CALIFORNIA COASTAL COMMISSION
SOUTH COAST DISTRICT OFFICE
301 E. OCEAN BLVD, SUITE 300
LONG BEACH, CA 90802-4325
VOICE (562) 590-5071
FAX (562) 590-5084

Click here to go to staff report

Th17a

5-91-286-A13 (City of Los Angeles)

JULY 14, 2022

EXHIBITS

Exhibit 1 – Vicinity Map 2
Exhibit 2 – Site Plans 4
Exhibit 3 – Kiosk and Interpretive Sign Panel Plans 7
Exhibit 4 – Progress Report (dated May 22, 2022) 12
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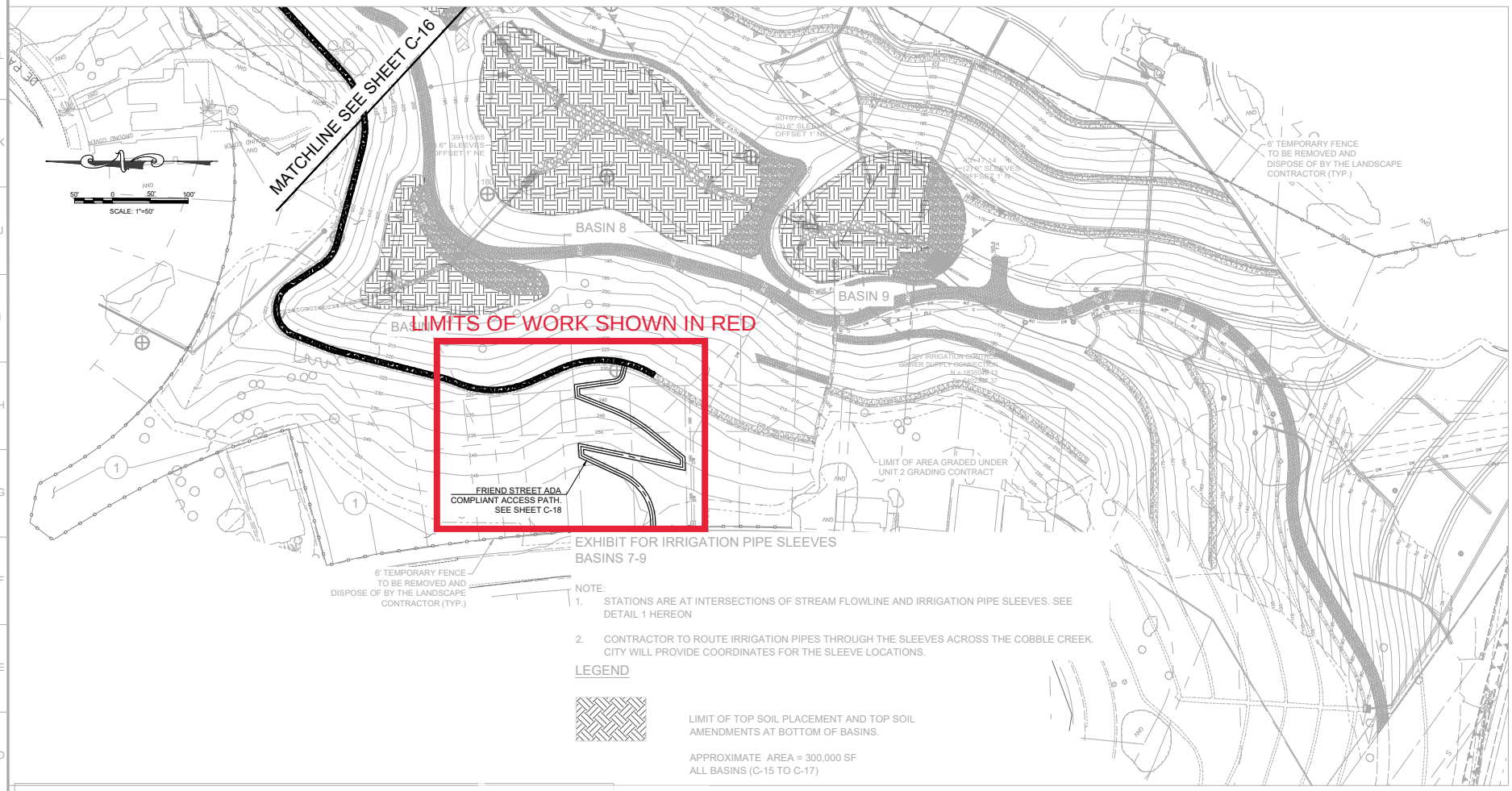
Exhibit 7 – Amendment Request Form & Supplement 37

Exhibit 1 – Vicinity Map

Subject Site
Potrero
Canyon Park
Temporarily closed
N Lombar
Via de Las olas
W Friends St
Pacific Coast Hwy
Alma Real Dr
La Cumbre Dr
Corona Del Mar
Baywatch Headquarters
1

Exhibit 2 – Site Plans



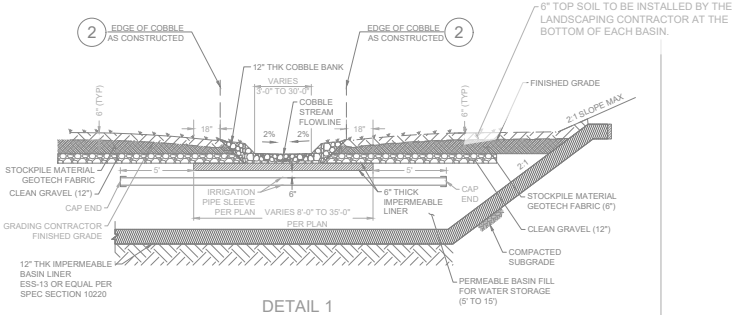
NOTE:

1. STATIONS ARE AT INTERSECTIONS OF STREAM FLOWLINE AND IRRIGATION PIPE SLEEVES. SEE DETAIL 1 HEREON
2. 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

1 a. 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.

b. 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.

c. 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.

2 CITY AT IT'S SOLE DISCRETION MAY EXPAND COBBLE STREAM IN CERTAIN BASINS. CONTRACTOR TO PERFORM THE WORK AT UNIT PRICE PER SQUARE YARD INCLUDED IN IT'S 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

REVISIONS: NO. REVISED PER PLAN CLARIFICATION 10 — DATE BY

WORK ACCEPTED — SERIAL NO.

B - PERMITS

INDEX NO.

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 7 TO 9 LAYOUT
PROJECT: POTRERO CANYON PARK UNIT 3 GRADING
ADDRESS: 15101, 15125 AND 15145 PACIFIC COAST HIGHWAY PACIFIC PALISADES, CA. 90272

DRAWING NO. E1908635

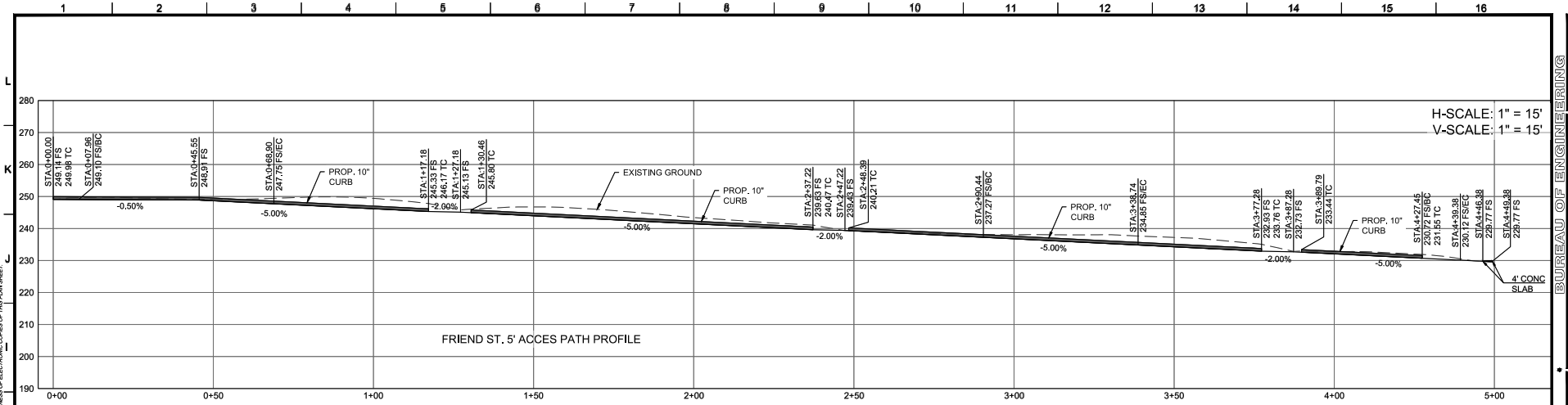
C-17

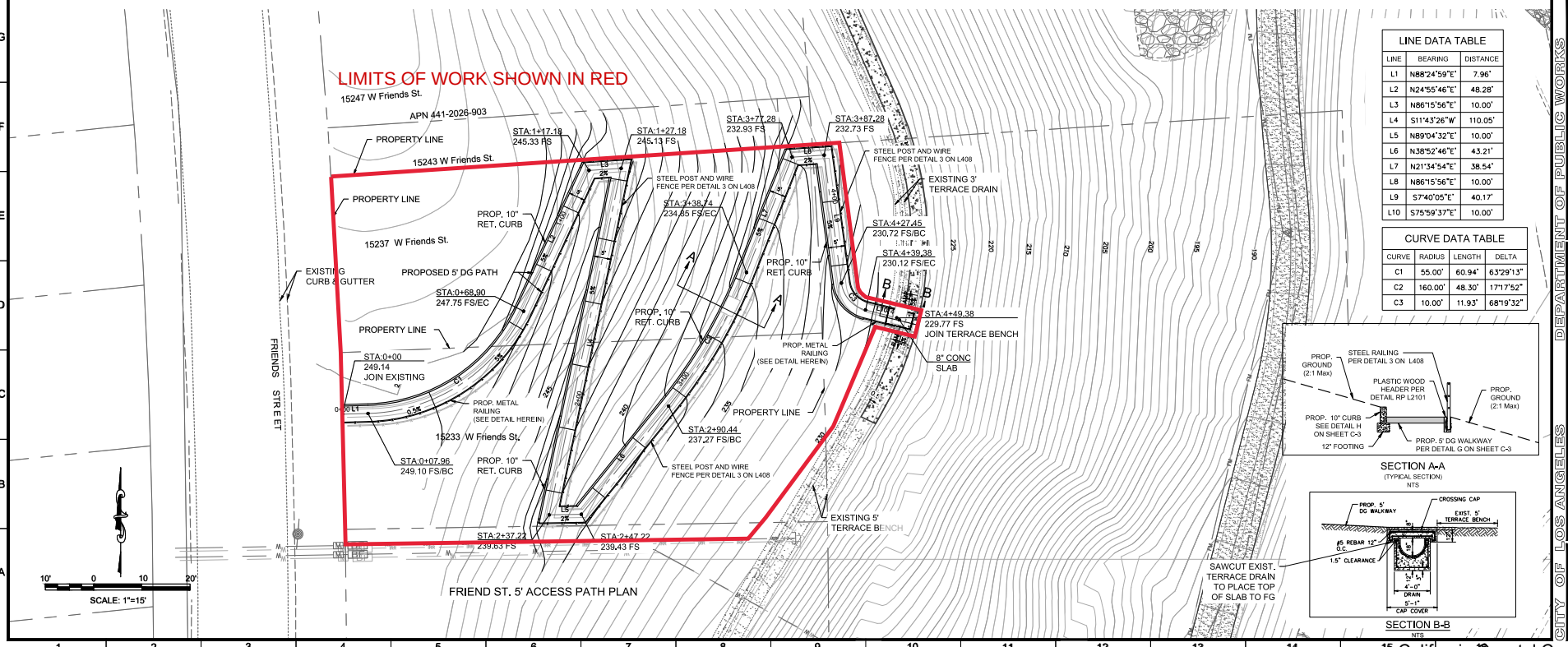
SHEET 22 OF 95 SHEETS

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.

HERNAN NAVES
(DESIGN STAGE ONLY)

Sheet Version 6.0 2-2015





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"

SECTION A-A
(TYPICAL SECTION)
NTS

SECTION B-B
NTS

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
ENGINEERING CITY OF LOS ANGELES

VERTICAL CONTROL:
HORIZONTAL CONTROL: SEE PLAN SHEETS FOR CONTROL LINE REFERENCE

SHEET TITLE: FRIEND STREET ADA PATH
PROJECT: POTRERO CANYON PARK UNIT 3 GRADING
ADDRESS: 15101, 15126 AND 15145 PACIFIC COAST HIGHWAY PACIFIC PALISADES, CA. 90272

ENGINEER:
DESIGN GROUP
DESIGNED BY: HERNAN IGNACIO
DRAWN BY: HERNAN IGNACIO
CHECKED BY:
APPROVED BY: RIAZ CHAUDHARY, PE

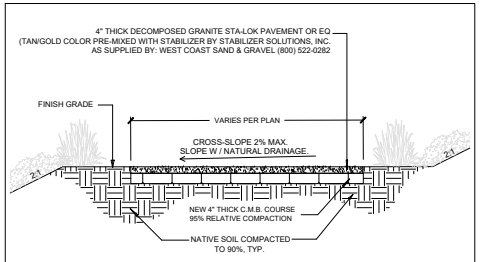
NO. REVISIONS: DATE BY:
1 REVISED PER PLAN CLARIFICATION 10
WORK ACCEPTED SERIAL NO.
B - PERMITS
INDEX NO. D-35381

DRAWING NO. E1908635
C-18
SHEET 23 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)

Sheet Version 6.0 2-2015



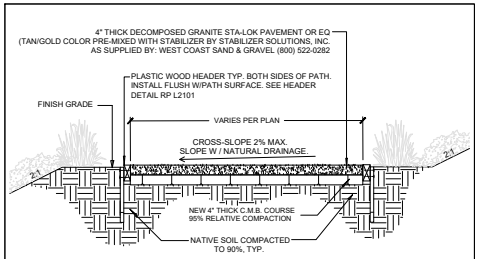
TYPICAL PATH SECTION

NOTES:

1. ALL D.G. PATHS SHALL NOT EXCEED A RUNNING SLOPE GREATER THAN 6%. SEE GRADING PLAN
2. DECOMPOSED GRANITE MATERIAL SHALL BE PRE-MIXED WITH STABILIZER (AMOUNT/ RATIO PER MANUFACTURER'S RECOMMENDATION) BY SUPPLIER OR BATCH MIXED ON SITE PRIOR TO PLACEMENT TO ENSURE THOROUGH AND EVEN DISTRIBUTION THROUGH OUT MIXTURE. SEE LANDSCAPE CONSTRUCTION NOTES.

RP VERSION 05/06/04 SLG

1	DECOMPOSED GRANITE PATH	
N.T.S.	BOE VERSION Dec/08 - SHD	RP DETAIL L3811



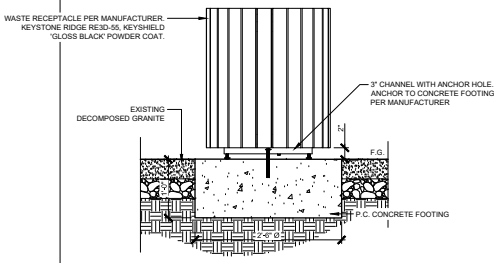
TYPICAL PATH SECTION

NOTES:

1. ALL D.G. PATHS SHALL NOT EXCEED A RUNNING SLOPE GREATER THAN 6%. SEE GRADING PLAN
2. DECOMPOSED GRANITE MATERIAL SHALL BE PRE-MIXED WITH STABILIZER (AMOUNT/ RATIO PER MANUFACTURER'S RECOMMENDATION) BY SUPPLIER OR BATCH MIXED ON SITE PRIOR TO PLACEMENT TO ENSURE THOROUGH AND EVEN DISTRIBUTION THROUGH OUT MIXTURE. SEE LANDSCAPE CONSTRUCTION NOTES.

RP VERSION 05/06/04 SLG

2	DECOMPOSED GRANITE PATH WITH PLASTIC WOOD HEADER	
N.T.S.	BOE VERSION Dec/08 - SHD	RP DETAIL L3811



NOTE: CONTRACTOR TO REMOVE AND SALVAGE EXISTING DECOMPOSED GRANITE FOR INSTALLATION OF TRASH RECEPTACLE AND ASSOCIATED FOOTING. REPAIR 4" SECTION OF DECOMPOSED GRANITE, RE-COMPACT AND STABILIZE TO ORIGINAL CONDITION ADJACENT TO CONCRETE FOOTING. DECOMPOSED GRANITE MATERIAL SHALL BE PRE-MIXED WITH STABILIZER BY "STABILIZER, INC." (800-336-2468) WITH AMOUNT AND RATIO PER MANUFACTURER'S RECOMMENDATION AND BATCH MIXED ON SITE PRIOR TO PLACEMENT TO ENSURE THOROUGH AND EVEN DISTRIBUTION THROUGHOUT MIXTURE.

3	TRASH RECEPTACLE ON CONCRETE FOOTING	
1/2"=1'-0"		RRM DETAIL

OFFICIAL RECORD

BUREAU OF ENGINEERING

ENGINEERING — CITY OF LOS ANGELES

NO.	REVISIONS:	DATE	BY
1			
2			
3			
4			
5			

BUILDING NO.

INDEX NO. D-35381

REGISTERED LANDSCAPE ARCHITECT — REGISTRATION NO. 4320 — STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP — CITY ENGINEER

DATE:

ARCHITECTURAL DIVISION

LIC. NO.

ARCHITECT:

DESIGNED BY: MSJAC

DRAWN BY: KSIEK

CHECKED BY: MSHS

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

CITY OF LOS ANGELES

VERTICAL CONTROL:

HORIZONTAL CONTROL:

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. L411

SHEET 39 OF 95 SHEETS

ASTER-1 (R-2002)

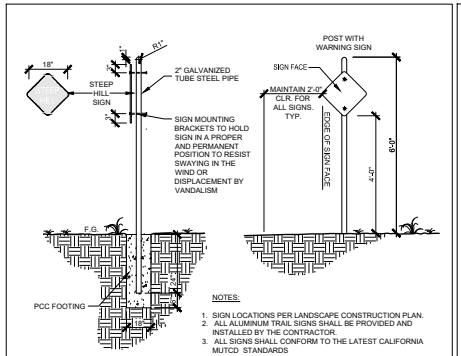
DESIGN DATES (DESIGN STAGE ONLY)

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.

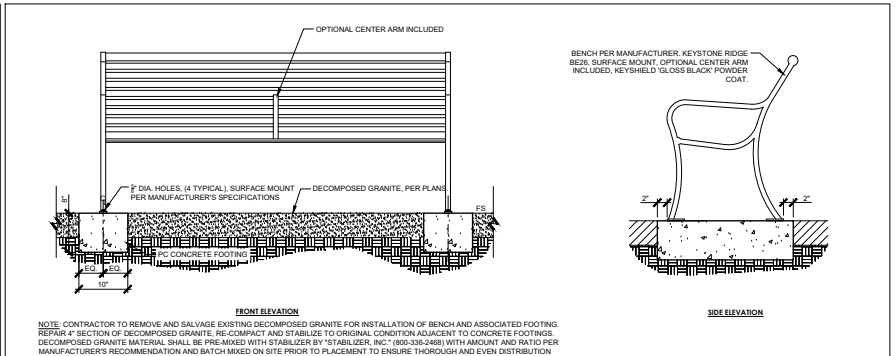
TEMPLATE SHEET REVISION DATE: 08/20/14

REVISION DATE: 10/16/2013 3:54 PM FILE: N:\0111913\1017\POTRERO-CANYON-PARK\PLANNING\CONSTRUCTION DOCUMENTS\AUTOCAD\13113\97-CD.DWG

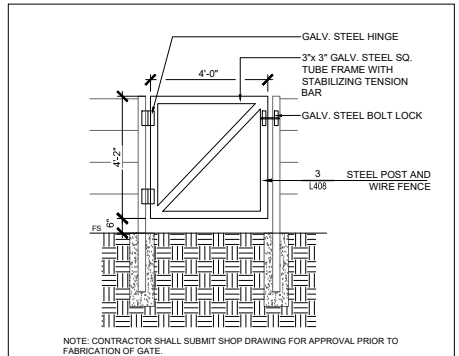
Exhibit 3 – Kiosk and Interpretive Sign Panel Plans



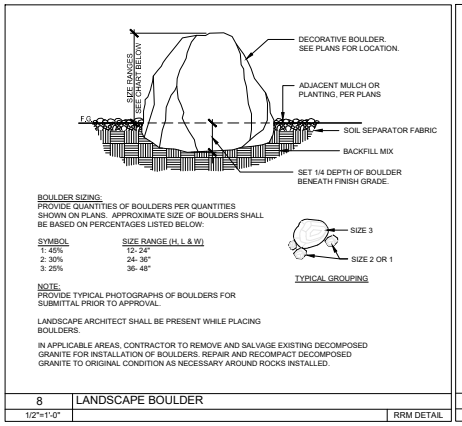
7	STEEP HILL SIGN	
1/2"=1'-0"		RRM DETAIL



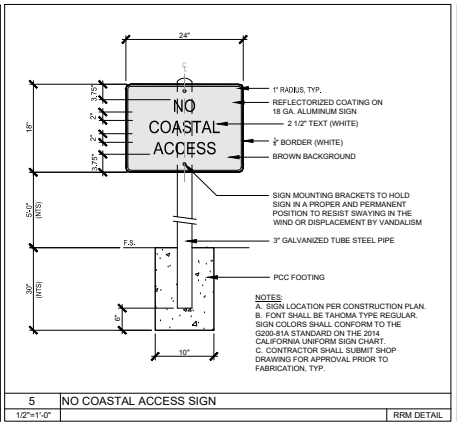
4	BENCH IN DECOMPOSED GRANITE	
1"=1'-0"		RRM DETAIL



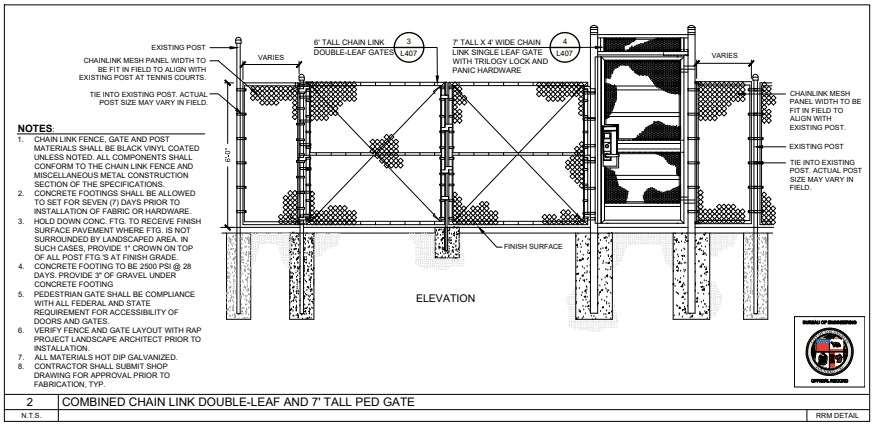
1	4' MAINTENANCE GATE	
1/2"=1'-0"		RRM DETAIL



