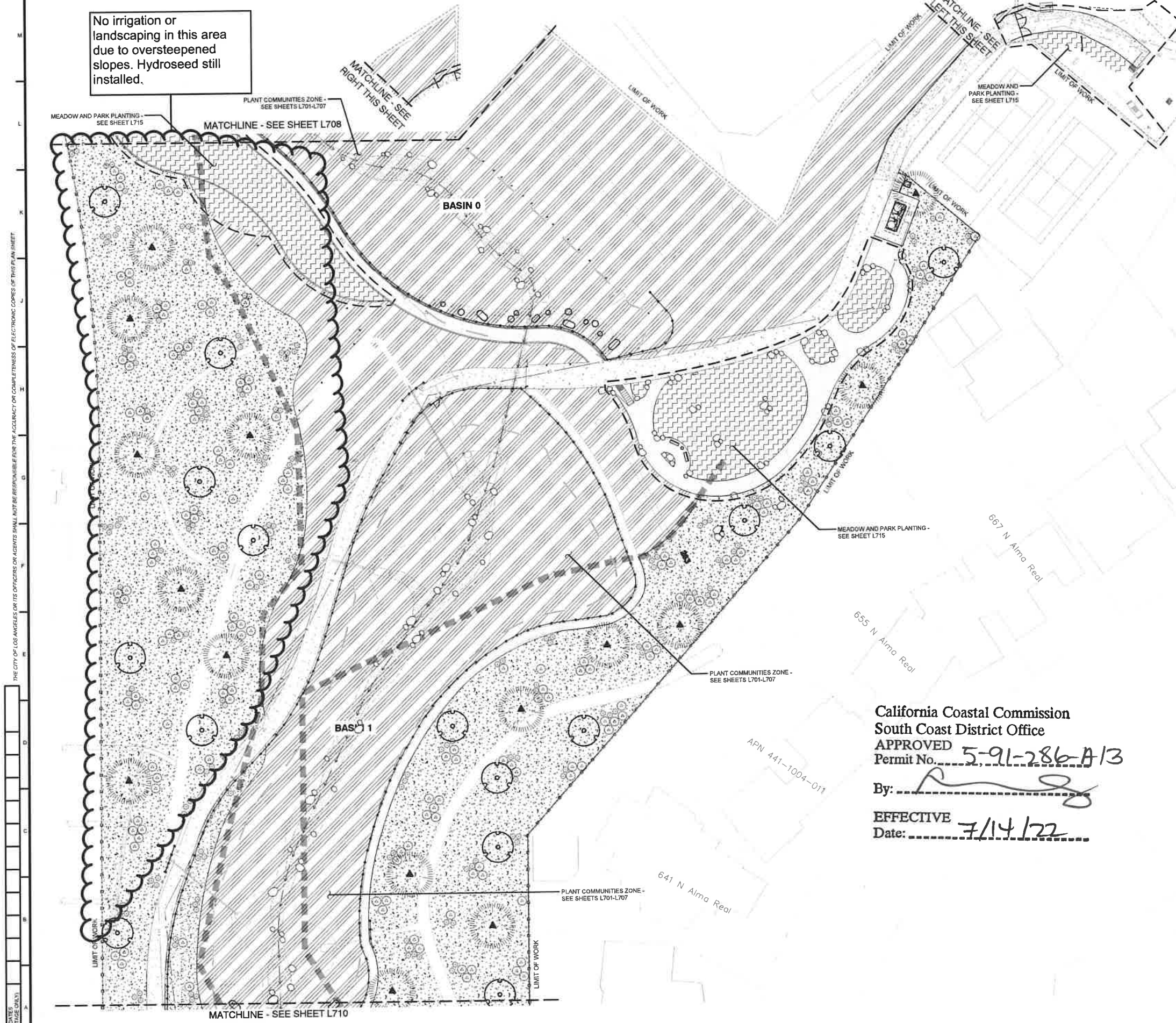
WORK ORDER NO. **E1908635**
 PLAN FILE NO. **720**
 DRAWING NO. **L706**
 SHEET **65** OF **95**

TEMPLATE SHEET REVISION DATE: 06/20/14
 REVISION DATE: 10/13/2020 5:06 PM
 FILE: N: 2011 1311637-2018-CONSTRUCTION DOCUMENTS AUTOCAD 111304-PP-30_HABITATS.DWG

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.

TEMPLATE SHEET REVISION DATE: 06/20/14
 REVISION DATE: 10/16/2020 3:27 PM FILE: N: 2011 1311037 POTRERO-CANYON PARK PLANNING CONSTRUCTION DOCUMENTS AUTOCAD 111106-PS-30 PUE.L000.DWG

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.



No irrigation or landscaping in this area due to oversteepened slopes. Hydroseed still installed.

FUEL MODIFICATION ZONE TREES						
SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	COMMENTS	O.C. SPACING	
▲	JUGLANS CALIFORNICA	SOUTHERN CALIFORNIA BLACK WALNUT	90 18 18	1 GAL 15 GAL 15 GAL	SPACED RANDOMLY OR AS MARKED ON PLANS	20'-2'
▲	QUERCUS AGRIFOLIA	COAST LIVE OAK	40 15 15	5 GAL 15 GAL 15 GAL	SPACED RANDOMLY OR AS MARKED ON PLANS	20'-0" TO 25'-0"

FUEL MODIFICATION ZONE CONTAINER STOCK					
SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	COMMENTS	O.C. SPACING
○	DEANOTHUS SPINOSUS	GREENBARK DESERTOLIVE	1 GAL	SPACED RANDOMLY AS INDIVIDUALS OR GROUPS OF 2	8'-0"
○	HEBEROMELLES ARBUTIFOLIA	TOYON	5 GAL	SPACED RANDOMLY OR AS MARKED ON PLANS	15'-0"
○	SAMBUCUS MEXICANA	BLUE ELDERBERRY	5 GAL	SPACED RANDOMLY OR IN GROUPS OF 2	3'-0" TO 6'-0"
○	ACMISPON GLABER	DEERWEED	1 GAL	GROUPINGS OF 3-7 INDIVIDUALS	3'-0"
○	ENCHELIA CALIFORNICA	BUSH SUNFLOWER	1 GAL	GROUPINGS OF 3-6 INDIVIDUALS	3'-0" TO 5'-0"
○	ERIDOGONUM OBIEREMUM	ARMY-LEAF BUCHENANET	1 GAL	GROUPINGS OF 3-7 INDIVIDUALS	1'-0" TO 6'-0"
○	BIGNONIA MENZIESII	REDWING	1 GAL	GROUPINGS OF 3-4 INDIVIDUALS	3'-0"
○	VAL. DECEMBRIS	GOLDENBUSH	1 GAL	GROUPINGS OF 3-4 INDIVIDUALS	3'-0"
○	MALACOTHAMNUS FASCICULATUS	BUSH MALLOW	1 GAL	GROUPINGS OF 3-4 INDIVIDUALS	6'-0"
○	MINULUS AURANTIACUS	STICKY MONKEY FLOWER	1 GAL	GROUPINGS OF 3-4 INDIVIDUALS	3'-0"
○	PERITOMA ARBOREA	BLADDERPOD	1 GAL	SPACED RANDOMLY OR IN GROUPS OF 2	6'-0" TO 10'-0"
○	RHUS INTEGRIFOLIA	LEMONADE BERRY	1 GAL	SPACED RANDOMLY OR IN GROUPS OF 2	6'-0" TO 10'-0"
○	SALVIA APRANA	WHITE SAGE	5 GAL	GROUPINGS OF 3-5 INDIVIDUALS	4'-0" TO 5'-0"
○	SALVIA MELIFERA	BLACK SAGE	5 GAL	GROUPINGS OF 3-5 INDIVIDUALS	6'-0"
○	AGAVE SHAWII	SHAWII AGAVE	5 GAL	SPACED RANDOMLY AS INDIVIDUALS OR GROUPS OF 2	6'-0" TO 5'-0"
○	HESPEROYUCCA (YUCCA) AMPLEI	CHAPARRAL YUCCA	5 GAL	SPACED RANDOMLY AS INDIVIDUALS	3'-0"
○	OPTUNA LITTORALIS	COASTAL PRICKLY PEAR	5 GAL	GROUPINGS OF 3-15 INDIVIDUALS	6'-0" TO 10'-0"

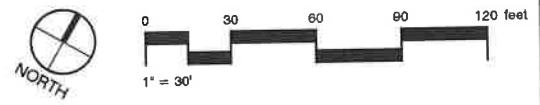
FUEL MODIFICATION ZONE HYDROSEED MIX			
HATCH	BOTANICAL NAME	COMMON NAME	LBS/ACRE
▨	BLOOMERIA CROCEA	GOLDEN STARR	1
▨	CAMISSONIA	SMALL PRIMROSE	CURRENTLY UNAVAILABLE
▨	MORANTHA	FAREWELL-TO-SPRING	0.5
▨	CLARKIA BOTTAE	TURKEY MULLEIN	2
▨	CRONON SETIGERUS	STINKING GOURD	4
▨	CUCURBITA FORTROSSIMA	POPPY	2
▨	ECHINOCYLLIS CALIFORNICA	COASTAL GUM PLANT	CURRENTLY UNAVAILABLE
▨	GRANDELLIA STRICTA	COAST GOLDFIRLOS	1
▨	LASTHENIA CALIFORNICA	SOUTHERN GOLDFIRLOS	CURRENTLY UNAVAILABLE
▨	LASTHENIA CORONARIA	SOUTHERN GOLDFIRLOS	CURRENTLY UNAVAILABLE
▨	LOTUS PURSHIANUS	SPANISH CLOVER	3
▨	LOTUS SALICORNOSUS	COASTAL LOTUS	2
▨	LOTUS STRIGOSUS	STRIKING LOTUS	1
▨	LUPINUS BICOLOR	DOVE LUPINE	2
▨	LUPINUS NANUS	SHY LUPINE	3
▨	LUPINUS TRICATUS	COLLAR LUPINE	3
▨	HEMOPHILA MENZIESII	SADY BLUE EYES	0.5
▨	PHACELIA MINOR	CALIFORNIA BLUEBELLS	0.5
▨	SISYRINCHUM BELLUM	BLUE-EYED GRASS	2

10-FOOT BRUSH CLEARANCE SETBACK:
 A 10-FOOT BRUSH CLEARANCE SETBACK WAS INITIALLY USED TO APPROXIMATE THE LOCATION OF THE FUEL MODIFICATION PLANTING INCLUDING SOME AREAS OF OVERLAP WITH THE WETLAND PLANTING AS DETAILED BELOW. THE CITY OF LOS ANGELES FIRE DEPARTMENT HAS REVIEWED THE FUEL MODIFICATION CONCEPT AND IT WAS AGREED THAT IN THE OVERLAP AREAS, MITIGATION PLANTING DENSITY WOULD BE SLIGHTLY REDUCED. ADDITIONALLY, THE CITY FIRE DEPARTMENT WILL CONDUCT PERIODIC FIELD INSPECTIONS AND CONTINUE TO MAINTAIN PROPER BRUSH CLEARANCE FOR FIRE SAFETY AS DETERMINED BY THE CITY FIRE DEPARTMENT.

