

APPROVED

MAY 16 2018

BOARD REPORT

BOARD OF RECREATION
AND PARK COMMISSIONERS

NO. 18-087

DATE May 16, 2018

C.D. 7

BOARD OF RECREATION AND PARK COMMISSIONERS

SUBJECT: WEST LAKESIDE STREET PARK – PARK DEVELOPMENT (PRJ20398)
PROJECT – APPROVAL OF FINAL PLANS

AP Diaz	_____	V. Israel	_____
*R. Barajas	<u>DP</u>	S. Piña-Cortez	_____
H. Fujita	_____	N. Williams	_____



General Manager

Approved X Disapproved _____ Withdrawn _____

RECOMMENDATIONS

Approve the final plans and specifications, substantially in the form on file in the Board Office, for the West Lakeside Street Park – Park Development (PRJ20398) Project, as described in the Summary of this Report.

SUMMARY

In September 2009, the State of California (State) released a Request for Proposal for the first round of competitive grants for the Proposition 84 Statewide Park Grant Program. The Five Billion, Four Hundred Million Dollars (\$5,400,000,000.00) Safe Drinking Water, Water Quality and Supply, Flood Control, River and Coastal Protection Bond Act of 2006 (Proposition 84) was passed by the voters on November 7, 2006. These funds are used for a number of programs, one of which is the Statewide Park Grant Program. A total of Three Hundred Sixty-Eight Million Dollars (\$368,000,000.00) has been dedicated to this Program. This Grant Program awards grants for the creation/renovation of recreation features. However, the Program's emphasis is on new parks and requires that the proposed Project be located in areas that either lack park space or have significant poverty.

The West Lakeside Street Park – Park Development (PRJ20398) Project is on the Los Angeles Department of Water and Power's (LADWP) Lakeside Debris Basin Property, which is located just east of the interchange of the Interstate 5 and Interstate 405 freeways, in the Sylmar community of the City. The site is approximately sixty-nine (69) acres and is bounded on the north, east, and south by residential neighborhoods and on the west by the Interstate 5 freeway. The property address is 15275 Lakeside Street, Los Angeles, California 91342.

On December 9, 2009, the Board of Recreation and Park Commissioners' (Board) authorized the Department of Recreation and Park's (RAP) General Manager to submit fourteen (14)

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Proposition 84 Statewide Park Program grant applications for the acquisition, development, and construction of new parks (Report No. 09-317). West Lakeside Street Park was one (1) of the fourteen (14) projects submitted to the State for funding of a new park that would include a baseball and soccer facility, and other park amenities. However, due to the competitiveness of the hundreds of statewide applications submitted for consideration, West Lakeside Street – Park Project was not funded.

On June 6, 2011, the Board authorized RAP's General Manager to submit three (3) grant applications to the State of California, Department of Parks and Recreation (State) for Round Two (2) of the Proposition 84 Statewide Park Program (Report No. 11-167). West Lakeside Street Park was one of the three (3) grant applications that was submitted by RAP. The Round Two (2) version of West Lakeside Street Park – Park Development (PRJ20398) Project (Project) included a recreational facility with an outdoor amphitheater, restrooms, picnic area, landscaping and parking.

On September 9, 2011, RAP received notification from the State that the grant application submitted for the West Lakeside Street Park - Park Development (PRJ20398) Project was awarded Four Million, Nine Hundred Sixty-One Thousand Dollars (\$4,961,000.00) in grant funding under the second funding round of the Proposition 84 Statewide Park Program.

On July 10, 2013, the Board adopted and certified the Final Environmental Impact Report (FEIR) for the proposed West Lakeside Street Park (PRJ20398) project. In addition, the same Report authorized RAP staff to pursue and negotiate a Lease Agreement with LADWP for the use of eleven (11) acres of LADWP's Lakeside Debris Basin property for the development of the proposed park (Report No. 13-191).

On April 4, 2018, the Board approved the revised Lease Agreement with LADWP for the use of 6.16 acres of LADWP property for the construction, operation, and maintenance of a new park. (Report No. 18-047).

RAP's staff has completed and prepared the final plans for the West Lakeside Street – Park (PRJ20398) project for the Board's approval. The scope of work is for the development of new outdoor park and recreational improvements. The plan for development of the new park site includes the construction of a 58,000 square feet open play field, a 10,000 square feet picnic area, an outdoor seating/gathering area with a capacity for 100 seats, a 625 square feet restroom/storage building with two (2) uni-sex restrooms, 0.55 mile of circular walking/jogging path, entry plaza, landscaping, an irrigation system, four (4) shade structures – two (2) for the picnic area and two (2) for outdoor seating/gathering area, 8 foot high perimeter fencing and gates for the entire park, security lightings, a 26 cars parking lot with three (3) handicap spaces. The final design for the park is illustrated on Exhibit A.

RAP staff, with the assistance of Council District 7 staff, had numerous meetings with the community regarding the Project. The first six (6) community meetings were for the design of the new park as part of the Proposition 84 application requirements. The 7th community meeting was for the design and update of the reduced size and scope of the new park for the

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Round Two (2) submittal of the Proposition 84 application. After RAP's staff received notification of the award of funding from the State, RAP updated the community in a meeting of the final design and scope for the Project. In addition, there were other update meetings with Council District 7 staff and the Sylmar Neighborhood Council.

Meeting Dates:

- 1) 11/19/2009 Sylmar Neighborhood Council Meeting, 6:30 pm
- 2) 12/01/2009 Community Meeting, 7:00 pm
- 3) 12/02/2009 Community Meeting, 6:30 pm
- 4) 12/08/2009 Community Meeting, 6:30 pm
- 5) 01/21/2010 Middle School Student Meeting, 2:30 pm
- 6) 01/21/2010 High School Student Meeting, 6:30 pm
- 7) 06/23/2011 Community Meeting, 6:30 pm
- 8) 01/28/2014 CD 7 and LADWP Meeting, 12:30 pm
- 9) 04/23/2014 Community Meeting, 6:30 pm
- 10) 09/23/2014 Sylmar Equestrian Community Meeting, 6:00 pm
- 11) 05/15/2015 CD 7 and LADWP Meeting, 4:00 pm
- 12) 06/25/2015 Sylmar Neighborhood Council Meeting, 6:30 pm
- 13) 12/17/2015 Sylmar Neighborhood Council Meeting, 6:30 pm

The community, Council District 7 and RAP staff support this new park development.

RAP's staff estimate for this Project is Five Million Dollars (\$5,000,000). Funds are available for the construction of this Project from the following funds and accounts:

<u>FUNDING SOURCE</u>	<u>FUND/DEPT./ACCT. NO.</u>
Proposition 84	205/89/89LOA5
Quimby	302/89/8976K-LK

The design as presented in Exhibit "A" is proposed out to bid using RAP's current list of on call Park Facility Construction contractors. Duration of construction is estimated to be twelve (12) months.

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TREES AND SHADE:

The trees and quantities and installed container size of trees as specified in the plans are as follows:

Acacia baileyana 'Purpurea' – Purple Leaf Acacia, 52—36" box

Arbutus 'Marina' – Strawberry Guava, 21—48" box

Platanus Mexicana – Mexican Sycamore, 30—36" box

Populus 'Neveda' – Fremont Cottonwood, 32—24" box

Quercus lobata – Valley Oak, 20—48" box

All specified trees are regionally compatible and have low water requirements. The total canopy cover for passive recreation use areas amounts to 74% of the total project square footage, excluding the multi-purpose open playing field area, parking lot and maintenance road square footages. In addition, shade structures will be installed at the picnic areas and the outdoor seating/gathering area to provide 100 % overhead shade cover.

ENVIRONMENTAL IMPACT STATEMENT

Staff has determined that this Project has been previously reviewed according the City and State CEQA Guidelines, and a Final Environmental Impact Report (FEIR) was prepared and certified by the Board on July 10, 2013. A Notice of Determination that included adopted mitigation measures and a Statement of Overriding Consideration for unavoidable adverse impacts from the project was filed with the Los Angeles County Clerk on July 17, 2013. Staff has further determined that the environmental setting has not substantially changed, and no additional impacts from the downsized project scope will occur that required new mitigation measures. Therefore, the Final EIR as certified is still valid for the proposed Project, and no additional CEQA evaluation or documentation is required.

FISCAL IMPACT STATEMENT

The approval and execution of the final plans for the Project will not have any impact on RAP's General Fund. The estimated costs for the design, development, and construction of the proposed park improvements are anticipated to be funded by funding sources other than RAP's General Fund.

This Report was prepared by Mark Leung, Landscape Architectural Associate III, Planning, Construction, and Maintenance Branch.

DEPARTMENT OF RECREATION AND PARKS CITY OF LOS ANGELES

West Lakeside Street Park Landscape Improvements



PARK PROUD LA

PROJECT DESCRIPTION

THE SCOPE OF WORK CONSISTS OF:

1. GRADING
2. NEW PLAY FIELD
3. NEW CONCRETE PAVING
4. NEW ASPHALT CONCRETE PAVING
5. NEW CONCRETE CURB
6. NEW STABILIZED DECOMPOSED GRANITE PAVING
7. NEW PERIMETER FENCING AND GATES
8. NEW CONCRETE RETAINING WALLS
9. NEW PRE-FAB RESTROOM BUILDING
10. NEW SHADE STRUCTURES
11. NEW OUTDOOR SEATING / GATHERING AREA
12. NEW SECURITY LIGHTS
13. NEW 2-WIRE IRRIGATION SYSTEM
14. NEW LANDSCAPING
15. NEW PICNIC TABLES AND DRINKING FOUNTAINS
16. NEW BIKE RACKS



PROPOSED SITE PLAN

INDEX OF SHEETS

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13	LS-5.02	CONSTRUCTION LAYOUT PLAN	42	E4.0	PHOTOMETRIC SITE PLAN
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17	LS-6.03	CONSTRUCTION CALLOUT PLAN			
18	LS-6.1	CONSTRUCTION DETAILS			
19	LS-6.2	CONSTRUCTION DETAILS			
20	LS-6.3	CONSTRUCTION DETAILS			
21	LS-6.4	CONSTRUCTION DETAILS			
22	LS-6.5	CONSTRUCTION DETAILS			
23	LS-6.6	CONSTRUCTION DETAILS			
24	LS-7.0	GRADING AND DRAINAGE PLAN - OVERALL			
25	LS-7.01	GRADING AND DRAINAGE PLAN			
26	LS-7.02	GRADING AND DRAINAGE PLAN			
27	LS-7.03	GRADING AND DRAINAGE PLAN			
28	LS-8.0	IRRIGATION LEGEND & NOTES			
29	LS-8.001	IRRIGATION PLAN - OVERALL			

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

THE CITY OF LOS ANGELES
DEPARTMENT OF RECREATION AND PARKS
SUPERINTENDENT: CATHIE SANTO DOMINGO

GENERAL MANAGER: MICHAEL SHULL
PROJECT LANDSCAPE ARCHITECT: _____
PROJECT ENGINEER: _____
DATE: _____
AS SHEETS DRAWN BY: _____



PROJECT TEAM

OWNER:
DEPARTMENT OF WATER & POWER
111 NORTH HOPE STREET, ROOM 1031
LOS ANGELES, CA 90012

MARC D. GARCIA, REAL ESTATE SECTION
(213) 367-0583
marc.garcia@ladwp.com

DEPARTMENT OF RECREATION & PARKS
221 NORTH FIGUEROA ST., STE. 400
LOS ANGELES, CA 90012

MICHAEL SHULL
GENERAL MANAGER

CATHIE SANTO DOMINGO
SUPERINTENDENT

DESIGN:
DEPARTMENT OF RECREATION & PARKS
PLANNING, CONSTRUCTION and
MAINTENANCE DIVISION

ABBREVIATIONS

ABS	ACRYLONITRILE BUTADIENE STYRENE	ID	INSIDE DIAMETER
ADJ	ADJACENT	INV.	INVERT ELEVATION
ALT.	ALTERNATE	IN.	INCH
APPROX.	APPROXIMATE	JOIN	MATCH EX. ADJACENT GRADE BOTH HORIZ. & VERT.
AC	ASPHALT CONCRETE	JT.	JOINT
ASTM	AMERICAN SOCIETY FOR TESTING MATERIALS	LB.	POUND
@	AT	LF	LINEAL FEET
BC	BEGINNING OF CURVE	MAX.	MAXIMUM
BPU	BACKFLOW PREVENTION UNIT	MFG.	MANUFACTURER
BM	BENCH MARK	MH	MANHOLE
BS	BOTTOM OF STEP	MIN.	MINIMUM
BW	BOTTOM OF WALL	MISC.	MISCELLANEOUS
B/W	BOTH WAYS	NIC	NOT IN CONTRACT
CB	CATCH BASIN	NO. or #	NUMBER
C	CENTER LINE	NTS	NOT TO SCALE
CC	CENTER TO CENTER	OC	ON CENTER
CJ	CONTROL JOINT	OD	OUTSIDE DIAMETER
CLF	CHAIN LINK FENCE	PA	PLANTING AREA
CO	CLEAN OUT	PB	PULL BOX
CONC.	CONCRETE	P	PROPERTY LINE
CONST.	CONSTRUCT	POC	POINT OF CONNECTION
CF	CUBIC FOOT	PP	POWER POLE
CSP	CORRUGATED STEEL PIPE	PRC	POINT OF REVERSE CURVE
CY	CUBIC YARD	PSI	POUND PER SQUARE INCH
DF	DRINKING FOUNTAIN	PVC	POLYVINYL CHLORIDE
DG	DECOMPOSED GRANITE	QCV	QUICK COUPLER VALVE
DIA. or O	DIAMETER	R	RADIUS
EA	EACH	RCP	REINFORCED CONCRETE
EC	END OF CURVE	RCV	REMOTE CONTROL VALVE
EJ	EXPANSION JOINT	RP	REDUCED PRESSURE BACKFLOW DEVICE
ELEV.	ELEVATION	SD	STORM DRAIN
EQ.	EQUAL	SHT.	SHEET
FB	FIELD BOOK	SPECS.	SPECIFICATIONS
FL	FLOWLINE	SS	SANITARY SEWER
FG	FINISH GRADE	SSPWC	STANDARD SPECIFICATION FOR PUBLIC WORKS CONSTRUCTION
FIN.	FINISH	SQ.FT.	SQUARE FEET
FS	FINISH SURFACE	TC	TOP OF CURB
FOC	FACE OF CURB	TG	TOP OF GRATE
FOW	FACE OF WALL	TS	TOP OF STEP
FT	FEET	TW	TOP OF WALL
GA.	GAUGE	VERT.	VERTICAL
GALV.	GALVANIZED	W	WITH
GPM	GALLONS PER MINUTE	WM	WATER METER
HORIZ.	HORIZONTAL	WWM	WELDED WIRE MESH
	LOCATION OF COMPACTION TEST, AS INDICATED ON THE PLANS		



PROJECT NAME:
WEST LAKESIDE STREET PARK
ADDRESS:
15275 W. LAKESIDE STREET
LOS ANGELES, CA 91342

REVISIONS:	DATE:

PLAN NAME:
TITLE SHEET

DRAWN BY: MWL
APPROVED BY: _____

SCALE: 1-22-2018
ISSUE DATE: _____

W.O. NO. _____
FILE NO. _____

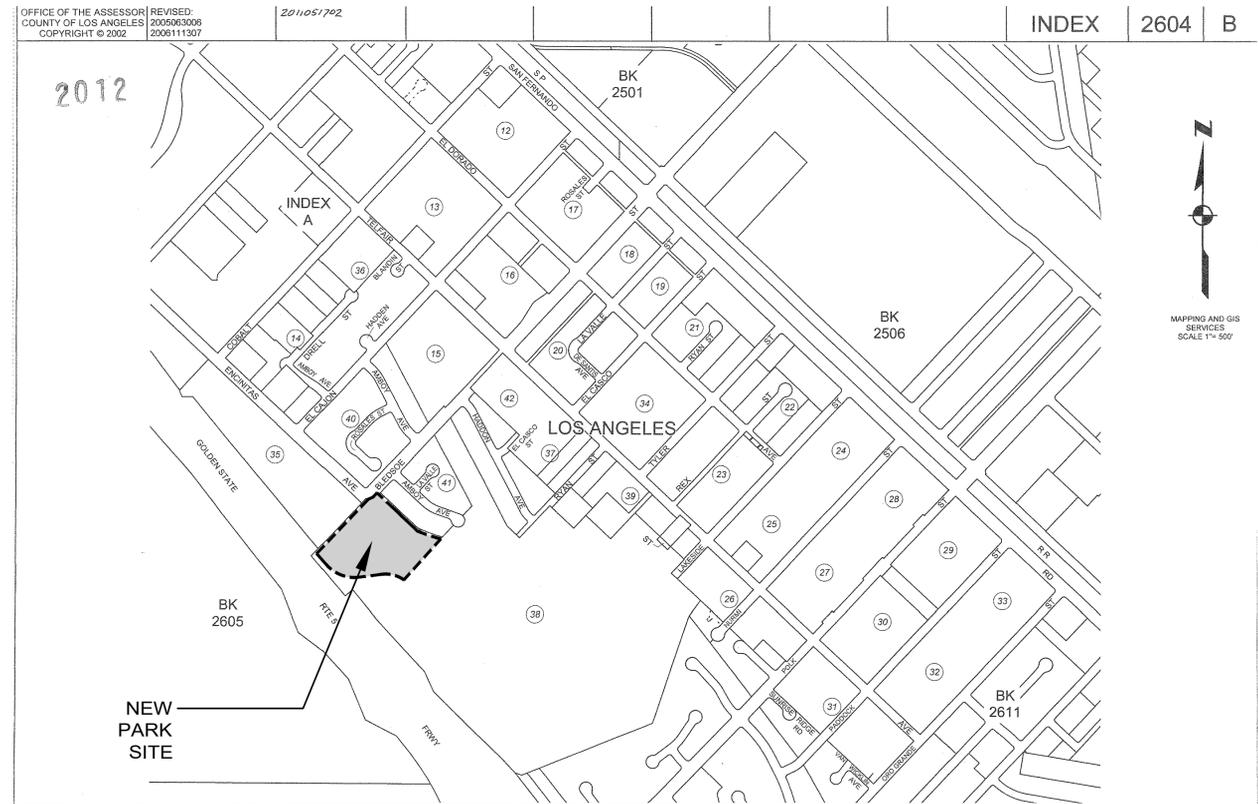
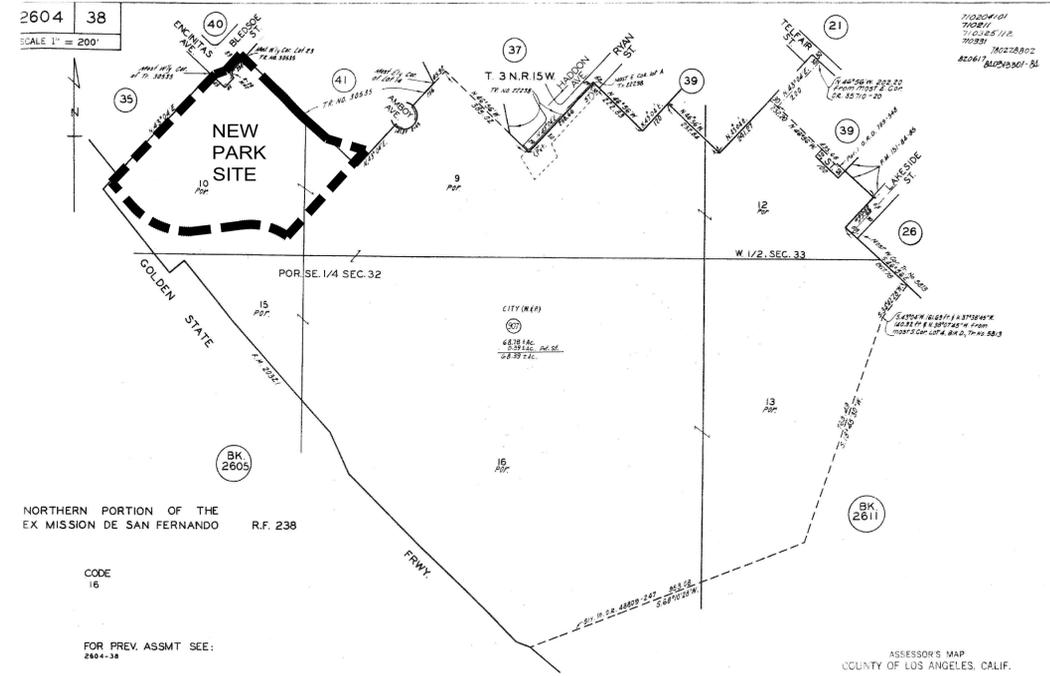
DRAWING NO.
TS-1

SHEET 1 OF 43 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.

SITE LEAGLE DESCRIPTION:

Assessor Parcel No. : 2604038907
 Tract: EX MISSION DE SAN FERNANDO
 Map Reference: D C C 1526 C F 896 RF 238
 Lot: PT PCL D
 Arb: 29



PARK PROUD LA

THE CITY OF LOS ANGELES
 DEPARTMENT OF RECREATION AND PARKS
 SUPERINTENDENT: CATHIE SANTO DOMINGO
 GENERAL MANAGER: MICHAEL SHULL
 PROJECT LANDSCAPE ARCHITECT:
 PROJECT ENGINEER:
 AS SHEETS DRAWN BY:



PROJECT NAME:
**WEST LAKESIDE STREET
 PARK**
 ADDRESS:
 15275 W. LAKESIDE STREET
 LOS ANGELES, CA 91342

REVISIONS:	DATE:

PLAN NAME:
**PARCEL
 MAPS**

DRAWN BY: MWL
 APPROVED BY:
 SCALE: 1-22-2018
 W.O. NO. FILE NO.

DRAWING NO.
TS-2
 SHEET 2 OF 43 SHEETS

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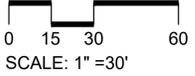


LEGEND:

— — — — — ACCESSIBLE PATH OF TRAVEL

ACCESSIBLE PATH OF TRAVEL AS INDICATED ON PLAN IS A BARRIER FREE ACCESS ROUTE WITHOUT ANY ABRUPT LEVEL CHANGES EXCEEDING 1/2" IF BEVEL AT 1:2 MAX. SLOPE, OR VERTICAL LEVEL CHANGES NOT EXCEEDING 1/4" AND AT LEAST 48" IN WIDTH. THE SURFACES IS STABLE, FIRM AND SLIP-RESISTANT. CROSS SLOPE DOES NOT EXCEED 2% AND SLOPE IN THE DIRECTION OF TRAVEL SHALL NOT EXCEED 5%, UNLESS OTHERWISE INDICATED.

ACCESSIBLE PATH OF TRAVEL SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 84" MINIMUM AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTING FROM WALL AND ABOVE 27" AND LESS THAN 84".



PARK PROUD LA

THE CITY OF LOS ANGELES
DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: MICHAEL SHULL
PROJECT LANDSCAPE ARCHITECT:
PROJECT ENGINEER:
SUPERINTENDENT: CATHE SANTO DOMINGO
LIC. NO. _____
LIC. NO. _____
DATE: _____



PROJECT NAME:
**WEST LAKESIDE STREET
PARK**
ADDRESS:
**15275 W. LAKESIDE STREET
LOS ANGELES, CA 91342**

REVISIONS:	DATE:
△	
△	
△	
△	
△	

PLAN NAME:
**ACCESSIBLE
PATH OF
TRAVEL PLAN**

DRAWN BY: MWL	APPROVED BY:
SCALE: AS SHOWN	ISSUE DATE: 1-22-2018
W.O. NO.	FILE NO.

DRAWING NO.
A-1.00
SHEET 3 OF 43 SHEETS

GENERAL PROJECT INFORMATION

PLAN CHECK NO. JOB ADDRESS CITY ZIP REVIEWED BY PHONE DATE

NOTE: Code references are to the 2014 edition of the City of Los Angeles Building Code with July 1, 2015 Supplement

INSTRUCTIONS

- Corrections with identified item numbers apply to this plan check. Incorporate all comments as marked on checked set of plans, calculations, and this correction sheet.

The State of California delegates to the local jurisdiction the authority to ensure compliance with Title 24, Part 2 of the California Code of Regulations. This correction list indicates specific areas of Title 24, Part 2 which are applicable to your project.

SUPPLEMENTAL CORRECTION SHEETS:

- Check list No. 1 - Elevators, LULAs & Platform Lifts
Check list No. 2 - Signs
Check list No. 3 - Restaurant
Check list No. 4 - Assembly
Check list No. 5 - Group B and Group M Occ.

- 5. In choosing which accessible elements to provide, priority should be given to those elements that will provide the greatest access in the following order: (1) an accessible entrance; (2) an accessible route to the altered area; (3) at least one accessible restroom for each sex or a single accessible unisex restroom; (4) accessible telephones; (5) accessible drinking fountains; and (6) when possible, additional accessible elements such as parking, signs, storage and alarms.
6. Alterations to a qualified historic building or facility shall comply with Chapter 11B unless it will threaten or destroy the historical significance or character-defining features of the building or property.

- 16. Vertical clearance shall be at least 80 inches high on circulation paths except at the restrooms and door stops, which may be 75 inches minimum above the finish floor or ground.
17. Guardrails or other barriers with a leading edge located 27 inches maximum above the finish floor or ground shall be provided where the vertical clearance on circulation paths is less than 80 inches high.
18. Where a guy support is used within either the width of a circulation path or 24 inches maximum outside of a circulation path, a vertical guy brace, sidewalk guy or similar device shall be used to prevent a hazard or an overhead obstruction.

- 10. Similar purposes, except as permitted by Chapter 11B-206.3.
EMPLOYEE WORKSTATIONS
8. Employee workstations shall be on an accessible route complying with Division 4. Spaces and elements within employee workstations shall only be required to comply with Sections 11B-207.1, 11B-215.3, 11B-302, 11B-303, and 11B-404.2.3.
DETECTABLE WARNINGS AND DETECTABLE DIRECTIONAL TEXTURE
9. Curb ramps shall have detectable warnings that extend 36 inches in the direction of travel for the full width of the ramp run less than 2 inches maximum on each side, excluding any flared sides.

- platform lifts.
23. The running slope of walking surfaces shall not be steeper than 1:20 (5%). The cross slope of walking surfaces shall not be steeper than 1:48 (2.083%).
24. Except at turns or passing spaces, the clear width of walking surfaces shall be 36 inches minimum.
25. The clear width for walking surfaces in corridors serving an occupant load of 10 or more shall be 44 inches minimum.
26. The clear width for sidewalks and walks shall be 48 inches minimum.
27. The clear width for aisles shall be 36 inches minimum if serving elements on only one side, and 44 inches minimum if serving elements on both sides.

- 26. Top of gripping surfaces of handrails shall be 4 inches minimum and 38 inches maximum vertically above walking surfaces, stair nosings, and ramp surfaces.
27. A stair is defined as a change in elevation, consisting of one or more risers.
28. All steps on a flight of stairs shall have uniform riser heights and uniform tread depths.
29. Clearance between handrail gripping surfaces and adjacent surfaces shall be 1/4 inches minimum.
30. Handrails shall be located in a recess if the recess is 3 inches maximum deep and 18 inches minimum clear above the top of the handrail.

- 72. A stair is defined as a change in elevation, consisting of one or more risers.
73. All steps on a flight of stairs shall have uniform riser heights and uniform tread depths.
74. Open risers are not permitted.
75. Interior stairs shall have the upper approach and lower tread marked by a stripe providing clear visual contrast.
76. The radius of curvature at the leading edge of the tread shall be 1/2 inch maximum.
77. Stairs shall have handrails complying with Section 11B-505 Handrails.

- inches wide minimum. Where curb ramps are provided, they shall comply with 11B-406 Curb Ramps, Blended Transitions and Islands.
82. The running slope of the curb ramp segments shall be in-line with the direction of sidewalk travel.
83. A turning space 48 inches minimum by 48 inches minimum shall be provided at the bottom of the curb ramp.
84. Blended transition ramps shall have a running slope not steeper than 1:20 (5%).
85. Curb ramps and the flared sides of curb ramps shall be located so that they do not project into vehicular traffic lanes, parking spaces, or parking access aisles.



PARK PROUD LA

THE CITY OF LOS ANGELES DEPARTMENT OF RECREATION AND PARKS SUPERINTENDENT: CATHIE SANTO DOMINGO GENERAL MANAGER: MICHAEL SHULL

PROJECT MANAGERS: PROJECT MANAGER: PROJECT MANAGER: PROJECT MANAGER:

PROJECT NAME: WEST LAKESIDE STREET PARK ADDRESS: 15275 W. LAKESIDE STREET LOS ANGELES, CA 91342

Table with 2 columns: REVISIONS, DATE. Contains 5 empty rows for tracking changes.

PLAN NAME: COMMERCIAL ACCESSIBILITY PLAN CHECK NOTES

DRAWN BY: MWL APPROVED BY: SCALE: AS SHOWN ISSUE DATE: 1-22-2018 W.O. NO. FILE NO.

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

- 21. A parking space identification sign shall be visible from each parking space. Signs shall be permanently posted either immediately adjacent to the parking space or within the projected parking space width at the head end of the parking space. Signs may also be permanently posted on a wall at the interior end of the parking space. §11B-502.6.3
22. Each accessible car and van space shall have surface identification complying with either of the following schemes: §11B-502.6.4
a. The parking space shall be marked with an International Symbol of Accessibility complying with Section 11B-703.7.2.1 International Symbol of Accessibility in white on a blue background a minimum 36 inches wide by 36 inches high. The centerline of the International Symbol of Accessibility shall be a maximum of 6 inches from the centerline of the parking space, its sides parallel to the length of the parking space and its lower corner at, or lower side aligned with, the end of the parking space length. §11B-502.6.4.1
b. The parking space shall be outlined or painted blue and shall be marked with an International Symbol of Accessibility complying with Section 11B-703.7.2.1 International Symbol of Accessibility a minimum 36 inches wide by 36 inches high in white or a suitable contrasting color. The centerline of the International Symbol of Accessibility shall be a maximum of 6 inches from the centerline of the parking space, its sides parallel to the length of the parking space and its lower corner at, or lower side aligned with, the end of the parking space. §11B-502.6.4.2
23. An additional sign shall be posted either: 1) in a conspicuous place at each entrance to an off-street parking facility or 2) immediately adjacent to on-site accessible parking and visible from each parking space. §11B-502.8
a. The additional sign shall not be less than 17 inches wide by 22 inches high. §11B-502.8.1
b. The additional sign shall clearly state in letters with a minimum height of 1 inch the following: §11B-502.8.2
"Unauthorized vehicles parked in designated accessible spaces not displaying distinguishing placards or special license plates issued for persons with disabilities will be towed away at the owner's expense. Towed vehicles may be reclaimed at: _____ or by telephoning _____."
Blank spaces shall be filled in with appropriate information as a permanent part of the sign.
24. Signs intended for use by pedestrians within parking facilities, including directional or informational signs

- 33. Each passenger-loading zone designated for persons with disabilities shall be identified with a reflectorized sign complying with Section 11B-703.5 Visual Characters. It shall be permanently posted immediately adjacent to and visible from the passenger-loading zone slating "Passenger Loading Zone Only" and including the International Symbol of Accessibility (ISA) complying with Section 11B-703.7.2.1 ISA. §11B-503.6
E. PLUMBING FIXTURES AND FACILITIES
DRINKING FOUNTAINS
1. No fewer than two drinking fountains shall be provided. When provided, one drinking fountain shall comply with 11B-602.1 through 11B-602.6, 11B-602.8 and 11B-602.9 and one drinking fountain shall comply with 11B-602.7 and 11B-602.9. (See exception)
2. Where more than the minimum number of drinking fountains specified in 11B-211.2 are provided, 50 percent of the total number of drinking fountains provided shall comply with 11B-602.1 through 11B-602.6, 11B-602.8, 11B-602.9 and 11B-602.9 and 50 percent of the total number of drinking fountains provided shall comply with 11B-602.7 and 11B-602.9. §11B-211.3 (See exception)
3. Drinking fountains shall comply with Sections 11B-307 Protruding Objects and 11B-602 General Requirements. §11B-602.1
4. Units shall have a clear floor or ground space complying with Section 11B-305 Clear Floor or Ground Space positioned for a forward approach and centered on the unit. Knees and toe clearance complying with Section 11B-306 Knee and Toe Clearance shall be provided. §11B-602.2
5. Where drinking fountains are used by children, a parallel approach complying with Section 11B-305 Clear Floor or Ground Surfaces shall be permitted at units where the spout is 30 inches maximum above the finish floor or ground and is 3 1/2" maximum from the front edge of the unit, including bumpers. §11B-602.2 (See exception)
6. Spout outlets shall be 36 inches maximum above the finish floor or ground. §11B-602.4
7. The spout shall be located 15 inches minimum from the vertical support and 5 inches maximum from the front edge of the unit, including bumpers. §11B-602.5
8. The spout shall provide a flow of water 4 inches high minimum and shall be located 5 inches maximum from the front of the unit. The angle of the water stream shall be measured horizontally relative to the front face of the unit. Where spouts are located less than 3 inches from the front of the unit, the angle of the water stream shall be 30 degrees maximum. Where spouts are located between 3 inches and 5 inches maximum from the front of the unit, the angle of the water stream shall be 15 degrees maximum. §11B-602.6
9. Spout outlets of drinking fountains for standing persons shall be 38 inches minimum and 43 inches maximum above the finish floor or ground. §11B-602.7
10. Wall and post-mounted cantilevered drinking fountains shall be 18 inches minimum and 19 inches maximum in depth. §11B-602.8
11. All drinking fountains shall either be located completely within alcoves, positioned completely between wing walls, or otherwise positioned so as not to encroach into pedestrian ways. The protected area within such a drinking fountain shall be 32 inches wide minimum and 18 inches deep minimum, and shall comply with Section 11B-305.7 Maneuvering Clearance. When used, wing walls or barriers shall protect horizontally at least as far as the drinking fountain and to within 6 inches vertically from the floor or ground surface. §11B-602.9
TOILET AND BATHING ROOM CLEARANCES
12. Where toilet facilities and bathing facilities are provided, they shall comply with 11B-213 Toilet Facilities and Bathing Facilities. Where toilet facilities and bathing facilities are provided in facilities permitted by 11B-206.2.3 Multi-Story Buildings and Facilities Exemptions 1 and 2 not to connect stories by an accessible route, toilet facilities and bathing facilities shall be provided on a story connected by an accessible route to an accessible entrance. §11B-213.1
13. Where separate toilet facilities are provided for the exclusive use of separate user groups, the toilet facilities serving each user group shall comply with 11B-213 Toilet Facilities and Bathing Facilities. §11B-213.1.1
14. Where toilet rooms are provided, each toilet room shall comply with 11B-603 Toilet and Bathing Rooms. Where bathing rooms are provided, each bathing room shall comply with 11B-603 Toilet and Bathing Rooms. §11B-213.2 (See exception)
15. Unisex toilet rooms shall contain not more than one lavatory, and not more than two water closets without urinals or one water closet and one unisex. Unisex bathing rooms shall contain one shower or one shower and one bathtub, one lavatory, and one water closet. Doors to unisex toilet rooms and unisex bathing rooms shall have privacy latches. §11B-213.3
16. Door shall not swing into the clear floor space or clearance required for any fixture. Other than the door to the accessible water closet compartment, a door in any public area shall be 36 inches minimum and 18 inches maximum from the side wall or partition, except that the water closet shall be 17 inches minimum and 19 inches maximum from the side wall or partition in the ambulatory accessible toilet compartment specified in Section 11B-604.8.2 Ambulatory Accessible Compartments. Water closets shall be arranged for a left-hand or right-hand approach. §11B-604.2

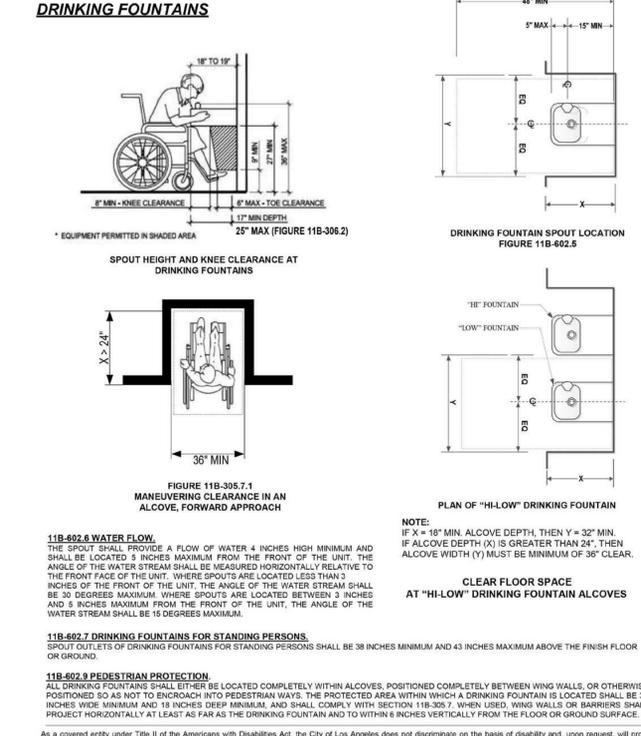
- 18. Mirrors located above the lavatories or countertops shall be installed within the bottom edge of the reflecting surface 40 inches maximum above the finish floor or ground. Mirrors not located above the lavatories or countertops shall be installed with the bottom edge of the reflecting surface 35 inches maximum above the finish floor or ground. §11B-603.3
19. Coat hooks shall be located within one of the reach ranges specified in Section 11B-308. Shelves shall be located 40 inches minimum and 48 inches maximum above the finish floor. Medicine cabinets shall be located with a usable shelf no higher than 44 inches maximum above the finish floor. §11B-603.4
20. Where towel or sanitary napkin dispensers, waste receptacles, or other accessories are provided in toilet facilities, at least one of each type shall be located on an accessible route. All operable parts, including coin slots, shall be 40 inches maximum above the finish floor. Baby changing stations are not required to comply with Section 11B-603.5 (See exception) §11B-603.5
21. Bathrooms shall comply with section 11B-607 including the requirements for clearances, grab bars, seats, controls, shower spray unit and water and bathtub enclosures.
22. Shower compartments shall comply with section 11B-608 including the requirements for clearances, grab bars, seats, controls, shower spray unit and water, thresholds, shower enclosures, shower floor or ground surface and soap dish.
WATER CLOSETS AND TOILET COMPARTMENTS
23. Where toilet compartments are provided, at least 5 percent but no fewer than one toilet compartment shall comply with Section 11B-604.8.1. In addition to the compartments required to comply with 11B-604.8.1, where six or more toilet compartments are provided, or where the combination of urinals and water closets totals six or more fixtures, toilet compartments complying with Section 11B-604.8.2 shall be provided in the same quantity as the toilet compartments required to comply with Section 11B-604.8.1 §11B-213.3.1
24. Where water closets are provided, at least 5 percent but no fewer than one shall comply with Section 11B-604.8.1.1. §11B-213.3.2
25. The water closet shall be positioned with a wall or partition to the rear and to one side. The centerline of the water closet shall be 17 inches minimum to 18 inches maximum from the side wall or partition, except that the water closet shall be 17 inches minimum and 19 inches maximum from the side wall or partition in the ambulatory accessible toilet compartment specified in Section 11B-604.8.2 Ambulatory Accessible Compartments. Water closets shall be arranged for a left-hand or right-hand approach. §11B-604.2
26. Clearance around a water closet shall be 60 inches minimum measured perpendicular from the sidewall and 55 inches minimum measured perpendicular from the rear wall. A minimum 60 inches wide and 48 inches deep maneuvering space shall be provided in front of the water closet. §11B-604.3.1
27. The seat height of a water closet above the finish floor shall be 17 inches minimum and 19 inches maximum measured to the top of the seat. Seats shall not be sprung the return to a lifted position. Seats shall be 2 inches high maximum and a 3-inch high seat shall be permitted only in alterations where the existing fixture is less than 15 inches high. §11B-604.4 (See exception for Residential Units)
28. The sidewall grab bars shall be 42 inches long minimum, located 12 inches maximum from the rear wall and extending 54 inches minimum from the rear wall with the front end positioned 24 inches minimum in front of the water closet. §11B-604.5.1
29. The rear grab bar shall be 36 inches long minimum and extend from the centerline of the water closet 12 inches minimum on one side and 24 inches minimum on the other side. §11B-604.5.2 (See exception)
30. Flush controls shall be hand operated or automatic. Hand operated flush controls shall comply with Section 11B-309.4 Operation except they shall be located 44 inches maximum above the floor. Flush controls shall be located on the open side of the water closet except in ambulatory accessible compartments complying with Section 11B-604.8.2 Ambulatory Accessible Compartments. §11B-604.6
31. Toilet paper dispensers shall comply with Section 11B-309.4 Operation and shall be 7 inches minimum and 9 inches maximum in front of the water closet measured to the centerline of the dispenser. The outlet of the dispenser shall be below the grab bar, 19 inches minimum above the finish floor and shall not be located behind the grab bars. Dispensers shall not be of a type that control delivery or that does not allow continuous paper flow. §11B-604.7
32. Wheelchair accessible toilet compartments shall meet the requirements of Sections 11B-604.8.1 Wheelchair Accessible Compartments and 11B-604.8.3 Coat Hooks and Shelves. Compartments containing more than one plumbing fixture shall comply with Section 11B-603 Toilet and Bathing Rooms. Ambulatory accessible compartments shall comply with Sections 11B-604.8.2 Ambulatory Accessible Compartments and 11B-604.8.3 Coat Hooks and Shelves. §11B-604.8
33. In a wheelchair accessible compartment with an in-swinging door, a minimum 60 inches wide by 36 inches deep maneuvering space shall be provided in front of the clearance required in Section 11B-604.8.1.1 Wheelchair Accessible Compartment Size. §11B-604.8.1.1(b), Figures 11B-604.8.1.1(b) and 11B-604.8.1.1.3(b)

- 34. In a wheelchair accessible compartment with a door located in the side wall or partition, either in-swinging or out-swinging, a minimum 60 inches wide and 60 inches deep maneuvering space shall be provided in front of the water closet. §11B-604.8.1.1.2 Figure 11B-604.8.1.1.2
35. In a wheelchair accessible compartment with end-opening door located in the front wall or partition (facing the ramp space) and either in-swinging or out-swinging, a minimum 60 inches wide and 48 inches deep maneuvering space shall be provided in front of the water closet. §11B-604.8.1.1.3 Figure 11B-604.8.1.1.3
36. Toilet compartment doors, including door hardware, shall comply with Section 11B-404 Doors, Doorways, and Gates except that if the approach is from the push side of the compartment door, clearance between the door side of the compartment and any obstruction shall be 48 inches minimum measured perpendicular to the compartment door in its closed position. Door shall be located in front partition or in the side wall or partition farthest from the water closet. §11B-604.8.1.2
37. Where toilet compartment doors are located in the front partition, the door opening shall be 4 inches maximum from the sidewall or partition farthest from the water closet. Where located in the sidewall or partition, the door opening shall be 4 inches maximum from the front partition and the door shall be self-closing. §11B-604.8.1.2
38. A door pull complying with Section 11B-404.2.7 Door and Gate Hardware shall be placed on both sides of the door near the latch. Door shall not swing into the clear floor space or clearance required for any fixture. Doors may swing into that portion of the maneuvering space which does not overlap the clearance required at a water closet. §11B-604.8.1.2 (See exception)
39. At least one side partition shall provide a toe clearance of 9 inches minimum above the finish floor and 6 inches deep minimum beyond the compartment-side face of the partition, exclusive of partition support members. Partition components at toe clearances shall be smooth without sharp edges or abrasive surfaces. Compartments for children's use shall provide a toe clearance of 12 inches minimum above the finish floor. §11B-604.8.1.4
40. Ambulatory accessible compartments shall have a depth of 35 inches minimum and 37 inches maximum. §11B-604.8.2.1
41. Water closets and toilet compartments for children's use shall comply with Section 11B-604.9 Water Closets and Toilet Compartments for Children's Use and follow suggested dimensions on Table 11B-604.9. §11B-604.9
42. Where urinals are provided, at least 10 percent but no fewer than one shall comply with Section 11B-605. §11B-213.3.3.
43. Urinals shall be the stall-type or the wall-hung type with the rim 17 inches maximum above the finish floor or ground. Urinals shall be 13 1/2 inches deep minimum measured from the outer face of the urinal rim to the back of the fixture. §11B-605.2
44. Flush controls shall be hand operated or automatic. Hand operated flush controls shall comply with Section 11B-309 Operable Parts except that the flush control shall be mounted at a maximum height of 44 inches above the finish floor. §11B-605.4
45. Where lavatories are provided, at least 10 percent but no fewer than one shall comply with Section 11B-606 and shall not be located in a toilet compartment. §11B-213.3.4, §11B-606.1.
46. For lavatories and sinks, a clear floor space complying with Section 11B-305 Clear Floor or Ground Surfaces, positioned for a forward approach, and knee and toe clearance complying with Section 11B-306 Knee and Toe Clearance shall be provided. §11B-606.2
47. Lavatories and sinks shall be installed with the front of the higher of the rim or counter surface 34 inches maximum above the finish floor or ground. §11B-606.3
SIGNS RELATED TO TOILETS AND BATHING FACILITIES
48. Entrances leading to toilet rooms and bathing rooms complying with 11B-603 Toilet and Bathing Rooms shall be identified by a geometric symbol complying with 11B-703.7.2.6 Toilet and Bathing Room Geometric Symbols. Where existing toilet rooms or bathing rooms do not comply with 11B-603 Toilet and Bathing Rooms, directional signs indicating the location of the nearest compliant toilet room or bathing room within the facility shall be provided. Signs shall comply with 11B-703.5 Visual Characters and shall include the International Symbol of Accessibility complying with 11B-703.7.2.1 ISA. Where existing toilet rooms or bathing rooms do not comply with 11B-603 Toilet and Bathing Rooms, the toilet rooms or bathing rooms complying with 11B-603 Toilet and Bathing Rooms shall be identified by the International Symbol of Accessibility complying with 11B-703.7.2.1 ISA. Where clustered single user toilet rooms or bathing facilities are permitted to use exceptions to 11B-213.2 Toilet and Bathing Rooms, toilet rooms or bathing facilities complying with 11B-603 Toilet and Bathing Rooms shall be identified by the International Symbol of Accessibility complying with 11B-703.7.2.1 ISA unless all toilet rooms and bathing facilities comply with 11B-603 Toilet and Bathing Rooms. Existing buildings that have been remodeled to provide specific toilet rooms or bathing rooms for public use that comply with these building standards shall have the location of and the directions to these rooms posted in or near the building lobby or entrance on a sign complying with 11B-703.5 Visual Characters, including the International Symbol

- Accessibility complying with 11B-703.7.2.1 ISA. §11B-216.8
49. Pictograms shall comply with the following:
a. Pictograms shall have a field height of 6 inches minimum. Characters and Braille shall not be located in the pictogram field. §11B-703.6.1
b. Pictograms and their field shall have a non-glare finish. Pictograms shall contrast with their field with either a light pictogram on a dark field or a dark pictogram on a light field. §11B-703.6.2
c. Pictograms shall have text descriptors located directly below the pictogram. Text descriptors shall comply with 11B-703.2 Raised Characters, 11B-703.3 Braille and 11B-703.4 Installation Height and Location. §11B-703.6.3
d. The installation height and location of Pictogram signs shall be per §11B-703.4.1.
50. Symbols shall comply with the following:
a. Doorways leading to toilet rooms and bathing rooms shall be identified by a geometric symbol complying with 11B-703.7.2.6 Toilet and Bathing Facilities Geometric Symbols. The symbol shall be mounted at 59 inches minimum and 60 inches maximum above the finish floor or ground surface measured from the centerline of the door. Where a door is provided the symbol shall be mounted within 1 inch of the vertical centerline of the door. §11B-703.7.2.6 (See exception)
b. Men's toilet and bathing facilities shall be identified by an equilateral triangle, 1/4 inch thick with edges 12 inches long and a vertex pointing upward. The triangle symbol shall contrast with the door, either light on a dark background or dark on a light background. §11B-703.7.2.6.1
c. Women's toilet and bathing facilities shall be identified by a circle, 1/4 inch thick and 12 inches in diameter. The circle symbol shall contrast with the door, either light on a dark background or dark on a light background. §11B-703.7.2.6.2
d. Unisex toilet and bathing facilities shall be identified by a circle, 1/4 inch thick and 12 inches in diameter with a 1/4 inch thick triangle with a vertex pointing upward superimposed on the circle and within the 12-inch diameter. The triangle symbol shall contrast with the circle symbol, either light on a dark background or dark on a light background. §11B-703.7.2.6.3
WASHING MACHINE AND CLOTHES DRYERS
51. Washing machines and clothes dryer's operable parts must comply with Section 11B-309 Operable Parts. §11B-611.3
52. Top loading machines shall have the door to the laundry compartment located 36 inches maximum above the finish floor. Front loading machines shall have the bottom of the opening to the laundry compartment located 15 inches minm and 36 inches maximum above the finish floor. §11B-611.4
F. COMMUNICATION ELEMENTS AND FEATURES
FIRE ALARM SYSTEMS
1. Where fire alarm systems and carbon monoxide alarm systems provide audible alarm coverage, alarms shall comply with 11B-215 Fire Alarm Systems. §11B-215.1 (See exception)
2. Alarms in public use areas and common use areas shall comply with 702 Chapter 9, Section 907.5.2.3.1. §11B-215.2
3. Where employee work areas have audible alarm coverage, the wiring system shall be designed so that visible alarms complying with 702 Chapter 9, Section 907.5.2.3.2 can be integrated into the alarm system. §11B-215.3
4. Fire alarm systems shall have permanently installed audible and visible alarms complying with NFPA 72 (1999 or 2002 edition) (incorporated by reference, see "Referenced Standards" in Chapter 1), except that the maximum allowable sound level of audible notification appliances complying with section 4-3.2.1 of NFPA 72 (1999 edition) shall have a sound level no more than 110 dB at the minimum hearing distance from the audible appliance. In addition, alarms in guest rooms required to provide communication features shall comply with sections 4-3 and 4-4 of NFPA 72 (1999 edition) or sections 7.4 and 7.5 of NFPA 72 (2002 edition), and Chapter 9, Sections 907.5.2.1 and 907.5.2.3. §11B-215.1
ASSISTIVE LISTENING SYSTEMS
5. Assistive listening systems shall be provided in assembly areas, including conference and meeting rooms, used for the purpose of entertainment, educational or civic gatherings, or similar purposes. §202, §11B-219.2
Note: Assembly areas include, but are not limited to, classrooms, lecture halls, courtrooms, public meeting rooms, public hearing rooms, legislative chambers, motion picture houses, auditoria, theaters, playhouses, dinner theaters, concert halls, centers for the performing arts, amphitheaters, arenas, stadiums, grandstands, or convention centers. §202, §11B-219.2
6. Assistive listening system shall provide an amplification system utilizing transmitters, receivers, and coupling devices to bypass the acoustical space between a sound source and a listener by means of induction loop, radio frequency, infrared, or direct-wired equipment. §202
7. Provide () assistive listening systems. A minimum number of receivers equal to 4 percent of the total number of seats, but in no case less than two. §11B-219.3
8. Where a building contains more than one assembly area under one management, the total number of required receivers may be calculated using the total number of seats in the assembly areas provided that all receivers are usable with all systems. §11B-219.3 (See exception)
9. Twenty-five percent minimum of receivers provided for assistive listening systems, but no fewer than two, shall be hearing-aid compatible with except when all seats in an assembly area are served by means of an induction loop. §11B-219.3
10. When assistive-listening systems are limited to specific areas or seats, such areas or seats shall be within a 50-foot viewing distance of the stage or playing area and shall have a complete view of the stage or playing area. §11B-219.4
11. Permanently installed assistive-listening systems are required in areas if (1) they have fixed seating and (2a) they accommodate at least 50 persons or (2b) they have audio-amplification systems, except those used exclusively for paging and/or background music. §11B-219.2, §11B-219.5
12. Portable assistive-listening systems may serve more than one conference or meeting rooms if an adequate number of electrical outlets or other supplementary wiring is provided and permanently installed systems are not required. §11B-219.5
13. Receivers required for use with an assistive listening system shall include a 1/8 inch standard mono jack. §11B-706.2
14. Receivers required to be hearing aid compatible shall interface with telecoils in hearing aids through the provision of neck loops. §11B-706.3
15. Assistive listening systems shall be capable of providing a sound pressure level from 110 - 118 dB with a dynamic range on the volume control of 50 dB. §11B-706.4
16. Signal-to-noise ratio for internally generated noise in assistive listening systems shall be 18 dB minimum. §11B-706.5
17. Peak clipping shall not exceed 18 dB of clipping relative to the peaks of speech. §11B-706.6
TWO-WAY COMMUNICATION SYSTEMS

- 18. Two-way communication systems that are provided to gain admittance to a building or facility or to restricted areas within a building or facility shall provide both audible and visual signals. Handset cords, if provided, shall be 29 inches long minimum. §11B-230.1, §11B-708
19. Common use or public use system interface of communications systems between a residential dwelling unit and a site, building, or floor entrance shall include the capability of supporting voice and TTY communication with the residential dwelling unit interface. §11B-708.4.1
20. Residential dwelling unit system interface of communications systems between a residential dwelling unit and a site, building, or floor entrance shall include a telephone jack capable of supporting voice and TTY communication with the common use or public use system interface. §11B-708.4.2
TELEPHONES
21. Where coin-operated public pay telephones, coin less public pay telephones, public closed-circuit telephones, public courtesy phones, or other types of public telephones are provided, public telephones shall be provided in accordance with 11B-217 Telephones for each type of public telephone provided. For purposes of this section, a bank of telephones shall be considered to be two or more adjacent telephones. §11B-217.1
22. Except drive-up only public telephones, where public telephones are provided, wheelchair accessible telephones complying with 11B-704.2 shall be provided in accordance with Table 11B-217.2. §11B-217.2
23. Provide () wheelchair accessible telephones in accordance with Table 11B-217.2.
24. All public telephones shall have volume controls complying with 11B-704.3. §11B-217.3
25. TTYs complying with 11B-704.4 shall be provided in accordance with 11B-217.4.
26. Where a bank of telephones in the interior of a building consists of three or more public pay telephones, at least one public pay telephone at the bank shall be provided with a shelf and an electrical outlet in accordance with 11B-704.5. §11B-217.5 (See exception)
G. SPECIAL ROOMS, SPACES, AND ELEMENTS
KITCHENS, KITCHENETTES AND WET BARS
1. Sinks shall comply with 11B-606 Lavatories and Sinks. §11B-804.4

- ADDITIONAL COMMENTS



PARK PROUD LA

THE CITY OF LOS ANGELES DEPARTMENT OF RECREATION AND PARKS
SUPERINTENDENT: CATHIE SANTO DOMINGO
GENERAL MANAGER: MICHAEL SHULL
PROJECT MANAGER: KATHLEEN BARNETT
PROJECT ENGINEER: _____
DATE: _____

WEST LAKESIDE STREET PARK
15275 W. LAKESIDE STREET
LOS ANGELES, CA 91342

Table with 2 columns: REVISIONS, DATE. Contains revision symbols (triangles) and empty cells for recording changes.

