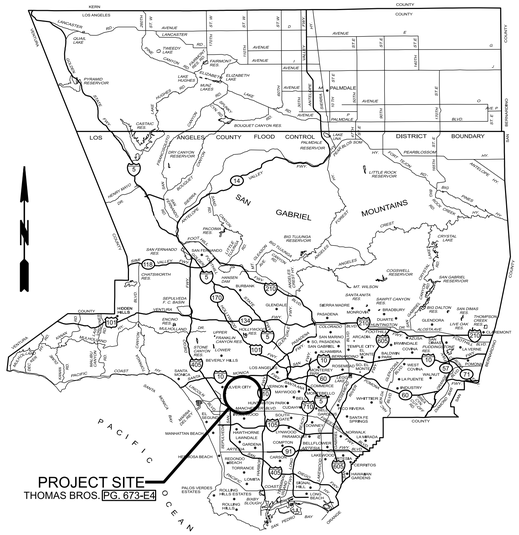
LOS ANGELES COUNTY PUBLIC WORKS

MONTEITH PARK AND VIEW PARK GREEN ALLEY STORMWATER IMPROVEMENTS

Building Permit Application No. BLDC21051200033



LOCATION MAP

NOT TO SCALE

CERTIFIED ACCESS SPECIALIST
(CASp)
INSPECTION REPORT REQUIRED
PRIOR TO PROJECT FINAL
INSPECTION

UTILITIES

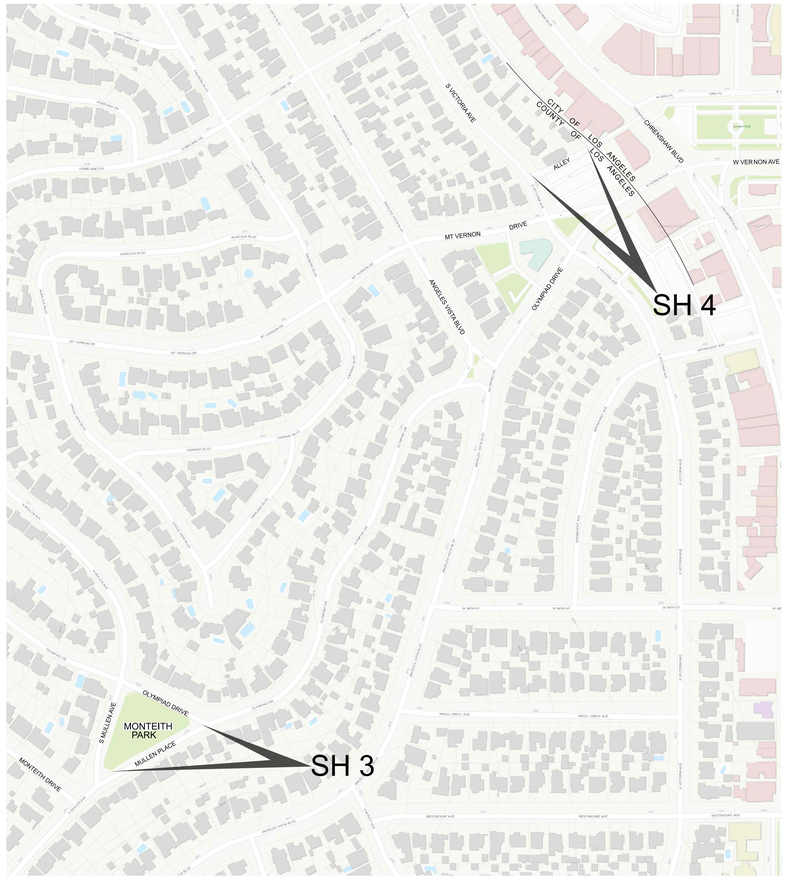
CABLE.....CHARTER SPECTRUM, AT&T, CROWN CASTLE
NATURAL GAS.....SOUTHERN CALIFORNIA GAS COMPANY
POWER.....SOUTHERN CALIFORNIA EDISON COMPANY
SANITARY SEWER.....LOS ANGELES COUNTY PUBLIC WORKS
SEWER MAINTENANCE DIVISION
STORM DRAIN.....LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
WATER.....CALIFORNIA AMERICAN WATER COMPANY

REFERENCES

AS-BUILT PLANS.....LACFCD INDEX NO. 275-679
(LACPW DWG NOS. PD033139-48)
LACFCD INDEX NO. 275-680
(LACPW DWG NOS. PD033148-53)
GEOTECHNICAL INVESTIGATION REPORT.....DATED 4/16/18
PHASE II SITE ASSESSMENT REPORT.....GEOCON PROJ NO. A8559-77-79, DATED 9/15/20
SURVEY FIELD NOTES.....PWFB 1118, PG 1387 - 1403

STORMWATER QUALITY INFORMATION

85TH PERCENTILE 24-HR CAPTURE VOLUME	DRAINAGE AREA	85TH PERCENTILE PEAK FLOW	NO. OF DRYWELLS
9.32 AC-FT	288 AC	27.89 CFS	17



KEY MAP

NOT TO SCALE

NORTH

Prime Contractor License Required: Class A

ENGINEER'S STATEMENT REGARDING THE RESPONSIBILITY FOR THE ADA ACCESSIBILITY DESIGN

I HEREBY ATTEST THAT I HAVE REVIEWED THE DESIGN OF THE ADA ACCESSIBITY PATHS. I WILL ENSURE THAT THE PATHS SHALL BE CONSTRUCTED ACCORDING TO THE DESIGN AND SHALL BE ADA COMPLIANT AFTER CONSTRUCTION.

NOLI LASAO C60956 CIVIL — ENGINEER SEAL & SIGNATURE

11/30/2021 — DATE

Know what's below. Call before you dig.

APPROVED BY MARK PESTRELLA, DIRECTOR OF PUBLIC WORKS

ASSISTANT DEPUTY DIRECTOR — 10/04/2022 DATE

SUBMITTED BY:

DESIGN TEAM I — 10/04/2022 DATE

DATE	MK	DESCRIPTION
		REVISIONS

REGISTERED PROFESSIONAL ENGINEER — NOLI LASAO — NO. C60956 — CIVIL — STATE OF CALIFORNIA

PROJECT ENGINEER — 08/04/2022 DATE

LOS ANGELES COUNTY PUBLIC WORKS

MONTEITH PARK AND VIEW PARK GREEN ALLEY STORMWATER IMPROVEMENTS

TITLE SHEET

PROJECT ID NO. SWQ0000005

CAPITAL PROJECT NO. CP-69813 | SHEET 1 OF 23

DR-1

CADD PROJECT FILE NAME SWQ0000005_DGN
CHECKER R_LUI
DESIGNER NOLI_LASAO
DRAFTER NOLI_LASAO

INDEX TO PROJECT PLANS

DRAINAGE AND STRUCTURAL DRAWINGS (PLAN DR)

LANDSCAPE IMPROVEMENTS (PLAN LS)

ELECTRICAL DRAWINGS (PLAN E)

MECHANICAL DRAWINGS (PLAN ME)

PROJECT ID SWQ0000005
MONTEITH PARK AND VIEW PARK GREEN ALLEY STORMWATER IMPROVEMENTS
BID PACKAGE

PLAN DR

GENERAL NOTES

1. PRIME CONTRACTOR LICENSE REQUIRED: CLASS A
2. DRILLER CONTRACTOR LICENSE REQUIRED: CLASS C-57
3. STANDARD PLANS REFERENCED ARE PER THE STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION (SPPWC 2012 VERSION) UNLESS OTHERWISE NOTED.
4. ALL FIELD BOOK REFERENCES PERTAIN TO LOS ANGELES COUNTY PUBLIC WORKS FIELD BOOKS, UNLESS OTHERWISE NOTED.
5. ELEVATIONS SHOWN ARE IN FEET BASED ON LOS ANGELES COUNTY CULVER QUAD, 2005 ADJUSTMENT, NAVD 1988 DATUM. COORDINATES SHOWN ARE NAD 83, CA, ZONE 5, EPOCH 2007.
6. LOCATIONS OF BORING LOGS AND CP TESTS ARE SHOWN AND MARKED ON PLANS WITH SYMBOL ◔
7. STATIONS SHOWN ON THE PLANS ARE ALONG CENTERLINE OF CONDUIT OR ON A LINE NORMAL TO CENTERLINE OF CONDUIT.
8. STATIONS AND INVERT ELEVATIONS OF PIPE INLETS SHOWN ON THE PROFILES ARE AT THE INSIDE FACE OF THE CONDUIT, UNLESS OTHERWISE SHOWN.
9. ALL PIPE IN OPEN TRENCH SHALL BE BEDDED ACCORDING TO LACPW STANDARD PLAN 3080, CASE 3, UNLESS OTHERWISE NOTED. "W" VALUES SHALL BE AS SPECIFIED ON STANDARD PLAN 3080 FOR CASE 3 BEDDING, NOTES (a) AND (b). IF THE "W" VALUE AT THE TOP OF THE PIPE IS EXCEEDED, THE BEDDING SHALL BE MODIFIED AND/OR PIPE OF ADDITIONAL STRENGTH SHALL BE PROVIDED. THE PROPOSED MODIFICATION SHALL BE APPROVED BY THE AGENCY.
10. CONCRETE BACKFILL SHALL BE PROVIDED AROUND PIPE 21 INCHES IN DIAMETER OR LESS WHERE THE COVER IS EQUAL TO OR LESS THAN 2'-0", AROUND PIPE GREATER THAN 21 INCHES IN DIAMETER BUT LESS THAN 39 INCHES WHERE THE COVER IS LESS THAN 1'-3", AND FOR PIPE 39 INCHES OR GREATER WHERE THE COVER IS LESS THAN 1'-0". THE CONCRETE BACKFILL SHALL BE AS SPECIFIED ON LACPW STANDARD PLAN 3080, NOTE 4.
11. MANHOLES SHALL USE SPPWC STANDARD PLAN NO.633 FOR THE "FRAME AND COVER," WHICHEVER APPLIES, AND 635 FOR THE "STANDARD DROP STEP". STORM DRAIN MANHOLE COVERS SHALL BE CAST WITH THE LETTER "D" AT THE CENTER OF THE COVER AND THE LETTERS "L.A.C.F.C.D." SHALL BE CAST BELOW THE LETTER "D" IF OWNED BY LACFCD. CATCH BASIN MANHOLE COVERS SHALL BE CAST WITH THE LETTERS "L.A.C.F.C.D." AT THE CENTER OF THE COVER IF OWNED BY LACFCD. THE LETTER SIZE SHALL BE 1-INCH HIGH.
12. ALL MANHOLE COVERS SHALL BE FURNISHED WITH PICK HOLE PLUGS. PICK HOLE PLUG SHALL BE MOLDED, CUT, OR EXTRUDED FROM A HIGH QUALITY RUBBER. IF THE PLUG IS CUT, IT SHALL HAVE A MINIMUM TENSILE STRENGTH OF 800 PSI. IF THE PLUG IS EXTRUDED, IT SHALL HAVE A MINIMUM TENSILE STRENGTH OF 1200 PSI AND SHALL HAVE A HARDNESS BETWEEN 55 AND 65. THE PICK HOLE PLUG SHALL BE APPROPRIATELY SIZED FOR THE SIZE OF THE PICK HOLE.
13. ALL RESURFACING, CURBS, GUTTERS, SIDEWALKS, DRIVEWAYS AND OTHER EXISTING IMPROVEMENTS TO BE RECONSTRUCTED SHALL BE CONSTRUCTED AT THE SAME ELEVATION AND LOCATION AS THE EXISTING IMPROVEMENTS, UNLESS OTHERWISE NOTED.
14. COMPACTION EQUIPMENT USED TO PLACE BACKFILL MUST NOT EXCEED 35,000 LBS.
15. ALL GALVANIZED STEEL SHALL BE HOT DIPPED.
16. ALL ANCHOR BOLTS SHALL BE STAINLESS STEEL.
17. ALL EXISTING UTILITIES SHOWN ON THE PLANS ARE THE PROPERTY OF THE OWNERS LISTED ON SHEET DR-1, UNLESS OTHERWISE NOTED.
18. EXISTING UTILITIES SHALL BE MAINTAINED IN PLACE BY THE CONTRACTOR, UNLESS OTHERWISE NOTED, AND ALL UTILITIES CROSSING THE TRENCH SHALL BE TEMPORARILY SUPPORTED TO THE SATISFACTION OF THE OWNER.
19. WHERE THE UTILITIES ARE INDICATED ON THE PLANS TO BE SUPPORTED, SAID SUPPORTS SHALL BE IN ACCORDANCE WITH SPPWC STANDARD PLAN NO. 224, UNLESS OTHERWISE INDICATED.
20. OVERHEAD UTILITY LINES ARE NOT SHOWN ON THE PROJECT PLANS, WHICH MAY IMPACT THE CONTRACTOR'S OPERATIONS.
21. EXISTING TREES SHALL BE REMOVED ONLY IF DESIGNATED BY SYMBOL "R." THOSE TREES NOT INTERFERING WITH CONSTRUCTION SHALL BE PROTECTED IN PLACE.
22. ALL MANHOLE SHAFT JOINTS OR CONNECTIONS SHALL BE SEALED FROM THE INSIDE BY PLASTERING WITH NON-SHRINK CEMENT GROUT.

NON-STANDARD ABBREVIATIONS

ABBREVIATION	WORD OR WORDS
ADJ	ADJUST, ADJUSTMENT
AP	ANGLE POINT
AVE	AVENUE
BGS	BELOW GROUND SURFACE
BLVD	BOULEVARD
BM	BENCH MARK
BW	BACK OF WALK
C&G	CURB AND GUTTER
CA	CALIFORNIA
CALTRANS	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORATION
CF	CUBIC FEET
CFS	CUBIC FEET PER SECOND
CLR	CLEARANCE
CMP	CORRUGATED METAL PIPE
CONN	CONNECTOR
CY	CUBIC YARD
D/S	DOWNSTREAM
DR	DRIVE
DWG	DRAWING
E/O	EAST OF
E	EAST, ELECTRIC
EFL	EFFLUENT
ELEC	ELECTRIC, ELECTRICAL
ELEV	ELEVATION
EXST	EXISTING
FG	FINISHED GRADE
FH	FIRE HYDRANT
FS	FINISHED SURFACE
G	GAS
GC	GRADE CHANGE
GR	GRADE
GV	GAS VALVE
GW	GUY WIRE
H	HIGH
HORIZ	HORIZONTAL
HW	HOUSEWALK
INCL	INCLUDING
INF	INFLUENT
INT	INTERSECTION
INV	INVERT
JS	JUNCTION STRUCTURE
L	LENGTH
LACPW	LOS ANGELES COUNTY PUBLIC WORKS
LACFCD	LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
LD	LOCAL DEPRESSION
LF	LINEAR FEET
MECH	MECHANICAL
MOD	MODIFIED
MON	MONITORING
MTL	MATERIAL
N	NORTH
N/O	NORTH OF
NAD	NORTH AMERICA DATUM
NAVD	NORTH AMERICA VERTICAL DATUM
NE	NORTHEAST
NW	NORTHWEST
PB	PULL BOX
PERF	PERFORATED
PG	PAGE
PI	POINT OF INTERSECTION
PKWY	PARKWAY
PL	PLACE
PP	POWER POLE
PROP	PROPOSED
PWFB	PUBLIC WORKS FIELD BOOK
RD	ROAD DIVISION
RECONST	RECONSTRUCT
RELOC	RELOCATE
RESURF	RESURFACE, RESURFACING
RSP	REVISED STANDARD PLAN
RU	UTILITY TO BE RELOCATED BY THE CONTRACTOR
S	SLOPE, SOUTH
S/O	SOUTH OF
SCH	SCHEDULE
SD	STORM DRAIN
SE	SOUTHEAST
SH	SHEET
SF	SQUARE FEET
SL	STREET LIGHT
SPECS	SPECIFICATIONS
SS	STAINLESS STEEL
ST	STREET
STA	STATION
SW	SOUTHWEST
SWR	SANITARY SEWER
SWR MH	SANITARY SEWER MANHOLE
TC	TOP OF CURB
TG	THOMAS GUIDE
TL	TRANSIT LINE
TOT	TOTAL

NON-STANDARD ABBREVIATIONS (CONTINUED)

ABBREVIATION	WORD OR WORDS
TS	TRAFFIC SIGNAL, TRANSITION STRUCTURE
U/S	UPSTREAM
V_I	INLET V-DEPTH
V_{od}	OUTLET V-DEPTH TO DRYWELL
V_{om}	OUTLET V-DEPTH TO MAINLINE
VAR	VARIABLE, VARIES
VERT	VERTICAL
VU	VERTICAL ADJUSTMENT OF UTILITIES BY THE CONTRACTOR
W	WATER, WEST, WIDE
W/O	WEST OF
WM	WATER METER
WV	WATER VALVE
WY	WAY
Ø	DIAMETER

ENGINEER'S STATEMENT REGARDING THE PRESENCE OF MONUMENTS WITHIN PROJECT LIMITS

I HEREBY ATTEST THAT I HAVE LOCATED AND REFERENCED ON THESE PLANS THE MONUMENTS EXISTING PRIOR TO CONSTRUCTION TO ENSURE PERPETUATION OF THEIR LOCATION IN ACCORDANCE WITH SECTION 8771 OF THE BUSINESS AND PROFESSIONS CODE. I FURTHER ATTEST THAT I HAVE PERFORMED A RECORD SEARCH AND FIELD INSPECTION TO IDENTIFY EXISTING MONUMENTS; SHALL SET SUFFICIENT CONTROLLING, WITNESS, AND PERMENANT MONUMENTS; AND SHALL FILE THE REQUISITE CORNER RECORD OR RECORD OF SURVEY OF THE REFERENCES WITH THE COUNTY SURVEYOR.

ENGINEER SEAL & SIGNATURE — DATE: 04/25/2022

CONVENTIONAL SYMBOLS

	EXISTING TOPOGRAPHY	PROPOSED IMPROVEMENTS
CURB		
CURB AND GUTTER		
GUTTER		
PAVEMENT CONCRETE		
PAVEMENT AC		
FENCE		
DRIVEWAY		
FIRE HYDRANT		
MANHOLE		
POLE		
PROPERTY LINE		
R/W LINE (LACFCD)		
R/W LINE (ROAD)		
PULL BOX	PB	
SIGNAL CONTROL BOX		
STREET LIGHT		
PALM TREE		
OTHER TREE		
WATER VALVE/METER		
VAULT	V	
BRICK (BLOCK) WALL		
CONCRETE WALL		
SEWER		

CONSTRUCTION SYMBOLS

A / 3 — ABOVE LINE: NAME OF SECTION OR DETAIL
BELOW LINE: SHEET NUMBER OF THE REFERENCED SECTION OR DETAIL IF THE SECTION OR DETAIL IS NOT ON THE SAME SHEET

CONSTRUCTION NOTES

1. THICKNESS OF PAVEMENTS ARE INDICATED ON PLAN IN THE RESURFACING SCHEDULE TABLE AND APPLY ONLY WITHIN THE LIMITS OF EXCAVATION.
2. ALL PAVEMENT REMOVALS SHALL USE STRAIGHT LINE SAW CUTS A MINIMUM OF 1.5" DEEP.
3. AC PAVEMENT CONSTRUCTION FOR ANY TRENCH RESURFACING SHALL EXTEND A MINIMUM OF 12" BEYOND ANY TRENCH WALL (SEE TYPICAL PIPE TRENCH DETAIL FOR AC PAVEMENT ON SHEET 3). IF REMAINING AC PAVEMENT BETWEEN EDGE OF TRENCH RESURFACING AND EXISTING GUTTER, CURB, CROSS GUTTER, OR CUT LINE IS LESS THAN 12 INCHES IN WIDTH, THE REMAINING AC PAVEMENT SHALL BE COLD MILLED 2" AND REPLACED.
4. PCC PAVEMENT SHALL JOIN EDGE OF ALL EXISTING VAULTS.
5. ALL AFFECTED TRAFFIC STRIPING, CURB MARKINGS, PAVEMENT MARKERS, AND LOOP DETECTORS SHALL BE REPLACED TO MATCH EXISTING UNLESS OTHERWISE NOTED.
6. ANY MAIN LINE SEWERS, MANHOLES, OR HOUSE CONNECTIONS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT THEIR EXPENSE TO THE SATISFACTION OF THE COUNTY ENGINEER.
7. THE PCC THICKNESS "T" FOR ALL CURB RAMPS SHALL BE 4" UNLESS OTHERWISE NOTED.

NOTES

1. THE CHANGE IN GRADE OF THE CONNECTOR PIPE SHALL OCCUR EITHER OVER OR UNDER EXISTING UTILITY. THE PARTICULAR UTILITY, AT WHICH THE CHANGE IN GRADE OCCURS, IS NOTED ON THE PROJECT PLANS. AT LOCATIONS WHERE UTILITY CROSSINGS ARE MARKED ⚠, THE CONNECTOR PIPE GRADE SHALL BREAK OVER THE UTILITY. AT LOCATIONS WHERE UTILITY CROSSINGS ARE MARKED ⚠, THE CONNECTOR PIPE GRADE SHALL BREAK UNDER THE UTILITY.
2. ON THOSE CONNECTOR PIPES WHERE CHANGE IN GRADE IS NOT INDICATED, IT IS ASSUMED THAT THE CONNECTOR PIPE SHALL BE LAID ON A STRAIGHT GRADE FROM THE CATCH BASIN TO THE STORM DRAIN WITHOUT INTERFERENCE WITH UTILITIES.
3. THE CONTRACTOR SHALL MAKE EXPLORATORY EXCAVATIONS TO DETERMINE THE EXACT LOCATION AND DEPTH OF UTILITIES THAT ARE MARKED ⚠ OR ⚠, EXCEPT SANITARY SEWER UTILITIES. AFTER THE EXACT LOCATION A UTILITY HAS BEEN DETERMINED, THE GRADE AND ALIGNMENT OF THE CONNECTOR PIPE SHALL BE STAKED SO AS TO CLEAR THE UTILITY.
4. WHERE CONNECTOR PIPE HAS A GRADE CHANGE EXCEEDING 0.10 FEET PER FEET, OR DIFFERS IN DIAMETER FROM THAT OF EXISTING PIPE, USE CONCRETE COLLAR PER STANDARD PLAN 380.
5. LOCATIONS OF TEST WELLS FOR THE BORING LOGS ARE SHOWN AND MARKED ON PLANS WITH THE SYMBOL ◔.

STANDARD PLANS

SPPWC, 2012 EDITION

100-2	TOPOGRAPHY SYMBOLS AND STANDARD ABBREVIATIONS
101-2	ABOVEGROUND UTILITIES LOCATION IN PARKWAY
112-2	CURB AND SIDEWALK JOINTS
120-2	CURB AND GUTTER - BARRIER
122-2	CROSS AND LONGITUDINAL GUTTERS
132-3	CONCRETE PAVEMENT REPLACEMENT
133-3	ASPHALT CONCRETE PAVEMENT REPLACEMENT
134-2	CONCRETE PAVEMENT JOINT DETAILS
224-2	SUPPORTS FOR CONDUITS ACROSS TRENCHES
225-2	BLANKET PROTECTION FOR PIPES
305-3	GRATING CATCH BASIN - ALLEY (TRANSVERSE)
308-2	MONOLITHIC CATCH BASIN CONNECTION
313-2	LOCAL DEPRESSIONS AT CATCH BASINS
320-2	MANHOLE PIPE-TO-PIPE [MAIN LINE ID = 36" OR LARGER]
321-2	MANHOLE PIPE-TO-PIPE (ONE OR BOTH MAIN LINE IDS OR SMALLER)
326-2	MANHOLE SHAFT - 36" WITHOUT REDUCER
327-2	MANHOLE FOR EXISTING RCB
331-3	JUNCTION STRUCTURE - PIPE TO PIPE INLET ID > 24" OR OD >1/2" MAIN LINE ID
332-2	JUNCTION STRUCTURE - PIPE TO PIPE ID < 24"
333-2	JUNCTION STRUCTURE - PIPE TO RCB
334-2	JUNCTION STRUCTURE - PIPE TO PIPE INLET > 30"
335-2	PIPE CONNECTIONS TO EXISTING STORM DRAINS
342-2	TRANSITION STRUCTURE RCB TO PIPE
380-4	CONCRETE COLLAR FOR RCP 12" THROUGH 72"
431-1	CONCRETE LIGHTING STANDARD TYPE C-2
520-4	TREE PLANTING
523-2	ROOT PRUNING
633-4	36" MANHOLE FRAME AND COVER
635-3	STEEL STEP
636-2	POLYPROPYLENE - PLASTIC STEP

LACDPW, 2000 EDITION

1010-1	PAVEMENT LEGEND
3080-3	PIPE BEDDING IN TRENCHES
3090-1	CRITERIA FOR THE DESIGN OF SHORING FOR EXCAVATIONS
3091-1	SAMPLE SHEET FOR USE AS A GUIDE IN PREPARING CALCULATIONS FOR SHORING OF EXCAVATIONS
3093-1	UNIFIED SOIL CLASSIFICATION SYSTEM
3095-1	ADDITIONAL REINFORCEMENT FOR BELL END OF RCP
6002-1	PORTABLE SECURITY FENCE FOR OPEN TRENCHES
6008-1	MINIMUM PUBLIC SAFETY REQUIREMENTS FOR OPEN EXCAVATIONS
6009-1	BARRICADE - TYPE III

CALTRANS, 2015 EDITION

RSP A88A	CURB RAMP DETAILS
RSP A88A	CURB AND DRIVEWAYS
RSP ES-8B	ELECTRICAL SYSTEM (TRAFFIC PULL BOX)

CADD PROJECT FILE NAME SQW0000005.DGN
CHECKER R. LUI
DESIGNER N. LASAO
DRAFTER N. LASAO

DATE	MK	DESCRIPTION

REVISIONS

REGISTERED PROFESSIONAL ENGINEER — NOLI LASAO — NO. C60956 — CIVIL — STATE OF CALIFORNIA

PROJECT ENGINEER — DATE: 08/04/2022

DR-2

LOS ANGELES COUNTY PUBLIC WORKS

MONTEITH PARK AND VIEW PARK GREEN ALLEY STORMWATER IMPROVEMENTS

GENERAL INFORMATION AND INDEX TO STANDARD PLANS

PROJECT ID NO. SQW0000005

CAPITAL PROJECT NO. CP-69813 | SHEET 2 OF 23

PLAN DR

DRYWELL LOCATIONS LINE A AND LINE C

DRY WELL	NORTHING	EASTING
A1*	1822221.6875	6459353.6885
A2	1822224.7586	6459375.4731
A3	1822238.2076	6459392.8834
A4*	1822210.2235	6459404.9412
A5	1822205.4121	6459446.7715
C1*	1822110.2192	6459346.6711
C2	1822135.1513	6459348.5144
C3	1822155.5394	6459361.1785
C4*	1822176.2128	6459374.0203
C5	1822184.2824	6459394.7563
C6	1822189.0650	6459420.4416
C7	1822183.6625	6459447.9160
C8	1822189.4663	6459469.1370

STRUCTURE LOCATIONS LINE B

	STRUCTURE CENTER	NORTHING	EASTING
①	DIVERSION STRUCTURE	1822115.4704	6459409.9652
②	4' X 4' ACTUATOR VAULT	1822129.3094	6459401.7305
③	5' X 6' RCB TRASH/SLIDE GATE MH	1822135.9891	6459397.7874
④	INFLUENT MONITORING MH 321	1822144.0269	6459393.0323
⑤	6' X 12' FILTRATION UNIT	1822152.7102	6459387.4636
⑥	EFFLUENT MONITORING MH 321	1822160.8253	6459383.1078

STRUCTURE LOCATIONS LINE A

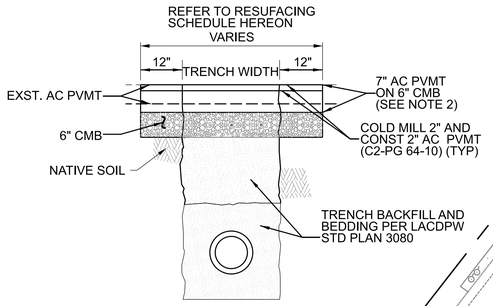
	STRUCTURE CL	NORTHING	EASTING
①	DIVERSION STRUCTURE	1822348.4708	6459393.4741
②	4' X 4' ACTUATOR VAULT	1822283.1820	6459372.9923
③	5' X 6' RCB TRASH/SLIDE GATE MH	1822275.9031	6459370.7114
④	INFLUENT MONITORING MH 321	1822266.8348	6459367.8642
⑤	4' X 8' FILTRATION UNIT	1822257.3192	6459364.8605
⑥	EFFLEUNT MONITORING MH 321	1822248.2641	6459362.0712

RESURFACING SCHEDULE

OLYMPIAD DRIVE	7" AC ON 6" CMB
MULLEN PLACE	7" AC ON 6" CMB

RESURFACING NOTES:

1. THICKNESS OF PAVEMENTS SHOWN IN THE RESUFACING SCHEDULE APPLY ONLY WITHIN THE LIMITS OF THE HATCHED AREAS ABOVE. THE CONTRACTOR IS RESPONSIBLE FOR DAMAGE TO PAVEMENT OUTSIDE OF THE LIMITS THESE LIMITS.
2. AC PAVEMENT SHALL BE 2" C2-PG 64-10 ON 5" B-PG 64-10



TYPICAL PIPE TRENCH DETAIL

NOT TO SCALE

DRYWELL NOTES:

* MONITORING DRYWELLS WITH LASER LEVEL SENSORS AND ARE ACCESSIBLE THRU MANHOLES

DRAINAGE NOTES:

1. ELEVATIONS SHOWN ARE TO BE FIELD VERIFIED AT FINAL GRADE.
2. PROVISIONS SHALL BE MADE FOR CONTRIBUTORY DRAINAGE AT ALL TIMES.
3. THE AGENCY WILL MAINTAIN ALL DRAINAGE DEVICES AND SHALL KEEP THEM FREE OF DEBRIS AFTER CONSTRUCTION.
4. ALL CIRCULAR MANHOLES SHALL BE PER SPPWC 633-4.

GRADING:

1. SEE PLAN LS FOR THE GRADING PLAN .
2. SEE PLAN LS FOR ABOVE GROUND PARK IMPROVEMENTS.

MONTEITH PARK GENERAL PLAN

SCALE: 1" = 20'

10 0 20 40

CADD PROJECT FILE NAME		SQW0000005.DGN
CHECKER		R. LUI
DESIGNER		N. LASAO
DRAFTER		N. LASAO

DATE	MK	DESCRIPTION
11/2/22	N.L.	⚠1 Install Laser Level Sensors
1/9/23	N.L.	⚠2 Add S/W ramp

REVISIONS

REGISTERED PROFESSIONAL ENGINEER — NOLI LASAO — NO. C60956 — CIVIL — STATE OF CALIFORNIA

PROJECT ENGINEER — 08/04/2022 DATE

LOS ANGELES COUNTY PUBLIC WORKS

MONTEITH PARK AND VIEW PARK GREEN ALLEY STORMWATER IMPROVEMENTS

MONTEITH PARK GENERAL PLAN

PROJECT ID NO. SWQ0000005

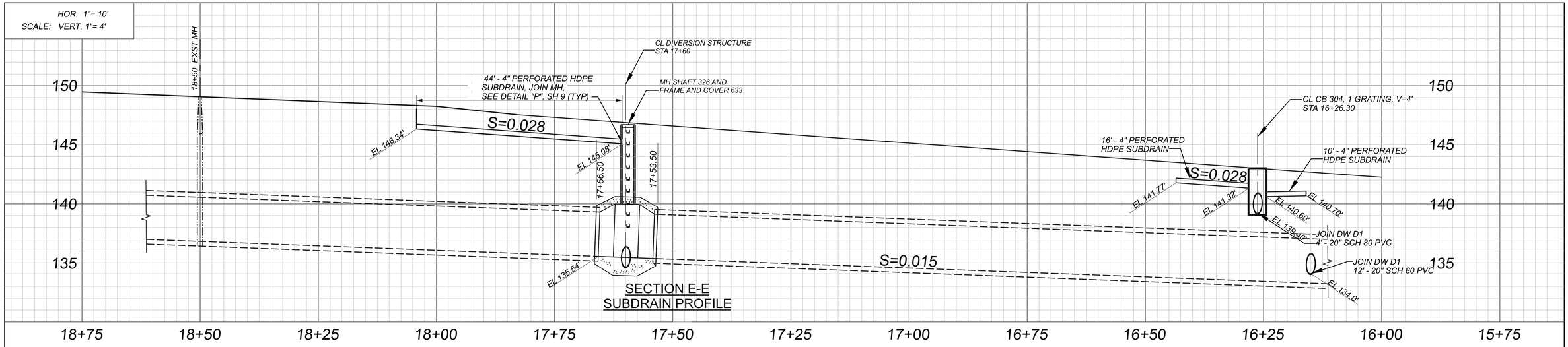
CAPITAL PROJECT NO. CP-69813

DR-3

SHEET 3 OF 23

PLAN DR

HOR. 1"= 10'
SCALE: VERT. 1"= 4'



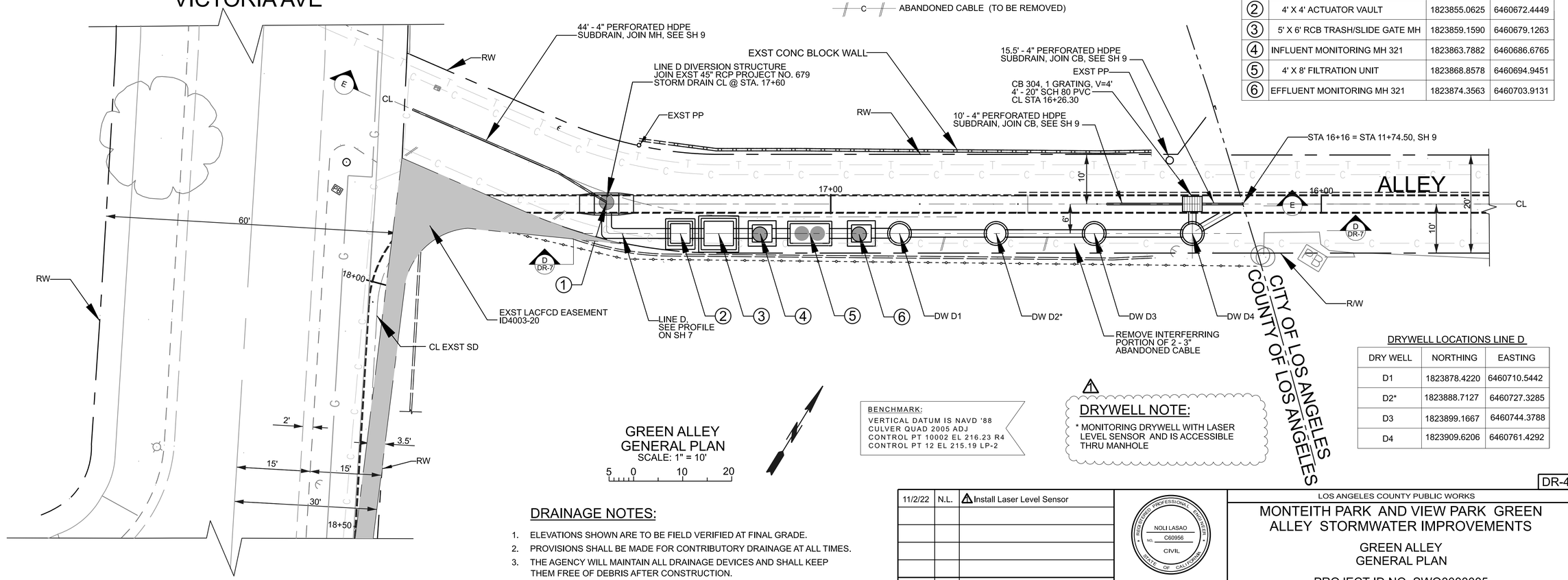
SECTION E-E
SUBDRAIN PROFILE

UTILITIES

- G — NATURAL GAS
- T — TELECOM (AT&T)
- C — CABLE (CROWN CASTLE)
- C — ABANDONED CABLE (TO BE REMOVED)

STRUCTURE LOCATIONS LINE D

	STRUCTURE CENTER	NORTHING	EASTING
1	DIVERSION STRUCTURE	1823852.3280	6460656.5066
2	4' X 4' ACTUATOR VAULT	1823855.0625	6460672.4449
3	5' X 6' RCB TRASH/SLIDE GATE MH	1823859.1590	6460679.1263
4	INFLUENT MONITORING MH 321	1823863.7882	6460686.6765
5	4' X 8' FILTRATION UNIT	1823868.8578	6460694.9451
6	EFFLUENT MONITORING MH 321	1823874.3563	6460703.9131



GREEN ALLEY
GENERAL PLAN
SCALE: 1" = 10'
5 0 10 20

BENCHMARK:
VERTICAL DATUM IS NAVD '88
CULVER QUAD 2005 ADJ
CONTROL PT 10002 EL 216.23 R4
CONTROL PT 12 EL 215.19 LP-2

DRAINAGE NOTES:

1. ELEVATIONS SHOWN ARE TO BE FIELD VERIFIED AT FINAL GRADE.
2. PROVISIONS SHALL BE MADE FOR CONTRIBUTORY DRAINAGE AT ALL TIMES.
3. THE AGENCY WILL MAINTAIN ALL DRAINAGE DEVICES AND SHALL KEEP THEM FREE OF DEBRIS AFTER CONSTRUCTION.
4. ALL CIRCULAR MANHOLES SHALL BE PER SPPWC 633-4.