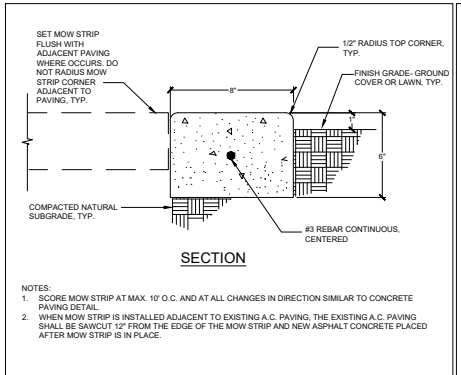
8	LANDSCAPE BOULDER	
1/2"=1'-0"		RRM DETAIL



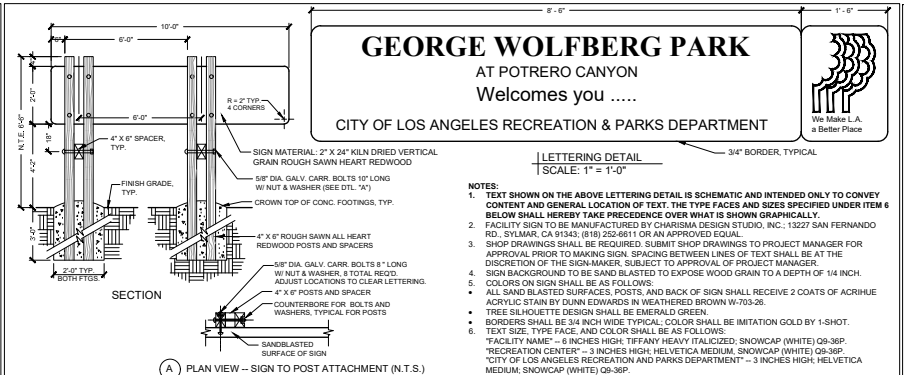
5	NO COASTAL ACCESS SIGN	
1/2"=1'-0"		RRM DETAIL



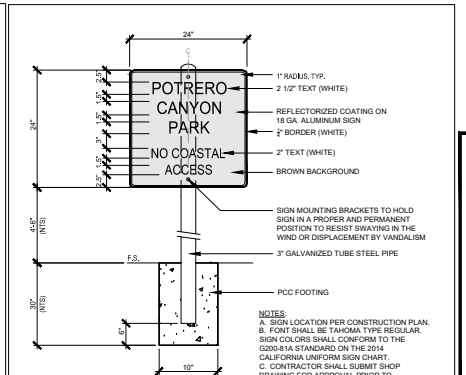
2	COMBINED CHAIN LINK DOUBLE-LEAF AND 7' TALL PED GATE	
N.T.S.		RRM DETAIL



9	CONCRETE MOW CURB	
N.T.S.	BOE VERSION Feb/08 - RF,SD	RP DETAIL 3200



6	WOOD FACILITY SIGN	
N.T.S.	BOE VERSION JUL/11 - RWF ; RAP VERSION 08-15-98 / PTN, JPH	RP DETAIL L600



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

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

DESIGN DATES (DESIGN STAGE ONLY)

TEMPLATE SHEET REVISION DATE: 08/20/14
REVISION DATE: 10/16/2013 3:54 PM FILE: N:\2011\013110\POTRERO-CANYON-PARK\PLANNING\CONSTRUCTION DOCUMENTS\AUTOCAD\13110\D-CLD.DWG

CITY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

NO. REVISIONS: DATE: BY:

BUILDING NO.

INDEX NO. D-35381

REGISTERED PROFESSIONAL ENGINEER
GARY LEE MOORE
No. C 34927
Expiration Date 12/31/15
CIVIL
STATE OF CALIFORNIA

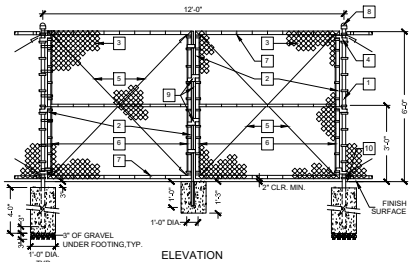
GARY LEE MOORE, PE, ENV SP CITY ENGINEER
DATE
ARCHITECTURAL DIVISION
ARCHITECT:
LIC. NO.
DESIGNED BY: MS/AC
DRAWN BY: KS/EK
CHECKED BY: MS/NS
APPROVED BY: MAHMOOD KARMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL
HORIZONTAL CONTROL

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. L406
SHEET 34 OF SHEETS 95

ASTER-18-0000-1



ELEVATION

GATE MATERIALS

1. POSTS: POSTS 3-1/2" O.D. WITH 12" DIA. X 4'-0" DEEP FOOTINGS.
2. GATE FRAMES: TOP, BOTTOM AND SIDE MEMBERS 2-3/8" O.D., MID-RAIL 1-5/8" O.D. MITER GATE FRAME CORNERS, WELD AND GRIND SMOOTH.
3. FABRIC: 9-GAUGE, 2" SQUARE MESH, KNUCKLE TOP AND BOTTOM, PLACE ON EXTERIOR SIDE OF GATES.
4. HINGES: INDUSTRIAL BULLDOG HINGE (180¼ SWING), 2 HINGES PER GATE, ONE AT TOP AND BOTTOM.
5. TRUSS ROD: 3/8" DIA. THREADED AT BOTH ENDS & TENSIONED WITH TWO INDUSTRIAL TRUSS TIGHTENERS SECURED TO GATE FRAME.
6. STRETCHER BAR: 3/16" X 3/4" WITH 1/8" X 1" TENSION BANDS AT 1'-0" O.C.
7. TIE WIRES: 11-GAUGE & 1'-6" O.C. AT GATE FRAME TOP, BOTTOM AND MID RAILS.
8. POST CAPS SHALL BE MALLEABLE IRON OR PRESSED STEEL.
9. CAST ALUMINUM FORK LATCH.
10. PROVIDE A 1" CROWN AT TOP OF ALL POST FOOTINGS.

NOTES :

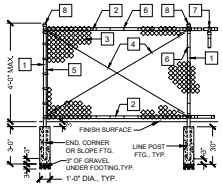
1. CHAIN LINK FENCE, GATE AND POST MATERIALS SHALL BE BLACK VINYL COATED UNLESS NOTED. ALL COMPONENTS SHALL CONFORM TO THE CHAIN LINK FENCE AND MISCELLANEOUS METAL CONSTRUCTION SECTION OF THE SPECIFICATIONS.
2. CONCRETE FOOTINGS SHALL BE ALLOWED TO SET FOR SEVEN (7) DAYS PRIOR TO INSTALLATION OF FABRIC OR HARDWARE.
3. 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.
4. CONC. FTG. TO BE 2500 PSI @ 28 DAYS. PROVIDE 3" OF GRAVEL UNDER CONC. FTG
5. 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

OPTIONS (OPTIONS CHECKED SHALL PREVAIL)

☒ VINYL COATED CHAIN LINK FABRIC SHALL BE INDICATED IN SPECIFICATIONS. ALL FENCE MATERIALS SHALL BE AS INDICATED HEREON AND PAINTED PER NOTICE TO CONTRACTORS TO MATCH THE FABRIC COLOR. THE COLOR SHALL BE BLACK.

☐ ALL FENCING SHALL HAVE A STANDARD GALVANIZED FINISH.



ELEVATION

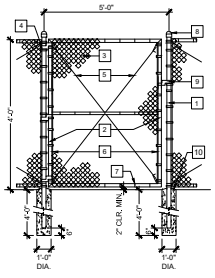
FENCING MATERIALS

1. POSTS: END, CORNER AND SLOPE POSTS 2-7/8" O.D., LINE POSTS 2-3/8" O.D. POST SPACING TO BE 10'-0" MAX.
2. RAILS: TOP AND BOTTOM RAILS 1-5/8" O.D.
3. FABRIC: 9 GAUGE, 2" MESH, KNUCKLE TOP AND BOTTOM, PLACE ON PATH OR EXTERIOR SIDE OF POSTS.
4. TRUSS ROD: 3/8" DIAM. THREADED AT BOTH ENDS AND TENSIONED WITH TWO INDUSTRIAL TRUSS TIGHTENERS SECURED TO RAIL ENDS. TRUSS PANEL SHALL BE LOCATED AT END AND CORNER PANELS OF 30" OR GREATER TURN AND AT INTERVALS NOT TO EXCEED 100'. HOG RING FABRIC TO RODS AT MAX. 3'-0" O.C.
5. STRETCHER BAR: 3/16" X 3/4" WITH 1/8" X 1" TENSION BANDS AT 1'-0" O.C.
6. TIE WIRES: 11 GAUGE AT 1'-6" O.C. AT TOP, BOTTOM AND LINE POSTS.
7. LINE POST EYE TOPS & RAIL ENDS SHALL BE MALLEABLE IRON OR PRESSED STEEL. SECURE RAIL ENDS TO POSTS WITH 1/8" X 1" BRACE BANDS.
8. POST CAPS SHALL BE MALLEABLE IRON OR PRESSED STEEL.

NOTES:

1. CHAIN LINK FENCE MATERIALS SHALL CONFORM TO THE CHAIN LINK FENCE AND MISCELLANEOUS METAL CONSTRUCTION SECTION OF THE NOTICE TO CONTRACTORS.
2. CONCRETE FOOTINGS SHALL BE ALLOWED TO SET FOR SEVEN (7) DAYS PRIOR TO INSTALLATION OF FABRIC OR HARDWARE.
3. THE BOTTOM OF THE FABRIC SHALL BE POSITIONED ONE INCH ABOVE FINISH GRADE.
4. 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.
5. CONC. FTG. TO BE 2500 PSI @ 28 DAYS. PROVIDE 3" OF GRAVEL UNDER CONC. FTG.
6. 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
NOT TO SCALE

GATE MATERIALS:

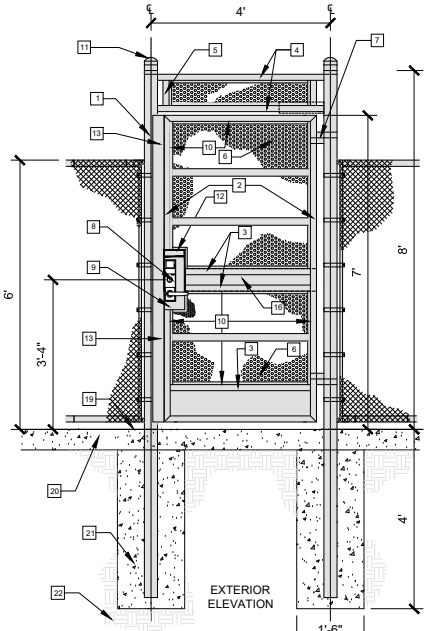
1. POSTS: 3-1/2" O.D. WITH 12" DIA. X 4'-0" DEEP FOOTINGS.
2. GATE FRAMES: TOP, BOTTOM AND SIDE MEMBERS: 2-3/8" O.D., MID RAIL 1-5/8" O.D. MITER GATE FRAME CORNERS, WELD AND GRIND SMOOTH.
3. FABRIC: 9-GAUGE, 2" SQUARE MESH, KNUCKLE TOP AND BOTTOM, PLACE ON EXTERIOR SIDE OF GATES.
4. HINGES: INDUSTRIAL BULLDOG HINGE (180¼ SWING), 2 HINGES PER GATE, ONE AT TOP AND BOTTOM.
5. TRUSS ROD: 3/8" DIA. THREADED AT BOTH ENDS AND TENSIONED WITH TWO INDUSTRIAL TRUSS TIGHTENERS SECURED TO GATE FRAME.
6. STRETCHER BAR: 3/16" X 3/4" WITH 1/8" X 1" TENSION BANDS AT 1'-0" O.C.
7. TIE WIRES: 11-GAUGE AT 1'-6" O.C AT GATE FRAME TOP, BOTTOM AND MID RAILS.
8. POST CAPS SHALL BE MALLEABLE IRON OR PRESSED STEEL.
9. LOCKABLE CAST ALUMINUM FORK LATCH
10. PROVIDE A 1" CROWN AT TOP OF ALL POST FOOTINGS.

NOTES:

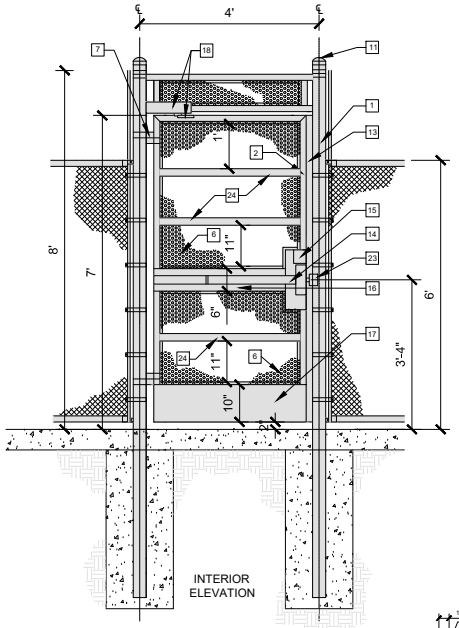
1. CHAIN LINK FENCE, GATE AND POST MATERIALS SHALL BE BLACK VINYL COATED TO MATCH CHAIN LINK FENCE.
2. ALL COMPONENTS SHALL CONFORM TO THE CHAIN LINK FENCE AND MISCELLANEOUS METAL CONSTRUCTION SECTION OF THE SPECIFICATIONS.
3. CONCRETE FOOTINGS SHALL BE ALLOWED TO SET FOR SEVEN DAYS PRIOR TO INSTALLATION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

VERSION 04/18/06 - RWF

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



EXTERIOR ELEVATION



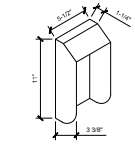
INTERIOR ELEVATION

GATE MATERIALS

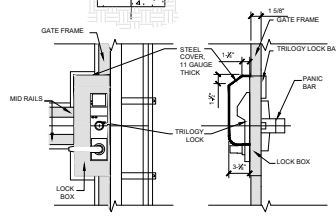
1. POSTS: 3-1/2" O.D. WITH 12" DIA. X 4'-0" DEEP FOOTINGS.
2. GATE FRAMES: TOP, BOTTOM AND SIDE MEMBERS: 1-5/8" O.D., MITER GATE FRAME CORNERS, WELD AND GRIND SMOOTH.
3. GATE RAILS: MID RAILS, 1-5/8" O.D. WELD TO GATE FRAME SIDE MEMBERS AND STEEL LOCK BOX AND GRIND SMOOTH.
4. RAILS: TOP AND BOTTOM RAILS, 1-5/8" O.D., WELD TO POST.
5. SIDE MEMBERS: 1-5/8" O.D., WELD TO TOP AND BOTTOM RAILS.
6. 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.
7. HINGES: HEAVY DUTY COMMERCIAL HINGES WELD TO POSTS, 2 HINGES PER GATE, ONE AT TOP AND BOTTOM.
8. ALARM LOCK TRILOGY ETDL-S1G-26D-V99 KEYLESS CONTROL UNIT WITH ALARM LOCK ET-BIC/26D BEST KIT. SATIN CHROME FINISH.
9. 5-1/2" WIDTH X 16" LENGTH X 1-3/4" DEPTH STEEL BOX TO HOUSE TRILOGY LOCK ASSEMBLY. STEEL TO BE 3/16" THICK.
10. 5/8" WIDE GALVANIZED STEEL METAL BAR, 1/4" THICK, CONTINUOUS WELD TO GATE FRAME.
11. POST CAPS SHALL BE MALLEABLE IRON OR PRESSED STEEL.
12. 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.
13. 3" X 2" X 82" LATCH PROTECT METAL BAR, TACK WELD TO GATE FRAME FOR THE ENTIRE LENGTH OF LATCH SIDE OF GATE.
14. PANIC BAR ASSEMBLY. AVAILABLE THROUGH VON DUPRIN MODEL #99EO 26D 48" OR APPROVED EQUAL. SATIN CHROME FINISH.
15. TRILOGY LOCK BATTERY UNIT.
16. 3/16" THICK X 6" 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.
17. 10" METAL KICK PLATE 3/16" THICK (INSIDE OF PARK), WELD TO GATE FRAME ON PARK SIDE OF GATE.
18. GATE CLOSURE UNIT, AVAILABLE THROUGH LCN, MODEL # 4040XP R-W/PA 689 OR APPROVED EQUAL.
19. PROVIDE A 1" CROWN AT TOP OF ALL POST FOOTINGS
20. CONCRETE PAVING.
21. CONCRETE FOOTING, SEE DETAIL, THIS SHEET.
22. 90% RELATIVE COMPACTED SUBGRADE
23. GATE STRIKE, WELD TO POST
24. 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.

NOTES:

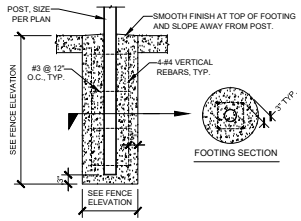
1. CHAIN LINK FENCE, GATE AND POST MATERIALS SHALL BE BLACK VINYL COATED UNLESS NOTED. ALL COMPONENTS SHALL CONFORM TO THE CHAIN LINK FENCE AND MISCELLANEOUS METAL CONSTRUCTION SECTION OF THE SPECIFICATIONS.
2. CONCRETE FOOTINGS SHALL BE ALLOWED TO SET FOR SEVEN (7) DAYS PRIOR TO INSTALLATION OF FABRIC OR HARDWARE.
3. 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.
4. CONCRETE FOOTING TO BE 2500 PSI @ 28 DAYS. PROVIDE 3" OF GRAVEL UNDER CONCRETE FOOTING
5. PEDESTRIAN GATE SHALL BE COMPLIANCE WITH ALL FEDERAL AND STATE REQUIREMENT FOR ACCESSIBILITY OF DOORS AND GATES.
6. VERIFY FENCE AND GATE LAYOUT WITH RAP PROJECT LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
7. ALL MATERIALS HOT DIP GALVANIZED.



TRILOGY LOCK STEEL COVER



TRILOGY LOCK DETAILS



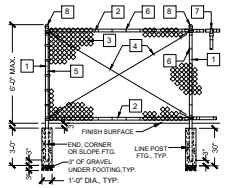
CONCRETE FOOTING DETAIL

4 | 7' TALL X 4' WIDE CHAIN LINK SINGLE LEAF GATE WITH TRILOGY LOCK AND PANIC HARDWARE | N.T.S.

OPTIONS (OPTIONS CHECKED SHALL PREVAIL)

☒ VINYL COATED CHAIN LINK FABRIC SHALL BE INDICATED IN SPECIFICATIONS. ALL FENCE MATERIALS SHALL BE AS INDICATED HEREON AND PAINTED PER NOTICE TO CONTRACTORS TO MATCH THE FABRIC COLOR. THE COLOR SHALL BE BLACK.

☐ ALL FENCING SHALL HAVE A STANDARD GALVANIZED FINISH.



ELEVATION

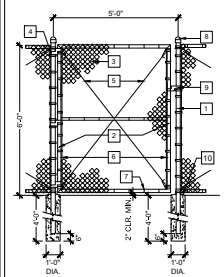
FENCING MATERIALS

1. POSTS: END, CORNER AND SLOPE POSTS 2-7/8" O.D., LINE POSTS 2-3/8" O.D. POST SPACING TO BE 10'-0" MAX.
2. RAILS: TOP AND BOTTOM RAILS 1-5/8" O.D.
3. FABRIC: 9 GAUGE, 2" MESH, KNUCKLE TOP AND BOTTOM, PLACE ON PATH OR EXTERIOR SIDE OF POSTS.
4. TRUSS ROD: 3/8" DIAM. THREADED AT BOTH ENDS AND TENSIONED WITH TWO INDUSTRIAL TRUSS TIGHTENERS SECURED TO RAIL ENDS. TRUSS PANEL SHALL BE LOCATED AT END AND CORNER PANELS OF 30" OR GREATER TURN AND AT INTERVALS NOT TO EXCEED 100'. HOG RING FABRIC TO RODS AT MAX. 3'-0" O.C.
5. STRETCHER BAR: 3/16" X 3/4" WITH 1/8" X 1" TENSION BANDS AT 1'-0" O.C.
6. TIE WIRES: 11 GAUGE AT 1'-6" O.C. AT TOP, BOTTOM AND LINE POSTS.
7. LINE POST EYE TOPS & RAIL ENDS SHALL BE MALLEABLE IRON OR PRESSED STEEL. SECURE RAIL ENDS TO POSTS WITH 1/8" X 1" BRACE BANDS.
8. POST CAPS SHALL BE MALLEABLE IRON OR PRESSED STEEL.

NOTES:

1. CHAIN LINK FENCE MATERIALS SHALL CONFORM TO THE CHAIN LINK FENCE AND MISCELLANEOUS METAL CONSTRUCTION SECTION OF THE NOTICE TO CONTRACTORS.
2. CONCRETE FOOTINGS SHALL BE ALLOWED TO SET FOR SEVEN (7) DAYS PRIOR TO INSTALLATION OF FABRIC OR HARDWARE.
3. THE BOTTOM OF THE FABRIC SHALL BE POSITIONED ONE INCH ABOVE FINISH GRADE.
4. 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.
5. 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
NOT TO SCALE

GATE MATERIALS:

1. POSTS: 3-1/2" O.D. WITH 12" DIA. X 4'-0" DEEP FOOTINGS.
2. GATE FRAMES: TOP, BOTTOM AND SIDE MEMBERS: 2-3/8" O.D., MID RAIL 1-5/8" O.D. MITER GATE FRAME CORNERS, WELD AND GRIND SMOOTH.
3. FABRIC: 9-GAUGE, 2" SQUARE MESH, KNUCKLE TOP AND BOTTOM, PLACE ON EXTERIOR SIDE OF GATES.
4. HINGES: INDUSTRIAL BULLDOG HINGE (180¼ SWING), 2 HINGES PER GATE, ONE AT TOP AND BOTTOM.
5. TRUSS ROD: 3/8" DIA. THREADED AT BOTH ENDS AND TENSIONED WITH TWO INDUSTRIAL TRUSS TIGHTENERS SECURED TO GATE FRAME.
6. STRETCHER BAR: 3/16" X 3/4" WITH 1/8" X 1" TENSION BANDS AT 1'-0" O.C.
7. TIE WIRES: 11-GAUGE AT 1'-6" O.C AT GATE FRAME TOP, BOTTOM AND MID RAILS.
8. POST CAPS SHALL BE MALLEABLE IRON OR PRESSED STEEL.
9. LOCKABLE CAST ALUMINUM FORK LATCH
10. PROVIDE A 1" CROWN AT TOP OF ALL POST FOOTINGS.