PLAN NAME: COMMERCIAL ACCESSIBILITY PLAN CHECK NOTES

DRAWN BY: MWL APPROVED BY: _____
SCALE: AS SHOWN ISSUE DATE: 1-22-2018
W.O. NO. FILE NO.
DRAWING NO. A-1.02
SHEET 5 OF 43 SHEETS

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

GENERAL

Division 1, General Provisions for the Department of Recreation and Parks; the Standard Specifications for Public Works Construction, hereinafter referred to as SSPWC, latest edition with the current yearly supplements; and the 2002 Edition of the Additions and Amendments to the SSPWC, shall be made a part of these plans. Website: http://eng.lacity.org/techdocs/stdplans/s-600/s61028.pdf. Where conflicts occur between Division 1, General Provisions for the Department of Recreation and Parks and the Standard Specifications for Public Works Construction, Division 1 of the Department of Recreation and Parks shall take precedence. Where conflicts occur between this Notice To Contractors (NTC) and the SSPWC this NTC shall take precedence. Subsections included within this NTC 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. This improvement consists only of work called for on these plans. The Contractor shall maintain adequate sanitary facilities on the jobsite from the beginning to end of grading operations. Underground structures: the location of existing underground structures, utilities, and pipelines as shown on the plans have been located from the best available records and have not been verified in the field. It shall be the contractor's responsibility to verify the locations of said structures and lines even if not shown on the plans and to take all necessary precautions to prevent damage to the same. Straight grades shall be run between contours and/or spot elevations shown unless otherwise indicated. Should conflicting and/or erroneous information be found on the drawings, the Contractor shall notify the Landscape Architect prior to commencement of work. It shall be the responsibility of the Contractor to provide adequate supports for all excavations where necessary to protect personnel and property from any damage that might occur as a result of the collapse of excavation. The Contractor shall maintain current Cal OSHA permits as required and a copy of said permit shall be posted at the project. The Contractor shall provide access control for pedestrians and vehicles for entire project from the beginning to end of grading operations. The Contractor shall keep the construction area sufficiently demarcated to control dust caused by grading and construction. Contractor shall, at all times, provide reasonable control of dust caused by wind. The Contractor shall control noise resulting from repair of heavy equipment after normal working hours by locating such activities as far as practicable from adjacent inhabited areas and so that such activities do not constitute a public nuisance or disturb the peace. Heavy equipment shall be kept in good operating condition and muffled as required by law.

PLANS AND SPECIFICATIONS

The Contractor/RAP Staff shall be responsible for:

To get the necessary approval, sign offs and authorization from the project landscape architect, as indicated on the plans, prior to proceeding to the next project phase. All approvals and submittals shall be transmitted to the Recreation and Parks Advance Planning project landscape architect.

Indicates required field inspections with the Department of Recreation and Parks Project Landscape Architect. Notify all party's three (3) days prior to the required inspection.

SCHEDULE OF WORK

The Contractor/Rap Construction staff shall submit a Schedule of Work for approval to the Department of Recreation and Parks Project Landscape Architect prior to the commencement of work. The Contractor/Rap Construction staff shall schedule all work on weekdays (excluding Saturday, Sunday and City holidays) between the hours of 7:00 a.m. and 4:00 p.m. The work area shall be as defined on the Title Sheet, or as indicated on the Plans by means of a contract limit line.

INSPECTIONS

All work and materials are subject to inspection and approval by Department of Recreation and Parks. 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 Department of Recreation and Parks 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 on the plans, or provided in grade sheet form, and submitted to the Department of Recreation and Parks for approval prior to the inspection.
2.FINISH GRADE REVIEW: For all finish grades in planting areas following rolling and prior to turf or landscape planting.
3.PRE-FINAL INSPECTION (refer also to Section 42 of Division 1, General Provisions): A minimum of two weeks before the Final Inspection, Recreation and Parks shall hold a Pre-final Inspection. The Pre-Final Inspection shall be attended by the Department of Recreation and Parks, the Contractor, and invited parties associated with the project. At this time, a list of items requiring correction or completion before the Final Inspection will be compiled. The following items shall be delivered to the appropriate Department of Recreation and Parks personnel: manufacturers' data, manuals, operating instructions, and keys, as required in Section 38 of Division 1, General Provisions.
4.CONTRACT FINAL INSPECTION (refer also to Section 43 of Division 1, General Provisions): Approximately seven (7) days prior to completion of the Work, the Contractor shall first notify the Department of Recreation and Parks that he desires a Final Inspection of the Project. During this inspection, the Inspector, the Department of Recreation and Parks, the Contractor and other parties concerned with the project and requirements of the Work will compile a Final Inspection Correction List incorporating all items of work and corrections required to complete the Project. This list must be completed with thirty (30) days of the Final Inspection, or a new Final Inspection and Correction List shall be required.

MATERIALS SUBMITTAL

The Contractor shall submit a minimum of six copies of the Materials List to the Department of Recreation and Parks project landscape architect within ten days of receiving the Notice to Proceed. All submittals shall be sent to the Department of Recreation and Parks Project Landscape Architect at the same time as one submittal package. Any materials substituted for originally specified materials that have been rejected by Recreation and Parks shall have an alternate item resubmitted for approval within one week of the Contractor receiving the notice of rejection.

RECORD DRAWINGS (AS-BUILTS) SUBMITTALS

Record drawings shall reflect any changes made to the plans or specifications during the progress of the work as a result of addenda, change orders or adjustments due to field conditions or plan clarification. They shall also indicate any additional information discovered during the progress of construction that was not a part of the contract documents. All deviations from the specified depth at which materials are constructed shall be shown on the record drawings. Record all appropriate as-built information on the record drawings in red ink. As-built information shall include but not be limited to drain lines, valve locations, mainline locations and mainline wire installed separately from mainline. The record of each trade shall be made on the plan sheets for each trade as provided in the original plan set. The Contractor/RAP Construction Staff shall be responsible for coordinating all sub-Contractors work and shall produce a complete record of all installations, which shall be kept on the job site and updated daily during construction. At the completion of the Work and prior to final inspection, the Contractor shall submit signed "as-built" blue-line prints to the Department of Recreation and Parks at the Operational Final Inspection, prior to the City's acceptance of the Contract Work, (per Section 39 of Division 1 of the General Provisions).

DEPARTMENT OF PUBLIC WORKS STANDARD PLANS

The following Department of Public Works Standard Plans are to be included as a part of these plans: (If needed for work within ROW and any 'A' or 'B' permit work)

SSPWC 2002 Edition of the Additions and Amendments to the SSPWC website: http://eng.lacity.org/techdocs/stdplans/s-600/s61028.pdf

LAYOUT OF WORK, GRADE SHEET APPROVAL

Grade stakes shall be a minimum size of 1" x 2" and shall be driven a minimum of 12" into ground; each grade stake shall be protected by a flagged lath projecting 24" above ground; grade stakes disturbed by on-site activities shall be reset by the Surveyor. If specified on the plan the Contractor shall have his surveyor provide grade sheets. The grade sheets shall be submitted to the Department of Recreation and Parks for approval one week in advance of any grading operations.

UNDERGROUND SUBSTRUCTURES

The survey 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.

TREE PROTECTION - EXISTING TREES

All trees to remain in place shall be protected by the City of Los Angeles, Department of Recreation and Parks Standard Specification for Tree Protection. See Tree Protection Specifications on Planting Legend, Notes and Details, Sheet LS-9.0.

1. GENERAL EARTHWORK

METHODS

The Grading Plan when approved shall be on the job at all times. All grades between contours and/or spot elevations shall be assumed to be straight grades. There shall be no localized depressions or humps. (308-2.1.) The Contractor shall verify all grades and amounts of cut and fill before commencing work. The area to be filled shall be cleared of all vegetative material, except the existing trees to remain. Protect remaining trees during all construction. All fill soil shall be compacted to 90% relative compaction and the Contractor shall obtain and pay for all soil compaction tests. Locations where compaction testing is required are shown on the plans with the symbol. The Department of Recreation and Parks may modify the exact location in the field, depending on field conditions. The total number of compaction test shall be no less than the number shown by the symbol. Minimum compaction of earthwork shall be 90% relative compaction unless noted otherwise. Prior to placing fill rip existing subgrade to a depth of 6 inches. Intermix first 6 inches of fill placed with ripped subgrade to eliminate interface lens. Place remaining fill in 8" lifts. The source of import soil shall be approved by the Department of Recreation and Parks prior to any grading operations. The Contractor/RAP Staff shall be required to provide an Agricultural Suitability soil test to establish the suitability of any imported soil and that soil concentrations of boron and salinity are within agricultural limits. The Contractor shall, at his own expense, amend the soil according to the recommendations of the soils report. Fill material 24 inches, or more, below the finish grade may contain up to 25 percent broken concrete or bituminous paving with maximum dimension of 3 inches of any piece. The top 24 inches of fill may contain up to 10 percent broken concrete or bituminous paving with a maximum dimension of 1-1/2 inches of any piece. Where the plans call for turf, the top 6" of soil shall have no object larger than 1" in least dimension. The contractor shall be responsible for removal and disposal of all excess soil and debris from the work area, (300-1.3.1, 300-2.6). No soil or debris shall be disposed of on Recreation and Parks Property without the permission of the Department of Recreation and Parks. The Contractor shall conform to Section 7-8.1 of the SSPWC latest edition with the current yearly supplements for clean up and dust control. Ground water conditions encountered during the course of the work shall be brought to the attention of the Project Landscape Architect. If any grading operation covered by this section shall extend into or through, or shall be commenced during the period of October 15 to April 15, the contractor/RAP STAFF shall be required to submit plans of the temporary erosion control methods and devices he proposes to use in connection with the grading operations to be performed during that period. Said plans shall be submitted to the Landscape Architect. The Contractor shall at no additional cost to the Department engage the services of an approved California licensed Soils Engineer and approved soils testing laboratory to provide subgrade, pipe bedding, and fill compaction control. The Soils Engineer shall perform field observation and testing during grading to assist the Contractor in obtaining the proper moisture content, compactive effort and degree of compaction. Where compaction is less than required, additional compaction effort shall be made with adjustment of moisture content, as necessary, until the specified compaction is obtained.

Upon completion of grading, the Contractor shall furnish the Department of Recreation & Parks' compaction report, certified by the Soils Engineers, showing the results of compaction tests of fill, subgrade and bedding and certifying that fill, subgrade and pipe bedding compaction complies with the percentage compaction specified.

2. CONCRETE

All concrete construction shall be as specified in this Section unless specified otherwise in this Notice to Contractors.

MATERIALS

BASE MATERIAL

Base material for Portland Cement concrete shall be (CMB) crushed miscellaneous base, (200-2.4).

CONCRETE SPECIFIED BY CLASS

Placed concrete shall be class 520-C-2500, maximum 4 inch slump. Pumped concrete shall be class 560-E-2500, maximum 6 inch slump. A complete delivery receipt shall be required for each truckload of concrete delivered. The receipt shall be given to the Department of Recreation and Parks, (201-1.1.2).

PORTLAND CEMENT

All cement shall be Type II, low alkali Portland cement conforming to ASTM C150 (201-1.2).

AGGREGATES

The aggregates for all concrete construction shall be fractured face aggregates obtained from a quarry in the San Gabriel River drainage area only and shall be certified non-reactive by an approved testing laboratory as approved by the Bureau of Contract Administration, (201-1.2.2).

COMBINED AGGREGATE GRADINGS

Combined aggregate gradings for Portland Cement shall be as specified under this section, (201-1.3.2).

EXPANSION JOINTS

Expansion joints shall use a 3/8 inch thick asphalt impregnated felt expansion joint.

JOINT URETHANE SEALANT

When specified, expansion joint material shall be urethane elastomeric sealant for concrete pavement shall be Lithoseal TrafficK-G3 by L. M. Scofield Company, or an approved equal, (201-3). Color to match concrete.

EXPANSION JOINT PREMOLED ASPHALTIC JOINT MATERIAL

When specified, expansion joint material shall be 1/4 inch thick asphaltic joint material as manufactured by Sealtight Co., or an approved equal, (201-3).

DOWELS (EXPANSION AND END-OF-POUR JOINTS)

Shall be grade 40 or grade 60 billet steel, (201-2.2).

END OF POUR JOINTS

End of pour joints shall be 1/4 inch thick asphaltic joint material as manufactured by Sealtight Co., or an approved equal, (201-3).

COLORED CONCRETE ADMIXTURES

Admixtures for colored concrete shall be Lithochrome Color Hardener by L.M. Scofield Company (800) 800-9900, or Davis Mix-in Colors for concrete by Davis Colors, (800) 800-6856, or an approved equal.

METHODS

SUBGRADE AND BASE PREPARATION AND COMPACTION

Subgrade under all concrete shall be prepared and compacted in accordance with this section (301-1.). Locations where compaction testing is required are shown on the plans with the symbol. The Department of Recreation and Parks may modify the exact location in the field, depending on field conditions, if permission is granted from the Department of Recreation and Parks. The total number of compaction tests shall be no less than two (2) or the number indicated on the plans. The Contractor shall provide compaction tests for both subgrade and base material, if applicable, at the locations indicated on the construction plans. Results of the compaction tests shall be submitted to the Department of Recreation and Parks for approval prior to the pouring of concrete. Minimum subgrade and base compaction shall be 90% relative compaction.

EXPANSION JOINTS Shall be placed against previously constructed concrete structures or as indicated in the plans (303-5.4.2) and per Recreation and Parks Detail 300 series.

CONCRETE SURFACE FINISHING

Concrete walks, pads shall have a medium sand blast finish, unless otherwise noted on the plans. The Contractor shall prepare a minimum three foot by three foot sample for approval by the Department of Recreation and Parks before any concrete is placed, (303-5.5.3). Any sidewalk in the public street right of way constructed as a portion of this contract shall be finished as directed by the Department of Recreation and Parks.

3. DISINTEGRATED GRANITE AND SOIL STABILIZERS

MATERIALS

DISINTEGRATED GRANITE

Disintegrated granite shall be referred to by the abbreviation (D.G.), or referred to as a decomposed granite. All disintegrated granite shall conform to the following grading requirements:

Sieve Designation	% Passing	Sieve Designation	%Passing
3/8 inch	100	No. 30	40-50
No. 4	95-100	No. 50	25-35
No. 8	75-80	No. 100	20-25
No. 16	55-65	No. 200	5-15

The portion of D.G retained on the no. 4 sieve shall have a maximum percentage of wear of 50 at 500 revolutions as determined by AASHTO T96-77. The portion passing a No. 40 sieve shall have a maximum liquid limit of 25 and maximum plasticity index of 7 as determined by AASHTO T89-81 and AASHTO T90-81, respectively. Crushed aggregate screenings shall be free from clay lumps, vegetative matter and deleterious material.

SOIL STABILIZER

The stabilizer shall be a non-toxic, colorless, odorless, organic powder that binds D.G. screenings. The stabilizer shall be manufactured by Stabilizer Inc., (800) 336-2468, or an approved equal.

PINE RESIN EMULSION

Pine resin emulsion for soil stabilization shall be Road Oyl by Soil Stabilization Products Company, Inc., (209) 383-3296, or an approved equal.

DISINTEGRATED GRANITE AND SOIL STABILIZERS cont.

PORTLAND CEMENT (FOR SOIL CEMENT)

Portland Cement shall be Type II, (201-1.2).

4. STRUCTURAL CONCRETE AND MASONRY

All work shall conform to the latest edition, L.A. City Building Code (LACBC) in addition to the SSPWC; the LACBC shall take precedence where conflicts occur with the SSPWC.

CERTIFICATION AND TESTING

As required by the LACBC, certificates of identification and/or testing shall be provided for all concrete, reinforcing steel, concrete block, mortar, and grout materials delivered to the job site.

The following items refer to the corresponding SSPWC subsections in order to resolve conflicts with the LACBC, to stress items of particular concern, or modify, add to, or choose options in the SSPWC.

MATERIALS

CONCRETE SPECIFIED BY CLASS

Concrete is designed for Fc=2000 psi; for durability placed concrete shall be class 560-C-3250, maximum 4 inch slump and pumped concrete shall be class 660-E-3250, maximum 6 inch slump. A complete delivery receipt shall be required for each truckload of concrete delivered. The receipt shall be given to the Department of Recreation and Parks.

PORTLAND CEMENT

All cement shall be Type II, low alkali Portland cement conforming to ASTM C150. (201-1.2).

AGGREGATES

The aggregates for all concrete construction shall be fractured face aggregates obtained from a quarry in the San Gabriel River drainage area only and shall be certified non-reactive by a testing laboratory as approved by the Bureau of Contract Administration per Section (201-1.2.2).

COMBINED AGGREGATE GRADINGS

Combined aggregate gradings for Portland Cement shall be as specified under this section, (201-1.3.2).

REINFORCING STEEL

Use ASTM A615 Grade 40 billet steel, (201-2).

EXPANSION JOINTS

Use "Sealtight" 1/2 inch thick, full depth, self-sealing asphalt expansion joints by W. R. Meadows Inc. or equal, (201-3).

CONCRETE CURING COMPOUND

Use Type I compound, (201-4).

CEMENT MORTAR

In lieu of the class and proportions shown in SSPWC 201-5.1, use Type S mortar, Fc=2000 psi, LACBC 91.2403(g), (201-5, 202-2.1.2).

GROUT

In lieu of SSPWC 202-1.5.2, use 2000 psi grout per LACBC 91.2403(r), (201-1.5).

CONCRETE BLOCK

Use 8" x 8" x 16" lightweight (103 pcf) units conforming with ASTM C90 Grade N-1, (202.2.1).

LUMBER AND PLYWOOD FORMS

Formwork shall comply with this section, (204-1).

METHODS

FOUNDATION MATERIAL TREATMENT AND SUBGRADE FOR CONCRETE SURFACES

Foundation excavations shall comply with these subsections, (303-1.3).

CONCRETE FORMWORK

Installation and removal of formwork for concrete footings and structures shall comply with these subsections, (303-1.3).

PLACING REINFORCEMENT

The Contractor's attention is directed to the provisions of this subsection regarding: (1) securing reinforcing steel in position in accordance with the "Concrete Reinforcing Steel Institute" standards; (2) splicing of bars; and (3) bending of bars, (303-1.7).In masonry the thickness of grout between block units and reinforcing steel shall not be less than 1/2 inch.

PLACING CONCRETE

The Contractor's attention is directed to the provisions of this subsection regarding: (1) avoiding concrete segregation; (2) wetting forms and subgrade; (3) consolidation of concrete with vibrators; and (4) provision for construction and expansion joints. (303-1.8). CONCRETE SURFACE FINISH AND CURING COMPOUND Surface finish and provision for curing compound shall comply with these subsections, (303-1.9). MASONRY CONSTRUCTION The Contractor's attention is directed to the provisions of this subsection regarding: (1) workmanship; (2) proper masonry units; (3) metal stops on horizontal reinforcing; (4) thoroughly rodding vertical cores; (5) cleaning cores of debris and mortar; (6) holding reinforcement straight and in place; and (7) cutting masonry with a power driven abrasive saw.If work is stopped for one hour or longer a horizontal construction joint shall be provided by stopping the grout 1 1/2 inches below the top of block. Masonry shall be laid in running bond, unless otherwise noted, (303-4).

7. IRRIGATION SYSTEMS

MATERIALS

SOLVENT WELDED PLASTIC PIPE

Schedule 40 PVC plastic pipe shall be used for pipe sizes up to and including 1 1/2 inch diameter on both the discharge and supply side of control valves, (212-2.1.3). Class 315 PVC plastic pipe shall be used for pipe sizes from 2 inch up to and including 3 inch diameter.

RESTRAINED PLASTIC PIPE

Class 150, DR 18, C900 PVC pipe shall be used for pipe sizes of 4inch up to and including 10inch diameter.

REMOTE CONTROL VALVES

All remote control valves shall be electrically operated with body of cast brass or bronze construction, (212-2.2.4) and installed per details.

CONTROL WIRE

Connection between the automatic controller(s) and the remote control valves shall be made with direct burial 14 gage, AWG-UF, 600 volt, copper wire. Wires shall be provided in the following colors: red, yellow, blue, green, orange, tan, purple, pink, brown, gray, and white.

CONTROL WIRE CONNECTIONS

Control wire connections shall be made with 3-M brand of DBY or DBR Direct Burial Splice kits, or approved equal. The splice kit shall consist of a one-piece malleable plastic bulb body with internal locking fingers, filled with re-enterable gel sealant and a Scotchlok Electrical Spring Connector. Materials shall be as follows: Connector shall be a flame retardant PVC insulator with a steel spring and shell within. Connector shall be a non-crimping system. Tube material shall be clear see-through polypropylene. Gel material shall be hixotropic calcium organic complex.

Wire sizes and numbers of wires shall be as shown below:

CONNECTORCOLOR,NO. AND SIZE OF WIRE3M Model DBYYellowMax. 4-12 gage UF wires3M Model DBRRedMax. 3-14 gage UF wires

QUICK COUPLING VALVES AND ASSEMBLIES

Quick couplers shall be 1 inch i.p.s., two piece, brass or bronze construction equipped with a cover, unless otherwise specified on plans. The Contractor shall provide one quick coupler key with hose swivel for each five quick couplers installed. Contractor shall supply a minimum of one quick coupler key with hose swivel, (212-2.2.6) and shall be installed per details.

VALVE BOXES

Valve boxes shall be of Portland Cement concrete with a cast iron frame and hinged double toggle locking cover. The inside dimensions of the box shall be 10 1/2 inches, Model 363 1/2 HFL by Eisel Enterprises Inc., or approved equivalent. The cast iron cover shall be permanently embossed, "GV" for gate valve, "RCV" for remote control valves, "QC" for quick coupler valves, MV for Master Valves, or FM for Flow Meter. Paint is not acceptable. Contractor shall supply one (1) valve box cover key for each five (5) valve boxes installed. Provide a minimum of two (2) cover keys, (212-2.2.7). Boxes are to be installed per details.

METHODS

NEW PIPELINE INSTALLATION - GENERAL

When pipelines run parallel they shall be separated horizontally by a minimum distance of 12". When pipelines cross each other they shall be separated vertically by a minimum distance of 3".

No irrigation trenching shall pass closer than eight feet of the base of any tree. No tree root larger than 2" diameter shall be cut without approval of Department of Recreation and Parks.

COVER OVER MAINLINES:

Maintain 24 inches of cover over mainlines 3" and smaller in diameter. Mainlines 4" and larger in diameter shall have 30" of cover over the top of the pipe, (308-5.2). All trenching shall be per details.

COVER OVER LATERAL LINES:

Maintain 12 inches of cover over all lateral lines.

Pipe bedding and backfill: bedding shall surround the pipe to one foot above the top of the pipe. Bedding shall be placed in 6 inch lifts. All bedding shall be densified by water jetting. Water jetting shall be sufficient to thoroughly wet bedding material around the pipe, (306-1.2.1). There shall be no rocks over 1/2" in greatest dimension and no organic matter placed in the bedding material. Backfill shall be the material placed above the bedding. Backfill shall be placed in one-foot lifts and densified by water jetting. Jetting shall be continued until backfill collapses and water is forced to the surface, (306-1.3.1). Pipe trenches thoroughly densified by water setting shall have a minimum relative compaction of 85%. There shall be no rocks over 2" in greatest dimension or organic matter in the backfill. Trench areas which exhibit insufficient densification shall be subject to compaction tests as requested by the Department of Recreation and Parks. All such compaction tests shall be at the expense of the Contractor. Additional tests may be required until the 85% minimum compaction is achieved. Finished trenches shall match finish grades flush with adjacent finish grades. The Contractor shall be responsible for maintaining the trenches flush and smooth until final acceptance of the project. Trenches in existing lawn shall be repaired per method A lawn repair of the Landscape Planting section of the Notice to Contractors. The maximum trench width shall be two and a half diameters of the pipe.

PIPES CROSSING UNDER PAVING:

Where irrigation piping crosses a vehicular roadway or other paving having a width of less than 25 feet, a PVC Schedule 40 PVC sleeve which is a minimum of two pipe sizes larger than the piping to pass through it, shall be jacked under the paving at a depth of 36" minimum. Where remote control wiring crosses under paving having a width of less than 25 feet, a 3 inch PVC Schedule 40 PVC sleeve shall be jacked under the paving at a depth of 36" minimum. All sleeves shall extend 3' minimum beyond the edges of paving.

Where irrigation piping crosses a vehicular roadway or other paving having a width greater than 25 feet, a trench shall be excavated across the roadway or paving to accommodate a Class 315 PVC sleeve a minimum of two pipe sizes larger than the piping to pass through it, at a depth of 36" below the bottom of the paving, as measured from the top of the sleeve. Where remote control wiring crosses under paving having a width greater than 25 feet, a 3 inch Schedule 40 PVC sleeve shall be installed at a depth of 36" below the bottom of the paving, as measured from the top of the sleeve. The backfill of the trench shall be a 2 sack cement slurry. The slurry shall extend from the bottom of the trench to within one inch of the bottom of the existing paving. The trench in the existing paving shall be repaired with a like paving material and join the existing paving both horizontally and vertically.

REMOTE CONTROL WIRING UNDER PAVING

Remote control wire under paving shall be placed in a 3" class 315 PVC sleeve buried at a depth of 36. Roadways less than 25 feet in width shall have the sleeve jacked under the roadway.

FITTINGS ON MAINLINES:

All outlets from a mainline shall be accomplished with line sized tees with an outlet of the specified size. No saddle tees shall be permitted.

INSTALLATION OF VALVE BOXES

Boxes shall be set flush with existing grade, including sloped areas, and all soil within 12 inches of the perimeter of the box shall be compacted by water settlement as indicated in the trench repair section of this specification. Boxes are to be positioned per details.

LAYOUT OF PIPING

Pipe layout as shown on irrigation plan is schematic. Contractor may route piping in the most expedient manner consistent with the requirements set forth herein, including avoidance of tree roots. Contractor shall adhere to As-Built requirements as shown below.

INSTALLATION OF IRRIGATION HEADS

Sprinkler heads in lawn areas shall be set flush with finish grade at initial installation and protected during construction. All soil 12 inches from the perimeter of the head shall be compacted by water jetting as indicated in this specification, or set in sand as shown on details.

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

IRRIGATION SYSTEMS cont.

CONTROLLER	TAPE BUNDLE COLOR
A	RED
B	YELLOW
C	BLUE
D	GREEN
E	WHITE
F	BLACK

INSTALLATION OF IRRIGATION CONTROL WIRING

Wire bundles shall be taped at 5' o.c. Lay bundles in the mainline trench. Do not tape bundles to the mainline piping.

- ✓ The Contractor shall run two extra black control wires from the automatic controller to the farthest valve on the system, or to the farthest valve at each end of the controller area, if the farthest area extends in two directions from the controller.

Each controller shall have a separate 14 gage, AWG-UF, 600 volt, WHITE common wire for each 10 consecutive stations on each irrigation controller.

Common 1,	stations 1-10
Common 2,	stations 11-20
Common 3,	stations 21-30
Common 4,	stations 31-40

Each exterior controller enclosure shall have a ground rod installed if detailed on controller installation detail.

Wire shall not be taped to mainline (308-5.5). If control wires run in same trench as lateral lines, or are dead headed, wire depth shall be maintained at 24". For installation, see details.

✓ **IRRIGATION SYSTEM FLUSHING AND TESTING**

The irrigation system shall be flushed in the presence of the Department of Recreation and Parks. Flushing shall start with the valve closest to the point of connection and proceed with each consecutive valve toward the valve farthest from the point of connection. Each lateral system shall have each riser capped during the flushing commencing with the riser closest to the valve and proceeding to the farthest riser. After the entire irrigation system has been flushed the system shall be pressure tested in accordance with section 308-5.6 of the SSPWC.

- ✓ The irrigation system mainlines shall be pressure tested following the flushing of the complete system. The mainlines shall be tested for 24 hours at 125 p.s.i. with all control valves in place and closed. During the test, the Contractor shall provide pressure gauges downstream from the backflow device and upstream from the farthest remote control valve in the system. Air pressure testing of the irrigation system is acceptable if approved by the Department of Recreation and Parks.

✓ **RECORD DRAWINGS (AS-BUILTS) AND CONTROLLER CHARTS**

As built plans shall be maintained daily throughout the construction period and turned over to the Department of Recreation and Parks at the Operational Final Inspection, as indicated in the General section of this Notice to Contractors in the Record Drawings Submittal section.

The Contractor shall provide two copies of a controller chart showing the irrigation system installed. The chart shall be done on a half size photographic reproduction of the irrigation plan and shall reflect the as-built data. Each station shall be shown in a different color and control wire locations shall be indicated. The complete plan shall be laminated on each side with a 20 mil acrylic plastic sheet. A 3/4" brass grommet shall be placed in each top corner. The Contractor shall obtain approval of the controller chart from the Department of Recreation and Parks, before proceeding with the plastic lamination.

WARRANTY FOR IRRIGATION SYSTEM WORK

The entire sprinkler irrigation system shall be warranted to be free from defects in materials and workmanship, and installed in accordance with this Notice to Contractors and the SSPWC. The Contractor shall be required to repair or replace any defects in material or workmanship which may develop within one (1) calendar year from the date of acceptance, ordinary wear and tear and unusual abuse or neglect excepted. Further, the Contractor shall be required to make any necessary repairs within 24 hours of notification at no cost to the Department. If the Contractor or his agent fail to make such repairs within the stipulated time, the Department shall make such repairs or have repairs made by a third party and bill the Contractor for all expenses that accrue from making such repairs.

GUARANTEE AGAINST SETTLEMENT

If, within one (1) calendar year from the date of acceptance, settlement occurs along mainlines, lateral lines, at valve boxes, or other irrigation related appurtenances, and adjustments in pipes valves and sprinkler heads are required to bring the system, sod, or paving to the level of the permanent grades, the Contractor shall make all adjustments without additional cost to the Department, including complete restoration of any planting, paving, or other improvements damaged as a result of settlement.

STEEL PIPELINE

Joints shall be made with Teflon tape applied to the male threads only, (308-5.2.2).

PLASTIC PIPELINE-SOLVENT WELDED OR THREADED ENDS

Prior to the application of the P.V.C. solvent cement, prepare all surfaces to be solvent welded with tetrahydrofuran primer tinted purple. Teflon tape shall be used on all plastic male pipe threads, (308-5.2.3).

✓ **BACKFLOW DEVICE INSTALLATION AND CERTIFICATION**

The Contractor shall obtain certification of the backflow device and submit two copies of the certification to the Department of Recreation and Parks at the Operational Final. The backflow certification shall be made on the County Health Department standard form and filed with the County Health Department, Cross Connection Section, Room 150, 2525 Corporate Place, Monterey Park, CA, 91754. The contractor shall paint all backflow prevention devices above ground with two coats of forest green enamel. Mask all identification tags prior to painting, (308-5.3). After certification remove all test cocks, replace with threaded brass plugs, and deliver test cocks to the Department of Recreation and Parks.

6. CHAIN LINK FENCING AND MISCELLANEOUS METAL CONSTRUCTION

MATERIALS

- ✓ **CHAIN LINK FENCING**
Chain link fencing materials shall be as specified in details RP 500-506 and Section (206-6).
- ✓ Pipes for posts, braces and rails shall be Class 1, Schedule 40, ASTM F 1083 or, Class 1A, with a minimum 50,000 psi yield strength. Class 1 pipe shall be galvanized as indicated in this section of the Notice to Contractors. Class 1A pipe shall have a minimum hot dipped zinc coating of 0.9 oz./Sq. Ft., 15 micrograms of chromate per square inch and a minimum or 3 mils of acrylic coating on the exterior of the pipe. The interior coating of Class 1A pipe shall be hot dipped galvanized with .9 oz./ Sq. Ft. Zinc. Materials for chain link fence posts, rails and braces shall be sized as follows:

NOMINAL SIZE (inches)	ACTUAL O.D. (inches)	CLASS 1 PIPE Wall Thickness	CLASS 1 Weight LBS per lin. ft.	CLASS 1A PIPE Wall Thickness	CLASS 1A Weight LBS/L.F. (pounds)
1 1/4"	1 5/8"	.140	2.27	.110	1.82
1 1/2"	1 7/8"	.145	2.72	.120	2.28
2"	2 3/8"	.154	3.65	.130	3.12
2 1/2"	2 7/8"	.203	5.79	.160	4.64
3"	3 1/2"	.216	7.57	.160	5.71
3 1/2"	4"	.226	9.11	.160	6.56
4"	4 1/2"	.237	10.79	NA	NA
6"	6 5/8"	.280	18.97	NA	NA

CHAIN LINK FENCING AND MISCELLANEOUS METAL CONSTRUCTION cont.

CHAIN LINK FABRIC

Galvanized steel chain link fabric shall conform to ASTM A 392, Class 2, 1.20 Oz./Sq.Ft. zinc. Fabric shall be 9 gauge and be woven in a 1 1/2" mesh unless otherwise indicated on the plan. Top and bottom selvages shall be knuckled.

PVC coated galvanized steel fabric, when specified, shall conform to ASTM F 668, Class 2b, "fused and adhered", and meet the galvanizing requirements contained in this section of the Notice to Contractors, (206-6.3).

STEEL SHAPES

All structural steel shapes shall be as specified in the applicable detail.

- ✓ **GALVANIZING**
Where called out, metal products shall be hot dipped galvanized in accordance with **TABLE 210-3.2(A)** of the SSPWC.

✓ **MANUFACTURER'S CERTIFICATE OF COMPLIANCE**

The manufacturer of the Chain link fabric, fence posts, rails and braces shall provide the Contractor a Certificate of compliance for each shipment sent to the project site. The Certificate shall state that the materials delivered conform the specification for materials as indicated in Section B of these Notice to Contractors. The Certificate of Compliance shall be delivered to the Construction Manager before any fencing materials are installed at the project site.

REPAIRING OF DAMAGED GALVANIZED SURFACES

Galvanized surfaces which have been damaged in transport or during installation shall be re-coated using the metalizing process or zinc oxide, zinc dust paint per Section 210-3.5 of the Standard Specification.

TUBULAR STEEL SHAPES

Cold formed shapes for tubular steel fencing shall conform to ASTM A 500, Grade B, in the size and wall thickness shown on the plans and details. Unless specified on the plans all post and rails shall be 3/16" thick. All pickets for fencing shall be 11 gauge.

- ✓ **TUBULAR STEEL WELDING**
Shall conform to the AWS code for procedures, appearance and quality. All welds shall be ground smooth. All fabricated metal fencing panels shall be shop assembled and welded.

- ✓ **PAINTING (TUBULAR STEEL AND CHAIN LINK FENCING WHEN REQUIRED)**
"Factory" coated tubular steel fencing or chain link fencing shall be exempted from this requirement. All other shop fabricated tubular steel fencing or fencing constructed on site shall be painted in accordance with the requirements for painting "Ferrous Metal (Non-galvanized) Surfaces" below. The two finish coats shall be black unless otherwise specified.

METHODS

CHAIN LINK FENCE

Chain link fence shall be installed and stretched tight between posts.

All connection bolts shall not extend more than 1/4 inch past the end of the nut and be free from burrs.

TUBULAR STEEL PAINTING

Prior to priming and painting, all steel shall be made free of loose mill scale, rust, oil and grease. Welds shall be smoothed by grinding. Damage to "factory" coated tubular steel or chain link fencing shall be repaired after installation by sanding damaged paint surfaces and by applying one coat of manufacturer specified primer and two new coats of specified color coat.

7. PAINTING

MATERIALS

Paint systems, catalog names, and product numbers listed below are based on products of Dunn-Edwards Corporation. This shall be considered the standard of quality against which the Department of Recreation and Parks will judge equivalency. Equivalent materials from alternate manufacturers will be considered as an approved equal. Contractor's material submittal for proposed alternate must include complete material specifications from manufacturer. Paint systems described below are for specific surfaces as indicated. In addition to the information provided herein, paint materials shall also be governed by the requirements set forth in section 210-1 of the SSPWC.

Ferrous Metal Tubular Shapes (Non-Galvanized), Semi-Gloss

Painting Sequence	Finishing Schedule	Recoat And Drying Time	Coverage At Required Wet Film Thickness	Required Wet Film/Dry Film Thickness
1 st coat: Synthetic alkyd white corrosion inhibiting primer	Corrobar (43-5)	Min. 24 hrs. Max. 72 hrs.	450 square feet per gallon	3.5 wet mils; 2.0 dry mils
2 nd coat: Semigloss enamel acrylic latex exterior enamel	Permasheen (W 901)	Dry to touch: 30 min.; Recoat: 4 hrs.	375 square feet per gallon	4.2 wet mils; 1.5 dry mils
3 rd coat: Semigloss enamel acrylic latex exterior enamel	Permasheen (W 901)	Dry to touch: 30 min.	375 square feet per gallon	4.2 wet mils; 1.5 dry mils

Non ferrous metals (Galvanized steel, Aluminum, Cor-Ten® Steel), Semi-Gloss

Painting Sequence	Finishing Schedule	Recoat And Drying Time	Coverage At Required Wet Film Thickness	Required Wet Film/Dry Film Thickness
Pre-coat: galvanized steel only. Acid etch* 1 st coat: Alkyd primer	Galva-etch (GE 123) Galv-Alum (QD 43-7)	n/a Dry to touch: 30 min.; recoat: 2 hrs. † Max. 48 hrs.	n/a 350 square feet per gallon	n/a 4.6 wet mils; 2.0 dry mils
2 nd coat: Synthetic alkyd white corrosion inhibiting primer 3 rd coat: Semigloss enamel acrylic latex exterior enamel	Permasheen (W 901) Permasheen (W 901)	Dry to touch: 30 min.; Recoat: 4 hrs. Dry to touch: 30 min.	375 square feet per gallon 375 square feet per gallon	3.5 wet mils; 2.0 dry mils 4.2 wet mils; 1.5 dry mils

* Galva-etch is a water reducible acid pre-treatment for galvanized metals. Do not use on aluminum.

† Recoat time for Galv-Alum is 2 hours if material is sprayed, 16 hours if brushed or rolled. Second coat must be applied within 48 hours

Primers, Sealer, and Undercoaters

Alkyd based	Block-it (QD 42-56) Quick-dry pigmented primer/sealer	Dry to touch: 30 min.; Recoat: 1 hr.	435 square feet per gallon	3.7 wet mils; 1.5 dry mils
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PAINTING cont.

METHODS

GENERAL
Refer also to section 310-1of the SSPWC.

COLOR SPECIFIED

Colors shall be selected from color chip samples provided by manufacturer of paint system approved for use by the Department of Recreation and Parks.

CONDITION OF SURFACES TO BE PAINTED

Contractor shall verify condition of surfaces to be painted prior to commencement of painting work. Work of other trades that been left or installed in a condition that is not suitable to receive paint, stain, or other specified coatings shall be immediately called to the attention of the Department of Recreation and Parks. Painting of defective or unsuitable surface implies acceptance of the surfaces.

PROTECTION OF EXISTING WORK

The Contractor shall take all necessary precautions to protect previously installed work and materials which may be affected by work. Items to be protected include, but are not limited to, turfgrass, shrubs, trees, ground cover, prefinished surfaces, and adjacent surfaces. Contractor shall furnish at his expense sufficient drop cloths, shields, and other protective devices necessary to prevent spray or splatter from fouling surfaces not being painted. Contractor shall be responsible for protecting equipment and fixtures from damage resulting from use of fixed, movable and hanging scaffolding, planking and staging, (310-1.4)

PROTECTION OF NEW PAINTING

"WET PAINT" signs, barricades, and such other devices as are required to protect newly finished surfaces shall be provided. Contractor shall be responsible for removal of signs protective materials, and temporary protective wrappings provided by others for protection of their work after completion of painting operations.

SURFACE PREPARATION, GENERAL

The Contractor shall perform preparation and cleaning procedures in strict accordance with coating manufacturer's instructions for each substrate condition, (310-2)

- ✓ **SURFACE PREPARATION FOR GALVANIZED SURFACES**
Galvanized surfaces shall be prepared for painting in accordance with section 310-3 of the SSPWC.

- ✓ **SURFACE PREPARATION FOR WOOD SURFACES**
Wood surfaces shall be prepared for painting in accordance with section 310-4 of the SSPWC.

APPLICATION

The Contractor shall apply painting and finishing materials in accordance with the manufacturer's printed instructions. Application methods and techniques that are best suited for the materials and surfaces to which coatings are being applied shall be used, (310-5)

The number of coats specified is the minimum that shall be applied. All undercoats shall be tinted to the approximate color of the finish coat. The Contractor shall apply additional coats when undercoats, stains, or other conditions show through the final paint coat, until paint film is of uniform finish, color and appearance.

Each material shall be applied at not less than the manufacturer's recommended spreading rate and mil thickness. The total dry-film thickness of coatings shall not be less than 1.2 mils for each required coat.

CLEANING, TOUCH-UP AND REFINISHING

The Contractor shall remove all splattering, spots and blemishes caused by work done throughout the work period. Upon completion of painting, the Contractor shall remove all rubbish, paint cans and accumulated materials resulting from work and dispose of off site. All areas of work shall be left in a clean, orderly condition. Runs, sags, misses, holidays, stains, or any other defects in the painted surfaces, including inadequate coverage and mil thickness, shall be satisfactorily touched up, refined, or repaired a necessary to produce a result satisfactory to the Department of Recreation and Parks.

8. LANDSCAPE PLANTING

MATERIALS

AMMONIUM PHOSPHATE

Shall be a standard agricultural grade of ammonium phosphate having guaranteed analysis of 16-20-0.

GYPSUM

Shall be agricultural grade.

ESTABLISH - GENERAL PURPOSE FERTILIZER

Shall have a minimum analysis of 1-1.3-5,(N-P-K), derived from rock phosphate, peat moss, chicken manure, sand, sulfate of potash, gypsum, and EDHA chelate. As manufactured by Earth Works Soil Amendment, Inc., (310) 322-9702, or an approved equal.

HYDROSEED MULCH FIBER

Shall consist of virgin wood fiber of Aspen or Alder. It shall not contain any waste paper, newsprint or straw material. The mulch shall contain a green dye to facilitate application. Fiber shall be as manufactured by Convex Co., (Green Tag), Silva-Fiber by Weyerhaeuser Co., or an approved equal, (212-1.2 (e)).

HYDROSEED STABILIZER

Shall consist of natural muciloid materials supplied by Ecology Controls M-binder, (805) 684-0436, no equal.

HYDROBLEND SOIL ACTIVATOR

Shall have a minimum analysis of 1.2-1.4-5, (N-P-K), derived from rock phosphate, peat moss, chicken manure, sulfate of potash, gypsum. As manufactured by Earth Works Inc., (310) 322-9702, or an approved equal.

FEATHER MEAL

Shall have a minimum analysis of 12-0-0,(N-P-K), derived from feathermeal. As manufactured by Earth Works Inc., (310) 322-9702, or an approved equal.

NITROFORM UREAFORM

Shall be a standard commercial grade of nitroform having a guaranteed analysis of 38-0-0.

ORGANIC AMENDMENT

Shall be type I organic soil amendment, consisting of nitrolized fir shavings.

OVERSEED TOPDRESSING, EARTH WORKS ORGANIC TOPDRESSING

Shall be, derived from composted wood products, peat moss, chicken manure and a wetting agent. As manufactured by Earth Works Inc., (310) 322-9702, or an approved equal.

Potassium sulfate

Shall be a standard agricultural grade of potassium sulfate having guaranteed analysis of 0-0-50.

ROUNDUP

Shall be a water-soluble herbicide for non-selective control of weeds containing 480 grams per liter of the active ingredient Isopropylamine salt of N-(phosphonemethyl) Glycine (Glyphosate) per U.S. gallon, as manufactured by Monsanto Chemical Company, or approved equal.

PRE-EMERGENT HERBICIDE

Shall be Betan Granular, by Eianco, or an approved equal. All pre-emergent herbicides, when required, shall be specified and applied by a licensed Pest Control Advisor.

FERTILIZER TABLETS

Shall be fertilizer tablets shall be Agriform 21 gram, 20-10-5, available from Western Farm Service, (805) 487-4961.

MULCH

Shall be seasoned tree chip mulch, free all foreign matter including weed and tree seeds. Mulch chip size shall be minimum one (1) inch in diameter and not more than two (2) inches in diameter. Submit sample of mulch and source to Landscape Architect/ The Department of Recreation and Parks for approval prior to application.

WATER HOLDING POLYMER

Shall be "Broadleaf P-4"

METHODS

TOPSOIL PREPARATION - GENERAL

The type and thickness of topsoil shall be as shown on the plans. If not shown, the topsoil shall be the existing class "A" on-site topsoil. Remove all stones over 1 inch in greatest dimension, to a depth of 6 inches below finish grade, (308-2.3.1).

Prior to planting, the top two (2) inches of all areas (including slopes) shall be free of weeds, stones, and other deleterious matter one (1) inch in diameter and larger.

RAP STAFF/ CONTRACTOR TO: Provide agricultural suitability tests from a approved Lab for all areas that are to be planted. Depth of test to coincide with size of material to be planted, ie: bore depth to turf 6, 12" for shrubs and 24" for trees

TOPSOIL PREPARATION

If not otherwise specified, all lawn and ground cover areas shall receive the following soil preparation:
3 cubic yards, Type I organic soil amendment per 1,000 sq. ft., (.003 CY/Sq.Ft.)
75 lbs of Establish per 1,000 sq.ft., (.075 Lbs./Sq.Ft.)
5 lbs. of Feathermeal, 12-0-0, per 1,000 sq. ft., (.005 Lbs./Sq.Ft.)

The soil preparation materials shall be cultivated into the soil to a depth of 6 inches minimum and thoroughly watered, (308-2.3.1).

LANDSCAPE PLANTING cont.

FINISH GRADING (FOR LAWN AREAS)

Finish grading of lawn areas shall take place after the soil has dried out to a workable condition following the soil preparation operations. The soil shall be remodeled and smoothed to the required grades and contours, then rolled in two directions at right angles with a water ballast roller weighing 200 to 300 pounds. Any resulting irregularities in the grade after the initial rolling shall be re-rolled, cut or filled, then re-rolled until the grade is free from irregularities. No heavy objects shall be taken over the areas at any time. The final finish grade shall be uniform, without abrupt changes in grade, within one-tenth of a foot of the grades shown on the plan, and approved by the Department of Recreation and Parks prior to seeding, (308-2.4).

WEED ABATEMENT ("GROW AND KILL")

Weed abatement shall apply to all turf and planting areas. The abatement operation shall be commenced only after removals, grading, hardscape, construction, installation of irrigation system, soil preparation, and fine grading of turf and planting areas have been completed.

NOTE: It is required that herbicides be applied by a licensed **PEST CONTROL APPLICATOR**.

CONTRACTOR RESPONSIBILITY DURING WEED ABATEMENT OPERATION AND APPLICATION PRECAUTIONS

The Contractor shall abide by all laws and codes governing weed abatement operations including but not limited to CAL-OSHA requirements and The Healthy School Act which includes 72 hour notice to employees and patrons, submittal of a "Pest Control Recommendation Form" to Recreation and Parks, and a completed and accurate MSDS (Material Safety Data Sheet) to be at the site of application. The area of application shall be posted as such and barricaded for public safety and information. On sites over 1/2 acre in size the contractor shall utilize a Department of Recreation and Parks approved plan of phasing the application.

The Contractor is responsible or any and all damage done to plant materials outside of the treatment area. Contractor shall replace, in kind and size, any plant material damaged or killed through the application of herbicide.

Any Contractor, who is obligated under contract with the Department for the construction or refurbishment of a park facility that involves the intended use of herbicides or other pesticides, must first notify the pest management supervisor of the Forestry Division. Prior to any approved pesticide applications at any recreation/child care center, the contractor is also required to notify the recreation director-in-charge at least 72 hours in advance of the date/s of application. This is to conform to the State of California Healthy Schools Act of 2000(AB2260). Also, all pest control work performed at any facility should fall within the guidelines of the Department's IPM programs. In addition, each individual project will require a written recommendation by a licensed Pest Control Advisor for any pesticide application.

Any questions regarding pesticide application and procedures at Recreation and Parks facilities shall be directed to the Department of Recreation and Parks and the Department's Forestry group, Vegetative Management (213) 485-4826.

In addition to the afore listed responsibilities the following precautions shall be observed in handling and applying herbicide:

1. Before applying, Contractor shall read and understand all instructions provided by the manufacturer.
2. Product shall not be used when winds are gusty or in excess of 3 miles per hour, or when any other conditions exist, which would result in drift.
3. Avoid combinations of pressure and nozzle type or adjustment that result in mist.
4. Do not apply during rain, or if rain is forecast within twelve hours. If rain occurs within twelve hour period, material must be reapplied after plant growth has dried out.
5. Contractor shall observe extreme care not to allow spray to contact desirable plant material. Use cardboard, plywood, or other appropriate material to shield plant materials outside of the treatment area from overspray.
6. Do not apply to bare ground.
7. Do not add any other products to any herbicide mix, including spreader stickers or surfactants, unless required by the label directions and approved by the Department's Pest Control Advisor (PCA).

WEED ABATEMENT: GROW AND KILL METHOD

Contractor shall follow the "grow and kill" steps set forth below:

- Step 1. Clear site of all dead or living vegetative growth by hand or mechanical means.
- Step 2. Thoroughly water all turf and planting areas daily to keep soil evenly moist for a period of at least two weeks.
- Step 3. At the conclusion of the growth period, treat all plants within the treatment area with Roundup at an application rate of five (5) quarts of Roundup mixed in 50 gallons of clean water per acre applied by spraying. Thoroughly moisten all plant material with herbicide.
- Step 4. Do not water or otherwise disturb treated areas for a period of two (2) weeks.
- Step 5. After two week kill period, remove all dead plant growth. If any living plants are observed, entire plant, including roots, shall be removed by hand. Minimize physical disturbance of the soil.

WEED SUPPRESSION (NON-HERBICIDE WEED REMOVAL)

Weed suppression, shall apply to all turf and planting areas. The suppression operation shall be commenced only after removals, grading, hardscape construction, installation of irrigation system, soil preparation, and fine grading of turf and planting areas have

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LANDSCAPE PLANTING cont.

MAINTENANCE AND PLANT ESTABLISHMENT

The Contractor shall be responsible for maintenance within the area of work throughout the period of construction and the plant establishment period. The maintenance shall include continuous operations of watering, the removal of all weeds in planting areas and all broad leaf weeds in lawn areas, mowing, rolling, trimming, edging, cultivation, fertilization, spraying, control of pests, insects and rodents, reseeding, plant replacement (irrespective of cause), or any other operations necessary to assure normal plant growth and the collection and removal of all trash daily. Any malfunctions of, or damage to, the irrigation system caused by the Contractor or RAP staff in the prosecution of this work shall be repaired within 24 hours.

The plant establishment period shall be for a period of 180 days unless extended as described in this section. The plant establishment period shall be started when all planting and related work has been completed, in accordance with the contract documents. The beginning of the plant establishment period shall be determined by an on site review by the Department of Recreation and Parks. Trees and shrubs shall be healthy and vigorous at the completion of the maintenance period. Broken or vandalized tree stakes shall be repaired to a condition as initially installed within seven (7) days of damage.