DRYWELL NOTE:
* MONITORING DRYWELL WITH LASER LEVEL SENSOR AND IS ACCESSIBLE THRU MANHOLE

DRYWELL LOCATIONS LINE D

DRY WELL	NORTHING	EASTING
D1	1823878.4220	6460710.5442
D2*	1823888.7127	6460727.3285
D3	1823899.1667	6460744.3788
D4	1823909.6206	6460761.4292

DATE	MK	DESCRIPTION
11/2/22	N.L.	Install Laser Level Sensor

REVISIONS

REGISTERED PROFESSIONAL ENGINEER
NOLI LASAO
NO. C60956
CIVIL
STATE OF CALIFORNIA

PROJECT ENGINEER — 08/04/2022 DATE

LOS ANGELES COUNTY PUBLIC WORKS

MONTEITH PARK AND VIEW PARK GREEN ALLEY STORMWATER IMPROVEMENTS

GREEN ALLEY GENERAL PLAN

PROJECT ID NO. SWQ0000005

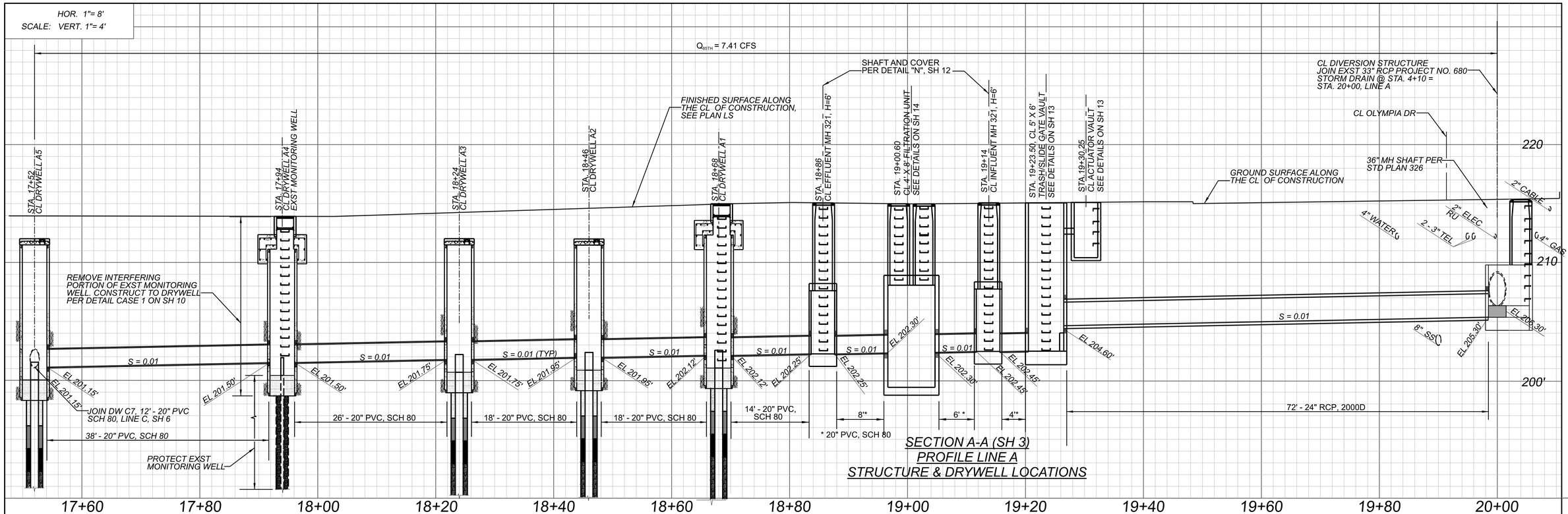
CAPITAL PROJECT NO. CP-69813 | LACFCD INDEX NO. 275-679-D4.3 | SHEET 4 OF 23

DR-4

PLAN DR

CADD PROJECT FILE NAME SQW0000005_DGN
CHECKER R. LUI
DESIGNER N. LASAO
DRAFTER N. LASAO

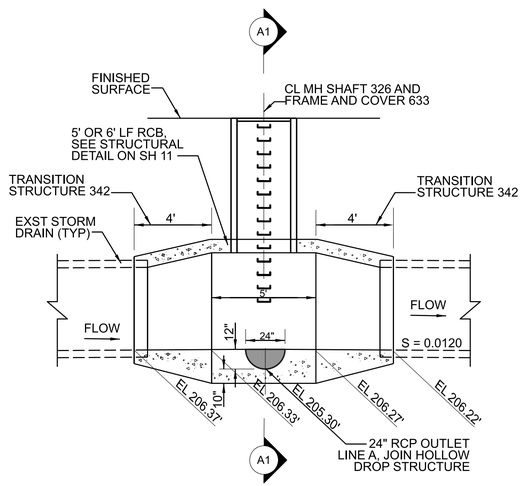
HOR. 1"= 8'
SCALE: VERT. 1"= 4'



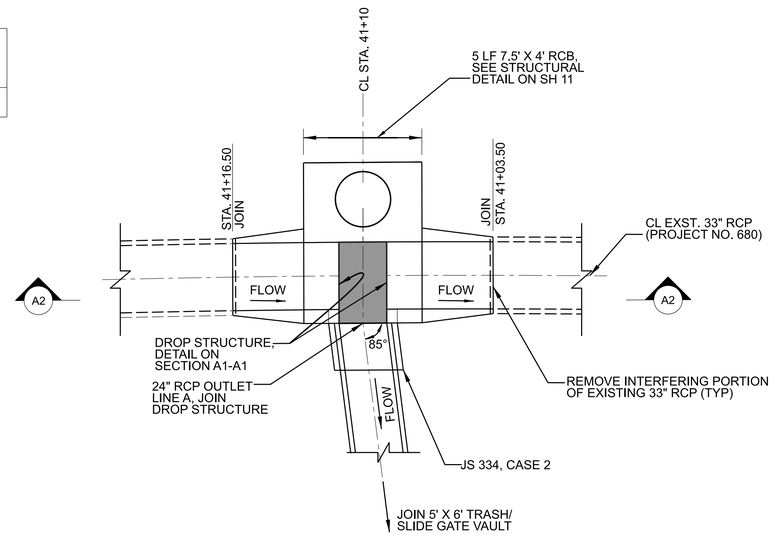
SECTION A-A (SH 3)
PROFILE LINE A
STRUCTURE & DRYWELL LOCATIONS

HYDROLOGIC DATA - LINE A

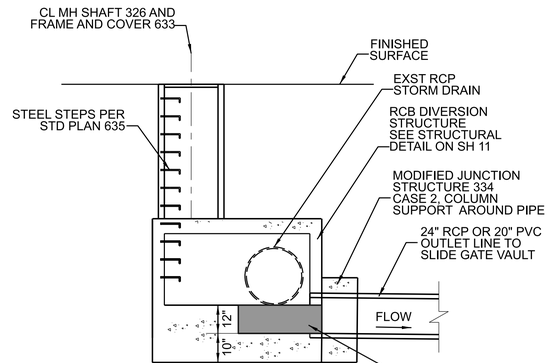
PROJECT FOOTPRINT (ACRES)	DRAINAGE AREA (ACRES)	ACTUAL PROJECT STORAGE CAPACITY (ACRE-FEET)	24- HOUR PROJECT STORAGE CAPACITY (ACRE-FEET)	INFILTRATION WELL DRAWDOWN RATE (CFS)
0.68	61.3	3.45	2.48	0.33



SECTION A2-A2
NOT TO SCALE



PLAN
LINE A
DIVERSION STRUCTURE
NOT TO SCALE



SECTION A1-A1 (SH6 & SH7)
NOT TO SCALE

CADD PROJECT FILE NAME SQW0000005.DGN
CHECKER R. LUI
DESIGNER N. LASAO
DRAFTER N. LASAO

DATE	MK	DESCRIPTION

REVISIONS

REGISTERED PROFESSIONAL ENGINEER — NOLI LASAO — NO. C60956 — CIVIL — STATE OF CALIFORNIA

PROJECT ENGINEER — 08/04/2022 DATE

DR-5

LOS ANGELES COUNTY PUBLIC WORKS

MONTEITH PARK AND VIEW PARK GREEN ALLEY STORMWATER IMPROVEMENTS

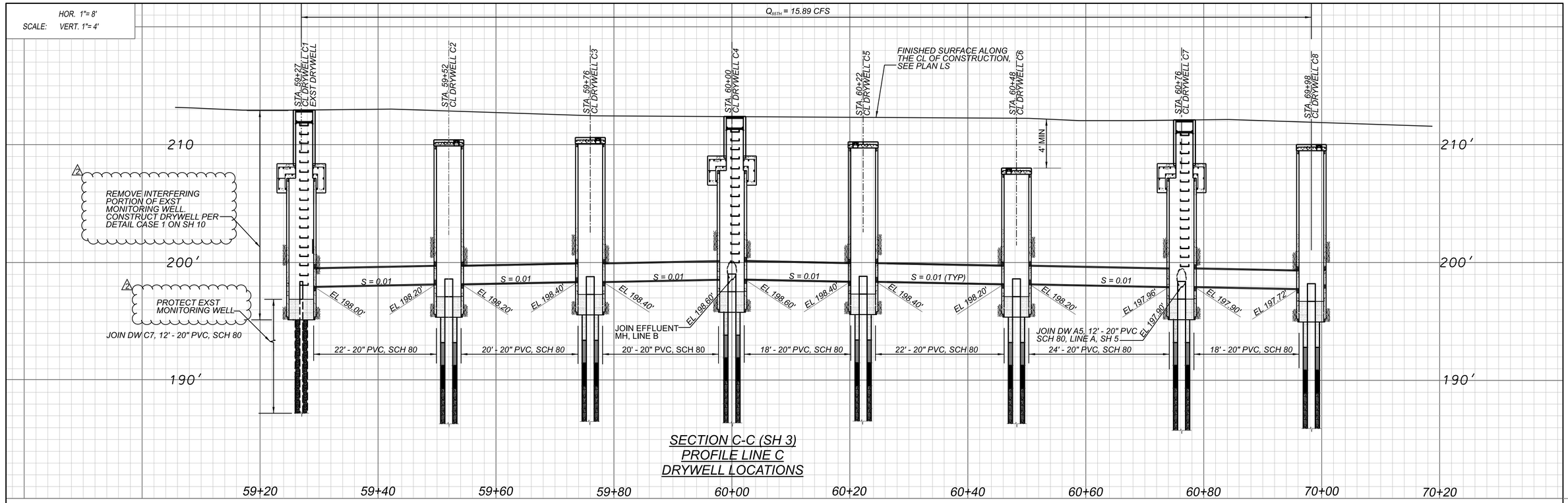
LINE A AND DIVERSION STRUCTURE PROFILE AND DETAILS

PROJECT ID NO. SQW0000005

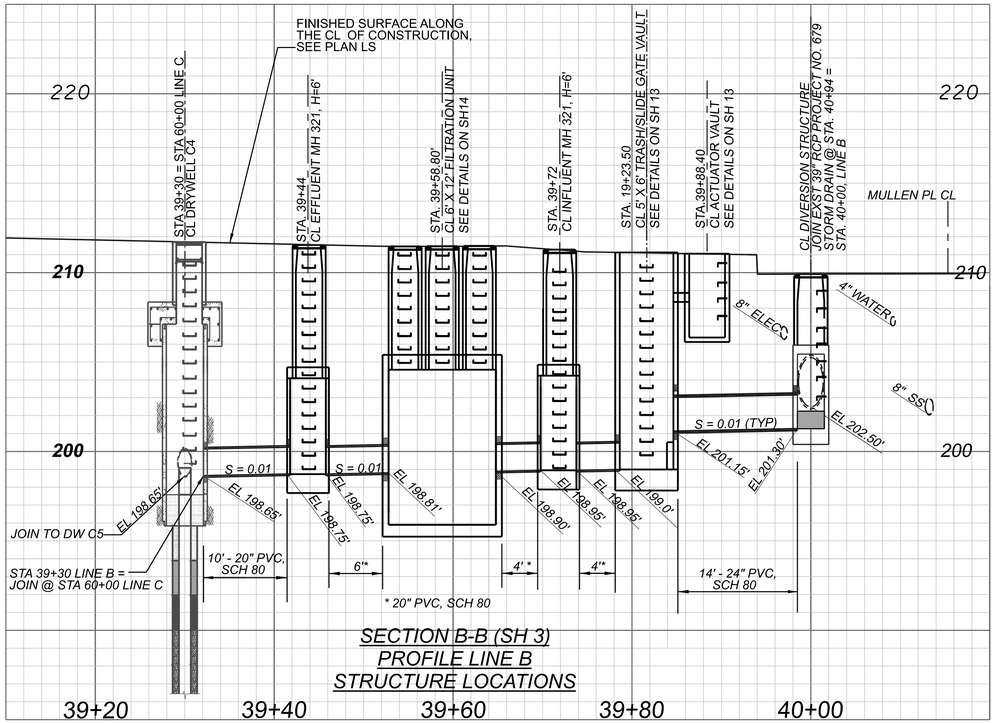
CAPITAL PROJECT NO. CP-69813 | SHEET 5 OF 23

PLAN DR

HOR. 1"= 8'
SCALE: VERT. 1"= 4'



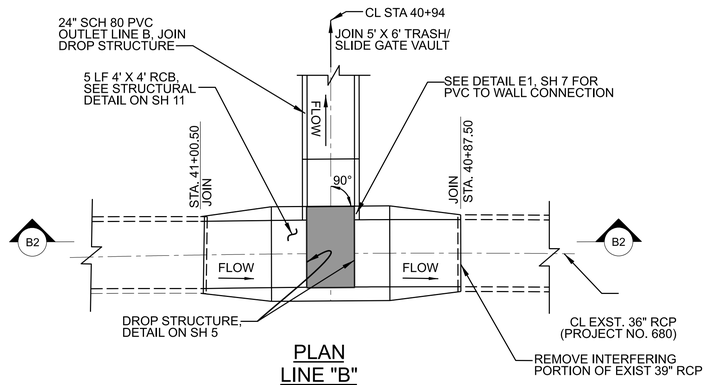
SECTION C-C (SH 3)
PROFILE LINE C
DRYWELL LOCATIONS



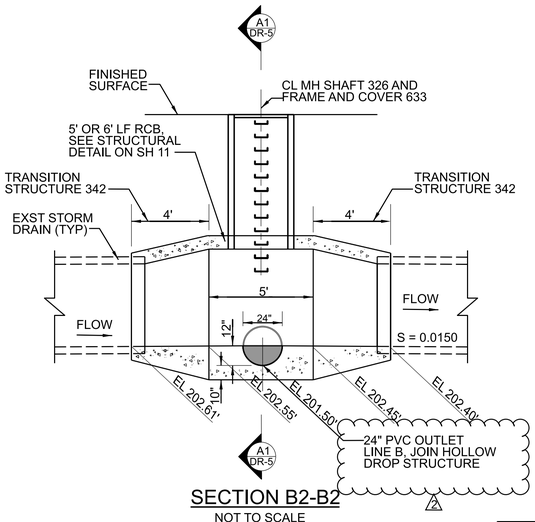
SECTION B-B (SH 3)
PROFILE LINE B
STRUCTURE LOCATIONS

HYDROLOGIC DATA - LINE C

PROJECT FOOTPRINT (ACRES)	DRAINAGE AREA (ACRES)	ACTUAL PROJECT STORAGE CAPACITY (ACRE-FEET)	24- HOUR PROJECT STORAGE CAPACITY (ACRE-FEET)	INFILTRATION WELL DRAWDOWN RATE (CFS)
0.68	126.7	5.65	5.16	0.33



PLAN
LINE "B"
DIVERSION STRUCTURE
NOT TO SCALE



SECTION B2-B2
NOT TO SCALE

CADD PROJECT FILE NAME SQW0000005.DGN
CHECKER R. LUI
DESIGNER N. LASAO
DRAFTER N. LASAO

DATE	MK	DESCRIPTION
1/9/23	N.L.	2 Revise callouts

REVISIONS

REGISTERED PROFESSIONAL ENGINEER — NOLI LASAO — NO. C60956 — CIVIL — STATE OF CALIFORNIA

PROJECT ENGINEER — 08/04/2022 DATE

LOS ANGELES COUNTY PUBLIC WORKS

MONTEITH PARK AND VIEW PARK GREEN ALLEY STORMWATER IMPROVEMENTS

LINE B, LINE C, AND DIVERSION STRUCTURE PROFILES AND DETAILS

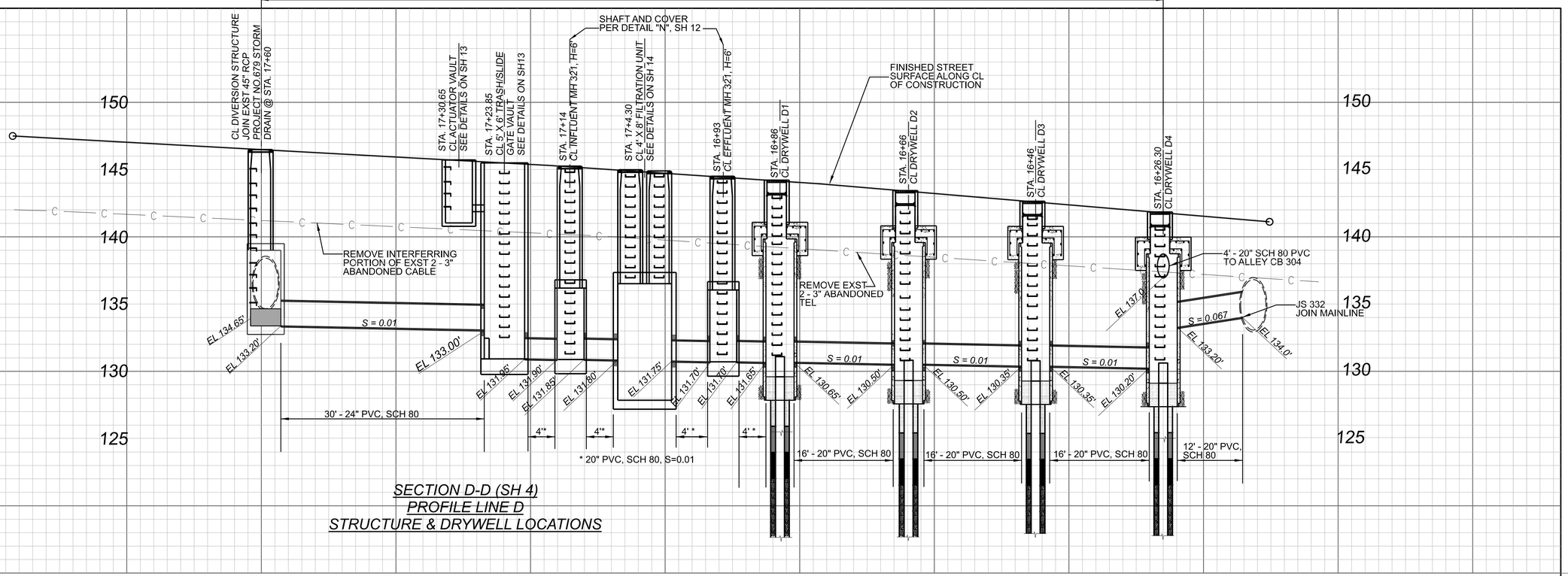
PROJECT ID NO. SQW0000005

CAPITAL PROJECT NO. CP-69813 | SHEET 6 OF 23

DR-6

PLAN DR

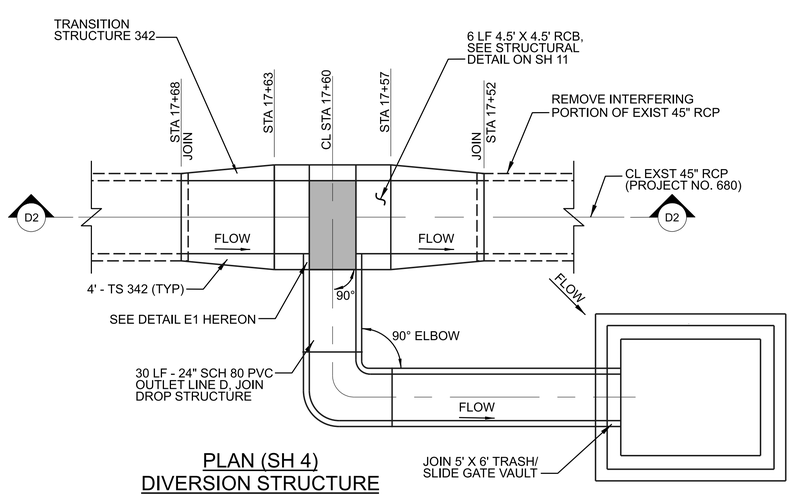
HOR. 1"= 8'
SCALE: VERT. 1"= 4'



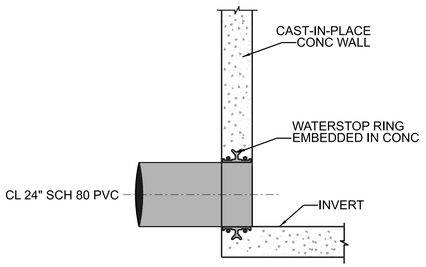
SECTION D-D (SH 4)
PROFILE LINE D
STRUCTURE & DRYWELL LOCATIONS

HYDROLOGIC DATA - LINE D

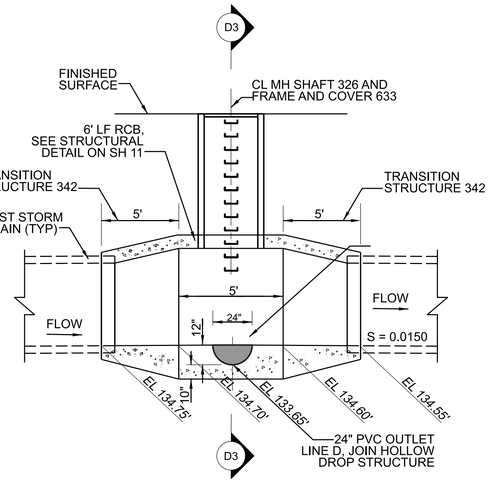
PROJECT FOOTPRINT (ACRES)	DRAINAGE AREA (ACRES)	ACTUAL PROJECT STORAGE CAPACITY (ACRE-FEET)	24- HOUR PROJECT STORAGE CAPACITY (ACRE-FEET)	INFILTRATION WELL DRAWDOWN RATE (CFS)
0.06	40.0	2.76	1.68	0.33



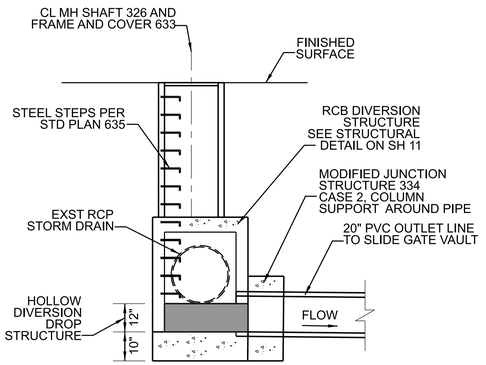
PLAN (SH 4)
DIVERSION STRUCTURE
NOT TO SCALE



DETAIL E1
PVC PIPE TO WALL CONNECTION
CONC MONOLITHIC CONSTRUCTION
NOT TO SCALE



SECTION D2-D2
NOT TO SCALE



SECTION D3-D3
NOT TO SCALE

DRAFTER	DESIGNER	CHECKER	CADD PROJECT FILE NAME
N. LASAO	N. LASAO	R. LUI	SQW0000005.DGN

DATE	MK	DESCRIPTION
		REVISIONS

REGISTERED PROFESSIONAL ENGINEER
NOLI LASAO
NO. C60956
CIVIL
STATE OF CALIFORNIA

PROJECT ENGINEER — 08/04/2022 DATE

DR-7

LOS ANGELES COUNTY PUBLIC WORKS

MONTEITH PARK AND VIEW PARK GREEN ALLEY STORMWATER IMPROVEMENTS

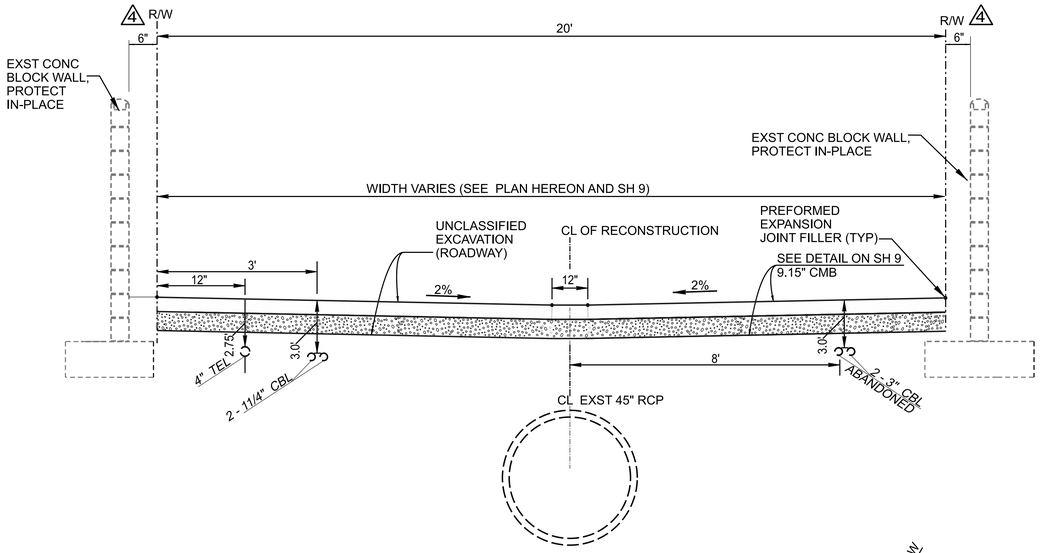
LINE D AND DIVERSION STRUCTURE PROFILE AND DETAILS

PROJECT ID NO. SQW0000005

CAPITAL PROJECT NO. CP-69813 | SHEET 7 OF 23

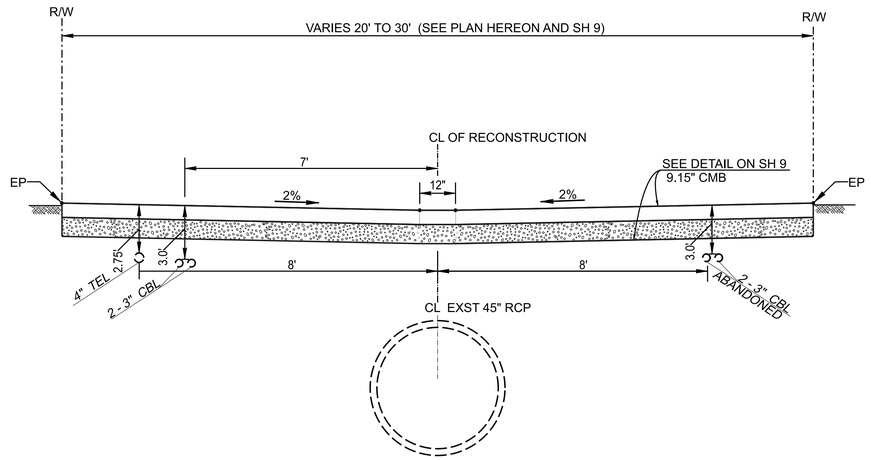
PLAN DR

DATE- 9/13/2022 TIME- 3:42:11 PM FILE-



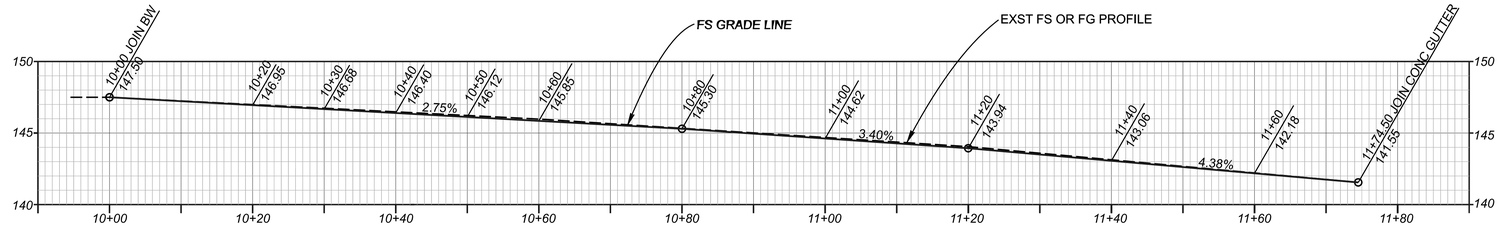
TYPICAL SECTION LOOKING EAST

NTS
STA 10+30.35 TO STA 11+60.77



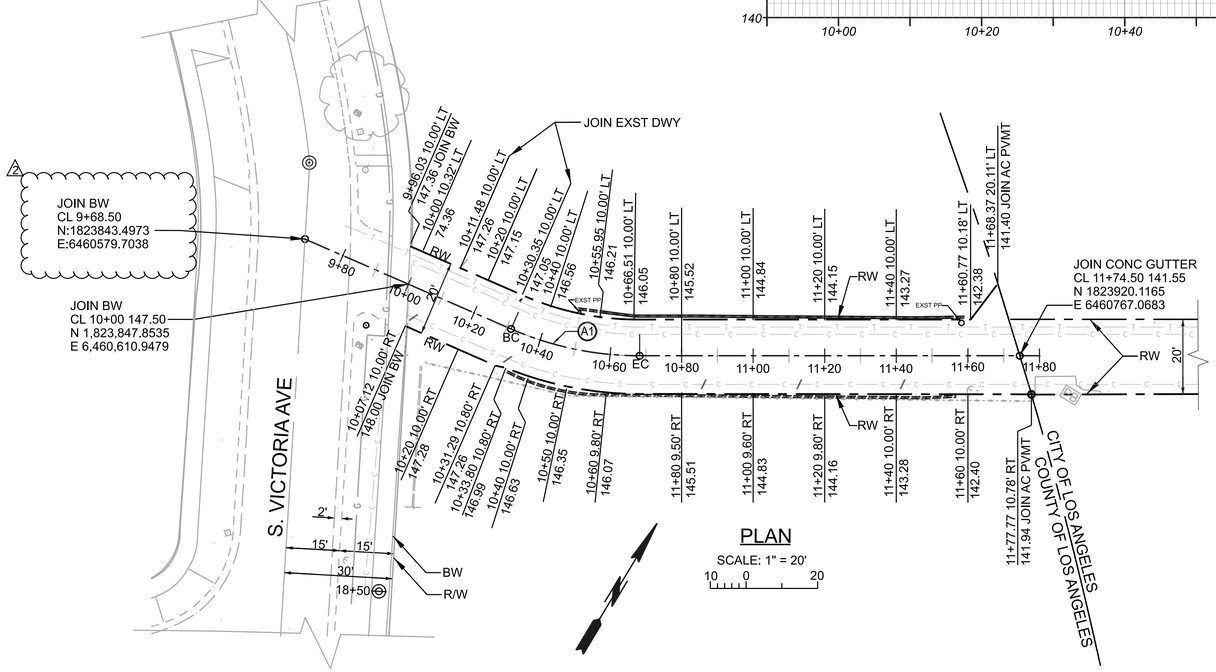
TYPICAL SECTION LOOKING EAST

NTS
STA 10+00 TO STA 10+30.35 AND
STA 11+60.77 TO STA 11+74.50



PROFILE ALONG THE CL OF RECONSTRUCTION

SCALE: 1" = 10' H, 1" = 5' V



PLAN

SCALE: 1" = 20'
10 0 20

UTILITIES
- G — NATURAL GAS
- T — TELECOM (AT&T)
- C — CABLE (CROWN CASTLE)
- C — ABANDONED CABLE (TO BE REMOVED)

BENCHMARK:
VERTICAL DATUM IS NAVD '88
CULVER QUAD 2005 ADJ
CONTROL PT 10002 EL 216.23 R4
CONTROL PT 12 EL 215.19 LP-2

2

CURVE DATA								
CURVE	RADIUS (FT)	CENTRAL ANGLE	LENGTH (FT)	TANGENT (FT)	STATION		POINT OF INTERSECTION	
							NORTHING	EASTING
A1	89.89	23°33'45"	36.97	18.75	10+31.30 BC	10+68.27 EC	1,823,854.7817	6,460,660.5057

BC
N 1,823,852.1881
E 6,460,641.9385

EC
N 1,823,864.5824
E 6,460,676.4936

DR-8

DRAFTER	DESIGNER	CHECKER	CADD PROJECT FILE NAME
N. LASAO	N. LASAO	R. LUI	SWQ0000005.DGN

DATE	MK	DESCRIPTION
11/17/22	N. L.	4 ADDED RIGHT-OF-WAY DIMENSIONS
1/9/23	N.L.	2 Add/Revise survey info

REVISIONS

REGISTERED PROFESSIONAL ENGINEER
NOLI LASAO
NO. C60956
CIVIL
STATE OF CALIFORNIA

PROJECT ENGINEER — 08/04/2022 DATE

LOS ANGELES COUNTY PUBLIC WORKS

MONTEITH PARK AND VIEW PARK GREEN ALLEY STORMWATER IMPROVEMENTS

GREEN ALLEY PAVEMENT RECONSTRUCTION PLAN, PROFILE, AND CROSS SECTIONS

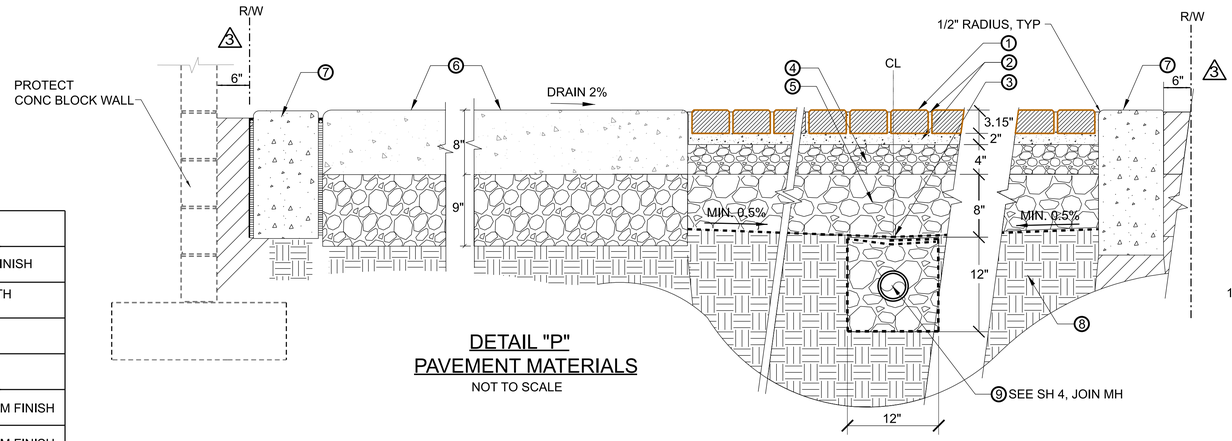
PROJECT ID NO. SWQ0000005

CAPITAL PROJECT NO. CP-69813 | SHEET 8 OF 23

PLAN DR

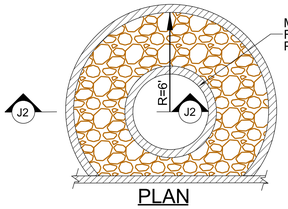
CONSTRUCTION MATERIALS LEGEND

	⑧	COLORED CONCRETE (TYPE 1), SEE DETAIL C, PLAN LS-1.05	DARK GRAY/BROOM FINISH
	⑨	COLORED CONCRETE (TYPE 2), SEE DETAIL C, PLAN LS-1.05	MEDIUM GRAY/SMOOTH TROWEL FINISH
	⑩	PERMEABLE PAVERS	LIGHT BROWN
	⑪	RIVER ROCK IN CONCRETE	GRAY TAN
	①	6" X 12" CONCRETE HEADER (TYPE 1)	NATURAL GRAY/BROOM FINISH
	②	12" X 18" CONCRETE HEADER (TYPE 2)	NATURAL GRAY/BROOM FINISH
	③	GRATING CATCH BASIN - ALLEY (TRANSVERSE), PER STD PLAN 305	2 GRATES - BICYCLE PROOF WELDED STEEL

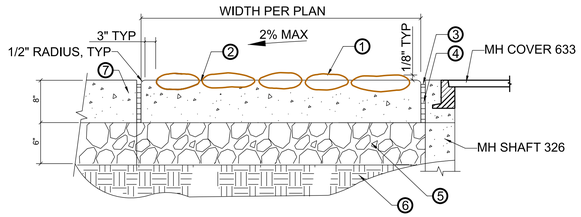


DETAIL "P" PAVEMENT MATERIALS

NOT TO SCALE



PLAN



SECTION J2-J2

LEGEND:

1. CONCRETE UNIT PAVERS (PERMEABLE), REFER TO SPECIAL PROVISIONS. RUNNING BOND PATTERN, LONG SIDE OF UNIT PAVER PARALLEL WITH LONGEST LENGTH OF ABUTTING CURB OR EDGE RESTRAINT PER PLAN, FILL VOID WITH 1/8" WASHED CRUSHED ROCK, CUT PAVERS TO FIT PLAN. MAXIMUM TOLERANCE 1/4" GAP.
2. 1/4" WASHED CRUSHED ROCK SETTING BED AND 1/8" JOINT FILLER GRADED CONCRETE AGGREGATE, PER GREENBOOK TABLE 200-1.2.1 (A).
3. SEPARATION GEOTEXTILE, REFER TO SPECIAL PROVISIONS.
4. NO. 3 CONCRETE AGGREGATE PER GREENBOOK TABLE 200-1.4 (B).
5. NO. 2 CONCRETE AGGREGATE PER GREENBOOK TABLE 200-1.4 (B).
6. COLORED CONCRETE TYPE 1 OR TYPE 2 SEE PLAN LS.
7. CONCRETE HEADER TYPE 1 OR TYPE 2 SEE PLAN LS.
8. SUBGRADE, 95% RELATIVE COMPACTION. MINIMUM 0.5% SLOPE TO SUBDRAIN SYSTEM'
9. SUBRAIN SYSTEM: 4" DIA. HDPE PERFORATED PIPE WHERE SHOWN ON PLAN. WRAP PIPE WITH NO. 2 CONCRETE AGGREGATE ROCK WITH SEPARATION GEOTEXTILE, REFER TO SPECIAL PROVISIONS.