NOTES:

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

VERSION 04/18/06 - RWF

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

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

DESIGN DATES (DESIGN STAGE ONLY)

TEMPLATE SHEET REVISION DATE: 08/20/14
REVISION DATE: 10/16/2013 2:54 PM FILE: N:\01119131\0\POTRERO-CANYON-PARK\PLANNING\CONSTRUCTION DOCUMENTS\AUTOCAD\13119370.CD.DWG

CITY OF LOS ANGELES — DEPARTMENT OF PUBLIC WORKS — BUREAU OF ENGINEERING

ENGINEERING — CITY OF LOS ANGELES

NO. | REVISIONS: | DATE | BY

BUILDING NO.

INDEX NO. D-35381

REGISTERED LANDSCAPE ARCHITECT — GARY LEE MOORE — No. 2450 — STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP — CITY ENGINEER

DATE | LIC. NO.

ARCHITECT: ARCHITECTURAL DIVISION
DESIGNED BY: MS/AC
DRAWN BY: KS/EK
CHECKED BY: MS/NS
APPROVED BY: MAHMOOD KARMIZADEH - A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL
HORIZONTAL CONTROL

SHEET TITLE: LANDSCAPE CONSTRUCTION DETAILS

PROJECT: POTRERO CANYON PARK

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

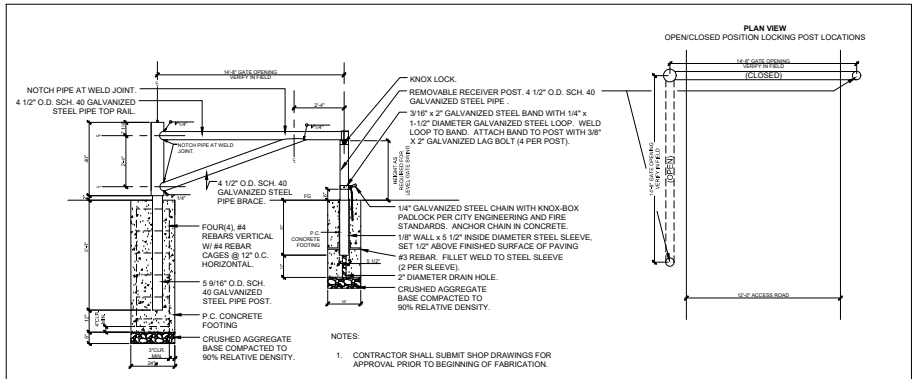
WORK ORDER NO. E1908635

PLAN FILE NO. 720

DRAWING NO. L407

SHEET 35 OF 95 SHEETS

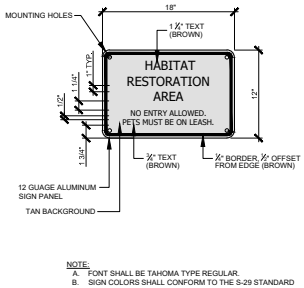
PLOTTED: 18-JUL-2016



NOTES:

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

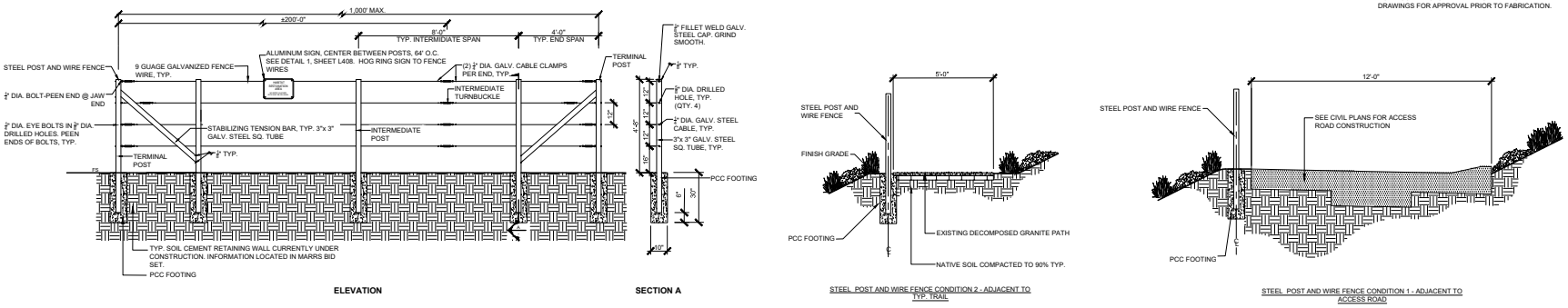
2 — 3/8"=1'-0" — RHINO VEHICULAR GATE — RRM DETAIL



NOTE:
A. FONT SHALL BE TAHOMA TYPE REGULAR.
B. SIGN COLORS SHALL CONFORM TO THE S-29 STANDARD ON THE 2004 CALIFORNIA UNIFORM SIGN CHART.
C. CONTRACTOR SHALL SUBMIT SHOP DRAWING FOR APPROVAL PRIOR TO FABRICATION, TYP.

1 — 1 1/2"=1'-0" — HABITAT RESTORATION SIGN — RRM DETAIL

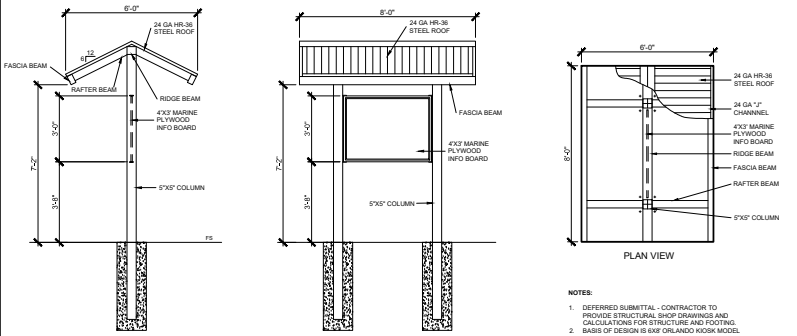
NOTE: CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR APPROVAL PRIOR TO FABRICATION.



STEEL POST AND WIRE FENCE CONDITION 2 - ADJACENT TO TYP. TRAIL

STEEL POST AND WIRE FENCE CONDITION 1 - ADJACENT TO ACCESS ROAD

3 — 3/8"=1'-0" — STEEL POST AND WIRE FENCE — RRM DETAIL



SIDE ELEVATION

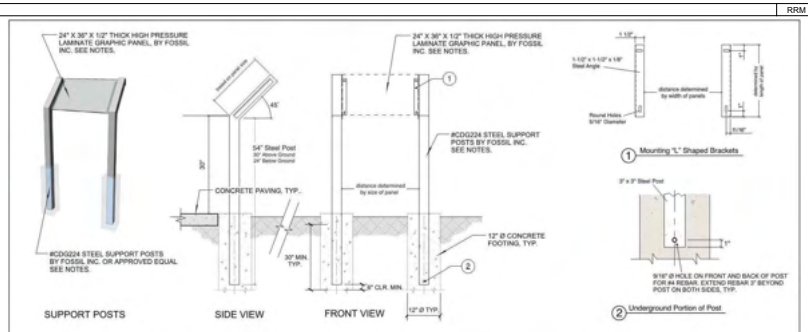
FRONT ELEVATION

PLAN VIEW

NOTES:

1. DEFERRED SUBMITTAL - CONTRACTOR TO PROVIDE STRUCTURAL SHOP DRAWINGS AND CALCULATIONS FOR STRUCTURE AND FOOTING.
2. BASIS OF DESIGN IS 6X8' ORLANDO KIOSK MODEL BY CLASSIC RECREATION SYSTEMS INC.

5 — 3/8"=1'-0" — INFORMATION KIOSK — RRM DETAIL



INTERPRETIVE PANEL NOTES:

1.) CONTRACTOR SHALL PROVIDE AND INSTALL (8) INDIVIDUAL INTERPRETIVE SIGN PANELS AND SUPPORTS PER PLAN AND DETAIL. FINAL LOCATION OF EACH PANEL SHALL BE APPROVED BY ENGINEER PRIOR TO INSTALLATION.

2.) 24" X 36" X 1/2" THICK SIGN PANELS MUST BE MANUFACTURED AS DIGITAL HIGH PRESSURE LAMINATE (DHPL) COMPOSED OF SEVERAL LAYERS OF PHENOLIC RESIN IMPREGNATED KRAFT FILLER PAPER, A DIGITALLY IMAGED EMBEDDED GRAPHIC, A LAYER OF MELAMINE RESIN, AND SURFACED BY A LAYER OF TRANSLUCENT EXTERIOR UV / GRAFFITI-RESISTANT OVERLAY PROTECTION AS SUPPLIED BY FOSSIL INDUSTRIES, INC., (631) 245-4172, WWW.FOSSILGRAPHICS.COM, OR APPROVED EQUAL.

3.) THE ENTIRE PANEL, INCLUDING EXTERIOR OVERLAY, MUST BE BONDED UNDER HEAT AND EXTREME PRESSURE TO FORM A COMPOSITE PANEL. THE FINISH MUST BE SMOOTHLY TEXTURED WITH REFLECTIVITY OF 30 + OR (5) GLOSS UNITS. THE DHPL GRAPHICS MUST BE WARRANTED FOR A MINIMUM OF 10 YEARS AGAINST FADING, DE-LAMINATION AND WEATHER DETERIORATION.

4.) EMBEDDED GRAPHICS MUST BE MADE USING A 12-COLOR HIGH-DEFINITION PRINT AT 200 DPI.

5.) GRAPHIC IMAGE FILES AS NECESSARY FOR PRODUCTION OF EACH INDIVIDUAL SIGN PANEL SPECIFIED WILL BE SUPPLIED BY THE PROJECT MANAGER AT THE TIME OF FABRICATION.

6.) SIGN PANEL MANUFACTURER SHALL PROVIDE A PRODUCTION QUALITY SAMPLE FROM A SUPPLIED GRAPHIC FILE FOR APPROVAL PRIOR TO FINAL FABRICATION AND DELIVERY.

4 — N.T.S. — INTERPRETIVE SIGN PANEL

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

DESIGN DATES (DESIGN STAGE ONLY)

TEMPLATE SHEET REVISION DATE: 08/20/14
REVISION DATE: 10/16/2013 3:54 PM FILE: N:\0119131\0170\POTRERO-CANYON-PARK\PLANNING\CONSTRUCTION DOCUMENTS\AUTOCAD\131170-CD.DWG

CITY OF LOS ANGELES — DEPARTMENT OF PUBLIC WORKS — BUREAU OF ENGINEERING

GARY LEE MOORE, PE, ENV SP — CITY ENGINEER — DATE

ARCHITECTURAL DIVISION — LIC. NO.

ARCHITECT: DESIGNED BY: MS/AC — DRAWN BY: KS/EK — CHECKED BY: MS/KS — APPROVED BY: MAHMOOD FARRIDZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL — HORIZONTAL CONTROL

SHEET TITLE: LANDSCAPE CONSTRUCTION DETAILS

PROJECT: POTRERO CANYON PARK

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

ENGINEERING — CITY OF LOS ANGELES

NO. REVISIONS: — DATE — BY

BUILDING NO.

INDEX NO. D-35381

REGISTERED PROFESSIONAL ENGINEER — MAHMOOD FARRIDZADEH — No. C-35320 — STATE OF CALIFORNIA

WORK ORDER NO. E1908635

PLAN FILE NO. 720

DRAWING NO. L408

SHEET 36 OF SHEETS 95

OFFICIAL RECORD

George Wolfberg Park
at Potrero Canyon

Canyon History

1900 - 1920s – Potrero Canyon is surrounded by agricultural land and open fields.

1920s - 1950s – The Canyon is increasingly surrounded by residential and commercial development.

1950s - 1980s – Homes along the rim of the Canyon experience varying degrees of damage due to erosion and instability of the Canyon slopes. The City of L.A. purchases the Canyon land in 1964.

1980s - 2022 – After a lawsuit settlement, the City purchases multiple residential lots along the rim of the Canyon and develops a plan to stabilize the slopes and restore habitat in the Canyon. The park you see today is the result of those efforts.

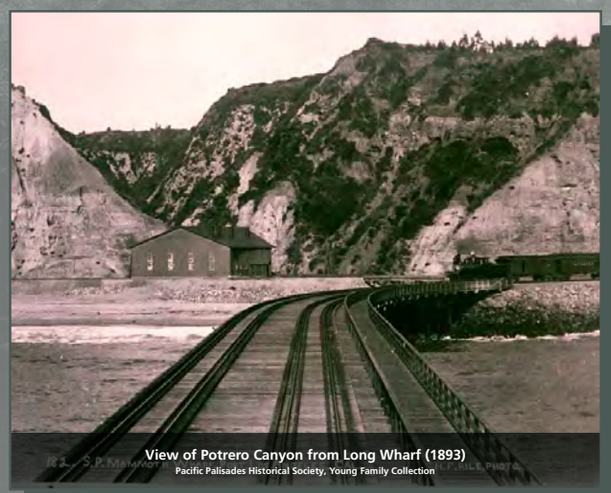
Historia del Cañón

1900 - 1920s – El Cañón del Potrero está rodeado de tierras agrícolas y campos abiertos.

1920s - 1950s – El Cañón está cada vez más rodeado por el desarrollo residencial y desarrollo comercial.

1950s - 1980s – Las casas alrededor del Cañón son dañadas debido a la erosión e inestabilidad de las laderas del Cañón. La ciudad de Los Ángeles compra los terrenos del Cañón en 1964.

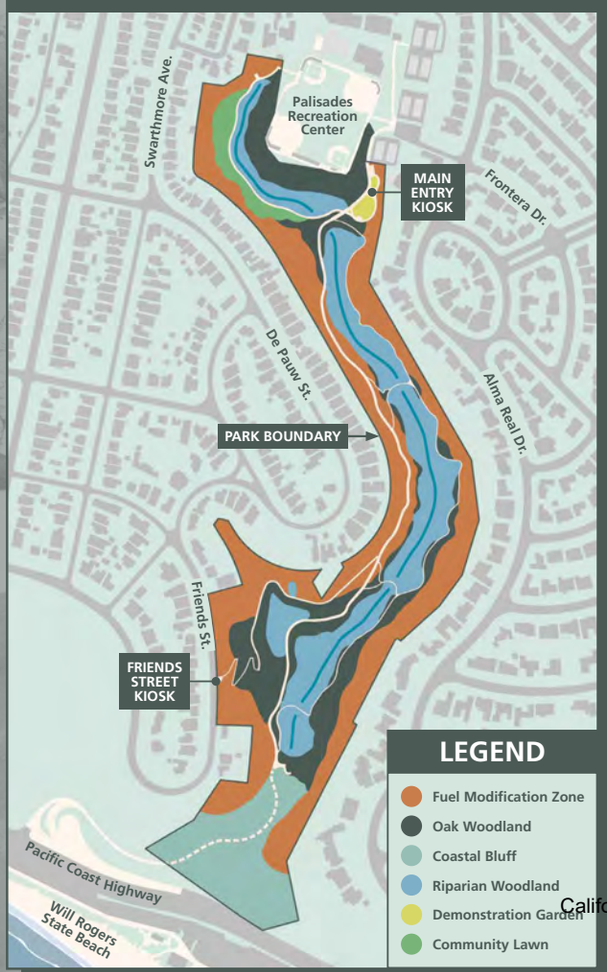
1980s - 2022 – Después de un acuerdo judicial, la Ciudad compra múltiples lotes residenciales alrededor del Cañón y desarrolla un plan para estabilizar las laderas y restaurar el hábitat del Cañón. El parque que se ve hoy es el resultado de esos esfuerzos.

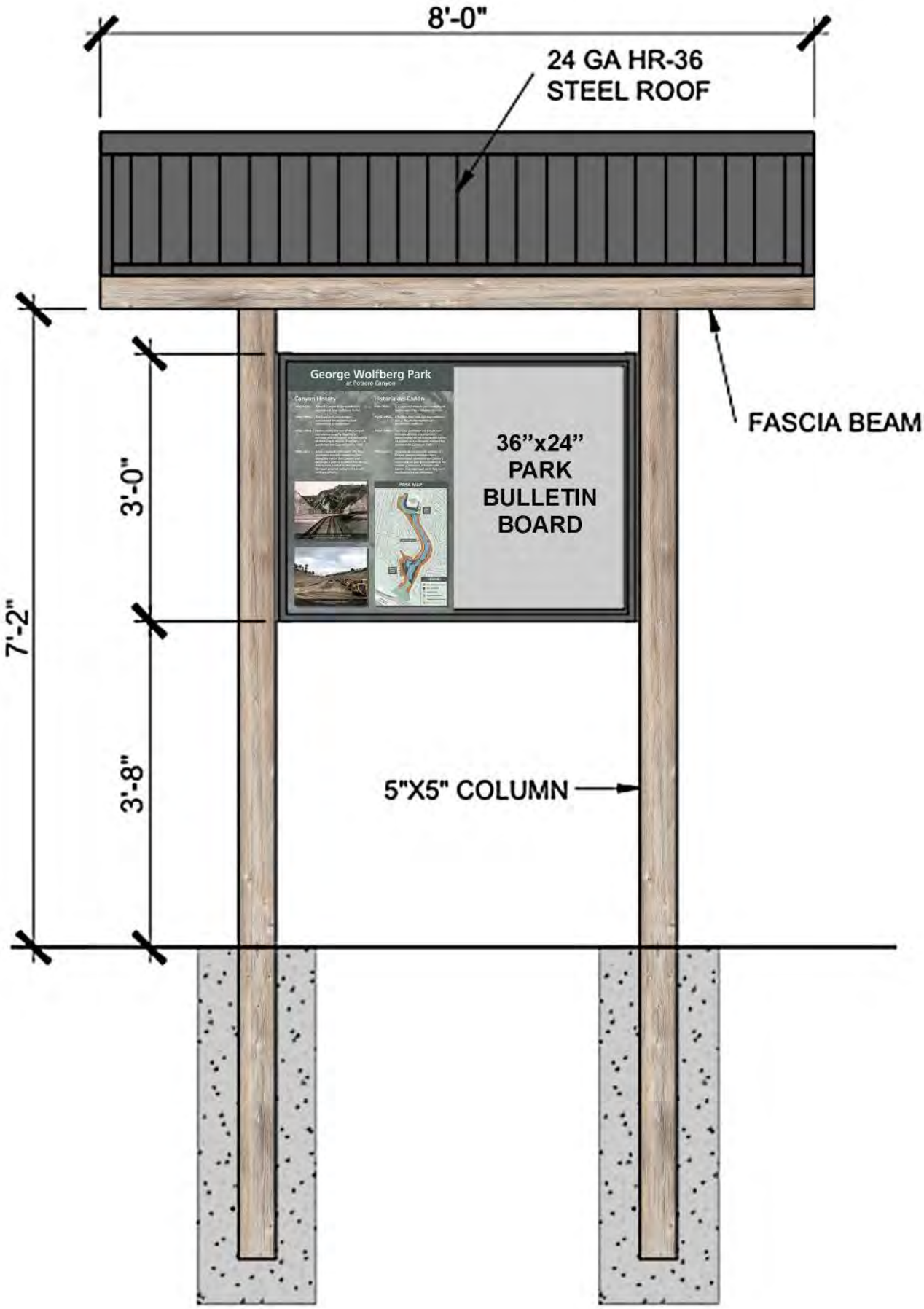


View of Potrero Canyon from Long Wharf (1893)
Pacific Palisades Historical Society, Young Family Collection

Potrero Canyon construction site (2021)
Photo by Richard Fisher

PARK MAP





FRONT ELEVATION

PROGRESS REPORT FOR THE CALIFORNIA COASTAL COMMISSION

POTRERO CANYON PARK

Prepared By:

Geotechnical Engineering Division
Bureau of Engineering
Department of Public Works
City of Los Angeles

Updated: May 22, 2022

Work Order E1908635

Introduction

This Progress Report has been prepared in response to Special Condition No. 25 of the California Coastal Commission (CCC), Amendment to Coastal Development Permit, dated October 17, 2014, Coastal Development Permit Amendment No. 5-91-286-A11. The following provides the special condition followed by the requested information.

CCC Condition – "Progress Report. *[Imposed under AB, amended by A 11]* Change Special Condition 25. Progress Report: The applicant shall agree in writing, prior to issuance of Amendment No. 11, for the review and approval by the Executive Director, to submit a biannual report detailing the progress of the Potrero Canyon Restoration Project and (1) an accounting of the expenditures to date, (2) projected expenditures of funds from the Potrero Canyon Trust Fund during the next six month period, (3) the remaining balance of the account, and (4) tasks yet to be undertaken and the projected costs of those tasks. The applicant shall submit the first report no later than December 26, 2014."

Response to No. (1) – An Accounting of the Expenditures to date

Bureau of Engineering (BOE) staff costs to date	$ 931,076
Unit 1 Construction and Monitoring	$3,176,670
Unit 2 & 3 Design Costs From the Private Consultant	$1,422,513
De Pauw Street Landslide Repair, Grading and Monitoring	$ 668,208
Permit and Outside Agencies Fees	$ 186,826
Purchase of a Survey Robotic Station	$ 45,343
Environmental Monitoring and Water Board Fees	$ 47,057
Design Costs From the Private Consultant for Grading and Landscaping phase	$1,210,968
Potrero Canyon Park - Grading Phase	$17,544,572
Potrero Canyon Park – Landscaping Phase (in progress)	$10,051,063
Total funds expended from the Potrero Canyon Trust Fund	**$35,284,296**

Response to No. (2) – Projected expenditures of funds from the Potrero Canyon Trust Fund during for the next six month period.

The work to be completed in the next 6 months includes finalizing construction for the landscaping phase of the project. Projected costs associated with these activities are as shown below.

Potrero Canyon Park – Landscaping Phase (remainder in progress)	$1,619,318

Response to No. (3) – The remaining balance of the account

Total revenue to date	$41,488,258
Existing Expenditures	($35,284,296)
Projected Expenditures	($ 1,619,318)
Anticipated Expenditures	($ 3,758,000)
Current Balance	**$ 826,644**

Response to No. (4) - Tasks yet to be undertaken and the projected costs of those tasks

Upcoming tasks for the project include a 5-year maintenance phase and a lateral pedestrian trail.

5-Year Maintenance – This estimate includes work to be done by a contractor for maintenance for the first five years of plant establishment	$2,500,000
Lateral Pedestrian Trail – This estimate includes work to be done by a contractor to grade and construct a lateral trail to Temescal Canyon Road	$1,258,000
Total Anticipated Expenditures	**$3,758,000**

CCC Condition – "Consistent with the conditions of the permit, as amended, the report shall include separate line items for each of the following components of the riparian habit and park, including but not limited to: establishment of riparian habitat area, establishment of park open space, landscaping materials, trails materials, benches, signs, the fire/maintenance road, and the lateral access trail to Pacific Coast Highway."