PLANT ZONE LEGEND		
SYMBOL	ZONE	SHEETS
▨	PLANT COMMUNITIES	L701-L707
▨	MEADOW AND PARK	L715



NOTE: FOR PLANT QUANTITIES AND ZONE ACREAGE SEE SHEET L700



California Coastal Commission
 South Coast District Office
 APPROVED
 Permit No. 5-91-286-A13
 By: [Signature]
 EFFECTIVE
 Date: 7/14/22

APN 441-1004-011

BUREAU OF ENGINEERING

DATE BY: _____

REVISIONS:

NO.	DATE	DESCRIPTION
1		
2		
3		
4		
5		

REGISTERED PROFESSIONAL ARCHITECT
 STATE OF CALIFORNIA
 LICENSE NO. 11272

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
 ARCHITECTURAL DIVISION
 DATE: _____

DESIGNED BY: MS/AC
 DRAWN BY: KS/KEK
 CHECKED BY: MS/MS
 APPROVED BY: MAHMOUD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

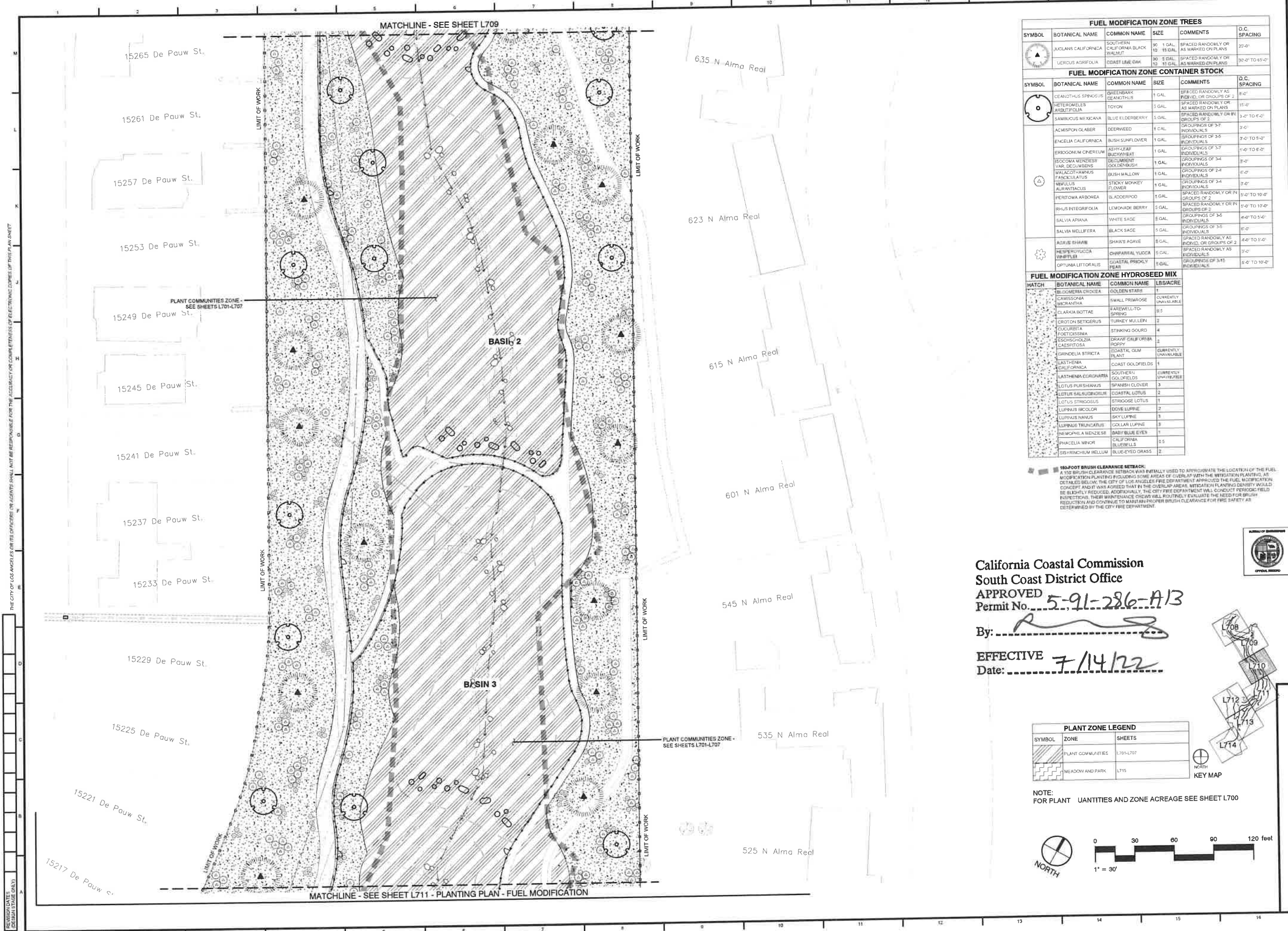
SHEET TITLE: **PLANTING PLAN - FUEL MODIFICATION**
 PROJECT: **POTRERO CANYON PARK**
 ADDRESS: **15101, 15125 AND 15145 PACIFIC COAST HIGHWAY PACIFICA PALSADES, CA 90272**

WORK ORDER NO. **E1908635**
 PLAN FILE NO. **720**
 DRAWING NO. **L709**
 SHEET **66** OF **95**

PLOTTED: 10/16/2020

TEMPLATE SHEET REVISION DATE: 08/20/14
 REVISION DATE: 10/05/2013 2:27 PM FILE: L:\2011\111037\POTRERO-CANYON-PARK-FLANNING-CONSTRUCTION DOCUMENTS AUTOCAD 111106-PP-3P FUEL.MXD DWS

THE CITY OF LOS ANGELES OFFICE ENGINEER OR AGENT SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRIC WORKS OF THIS PLAN SHEET



FUEL MODIFICATION ZONE TREES					
SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	COMMENTS	O.C. SPACING
▲	JUGLANS CALIFORNICA	SOUTHERN CALIFORNIA BLACK WALNUT	90 1 GAL. 10 15 GAL.	SPACED RANDOMLY OR AS MARKED ON PLANS	22'-0"
▲	VERUCUS AGRIFOLIA	COAST LIVE OAK	30 5 GAL. 12 15 GAL.	SPACED RANDOMLY OR AS MARKED ON PLANS	32'-0" TO 45'-0"
FUEL MODIFICATION ZONE CONTAINER STOCK					
SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	COMMENTS	O.C. SPACING
○	CELANOTHUS SPINOSUS	GREENBARK CEANOTHUS	1 GAL.	SPACED RANDOMLY AS INDIVID. OR GROUPS OF 2	8'-0"
○	HETEROMELES ARDITIFOLIA	TOYON	3 GAL.	SPACED RANDOMLY OR AS MARKED ON PLANS	15'-0"
○	SAMBUCUS MEXICANA	BLUE ELDERBERRY	5 GAL.	SPACED RANDOMLY OR IN GROUPS OF 2	3'-0" TO 6'-0"
○	ACMISPON GLABER	DEERWEED	1 GAL.	GROUPINGS OF 3-7 INDIVIDUALS	3'-0"
○	ENCELIA CALIFORNICA	BUSH SUNFLOWER	1 GAL.	GROUPINGS OF 3-5 INDIVIDUALS	3'-0" TO 5'-0"
○	ERIGONUM CNERIUM	ASHY-LEAF BLACKWHEAT	1 GAL.	GROUPINGS OF 3-7 INDIVIDUALS	1'-0" TO 6'-0"
○	ISOCOMA MENZIESII VAR. DECUMBENS	DECLUMBENT GOLDENBUSH	1 GAL.	GROUPINGS OF 3-4 INDIVIDUALS	3'-0"
○	WALACOTHAMNUS FASCICULATUS	BUSH MALLOW	1 GAL.	GROUPINGS OF 2-4 INDIVIDUALS	6'-0"
○	WIMLUS AURANTIACUS	STICKY MONKEY FLOWER	1 GAL.	GROUPINGS OF 3-4 INDIVIDUALS	3'-0"
○	PERITOMA ARBOREA	BLADDERPOD	1 GAL.	SPACED RANDOMLY OR IN GROUPS OF 2	5'-0" TO 10'-0"
○	RHUS INTEGRIFOLIA	LEMONADE BERRY	5 GAL.	SPACED RANDOMLY OR IN GROUPS OF 2	5'-0" TO 12'-0"
○	SALVIA ARIANA	WHITE SAGE	5 GAL.	GROUPINGS OF 3-5 INDIVIDUALS	4'-0" TO 5'-0"
○	SALVIA MELLIFERA	BLACK SAGE	5 GAL.	GROUPINGS OF 3-5 INDIVIDUALS	6'-0"
○	AGAVE SHAWII	SHAW'S AGAVE	5 GAL.	SPACED RANDOMLY AS INDIVID. OR GROUPS OF 2	4'-0" TO 5'-0"
○	HESPEROPHYCCA WHITFIELDII	CHAMPANILE YUCCA	5 GAL.	SPACED RANDOMLY AS INDIVIDUALS	3'-0"
○	OPTUNIA LITTORALIS	COASTAL PRICKLY PEAR	5 GAL.	GROUPINGS OF 3-5 INDIVIDUALS	5'-0" TO 10'-0"

FUEL MODIFICATION ZONE HYDROSEED MIX			
HATCH	BOTANICAL NAME	COMMON NAME	LBS/ACRE
▨	BLOOMERIA CRIOEIA	GOLDEN STAR	1
▨	CAMISSOGMA MICRANTHA	SMALL PRIMROSE	CURRENTLY UNAVAILABLE
▨	CLARKIA BOTTAE	FAREWELL-TO-SPRING	15
▨	CROTON SETIGERUS	TURKEY MULLIN	2
▨	CUCURBITA FORTISSIMA	STINKING GOURD	4
▨	ESCHSCHOLZIA CAESPITOSA	DRAWF CALIFORNIA POPPY	2
▨	GRNDELIA STRICTA	COASTAL GUM PLANT	CURRENTLY UNAVAILABLE
▨	LASTHENIA CALIFORNICA	COAST GOLDIELDS	1
▨	LASTHENIA CALIFORNICA	SOUTHERN GOLDIELDS	CURRENTLY UNAVAILABLE
▨	LOTUS PURSHIANUS	SPANISH CLOVER	3
▨	LECTUR SALUSBOROUGHII	COASTAL LOTUS	2
▨	LOTUS STRIGOSUS	STROGOS LOTUS	1
▨	LUPINUS BICOLOR	DOVE LUPINE	2
▨	LUPINUS NANUS	SKY LUPINE	3
▨	LUPINUS TRUNCATUS	COLLAR LUPINE	3
▨	NEMOPHILA MENZIESII	BABY BLUE EYES	1
▨	PHACELIA MINOR	CALIFORNIA BLUEBELLS	0.5
▨	SISYRINCHUM BELLUM	BLUE-EYED GRASS	2

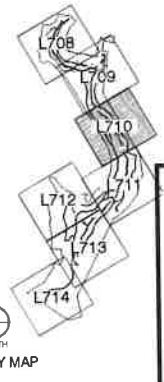
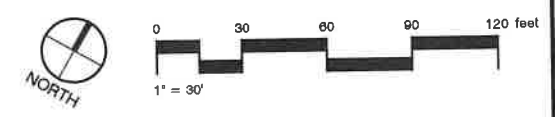
16'-00" BRUSH CLEARANCE SETBACK:
 A 16'-00" BRUSH CLEARANCE SETBACK WAS INITIALLY USED TO APPROXIMATE THE LOCATION OF THE FUEL MODIFICATION PLANTING INCLUDING SOME AREAS OF OVERLAP WITH THE MITIGATION PLANTING. AS DETAILED BELOW, THE CITY OF LOS ANGELES FIRE DEPARTMENT APPROVED THE FUEL MODIFICATION CONCEPT AND IT WAS AGREED THAT IN THE OVERLAP AREAS, MITIGATION PLANTING DENSITY WOULD BE SLIGHTLY REDUCED. ADDITIONALLY, THE CITY FIRE DEPARTMENT WILL CONDUCT PERIODIC FIELD INSPECTIONS. THEIR MAINTENANCE CREWS WILL ROUTINELY EVALUATE THE NEED FOR BRUSH REDUCTION AND CONTINUE TO MAINTAIN PROPER BRUSH CLEARANCE FOR FIRE SAFETY AS DETERMINED BY THE CITY FIRE DEPARTMENT.