LEGEND;

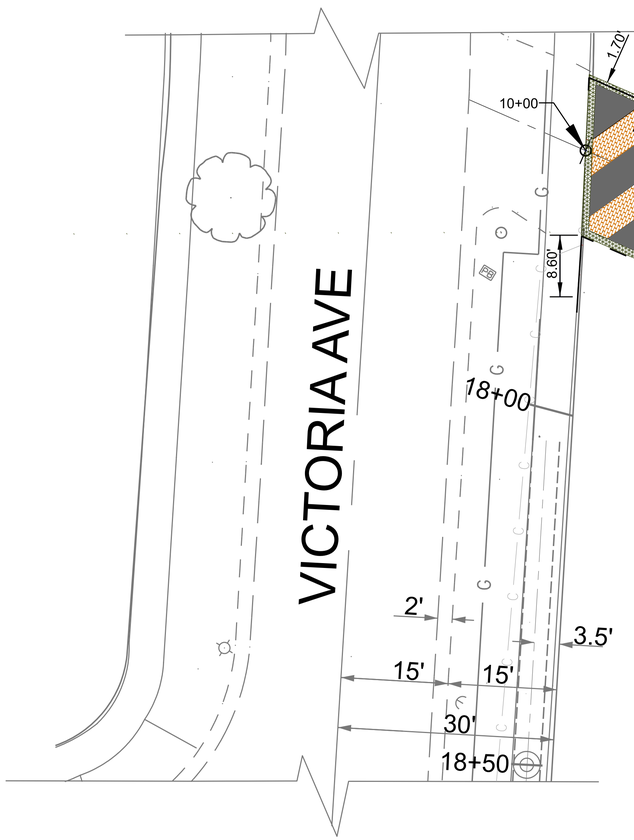
1. RIVER ROCK IN CONCRETE, REFER TO SPECIAL PROVISIONS. SET RIVER ROCK W/ MIN. 50% OF THEIR RESPECTIVE DIA. AND WITH HEIGHT SHOWN ABOVE ADJACENT MATERIAL IN CONCRETE. SMOOTH THE CONCRETE BETWEEN ROCKS WITH A SPONGE/LIGHT BROOM FINISH.
2. CONCRETE (CLASS 560-C-3250). COLOR PER PLAN LS.
3. EXPANSION JOINT. 1/2" THICK ASPHALT IMPREGNATED FIBERBOARD W/ SEALANT TO OCCUR EVERY 10' AND
4. CONTINUE ADJACENT PAVING/CONCRETE. COLOR OF THE SEALANT TO MATCH THE NEW CONCRETE.
5. 6" THICK CRUSHED MISC. BASE
6. COMPACTED SUBGRADE, 95% RELATIVE COMPACTION.
7. ADJACENT PAVING, CURB, WALL, OR STRUCTURE PER PLAN.

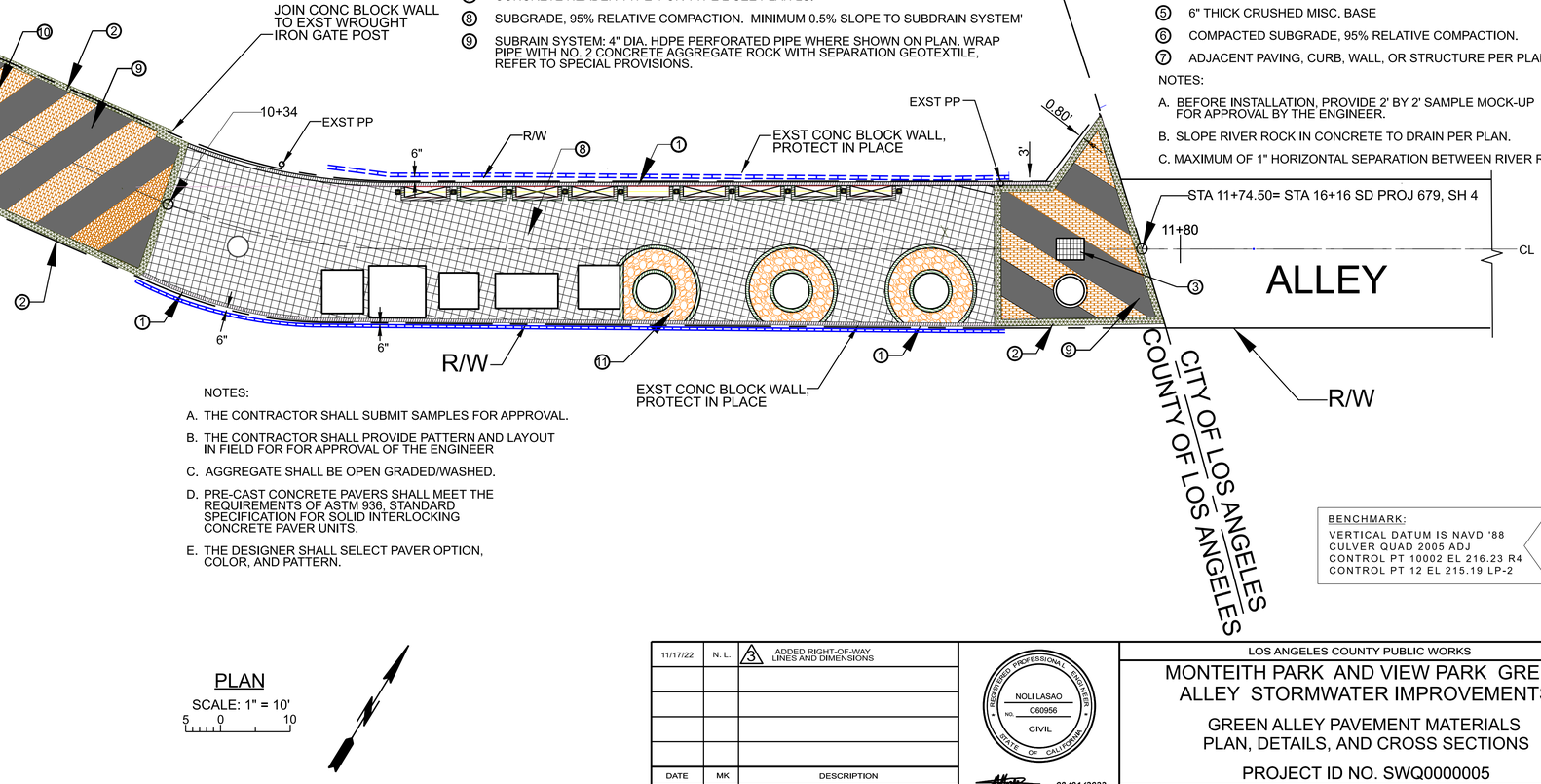
NOTES:

A. BEFORE INSTALLATION, PROVIDE 2' BY 2' SAMPLE MOCK-UP FOR APPROVAL BY THE ENGINEER.

B. SLOPE RIVER ROCK IN CONCRETE TO DRAIN PER PLAN.

C. MAXIMUM OF 1" HORIZONTAL SEPARATION BETWEEN RIVER ROCK.





PLAN

SCALE: 1" = 10'

5 0 10

NOTES:

A. THE CONTRACTOR SHALL SUBMIT SAMPLES FOR APPROVAL.

B. THE CONTRACTOR SHALL PROVIDE PATTERN AND LAYOUT IN FIELD FOR FOR APPROVAL OF THE ENGINEER

C. AGGREGATE SHALL BE OPEN GRADED/WASHED.

D. PRE-CAST CONCRETE PAVERS SHALL MEET THE REQUIREMENTS OF ASTM 936, STANDARD SPECIFICATION FOR SOLID INTERLOCKING CONCRETE PAVER UNITS.

E. THE DESIGNER SHALL SELECT PAVER OPTION, COLOR, AND PATTERN.

BENCHMARK:

VERTICAL DATUM IS NAVD '88
CULVER QUAD 2005 ADJ
CONTROL PT 10002 EL 216.23 R4
CONTROL PT 12 EL 215.19 LP-2

DATE	MK	DESCRIPTION
11/17/22	N. L.	3 ADDED RIGHT-OF-WAY LINES AND DIMENSIONS

REVISIONS

REGISTERED PROFESSIONAL ENGINEER — NOLI LASAO — NO. C60956 — CIVIL — STATE OF CALIFORNIA

PROJECT ENGINEER — 08/04/2022 — DATE

LOS ANGELES COUNTY PUBLIC WORKS

MONTEITH PARK AND VIEW PARK GREEN ALLEY STORMWATER IMPROVEMENTS

GREEN ALLEY PAVEMENT MATERIALS PLAN, DETAILS, AND CROSS SECTIONS

PROJECT ID NO. SWQ0000005

CAPITAL PROJECT NO. CP-69813 | LACFCD INDEX NO. 275-679-D4.3 | SHEET 9 OF 23

DR-9

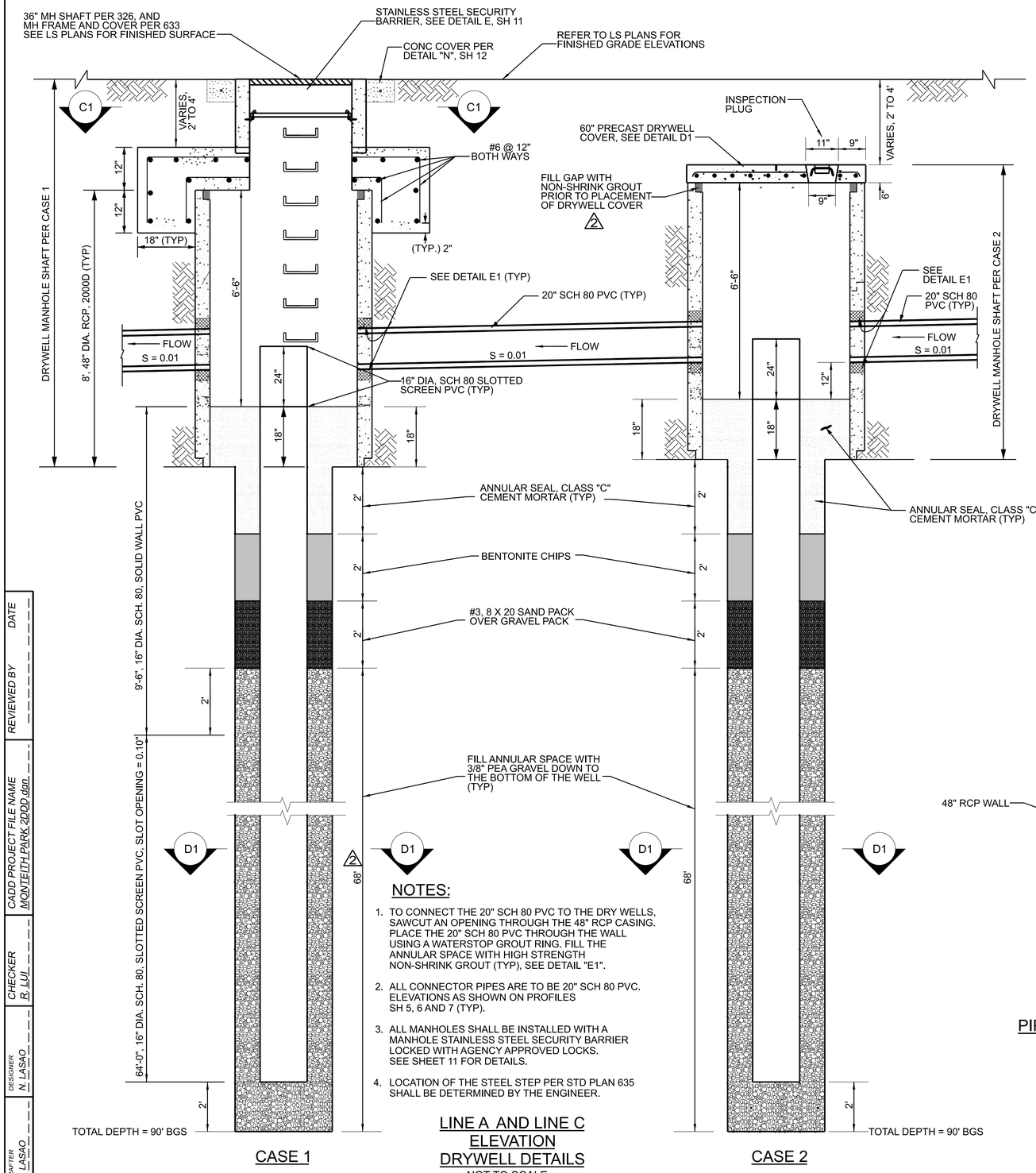
PLAN DR

CADD PROJECT FILE NAME SWQ0000005_DGN

CHECKER R. LUI

DESIGNER N. LASAO

DRAFTER N. LASAO



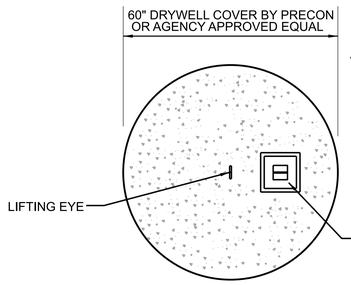
NOTES:

1. TO CONNECT THE 20" SCH 80 PVC TO THE DRY WELLS, SAWCUT AN OPENING THROUGH THE 48" RCP CASING. PLACE THE 20" SCH 80 PVC THROUGH THE WALL USING A WATERSTOP GROUT RING. FILL THE ANNULAR SPACE WITH HIGH STRENGTH NON-SHRINK GROUT (TYP), SEE DETAIL "E1".
2. ALL CONNECTOR PIPES ARE TO BE 20" SCH 80 PVC. ELEVATIONS AS SHOWN ON PROFILES SH 5, 6 AND 7 (TYP).
3. ALL MANHOLES SHALL BE INSTALLED WITH A MANHOLE STAINLESS STEEL SECURITY BARRIER LOCKED WITH AGENCY APPROVED LOCKS. SEE SHEET 11 FOR DETAILS.
4. LOCATION OF THE STEEL STEP PER STD PLAN 635 SHALL BE DETERMINED BY THE ENGINEER.

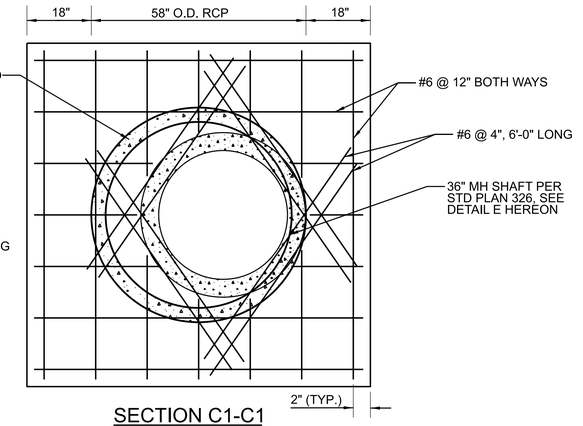
LINE A AND LINE C
ELEVATION
DRYWELL DETAILS
NOT TO SCALE

CASE 1

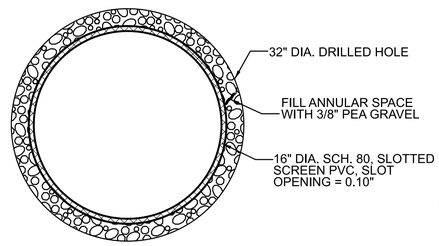
CASE 2



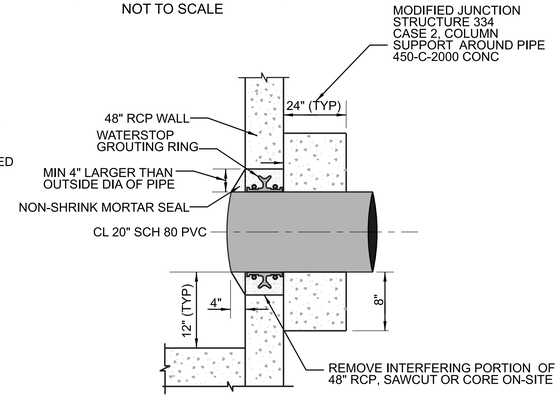
DETAIL D1
60" PRECAST BELOW GRADE
DRYWELL PIT COVER DETAIL
NOT TO SCALE



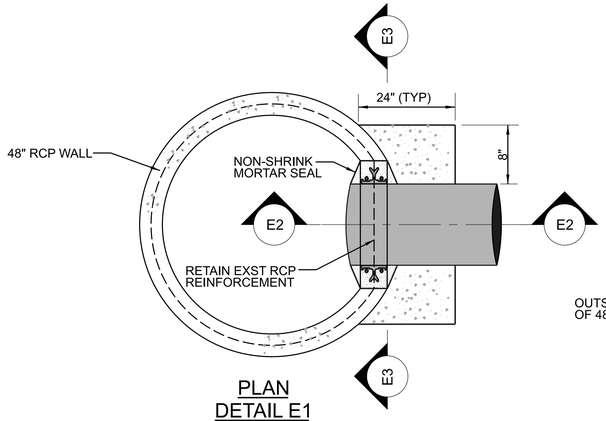
SECTION C1-C1
DRYWELL COVER CASE 1
(DRYWELL B1, B2, B3, D7 & F15)
NOT TO SCALE



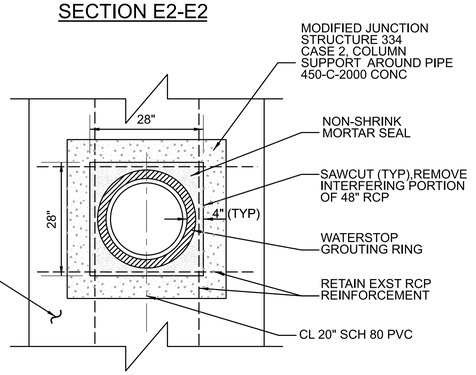
SECTION D1-D1
16" SCH. 80 SLOTTED SCREEN
PVC DRYWELL CASING
NOT TO SCALE



SECTION E2-E2



PLAN
DETAIL E1
PIPE TO DRYWELL CONNECTION
NOT TO SCALE



SECTION E3-E3

DR-10

DATE	MK	DESCRIPTION
11/17/22	N. L.	2 CHANGED DEPTH FROM 78' TO 68', CHANGED LABEL

REVISIONS

REGISTERED PROFESSIONAL ENGINEER — NOLI LASAO — NO. C60956 — CIVIL — STATE OF CALIFORNIA

PROJECT ENGINEER — 08/04/2022 — DATE

LOS ANGELES COUNTY PUBLIC WORKS

MONTEITH PARK AND VIEW PARK GREEN ALLEY STORMWATER IMPROVEMENTS

LINE A AND LINE C DRYWELLS
ELEVATION AND DETAILS

PROJECT ID NO. SQW0000005

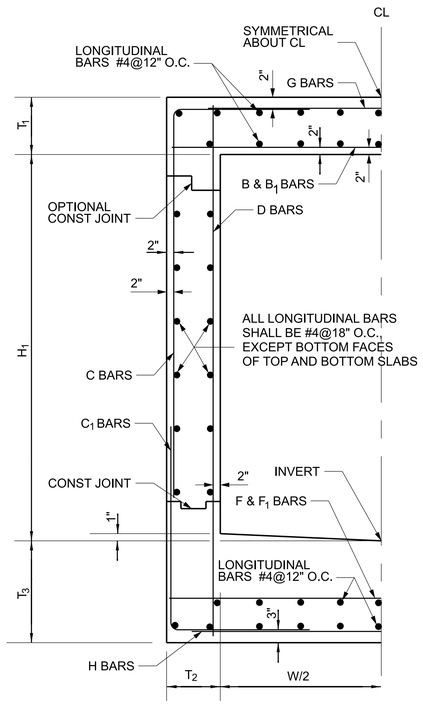
CAPITAL PROJECT NO. CP-69813 | LACFCD INDEX NO. 275-679-D4.3 | SHEET 10 OF 23

DRAFTER N. LASAO | DESIGNER N. LASAO | CHECKER R. LUI | CADD PROJECT FILE NAME MONTEITH PARK 2DDD.dgn | REVIEWED BY | DATE

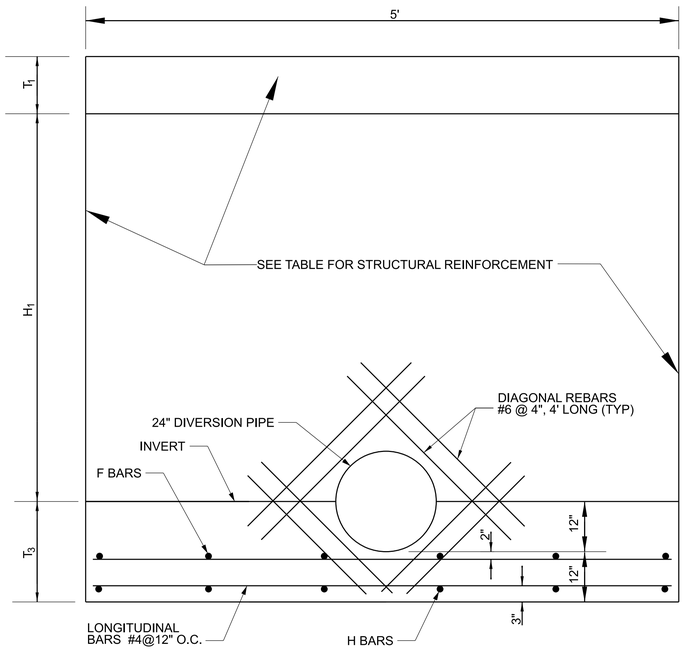
PLAN DR

DATE: 11/22/2022 TIME: 1:55:35 PM FILE: F:\Projects\2122017\Projects\Projects 2\MONTEITH PARK\MicroStation\MicroStation 9\Monteith Park PROFILES PRINT 8.01_2022.dgn

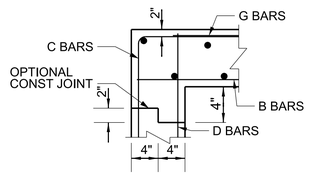
STRUCTURAL VALUES				
LOCATION		LINE B	LINE A	LINE D
DESIGN COVER		6'	6'	8
WIDTH	W	4'	7.5'	4.5'
HEIGHT	H_1	4'	4	4.5'
TOP SLAB THICKNESS	T_1	8"	8"	8"
SIDE WALL THICKNESS	T_2	8"	8"	8"
BOTTOM SLAB THICKNESS	T_3	24"	24"	24"
CONCRETE COVER (3" MIN)	Y	3"	3"	3"
B BARS	BAR NO. & SPACING	5 @ 15"	5 @ 12"	5 @ 12"
	LENGTH	5 ft	8.5 ft	5.5 ft
B_1 BARS	BAR NO. & SPACING			
	LENGTH			
C BARS	BAR NO. & SPACING	5 @ 15"	5 @ 12"	5 @ 12"
	HOR. LENGTH	1.4 ft	1.4ft	1.9 ft
	VERT. LENGTH	3.5 ft	3.5ft	4.0 ft
C_1 BARS	BAR NO. & SPACING	5 @ 15"	5 @ 15"	5 @ 15"
	HOR. LENGTH	1.2 ft	1.2 ft	1.5 ft
	VERT. LENGTH	4.75 ft	4.7 ft	5.25 ft
D BARS	BAR NO. & SPACING	5 @ 15"	5 @ 15'	5 @ 12"
	LENGTH	6.0 ft	6.0 ft	6.5 ft
F BARS	BAR NO. & SPACING	5 @ 15"	5 @ 15"	5 @ 15"
	LENGTH	5 ft	8.5 ft	5.5 ft
F_1 BARS	BAR NO. & SPACING			
	LENGTH			
G BARS	BAR NO. & SPACING	5 @ 15"	5 @ 12"	5 @ 12"
	LENGTH	5 ft	8.5 ft	5.5 ft
H BARS	BAR NO. & SPACING	5 @ 15"	5 @ 12"	5 @ 12"
	LENGTH	5 ft	5 ft	5.5 ft



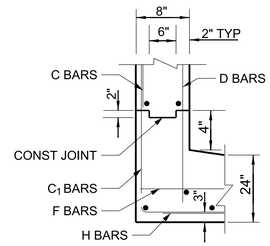
DIVERSION STRUCTURE
STRUCTURAL DETAIL
NOT TO SCALE



ELEVATION
DIVERSION STRUCTURE
NOT TO SCALE



TOP OF WALL
NO SCALE

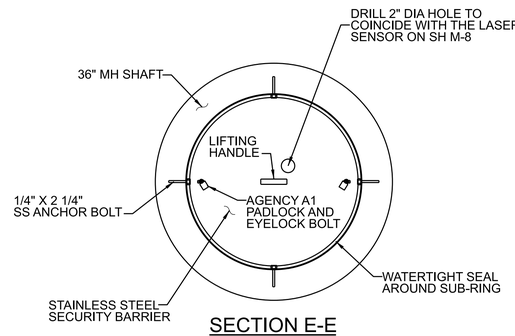


BASE OF WALL
NO SCALE

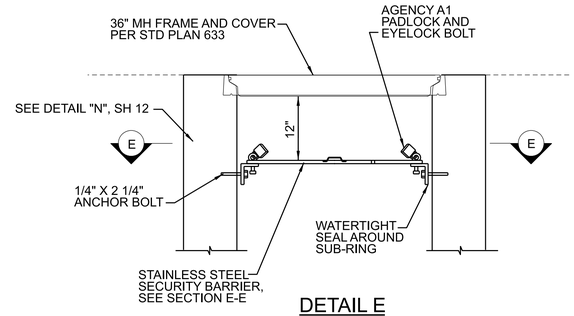
LONGITUDINAL CONSTRUCTION JOINT DETAILS

STRUCTURAL NOTES

1. DIMENSIONS FROM FACE OF CONCRETE TO STEEL ARE CLEAR DISTANCE BETWEEN FACE OF CONCRETE AND FACE OF REINFORCEMENT.
2. CONCRETE DIMENSIONS SHALL BE MEASURED HORIZONTALLY OR VERTICALLY ON THE PROFILE, AND PARALLEL TO OR AT RIGHT ANGLES (OR RADIALLY) TO CENTERLINE OF CONDUIT ON THE PLAN EXCEPT AS OTHERWISE SHOWN.
3. ALL BAR BENDS AND HOOKS SHALL CONFORM TO THE AMERICAN CONCRETE INSTITUTE'S "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (ACI 318)," LATEST EDITION, SECTION 7.2.
4. TRANSVERSE CONSTRUCTION JOINTS IN WALLS AND SLABS SHALL BE IN THE SAME PLANE. NO STAGGERING OF JOINTS WILL BE PERMITTED. TRANSVERSE CONSTRUCTION JOINTS SHALL BE NORMAL OR RADIAL TO THE CENTERLINE OF CONSTRUCTION.
5. THE TRANSVERSE REINFORCING BARS SHALL TERMINATE ONE AND ONE-HALF INCHES FROM THE CONCRETE SURFACES UNLESS OTHERWISE SHOWN ON THE STRUCTURAL DETAILS.
6. EXPOSED SURFACES OF CONCRETE MEMBERS SHALL BE ROUNDED OR BEVELED.
7. NO SPLICES IN TRANSVERSE BARS REINFORCEMENT WILL BE PERMITTED OTHER THAN SHOWN ON THE PLAN WITHOUT APPROVAL OF THE ENGINEER. NO MORE THAN TWO SPLICES WILL BE PERMITTED IN ANY LONGITUDINAL BAR BETWEEN TRANSVERSE JOINTS. SPLICES SHALL BE STAGGERED.
8. LONGITUDINAL BARS SHALL BE LAPPED 20 BAR DIAMETERS AT SPLICES. TRANSVERSE BARS SHALL BE LAPPED 30 BAR DIAMETERS AT SPLICES.
9. LONGITUDINAL BARS SHALL BE CONTINUOUS AND EXTEND THROUGH ALL CONSTRUCTION JOINTS.
10. UNLESS OTHERWISE SHOWN ON THE PLANS, TRANSVERSE CONSTRUCTION JOINTS (IN BOTH SLABS AND WALLS) SHALL BE PLACED AT THE END OF EACH POUR, BUT THE SPACING THEREOF SHALL NOT BE LESS THAN 10 FEET.
11. AT THE BEGINNING AND ENDING OF ALL POURS, A CURTAIN OF REINFORCEMENT COMPOSED OF B, C, C1, D, F, F1, G, AND H BARS SHALL BE PLACED THREE INCHES FROM THE TRANSVERSE CONSTRUCTION JOINT.
12. D BARS MAY BE SPLICED 20 BAR DIAMETERS AT THE LOWER LONGITUDINAL CONSTRUCTION JOINT, AT CONTRACTOR'S OPTION.
13. IN ALL SECTIONS LAP C AND C1 BARS, THE VERTICAL LENGTH OF C AND C1 HAS BEEN CALCULATED FOR A FOUR-INCH STARTER WALL. IF THE HEIGHT OF THE STARTER WALL IS VARIED, THE VERTICAL LENGTH OF THE C AND C1 BARS SHALL BE VARIED CORRESPONDINGLY SO AS TO MAINTAIN A 30 DIAMETER LAP BETWEEN THE TWO BARS. THE LAPS SHALL BE BASED ON THE SMALLER BARS.
14. CONCRETE QUANTITIES ARE BASED ON A SIX-BY-SIX INCH FILLET AND STEEL QUANTITIES DO NOT INCLUDE ANY OPTIONAL SPLICES.
15. GROUT BETWEEN ANY CUT SURFACES WITHIN THE STORM DRAIN TO PREVENT WATER FROM SEEPING IN-BETWEEN THE CONNECTIONS.