Response – The costs for the specific line items listed above, with the exception of the lateral access trail to Temescal Canyon (Item 8 below), have been included in the Grading and/or Landscaping phase of the project. A breakdown by specific line items follows;

#	Item	Cost
1	Establishment of the riparian area - includes costs associated with the lift station and associated piping, the check dams and the liner	$ 4,377,899.00
2	Establishment of the park open space, includes costs associated with site clearing, grading, surface drainage and temporary irrigation	$ 9,847,611.00
3	Landscaping materials - includes costs associated with the plants and plant establishment	$ 1,034,648.00
4	Trails materials - the surface of the trails is currently proposed to consist of compacted decomposed granite	$ 468,700.00
5	Benches - There are currently 6 benches	$ 44,422.00
6	Signs - There are 2 kiosks at park entrances and 8 interpretive signs along the paths	$ 87,509.00
7	The fire/maintenance road - The maintenance road will extend from the Palisades Recreation Center to Pacific Coast Highway. The surface of the road will be soil/cement colored to look natural	$ 295,523.00
8	The lateral access Trail to Pacific Coast Highway - the trail along Pacific Coast Highway to connect the trails in the canyon to Temescal Canyon and the beach are not currently included in the project.	$ 1,258,000.00

CCC Condition - Funding for the lateral access trail between the mouth of Potrero Canyon and the intersection of Pacific Coast Highway and Temescal Canyon Road shall not be diverted from funds currently allocated to the riparian habitat and the park within Potrero Canyon. The lateral access trail shall be funded using the surplus funds currently detailed in the project budget, and may also receive funds currently budgeted for unanticipated conditions, contingency funds, and other funds which are unspent upon completion of sale of the seven residential lots, final grading of Potrero Canyon, and completion of the riparian habitat and park.

Response – Currently funding has only been allocated for Potrero Canyon Park. The funding for access to the beach will be from remaining funds after the work in the canyon is completed and/or other sources.

The City is in on-going discussions with Caltrans regarding an agreement to provide access over Caltrans property that is needed for construction of the lateral trail. Coastal Commission staff has indicated they may be able to facilitate these discussions and the City would welcome such efforts.

CCC Condition - If, upon review of any biannual progress report, the Executive Director determines that the remaining balance of the fund is insufficient as to complete the development consistent with the conditions of the permit, as amended, the applicant shall apply for an amendment to the permit within 60 days of Executive Director's notification unless the Executive Director determines that no amendment is legally necessary.

Response – Acknowledged.

CCC Condition - Additionally, the applicant shall immediately report any change to the project schedule to the Executive Director and the applicant shall apply for an amendment to the permit within 60 days of Executive Director's notification unless the Executive Director determines that no amendment is legally necessary.

Response – The City will report changes in schedule.

CCC Condition - Irrigation to be temporary.

Response – The irrigation system planned is temporary and will be abandoned once the vegetation establishment period is complete. The irrigation structures are below the surface since this encourages plant roots to extend into the soil to provide a firm base for plantings. Also, the City has found that above-ground irrigations structures are susceptible to damage from weather exposure and vandalism.

CCC Condition – Bridge Across PCH

Response – The Potrero Canyon Pedestrian Bridge is currently in Pre-Design. State funding in the amount of $11 million dollars was specified in 2021. Construction of the bridge is anticipated to begin in early 2025 and to be completed in the Summer of 2026.

Closing

If you have any questions regarding this report, please contact Kristen Ly at 213-847-0492.

Kristen Ly

Kristen Ly, P.E.
BOE Project Manager

Patrick Schmidt, P.E, GE
BOE Division Manager

Exhibit 5 – Landscaping Plans (2016)

Plant Communities

Wet Riparian Zone

Representative Species

Populus fremontii ssp. *fremontii*
Fremont's Cottonwood

Salix lasiogata
Red Willow

Baccharis salicifolia ssp. *salicifolia*
Mule Fat

Juncus patens
California Gray Rush

Mimulus guttatus
Seep Monkey Flower

Dry Riparian Zone

Representative Species

Platanus racemosa
California Sycamore

Quercus agrifolia
Coast Live Oak

Baccharis salicifolia ssp. *salicifolia*
Mule Fat

Muhlenbergia rigens
Deer Grass

Rosa californica
California Wild Rose

Riparian Adjacent Woodlands/ Coastal Scrub Transition Zone

Representative Species

Juglans californica
Southern California Black Walnut

Quercus agrifolia
Coast Live Oak

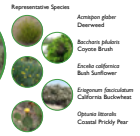
Baccharis pilularis ssp. *consanguinea*
Coyote Brush

Ceanothus spinosus
Greenbark Ceanothus

Elymus condensatus
Giant Wild Rye

Coastal Bluff Scrub Zone

Representative Species



Acmispon glaber
Deerweed

Baccharis pilularis
Coyote Brush

Encelia californica
Bush Sunflower

Eriogonum fasciculatum
California Buckwheat

Optunia littoralis
Coastal Prickly Pear

Fuel Modification Zone*

Representative Species

Juglans californica
Southern California Black Walnut

Quercus agrifolia
Coast Live Oak

Heteromeles arbutifolia
Toyon

Malacothamnus fasciculatus
Bush Mallow

Optunia littoralis
Coastal Prickly Pear

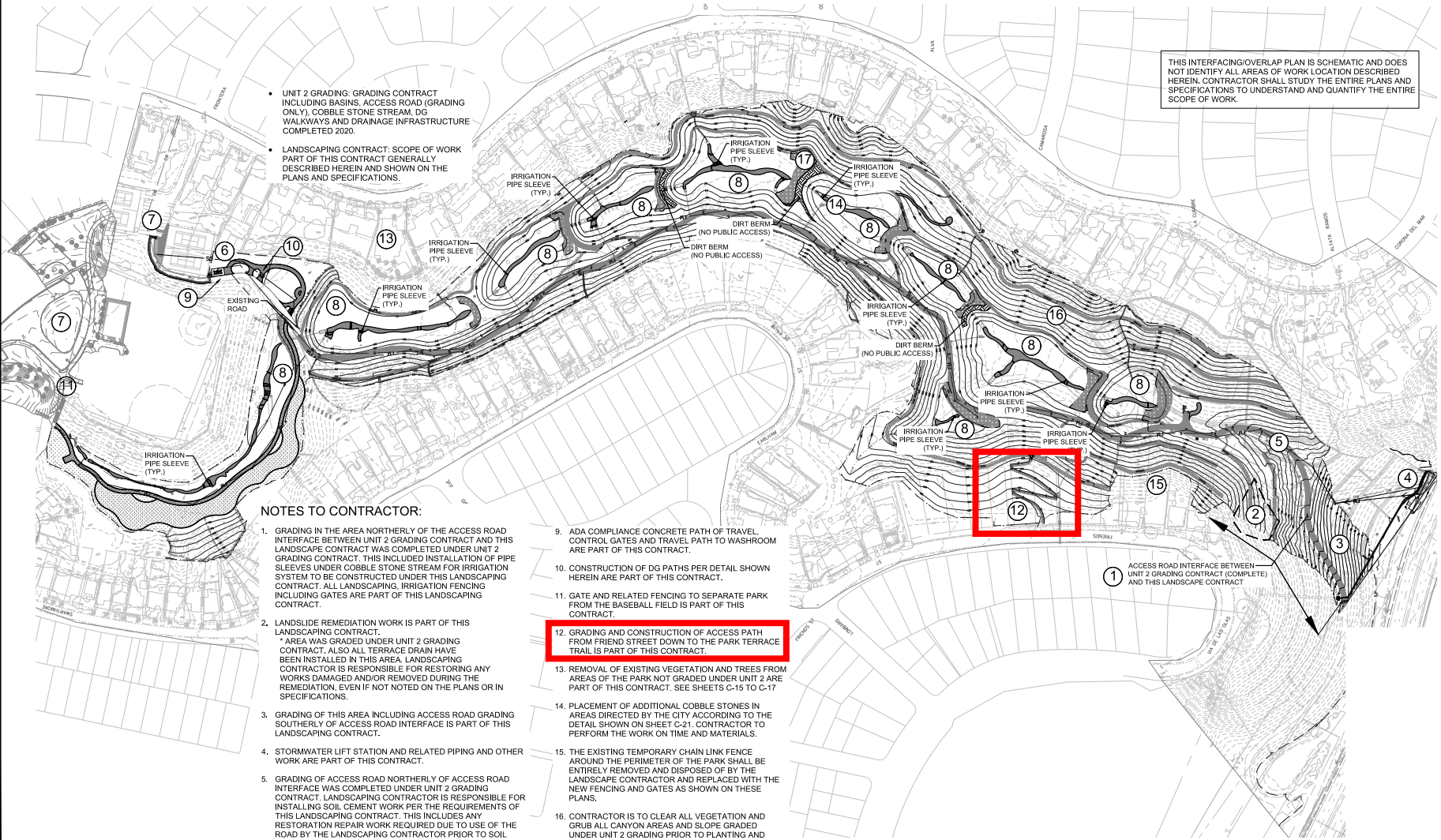
*The Fuel Modification Zone is composed mostly of coastal scrub plant material. Planting will be "islands" of small plants/tree groupings widely spaced with mulched ground between as spread upon with the Los Angeles County Fire Department. Open areas will be hydroseeded for erosion control and maintenance. These fuel modification zone planting considerations will help prevent the creation of fire fuel ladders in areas adjacent to homes along the canyon.

Exhibit 5 – Landscaping Plans (2020)

UNIT 2 GRADING AND LANDSCAPING CONTRACT INTERFACE / OVERLAP

- 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.

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.



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

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)

Sheet Version 2.0 2-2015

BUREAU OF ENGINEERING

NO. REVISIONS: DATE BY:

WORK ACCEPTED SERIAL NO.

B - PERMITS

INDEX NO. D-35381

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

VERTICAL CONTROL: HORIZONTAL CONTROL: SEE PLAN SHEETS FOR CONTROL LINE REFERENCE

SHEET TITLE: INTERFACE / OVERLAP PLAN

PROJECT: POTRERO CANYON PARK UNIT 2 GRADING

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

DESIGN GROUP

ENGINEER: RAZ CHAUDHARY, PE

DESIGNED BY: HERNAN IGNACIO

DRAWN BY: HERNAN IGNACIO

CHECKED BY: CHARLES C. FEIST, PE

APPROVED BY: RAZ CHAUDHARY, PE

DRAWING NO. E1908635

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. INQUIRY 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 KEYWAY OR EXCAVATION BOTTOM AND LEAVE 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 (GED) 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 SPECIFICATIONS. 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 RECOMMENDATIONS 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 C-2 & C-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 SCHEDULE
    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 (QSD).
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 91.1701.5)
20. GEOTECHNICAL ENGINEERING DIVISION (G.E.D.) OF THE CITY OF LOS ANGELES (213) 847-0472 OR (213) 847-0492 IS REQUIRED ON SITE TO APPROVE ALL SHORING WORK INCLUDING SLOT-CUTS. (L.A.B.C. SECTION 91.1701.5)
21. UNLESS SHOWN AS "EXISTING", ALL WORK INDICATED SHALL BE PROVIDED AS PART OF THIS CONTRACT.
22. SUBDRAINS TO BE PLACED UNDER OBSERVATION, DIRECTION, AND APPROVAL OF THE GEOTECHNICAL ENGINEER OR ENGINEERING GEOLOGIST.
23. LADBS' GEOLOGY AND SOILS REPORT APPROVAL LETTER CONDITIONS AND INCLUDED AS SHEETS G-2 & G-3 REFERENCED REPORTS ARE PART OF THIS PLAN.
24. THIS PROJECT IS SUBJECT TO A CALIFORNIA COASTAL COMMISSION PERMIT NO. 5-91-286-A6 DATED MARCH 27, 2008.
25. A 12-INCH HIGH BERM IS REQUIRED AT TOP OF THE GRADED SLOPE. (L.A.B.C. SECTION 91.7013.3)
26. CONTRACTOR SHALL SUBMIT SITE SPECIFIC PLANS FOR PROPOSED LAYOUT OF TEMPORARY EROSION CONTROL, TO BE INSTALLED BETWEEN OCTOBER 1 AND APRIL 15. OBTAIN GRADING INSPECTOR'S AND DEPARTMENT OF PUBLIC WORKS APPROVAL OF PROPOSED PROCEDURES. (L.A.B.C. SECTION 91.7007.1)
27. THE CONTRACTOR SHALL MAINTAIN ROADWAY ACCESS TO NEIGHBORHOOD PRIVATE PROPERTIES DURING THE NORMAL WORKING HOURS FROM 7:00AM TO 4:00PM AND SHALL REMOVE ALL WORKING EQUIPMENT FROM ROADWAY ACCESS BETWEEN HOURS OF 4:00PM TO 7:00AM OF THE FOLLOWING MORNING.
28. AT LEAST 10 DAYS BEFORE START OF CONSTRUCTION, THE CONTRACTOR SHALL GIVE THE NOTICE TO THE OCCUPANTS OF ADJACENT PROPERTIES OF THE PROPOSED CONSTRUCTION DATE PER SECTION 7-9 OF THE SSPWC.
29. THE CONTRACTOR SHALL NOTIFY HOMEOWNERS, TENANTS AND PUBLIC EMERGENCY SERVICES (FIRE DEPARTMENT, RECREATION AND PARKS, AND POLICE DEPARTMENT) AFFECTED BY THIS WORK AT LEAST ONE WEEK PRIOR TO MOBILIZATION.
30. THE STAMPED SET OF PLANS APPROVED BY BUILDING AND SAFETY SHALL BE ON THE JOB SITE AT ALL TIMES.
31. CUT AND FILL SLOPES SHALL BE NO STEEPER THAN 2:1.
32. FILL SLOPES SHALL BE OVER BUILT AT LEAST 2 TO 3 FEET AND TRIMMED BACK TO EXPOSE A FIRM COMPACTED SURFACE ON THE SLOPE FACE.
33. NOT LESS THAN ONE FIELD DENSITY TEST WILL BE MADE FOR EACH 2 FEET VERTICAL LIFT OF FILL NOR LESS THAN ONE SUCH TEST FOR EACH 500 CUBIC YARDS OF MATERIAL PLACED. IN ADDITION, AT LEAST TEN PERCENT OF THE TESTS SHALL BE SAND CONE TESTS, AND THESE SAND CONE TESTS SHALL BE TAKEN AT THE SAME LOCATION AS ONE OF THE NUCLEAR GAUGE" TESTS. PERFORM SLOPE FACE TEST ON ANY NEW FILL SLOPE WORK.
34. NO FILL TO BE PLACED UNTIL STRIPPING OF VEGETATION, REMOVAL OF UNSUITABLE SOILS AND INSTALLATION OF SUBDRAINS (IF ANY) HAS BEEN INSPECTED AND APPROVED BY THE GEO SOILS ENGINEER.
35. NO ROCK OR SIMILAR MATERIAL GREATER THAN 6" IN DIAMETER SHALL BE PLACED IN THE FILL UNLESS RECOMMENDATIONS FOR SUCH PLACEMENT HAVE BEEN SUBMITTED BY THE SOIL ENGINEER IN ADVANCE AND APPROVED BY THE BUILDING OFFICIAL.
36. COMPACTION REPORTS ARE REQUIRED FOR ALL FILL. THE COMPACTION REPORT MUST INCLUDE THE TEST RESULTS FOR COMPACTION WITHIN 12" OF THE SLOPE SURFACE. A MINIMUM OF ONE (1) TEST PER 1,000 SQ FEET OF SLOPE SURFACE SHALL BE TAKEN. THE VERTICAL INTERVAL BETWEEN TEST LOCATIONS SHALL NOT EXCEED 10 FEET.
37. ALL FILL THAT WAS PLACED WITHOUT INSPECTION OR APPROVAL IS TO BE REMOVED, INSPECTED AND RECOMPACTED.
38. ALL NON-CONFORMING SLOPES MUST BE MADE TO CONFORM PRIOR TO FINAL INSPECTION.
39. NO WORK WHATSOEVER SHALL BE STARTED IN OR ABOUT THE GRADING PROJECT WITHOUT FIRST NOTIFYING THE DEPARTMENT OF BUILDING AND SAFETY, AND INSPECTOR OF PUBLIC WORKS
40. ALL DEBRIS AND FOREIGN MATERIAL SHALL BE REMOVED FROM THE SITE.
41. THE CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTING DUST CONTROL MEASURES. DUST SHALL BE CONTROLLED BY WATERING TO THE SATISFACTION OF THE INSPECTOR".
42. ALL GRADING SHALL BE IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS. THE APPLICABLE PORTION OF THE LOS ANGELES CITY BUILDING CODE AND THE REQUIREMENTS OF THE LOCAL, STATES AND FEDERAL AGENCIES.
43. THE GEOTECHNICAL ENGINEERING DIVISION (G.E.D.) SHALL BE NOTIFIED TO INSPECT THE SITE BEFORE CLEARING IS TO COMMENCE.
44. DURING CONSTRUCTION, THE DRAINAGE OF THE SITE MUST BE MAINTAINED. WHEN UTILITY TRENCHES ARE DUG, CARE MUST BE TAKEN TO PREVENT THE SOIL FROM TRENCHES BEING PLACED IN SUCH A MANNER AS TO BLOCK THE DRAINAGE AND CAUSE RAIN-WATER TO BE IMPOUNDED. IF A TRENCH IS TO BE PLACED ON A SLOPE, THE TRENCH SHOULD NOT SERVE AS A DRAIN FOR THE TRIBUTARY AREA ABOVE.
45. GRADING WILL NOT RESULT IN TRENCHES (VERTICAL EXCAVATIONS) 5 FEET OR DEEPER WHICH COULD JEOPARDIZE THE WORKERS. IF VERTICAL EXCAVATIONS EXCEED 5 FEET, SHORING WILL BE REQUIRED. THERE WILL BE NO UNSHORED VERTICAL EXCAVATIONS 5 FEET OR MORE IN DEPTH INTO WHICH PERSON IS REQUIRED TO DESCEND.
46. GEOTECHNICAL ENGINEERING OR THEIR REPRESENTATIVE IS TO OBSERVE AND APPROVE THE KEYWAY OR EXCAVATION BOTTOM AND LEAVE 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. FILL MAY NOT BE PLACED WITHOUT APPROVAL OF THE GRADING INSPECTOR UNLESS SHORED PER OSHA STANDARDS. (SEE NOTE 51)
47. SANITARY FACILITIES ARE REQUIRED FOR WORKERS AND INSPECTORS.
48. APPROVAL FROM THE INSPECTOR OF PUBLIC WORKS SHALL BE OBTAINED FOR ANY EXCAVATION THAT WOULD REMOVE THE LATERAL SUPPORT OF THE PUBLIC WAY.
49. CONCENTRATED DRAINAGE SHALL BE CONDUCTED IN AN APPROVED DEVICE AND DISPOSED OF IN A MANNER APPROVED BY LADBS.
50. CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS FOR EXCAVATIONS CONTAINED IN THE STATE CONSTRUCTION SAFETY ORDERS ENFORCED BY THE STATE DIVISION OF INDUSTRIAL SAFETY.
51. PRIOR TO EXCAVATION, AN INITIAL INSPECTION SHALL BE CALLED BY THE DEPARTMENT OF BUILDING AND SAFETY AND THE GEOTECHNICAL ENGINEERING GROUP AT WHICH TIME SEQUENCE OF SHORING, PROTECTION FENCES, DUST, AND TRAFFIC CONTROL WILL BE SCHEDULED.
52. A CERTIFIED DEPUTY GRADING INSPECTOR SHALL BE ONSITE TO OBSERVE TEMPORARY SHORING WORK, AND/OR SLOT-CUTS.

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 SPLICED.
    b. BARS MAY BE CONTINUOUS IN LIEU OF SPLICING.
    c. BARS SHOWN SPLICED 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 SWEPT 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 MAYBE 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. 07-18-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.

BUREAU OF ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS	DATE	BY

WORK ACCEPTED

SERIAL NO.

B - PERMITS

INDEX NO. D-35381

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

VERTICAL CONTROL:
HORIZONTAL CONTROL: SEE PLAN SHEETS FOR CONTROL LINE REFERENCE

SHEET TITLE: NOTES AND ABBREVIATIONS
PROJECT: POTRERO CANYON PARK UNIT 3 GRADING
ADDRESS: 15101, 15126 AND 15145 PACIFIC COAST HIGHWAY PACIFIC PALISADES, CA. 90272

DRAWING NO. E1908635

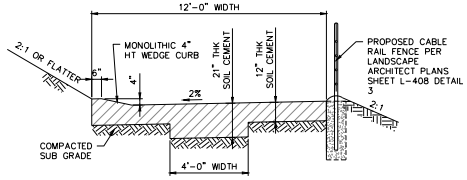
C-2

SHEET 7 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)

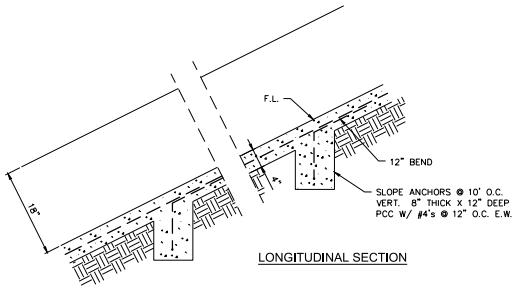
Sheet Version 6.0 2-2015



NOTE:
CONTRACTOR TO CONSTRUCT CONSTRUCTION JOINT EVERY 20'.

A - SOIL CEMENT ACCESS ROAD TYPICAL DETAIL

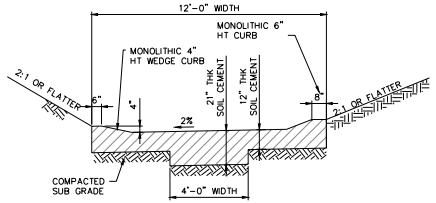
STA: 10+00 - STA: 13+00
AND
STA: 15+70 - 42+80
NTS
FOR STA: SEE SHEET C-20



LONGITUDINAL SECTION

SPECIAL CONCRETE REQUIREMENTS (TYP.):

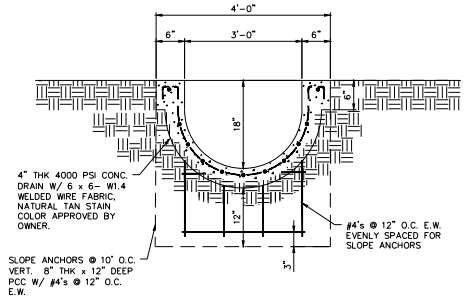
1. CONTRACTOR SHALL USE LOCAL, NATURALLY OCCURRING SAND AND STONE FOR THE CONCRETE AGGREGATE. SUBMIT 1/4 CF. AGGREGATE SAMPLE TO ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTING MOCK-UPS.
2. ADD INTEGRAL "NATURAL TAN" COLOR TO THE CONCRETE TO MATCH EXISTING GEOLOGY AND SOILS (USING SERIES 1 COLOR, 1 LB.).
3. 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.
4. CONTRACTOR TO PREPARE A SUBMITTAL WITH ONE MOCK-UP SAMPLE 4' SECTIONS OF CONCRETE DRAIN FOR REVIEW & APPROVAL BY CITY ENGINEER PRIOR TO CONSTRUCTION.