California Coastal Commission
 South Coast District Office
 APPROVED
 Permit No. 5-91-286-A13

By:
 EFFECTIVE Date: 7/14/22

PLANT ZONE LEGEND		
SYMBOL	ZONE	SHEETS
▨	PLANT COMMUNITIES	L701-L707
▨	MEADOW AND PARK	L715

NOTE:
 FOR PLANT QUANTITIES AND ZONE ACREAGE SEE SHEET L700



BUREAU OF ENGINEERING

DATE BY: _____

ENGINEERING

CITY OF LOS ANGELES

REVISIONS:

NO.	DATE	DESCRIPTION

REGISTERED PROFESSIONAL ARCHITECT

DATE: _____

ARCHITECT: **GARY LEE MOORE, PE, ENV SP** CITY ENGINEER

DESIGNED BY: ASAC

DRAWN BY: KSKK

CHECKED BY: JASAK

APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

ARCHITECTURAL DIVISION

LIC. NO. _____

DEPARTMENT OF PUBLIC WORKS

VERTICAL CONTROL: _____

HORIZONTAL CONTROL: _____

SHEET TITLE: **PLANTING PLAN - FUEL MODIFICATION**

PROJECT: **POTRERO CANYON PARK**

ADDRESS: **15101, 15125 AND 15145 PACIFIC COAST HIGHWAY PACIFICA PALISADES, CA 90272**

WORK ORDER NO. **E1908635**

PLAN FILE NO. **720**

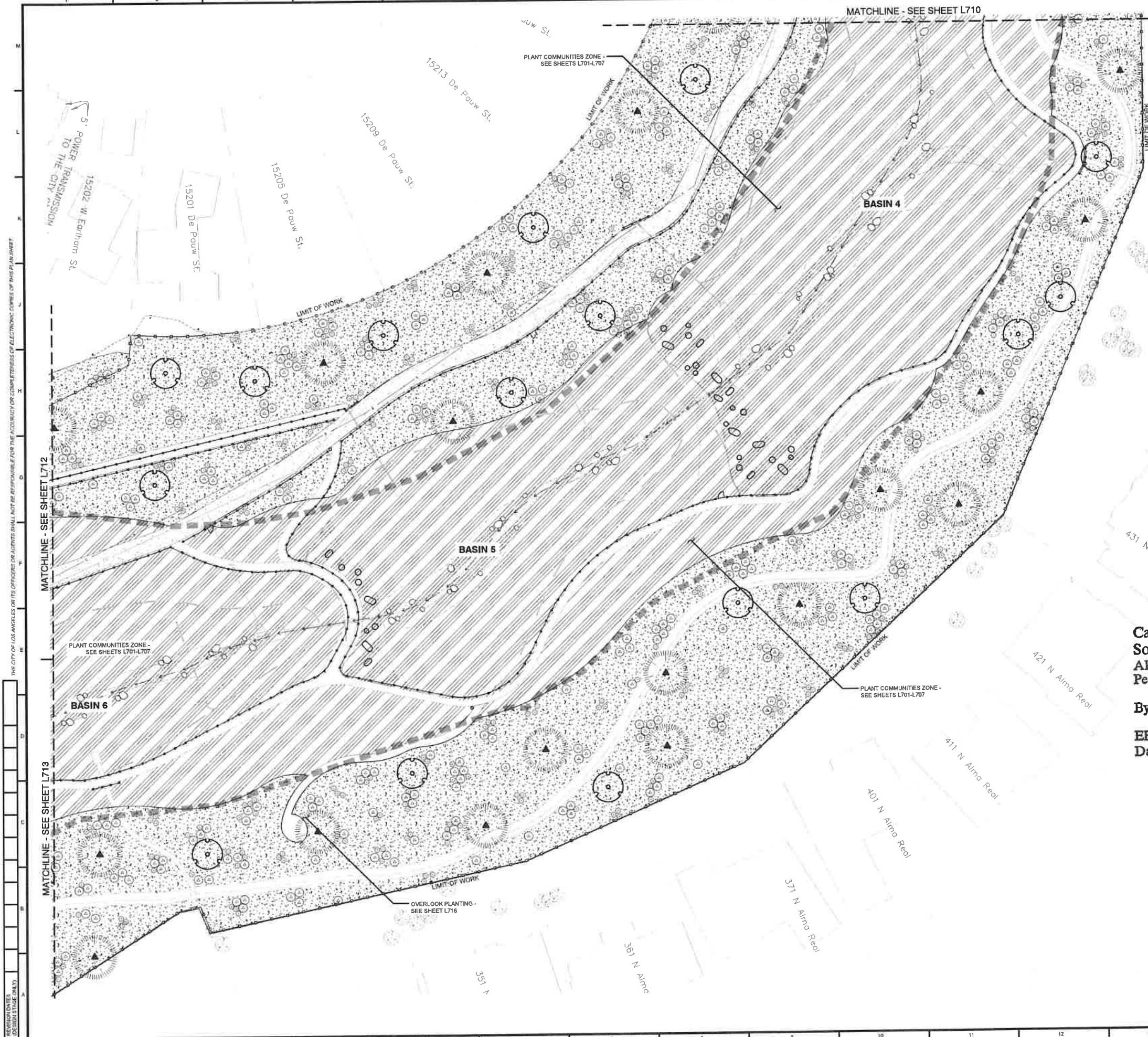
DRAWING NO. **L710**

SHEET **69** OF **95**

INDEX NO. **D-35381**

PLOTTED: 10-19-2022

TEMPLATE SHEET REGISTRATION DATE: 08/20/14
 REVISION DATE: 10/15/2020 3:27 PM
 FILE N: 2011 131103-POTTERCANYON-PARK PLANNING CONSTRUCTION DOCUMENTS AUTOCAD 131103B-P-30-FUEL MOD.DWG



FUEL MODIFICATION ZONE TREES					
SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	COMMENTS	O.C. SPACING
▲	JUGLANS CALIFORNICA	SOUTHERN CALIFORNIA BLACK WALNUT	30 15 GAL	SPACED RANDOMLY OR AS MARKED ON PLANS	20'-0"
▲	QUERCUS AGRIFOLIA	COAST LIVE OAK	30 15 GAL	SPACED RANDOMLY OR AS MARKED ON PLANS	30'-0" TO 85'-0"

FUEL MODIFICATION ZONE CONTAINER STOCK					
SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	COMMENTS	O.C. SPACING
○	CELANOTHUS SPINOSUS	GREENBANK CELANOTHUS	1 GAL	SPACED RANDOMLY AS INDIVIDUALS OR GROUPS OF 2	8'-0"
○	HEPTEROMELES ARBUTIFOLIA	TOYON	1 GAL	SPACED RANDOMLY OR AS MARKED ON PLANS	15'-0"
○	SAMBUCUS MEXICANA	BLUE ELDERBERRY	5 GAL	SPACED RANDOMLY OR IN GROUPS OF 2	3'-0" TO 6'-0"
○	ACMISPON GLABER	DEERWEED	1 GAL	GROUPINGS OF 3-7 INDIVIDUALS	3'-0"
○	ENCELIA CALIFORNICA	BUSH SUNFLOWER	1 GAL	GROUPINGS OF 3-7 INDIVIDUALS	3'-0" TO 5'-0"
○	ERIOGONUM CEREIFOLIUM	ASHY-LEAF BUCKWHEAT	1 GAL	GROUPINGS OF 3-7 INDIVIDUALS	1'-0" TO 6'-0"
○	BIDENIA VENZIGERII VAR. DECLUMBENS	SALICORNIA GULDBUSH	1 GAL	GROUPINGS OF 3-4 INDIVIDUALS	3'-0"
○	WALCATHAMMUS FASCICULATUS	BUSH MALLOW	1 GAL	GROUPINGS OF 2-4 INDIVIDUALS	6'-0"
○	MIMULUS AURANTIACUS	STICKY MONKEY FLOWER	1 GAL	GROUPINGS OF 3-4 INDIVIDUALS	3'-0"
○	PERITOMA ARBOREA	BLADDERPOD	1 GAL	SPACED RANDOMLY OR IN GROUPS OF 2	1'-0" TO 10'-0"
○	RHUS INTEGRIFOLIA	LEMONADE BERRY	5 GAL	SPACED RANDOMLY OR IN GROUPS OF 2	1'-0" TO 10'-0"
○	SALVIA AFIANA	WHITE SAGE	5 GAL	SPACED RANDOMLY AS INDIVIDUALS	4'-0" TO 5'-0"
○	SALVIA MELLIFERA	BLACK SAGE	1 GAL	GROUPINGS OF 3-5 INDIVIDUALS	6'-0"
○	AGAVE SHAWII	SHAW'S AGAVE	5 GAL	SPACED RANDOMLY AS INDIVIDUALS	1'-0" TO 5'-0"
○	HEPERUYUCCA WHIPPLEI	CHAPARRAL YUCCA	5 GAL	SPACED RANDOMLY AS INDIVIDUALS	3'-0"
○	OPTUNA LITTORALIS	COASTAL PRICKLY PEAR	5 GAL	GROUPINGS OF 3-15 INDIVIDUALS	5'-0" TO 10'-0"

FUEL MODIFICATION ZONE HYDROSEED MIX			
HATCH	BOTANICAL NAME	COMMON NAME	LBS/ACRE
▨	BLOOMERIA CROCEA	GOLDEN STARS	1
▨	CAMISSONIA MICRANTHA	SMALL PRIMROSE	CURRENTLY UNAVAILABLE
▨	CLARKIA BOTTAE	FAREWELL-TO-SUNBORN	0.5
▨	CROTON SETIGERUS	TURKEY MULLIN	2
▨	EUCURBITA FORTIOSISSIMA	STRIKING GOURD	4
▨	ESCHSCHOLZIA CAESITOSA	DRAWN CALIFORNIA POPPY	2
▨	GRINDELIA STRICTA	COASTAL GUM PLANT	CURRENTLY UNAVAILABLE
▨	LASTHENIA CALIFORNICA	COAST COXFIELD	1
▨	LASTHENIA CORONARIA	SOUTHERN GOLDFIELD	CURRENTLY UNAVAILABLE
▨	LETIUS FLURISHANUS	SPANISH CLOVER	3
▨	LOTUS SALUSIGNOSUS	COASTAL LOTUS	2
▨	LOTUS STRIGOSUS	STRIGOSE LOTUS	1
▨	LUPINUS BICOLOR	DOVE LUPINE	2
▨	LUPINUS NANUS	SKY LUPINE	3
▨	LUPINUS TRUNCATUS	DOLLAR LUPINE	3
▨	NEMOPHILA MENZIEII	BABY BLUE EYES	1
▨	PHACELIA MINOR	CALIFORNIA BLUEBELLS	0.5
▨	TRITRICHUM BELLUM	BLUE-EYED GRASS	2

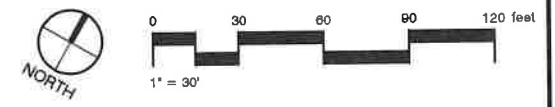
16-FOOT BRUSH CLEARANCE SETBACK:
 A 16-FOOT BRUSH CLEARANCE SETBACK WAS INITIALLY USED TO APPROXIMATE THE LOCATION OF THE FUEL MODIFIED PLANTING. HOWEVER, SOME AREAS OF OVERLAP WITH THE MODIFICATION PLANTING, AS CONCEPT AND IT WAS AGREED THAT IN THE OVERLAP AREA, MITIGATION PLANTING DENSITY WOULD BE SLIGHTLY REDUCED. ADDITIONALLY, THE CITY FIRE DEPARTMENT WILL CONDUCT REPROOF-FIELD INSPECTIONS. THEIR MAINTENANCE CREW WILL ROUTINELY EVALUATE THE NEED FOR BRUSH REDUCTION AND CONTINUE TO MAINTAIN PROPER BRUSH CLEARANCE FOR FIRE SAFETY AS DETERMINED BY THE CITY FIRE DEPARTMENT.