SECTION E-E
NOT TO SCALE



DETAIL E
DRYWELL, INFLUENT, AND EFFLUENT MANHOLE SECURITY BARRIER
NOT TO SCALE

STRUCTURAL DESIGN CRITERIA

LACFCD STRUCTURAL DESIGN MANUAL

DATED APRIL 1982 + 2000 UPDATES

LIVE LOAD

HS 20-44 UNLESS OTHERWISE NOTED

DEAD LOAD

EARTH LOAD: w= 120 PCF
Ku=Ku'=0.150
Bd=OUTSIDE WIDTH OF BOX PLUS 3 FEET
SIDE EARTH ACTIVE = 37 PCF
INTERNAL WATER PRESSURE: 62.4 PSF PER FOOT OF DEPTH
WEIGHT OF CONCRETE: 150 PCF

ALLOWABLE STRESSES

F'c=4000 PSI AT 28 DAYS

Fy =60,000 PSI

SHEAR AND BOND STRESSES PER THE LATEST EDITION OF ACI 318

DR-11

DATE	MK	DESCRIPTION

REVISIONS

REGISTERED PROFESSIONAL ENGINEER — NOLI LASAO — NO. C60956 — CIVIL — STATE OF CALIFORNIA

PROJECT ENGINEER — 08/04/2022 DATE

LOS ANGELES COUNTY PUBLIC WORKS

MONTEITH PARK AND VIEW PARK GREEN ALLEY STORMWATER IMPROVEMENTS

DIVERSION STRUCTURES
STRUCTURAL DETAILS AND SECTIONS

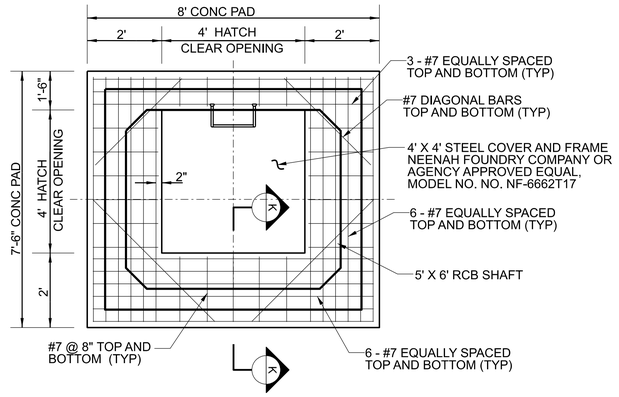
PROJECT ID NO. SWQ0000005

CAPITAL PROJECT NO. CP-69813 | SHEET 11 OF 23

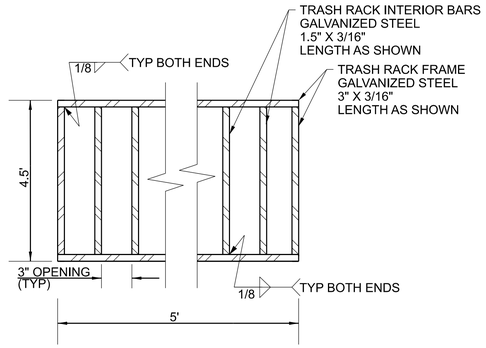
PLAN DR

DRAFTER N. LASAO
DESIGNER N. LASAO
CHECKER R. LUI
CADD PROJECT FILE NAME SWQ0000005.DGN

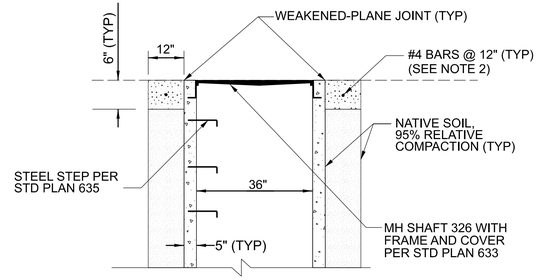
F:\Projects\2122017\Projects\Projects 2\MONTEITH PARK\MicroStation\MicroStation 9\Monteith Park PROFILES PRINT 8_01_2022.dgn



DETAIL M (SH 13)
REINFORCEMENT FOR COVER OF
TRASH/SLIDE GATE MANHOLE
NOT TO SCALE

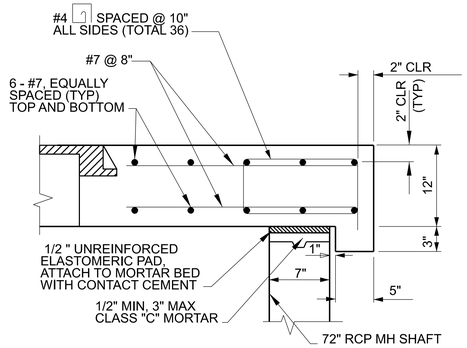


TRASH RACK ASSEMBLY DETAIL (SH 13)
NOT TO SCALE

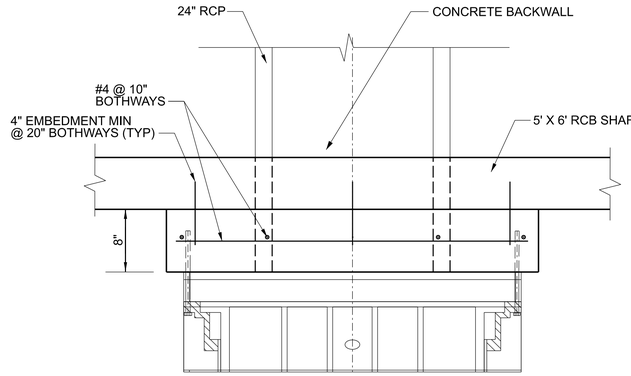


SECTION N-N
NOT TO SCALE

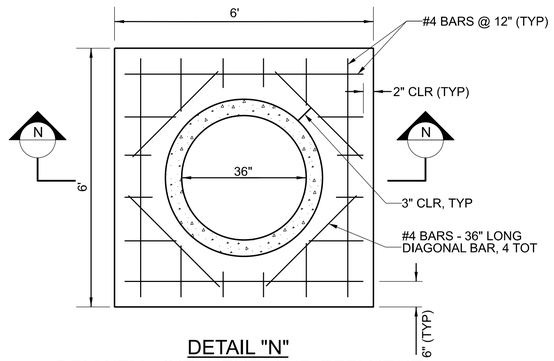
1. LOCATION OF THE STEEL STEP PER STD PLAN 635 SHALL BE DETERMINED BY THE ENGINEER.
2. CONCRETE CAP IS APPLICABLE FOR THE LOCATIONS SHOWN ON SH 5, 6, AND 7.



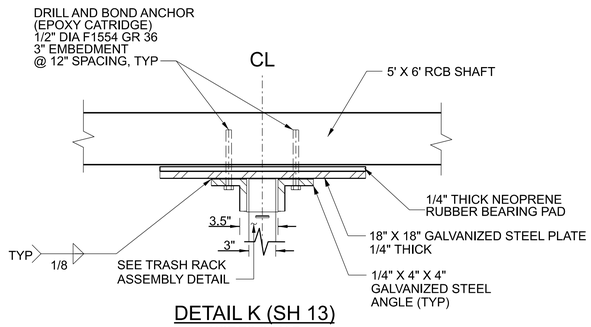
SECTION K-K
NOT TO SCALE



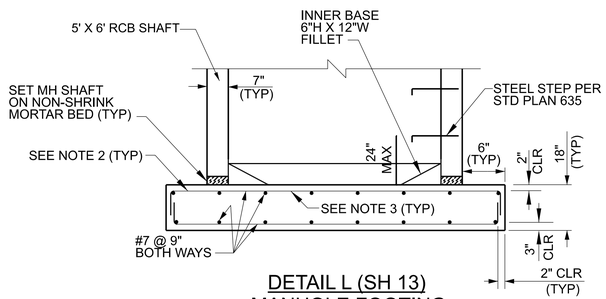
SECTION L-L (SH 13)
CONCRETE BACK WALL
AND THIMBLE PLACEMENT
NOT TO SCALE



DETAIL "N"
DRYWELL, INFLUENT, AND EFFLUENT
MONITORING MH CONC COVER DETAIL
NOT TO SCALE



DETAIL K (SH 13)
NOT TO SCALE



DETAIL L (SH 13)
MANHOLE FOOTING
NOT TO SCALE

1. APPLICABLE FOR ALL MANHOLES THAT INCLUDE 5' X 6' RCB SHAFT
2. MODIFY REBAR LAYOUT TO ACCOMMODATE PIPE CONNECTIONS.
3. MODIFY REBAR LAYOUT TO ACCOMMODATE BOX-OUTS FOR TRASH/SLIDE GATE MANHOLES.

DRAFTER N. LASAO
DESIGNER N. LASAO
CHECKER R. LUI
CADD PROJECT FILE NAME SWQ0000005.DGN

DATE	MK	DESCRIPTION

REVISIONS

REGISTERED PROFESSIONAL ENGINEER
NOLI LASAO
NO. C60956
CIVIL
STATE OF CALIFORNIA

PROJECT ENGINEER 08/04/2022 DATE

DR-12

LOS ANGELES COUNTY PUBLIC WORKS

MONTEITH PARK AND VIEW PARK GREEN ALLEY STORMWATER IMPROVEMENTS

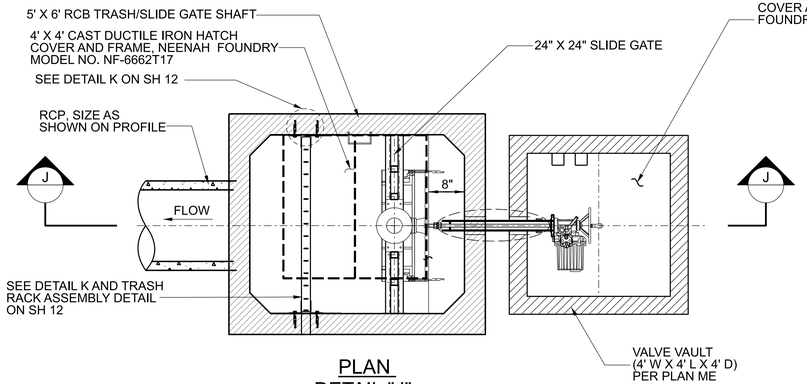
TRASH AND SLIDE GATE AND DIVERSION STRUCTURE STRUCTURAL DETAILS AND SECTIONS

PROJECT ID NO. SWQ0000005

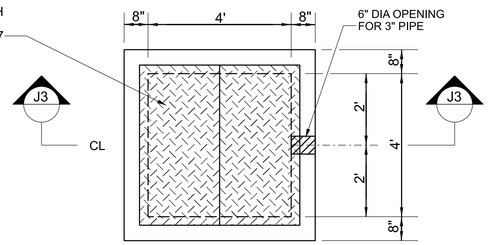
CAPITAL PROJECT NO. CP-69813 | SHEET 12 OF 23

PLAN DR

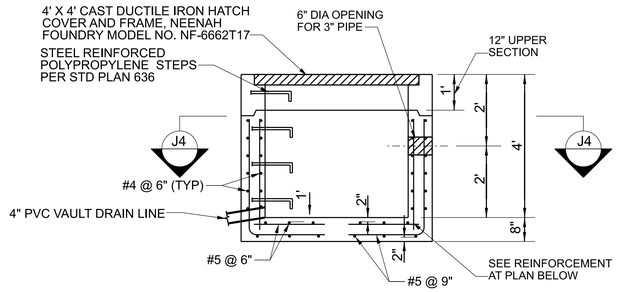
$FILE$



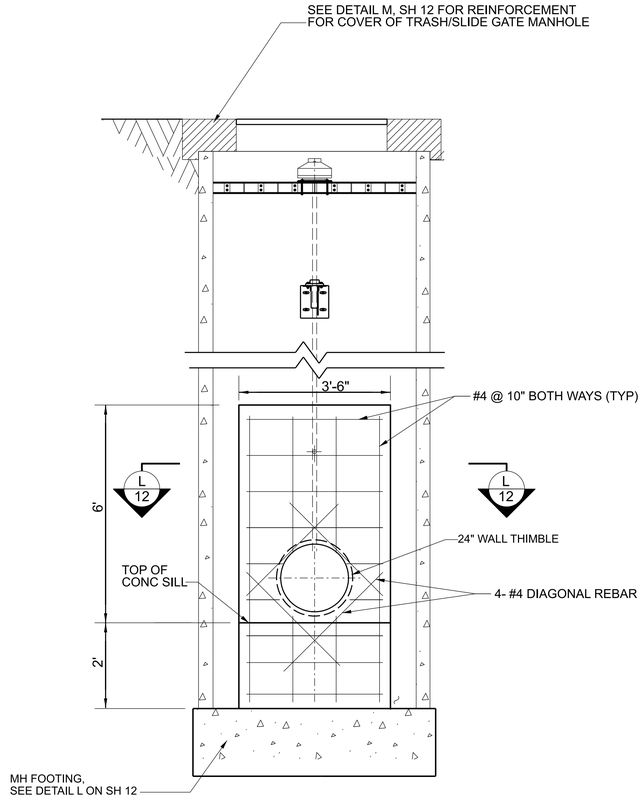
PLAN
DETAIL "J"
TRASH/SLIDE GATE VAULT
NOT TO SCALE



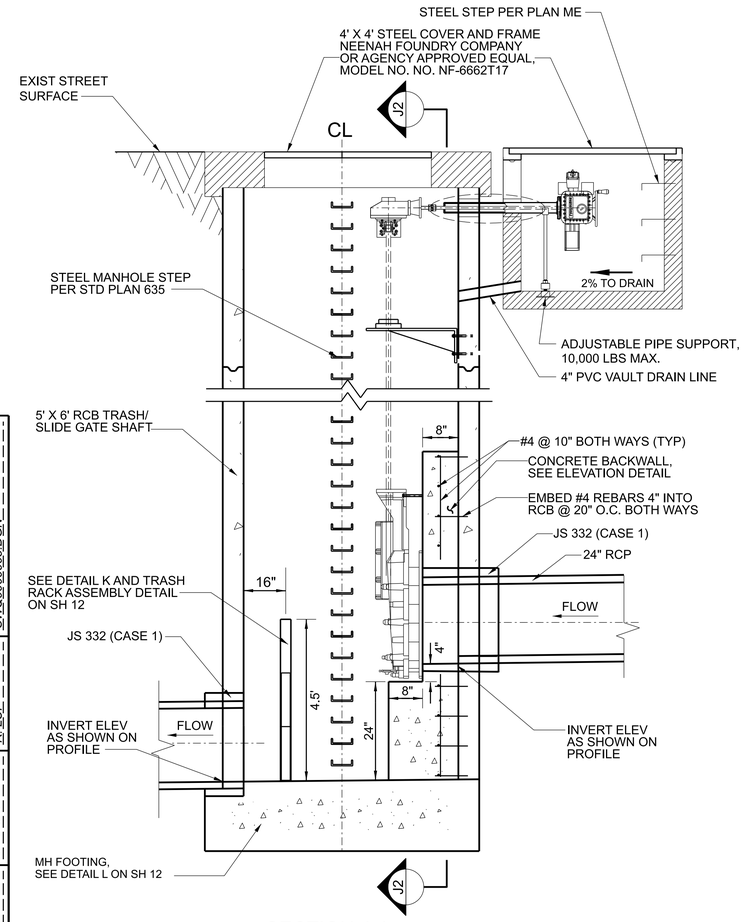
PLAN
ACTUATOR VAULT
NOT TO SCALE



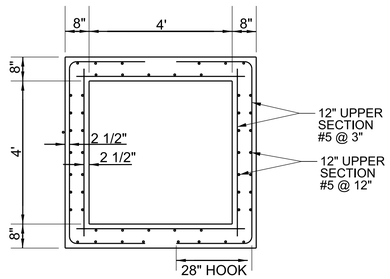
SECTION J3-J3
NOT TO SCALE



SECTION J2-J2
NOT TO SCALE
TYPICAL AT ALL LOCATIONS WITH SLIDE GATE.



SECTION J-J
NOT TO SCALE



SECTION J4-J4
REINFORCEMENT
FOR WALL SECTION
NOT TO SCALE

DR-13

DATE	MK	DESCRIPTION

REVISIONS

REGISTERED PROFESSIONAL ENGINEER
NOLI LASAO
NO. C60956
CIVIL
STATE OF CALIFORNIA

PROJECT ENGINEER — 08/04/2022 DATE

LOS ANGELES COUNTY PUBLIC WORKS

MONTEITH PARK AND VIEW PARK GREEN ALLEY STORMWATER IMPROVEMENTS

TRASH/SLIDE GATE AND ACTUATOR VAULTS
PLAN, DETAILS, AND CROSS SECTIONS

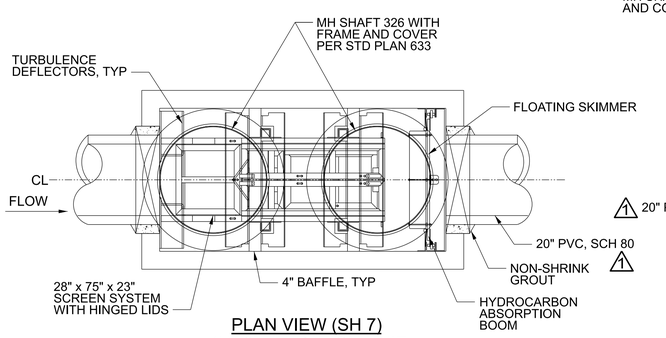
PROJECT ID NO. SWQ0000005

CAPITAL PROJECT NO. CP-69813 | SHEET 13 OF 23

PLAN DR

CADD PROJECT FILE NAME SWQ0000005.DGN
CHECKER R. LUI
DESIGNER N. LASAO
DRAFTER N. LASAO

F:\Projects\21220117\Projects\Projects 2\MONTEITH PARK\MicroStation\MicroStation 9\Monteith Park PROFILES PRINT 8_01_2022.dgn

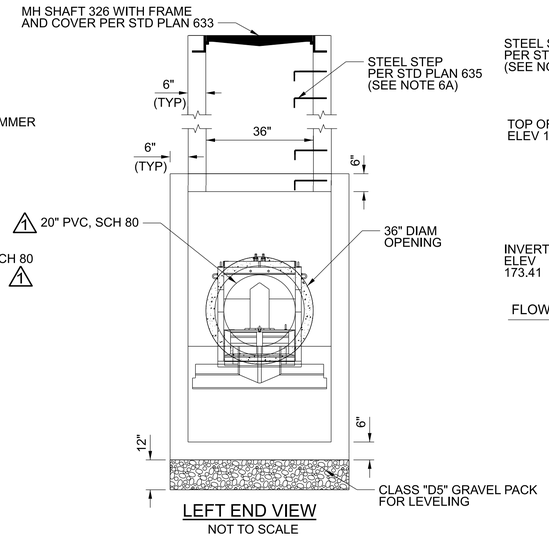


PLAN VIEW (SH 7)
4' X 8' FILTRATION UNIT

NOT TO SCALE

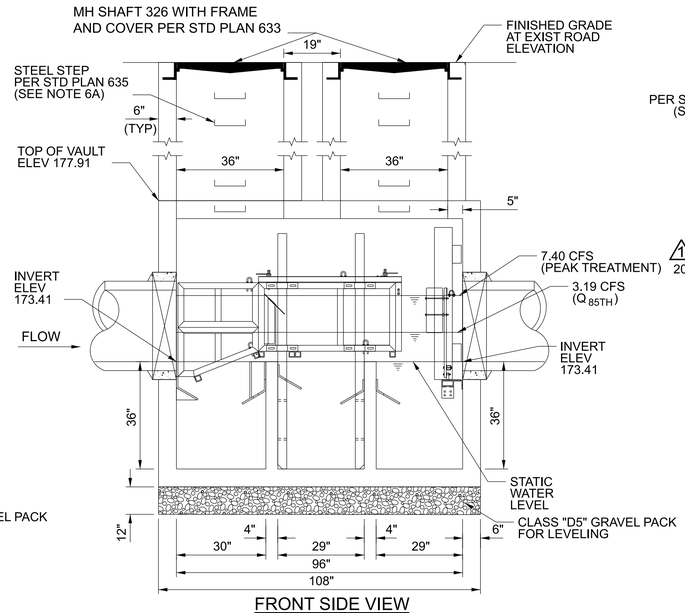
TREATMENT SPECIFICATIONS

1.	INFLOW PIPE AREA (DRAWN AS 18" RCP)	1.77 SF
2.	PEAK TREATMENT FLOW	7.40 CFS
3.	SCREEN SYSTEM STORAGE VOLUME (MIN)	21.2 CF
4.	TOTAL SEDIMENT VOLUME (MIN)	70.0 CF



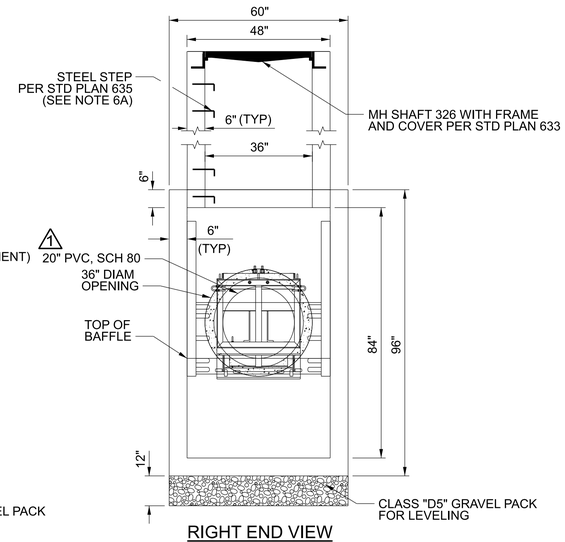
LEFT END VIEW

NOT TO SCALE



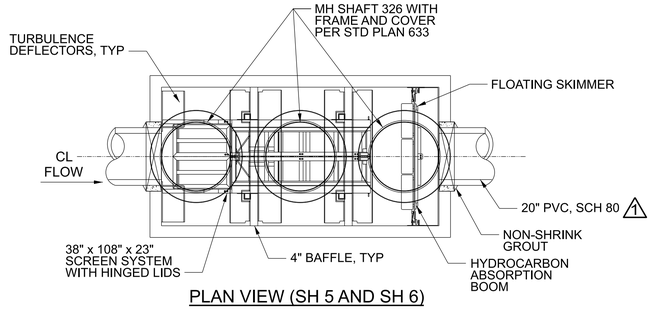
FRONT SIDE VIEW

NOT TO SCALE



RIGHT END VIEW

NOT TO SCALE



PLAN VIEW (SH 5 AND SH 6)
6' X 12' FILTRATION UNIT

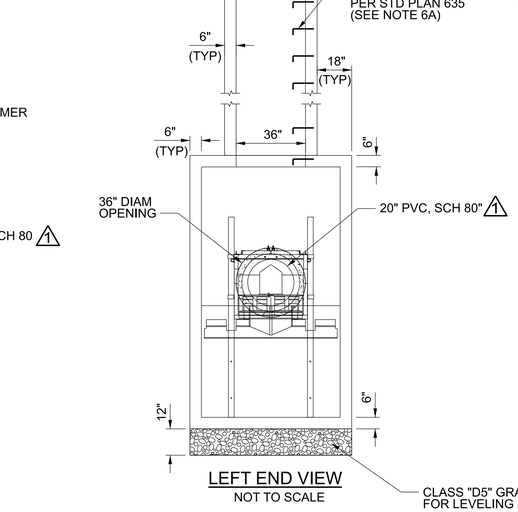
NOT TO SCALE

TREATMENT SPECIFICATIONS

1.	INFLOW PIPE AREA (DRAWN AS 20" PVC, SCH 80)	3.14 SF
2.	PEAK TREATMENT FLOW	16.0 CFS
3.	SCREEN SYSTEM STORAGE VOLUME (MIN)	54.6 CF
4.	TOTAL SEDIMENT VOLUME (MIN)	329 CF

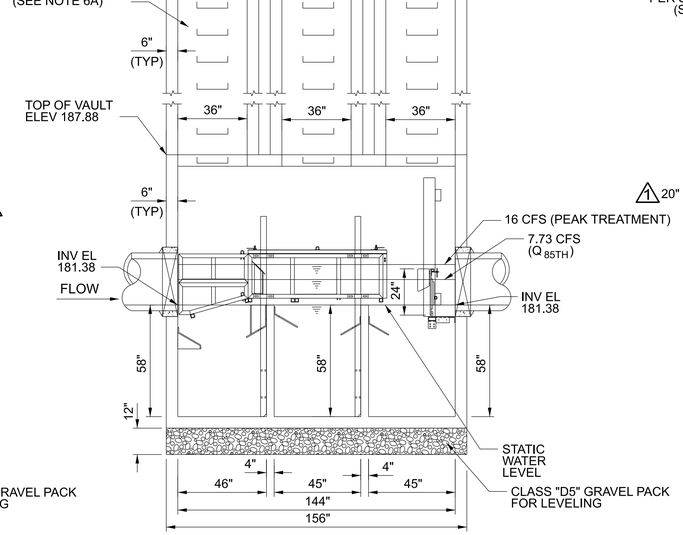
CONSTRUCTION NOTES

1. CONCRETE 28 DAYS COMPRESSIVE STRENGTH, F'c = 5,000 PSI
2. REINFORCING: ASTM A-615 GRADE 60
3. SUPPORTS AN H20 LOADING AS INDICATED BY AASHTO
4. JOINT SEALANT: BUTYL RUBBER SS-S-00210
5. ALL WALLS (TOP, BOTTOM, EXTERIOR SIDE) TO BE 6" THICK CONCRETE.



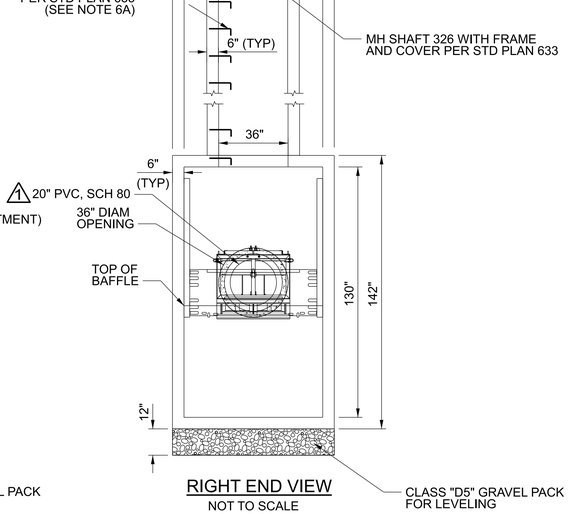
LEFT END VIEW

NOT TO SCALE



FRONT SIDE VIEW

NOT TO SCALE



RIGHT END VIEW

NOT TO SCALE

INSTALLATION NOTES

1A. INFLOW AND OUTFLOW PIPES ARE TO BE FLUSH WITH THE INSIDE SURFACE OF THE CONCRETE STRUCTURE. CANNOT INTRUDE BEYOND FLUSH.
2A. INFLOW AND OUTFLOW PIPE CONNECTIONS TO CONCRETE WALLS SHALL BE PER DETAIL "E", SH. DR-10.
3A. BAFFLES WILL BE SEALED TO THE WALLS AND FLOOR WITH GROUT.
4A. INVERT OF OUTFLOW PIPE SHALL BE EVEN WITH THE TOP OF THE BAFFLES.
5A. THE BOTTOM OF THE SKIMMER SHALL BE 6" BELOW THE INVERT OF THE OUTLFOW PIPE.
6A. INVERT OF THE INFLOW PIPE SHALL NOT BE BELOW THE INVERT OF THE OUTFLOW PIPE.
7A. THE ENGINEER SHALL DETERMINE THE SIDE OF THE MANHOLE SHAFT WHERE STEPS SHALL BE INSTALLED.

DR-14

DATE	MK	DESCRIPTION
11/17/22	N. L.	1 CHANGED INFLOW AND OUTFLOW PIPE FROM 24" RCP TO 20" PVC

REVISIONS

REGISTERED PROFESSIONAL ENGINEER — NOLI LASAO — NO. C60956 — CIVIL — STATE OF CALIFORNIA

PROJECT ENGINEER — 08/04/2022 DATE

LOS ANGELES COUNTY PUBLIC WORKS

MONTEITH PARK AND VIEW PARK GREEN ALLEY STORMWATER IMPROVEMENTS

FILTRATION UNIT PLAN, DETAILS AND CROSS SECTIONS

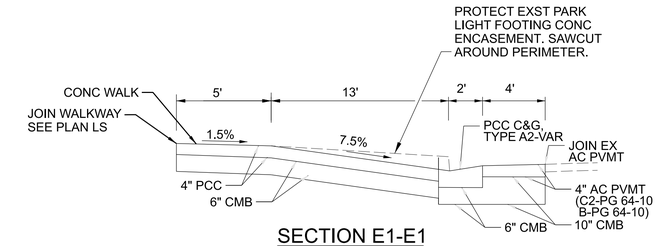
PROJECT ID NO. SWQ0000005

CAPITAL PROJECT NO. CP-69813 | LACFCD INDEX NO. 275-679-D4.3 | SHEET 14 OF 23

PLAN DR

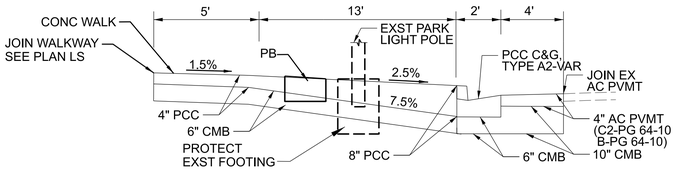
CADD PROJECT FILE NAME SWQ0000005.DGN
CHECKER R. LUI
DESIGNER N. LASAO
DRAFTER N. LASAO

F:\Projects\21220017\Projects\Projects 2\MONTEITH PARK\MicroStation\MicroStation 9\Monteith Park PROFILES PRINT 8_01_2022.dgn

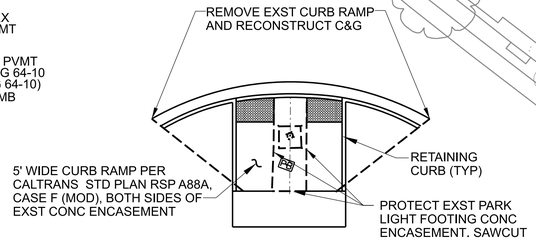


SECTION E1-E1
CURB RAMP E1
NTS

CURB RAMP PER CALTRANS STD PLAN RSP A88A, CASE F (MOD)

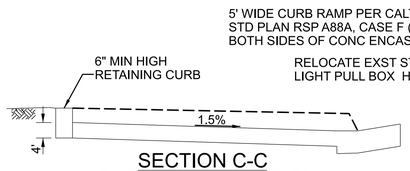


DETAIL "D"
TYPICAL SECTION
NTS

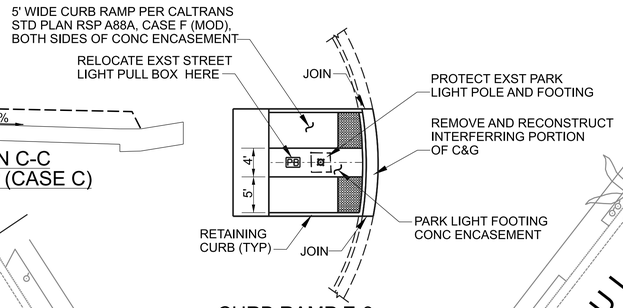


CURB RAMP E1
NTS

LEGEND	DESCRIPTION OF WORK
#	REMOVE/ABANDON EXISTING
+	PROTECT IN PLACE EXISTING UTILITIES AND STRUCTURES
⊕	PROTECT IN PLACE EXISTING TREES



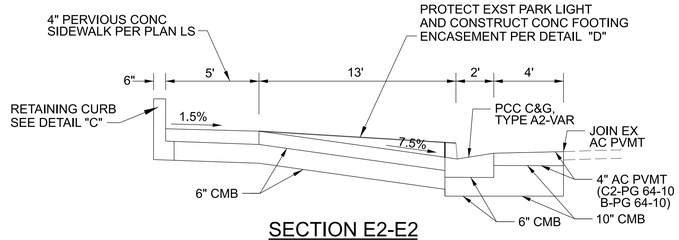
SECTION C-C
CURB RAMP (CASE C)
NTS



CURB RAMP E-3
TYPICAL PARK LIGHT
CONC FOOTING ENCASEMENT
NTS

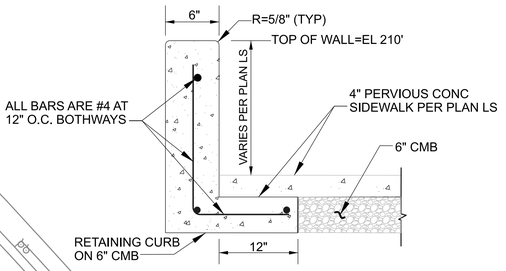
DEMOLITION NOTE:

THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND COORDINATE WITH DEPARTMENT OF PARKS AND RECREATION (DPR) PROJECT MANAGER WITHIN (2) WEEKS OF THE ISSUE OF NTP 2 FOR ON-SITE REVIEW AND SALVAGE OF EXISTING ITEMS SUCH AS (BUT NOT LIMITED TO) TRASH RECEPTACLES, BENCHES, PICNIC TABLES, ETC). THESE ITEMS SHALL REMOVED AND TURNED OVER TO THE DPR PROJECT MANAGER.



SECTION E2-E2
CURB RAMP E2
NTS

CURB RAMP PER CALTRANS STD PLAN RSP A88A, CASE B (MOD)



DETAIL "C"
RETAINING CURB
NTS

NOTE:
PROVIDE EXPANSION JOINT EVERY 15' AND WEAKENED PLANE JOINT EVERY 7.5', TYPICAL

MONTEITH PARK
GENERAL PLAN
SCALE: 1" = 20'

10 0 20 40

CONSTRUCTION NOTES:

REPLACE AND VERTICALLY ADJUST OR RELOCATE STREET LIGHTING PULL BOXES AFFECTED BY CURB RAMP AND SIDEWALK CONSTRUCTION. PAYMENT WILL BE MADE AT THE CONTRACT UNIT PRICE FOR NO.6 PULL BOX INCLUDING PCC COVER.

DR-15

DATE	MK	DESCRIPTION
1/9/23	N.L.	2 Add survey info

REVISIONS

REGISTERED PROFESSIONAL ENGINEER — NOLI LASAO — NO. C60956 — CIVIL — STATE OF CALIFORNIA

PROJECT ENGINEER — 08/04/2022 DATE

LOS ANGELES COUNTY PUBLIC WORKS

MONTEITH PARK AND VIEW PARK GREEN ALLEY STORMWATER IMPROVEMENTS

MONTEITH PARK
CURB RAMPS AND DEMOLITION PLAN

PROJECT ID NO. SWQ0000005

CAPITAL PROJECT NO. CP-69813 | SHEET 15 OF 23

CADD PROJECT FILE NAME SQW0000005.DGN
CHECKER R. LUI
DESIGNER N. LASAO
DRAFTER N. LASAO

PLAN DR

CONSTRUCTION LEGEND

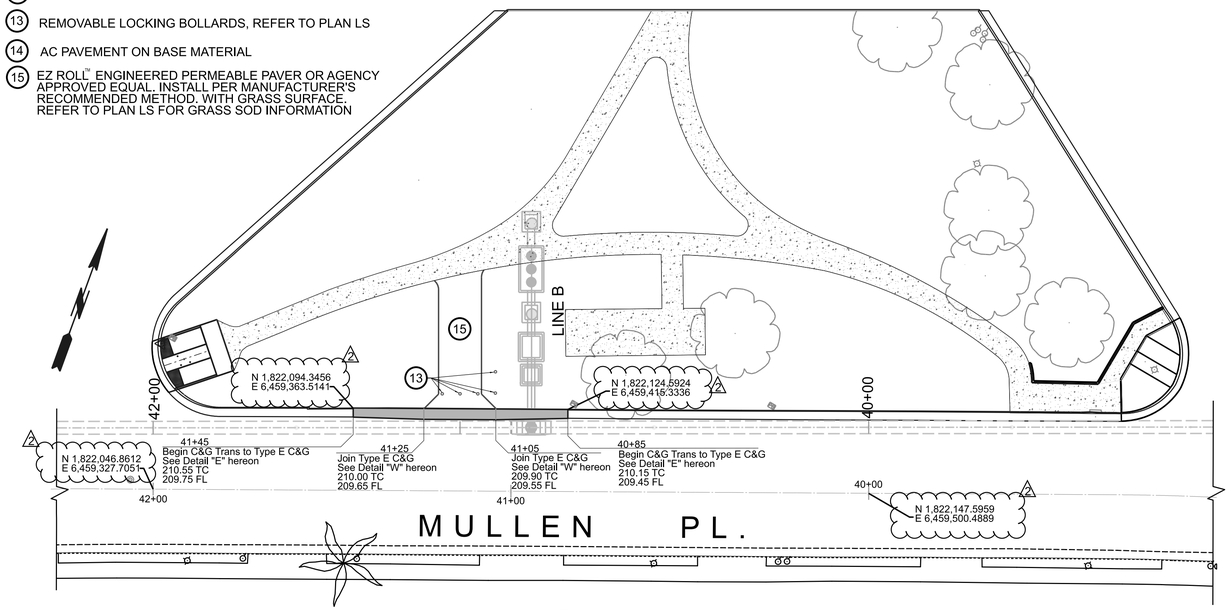
(11) PCC CURB AND GUTTER PER STANDARD PLAN 120-2

(12) PCC CURB PER CALTRANS STANDARD PLAN A87A, TYPE E

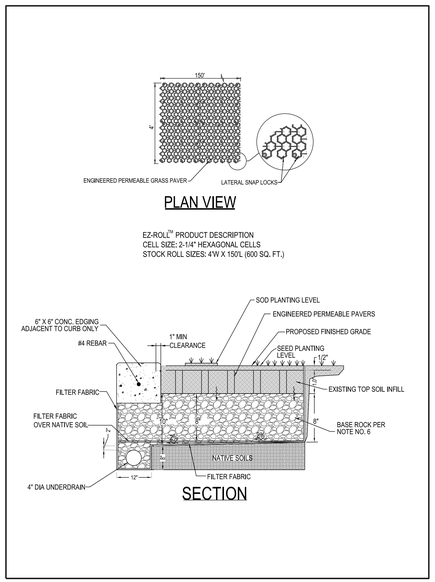
(13) REMOVABLE LOCKING BOLLARDS, REFER TO PLAN LS

(14) AC PAVEMENT ON BASE MATERIAL

(15) EZ ROLL™ ENGINEERED PERMEABLE PAVER OR AGENCY APPROVED EQUAL. INSTALL PER MANUFACTURER'S RECOMMENDED METHOD. WITH GRASS SURFACE. REFER TO PLAN LS FOR GRASS SOD INFORMATION



PLAN
DRIVEWAY, CURB & GUTTER
SCALE: 1" = 20'



NOTES:

ENGINEERING PROPERTIES:

1. COMPRESSIVE STRENGTH OF ENGINEERED PERMEABLPAVERS:
   EMPTY PAVERS: ULTIMATE LOAD = 53,683 LBS / 373 PSI
   FILLED PAVERS: ULTIMATE LOAD = 400,000 LBS

TOP SOIL FILL:

3. NDS RECOMMENDS EXISTING TOP SOIL FOR BACKFILL INSIDE THE PAVERS.
4. EXTEND TOP SOIL INSIDE PAVER AN ADDITIONAL ½ INCH ABOVE PAVER SURFACE AND MATCH SURROUNDING GRADE. PROPOSED FINISHED GRADE SLOPE PER PROJECT GRADING PLAN. PROTECT PAVER AREA UNTIL GRASS IS SUFFICIENTLY ESTABLISHED TO HANDLE TRAFFIC. PROVIDE 1" (MIN.) CLEARANCE BETWEEN ANY CONCRETE EDGE AND PAVER.
5. GRASS PAVERS ARE TO BE USED FOR AREAS OF PEDESTRIAN USE, EROSION CONTROL, AND OCCASIONAL VEHICULAR TRAFFIC USE (E.G., OVERFLOW PARKING AND EMERGENCY/FIRE LANES).