NOTE:
CONTRACTOR TO CONSTRUCT CONSTRUCTION JOINT EVERY 20'.

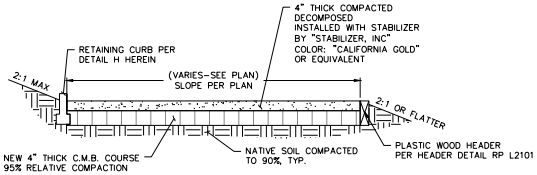
B - SOIL CEMENT ACCESS ROAD TYPICAL DETAIL

STA: 13+00 TO STA: 15+70
NTS
FOR STA: SEE SHEET C-20



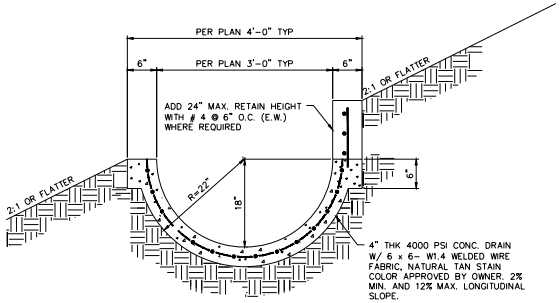
C - TYPICAL DOWN DRAIN

SCALE: NTS



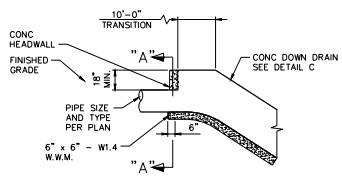
G - DECOMPOSED GRANITE PATH

NTS

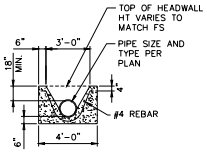


D - TYPICAL TERRACE DRAIN

NTS



LONGITUDE SECTION



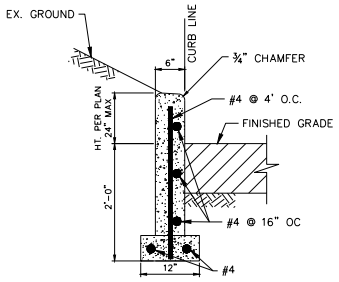
SECTION " A-A "

NOTE:

1. PIPE TO DOWN DRAIN TRANSITION SHALL NOT BE USED WITHIN PUBLIC ROAD RIGHT-OF-WAY

E - PIPE TO DOWN DRAIN TRANSITION DETAIL

NTS



H - RETAINING CURB

NTS

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)

Sheet Version 0.0 2-2015

CITY OF LOS ANGELES — DEPARTMENT OF PUBLIC WORKS — BUREAU OF ENGINEERING

ENGINEERING — CITY OF LOS ANGELES

NO. REVISIONS | DATE | BY | SERIAL NO. | WORK ACCEPTED

B - PERMITS

INDEX NO. D-35381

REGISTERED PROFESSIONAL ENGINEER — Raz Chaudhary — Exp. 6-30-16 — STATE OF CALIFORNIA

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: DETAILS

PROJECT: POTRERO CANYON PARK UNIT 3 GRADING

ADDRESS: 15101, 15126 AND 15145 PACIFIC COAST HIGHWAY PACIFIC PALISADES, CA. 90272

DRAWING NO. E1908635

C-3

SHEET 8 OF 95 SHEETS

SEE L401 FOR SYMBOL AND PRODUCT LEGEND

MATCHLINE - SEE SHEET L403

MATCHLINE - SEE SHEET L405

EXISTING FLOW LINE

BASIN 6

RIPARIAN CREEK BED (1 / L409)

(EXTRA WORK NEEDED IN THIS BASIN TO ADJUST EXISTING LINEAR COBBLE)

4' MAINTENANCE GATE (1 / L406)

EXISTING IMPERMEABLE SHELF LINER, NOT INCLUDED IN CONTRACT.

STEEL POST & WIRE FENCE (3 / L408)

EXISTING IMPERMEABLE BASIN LINER, NOT INCLUDED IN CONTRACT.

4' MAINTENANCE GATE (1 / L406)

EXISTING DECOMPOSED GRANITE PATH, NOT INCLUDED IN CONTRACT.

4' CHAIN LINK FENCE (2 / L407)

ACCESS ROAD - SEE CIVIL SHEET C3

4' MAINTENANCE GATE (1 / L406)

LANDSCAPE BOULDER, TYP. (8 / L406)

BASIN 8

RIPARIAN CREEK BED (1 / L409)

STEEL POST & WIRE FENCE (3 / L408)

CHECK DAM, TYP. (1 / L410)

RIPARIAN CREEK BED (1 / L409)

BASIN 9

(EXTRA WORK NEEDED IN THIS BASIN TO ADJUST EXISTING LINEAR COBBLE)

LANDSCAPE BOULDER, TYP. (8 / L406)

BENCHES IN DECOMPOSED GRANITE (4 / L406)

TRASH RECEPTACLE ON CONCRETE FOOTING (3 / L411)

INTERPRETIVE SIGN PANEL (2) (FLORA-COASTAL SAGE SCRUB / LANDSLIDE HISTORY) (4 / L408)

RHINO VEHICULAR GATE (2 / L408)

4' MAINTENANCE GATE (1 / L406)

STEEL HILL SIGN (7 / L406)

STEEL POST & WIRE FENCE (3 / L408)

NO COASTAL ACCESS SIGN (5 / L406)

5' WIDE CHAIN LINK MAINTENANCE GATE, TYP. (1 / L407)

4' CHAIN LINK FENCE (2 / L407)

6' CHAIN LINK FENCE (5 / L407)

FENCE HEIGHT TRANSITION, 4' ADJACENT TO RESIDENTIAL PROPERTIES, 6' ADJACENT TO FRIENDS STREET

BASIN 7

CHECK DAM (1 / L410)

INTERPRETIVE SIGN PANEL (4 / L408) (FLORA-RIPARIAN ADJACENT WOODLAND)

4' MAINTENANCE GATE (1 / L406)

STEEL POST & WIRE FENCE (3 / L408)

BENCH IN DECOMPOSED GRANITE (4 / L406)

RETAINING CURB AND DECOMPOSED GRANITE PATH PER CIVIL SHEET C-3

INFORMATION KIOSK (5 / L408)

LIMIT OF WORK

7' TALL X 4' WIDE CHAINLINK SINGLE LEAF GATE WITH TRILOGY LOCK AND PANIC HARDWARE (4 / L407)

FENCE HEIGHT TRANSITION, 4' ADJACENT TO RESIDENTIAL PROPERTIES, 6' ADJACENT TO FRIENDS STREET

6' CHAIN LINK FENCE (5 / L407)

4' CHAIN LINK FENCE (2 / L407)

STEEL POST & WIRE FENCE (3 / L408)

EARLHAM

FRIENDS

5' POWER TRANSMISSION LINE EASEMENT TO THE CITY OF LOS ANGELES

EASEMENT

LIMIT OF WORK

15205 De Pauw St.

15201 De Pauw St.

15202 W Earlham St.

15206 W Earlham St.

15210 W Earlham St.

15216 W Earlham St.

15222 W Earlham St.

15224 W Earlham St.

15247 W Friends St.

15243 W Friends St.

15237 W Friends St.

15233 W Friends St.

15229 W Friends St.

15225 W Friends St.

15221 W Friends St.

15215 W Friends St.

15211 W Friends St.

15207 W Friends St.

15205 W Friends St.

15281 W Friends St.

15255 W Friends St.

15259 W Friends St.

15267 W Friends St.

15275 W Friends St.

15279 W Friends St.

APN 441-1020-021

APN 441-1020-022

APN 441-1020-020

APN 441-1020-020

APN 441-1020-003

APN 441-2027-018

APN 441-2069-903

301 N. Alma Real

KEY MAP

NORTH

0 40 80 120 160 feet

1" = 40'

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: 08/2014

REVISION DATE: 10/16/2013 3:51 PM FILE: N:\0119131\0137\POTRERO-CANYON-PARK\PLANNING\CONSTRUCTION DOCUMENTS\AUTOCAD\13137-CP.DWG

DESIGN DATE (DESIGN STAGE ONLY)

CITY OF LOS ANGELES — DEPARTMENT OF PUBLIC WORKS — BUREAU OF ENGINEERING

ENGINEERING — CITY OF LOS ANGELES

NO. REVISIONS | DATE | BY

BUILDING NO.

INDEX NO. D-35381

REGISTERED LANDSCAPE ARCHITECT — GARY LEE MOORE — No. 2320 — STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP — CITY ENGINEER

ARCHITECTURAL DIVISION — DATE

ARCHITECT:

DESIGNED BY: MSIAC

DRAWN BY: KSIEK

CHECKED BY: MSHS

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

LJD. NO.

VERTICAL CONTROL

HORIZONTAL CONTROL

SHEET TITLE: LANDSCAPE CONSTRUCTION PLAN

PROJECT: POTRERO CANYON PARK

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

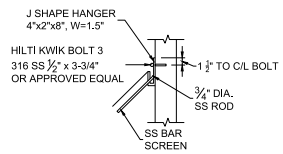
WORK ORDER NO. E1908635

PLAN FILE NO. 720

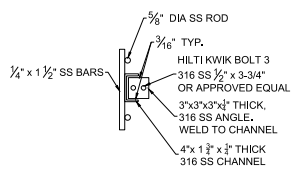
DRAWING NO. L404

SHEET 32 OF SHEETS 95

ASTER-18-0000-1



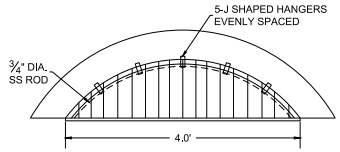
DETAIL A
NTS



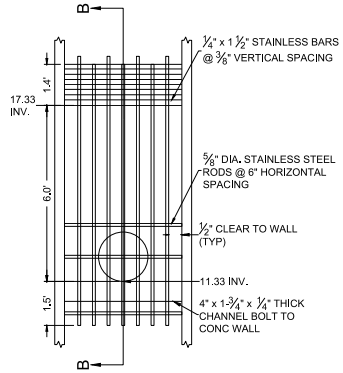
DETAIL B
NTS

NOTES

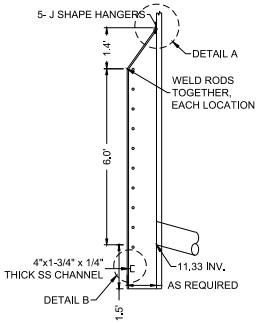
1. STAINLESS STEEL BARS AND SHAPES SHALL CONFORM TO ASTM A276, TYPE 316L.
2. WELDING RODS SHALL BE ELECTRODE TYPE 309.
3. ALL WELDING SHALL CONFORM TO THE REQUIREMENTS OF THE STRUCTURAL WELDING CODE AWS D1.1 (LAST EDITION).
4. WELDS SHALL BE UNIFORM IN SIZE AND APPEARANCE AND FREE OF PINHOLES, POROSITY AND OTHER DEFECTS.
5. WELSDING 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.



PLAN
NTS



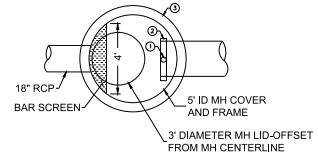
3 BAR SCREN ELEVATION DETAIL
NTS



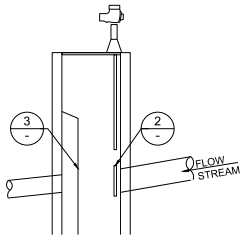
SECTION B-B
NTS

NOTES

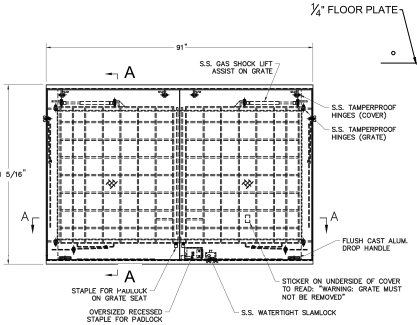
1. DRILL MAINTENANCE HOLE COVER AS REQUIRED TO PASS SLUICE GATE STEM
2. 30" x 30" SLUICE GATE BELOW / SEE DETAIL 2
3. MAINTENANCE HOLE WALL THICKNESS AS REQUIRED FOR TRAFFIC LOADING & H20-LEVEL 4

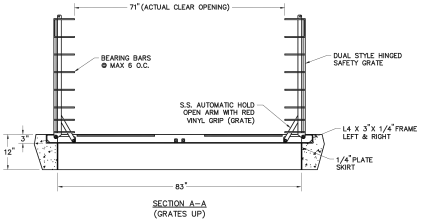


TRASH WELL / BAR SCREEN PLAN



TRASH WELL

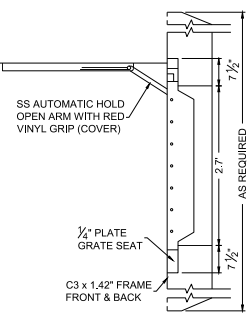




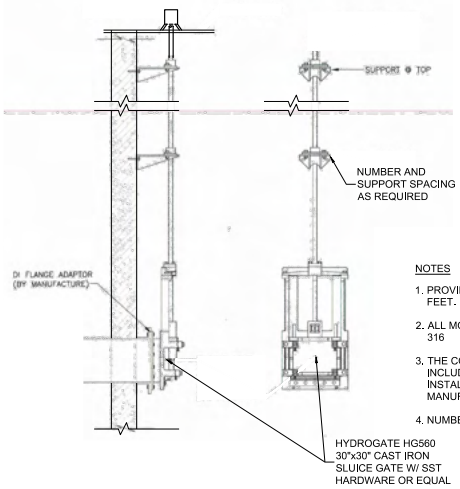
1 LIFT STATION HATCHWAY DETAIL
C-6
SCALE: NTS

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 BUTUMINOUS COATING



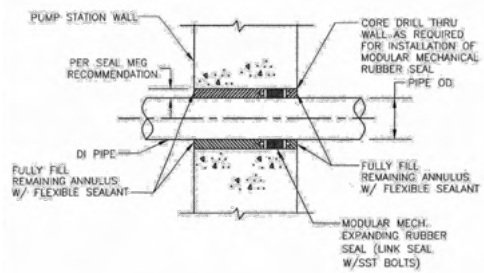
SECTION A-A
(COVERS UP, GRATES DOWN)



2 SLUICE GATE DETAIL
C-6
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.



4 TYPICAL PIPE PENETRATION
-

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)

Sheet Version 2.0 2-2015

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING

ENGINEERING CITY OF LOS ANGELES

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

VERTICAL CONTROL:
HORIZONTAL CONTROL: SEE PLAN SHEETS FOR CONTROL LINE REFERENCE

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

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

SPECIFICATIONS:

1. ALL WORK DETAILS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION (LATEST EDITION) REFERRED TO HEREON AS "STD PLAN" AND STANDARD SPECIFICATION.

STRUCTURAL NOTES:

1. ALL CONCRETE SHALL BE CLASS 560-C-3250, TYPE II LOW ALKALI PORTLAND CEMENT, UNLESS OTHERWISE NOTED.
2. ALL PRECAST CONCRETE SHALL BE MINIMUM 5,000 PSI.
3. THE LOCATION OF ALL CONSTRUCTION JOINTS AND OTHER TYPES OF JOINTS, OTHER THAN SPECIFIED ON THE PLANS, SHALL BE APPROVED BY THE ENGINEER PRIOR TO PLACING CONCRETE.
4. ALL EXPOSED EDGES AND CORNERS SHALL BE CHAMFERED 3/4 INCH.
5. ALL VOIDS BETWEEN SOIL AND PROPOSED STRUCTURE SHALL BE FILLED WITH SLURRY BACKFILL, CLASS 100-E-100.
6. CONSTRUCTION JOINTS: ROUGH TO 1/4 INCH AMPLITUDE MINIMUM.
7. ALL REINFORCEMENT BAR SHALL CONFORM TO THE REQUIREMENTS OF ASTM A615, INCLUDING SUPPLEMENT S1, GRADE 60.
8. THE FOLLOWING BAR COVERS SHALL BE PROVIDED UNLESS OTHERWISE NOTED:
   A. CONCRETE DEPOSITED AGAINST EARTH.....3"
   B. ALL OTHERS (UNLESS NOTED).....2"
   C. REINFORCEMENT SHALL TERMINATE 2" FROM CONCRETE SURFACE, UNLESS OTHERWISE NOTED.
9. ALL FOUNDATIONS SHALL BE POURED AGAINST UNDISTURBED SOIL STRUCTURAL BACKFILL OR EMBEDDED INTO COMPETENT BEDROCK.
10. ALL SUMP BASINS AND PLUMBING FIXTURES SHALL BE LISTED BY RECOGNIZED LISTING AGENCIES.
11. WET WELL SHALL BE SUPPORTED ON A STRUCTURAL MAT FOUNDATION EMBEDDED INTO COMPETENT BEDROCK OR AS FIELD REQUIRED BY INSPECTOR

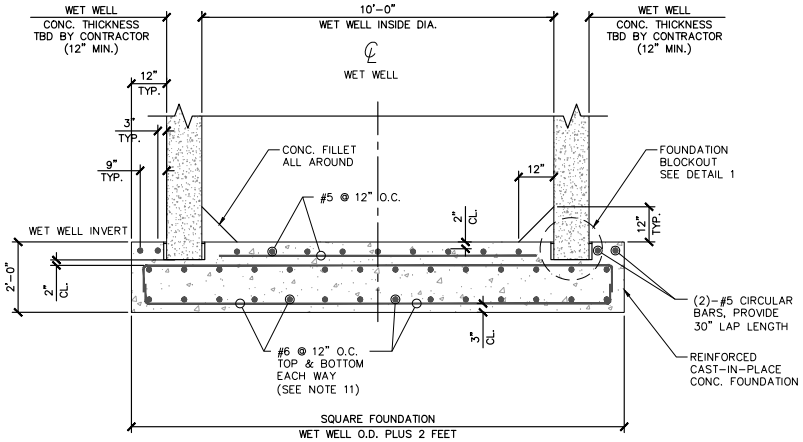
PRE-CAST STRUCTURAL DESIGN NOTE:

CONTRACTOR SHALL PROVIDE DETAILED DRAWINGS AND CALCULATIONS OF PRE-CAST STRUCTURES FOR THE REVIEW AND APPROVAL OF THE ENGINEER PRIOR TO PROCEEDING WITH FABRICATION. THE DRAWINGS AND CALCULATIONS SHALL BE STAMPED BY A CIVIL ENGINEER LICENSED IN CALIFORNIA.

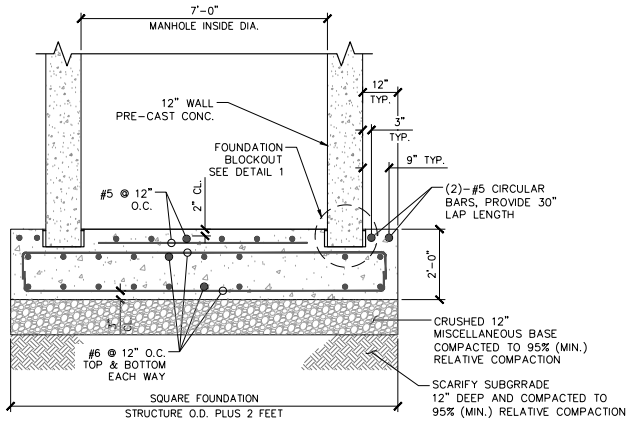
DESIGN DATA:

AASHTO, 2014 EDITION, WITH REVISIONS BY CAL TRANS AND AS MODIFIED BY STRUCTURAL AND GEOTECHNICAL ENGINEERING DIVISION STANDARDS.

APPLIED LOADS	
LIVE LOAD	HS20
EQUIVALENT FLUID EARTH	55 PCF PLUS 2 FEET SURCHARGE
ULTIMATE STRESS DESIGN	
REINFORCING STEEL	FY = 60,000 PSI
CONCRETE	f'c = 3,250 PSI
ALLOWABLE STRESS DESIGN	
STAINLESS STEEL	FY = 30,000 PSI
ALLOWABLE LOADS	
SOIL BEARING PRESSURE	3,000 PSF

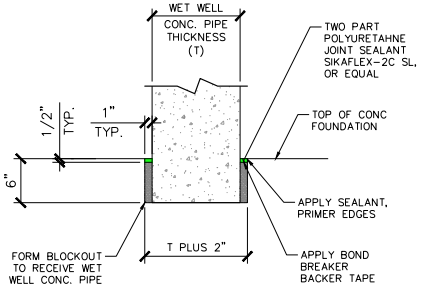


WET WELL FOUNDATION SECTION (1 / C-6)
NTS



DIVERSION MANHOLE FOUNDATION DETAIL (2 / C-6)
NTS

PIPE BEDDING-FLEXIBLE JOINTS DETAIL (2 / —)
NTS



FOUNDATION BLOCKOUT DETAIL (1 / —)
NTS

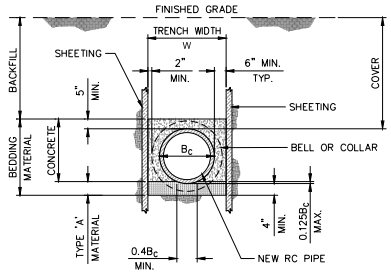
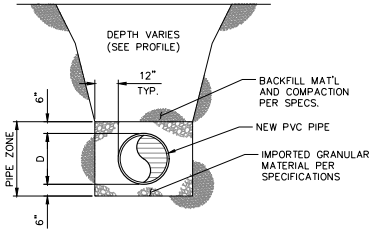


TABLE A			
PIPE DIA.	B_c	W	MIN. COVER
12"	16"	48"	12'
24"	30"	62"	10'

SEE CITY OF LOS ANGELES STANDARD PLAN S-251-1 FOR NOTES & MATERIALS.

TYPICAL TRENCH DETAIL FOR RC PIPE (3 / —)
NTS



TYPICAL TRENCH DETAIL FOR PVC PIPE (4 / —)
NTS

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REVISION DATES (DESIGN STAGE ONLY)

Sheet Version 2.0 2-2015

CITY OF LOS ANGELES — DEPARTMENT OF PUBLIC WORKS — BUREAU OF ENGINEERING

ENGINEERING — CITY OF LOS ANGELES

NO. REVISIONS | DATE BY | SERIAL NO. | WORK ACCEPTED

B - PERMITS

INDEX NO. D-35381

DESIGN GROUP: CHARLES C. FEIST, PE
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:
HORIZONTAL CONTROL: SEE PLAN SHEETS FOR CONTROL LINE REFERENCE

SHEET TITLE: WET WELL FOUNDATION SECTION
PROJECT: POTRERO CANYON PARK UNIT 3 GRADING
ADDRESS: 15101, 15126 AND 15145 PACIFIC COAST HIGHWAY PACIFIC PALISADES, CA. 90272

DRAWING NO. E1908635

S-01

SHEET 27 OF 95 SHEET

LANDSCAPE CONSTRUCTION NOTES

GENERAL
The General Conditions and General Requirements, the latest edition and supplements of the Standard Specifications for Public Works Construction, hereinafter referred to as (SSPWC) adopted by the Board of Public Works and the City of Los Angeles including the City of Los Angeles Department of Public Works SSPWC additions and amendments (Brown Book) shall be made a part of these plans.