California Coastal Commission
 South Coast District Office
APPROVED
 Permit No. 5-91-286-A13

By: [Signature]
EFFECTIVE 7/14/22
 Date: 7/14/22

PLANT ZONE LEGEND		
SYMBOL	ZONE	SHEETS
▨	PLANT COMMUNITIES	L701-L707
▨	MEADOW AND PARK	L715

NOTE:
 FOR PLANT QUANTITIES AND ZONE ACREAGE SEE SHEET L700



BUREAU OF ENGINEERING
 DATE: _____
 REVISIONS: _____
 ARCHITECT: _____
 DESIGNED BY: MSAC
 DRAWN BY: KSEK
 CHECKED BY: MSAS
 APPROVED BY: MAHMOUD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

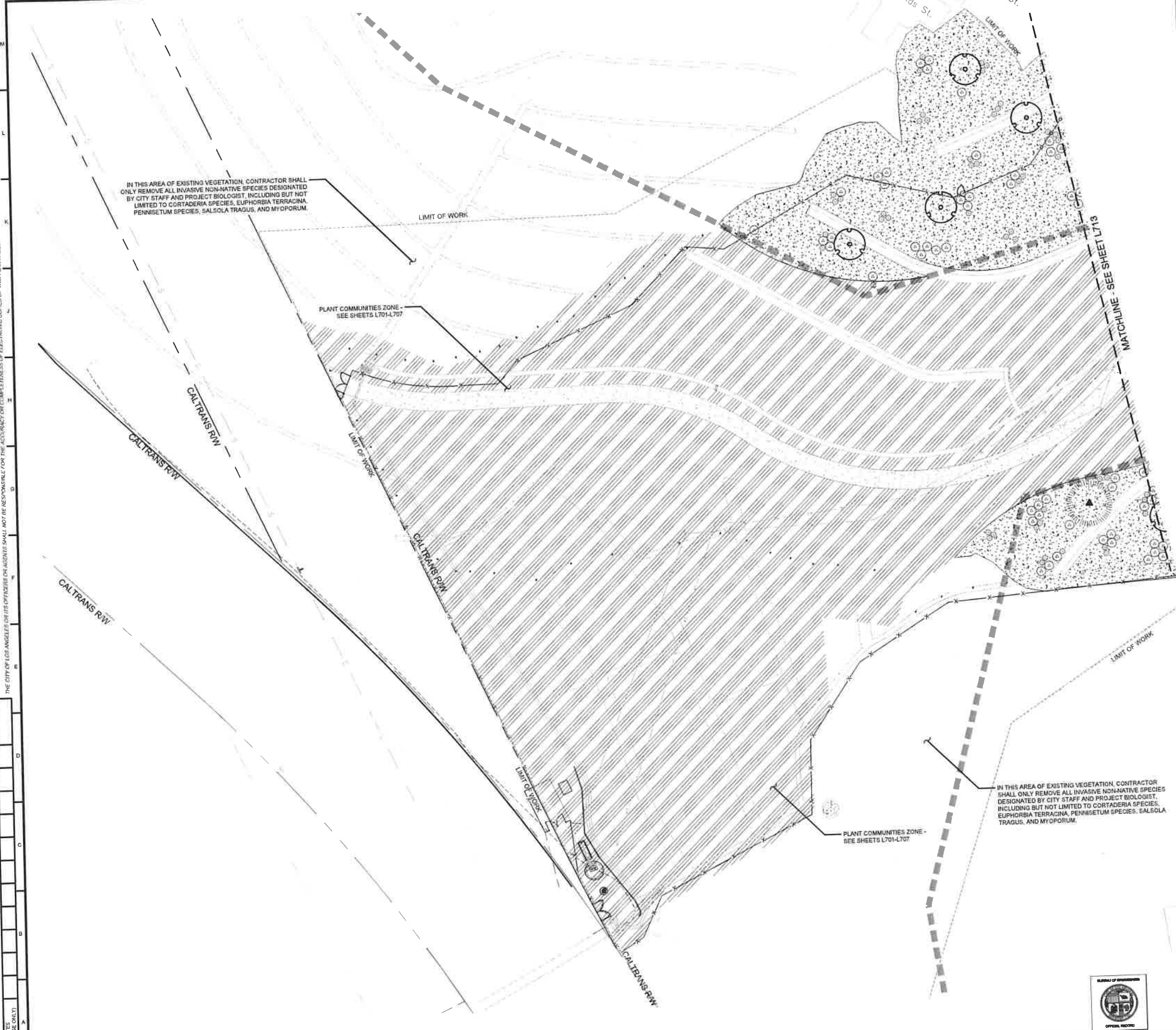
DEPARTMENT OF PUBLIC WORKS
 GARY LEE MOORE, PE, ENV SP CITY ENGINEER
 ARCHITECTURAL DIVISION
 L.C. NO. _____

CITY OF LOS ANGELES
 WORK ORDER NO. **E1908635**
 PLAN FILE NO. **720**
 DRAWING NO. **L711**
 SHEET **70** OF **95**
 SHEETS

INDEX NO. D-35381
 BUILDING NO. _____
 PROJECT: POTRERO CANYON PARK
 ADDRESS: 15101, 15125 AND 15145 PACIFIC COAST HIGHWAY
 PACIFICA PALISADES, CA 90272

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF THE INFORMATION CONTAINED HEREIN.

REVISION DATES (DESIGN STAGE ONLY)



FUEL MODIFICATION ZONE TREES						
SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	COMMENTS	O.C.	SPACING
▲	JUGLANS CALIFORNICA	SOUTHERN CALIFORNIA BLACK WALNUT	30 1 GAL	SPACED RANDOMLY PER ARE MARKED ON PLANS	20'-0"	
○	QUERCUS AGRIFOLIA	COAST LIVE OAK	30 5 GAL	SPACED RANDOMLY OR AS MARKED ON PLANS	35'-0" TO 65'-0"	
FUEL MODIFICATION ZONE CONTAINER STOCK						
SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	COMMENTS	O.C.	SPACING
○	CELANOTHUS SPINOSUS	DREENBARK CEANOTHUS	1 GAL	SPACED RANDOMLY AS INDICATED OR GROUPS OF 2	8'-0"	
○	HETEROMELES ARBUTIFOLIA	TOYON	6 GAL	SPACED RANDOMLY OR AS MARKED ON PLANS	15'-0"	
○	SAMBUCUS MEXICANA	BLUE ELDERBERRY	5 GAL	SPACED RANDOMLY OR IN GROUPS OF 3-7	3'-0" TO 6'-0"	
○	ACHILLEA OLABER	DEERWEED	1 GAL	INDIVIDUALS	3'-0"	
○	ERIGONUM CREREUM	BUSH SUNFLOWER	1 GAL	GROUPINGS OF 3-5 INDIVIDUALS	3'-0" TO 5'-0"	
○	ERIGONUM CREREUM	HEART-LEAF BUCKWHEAT	1 GAL	INDIVIDUALS	3'-0" TO 6'-0"	
○	ISOCOMA MENZIESII VAR. DECUMBENS	DECUMBENT GOLDEN-LEAF	1 GAL	GROUPINGS OF 3-4 INDIVIDUALS	3'-0"	
○	MALACOTHAMNUS FANCIOSUS	BUSH MALLOW	1 GAL	INDIVIDUALS	6'-0"	
○	WHILLUS AURANTIACUS	STICKY MONKEY FLOWER	1 GAL	GROUPINGS OF 3-4 INDIVIDUALS	7'-0"	
○	PERITOMA ARBOREA	BLADDERPOD	1 GAL	SPACED RANDOMLY OR IN GROUPS OF 2	8'-0" TO 10'-0"	
○	RHUS INTEGRIFOLIA	LEMONADE BERRY	5 GAL	GROUPINGS OF 2	14'-0" TO 18'-0"	
○	SALVIA AMANA	WHITE SAGE	5 GAL	GROUPINGS OF 3-5 INDIVIDUALS	4'-0" TO 5'-0"	
○	SALVIA MELIFERA	BLACK SAGE	5 GAL	GROUPINGS OF 3-5 INDIVIDUALS	8'-0"	
○	AGAVE SHAWII	SHAW'S AGAVE	5 GAL	SPACED RANDOMLY AS INDICATED OR GROUPS OF 2	4'-0" TO 5'-0"	
○	HEPEROPHYLLA WHEELERII	CHAMPARRAL YUCCA	5 GAL	INDIVIDUALS	3'-0"	
○	OPTUNA LITTORALIS	COASTAL PRICKLY PEAR	5 GAL	GROUPINGS OF 3-15 INDIVIDUALS	8'-0" TO 12'-0"	
FUEL MODIFICATION ZONE HYDROSEED MIX						
HATCH	BOTANICAL NAME	COMMON NAME	LB/SACRE			
▨	GLOMERULA CROCEA	GOLDEN STAR	1			
▨	CAMERARIA	SMALL PRIMROSE	1	CURRENTLY UNAVAILABLE		
▨	MEIBOMIA	FAREWELL-TO-SUN	0.5			
▨	CLARKIA BOTTAE	TURKEY MULLER	2			
▨	CRISTON RETRIBUUS	TURKEY MULLER	2			
▨	CUCURBITA	STINKING GOURD	4			
▨	TELESMA	DRAVE' CALIFORNIA PINNY	2			
▨	ERCHONCHALZIA CAESPIOSA	COASTAL GUM PLANT	1	CURRENTLY UNAVAILABLE		
▨	GITHNIDIA STRICTA	COAST GOLDFIELDS	1			
▨	LATHENIA CALIFORNICA	COAST GOLDFIELDS	1			
▨	LATHENIA CORONATA	SOUTHERN GOLDFIELDS	1	CURRENTLY UNAVAILABLE		
▨	LOTUS PURSHANUS	SPANISH CLOVER	3			
▨	LOTUS BALSAMICUS	COASTAL LOTUS	2			
▨	LOTUS STRIGOSUS	STRIGOSE LOTUS	1			
▨	LUPINUS BICOLOR	DOVE LUPINE	2			
▨	LUPINUS NANUS	SKY LUPINE	2			
▨	LUPINUS TRUNCATUS	COLLAR LUPINE	2			
▨	HEMORHILA MENZIESII	BABY BLUE EYES	1			
▨	FRANZELIA MINOR	CALIFORNIA BLUEBELLS	0.5			
▨	MYRRHINUM BELLUM	BLUE-EYED GRASS	2			

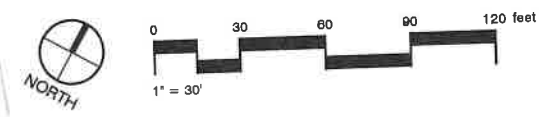
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California Coastal Commission
 South Coast District Office
 APPROVED **5-91-286-A13**
 Permit No. _____