BASE ROCK:

6. GRADED CONCRETE AGGREGATE NO.2 BASE PER GREENBOOK TABLE 200-1.4 (B) AT 85% RELATIVE COMPACTION. ADD PULVERIZED EXISTING TOP SOIL EQUAL TO 15% OF TOTAL VOLUME. BLEND TO OBTAIN HOMOGENEOUS MIXTURE PRIOR TO PLACEMENT (REFER TO PLAN LS).
7. THICKNESS OF AGGREGATE LAYER IS 8 INCHES.
8. COMPACT WITH ONE TO THREE PASSES OF 5-TON STEEL WHEEL ROLLER. SINCE IT IS DIFFICULT TO MEASURE DENSITY OF COARSE AGGREGATE, APPROACH OF REQUIRING A FIXED DENSITY IS NOT APPLICABLE.

FILTER FABRIC:

9. FILTER FABRIC SHALL BE USED TO PREVENT MIGRATION OF FINES FROM SURROUNDING NATIVE SOILS INTO COARSE AGGREGATE LAYER, THE FABRIC PREVENTS CLOGGING OF AGGREGATE LAYER AND EXTENDS ITS USEFUL LIFE. USE OF FILTER FABRIC IS STRONGLY RECOMMENDED AROUND EDGE DRAIN.
10. NDS RECOMMENDS NON-WOVEN NEEDLE-PUNCHED GEOTEXTILE. WOVEN GEOTEXTILES SHOULD NOT BE USED.
11. USE FILTER FABRIC WITH AOS <0.60 MM FOR NATIVE SOILS WITH 50% OR LESS PARTICLES BY WEIGHT PASSING NO.200 SIEVE. USE FILTER FABRIC WITH AOS <0.30MM FOR NATIVE SOILS WITH 50% OR GREATER PARTICLES BY WEIGHT PASSING THE NO.200 SIEVE.

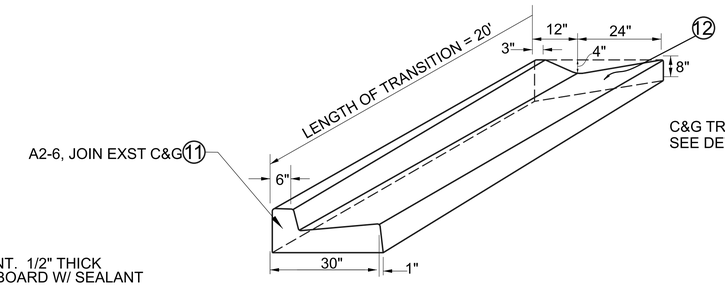
UNDERDRAIN:

12. NDS RECOMMENDS UNDERDRAIN TO COLLECT PERCOLATED WATER AND CONVEY TO PROJECT STORMWATER FACILITY FOR NATIVE SOIL THAT IS NRCS HYDROLOGIC SOIL GROUP C OR D (LOW PERCOLATION RATE). UNDERDRAIN IS OPTIONAL FOR SOIL GROUP B (MODERATE INFILTRATION) AND CAN BE ELIMINATED FOR SOIL GROUP A (GOOD INFILTRATION).
13. USE MINIMUM 4-INCH DIA PERFORATED PVC OR POLYETHYLENE PIPE AS SHOWN ON PLAN LS. PIPE TO BE INSTALLED AT MINIMUM 0.5% SLOPE. RECOMMENDED 2 SQ. INCHES OF OPENING / LINEAR FOOT.
14. UNDERDRAIN TO DAYLIGHT INTO PROJECT STORMWATER FACILITY AS SHOWN ON PLAN LS.
15. INVERT OF PIPE RECOMMENDED TO BE ABOVE PROJECT HIGH WATER LEVEL TO PREVENT BACKING-UP OF WATER INTO PAVER SYSTEM.
16. UNDERDRAIN SHALL BE SURROUNDED WITH MIN. 2" BEDDING GRADED CONCRETE AGGREGATE NO.2 BASE PER GREENBOOK TABLE 200-1.4 (B) AT 85% RELATIVE COMPACTION.

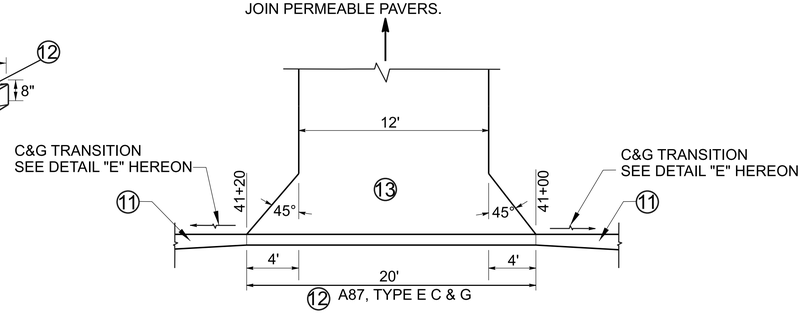
SUBGRADE SOIL:

17. COMPACT SUBGRADE SOILS TO 95% STANDARD PROCTOR DENSITY PER ASTM D696 FOR SOILS WITH CALIFORNIA BEARING RATIO >20%, R VALUE >30, AASHTO A-1, A-2, AND A-3 SOILS.
18. NDS RECOMMENDS THAT ENGINEER-OF-RECORD CONSIDER HIGHER LEVEL OF COMPACTION FOR CBR 5 TO 20%, R-VALUE 10 TO 30, AASHTO A-4 SOILS FOR HEAVY LOADS WHERE INFILTRATION INTO SUBGRADE SOILS IS NOT A REQUIREMENT.
19. NDS RECOMMENDS THAT ENGINEER-OF-RECORD CONSULT WITH PROJECT GEOTECHNICAL ENGINEER FOR POTENTIAL SOIL MODIFICATION (E.G., LIME TREATMENT) AND COMPACTION LEVEL FOR CBR <5% AND R-VALUE <10, AASHTO A-5, A-6, AND A-7 SOILS.

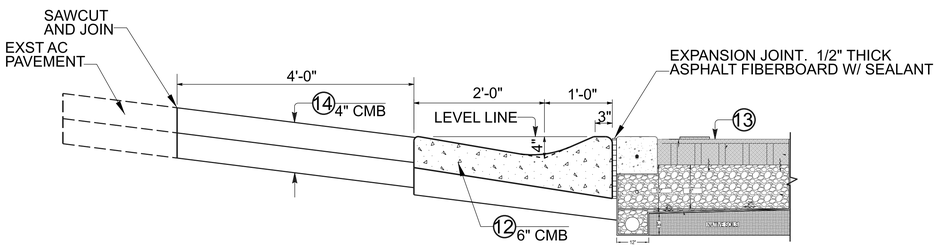
EZ ROLL ENGINEERED PERMEABLE PAVER OR AGENCY APPROVED EQUAL. INSTALL PER MANUFACTURER'S RECOMMENDED METHOD. SUBMIT SHOP DRAWINGS FOR APPROVAL JOIN PERMEABLE PAVERS.



DETAIL "E"
C&G TO ROLLED C&G TRANSITION
NOT TO SCALE



PLAN
DETAIL W
ENGINEERED PERMEABLE PAVER
WITH GRASS SURFACE AND TYPE E CURB
NOT TO SCALE



SECTION
TYPICAL DRIVEWAY, CURB AND GUTTER DETAIL
NOT TO SCALE

CADD PROJECT FILE NAME SQW0000005.DGN
CHECKER R. LUI
DESIGNER N. LASAO
DRAFTER N. LASAO

DR-16

DATE	MK	DESCRIPTION
1/9/23	N.L.	2 Add survey info

REVISIONS

REGISTERED PROFESSIONAL ENGINEER — NOLI LASAO — NO. C60956 — CIVIL — STATE OF CALIFORNIA

PROJECT ENGINEER — 08/04/2022 DATE

LOS ANGELES COUNTY PUBLIC WORKS

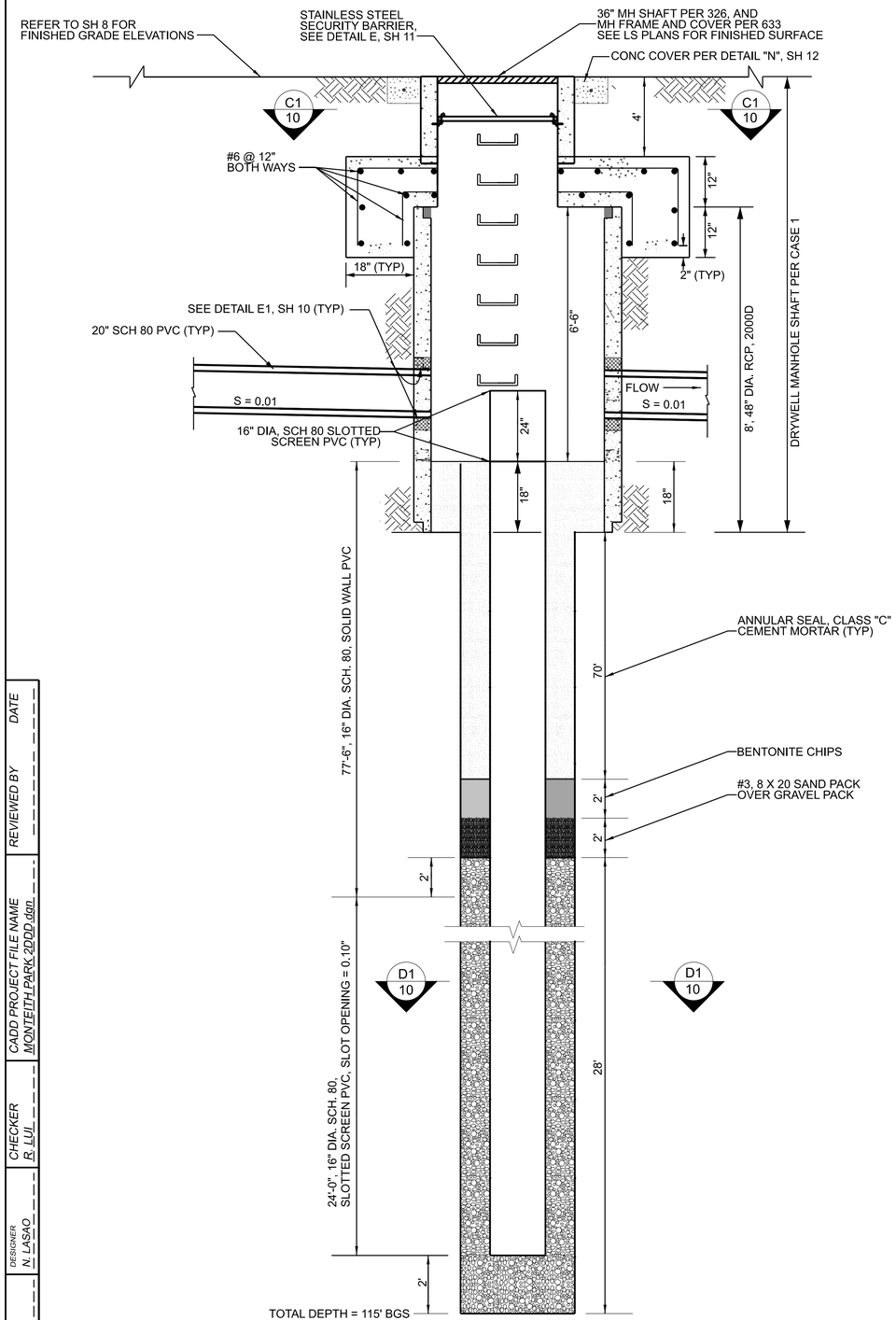
MONTEITH PARK AND VIEW PARK GREEN ALLEY STORMWATER IMPROVEMENTS

MONTEITH PARK
DRIVEWAY, CURB AND GUTTER

PROJECT ID NO. SWQ0000005

CAPITAL PROJECT NO. CP-69813 | SHEET 16 OF 23

PLAN DR



ELEVATION
LINE D DRYWELL DETAILS (SH 4)

NOT TO SCALE

DESIGNER N. LASAO | CHECKER R. LUI | CADD PROJECT FILE NAME MONTEITH PARK 2DDD.dgn | REVIEWED BY | DATE | DRAFTER N. LASAO

Los Angeles County Public Works
Geotechnical and Materials Engineering Division
900 South Fremont Avenue, Alhambra, CA 91803

BORING NUMBER SB-21-1
PAGE 1 OF 4

CLIENT Project Management III
PROJECT NAME Monteith Alley
PROJECT NUMBER P97039AC
PROJECT LOCATION Los Angeles

Date(s) Drilled	12/6/2021 - 12/9/2021	Boring Location	34.03655, -118.333129	Logged By	PSK	Checked By	KB
Drilling Contractor	Cascade Drilling	Drill Bit Size/Type	Sonic	Approximate Elevation (ft)	214	Drilled Depth (ft)	125
Drilling Method	Sonic	Finished Diameter	6	Depth to Water (ft)	Not encountered	Inclination/ Bearing(°)	90
Drill Rig Type	Sonic limited access (track-mounted)	Hammer Description	Not applicable	Sample Type(s)	Not applicable		
Notes/ Comments							

Depth (ft)	Sample Type	Sample Raw Blows Per 6" (N_{60})	Sample Number [Time]	PID (ppm)	USCS	Graphic Log	Material Description	Remarks
0							**Surface Pavement** @ 0-6': Asphalt.	@ 0-6': Advanced three boreholes to 6 feet using a hand auger. Underground utilities were not encountered.
							Artificial Fill (afu) @ 6'-5': Clayey SAND (SC), mottled dark reddish brown and reddish brown, moist, fine- to medium-grained sand, scattered gravel consisting of 1/2-inch to 2 inch granitic rock.	
5					SC		**Alluvium (Qal)** @ 5'-6': Clayey SAND (SC), dark reddish brown, moist, fine-grained sand.	
					SC		@ 6'-7': Silty SAND (SM), yellowish brown, moist, fine- to medium-grained sand.	
					SM		@ 7'-11': Clay SAND (SC), dark reddish brown, moist, fine- to medium-grained sand.	
10					SC			
					SM		@ 11'-16': Silty SAND (SM), yellowish brown, moist, fine- to medium-grained sand.	
15					SC		@ 16'-19': Clayey SAND (SC), yellowish brown, moist, fine- to medium-grained sand.	
					ML		@ 19'-21': SILT (ML), olive brown, moist.	
20					SM		@ 21'-25': Silty SAND (SM), yellowish brown, moist, fine- to medium-grained sand.	
25							@ 25'-27': light olive brown.	
					ML		@ 27'-29.5': SILT (ML), olive brown, moist.	
					SM			

(Continued Next Page)

Los Angeles County Public Works
Geotechnical and Materials Engineering Division
900 South Fremont Avenue, Alhambra, CA 91803

BORING NUMBER SB-21-1
PAGE 2 OF 4

CLIENT Project Management III
PROJECT NAME Monteith Alley
PROJECT NUMBER P97039AC
PROJECT LOCATION Los Angeles

Depth (ft)	Sample Type	Sample Raw Blows Per 6" (N_{60})	Sample Number [Time]	PID (ppm)	USCS	Graphic Log	Material Description	Remarks
					SM		@ 29.5'-31': Silty SAND (SM), light olive brown, moist, fine- to medium-grained sand.	
35					SM		@ 31'-35': Silty SAND with GRAVEL (SM), light olive brown and light reddish brown, moist, fine- to coarse-grained sand, fine gravel up to 1-1/2-inches, tabular, subangular to subrounded.	
					SM		@ 35'-40': Gravelly silty SAND with COBBLES (SM), gray brown, moist, fine- to coarse-grained sand, fine to coarse gravel up to 3 inches, blocky, subrounded, scattered cobbles 3 inches to 5 inches, blocky, subrounded.	
40					SP-SM		@ 40'-45': SAND with SILT and GRAVEL (SP-SM), light yellowish brown, moist, fine- to medium-grained sand, scattered coarse-grained sand, scattered fine gravel less than 1 inch, well rounded.	
45					SM		@ 45'-46.5': Gravelly silty SAND (SM), light grayish brown, moist, fine- to coarse-grained sand, fine gravel up to 1 inch, blocky, subangular to subrounded.	
					SM		@ 46.5'-47.5': Silty SAND with GRAVEL (SM), light grayish brown, moist, fine- to medium-grained sand, fine gravel up to 1/2 inch, block, subangular to subrounded. @ 47.5'-50': fine- to coarse-grained sand.	
50					CL		@ 50'-51.5': CLAY (CL), olive gray, very moist.	
					ML		@ 51.5'-53': SILT (ML), olive gray, very moist, iron oxide staining.	
55					SW-SM		@ 53'-55': Well graded SAND with SILT (SW-SM), olive gray, moist, fine- to coarse-grained sand.	
					CL		@ 55'-56.5': CLAY (CL), olive gray, very moist. @ 56.5'-60': reddish brown, calcium carbonate stringers.	
60							@ 60'-62.5': manganese oxide nodules, scattered calcium carbonate stringers.	
							@ 62.5'-65': olive gray, iron oxide staining, scattered calcium carbonate stringers.	

(Continued Next Page)

Los Angeles County Public Works
Geotechnical and Materials Engineering Division
900 South Fremont Avenue, Alhambra, CA 91803

BORING NUMBER SB-21-1
PAGE 3 OF 4

CLIENT Project Management III
PROJECT NAME Monteith Alley
PROJECT NUMBER P97039AC
PROJECT LOCATION Los Angeles

Depth (ft)	Sample Type	Sample Raw Blows Per 6" (N_{60})	Sample Number [Time]	PID (ppm)	USCS	Graphic Log	Material Description	Remarks
65					CL		@ 65'-68': reddish brown.	
							@ 68'-70': large manganese oxide deposits, scattered calcium carbonate stringers.	
70							@ 70'-71': olive brown, scattered iron oxide stringers.	
					ML		@ 71'-77': Clayey SILT (ML), olive brown, moist, scattered iron oxide stringers.	
75					CL		@ 77'-81.5': CLAY (CL), olive brown, moist.	
80					SM		@ 81.5'-83': Silty SAND (SM), olive brown, moist, fine-grained sand.	
					ML		@ 83'-85': Clayey SILT (ML), olive brown, moist.	
85					SP-SM		@ 85'-87.5': Poorly graded SAND with SILT (SP-SM), light reddish brown to light brown, moist, fine- to medium-grained sand, scattered coarse-grained sand.	
					SM		@ 87.5'-90': Silty SAND (SM), olive brown, moist, fine-grained sand.	
90					SW		@ 90'-95': Well graded SAND with GRAVEL (SW), reddish brown to light gray, moist, fine- to coarse-grained sand, gravels are pulverized to rock powder (grading unknown).	
95					GW		@ 95'-99': Gravel with cobbles, light gray, rock powder.	

(Continued Next Page)

Los Angeles County Public Works
Geotechnical and Materials Engineering Division
900 South Fremont Avenue, Alhambra, CA 91803

BORING NUMBER SB-21-1
PAGE 4 OF 4

CLIENT Project Management III
PROJECT NAME Monteith Alley
PROJECT NUMBER P97039AC
PROJECT LOCATION Los Angeles

Depth (ft)	Sample Type	Sample Raw Blows Per 6" (N_{60})	Sample Number [Time]	PID (ppm)	USCS	Graphic Log	Material Description	Remarks
100					SP-SM		@ 99'-100': Poorly graded SAND with SILT (SP-SM), reddish brown, moist, fine- to medium-grained sand.	
					SW-SM		@ 100'-105': Well graded SAND with SILT (SW-SM), light reddish brown, moist, fine- to coarse-grained sand.	
105					SP-SM		@ 105'-114': Poorly graded SAND with SILT (SP-SM), reddish brown, moist, fine- to medium-grained sand, scattered fine gravel up to 1/2 inch.	
110					SM		@ 114'-115': Silty SAND (SM), olive brown, moist, fine- to medium-grained sand.	
115					ML		@ 115'-118': SILT (ML), olive brown, moist.	
					ML		@ 118'-120': Sandy SILT (ML), olive brown, moist, fine-grained sand.	
120					SM		@ 120'-125': Silty SAND (SM), light bluish gray, moist, fine-grained sand.	@ 120': Caved to 110 feet during sample retrieval. Casing was set at 110 feet at time of caving.
125							Total Depth: 125 feet. Groundwater: Not encountered. Backfill (completed 12/9/2021): - 0-6": Concrete. - 6"-1': Bentonite chips, dry, medium. - 1'-5': Soil cuttings. - 5'-35': Bentonite chips, dry, medium. - 35'-125': Bentonite cement grout.	
130								

DR-17

DATE	MK	DESCRIPTION

REVISIONS

REGISTERED PROFESSIONAL ENGINEER
NOLI LASAO
NO. C60956
CIVIL
STATE OF CALIFORNIA

PROJECT ENGINEER — 08/04/2022 DATE

LOS ANGELES COUNTY PUBLIC WORKS

MONTEITH PARK AND VIEW PARK GREEN ALLEY STORMWATER IMPROVEMENTS

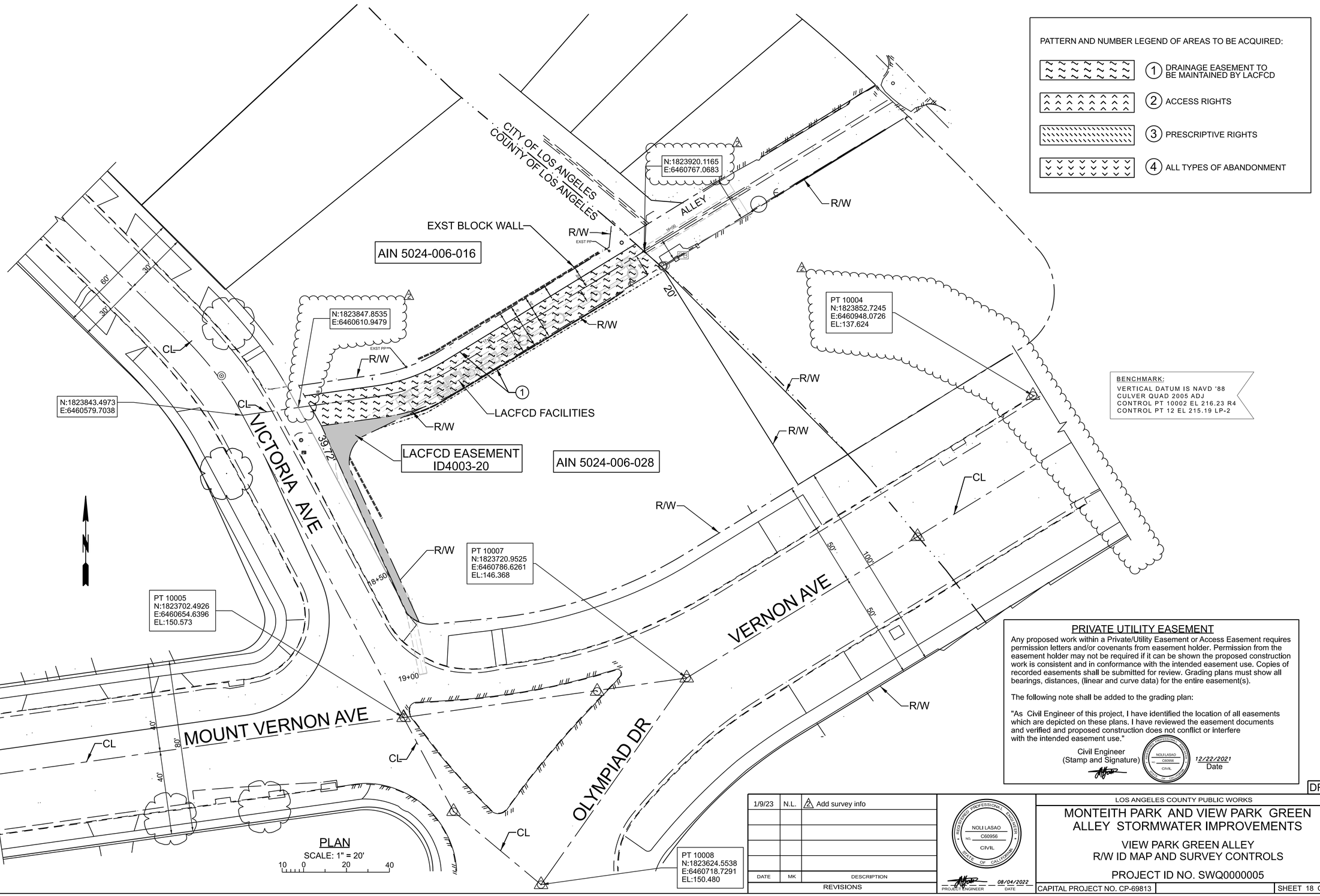
LINE D DRYWELLS AND LOG OF BORINGS ELEVATION AND DETAILS

PROJECT ID NO. SQW0000005

CAPITAL PROJECT NO. CP-69813 | SHEET 17 OF 23

PLAN DR

DATE: $DATE$ TIME: $TIME$ FILE: $FILEL$



DRAFTER N. LASAO
DESIGNER N. LASAO
CHECKER R. LUI
CADD PROJECT FILE NAME SQW0000005.DGN

DR-18

DATE	MK	DESCRIPTION
1/9/23	N.L.	2 Add survey info

REVISIONS

NOLI LASAO C60956 CIVIL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA
PROJECT ENGINEER 08/04/2022 DATE

LOS ANGELES COUNTY PUBLIC WORKS

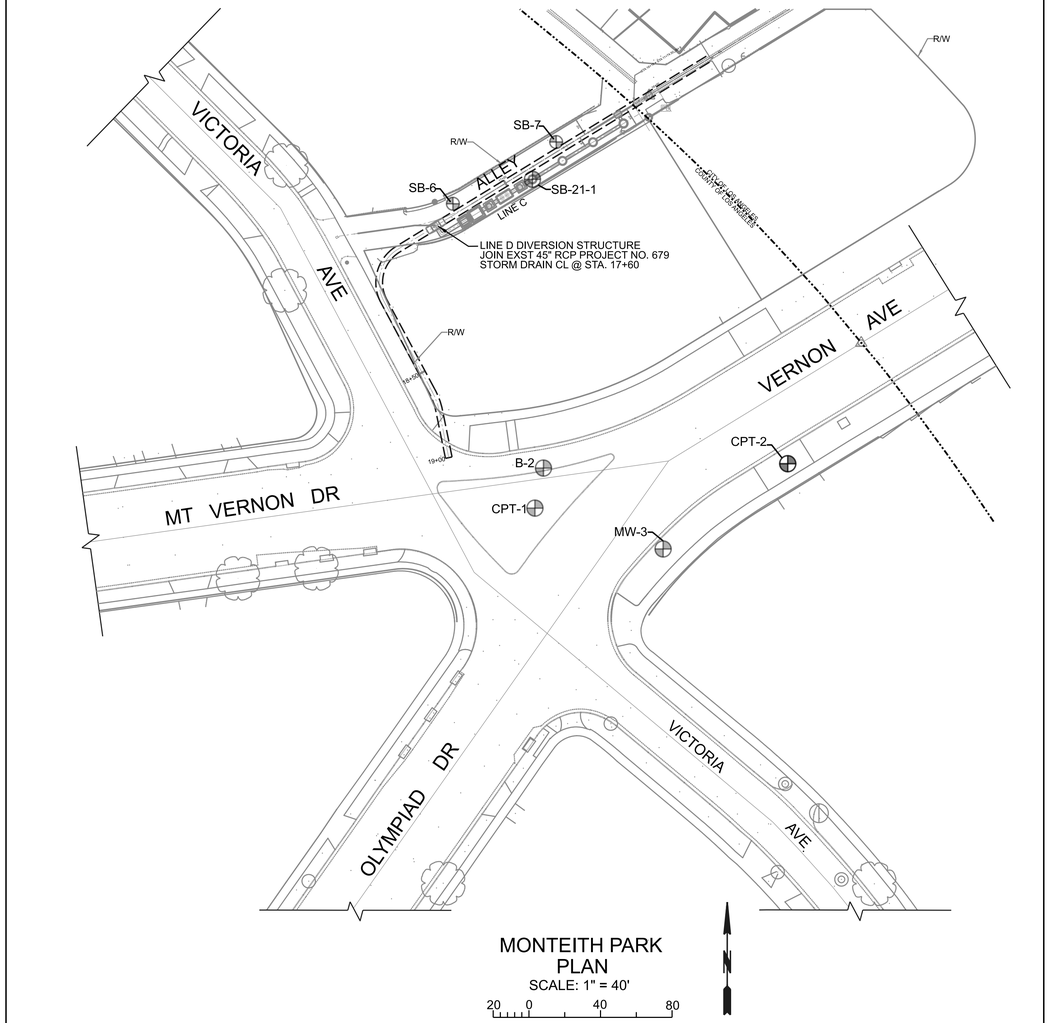
MONTEITH PARK AND VIEW PARK GREEN ALLEY STORMWATER IMPROVEMENTS

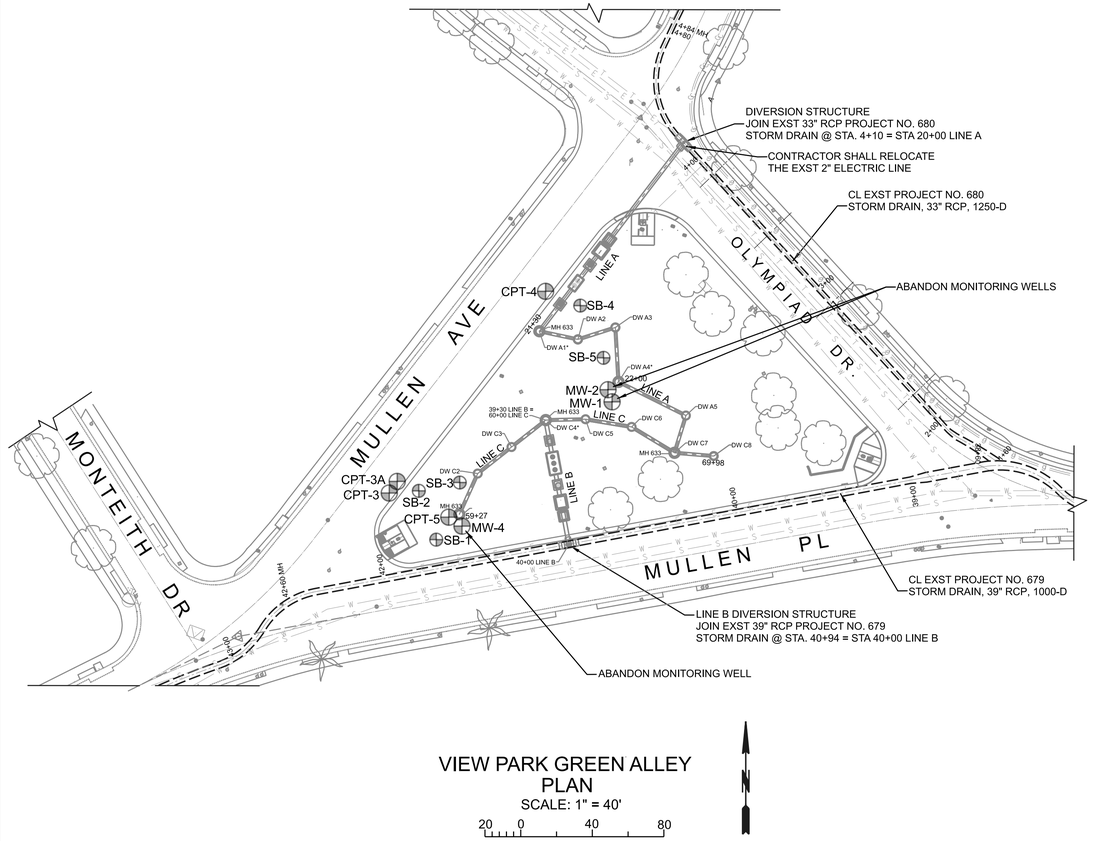
VIEW PARK GREEN ALLEY
R/W ID MAP AND SURVEY CONTROLS

PROJECT ID NO. SWQ0000005

CAPITAL PROJECT NO. CP-69813 | SHEET 18 OF 23

PLAN DR





LEGEND:

MW - MONITORING WELL
B - HOLLOW STEM BORING
SB - SONIC BORING OR DIRECT PUSH BORINGS
CPT - CONE PENETRATION TEST (LOGS AVAILABLE UPON REQUEST)

SEE LOG OF BORINGS ON SH 21, 22, 24 AND 24

DRAFTER N. LASAO
DESIGNER N. LASAO
CHECKER R. LUI
CADD PROJECT FILE NAME SQW0000005.DGN

DATE	MK	DESCRIPTION

REVISIONS

REGISTERED PROFESSIONAL ENGINEER
NOLI LASAO
NO. C60956
CIVIL
STATE OF CALIFORNIA

PROJECT ENGINEER — 08/04/2022 DATE

DR-19

LOS ANGELES COUNTY PUBLIC WORKS

MONTEITH PARK AND VIEW PARK GREEN ALLEY STORMWATER IMPROVEMENTS

LOCATION OF BORINGS

PROJECT ID NO. SWQ0000005

CAPITAL PROJECT NO. CP-69813 | SHEET 19 OF 23

PLAN DR

PROJECT NO. A8559-77-79

BORING SB-1

ELEV. (MSL.) -- DATE COMPLETED 8/3/2020

EQUIPMENT DIRECT PUSH RIG BY: SB

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0					**ARTIFICIAL FILL** Sandy Silt, soft, moist, brown and dark brown, trace clay, fine-grained sand, some roots and rootlets.			
2					**ALLUVIUM** Sandy Silt, firm, slightly moist, brown, trace clay, fine-grained sand.			
4								
6	B1@5'			ML				
8					- light brown, decrease in clay content, increase gravel content			
10	B1@10'		▼		Sandy Silt with Clay, firm, saturated, dark brown, fine-grained sand - perched groundwater encountered			
12					- brown			
14								
16	B1@15'			ML				
18								
20	B1@70'				Total depth of boring: 20.5 feet Fill to 1 foot. Perched groundwater encountered at a depth of 10 feet. Backfilled with hydrated bentonite chips and tamped. Surface patched with soil from the immediate site vicinity.			