The notes included on this sheet and in the landscape and irrigation specifications apply only to work on sheets L401-L719 and shall supercede all other conflicting specifications included in the project manual and SSPWC.

Website: http://eng.lacity.org/techdocs/stdplans/s-600/BB2006.pdf

Where conflicts occur between the General Conditions and General Requirements and the Standard Specifications for Public Works Construction, the General Conditions and General Requirements shall take precedence. Where conflicts occur between these Landscape Construction Notes and the SSPWC, these LANDSCAPE CONSTRUCTION NOTES shall take precedence.

Precedence of Contract Documents shall be in accordance with the General Conditions.

Subsections included within these LANDSCAPE CONSTRUCTION NOTES modify or add to the corresponding subsection (by number) of the SSPWC, latest edition with current yearly supplements; where options for materials and/or methods appear in the SSPWC, the option listed hereon shall be used.

PLANS AND SPECIFICATIONS
The General Contractor shall be responsible for issuing a complete set of plans and specifications to all Sub-Contractors.

√ **Indicates approvals or submittals, including items to be turned over at the pre- final. All approvals and submittals shall be transmitted to the Project Manager.**

√√ **Indicates required field inspections with the Bureau of Contract Administration (BCA) Inspector and the Project Manager. Notify all party's three (3) days prior to the required inspection.**

√ **SCHEDULE OF WORK**
The Contractor shall submit a Schedule of Work for approval to the Project Manager prior to the commencement of work. The Project Manager, Contractor and Department Maintenance Personnel shall coordinate the Contractor's schedule of work with ongoing Department maintenance of the facility outside the work area and the Contractor's maintenance of the area within the work area, as defined in the maintenance portion of the Landscape Planting Section. The Contractor shall schedule all work in accordance with the General Requirements Article 18. The work area shall be as defined on the Title Sheet, or as indicated on the Plans by means of a contract limit line.

√√ **JOB START MEETING**
The Contractor shall schedule a Job Start Meeting with the Project Manager after receipt of the Notice To Proceed. This meeting shall include the following participants: the Project Manager, Bureau of Contract Administration (BCA) Inspector, Landscape Architect, and Region Maintenance personnel, prior to the commencement of meeting to review the content of the plans and discuss the coordination of the project with the Department's operations at the project site. The pre-construction meeting can be held at the same time as the Job Start Meeting at the Contractors discretion.

√√ **INSPECTIONS**
All work and materials are subject to inspection and approval by the Project Manager. Any work done without proper inspection will be subject to rejection. As indicated in Section 2-11 of the Standard Specifications for Public Works Construction.

The Contractor shall notify the Bureau of Contract Administration (BCA) Inspector and Project Manager three (3) days prior to inspection of the following for approval:

√√**1. ROUGH GRADING:** When forms have been set, to approve alignment. Offsets or vertical controls shall be verifiable in the field, or be provided in grade sheet form, and submitted to the Project Manager for approval prior to the inspection. Only applies to trees not included in existing contract grow materials provided by the City.

√√**2. TREE TAGGING:** Tagging of 24" box or larger trees at the grower with Recreation and Parks tags. This inspection will be for compliance with the caliper, height and spread requirements given on the plant legend and general health and appearance of plants.

√√**3. ON-SITE PLANT MATERIAL INSPECTION:** The inspection of all plant materials under 24" box size at the job site. This inspection will be for compliance with the caliper, height and spread requirements given on the plant legend and to confirm the general health and appearance of plants. The Contractor shall also stake all tree planting locations at this time for approval. Only applies to trees not included in existing contract grow materials provided by the City.

√√**4. IRRIGATION PRESSURE AND COVERAGE TESTS:** The pressure test shall take place under the direction of the BCA Inspector. Following the pressure test the entire irrigation system shall be tested for coverage under the direction of the Project Manager. The coverage test shall cycle through each station of the irrigation system from the automatic controller for all new or revised irrigation systems. Existing irrigation systems shall be tested prior to new construction. The BCA Inspector, Project Manager, Contractor and Recreation and Parks Regional maintenance staff shall be notified three (3) days before the scheduled test.

√√**5. FINISH GRADE REVIEW:** For all finish grades in planting areas following rolling and prior to turf or landscape planting.

√√**6. PRE-FINAL INSPECTION**
Pre-final inspection shall be in accordance with the General Conditions.

√√**7. CONTRACT FINAL INSPECTION**
Contract final inspection shall be in accordance with of the General Conditions.

√√**8. IN-PLANT INSPECTION:** Contractor shall be responsible for scheduling all in-plant inspections with the Bureau of Contract Administration plant inspection. In-plant inspection shall be required, but not limited to, the following items:

1. Galvanizing
2. Chain link fabric
3. Gates and frames
4. Asphalt concrete and base
5. Portland cement concrete & base

√ **MATERIALS SUBMITTAL**
The Contractor shall make required submittals in accordance with the General Requirements.

√ **SUBSTITUTIONS AND "OR EQUAL" SUBMITTAL**
The Contractor shall make substitution submittals in accordance with the General Requirements.

√ **RECORD DRAWINGS (AS-BUILTS) SUBMITTALS**
Record drawings shall be in accordance with the General Requirements.

SSPWC
2006 Edition of the Additions and Amendments to the SSPWC
website: http://eng.lacity.org/techdocs/stdplans/s-600/s61028.pdf

UNDERGROUND SUBSTRUCTURES
The construction plans provided to the Contractor will show existing on-site underground substructures to the extent of the Department's records. Service lines from other public utilities, including the Department of Water and Power shall be located by notifying
UNDERGROUND SERVICE ALERT at 1 - (800) 422-4133 prior to commencing any excavation.

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REVISION DATES (DESIGN STAGE ONLY)

RE VISION DATE: 9/14/2012 4:56 PM FILE N:\3511\1311187-POTRERO-CANYON-PARK\PLANNING\CONSTRUCTION DOCUMENTS\AUTOCAD\11187_SPECS.DWG

BUREAU OF ENGINEERING

DEPARTMENT OF PUBLIC WORKS

CITY OF LOS ANGELES

NO.	REVISIONS	DATE	BY

BUILDING NO.

INDEX NO. **D-35381**

BUREAU OF LANDSCAPE ARCHITECT
MICHAEL S. FERRARA NO. 2320
STATE OF CALIFORNIA

GARY LEE MOORE PE, ENV SP CITY ENGINEER DATE
ARCHITECTURAL DIVISION LIC. NO.
ARCHITECT:
DESIGNED BY: MS/AC
DRAWN BY: KS/EK
CHECKED BY: MS/KS
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: LANDSCAPE CONSTRUCTION NOTES

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. L001

SHEET 28 OF SHEETS 95

ASTER-BLUE

BUREAU OF ENGINEERING
APPROVED

IRRIGATION NOTES

1. 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 COUPLING TO EASILY SLIDE THROUGH SLEEVING MATERIAL. EXTEND ALL SLEEVES 18" BEYOND EDGE OF PAVING. SLEEVES SHALL BE PROVIDED FOR CONTROLLER WIRES ALONG MAINLINE, TYPICAL.

2. 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 Q.C. VALVES ARE TO BE LOCATED 12" FROM SIDEWALKS, CURBS, ASPHALT & CONCRETE SURFACES.

3. ALL EQUIPMENT REQUIRED BUT NOT SPECIFIED ON THE DRAWING, TO COMPLETE THE WORK, SHALL BE PROVIDED BY THE IRRIGATION CONTRACTOR.

4. INSTALL ALL EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND/OR SPECIFICATIONS. UNLESS INDICATED OTHERWISE IN DETAIL AND SPECIFICATIONS.

5. 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.

6. CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING IRRIGATION FOCUSED MEETING WITH CITY, LANDSCAPE ARCHITECT, AND CONTROLLER MANUFACTURER'S REPRESENTATIVE.

7. CONTRACTOR SHALL SCHEDULE AND COORDINATE MEETING FOR PROGRAMMING AND START UP OF CONTROLLER WITH MANUFACTURER'S REPRESENTATIVE ON SITE.

8. CONTRACTOR SHALL COORDINATE AND **PREPURCHASE CONTROLLER 5 YEAR COMMUNICATION SERVICE PLAN**, CONNECTIVITY AND STARTUP WITH MANUFACTURER AND OWNER.

9. 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.

10. 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.

11. CONTRACTOR SHALL ADJUST HEADS AS NEEDED TO MINIMIZE OVERSPRAY ONTO HARDSCAPE AREAS.

12. SPLICING OF 24 VOLT WIRES WILL NOT BE PERMITTED EXCEPT IN VALVE BOXES AND PULL 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.

13. CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF ALL MATERIAL APPEARING ON PLAN.

14. PROVIDE SHUTOFF VALVE FOR EACH VALVE MANIFOLD PER DETAIL.

15. ALL EXISTING UTILITIES, WATER LINES AND FIRE HYDRANTS SHALL REMAIN CONNECTED AND IN FULL CONTINUOUS OPERATION DURING AND FOLLOWING ALL CONTRACT WORK.

16. 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.

17. LANDSCAPE CONTRACTOR TO COORDINATE WITH GENERAL CONTRACTOR PRIOR TO DEMOLITION OR PROTECTION OF EXISTING MAINLINE AND CONTROLLER WIRE FOR FUTURE USE.

18. 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.

19. 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.

20. 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.

21. THE WEATHER SENSOR CARTRIDGE SHALL BE INSTALLED ON CONTROLLER PER MANUFACTURERS INSTRUCTIONS TO ALLOW FOR WEATHER SENSOR COMMUNICATION.

22. PROVIDE TRACER WIRE FOR ALL PVC MAINLINES, TYPICAL.

23. ALL TRENCHES SHALL BE COMPACTED WITH SECONDARY COMPACTED FILL.

24. SOIL SPOILS FROM PLANT POCKETS, OR ANY OTHER EXCAVATION, SHALL NOT BE LEFT ON OR TRACKED ON SLOPES.

25. CONTRACTOR TO ADJUST HEADS ADJACENT TO ROAD AND PATHS TO ACCOUNT FOR AND PREVENT OVERSPRAY ON DOWNHILL SLOPES.

26. 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. SEE DETAIL 2 ON L616.

27. 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.

28. CONTACT MANUFACTURER'S REPRESENTATIVE REGARDING CERTIFICATION OF EXTENDED 5 YEAR WARRANTY BASED ON INSTALLATION OF THEIR PRODUCTS.

IRRIGATION NOTES (2-WIRE)

1. 2-WIRE CONDUIT SHALL BE LOCATED ALONG ALL IRRIGATION MAINLINE, TYPICAL AND INSTALLED IN 1.25" MINIMUM SCH 80 PVC CONDUIT WITH PULL BOXES MAX 150 FEET APART PER BOE STANDARD DETAIL. INCREASE CONDUIT SIZE IN ANY LOCATIONS WITH MORE THAN ONE 2-WIRE PATH.

2. 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-B UL PVC DOUBLE-JACKETED TWO-CONDUCTOR SOLID CORE DESIGN FOR DIRECT BURIAL WITH INSULATION $\frac{64}{64}$" (.060") THICK, HIGH DENSITY, SUNLIGHT RESISTANT INCASED IN AN OUTER JACKET OF POLYETHYLENE OR PVC CONFORMING TO ICEA S-GL-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.

3. WIRING SIZES: STANDARD WIRE LENGTHS FOR STRAIGHT LINE INSTALLATION, I.E. 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.

WIRE SIZE (GAUGE)	#14	#12
TOTAL LOOP WIRE	10,000	15,000
LF DISTANCE TO FURTHEST VALVE	5,000	7,400

4. DECODER MODULES: CONTRACTOR TO SELECT AND INSTALL RAINBIRD DECODER MODULES ON STATION SIZE AND INSTALL PER MANUFACTURERS RECOMMENDATIONS. ATTACHING DECODERS BY TWISTING WIRES TO PROVIDE A SOLID MECHANICAL CONNECTION BEFORE SECURING THE ATTACHMENT BY ADDING THE WIRE NUT IN THE GEL-FILLED CAP (DBRY-6 OR APPROVED EQUAL WATERPROOF BY MANUFACTURER). CONTRACTOR SHALL ADHERE TO ALL LOCAL AND NATIONAL BUILDING AND ELECTRICAL CODES.

5. 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.

6. INSTALL (1) SINGLE STATION DECODER AT THE MASTER VALVE.

7. INSTALL (1) SD-210 SENSOR DECODER AT THE FLOW SENSOR.

8. CONTROLLER SHALL BE HARD WIRED WITH DATA, AND CONTAIN ALL MANUFACTURER'S RECOMMENDED ACCESSORIES AND COMPONENTS TO FACILITATE A COMPLETE TWO-WIRE SYSTEM.

9. CONTROLLER SHALL BE GROUNDED PER MANUFACTURER'S REQUIREMENTS.

10. MAX DISTANCE 20' BETWEEN STATION DECODER AND VALVE, OR 10' POC DECODER AND MASTER VALVE AND FLOW METER(S).

11. 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.

12. 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.

13. LSP-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.

14. 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.

15. 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.

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CITY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
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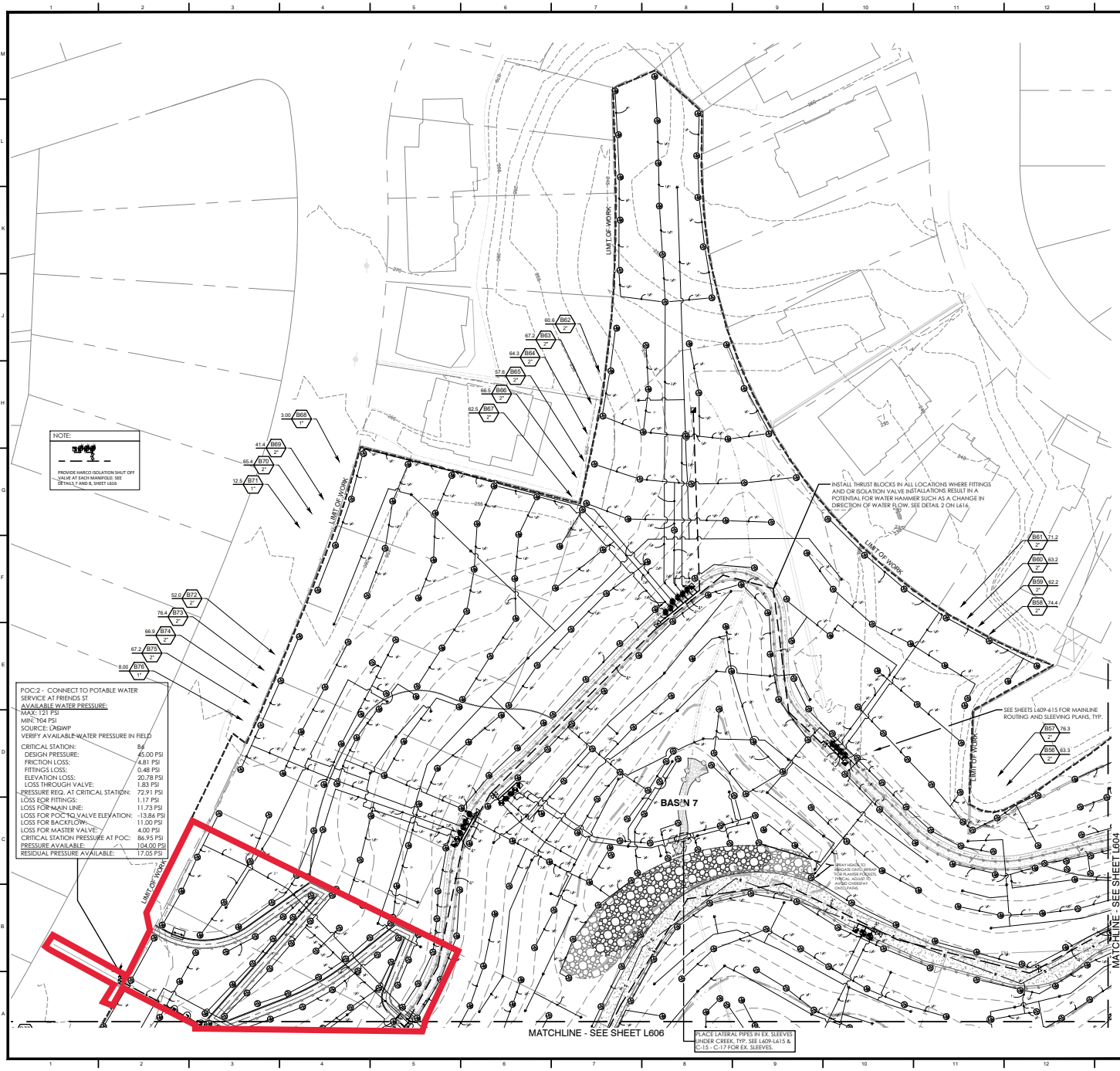
CITY OF LOS ANGELES
NO. REVISIONS: DATE BY:
INDEX NO. D-35381
BUILDING NO.
REGISTERED PROFESSIONAL ENGINEER GARY LEE MOORE No. C 35210 CIVIL STATE OF CALIFORNIA
GARY LEE MOORE, PE, ENV SP CITY ENGINEER
LIC. NO. DATE
ARCHITECTURAL DIVISION
ARCHITECT:
DESIGNED BY: MSJAC
DRAWN BY: KSIEK
CHECKED BY: MSHS
APPROVED BY: MAHMOOD KARMOZADEH, A.I.A., PRINCIPAL ARCHITECT
VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: IRRIGATION NOTES
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. L600
SHEET 40 OF SHEETS 95
ASTER-1 (R-2000)



IRRIGATION SCHEDULE POTRERO CANYON

SYMBOL	MANUFACTURER/MODEL	ARC	PSI	RADIUS	DETAIL
	RAIN BIRD R-VAN14 RD-12-SAM-P45	ADJ	40	14'	4L617
	RAIN BIRD R-VAN14 RD-12-SAM-P45	360	40	14'	4L617
	RAIN BIRD R-VAN18 RD-12-SAM-P45	ADJ	40	17'	4L617
	RAIN BIRD R-VAN18 RD-12-SAM-P45	360	40	17'	4L617
	RAIN BIRD R-VAN24 RD-12-SAM-P45	ADJ	40	22'	4L617
	RAIN BIRD R-VAN24 RD-12-SAM-P45	360	40	22'	4L617
	RAIN BIRD RWS-B-C	360	30	1'	2L617

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	PSI	RADIUS	DETAIL
**CAD AVAILABLE UPON REQUEST TO REFERENCE NOZZLE RADII	RAIN BIRD 5004-SAM-R-SS-PC,FC-MPR TURF ROTOR, 4.0" POP-UP, STAINLESS STEEL RISER, MATCHED PRECIPITATION ROTOR (MPR NOZZLE). ARC AND RADIUS AS PER SYMBOL, 25 FT=RED, 30 FT=GREEN, 35FT=BEIGE. WITH SEAL-A-MATIC CHECK VALVE. PRESSURE REGULATING.	45	25' 30' 35' SEE PLANS	7L617
**CAD AVAILABLE UPON REQUEST TO REFERENCE NOZZLE RADII	RAIN BIRD 5012-SAM-R,PC,FC-MPR SHRUB ROTOR, 12.0" POP-UP, PLASTIC RISER, MATCHED PRECIPITATION ROTOR (MPR NOZZLE). ARC AND RADIUS AS PER SYMBOL, 25 FT=RED, 30 FT=GREEN, 35FT=BEIGE. WITH SEAL-A-MATIC CHECK VALVE. PRESSURE REGULATING.	45	25' 30' 35 SEE PLANS	4L617

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	DETAIL
	RAIN BIRD PC-1032 SINGLE OUTLET, PC DRIP EMITTER SINGLE OUTLET, PRESSURE COMPENSATING DRIP EMITTERS WITH 10-32 THREADED INLET. INSTALL THREADED RISER ON FLEXIBLE 1/2" MARLEX TUBING. FLOW RATE: 50PH=LIGHT BROWN.	11L617