By: _____
 EFFECTIVE Date: **7/14/22**

PLANT ZONE LEGEND		
SYMBGL	ZONE	SHEETS
▨	PLANT COMMUNITIES	L704-L707
▨	MEADOW AND PARK	L715

NOTE:
 FOR PLANT QUANTITIES AND ZONE ACREAGE SEE SHEET L700



BUREAU OF ENGINEERING

DATE BY: _____

INDEX NO. **D-35381**

CITY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS

ARCHITECT: GARY LEE MOORE, PE, ENV SP, CITY ENGINEER

DESIGNED BY: MSAC

DRAWN BY: KSEK

CHECKED BY: MSKS

APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

PROJECT: POTRERO CANYON PARK

ADDRESS: 15101, 15125 AND 15145 PACIFIC COAST HIGHWAY

PACIFICA PALISADES, CA 90272

WORK ORDER NO. **E1908635**

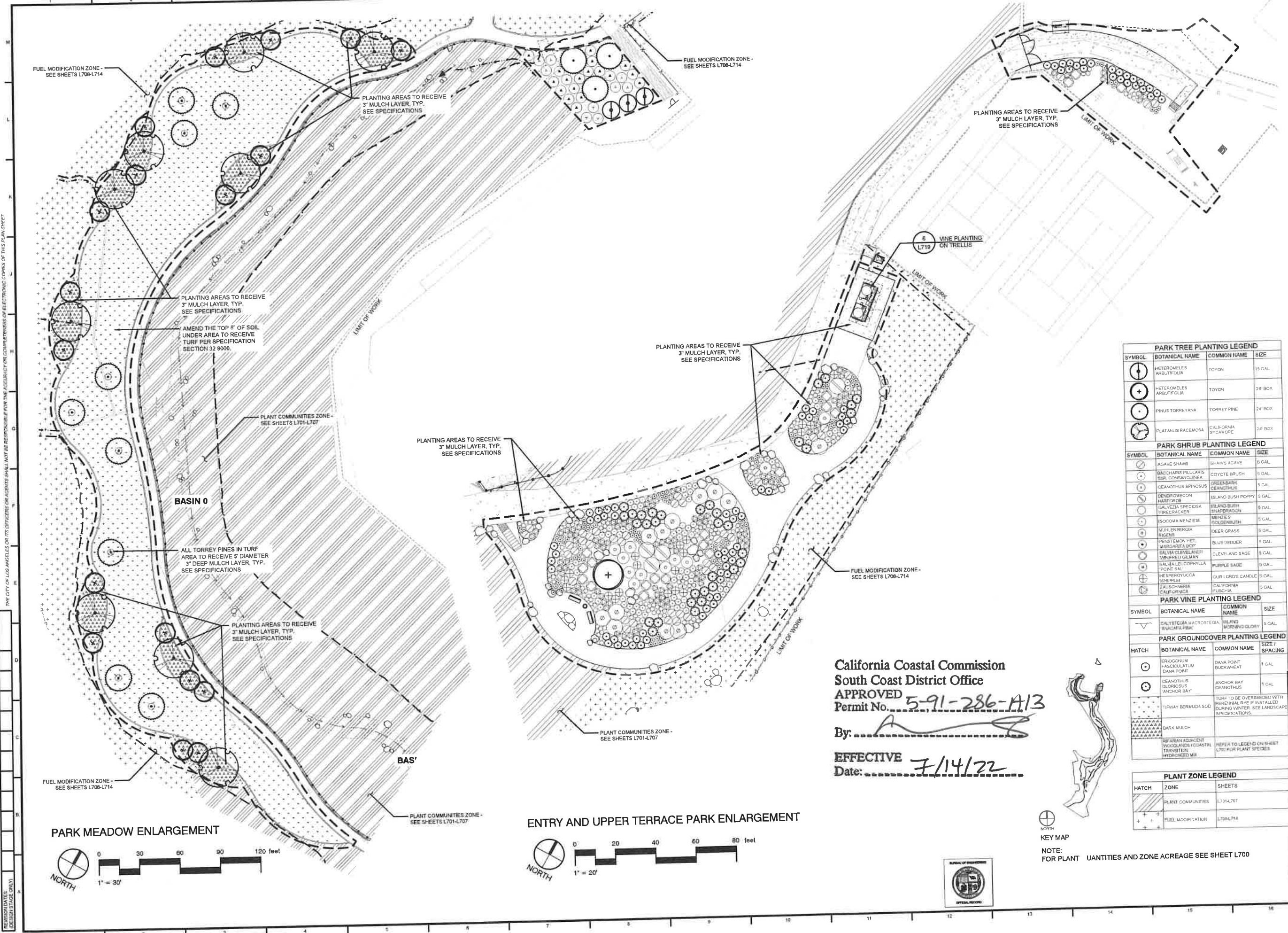
PLAN FILE NO. **720**

DRAWING NO. **L714**

SHEET **95** OF **95**

TEMPLATE SHEET REVISION DATE: 06/2014
 REVISION DATE: 07/16/2020 3:31 PM
 FILE: N: 2011 1311037-POTRERO CANYON PARK PLANNING CONSTRUCTION DOCUMENTS AUTOCAD 1311086P-PARK.DWG

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



PARK TREE PLANTING LEGEND			
SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE
⊙	HETEROMELES ARBUTIFOLIA	TOYON	15 GAL.
⊕	HETEROMELES ARBUTIFOLIA	TOYON	24" BOX
⊙	PIRUS TORREYANA	TORREY PINE	24" BOX
⊙	PLATANUS RACEMOSA	CALIFORNIA SYCAMORE	24" BOX

PARK SHRUB PLANTING LEGEND			
SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE
⊙	AGAVE SHAWII	SHAW'S AGAVE	5 GAL.
⊙	BACCHARIS PILLULARIS	COYOTE BRUSH	5 GAL.
⊙	CELANOTHUS SPINOSUS	GREENBARK CEANOTHUS	5 GAL.
⊙	DENDROMECON HABITIFLORA	ISLAND BUSH POPPY	5 GAL.
⊙	GALVEZIA SPECIOSA	ISLAND BUSH TIRECRACKER	5 GAL.
⊙	ISOCOMA MENZIESII	MENZIES' GOLDENRUSH	5 GAL.
⊙	MULLENBERGIA RUPESTRIS	DEER GRASS	5 GAL.
⊙	PENSTEMON NIEI	BLUE HEDDER	5 GAL.
⊙	WARGARITA BOOP	CLEVELAND SAGE	5 GAL.
⊙	SALVIA CLEVELANDII	CLEVELAND SAGE	5 GAL.
⊙	SALVIA LEUCOPHYLLA	PURPLE SAGE	5 GAL.
⊙	HESPERDYCICA WIMPLEI	OUR LORD'S CANDLE	5 GAL.
⊙	FALSCHEERIA CALIFORNICA	CALIFORNIA FUSCHIA	5 GAL.

PARK VINE PLANTING LEGEND			
SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE
⊙	SALYETEGIA MACROSTEGIA	ISLAND MORNING GLOVEY	5 GAL.

PARK GROUNDCOVER PLANTING LEGEND			
HATCH	BOTANICAL NAME	COMMON NAME	SIZE / SPACING
⊙	ERIOGONUM FASCICULATUM	DANA POINT BUCKWHEAT	1 GAL.
⊙	CELANOTHUS GLORIOSUS	ANCHOR BAY CEANOTHUS	1 GAL.
⊙	TIRYAZIA BERMUDA SOD	TURF TO BE OVERSEED WITH PERENNIAL RYE IF INSTALLED DURING WINTER. SEE LANDSCAPE SPECIFICATIONS.	
⊙	BARK MULCH		
⊙	SPERMATOPHYTES ADJACENT TO COASTAL TRANSMISSIONS HYDRATED MIX	REFER TO LEGEND ON SHEET L702 FOR PLANT SPECIES	

PLANT ZONE LEGEND		
HATCH	ZONE	SHEETS
⊙	PLANT COMMUNITIES	L701-L707
⊙	FUEL MODIFICATION	L708-L714

California Coastal Commission
 South Coast District Office
 APPROVED
 Permit No. 5-91-286-A13
 By: *[Signature]*
 EFFECTIVE
 Date: 7/14/22



NOTE:
 FOR PLANT QUANTITIES AND ZONE ACREAGE SEE SHEET L700

BUREAU OF ENGINEERING

DATE: _____

REVISIONS:

NO.	DATE	DESCRIPTION

INDEX NO. **D-35381**

CITY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER

DATE: _____

ARCHITECT: _____

DESIGNED BY: MSAC

DRAWN BY: MSBK

CHECKED BY: MSBK

APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

SHEET TITLE: **PLANTING PLAN - MEADOW AND PARK**

PROJECT: **POTRERO CANYON PARK**

ADDRESS: **15101, 15126 AND 15145 PACIFIC COAST HIGHWAY**

PACIFICA PALISADES, CA 90272

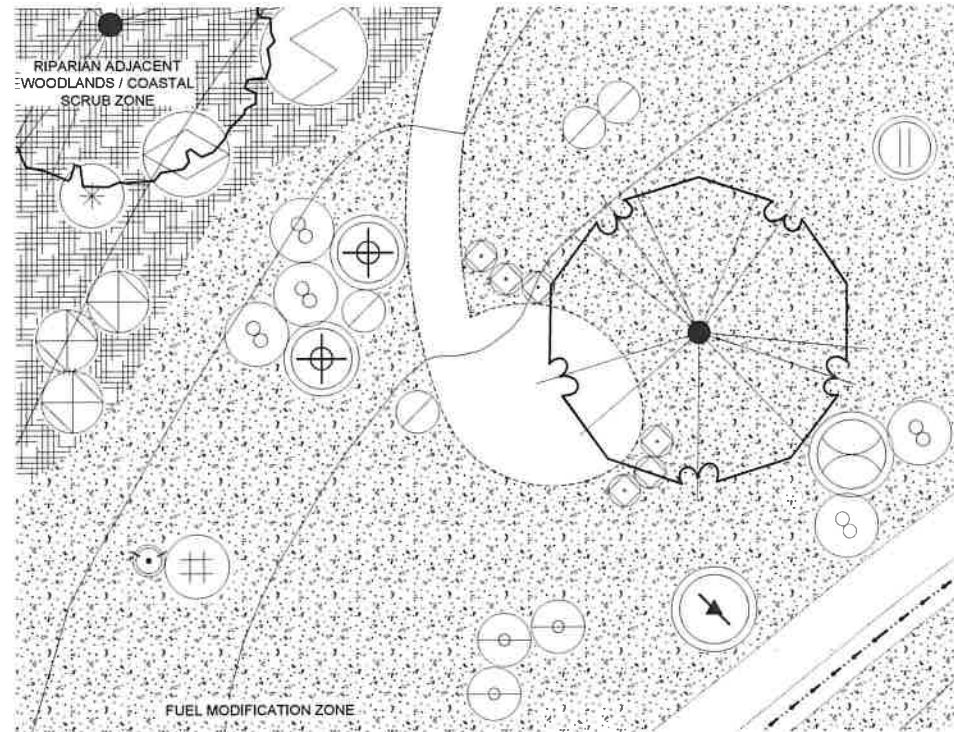
WORK ORDER NO. **E1908635**

PLAN FILE NO. **720**

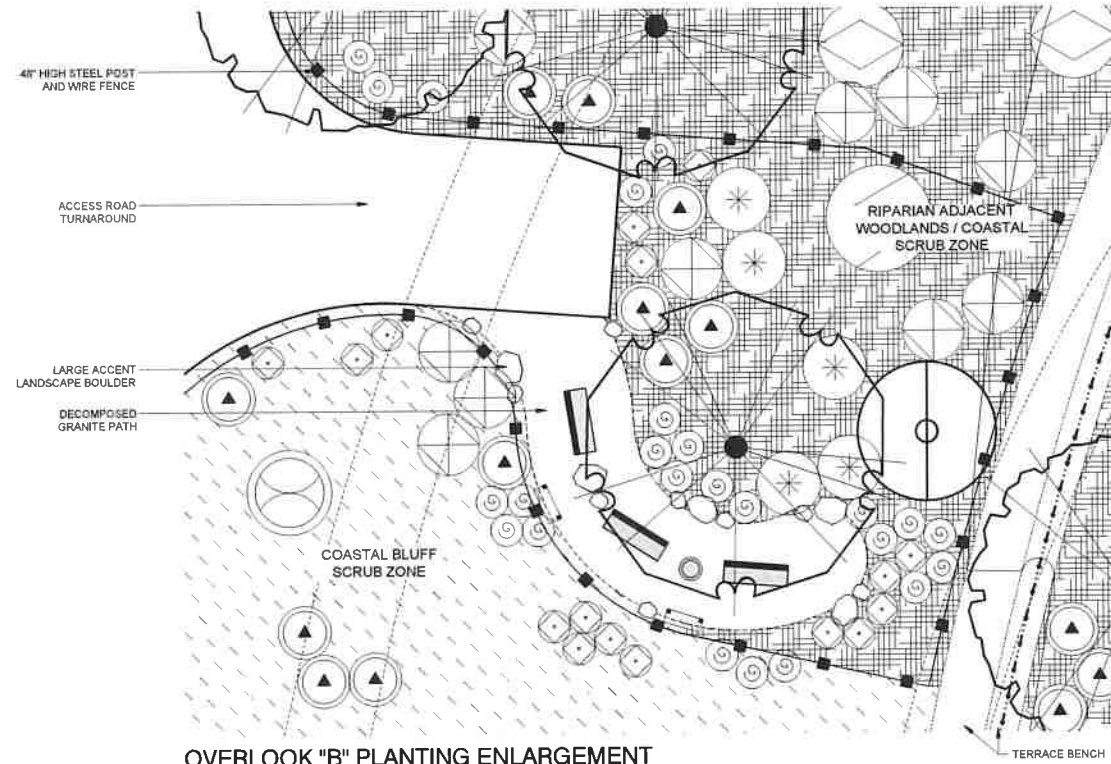
DRAWING NO. **L715**

SHEET **74** OF **95**

PLOTTED: 10-16-2020



OVERLOOK "A" PLANTING ENLARGEMENT



OVERLOOK "B" PLANTING ENLARGEMENT

RIPARIAN ADJ. WOODLANDS / COASTAL SCRUB TREE PLANTING LEGEND			
SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE
	JUGLANS CALIFORNICA	SOUTHERN CALIFORNIA BLACK WALNUT	15 GAL.
	UERCUS AGRIFOLIA	COAST LIVE OAK	15 GAL.