A8559-77-79 BORING LOGS.GPJ

Figure A1,
Log of Boring 1, Page 1 of 1

SAMPLE SYMBOLS: ☐ SAMPLING UNSUCCESSFUL; ◧ STANDARD PENETRATION TEST; ■ DRIVE SAMPLE (UNDISTURBED); ☒ DISTURBED OR BAG SAMPLE; ◥ CHUNK SAMPLE; ▼ WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

GEOCON

PROJECT NO. A8559-77-79

BORING SB-2

ELEV. (MSL.) -- DATE COMPLETED 8/3/2020

EQUIPMENT DIRECT PUSH RIG BY: SB

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0					**ARTIFICIAL FILL** Sandy Silt, soft, moist, brown and dark brown, trace clay, fine-grained sand.			
2					**ALLUVIUM** Silty Sand, medium-dense slightly moist, light brown, fine-grained.			
4								
6	B2@5'			SM				
8					- trace gravel at contact			
10	B2@10'				Sandy Silt, dark brown. - perched groundwater encountered			
12					- increase in clay content, saturated			
14								
16	B2@15'			ML				
18								
20	B2@70'				Total depth of boring: 20.5 feet Fill to 1 foot. Perched groundwater encountered at a depth of 10 feet. Backfilled with hydrated bentonite chips and tamped. Surface patched with soil from the immediate site vicinity.			

A8559-77-79 BORING LOGS.GPJ

Figure A2,
Log of Boring 2, Page 1 of 1

SAMPLE SYMBOLS: ☐ SAMPLING UNSUCCESSFUL; ◧ STANDARD PENETRATION TEST; ■ DRIVE SAMPLE (UNDISTURBED); ☒ DISTURBED OR BAG SAMPLE; ◥ CHUNK SAMPLE; ▼ WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

GEOCON

PROJECT NO. A8559-77-79

BORING SB-3

ELEV. (MSL.) -- DATE COMPLETED 8/3/2020

EQUIPMENT DIRECT PUSH RIG BY: SB

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0					**ARTIFICIAL FILL** Sandy Silt, soft, moist, brown and dark brown, trace clay, fine-grained sand.			
2					**ALLUVIUM** Sandy Silt, firm, slightly moist, light brown, fine-grained sand.			
4								
6	B3@5'			ML				
8					- trace gravel			
10	B3@10'			SM	Silty Sand, medium-dense, moist, dark brown, fine-grained sand. - brown			
12					Sandy Silt with Clay, firm, saturated, brown, fine-grained sand, some interbeds of fine-grained sandy clay.			
14								
16	B3@15'			ML				
18								
20	B3@70'				Total depth of boring: 20.5 feet Fill to 1 foot. Groundwater not encountered. Backfilled with hydrated bentonite chips and tamped. Surface patched with soil from the immediate site vicinity.			

A8559-77-79 BORING LOGS.GPJ

Figure A3,
Log of Boring 3, Page 1 of 1

SAMPLE SYMBOLS: ☐ SAMPLING UNSUCCESSFUL; ◧ STANDARD PENETRATION TEST; ■ DRIVE SAMPLE (UNDISTURBED); ☒ DISTURBED OR BAG SAMPLE; ◥ CHUNK SAMPLE; ▼ WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

GEOCON

PROJECT NO. A8559-77-79

BORING SB-4

ELEV. (MSL.) -- DATE COMPLETED 8/3/2020

EQUIPMENT DIRECT PUSH RIG BY: SB

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0					**ARTIFICIAL FILL** Sandy Silt, soft, moist, brown and dark brown, trace clay, fine-grained sand, some roots and rootlets.			
2					**ALLUVIUM** Silt with Sand, firm, slightly moist, brown and dark brown, some clay, fine-grained sand.			
4								
6	B4@5'			ML				
8								
10	B4@10'				- perched groundwater encountered			
12					Sand, poorly graded, medium-dense, light yellowish brown fine-grained.			
14								
16	B4@15'			SP	- light greyish brown, fine- to medium- grained sand			
18								
20	B4@70'				Total depth of boring: 20.5 feet Fill to 1 foot. Perched groundwater encountered at a depth of 10 feet. Backfilled with hydrated bentonite chips and tamped. Surface patched with soil from the immediate site vicinity.			

A8559-77-79 BORING LOGS.GPJ

Figure A4,
Log of Boring 4, Page 1 of 1

SAMPLE SYMBOLS: ☐ SAMPLING UNSUCCESSFUL; ◧ STANDARD PENETRATION TEST; ■ DRIVE SAMPLE (UNDISTURBED); ☒ DISTURBED OR BAG SAMPLE; ◥ CHUNK SAMPLE; ▼ WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

GEOCON

PROJECT NO. A8559-77-79

BORING SB-5

ELEV. (MSL.) -- DATE COMPLETED 8/3/2020

EQUIPMENT DIRECT PUSH RIG BY: SB

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0					**ARTIFICIAL FILL** Silty Sand, medium dense, moist, dark brown, fine-grained sand.			
2					**ALLUVIUM** Sand, poorly graded, medium dense, moist, light brown, fine-grained sand.			
4								
6	B5@5'			SP				
8					Silty Sand, moist, dark brown, trace clay, fine-grained sand. - trace gravel at contact			
10	B5@10'				- brown, fine- to medium- grained sand			
12					- yellowish brown, slightly moist, fine-grained			
14								
16	B5@15'			SM				
18								
20	B5@70'				Total depth of boring: 20.5 feet Fill to 1 foot. Groundwater not encountered. Backfilled with hydrated bentonite chips and tamped. Surface patched with soil from the immediate site vicinity.			

A8559-77-79 BORING LOGS.GPJ

Figure A5,
Log of Boring 5, Page 1 of 1

SAMPLE SYMBOLS: ☐ SAMPLING UNSUCCESSFUL; ◧ STANDARD PENETRATION TEST; ■ DRIVE SAMPLE (UNDISTURBED); ☒ DISTURBED OR BAG SAMPLE; ◥ CHUNK SAMPLE; ▼ WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

GEOCON

PROJECT NO. A8559-77-79

BORING SB-6

ELEV. (MSL.) -- DATE COMPLETED 8/3/2020

EQUIPMENT DIRECT PUSH RIG BY: SB

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0					**ARTIFICIAL FILL** Silty Sand, moist, dark brown, trace clay, fine-grained sand.			
2					**ALLUVIUM** Silty Sand, medium dense, moist, trace clay, fine-grained, trace medium- to coarse-grained sand.			
4								
6	B6@5'							
8								
10	B6@10'			SM	- firm, slightly moist, yellowish brown, fine-grained sand, trace clay			
12					- fine-grained sand interbeds (to 6") at 12' and 17.'			
14								
16	B6@15'				- decrease in sand content			
18								
20	B6@70'				Total depth of boring: 20.5 feet Fill to 2 feet. Groundwater not encountered. Backfilled with hydrated bentonite chips and tamped. Surface patched with asphalt and tamped.			

A8559-77-79 BORING LOGS.GPJ

Figure A6,
Log of Boring 6, Page 1 of 1

SAMPLE SYMBOLS: ☐ SAMPLING UNSUCCESSFUL; ◧ STANDARD PENETRATION TEST; ■ DRIVE SAMPLE (UNDISTURBED); ☒ DISTURBED OR BAG SAMPLE; ◥ CHUNK SAMPLE; ▼ WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

GEOCON

PROJECT NO. A8559-77-79

BORING SB-7

ELEV. (MSL.) -- DATE COMPLETED 8/3/2020

EQUIPMENT DIRECT PUSH RIG BY: SB

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0					**ARTIFICIAL FILL** Silty Sand, slightly moist, dark brown, trace clay, fine-grained, some medium- to coarse-grained sand.			
2					**ALLUVIUM** Silty Sand, medium dense, moist, yellowish brown, trace clay, fine-grained, trace medium- to coarse-grained sand.			
4								
6	B7@5'			SM				
8								
10	B7@10'				Sandy Silt, firm, slightly moist, yellowish brown, fine-grained sand, trace clay.			
12					- fine-grained sand interbeds (to 6") at 12' and 17.'			
14								
16	B7@15'			ML	- trace coarse-grained sand			
18								
20	B7@70'				Total depth of boring: 20.5 feet Fill to 2 feet. Groundwater not encountered. Backfilled with hydrated bentonite chips and tamped. Surface patched with asphalt and tamped.			

A8559-77-79 BORING LOGS.GPJ

Figure A7,
Log of Boring 7, Page 1 of 1

SAMPLE SYMBOLS: ☐ SAMPLING UNSUCCESSFUL; ◧ STANDARD PENETRATION TEST; ■ DRIVE SAMPLE (UNDISTURBED); ☒ DISTURBED OR BAG SAMPLE; ◥ CHUNK SAMPLE; ▼ WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

GEOCON

CADD PROJECT FILE NAME SQW0000005.DGN

CHECKER R. LUI

DESIGNER N. LASAO

DRAFTER N. LASAO

DR-20

DATE	MK	DESCRIPTION

REVISIONS

REGISTERED PROFESSIONAL ENGINEER — NOLI LASAO — NO. C60956 — CIVIL — STATE OF CALIFORNIA

PROJECT ENGINEER — 04/25/2022 DATE

LOS ANGELES COUNTY PUBLIC WORKS

MONTEITH PARK AND VIEW PARK GREEN ALLEY STORMWATER IMPROVEMENTS

MONTEITH PARK AND VIEW PARK ALLEY LOG OF BORINGS

PROJECT ID NO. SWQ0000005

CAPITAL PROJECT NO. CP-69813 | SHEET 20 OF 23

PLAN DR

Los Angeles County Department of Public Works
Geotechnical and Materials Engineering Division
900 South Fremont Avenue, Alhambra, CA 91803

BORING NUMBER MW-1
PAGE 1 OF 3

CLIENT Stormwater Planning
PROJECT NAME Monteith Park and View Park Median
PROJECT NUMBER F21816I12
PROJECT LOCATION Baldwin Hills

Drilling Contractor:	Gregg Drilling	Boring Location:	Monteith Park	Drilled Total Depth:	76.5 ft.	Logged By:	KP
Drilling Method:	Hollow Stem Auger	Lat. and Long. Coordinates:	33.999030, -118.337400	Approxiate Surface Elevation:	214 ft.	Checked By:	YH
Drill Rig Type:	CME 95	Drill Bit Diameter:	8 inches	Depth to Groundwater:	N/A ft.	Inclination/ Bearing (°):	90
Hammer Description:	140 lb. Auto Hammer	Finished Diameter:	8 inches	Dates(s) Drilled:	3/28/2017 to 3/28/2017		

ELEVATION (ft)	DEPTH (ft)	GRAPHIC	MATERIAL DESCRIPTION	SAMPLE TYPE	SAMPLE NUMBER	RECOVERY (%)	BLOW COUNTS (N VALUE)	COMMENTS	DRY UNIT WEIGHT (pcf)	MOISTURE CONTENT (%)	#4 SIEVE (% PASS)	ATTERBERG LIMITS: LIQUID LIMIT	ATTERBERG LIMITS: PLASTIC LIMIT	ATTERBERG LIMITS: PLASTICITY INDEX	SIEVE #200 (% PASS)
	0		Grass and topsoil												
215			Silty clay, soft, moist, dark brown, some roots (Alluvium)												
	5														
220			Well graded sand, medium dense, moist, brown, some gravel and silt	MC		100	4-7-16 (23)								
	10														
225			Clay, very soft, moist, brown, with fine sand	SPT		100	0-0-1 (1)								
	15														
230			Clayey sand, loose, moist, brown	MC		100	3-7-7 (14)								
	20														
235			Clay, very soft, moist, brown (older Alluvium)	SPT		100	2-2-3 (5)								
	25														

(Continued Next Page)

Los Angeles County Department of Public Works
Geotechnical and Materials Engineering Division
900 South Fremont Avenue, Alhambra, CA 91803

BORING NUMBER MW-1
PAGE 2 OF 3

CLIENT Stormwater Planning
PROJECT NAME Monteith Park and View Park Median
PROJECT NUMBER F21816I12
PROJECT LOCATION Baldwin Hills

ELEVATION (ft)	DEPTH (ft)	GRAPHIC	MATERIAL DESCRIPTION	SAMPLE TYPE	SAMPLE NUMBER	RECOVERY (%)	BLOW COUNTS (N VALUE)	COMMENTS	DRY UNIT WEIGHT (pcf)	MOISTURE CONTENT (%)	#4 SIEVE (% PASS)	ATTERBERG LIMITS: LIQUID LIMIT	ATTERBERG LIMITS: PLASTIC LIMIT	ATTERBERG LIMITS: PLASTICITY INDEX	SIEVE #200 (% PASS)
	25														
240			Silty clay, very stiff, moist, brown, contact with older alluvium	MC		100	4-8-39 (47)								
	30														
245			Well graded sand, very dense, moist, light gray, some gravel	SPT		56	2-15-50 (65)								
	35														
250			Silty sand with gravel, very dense, moist, light brown	MC		100	31-50/5 (78)								
	40														
255			Poorly graded sand, dense, moist, light brown	SPT		100	13-38-27 (65)								
	45														
260			Silt, hard, moist, red brown	MC		100	14-27-46 (73)								
	50														
265			Silty sand, dense, moist, light brown	SPT		100	7-26-23 (49)								

(Continued Next Page)

Los Angeles County Department of Public Works
Geotechnical and Materials Engineering Division
900 South Fremont Avenue, Alhambra, CA 91803

BORING NUMBER MW-1
PAGE 3 OF 3

CLIENT Stormwater Planning
PROJECT NAME Monteith Park and View Park Median
PROJECT NUMBER F21816I12
PROJECT LOCATION Baldwin Hills

ELEVATION (ft)	DEPTH (ft)	GRAPHIC	MATERIAL DESCRIPTION	SAMPLE TYPE	SAMPLE NUMBER	RECOVERY (%)	BLOW COUNTS (N VALUE)	COMMENTS	DRY UNIT WEIGHT (pcf)	MOISTURE CONTENT (%)	#4 SIEVE (% PASS)	ATTERBERG LIMITS: LIQUID LIMIT	ATTERBERG LIMITS: PLASTIC LIMIT	ATTERBERG LIMITS: PLASTICITY INDEX	SIEVE #200 (% PASS)
	55		Silty sand, dense, moist, light brown *(continued)*												
270				MC		100	11-20-47 (67)								
	60														
275				SPT		100	12-13-16 (29)								
	65														
280				MC		100	12-31-48 (79)								
	70														
285			dark gray	SPT		100	5-10-13 (23)								
	75														
290				MC		100	10-26-37 (63)								
295															

Los Angeles County Department of Public Works
Geotechnical and Materials Engineering Division
900 South Fremont Avenue, Alhambra, CA 91803

BORING NUMBER MW-2
PAGE 1 OF 2

CLIENT Stormwater Planning
PROJECT NAME Monteith Park and View Park Median
PROJECT NUMBER F21816I12
PROJECT LOCATION Baldwin Hills

Drilling Contractor:	Gregg Drilling	Boring Location:	Monteith Park	Drilled Total Depth:	51.5 ft.	Logged By:	KP
Drilling Method:	Hollow Stem Auger	Lat. and Long. Coordinates:	33.999047, -118.337414	Approxiate Surface Elevation:	214 ft.	Checked By:	YH
Drill Rig Type:	CME 95	Drill Bit Diameter:	8 inches	Depth to Groundwater:	N/A ft.	Inclination/ Bearing (°):	90
Hammer Description:	140 lb. Auto Hammer	Finished Diameter:	8 inches	Dates(s) Drilled:	3/29/2017 to 3/29/2017		

ELEVATION (ft)	DEPTH (ft)	GRAPHIC	MATERIAL DESCRIPTION	SAMPLE TYPE	SAMPLE NUMBER	RECOVERY (%)	BLOW COUNTS (N VALUE)	COMMENTS	DRY UNIT WEIGHT (pcf)	MOISTURE CONTENT (%)	#4 SIEVE (% PASS)	ATTERBERG LIMITS: LIQUID LIMIT	ATTERBERG LIMITS: PLASTIC LIMIT	ATTERBERG LIMITS: PLASTICITY INDEX	SIEVE #200 (% PASS)
	0		Grass & topsoil												
215			Silty and clayey sand, loose, medium brown, moist, fine to medium grain, low plasticity (Alluvium)												
	5														
220			Clayey sand with gravel, medium dense, moist, brown, fine- to coarse- grained sand, fine grained gravel, upper part of sample less gravel and fine to medium grained	MC		100	5-5-6 (11)								
	10														
225			Clay, soft, moist, dark brown, with fine- to medium-grained sand, low plasticity	SPT		100	1-1-1 (2)								
	15														
230				MC		100	2-3-4 (7)								
	20		Silty sand, medium dense, moist, brown, fine grained, few gravel												
235			Silt, very stiff, moist, laminated olive gray and brown (older Alluvium)	SPT		100	4-6-10 (16)								
	25														

(Continued Next Page)

Los Angeles County Department of Public Works
Geotechnical and Materials Engineering Division
900 South Fremont Avenue, Alhambra, CA 91803

BORING NUMBER MW-2
PAGE 2 OF 2

CLIENT Stormwater Planning
PROJECT NAME Monteith Park and View Park Median
PROJECT NUMBER F21816I12
PROJECT LOCATION Baldwin Hills

ELEVATION (ft)	DEPTH (ft)	GRAPHIC	MATERIAL DESCRIPTION	SAMPLE TYPE	SAMPLE NUMBER	RECOVERY (%)	BLOW COUNTS (N VALUE)	COMMENTS	DRY UNIT WEIGHT (pcf)	MOISTURE CONTENT (%)	#4 SIEVE (% PASS)	ATTERBERG LIMITS: LIQUID LIMIT	ATTERBERG LIMITS: PLASTIC LIMIT	ATTERBERG LIMITS: PLASTICITY INDEX	SIEVE #200 (% PASS)
	25														
240			Silt, very stiff, moist, laminated olive gray and brown (older Alluvium) *(continued)*	MC		100	8-18-22 (40)								
	30														
245				SPT		100	14-37-45 (82)								
	35		Silty sand, very dense, moist, light brown, fine to coarse sand, with fine gravel												
250				MC		100	29-12-32 (44)								
	40														
255			Silty gravel with sand, very dense, moist, light brown	SPT		100	11-42-50 (92)								
	45														
260			Silty sand, stiff, moist, laminated brown and gray; layers of silt and sand, low plasticity	MC		100	7-11-16 (27)								
	50														
265			Silty sand, medium dense, moist, mottled with brown and gray brown, fine grained	SPT		100	7-20-23 (43)								

DR-21

DATE	MK	DESCRIPTION

REVISIONS

REGISTERED PROFESSIONAL ENGINEER
JOSE JULIAN URQUIZO
No. 85500
CIVIL
STATE OF CALIFORNIA

12/30/2020
PROJECT ENGINEER — DATE

LOS ANGELES COUNTY PUBLIC WORKS

MONTEITH PARK AND VIEW PARK GREEN ALLEY STORMWATER IMPROVEMENTS

MONTEITH PARK
LOG OF BORINGS

PROJECT ID NO. SWQ0000005

CAPITAL PROJECT NO. CP-69813 | SHEET 21 OF 23

PLAN DR

DRAFTER N. LASAO
DESIGNER N. LASAO
CHECKER R. LUI
CADD PROJECT FILE NAME SWQ0000005.DGN

LACDPW-NEW LOGO - GINT STD US.GDT - 12/30/20 11:11 - \\PW\PWPUBLIC\CME\PUBSOILS INVESTIGATIONS\GINT\PROJECTS\MONTEITH.GPJ

Los Angeles County Department of Public Works
Geotechnical and Materials Engineering Division
900 South Fremont Avenue, Alhambra, CA 91803

BORING NUMBER MW-4
PAGE 1 OF 4

CLIENT Stormwater Planning
PROJECT NAME Monteith Park and View Park Median
PROJECT NUMBER F21816I12
PROJECT LOCATION Baldwin Hills

Drilling Contractor:	**Gregg Drilling**	Boring Location:	**Monteith Park**	Drilled Total Depth:	**101.5** ft.	Logged By:	**KP**
Drilling Method:	**Hollow Stem Auger**	Lat. and Long. Coordinates:	**33.998765, -118.337594**	Approximate Surface Elevation:	**214** ft.	Checked By:	**YH**
Drill Rig Type:	**CME 95**	Drill Bit Diameter:	**8** in.	Depth to Groundwater:	**N/A** ft.	Inclination/ Bearing (°):	**90**
Hammer Description:	**140 lb. Auto Hammer**	Finished Diameter:	**8** in.	Dates(s) Drilled:	**3/22/2017** to **3/23/2017**		

ELEVATION (ft)	DEPTH (ft)	GRAPHIC	MATERIAL DESCRIPTION	SAMPLE TYPE	SAMPLE NUMBER	RECOVERY (%)	BLOW COUNTS (N VALUE)	COMMENTS	DRY UNIT WEIGHT (pcf)	MOISTURE CONTENT (%)	#4 SIEVE (% PASS)	ATTERBERG LIMITS: LIQUID LIMIT	ATTERBERG LIMITS: PLASTIC LIMIT	ATTERBERG LIMITS: PLASTICITY INDEX	SIEVE #200 (% PASS)
215	0		Grass and topsoil												
			Lean Clay, soft, moist, dark brown												
220	5		Lean Clay, soft moist, dark brown, sandy	MC		100	2-2-3 (5)								
225	10		Silty Sand, loose, moist, brown	SPT		100	2-4-7 (11)								
230	15		Silt, soft, moist, brown	MC		100	3-5-8 (13)								
235	20		Silty Sand, loose, moist, brown	SPT		100	2-3-4 (7)								
	25														

(Continued Next Page)

Los Angeles County Department of Public Works
Geotechnical and Materials Engineering Division
900 South Fremont Avenue, Alhambra, CA 91803

BORING NUMBER MW-4
PAGE 2 OF 4

CLIENT Stormwater Planning
PROJECT NAME Monteith Park and View Park Median
PROJECT NUMBER F21816I12
PROJECT LOCATION Baldwin Hills

ELEVATION (ft)	DEPTH (ft)	GRAPHIC	MATERIAL DESCRIPTION	SAMPLE TYPE	SAMPLE NUMBER	RECOVERY (%)	BLOW COUNTS (N VALUE)	COMMENTS	DRY UNIT WEIGHT (pcf)	MOISTURE CONTENT (%)	#4 SIEVE (% PASS)	ATTERBERG LIMITS: LIQUID LIMIT	ATTERBERG LIMITS: PLASTIC LIMIT	ATTERBERG LIMITS: PLASTICITY INDEX	SIEVE #200 (% PASS)
240	25		Silty Sand, loose, moist, brown *(continued)*	MC		100	3-7-8 (15)								
245	30		Gravel, pulverized by sampling, harder drilling	SPT		100	13-35-36 (71)								
250	35		Silt, hard, moist, brown (older Alluvium)	MC		67	15-38-49 (87)								
255	40		Silty sand, dense, moist, gray to green brown with alternating red lamination	SPT		100	12-19-24 (43)								
260	45			MC		100	9-26-43 (69)								
265	50		Very dense, gray, mottled with red oxidation	SPT		100	12-19-25 (44)								

(Continued Next Page)

Los Angeles County Department of Public Works
Geotechnical and Materials Engineering Division
900 South Fremont Avenue, Alhambra, CA 91803

BORING NUMBER MW-4
PAGE 3 OF 4

CLIENT Stormwater Planning
PROJECT NAME Monteith Park and View Park Median
PROJECT NUMBER F21816I12
PROJECT LOCATION Baldwin Hills

ELEVATION (ft)	DEPTH (ft)	GRAPHIC	MATERIAL DESCRIPTION	SAMPLE TYPE	SAMPLE NUMBER	RECOVERY (%)	BLOW COUNTS (N VALUE)	COMMENTS	DRY UNIT WEIGHT (pcf)	MOISTURE CONTENT (%)	#4 SIEVE (% PASS)	ATTERBERG LIMITS: LIQUID LIMIT	ATTERBERG LIMITS: PLASTIC LIMIT	ATTERBERG LIMITS: PLASTICITY INDEX	SIEVE #200 (% PASS)
270	55		Silty sand, dense, moist, gray to green brown with alternating red lamination *(continued)*	MC		67	30-30-49 (79)								
275	60		Silt, hard, moist, brown mottled with red oxidation	SPT		100	27-11-28 (55)								
280	65			MC		67	26-26-49 (75)								
285	70		Clay, hard, moist, gray	SPT		100	6-12-42 (54)								
			Silty sand, very dense, moist, gray												
290	75			MC		83	24-42-49 (91)								
295	80		Silt, hard, moist, gray, with gravel	SPT			28 74								

(Continued Next Page)

Los Angeles County Department of Public Works
Geotechnical and Materials Engineering Division
900 South Fremont Avenue, Alhambra, CA 91803

BORING NUMBER MW-4
PAGE 4 OF 4

CLIENT Stormwater Planning
PROJECT NAME Monteith Park and View Park Median
PROJECT NUMBER F21816I12
PROJECT LOCATION Baldwin Hills

ELEVATION (ft)	DEPTH (ft)	GRAPHIC	MATERIAL DESCRIPTION	SAMPLE TYPE	SAMPLE NUMBER	RECOVERY (%)	BLOW COUNTS (N VALUE)	COMMENTS	DRY UNIT WEIGHT (pcf)	MOISTURE CONTENT (%)	#4 SIEVE (% PASS)	ATTERBERG LIMITS: LIQUID LIMIT	ATTERBERG LIMITS: PLASTIC LIMIT	ATTERBERG LIMITS: PLASTICITY INDEX	SIEVE #200 (% PASS)
			Silt, hard, moist, gray, with gravel *(continued)*												
300	85		Well graded sand with silt and gravel, very dense, moist, gray	MC		28	49								
305	90			SPT		89	35-58-74 (132)								
310	95		Gravel, very dense, moist, gray, damaged sampler	MC		17	49-0 (49)								
315	100			SPT		17									
320															

DRAFTER N. LASAO
DESIGNER N. LASAO
CHECKER R. LUI
CADD PROJECT FILE NAME SWQ0000005.DGN

DR-22

DATE	MK	DESCRIPTION

REVISIONS

REGISTERED PROFESSIONAL ENGINEER
JOSE JULIAN URQUIZO
No. 85500
CIVIL
STATE OF CALIFORNIA

12/30/2020
PROJECT ENGINEER — DATE

LOS ANGELES COUNTY PUBLIC WORKS

MONTEITH PARK AND VIEW PARK GREEN ALLEY STORMWATER IMPROVEMENTS

MONTEITH PARK
LOG OF BORINGS

PROJECT ID NO. SWQ0000005

CAPITAL PROJECT NO. CP-69813 | SHEET 22 OF 23

PLAN DR

Los Angeles County Department of Public Works
Geotechnical and Materials Engineering Division
900 South Fremont Avenue, Alhambra, CA 91803

BORING NUMBER B-2
PAGE 1 OF 4

CLIENT Stormwater Planning
PROJECT NAME Monteith Park and View Park Median
PROJECT NUMBER F21816I12
PROJECT LOCATION Baldwin Hills

Drilling Contractor:	**Gregg Drilling**	Boring Location: **View Park Median**	Drilled Total Depth: **101.5** ft.	Logged By:	**KP**
Drilling Method:	**Hollow Stem Auger**	Lat. and Long Coordinates: **34.003978, -118.332877**	Approxiate Surface Elevation: **148** ft.	Checked By:	**YH**
Drill Rig Type:	**CME 95**	Drill Bit Diameter: **8** in.	Depth to Groundwater: **N/A** ft.	Inclination/ Bearing (°):	**90**
Hammer Description:	**140 lb. Auto Hammer**	Finished Diameter: **8** in.	Date(s) Drilled: **3/30/2017** to **3/30/2017**		

ELEVATION (ft)	DEPTH (ft)	GRAPHIC	MATERIAL DESCRIPTION	SAMPLE TYPE	SAMPLE NUMBER	RECOVERY (%)	BLOW COUNTS (N VALUE)	COMMENTS	DRY UNIT WEIGHT (pcf)	MOISTURE CONTENT (%)	#4 SIEVE (% PASS)	ATTERBERG LIMITS: LIQUID LIMIT	ATTERBERG LIMITS: PLASTIC LIMIT	ATTERBERG LIMITS: PLASTICITY INDEX	SIEVE #200 (% PASS)
150	0		Concrete												
			Sandy Clay, medium stiff, moist, brown (Alluvium)	MC		100	2-3-6 (9)								
155	5														
			Silt, stiff, moist, brown	SPT		100	3-5-7 (12)								
160	10														
			Clay, stiff, moist, brown, sandy	MC		100	4-6-10 (16)								
165	15														
				SPT		100	3-9-8 (17)								
170	20														
	25														

(Continued Next Page)

Los Angeles County Department of Public Works
Geotechnical and Materials Engineering Division
900 South Fremont Avenue, Alhambra, CA 91803

BORING NUMBER B-2
PAGE 2 OF 4

CLIENT Stormwater Planning
PROJECT NAME Monteith Park and View Park Median
PROJECT NUMBER F21816I12
PROJECT LOCATION Baldwin Hills

ELEVATION (ft)	DEPTH (ft)	GRAPHIC	MATERIAL DESCRIPTION	SAMPLE TYPE	SAMPLE NUMBER	RECOVERY (%)	BLOW COUNTS (N VALUE)	COMMENTS	DRY UNIT WEIGHT (pcf)	MOISTURE CONTENT (%)	#4 SIEVE (% PASS)	ATTERBERG LIMITS: LIQUID LIMIT	ATTERBERG LIMITS: PLASTIC LIMIT	ATTERBERG LIMITS: PLASTICITY INDEX	SIEVE #200 (% PASS)
	25		Clay, stiff, moist, brown, sandy *(continued)*												
175				MC		100	11-15-23 (38)								
	30		Well graded sand with gravel, very dense, moist, brown to red brown, water encountered in lower 6 inches of sampler (not groundwater)	SPT		100	14-31-37 (68)								
180															
	35		Well graded gravel, very dense, moist, light brown	MC		67	29-50								
185															
	40		Clay, stiff, moist, brown with spots of light brown, some gravel, plastic	SPT		100	4-8-8 (16)								
190															
	45			MC		100	6-17-17 (34)								
195															
	50			SPT		100	4-8-12 (20)								
200															

(Continued Next Page)

Los Angeles County Department of Public Works
Geotechnical and Materials Engineering Division
900 South Fremont Avenue, Alhambra, CA 91803

BORING NUMBER B-2
PAGE 3 OF 4

CLIENT Stormwater Planning
PROJECT NAME Monteith Park and View Park Median
PROJECT NUMBER F21816I12
PROJECT LOCATION Baldwin Hills

ELEVATION (ft)	DEPTH (ft)	GRAPHIC	MATERIAL DESCRIPTION	SAMPLE TYPE	SAMPLE NUMBER	RECOVERY (%)	BLOW COUNTS (N VALUE)	COMMENTS	DRY UNIT WEIGHT (pcf)	MOISTURE CONTENT (%)	#4 SIEVE (% PASS)	ATTERBERG LIMITS: LIQUID LIMIT	ATTERBERG LIMITS: PLASTIC LIMIT	ATTERBERG LIMITS: PLASTICITY INDEX	SIEVE #200 (% PASS)
55			Clay, stiff, moist, brown with spots of light brown, some gravel, plastic *(continued)*												
205			very stiff	MC		100	6-17-27 (44)								
	60			SPT		100	4-7-10 (17)								
210															
	65		Silt, medium dense to dense, moist, brown, with layers of clay	MC		100	9-18-32 (50)								
215															
	70		Clay, moist, brown	SPT		100	5-9-21 (30)								
220															
	75		Silt, medium dense, moist, brown	MC		100	7-16-47 (63)								
225															
	80		Silty sand, very dense, moist, brown												
230			Well graded sand with gravel, very dense, moist, gray brown	SPT		100	12-50								

(Continued Next Page)

Los Angeles County Department of Public Works
Geotechnical and Materials Engineering Division
900 South Fremont Avenue, Alhambra, CA 91803

BORING NUMBER B-2
PAGE 4 OF 4

CLIENT Stormwater Planning
PROJECT NAME Monteith Park and View Park Median
PROJECT NUMBER F21816I12
PROJECT LOCATION Baldwin Hills

ELEVATION (ft)	DEPTH (ft)	GRAPHIC	MATERIAL DESCRIPTION	SAMPLE TYPE	SAMPLE NUMBER	RECOVERY (%)	BLOW COUNTS (N VALUE)	COMMENTS	DRY UNIT WEIGHT (pcf)	MOISTURE CONTENT (%)	#4 SIEVE (% PASS)	ATTERBERG LIMITS: LIQUID LIMIT	ATTERBERG LIMITS: PLASTIC LIMIT	ATTERBERG LIMITS: PLASTICITY INDEX	SIEVE #200 (% PASS)
85			Well graded sand with gravel, very dense, moist, gray brown *(continued)*												
235				MC		50	27-50								
	90														
240				SPT		100	17-39-46 (85)								
	95														
245				MC		61	26-50								
	100														
250				SPT		100	14-34-31 (65)								

Los Angeles County Department of Public Works
Geotechnical and Materials Engineering Division
900 South Fremont Avenue, Alhambra, CA 91803

BORING NUMBER MW-3
PAGE 1 OF 4

CLIENT Stormwater Planning
PROJECT NAME Monteith Park and View Park Median
PROJECT NUMBER F21816I12
PROJECT LOCATION Baldwin Hills

Drilling Contractor:	**Gregg Drilling**	Boring Location: **View Park Median**	Drilled Total Depth: **101.5** ft.	Logged By:	**KP**
Drilling Method:	**Hollow Stem Auger**	Lat. and Long Coordinates: **34.003978, -118.332877**	Approxiate Surface Elevation: **148** ft.	Checked By:	**YH**
Drill Rig Type:	**CME 95**	Drill Bit Diameter: **8** in.	Depth to Groundwater: **N/A** ft.	Inclination/ Bearing (°):	**90**
Hammer Description:	**140 lb. Auto Hammer**	Finished Diameter: **8** in.	Date(s) Drilled: **4/3/2017** to **4/3/2017**		

ELEVATION (ft)	DEPTH (ft)	GRAPHIC	MATERIAL DESCRIPTION	SAMPLE TYPE	SAMPLE NUMBER	RECOVERY (%)	BLOW COUNTS (N VALUE)	COMMENTS	DRY UNIT WEIGHT (pcf)	MOISTURE CONTENT (%)	#4 SIEVE (% PASS)	ATTERBERG LIMITS: LIQUID LIMIT	ATTERBERG LIMITS: PLASTIC LIMIT	ATTERBERG LIMITS: PLASTICITY INDEX	SIEVE #200 (% PASS)
150	0		Grass and topsoil												
			Clayey sand, stiff, moist, dark brown, few gravel (Alluvium)												
155	5		Silty sand, loose, moist, reddish brown, few gravel	MC		100	3-4-8 (12)								
160	10		Clay, stiff, moist, brown, medium plasticity	SPT		100	5-8-10 (18)								
165	15			MC		100	3-4-5 (9)								
170	20			SPT		100	7-9-12 (21)								
	25														