All lawn areas shall have 95 percent coverage with bare areas not exceeding three square inches. All lawns shall be of the grass specified and be free from all broad leaf weeds. The lawn shall not be allowed to grow higher than three (3) inches and shall be mowed to a one and one half (1 1/2) inch height. The lawn shall be mowed at least twice during the plant establishment period.

Contractor shall maintain the area of work at maximum seven (7) day intervals and perform any needed tasks to keep the plants in a optimum growing condition.

Five weeks after lawn seeding the Contractor shall apply a slow release 38-0-0 granular fertilizer at a rate of 15 pounds per 1000 sq. ft. to all lawn areas. The fertilizer shall be applied in the presence of the Department of Recreation and Parks.

The Contractor shall immediately replace any and all plant materials and/or grass which, for any reason dies or is damaged while under the Contractors care. Replacement shall be made with seed and/or plants as indicated or specified for the original planting.

All shrubs and ground covers shall be guaranteed for a period of ninety (90) days from the end of the plant establishment period. All trees and shrubs 15 gallon size or larger shall be guaranteed for a period of one (1) year from the end of the plant establishment period.

The designated plant establishment period is part of the total contract time. The plant establishment period will be extended at fourteen (14) day intervals if, at the end of the plant establishment period, the planting, irrigation and other improvements do not reflect the intent of the plans .

CLEARVU HIGH SECURITY FENCES AND GATES

GENERAL

1.1 SCOPE

A. THIS SPECIFICATION COVERS MATERIAL REQUIREMENTS AND INSTALLATION OF SECURITY FENCING AND GATES, FOR THE *CITY OF LOS ANGELES*

1.2 REFERENCES CODES AND STANDARDS

A. CSIR, SABS, NORTH ATLANTIC TREATY ORGANIZATION (NATO) AND INTERNATIONAL AVIATION AUTHORITY ORGANIZATION (ICAO).

CSIR TEST980289, 050036, 050056, T09998SABS TEST2536/YM139NATO STOCK 5600/99-458-7474ICAOICAO SECURITY MANUAL

1.3 SUBMITTALS

A. CERTIFICATE OF COMPLIANCE FOR MATERIALS AND COATINGS

B. SHOP DRAWING FOR GATES

C. SUBMITTAL REQUIREMENTS ARE IDENTIFIED WITHIN THE SPECIFICATION.

D. QUALITY CONTROL PROGRAM SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW PRIOR TO COMMENCEMENT OF ANY WORK.

PART 2 - PRODUCTS

2.1 GENERAL

A. ALL STEEL MATERIALS SHALL BE OF GOOD COMMERCIAL QUALITY, GALVANIZED STEEL.

B. ALL PIPES SHALL BE GALVANIZED, ONE PIECE WITHOUT JOINTS. FURNISH MOISTURE PROOF CAPS FOR ALL POSTS.

C. ZINC COATING SHALL BE SMOOTH AND ESSENTIALLY FREE FROM LUMPS, GLOBS, OR POINTS.

D. MISCELLANEOUS MATERIAL SHALL BE GALVANIZED.

F. ALL POSTS SHALL BE SET IN MINIMUM 14 MPA (2000 PSI) (28-DAY COMPRESSIVE STRENGTH) CONCRETE, 25 MM (1 IN) AGGREGATE; NO AIR ENTRAPMENT.

2.2 SUGGESTED MANUFACTURER: COCHRANE STEEL

2.3 DESCRIPTION OF FENCE SYSTEM

A. POST:
POST SHALL BE ___M LONG (IT CAN BE IN ANY HEIGHT) COCHRANE TAPER LOCKING POST.
POST WIDTH SHALL BE 85 MM - TAPERING TO 45 MM WITH A DEPTH OF 85 MM.
POST SHALL INCLUDE 'LOCKING RECESS MECHANISM' TO SECURE PANEL EDGE.
POST SHALL BE SEALED WITH A UV STABILIZED POLYMER CAP.
POST FINISH SHALL BE 'HOT DIPPED GALVANIZED, THEN COATED (ACID MODIFIED) '.

B. PANEL:
PANEL SHALL BE OF 3.297 M WIDTH AND ___M IN HEIGHT (IT CAN BE IN ANY HEIGHT).
PANEL APERTURE SIZE (CENTRES) SHALL BE 76.2 MM X 1.27 MM.
WIRE DIAMETER WILL BE 3MM/4MM
THE PANEL SHALL BE REINFORCED WITH 4 X 50 MM DEEP 'V' FORMATION HORIZONTAL RECESSED BANDS (RIGIDITY)
PANEL SHALL HAVE 2 X75MM 70° FLANGED ALONG SIDES (INTERNAL FIXTURES- ALL FIXTURES SHALL BE ON THE INSIDE OF FENCE LINE)
PANEL SHALL HAVE 2 X 30° FLANGES ALONG TOP AND TOE (INTEGRATED RIGID ANGLE, ANTI-SCALE LOCATING DEVICES).
PANEL POST SHALL HAVE A FLUSH PANEL POST FINISH WITH NO CLIMBING AID.
PANEL SHALL BE AFFIXED TO POST OVER 48 LINE WIRES USING 8 X DOUBLE BOLT COMB CLAMPS AND 8 X SINGLE BOLT COMB CLAMPS USING 24 X ANTI VANDAL BOLTS.
PANEL AND FIXTURES SHALL BE GALVANIZED, THEN COATED (ACID MODIFIED).

C. FENCE CORNER CONFIGURATION. THE FENCE CONFIGURATION SHOULD NOT HAVE ANY SHARP CORNERS AND ALL ANGLES AT CHANGES OF DIRECTION SHOULD BE A MINIMUM OF 130 DEGREES.

CLEARVU HIGH SECURITY FENCES AND GATES cont.

PART 3 - EXECUTION

3.1 General

A. Install all fencing and gates in accordance with the drawings, specifications, instructions, and as specified lines and grades indicated. Line posts shall be spaced at intervals of 3.382 m (10 ft). Terminal posts shall be set at abrupt changes in vertical and horizontal alignment.

3.2 Posts

A. Post holes shall be cleared of loose material. Waste material shall be spread where directed by Engineer. The ground surface irregularities along the fence line shall be eliminated to the extent necessary

High Security Fences and Gates

B. Posts shall be set plumb, and follow the indicated alignment. All posts shall be set to the depth indicated on the design documents. Concrete shall be thoroughly consolidated around each post, free of voids, and finished with a domed shaped surface, with the base of dome at grade elevation. Concrete shall be allowed to cure prior to installing any additional components to the posts.

C. Concrete footings shall be carried down to at least the depth indicated on the design documents and shall not be smaller than the dimensions shown. Where a rock layer is encountered within the required depth to which the post is to be erected, a hole of a diameter slightly larger than the largest dimension of the post may be drilled into the rock and the post grouted in. Then the regular concrete footing shall be placed between the top of the rock and the top of the footing elevation as shown on the design documents. Posts shall be approximately centred in their footings. All concrete shall be placed promptly and consolidated by tamping or other approved methods.

D. Where the ground is firm enough to permit excavation of the post hole to neat lines, the concrete may be placed without forms by completely filling the hole. Curing may be achieved by covering the concrete with not less than four inches of loose moist material immediately after placing concrete, or by using a curing compound. All excess material from footings, including loose material used for curing, shall be disposed of as directed by the Engineer

E. Where the ground cannot be satisfactorily excavated to neat lines, forms shall be used to place concrete for footings. Under these conditions the earth and forms coming in contact with the concrete shall be moistened and all ponded water shall be removed from the hole prior to placing concrete. When forms are removed, the footing shall be backfilled with moistened material, and thoroughly tamped. The top of the concrete shall then be covered with not less than 100 mm (4 in) of loose moistened material or use curing compound if the 7-days cure is not completed. All excess material from footings, including loose material used for curing, shall be disposed of as directed.

3.3 Gates

Gates shall be installed at the locations shown. Hinged gates shall be mounted to swing as indicated. Latches, stops, and keepers shall be installed as required. Slide gates shall be installed as recommended by the manufacturer.

3.4. Adjusting

A. Gate: Adjust gate to operate smoothly, easily, and quietly, free from binding, warp, excessive deflection, distortion, nonalignment, misplacement, disruption, or malfunction, throughout entire operational range. Confirm that latches and locks engage accurately and securely without forcing or binding.
B. Lubricate hardware and other moving parts

General Grading Notes:

- 1) All trees to be planted in either an elevated berm or elevated planter. There shall be a minimum of 3' of clean soil between the top of the non permeable soil slab and the area where with the trees are to be planted.
- 2) City will provide all soil testing on site.
- 3) Contractor to provide licensed hazardous waste hauler and provide manifest copies to the City prior to completion of the project.
- 4) Contractor to pay and process a City of Los Angeles Department of Building and Safety grading and haul route permit.
- 5) If any abandoned oil wells are encountered, the contractor shall contact the State Division of Oil, Gas and Geothermal Resources for inspection and direction. All work within an approximate radius of 50 feet, and or any work that is requiring a access through the radius as indicated above, of any unforeseen oil well shall stop until appropriate direction is received from the City.
- 6) Contractor shall have identified an area for stockpiling of soil while contamination soil results are being assembled. Stockpile shall be covered with Visqueen and secured until a appropriate site for disposal and or reuse is identified.
- 7) Site shall be secured with 6 foot temporary chain link fencing for the duration of the contract. During site grading and excavation, an onsite, unarmed security officer is required.
- 8) Any railroad tracks encountered shall be recycled. Railroad ties shall be disposed of at appropriate landfill.
- 9) All grading & drainage plans and sportsfield lighting foundations shall be designed, approved, wet stamped, and signed by a California licensed civil engineer.



PARK PROUD LA

THE CITY OF LOS ANGELES
DEPARTMENT OF RECREATION AND PARKS
SUPERINTENDENT: CATHE SANTO DOMINGO
GENERAL MANAGER: MICHAEL SHULL
PROJECT LANDSCAPE ARCHITECT: _____ LIC. NO. _____
PROJECT ENGINEER: _____ LIC. NO. _____
AS-BUILT DRAWN BY: _____ DATE: _____



PROJECT NAME:
**WEST LAKESIDE STREET
PARK**
ADDRESS:
**15275 W. LAKESIDE STREET
LOS ANGELES, CA 91342**

REVISIONS:	DATE:
△	
△	
△	
△	
△	
△	

PLAN NAME:
SPECIFICATIONS

DRAWN BY: MWL	APPROVED BY:
SCALE: AS SHOWN	ISSUE DATE: 1-22-2018
W.O. NO.	FILE NO.

DRAWING NO.
LS-3
SHEET 9 OF 43 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.

DEMOLITION NOTES:

1. DEMOLITION AND REMOVAL WORK SHALL BE CAREFULLY PERFORMED TO AVOID DAMAGE TO EXISTING TREES NOTED ON THE PLANS AS REMAINING.
2. ALL REMOVAL WORK (EXCEPT AS NOTED) SHALL BE DISPOSED OF OFF-SITE, IN A LEGAL MANNER, AT THE CONTRACTOR'S EXPENSE.
3. CLEAR THE SITE OF GRASS, WEED GROWTH, RUBBISH, DEBRIS, PAVEMENT, CONCRETE, INACTIVE OR ABANDONED FACILITIES, ETC. THAT ARE TO BE REMOVED FOR CONSTRUCTION OF THE SITE IMPROVEMENTS TO THE LIMITS AND DEPTHS SHOWN ON THE PLANS.
4. ABANDONED UNDERGROUND FACILITIES (VERIFIED BY THE CITY OF LOS ANGELES, DEPT. OF RECREATION AND PARKS), ROOTS, ROOTBALLS, THREE INCHES IN DIAMETER AND LARGER, ROCKS AND BROKEN MASONRY LARGER THAN FOUR INCHES IN ANY DIMENSION SHALL BE REMOVED TO A MINIMUM DEPTH OF 12" BELOW FINISH GRADE.
5. MISCELLANEOUS INACTIVE OR ABANDONED UNDERGROUND FACILITIES LOCATED 12 INCHES OR MORE BELOW FINISH GRADE MAY BE REMOVED WITH CITY OF LOS ANGELES, DEPARTMENT OF RECREATION AND PARKS APPROVAL.
6. MISCELLANEOUS ACTIVE LINES WITHIN 12 INCHES OF FINISH GRADE THAT ARE UNCOVERED DURING THE GRADING OPERATIONS SHALL BE PROTECTED.
7. ALL DELETERIOUS MATERIALS WITHIN THE LIMITS OF THE WORK SHALL BE DISPOSED OF OFF SITE BY THE CONTRACTOR, WHO SHALL MAKE ALL NECESSARY ARRANGEMENTS AND PAY ALL RELATED COSTS.
8. ACTIVE UTILITIES SHALL BE PROTECTED BY AND AT THE EXPENSE OF THE CONTRACTOR. KEEP ANY REQUIRED UTILITY IN OPERATING CONDITIONS DURING ENTIRE PERIOD OF WORK, INCLUDING EXISTING IRRIGATION SYSTEMS FOR LANDSCAPE MAINTENANCE.
9. INACTIVE OR ABANDONED UTILITIES SHALL BE DISCONNECTED, REMOVED, AND PLUGGED OR CAPPED SUBJECT TO THE LOCAL GOVERNING ORDINANCES.
10. SHOULD THE CONTRACTOR ENCOUNTER ANY EXISTING UNDERGROUND UTILITIES NOT SHOWN ON THE DRAWINGS, HE SHALL IMMEDIATELY NOTIFY THE CITY OF LOS ANGELES DEPARTMENT REPRESENTATIVE WHO WILL DETERMINE FURTHER PROCEDURE.
11. BURNING OF DEBRIS WILL NOT BE PERMITTED EXCEPT BY WRITTEN PERMISSION FROM THE AIR POLLUTION CONTROL AUTHORITIES AND LOS ANGELES FIRE DEPARTMENT.

LEGEND:

- 1 EXISTING CHAIN LINK FENCE TO BE REMOVED. PROVIDE TEMPORARY CHAIN LINK FENCING WHEN EXISTING FENCE IS REMOVED BUT NEW FENCING HAS NOT BEEN INSTALLED. ENTIRE PROJECT SITE SHALL BE FENCED AT ALL TIME DURING CONSTRUCTION.
- 2 EXISTING TREE TO REMAIN, PROTECT IN PLACE.
- 3 EXISTING RETAINING BLOCK WALL TO REMAIN, PROTECT IN PLACE.
- 4 EXISTING NON RETAINING WALL TO REMAIN, PROTECT IN PLACE.
- 5 EXISTING CHAIN LINK FENCE AROUND CONCRETE STORM DRAIN INLET TO REMAIN, PROTECT IN PLACE.
- 6 EXISTING CONCRETE STORM DRAIN INLET TO REMAIN, PROTECT IN PLACE.
- 7 EXISTING MANHOLE TO REMAIN, PROTECT IN PLACE.
- 8 EXISTING POWER POLE TO REMAIN, PROTECT IN PLACE.
- 9 EXISTING LIGHT POLE TO REMAIN, PROTECT IN PLACE.
- 10 EXSITING VEGETATION TO BE REMOVED.
- 11 EXSITING SWALE TO REMAIN, PROTECT IN PLACE.
- 12 EXSITING PALM TREE TO BE REMOVED.

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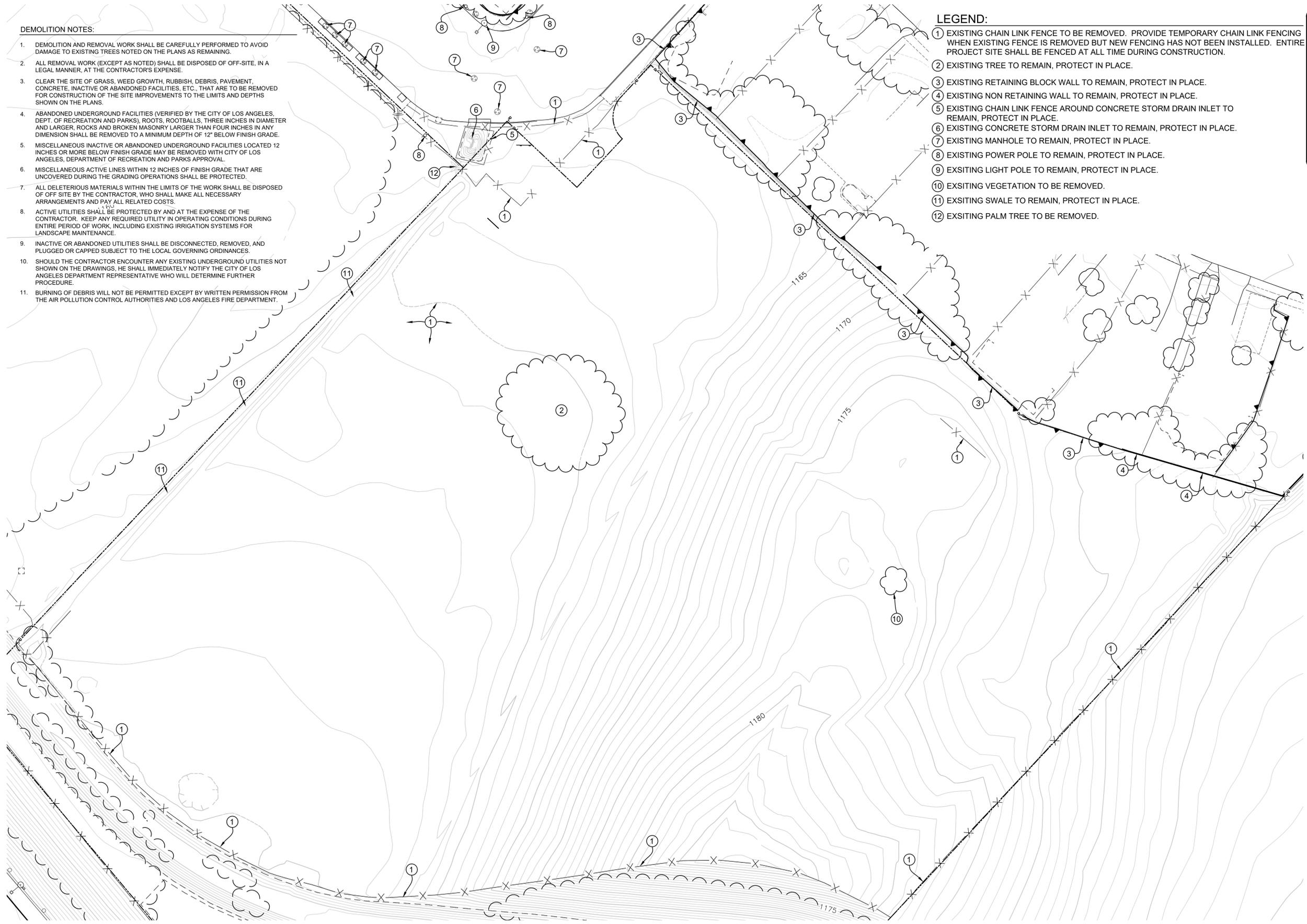


PARK PROUD LA

THE CITY OF LOS ANGELES
DEPARTMENT OF RECREATION AND PARKS

GENERAL MANAGER: MICHAEL SHULL
SUPERINTENDENT: CATHIE SANTO DOMINGO

PROJECT LANDSCAPE ARCHITECT: _____ DE. NO. _____
PROJECT ENGINEER: _____ DATE: _____
AS-BUILT DRAWN BY: _____



PROJECT NAME:
**WEST LAKESIDE STREET
PARK**

ADDRESS:
**15275 W. LAKESIDE STREET
LOS ANGELES, CA 91342**

REVISIONS:	DATE:

PLAN NAME:
**DEMOLITION
PLAN**

DRAWN BY: _____ APPROVED BY: _____

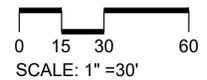
SCALE: MWL ISSUE DATE: 1-22-2018

W.O. NO. AS SHOWN FILE NO.

DRAWING NO.

LS-4.0

SHEET 10 OF 43 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.



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PARK PROUD LA

THE CITY OF LOS ANGELES
DEPARTMENT OF RECREATION AND PARKS

GENERAL MANAGER: MICHAEL SHULL SUPERINTENDENT: CATHIE SANTO DOMINGO

PROJECT LANDSCAPE ARCHITECT: _____ LIC. NO. _____
PROJECT ENGINEER: _____ LIC. NO. _____
AS-BUILT DRAWN BY: _____ DATE: _____



PROJECT NAME:
**WEST LAKESIDE STREET
PARK**
ADDRESS:
**15275 W. LAKESIDE STREET
LOS ANGELES, CA 91342**

REVISIONS:	DATE:

PLAN NAME:
**LAYOUT
PLAN -
OVERALL**

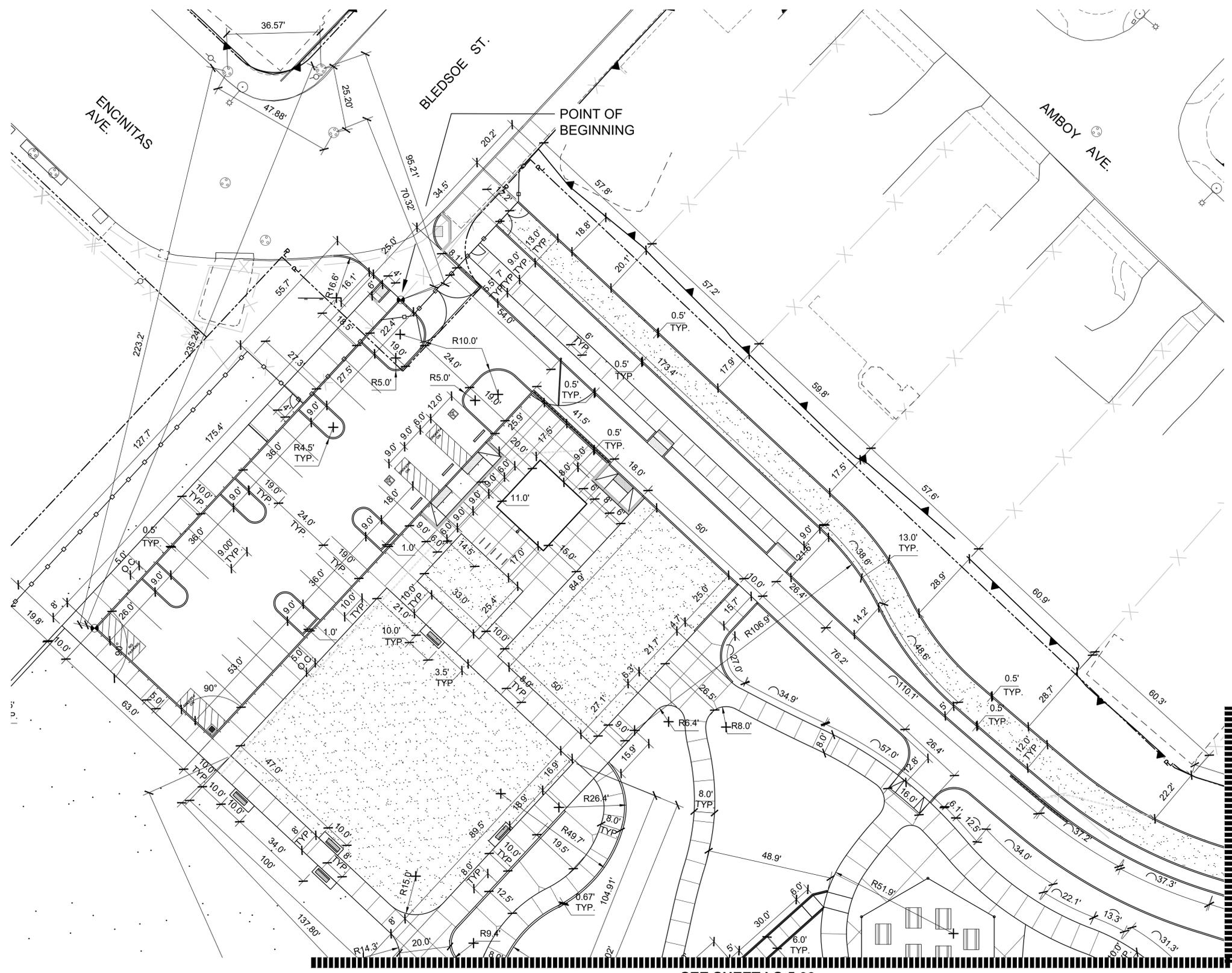
DRAWN BY: _____ APPROVED BY: _____

SCALE: MWL ISSUE DATE: 1-22-2018
W.O. NO. AS SHOWN FILE NO. _____

DRAWING NO.
LS-5.0
SHEET 11 of 43 SHEETS



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

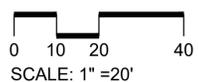


SEE SHEET LS-5.02

SEE SHEET LS-5.02

CONSTRUCTION NOTES:

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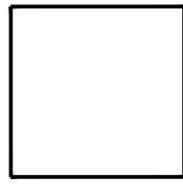
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PARK PROUD LA

THE CITY OF LOS ANGELES
 DEPARTMENT OF RECREATION AND PARKS
 SUPERINTENDENT: CATIE SANTO DOMINGO
 GENERAL MANAGER: MICHAEL SHULL
 PROJECT LANDSCAPE ARCHITECT:
 PRODUCT ENGINEER:
 AS-BUILT DRAWN BY:



PROJECT NAME:
**WEST LAKESIDE STREET
 PARK**
 ADDRESS:
**15275 W. LAKESIDE STREET
 LOS ANGELES, CA 91342**

REVISIONS:	DATE:

PLAN NAME:
LAYOUT
PLAN

DRAWN BY: MWL	APPROVED BY:
SCALE: AS SHOWN	ISSUE DATE: 1-22-2018
W.O. NO.	FILE NO.

DRAWING NO.
LS-5.01

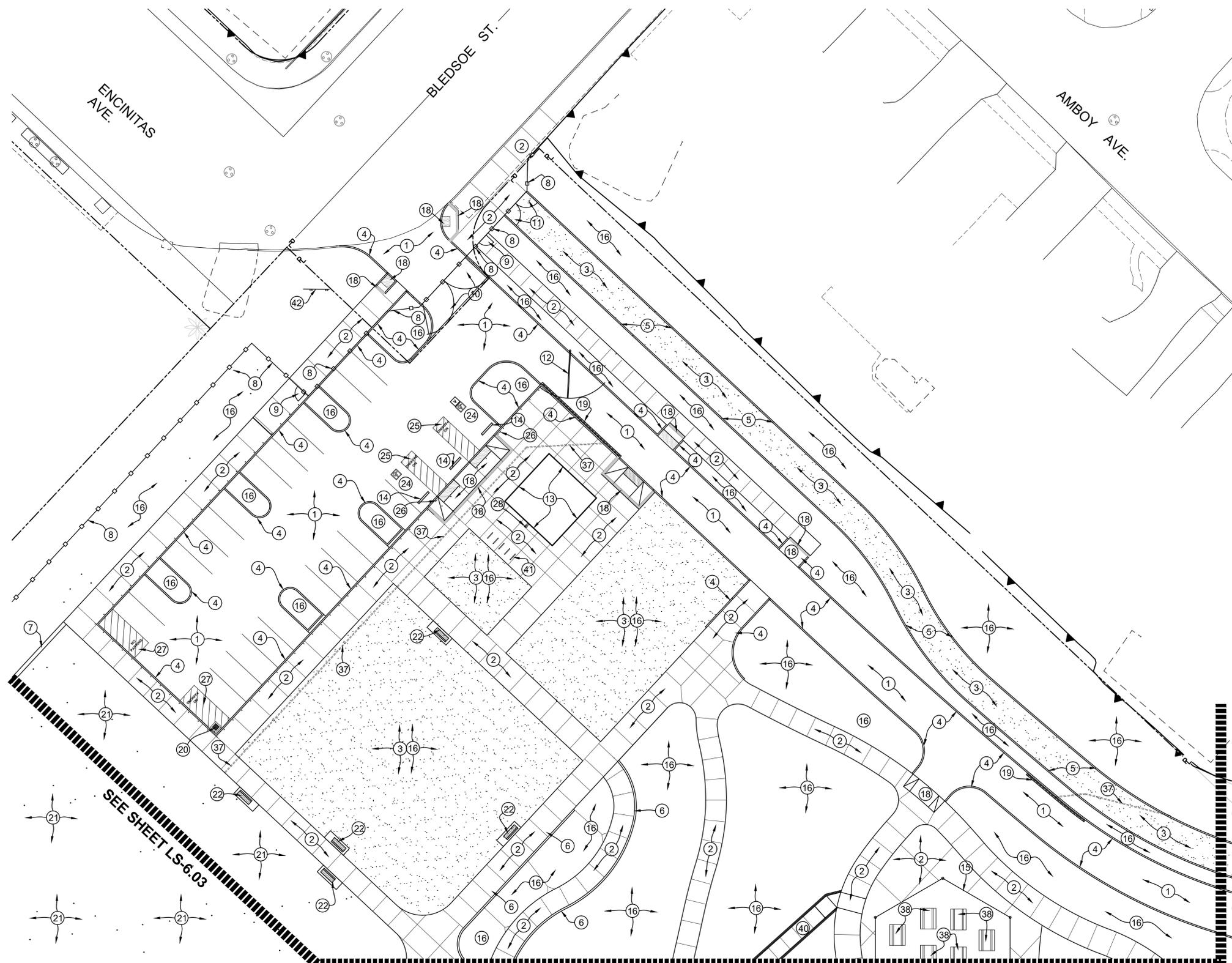
SHEET 12 OF 43 SHEETS

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PARK PROUD LA

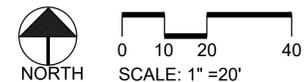
THE CITY OF LOS ANGELES
DEPARTMENT OF RECREATION AND PARKS
SUPERINTENDENT: CATHE SANTI DOMINGO
GENERAL MANAGER: MICHAEL SHULL
PROJECT LANDSCAPE ARCHITECT:
PROJECT ENGINEER:
AS SHEETS DRAWN BY:



- LEGEND:**
- ① 4" THICK ASPHALT CONCRETE PAVING ON BASE, SEE DETAIL 'A', SHEET LS-6.1.
 - ② 5-1/2" THICK CONCRETE PAVING ON BASE, SEE DETAIL 'B', SHEET LS-6.1
 - ③ 3" STABILIZED DECOMPOSED GRANITE PAVING ON BASE, SEE DETAIL 'F', SHEET LS-6.1.
 - ④ 6" WIDE CONCRETE CURB, SEE DETAIL 'G', SHEET LS-6.1.
 - ⑤ 6" WIDE CONCRETE MOW STRIP, SEE DETAIL 'H', SHEET LS-6.1.
 - ⑥ CONCRETE RETAINING WALL, 2.5' HIGH MAXIMUM WITH CONCRETE GROOVE, SEE DETAIL 'A', SHEET LS-6.5 AND DETAIL 'E', SHEET LS-6.1 & GRADING PLAN.
 - ⑦ CONCRETE MOW STRIP AT FENCE, SEE DETAIL 'J', SHEET LS-6.1.
 - ⑧ 8' HIGH CLEARVU FENCE, MFR. BY COCHRANE USA, CONTACT: ORAN BLUMENSON, (281) 898-3277, oblumenson@cochrane.co, SEE DETAIL 'F', SHEET LS-6.3 OR APPROVED EQUAL. SUBMIT SHOP DRAWINGS FOR APPROVAL PRIOR TO INSTALLATION.
 - ⑨ 8' HIGH, 4' WIDE SINGLE CLEARVU GATE, MFR. BY COCHRANE USA, CONTACT: ORAN BLUMENSON, (281) 898-3277, oblumenson@cochrane.co, WITH TRILOGY LOCK AND PANIC HARDWARE OR APPROVED EQUAL. SUBMIT SHOP DRAWINGS FOR APPROVAL PRIOR TO INSTALLATION.
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 - ⑫ 3'-6" HIGH BY 18" WIDE RINO GATE, SEE DETAIL 'I', SHEET LS-6.1.
 - ⑬ NEW PREFABRICATED RESTROOM BUILDING UNDER SEPARATE PERMIT. MFR. BY PUBLIC RESTROOM COMPANY, CONTACT: CHAD KAUFMAN, (888) 888-2060 EXT. 109, chad@publicrestroomcompany.com, OR APPROVED EQUAL (NOT IN CONTRACT).
 - ⑭ CONCRETE WHEEL STOP, SIZE 5" X 9" X 6", SUBMIT SHOP DRAWING TO CITY ENGINEER FOR APPROVAL PRIOR TO INSTALLATION.
 - ⑮ SHADE STRUCTURE AT PICNIC AREA UNDER SEPARATE PERMIT, MFR. BY USA SHADE, CONTACT: ELIZABETH NORTON, (323) 490-9502, enorton@usa-shade.com, OR APPROVED EQUAL.
 - ⑯ PLANTING AREA, SEE PLANTING PLAN, SHEET LS-9.0 TO LS-9.04.
 - ⑰ COBBLE PAVERS, PAVERS TO BE PROVIDED BY DEPARTMENT OF RECREATION OF PARKS, SEE DETAILS 'F' & 'G', SHEET LS-6.2.
 - ⑱ CONCRETE CURB RAMP PER LADPW, B.O.E. STANDARD PLAN S-442-3.
 - ⑲ 6" PIPE DIAMETER WITH 6" SLOT HEIGHT DURASLOT SURFACE DRAINS BY ADS, SEE DETAIL 'G' & 'H', SHEET LS-6.5, INSTALL PER MANUFACTURER SPECS.
 - ⑳ 24"x24" CAST IRON ADA GRATE AND CONCRETE CATCH BASIN, SEE DETAIL 'D', SHEET LS-6.2.
 - ㉑ NEW TURF AREA, SEE PLANTING PLAN, SHEET LS-9.0 TO LS-9.03.
 - ㉒ NEW 6' WIDE 'BOWERY' STEEL BENCH WITH MIDDLE ARM REST ON CONCRETE PAD, MFR. BY CANTERBURY INTERNATIONAL, TEL: (800) 935-711, SEE DETAIL 'C', SHEET LS-6.2 OR APPROVED EQUAL. SUBMIT SHOP DRAWINGS FOR APPROVAL PRIOR TO INSTALLATION.
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 - ㉕ HANDICAPPED PARKING STALL, SEE DETAIL 'B', SHEET LS-6.2.
 - ㉖ DISABLED / CAR ACCESSIBLE AND H/C TOW AWAY SIGNAGE, SEE DETAIL 'A', SHEET LS-6.2.
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 - ㉚ CONCRETE STEPS, SEE DETAIL 'D', SHEET 'LS-6.5.
 - ㉛ HANDRAIL AT STEPS, SEE DETAIL 'E', SHEET 'LS-6.5.
 - ㉜ COLORED STAMPED CONCRETE PAVING, SEE DETAIL 'B', SHEET 'LS-6.1. COLORS TO BE DETERMINED. STAMPED PATTERN TO BE BRICKFORM 'ROTATING VENETIAN MARBLE' OR APPROVED EQUAL.
 - ㉝ 4" DIAMETER PERFORATED PVC DRAIN PIPE IN 3/4" GRAVEL, SEE DETAIL 'F', SHEET LS-6.5.
 - ㉞ 12"x12" NDS CATCH BASIN WITH VANDAL PROOF SOLID COVER OR APPROVED EQUAL, 800-726-1994 OR 'www.NDSPRO.COM', SUBMIT SHOP DRAWINGS FOR APPROVAL PRIOR TO INSTALLATION.
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 - ㊲ 4" DIAMETER ADS N-12 DRAIN PIPE CONNECTED TO ADS DRAINSLOT PIPE, PIPE SLOPES TO DRAIN AT 0.5% MINIMUM, PROVIDE END CAP TO PIPE TO DRAIN.
 - ㊳ PICNIC TABLE, SEE DETAIL 'B', SHEET LS-6.4, COLOR: TERRACOTTA, TEXTURE: SMOOTH, SEALER: STANDARD
 - ㊴ ADA PICNIC TABLE, SEE DETAIL 'A', SHEET LS-6.4, COLOR: TERRACOTTA, TEXTURE: SMOOTH, SEALER: STANDARD

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- ④⑩ NEW CONCRETE RAMP WITH 4" RAISED GUIDE CURB & HANDRAILS BOTH SIDES, SEE DETAIL 'C', SHEET LS-6.4.
- ④① NEW BIKE RACK BY SPORTWORKS, MODEL # OAHU NO SCRATCH, CONTACT: www.sportworks.com
- ④② NEW PARK FACILITY SIGN, SEE DETAILS 'C' & 'G', SHEET LS-6.6



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ADDRESS:
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LOS ANGELES, CA 91342

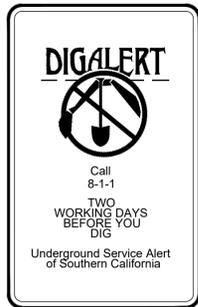
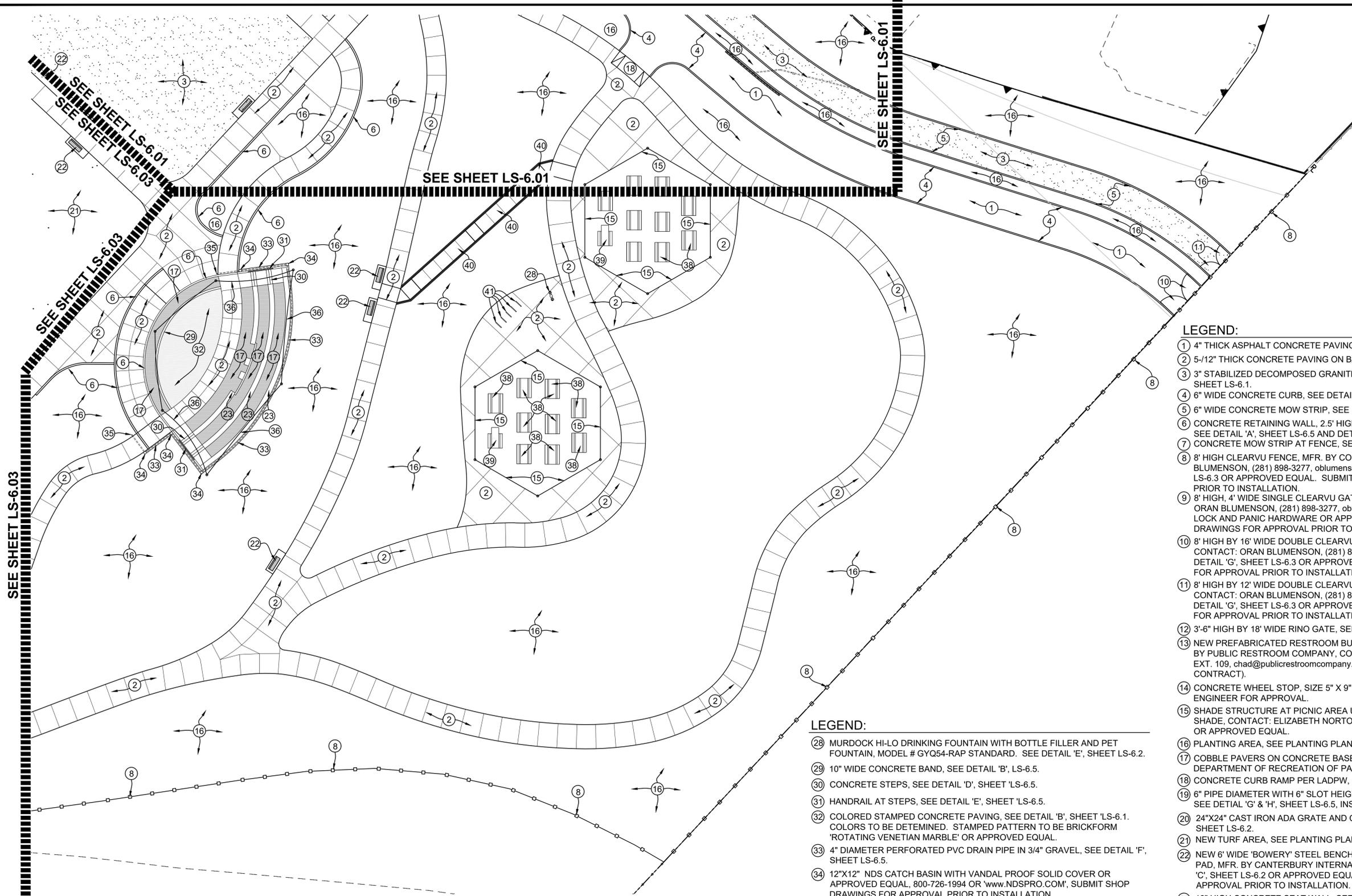
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PLAN NAME:
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PLAN**

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SCALE: AS SHOWN	ISSUE DATE: 1-22-2018
W.O. NO.	FILE NO.

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LS-6.01
SHEET 15 OF 43 SHEETS

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



THE CITY OF LOS ANGELES DEPARTMENT OF RECREATION AND PARKS SUPERINTENDENT: CATHE SANTO DOMINGO GENERAL MANAGER: MICHAEL SHULL PROJECT LANDSCAPE ARCHITECT: PROJECT ENGINEER: AS-BUILT DRAWN BY: DATE:

LEGEND:

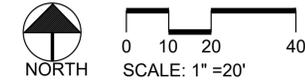
- 1 4" THICK ASPHALT CONCRETE PAVING ON BASE, SEE DETAIL 'A', SHEET LS-6.1.
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16 PLANTING AREA, SEE PLANTING PLAN, SHEET LS-9.0 TO LS-9.03.
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18 CONCRETE CURB RAMP PER LADPW, B.O.E. STANDARD PLAN S-442-3.
19 6" PIPE DIAMETER WITH 6" SLOT HEIGHT DURASLOT SURFACE DRAINS BY ADS, SEE DETAIL 'G' & 'H', SHEET LS-6.5, INSTALL PER MANUFACTURER SPECS.
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27 NO PARKING ZONE SURFACE IDENTIFICATION IN 4" STROKE WHITE STRIPE, APPROVED WHITE PAINT, @ 36" O.C., 45".

LEGEND:

- 28 MURDOCK HI-LO DRINKING FOUNTAIN WITH BOTTLE FILLER AND PET FOUNTAIN, MODEL # GYQ54-RAP STANDARD. SEE DETAIL 'E', SHEET LS-6.2.
29 10" WIDE CONCRETE BAND, SEE DETAIL 'B', LS-6.5.
30 CONCRETE STEPS, SEE DETAIL 'D', SHEET 'LS-6.5.
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38 PICNIC TABLE, SEE DETAIL 'B', SHEET LS-6.4, COLOR: TERRACOTTA, TEXTURE: SMOOTH, SEALER: STANDARD
39 ADA PICNIC TABLE, SEE DETAIL 'A', SHEET LS-6.4, COLOR: TERRACOTTA, TEXTURE: SMOOTH, SEALER: STANDARD
40 NEW CONCRETE RAMP WITH 4" RAISED GUIDE CURB & HANDRAILS BOTH SIDES, SEE DETAIL 'C', SHEET LS-6.4.
41 NEW BIKE RACK BY SPORTWORKS, MODEL # OAHU NO SCRATCH, CONTACT: www.sportworks.com
42 NEW PARK FACILITY SIGN, SEE DETAILS 'C' & 'G', SHEET LS-6.6

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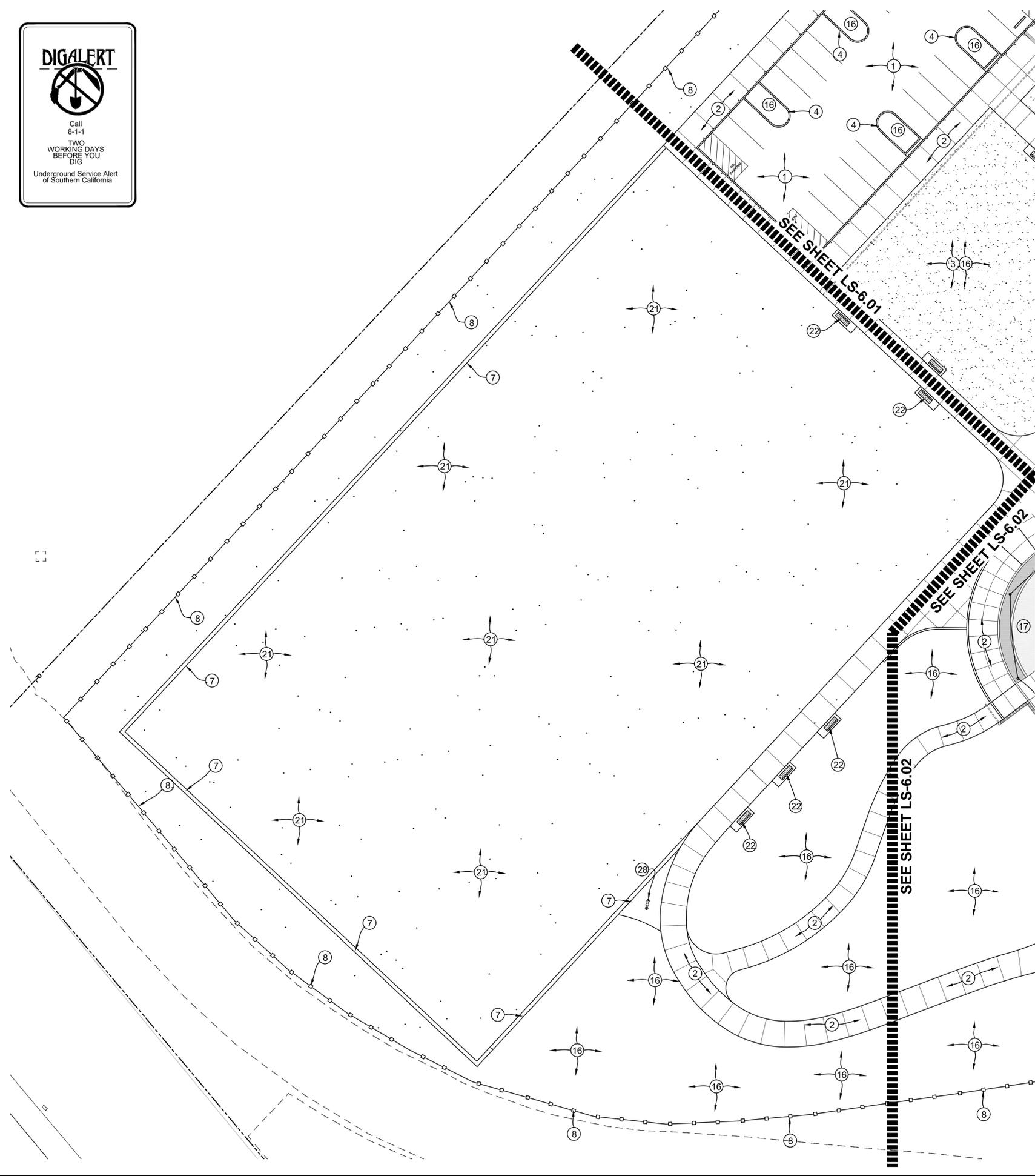
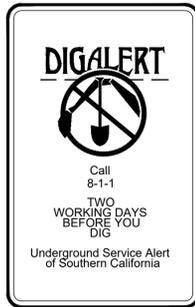


PROJECT NAME: WEST LAKESIDE STREET PARK ADDRESS: 15275 W. LAKESIDE STREET LOS ANGELES, CA 91342

Table with columns: REVISIONS, DATE. Contains revision markers (triangles) and empty rows.

PLAN NAME: CALLOUT PLAN DRAWN BY: MWL APPROVED BY: AS SHOWN ISSUE DATE: 1-22-2018 W.O. NO. FILE NO. DRAWING NO. LS-6.02 SHEET 16 OF 43 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.

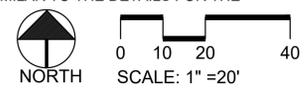


LEGEND:

- 1 4" THICK ASPHALT CONCRETE PAVING ON BASE, SEE DETAIL 'A', SHEET LS-6.1.
- 2 5-1/2" THICK CONCRETE PAVING ON BASE, SEE DETAIL 'B', SHEET LS-6.1
- 3 3" STABILIZED DECOMPOSED GRANITE PAVING ON BASE, SEE DETAIL 'F', SHEET LS-6.1.
- 4 6" WIDE CONCRETE CURB, SEE DETAIL 'G', SHEET LS-6.1.
- 5 6" WIDE CONCRETE MOW STRIP, SEE DETAIL 'H', SHEET LS-6.1.
- 6 CONCRETE RETAINING WALL, 2.5' HIGH MAXIMUM WITH CONCRETE GROOVE, SEE DETAIL 'A', SHEET LS-6.5 AND DETAIL 'E', SHEET LS-6.1.
- 7 CONCRETE MOW STRIP AT FENCE, SEE DETAIL 'J', SHEET LS-6.1.
- 8 8' HIGH CLEARVU FENCE, MFR. BY COCHRANE USA, CONTACT: ORAN BLUMENSON, (281) 898-3277, oblumenson@cochrane.co, SEE DETAIL 'F', SHEET LS-6.3 OR APPROVED EQUAL. SUBMIT SHOP DRAWINGS FOR APPROVAL PRIOR TO INSTALLATION.
- 9 8' HIGH, 4' WIDE SINGLE CLEARVU GATE, MFR. BY COCHRANE USA, CONTACT: ORAN BLUMENSON, (281) 898-3277, oblumenson@cochrane.co, WITH TRILOGY LOCK AND PANIC HARDWARE OR APPROVED EQUAL. SUBMIT SHOP DRAWINGS FOR APPROVAL PRIOR TO INSTALLATION.
- 10 8' HIGH BY 16' WIDE DOUBLE CLEARVU GATES, MFR. BY COCHRANE USA, CONTACT: ORAN BLUMENSON, (281) 898-3277, oblumenson@cochrane.co, SEE DETAIL 'G', SHEET LS-6.3 OR APPROVED EQUAL. SUBMIT SHOP DRAWINGS FOR APPROVAL PRIOR TO INSTALLATION.
- 11 8' HIGH BY 12' WIDE DOUBLE CLEARVU GATES, MFR. BY COCHRANE USA, CONTACT: ORAN BLUMENSON, (281) 898-3277, oblumenson@cochrane.co, SEE DETAIL 'G', SHEET LS-6.3 OR APPROVED EQUAL. SUBMIT SHOP DRAWINGS FOR APPROVAL PRIOR TO INSTALLATION.
- 12 3'-6" HIGH BY 18" WIDE RINO GATE, SEE DETAIL 'I', SHEET LS-6.1.
- 13 NEW PREFABRICATED RESTROOM BUILDING UNDER SEPARATE PERMIT. MFR. BY PUBLIC RESTROOM COMPANY, CONTACT: CHAD KAUFMAN, (888) 888-2060 EXT. 109, chad@publicrestroomcompany.com OR APPROVED EQUAL. (NOT IN CONTRACT).
- 14 CONCRETE WHEEL STOP, SIZE 5" X 9" X 6", SUBMIT SHOP DRAWING TO CITY ENGINEER FOR APPROVAL.
- 15 SHADE STRUCTURE UNDER SEPARATE PERMIT, MFR. BY USA SHADE, CONTACT: ELIZABETH NORTON, (323) 490-9502, enorton@usa-shade.com, OR APPROVED EQUAL.
- 16 PLANTING AREA, SEE PLANTING PLAN, SHEET LS-9.0 TO LS-9.03.
- 17 COBBLE PAVERS ON CONCRETE BASE, PAVERS TO BE PROVIDED BY DEPARTMENT OF RECREATION OF PARKS, SEE DETAILS 'F' & 'G', SHEET LS-6.2.
- 18 CONCRETE CURB RAMP PER LADPW, B.O.E. STANDARD PLAN S-442-3.
- 19 6" PIPE DIAMETER WITH 6" SLOT HEIGHT DURASLOT SURFACE DRAINS BY ADS, SEE DETAIL 'G' & 'H', SHEET LS-6.5, INSTALL PER MANUFACTURER SPECS.
- 20 24"x24" CAST IRON ADA GRATE AND CONCRETE CATCH BASIN, SEE DETAIL 'D', SHEET LS-6.2.
- 21 NEW TURF AREA, SEE PLANTING PLAN, SHEET LS-9.0 TO LS-9.04.
- 22 NEW 6" WIDE 'BOWERY' STEEL BENCH WITH MIDDLE ARM REST ON CONCRETE PAD, MFR. BY CANTERBURY INTERNATIONAL, TEL: (800) 935-711, SEE DETAIL 'C', SHEET LS-6.2 OR APPROVED EQUAL. SUBMIT SHOP DRAWINGS FOR APPROVAL PRIOR TO INSTALLATION.
- 23 18" HIGH CONCRETE SEAT WALL, SEE DETAIL 'C', SHEET LS-6.5
- 24 HANDICAPPED PARKING STALL W/ RE-STRIPE H/C SYMBOL. THE SPACE SLOPE SHALL NOT EXCEED 1 UNIT VERTICAL TO 50 UNITS HORIZONTAL IN ANY DIRECTION. PROVIDE A 36"x36" SURFACE IDENTIFICATION MARKING BY OUTLINING A PROFILE VIEW OF A WHEEL CHAIR IN WHITE ON BLUE BACKGROUND. VAN ACCESSIBLE SPACE IS PARKING LABEL [V].
- 25 HANDICAPPED PARKING STALL, SEE DETAIL 'B', SHEET LS-6.2.
- 26 DISABLED / CAR ACCESSIBLE AND H/C TOW AWAY SIGNAGE, SEE DETAIL 'A', SHEET LS-6.2.
- 27 NO PARKING ZONE SURFACE IDENTIFICATION IN 4" STROKE WHITE STRIPE, APPROVED WHITE PAINT, @ 36" O.C., 45°.
- 28 MURDOCK HI-LO DRINKING FOUNTAIN WITH BOTTLE FILLER AND PET FOUNTAIN, MODEL # GYQ54-RAP STANDARD. SEE DETAIL 'E', SHEET LS-6.2.
- 29 10" WIDE CONCRETE BAND, SEE DETAIL 'B', LS-6.5.
- 30 CONCRETE STEPS, SEE DETAIL 'D', SHEET 'LS-6.5.
- 31 HANDRAIL AT STEPS, SEE DETAIL 'E', SHEET 'LS-6.5.
- 32 COLORED STAMPED CONCRETE PAVING, SEE DETAIL 'B', SHEET 'LS-6.1. COLORS TO BE DETERMINED. STAMPED PATTERN TO BE BRICKFORM 'ROTATING VENETIAN MARBLE' OR APPROVED EQUAL.
- 33 4" DIAMETER PERFORATED PVC DRAIN PIPE IN 3/4" GRAVEL, SEE DETAIL 'F', SHEET LS-6.5.
- 34 12"x12" NDS CATCH BASIN WITH VANDAL PROOF SOLID COVER OR APPROVED EQUAL, 800-726-1994 OR 'www.NDSPRO.COM', SUBMIT SHOP DRAWINGS FOR APPROVAL PRIOR TO INSTALLATION.
- 35 4" POP-UP DRAINAGE EMITTER OR APPROVED EQUAL, NDS: 800-726-1994 OR 'www.NDSPRO.COM', SUBMIT SHOP DRAWINGS FOR APPROVAL PRIOR TO INSTALLATION.
- 36 SHADE STRUCTURE AT SEATING AREA UNDER SEPARATE PERMIT, MFR. BY USA SHADE, CONTACT: ELIZABETH NORTON, (323) 490-9502, enorton@usa-shade.com
- 37 4" DIAMETER ADS N-12 DRAIN PIPE CONNECTED TO ADS DRAINSLOT PIPE, PIPE SLOPES TO DRAIN AT 0.5% MINIMUM, PROVIDE END CAP TO PIPE TO DRAIN.
- 38 PICNIC TABLE, SEE DETAIL 'B', SHEET LS-6.4, COLOR: TERRACOTTA, TEXTURE: SMOOTH, SEALER: STANDARD
- 39 ADA PICNIC TABLE, SEE DETAIL 'A', SHEET LS-6.4, COLOR: TERRACOTTA, TEXTURE: SMOOTH, SEALER: STANDARD
- 40 NEW CONCRETE RAMP WITH 4" RAISED CURB & HANDRAILS BOTH SIDES, SEE DETAIL 'C', SHEET LS-6.4.
- 41 NEW BIKE RACK BY SPORTWORKS, MODEL # OAHU NO SCRATCH, CONTACT: www.sportworks.com
- 42 NEW PARK FACILITY SIGN, SEE DETAILS 'C' & 'G', SHEET LS-6.6

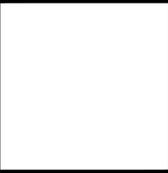
CONSTRUCTION NOTES:

1. ALL FORMS AND ALIGNMENTS OF PAVING AND LAYOUT SHALL BE REVIEWED AND APPROVED BY THE CITY'S AUTHORIZED REPRESENTATIVE PRIOR TO POURING (GIVE A MINIMUM OF 48 HOURS NOTICE).
2. CONTRACTOR SHALL VERIFY LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION AND SHALL BE HELD LIABLE FOR ALL DAMAGES INCURRED.
3. ALL CONSTRUCTION AND WORKMANSHIP SHALL CONFORM TO THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS.
4. THESE NOTES SHALL BE USED IN CONJUNCTION WITH THE PLANS AND ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT AND CITY'S REPRESENTATIVE.
5. CONTRACTOR MUST CHECK ALL DIMENSION AND SITE CONDITIONS BEFORE STARTING WORK. LANDSCAPE ARCHITECT SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES OR POSSIBLE DEFICIENCIES.
6. CONDITIONS NOT SPECIFICALLY SHOWN SHALL BE CONSTRUCTED SIMILAR TO THE DETAILS FOR THE RESPECTIVE MATERIALS.
7. CLEAN-UP SHALL TAKE PLACE ON A DAILY BASIS.