FUEL MODIFICATION TREE PLANTING LEGEND			
SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE
	UERCUS AGRIFOLIA	COAST LIVE OAK	15 GAL.

RIPARIAN ADJ. WOODLANDS / COASTAL SCRUB SHRUB PLANTING LEGEND			
SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE
	BACCHARIS PILULARIS SPP. CONFERTIFLORUM	COYOTE BRUSH	1 GAL.
	CEANOTHUS SPINOSUS	GREENBARK CEANOETHUS	5 GAL.
	ELYMUS CONDENSATUS	GIANT WILD RYE	1 GAL.
	SAMBUCUS MEXICANA	BLUE ELDERBERRY	5 GAL.

FUEL MODIFICATION SHRUB PLANTING LEGEND			
SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE
	ACMISPON GLABER	DEERWEED	1 GAL.
	AGAVE SHAWII	SHAW'S AGAVE	5 GAL.
	ENCELIA CALIFORNICA	BUSH SUNFLOWER	1 GAL.
	ERIOGONUM CINEREUM	ASHY-LEAF BUCKWHEAT	1 GAL.
	HESPEROYUCCA WHIPPLEI	CHAPARRAL YUCCA	5 GAL.
	MALACOTHAMNUS FASCICULATUS	BUSH MALLOW	1 GAL.
	OPTUNA LITTORALIS	COASTAL PRICKLY PEAR	5 GAL.
	PERITOMA ARBOREA	BLADDERPOD	5 GAL.
	RHUS INTEGRIFOLIA	LEMONADE BERRY	5 GAL.
	SALVIA MELLIFERA	BLACK SAGE	5 GAL.

RIPARIAN ADJACENT WOODLANDS / COASTAL TRANSITION HYDROSEED MIX			
BOTANICAL NAME	COMMON NAME	LBS/ACRE	
ACHILLEA MILLEFOLIUM	YARROW	2	
ARTEMISIA DOUGLASIANA	MUGWORT	4	
BACCHARIS PILULARIS SPP. CONSANGUINEA	COYOTE BUSH	3	
ENCELIA CALIFORNICA	BUSH SUNFLOWER	2	
ERIOPHYLLUM CONFERTIFLORUM	GOLDEN YARROW	4	
MIMULUS AURANTIACUS	STICKY MONKEY FLOWER	2	
SOLIDAGO CALIFORNICA	CALIFORNIA GOLDENROD	1	
VENEGASIA CANYON	CANYON SUNFLOWER		CURRENTLY UNAVAILABLE
CARPESIODES			CURRENTLY UNAVAILABLE

FUEL MODIFICATION ZONE HYDROSEED MIX			
BOTANICAL NAME	COMMON NAME	LBS/ACRE	
BLOOMERIA CROCEA	GOLDEN STARS	1	
CAMISSONIA MICRANTHA	SMALL PRIMROSE		CURRENTLY UNAVAILABLE
CLARKIA BOTTAE	FAREWELL-TO-SPRING	0.5	
CROTON SETIGERUS	TURKEY MULLEIN	2	
CUCURBITA FOETIDISSIMA	STINKING GOURD	4	
ESCHSCHOLZIA CAESPITOSA	DRAWF CALIFORNIA POPPY	2	
GRINDELIA STRICTA	COASTAL GUM PLANT		CURRENTLY UNAVAILABLE
LASTHENIA CALIFORNICA	COAST GOLDFIELDS	1	
LASTHENIA CORONARIA	SOUTHERN GOLDFIELDS		CURRENTLY UNAVAILABLE
LOTUS PURSHIANUS	SPANISH CLOVER	3	
LOTUS SALSUGINOSUS	COASTAL LOTUS	2	
LOTUS STRIGOSUS	STRIGOSE LOTUS	1	
LUPINUS BICOLOR	DOVE LUPINE	2	
LUPINUS NANUS	SKY LUPINE	3	
LUPINUS TRUNCATUS	COLLAR LUPINE	3	
NEMOPHILA MENZIESII	BABY BLUE EYES	1	
PHACELIA MINOR	CALIFORNIA BLUEBELLS	0.5	
SISTRINCHIUM BELLUM	BLUE-EYED GRASS	2	

California Coastal Commission
 South Coast District Office
 APPROVED
 Permit No. 5-91-286-A13
 By:
 EFFECTIVE
 Date: 7/14/22

RIPARIAN ADJ. WOODLANDS / COASTAL SCRUB TREE PLANTING LEGEND			
SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE
	HETEROMELES ARBUTIFOLIA	TOYON	5 GAL.
	JUGLANS CALIFORNICA	SOUTHERN CALIFORNIA BLACK WALNUT	15 GAL.
	UERCUS AGRIFOLIA	COAST LIVE OAK	15 GAL.

COASTAL BLUFF SCRUB SHRUB PLANTING LEGEND			
SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE
	ACMISPON GLABER	DEERWEED	1 GAL.
	BACCHARIS PILULARIS SPP. CONFERTIFLORUM	COYOTE BRUSH	1 GAL.
	MIMULUS AURANTIACUS	STICKY MONKEY FLOWER	1 GAL.
	RHUS INTEGRIFOLIA	LEMONADE BERRY	5 GAL.
	SALVIA APIANA	WHITE SAGE	5 GAL.

RIPARIAN ADJ. WOODLANDS / COASTAL SCRUB SHRUB PLANTING LEGEND			
SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE
	BACCHARIS PILULARIS SPP. CONFERTIFLORUM	COYOTE BRUSH	1 GAL.
	CEANOTHUS SPINOSUS	GREENBARK CEANOETHUS	5 GAL.
	ELYMUS CONDENSATUS	GIANT WILD RYE	1 GAL.
	MIMULUS AURANTIACUS	STICKY MONKEY FLOWER	1 GAL.
	SALVIA APIANA	WHITE SAGE	5 GAL.
	SAMBUCUS MEXICANA	BLUE ELDERBERRY	5 GAL.

COASTAL BLUFF SCRUB HYDROSEED MIX			
BOTANICAL NAME	COMMON NAME	LBS/ACRE	
BLOOMERIA CROCEA	GOLDEN STARS	1	
CAMISSONIA MICRANTHA	SMALL PRIMROSE		CURRENTLY UNAVAILABLE
CLARKIA BOTTAE	FAREWELL-TO-SPRING	0.5	
CROTON SETIGERUS	TURKEY MULLEIN	2	
CUCURBITA FOETIDISSIMA	STINKING GOURD	4	
ESCHSCHOLZIA CAESPITOSA	DRAWF CALIFORNIA POPPY	2	
GRINDELIA STRICTA	COASTAL GUM PLANT		CURRENTLY UNAVAILABLE
LASTHENIA CALIFORNICA	COAST GOLDFIELDS	1	
LASTHENIA CORONARIA	SOUTHERN GOLDFIELDS		CURRENTLY UNAVAILABLE
LOTUS PURSHIANUS	SPANISH CLOVER	3	
LOTUS SALSUGINOSUS	COASTAL LOTUS	2	
LOTUS STRIGOSUS	STRIGOSE LOTUS	1	
LUPINUS BICOLOR	DOVE LUPINE	2	
LUPINUS NANUS	SKY LUPINE	3	
LUPINUS TRUNCATUS	COLLAR LUPINE	3	
NEMOPHILA MENZIESII	BABY BLUE EYES	1	
PHACELIA MINOR	CALIFORNIA BLUEBELLS	0.5	
SISTRINCHIUM BELLUM	BLUE-EYED GRASS	2	

RIPARIAN ADJACENT WOODLANDS / COASTAL TRANSITION HYDROSEED MIX			
BOTANICAL NAME	COMMON NAME	LBS/ACRE	
ACHILLEA MILLEFOLIUM	YARROW	2	
ARTEMISIA DOUGLASIANA	MUGWORT	4	
BACCHARIS PILULARIS SPP. CONSANGUINEA	COYOTE BUSH	3	
ENCELIA CALIFORNICA	BUSH SUNFLOWER	2	
ERIOPHYLLUM CONFERTIFLORUM	GOLDEN YARROW	4	
MIMULUS AURANTIACUS	STICKY MONKEY FLOWER	2	
SOLIDAGO CALIFORNICA	CALIFORNIA GOLDENROD	1	
VENEGASIA CANYON	CANYON SUNFLOWER		CURRENTLY UNAVAILABLE
CARPESIODES			CURRENTLY UNAVAILABLE



KEY MAP

NOTE:
FOR PLANT QUANTITIES AND ZONE ACREAGE SEE SHEET L700



BUREAU OF ENGINEERING

DEPARTMENT OF PUBLIC WORKS

CITY OF LOS ANGELES

ENGINEERING

CITY OF LOS ANGELES

DATE BY

ARCHITECT

DESIGNED BY

DRAWN BY

CHECKED BY

APPROVED BY

BUILDING NO.

INDEX NO. **D-35381**

GARY LEE MOORE, PE, ENV SP CITY ENGINEER

ARCHITECTURAL DIVISION

LIC. NO.

DESIGNED BY: MS/AC

DRAWN BY: MS/AC

CHECKED BY: MS/AC

APPROVED BY: MAHMOUD YARMAZDEH, A.I.A., PRINCIPAL ARCHITECT

SHEET TITLE

PROJECT

ADDRESS

WORK ORDER NO.

E1908635

PLAN FILE NO.

720

DRAWING NO.