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	DETAIL
	RAIN BIRD EFB-CP-PRS-D 1", 1-1/2", 2" BRASS REMOTE CONTROL VALVE, THAT IS CONTAMINATION PROOF W/SELF-FLUSHING FILTER SCREEN. GLOBE CONFIGURATION. WITH PRESSURE REGULATOR MODULE.	5L617
	RAIN BIRD PEB-PRS-D 1", 1-1/2", 2" PLASTIC INDUSTRIAL VALVES. LOW FLOW OPERATING CAPABILITY. GLOBE CONFIGURATION. WITH PRESSURE REGULATOR MODULE.	5L617
	RAIN BIRD 44-LRC 1" BRASS QUICK-COUPLING VALVE, WITH CORROSION-RESISTANT STAINLESS STEEL SPRING, LOCKING THERMOPLASTIC RUBBER COVER, AND 2-PIECE BODY.	6L616
	NIBCO P-419-RW LINE SIZED CAST IRON GATE VALVE. RESILIENT WEDGE NON-RISING STEM FLOW CONTROL WITH IPS PUSH-ON ENDS.	3L616
WV	BUCKNER-SUPERIOR 3100 3" NORMALLY OPEN BRASS MASTER VALVE THAT PROVIDES DIRTY WATER PROTECTION.	1L617
WV	BUCKNER-SUPERIOR 3100 3" NORMALLY OPEN BRASS MASTER VALVE THAT PROVIDES DIRTY WATER PROTECTION.	1L617
	KBI SWING & SPRING CHECK VALVE LINE SIZE CHECK VALVE. INSTALL SPRING OR SWING CHECK VALVE IN ACCORDANCE IRRIGATION DETAIL AND MANUFACTURER'S INSTRUCTIONS.	10L616
BF	FEBCO LF860-NRS 4" 4" REDUCED PRESSURE BACKFLOW PREVENTER WITH STRONG BOX SBBC-75SS ENCLOSURE OR APPROVED EQUAL.	1L616
C	CONTROLLER A RAIN BIRD ESP-LXD WITH (2) ESPLXD-SM75 TWO-WIRE DECODER COMMERCIAL CONTROLLER. 200 STATIONS. INPUT POWER =20 VAC ± 10%, 60HZ. INSTALL WIRE VIA CONDUIT TO CONTROLLER. SEE SHEET C5 POWER SERVICE. CONTRACTOR TO CONNECT TO POWER AND INSTALL INSIDE TOP-OPEN PEDESTAL ENCLOSURE PER BOE DETAIL.	4L616
C	CONTROLLER B RAIN BIRD ESP-LXD WITH (1) ESPLXD-SM75 TWO-WIRE DECODER COMMERCIAL CONTROLLER. 125 STATIONS. INPUT POWER 120 VAC ± 10%, 60HZ. INSTALL WIRE VIA CONDUIT TO CONTROLLER. SEE SHEET C5 POWER SERVICE. CONTRACTOR TO CONNECT TO POWER AND INSTALL INSIDE TOP-OPEN PEDESTAL ENCLOSURE PER BOE DETAIL.	4L616
D	RAIN BIRD FD-SERIES DECODERS FIELD DECODER FOR TWO-WIRE SYSTEM. INSTALL IN VALVE BOX FOR VALVE. OPERATES UP TO SIX VALVE/SOLENOIDS. USE LINE SURGE PROTECTION AS PER MANUFACTURER'S DIRECTIONS. MINIMUM (1) PER VALVE BANK LOCATION.	
	RAIN BIRD IQ-NCC-4G CELLULAR CARTRIDGE IQ NCC 4G CARTRIDGE UPGRADES ESP-LX SERIES CONTROLLERS TO IQ SATELLITE CONTROLLERS. INCLUDES EMBEDDED GPRS/CELLULAR DATA MODEM WITH ANTENNA CONNECTOR. CONTRACTOR TO PREPURCHASE 5 YEAR COMMUNICATION GPRS/CELLULAR DATA SERVICE PLAN WITH STATIC IP ADDRESS FROM CELLULAR SERVICE PROVIDER.	
W	RAIN BIRD RSD-BEX RAIN SENSOR, WITH METAL LATCHING BRACKET, EXTENSION WIRE.	
	TRC #01035 COMMANDER TRANSMITTER FOR RAIN BIRD LX CONTROLLER. PROVIDE TWO (2) LANDSCAPE IRRIGATION AND MAINTENANCE REMOTES AND PROGRAM EACH TO OPERATES WITH BOTH CONTROLLERS.	
	TRC #01082 COMMANDER PERMANENT RECEIVER CARD FOR RAIN BIRD LX CONTROLLERS (6-PIN ONLY) LANDSCAPE IRRIGATION AND MAINTENANCE REMOTE RECEIVER. MAINTAINS RAIN BIRD SYSTEM OPERATION AND HEAD ALIGNMENT. OPERATES WITH CONTROLLERS. PROVIDE ONE AT EACH CONTROLLER.	
FS	RAIN BIRD FS-350-B 3" AND HIGHER FLOW SENSOR. BRASS MODEL. SENSOR SIZED FOR FLOW RATHER THAN PIPE SIZE. PROVIDE SD-210 DECODER AT EACH FLOW SENSOR.	6L617
	POINT OF CONNECTION 4"	
	POINT OF CONNECTION 4"	
	IRRIGATION LATERAL LINE: PVC SCHEDULE 40	9L616
	IRRIGATION MAINLINE: PVC CLASS 200 SDR 21 MAINLINE 3" AND LARGER SHALL BE PVC CLASS 200 GASKETED PIPE WITH RESTRAINED FITTINGS AS REQUIRED PER DETAIL. MAINLINE 2" AND SMALLER SHALL BE SCH. 40 PVC WITH GLUED FITTINGS. SEE DETAIL FOR MAINLINE SIZING IN VALVE MANIFOLDS. PIPE SLEEVE: PVC SCHEDULE 40 MINIMUM TWO TIMES PIPE DIAMETER. PIPE SIZE SHALL ALLOW FOR IRRIGATION PIPING AND THEIR RELATED COUPLINGS TO EASILY SLIDE THROUGH SLEEVING. EXTEND SLEEVES 18 INCHES BEYOND EDGES OF PAVING OR CONSTRUCTION. SEE SHEETS L609 TO L615 FOR LOCATIONS.	9L616
	HEAD LAYOUT IN MANY LOCATIONS FOLLOWS HYDROZONES SET FOR VARYING PLANT COMMUNITIES APPROX. EDGE OF COMMUNITY TRANSITION SHOWN FOR REFERENCE.	

Valve Callout: Valve Number, Valve Flow, Valve Size

BUREAU OF ENGINEERING

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER

ARCHITECTURAL LEVEL/SEAL DATE

ARCHITECT: LIC. NO.

DESIGNED BY: MSIAC

DRAWN BY: KSIEK

CHECKED BY: MSHS

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

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. L605

SHEET 45 OF SHEETS 95

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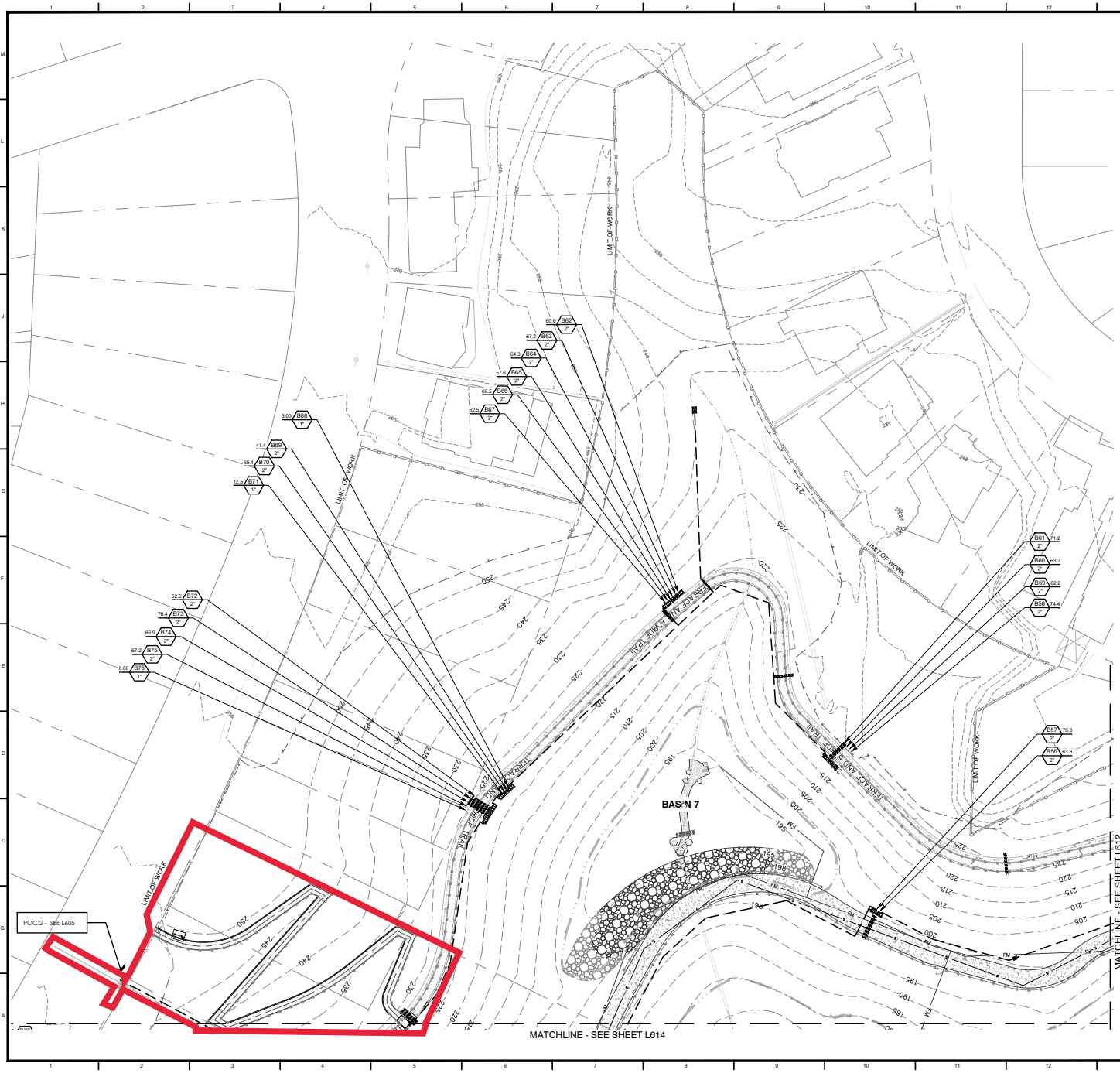
5-91-286-A13
Exhibit 5
Page 10 of 14



SYMBOL LEGEND AND NOTES

SYMBOL	DESCRIPTION
	IRRIGATION MAINLINE: SEE SHEETS L601-L607 FOR PRODUCT INFORMATION
EX. IR	EXISTING IRRIGATION MAINLINE
	MAINLINE PIPE SLEEVE: SEE SHEETS L601-L607 FOR PRODUCT INFORMATION
	EXISTING MAINLINE PIPE SLEEVE SEE SHEETS C-15 TO C-17 FOR LOCATIONS
	LATERAL PIPE SLEEVE: SEE SHEETS L601-L607 FOR PRODUCT INFORMATION
	EXISTING LATERAL PIPE SLEEVE SEE SHEETS C-15 TO C-17 FOR LOCATIONS
	APPROXIMATE VALVE BANK LOCATION. CONTRACTOR TO MARK OUT VALVE BOX LOCATIONS ON SITE FOR APPROVAL BY CITY PRIOR TO INSTALLATION OF PIPING AND AND EQUIPMENT.

Valve Callout
- Valve Number
- Valve Flow
- Valve Size

SEE SHEETS L600-L609 FOR COMPLETE IRRIGATION SYSTEM, PIPING, SIZING AND NOTES.

NOTES

1. 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.
2. SLEEVES AND PIPES TO BE LOCATED BETWEEN FENCE POSTS TO AVOID CONFLICTS WITH FOOTINGS.
3. SEE ALL OTHER IRRIGATION NOTES ON SHEET L600.

NOTE:
PROVIDE HARCO ISOLATION SHUT OFF VALVE AT EACH MANIFOLD. SEE DETAILS 7 AND 8, SHEET L616

KEY MAP

0 30 60 90 120 feet
1" = 30'

CITY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

GARY LEE MOORE, PE, ENV SP — CITY ENGINEER
ARCHITECTURAL DIVISION — DATE
ARCHITECT — LIC. NO.
DESIGNED BY: MSJAC
DRAWN BY: KSIEK
CHECKED BY: MSHS
APPROVED BY: MAHMOOD KARMIZADEH, A.I.A., PRINCIPAL ARCHITECT

SHEET TITLE: IRRIGATION MAINLINE ROUTING AND SLEEVING 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
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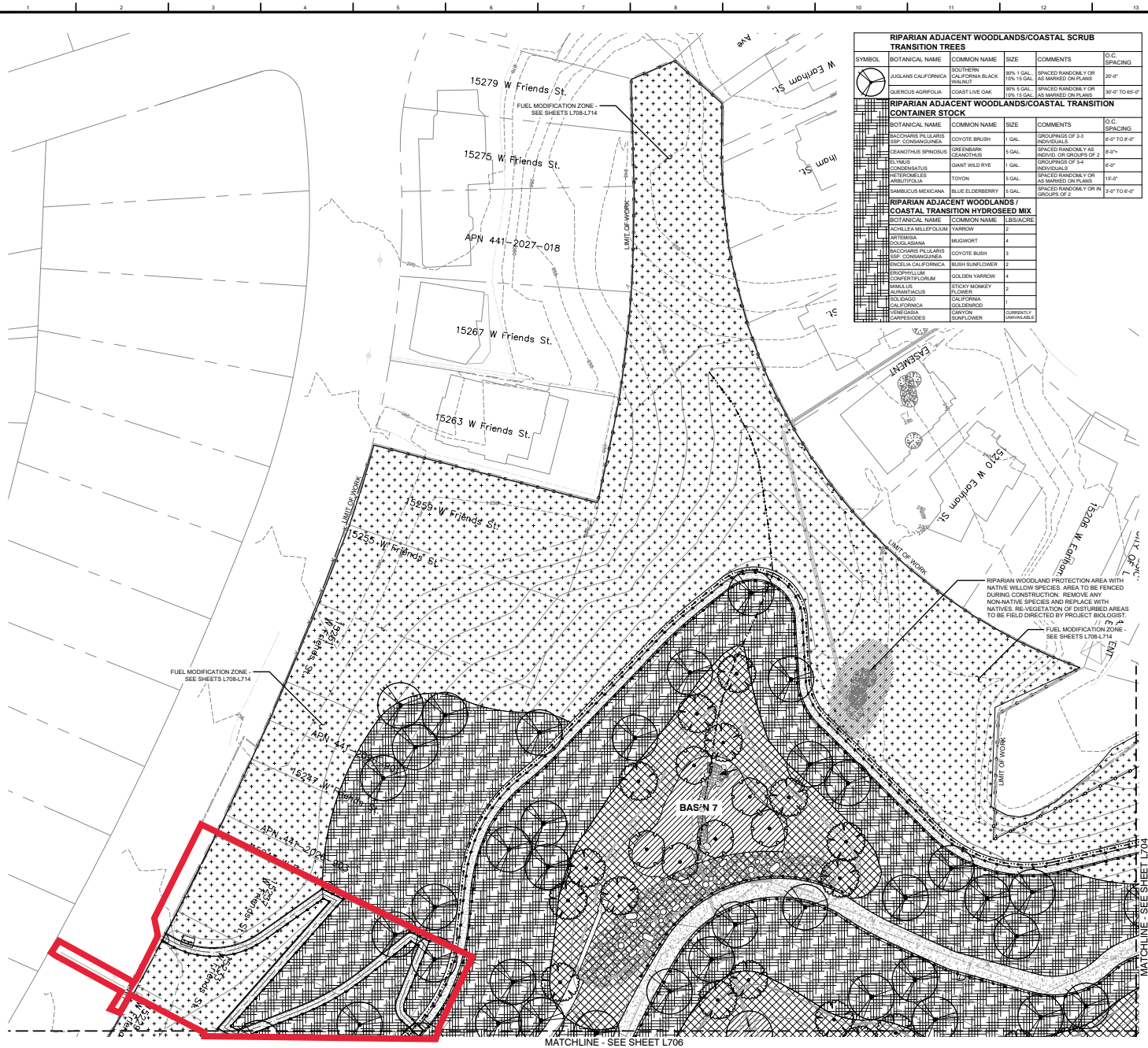


RIPARIAN ADJACENT WOODLANDS/COASTAL SCRUB TRANSITION TREES					
SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	COMMENTS	O.C. SPACING
	JUGLANS CALIFORNICA	SOUTHERN CALIFORNIA BLACK WALNUT	90% 1 GAL. 10% 15 GAL.	SPACED RANDOMLY OR AS MARKED ON PLANS	20'-0"
	QUERCUS AGRIFOLIA	COAST LIVE OAK	90% 5 GAL. 10% 15 GAL.	SPACED RANDOMLY OR AS MARKED ON PLANS	30'-0" TO 65'-0"

RIPARIAN ADJACENT WOODLANDS/COASTAL TRANSITION CONTAINER STOCK					
	BOTANICAL NAME	COMMON NAME	SIZE	COMMENTS	O.C. SPACING
	BACCHARIS PILULARIS SSP. CONSANGUINEA	COYOTE BRUSH	1 GAL.	GROUPINGS OF 2-3 INDIVIDUALS	6'-0" TO 8'-0"
	CEANOTHUS SPINOSUS	GREENBARK CEANOTHUS	5 GAL.	SPACED RANDOMLY AS INDIVID. OR GROUPS OF 2	8'-0"+
	ELYMUS CONDENSATUS	GIANT WILD RYE	1 GAL.	GROUPINGS OF 3-4 INDIVIDUALS	6'-0"
	HETEROMELES 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"

RIPARIAN ADJACENT WOODLANDS / COASTAL TRANSITION HYDROSEED MIX		
BOTANICAL NAME	COMMON NAME	LBS/ACRE
ACHILLEA MILLEFOLIUM	YARROW	2
ARTEMISIA DOUGLASIANA	MUGWORT	4
BACCHARIS PILULARIS SSP. 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 CARPESIOIDES	CANYON SUNFLOWER	CURRENTLY UNAVAILABLE

"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% 5 GAL. 10% 15 GAL.	SPACED RANDOMLY OR AS MARKED ON PLANS	30'-0" TO 40'-0"
	SALIX GOODDINGII	BLACK WILLOW	1 GAL.	SPACED RANDOMLY OR AS MARKED ON PLANS	30'-0" to 45'-0"
	SALIX LAEVIGATA	RED WILLOW	1 GAL.	SPACED RANDOMLY OR AS MARKED ON PLANS	30'-0" to 45'-0"

"WET" RIPARIAN CONTAINER STOCK					
	BOTANICAL NAME	COMMON NAME	SIZE	COMMENTS	O.C. SPACING
	BACCHARIS SALICIFOLIA SSP. 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	2'-0"
	MIMULUS CARDINALIS	SCARLET MONKEY FLOWER	1 GAL.	GROUPINGS OF 3-4 INDIVIDUALS	2'-6"
	MIMULUS GUTTATUS	SEEP 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	2'-0"
	OENOTHERA ELATA	HOOKER'S EVENING PRIMROSE	1 GAL.	GROUPINGS OF 3-7 INDIVIDUALS	3'-0"
	SALIX EXIGUA	NARROWLEAVED WILLOW	1 GAL.	SPACED RANDOMLY OR AS MARKED ON PLANS	6'-6" TO 16'-0"
	SALIX LASIOLEPIS	ARROYO WILLOW	1 GAL.	SPACED RANDOMLY OR AS MARKED ON PLANS	6'-0" TO 35'-0"

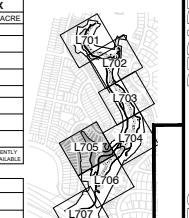
"WET" RIPARIAN HYDROSEED MIX		
BOTANICAL NAME	COMMON NAME	LBS/ACRE
AGROSTIS EXARATA	SPIKE BENTGRASS	3
CAREX BARBARAE	VALLEY SEDGE	2
CAREX SPISSA	SAN DIEGO SEDGE	2
EPILOBIUM CILIATUM	GREEN WILLOW HERB	0.5
EQUISETUM HYEMALE SSP. AFFINE	HORSETAIL	CURRENTLY UNAVAILABLE
EUTHAMIA OCCIDENTALIS	WESTERN GOLDENROD	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	SEEP MONKEY FLOWER	2
MUHLENBERGIA RIGENS	DEER GRASS	4
OENOTHERA ELATA	HOOKER'S EVENING PRIMROSE	CURRENTLY UNAVAILABLE
PHYLA NODIFLORA	UPPIA	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 SYCAMORE	90% 5 GAL. 10% 15 GAL.	SPACED RANDOMLY OR AS MARKED ON PLANS	20'-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% 5 GAL. 10% 15 GAL.	SPACED RANDOMLY OR AS MARKED ON PLANS	30'-0" TO 65'-0"
	SALIX GOODDINGII	BLACK WILLOW	1 GAL.	SPACED RANDOMLY OR AS MARKED ON PLANS	30'-0" to 45'-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 SSP. SALICIFOLIA	MULE FAT	1 GAL.	GROUPINGS OF 2-5 INDIVIDUALS	6'-0" TO 12'-0"
	CLEMATIS LIGUSTICIFOLIA	WESTERN VIRGIN'S BOWER	1 GAL.	SPACED RANDOMLY AS INDIVIDUALS OR GROUPINGS OF 2	PER PROJECT BIOLOGIST
	ELYMUS CONDENSATUS	GIANT WILD RYE	1 GAL.	GROUPINGS OF 3-4 INDIVIDUALS	6'-0"
	HETEROMELES ARBUTIFOLIA	TOYON	5 GAL.	SPACED RANDOMLY OR AS MARKED ON PLANS	15'-0"
	MUHLENBERGIA RIGENS	DEER GRASS	1 GAL.	GROUPINGS OF 2-5 INDIVIDUALS	2'-0"
	ROSA CALIFORNICA	CALIFORNIA WILD ROSE	5 GAL.	GROUPINGS OF 2-5 INDIVIDUALS	3'-0" TO 6'-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	1'-0" TO 6'-0"

"DRY" RIPARIAN HYDROSEED MIX		
BOTANICAL NAME	COMMON NAME	LBS/ACRE
ACHILLEA MILLEFOLIUM	YARROW	2
ARTEMISIA DOUGLASIANA	MUGWORT	4
ARTEMISIA DRACUNCULUS	WILD TARRAGON	3
BACCHARIS PILULARIS SSP. CONSANGUINEA	COYOTE BUSH	2
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

PLANT ZONE LEGEND		
HATCH	ZONE	SHEETS
	FUEL MODIFICATION	L708-L714
	MEADOW AND PARK	L715



KEY MAP

NOTE:
FOR PLANT QUANTITIES AND ZONE ACREAGE SEE SHEET L700

NORTH

0 30 60 90 120 feet
1" = 30'

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TEMPLATE SHEET REVISION DATE: 08/20/14
REVISION DATE: 10/13/2020 5:56 PM FILE: N:\0191013103\POTRERO-CANYON-PARK\PLANN\CONSTRUCTION DOCUMENTS\AUTOCAD\13113038-PK-30_HABITATS.DWG

DESIGN DATES (DESIGN STAGE ONLY)

CITY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

GARY LEE MOORE PE, ENV SP CITY ENGINEER
DATE
LIC. NO.
ARCHITECTURAL DIVISION
ARCHITECT
DESIGNED BY: MSIAC
DRAWN BY: KSIEK
CHECKED BY: MSIAS
APPROVED BY: MAHMOOD KARIMZADEH, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL
HORIZONTAL CONTROL

SHEET TITLE: PLANTING PLAN - PLANT COMMUNITIES
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. L705
SHEET 64 OF 95 SHEETS

NO. REVISIONS: DATE BY

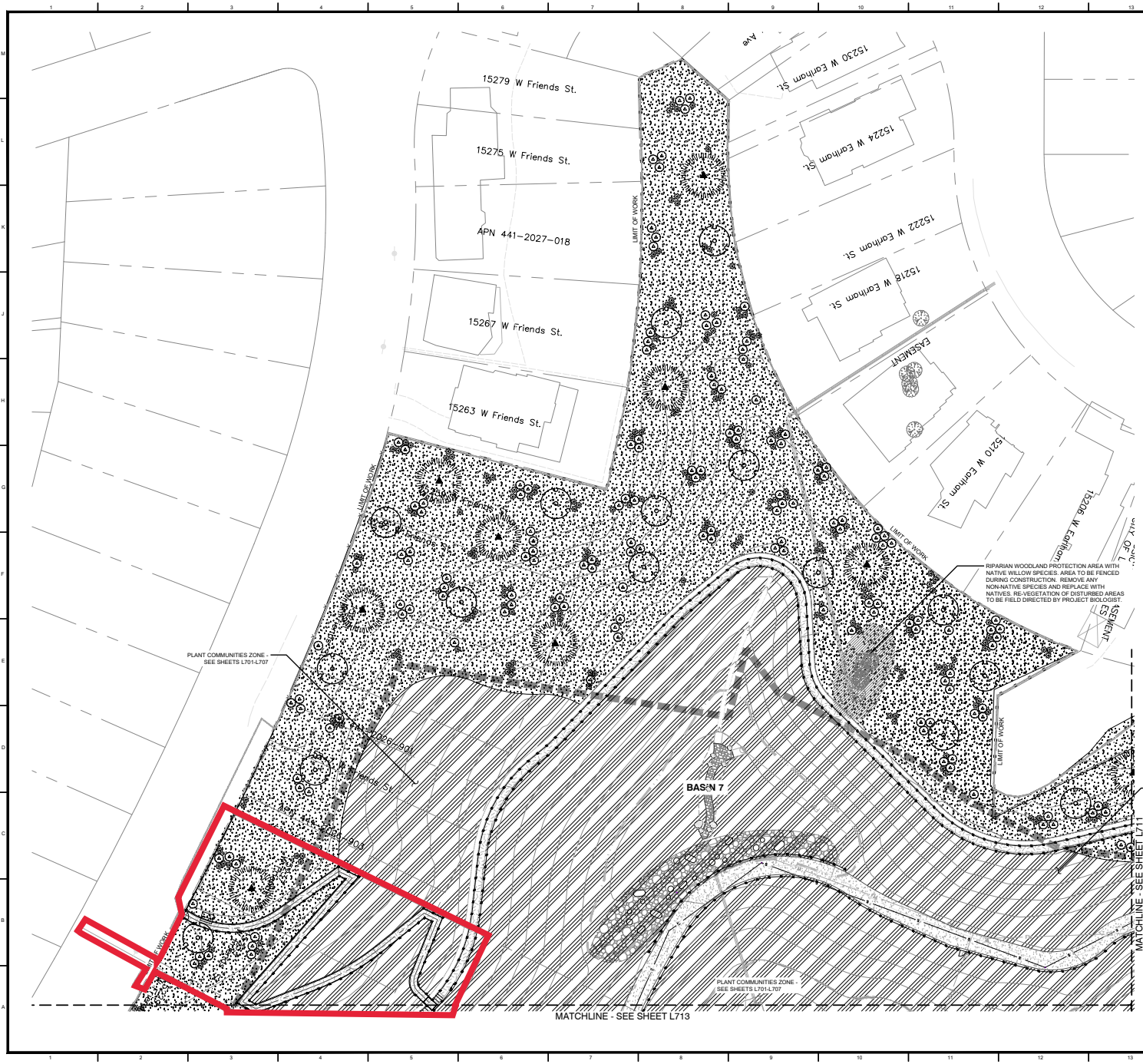
BUILDING NO.