(Continued Next Page)

Los Angeles County Department of Public Works
Geotechnical and Materials Engineering Division
900 South Fremont Avenue, Alhambra, CA 91803

BORING NUMBER MW-3
PAGE 2 OF 4

CLIENT Stormwater Planning
PROJECT NAME Monteith Park and View Park Median
PROJECT NUMBER F21816I12
PROJECT LOCATION Baldwin Hills

ELEVATION (ft)	DEPTH (ft)	GRAPHIC	MATERIAL DESCRIPTION	SAMPLE TYPE	SAMPLE NUMBER	RECOVERY (%)	BLOW COUNTS (N VALUE)	COMMENTS	DRY UNIT WEIGHT (pcf)	MOISTURE CONTENT (%)	#4 SIEVE (% PASS)	ATTERBERG LIMITS: LIQUID LIMIT	ATTERBERG LIMITS: PLASTIC LIMIT	ATTERBERG LIMITS: PLASTICITY INDEX	SIEVE #200 (% PASS)
	25		Silty sand, dense, moist, brown, locally clayey; fine- to medium-grained sand, poorly graded												
175				MC		100	6-10-19 (29)								
	30		Poorly graded gravel with silts and sands, very dense, moist, reddish brown	SPT		67	16-50								
180															
	35			MC		67	18-50								
185			Fat clay, stiff, moist, gray brown, high plasticity												
	40			SPT		100	6-8-14 (22)								
190															
	45			MC		100	7-10-16 (26)								
195			Silt, very stiff, moist, grayish brown												
	50			SPT		100	7-15-22 (37)								
200			Silty sand, stiff, moist, medium gray, mottled with reddish brown												

(Continued Next Page)

Los Angeles County Department of Public Works
Geotechnical and Materials Engineering Division
900 South Fremont Avenue, Alhambra, CA 91803

BORING NUMBER MW-3
PAGE 3 OF 4

CLIENT Stormwater Planning
PROJECT NAME Monteith Park and View Park Median
PROJECT NUMBER F21816I12
PROJECT LOCATION Baldwin Hills

ELEVATION (ft)	DEPTH (ft)	GRAPHIC	MATERIAL DESCRIPTION	SAMPLE TYPE	SAMPLE NUMBER	RECOVERY (%)	BLOW COUNTS (N VALUE)	COMMENTS	DRY UNIT WEIGHT (pcf)	MOISTURE CONTENT (%)	#4 SIEVE (% PASS)	ATTERBERG LIMITS: LIQUID LIMIT	ATTERBERG LIMITS: PLASTIC LIMIT	ATTERBERG LIMITS: PLASTICITY INDEX	SIEVE #200 (% PASS)
55			Silty sand, stiff, moist, medium gray, mottled with reddish brown *(continued)*												
205			Clay with sand, very stiff, moist, reddish brown	MC		100	4-7-15 (22)								
	60			SPT		100	12-15-50 (65)								
210															
	65		Silty clay, very stiff, moist, brown	MC		100	5-7-10 (17)								
215															
	70			SPT		100	8-15-27 (42)								
220															
	75		Silt, hard, moist, gray	MC		100	18-15-16 (31)								
225															
	80														
230				SPT		56	29-50								

(Continued Next Page)

Los Angeles County Department of Public Works
Geotechnical and Materials Engineering Division
900 South Fremont Avenue, Alhambra, CA 91803

BORING NUMBER MW-3
PAGE 4 OF 4

CLIENT Stormwater Planning
PROJECT NAME Monteith Park and View Park Median
PROJECT NUMBER F21816I12
PROJECT LOCATION Baldwin Hills

ELEVATION (ft)	DEPTH (ft)	GRAPHIC	MATERIAL DESCRIPTION	SAMPLE TYPE	SAMPLE NUMBER	RECOVERY (%)	BLOW COUNTS (N VALUE)	COMMENTS	DRY UNIT WEIGHT (pcf)	MOISTURE CONTENT (%)	#4 SIEVE (% PASS)	ATTERBERG LIMITS: LIQUID LIMIT	ATTERBERG LIMITS: PLASTIC LIMIT	ATTERBERG LIMITS: PLASTICITY INDEX	SIEVE #200 (% PASS)
85			Silty sand, very dense, moist, brown, fine- to medium- grained *(continued)*												
235				MC		67	50-50								
	90		Poorly graded gravel, very dense, slightly moist, light brown												
240			Well graded sand with gravel, very dense, light brown to gray	SPT		100	27-38-42 (80)								
	95														
245				MC		61	38-50								
	100														
250				SPT		100	33-38-42 (80)								

DR-23

DRAFTER	DESIGNER	CHECKER	CADD PROJECT FILE NAME
N. LASAO	N. LASAO	R. LUI	SWQ0000005.DGN

DATE	MK	DESCRIPTION

REVISIONS

REGISTERED PROFESSIONAL ENGINEER
JOSE JULIAN URQUIZO
No. 85500
CIVIL
STATE OF CALIFORNIA

12/30/2020
PROJECT ENGINEER — DATE

LOS ANGELES COUNTY PUBLIC WORKS

MONTEITH PARK AND VIEW PARK GREEN ALLEY STORMWATER IMPROVEMENTS

VIEW PARK GREEN ALLEY
LOG OF BORINGS

PROJECT ID NO. SWQ0000005

CAPITAL PROJECT NO. CP-69813

SHEET 23 OF 23

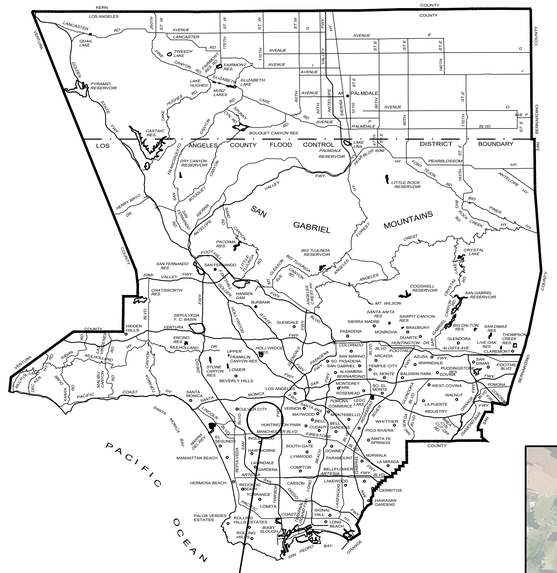
PLAN DR

LOS ANGELES COUNTY
PUBLIC WORKS
LANDSCAPE IMPROVEMENTS

LANDSCAPE PLAN
REVIEWED AND ACCEPTED
For Water Efficient Landscape Ordinance (MWELO) COMPLIANCE
REVIEWED BY: _____ DATE 9/1/22
COUNTY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS
LAND DEVELOPMENT DIVISION

SHEET INDEX

MONTEITH PARK AND VIEW PARK
GREEN ALLEY STORMWATER IMPROVEMENTS
PROJ ID NO: SWQ0000005 **EIMP2021000420**



VICINITY MAP NTS
TG 673-(E4)

NORTH

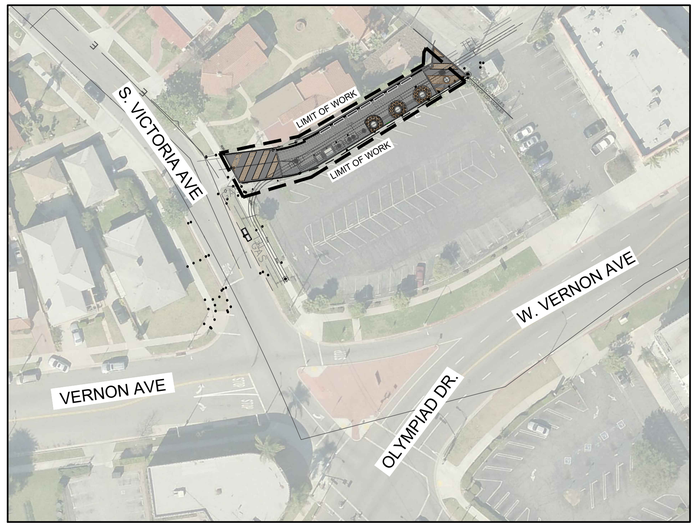
MONTEITH PARK

ADDRESS: Monteith Park, View Park, CA 90043

VIEW PARK GREEN ALLEY

ADDRESS: Alleyway next to 4356 S Victoria Ave
Los Angeles, CA 90008

MONTEITH PARK



VIEW PARK GREEN ALLEY

KEY MAP
NTS

NORTH

ABBREVIATION / ACRONYM LEGEND

⌒	ARC LENGTH
&	AND
@	AT
℄	CENTERLINE
Ø	DIAMETER
#	NUMBER OR POUNDS
AC	ASPHALTIC CONCRETE
AD	AREA DRAIN
AGG.	AGGREGATE
ALT.	ALTERNATIVE
ARCH.	ARCHITECT
ASPH.	ASPHALT
AVE.	AVENUE
B.C.	BOTTOM OF CURB OR BEGINNING OF CURVE
BLDG.	BUILDING
BLVD.	BOULEVARD
B.M.	BENCH MARK
B.W.	BOTH WAYS
C.B.	CATCH BASIN
C.J.	CONTROL JOINT
C.L.	CHAIN LINK
CLR.	CLEAR
C.M.U.	CONCRETE MASONRY UNIT
C.O.	CLEAN OUT
CONC.	CONCRETE
CONT.	CONTINUOUS, CONTINUED
CNTR.	CENTER/S
DEPT.	DEPARTMENT
DET.	DETAIL
D.F.	DOUGLAS FIR
D.G.	DECOMPOSED GRANITE
DIA.	DIAMETER
DIM.	DIMENSION
DPW.	DEPARTMENT OF PUBLIC WORKS
DWG.	DRAWING
DWP.	DEPARTMENT OF WATER AND POWER
E.	EAST OR EXISTING
EXIST.	EXISTING
EA.	EACH
E.J.	EXPANSION JOINT
ELEV.	ELEVATION
ELEC.	ELECTRICAL
EQ.	EQUAL, EQUALLY
EQUIP.	EQUIPMENT
F.G.	FINISHED GRADE
F.H.	FIRE HYDRANT
F.F.E.	FINISHED FLOOR ELEVATION
F.L.	FLOW LINE
F.S.	FINISHED SURFACE
FT.	FEET OR FOOT
GA.	GAUGE
GALV.	GALVANIZED
G.V.	GATE VALVE
G.W.	GUY WIRE
HDPE	HIGH DENSITY POLYETHYLENE
H.B.	HOSE BIBB
HORIZ.	HORIZONTAL
H.P.	HIGH POINT
HT.	HEIGHT
I.D.	INSIDE DIAMETER
INV.	INVERT
IRR.	IRRIGATION
JT.	JOINT
L.	LONG OR LENGTH
LBS.	POUNDS
L.O.W.	LIMIT OF WORK
LT.	LIGHT
MAX.	MAXIMUM
MECH.	MECHANICAL
MFR.	MANUFACTURER
M.H.	MANHOLE
MIN.	MINIMUM
MISC.	MISCELLANEOUS
N	NORTH
N.I.C.	NOT IN CONTRACT
NO.	NUMBER
NOM.	NOMINAL
N.T.S.	NOT TO SCALE
O.C.	ON CENTER
O.D.	OUTSIDE DIAMETER
P.A.	PLANT AREA
P.B.	PULL BOX
PERF.	PERFORATED
P.L.	PROPERTY LINE
PLYWD.	PLYWOOD
P.O.C.	POINT OF CONNECTION
P.P.	POWER POLE
PREFAB.	PREFABRICATED
PROP.	PROPERTY
P.T.	PRESSURE TREATED
PVMT.	PAVEMENT
Q.C.	QUICK COUPLER
R.	RISERS OR RADIUS
RAD.	RADIUS
R.C.V.	REMOTE CONTROL VALVE
RD.	ROAD
REINF.	REINFORCED
REV.	REVISED OR REVISION
R.O.W.	RIGHT OF WAY
RWD.	REDWOOD
S.	SOUTH
SCE	SOUTHERN CALIFORNIA EDISON
SCH.	SCHEDULE
S.D.	STORM DRAIN
SEC.	SECTION
SHT.	SHEET
SIM.	SIMILAR
SPEC.	SPECIFICATION
SQ.	SQUARE
ST.	STREET
SYM.	SYMBOL
T.	TREADS
T.C.	TOP OF CURB
T.O.D.	TOP OF DRAIN
TEL.	TELEPHONE
TEMP.	TEMPORARY
T.G.	TOP OF GRADE
T & G.	TONGUE AND GROOVE
T.P.	TOP OF PAVEMENT
T.W.	TOP OF WALL
TYP.	TYPICAL
U.O.N.	UNLESS OTHERWISE NOTED
U.P.R.R.	UNION PACIFIC RAILROAD
V.	VALVE
V.B.	VALVE BOX
VERT.	VERTICAL
V.I.F.	VERIFY IN FIELD
VOL.	VOLUME
W.	WEST OR WIDE
W/	WITH
WD.	WOOD
W.H.	WEEP HOLE
W.I.	WROUGHT IRON
W.M.	WATER METER
WP.	WATERPROOF (ING)
WT.	WEIGHT
W.W.F.	WOVEN WIRE FABRIC
W.W.M.	WELDED WIRE MESH

NOTE:
SOME ABBREVIATIONS ON THE DRAWINGS MAY NOT HAVE PERIODS AS PART OF THE ABBREVIATION. DELETION OF PERIOD SHALL NOT ALTER MEANING.

LANDSCAPE PERMIT REQUIRED PRIOR TO ROUGH GRADE APPROVAL

BUILDING AND SAFETY DIVISION
Department of Public Works
DRAINAGE & GRADING APPROVED
UNDER LOS ANGELES COUNTY CODE
TITLE 26
jzhang
PUBLIC WORKS
08/23/2022 4:26:16 PM
This set of plans and specifications must be kept at the job site at all times and it is unlawful to make any changes, modifications or alterations to these plans or specifications without the prior written permission of the Building Official. The stamping of this set of plans and specifications SHALL NOT, under any circumstances, be deemed to permit or to be an approval of any work or activity that violates any provisions of any County Ordinance or State Law.

WATER PURVEYOR CONTACT INFORMATION:
CALIFORNIA AMERICAN WATER
ATTN: JOSUE NAVARRO
8657 GRAND AVE
ROSEMEAD, CA 91770
626-614-2534

NOTES

LANDSCAPE AND IRRIGATION SYSTEM AT PARK WILL BE MAINTAINED BY LOS ANGELES COUNTY DEPARTMENT OF PARKS AND RECREATION.
LANDSCAPE AND IRRIGATION SYSTEM AT ALLEYWAY WILL BE MAINTAINED BY LOS ANGELES COUNTY PUBLIC WORKS.

STREET TREES WITHIN PUBLIC RIGHT-OF-WAY ARE TO BE PLANTED PER APPROVED STREET IMPROVEMENT

ALL HARDSCAPES, RETAINING WALLS, SWIMMING POOLS, AND/OR BLOCK WALLS MUST BE REVIEWED AND APPROVED UNDER A SEPARATE PERMIT

TREE CANOPIES ARE SHOWN AT FULL MATURITY

CALL 8-1-1 TOLL FREE
811
TWO WORKING DAYS BEFORE YOU DIG

DATE	MK	DESCRIPTION

REVISIONS

LICENSED LANDSCAPE ARCHITECT
KHAI K. CHUNG NO. 5047
STATE OF CALIFORNIA
Signature
12/31/2022
Renewal Date
05/26/2022
Date
PROJECT LANDSCAPE ARCHITECT DATE

LOS ANGELES COUNTY PUBLIC WORKS

MONTEITH PARK AND VIEW PARK
GREEN ALLEY STORMWATER IMPROVEMENTS
LANDSCAPE IMPROVEMENTS
TITLE SHEET
PROJ ID NO. SWQ0000005 LS-0.00

CAPITAL PROJECT NO. CP-69813 | SHEET 1 OF 18

DATE: 8/3/2022

PLAN LS

CADD FILE NAME: E:\00 TITLE SHEET.dwg
PLOT DATE: 8/3/2022

CONSTRUCTION MATERIALS LEGEND

SYMBOL	NUMBER	DESCRIPTION	TYPE	SIZE	COLOR / FINISH	MANUFACTURER / MODEL	DETAIL
	1	CONCRETE HEADER (TYPE 1)	6" WIDE HEADER, PCC 560-C-3250	6" X 12"	NATURAL GRAY / BROOM FINISH	---	DET E / LS-1.05
	2	CONCRETE HEADER (TYPE 2)	12" WIDE HEADER, PCC 560-C-3250	12" X 18"	NATURAL GRAY / BROOM FINISH	---	DET E / LS-1.05
	3	CURB RAMP, PAVING, AND STRUCTURE PER PLAN DR					REFER TO PLAN DR-15
	4	CONCRETE SEAT WALLS	PCC 560-C-3250	---	NATURAL GRAY / LIGHT SANDBLAST FINISH	---	DET A / LS-1.05
	5	DECORATIVE BOULDERS	ROUND GRANITE BOULDERS, REFER TO SPECIAL PROVISIONS	18" - 3'	---	REFER TO SPECIAL PROVISIONS	DET A / LS-1.06
	6	CONCRETE PAVING	4" THICK, PCC 520-C-2500	4" THICK	NATURAL GRAY / BROOM FINISH	---	DET C / LS-1.05
	7	PERVIOUS CONCRETE, 6" THICK (CONC WALKWAY)	REFER TO DETAIL FOR PCC MIX	6" THICK	LIGHT GRAY / BROOM FINISH	REFER TO SPECIAL PROVISIONS	DET D / LS-1.05
	8	COLORED CONCRETE (TYPE 1)	MONTEITH PARK - 4" THICK, PCC 520-C-2500 ALLEY WAY - 8" THICK, PCC PER PLAN DR	---	DARK GRAY / MEDIUM BROOM FINISH	REFER TO SPECIAL PROVISIONS	DET C / LS-1.05
	9	COLORED CONCRETE (TYPE 2)	ALLEY WAY - 8" THICK, PCC MIX PER PLAN DR	---	MEDIUM GRAY / MEDIUM BROOM FINISH	REFER TO SPECIAL PROVISIONS	REFER TO PLAN DR
	10	PERMEABLE PAVERS	CONCRETE UNIT PAVER, REFER TO PLAN DR	80 mm	MEDIUM BROWN	---	REFER TO PLAN DR
	11	RIVER ROCK IN CONCRETE	RIVER ROCK SIZE: 4" - 8" PER SPECIAL PROVISIONS, CONCRETE - 8" THICK, PCC MIX PER PLAN DR		GRAY / TAN	---	REFER TO PLAN DR
	12	RIVER ROCK COBBLE	ROUND GRANITE COBBLE, REFER TO SPECIAL PROVISIONS	6" - 8" DIA.	NATURAL GRAY	REFER TO SPECIAL PROVISIONS	DET C / LS-1.06
	13	CURB CUT - TYP.					DET B / LS-1.06
	14	ADA COMPANION SEATING	60" X 60" ADA CLEAR FLOOR SPACE 4" THICK CONCRETE PAD, PCC 520-C-2500	4" THICK	LIGHT GRAY / MEDIUM BROOM FINISH	---	DET C / LS-1.05
	15	CONCRETE PARK BENCH W/ANTI-SKATE BUMPS (W/ NEW 4" THICK CONCRETE PAD)	CONCRETE PARK BENCH PER SPECIAL PROVISIONS, 4" THICK CONCRETE PAD: PCC 520-C-2500	7'	SAND TAN	BY OUTDOOR CREATIONS, REFER TO SPECIAL PROVISIONS	DET G / LS-1.05
	16	EXISTING PARK BENCH TO REMAIN	---	---	---	---	---
	17	TRASH RECEPTACLE (W/ NEW 4" THICK CONCRETE PAD)	TRASH RECEPTACLE PER SPECIAL PROVISIONS, 4" THICK CONCRETE PAD: PCC 520-C-2500	---	SAND TAN	BY OUTDOOR CREATIONS, REFER TO SPECIAL PROVISIONS	DET G / LS-1.05
	18	EXISTING TRASH RECEPTACLE TO REMAIN	---	---	---	---	---
ADA	19	CONCRETE PICNIC TABLE ADA ACCESSIBLE	CONCRETE PICNIC TABLE ADA ACCESSIBLE PER SPECIAL PROVISIONS	7'	SAND TAN	BY OUTDOOR CREATIONS, REFER TO SPECIAL PROVISIONS	---
	20	CONCRETE PICNIC TABLE	CONCRETE PICNIC TABLE PER SPECIAL PROVISIONS	7'	SAND TAN	BY OUTDOOR CREATIONS, REFER TO SPECIAL PROVISIONS	---
SIGN	21A-C	INTERPRETIVE SIGN	---	---	GREEN	REFER TO SPECIAL PROVISIONS	DET D & E / LS-1.06
	22	PARK MONUMENT SIGN (REFER TO PLAN E FOR MONUMENT SIGN UPLIGHTING)	---	---	---	REFER TO SPECIAL PROVISIONS	DET A / LS-1.07
	23	PARK LIGHT	REFER TO PLAN E	---	---	---	---
	24	ENGINEERED PERMEABLE PAVER WITH GRASS SURFACE	REFER TO PLAN DR	---	---	---	---
	25	DRY WELL PER PLAN DR	---	---	---	---	---
	26	ATRIUM DRAIN	ROUND PLASTIC	4" DIA.	---	GREEN	DET C / LS-1.06
	27	HDPE PERFORATED PIPE	HDPE PERFORATED PIPE PER SPECIAL PROVISIONS	4" DIA.	---	---	DET C / LS-1.06
	28	ADA DRINKING FOUNTAIN AND ADA CLEAR SPACE PER LATEST EDITION OF LA COUNTY BUILDING CODE AND REQUIREMENTS	ADA DRINKING FOUNTAIN PER SPECIAL PROVISIONS AND REFER TO GENERAL CONSTRUCTION NOTES	---	GREEN	HAWS, MODEL: 3300	DET B / LS-1.05
	29	RAISED 8 FT LONG PLANTER W/TRELLIS	RAISED PLANTER, PER SPECIAL PROVISIONS	---	BLACK	REFER TO SPECIAL PROVISIONS	DET G / LS-1.05
GRANT SIGN A	30	GRANT SIGN (TYPE A)	GRANT SIGN (TYPE A) PER SPECIAL PROVISIONS	4.5' X 7' OF PANEL, TOP OF SIGN 9' HIGH	---	REFER TO SPECIAL PROVISIONS	DET F / LS-1.05
GRANT SIGN B	31	GRANT SIGN (TYPE B)	GRANT SIGN (TYPE B) PER SPECIAL PROVISIONS	18" X 24", HEIGHT PER DETAIL	---	REFER TO SPECIAL PROVISIONS	DET D / LS-1.06
	32	ADA PATH OF TRAVEL	---	---	---	---	---
	33	REMOVABLE LOCKING BOLLARD	REFER TO SPECIAL PROVISIONS AND GENERAL CONSTRUCTION NOTES		GREEN	REFER TO SPECIAL PROVISIONS	

GENERAL CONSTRUCTION AND REMOVAL NOTES:

1. THE CONTRACTOR SHALL BRING TO THE ATTENTION OF THE ENGINEER ANY PERCEIVED DISCREPANCY BEFORE THE START OF CONSTRUCTION.

2. THE CONTRACTOR SHALL VERIFY THE DEPTH OF UTILITY LINES PRIOR TO ALL CONSTRUCTION WORK. UTILITY INFORMATION LISTED IS FOR PRELIMINARY REFERENCE ONLY.

3. MINIMUM HORIZONTAL AND VERTICAL CLEARANCES FROM EXISTING UTILITY LINES AND FACILITIES SHALL BE 18" EXCEPT FOR GAS COMPANY UTILITY LINES, WHICH SHALL BE 24" OR PER REVIEW AND APPROVAL FROM THE ENGINEER.

4. ALL EXISTING TURF AREAS DESIGNATED FOR NEW TURF AND PLANTING AREAS AS SHOWN ON THE PLANTING PLANS SHALL BE REMOVED TO A DEPTH OF 3" AND IN ACCORDANCE TO THE PROPOSED GRADING PLAN.

5. CONTOUR GRADING SHOWN ARE FOR ROUGH GRADING. REFER TO CONSTRUCTION DETAILS FOR FINISH SURFACES AND FINISH GRADE ELEVATIONS WHERE PROPOSED CONTOUR GRADES CROSS CONCRETE WALKWAY, BIOSWALES, AND OTHER IMPROVEMENTS. ANY WORK DONE WITHIN THE DRIPLINE OF EXISTING TREES SHALL BE PERFORMED CAREFULLY BY HAND AND NO HEAVY EQUIPMENT SHALL BE ALLOWED WITHIN THE DRIP LINE. REFER TO THE TREE PROTECTION PLAN.

6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE WATERING OF THE EXISTING TREES TO REMAIN. COORDINATION WITH THE POSSIBLE INTERRUPTION OF SERVICE FOR THE INSTALLATION OF THE NEW WATER METER AT THE PARK MAY REQUIRE A TEMPORARY WATER SERVICE TO DELIVER THE WATER NECESSARY FOR THE TREE'S REQUIREMENTS. ALL EXISTING TREES ARE EXPECTED TO REMAIN AT THE SAME LEVEL OF HEALTH, OR BETTER, THAN AT THE START OF THE CONTRACT, OTHERWISE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY REPLACEMENT OF THE TREES DEEMED NOT ACCEPTABLE AS REVIEWED BY THE AGENCY'S ARBORIST.

7. THE CONTRACTOR SHALL LAY OUT FLATWORK FORMS, MARK LOCATIONS FOR SITE IMPROVEMENTS, AND OBTAIN APPROVAL FROM THE ENGINEER PRIOR TO COMMENCEMENT OF WORK.

8. PROPOSED WALKING OR ADA ACCESS CONCRETE PAVING AND OTHER HARDSCAPE MATERIALS WITH A PROPOSED FINISH SURFACE PER PLANS SHALL HAVE SHALL LESS THAN 2% CROSS SLOPE AND NOT EXCEED 5% IN LONGITUDINAL SLOPE.

9. PERMEABLE PAVERS, REFER TO SPECIAL PROVISIONS FOR MORE INFORMATION INCLUDING LIST OF ACCEPTABLE MANUFACTURERS FOR THE CONTRACTOR TO SELECT.
   9.1 CONTRACTOR SHALL INSTALL PERMEABLE PAVERS PER PLANS WITH LAYOUT IN A RUNNING BOND PATTERN WITH THE LONGEST DIMENSION OF THE PERMEABLE PAVER UNIT SUCH THAT THE PROPOSED LAYOUT OF PERMEABLE PAVERS ARE PARALLEL WITH THE LONG AXIS OF PAVER WITH THE ALIGNMENT OF THE PROPOSED INTERVAL BAND/STRIPE SHOWN FOR PERMEABLE PAVERS.

   9.2 CONTRACTOR SHALL PROVIDE PERMEABLE PAVER UNITS IN THE PROPOSED STRIPING AND PANEL WIDTHS SHOWN ON THE PLANS SHALL USE THE WHOLE WIDTH AND UNCUT ALONG THE LONG AXIS OF THE PERMEABLE PAVER UNIT. THE INTENT IS TO USE UNCUT WIDTH OF THE PERMEABLE PAVER.

   9.3 CONTRACTOR SHALL PROVIDE THE PROPOSED LAYOUT AND PROVIDE THE MINIMUM WIDTH SHOWN ON THE PLANS USING THE FULL WIDTH OF PERMEABLE PAVER UNIT TO ACHIEVE DESIGN INTENT.

   9.4 CONTRACTOR SHALL LAYOUT 4 FOOT BY 4 FOOT SAMPLE OF PROPOSED PERMEABLE PAVERS FOR REVIEW AND OBTAIN APPROVAL FROM THE ENGINEER PRIOR TO COMMENCEMENT OF WORK.

   9.5 PERMEABLE PAVERS REQUIRE DRAINAGE, REFER TO CIVIL PLANS AND COORDINATE MATERIALS AND REQUIREMENTS PRIOR TO PLACEMENT OF PAVERS AND PAVEMENT.

10. ALL SITE FURNISHINGS' HARDWARE SHALL BE VANDAL/TAMPER PROOF STAINLESS STEEL HARDWARE. AFTER APPROVAL FROM THE ENGINEER, SECURE ALL ANCHOR BOLTS BY TACK WELDING.

11. CONTRACTOR SHALL REMOVE EXISTING IRRIGATION VALVES THAT ARE NO LONGER IN USE DUE TO PROPOSED IRRIGATION SYSTEM. BACKFILL HOLES LEFT FROM REMOVED EQUIPMENT SHALL BE FILLED WITH SOIL AND FINISH GRADE SHALL BE LEVEL AND FLUSH WITH ADJACENT FINISHED GRADES.

12. WHERE UTILITY BOXES ARE IN CONFLICT WITH PROPOSED DESIGN, CONTRACTOR SHALL RELOCATE TO ACCOMMODATE THE PROPOSED DESIGN. OBTAIN REVIEW AND APPROVAL FROM THE ENGINEER PRIOR TO INSTALLATION. PROPOSED DESIGN SHALL BE ADJUSTED PER THE ENGINEER'S DISCRETION TO ACCOMMODATE AND ADJUST THE DESIGN PER FIELD CONDITIONS.

13. INSTALL IN-GROUND MOUNT FOR NEW DRINKING FOUNTAIN PER MANUFACTURER AND MODEL LISTED IN CONSTRUCTION LEGEND AND PER MANUFACTURER'S REQUIREMENTS.

   13.1 THE CONTRACTOR SHALL REMOVE AND SALVAGE ON-SITE, EXISTING DRINKING FOUNTAIN AND EQUIPMENT IDENTIFIED BY THE DEPARTMENT OF PARKS AND RECREATION (DPR) REPRESENTATIVE. CONTACT DPR REPRESENTATIVE (2) WEEKS PRIOR TO REMOVAL OF EXISTING DRINKING FOUNTAIN FOR COORDINATION OF TURNOVER.

   13.2 CONNECT PROPOSED DRINKING FOUNTAIN TO 4" HDPE PIPE TO DRAIN IN PROPOSED BIOSWALE PER PLANS.

14. AMERICAN WITH DISABILITIES ACT (ADA) REQUIREMENTS SHALL BE MET PER THE LATEST VERSION OF THE LOS ANGELES COUNTY BUILDING CODE. THE WORK SHALL CONFORM TO ALL APPLICABLE CODES RELATED TO ADA REQUIREMENTS, A PARTIAL LIST INCLUDES: ADA COMPANION SEATING, DRINKING FOUNTAINS, PARALLEL APPROACH AND PATH OF TRAVEL. SHALL CONFORM WITH ALL REQUIREMENTS PER CALIFORNIA BUILDING CODE, CHAPTER 11B-221.3; 11B-305; 11B-902; 11B-602; 11B-305.7.2

15. SURFACE MOUNT RAISED PLANTER PER MANUFACTURER'S RECOMMENDATIONS AND REFER TO "CONCRETE PAD FOR SITE AMENITIES" FOR VANDAL PROOF ANCHOR MATERIALS AND REQUIREMENTS. OBTAIN REVIEW AND APPROVAL FROM ENGINEER PRIOR TO PLACEMENT.

16. REMOVABLE LOCKING BOLLARD WITH FOOTING PER MANUFACTURER'S RECOMMENDATIONS USING STAINLESS STEEL/TAMPER PROOF HARDWARE. OBTAIN REVIEW AND APPROVAL FROM ENGINEER PRIOR TO PLACEMENT. CONTRACTOR SHALL PROVIDE SHOP DRAWING FOR PROPOSED FOOTING FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION . CONTRACTOR SHALL AT A MIN. PLACE ACCEPTED FOOTING ON 6" COMPACT CRUSHED MISC. BASE OVER COMPACT SUBGRADE AT 90% RELATIVE COMPACTION.

17. CONTRACTOR SHALL MAINTAIN AN ACCURATE "AS-BUILT" RECORD SET OF PLANS FOR ALL WORK PERFORMED UNDER THIS CONTRACT. THESE "AS-BUILT" PLANS SHALL SHOW ALL CHANGES MADE TO THE ORIGINAL PLANS AND SPECIFICATIONS, INCLUDING EXACT "AS-BUILT" LOCATIONS, SIZES AND KINDS OF EQUIPMENT/ MATERIALS PROVIDED. THE FINAL "AS-BUILT" RECORD SET OF PLANS SHALL BE SUBMITTED TO THE AGENCY AT THE COMPLETION OF WORK, PRIOR TO THE START OF THE PLANT ESTABLISHMENT PERIOD.

SURVEY MONUMENT NOTE:

CONTRACTOR TO PROTECT AND PRESERVE IN PLACE ALL EXISTING SURVEY MONUMENTS. ANY DISTURBED MONUMENTS SHALL BE RESET BY A LICENSED LAND SURVEYOR AND THE APPROPRIATE CORNER RECORD MUST BE FILED WITH LOS ANGELES COUNTY.

CALL 8-1-1 TOLL FREE 811 TWO WORKING DAYS BEFORE YOU DIG

DATE	MK	DESCRIPTION
		REVISIONS

LICENSED LANDSCAPE ARCHITECT — MARK K. CHUNG NO. 5047 — STATE OF CALIFORNIA
Signature
12/31/2022
Renewal Date
05/26/2022
Date
PROJECT LANDSCAPE ARCHITECT DATE

LOS ANGELES COUNTY PUBLIC WORKS

MONTEITH PARK AND VIEW PARK GREEN ALLEY STORMWATER IMPROVEMENTS

LANDSCAPE IMPROVEMENTS

CONSTRUCTION NOTES AND LEGEND

PROJ ID NO. SWQ0000005

LS-1.00

CAPITAL PROJECT NO. CP-69813 | SHEET 2 OF 18

PLAN LS

DATE: 8/3/2022

CADD FILE NAME: 1.00 CONSTRUCTION PLAN.dwg

PLOT DATE: 8/28/2022

GENERAL GRADING NOTES:

1. ALL GRADING AND CONSTRUCTION SHALL CONFORM TO THE 2020 COUNTY OF LOS ANGELES BUILDING CODES AND THE STATE MODEL WATER EFFICIENCY LANDSCAPE ORDINANCE UNLESS SPECIFICALLY NOTED ON THESE PLANS.

2. ANY MODIFICATIONS OF OR CHANGES TO APPROVED GRADING PLANS MUST BE APPROVED BY THE BUILDING OFFICIAL.

3. NO GRADING SHALL BE STARTED WITHOUT FIRST NOTIFYING THE BUILDING OFFICIAL. A PRE-GRADING MEETING AT THE SITE IS REQUIRED BEFORE THE START OF THE GRADING WITH THE FOLLOWING PEOPLE PRESENT: OWNER, GRADING CONTRACTOR, DESIGN CIVIL ENGINEER, SOILS ENGINEER, GEOLOGIST, COUNTY GRADING INSPECTOR(S) OR THEIR REPRESENTATIVES, AND WHEN REQUIRED THE ARCHEOLOGIST OR OTHER JURISDICTIONAL AGENCIES. PERMITTEE OR HIS AGENT ARE RESPONSIBLE FOR ARRANGING PRE-GRADE MEETING AND MUST NOTIFY THE BUILDING OFFICIAL AT LEAST TWO BUSINESS DAYS PRIOR TO PROPOSED PRE-GRADE MEETING.