L716

SHEET

75

OF

95

SHEETS

DRAWN BY: MS/AC

CHECKED BY: MS/AC

APPROVED BY: MAHMOUD YARMAZDEH, A.I.A., PRINCIPAL ARCHITECT

ADDRESS: 15101, 15125 AND 15145 PACIFIC COAST HIGHWAY

PACIFICA PALISADES, CA 90272

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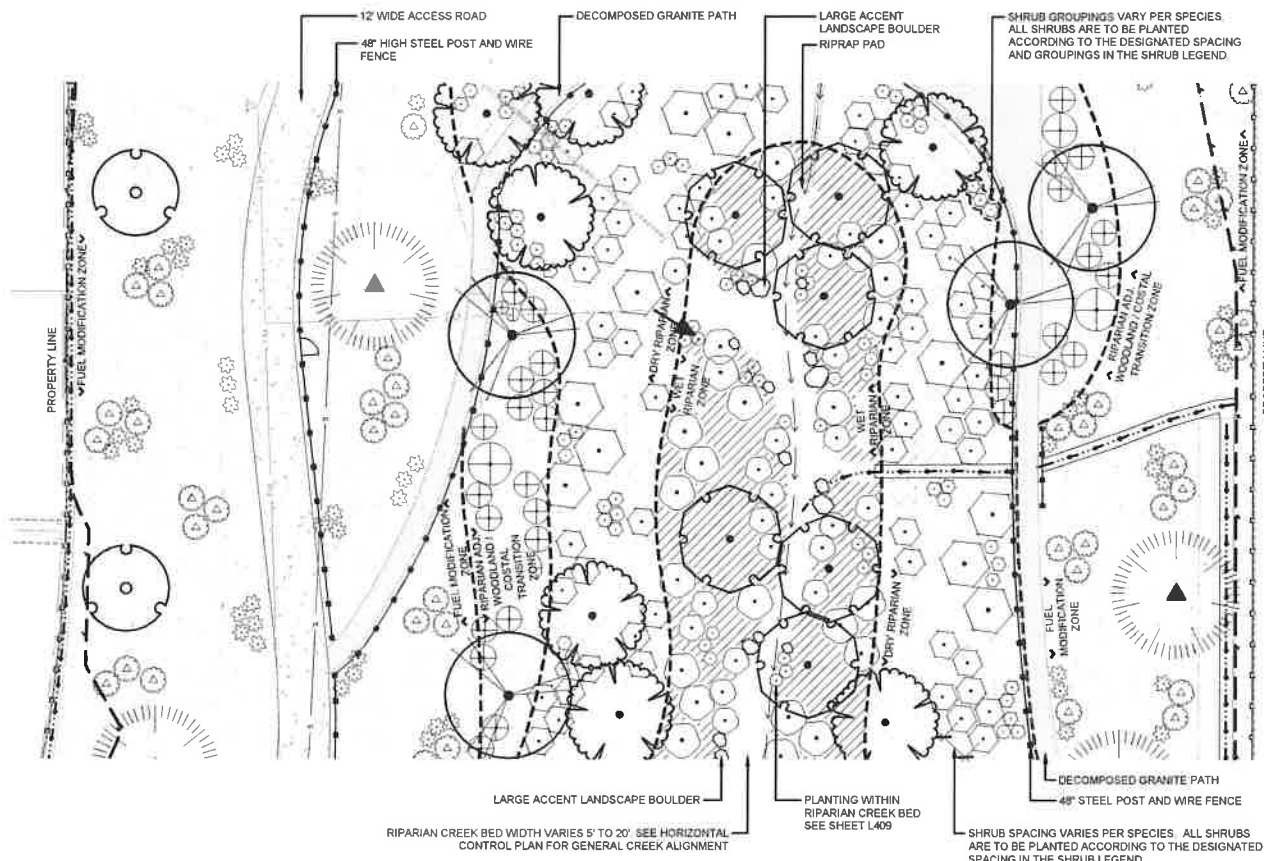
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REVISION DATE: 6/2/2020 2:35 PM

FILE: N: 2011 13 11037-POTTEROCANYON-PARK-PLANNING-CONSTRUCTION-DOCUMENTS-AUTOCAD-131308-PP-OVERLOOKS.DWG

REVISION DATE: (SEE SHEET STAGE ONLY)

California Coastal Commission
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 Permit No. 5-91-286-A13
 By: [Signature]
 EFFECTIVE
 Date: 7/14/22



PLANTING NOTES

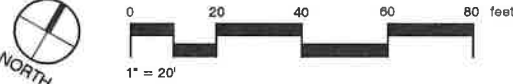
- CONTRACTOR SHALL FAMILIARIZE THEMSELVES WITH AND SHALL FOLLOW PROCEDURES, WORK PLAN, REQUIREMENTS, INSTALLATION, MAINTENANCE AND MEASURES AS STATED IN THE FINAL COMPENSATORY HABITAT MITIGATION AND MONITORING PLAN FOR THE POTRERO CANYON PARK DEVELOPMENT PROJECT DATED MAY 2016.
- PLANT LIST IS FOR CONVENIENCE OF CONTRACTOR ONLY. IN CASE OF DISCREPANCIES BETWEEN THE PLANS AND THE LIST, PLANS SHALL PREVAIL.
- PLANT LOCATIONS SHOWN ON THE PLANS ARE DIAGRAMATIC. CONTRACTOR SHALL LOCATE ALL PLANT MATERIAL UNDER THE DIRECTION OF THE AUTHORIZED REPRESENTATIVE PRIOR TO PLANTING HOLE EXCAVATION.
- THE AUTHORIZED REPRESENTATIVE RESERVES THE RIGHT TO MAKE SUBSTITUTIONS, ADDITIONS, AND DELETIONS TO THE PLANTING LAYOUT AS WORK PROGRESSES.
- ALL GROUND COVER SHALL BE TRIANGULARLY SPACED UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL PROVIDE CONCRETE MOW CURBS PER PLANS AND SPECIFICATIONS BETWEEN ALL TURF AND SHRUBS/GROUND COVER AREAS UNLESS OTHERWISE NOTED.
- PLANT PERCENTAGES PROVIDED BY VCS ENVIRONMENTAL.
- ALL PLANTS ARE TO BE PLANTED ACCORDING TO THE DESIGNATED SPACING IN THE PLANT LEGEND, IF THE QUANTITIES SHOWN ON THE PLANS DO NOT MATCH IN THE FIELD, CONTACT THE LANDSCAPE ARCHITECT.
- ALL PLANTING TO BE FIELD DIRECTED BY CITY APPROVED BIOLOGIST.
- THE CITY WILL PROVIDE SOME OF THE TREES, SHRUBS, AND PERENNIALS INDICATED ON THESE PLANS PER A GROWING CONTRACT ALREADY ESTABLISHED WITH A NURSERY. SEE REFERENCED NURSERY PLANT LIST FOR QUANTITIES AND SIZES TO BE PROVIDED BY CITY. ALL OTHER REQUIRED TREES, SHRUBS, AND PERENNIAL PLANTS DEPICTED AS PART OF THIS WORK ON THESE PLANS BUT NOT PROVIDED BY CITY SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE AS PART OF THIS WORK.
- FIELD ADJUST TREES TO AVOID BLOCKING VIEWS AS NECESSARY UNDER DIRECTION OF CITY REPRESENTATIVE AND MAINTAIN SPACING REQUIREMENTS LISTED IN THE HMP.
- CONTRACTOR TO FILL RIP RAP VOIDS WITH SOIL AND PROVIDE 12" MINIMUM COVER OVER RIP RAP WITH NATIVE SOIL PRIOR TO HYDROSEEDING.
- CLEAR AND GRUB ALL AREAS TO RECEIVE HYDROSEED. SEE NOTE 17 ON SHEET C-2 AND SITE PREPARATION IN SPECIFICATION SECTION 32 9219.
- BASINS 0-9 TO RECEIVE 6" OF AMENDED TOPSOIL. SEE SHEETS C-15, C-16, AND C-17 FOR LOCATIONS AND SPECIFICATION SECTION 32 9000 FOR AMENDMENT.

"WET" RIPARIAN TREES					
SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	# OF PLANTS PER ACRE	O.C. SPACING
⊙	JUGLANS CALIFORNICA	SOUTHERN CALIFORNIA BLACK WALNUT	900 1 GAL, 100 15 GAL	15	SPACED RANDOMLY OR AS MARKED ON PLANS
⊙	POPULUS FREMONTI	FREMONT'S COTTONWOOD	900 5 GAL, 100 15 GAL	25	SPACED RANDOMLY OR AS MARKED ON PLANS
⊙	SALIX GOODENOUGHII	BLACK WILLOW	1 GAL	30	SPACED RANDOMLY OR AS MARKED ON PLANS
⊙	SALIX LAEVIGATA	RED WILLOW	1 GAL	30	SPACED RANDOMLY OR AS MARKED ON PLANS
"WET" RIPARIAN CONTAINER STOCK					
BOTANICAL NAME	COMMON NAME	SIZE	# OF PLANTS PER ACRE	COMMENTS	O.C. SPACING
BACCHARIS SALICIFOLIA SSP SALICIFOLIA	MULE FAT	1 GAL	35	GROUPINGS OF 2-5 INDIVIDUALS	8'-0" TO 12'-0"
CAREX BARBERAE	VALLEY SEDGE	1 GAL	8	GROUPINGS OF 2-5 INDIVIDUALS	1'-0" TO 3'-0"
JUNCUS PATENS	CALIFORNIA GRAY RUSH	1 GAL	7	GROUPINGS OF 2-6 INDIVIDUALS	2'-0"
MIMULUS CARDINALIS	SCARLET MONKEY FLOWER	1 GAL	8	GROUPINGS OF 3-4 INDIVIDUALS	2'-6"
MIMULUS GUTTATUS	SEEP MONKEY FLOWER	1 GAL	7	GROUPINGS OF 3-7 INDIVIDUALS	1'-0" TO 3'-0"
MULLENBERGIA RIGENS	DEER GRASS	1 GAL	5	GROUPINGS OF 2-5 INDIVIDUALS	2'-0"
DENOTHERA ELATA	HOOKE'S EVENING PRIMROSE	1 GAL	5	GROUPINGS OF 2-5 INDIVIDUALS	3'-0"
SALIX EXOBLA	NARROW LEAVED WILLOW	1 GAL	15	SPACED RANDOMLY OR AS MARKED ON PLANS	8'-0" TO 16'-0"
SALIX LASIOLEPIS	ARROYO WILLOW	1 GAL	15	SPACED RANDOMLY OR AS MARKED ON PLANS	6'-0" TO 35'-0"
"WET" RIPARIAN HYDROSEED MIX					
BOTANICAL NAME	COMMON NAME	LBS/ACRE			
AGROSTIS EXARATA	SPRIKE BENTGRASS	3			
CAREX BARBERAE	VALLEY SEDGE	2			
CAREX SPISSA	SAN DIEGO SEDGE	2			
EPILOBIUM CILIATUM	GREEN WILLOW HERB	0.5			
ELCUISETUM HYEMALE SSP AFFINE	HORSETAIL	CURRENTLY UNAVAILABLE			
EUTHAMIA OCCIDENTALIS	WESTERN GOLDENROD	1			
JUNCUS PATENS	CALIFORNIA GRAY RUSH	1			
JUNCUS TEXTILLIS	TEXTILE RUSH	CURRENTLY UNAVAILABLE			
JUNCUS TORREYI	TORREY'S RUSH	0.5			
MIMULUS CARDINALIS	SCARLET MONKEY FLOWER	1			
MIMULUS GUTTATUS	SEEP MONKEY FLOWER	2			
MULLENBERGIA RIGENS	DEER GRASS	4			
OENOTHERA ELATA	HOOKE'S EVENING PRIMROSE	CURRENTLY UNAVAILABLE			
PHYLLODORIS	LIPPIA	1			