PARK PROUD LA

THE CITY OF LOS ANGELES DEPARTMENT OF RECREATION AND PARKS	SUPERINTENDENT: CATHIE SANTO DOMINGO	PROJECT LANDSCAPE ARCHITECT:	DATE:
GENERAL MANAGER: MICHAEL SHULL	PROJECT ENGINEER:	DATE:	DATE:
AS SHEETS DRAWN BY:			



PROJECT NAME:
WEST LAKESIDE STREET PARK
ADDRESS:
**15275 W. LAKESIDE STREET
LOS ANGELES, CA 91342**

REVISIONS:	DATE:

PLAN NAME:
CALLOUT PLAN

DRAWN BY: MWL	APPROVED BY:
SCALE: AS SHOWN	ISSUE DATE: 1-22-2018
W.O. NO.	FILE NO.

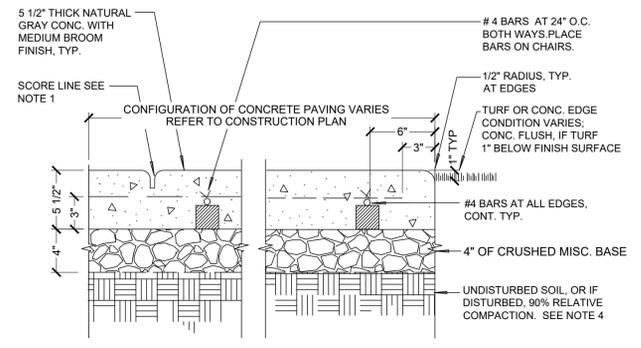
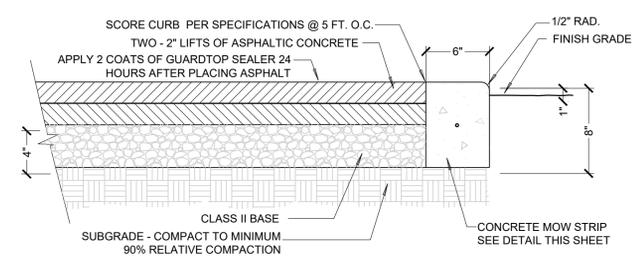
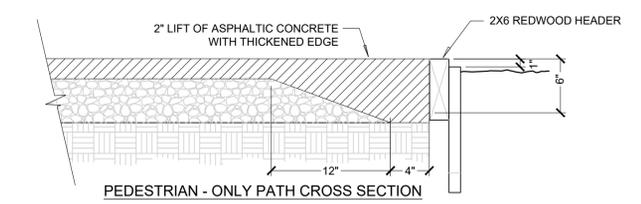
DRAWING NO.
LS-6.03
SHEET 17 OF 43 SHEETS

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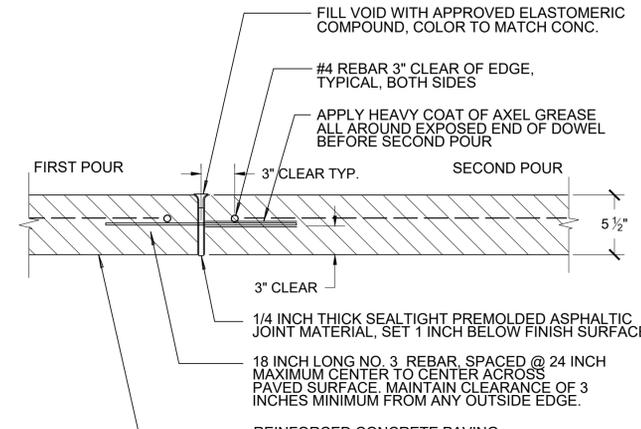


PARK PROUD LA

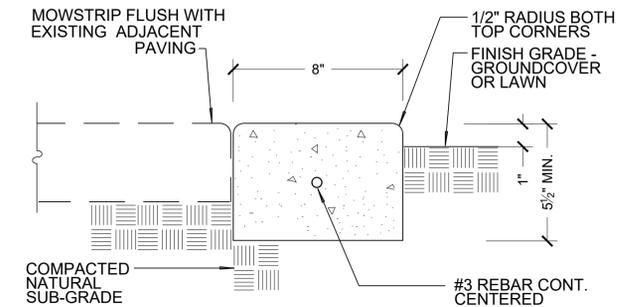
THE CITY OF LOS ANGELES
DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: MICHAEL SHULL
SUPERINTENDENT: CATHIE SANTO DOMINGO
PROJECT LANDSCAPE ARCHITECT:
PROJECT ENGINEER:
AS-BUILT DRAWING BY:



- NOTES:
1. PROVIDE TOOLED SCORE LINES, 1" DEEP, AT LOCATIONS SHOWN ON CONSTRUCTION PLAN
 2. EXPANSION JOINTS SHALL BE CONSTRUCTED AS SHOWN ON DETAIL 306. PROVIDE EXP. JOINT AGAINST PREVIOUSLY CONSTRUCTED FIXED ELEMENTS.
 3. END OF POUR JOINTS. SEE NOTICE TO CONTRACTORS.
 4. COMPACTION TESTS REQUIRED WHERE \oplus SYMBOL SHOWN



NOTE: MAINTAIN LINE AND GRADE AT EXPANSION JOINTS.



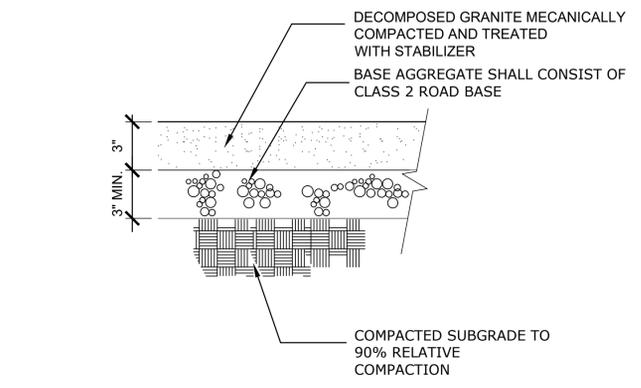
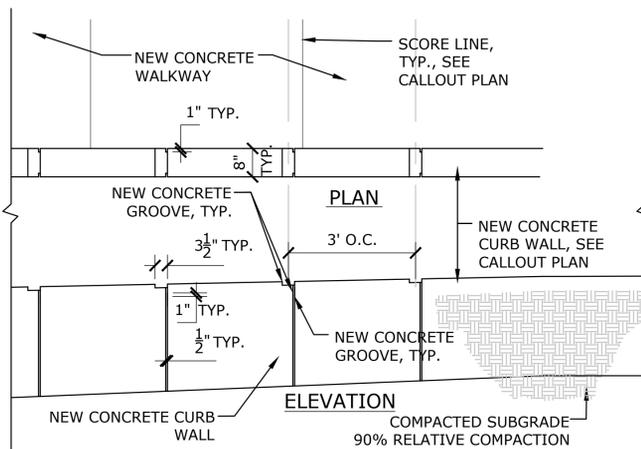
NOTE:
1. PLACE PLASTIC CONTROL JOINTS @ 10' ON CENTER AND AT ALL CHANGES IN DIRECTION.

A ASPHALT PAVING

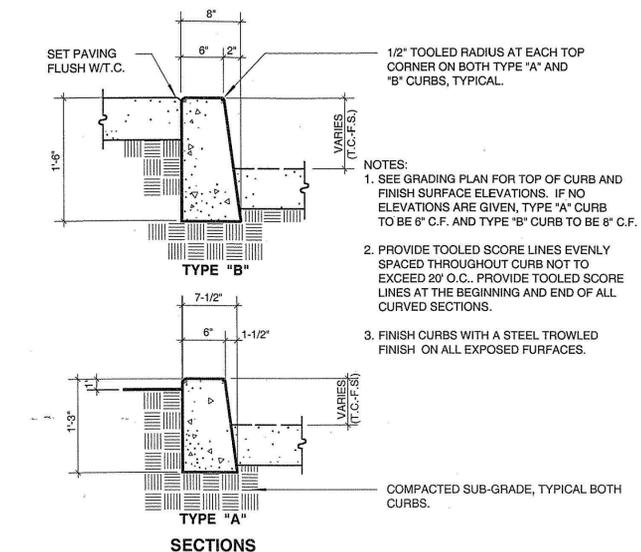
B CONCRETE PAVING WITH CMB

C DOWELED EXPANSION JOINT

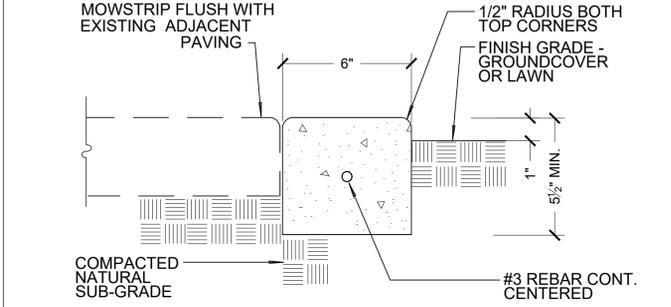
D 8" WIDE CONCRETE MOWSTRIP



- NOTES:
1. DECOMPOSED GRANITE SHALL BE PLACED IN 1" LIFTS AND MECHANICALLY COMPACTIONED.
 2. ALL EDGES TO BE RETAINED WITH HEADERBOARD OR CONCRETE MOWSTRIP SHALL BE NOTED ON CONSTRUCTION PLAN.
 3. SEE SPECIFICATIONS FOR DECOMPOSED GRANITE SPECIFICATION. COLOR SHALL BE "CALIFORNIA GOLD" OR EQUAL.



G 6" WIDE CONCRETE CURB



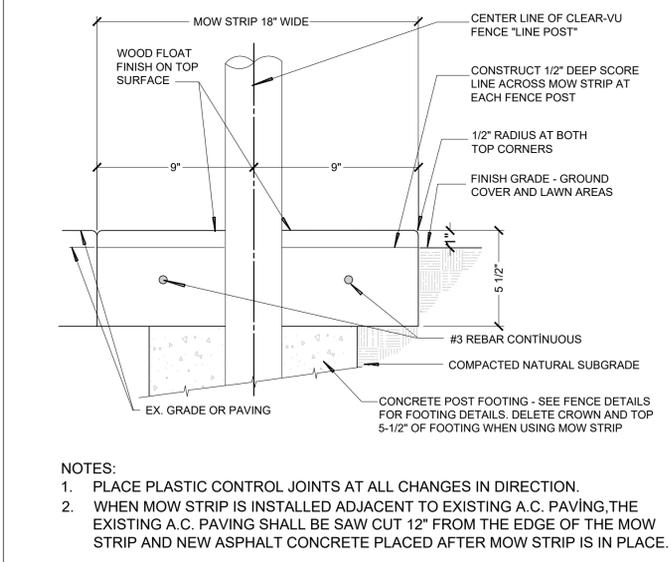
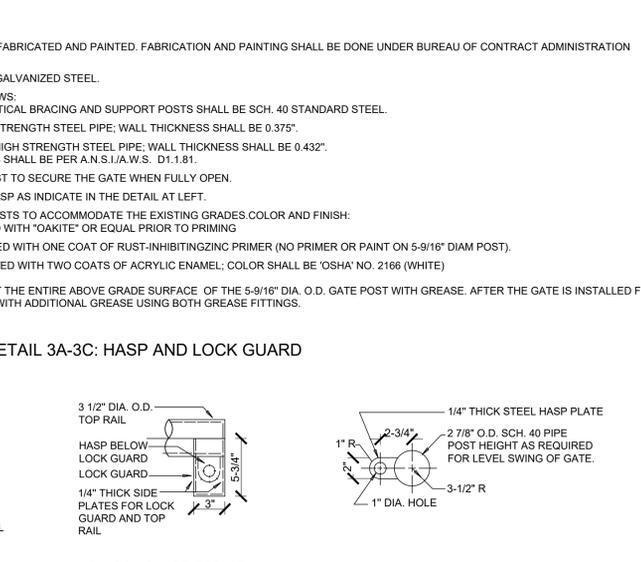
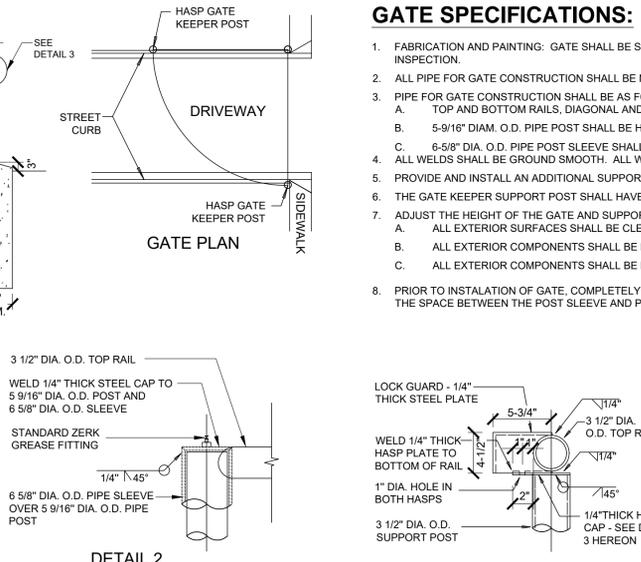
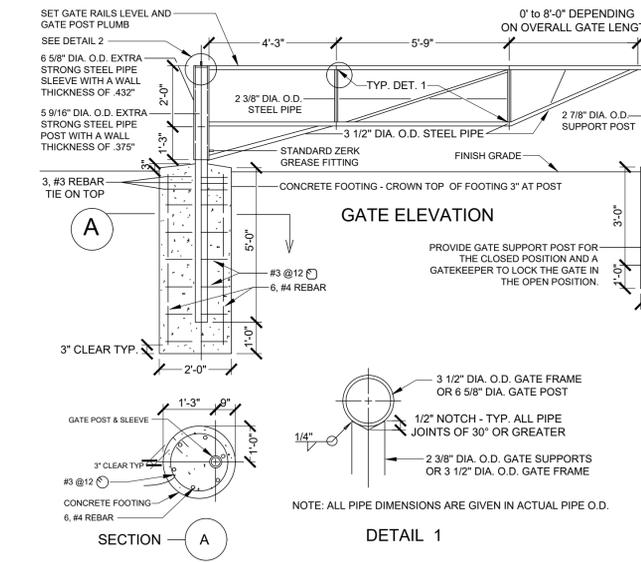
NOTE:
1. PLACE PLASTIC CONTROL JOINTS @ 10' ON CENTER AND AT ALL CHANGES IN DIRECTION.

E CONCRETE GROOVE AT CONCRETE CURB WALL

F STABILIZED DECOMPOSED GRANITE PAVING

G 6" WIDE CONCRETE CURB

H 6" WIDE CONCRETE MOWSTRIP



- NOTES:
1. PLACE PLASTIC CONTROL JOINTS AT ALL CHANGES IN DIRECTION.
 2. WHEN MOW STRIP IS INSTALLED ADJACENT TO EXISTING A.C. PAVING, THE EXISTING A.C. PAVING SHALL BE SAW CUT 12" FROM THE EDGE OF THE MOW STRIP AND NEW ASPHALT CONCRETE PLACED AFTER MOW STRIP IS IN PLACE.

I RINO SINGLE LEAF GATE

J CONCRETE MOW STRIP AT FENCE

PROJECT NAME:
WEST LAKESIDE STREET PARK
ADDRESS:
**15275 W. LAKESIDE STREET
LOS ANGELES, CA 91342**

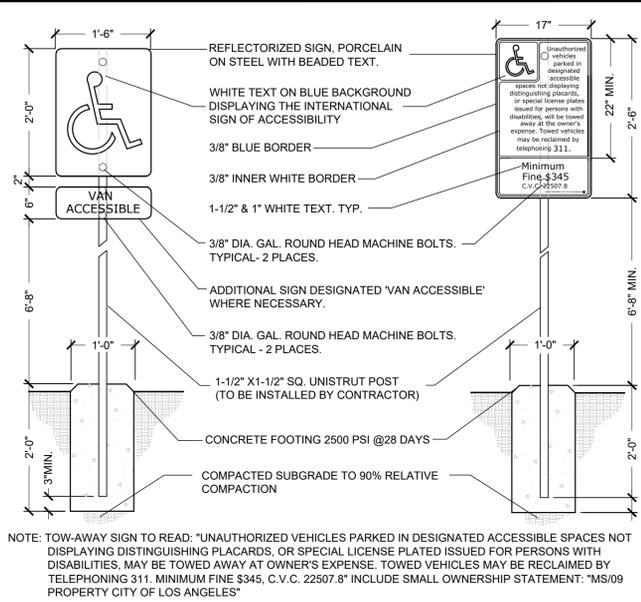
REVISIONS:	DATE:

PLAN NAME:
CONSTRUCTION DETAILS

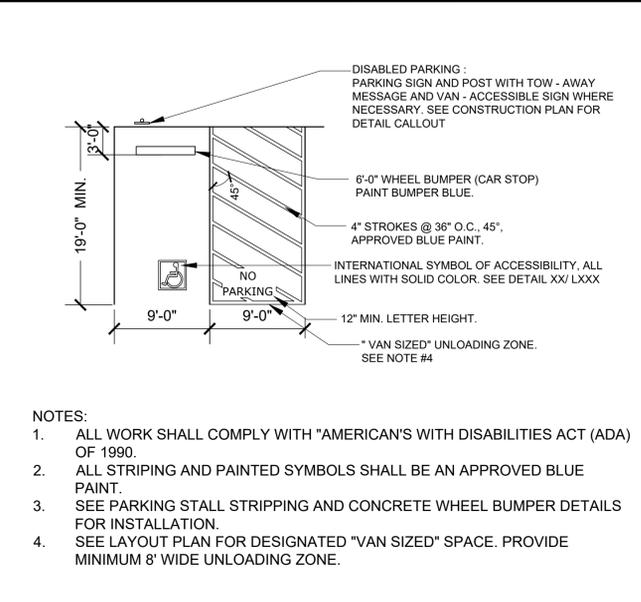
DRAWN BY: MWL	APPROVED BY:
SCALE:	ISSUE DATE: 1-22-2018
W.O. NO.:	FILE NO.:

DRAWING NO.
LS-6.1
SHEET 18 OF 43 SHEETS

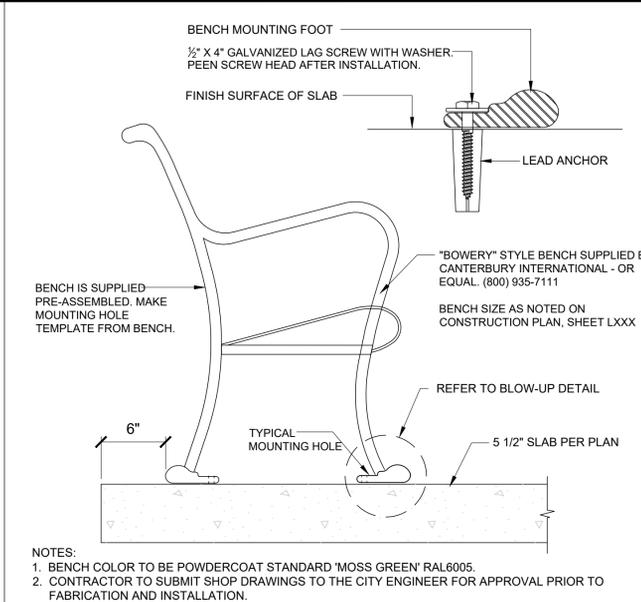
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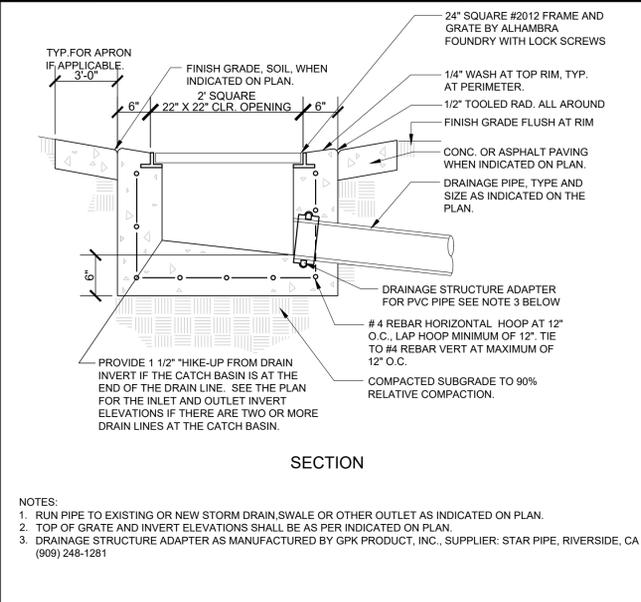
A DISABLED ACCESS SIGN
N.T.S.



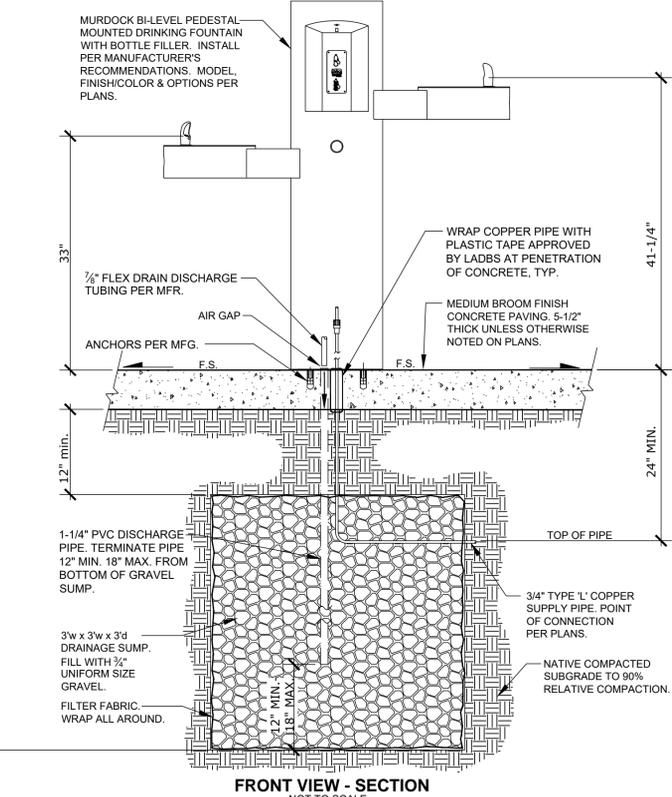
B H/C PARKING STALL
N.T.S.



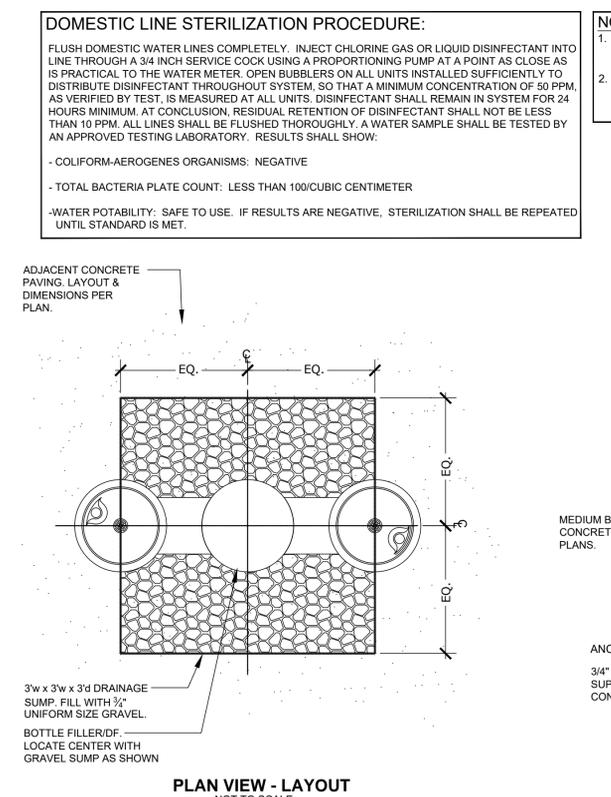
C BOWERY BENCH ON CONCRETE PAD
N.T.S.



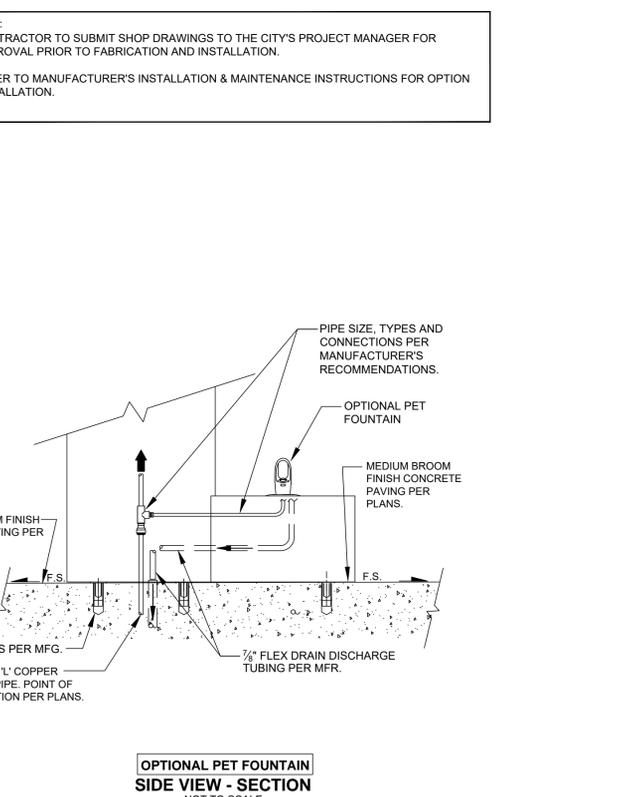
D 24" X 24" CATCH BASIN
N.T.S.



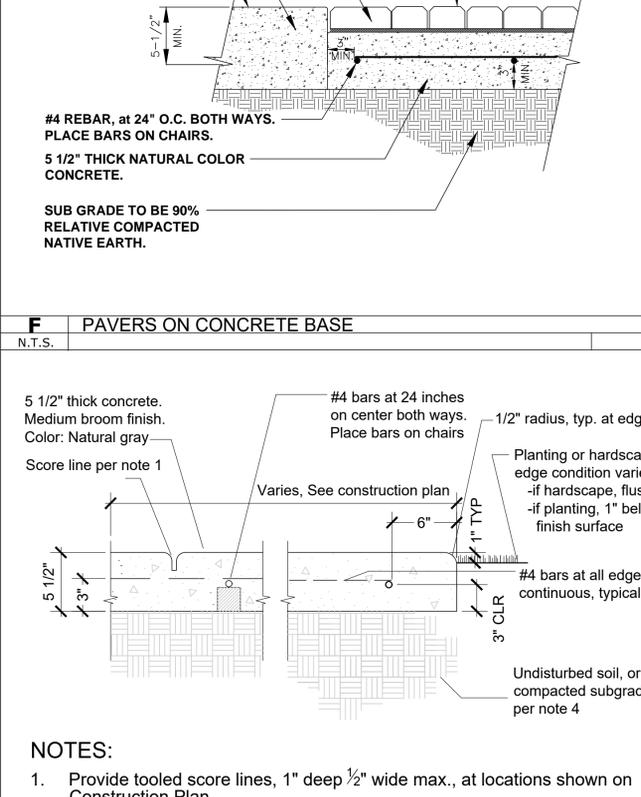
E MURDOCK HI-LO DRINKING FOUNTAIN WITH PET FOUNTAIN
N.T.S.



F PAVERS ON CONCRETE BASE
N.T.S.



G CONCRETE PAVING WITH NO BASE
N.T.S.

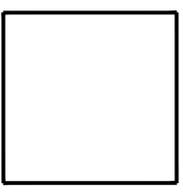


G CONCRETE PAVING WITH NO BASE
N.T.S.



PARK PROUD LA

THE CITY OF LOS ANGELES
 DEPARTMENT OF RECREATION AND PARKS
 SUPERINTENDENT: CATHE SANTI DOMINGO
 GENERAL MANAGER: MICHAEL SHULL
 PROJECT ENGINEER: _____
 DATE: _____



PROJECT NAME:
WEST LAKESIDE STREET PARK
 ADDRESS:
**15275 W. LAKESIDE STREET
 LOS ANGELES, CA 91342**

REVISIONS: _____ DATE: _____

CONSTRUCTION DETAILS

DRAWN BY: MWL
 SCALE: _____
 W.O. NO. _____
 APPROVED BY: _____
 ISSUE DATE: 1-22-2018
 FILE NO. _____
DRAWING NO. LS-6.2
 SHEET 19 OF 43 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.

A RAP WOOD FACILITY SIGN
N.T.S.

B NOT USED
N.T.S.

C NOT USED
N.T.S.

D NOT USED
N.T.S.

E NOT USED
N.T.S.

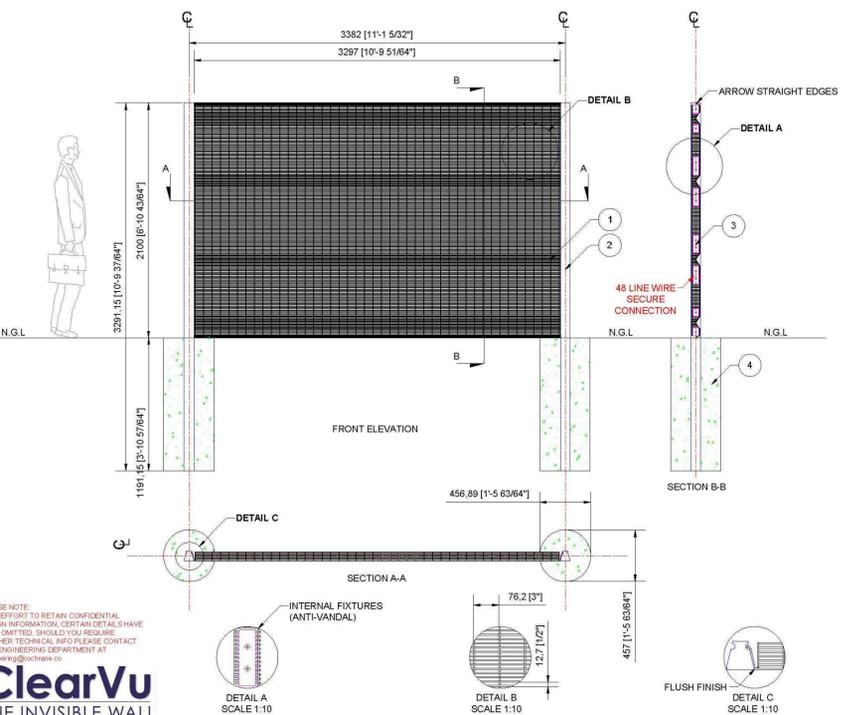
F NOT USED
N.T.S.



Physical Perimeter Security Barriers

Complete Perimeter Security

DETAIL DRAWING OF CLEARVU



CONTACT DETAILS
Tel: 281 888 3277 1012 14TH STREET NW
oblumenson@cochrane.co Suite 415 Washington DC
www.cochranesteel.com 20004

PROJECT
GENERAL SPECIFICATIONS

TITLE	PAGE	REF
DETAIL DRAWING OF CLEARVU	01 OF 01	0
DRAWING NO		
STD		

NO# **ITEM** **DESCRIPTION**

1	PANEL	CLEARVU MESH PANELS 3297mm [10'-9 5/16"] WIDE x 2100mm [6'-10 4/8"] HIGH GALVANIZED 23mm WIRE WITH APERTURE SIZE (CENTERS) @ 76.2mm [3"] x 12.7mm [1/2"] PANEL FORMATION PANEL REINFORCED WITH 4 x 50mm [1 5/16"] DEEP V FORMATION HORIZONTAL RECESSED BANDS (RIGIDITY), 2 x 75mm [2 15/16"] 70° FLANGES ALONG SIDES (INTERNAL FIXTURES - ANTI VANDAL, ALLOWING FOR FLUSH POST AND PANEL FINISH, 48 LINE WIRE SECURE CONNECTION, LOCKING RECESS MECHANISM) AND 2 x 38° FLANGES ALONG TOP AND TOE. (ARROW - STRAIGHT EDGES, INTEGRATED ANGLE). COATINGS: MESH GALVANIZED. (PATENTS AND DESIGN REGISTRATIONS APPLY)
2	POST	COCHRANE TAPER LOCKING POST 65mm [2 1/2"] x 45mm [1 3/4"] x 85mm [3 1/4"], THEN SEALED WITH UV STABILIZED POLYMER CAP. COATING: HOT DIPPED GALVANIZED.
3	CLAMPS	8 X SINGLE BOLT COMB CLAMPS & 8 X DOUBLE BOLT COMB CLAMPS. COATING: GALVANIZED.
4	FOUNDATION	Ø457mm [1'-5 1/8"] x 609mm [2'] CONCRETE FOUNDATION

DRAWN PAPER SCALE DATE
ULRICH SCHOEMAN A3 1:30 10-08-2015

TOLERANCE ± 7mm

APPROVED JACQUES DU BOIS

CHECKED DEON LABUSCHAGNE

SUPERSEDED BY

CAD FILE NAME PROJECTION

STD-CV

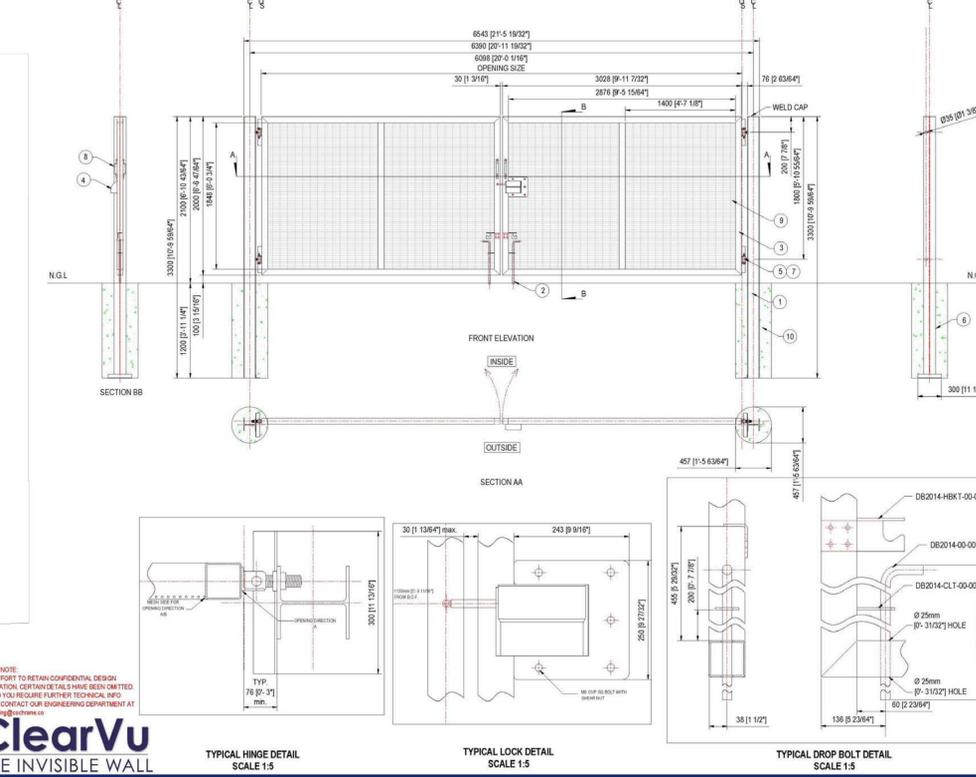
PERIMETER SECURITY BARRIER MANUFACTURERS



Physical Perimeter Security Barriers

Complete Perimeter Security

DETAIL DRAWING OF 6'H x 19'W DOUBLE LEAF GATE



CONTACT DETAILS
Tel: 281 888 3277 1012 14TH STREET NW
oblumenson@cochrane.co Suite 415 Washington DC
www.cochranesteel.com 20004

CLIENT

PROJECT
GENERAL SPECIFICATIONS

TITLE	PAGE	REVISION
DETAIL DRAWING OF DOUBLE LEAF SWING GATE	01 OF 01	00
DRAWING NO		
STD		

NO#	ITEM	DESCRIPTION	QTY
1	HINGE POST	155mm [6 1/8"] UNIVERSAL COLUMN	2
2	DROP BOLT	Ø 20mm [3/4"] ROUND BAR	2
3	GATE FRAME	76mm [3"] SQUARE TUBE	2
4	LOCKING DEVICE	Ø 15mm [5/8"] SLIDE LOCK, WITH LOCK BOX	1
5	HINGE	ADJUSTABLE SCREW HINGE (604-B)	4
6	BASE PIN	300mm [11 13/16"] x 50mm [1 3/32"] ANGLE IRON	2
7	COVER PLATE	220mm [8 5/8"] x 50mm [1 3/32"] CP2014-00-01	4
8	GRAB HANDLE	HANDLE	4
9	MESH	MESH TO MATCH FENCE LINE	2
10	FOUNDATION	Ø457mm [1'-5 1/8"] x 609mm [2'] CONCRETE FOUNDATION	2

DRAWN PAPER SCALE DATE
ULRICH SCHOEMAN A2 1:30 10-08-2015

TOLERANCE ± 1.5mm

APPROVED JACQUES DU BOIS

CHECKED DEON LABUSCHAGNE

REPLACEMENT

CAD FILE NAME PROJECTION

STD-DLG - 6'-10 11/16" x 19'-6 7/32"

H 8' HIGH X 12'-16' WIDE DOUBLE CLEAR-VU GATES
N.T.S.



PARK PROUD LA

THE CITY OF LOS ANGELES
 DEPARTMENT OF RECREATION AND PARKS
 SUPERINTENDENT: CATHIE SANTO DOMINGO
 GENERAL MANAGER: MICHAEL SHULL
 PROJECT LANDSCAPE ARCHITECT:
 PROJECT ENGINEER:
 ASBESTOS TRAINING BY:

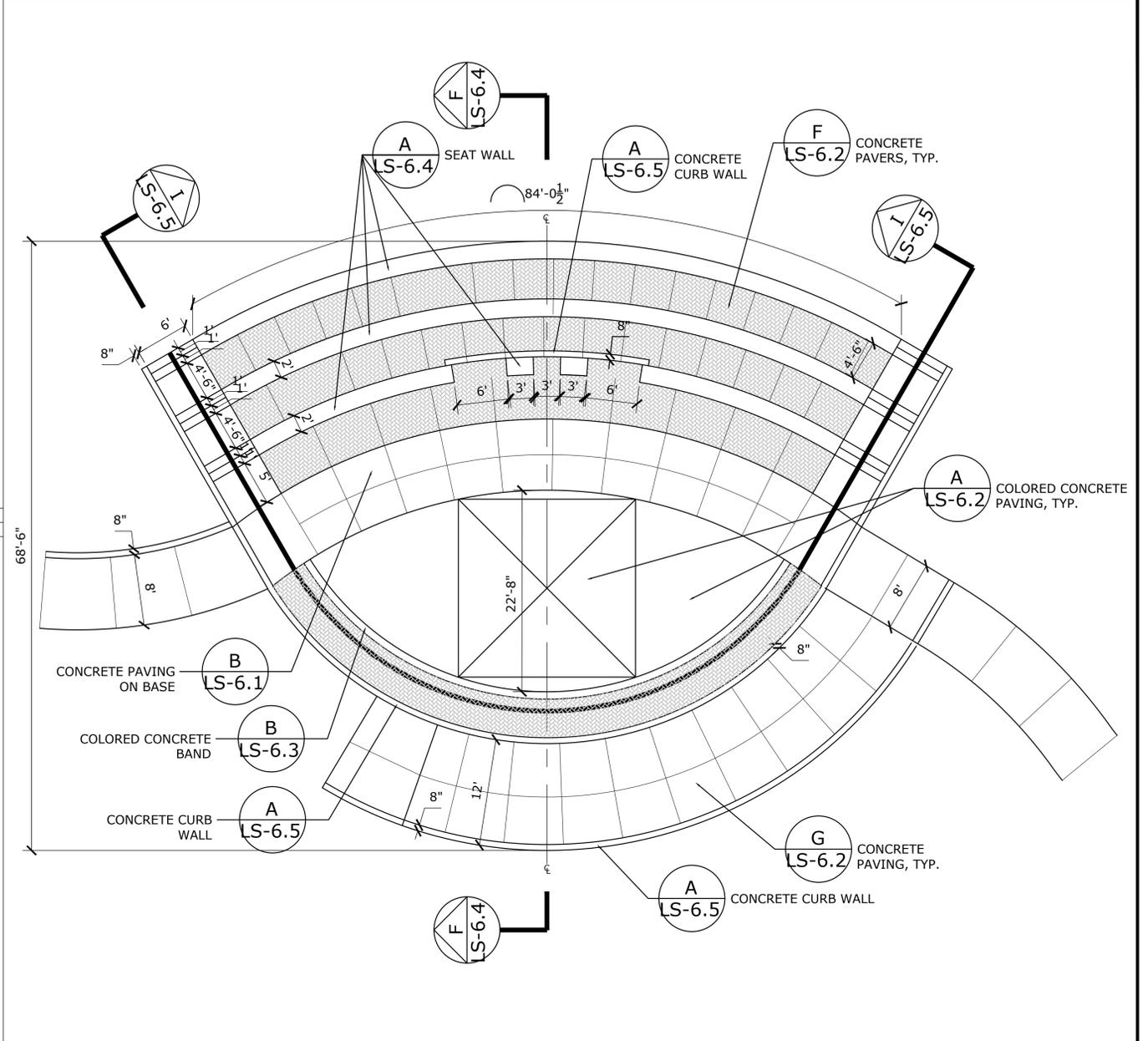
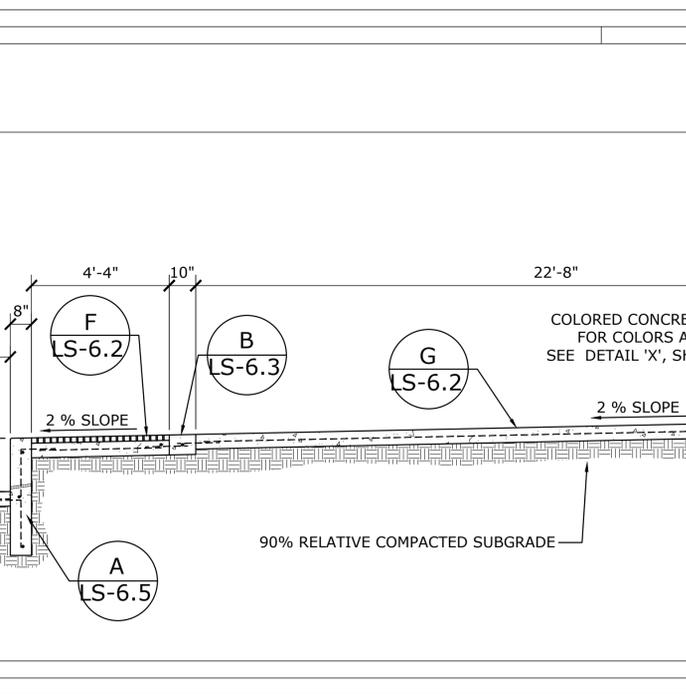
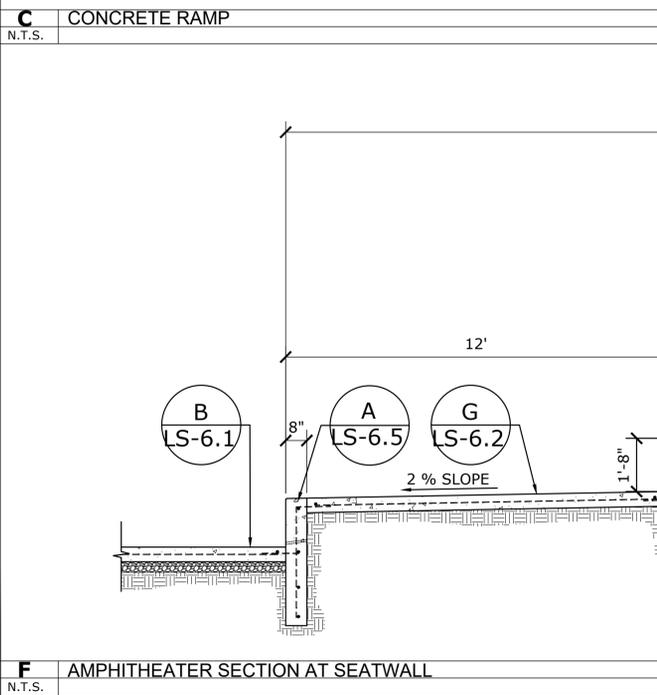
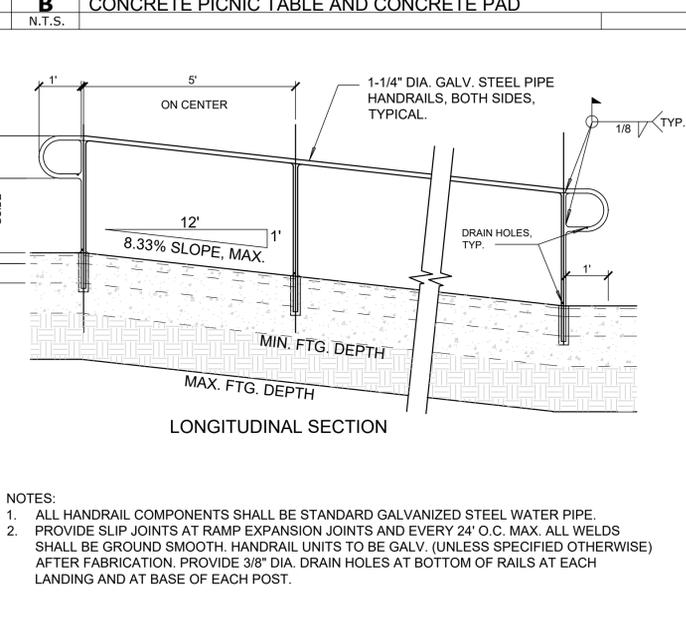
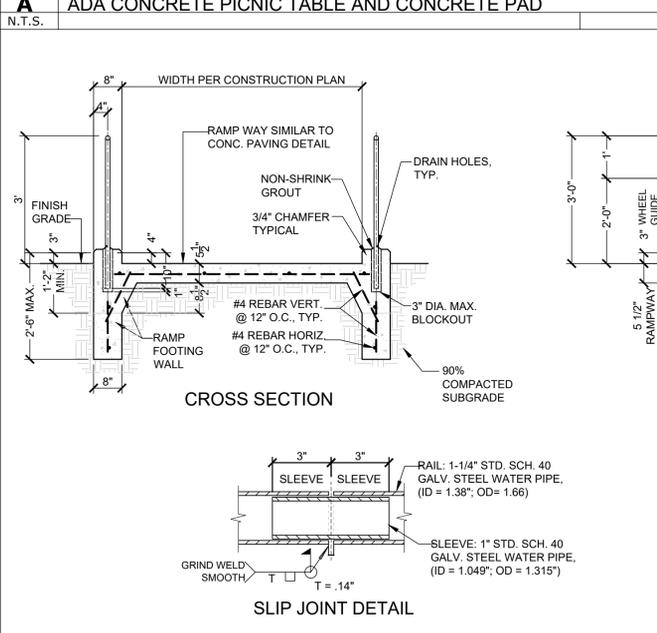
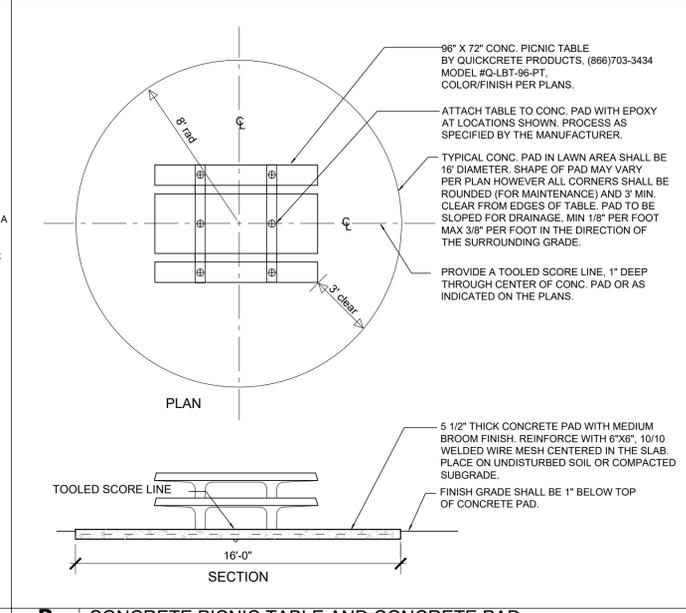
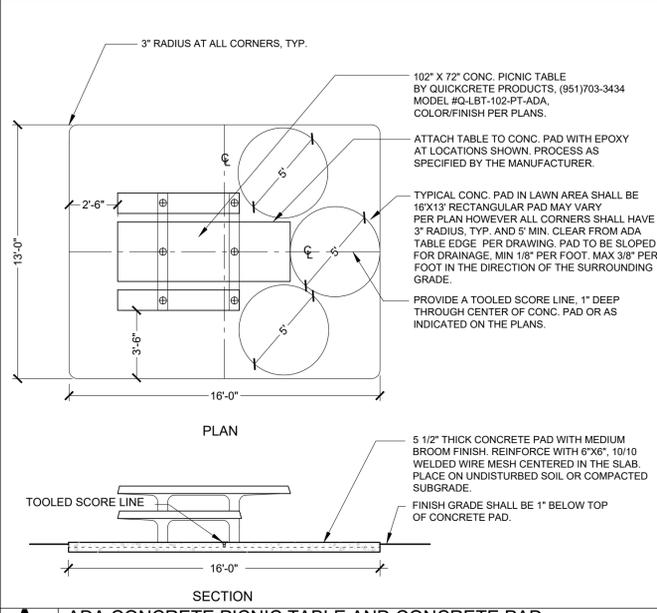
PROJECT NAME:
WEST LAKESIDE STREET PARK
 ADDRESS:
**15275 W. LAKESIDE STREET
 LOS ANGELES, CA 91342**

REVISIONS:	DATE:

PLAN NAME:
CONSTRUCTION DETAILS

DRAWN BY:	APPROVED BY:
SCALE:	ISSUE DATE:
	1-22-2018
W.O. NO.	FILE NO.
DRAWING NO.	PROJECTION
LS-6.3	
SHEET 20 OF 43 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.