INDEX NO. D-35381

ENGINEERING
CITY OF LOS ANGELES

REGISTERED LANDSCAPE ARCHITECT
MAHMOOD KARIMZADEH
No. 4320
STATE OF CALIFORNIA

BUREAU OF ENGINEERING
OFFICIAL RECORD



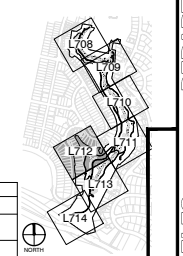
FUEL MODIFICATION ZONE TREES					
SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	COMMENTS	O.C. SPACING
	JUGLANS CALIFORNICA	SOUTHERN CALIFORNIA BLACK WALNUT	90% 1 GAL. 10% 15 GAL.	SPACED RANDOMLY OR AS MARKED ON PLANS	20'-0"
	QUERCUS AGRIFOLIA	COAST LIVE OAK	90% 5 GAL. 10% 15 GAL.	SPACED RANDOMLY OR AS MARKED ON PLANS	30'-0" TO 65'-0"

FUEL MODIFICATION ZONE CONTAINER STOCK					
SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	COMMENTS	O.C. SPACING
	CEANOTHUS SPINOSUS	GREENBARK CEANOTHUS	1 GAL.	SPACED RANDOMLY AS INDIVID. OR GROUPS OF 2	5'-0"+
	HETEROMELES 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	5'-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"
	ERIOGONUM CINEREUM	ASHY-LEAF BUCKWHEAT	1 GAL.	GROUPINGS OF 3-7 INDIVIDUALS	1'-0" TO 6'-0"
	ISOCOMA MENZIESII VAR. DECUMBENS	DECUMBENT GOLDENBUSH	1 GAL.	GROUPINGS OF 3-4 INDIVIDUALS	3'-0"
	MALACOTHAMNUS 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	5'-0" TO 10'-0"
	RHUS INTEGRIFOLIA	LEMONADE BERRY	5 GAL.	SPACED RANDOMLY OR IN GROUPS OF 2	5'-0" TO 10'-0"
	SALVIA APIANA	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	SHAWS AGAVE	5 GAL.	SPACED RANDOMLY AS INDIVID. OR GROUPS OF 2	4'-0" TO 5'-0"
	HESPEROYUCCA WHIPPLEI	CHAPARRAL YUCCA	5 GAL.	SPACED RANDOMLY AS INDIVIDUALS	3'-0"
	OPTUNIA 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 STARS	1
	CAMISSONIA BREVIPES	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
	SISYRINCHIUM BELLUM	BLUE-EYED GRASS	2

150-FOOT BRUSH CLEARANCE SETBACK:
A 150' 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.

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



KEY MAP

NOTE:
FOR PLANT QUANTITIES AND ZONE ACREAGE SEE SHEET L700

NORTH

0 30 60 90 120 feet
1" = 30'

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REVISION DATE: 10/16/2013 3:27 PM FILE: N:\0191013\1103\CPOTRERO-CANYON-PARK\PLANNING\CONSTRUCTION DOCUMENTS\AUTOCAD\13110B-PK-30_FUEL MODS.DWG

DESIGN DATES (DESIGN STAGE ONLY)

CITY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

REVISIONS: NO. | DATE | BY

BUILDING NO.

INDEX NO. D-35381

REGISTERED PROFESSIONAL ENGINEER
GARY LEE MOORE PE, ENV SP
STATE OF CALIFORNIA

CITY ENGINEER
DATE
LIC. NO.

ARCHITECTURAL DIVISION
ARCHITECT
DESIGNED BY: MSIAC
DRAWN BY: KSIEK
CHECKED BY: MSINS
APPROVED BY: MAHMOOD KARIMZADEH - A.I.A. PRINCIPAL ARCHITECT

VERTICAL CONTROL
HORIZONTAL CONTROL

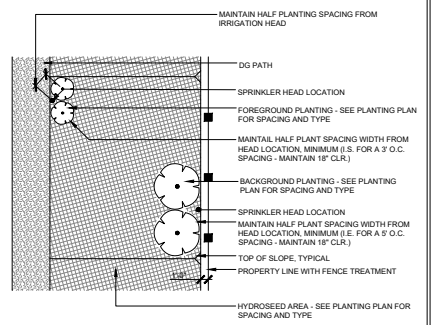
SHEET TITLE: PLANTING PLAN - FUEL MODIFICATION

PROJECT: POTRERO CANYON PARK

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

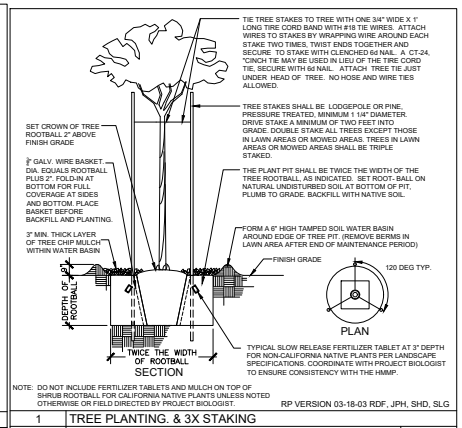
WORK ORDER NO. E1908635
PLAN FILE NO. 720
DRAWING NO. L712
SHEET 71 OF SHEETS 95

ASTER-19 SHEET 1



4 SHRUB SPACING BY IRRIGATION HEADS

N.T.S. RRM DETAIL

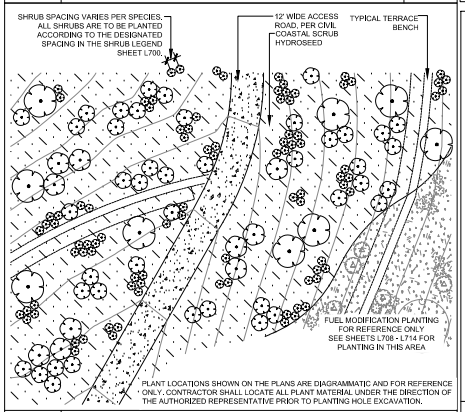


NOTE: DO NOT INCLUDE FERTILIZER TABLETS AND MULCH ON TOP OF SHRUB ROOTBALL FOR CALIFORNIA NATIVE PLANTS UNLESS NOTED OTHERWISE OR FIELD DIRECTED BY PROJECT BIOLOGIST.

RP VERSION 03-18-03 RDF, JPH, SHD, SLG

1 TREE PLANTING. & 3X STAKING

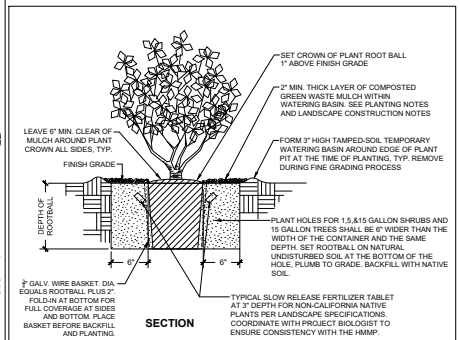
N.T.S. RP DETAIL 200



PLANT LOCATIONS SHOWN ON THE PLANS ARE DIAGRAMMATIC AND FOR REFERENCE ONLY. CONTRACTOR SHALL LOCATE ALL PLANT MATERIAL UNDER THE DIRECTION OF THE AUTHORIZED REPRESENTATIVE PRIOR TO PLANTING HOLE EXCAVATION.

5 TYPICAL COASTAL BLUFF PLANTING

N.T.S. RRM DETAIL

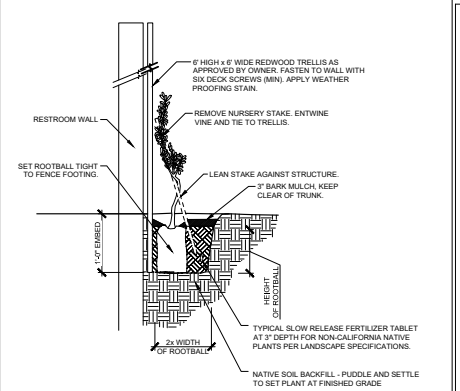


NOTE: DO NOT INCLUDE FERTILIZER TABLETS AND MULCH ON TOP OF SHRUB ROOTBALL FOR CALIFORNIA NATIVE PLANTS UNLESS NOTED OTHERWISE OR FIELD DIRECTED BY PROJECT BIOLOGIST.

RP VERSION 10/22/98 SHD, JPH

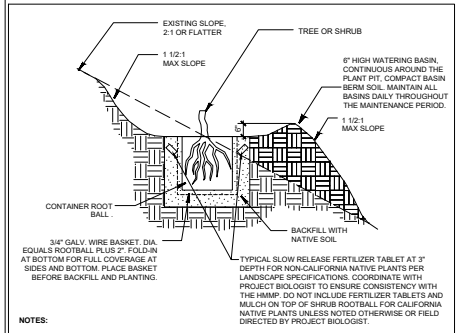
2 SHRUB PLANTING

N.T.S. BOE VERSION Sep/07. RF RP DETAIL L2030



6 VINE PLANTING ON TRELLIS

N.T.S. RRM DETAIL



NOTES:

1. REFER TO LANDSCAPE SPECIFICATIONS FOR TREE PLANTING BACKFILL MIX AND PLANTING REQUIREMENTS.
2. PLANT PIT FOR 15 GALLON TREES SHALL BE 6" GREATER THAN THE WIDTH OF THE CONTAINER AND THE SAME DEPTH AS THE CONTAINER.
3. PLANT PIT FOR ONE AND FIVE GALLON TREES/SHRUBS SHALL BE 6" GREATER THAN THE WIDTH OF THE CONTAINER AND 6" DEEPER THAN THE CONTAINER.

RAP VERSION 9-13-95 / JPH

3 SHRUB & TREE SLOPE PLANTING

N.T.S. BOE VERSION APR/08 RP DETAIL L2020

BUREAU OF ENGINEERING

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

NO. REVISIONS: DATE: BY:

BUILDING NO.

INDEX NO. D-35381

GARY LEE MOORE PE, ENV SP CITY ENGINEER DATE

ARCHITECT: ARCHITECTURAL DIVISION LIC. NO.

DESIGNED BY: MS/AC

DRAWN BY: KS/EK

CHECKED BY: MS/NS

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

SHEET TITLE: PLANTING DETAILS

PROJECT: POTRERO CANYON PARK

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

VERTICAL CONTROL:

HORIZONTAL CONTROL:

WORK ORDER NO. E1908635

PLAN FILE NO. 720

DRAWING NO. L719

SHEET 78 OF 95 SHEETS

ASTER-1 R6.0.0

DESIGN DATES (DESIGN STAGE ONLY)

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TEMPLATE SHEET REVISION DATE: 08/20/14

REVISION DATE: 5/24/2024 4:46 PM FILE: N:\2011\1311037-POTRERO-CANYON-PARK\PLANNING\CONSTRUCTION DOCUMENTS\AUTOCAD\1311037-P01.DWG

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CALIFORNIA

ERIC GARCETTI
MAYOR

DEPARTMENT OF PUBLIC WORKS

BUREAU OF ENGINEERING

GARY LEE MOORE, PE, ENV SP
CITY ENGINEER

1149 S. BROADWAY, SUITE 700
LOS ANGELES, CA 90015-2213

http://eng.lacity.org

April 1, 2022

Andrew Willis
Enforcement Manager
California Coastal Commission
South Coast District Office
301 E. Ocean Blvd., Suite 300
Long Beach, CA 90802

Via email

RE: Status of Potrero Canyon Park Project

Dear Mr. Willis:

Thank you for meeting with Bureau of Engineering staff on March 17, 2022. This letter provides information relating to the issues discussed at that meeting.

Project Construction

The grading phase of the Potrero Canyon Park project was completed in August 2020.

The landscaping phase of the project was begun in mid-2021 and is approximately 60 percent complete as of this date. The landscaping scope of work approved by the Board of Recreation and Parks Commissioners in 2021 includes the following:

- Clearing and grubbing
- Reconstruction of the Palisades Recreation Center parking lot; including paving, striping of parking stalls, installation of ADA signage and paths, and planting of trees and shrubs in the center parking lot island
- Minor grading – cut and fill from existing stockpiles; including buttressing of over-steepened slopes at the mouth of the canyon nearest to Pacific Coast Highway
- Installation of irrigation systems throughout the canyon
- Installation of landscaping; including plants, decorative boulders and informational signs
- Construction of a new Pre-fabricated restroom at the top of the canyon including; construction of restroom foundation pad, installation of restroom model and connection to utilities, and planting along the exterior walls.

- Construction of perimeter fencing around the entire canyon
- Construction of fencing around riparian zones and paths
- Construction of soil cement access road
- Construction of scenic overlooks; including benches, trash cans and DG paths to the overlooks
- Construction of a pump station to recycle stormwater runoff into the riparian system
- Construction of approximately 700-LF 6" PVC force main to supply water for riparian zone
- Construction of approximately 700-LF of 12" to 24"storm drain line
- Construction of a DG path connecting the entrance at Friends Street to park trails
- Erosion control / SWPPP implementation

As noted above, in order to provide public access from Friends Street, a pedestrian gate and a decomposed granite path that connects to the main interior park trail have been constructed. This provides a safe path of travel from the Friends Street pedestrian gate to the park trail.

Vegetation planted during the landscaping phase of the project will be native and drought tolerant, and also approved to be within the fuel modification zones of the park. Approximately, five hundred thirty trees will be planted during the landscaping phase. One hundred fourteen *Juglans californica* (California Walnut), forty-seven *Populus fremontii spp. fremontii* (Western Cottonwood), fifty-four *Salix gooddingii* (Black Willow), fifty-nine *Salix laevigata* (Red Willow), forty-six *Plantanus racemosa* (Western Sycamore), one hundred seventy-six *Quercus agrifolia* (Coast Live Oak), twenty-two *Heteromeles arbutifolia* (Toyon), and twelve *Pinus torreyana* (Torrey Pines) will be dispersed among four ecologic zones, a park area and the parking lot of the Palisades Recreation Center.

Lateral Trail

A lateral trail providing access from the mouth of Potrero Canyon at Pacific Coast Highway to Temescal Canyon Road would have to be located partially on property that is not under City ownership or control. Figure 1 (attached) shows one such parcel (APN 4412030902) that is owned by Caltrans. The Bureau of Engineering is in on-going discussions with Caltrans about possible approaches that would allow Caltrans property to be used for construction of the lateral trail.

Pedestrian Bridge Over Pacific Coast Highway

The Bureau of Engineering is proceeding with a capital improvement project to construct a pedestrian bridge over Pacific Coast Highway that will provide public access from Potrero Canyon Park to Will Rogers State Beach. The project has been awarded $11,000,000 in funding that will be used for design and construction. The project is currently in the predesign phase; project design is scheduled to begin in January 2023. It is currently anticipated that project construction will begin in January 2025 and be completed in June of 2026.

Irrigation Structures

Coastal Commission staff has provided photographs of recently constructed irrigation structures (see Figure 2). The Department of Recreation and Parks has requested that all the irrigation piping be buried during installation. This is mainly to protect the irrigation system from vandalism during the five-plus years of operation as specified in the *Habitat Mitigation and Monitoring Plan*. Unfortunately, vandalism and other types of damage to irrigation is a maintenance issue in City parks. Subsurface irrigation structures can also be more easily abandoned in the future without an unsightly deteriorating and/or broken network of pipe sitting on top of the ground to remove later, and it avoids impact to the vegetation from the removal process.

– – – –

Please contact me at Norman.Mundy@lacity.org if you need additional information.

Sincerely,

Norman Mundy

Digitally signed by Norman Mundy
DN: cn=Norman Mundy, o=PW Bureau of Engineering, ou=EMG, email=norman.mundy@lacity.org, c=US
Date: 2022.04.01 14:01:32 -07'00'

Norman Mundy
Environmental Supervisor II
Environmental Management Group

Attachments: Figure 1
Figure 2

cc: Sahar Amitay, California Coastal Commission
Kristen Ly, Bureau of Engineering
Zach Rehm, California Coastal Commission
Nicholas Tealer, California Coastal Commission

Figure 1: APN 4412030902 (Caltrans)

Figure 2: Photographs

AMENDMENT REQUEST FORM

1. Permit Number 5-91-286

2. Applicant's Name

City of Los Angeles
Department of Public Works
Bureau of Engineering norman.mundy@lacity.org 213-485-5737
(area code and phone no.)

Name, mailing address and telephone number of applicant's representative, if any. Please include all representatives who will communicate on behalf of the applicant or the applicant's business partners, for compensation, with the Commission or staff. (It is the applicant's responsibility to update this list, as appropriate, including after the application is accepted for filing. Failure to provide this information prior to communication with the Commission or staff may result in denial of the permit or criminal penalties.

Norman Mundy, Environmental Supervisor II
Environmental Management Group, Bureau of Engineering
Department of Public Works, City of Los Angeles
1149 S. Broadway, Suite 600
Los Angeles, CA 90015 norman.mundy@lacity.org

Kristen Ly, Project Manager
Geotechnical Engineering Group, Bureau of Engineering
Department of Public Works, City of Los Angeles
1149 S. Broadway, Suite 120
Los Angeles, CA 90015 kristen.ly@lacity.org

Describe Proposed Amendment

This proposed Amendment No. 12 to CDP 5-91-286 would allow the construction of an ADA compliant access path from a gate at Friends Street into Potrero Canyon Park to connect with the interior park trail. The plans showing the path are attached as Figures 1, 2 and 3.

Norman Mundy Digitally signed by Norman Mundy DN: cn=Norman Mundy, o=PW Bureau of Engineering, ou=EMG, email=norman.mundy@lacity.org, c=US Date: 2022.05.18 13:55:25 -07'00' May 18, 2022

Applicant's / Agent Signature Date

SUPPLEMENT TO
AMENDMENT REQUEST FORM

1. Permit Number 5-91-286

2. Applicant's Name

City of Los Angeles
Department of Public Works
Bureau of Engineering

Contact: norman.mundy@lacity.org

Applicant's Representatives

Norman Mundy, Environmental Supervisor II
Environmental Management Group, Bureau of Engineering
Department of Public Works, City of Los Angeles
1149 S. Broadway, Suite 600
Los Angeles, CA 90015
norman.mundy@lacity.org

Kristen Ly, Project Manager
Geotechnical Engineering Group, Bureau of Engineering
Department of Public Works, City of Los Angeles
1149 S. Broadway, Suite 120
Los Angeles, CA 90015
kristen.ly@lacity.org

Describe Proposed Amendment

This Supplement to Amendment Request is submitted in response to the Coastal Commission's *Application Status Letter – Incomplete* dated June 8, 2022. The amendment is requested to address work previously completed which exceeded the scope of CDP 5-91-286 and subsequent amendments.

The proposed Amendment No. 13 to CDP 5-91-286 would allow the construction of an ADA compliant access path (the Path) from a gate at Friends Street into Potrero Canyon Park (the Park) to connect with the interior park trail. The requested amendment is only for the construction of the Path and does not include other elements of the Park.

The scope of work for which the amendment is requested is shown in the attached Sheet C-18, where the limits of work are identified in red. The Path is five feet wide and connects to an existing interior path which in turn leads to the main park path; when a pedestrian uses the Path to enter into the Park they will turn left at the end of the Path and onto the existing interior path (see park trails shown on attached Sheet C-16 and Sheet C-17).

The scope of work covered by the amendment request also includes the installation of an informational kiosk near the top (near Friends Street) of the path. The kiosk will include signage as well as information recognizing George Wolfberg, who was instrumental in the development of the Park.

The Friends Street Path has been completely graded from the entrance to where it intersects with the main park access trail. Where required, cast-in-place concrete curbs have been poured and cured for safe access from Friends Street to where it crosses over an existing park terrace drain. Fence posts have also been installed along the upper portion of the Path, however the cable railing between the posts has not been completed. Remaining work includes completion of fencing along the pathway, installation of an informational kiosk, minor spot grading as needed to ensure the pathway is a level walking surface, and installation of 4 inches of decomposed granite along the trail using mechanized equipment to ensure proper compaction.

Noticing

A photograph of the "Notice of Pending Permit" sign in conspicuous locations near the proposed development, including at the Friends Street entrance, near the mouth of the canyon landward of the intersection with Pacific Coast Highway, and on top of the canyon near the Palisades Recreation Center will be submitted separately. Noticing envelopes addressed to all properties withing 100 feet of the property lines of the project site will be submitted separately.

Norman Mundy June 23, 2022

Applicant's / Agent Signature Date

Attachment: Sheets C-16, C17 and C-18