"DRY" RIPARIAN TREES					
SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	# OF PLANTS PER ACRE	O.C. SPACING
⊙	JUGLANS CALIFORNICA	SOUTHERN CALIFORNIA BLACK WALNUT	900 1 GAL, 100 15 GAL	10	SPACED RANDOMLY OR AS MARKED ON PLANS
⊙	PLATANUS RACEMOSA	CALIFORNIA EYEBROW	900 5 GAL, 100 15 GAL	30	SPACED RANDOMLY OR AS MARKED ON PLANS
⊙	POPULUS FREMONTI	FREMONT'S COTTONWOOD	900 5 GAL, 100 15 GAL	10	SPACED RANDOMLY OR AS MARKED ON PLANS
⊙	QUERCUS AGRIFOLIA	COAST LIVE OAK	900 5 GAL, 100 15 GAL	25	SPACED RANDOMLY OR AS MARKED ON PLANS
⊙	SALIX GOODENOUGHII	BLACK WILLOW	1 GAL	10	SPACED RANDOMLY OR AS MARKED ON PLANS
⊙	SALIX LAEVIGATA	RED WILLOW	1 GAL	15	SPACED RANDOMLY OR AS MARKED ON PLANS
"DRY" RIPARIAN CONTAINER STOCK					
BOTANICAL NAME	COMMON NAME	SIZE	# OF PLANTS PER ACRE	COMMENTS	O.C. SPACING
BACCHARIS SALICIFOLIA SSP SALICIFOLIA	MULE FAT	1 GAL	38	GROUPINGS OF 2-8 INDIVIDUALS	5'-0" TO 12'-0"
CLEMATIS LOGSTICIFOLIA	WESTERN VIRGIN'S BOWER	1 GAL	8	SPACED RANDOMLY AS INDIVIDUALS OR GROUPINGS OF 2	PER PROJECT BIOLOGIST
ELYMUS CONDENSATUS	GIANT WILD RYE	1 GAL	13	GROUPINGS OF 3-4 INDIVIDUALS	6'-0"
HETEROMELES ARBUTIFOLIA	TOYON	1 GAL	5	SPACED RANDOMLY OR AS MARKED ON PLANS	15'-0"
MULLENBERGIA RIGENS	DEER GRASS	1 GAL	13	GROUPINGS OF 2-5 INDIVIDUALS	2'-0"
ROSA CALIFORNICA	CALIFORNIA WILD ROSE	1 GAL	13	GROUPINGS OF 2-5 INDIVIDUALS	3'-0" TO 6'-0"
RUBUS URSINUS	CALIFORNIA BLACKBERRY	1 GAL	5	GROUPINGS OF 2-3 INDIVIDUALS	10'-0" TO 20'-0"
SAMBUCUS MEXICANA	BLUE ELDERBERRY	1 GAL	5	SPACED RANDOMLY OR IN GROUPS OF 2	3'-0" TO 6'-0"
"DRY" RIPARIAN HYDROSEED MIX					
BOTANICAL NAME	COMMON NAME	LBS/ACRE			
ACHILLEA MILLEFOLIUM	YARROW	2			
ARTEMISIA DOUGLASSIANA	MUGWORT	4			
ARTEMISIA DRACUNCULUS	WILD TARRAGON	3			
BACCHARIS PILLULARIS SSP. CONSANGUINEA	COYOTE BUSH	2			
ENCELIA CALIFORNICA	BUSH SUNFLOWER	2			
EROPHYLLUM CONFERTIFOLIUM	GOLDEN YARROW	4			
MIMULUS AURANTIACUS	STICKY MONKEY FLOWER	2			
SOLEIAGO CALIFORNICA	CALIFORNIA GOLDENROD	1			
VENEGASIA CARPESCOIDES	CANYON SUNFLOWER	CURRENTLY UNAVAILABLE			

RIPARIAN ADJACENT WOODLANDS/COASTAL SCRUB TRANSITION TREES					
SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	# OF PLANTS PER ACRE	O.C. SPACING
⊙	JUGLANS CALIFORNICA	SOUTHERN CALIFORNIA BLACK WALNUT	900 1 GAL, 100 15 GAL	40	SPACED RANDOMLY OR AS MARKED ON PLANS
⊙	QUERCUS AGRIFOLIA	COAST LIVE OAK	900 5 GAL, 100 15 GAL	80	SPACED RANDOMLY OR AS MARKED ON PLANS
RIPARIAN ADJACENT WOODLANDS/COASTAL TRANSITION CONTAINER STOCK					
BOTANICAL NAME	COMMON NAME	SIZE	# OF PLANTS PER ACRE	COMMENTS	O.C. SPACING
BACCHARIS PILLULARIS SSP. CONSANGUINEA	COYOTE BUSH	1 GAL	45	GROUPINGS OF 2-3 INDIVIDUALS	6'-0" TO 8'-0"
CELANOTHUS SPINOSUS	GREENBARK CEANOTHUS	1 GAL	5	SPACED RANDOMLY AS INDIVIDUALS OR GROUPINGS OF 2	8'-0"
ELYMUS CONDENSATUS	GIANT WILD RYE	1 GAL	40	GROUPINGS OF 3-4 INDIVIDUALS	6'-0"
HETEROMELES ARBUTIFOLIA	TOYON	1 GAL	5	SPACED RANDOMLY OR AS MARKED ON PLANS	15'-0"
SAMBUCUS MEXICANA	BLUE ELDERBERRY	1 GAL	5	SPACED RANDOMLY OR IN GROUPS OF 2	3'-0" TO 6'-0"
RIPARIAN ADJACENT WOODLANDS/COASTAL TRANSITION HYDROSEED MIX					
BOTANICAL NAME	COMMON NAME	LBS/ACRE			
ACHILLEA MILLEFOLIUM	YARROW	2			
ARTEMISIA DOUGLASSIANA	MUGWORT	4			
BACCHARIS PILLULARIS SSP. CONSANGUINEA	COYOTE BUSH	3			
ENCELIA CALIFORNICA	BUSH SUNFLOWER	2			
EROPHYLLUM CONFERTIFOLIUM	GOLDEN YARROW	4			
MIMULUS AURANTIACUS	STICKY MONKEY FLOWER	2			
SOLEIAGO CALIFORNICA	CALIFORNIA GOLDENROD	1			
VENEGASIA CARPESCOIDES	CANYON SUNFLOWER	CURRENTLY UNAVAILABLE			

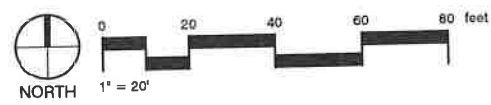
FUEL MODIFICATION ZONE TREES					
SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	# OF PLANTS PER ACRE	O.C. SPACING
⊙	JUGLANS CALIFORNICA	SOUTHERN CALIFORNIA BLACK WALNUT	900 1 GAL, 100 15 GAL	30	SPACED RANDOMLY OR AS MARKED ON PLANS
⊙	QUERCUS AGRIFOLIA	COAST LIVE OAK	900 5 GAL, 100 15 GAL	70	SPACED RANDOMLY OR AS MARKED ON PLANS
FUEL MODIFICATION ZONE CONTAINER STOCK					
SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	# OF PLANTS PER ACRE	O.C. SPACING
⊙	CELANOTHUS SPINOSUS	GREENBARK CEANOTHUS	1 GAL	3	SPACED RANDOMLY AS INDIVIDUALS OR GROUPINGS OF 2
⊙	HETEROMELES ARBUTIFOLIA	TOYON	1 GAL	3	SPACED RANDOMLY OR AS MARKED ON PLANS
⊙	SAMBUCUS MEXICANA	BLUE ELDERBERRY	1 GAL	2	SPACED RANDOMLY OR IN GROUPS OF 2
⊙	ADAMIRON GLAMER	DEERWEED	1 GAL	6	GROUPINGS OF 3-7 INDIVIDUALS
⊙	ENCELIA CALIFORNICA	BUSH SUNFLOWER	1 GAL	8	GROUPINGS OF 2-8 INDIVIDUALS
⊙	EROPHYLLUM CONFERTIFOLIUM	ASHY-LEAF BUCKWHEAT	1 GAL	5	GROUPINGS OF 3-7 INDIVIDUALS
⊙	ISORHIZA MEDICISIS VAR. DOLIBERENSIS	GOLDENBUSH	1 GAL	5	GROUPINGS OF 3-4 INDIVIDUALS
⊙	MALACOTHAMNUS FASCICULATUS	BUSH MALLOW	1 GAL	10	GROUPINGS OF 2-4 INDIVIDUALS
⊙	MIMULUS AURANTIACUS	STICKY MONKEY FLOWER	1 GAL	5	GROUPINGS OF 3-4 INDIVIDUALS
⊙	PERITOMA ARBOREA	BLADEPOOP	1 GAL	3	SPACED RANDOMLY OR IN GROUPS OF 2
⊙	RHUS INTEGRIFOLIA	LEMOHADE BERRY	1 GAL	3	SPACED RANDOMLY OR IN GROUPS OF 2
⊙	SALVIA APIANA	WHITE SAGE	1 GAL	4	GROUPINGS OF 3-5 INDIVIDUALS
⊙	SALVIA MELIFERA	BLACK SAGE	1 GAL	4	GROUPINGS OF 3-5 INDIVIDUALS
⊙	AGAVE SHAWII	SHAW'S AGAVE	1 GAL	5	SPACED RANDOMLY AS INDIVIDUALS OR GROUPINGS OF 2
⊙	HESPERYUCCA WHIRLPEY	CHAPARRAL YUCCA	1 GAL	8	SPACED RANDOMLY AS INDIVIDUALS
⊙	OPTUNIA LITORALIS	COASTAL PRICKLY PEAR	1 GAL	30	GROUPINGS OF 3-5 INDIVIDUALS
FUEL MODIFICATION ZONE HYDROSEED MIX					
BOTANICAL NAME	COMMON NAME	LBS/ACRE			
BLOOMERIA CHOCEA	GOLDEN STAIR	1			
CAMISSONIA MICRANTHA	SMALL PRIMROSE	CURRENTLY UNAVAILABLE			
CLARKIA BOTTAE	FIREWHEEL TO SPRUCE	0.5			
CROTON SETIGERUS	TURKEY MULLIN	2			
CUCURBITA	STRIKING GOURD	4			
ECHINOCALYPSA CAESPITOSA	SHAW CALIFORNIA POPPY	2			
GRANDELLIA STRICTA	COASTAL CUM PLANT	CURRENTLY UNAVAILABLE			
LANTHERA CALIFORNICA	COAST GOLDIELDS	1			
LANTHERA CORONARIA	SOUTHERN GOLDIELDS	CURRENTLY UNAVAILABLE			
LOTUS PURSHIANUS	SPRINKLE CLOVER	3			
LOTUS SALUSCINOSUS	COASTAL LOTUS	2			
LOTUS STRIOSUS	STRIOSE LOTUS	1			
LUPULUS BICOLOR	DOVE LUPINE	2			
LUPULUS NANUS	SKY LUPINE	3			
LUPULUS TRIPALICATUS	COLLAR LUPINE	3			
HEMIPHYSALIS MENZIESII	BASH BLUE EYER	1			
FRAXELIA MINOR	CALIFORNIA BLUE BELLS	5.5			
BIYRANCHIUM BELLUM	BLUE EYED GRASS	2			



BUREAU OF ENGINEERING
 CITY OF LOS ANGELES
 DEPARTMENT OF PUBLIC WORKS
 ARCHITECTURAL DIVISION
 GARY LEE MOORE, PE, ENV SP CITY ENGINEER
 ARCHITECT
 SHEET TITLE: TYPICAL PLANTING LAYOUT
 PROJECT: POTRERO CANYON PARK
 ADDRESS: 15101, 15175 AND 15145 PACIFIC COAST HIGHWAY
 PACIFICA PALISADES, CA 90272
 WORK ORDER NO. E1908635
 PLAN FILE NO. 720
 DRAWING NO. L717
 SHEET 76 OF 95
 INDEX NO. D-35381
 BUILDING NO.

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REC CENTER TREE PLANTING LEGEND			
SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE
	QUERCUS AGRIFOLIA	COAST LIVE OAK	36" BOX

PARK SHRUB PLANTING LEGEND			
SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE
	BACCHARIS PILULARIS	DWARF COYOTE	5 GAL.
	GALVEZIA SPECIOSA	ISLAND BUSH	5 GAL.
	MULLENBERGIA FRIGENS	DEER GRASS	5 GAL.
	SALVIA LEUCOPHYLLA	PURPLE SAGE	5 GAL.

PARK GROUNDCOVER PLANTING LEGEND			
HATCH	BOTANICAL NAME	COMMON NAME	SIZE / SPACING
	CEANOETHUS CLOROBUS	ANCHOR BAY	1 GAL.
	CEANOETHUS	ANCHOR BAY	1 GAL.
		BARK MULCH	



NORTH
 NOTE:
 FOR PLANT QUANTITIES AND ZONE ACREAGE SEE SHEET L700

BUREAU OF ENGINEERING

CITY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER ARCHITECTURAL DIVISION

ARCHITECT: GARY LEE MOORE, PE, ENV SP CITY ENGINEER ARCHITECTURAL DIVISION

DESIGNED BY: MS/AC

DRAWN BY: KSEK

CHECKED BY: MSKS

APPROVED BY: MARNOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

INDEX NO. **D-35381**

SHEET TITLE: **PLANTING PLAN - PALISADES REC CENTER PARKING LOT**

PROJECT: **POTRERO CANYON PARK**

ADDRESS: **15101, 15125 AND 15145 PACIFIC COAST HIGHWAY PACIFICA PALISADES, CA 90272**

WORK ORDER NO. **E1908635**

PLAN FILE NO. **720**

DRAWING NO. **L718**

SHEET **77** OF **95**