PARK PROUDLA

THE CITY OF LOS ANGELES
DEPARTMENT OF RECREATION AND PARKS
SUPERINTENDENT: CATHE SANTO DOMINGO
GENERAL MANAGER: MICHAEL SHULL
PROJECT LANDSCAPE ARCHITECT: _____
PROJECT ENGINEER: _____
AS-BUILT DRAWN BY: _____

PROJECT NAME:
WEST LAKESIDE STREET PARK
ADDRESS:
**15275 W. LAKESIDE STREET
LOS ANGELES, CA 91342**

REVISIONS:	DATE:

PLAN NAME:
CONSTRUCTION DETAILS

DRAWN BY: **MWL** APPROVED BY: _____
SCALE: _____ ISSUE DATE: 1-22-2018
W.O. NO. _____ FILE NO. _____

DRAWING NO.
LS-6.4
SHEET 21 OF 43 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.

WEST LAKESIDE PARK

YOUR QUIMBY FUNDS AT WORK

Eric Garcetti, Mayor
Dennis P. Zine, Council Member
Third District

CITY OF LOS ANGELES
DEPARTMENT OF RECREATION AND PARKS

Recreation and Park Board of Commissioners
SYLVIA PATSAOURAS, President
MICHAEL A. SHULL, General Manager

Board of Public Works Commissioners
KEVIN JAMES, President
GARY LEE MOORE, City Engineer
JOHN L. REAMER, JR., Inspector of Public Works

DEPARTMENT RAP LOGO OBTAIN FULL-SIZED TEMPLATE FROM PROJECT MANAGER.
CITY SEAL, PROVIDED BY DEPARTMENT (SEAL IS 8 IN Ø) OBTAIN DECAL FROM PROJECT MANAGER.
1 x 2 EDGE TRIM ALL AROUND. SECURE WITH FINISHING NAILS AT 18" ON CENTER UNLESS PLEXIGLAS OPTION IS CHECKED.

THIS SIGN IS TO BE INSTALLED WITHIN 2 (TWO) WEEKS OF START OF CONSTRUCTION. ALL TEXT SHALL BE APPROVED BY PROJECT MANAGER PRIOR TO FABRICATION.

DESIGNER: DEPT. OF RECREATION AND PARKS ADVANCE PLANNING DIVISION
CONTRACTOR: (Name)

1/2" THICK LINE, TYPICAL. SPACE LINES 1/2" APART.
1/4" THICK LINE, TYPICAL.
45° MITER ALL CORNERS, TYP.

SIGN CONSTRUCTION VIEWED FROM REAR

SCALE: 3/8" = 1'-0"

NOTES:

- SIGN SHALL BE CONSTRUCTED OF 3/4" ACX PLYWOOD. LETTERING SHALL BE PLACED ON "A" SIDE. 1" X 2" TRIM ALL AROUND, FLAT SIDE TO FACE, SECURE WITH WOOD GLUE AND 1 1/4" LONG WIRE BRADS.
- PAINT ALL EXPOSED WOOD SURFACES WITH ONE COAT PRIMER AND TWO COATS ENAMEL, PER DUNN-EDWARDS PRINTED SPECIFICATIONS, OR APPROVED EQUAL. COLORS: SIGN, TRIM, POSTS, AND DIAGONAL BRACING-SNOWCAP (WHITE) Q9-36P; ALL LETTERING (EXCLUDING CITY SEAL) AND TREE SILHOUETTE DESIGN SHALL BE EMERALD GREEN.
- SECURE SIGN TO 6 X 6 POSTS WITH 1/2" DIAMETER CARRIAGE BOLTS OF SUFFICIENT LENGTH TO SECURE SIGN TO POSTS. FOUR BOLTS PER POST. PROVIDE GALVANIZED WASHERS UNDER NUTS. DO NOT PLACE BOLTS THROUGH LETTERING.
- AT COMPLETION OF PROJECT, CONTRACTOR SHALL REMOVE SIGN AND SIGN POSTS AND DELIVER TO RECREATION AND PARKS CENTRAL SERVICE YARD, 3900 CHEVY CHASE BLVD., LOS ANGELES.
- IF BOX TO LEFT IS CHECKED, ENTIRE FACE OF SIGN SHALL BE COVERED WITH 4' X 8' X 3/16" SHEET OF CLEAR, PLEXIGLAS. SECURE TO FACE OF SIGN WITH 1" X 2" EDGE TRIM. SECURE EDGE TRIM WITH NUMBER 12 X 1-1/4" STAINLESS STEEL FLAT HEAD WOOD SCREWS. SPACE AT 18" ON CENTER, AROUND PERIMETER OF SIGN.
- SEE LANDSCAPE CONSTRUCTION NOTES FOR ADDITIONAL INFORMATION AND REQUIREMENTS. SIGN SHALL BE INSTALLED WITHIN TWO WEEKS OF THE START OF CONSTRUCTION.

RAP WOOD FACILITY SIGN

N.T.S.

WOOD PARK SIGN AND 4 X 6 POSTS PER DETAIL 600

ALIGN SIDES

6" CLR

3'-6"

2" RAD. TYP. ALL CORNERS

8'-6"

1/8" THICK ALUMINUM SIGN, 5052-H38 ALLOY TREATED WITH ALDINE 1200 CONVERSION COATING. SIGN TO BE PAINTED WITH TWO COATS WHITE ENAMEL (BASE). LOGO ENAMEL COLORS TO MATCH THOSE INDICATED IN NOTES. COAT FACE OF SIGN WITH ANTI-GRAFFITI COATING

5/8" ALUMINUM CARRIAGE BOLT WITH NUT AND WASHER. LENGTH SUFFICIENT FOR BOTH SIGNS AND POSTS. DO NOT PUT BOLTS THROUGH LETTERING OR LOGO. 8 PLACES, TYPICAL.

WEST LAKESIDE PARK

Welcomes you

CITY OF LOS ANGELES RECREATION & PARKS DEPARTMENT

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

3/4" BORDER, TYPICAL

NOTES:

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

SIGN MATERIAL: 2" X 24" KILN DRIED VERTICAL GRAIN ROUGH SAWN HEART REDWOOD
5/8" DIA. GALV. CARR. BOLTS 10" LONG W/ NUT & WASHER (SEE DTL. "A")
CROWN TOP OF CONC. FOOTINGS, TYP.
4" X 6" ROUGH SAWN ALL HEART REDWOOD POSTS AND SPACERS
5/8" DIA. GALV. CARR. BOLTS 8" LONG W/ NUT & WASHER, 8 TOTAL REQD. ADJUST LOCATIONS TO CLEAR LETTERING.
4" X 6" POSTS AND SPACER
COUNTERBORE FOR BOLTS AND WASHERS, TYPICAL FOR POSTS
SANDBLASTED SURFACE OF SIGN

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

TEMP. CONSTRUCTION SIGN

N.T.S.



PARKS WATER BOND 2006 LOGO

N.T.S.

PROJECT NAME

Welcomes you

CITY OF LOS ANGELES RECREATION & PARKS DEPARTMENT

Another Project to Improve California Parks funded by the 2006 Clean Water Bond Act

Lisa Ann L. Mangat, Director, California Department of Parks & Recreation
John Laird, Secretary for California Natural Resources Agency
Edmund G. Brown, Jr., Governor

NOTES:

TEXT: "Another Project to..." HELVETIC MEDIUM, 3" TALL, BLACK ENAMEL
TEXT: "John Laird..." HELVETICA MEDIUM, 2" TALL, BLACK ENAMEL
TEXT: "Edmund G. Brown, Jr., Governor" HELVETIC MEDIUM BOLD, 3" TALL, BLACK ENAMEL

LOGO COLORS:
DARK BLUE - TO MATCH PANTONE 301 CVC
LIGHT BLUE - 20% SCREEN OF DARK BLUE
DARK GREEN - TO MATCH PANTONE 341
LIGHT GREEN - 50% SCREEN OF DARK GREEN

LINE SCREEN: NO COARSER THAN 45 LPI
TRAPS: 0.10" AT 100% SIZE (ALREADY BUILT INTO ARTWORK)

A COLOR COPY OF THE LOGO TEMPLATE IS AVAILABLE AT:
http://resources.ca.gov/bonds_and_grants/logos/
OR FROM THE PROJECT MANAGER

EXPOSED PORTION OF FASTENING HARDWARE ON THE FACE OF SIGN PANEL SHALL MATCH CLOSELY THE FACE COLOR OF THE SIGN (WHITE) IN APPEARANCE AND DURABILITY W/ EITHER A FACTORY OR FIELD APPLIED FINISH.

ANY CHIPPING OR BENDING OF SIGN PANELS SHALL BE CONSIDERED A SUFFICIENT CAUSE TO REQUIRE REPLACEMENT OF PANELS AT CONTRACTOR'S EXPENSE.

ALL EDGES OF SIGN TO BE SMOOTH.

CONTRACTOR TO BE AWARE THAT NAMES OF PUBLIC OFFICIALS ON SIGN MAY BE REVISED PRIOR TO INSTALLATION. CONFIRM NAMES WITH PROJECT MANAGER.

PARKS WATER BOND 2006 SIGN

N.T.S.

1X2 EDGE TRIM ALL AROUND. SECURE WITH FINISHING NAILS AT 18" O.C. UNLESS PLEXIGLAS OPTION IS CHECKED. 45° MITER ALL CORNERS, TYPICAL.

2' X 2' LOGO, SEE NOTES

Another Project to Improve California Parks funded by the 2006 Clean Water Bond Act

Lisa Ann L. Mangat, Director, California Department of Parks & Recreation
John Laird, Secretary for California Natural Resources Agency
Edmund G. Brown, Jr., Governor

SIGN TEXT LAYOUT

NOTES:

TEXT: "Another Project to..." HELVETIC MEDIUM, 3" TALL, BLACK ENAMEL
TEXT: "John Laird..." HELVETICA MEDIUM, 2" TALL, BLACK ENAMEL
TEXT: "Edmund G. Brown, Jr., Governor" HELVETIC MEDIUM BOLD, 3" TALL, BLACK ENAMEL

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OR FROM THE PROJECT MANAGER

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ALL EDGES OF SIGN TO BE SMOOTH.

CONTRACTOR TO BE AWARE THAT NAMES OF PUBLIC OFFICIALS ON SIGN MAY BE REVISED PRIOR TO INSTALLATION. CONFIRM NAMES WITH PROJECT MANAGER.

SIGN CONSTRUCTION

THIS SIGN IS TO BE INSTALLED WITHIN 2 (TWO) WEEKS OF START OF CONSTRUCTION

NOT USED

N.T.S.

NOT USED

N.T.S.

PARKS WATER BOND 2006 SIGN (TEMP. CONSTRUCTION SIGN)

N.T.S.

1X2 EDGE TRIM ALL AROUND. SECURE WITH FINISHING NAILS AT 18" O.C. UNLESS PLEXIGLAS OPTION IS CHECKED. 45° MITER ALL CORNERS, TYPICAL.

2' X 2' LOGO, SEE NOTES

Another Project to Improve California Parks funded by the 2006 Clean Water Bond Act

Lisa Ann L. Mangat, Director, California Department of Parks & Recreation
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SIGN TEXT LAYOUT

NOTES:

TEXT: "Another Project to..." HELVETIC MEDIUM, 3" TALL, BLACK ENAMEL
TEXT: "John Laird..." HELVETICA MEDIUM, 2" TALL, BLACK ENAMEL
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LOGO COLORS:
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LIGHT BLUE - 20% SCREEN OF DARK BLUE
DARK GREEN - TO MATCH PANTONE 341
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http://resources.ca.gov/bonds_and_grants/logos/
OR FROM THE PROJECT MANAGER

EXPOSED PORTION OF FASTENING HARDWARE ON THE FACE OF SIGN PANEL SHALL MATCH CLOSELY THE FACE COLOR OF THE SIGN (WHITE) IN APPEARANCE AND DURABILITY W/ EITHER A FACTORY OR FIELD APPLIED FINISH.

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ALL EDGES OF SIGN TO BE SMOOTH.

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SIGN CONSTRUCTION

THIS SIGN IS TO BE INSTALLED WITHIN 2 (TWO) WEEKS OF START OF CONSTRUCTION



PARK PROUD LA

THE CITY OF LOS ANGELES
DEPARTMENT OF RECREATION AND PARKS

PROJECT MANAGER: MICHAEL SHULL
SUPERINTENDENT: CATHIE SANTO DOMINGO

PROJECT LANDSCAPE ARCHITECT: _____
PROJECT ENGINEER: _____
AS-BUILTS DRAWN BY: _____

DATE: _____

WEST LAKESIDE STREET

PARK

ADDRESS:
15275 W. LAKESIDE STREET
LOS ANGELES, CA 91342

REVISIONS:	DATE:

CONSTRUCTION DETAILS

PLAN NAME:
LS-6.6

DRAWN BY: MWL
APPROVED BY: _____

SCALE: _____
ISSUE DATE: 1-22-2018

W.O. NO. _____
FILE NO. _____

DRAWING NO.
LS-6.6

SHEET 23 OF 43 SHEETS

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

NOTES:

- FOR DRAINAGE, USE GALVANIZE STEEL GRATE IN PARKING LOT AND CONCRETE PAVING AREAS.
- PROVIDE SLEEVE FOR ALL DRAIN PIPE UNDER CONCRETE PAVING, SIZE OF SLEEVE TO BE TWO TIMES THE DIAMETER OF PIPE, SCHEDULE 80 PVC.
- ALL CATCH BASINS SHALL HAVE STENCIL NEXT TO DRAIN INLETS SHOWING 'NO DUMPING, DRAIN TO OCEAN'. REFER TO L.A.M.C. 64.70
- PROVIDE FILTERS AT PARKING LOT CATCH BASINS FOR PRE-TREATMENT OF WATER RUNOFF, MFR: UNITED STORM WATER INC., MODEL #: DRAIN PAC, TEL: 1-877-717-8676 OR APPROVED EQUAL.
- THE SOIL ENGINEER SHALL APPROVE THE KEY OR BOTTOM AND LEAVE A CERTIFICATE ON THE SITE FOR THE GRADING INSPECTOR. THE GRADING INSPECTOR SHALL BE NOTIFIED BEFORE ANY GRADING BEGINS AND, FOR BOTTOM INSPECTION, BEFORE ANY FILL IS PLACED.
- ALL GRADING SLOPES SHALL BE PLANTED AND SPRINKLERED. (7012.1)
- STANDARD 12 INCH HIGH BERM IS REQUIRED AT TOP OF ALL GRADED SLOPES. (7013.3)
- NO FILL TO BE PLACED, UNTIL THE DEPARTMENT OF BUILDING & SAFETY GRADING INSPECTOR HAS INSPECTED AND APPROVED THE BOTTOM EXCAVATION.
- STAKE AND FLAG PROPERTY LINES IN ACCORDANCE WITH A LICENCED SURVEY MAP PROVIDED AND PAID FOR BY THE CONTRACTOR.
- MAN-MADE FILL SHALL BE COMPACTED TO A MINIMUM RELATIVE COMPACTION OF 90% MAXIMUM DRY DENSITY WITHIN 40 FEET BELOW FINISHED GRADE AND 93% OF MAXIMUM DRY DENSITY DEEPER THAN 40 FEET BELOW FINISHED GRADE, UNLESS A LOWER RELATIVE COMPACTION (NOT LESS THAN 90% OF MAXIMUM DRY DENSITY) IS JUSTIFIED BY THE SOILS ENGINEER.
- 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.
- DISPOSE OF ALL EXTRA EXCAVATED MATERIALS AND SPOIL NOT RE-USED ON SITE AT A LEGALLY APPROVED DISPOSAL SITE.



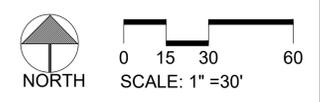
CONTRACTOR SHALL OBTAIN GRADING PERMIT AND ALL PERMIT CLEARANCES OR REPORTS PRIOR TO START OF CONSTRUCTION.

ABBREVIATIONS:

BC	BOTTOM OF CURB
BW	BOTTOM OF WALL
FFE	FINISHED FLOOR ELEVATION
FS	FINISHED SURFACE
FG	FINISHED GRADE
TC	TOP OF CURB
TG	TOP OF GRATE
TS	TOP OF STEP
TW	TOP OF WALL

LEGEND:

	EXISTING CONTOUR INDEX LINE (5' INTERVAL)
	EXISTING CONTOUR INTERMEDIATE LINE (1' INTERVAL)
	NEW CONTOUR LINE (1' INTERVAL) AND CONTOUR NUMBER
	NEW SPOT ELEVATION



- NOTE:**
- ALL NEW CONTOUR NUMBERS ARE SHOWN WITH ONLY THE LAST 2 DIGITS OF THE ACTUAL CONTOUR NUMBER (I.E., ACTUAL CONTOUR NUMBER 1186 IS SHOWN AS 86).
 - NEW SPOT ELEVATIONS ARE SHOWN WITH ONLY THE LAST 2 DIGITS DECIMAL NUMBER (I.E., SPOT ELEVATION 1196.88 IS SHOWN AS 96.88).
 - ADD 1100 TO NEW CONTOUR NUMBER AND NEW SPOT ELEVATIONS TO GET THE ACTUAL CONTOUR NUMBER OR SPOT ELEVATION (E.G., 1100+86=1186, 1100+96.88=1196.88).

ESTIMATED TOTAL CUT = 1,824 CUBIC YARDS
ESTIMATED TOTAL FILL = 6,473 CUBIC YARDS

NOTE: THE ABOVE CUT AND FILL ESTIMATES ARE FOR PERMIT PURPOSES ONLY. THE CONTRACTOR SHALL CALCULATE CUT AND FILL FOR THEIR OWN USE.

Call
8-1-1
TWO
WORKING DAYS
BEFORE
DIE YOU

Underground Services Alert
of Southern California



PARK PROUD LA

THE CITY OF LOS ANGELES
DEPARTMENT OF RECREATION AND PARKS

PROJECT MANAGER: MICHAEL SHULL
SUPERINTENDENT: CATHIE SANTO DOMINGO

PROJECT LANDSCAPE ARCHITECT: _____
PROJECT ENGINEER: _____
DATE: _____

PROJECT NAME:
**WEST LAKESIDE STREET
PARK**

ADDRESS:
**15275 W. LAKESIDE STREET
LOS ANGELES, CA 91342**

REVISIONS:	DATE:

PLAN NAME:
**GRADING
AND
DRAINAGE
PLAN**

DRAWN BY: _____ APPROVED BY: _____

SCALE: MWL ISSUE DATE: 1-22-2018
W.O. NO. AS SHOWN FILE NO. _____

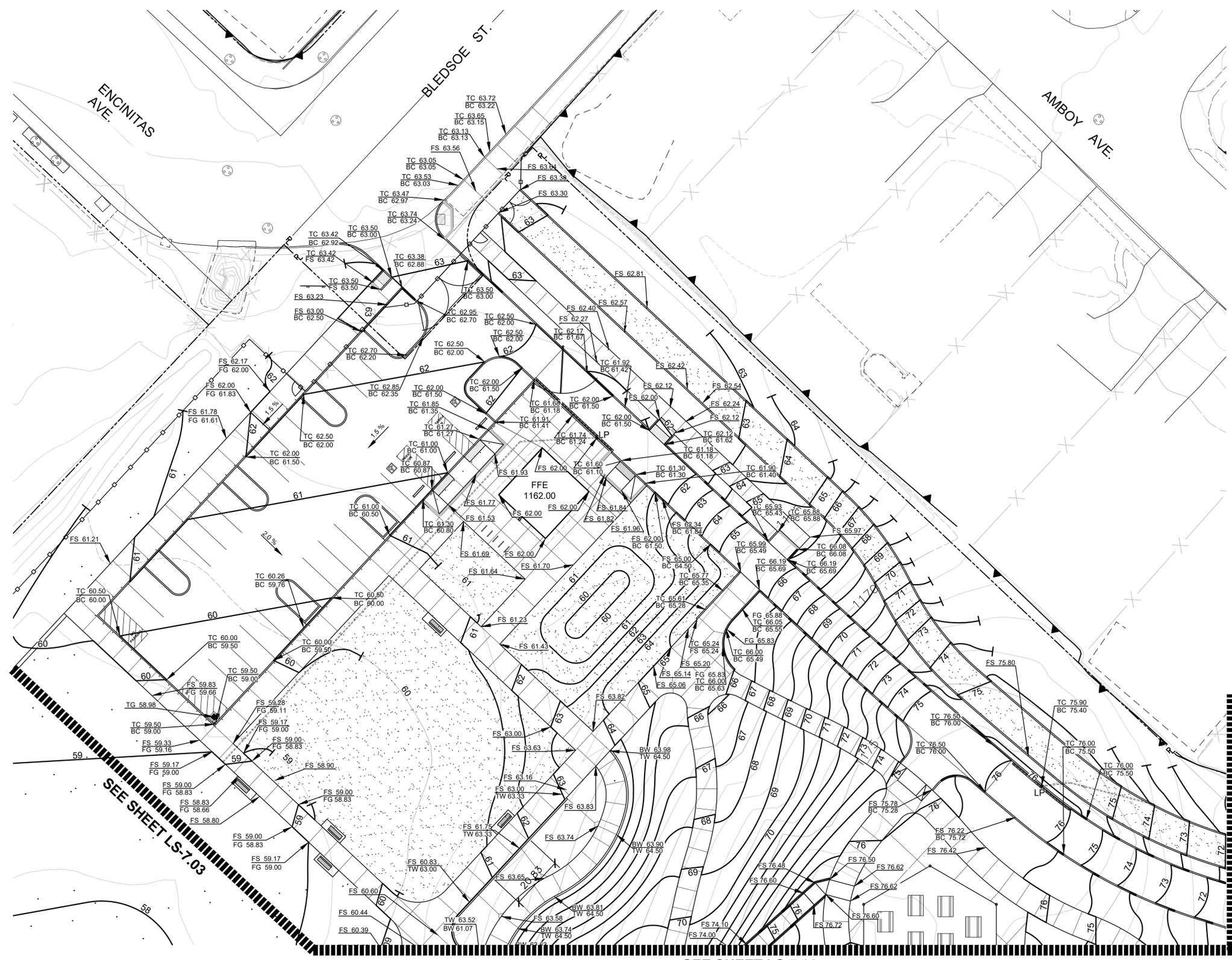
DRAWING NO.
LS-7.0
SHEET 24 OF 43 SHEETS

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.



PARK PROUD LA

THE CITY OF LOS ANGELES
DEPARTMENT OF RECREATION AND PARKS
SUPERINTENDENT: CATHIE SANTO DOMINGO
GENERAL MANAGER: MICHAEL SHULL
PROJECT LANDSCAPE ARCHITECT:
PROJECT ENGINEER:
AS BUILT DRAWN BY:



NOTES:

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- DISPOSE OF ALL EXTRA EXCAVATED MATERIALS AND SPOIL NOT RE-USED ON SITE AT A LEGALLY APPROVED DISPOSAL SITE.

LEGEND:

- EXISTING CONTOUR INDEX LINE (5' INTERVAL)
- EXISTING CONTOUR INTERMEDIATE LINE (1' INTERVAL)
- NEW CONTOUR LINE (1' INTERVAL) AND CONTOUR NUMBER
- NEW SPOT ELEVATION

ABBREVIATIONS:

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- BW BOTTOM OF WALL
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- FG FINISHED GRADE
- TC TOP OF CURB
- TG TOP OF GRATE
- TS TOP OF STEP
- TW TOP OF WALL

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CONTRACTOR SHALL OBTAIN GRADING PERMIT AND ALL PERMIT CLEARANCES OR REPORTS PRIOR TO START OF CONSTRUCTION.



SCALE: 1" = 20'



PROJECT NAME:
WEST LAKESIDE STREET PARK
ADDRESS:
15275 W. LAKESIDE STREET
LOS ANGELES, CA 91342

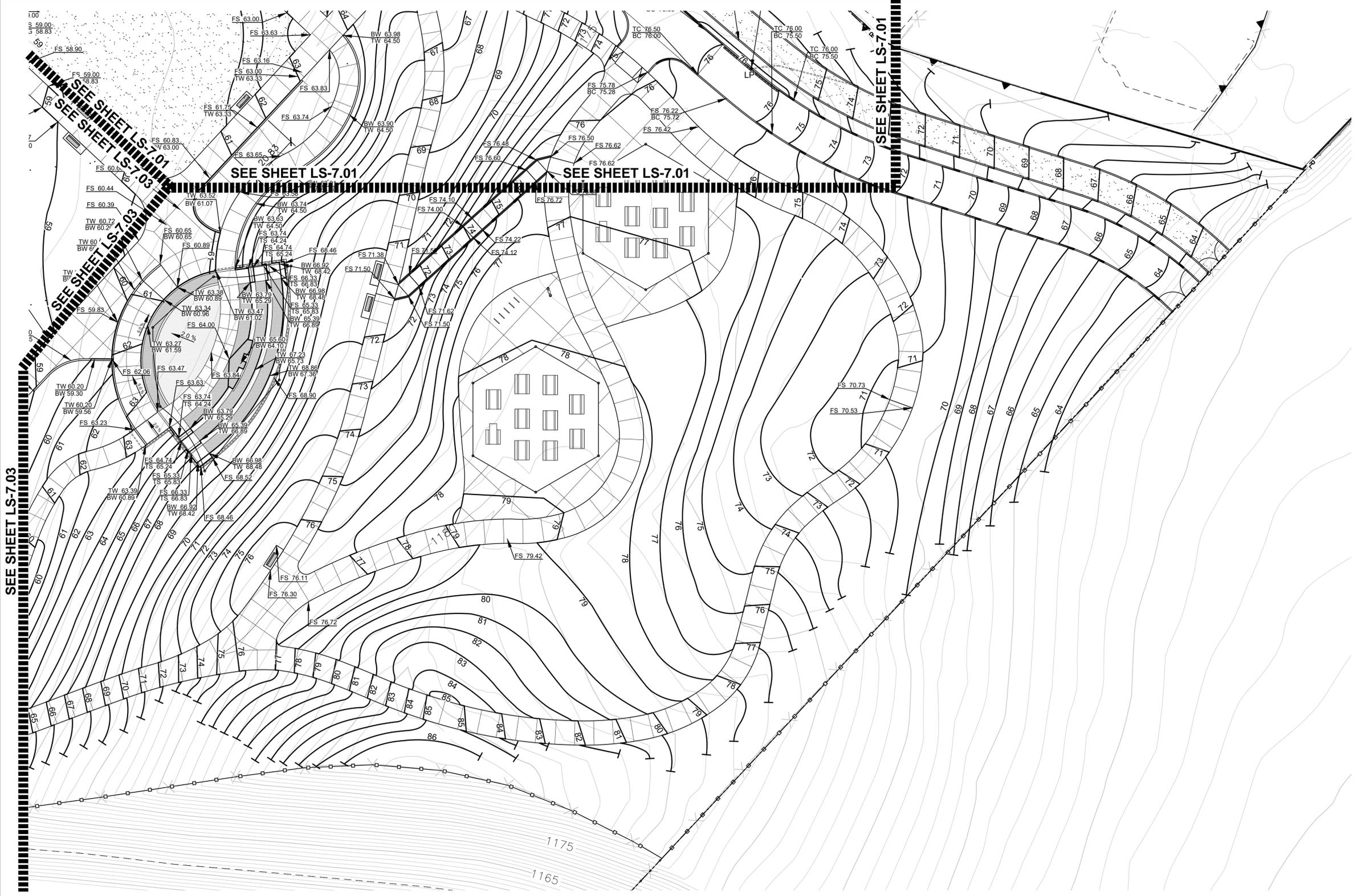
REVISIONS:	DATE:

PLAN NAME:
GRADING AND DRAINAGE PLAN

DRAWN BY: MWL	APPROVED BY:
SCALE: AS SHOWN	ISSUE DATE: 1-22-2018
W.O. NO.:	FILE NO.:

DRAWING NO.
LS-7.01
SHEET 25 OF 43 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.



NOTES:

- FOR DRAINAGE, USE GALVANIZE STEEL GRATE IN PARKING LOT AND CONCRETE PAVING AREAS.
- PROVIDE SLEEVE FOR ALL DRAIN PIPE UNDER CONCRETE PAVING, SIZE OF SLEEVE TO BE TWO TIMES THE DIAMETER OF PIPE, SCHEDULE 80 PVC.
- ALL CATCH BASINS SHALL HAVE STENCIL NEXT TO DRAIN INLETS SHOWING 'NO DUMPING, DRAIN TO OCEAN'. REFER TO L.A.M.C. 64.70
- PROVIDE FILTERS AT PARKING LOT CATCH BASINS FOR PRE-TREATMENT OF WATER RUNOFF, MFR: UNITED STORM WATER INC., MODEL #: DRAIN PAC, TEL: 1-877-717-8676 OR APPROVED EQUAL.
- THE SOIL ENGINEER SHALL APPROVE THE KEY OR BOTTOM AND LEAVE A CERTIFICATE ON THE SITE FOR THE GRADING INSPECTOR. THE GRADING INSPECTOR SHALL BE NOTIFIED BEFORE ANY GRADING BEGINS AND, FOR BOTTOM INSPECTION, BEFORE ANY FILL IS PLACED.
- ALL GRADING SLOPES SHALL BE PLANTED AND SPRINKLERED. (7012.1)
- STANDARD 12 INCH HIGH BERM IS REQUIRED AT TOP OF ALL GRADED SLOPES. (7013.3)
- NO FILL TO BE PLACED, UNTIL THE DEPARTMENT OF BUILDING & SAFETY GRADING INSPECTOR HAS INSPECTED AND APPROVED THE BOTTOM EXCAVATION.
- STAKE AND FLAG PROPERTY LINES IN ACCORDANCE WITH A LICENCED SURVEY MAP PROVIDED AND PAID FOR BY THE CONTRACTOR.
- MAN-MADE FILL SHALL BE COMPACTED TO A MINIMUM RELATIVE COMPACTION OF 90% MAXIMUM DRY DENSITY WITHIN 40 FEET BELOW FINISHED GRADE AND 93% OF MAXIMUM DRY DENSITY DEEPER THAN 40 FEET BELOW FINISHED GRADE, UNLESS A LOWER RELATIVE COMPACTION (NOT LESS THAN 90% OF MAXIMUM DRY DENSITY) IS JUSTIFIED BY THE SOILS ENGINEER.
- 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.
- DISPOSE OF ALL EXTRA EXCAVATED MATERIALS AND SPOIL NOT RE-USED ON SITE AT A LEGALLY APPROVED DISPOSAL SITE.

ABBREVIATIONS:

- BC BOTTOM OF CURB
- BW BOTTOM OF WALL
- FFE FINISHED FLOOR ELEVATION
- FS FINISHED SURFACE
- FG FINISHED GRADE
- TC TOP OF CURB
- TG TOP OF GRATE
- TS TOP OF STEP
- TW TOP OF WALL

LEGEND:

- EXISTING CONTOUR INDEX LINE (5' INTERVAL)
- EXISTING CONTOUR INTERMEDIATE LINE (1' INTERVAL)
- NEW CONTOUR LINE (1' INTERVAL) AND CONTOUR NUMBER
- NEW SPOT ELEVATION



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CONTRACTOR SHALL OBTAIN GRADING PERMIT AND ALL PERMIT CLEARANCES OR REPORTS PRIOR TO START OF CONSTRUCTION.

ESTIMATED TOTAL CUT = 1,824 CUBIC YARDS
ESTIMATED TOTAL FILL = 6,473 CUBIC YARDS

NOTE: THE ABOVE CUT AND FILL ESTIMATES ARE FOR PERMIT PURPOSES ONLY. THE CONTRACTOR SHALL CALCULATE CUT AND FILL FOR THEIR OWN USE.

- NOTE:
- ALL NEW CONTOUR NUMBERS ARE SHOWN WITH ONLY THE LAST 2 DIGITS OF THE ACTUAL CONTOUR NUMBER (I.E., ACTUAL CONTOUR NUMBER 1186 IS SHOWN AS 86).
 - NEW SPOT ELEVATIONS ARE SHOWN WITH ONLY THE LAST 2 DIGITS DECIMAL NUMBER (I.E., SPOT ELEVATION 1196.88 IS SHOWN AS 96.88). ADD 1100 TO NEW CONTOUR NUMBERS AND NEW SPOT ELEVATIONS TO GET THE ACTUAL CONTOUR NUMBER OR SPOT ELEVATION (E.G., 1100+86=1186, 1100+96.88=1196.88).



PARK PROUDLA

THE CITY OF LOS ANGELES DEPARTMENT OF RECREATION AND PARKS	
GENERAL MANAGER: MICHAEL SHULL	SUPERINTENDENT: CATHE SANTO DOMINGO
PROJECT LANDSCAPE ARCHITECT:	DATE:
PROJECT ENGINEER:	DATE:
AS-BUILT DRAWN BY:	DATE:



PROJECT NAME:
**WEST LAKESIDE STREET
PARK**
ADDRESS:
**15275 W. LAKESIDE STREET
LOS ANGELES, CA 91342**

REVISIONS:	DATE:

PLAN NAME:
**GRADING
AND
DRAINAGE
PLAN**

DRAWN BY: MWL APPROVED BY:

SCALE: AS SHOWN ISSUE DATE: 1-22-2018

W.O. NO. FILE NO.

DRAWING NO.
LS-7.02

SHEET 26 OF 43 SHEETS

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



NOTES:

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- PROVIDE SLEEVE FOR ALL DRAIN PIPE UNDER CONCRETE PAVING. SIZE OF SLEEVE TO BE TWO TIMES THE DIAMETER OF PIPE, SCHEDULE 80 PVC.
- ALL CATCH BASINS SHALL HAVE STENCIL NEXT TO DRAIN INLETS SHOWING 'NO DUMPING, DRAIN TO OCEAN'. REFER TO L.A.M.C. 64.70
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- STAKE AND FLAG PROPERTY LINES IN ACCORDANCE WITH A LICENCED SURVEY MAP PROVIDED AND PAID FOR BY THE CONTRACTOR.
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- 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.
- DISPOSE OF ALL EXTRA EXCAVATED MATERIALS AND SPILL NOT RE-USED ON SITE AT A LEGALLY APPROVED DISPOSAL SITE.

LEGEND:

- EXISTING CONTOUR INDEX LINE (5' INTERVAL)
- EXISTING CONTOUR INTERMEDIATE LINE (1' INTERVAL)
- NEW CONTOUR LINE (1' INTERVAL) AND CONTOUR NUMBER
- NEW SPOT ELEVATION

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 ESTIMATED TOTAL FILL = 6,473 CUBIC YARDS

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CONTRACTOR SHALL OBTAIN GRADING PERMIT AND ALL PERMIT CLEARANCES OR REPORTS PRIOR TO START OF CONSTRUCTION.



SCALE: 1" = 20'

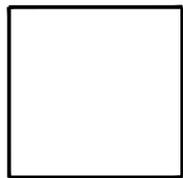
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PARK PROUD LA

THE CITY OF LOS ANGELES DEPARTMENT OF RECREATION AND PARKS	SUPERINTENDENT: CATHE SANTO DOMINGO
GENERAL MANAGER: MICHAEL SHULL	PROJECT LANDSCAPE ARCHITECT: _____
PROJECT ENGINEER: _____	DATE: _____



PROJECT NAME:
**WEST LAKESIDE STREET
 PARK**
 ADDRESS:
 15275 W. LAKESIDE STREET
 LOS ANGELES, CA 91342

REVISIONS:	DATE:

PLAN NAME:
**GRADING
 AND
 DRAINAGE
 PLAN**

DRAWN BY: MWL	APPROVED BY:
SCALE: AS SHOWN	ISSUE DATE: 1-22-2018
W.O. NO.	FILE NO.

DRAWING NO.
LS-7.03
 SHEET 27 OF 43 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.

SYMBOL	QUANTITY	MANUFACTURER /MODEL / DESCRIPTION	DEGREE	P. S.I.	GPM	RADIUS	REMARKS
	8	RAINBIRD 1806 POP-UP - Falcon 8005 series	360	50	24.3	65'	ADJUST ARC AND RADIUS AS NEEDED
	8	RAINBIRD 1806 POP-UP - Falcon 8005 series	180	50	12.3	65'	ADJUST ARC AND RADIUS AS NEEDED
	4	RAINBIRD 1806 POP-UP - Falcon 8005 series	90	50	12	65'	ADJUST ARC AND RADIUS AS NEEDED
	310	Rainbird RWS-B-C-1404 root watering system grate & bubbler	360	40	1	5'	ADJUST ARC AND RADIUS AS NEEDED
	1,335	Rainbird Flood Bubbler 1806-Sam-PRS-1402 nozzle	360	40	0.5	5'	ADJUST ARC AND RADIUS AS NEEDED
	8	NIBCO T-113 OR APPROVED EQUAL CLASS 125 BRONZE GATE SHUT OFF VALVE WITH WHEEL HANDLE. SAME SIZE AS PIPE DIAMETER. SIZE RANGE: 3/4"-1 1/4"					INSTALL PER DETAIL
	43	BUCKNER SUPERIOR 950 BRASS INDUSTRIAL ELECTRIC REMOTE CONTROL VALVE. SEE PLAN CALLOUT FOR VALVE SIZE.					INSTALL PER DETAIL
	25	RAINBIRD 44LRC OR APPROVED EQUAL 1" QUICK COUPLER VALVE. TWO PIECE BODY WITH LOCKING COVER					INSTALL PER DETAIL
		PRESSURE MAIN LINE, P.V.C. SCH. 40 FOR 3/4" TO 2-1/2" IPS PLASTIC PIPE.					INSTALL PER DETAIL
		LATERAL LINE, P.V.C. SCH. 40; SOLVENT WELD. SIZE AS NOTED ON PLAN.					INSTALL PER DETAIL
		PRESSURE MAIN LINE FOR DRINKING FOUNTAINS TO BE 3/4" TYPE L COPPER. PRESSURE MAIN LINE TO BLDG TO BE 1" TYPE L COPPER.					INSTALL PER DETAIL
		PVC SLEEVE UNDER PAVING. SCHEDULE 40 PVC SLEEVE SHALL BE TWO PIPE SIZES GREATER THAN PIPING WHICH IS TO RUN IN THE SLEEVE. OR 4" DIA. FOR CONTROL WIRES WITHOUT MAINLINE. COVER DEPTH SHALL BE THE SAME AS THE MAINLINE					INSTALL PER DETAIL
	2	NEW WATER METER					
	1	FLOW METER AND MASTER VALVE: TO BE BERMAID 2" 910 MODEL. FLOW SENSING NORMALLY OPEN. 24 AC INSTALL PER MFG. CONNECT TO CONTROLLER					INSTALL PER DETAIL
	2	NEW BACKFLOW ENCLOSURE					INSTALL IN STAINLESS STEEL EXPANDED METAL ENCLOSURE PER DETAIL
	1	FEBCO 825YD 2" REDUCED PRESSURE TYPE BACKFLOW DEVICE WITH LINE SIZE "Y" STRAINER AND BERMAID #790 BURST CONTROL VALVE.					INSTALL PER DETAIL
	1	FEBCO 825YD 1" REDUCED PRESSURE TYPE BACKFLOW DEVICE WITH LINE SIZE "Y" STRAINER AND BERMAID #790 BURST					INSTALL PER DETAIL
	1	RAINBIRD: ESP LXD - 48 STATION W/ ENCLOSURE					USE PVC CONDUIT FOR WIRE BURIAL (NO DIRECT BURIAL) INSTALL IN METAL ENCLOSURE PER DETAIL

PVC PIPE SIZING	
	3/4"
	1"
	1-1/4"
	1-1/2"
	2"

2-WIRE SYSTEM EQUIPMENT LEGEND

	RAINBIRD #FD-101 ONE VALVE DECODER, INSTALL PER MANUFACTURER'S INSTRUCTIONS.
	RAINBIRD #FD-102 TWO VALVE DECODER, INSTALL PER MANUFACTURER'S INSTRUCTIONS.
	RAINBIRD #FD-401 FOUR VALVE DECODER, INSTALL PER MANUFACTURER'S INSTRUCTIONS.
	RAINBIRD #FD-601 SIX VALVE DECODER, INSTALL PER MANUFACTURER'S INSTRUCTIONS.
	RAINBIRD #LSP-1 LINE SURGE PROTECTION, INSTALL IN LOCATIONS SHOWN PER MANUFACTURER'S INSTRUCTIONS AND PER DETAIL 'F', SHEET LS-6.0. MAX. 500' SPACING.

Note: CONTRACTOR TO INSTALL RAINBIRD RECOMMENDED WIRE SYSTEM CABLE FOR ALL DECODER CONNECTIONS.

IRRIGATION NOTES

- IRRIGATION PLANS**
THE PLAN(S) IS DIAGRAMMATIC. LOCATE ALL PIPING, VALVES, ETC. IN PLANTING AREAS WHERE POSSIBLE UNLESS OTHERWISE NOTED. LOCATE ALL IRRIGATION HEADS A MINIMUM OF 3" FROM THE EDGE OF CURBS, WALLS, FENCES, AND/ OR OTHER HARDSCAPE AREAS AND 12" FROM BUILDING WALL.
- VERIFY CONDITIONS**
THE CONTRACTOR SHALL VERIFY EXISTING LOCATIONS OF ALL UTILITY SERVICE LINES AND SHALL ASSUME FULL RESPONSIBILITY FOR ANY DAMAGE INCURRED DURING HIS/HER WORK. VERIFY THE STATIC PSI AND THE GPM AT THE POINT OF CONNECTION. NOTIFY THE PROJECT ENGINEER LANDSCAPE ARCHITECT OF ANY DISCREPANCIES PRIOR TO THE START OF WORK.
- BACKFLOW DEVICE CERTIFICATION**
THE CONTRACTOR SHALL OBTAIN CERTIFICATION OF THE BACKFLOW DEVICE(S) FROM THE LOS ANGELES COUNTY HEALTH DEPARTMENT. SUBMIT THE CERTIFICATE OF APPROVAL FOR BACK FLOW DEVICE PLUS (2) TWO COPIES TO THE PROJECT ENGINEER AT THE TIME OF OPERATIONAL TESTING OF THE IRRIGATION SYSTEM.
- VALVE BOXES**
UNLESS OTHERWISE SHOWN OR NOTED, STANDARD PLAN S-655-0 IS MODIFIED AS FOLLOWS: ALL VALVE/PULL BOXES SHALL BE 9 1/2" x 16" x 12" AND 12" x 22" x 12" SIZES, MADE OF CONCRETE WITH CAST IRON, DOUBLE TOGGLE LOCKING TRAFFIC LID. ALL VALVE/PULL BOX LIDS SHALL BE EMBOSSED WITH THE FOLLOWING IDENTIFICATION IN 2" HIGH INITIALS:
SHUT - OFF VALVE SOV
REMOTE CONTROL VALVE RCV
QUICK COUPLER VALVE QCV
ELECTRICAL PULL BOX ELECTRICAL
CAST IRON LIDS SHALL BE COMPLETELY REMOVABLE FROM THE VALVE BOX (TRAFFIC RATED TYPE). HINGED CAST IRON LIDS ARE UNACCEPTABLE AND ARE NOT TO BE INSTALLED. CONCRETE
- PIPE AND FITTINGS**
ALL MAIN LINES SHALL BE NEW SCH. 80 PVC. AND ALL LATERAL LINES SHALL BE NEW SCH. 40 PVC. ALL THREADED FITTINGS SHALL BE NEW SCH. 80 PVC., UNLESS OTHERWISE NOTED.
- SWING JOINTS**
ALL SPRINKLER HEADS ARE TO HAVE TRIPLE SWING JOINTS (EXCEPT WHERE NOTED ON PLAN). ALL SWING JOINTS SHALL BE CONSTRUCTED OF EITHER SCHEDULE 80 PVC. (SEE CONSTRUCTION DETAILS FOR CONSTRUCTION AND INSTALLATION SWING JOINTS). STREET ELLS WILL NOT BE PERMITTED. CONTRACTOR TO SUBMIT A SWING JOINT FOR APPROVAL PRIOR TO INSTALLATION.
- TRENCHING/EXCAVATION**
THE CONTRACTOR SHALL NOT TRENCH OR EXCAVATE FOR IRRIGATION PIPING, CONDUIT, WALL FOOTINGS, ETC. WITHIN THE DRIP LINE OF ANY EXISTING TREE. ALLOWANCES CAN BE MADE ONLY IF THE CONTRACTOR SUBMITS A WRITTEN REQUEST TO THE PROJECT ENGINEER/LANDSCAPE ARCHITECT STATING WAYS AND MEANS AS TO HOW THE CONTRACTOR WILL PROCEED WITH MINIMUM DISTURBANCE TO THE TREE.
- PIPE BEDDING AND BACKFILL**
BEDDING SHALL SURROUND THE PIPE TO ONE FOOT ABOVE THE TOP OF THE PIPE. BEDDING SHALL BE PLACED IN 6" LIFTS. ALL BEDDING SHALL BE DENSIFIED BY WATER JETTING. WATER JETTING SHALL BE SUFFICIENT TO THOROUGHLY WET BEDDING MATERIAL AROUND THE PIPE (SSPWC 306-1.2.1). THERE SHALL BE NO ROCKS OVER 1/2" IN GREATEST DIMENSION AND NO ORGANIC MATTER PLACED IN THE BEDDING. MATERIAL BACKFILL SHALL BE THE MATERIAL PLACED ABOVE THE BEDDING. BACKFILL SHALL BE PLACED IN ONE-FOOT LIFTS AND DENSIFIED BY WATER JETTING. JETTING SHALL BE CONTINUED UNTIL BACKFILL COLLAPSES AND WATER IS FORCED TO THE SURFACE (SSPWC 306-1.3.1.). PIPE TRENCHES THOROUGHLY DENSIFIED BY WATER SETTLING SHALL HAVE A MINIMUM RELATIVE COMPACTION OF 85%. THERE ARE NO ROCKS OVER 2" IN GREATEST DIMENSION OR ORGANIC MATTER IN THE BACKFILL. TRENCH AREAS WHICH EXHIBIT IN-SUFFICIENT IDENTIFICATION SHALL BE SUBJECT TO COMPACTION TESTS AS REQUESTED BY THE INSPECTOR OR THE PROJECT ENGINEER. ALL SUCH COMPACTION TESTS SHALL BE AT EXPENSE OF THE CONTRACTOR, UNTIL THE 85% COMPACTION IS ACHIEVED. FINISHED TRENCHES SHALL MEET AND MATCH ADJACENT FINISH GRADE FLUSH. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE TRENCHES FLUSH AND SMOOTH UNTIL FINAL ACCEPTANCE OF THE PROJECT. TRENCHES IN EXISTING LAWN SHALL BE REPAIRED PER METHOD 'A' LAWN REPAIR PER THE SSPWC 308-4.8.2.
- ELECTRICAL CONTROL WIRES**
CONTROL WIRING SHALL BE BURIED WITHIN PVC PIPE SLEEVING AND BE TYPE MINIMUM 10 GA. (AWG). SEE IRRIGATION CONTROLLER INSTRUCTIONS FOR WIRE SIZE. PROVIDE WIRING TO ALL REMOTE CONTROL VALVES. ALL WIRING SHALL BE INSTALLED AND IDENTIFIED PER 2-WIRE SYSTEM METHOD AS SPECIFIED BY THE MANUFACTURER.
- ELECTRICAL CONTROL WIRE CONNECTIONS**
CONTROL WIRE CONNECTIONS SHALL BE MADE USING AN APPROVED, WATERTIGHT CONNECTOR SYSTEM. WIRES SHALL BE CONNECTED USING A COPPER CRIMP SLEEVE. THE CONNECTION SHALL BE PLACED IN A TWO PIECE (MALE-FEMALE) MALLEABLE PLASTIC CASING FILLED WATERPROOF SEALANT.
- LOW HEAD DRAINAGE**
THE CONTRACTOR SHALL INSTALL IN-LINE LOW HEAD DRAINAGE VALVES AT IRRIGATION HEADS OR AS INDICATED ON THE PLAN (S) WHERE NECESSARY TO PREVENT LOW HEAD DRAINAGE AT NO ADDITION COST TO THE CITY.
- CONTROLLER CHARTS**
THE CONTRACTOR SHALL PROVIDE TWO SETS OF THE CONTROLLER CHARTS SHOWING THE APPROVED AS-BUILT IRRIGATION PLANS. THE CHARTS SHALL BE DONE ON HALF SIZE PHOTOGRAPHIC REPRODUCTION OF THE APPROVED IRRIGATION AS-BUILT PLANS AND SHALL REFLECT ALL AS-BUILT DATA. EACH STATION SHALL BE SHOWN IN A DIFFERENT COLOR AND CONTROL WIRE LOCATIONS SHALL BE INDICATED. THE COMPLETE PLAN(S) SHALL BE LAMINATED ON EACH SIDE WITH 20 MIL. ACRYLIC PLASTIC SHEET. A 3/4" BRASS GROMMET SHALL BE PLACED IN EACH TOP CORNER. THE CONTRACTOR SHALL OBTAIN APPROVAL OF THE AS-BUILT PLANS PRIOR TO PROCEEDING WITH THE PLASTIC LAMINATION.
- COVERAGE**
INSTALLER SHALL PROVIDE 100% HEAD TO HEAD COVERAGE FOR TURF AND SHALL ADJUST ALL ROTORS, POP-UPS AND BUBBLERS RADII AS NEEDED TO MINIMIZE OVERSPRAY INTO ANY/ALL PATHWAYS. PROVIDE COVERAGE TEST TO BE PERFORMED IN THE PRESENCE OF THE RAP PROJECT LANDSCAPE ARCHITECT.



PARK PROUDLA

THE CITY OF LOS ANGELES
DEPARTMENT OF RECREATION AND PARKS
SUPERINTENDENT: CATHE SANTO DOMINGO
GENERAL MANAGER: MICHAEL SHULL
PROJECT LANDSCAPE ARCHITECT: _____ U.C. NO. _____ DATE: _____
PROJECT ENGINEER: _____ U.C. NO. _____
AS-BUILTS DRAWN BY: _____



PROJECT NAME:
WEST LAKESIDE STREET PARK
ADDRESS:
**15275 W. LAKESIDE STREET
LOS ANGELES, CA 91342**

REVISIONS:	DATE:

**PLAN NAME:
IRRIGATION LEGEND & NOTES**

DRAWN BY: MWL	APPROVED BY:
SCALE: AS SHOWN	ISSUE DATE: 1-22-2018
W.O. NO.	FILE NO.

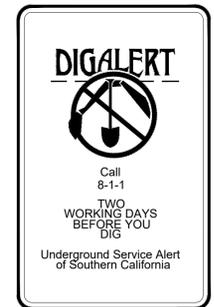
DRAWING NO.
LS-8.0
SHEET 28 OF 43 SHEETS

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.



POINT OF CONNECTION AT NEW WATER METER

SYMBOL	QUANTITY	MANUFACTURER / MODEL / DESCRIPTION	DEGREE	P.S.I.	GPM	RADIUS	REMARKS
■	8	RAINBIRD 1806 POP-UP - Falcon 8005 series	360	50	24.3	65'	ADJUST ARC AND RADIUS AS NEEDED
□	8	RAINBIRD 1806 POP-UP - Falcon 8005 series	180	50	12.3	65'	ADJUST ARC AND RADIUS AS NEEDED
▣	4	RAINBIRD 1806 POP-UP - Falcon 8005 series	90	50	12	65'	ADJUST ARC AND RADIUS AS NEEDED
△	310	Rainbird RWS-B-C-1404 root watering system grate & bubbler	360	40	1	5'	ADJUST ARC AND RADIUS AS NEEDED
●	1,335	Rainbird Flood Bubbler 1806-Sam-PRS-1402 nozzle	360	40	0.5	5'	ADJUST ARC AND RADIUS AS NEEDED
○	8	NIBCO T-113 OR APPROVED EQUAL CLASS 125 BRONZE GATE SHUT OFF VALVE WITH WHEEL HANDLE, SAME SIZE AS PIPE DIAMETER, SIZE RANGE: 3/4"-1 1/4"					INSTALL PER DETAIL
⊕	43	BUCKNER SUPERIOR 950 BRASS INDUSTRIAL ELECTRIC REMOTE CONTROL VALVE, SEE PLAN CALLOUT FOR VALVE SIZE.					INSTALL PER DETAIL
⊙	25	RAINBIRD 44LRC OR APPROVED EQUAL, 1" QUICK COUPLER VALVE, TWO PIECE BODY WITH LOCKING COVER					INSTALL PER DETAIL
---		PRESSURE MAIN LINE, P.V.C. SCH. 40 FOR 3/4" TO 2-1/2" IPS PLASTIC PIPE, FOR 3", 4" AND LARGER PIPE SIZE, USE CLASS 315 IPS PLASTIC PIPE.					INSTALL PER DETAIL
---		LATERAL LINE, P.V.C. SCH. 40; SOLVENT WELD, SIZE AS NOTED ON PLAN.					INSTALL PER DETAIL
---		PRESSURE MAIN LINE FOR DRINKING FOUNTAINS TO BE 3/4" TYPE L COPPER. PRESSURE MAIN LINE TO BLDG TO BE 1" TYPE L COPPER.					INSTALL PER DETAIL
---		PVC SLEEVE UNDER PAVING, SCHEDULE 40 PVC SLEEVE SHALL BE TWO PIPE SIZES GREATER THAN PIPING WHICH IS TO RUN IN THE SLEEVE, OR 4" DIA. FOR CONTROL WIRES WITHOUT MAINLINE. COVER DEPTH SHALL BE THE SAME AS THE MAINLINE					INSTALL PER DETAIL
M	2	NEW WATER METER					
FM	1	FLOW METER AND MASTER VALVE TO BE BERMAID 2" 910 MODEL. FLOW SENSING NORMALLY OPEN, 24 AC INSTALL PER MFG. CONNECT TO CONTROLLER					INSTALL PER DETAIL
BE	2	NEW BACKFLOW ENCLOSURE					INSTALL IN STAINLESS STEEL EXPANDED METAL ENCLOSURE PER DETAIL
FB	1	FEBCO 825YD 2" REDUCED PRESSURE TYPE BACKFLOW DEVICE WITH LINE SIZE "Y" STRAINER AND BERMAID #790 BURST CONTROL VALVE.					INSTALL PER DETAIL
FB	1	FEBCO 825YD 1" REDUCED PRESSURE TYPE BACKFLOW DEVICE WITH LINE SIZE "Y" STRAINER AND BERMAID #790 BURST					INSTALL PER DETAIL
C	1	RAINBIRD ESP LX-D - 48 STATION W/ ENCLOSURE					USE PVC CONDUIT FOR WIRE BURIAL (NO DIRECT BURIAL) INSTALL IN METAL ENCLOSURE PER DETAIL



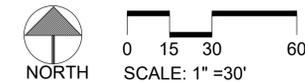
2-WIRE SYSTEM EQUIPMENT LEGEND

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2	RAINBIRD #FD-102 TWO VALVE DECODER, INSTALL PER MANUFACTURER'S INSTRUCTIONS.
4	RAINBIRD #FD-401 FOUR VALVE DECODER, INSTALL PER MANUFACTURER'S INSTRUCTIONS.
6	RAINBIRD #FD-601 SIX VALVE DECODER, INSTALL PER MANUFACTURER'S INSTRUCTIONS.
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Note: CONTRACTOR TO INSTALL RAINBIRD RECOMMENDED WIRE SYSTEM CABLE FOR ALL DECODER CONNECTIONS.

PVC PIPE SIZING

+	3/4"
+	1"
#	1-1/4"
#	1-1/2"
#	2"



PARK PROUD LA

THE CITY OF LOS ANGELES
DEPARTMENT OF RECREATION AND PARKS
SUPERINTENDENT: CATHIE SANTO DOMINGO
GENERAL MANAGER: MICHAEL SHULL
PROJECT LANDSCAPE ARCHITECT:
PROJECT ENGINEER:
AS-BUILT DRAWN BY:
DATE:

PROJECT NAME:
WEST LAKESIDE STREET PARK
ADDRESS:
**15275 W. LAKESIDE STREET
LOS ANGELES, CA 91342**

REVISIONS: DATE:

PLAN NAME:
IRRIGATION PLAN - OVERALL

DRAWN BY: APPROVED BY:

SCALE: MWL ISSUE DATE: 1-22-2018
W.O. NO. AS SHOWN FILE NO.

DRAWING NO.
LS-8.001
SHEET 29 OF 43 SHEETS

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



SYMBOL	QUANTITY	MANUFACTURER / MODEL / DESCRIPTION	DEGREE	P.S.I.	GPM	RADIUS	REMARKS
■	8	RAINBIRD 1806 POP-UP - Falcon 8005 series	360	50	24.3	65'	ADJUST ARC AND RADIUS AS NEEDED
□	8	RAINBIRD 1806 POP-UP - Falcon 8005 series	180	50	12.3	65'	ADJUST ARC AND RADIUS AS NEEDED
▣	4	RAINBIRD 1806 POP-UP - Falcon 8005 series	90	50	12	65'	ADJUST ARC AND RADIUS AS NEEDED
△	310	Rainbird RWS-B-C-1404 root watering system grate & bubbler	360	40	1	5'	ADJUST ARC AND RADIUS AS NEEDED
●	1,335	Rainbird Flood Bubbler 1806-Sam-PRS-1402 nozzle	360	40	0.5	5'	ADJUST ARC AND RADIUS AS NEEDED
○	8	NIBCO T-113 OR APPROVED EQUAL CLASS 125 BRONZE GATE SHUT OFF VALVE WITH WHEEL HANDLE. SAME SIZE AS PIPE DIAMETER. SIZE RANGE: 3/4\"-1 1/4\"					INSTALL PER DETAIL
⊕	43	BUCKNER SUPERIOR 950 BRASS INDUSTRIAL ELECTRIC REMOTE CONTROL VALVE. SEE PLAN CALLOUT FOR VALVE SIZE.					INSTALL PER DETAIL
⊙	25	RAINBIRD 44LRC OR APPROVED EQUAL. 1\" QUICK COUPLER VALVE. TWO PIECE BODY WITH LOCKING COVER					INSTALL PER DETAIL
---		PRESSURE MAIN LINE, P.V.C. SCH. 40 FOR 3/4\" TO 2-1/2\" IPS PLASTIC PIPE. FOR 3\", 4\" AND LARGER PIPE SIZE, USE CLASS 315 IPS PLASTIC PIPE.					INSTALL PER DETAIL
---		LATERAL LINE, P.V.C. SCH. 40; SOLVENT WELD, SIZE AS NOTED ON PLAN.					INSTALL PER DETAIL
---		PRESSURE MAIN LINE FOR DRINKING FOUNTAINS TO BE 3/4\" TYPE L COPPER. PRESSURE MAIN LINE TO BLDG TO BE 1\" TYPE L COPPER.					INSTALL PER DETAIL
---		PVC SLEEVE UNDER PAVING. SCHEDULE 40 PVC SLEEVE SHALL BE TWO PIPE SIZES GREATER THAN PIPING WHICH IS TO RUN IN THE SLEEVE, OR 4\" DIA. FOR CONTROL WIRES WITHOUT MAINLINE. COVER DEPTH SHALL BE THE SAME AS THE MAINLINE					INSTALL PER DETAIL
M	2	NEW WATER METER					
FM	1	FLOW METER AND MASTER VALVE: TO BE BERMAID 2\" 910 MODEL. FLOW SENSING NORMALLY OPEN. 24 AC INSTALL PER MFG. CONNECT TO CONTROLLER					INSTALL PER DETAIL
⊞	2	NEW BACKFLOW ENCLOSURE					INSTALL IN STAINLESS STEEL EXPANDED METAL ENCLOSURE PER DETAIL
⊞	1	FEBCO 825YD 2\" REDUCED PRESSURE TYPE BACKFLOW DEVICE WITH LINE SIZE \"Y\" STRAINER AND BERMAID #790 BURST CONTROL VALVE.					INSTALL PER DETAIL
⊞	1	FEBCO 825YD 1\" REDUCED PRESSURE TYPE BACKFLOW DEVICE WITH LINE SIZE \"Y\" STRAINER AND BERMAID #790 BURST					INSTALL PER DETAIL
⊞	1	RAINBIRD: ESP LX-D - 48 STATION W/ ENCLOSURE					USE PVC CONDUIT FOR WIRE BURIAL (NO DIRECT BURIAL) INSTALL IN METAL ENCLOSURE PER DETAIL

+	3/4"
+	1"
+	1-1/4"
+	1-1/2"
+	2"

SEE SHEET LS-8.03

SEE SHEET LS-8.02

SEE SHEET LS-8.02

A-43	36gpm	1.5"
A-42	19gpm	1.25"

A-40	38gpm	1.5"
A-39	33gpm	1.5"
A-38	42gpm	2"
A-37	34gpm	1.5"

A-35	33gpm	1"
A-36	13gpm	1.25"

A-32	16gpm	1.25"
A-33	25gpm	1.25"
A-34	42gpm	2"



PARK PROUD LA

THE CITY OF LOS ANGELES
DEPARTMENT OF RECREATION AND PARKS
SUPERINTENDENT: CATHE SANTO DOMINGO
GENERAL MANAGER: MICHAEL SHULL
PROJECT LANDSCAPE ARCHITECT:
PROJECT ENGINEER:
AS-BUILT DRAWING BY:
DATE:

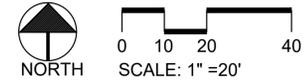
PROJECT NAME:
WEST LAKESIDE STREET PARK
ADDRESS:
**15275 W. LAKESIDE STREET
LOS ANGELES, CA 91342**

REVISIONS: DATE:
△
△
△
△
△

PLAN NAME:
IRRIGATION PLAN

DRAWN BY: CAR APPROVED BY: CAR
SCALE: AS SHOWN ISSUE DATE: 1-22-2018
W.O. NO. FILE NO.

DRAWING NO.
LS-8.01
SHEET 30 OF 43 SHEETS



DIGALERT

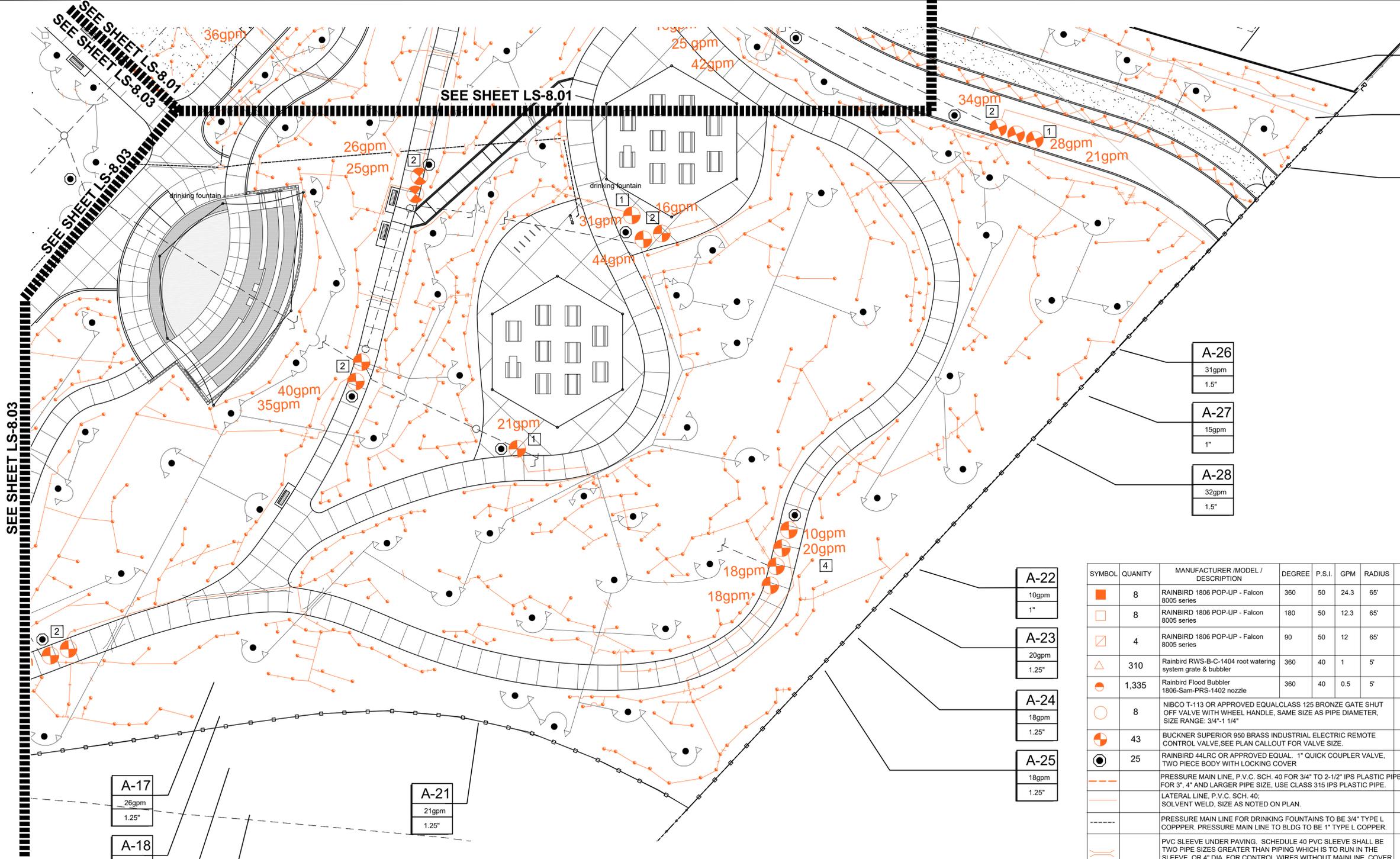
Call
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TWO
WORKING DAYS
BEFORE YOU
DIG
Underground Service Alert
of Southern California

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



PARK PROUD LA

THE CITY OF LOS ANGELES
DEPARTMENT OF RECREATION AND PARKS
SUPERINTENDENT: CATHE SANTO DOMINGO
GENERAL MANAGER: MICHAEL SHULL
PROJECT LANDSCAPE ARCHITECT: _____
PROJECT ENGINEER: _____
DATE: _____



- A-29
38gpm
1.5"
- A-30
22gpm
1.25"
- A-31
18gpm
1.25"

- A-26
31gpm
1.5"
- A-27
15gpm
1"
- A-28
32gpm
1.5"

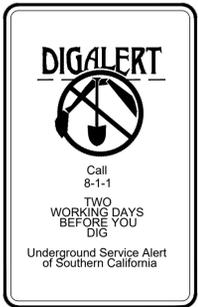
- A-22
10gpm
1"
- A-23
20gpm
1.25"
- A-24
18gpm
1.25"
- A-25
18gpm
1.25"

- A-17
26gpm
1.25"
- A-18
25gpm
1.25"
- A-19
40gpm
2"
- A-20
35gpm
1.5"

- A-21
21gpm
1.25"

SYMBOL	QUANTITY	MANUFACTURER / MODEL / DESCRIPTION	DEGREE	P. S.I.	GPM	RADIUS	REMARKS
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C	1	RAINBIRD: ESP LXD - 48 STATION W/ ENCLOSURE					USE PVC CONDUIT FOR WIRE BURIAL (NO DIRECT BURIAL) INSTALL IN METAL ENCLOSURE PER DETAIL

+	3/4"
-	1"
#	1-1/4"
##	1-1/2"
###	2"



PROJECT NAME:
WEST LAKESIDE STREET PARK
ADDRESS:
15275 W. LAKESIDE STREET LOS ANGELES, CA 91342

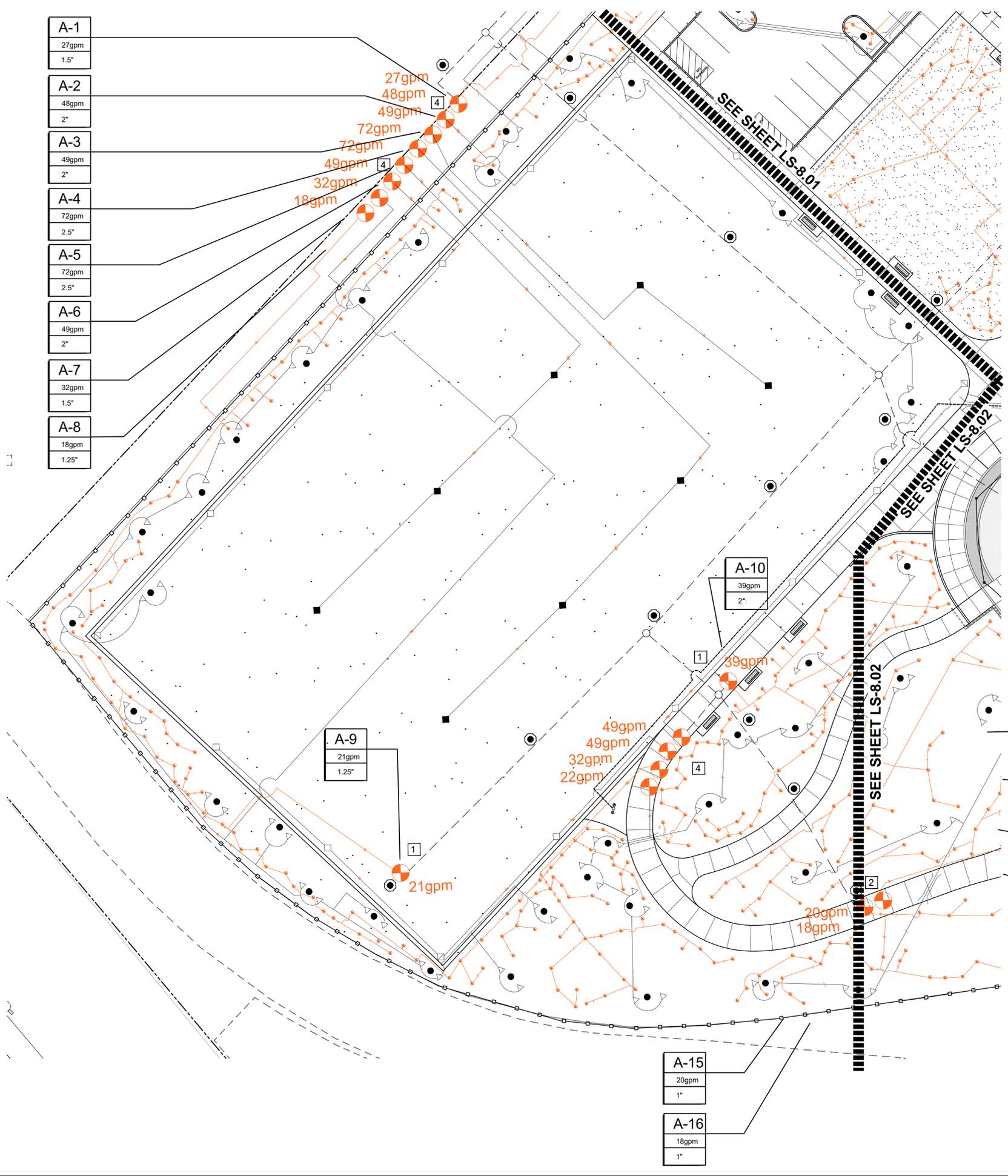
REVISIONS:	DATE:

PLAN NAME:
IRRIGATION PLAN

DRAWN BY: MWL
APPROVED BY: _____
SCALE: AS SHOWN
ISSUE DATE: 1-22-2018
W.O. NO. _____
FILE NO. _____

DRAWING NO.
LS-8.02
SHEET 31 OF 43 SHEETS

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



- A-1
27gpm
1.5"
- A-2
48gpm
2"
- A-3
49gpm
2"
- A-4
72gpm
2.5"
- A-5
72gpm
2.5"
- A-6
49gpm
2"
- A-7
32gpm
1.5"
- A-8
18gpm
1.25"

- A-9
21gpm
1.25"

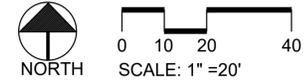
- A-10
39gpm
2"

- A-11
49gpm
2"
- A-12
49gpm
2"
- A-13
32gpm
1.25"
- A-14
22gpm
1"

- A-15
20gpm
1"
- A-16
18gpm
1"

SYMBOL	QUANTITY	MANUFACTURER / MODEL / DESCRIPTION	DEGREE	P.S.I.	GPM	RADIUS	REMARKS
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FB	1	FEBCO 825YD 2" REDUCED PRESSURE TYPE BACKFLOW DEVICE WITH LINE SIZE "Y" STRAINER AND BERMAD #790 BURST CONTROL VALVE.					INSTALL PER DETAIL
FB	1	FEBCO 825YD 1" REDUCED PRESSURE TYPE BACKFLOW DEVICE WITH LINE SIZE "Y" STRAINER AND BERMAD #790 BURST					INSTALL PER DETAIL
ES	1	RAINBIRD: ESP LXD - 48 STATION W/ ENCLOSURE					USE PVC CONDUIT FOR WIRE BURIAL (NO DIRECT BURIAL) INSTALL IN METAL ENCLOSURE PER DETAIL

PVC PIPE SIZING	
+	3/4"
-	1"
#	1-1/4"
##	1-1/2"
###	2"



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WORKING DAYS
BEFORE YOU
DIG

Underground Service Alert
of Southern California



PARK PROUDLA

THE CITY OF LOS ANGELES
 DEPARTMENT OF RECREATION AND PARKS
 SUPERINTENDENT: CATHIE SANTO DOMINGO
 GENERAL MANAGER: MICHAEL SHULL
 PROJECT LANDSCAPE ARCHITECT:
 PROJECT ENGINEER:
 AS BUILT DRAWING BY:



PROJECT NAME:
**WEST LAKESIDE STREET
 PARK**
 ADDRESS:
**15275 W. LAKESIDE STREET
 LOS ANGELES, CA 91342**

REVISIONS:	DATE:

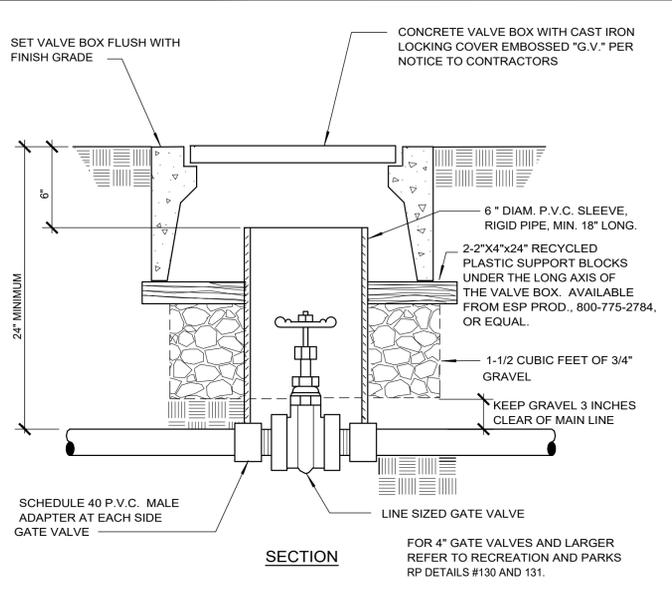
PLAN NAME:
**IRRIGATION
PLAN**

DRAWN BY: MWL
APPROVED BY:

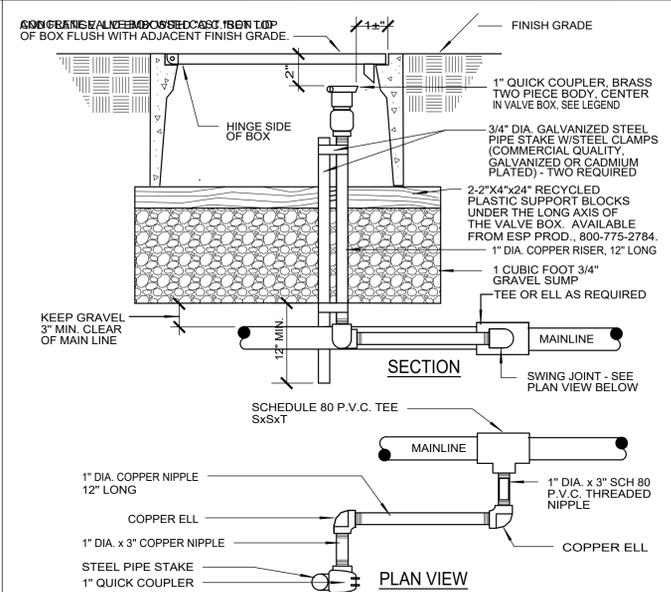
SCALE: AS SHOWN
ISSUE DATE: 1-22-2018
W.O. NO. FILE NO.

DRAWING NO.
LS-8.03
SHEET 32 OF 43 SHEETS

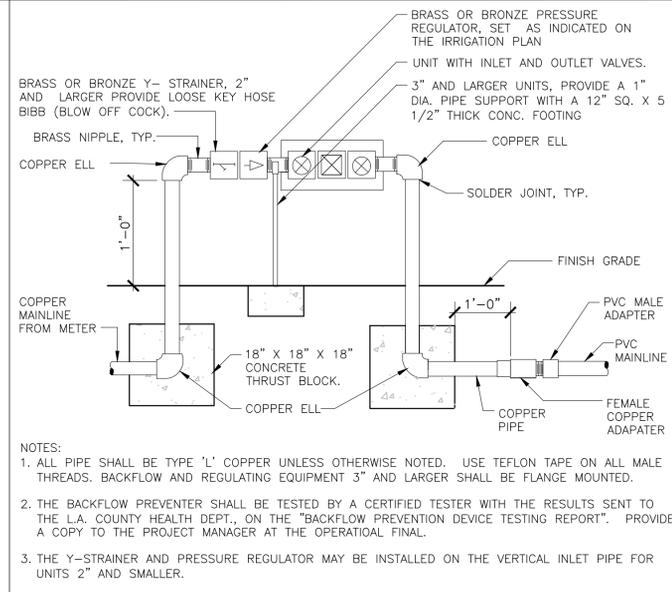
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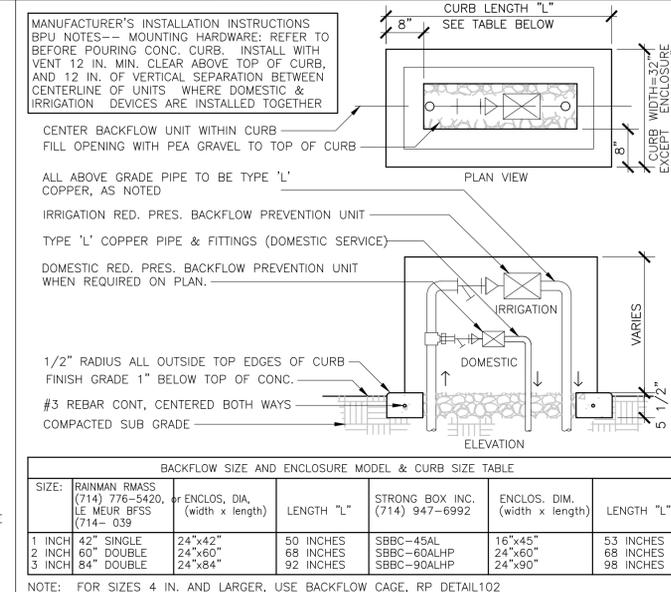
A GATE VALVE INSTALLATION, 3/4" TO 3"
N.T.S. RP DETAIL 100



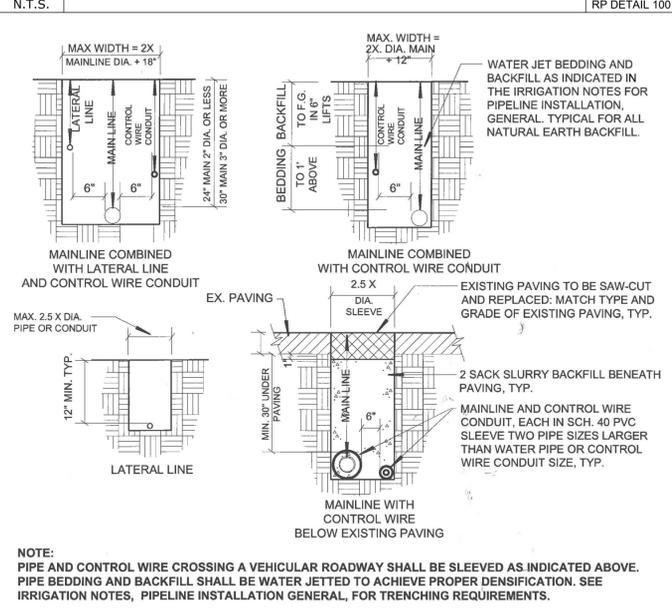
B QUICK COUPLER INSTALLATION
N.T.S. RP DETAIL 101



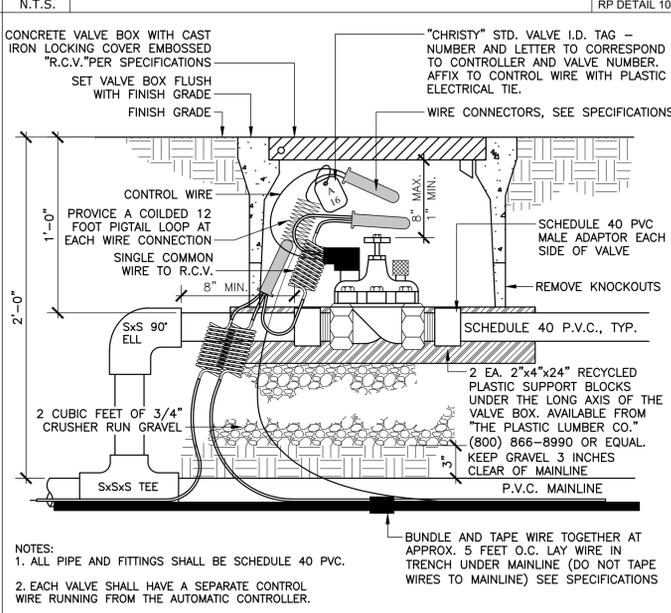
C BACKFLOW PREVENTER UNIT TO 3"
N.T.S. RP DETAIL 100



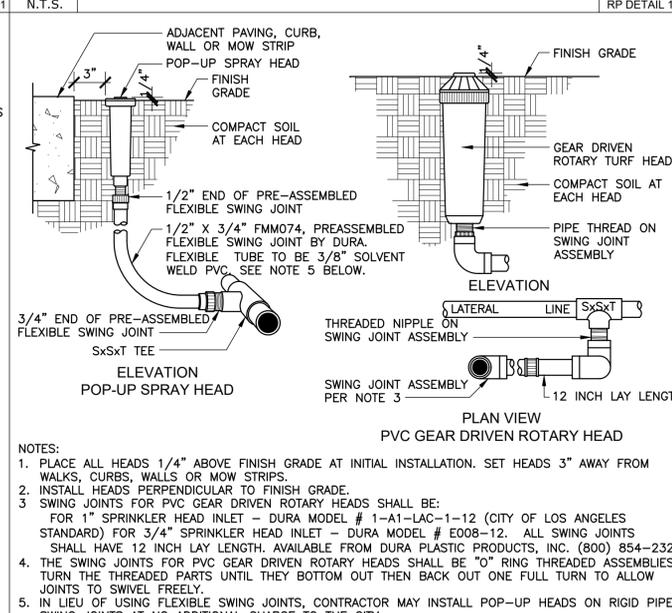
D BACKFLOW DEVICE ENCLOSURE
N.T.S. RP DETAIL 101



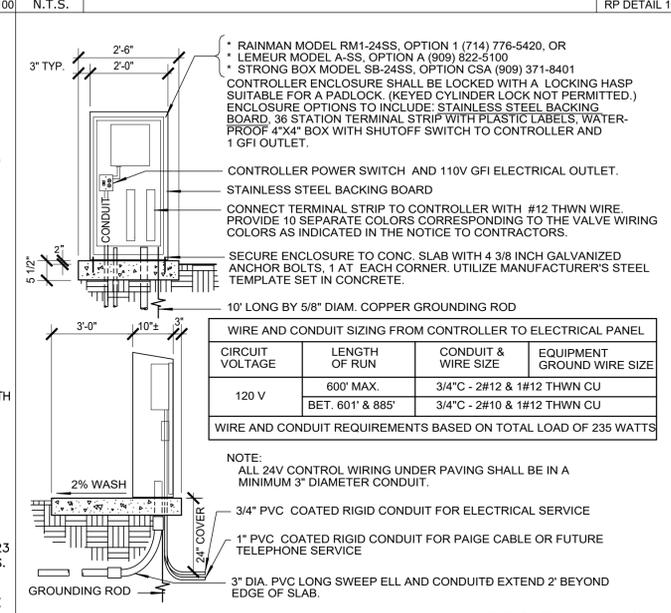
E IRRIGATION TRENCHING DETAIL
N.T.S. RP DETAIL 135



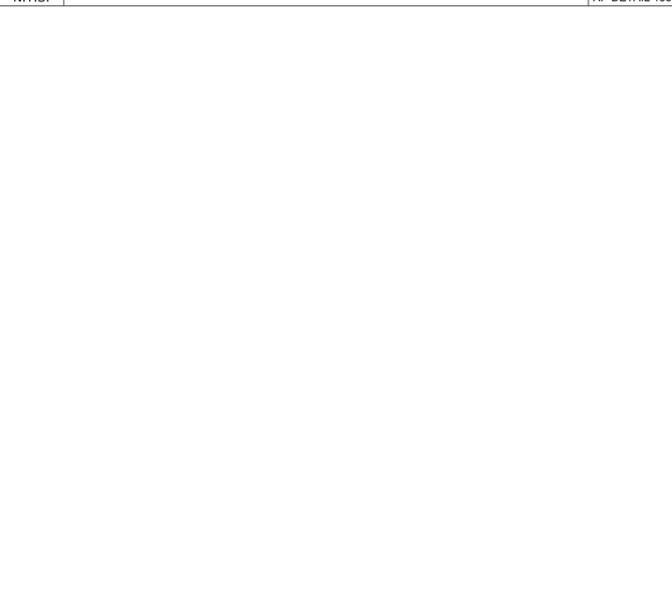
F RCV INSTALLATION
N.T.S. RP DETAIL 140



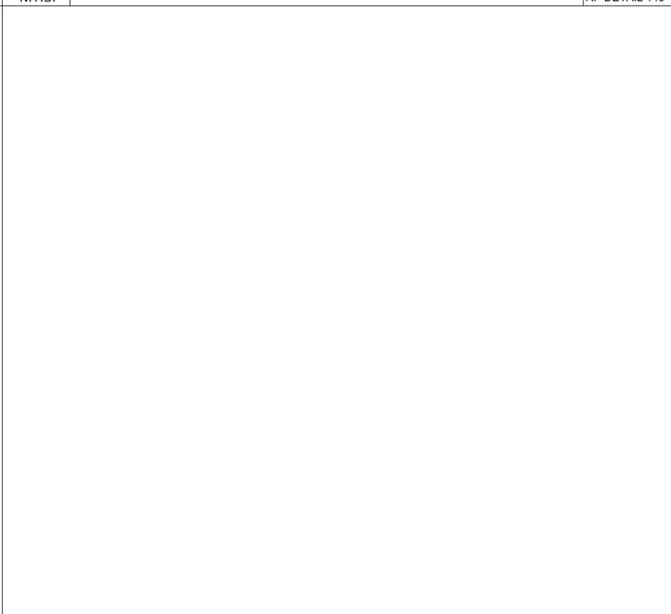
G IRRIGATION HEAD INSTALLATION
N.T.S. RP DETAIL 162



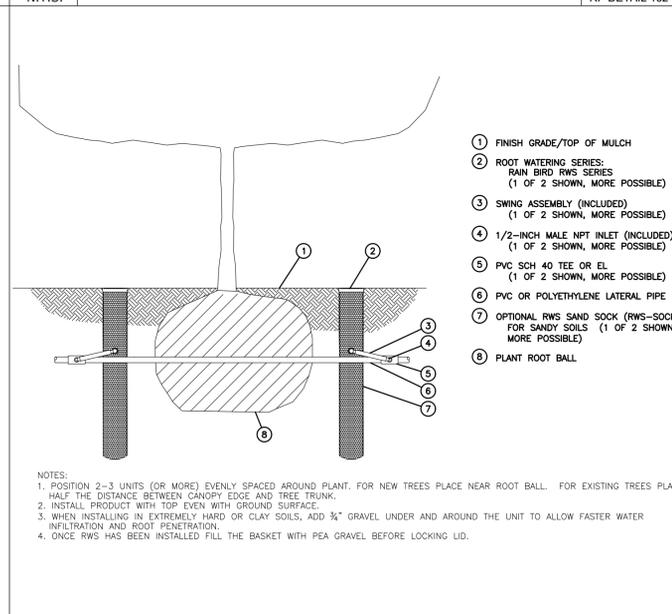
H SINGLE CONTROLLER ENCLOSURE
N.T.S. RP DETAIL 147



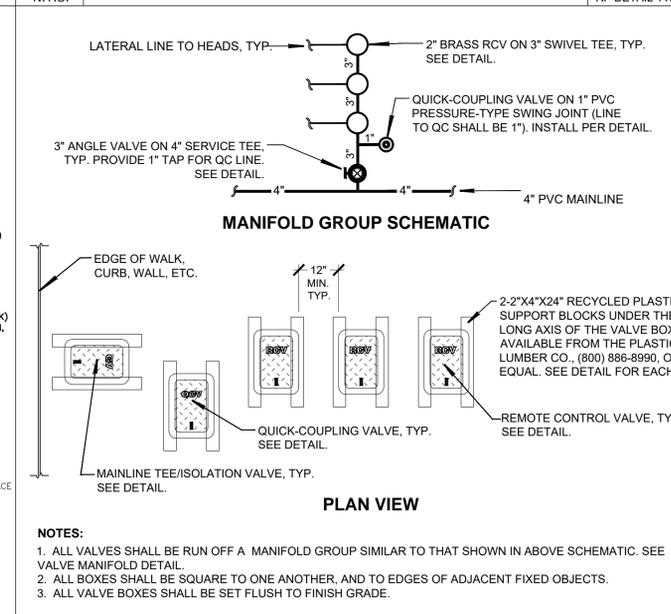
I NOT USED
N.T.S.



J NOT USED
N.T.S.



K ROOT WATERING SYSTEM
N.T.S.



L VALVE BOX PLACEMENT
N.T.S.



PARK PROUD LA

THE CITY OF LOS ANGELES
DEPARTMENT OF RECREATION AND PARKS
SUPERINTENDENT: CATHE SANTO DOMINGO
GENERAL MANAGER: MICHAEL SHULL
PROJECT LANDSCAPE ARCHITECT: _____
PROJECT ENGINEER: _____
DATE: _____

PROJECT NAME:
WEST LAKESIDE STREET PARK
ADDRESS:
**15275 W. LAKESIDE STREET
LOS ANGELES, CA 91342**

REVISIONS:	DATE:

PLAN NAME:
IRRIGATION DETAILS

DRAWN BY: _____ APPROVED BY: _____
SCALE: MWL ISSUE DATE: 1-22-2018
W.O. NO. AS SHOWN FILE NO. _____
DRAWING NO. **LS-8.1**
SHEET 33 OF 43 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.

NOTE:
 ALL PLANT MATERIALS SHALL BE PLANTED WITH SOIL CONDITIONERS. THE SOIL CONDITIONER SHALL BE 'TERRACOTTEM ARBOR' FOR TREES AND SHRUBS AND 'TERRACOTTEM TURF' FOR GRASS. APPLICATION RATES FOR TERRACOTTEM SOIL CONDITIONERS ARE AS FOLLOW:
 TREES AND SHRUBS - 2 LBS. PER EACH 15 GAL. SIZE CONTAINER PLANT.
 LAWNS - 5 LBS/100 SQ. FT.

TERRACOTTEM CONTACT: NATHAN STRAUME
 email: hort@terracottem.com.au
 website: www.terracottem.com.au

TREE PROTECTION SPECIFICATIONS

1.01 TREE PROTECTION

(a) All trees that occur within the area of work, as shown on the plans, and NOT specifically designated for removal, shall be protected by the following means:

- ANY FAILURE BY THE CONTRACTOR TO ADHERE TO THE REQUIREMENTS SPECIFIED BELOW WILL RESULT IN THE SUSPENSION OF ALL CONSTRUCTION ACTIVITIES, TO BE DONE AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACEMENT OF OR PAYMENT FOR ANY TREES DAMAGED THROUGH NON-COMPLIANCE WITH THESE SPECIFICATIONS. THE MONETARY OR REPLACEMENT VALUE OF IMPACTED TREES WILL BE DETERMINED BY A RECREATION AND PARKS (RAP) ARBORIST OR BY A RAP APPROVED ARBORIST.
- Defining the Tree Protection Zone (TPZ)** - The radius (not the diameter) of the TPZ, measured from the outside of the tree trunk, shall be calculated according to the following:
 - Single trunk trees** - multiply the trunk diameter in inches, measured 4.5' above grade, by 1.5 feet.
 - Multi trunk trees** - multiply the sum of the diameters of all trunks in inches, measured 4.5' above grade, by 1.5 feet.
 - Palm trees** - 5' from the base of the trunk.
- Beyond the TPZ, the contractor shall also be responsible for protecting all trees within the boundaries of the construction zone, including vehicular access areas, lay down areas, and any other areas impacted by construction activities. Any damage to trees in these areas shall also be subject to the same monetary or replacement requirements specified in #1 above. Any necessary root cutting in this area must be confirmed with either the RAP or other approved arborist. See also the General Conditions for any damage done by the contractor to landscaping or other park amenities that fall outside the boundaries of the construction zone.
- Within the boundaries of the construction zone (including the TPZ), the contractor shall be responsible for mitigating construction-related dust accumulation on all trees by spraying the trunks, limbs, and foliage with water to a maximum height of 30 feet during the months of April through November, at monthly intervals.
- Within the TPZ, the contractor shall adhere to the following requirements, including, but not limited to:
 - No stockpiling or storage of any material, debris, or soil.
 - No storage of any construction equipment.

- No vehicular access.
- No cutting of roots.
- No disturbance of soil or grade changes.
- No objects of any kind to be attached to tree trunks.

- The contractor shall install a 5' temporary chain link fence with one pedestrian access gate along the boundary of the TPZ. See detail for temporary chain link fence on detail sheet.
- The contractor shall provide one sign per each 20 lineal ft. of fence bordering the TPZ indicating that fencing shall not be removed. See sign detail that is included as part of the temporary chain link detail.
- No work is permitted within the TPZ without the approval of: 1) the project landscape architect, 2) the project manager, and 3) RAP Forestry staff. Any work authorized within the TPZ must be done in accordance with the recommendations of a RAP arborist and under the supervision of a Monitoring Arborist. A Monitoring Arborist must be: 1) an ISA Certified Arborist or a Registered Consulting Arborist with verifiable experience in protecting trees during construction; 2) approved by RAP Forestry. The Monitoring Arborist shall be hired and paid by the contractor.
- Irrigation to all trees NOT specifically designated for removal shall be kept in operation for the duration of the project. Contractor shall be responsible for hand watering all impacted trees if necessitated by temporary shutdowns to existing irrigation systems. Trees are to be irrigated deeply and infrequently so that soil moisture is detectable at a minimum depth of 18" using a soil probe.
- Upon job completion, contractor shall remove all items installed to protect trees during the construction process.
- Any of the following Southern California native tree species fall under Ordinance No. 177404 of the Los Angeles Municipal Code:
 - Oaks, including Valley Oak (*Quercus lobata*), California Live Oak (*Quercus agrifolia*), or any other tree of the oak genus indigenous to California but excluding Scrub Oak (*Quercus dumosa*);
 - Southern California Black Walnut (*Juglans californica* var. *californica*);
 - Western Sycamore (*Platanus racemosa*);
 - California Bay (*Umbellularia californica*).
 Contractor shall comply with the requirements of the ordinance found at: http://cityplanning.lacity.org/Code_Studies/Other/ProtectedTreeOrd.pdf.

TREE LEGEND:

sym	botanical name	common name	size	qty
	Arbutus 'Marina'	Strawberry Guava.....	48" box Multi Trk	21
	Platanus mexicana	Mexican Sycamore.....	36" box Std Trk	30
	Populus 'Nevada'	Populus.....	24" box Std.Trk	32
	Quercus Lobata	Valley Oak.....	48" box	20
	Acacia baileyana 'Purpurea'	Purple Leaf Acacia.....	36"box Std. Trk	52

SHRUB LEGEND:

sym	botanical name	common name	size	qty
	Agave attenuata	Agave	5gallon	80
	Elymus condensatus 'Canyon Prince'	Canyon Prince Wild Rye	1gallon	133
	Baccharis 'Pigeon Point'	Baccharis	1gallon	388
	Eriogonum fasciculatum foliosum	Buckwheat	1gallon	221
	Muhlenbergia 'Pink Flamingos'	Hair Dawn Muhly	1gallon	311
	Muhlenbergia rigens	Deer Grass	1gallon	402
	Rhus Ovata	Sugar Bush	1gallon	319

TURF LEGEND:

sym	botanical name	common name	size	qty.
	Turf seed drought tolerant dwarf Fescue blend	Hydroseed		58,663 sq. ft.

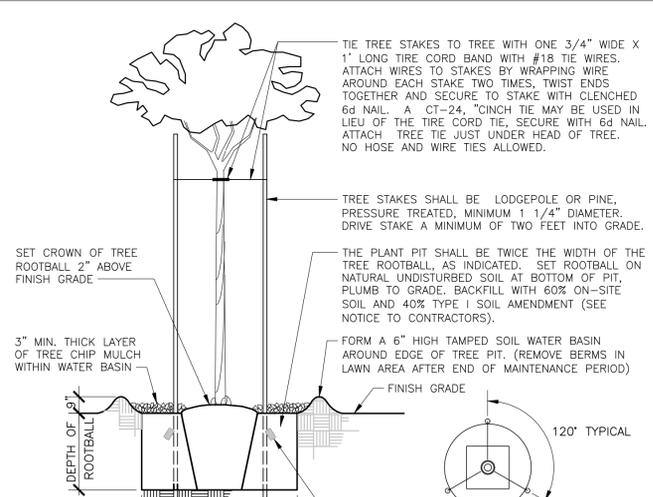
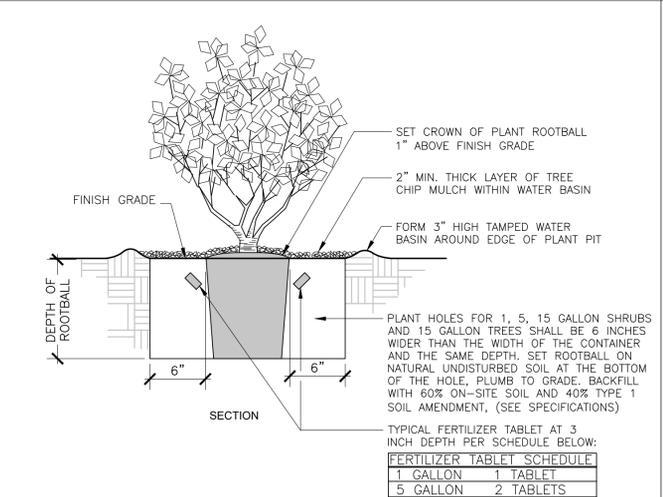
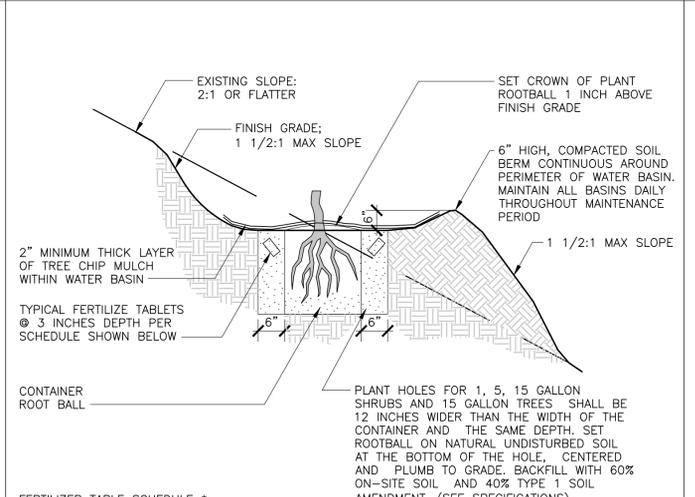
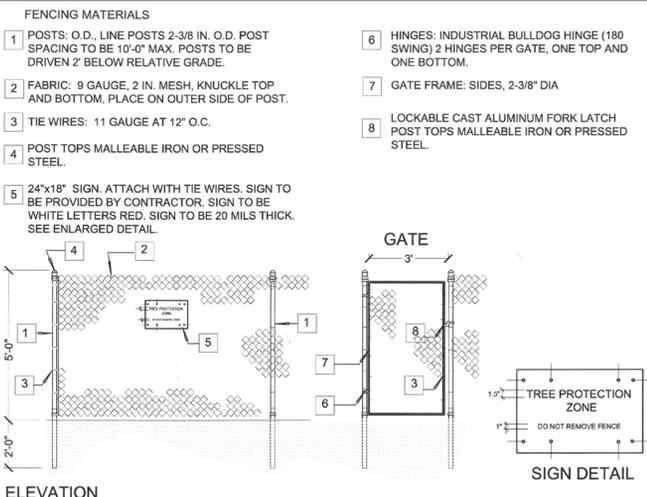
PLANTING NOTES

- THE PLAN(S) ARE DIAGRAMMATIC. THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS AND NOTIFY THE PROJECT ENGINEER/LANDSCAPE ARCHITECT OF ANY DISCREPANCIES PRIOR TO THE START OF WORK.
- CLEARING AND GRUBBING
 THE CONTRACTOR SHALL CLEAR AND GRUB ALL IMPROVEMENT AREAS PRIOR TO THE INSTALLATION OF THE IRRIGATION SYSTEM. SEE SPECIFICATIONS.
- TOPSOIL/SOILS REPORT
 THE CONTRACTOR SHALL OBTAIN AN AGRICULTURAL SUITABILITY REPORT FOR THE ON-SITE SOIL. TAKE A MINIMUM OF 3 TEST SAMPLES AS DIRECTED BY THE CITY LANDSCAPE ARCHITECT, PRIOR TO THE INSTALLATION OF IRRIGATION AND PLANTING. THE RECOMMENDATIONS FOR SOIL AMENDMENTS FROM THE REPORT SHALL BE FOLLOWED IF THEY DIFFER FROM THE ONES GIVEN IN THESE PLANTING NOTES. IF IMPORTED SOIL IS REQUIRED, IT SHALL BE CLASS 'A' SOIL OBTAINED FROM A SOURCE DESIGNATED BY THE CONTRACTOR AND APPROVED BY THE CITY LANDSCAPE ARCHITECT. CONTRACTOR SHALL GUARANTEE THE QUALITY OF THE TOPSOIL WITH AN APPROVED AGRICULTURAL SUITABILITY EVALUATION REPORT. SUBMIT THE EVALUATION REPORT TO THE CITY LANDSCAPE ARCHITECT FOR APPROVAL 30 DAYS PRIOR TO ANY SOIL PLACEMENT.
- PROTECTION OF EXISTING TREES
 THE CONTRACTOR SHALL PROTECT IN PLACE ALL EXISTING TREES AS NOTED ON THE PLANS OR AS DIRECTED BY THE CITY ENGINEER/LANDSCAPE ARCHITECT. THE CONTRACTOR SHALL NOT STORE ANY CONSTRUCTION MATERIALS INCLUDING EQUIPMENT OR EXCAVATED SOILS NOR OPERATE ANY MACHINERY THAT MIGHT COMPACT THE EXISTING SOIL WITHIN THE DRIP LINE OF THE TREE'S CANOPY. THE CONTRACTOR SHALL PROVIDE IRRIGATION AND MAINTENANCE TO ALL PLANT MATERIALS THAT ARE TO REMAIN UNDISTURBED. THE CONTRACTOR SHALL BE RESPONSIBLE TO REPLACE IN SIZE, KIND, AND TO THE SATISFACTION OF THE CITY ENGINEER/LANDSCAPE ARCHITECT ANY EXISTING PLANT MATERIAL THAT IS TO BE PROTECTED AND IS DAMAGED DURING THE CONSTRUCTION PERIOD.
- WEED ABATEMENT
 THE CONTRACTOR SHALL SUBMIT A WEED ABATEMENT PROGRAM TO THE CITY ENGINEER/LANDSCAPE ARCHITECT FOR APPROVAL 30 DAYS PRIOR TO THE START OF PLANTING OPERATIONS. NO PLANTING OPERATIONS WILL BE ALLOWED UNTIL ALL PLANTING AREAS ARE CLEARED OF WEEDS IN ACCORDANCE WITH THE WEED ABATEMENT PROGRAM AND TO THE SATISFACTION OF THE CITY ENGINEER/LANDSCAPE ARCHITECT. MAINTAIN ALL PLANTING AREAS FREE OF WEEDS FOR THE DURATION OF THE CONTRACT.

- PLANT LAYOUT
 THE CONTRACTOR SHALL NOTIFY THE CITY ENGINEER 48 HOURS PRIOR TO PLANTING OPERATIONS TO CONFIRM THE LOCATION OF PLANT MATERIALS. LOCATIONS AND QUANTITIES OF PLANT MATERIALS ON THE PLANS ARE APPROXIMATE AND ARE PROVIDED TO SHOW GENERAL INTENT. PLANT LOCATION ADJUSTMENTS SHALL BE PERFORMED BY THE CONTRACTOR AS DIRECTED BY THE CITY ENGINEER/LANDSCAPE ARCHITECT AT NO ADDITIONAL COST TO THE CITY.
- SOIL CONDITIONING
 ALL PLANTING AREAS SHALL HAVE THE FOLLOWING AMENDMENTS TILLED INTO THE TOP 6" OF THE SOIL PER 1000 SQUARE FEET:
 - THREE (3) CUBIC YARDS OF NITROGEN FORTIFIED WOOD COMPOST (TYPE 1 ORGANIC SOIL AMENDMENT).
 - TWO (2) CUBIC YARDS OF ORGANIC FERTILIZER (TYPE 2 ORGANIC SOIL AMENDMENT)
 - 100 POUNDS OF AGRICULTURAL GYPSUM
 - 20 POUNDS OF 12-12-12 QUICK RELEASE COMMERCIAL FERTILIZER THESE QUANTITIES ARE FOR BID BASIS ONLY. REFER TO SOILS REPORTS FOR FINAL QUANTITIES (SEE SPECIFICATIONS).
- BACKFILL MIX
 ALL PLANTING HOLES, EXCLUDING PLANTING HOLES SMALLER THAN 1 GALLON SHALL HAVE THE FOLLOWING BACKFILL MIXTURE:
 70% EXISTING TOPSOIL
 30% NITROGEN FORTIFIED WOOD COMPOST (TYPE 1 ORGANIC SOIL AMENDMENT)
 (FOR AZALEAS, SUBSTITUTE 30% PEAT MOSS)
 2 POUNDS PER CUBIC YARD OF IRON SULFATE AND THE FOLLOWING AMOUNT OF PLANTING TABLETS:
 15 GAL. PLANT = FIVE (5) TABLETS
 5 GAL. PLANT = THREE (3) TABLETS
 1 GAL. PLANT = ONE (1) TABLET
 ONE(1) TABLET PER 4" BOX SIZE
- MULCH
 APPLY 1" OF TYPE 5 MULCH IN ALL PLANTING AREAS.

- FERTILIZER
 THE CONTRACTOR SHALL APPLY AN 8-8-4 COMMERCIAL SLOW RELEASE FERTILIZER TO ALL PLANTING AREAS AT A RATE OF 20 POUNDS PER 1000 SQUARE FEET UPON COMPLETION OF THE GROUND COVER PLANTING AND AT THIRTY DAY INTERVALS THEREAFTER UNTIL THE END OF THE PLANT ESTABLISHMENT PERIOD. THOROUGHLY WATER ALL PLANTING AREAS FOLLOWING THE APPLICATION OF THE FERTILIZER. ALL FERTILIZER APPLICATIONS SHALL BE PERFORMED UNDER INSPECTION BY A REPRESENTATIVE FROM THE BUREAU OF CONTRACT ADMINISTRATION.
- PLANT REPLACEMENT
 THE CONTRACTOR SHALL REPLACE AS SOON AS POSSIBLE, ANY PLANT THAT SHOWS SIGNS OF FAILURE TO GROW AT ANY TIME DURING THE CONTRACT PERIOD OR THOSE PLANTS THAT ARE INJURED OR SO DAMAGED AS TO RENDER THEM UNSUITABLE FOR THE PURPOSE INTENDED. PROVIDE REPLACEMENT PLANTS OF THE SAME TYPE AND SIZE, AND INSTALL THEM PER THE PLANTING SPECIFICATION.
- PLANT ESTABLISHMENT PERIOD
 THE CONTRACTOR SHALL PROVIDE A PLANT ESTABLISHMENT PERIOD FOR A LENGTH OF 180 CALENDAR DAYS. ARRANGE FOR A PRE-MAINTENANCE FINAL INSPECTION TO START THE PLANT ESTABLISHMENT PERIOD BY CONTACTING THE PROJECT MANAGER.
- RESTORATION OF DAMAGED AREAS
 THE CONTRACTOR SHALL RESTORE ALL LANDSCAPED AREAS TO THEIR ORIGINAL CONDITION THAT ARE NOT SPECIFICALLY PROVIDED FOR BY THESE PLANS, BUT HAVE BEEN IMPACTED BY CONSTRUCTION. PROVIDE ALL NECESSARY MATERIAL, INCLUDING IRRIGATION EQUIPMENT, SOIL, SOIL AMENDMENTS, PLANTS OF THE SAME SPECIES, KINDS, AND SIZES, ETC. TO THE SATISFACTION OF THE CITY ENGINEER AND THE CITY LANDSCAPE ARCHITECT AT NO ADDITIONAL COST TO THE CITY.
- GUARANTEES
 THE CONTRACTOR SHALL WARRANT ALL TREES 15 GALLON SIZED AND LARGER FOR ONE YEAR AND ALL SHRUBS SHALL BE WARRANTED FOR A PERIOD OF SIX MONTHS. THE WARRANTY PERIOD SHALL BEGIN UPON THE DATE OF THE FINAL POST MAINTENANCE ACCEPTANCE. THIS WARRANTY DOES NOT INCLUDE ITEMS DAMAGED DUE TO THE CITY'S NEGLIGENCE AND/OR TO ACTS OF GOD.

- INSPECTIONS
 ALL WORK AND MATERIALS ARE SUBJECT TO INSPECTION AND APPROVAL IN ADDITION TO INSPECTIONS REQUIRED BY THE STANDARD PLANS SPECIFICATIONS. THE FOLLOWING INSPECTIONS ARE REQUIRED:
 -IRRIGATION SYSTEM PRESSURE TESTING
 -IRRIGATION COVERAGE TEST
 -IRRIGATION SYSTEM OPERATIONS TEST
 *TAGGING OF PLANT MATERIAL 15 GALLON AND LARGER AT THEIR SOURCE.
 *APPROVAL OF ALL PLANT MATERIAL AT THE SITE PRIOR TO PLANTING OPERATIONS.
 *CONFIRMATION AND APPROVAL OF PLANT MATERIAL LOCATION AND SPACING PRIOR TO PLANTING.
 *PRE-MAINTENANCE FINAL LANDSCAPE INSPECTION.
 *POST-MAINTENANCE FINAL LANDSCAPE INSPECTION.
- RECYCLING
 THE CONTRACTOR SHALL RECYCLE ON-OR OF-SITE ALL VEGETATIVE WASTE (PER SECTION 12.43 OF LAMC).



I TREE PROTECTION FENCING
 N.T.S.

J SHRUB AND TREE SLOPE PLANTING
 N.T.S.

K SHRUB PLANTING
 N.T.S.

L TREE PLANTING & 3X STAKING
 N.T.S.



PARK PROUD LA

THE CITY OF LOS ANGELES DEPARTMENT OF RECREATION AND PARKS	
SUPERINTENDENT: CATHIE SANTO DOMINGO	
GENERAL MANAGER: MICHAEL SHULL	PROJECT ENGINEER:
PROJECT LANDSCAPE ARCHITECT:	PROJECT ENGINEER:
AS-BUILTS DRAWN BY:	DATE:



PROJECT NAME:
WEST LAKESIDE STREET PARK
 ADDRESS:
**15275 W. LAKESIDE STREET
 LOS ANGELES, CA 91342**

REVISIONS:	DATE:

PLAN NAME:
PLANTING LEGEND & NOTES

DRAWN BY: MWL
 APPROVED BY: _____

SCALE: AS SHOWN
 ISSUE DATE: 1-22-2018

W.O. NO. _____
 FILE NO. _____

DRAWING NO.
LS-9.0
 SHEET 34 OF 43 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.

TREE LEGEND:

sym	botanical name	common name	size	qty
	Arbutus 'Marina'	Strawberry Guava.....	48" box Multi Trk	21
	Platanus mexicana	Mexican Sycamore.....	36" box Std Trk	30
	Populus 'Nevada'	Populus.....	24" box Std.Trk	32
	Quercus Lobata	Valley Oak.....	48" box	20
	Acacia baileyana 'Purpurea'	Purple Leaf Acacia.....	36"box Std. Trk	52

NOTE:
 ALL PLANT MATERIALS SHALL BE PLANTED WITH SOIL CONDITIONERS. THE SOIL CONDITIONER SHALL BE 'TERRACOTTEM ARBOR' FOR TREES AND SHRUBS AND 'TERRACOTTEM TURF' FOR GRASS.
 APPLICATION RATES FOR TERRACOTTEM SOIL CONDITIONERS ARE AS FOLLOW:
 TREES AND SHRUBS - 2 LBS. PER EACH 15 GAL. SIZE CONTAINER PLANT.
 LAWNS - 5 LBS/100 SQ. FT.
 TERRACOTTEM CONTACT: NATHAN STRAUME
 email: hort@terracottem.com.au
 website: www.terracottem.com.au

TURF LEGEND:

sym	botanical name	common name	size	qty.
	Turf seed drought tolerant dwarf Fescue blend	Hydroseed		58,663 sq. ft.

SHRUB LEGEND:

sym	botanical name	common name	size	qty
A	Agave attenuata	Agave	5gallon	80
E	Elymus condensatus 'Canyon Prince'	Canyon Prince Wild Rye	1gallon	133
B	Baccharis 'Pigeon Point'	Baccharis	1gallon	388
Z	Eriogonum fasciculatum filiosum	Buckwheat	1gallon	221
P	Muhlenbergia 'Pink Flamingos'	Hair Dawn Muhly	1gallon	311
M	Muhlenbergia rigens	Deer Grass	1gallon	402
R	Rhus Ovata	Sugar Bush	1gallon	319

Call 8-1-1
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PARK PROUD LA

THE CITY OF LOS ANGELES
 DEPARTMENT OF RECREATION AND PARKS
 SUPERINTENDENT: CATHE SANTO DOMINGO
 GENERAL MANAGER: MICHAEL SHULL
 PROJECT LANDSCAPE ARCHITECT:
 PROJECT ENGINEER:
 AS-BUILT DRAWN BY:

PROJECT NAME:
WEST LAKESIDE STREET PARK
 ADDRESS:
 15275 W. LAKESIDE STREET
 LOS ANGELES, CA 91342

REVISIONS:	DATE:

PLAN NAME:
PLANTING PLAN - OVERALL

DRAWN BY: APPROVED BY:
 SCALE: MWL ISSUE DATE: 1-22-2018
 W.O. NO. AS SHOWN FILE NO.
 DRAWING NO. **LS-9.001**
 SHEET 35 OF 43 SHEETS



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PARK PROUD LA

THE CITY OF LOS ANGELES
DEPARTMENT OF RECREATION AND PARKS
SUPERINTENDENT: CATHE SANTO DOMINGO
GENERAL MANAGER: MICHAEL SHULL
PROJECT LANDSCAPE ARCHITECT:
PROJECT ENGINEER:
AS SHEETS DRAWN BY: DATE:

TREE LEGEND:

sym	botanical name	common name	size
	Arbutus 'Marina'	Strawberry Guava.....	48" box Multi Trk
	Platanus mexicana	Mexican Sycamore.....	36" box Std Trk
	Populus 'Nevada'	Populus.....	24" box Std.Trk
	Quercus Lobata	Valley Oak.....	48" box
	Acacia baileyana 'Purpurea'	Purple Leaf Acacia.....	36"box Std. Trk

SHRUB LEGEND:

sym	botanical name	common name	size
(A)	Agave attenuata	Agave	5gallon
(E)	Elymus condensatus 'Canyon Prince'	Canyon Prince Wild Rye	1gallon
(B)	Baccharis 'Pigeon Point'	Baccharis	1gallon
(Z)	Eriogonum fasciculatum foliosum	Buckwheat	1gallon
(P)	Muhlenbergia 'Pink Flamingos'	Hair Dawn Muhly	1gallon
(M)	Muhlenbergia rigens	Deer Grass	1gallon
(R)	Rhus Ovata	Sugar Bush	1gallon

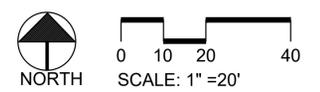
TURF LEGEND:

sym	botanical name	common name	size
	Turf seed drought tolerant dwarf Fescue blend	Hydroseed	



NOTE:
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LAWNS - 5 LBS/100 SQ. FT.

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email: hort@terraccottem.com.au
website: www.terraccottem.com.au



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PROJECT NAME:
WEST LAKESIDE STREET PARK
ADDRESS:
15275 W. LAKESIDE STREET
LOS ANGELES, CA 91342

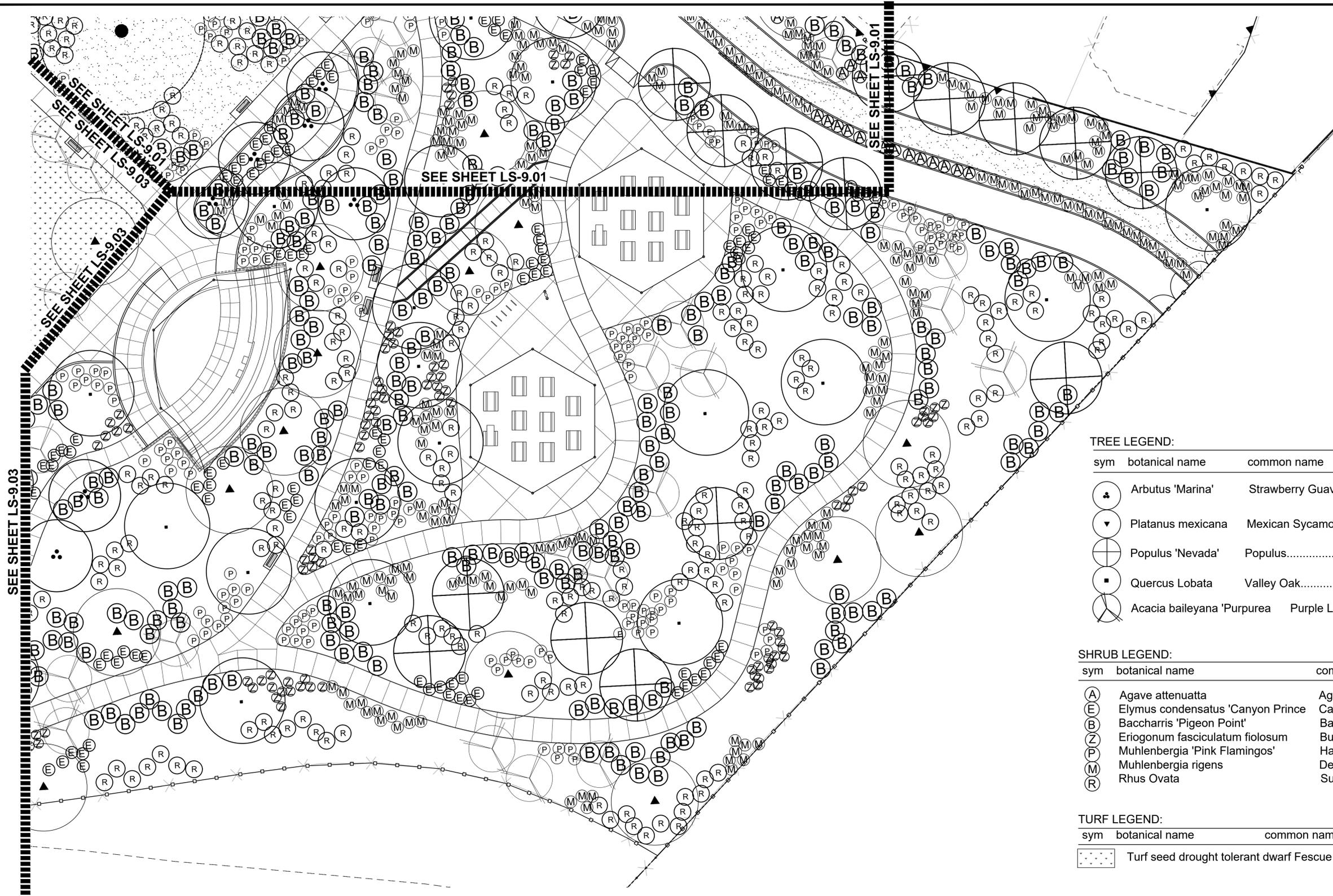
REVISIONS:	DATE:

PLANTING PLAN

DRAWN BY: MWL
APPROVED BY:
SCALE: AS SHOWN
ISSUE DATE: 1-22-2018
W.O. NO. FILE NO.

DRAWING NO. **LS-9.01**
SHEET 36 OF 43 SHEETS

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



TREE LEGEND:

sym	botanical name	common name	size
▲	Arbutus 'Marina'	Strawberry Guava.....	48" box Multi Trk
▼	Platanus mexicana	Mexican Sycamore.....	36" box Std Trk
○	Populus 'Nevada'	Populus.....	24" box Std.Trk
■	Quercus Lobata	Valley Oak.....	48" box
⊗	Acacia baileyana 'Purpurea'	Purple Leaf Acacia.....	36"box Std. Trk

SHRUB LEGEND:

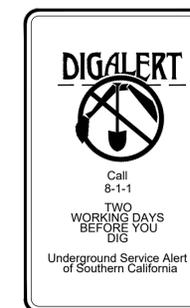
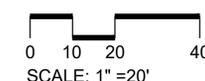
sym	botanical name	common name	size
A	Agave attenuata	Agave	5gallon
E	Elymus condensatus 'Canyon Prince'	Canyon Prince Wild Rye	1gallon
B	Baccharis 'Pigeon Point'	Baccharis	1gallon
Z	Eriogonum fasciculatum foliosum	Buckwheat	1gallon
P	Muhlenbergia 'Pink Flamingos'	Hair Dawn Muhly	1gallon
M	Muhlenbergia rigens	Deer Grass	1gallon
R	Rhus Ovata	Sugar Bush	1gallon

TURF LEGEND:

sym	botanical name	common name	size
⬢	Turf seed drought tolerant dwarf Fescue blend	Hydroseed	

NOTE:
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 LAWNS - 5 LBS/100 SQ. FT.

TERRACOTTEM CONTACT: NATHAN STRAUME
 email: hort@terraccottem.com.au
 website: www.terraccottem.com.au



PARK PROUD LA
 THE CITY OF LOS ANGELES
 DEPARTMENT OF RECREATION AND PARKS
 SUPERINTENDENT: CATHIE SANTO DOMINGO
 GENERAL MANAGER: MICHAEL SHULL
 PROJECT LANDSCAPE ARCHITECT:
 PROJECT ENGINEER:
 AS-BUILT DRAWN BY:
 U.E. NO. _____
 U.E. NO. _____
 DATE: _____

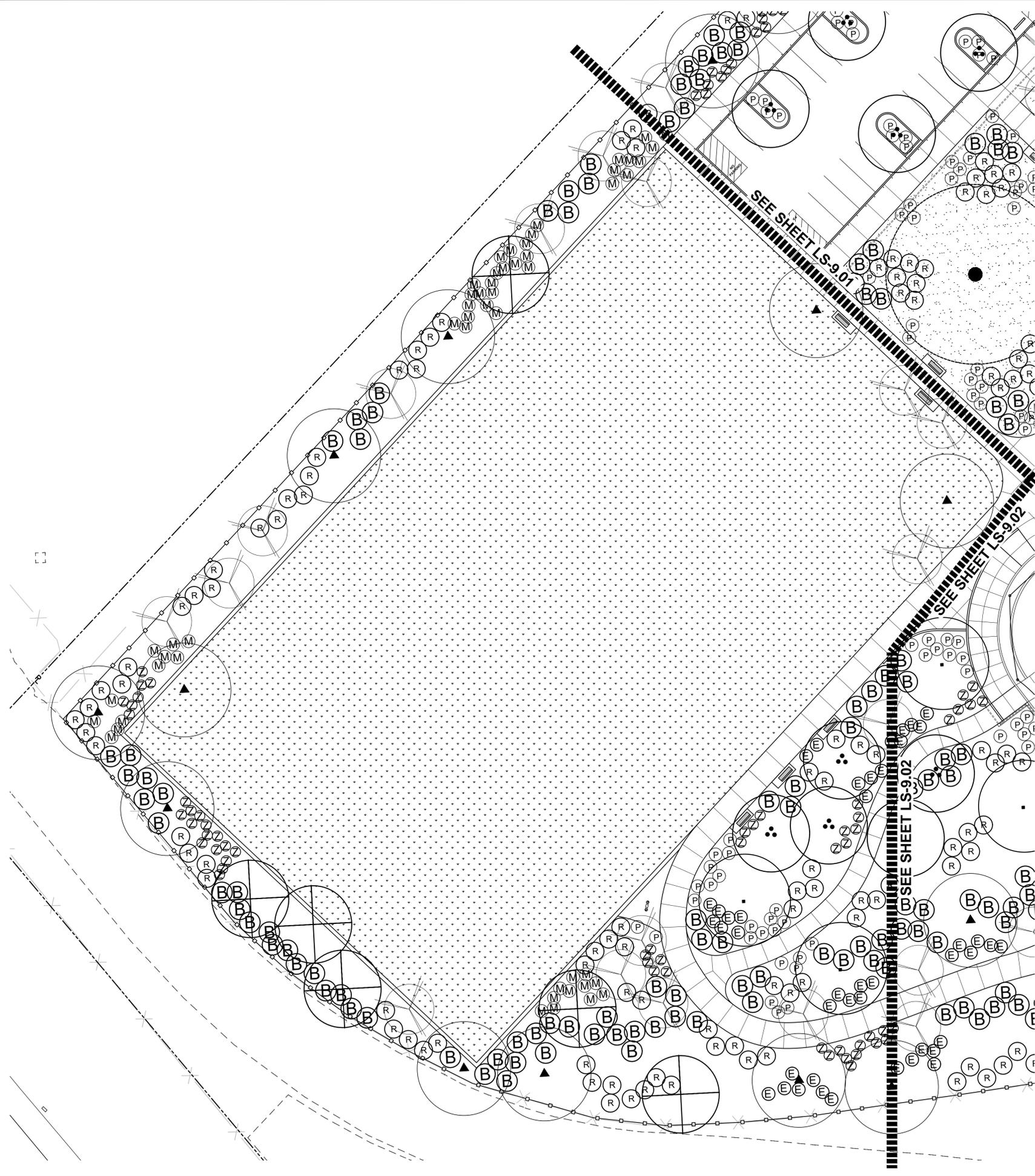


PROJECT NAME:
WEST LAKESIDE STREET PARK
 ADDRESS:
**15275 W. LAKESIDE STREET
 LOS ANGELES, CA 91342**

REVISIONS:	DATE:
△	
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△	
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PLAN NAME:
PLANTING PLAN
 DRAWN BY: MWL APPROVED BY:
 SCALE: AS SHOWN ISSUE DATE: 1-22-2018
 W.G. NO. FILE NO.
 DRAWING NO.
LS-9.02
 SHEET 37 OF 43 SHEETS

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



TREE LEGEND:

sym	botanical name	common name	size
▲	Arbutus 'Marina'	Strawberry Guava.....	.48" box Multi Trk
▼	Platanus mexicana	Mexican Sycamore.....	.36" box Std Trk
⊕	Populus 'Nevada'	Populus.....	.24" box Std.Trk
■	Quercus Lobata	Valley Oak.....	.48" box
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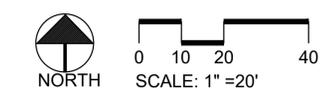
SHRUB LEGEND:

sym	botanical name	common name	size
(A)	Agave attenuata	Agave	5gallon
(E)	Elymus condensatus 'Canyon Prince'	Canyon Prince Wild Rye	1gallon
(B)	Baccharis 'Pigeon Point'	Baccaharis	1gallon
(Z)	Eriogonum fasciculatum filiosum	Buckwheat	1gallon
(M)	Muhlenbergia 'Pink Flamingos'	Hair Dawn Muhly	1gallon
(P)	Muhlenbergia rigens	Deer Grass	1gallon
(R)	Rhus Ovata	Sugar Bush	1gallon

TURF LEGEND:

sym	botanical name	common name	size
⬢	Turf seed drought tolerant dwarf Fescue blend	Hydroseed	

NOTE:
 ALL PLANT MATERIALS SHALL BE PLANTED WITH SOIL CONDITIONERS. THE SOIL CONDITIONER SHALL BE 'TERRACOTTEM ARBOR' FOR TREES AND SHRUBS AND 'TERRACOTTEM TURF' FOR GRASS. APPLICATION RATES FOR TERRACOTTEM SOIL CONDITIONERS ARE AS FOLLOW:
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 LAWNS - 5 LBS/100 SQ. FT.
 TERRACOTTEM CONTACT: NATHAN STRAUME
 email: hort@terracottem.com.au
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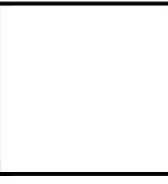
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PARK PROUD LA

THE CITY OF LOS ANGELES
 DEPARTMENT OF RECREATION AND PARKS
 SUPERINTENDENT: CATHE SANTO DOMINGO
 GENERAL MANAGER: MICHAEL SHULL
 PROJECT LANDSCAPE ARCHITECT: _____ U.C. NO. _____ DATE: _____
 PROJECT ENGINEER: _____ U.C. NO. _____
 AS-BUILT DRAWN BY: _____



PROJECT NAME:
**WEST LAKESIDE STREET
 PARK**
 ADDRESS:
**15275 W. LAKESIDE STREET
 LOS ANGELES, CA 91342**

REVISIONS:	DATE:

PLAN NAME:
**PLANTING
 PLAN**

DRAWN BY: MWL	APPROVED BY:
SCALE: AS SHOWN	ISSUE DATE: 1-22-2018
W.O. NO.	FILE NO.

DRAWING NO.
LS-9.03
 SHEET 38 OF 43 SHEETS

**DEPARTMENT OF RECREATION AND PARKS
CITY OF LOS ANGELES
WEST LAKESIDE STREET PARK**

ELECTRICAL SPECIFICATIONS

DIVISION 1.
GENERAL PROVISIONS FOR DEPARTMENT OF RECREATIONS AND PARKS AND THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTIONS. THE LOS ANGELES CITY ELECTRICAL CODE (LATEST EDITION) ARE MADE A PART OF THESE PLANS AND SPECIFICATIONS.

WHERE CONFLICTS OCCURS BETWEEN DIVISION 1 DEPARTMENT OF RECREATION AND PARKS AND THE SSPWC, THE DIVISION 1 DEPARTMENT OF RECREATION AND PARKS DEPARTMENT SHALL TAKE PRECEDENCE. CATALOG SPECIFICATIONS WHEN DESCRIBED BY MODEL NUMBER ARE HEREBY MADE A PART OF THESE SPECIFICATIONS. WHERE OPTIONS FOR MATERIALS AND OR METHODS APPEARS IN THE STANDARD SPECIFICATIONS, OR THE LOS ANGELES ELECTRICAL CODE, THE OPTION DEFINED HEREIN SHALL BE USED. ANY DISCREPANCIES SHALL BE RESOLVED WITH THE FINAL DECISION MADE BY THE GENERAL MANAGER OF THE DEPARTMENT OF RECREATION AND PARKS OR AUTHORIZED REPRESENTATIVE.

1. GENERAL SCOPE OF WORK:

WORK IN THIS CONTRACT: ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY FOR THE LIGHTING AND ELECTRICAL DISTRIBUTION SYSTEM. COMPLETE AND READY FOR USE, IN ACCORDANCE WITH THESE CONTRACT DRAWINGS AND THESE SPECIFICATIONS.

2. CLEANING, INSTALLATION AND REMOVAL OF RUBBISH:

BESIDES THE GENERAL CLEANING, THE CONTRACTOR SHALL BE RESPONSIBLE FOR SEEING THAT THE FOLLOWING SPECIAL CLEANING FOR ALL TRADES SHALL BE DONE AT THE COMPLETION OF THE WORK AND DURING INSTALLATION.

(A) CLEAN ALL ELECTRICAL EQUIPMENT AND DEVICES. REMOVE STAINS, DUST, DIRT, PLASTER, PAINT AND ETC.

(B) REMOVE ALL SPOTS, SOILS, PLASTERS AND PAINTS FROM ALL EXISTING WORK AND CLEAN TO ORIGINAL CONDITION.

(C) PROTECT AND CLEAN ALL FIXTURES AND EQUIPMENT.

3. CONSTRUCTION WATER, LIGHT AND POWER:

(A) THE DEPARTMENT WILL FURNISH AT NO COST TO CONTRACTOR WATER AND ELECTRICITY AS IT EXIST ON THE SITE. CONTRACTOR SHALL FURNISH AND MAINTAIN ALL TEMPORARY LINES, FIXTURES AND EQUIPMENT FOR WATER AND ELECTRICITY AND REMOVE SAME AT COMPLETION OF WORK AT HIS/HER OWN EXPENSE.

(B) THE DEPARTMENT WILL NOT BE HELD RESPONSIBLE FOR FAILURE OF EXISTING SOURCES TO SUPPLY CONTINUOUS WATER OR POWER, NOR WILL THE DEPT. BE HELD RESPONSIBLE FOR THE EXISTING SOURCES TO SUPPLY ADEQUATE DEMAND AS REQUIRED BY THE CONSTRUCTION OF THIS WORK.

4. MAIN SERVICE:

(A) REQUIRED:

1. UNDERGROUND SERVICE CONDUIT FOR LIGHT AND POWER FROM MAIN SWITCHBOARD TO PROPERTY LINE AS DIRECTED BY THE DEPARTMENT OF WATER AND POWER.

2. INSTALLATION OF CURRENT TRANSFORMER IN SWITCHBOARD. THE TRANSFORMER TO BE FURNISHED BY THE DEPARTMENT OF WATER AND POWER.

(B) NOT INCLUDED IN CONTRACT:

1. UNDERGROUND SERVICE CONDUITS FROM PROPERTY LINE TO UTILITY SOURCE TO BE INSTALLED BY THE DEPARTMENT OF WATER AND POWER AND TO BE PAID FOR BY THE CITY.

2. MAIN SERVICE UNDERGROUND CONDUCTORS FROM UTILITY SOURCE TO MAIN SWITCHBOARD.

3. CURRENT TRANSFORMERS FOR SWITCHBOARD.

4. SERVICE CONNECTIONS TO TRANSFORMERS AND METERS.

5. METERS.

6. EXCESS CABLE CHARGES TO BE PAID BY THE CITY.

5. MAIN SWITCHBOARD:

(A) TYPE:

NEMA 1 FLOOR STANDING ENCLOSURE, DEAD FRONT, DEAD REAR, WITH ALL BUSSING, WIRING AND CONNECTIONS ACCESSIBLE FROM THE FRONT, ARRANGED IN ACCORDANCE WITH WIRING DIAGRAMS AND APPROVED SHOP DRAWINGS AS MANUFACTURED BY SQUARE D, OR EQUIVALENT CHALLENGER MODEL OR EQUAL.

(B) CONSTRUCTION:

1. ALL BUSSING MATERIALS SHALL BE TIN PLATED COPPER PER NEMA STANDARDS.

2. VERTICAL SECTIONS SHALL HAVE FULL HEIGHT BUSSING AND WHERE SPACES FOR FUTURE USE DEVICES ARE SHOWN ON THE DRAWINGS, ALL THE NECESSARY MOUNTING HARDWARE AND PROVISIONS SHALL BE FURNISHED.

(C) SERVICE SECTION:

SHALL CONTAIN FIXED POSITION MAIN CIRCUIT BREAKER EQUIPPED WITH PROVISIONS FOR UTILITY COMPANY METERING IN STRICT ACCORDANCE WITH THE DEPARTMENT OF WATER AND POWER REQUIREMENTS. THE MAIN CIRCUIT BREAKER SHALL BE TRIP FREE, THERMAL-MAGNETIC, MOLDED CASE TYPE, BY SQUARE D TYPE LAL 42,000 AIC RMS SYMMETRICAL OR EQUIVALENT CHALLENGER MODEL OR EQUAL.

THERE SHALL BE MEANS TO LOCK EACH MAIN CIRCUIT BREAKER IN THE OPEN POSITION WITH A PADLOCK. THE DEPARTMENT OF WATER AND POWER WILL FURNISH THE LOCK AND OPEN THE MAIN BREAKER WHEN REQUIRED BY STATION MAINTENANCE OR REPAIR.

(D) DISTRIBUTION SECTION:

SHALL CONTAIN THERMAL-MAGNETIC MOLDED CASE CIRCUIT BREAKER OF THE REQUIRED VOLTAGE & AMPERAGE WITH A MINIMUM 25,000 RMS SYMMETRICAL SHORT CIRCUIT INTERRUPTING CAPACITY BY SQUARE D, TYPE LAL, OR EQUIVALENT CHALLENGER MODEL OR EQUAL, UNLESS NOTED OTHERWISE ON THE PLAN.

(E) CURRENT AND POTENTIAL TRANSFORMERS:

SHALL BE PROVIDED BY THE DEPARTMENT OF WATER AND POWER AND SHALL BE MOUNTED IN THE SWITCHBOARD BY THE CONTRACTOR SO AS TO BE ACCESSIBLE. PROVISIONS SHALL BE FURNISHED FOR EXTERNAL TESTING OF ALL LINE CURRENTS AND VOLTAGE COMPLETE WITH TEST BLOCKS AND PLUGS.

(F.) IDENTIFICATION:

ENGRAVE LAMINATED PLASTIC NAMEPLATES TO BE PROVIDED FOR EACH DEVICE ON THE SWITCHBOARD. NAMEPLATES TO BEAR THE DESIGNATION OF THE LOAD CONTROLLED.

(G.) TIGHTEN CONNECTORS AND TERMINALS, INCLUDING SCREWS AND BOLTS IN ACCORDANCE WITH EQUIPMENT MANUFACTURER'S PUBLISHED TORQUE TIGHTENING VALUES FOR EQUIPMENT CONNECTORS. WHERE MFRS. TORQUING REQUIREMENTS ARE NOT INDICATED, USE TIGHTENING TORQUES SPECIFIED IN UL STANDARD 486A.

(H.) MOUNTING INDOOR TYPE:

SECURELY BOLTED TO FLOOR AND WALL AND PLUMB AND SQUARE. PROVIDE 4" RAISED CONCRETE SLAB FOR MOUNTING SWITCHGEAR LOCATED ON THE GROUND FLOOR. DIMENSION OF RAISED CONCRETE SLAB TO BE THE SAME AS THE SWITCHGEAR.

(I.) MOUNTING OUTDOOR TYPE:

SHALL BE NEMA 3R, GAUGE 10 METAL ENCLOSURE UNLESS NOTED OTHERWISE ON THE PLAN.

(J.) SHOP DRAWINGS:

BEFORE ANY FABRICATION OF SWITCHGEAR IS BEGUN, SHOP DRAWINGS INDICATING THE MATERIALS AND DETAILS OF CONSTRUCTION AND EQUIPMENT AND UL LISTING SHALL BE APPROVED BY THE DEPARTMENT OF WATER AND POWER PRIOR TO THEIR SUBMITTAL TO THE DEPT. OF RECREATION AND PARKS.

(K.) GROUNDING:

PROVIDE AND INSTALL A DRIVEN GROUND COPPER ROD 5/8" IN DIAMETER BY 10 FT. LONG FOR SERVICE GROUNDING REQUIREMENTS LOCATED INSIDE THE ENCLOSURE. ALSO PROVIDE AND USE OTHER GROUNDING ELECTRODES AS INDICATED ON PLAN OR AS REQUIRED BY CODE. EACH ELECTRODE SHALL BE BONDED TOGETHER TO FORM THE GROUNDING ELECTRODE SYSTEM. THE BONDING JUMPS SHALL BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF THE CODE, ARTICLE 250. TIGHTEN CONNECTORS TO COMPLY WITH TIGHTENING TORQUES SPECIFIED IN UL STD. 486 TO ASSURE PERMANENT AND EFFECTIVE GROUND.

6. PANELBOARDS:

(A) PANELBOARDS SHALL BE CIRCUIT BREAKER TYPE WITH BOLT-ON TYPE, TRIP FREE CIRCUIT BREAKERS. PANELBOARDS SHALL BE FURNISHED WITH COPPER BUSSING AND MAIN LUGS OR MAIN BREAKER AND ALL BRANCH CIRCUIT BREAKER AS INDICATED ON THE SCHEDULES. EACH BRANCH CIRCUIT BREAKERS SHALL HAVE PERMANENT TYPE PLASTIC OR METAL NUMBERS TO IDENTIFY THE CIRCUIT PROTECTED. MIN. SIZE SHALL BE 20"W X 5 3/4"D, HEIGHT AS REQUIRED. PANELBOARD SHALL BE SQ. D, TYPE NQOB OR EQUIVALENT CHALLENGER MODEL OR EQUAL.

(B) IDENTIFICATION SHALL HAVE ENGRAVED LAMINATED PLASTIC NAMEPLATES. SCHEDULES SHALL BE TYPEWRITTEN AND SHALL DESIGNATE THE AREA OR EQUIPMENT SERVED BY EACH CIRCUIT MOUNTED IN A CARD HOLDER ON THE INSIDE OF THE DOOR AND COVERED WITH GLASS OR CLEAR PLASTIC.

(C) SHOP DRAWINGS ARE REQUIRED. THEY SHALL INDICATE ALL THE DETAILS OF CONSTRUCTION AND EQUIPMENT. ALL ITEMS SUBMITTED FOR INSTALLATION SHALL BEAR A UL LABEL AND LISTED FOR THE PURPOSE.

(D) CIRCUIT BREAKERS SHALL HAVE A MINIMUM OF 10,000 AMPS RMS SYMMETRICAL FOR 120/240 VOLTS AND 22,000 AMPS FOR 277/480 VOLTS SYSTEM UNLESS NOTED ON THE PLAN.

(E) MOUNTING SHALL BE FLUSH WITH SURROUNDING WALLS UNLESS SPECIFICALLY NOTED TO BE SURFACE MOUNTED ON THE PLAN. MAXIMUM HEIGHT OF THE HIGHEST CIRCUIT BREAKER OR CONTROL DEVICES SHALL NOT BE MORE THAN 6 FT. ABOVE THE SURROUNDING FINISH FLOOR.

(F) TIGHTEN CONNECTORS AND TERMINALS INCLUDING SCREWS AND BOLTS IN ACCORDANCE WITH EQUIPMENT MANUFACTURER'S PUBLISHED TORQUE TIGHTENING VALUES FOR EQUIPMENT CONNECTORS. WHERE MANUFACTURER'S TORQUING REQUIREMENTS ARE NOT INDICATED, TIGHTEN CONNECTORS AND TERMINALS TO COMPLY WITH TIGHTENING TORQUE SPECIFIED IN UL STANDARDS 486 A & B.

7. RAINPROOF ENCLOSURES FOR SWITCHBOARD AND/OR PANELBOARDS. SEE DETAIL DWG.

(A) RAINPROOF ENCLOSURE FOR OUTDOOR INSTALLATION SHALL BE FREE STANDING NEMA TYPE 3R GAUGE 10 CONSTRUCTION (EXCEPT GAUGE 12 STAINLESS STEEL FOR IRRIGATION CONTROLLER SERVICE) ENCLOSURE OF SUITABLE DIMENSION. ALL BOLT HEADS EXPOSED ON THE EXTERIOR OF ENCLOSURE SHALL BE ROUND HEAD GALVANIZED TYPE BY HOFFMAN ENGINEERING CO. (213) 862-2145 OR PICO METAL PRODUCTS INC. (310) 944-0626 OR EQUAL.

(B) DOORS SHALL BE CUSTOM EQUIPPED WITH STRONG PADLOCKABLE STEEL COVER TO PROTECT THE OPERATING HANDLES. PAD LOCKABLE COVERS SHALL ACCOMMODATE THE DEPARTMENT OF RECREATION AND PARKS LOCKS. PROVIDE TOP AND BOTTOM DOOR LOUVERS.

(C) MOUNTING: OUTDOOR TYPE SHALL BE SECURELY BOLTED TO A STEEL REINFORCED CEMENT CONCRETE PAD EXTENDING 12 INCHES BEYOND THE PANEL ENCLOSURE IN BOTH LENGTH AND WIDTH DIMENSIONS AND 36 INCHES IN FRONT OF PANEL ENCLOSURE. THE PAD SHALL EXTEND 6" ABOVE AND 6" BELOW FINISHED GRADE. REINFORCING STEEL SHALL BE #4 REBAR LAID LENGTHWISE AND CROSSWISE 6" O.C. WITH 3 INCH CLEAR COVER TO SUBGRADE, AND SECURELY TIED AT EACH POINT OF CONTACT.

(D) LIGHTS AND RECEPTACLES: PROVIDE AND INSTALL A SURFACE MOUNTED INCANDESCENT FIXTURE, WP WALL SWITCH AND A 20 AMP RATED GFI TYPE RECEPTACLE INSIDE THE ENCLOSURE FED FROM ONE 20A-1P CIRCUIT BREAKER WIRED WITH #212 THHN/THWN CU IN 3/4" CONDUIT.

8. CONTROLS:

(A) TYPES

1. CIRCUIT BREAKERS - SHALL BE THERMAL MAGNETIC. EACH BREAKER SHALL BE EQUIPPED WITH A DEVICE FOR INDIVIDUAL PADLOCKING.

2. TIME SWITCHES - SHALL BE PARAGON MODEL NO. EC72ST SUN TRACKER ELECTRONIC LIGHTING CONTROL. CONTROL SHALL HAVE AN ASTRO-DIAL, TWO CHANNEL FEATURE, SKIP-A-DAY, OFFSET TO SUNRISE AND/OR SUNSET AND MANUAL OVERRIDE INDEPENDENTLY PROGRAMMABLE FOR EACH CHANNEL. IT SHALL BE SURFACE MOUNTABLE OR SHALL BE IN NEMA 3R FOR OUTDOOR INSTALLATION (EC72ST-N3).

3. LIGHT SWITCH TIMER - SHALL BE PARAGON MODEL NO. ET1100 SERIES. IT SHALL BE SOLID STATE WITH ADJUSTABLE TIMER RANGE FROM ONE MINUTE TO 18 HOURS. THE CONTROL SHALL BE TAMPER-PROOF WITH OUT-OF-SIGHT PROGRAMMING DIAL. THE CONTROL SHALL BE RATED UP TO 1100 WATTS AND CAPABLE OF OPERATING BETWEEN 24 VAC AND 277 VAC.

4. LOCAL SWITCHES - SHALL BE SPECIFICATION GRADE, HUBBELL 1221-I SERIES OR EQUIVALENT LEVITON MODEL OR EQUAL.

5. LIGHTING CONTACTORS - AMPERE RATING, NUMBER OF POLES, LINE VOLTAGE, CONTROL VOLTAGE, MOMENTARY OR MAINTAINED CONTACT AS INDICATED ON DRAWINGS, OR AS REQUIRED: SQUARE D CLASS 8903, OR EQUIVALENT AUTOMATIC SWITCH CO. MODEL OR EQUAL.

6. PUSH BUTTON STATIONS - HEAVY DUTY CONTROL STATIONS, LOCATE IN RECREATION DIRECTORS OFFICE (UNLESS OTHERWISE INDICATED) FOR REMOTE CONTROL OF FIELD LIGHTING. SQUARE D CLASS 9001, TYPE B IN NEMA 4 ENCLOSURE FOR OUTSIDE INSTALLATION OR EQUIVALENT FURNAS MODEL OR EQUAL. LOCATE PUSH BUTTON AS SPECIFIED ON THE PLAN OR DETAIL.

(B) IDENTIFICATION - ALL CONTROL DEVICES SHALL BE IDENTIFIED BY ENGRAVED PLATES DESIGNATING THE EQUIPMENT CONTROLLED. MOTORS AND EQUIPMENT SHALL BEAR NEAT, LEGIBLE AND PERMANENT IDENTIFICATION CORRESPONDING WITH THAT ON THE CONTROL DEVICES USING ENGRAVED LAMINATED PLASTIC NAMEPLATES AFFIXED WITH A MINIMUM OF TWO ESCUTCHEON PINS OR SCREWS.

(C) LOCATIONS - FOR OUTDOOR INSTALLATION, TIME SWITCHES AND CONTACTORS SHALL BE LOCATED IN A SEPARATE PARTITIONED SPACE INSIDE THE RAINPROOF ENCLOSURE, OR AS INDICATED IN THE PLAN.

9. BOXES:

(A) TYPES: WEATHERPROOF CAST BOXES FOR OUTDOOR AND SURFACE WIRING AND WHERE INDICATED ON THE DRAWINGS BY SYMBOL "WP", CROUSE-HINDS FD OR RUSSELL-STOLL FD SERIES OUTLET BOXES OR EQUAL. CONCRETE PULL BOX WITH BOLT DOWN STEEL COVER IS PERMITTED FOR UNDERGROUND INSTALLATION. BROOKS PRODUCT MODEL SPB OR EQUAL, OR AS INDICATED ON THE PLAN.

(B) ACCESSORIES: WEATHERPROOF FOR CROUSE-HINDS FD SERIES OUTLET BOXES OR RUSSELL-STOLL FD SERIES OR EQUAL.

(C) UNDERGROUND PULL BOXES. AVOID INSTALLATION AT THE LOWEST SPOT OF THE SURROUNDING AREAS. PULL BOX SHOULD SEAT ON 2"x4" FRAMED REDWOOD AND SHALL HAVE AT LEAST 12" LAYER OF PEA GRAVEL BENEATH THE BOX.

10. RECEPTACLES:

(A) TYPES: ALL RECEPTACLES SHALL BE SPECIFICATION GRADE AND SHALL MEET NEMA WD-1-1974 TESTS.

(B) FLUSH WALL TYPE, HUBBELL 5262-I, 15 AMPERE, 125 VOLTS OR HUBBELL 8300-I 20 AMPERE, 125 VOLTS, OR EQUIVALENT LEVITON MODEL OR EQUAL.

(C) SHALL BE SCREW-TERMINAL TYPE. NO PUSH-IN TYPE CONNECTIONS ARE PERMITTED.

11. OUTLET PLATES:

(A) SHALL BE STAINLESS STEEL FOR ALL RECEPTACLE AND LIGHT SWITCH, SIGNAL AND COMMUNICATION OUTLETS.

(B) SHALL BE ENGRAVED PLATES FOR SPECIAL EQUIPMENT, MOTORS, VOLTAGE OTHER THAN 120 VOLT AND GANGED SWITCHES.

12. INSTALLATION OF POLES:

(A) TYPE SHALL BE ROUND TAPERED GALVANIZED STEEL UNLESS OTHERWISE INDICATED. POLE HEIGHT SHALL BE 30' UNLESS NOTED ON THE PLAN.

(B) ERECTION: IN ACCORDANCE WITH APPROVED SHOP DRAWINGS, PLUMB AND PROPERLY ALIGNED. BASE PLATES SHALL BE GROUTED USING AN APPROVED STANDARD COMMERCIAL NON-SHRINK GROUTING MORTAR WITH L.A. RESEARCH REPORT NUMBER. THE NON-SHRINK MORTAR SHALL BE BACKED ONE INCH FROM EDGES OF BASE PLATES, AND THE SPACE THEN FILLED WITH GROUT COMPOSED OF ONE PART LOW ALKALI PORTLAND CEMENT TO TWO PARTS WASHED SAND, BEVELED AND BROVELED SMOOTH. EXPOSED SURFACES OF MORTAR SHALL BE WATER CURED WITH WET BURLAP FOR SEVEN DAYS.

(C) GROUNDING: SECURELY GROUND ALL PARKING LOT LIGHTING POLES WITH APPROVED GROUNDING BUSHINGS AND GROUNDING CLAMPS.

(D) CONDUITS ENTERING AND/OR LEAVING POLE FOOTING SHALL BE RIGID PVC COATED STEEL WITH PLASTIC BUSHING. MAKE TRANSITION FROM PVC TO METALLIC AT A MINIMUM DISTANCE OF 3'-0" FROM FOOTINGS.

(E) TACK WELDING OF NUTS TO WASHER AND WASHER TO BASE PLATE IS REQUIRED.

13. CONDUIT:

(A) REQUIRED: ALL WIRING SHALL BE IN RIGID OR PVC COATED STEEL CONDUIT EXCEPT AS FOLLOWS:

1. PVC MAYBE USED UNDERGROUND FROM PVC COATED STEEL CONDUIT STUBS LOCATED 3 FEET OUTSIDE FOOTING LINES.

2. EMT MAYBE USED ABOVE GROUND INSIDE BUILDINGS WHERE NOT ENCASED IN MASONRY OR CONCRETE AND NOT SUBJECT TO PHYSICAL DAMAGE.

(B) TYPES:

1. RIGID STEEL CONDUIT: IN ACCORDANCE WITH USA STD C801 AND ASTM B-6.

2. ELECTRICAL METALLIC TUBING: IN ACCORDANCE WITH USA STD C80-3 & ASTM B-6.

3. PVC CONDUIT: SHALL CONFORM TO NEMA STANDARD TC-6-1967, WC-1094 AND UL STANDARD 651, 1974 HEAVY WALL SCHEDULE 40 BURIED NOT LESS THAN 24 INCHES BELOW GRADE.

4. PVC EXTERNALLY COATED RIGID STEEL CONDUIT, RIGID STEEL ZINC COATED WITH ADDITIONAL COATING OF PVC CONFORMING TO ANSI C-80 & NEMA RN1.

(C) FITTINGS AND ACCESSORIES:

1. FOR RIGID STEEL CONDUIT: APPROVED TYPES; ERICSON COUPLING OR THREADLESS CONNECTORS FOR JOINING RUNS. GROUNDING BUSHING SHALL BE THOMAS & BETTS OR APPLETON MALLEABLE IRON INSULATED GROUNDING BUSHINGS, UL FILE E14814A. FACTORY ELLS SHALL NOT BE USED UNDERGROUND.

2. FOR ELECTRICAL METALLIC TUBING: COMPRESSION GLAND OR STEEL SET SCREW TYPE COUPLINGS AND CONNECTORS WITH INSULATED THROAT.

(D) SIZES: MINIMUM 3/4" CONDUIT UNLESS NOTED ON THE PLAN.

(E.) CONCRETE COVER:

U.D.N. UNDERGROUND CONDUIT RUNS IN RECREATION AND PARKS PROPERTY INSTALLED WITH SCHEDULE 40 PVC SHALL HAVE A MINIMUM 3" TOP COVER OF CONCRETE OVER ITS ENTIRE LENGTH (EXCEPT UNDER CONCRETE SIDEWALKS), AND SHALL HAVE AN EQUIPMENT GROUNDING CONDUCTOR SIZED ACCORDING TO THE PREVAILING CODE BUT NOT LESS THAN SHOWN ON THE PLAN. CONCRETE COVER SHALL BE MINIMUM OF 100-E-100 SLURRY MIX OR AS REQUIRED BY DWP.

14. CONDUIT INSTALLATION:

(A) ALL CONDUITS SHALL BE CONCEALED EXCEPT WHERE OTHERWISE INDICATED ON THE DRAWINGS.

(B) PVC COATED STEEL CONDUIT WHICH WILL BE BURIED IN THE GROUND SHALL HAVE WATER TIGHT JOINTS. JOINTS SHALL BE ASSEMBLED WITH LEAD PLATE (ANTI-SEIZE METALLIC LEAD BASE) MIL-A-907 AS MANUFACTURED BY ARMITE LABORATORIES.

(C) INSTALL EXPANSION FITTINGS IN ALL RACEWAY WHENEVER EXPANSION JOINTS ARE CROSSED. FITTINGS SHALL BE EQUAL TO "OZ" TYPE "XZ" OR "TX".

(D) NO HORIZONTAL CONDUIT SHALL BE INSTALLED IN CONCRETE SLABS-ON-GRADE. SLEEVES FOR CONDUIT PENETRATING FLOORS SHALL TERMINATE 3 INCH ABOVE THE FLOOR. CONDUITS SHALL BE PROTECTED FROM CORROSION BY ONE OF THE FOLLOWING METHODS. (EXTEND 3" ABOVE AND 3" BELOW TOP OF CONCRETE.)

1. PVC EXTERNALLY COATED STEEL CONDUIT BY ROBRDY INDUSTRIES.

2. SPIRAL WRAP WITH 40 MIL HALF LAP PLASTIC TAPE.

3. PVC SLEEVE.

(E) TOPS OF UNDERGROUND CONDUIT RUNS OUTSIDE OF BUILDING OR UNDER CONCRETE SLABS SHALL NOT BE LESS THAN 24" BELOW FINISHED GRADE, NOR LESS THAN THAT REQUIRED BY THE DEPARTMENT OF WATER AND POWER. UNDERGROUND CONDUIT SHALL NOT PASS OVER TANKS OR OTHER UNDERGROUND EQUIPMENT OR THROUGH FOOTINGS EXCEPT AS DETAILED ON THE STRUCTURAL DRAWINGS.

(F) ALL CONDUIT BENDS INSTALLED UNDERGROUND SHALL BE THE LONG RADIUS TYPE WITH RADII NOT LESS THAN 10 TIMES THE INTERNAL DIAMETER OF THE CONDUIT AND WITH NOT MORE THAN TWO 90° BENDS AND ONE 45° SWEEP IN ANY RUN. EXCEPTION: FOR POWER AND LIGHT CONDUIT ABOVE GROUND, FACTORY ELLS ARE PERMITTED.

(G) EACH RUN SHALL BE TESTED IMMEDIATELY AFTER INSTALLATION TO ASSURE FREEDOM FROM OBSTRUCTION AND EACH END PLUGGED AFTER THE TESTING IS COMPLETED. A GALVANIZED IRON PULL WIRE NO. 12 AWG OR 1 7/8-INCH NYLON POLYPROPYLENE CORD SHALL BE INSTALLED IMMEDIATELY AFTER CONDUIT INSTALLATION IN EACH CONDUIT IN WHICH THE CONDUCTORS WILL NOT BE IMMEDIATELY INSTALLED.

(H) CONDUITS "JACK-THRU" AND/OR BORED THRU UNDERGROUND SHALL BE MINIMUM 1" RIGID STEEL CONDUIT.

1. CONDUITS IN UNDERGROUND PULL BOXES SHALL BE SEALED WITH "LHD"-1# OR 5# DUCT SEAL AS MANUFACTURED BY DOTTIE CO. OR APPROVED EQUAL.

15. CONDUCTORS:

(A) TYPE THHN/THWN, 600 VOLTS INSULATION PER UL 83 FOR ALL GENERAL WIRING SUBJECT TO TEMPERATURES AT 75°C MINIMUM, WET OR DRY LOCATIONS.

(B) TYPES:

1. COPPER WIRE FOR ALL CONDUCTORS.

2. SOLID WIRE FOR NO. 10 AWG AND SMALLER FOR GENERAL WIRING.

3. STRANDED FOR WIRES NO. 8 AWG AND LARGER OR FOR FLEXIBILITY WHERE INDICATED ON THE DRAWINGS AS FLEXIBLE CONDUIT CONNECTION.

4. NO CONDUCTORS SMALLER THAN NO. 12 AWG EXCEPT FOR CONTROL WIRES WHICH SHALL BE NO. 14 AWG OR AS INDICATED ON THE PLAN.

5. CONDUCTORS FROM BASE OF NEW OR EXISTING POLES UP TO LUMINAIRES SHALL BE NO. 10 AWG MINIMUM UNLESS OTHERWISE NOTED ON THE PLAN. PROVIDE APPROXIMATELY 18" SLACK IN HAND HOLE AND PULL BOXES.

6. FOR IRRIGATION CONTROL WIRES, REFER TO IRRIGATION SPECIFICATIONS.

(C) SPLICES:

1. BRANCH AND FEEDER CONDUCTOR JOINTS SHALL BE LOCATED ONLY IN OUTLET BOXES, FIXTURES OR PULL BOXES. CONDUCTOR JOINTS SHALL NOT BE MADE IN CONDUIT FITTINGS.

2. ALL SPLICES IN UNDERGROUND PULL BOXES SHALL BE SCOTCH BAGGED AND WATER TIGHT.

(D) COLOR CODE:

1. FOR POLYPHASE CIRCUITS, IDENTIFY EACH PHASE THROUGHOUT THE CIRCUIT WITH DESIGNATION PHASE A (BLACK), PHASE B (RED) AND PHASE C (BLUE).

2. FOR CONDUCTOR SMALLER THAN NO. 6 AWG COLOR CODING SHALL BE ACCOMPLISHED BY INHERENT INSULATION COLOR. TAGGING PAINT OR OTHER MARKINGS SHALL NOT BE USED FOR COLOR IDENTIFICATION.

(E.) INSPECTION:

CONTRACTOR SHALL NOTIFY THE GENERAL MANAGER OR AUTHORIZED REPRESENTATIVE 48 HOURS PRIOR TO START OF PULLING WIRE THROUGH ANY OF THE UNDERGROUND CONDUIT RUNS. THE CONTRACTOR SHALL START PULLING WIRE ONLY AFTER THE AUTHORIZED REPRESENTATIVE INSPECTS AND FIND THAT THE WIRE CONTAINS NO SPLICES, THE NEUTRAL WIRE IS WHITE AND THE EQUIPMENT GROUND WIRE IS GREEN.



THE CITY OF LOS ANGELES DEPARTMENT OF RECREATION AND PARKS		ASSISTANT GENERAL MANAGER: RAMON BARAJAS	
GENERAL MANAGER: MIKE SHULL		ULC NO. _____	DATE: _____
PROJECT LANDSCAPE ARCHITECT: _____		ULC NO. _____	E 18742
PROJECT ENGINEER: David Cho			
AS BUILTS DRAWN BY: _____			



PROJECT NAME:	WEST LAKESIDE STREET PARK
ADDRESS:	15275 W. LAKESIDE STREET LOS ANGELES, CA 91342

REVISIONS:	DATE:
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PLAN NAME:	
ELECTRICAL SPECS & NOTES	
DRAWN BY: DO	APPROVED BY:
SCALE:	ISSUE DATE: 12/12/2015
W.O. NO.	FILE NO.
DRAWING NO. E1.0	
SHEET 1 of 5 SHEETS	

**DEPARTMENT OF RECREATION AND PARKS
CITY OF LOS ANGELES
WEST LAKESIDE STREET PARK**

ELECTRICAL SPECIFICATIONS (CONT.)

ELECTRICAL GENERAL NOTES

16. TAGGING:

REQUIRED: ON BOTH HOT AND NEUTRAL WIRES OF ALL CIRCUIT IN SWITCHBOARD AND PANELBOARDS, AT PULL, JUNCTION AND OUTLET BOXES AT EACH DEVICE OR LIGHTING FIXTURE. TAGGING SHALL PROVIDE POSITIVE AND PERMANENT IDENTIFICATION AND SHALL BE SCOTCH NUMERAL TAPE BY THE MINNESOTA MINING AND MANUFACTURING CO.

17. EQUIPMENT AND ELECTRICAL CONNECTIONS:

(A.) SEE DIVISION 1 SECTION 38 FOR MATERIAL TESTING.

(B.) PROVIDE ALL INSTRUMENTS, EQUIPMENT AND LABOR REQUIRED FOR THE SPECIFIED TESTS. CONDUCT ALL TESTS IN THE PRESENCE OF THE GEN. MANAGER OR AUTHORIZED REPRESENTATIVE. CONDUCT THE TEST AT SUCH TIME AS THE GEN. MANAGER MAY DIRECT OR AS SPECIFIED. TESTS FAILING TO CONFORM TO THE REQUIREMENTS OF THE DRAWING AND SPECIFICATIONS, AND ANY PIECE OF EQUIPMENT THAT FAILS THE TEST DESCRIBED HEREIN WILL BE REJECTED AND SUITABLE EQUIPMENT SHALL BE PROVIDED AND INSTALLED. TABULATE AND FORWARD TO THE PROJECT MANAGER IN TRIPLICATE ALL THE PERTINENT TEST DATA. INCLUDE THE DATE OF THE TEST, IDENTIFICATION OF ALL ITEMS TESTED, READINGS FOR EACH TEST, COMMENTS WHERE REQUIRED AND THE SIGNATURES OF THE INDIVIDUAL CONDUCTING THE TEST AND OF THE GEN. MANAGER'S REPRESENTATIVE OBSERVING THE TEST. FORWARD ALL THE TEST DATA TO THE PROJECT MANAGER WITHIN 10 DAYS OF THE TEST PERFORMANCE BUT IN NO CASE LATER THAN 5 DAYS BEFORE THE SCHEDULED FINAL INSPECTION.

(C.) THE FOLLOWING TESTS SHALL BE PERFORMED IN THE PRESENCE OF THE DEPT. INSPECTOR OR REPRESENTATIVE. TABULATE TEST RESULTS FOR THE DEPT. OF RECREATION AND PARKS RECORDS.

1. CONDUCTORS 600-VOLT CLASS: AFTER WIRING IS COMPLETED AND CONNECTED FOR OPERATION, BUT PRIOR TO PLACING SYSTEMS IN SERVICE AND BEFORE ANY BRANCH CIRCUIT BREAKERS ARE CLOSED, PERFORM INSULATION RESISTANCE TESTS IN ALL CIRCUITS. MEASURE THE INSULATION RESISTANCE BETWEEN EACH CONDUCTORS AND GROUND. TAKE READINGS AFTER THE VOLTAGE HAS BEEN APPLIED FOR A MINIMUM OF ONE MINUTE. THE MINIMUM INSULATION RESISTANCE BASED ON THE ALLOWABLE AMPACITY OF THE CONDUCTOR AS FIXED BY NFPA 70 SHALL BE AS FOLLOWS:

AMPERES	OHMS
25 THROUGH 50	250,000
51 THROUGH 100	100,000
101 THROUGH 200	50,000
201 THROUGH 400	25,000

2. HIGH VOLTAGE CONDUCTORS (ABOVE 600 VOLTS): AFTER INSTALLATION AND BEFORE SPLICING AND TERMINATING, PERFORM A FIELD ACCEPTANCE TEST ON CABLES PRIOR TO TESTING. THE CABLES SHALL NOT BE CONNECTED TO ANY EQUIPMENT. THE TEST PROCEDURE SHALL BE IN ACCORDANCE WITH AEC AND NEMA. FIELD ACCEPTANCE TEST SHALL BE 15 KV FOR DC FOR 15 MINUTES. IF CABLE FAILS TO PASS INITIAL TEST, PERFORM SUBSEQUENT ACCEPTANCE TESTS UNTIL THE WORK IS IN COMPLIANCE WITH THE CONTRACT REQUIREMENTS.

3. GROUND RODS: GROUND RESISTANCE TEST SHALL BE PERFORMED IN NORMALLY DRY WEATHER NOT LESS THAN 48 HOURS AFTER RAINFALL. GROUND RESISTANCE SHALL BE MEASURED FOR EACH PIECE OF EQUIPMENT TO THE GROUND ELECTRODE. USE A PORTABLE GROUND TESTING MEGGER TO TEST EACH GROUND OR GROUP OF GROUNDS. THE EQUIPMENT SHALL BE EQUIPPED WITH A METER READING DIRECTLY IN OHMS OR FRACTIONS THEREOF TO INDICATE THE GROUND VALUE OF THE GROUND ELECTRODE UNDER TEST. PROVIDE ONE COPY OF THE GROUND MEGGER'S DIRECTIONS, INDICATING THE METHOD TO BE USED.

18. LIGHTING FIXTURES:

(A.) TYPES:

1. AS INDICATED HEREINAFTER AND IN THE LIGHTING FIXTURE LIST, ALL FIXTURES MUST BE UL LISTED AND SUPPORTING MEMBERS SUCH AS RODS AND PIPES MUST BE APPROVED BY THE CITY OF LOS ANGELES ELECTRICAL TESTING LABORATORY.

2. ALL FIXTURES USED AS RACEWAYS SHALL CONFORM TO THE CODE REQUIREMENTS FOR MAXIMUM NUMBER OF CONDUCTORS PERMITTED, BOX TEMPERATURES SHALL NOT EXCEED 75°C ADJACENT TO THHN/THWN WIRE.

3. ALL FIXTURES SHALL BE UL LISTED FOR THE PURPOSE, WET LOCATION FOR OUTDOOR INSTALLATION, AND DAMP LOCATION FOR SHOWERS AND CANOPIES.

(B.) FITTINGS AND ACCESSORIES: AS NECESSARY FOR PROPER INSTALLATION AND OPERATION.

(C.) DEVIATION SHALL BE SUBMITTED TO THE DEPARTMENT FOR APPROVAL PRIOR TO PURCHASE AND INSTALLATION.

(D.) SPORTS LIGHTING FIXTURES: SUBMIT AN AIMING DIAGRAM FROM FIXTURE MANUFACTURER TO THE DEPARTMENT FOR APPROVAL PRIOR TO INSTALLATION. CONTRACTOR SHALL ENSURE THAT FIXTURES ARE INSTALLED IN ACCORDANCE TO APPROVED AIMING DIAGRAM.

19. RECORD DRAWINGS:

(A.) IMMEDIATELY AFTER WORK IS INSTALLED, CAREFULLY DRAW ON PRINTS IN RED INK ALL WORK WHICH IS INSTALLED AT VARIANCE WITH THE WORK AS INDICATED ON THE DRAWINGS. INDICATE BY MEASURED DIMENSION TO BUILDING CORNERS OR OTHER PERMANENT MONUMENTS THE EXACT LOCATION OF ALL CHANGES.

(B.) ACCURATE LOCATIONS OF ALL POLES, CONDUIT RUNS, WIRING, NAMES AND MODEL NUMBERS OF ACCEPTED SUBSTITUTE EQUIPMENT, ELECTRICAL OUTLETS AND OTHER EQUIPMENT AS INSTALLED SHALL BE PROVIDED IN STRICT ACCORDANCE WITH THESE SPECIFICATIONS.

20. OPERATING MANUALS AND INSTRUCTIONS:

(A.) THE CONTRACTOR SHALL FURNISH TO THE CITY FOUR BOUND COPIES OF OPERATING AND MAINTENANCE MANUAL FOR ALL ELECTRICAL EQUIPMENT.

(B.) THE CONTRACTOR SHALL EXPLAIN IN DETAIL ALL MANUALS FOR THE OPERATION AND MAINTENANCE OF ALL EQUIPMENT TO THE RECREATION AND PARKS MAINTENANCE PERSONNEL BEFORE COMPLETION AND ACCEPTANCE OF THE PROJECT.

20. RECORD DRAWINGS:

(A.) IMMEDIATELY AFTER WORK IS INSTALLED, CAREFULLY DRAW ON PRINTS IN RED INK ALL WORK WHICH IS INSTALLED AT VARIANCE WITH THE WORK AS INDICATED ON THE DRAWINGS. INDICATE BY MEASURED DIMENSION TO BUILDING CORNERS OR OTHER PERMANENT MONUMENTS THE EXACT LOCATION OF ALL CHANGES.

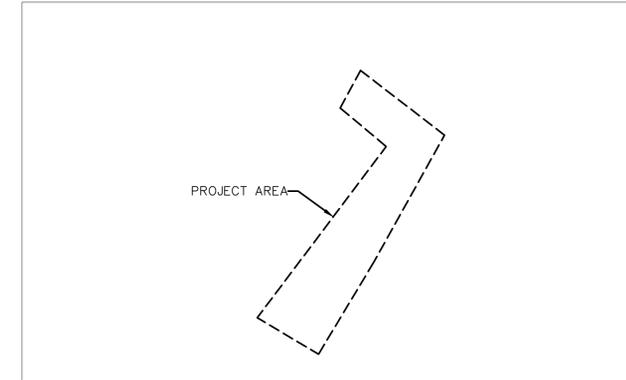
(B.) ACCURATE LOCATIONS OF ALL POLES, CONDUIT RUNS, WIRING, NAMES AND MODEL NUMBERS OF ACCEPTED SUBSTITUTE EQUIPMENT, ELECTRICAL OUTLETS AND OTHER EQUIPMENT AS INSTALLED SHALL BE PROVIDED IN STRICT ACCORDANCE WITH THESE SPECIFICATIONS.

21. OPERATING MANUALS AND INSTRUCTIONS:

(A.) THE CONTRACTOR SHALL FURNISH TO THE CITY FOUR BOUND COPIES OF OPERATING AND MAINTENANCE MANUAL FOR ALL ELECTRICAL EQUIPMENT.

(B.) THE CONTRACTOR SHALL EXPLAIN IN DETAIL ALL MANUALS FOR THE OPERATION AND MAINTENANCE OF ALL EQUIPMENT TO THE RECREATION AND PARKS MAINTENANCE PERSONNEL BEFORE COMPLETION AND ACCEPTANCE OF THE PROJECT.

1. THE CONTRACTOR SHALL VISIT THE JOB SITE PRIOR TO SUBMISSION OF BID TO BECOME FAMILIAR WITH THE EXISTING CONDITIONS AND EXTENT OF THEIR WORK. SUBMISSION OF A PROPOSAL OR BID ACKNOWLEDGES FULL RESPONSIBILITY FOR FURNISHING A COMPLETE AND PROPERLY FUNCTIONING SYSTEM.
2. IT IS THE INTENT OF THESE PLANS AND SPECIFICATIONS THAT A COMPLETE AND WORKABLE ELECTRICAL INSTALLATION BE PROVIDED FOR ALL EQUIPMENT DESCRIBED. ANY INCONSISTENCY SHALL BE BROUGHT TO THE PROJECT MANAGER'S ATTENTION FOR CLARIFICATION. CONTRACTOR SHALL PROVIDE ALL MATERIALS AND LABOR, COORDINATE ALL WORK WITH OTHER TRADES AND COMPLY WITH ALL APPLICABLE CODES.
3. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL NECESSARY PERMITS PRIOR TO JOB START AND OBTAIN FINAL INSPECTION APPROVAL FROM THE DEPARTMENT OF BUILDING AND SAFETY PRIOR TO FINAL ACCEPTANCE OF THE PROJECT.
4. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF ALL ELECTRICAL EQUIPMENT AND MATERIALS TO THE DEPARTMENT FOR APPROVAL PRIOR TO ORDERING AND SHALL BE RESPONSIBLE FOR ANY DELAYS INCURRED DUE TO REJECTED ITEMS.
5. ANY DAMAGES DONE IN THE COURSE OF CONSTRUCTION SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE SATISFACTORY TO THE PROJECT MANAGER.
6. CONDUIT RUNS ARE SHOWN DIAGRAMMATICALLY AND MAYBE VARIED IN THE FIELD. MINIMUM CONDUIT SIZE SHALL BE 3/4-INCH UNLESS NOTED ON THE PLAN. EXPOSED CONDUIT SHALL BE PAINTED TO MATCH THE ADJACENT FINISH.
7. CONTRACTOR SHALL FURNISH TO THE DEPARTMENT A VANDAL PROOF SCREW DRIVER FOR EACH TYPE OF VANDAL PROOF SCREWS USED IN THE PROJECT.
8. PVC INSTALLED UNDERGROUND SHALL BE 24-INCHES DEEP AND COVERED WITH AT LEAST 3-INCH 100-E-100 CONCRETE MIX.



VICINITY MAP
SCALE: NONE



**THE CITY OF LOS ANGELES
DEPARTMENT OF RECREATION AND PARKS**

ASSISTANT GENERAL MANAGER: RAMON BARAJAS

GENERAL MANAGER: MIKE SHULL

PROJECT LANDSCAPE ARCHITECT: _____ I.C. NO. _____ E 18742

PROJECT ENGINEER: David Ooi _____ I.C. NO. _____ DATE: _____

AS BUILT DRAWING BY: _____



PROJECT NAME:
**WEST LAKESIDE STREET
PARK**

ADDRESS:
**15275 W. LAKESIDE STREET
LOS ANGELES, CA 91342**

REVISIONS:	DATE:
△	
△	
△	
△	
△	

PLAN NAME:
**ELECTRICAL SPECS
& NOTES**

DRAWN BY: DO	APPROVED BY:
SCALE: 12/12/2015	ISSUE DATE:
W.O. NO.	FILE NO.

DRAWING NO.
E2.0

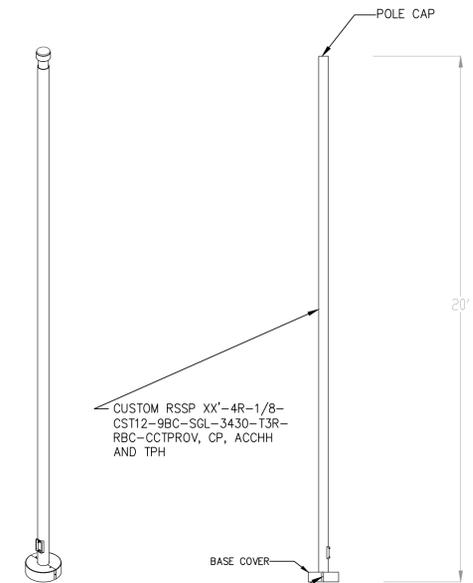
SHEET 2 OF 5 SHEETS



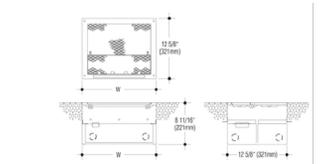
FIXTURE SCHEDULE									
SYMBOL	VOLTS	WATTS	CURRENT(mA)	LAMP	MOUNTING	DIST. TYPE	DESCRIPTION	MANUFACTURER	CAT. #
A 149	120-277	149	700	LED	POLE	II, FULL CUTOFF NONE TILTING	LUMINAIRES SHALL BE CONTROLLED BY PHOTOCELL AND MOTION SENSOR FOR 50% LIGHT LEVEL ON ENERGY SAVING MODE AND 100% LIGHT LEVEL WHEN AREA IS OCCUPIED - DUSK TO DAWN.	NATIONAL LIGHTING SOLUTIONS OR APPROVED EQUAL	VUE-2-T2-64L-7-55K-UNV
B 55	120-277	55	530	LED	POLE	V, FULL CUTOFF NONE TILTING	LUMINAIRES SHALL BE CONTROLLED BY PHOTOCELL AND MOTION SENSOR FOR 50% LIGHT LEVEL ON ENERGY SAVING MODE AND 100% LIGHT LEVEL WHEN AREA IS OCCUPIED - DUSK TO DAWN.	NATIONAL LIGHTING SOLUTIONS OR APPROVED EQUAL	LEG-1-5-T2-32L-5-55K-UNV

- PLAN NOTES:**
- INSTALL POLE PER DETAIL 1.
 - INSTALL FOUNDATION PER DETAIL 2.
 - TRENCH PER DETAIL 3.
 - PROVIDE NEW 2-4"(EB) FROM JOIN POINT TO NEW PANEL. SEE SINGLE LINE DIAGRAM PER E5.0
 - NEW DWP 2-4"(EB) BY DWP.
 - STUB AND CAP.
 - INSTALL POLE PER DETAIL 4.
 - COORDINATE WITH DWP AT JOIN POINT.
 - INSTALL ALL W.P. PLUGGING BOX PER DETAIL 5.
 - INSTALL ALL W.P. PLUGGING BOX PER DETAIL 6
 - PROVIDE 2" AND 3/4" CONDUIT ONLY.
 - TERMINATE CONDUITS AT THE PULL BOX.

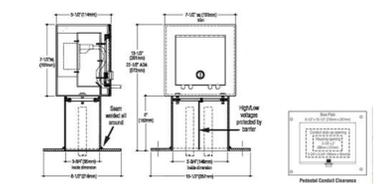
- SYMBOLS:**
- NEW 1" CONDUIT, SCHEDULE 40 PVC, (EXCEPT AS OTHERWISE SPECIFIED HEREON).
 - "# INDICATES TOTAL FIXTURE WATTAGE.
 - NEW ELECTROLIER.
 - NEW ELECTROLIER.
 - NEW PANEL.



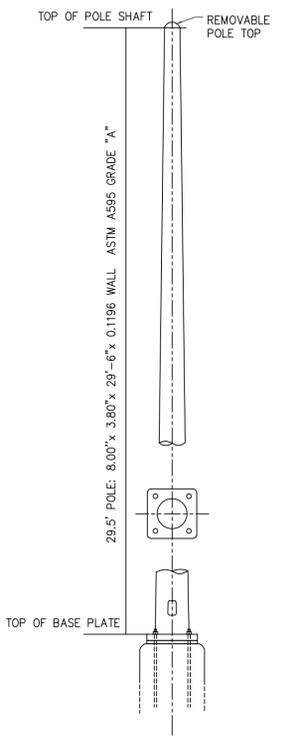
DETAIL 1: POLE
SCALE: N.T.S.



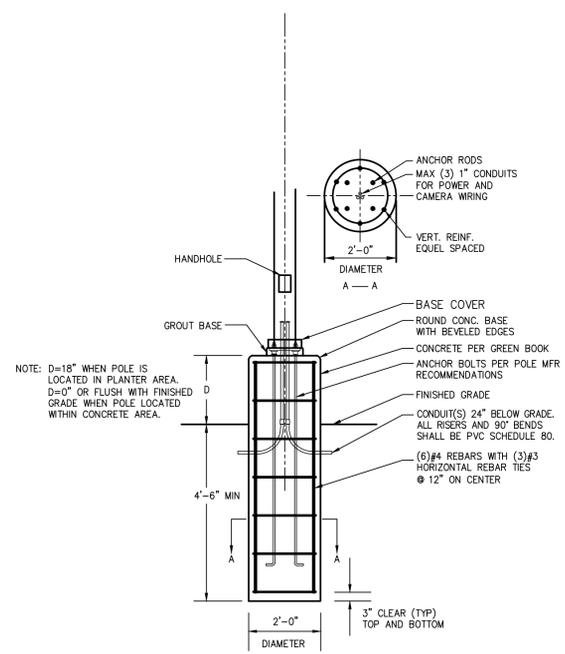
DETAIL 5: IN GROUND PLUGGING BOX
SCALE: N.T.S.
COLE LIGHTING: CAT#TL354-9. PLUGGING BOX SHALL BE LOCKABLE, NEMA RATED FOR OUTDOOR APPLICATION, FACTORY EQUIPPED WITH FOUR GFCI DUPLEX OUTLETS AND DRAINAGE.



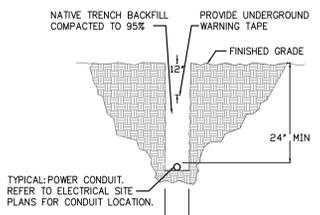
DETAIL 6: PEDESTAL PLUGGING BOX
SCALE: N.T.S.
COLE LIGHTING: CAT#TL310-WCS-PED-GFCI



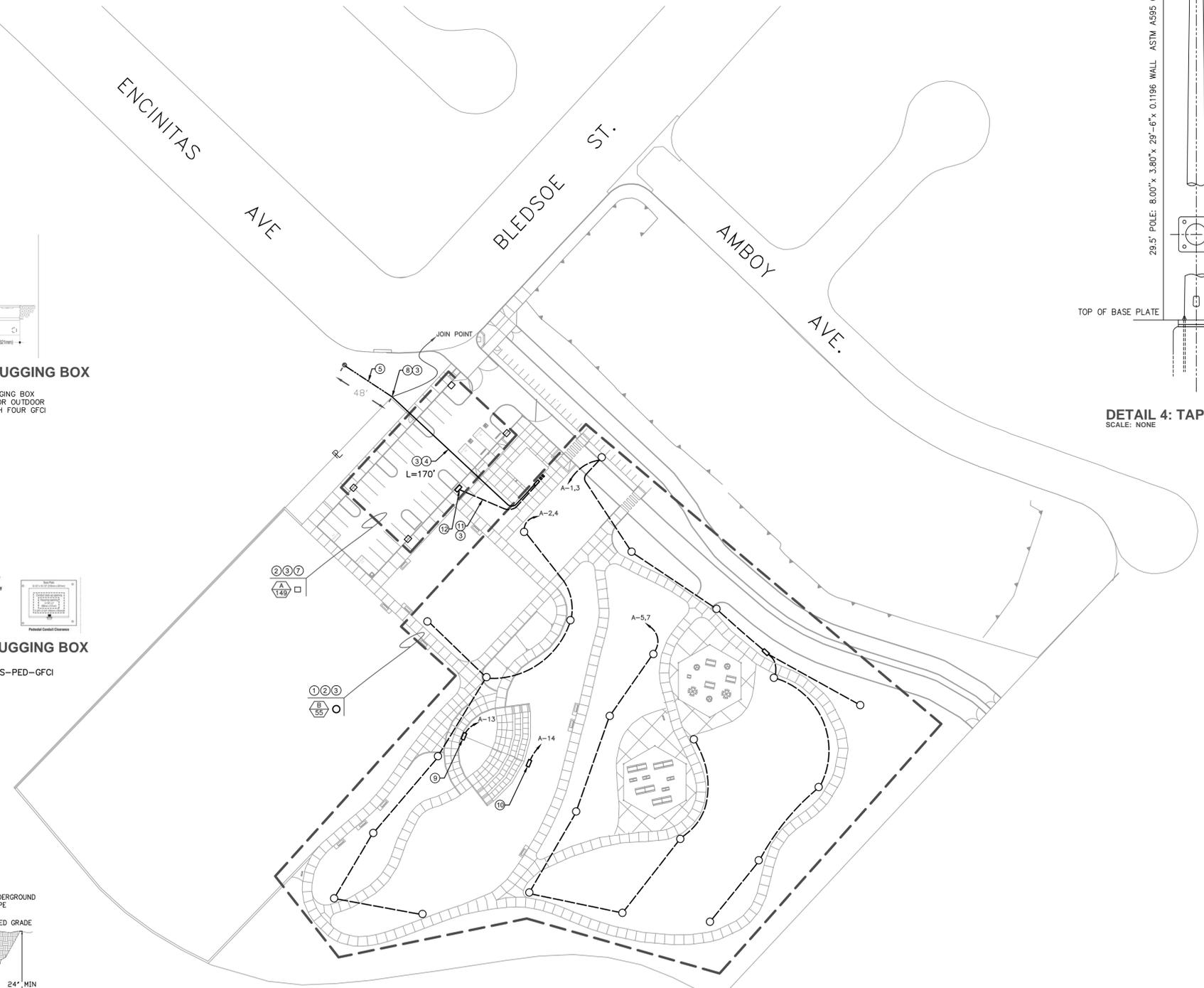
DETAIL 4: TAPER POLE
SCALE: NONE



DETAIL 2: FOUNDATION
SCALE: NONE



DETAIL 3: TRENCHING
SCALE: NONE



ELECTRICAL SITE PLAN
SCALE: 1:50

THE CITY OF LOS ANGELES
DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: MIKE SHULL
ASSISTANT GENERAL MANAGER: RAMON BARAJAS
PROJECT LANDSCAPE ARCHITECT: David Choi
PROJECT ENGINEER: David Choi
DATE: _____

PROJECT NAME:
WEST LAKESIDE STREET PARK
ADDRESS:
**15275 W. LAKESIDE STREET
LOS ANGELES, CA 91342**

REVISIONS:	DATE:
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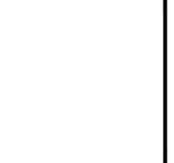
PLAN NAME:
ELECTRICAL SITE PLAN,
FIXTURE SCHEDULE,
DETAILS, PLAN NOTES

DRAWN BY: DO
APPROVED BY: _____
SCALE: _____
ISSUE DATE: 12/12/2015
W.O. NO. _____
FILE NO. _____

DRAWING NO.
E3.0
SHEET 3 OF 5 SHEETS



THE CITY OF LOS ANGELES
 DEPARTMENT OF RECREATION AND PARKS
 ASSISTANT GENERAL MANAGER: RAMON BARAJAS
 GENERAL MANAGER: MIKE SHULL
 PROJECT LANDSCAPE ARCHITECT: _____ LIC. NO. _____
 PROJECT ENGINEER: David Choi _____ LIC. NO. E-18742
 AS BUILT DRAWN BY: _____ DATE: _____



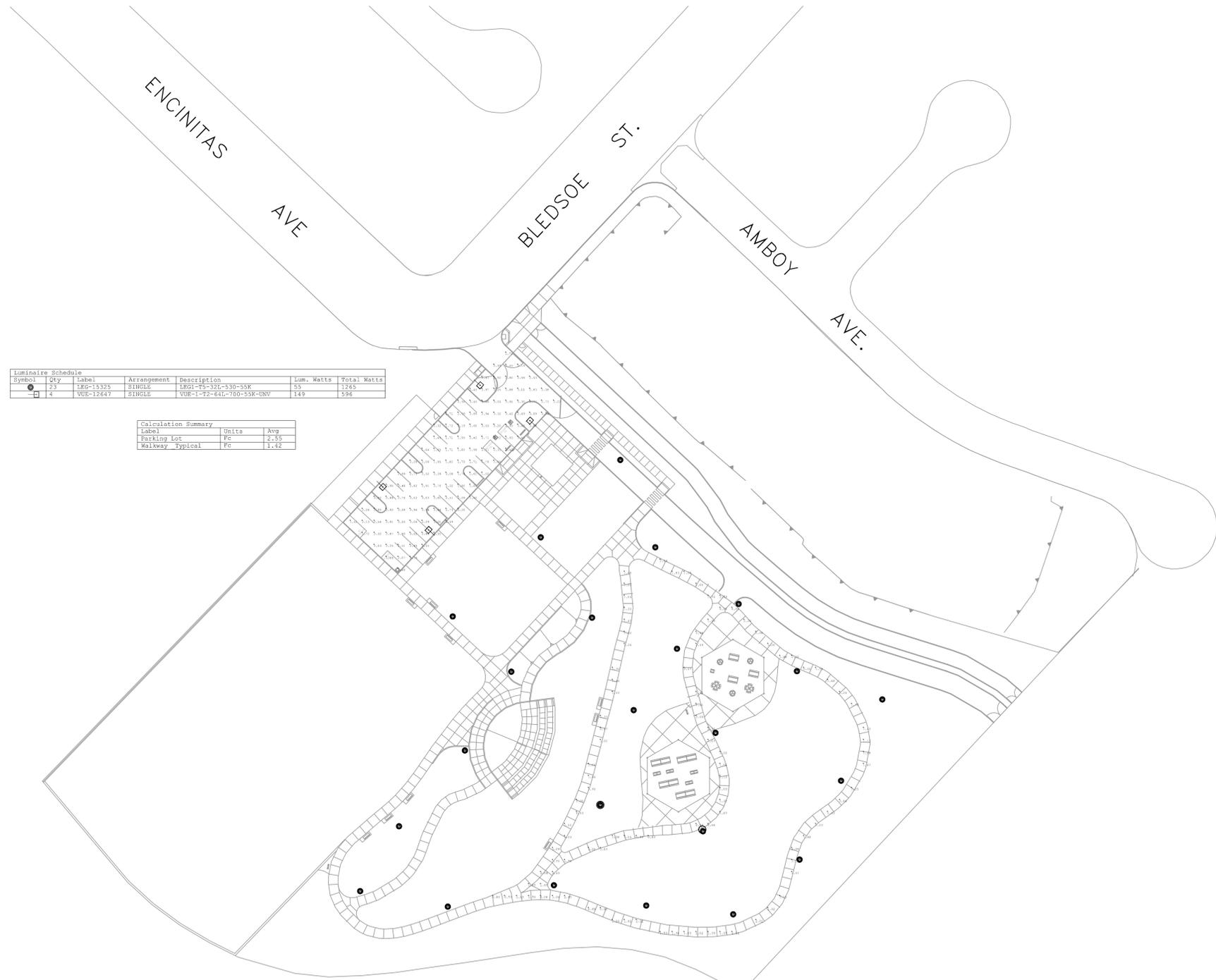
PROJECT NAME:
**WEST LAKESIDE STREET
 PARK**
 ADDRESS:
**15275 W. LAKESIDE STREET
 LOS ANGELES, CA 91342**

REVISIONS:	DATE:
△	
△	
△	
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PLAN NAME:
 PHOTOMETRIC SITE PLAN

DRAWN BY: DO	APPROVED BY:
SCALE:	ISSUE DATE: 12/12/2015
W.O. NO.	FILE NO.

DRAWING NO.
E4.0
 SHEET 4 OF 5 SHEETS



Symbol	Qty	Label	Arrangement	Description	Lum. Watts	Total Watts
●	23	18G-15325	SINGLE	18G1-75-325-530-55K	55	1265
□	4	VUB-12647	SINGLE	VUB-1-T2-64L-700-55K-UVV	149	596

Label	Units	Avg
Parking Lot	FC	2.55
Walkway, Typical	FC	1.42

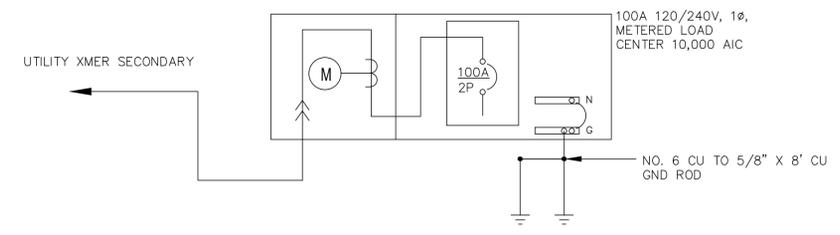
PHOTOMETRIC SITE PLAN
 SCALE: 1:50
 NORTH



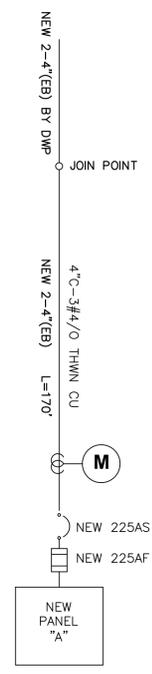
THE CITY OF LOS ANGELES
 DEPARTMENT OF RECREATION AND PARKS
 ASSISTANT GENERAL MANAGER: RAMON BARAJAS
 GENERAL MANAGER: MIKE SHULL
 PROJECT LANDSCAPE ARCHITECT: David Choi
 PROJECT ENGINEER: _____ DATE: _____
 AS BUILT DRAWN BY: _____

PANEL "A"				120/240 1 PHASE 3 WIRES		
				225A BUS		
				225A MAIN C/B		
CKT #	OUTLET			WATTAGE		REMARK
	A	P	R	L1	L2	
1	20	2	8	220		SECURITY LTG.
2	20	2	8	220		SECURITY LTG.
3	-	-	-	220		
4	-	-	-	220		
5	20	2	7	220		SECURITY LTG.
6	20	2	4	298		PARKING LOT LTG.
7	-	-	-	165		
8	-	-	-	298		
9	15	1		280		W.P.GFCI RECEP & TIME CLOCK
10	20	1		500		CCTV CAMERAS
11	20	1		200		IRRIGATION CONTROL
12	20	1		136		FAN BLOWER
13	35	1		360		INGROUND PLUGGING BOX
14	35	1		360		PEDESTAL PLUGGING BOX
15						
16						
17						
18						
19						
20						
25% OF CONT. LOAD				1798	1899	= 3,697 + 465 = 4,162 WATTS
0.25 X 1861 = 465				TOTAL = 4,162 X 125% = 5,202W OR 22A		

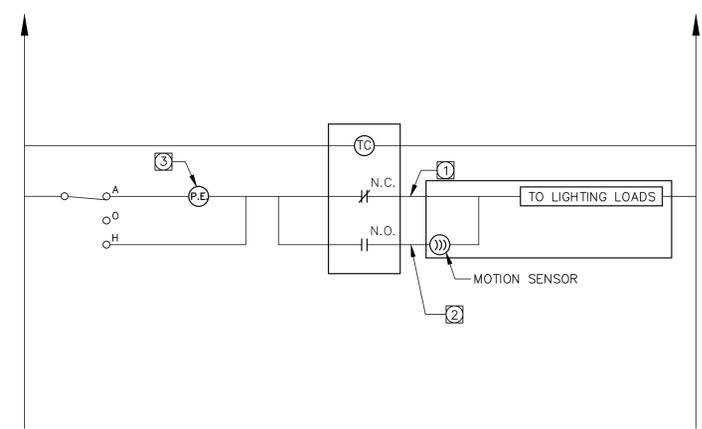
PANEL SCHEDULE "A"
 SCALE: N.T.C



ELECTRICAL RAISER DIAGRAM
 SCALE: N.T.C



SINGLE LINE DIAGRAM
 SCALE: N.T.C



SECURITY AND NIGHT LIGHT CONTROLS
 SCALE: N.T.C

- NOTES:
- CONDUCTOR FOR DUSK TO 10:30PM OPERATION VIA REMOTE PHOTOCELL/TIMECLOCK AT 30% ENERGY SAVINGS MODE AND 100% WHEN AREA IS OCCUPIED.
 - CONDUCTOR FOR 10:30PM TO DAWN OPERATION VIA FIXTURE MOUNTED MOTION SENSOR FOR 100% LIGHT OUTPUT ONLY WHEN AREA IS OCCUPIED.
 - PHOTOCELL SHALL SECTION FEED MULTIPLE LED SECURITY LIGHTS.

PROJECT NAME:
WEST LAKESIDE STREET PARK
 ADDRESS:
15275 W. LAKESIDE STREET LOS ANGELES, CA 91342

REVISIONS:	DATE:
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PLAN NAME:
 SINGLE LINE DIAGRAM, PANEL SCHEDULE, CONTROLS

DRAWN BY: DO	APPROVED BY:
SCALE: 12/12/2015	ISSUE DATE:
W.O. NO.	FILE NO.

DRAWING NO.
E5.0
 SHEET 5 OF 5 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.



PARK PROUD LA

THE CITY OF LOS ANGELES
DEPARTMENT OF RECREATION AND PARKS
SUPERINTENDENT: CATIE SANTO DOMINGO
GENERAL MANAGER: MICHAEL SHULL
PROJECT LANDSCAPE ARCHITECT:
PROJECT ENGINEER:
AS-BUILT DRAWN BY:

A NOT USED
N.T.S.

B NOT USED
N.T.S.

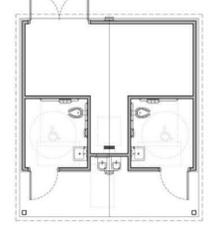
E NOT USED
N.T.S.

F NOT USED
N.T.S.

I NOT USED
N.T.S.

J NOT USED
N.T.S.

PROJECT REF#: 9784-6-24-2016-1



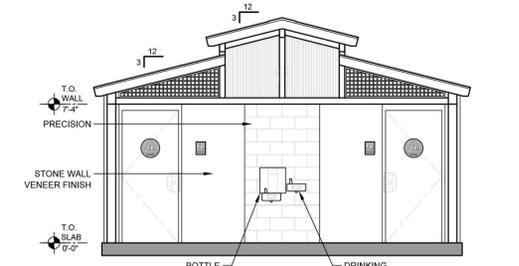
FLOOR PLAN
SCALE: NOT TO SCALE



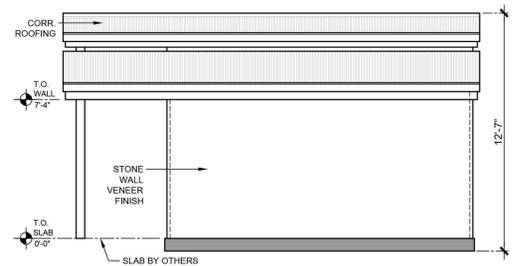
ARTIST IMPRESSION:
ENCOURAGE AND 3D RENDERING ARE ONLY
FOR REPRESENTATION. COLORS AND MATERIALS
ARE SUBJECT TO CHANGE.

A RESTROOM - RENDERING
N.T.S.

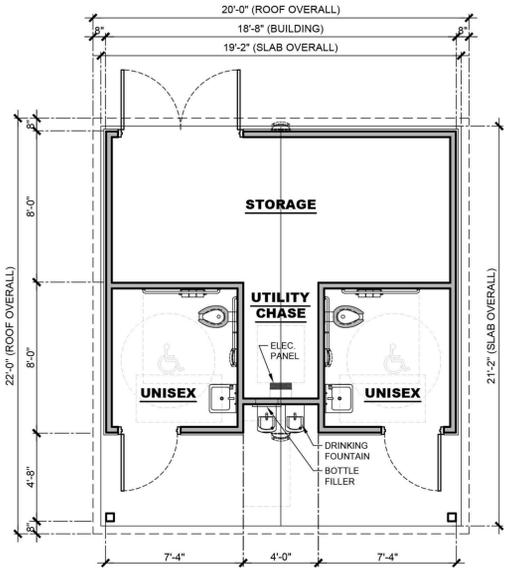
PROJECT REF#: 9784-6/24/2016-1



ELEVATION 1
SCALE: 3/16"=1'0"



ELEVATION 2
SCALE: 3/16"=1'0"



FLOOR PLAN
SCALE: 3/16"=1'0"

 PUBLIC RESTROOM COMPANY Building Better Place To Go.™ PH: 888-888-2060 FAX: 888-888-1428	BUILDING TYPE: RESTROOM BUILDING	REVISION # 1	REVISION DATE: 6/24/2016	SHEET# -
	PROJECT: WEST LAKESIDE STREET PARK LOS ANGELES, CA	PROJECT #: 9784	START DATE: 11/18/2015	MAX. PERSON / HOUR: 90 S

K RESTROOM FLOOR PLAN
N.T.S.

PROJECT NAME:
**WEST LAKESIDE STREET
PARK**
ADDRESS:
**15275 W. LAKESIDE STREET
LOS ANGELES, CA 91342**

REVISIONS:	DATE:

PLAN NAME:
RESTROOM

DRAWN BY: APPROVED BY:

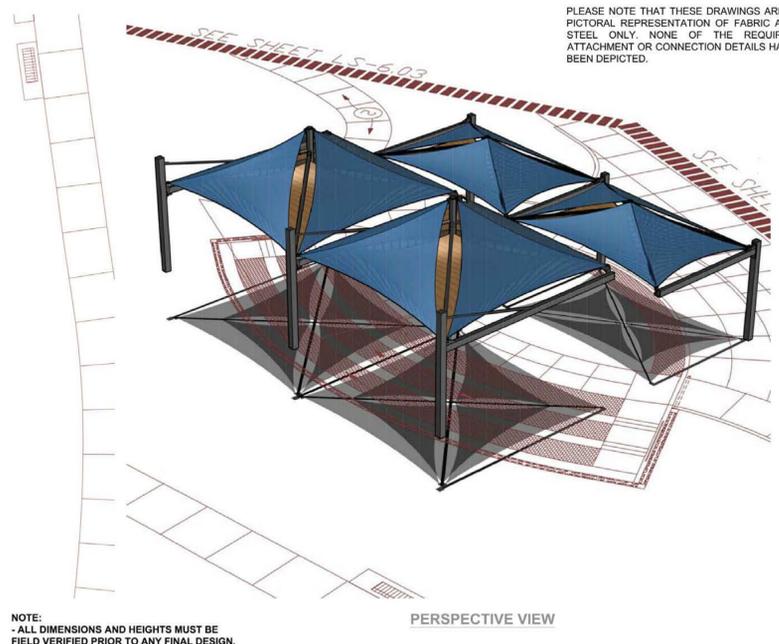
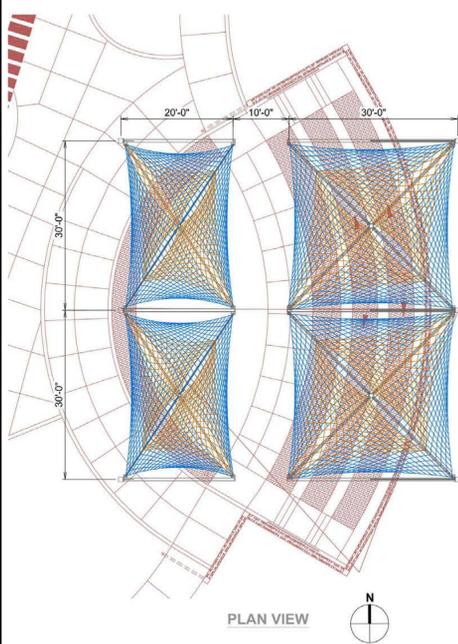
SCALE: ISSUE DATE:
1-22-2018

W.O. NO. FILE NO.

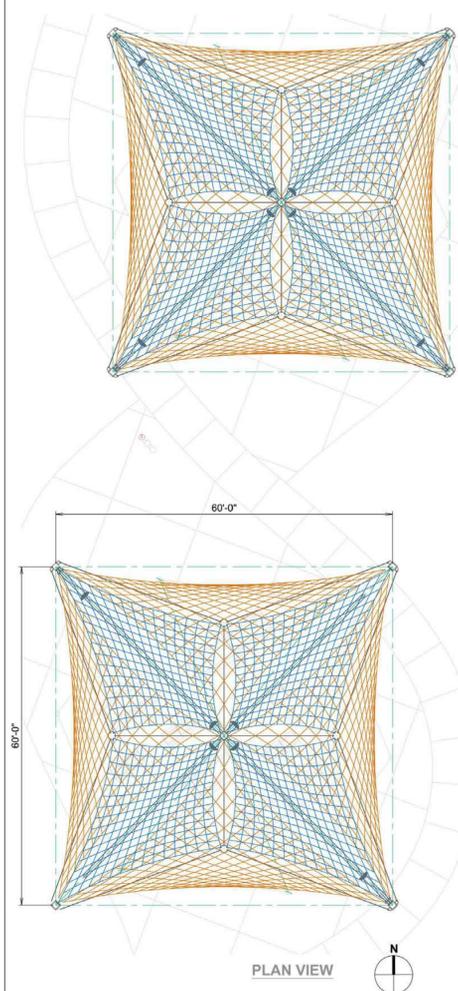
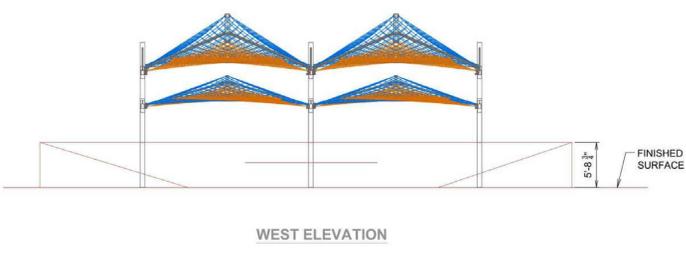
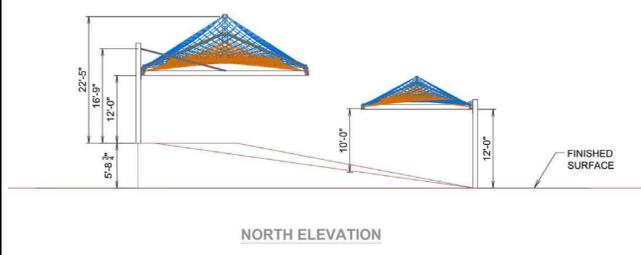
DRAWING NO.

R-1
SHEET 1 OF 1 SHEETS

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

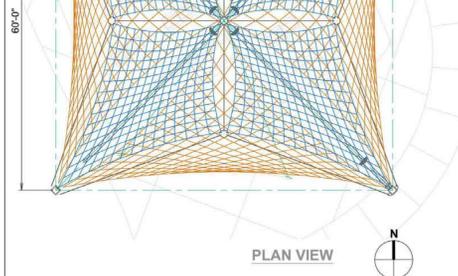


NOTE:
- ALL DIMENSIONS AND HEIGHTS MUST BE FIELD VERIFIED PRIOR TO ANY FINAL DESIGN, FABRICATION OR INSTALLATION WORK.



PLEASE NOTE THAT THESE DRAWINGS ARE A PICTORAL REPRESENTATION OF FABRIC AND STEEL ONLY. NONE OF THE REQUIRED ATTACHMENT OR CONNECTION DETAILS HAVE BEEN DEPICTED.

NOTE:
- ALL DIMENSIONS AND HEIGHTS MUST BE FIELD VERIFIED PRIOR TO ANY FINAL DESIGN, FABRICATION OR INSTALLATION WORK.



E SHADE STRUCTURES AT GATHERING AREA - PLANS

N.T.S.

G SHADE STRUCTURES AT PICNIC AREAS - PLANS

N.T.S.

I NOT USED

J NOT USED

K NOT USED

L NOT USED



PARK PROUD LA

THE CITY OF LOS ANGELES
DEPARTMENT OF RECREATION AND PARKS
SUPERINTENDENT: CATHE SANTO DOMINGO
GENERAL MANAGER: MICHAEL SHULL
PROJECT LANDSCAPE ARCHITECT:
PROJECT ENGINEER:
AS-BUILT DRAWN BY:
DATE:

PROJECT NAME:
**WEST LAKESIDE STREET
PARK**
ADDRESS:
**15275 W. LAKESIDE STREET
LOS ANGELES, CA 91342**

REVISIONS:	DATE:
△	
△	
△	
△	
△	

PLAN NAME:
**SHADE
STRUCTURES**

DRAWN BY: APPROVED BY:

SCALE: ISSUE DATE:
1-22-2018

W.O. NO. FILE NO.

DRAWING NO.

A-1
SHEET 1 OF 1 SHEETS