4. APPROVAL OF THESE PLANS REFLECT SOLELY THE REVIEW OF PLANS IN ACCORDANCE WITH THE COUNTY OF LOS ANGELES BUILDING CODES AND DOES NOT REFLECT ANY POSITION BY THE COUNTY OF LOS ANGELES OR THE DEPARTMENT OF PUBLIC WORKS REGARDING THE STATUS OF ANY TITLE ISSUES RELATING TO THE LAND ON WHICH THE IMPROVEMENTS MAY BE CONSTRUCTED. ANY DISPUTES RELATING TO TITLE ARE SOLELY A PRIVATE MATTER NOT INVOLVING THE COUNTY OF LOS ANGELES OR THE DEPARTMENT OF PUBLIC WORKS.

5. ALL GRADING AND CONSTRUCTION ACTIVITIES SHALL COMPLY WITH COUNTY OF LOS ANGELES CODE, TITLE 12, SECTION 12.12.030 THAT CONTROLS AND RESTRICTS NOISE FROM THE USE OF CONSTRUCTION AND GRADING EQUIPMENT FROM THE HOURS OF 8:00 PM TO 6:30 AM, AND ON SUNDAYS AND HOLIDAYS. (MORE RESTRICTIVE CONSTRUCTION ACTIVITY TIMES MAY GOVERN, AS REQUIRED BY THE DEPARTMENT OF REGIONAL PLANNING AND SHOULD BE SHOWN ON THE GRADING PLANS WHEN APPLICABLE.)

6. CALIFORNIA PUBLIC RESOURCES CODE (SECTION 5097.98) AND HEALTH AND SAFETY CODE (SECTION 7050.5) ADDRESS THE DISCOVERY AND DISPOSITION OF HUMAN REMAINS. IN THE EVENT OF DISCOVERY OR RECOGNITION OF ANY HUMAN REMAINS IN ANY LOCATION OTHER THAN A DEDICATED CEMETERY, THE LAW REQUIRES THAT GRADING IMMEDIATELY STOPS AND NO FURTHER EXCAVATION OR DISTURBANCE OF THE SITE, OR ANY NEARBY AREA WHERE HUMAN REMAINS MAY BE LOCATED, OCCUR UNTIL THE FOLLOWING HAS BEEN MEASURES HAVE BEEN TAKEN:

a. THE COUNTY CORONER HAS BEEN INFORMED AND HAS DETERMINED THAT NO INVESTIGATION OF THE CAUSE OF DEATH IS REQUIRED, AND

b. IF THE REMAINS ARE OF NATIVE AMERICAN ORIGIN, THE DESCENDANTS FROM THE DECEASED NATIVE AMERICANS HAVE MADE A RECOMMENDATION FOR THE MEANS OF TREATING OR DISPOSING, WITH APPROPRIATE DIGNITY, OF THE HUMAN REMAINS AND ANY ASSOCIATED GRAVE GOODS.

7. THE LOCATION AND PROTECTION OF ALL UTILITIES IS THE RESPONSIBILITY OF THE PERMITTEE.

8. ALL EXPORT OF MATERIAL FROM THE SITE MUST GO TO A PERMITTED SITE APPROVED BY THE BUILDING OFFICIAL OR A LEGAL DUMPSITE. RECEIPTS FOR ACCEPTANCE OF EXCESS MATERIAL BY A DUMPSITE ARE REQUIRED AND MUST BE PROVIDED TO THE BUILDING OFFICIAL UPON REQUEST.

9. A COPY OF THE GRADING PERMIT AND APPROVED GRADING PLANS MUST BE IN THE POSSESSION OF A RESPONSIBLE PERSON AND AVAILABLE AT THE SITE AT ALL TIMES.

10. SITE BOUNDARIES, EASEMENTS, DRAINAGE DEVICES, RESTRICTED USE AREAS SHALL BE LOCATED PER CONSTRUCTION STAKING BY FIELD ENGINEER OR LICENSED SURVEYOR. PRIOR TO GRADING, AS REQUESTED BY THE BUILDING OFFICIAL, ALL PROPERTY LINES, EASEMENTS, AND RESTRICTED USE AREAS SHALL BE STAKED.

11. THE STANDARD RETAINING WALL DETAILS SHOWN ON THE GRADING PLANS ARE FOR REFERENCE ONLY. STANDARD RETAINING WALLS ARE NOT CHECKED, PERMITTED, OR INSPECTED PER THE GRADING PERMIT. A SEPARATE RETAINING WALL PERMIT IS REQUIRED FOR ALL STANDARD RETAINING WALLS.
NOTE: THIS NOTE ONLY APPLIES TO STANDARD RETAINING WALLS. GEOGRID FABRIC AND SEGMENTAL RETAINING WALLS DO NOT REQUIRE A SEPARATE RETAINING WALL PERMIT. DETAILS AND CONSTRUCTION NOTES FOR ALL GEOGRID WALLS MUST BE ON THE GRADING PLAN.

12. A PREVENTIVE PROGRAM TO PROTECT THE SLOPES FROM POTENTIAL DAMAGE FROM BURROWING RODENTS IS REQUIRED PER SECTION J101.8 OF THE COUNTY OF LOS ANGELES BUILDING CODE. OWNER IS TO INSPECT SLOPES PERIODICALLY FOR EVIDENCE OF BURROWING RODENTS AND A FIRST EVIDENCE OF THEIR EXISTENCE SHALL EMPLOY AN EXTERMINATOR FOR THEIR REMOVAL.

13. WHERE A GRADING PERMIT IS ISSUED AND THE BUILDING OFFICIAL DETERMINES THAT THE GRADING WILL NOT BE COMPLETED PRIOR TO NOVEMBER 1, THE OWNER OF THE SITE ON WHICH THE GRADING IS BEING PERFORMED SHALL, ON OR BEFORE OCTOBER 1, FILE OR CAUSE TO BE FILED WITH THE BUILDING OFFICIAL AN ESCP PER SECTION J110.8.3 OF THE COUNTY OF LOS ANGELES BUILDING CODE.

14. TRANSFER OF RESPONSIBILITY: IF THE FIELD ENGINEER, THE SOILS ENGINEER, OR THE ENGINEERING GEOLOGIST OF RECORD IS CHANGED DURING GRADING, THE WORK SHALL BE STOPPED UNTIL THE REPLACEMENT HAS AGREED IN WRITING TO ACCEPT THEIR RESPONSIBILITY WITHIN THE AREA OF TECHNICAL COMPETENCE FOR APPROVAL UPON COMPLETION OF THE WORK. IT SHALL BE THE DUTY OF THE PERMITTEE TO NOTIFY THE BUILDING OFFICIAL IN WRITING OF SUCH CHANGE PRIOR TO THE RECOMMENCEMENT OF SUCH GRADING.

(General Information)

- Grading Permit Application No. GRAD 210520000242 *
- Earthwork Volumes Cut 284 CY (cy), Fill _____(cy) *
  Over Excavation/ Alluvial Removal & Compaction _____(cy) *
  Export 284 CY(cy), Export Location: Site determined by Contactor *
- Total Disturbed Area (lot per Co Assessor 27650 sf) 0.64 (Acres) *
- Total Proposed Landscape Area 23,617 _____Square Feet *
- Total Turf Area 73 % (Percent of Total Proposed Landscaping) *
- Total Drought Tolerant Landscaping Area 23 % (Percent of Total Proposed Landscaping) *
- Pre-Development Impervious area 0.02 (Acres) *
- Post-Development Impervious area 0.05 (Acres) *
- Waste Discharge Identification Number (WDID #) N/A
- Construction & Demolition Debris Recycling and Reuse Plan (RPP ID) _____*
- Post-construction BMP feature(s) GPS coordinates x _____, y _____

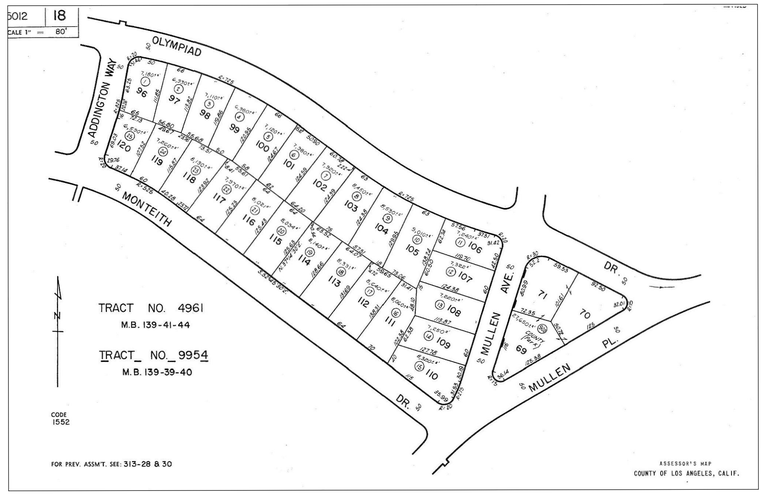
(Property Information)

- Property Address 4616 S Mullen Ave (If exist *)
- Tract / Parcel Map No. Tract No 9954 Lot/Parcel No. Lots: 69,70,71
- Property Owner LA County Park *
- Assessors ID Number(s) 5012018900 *.

(Zoning, Regional Planning, and other Agency Information)

- Property Zoning: R1 *
- Intended Land Use: Open Space Recreation *
  (For proposed graded areas - i.e. ... Single Family Residence)
- Certificate of Compliance: CC NO. N/A
- Plot Plan Number: PP NO. N/A
- Conditional Use Permit: CUP NO. N/A Expiration Date: _____
- Oak Tree Permit Number: OTP NO. N/A Expiration Date: _____
- Community Standards District: N/A

- California Coastal Commission Area: _____Yes, X_____No Approved volume: _____(cy)
- Coastal Development Permit CDP N/A Expiration Date: _____
- Fish & Wildlife, Army Corp of Engineers, Regional Water Control Board, AQMD & Other Agency Permits should be added as applicable. (Permit Number N/A, Expiration Date_____)



BUILDING AND SAFETY DIVISION
Department of Public Works
DRAINAGE & GRADING APPROVED
UNDER LOS ANGELES COUNTY CODE
TITLE 26
lzhang
PUBLIC WORKS
08/23/2022 4:26:24 PM
This set of plans and specifications must be kept at the job site at all times, and it is unlawful to make any changes, modifications or alterations to these plans or specifications without the prior written permission of the Building Official. The stamping of this set of plans and specifications SHALL NOT, under any circumstances, be deemed to permit or to be an approval of any work or activity that violates any provisions of any County Ordinance or State Law.

CALL 8-1-1 TOLL FREE
811
TWO WORKING DAYS BEFORE YOU DIG

DATE	MK	DESCRIPTION

REVISIONS

LICENSED LANDSCAPE ARCHITECT
KHAI K. CHUNG NO. 5047
Signature
12/31/2022
Renewal Date
05/26/2022
Date
STATE OF CALIFORNIA
PROJECT LANDSCAPE ARCHITECT DATE

LOS ANGELES COUNTY PUBLIC WORKS

MONTEITH PARK AND VIEW PARK GREEN ALLEY STORMWATER IMPROVEMENTS

LANDSCAPE IMPROVEMENTS

ASSESSOR MAP AND GRADING NOTES

PROJ ID NO. SWQ0000005

LS-1.01

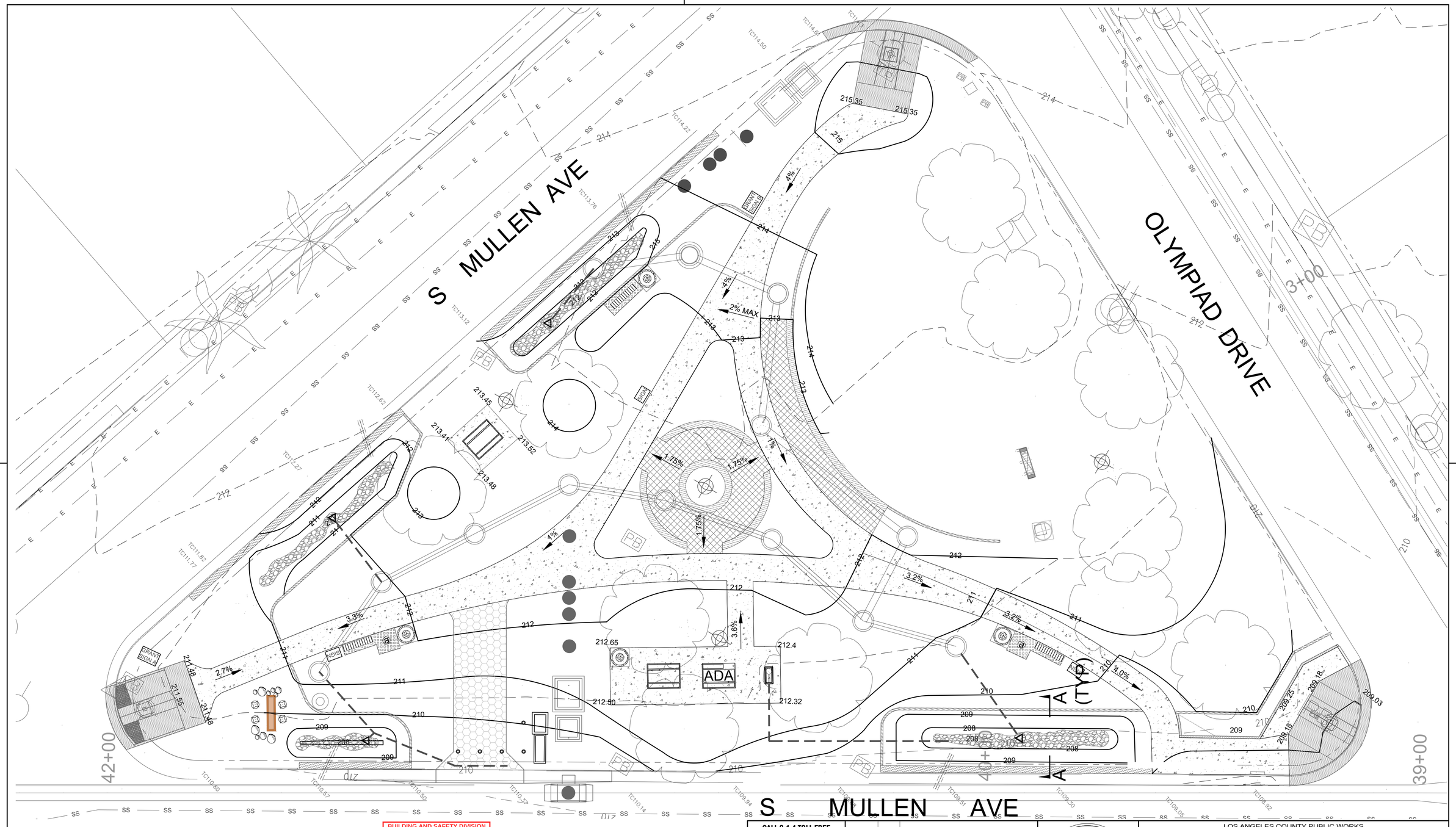
CAPITAL PROJECT NO. CP-69813 | SHEET 3 OF 18

PLAN LS

DATE: 8/3/2022

CADD FILE NAME: LW CONSTRUCTION PLAN.dwg

PLOT DATE: 8/3/2022



BUILDING AND SAFETY DIVISION
Department of Public Works
DRAINAGE & GRADING APPROVED
UNDER LOS ANGELES COUNTY CODE
TITLE 26
jzhang
08/23/2022 4:26:31 PM

This set of plans and specifications must be kept at the job site at all times, and it is unlawful to make any changes, modifications or alterations to these plans or specifications without the prior written permission of the Building Official. The stamping of this set of plans and specifications SHALL NOT, under any circumstances, be deemed to permit or to be an approval of any work or activity that violates any provisions of any County Ordinance or State Law

0 5' 10' 20' 40'
SCALE: 1" = 10'

NORTH

CALL 8-1-1 TOLL FREE
811
TWO WORKING DAYS BEFORE YOU DIG

DATE	MK	DESCRIPTION

REVISIONS

LICENSED LANDSCAPE ARCHITECT
KHAI K. CHUNG NO. 5647
STATE OF CALIFORNIA
Signature
12/31/2022
Renewal Date
05/26/2022
Date
PROJECT LANDSCAPE ARCHITECT DATE

LOS ANGELES COUNTY PUBLIC WORKS

MONTEITH PARK AND VIEW PARK GREEN ALLEY STORMWATER IMPROVEMENTS

LANDSCAPE IMPROVEMENTS

GRADING PLAN

PROJ ID NO. SWQ0000005

LS-1.02

CAPITAL PROJECT NO. CP-69813 | SHEET 4 OF 18

PLAN LS

DATE: 8/3/2022

CADD FILE NAME: LW CONSTRUCTION PLAN.dwg
PLOT DATE: 8/3/2022

S MULLEN AVE

OLYMPIAD DRIVE

EXISTING TREE: PLATANUS X HISPANICA

EXISTING TREE: PLATANUS X HISPANICA

EXISTING TREE: FRAXINUS SPP

EXISTING TREE: SEQUOIA SEMPERVIRENS

EXISTING TREE: FICUS RUBIGINOSA

EXISTING TREE: JACARANDA MIMOSIFOLIA

EXISTING TREE: JACARANDA MIMOSIFOLIA

EXISTING TREE: FRAXINUS SPP

EXISTING TREE: JACARANDA MIMOSIFOLIA

EXISTING TREE: MAGNOLIA GRANDIFLORA

EXISTING TREE: MAGNOLIA GRANDIFLORA

PROPOSED DRIVEWAY, REFER TO PLAN DR

PROPOSED ELECTRICAL PEDESTAL AND MONITOR CABINET, REFER TO PLAN EE & ME

PROPOSED STRUCTURE (TYP), REFER TO PLAN DR

(MODEL: "RECYCLING")

ADA

42+00

3+00

39+00

SCALE: 1" = 10'

NORTH

CALL 8-1-1 TOLL FREE 811 TWO WORKING DAYS BEFORE YOU DIG

DATE	MK	DESCRIPTION
		REVISIONS

LICENSED LANDSCAPE ARCHITECT KHAK. CHUNG NO. 5047 Signature 12/31/2022 Renewal Date 05/26/2022 Date STATE OF CALIFORNIA

PROJECT LANDSCAPE ARCHITECT DATE

LOS ANGELES COUNTY PUBLIC WORKS

MONTEITH PARK AND VIEW PARK GREEN ALLEY STORMWATER IMPROVEMENTS

LANDSCAPE IMPROVEMENTS

CONSTRUCTION PLAN

PROJ ID NO. SWQ0000005

LS-1.03

CAPITAL PROJECT NO. CP-69813

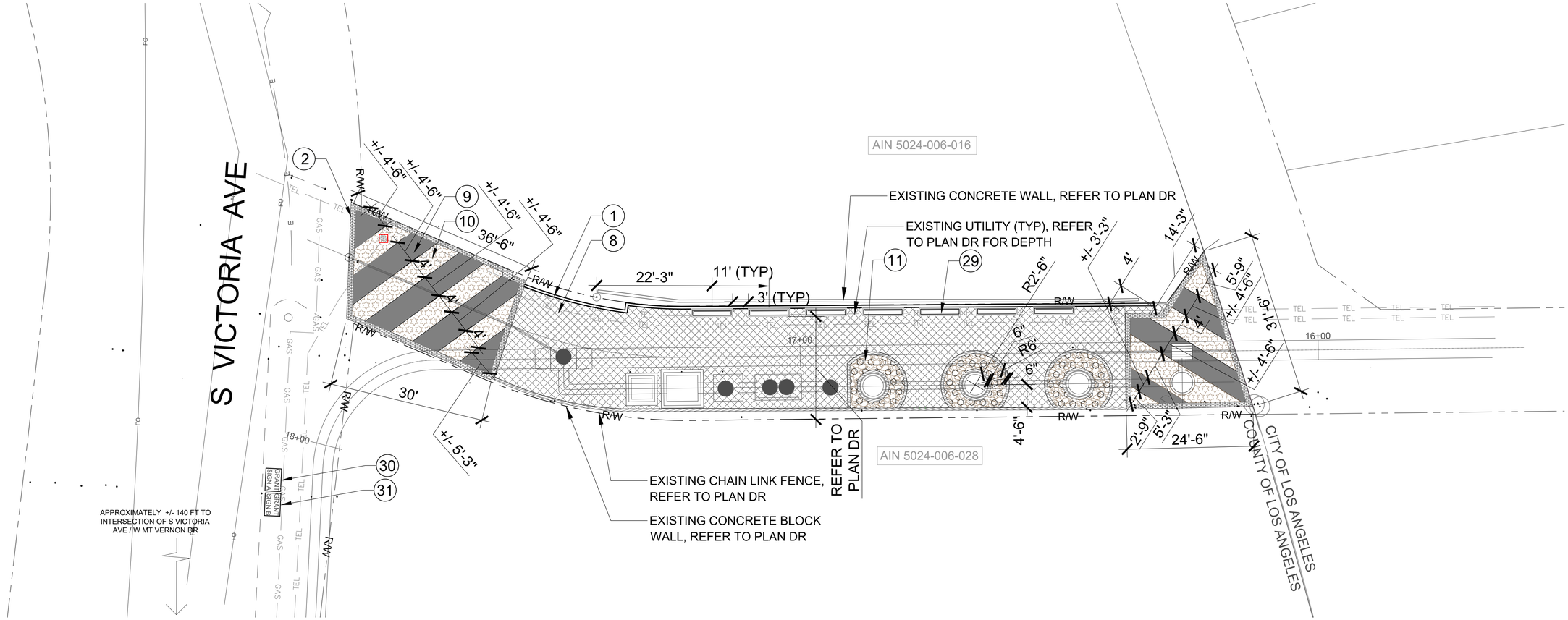
SHEET 5 OF 18

PLAN LS

DATE: 8/3/2022

CADD FILE NAME: L00 CONSTRUCTION PLAN.dwg

PLOT DATE: 8/28/2022



CALL 8-1-1 TOLL FREE

811

TWO WORKING DAYS BEFORE YOU DIG

DATE	MK	DESCRIPTION

REVISIONS

LICENSED LANDSCAPE ARCHITECT
MARK K. CHUNG NO. 5047
Signature
12/31/2022
Renewal Date
05/26/2022
Date
STATE OF CALIFORNIA

PROJECT LANDSCAPE ARCHITECT DATE

LOS ANGELES COUNTY PUBLIC WORKS

MONTEITH PARK AND VIEW PARK GREEN ALLEY STORMWATER IMPROVEMENTS

LANDSCAPE IMPROVEMENTS

CONSTRUCTION PLAN

PROJ ID NO. SWQ0000005

LS-1.04

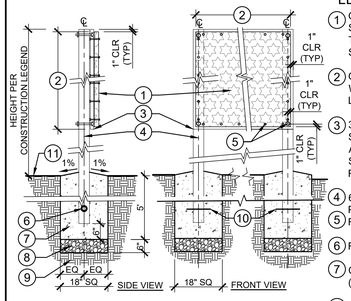
CAPITAL PROJECT NO. CP-69813 | SHEET 6 OF 18

PLAN LS

DATE: 8/3/2022

CADD FILE NAME: 1.00 CONSTRUCTION PLAN.dwg

PLOT DATE: 8/28/2022



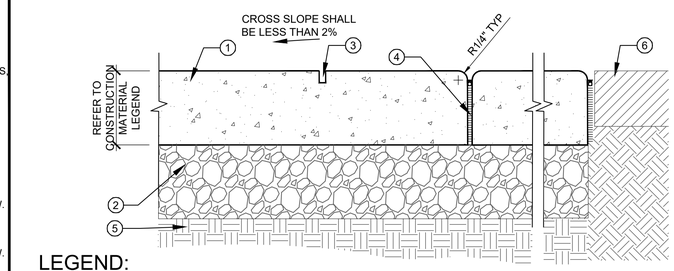
NOTES

1. GRAPHIC TO BE PROVIDED BY THE AGENCY IN DIGITAL FORMAT. FABRICATION AND INSTALLATION SHALL BE BY THE CONTRACTOR.
2. ALL FASTENERS SHALL BE STAINLESS STEEL AND TAMPER PROOF AND THE FOLLOWING:
   - FOR GRAPHIC PANEL MOUNT TO 3/4" PLYWOOD USE: 5/16"-18 X2" BUTTON HEAD MACHINE SCREWS; 5/16"-18 304 SS TAMPER PROOF BREAK AWAY SHEAR NUTS; W/5/16" 304 SS FLAT WASHERS. INSTALL FASTENERS 9" O.C. AND AS NEEDED TO PREVENT SEPARATION.
   - FOR MOUNTING PLYWOOD TO 4"X4" POSTS USE: 1/2" DIA - 6" LONG SS CARRIAGE SCREW, SS WASHER AND TAMPER PROOF SS BOLTS. COUNTER-SINK CARRIAGE HEAD.

LEGEND:

1. GRAPHIC PANEL, REFER TO SPECIAL PROVISIONS. ATTACH TO PLYWOOD USING FASTENERS, SEE NOTES BELOW.
2. GRAPHIC PANEL LENGTH AND WIDTH PER CONSTRUCTION LEGEND.
3. 3/4" MARINE GRADE PLYWOOD, SIZE PER GRAPHIC PANEL WITH ADDITIONAL CLEAR SPACE AS SHOWN. ATTACH USING FASTENERS, SEE NOTES BELOW.
4. 6" PRESSURE TREATED WOOD POST
5. FASTENERS, SEE NOTES BELOW.
6. REBAR HOLE.
7. CONCRETE FOOTING (560-C-3250).
8. 6" CRUSHED MISC. BASE.
9. COMPACTED SUBGRADE, 90% RELATIVE COMPACTION.
10. #5 REBAR, 9" LONG, THROUGH POST REBAR HOLE.
11. ADJACENT FINISH GRADE.

(F) GRANT SIGNAGE (TYPE A) — SCALE: NTS



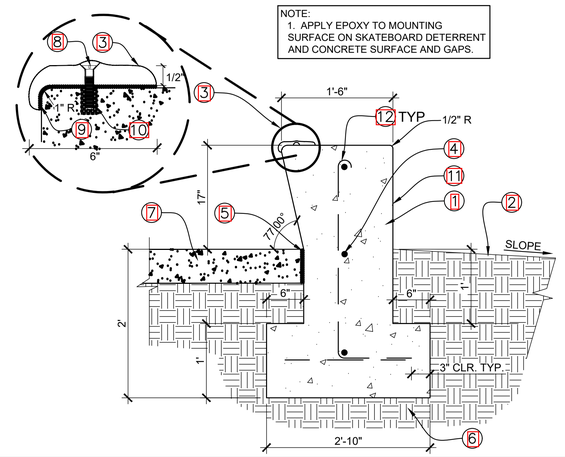
LEGEND:

1. CONCRETE (520-C-2500 PER SSPWC). REFER TO CONSTRUCTION MATERIALS LEGEND.
2. 6" CRUSHED MISC. BASE
3. 1/4" DEEP TOOLED JOINT.
4. EXPANSION JOINT, 1/2" THICK ASPHALT IMPREGNATED FIBERBOARD WITH BACKER ROD AND JOINT SEALANT.
5. COMPACT SUBGRADE, 90% RELATIVE COMPACTION.
6. ADJACENT FINISH GRADE/SURFACE PER PLAN, INSTALL EXPANSION JOINT WHERE ABUTS FINISH SURFACE, WALL, UTILITY POLE. LANDSCAPE AREAS SHALL BE 3" BELOW FINISHED SURFACE, REFER TO SPECIAL PROVISIONS.

NOTES:

A. ALL EXPOSED EDGES SHALL HAVE 1/4" RADIUS.
B. FINISH GRADE FOR ADJACENT LANDSCAPED AREAS SHALL BE 3" BELOW FINISHED SURFACE OF CONCRETE, TYPICAL. TOP OF 3" THICK MULCH FOR ADJACENT LANDSCAPED AREAS SHALL BE FLUSH WITH FINISH SURFACE OF CONCRETE, TYPICAL.
C. EXPANSION JOINT SHALL BE PLACED AT 15' O.C, AND TOOLED JOINT AT 7.5' O.C.

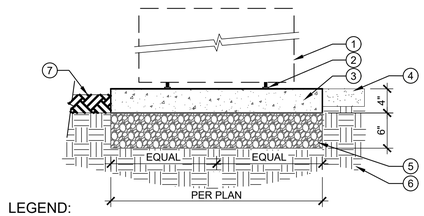
(C) CONCRETE PAVING — SCALE: NTS



LEGEND:

1. POURED IN PLACE CONCRETE WALL:
   - A. CONCRETE, COLOR NATURAL GRAY: MIX 520-C-2500.
   - B. LIGHT SANDBLAST FINISH.
   - C. APPLY A WATERBORNE, LOW VOC, CLEAR CURING COMPOUND AND SEALER.
2. FINISH GRADE.
3. SKATEBOARD DETERRENT, CAST ALUMINUM WITH CLEAR ANODIZED COATING. REFER TO SPECIAL PROVISIONS. PRE-FABRICATED RADIUS TO FIT SEAT WALL CAP. INSTALL 5' ON CENTER AND CENTERED ON THE ENDS OF EACH WALL. APPLY EPOXY TO ALL GAPS.
4. #4 CONTINUOUS HORIZONTAL REBARS AS SHOWN. 3" CLEAR FROM ALL EDGES.
5. EXPANSION JOINT (EJ), 1/2" THICK ASPHALT IMPREGNATED FIBERBOARD WITH BACKER ROD AND JOINT SEALANT. EJ AS SHOWN ON PLANS OR AT EVERY 20' ON CENTER AND AT EVERY CHANGE IN DIRECTION.
6. SUBGRADE, 95% RELATIVE COMPACTION.
7. ADJACENT PAVING, REFER TO PLAN.
8. TAMPER PROOF SCREW.
9. EPOXY, TYPICAL.
10. EXPANSION ANCHOR.
11. APPLY GRAFFITI PREVENTION MATERIAL CONTAINING TWO PARTS EPOXY ON ALL EXPOSED SURFACES BY KRYSTAL KOAT GRAFFITI PREVENTION MATERIAL, VANDAL GUARD, OR VEN-CHEM COMPANY, INC.
12. #4 REBAR CONTINUOUS AT 12" O.C. 3" CLEAR FROM ALL EDGES.

(A) CONCRETE SEATWALL — SCALE: NTS

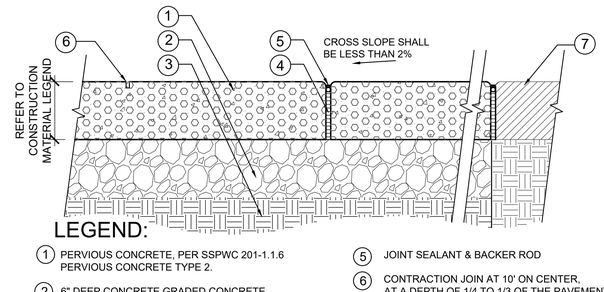


LEGEND:

1. SITE AMENITIES (BENCH, PICNIC TABLE, TRASH RECEPTACLE). REFER TO PLAN FOR LOCATIONS AND MATERIALS LEGEND. INSTALL PER MANUFACTURER'S INSTRUCTIONS.
2. ATTACH TO SLAB W/ VANDAL PROOF STAINLESS STEEL CONC. ANCHORS (QUANTITY PER UNIT) INSTALL PER MANUFACTURER'S INSTRUCTIONS. TACK WELD AFTER APPROVAL BY ENGINEER.
3. CONCRETE SLAB (520-C-2500 PER SSPWC). REFER TO PLAN AND MATERIALS LEGEND.
4. ADJACENT SURFACING.
5. 6" CRUSHED MISC. BASE
6. COMPACT SUBGRADE, 90% RELATIVE COMPACTION.
7. FINISH GRADE OF ADJACENT PLANTING AREA.

SCALE: NTS

(G) CONCRETE PAD FOR SITE AMENITIES



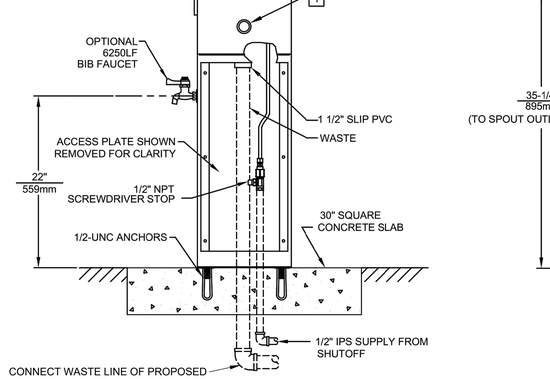
LEGEND:

1. PERVIOUS CONCRETE, PER SSPWC 201-1.1.6 PERVIOUS CONCRETE TYPE 2.
2. 6" DEEP CONCRETE GRADED CONCRETE AGGREGATE NO. 2, BASE PER SSPWC 200-1.4 (B). 85% RELATIVE COMPACTION.
3. COMPACTED SUBGRADE, 90% RELATIVE DENSITY
4. EXPANSION JOINT (EJ), 1/2" THICK ASPHALT IMPREGNATED FIBERBOARD WITH BACKER ROD AND JOIN SEALANT. EJ AS SHOWN ON PLANS OR AT EVERY 20' ON CENTER.
5. JOINT SEALANT & BACKER ROD
6. CONTRACTION JOIN AT 10' ON CENTER, AT A DEPTH OF 1/4 TO 1/3 OF THE PAVEMENT THICKNESS, AND AT A WIDTH OF 1/8"
7. ADJACENT FINISH GRADE/SURFACE PER PLAN, INSTALL EXPANSION JOINT WHERE ABUTS FINISH SURFACE, WALL, UTILITY POLE. LANDSCAPE AREAS SHALL BE 3" BELOW FINISHED SURFACE, REFER TO SPECIAL PROVISIONS.

NOTE:
CONTRACTOR SHALL CONSTRUCT A SAMPLE FOR EACH PATTERN INCLUDED IN THE WORK. THE SAMPLE SHALL BE A MINIMUM OF 6 FEET BY 6 FEET (36 SQUARE FEET) WHICH SHALL BE SUBJECT TO INSPECTION AND APPROVAL BY THE ENGINEER. ALL OTHER AREAS TO BE INSTALLED SHALL MATCH THE TEXTURE OF THE APPROVED AREA.

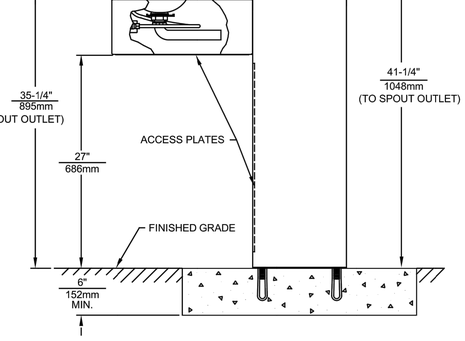
(D) PERVIOUS CONCRETE, 6" THICK (CONC WALKWAY) — SCALE: NTS

NOTE: DRINKING FOUNTAIN SHALL CONFORM WITH ALL REQUIREMENTS PER 2016 CALIFORNIA BUILDING CODE, CHAPTER 11B-602 DRINKING FOUNTAINS. PARTIAL LIST OF SUCH REQUIREMENTS INCLUDE:
11B-602.2 CLEAR FLOOR SPACE
11B-602.4 SPOUT HEIGHT: OUTLETS SHALL BE 36" MAX. ABOVE FINISH FLOOR OR GROUND
11B-602.5 SPOUT LOCATION: SHALL BE 5" MAX. FROM THE FRONT EDGE OF THE UNIT
11B-602.6 WATER FLOW: SPOUT SHALL PROVIDE FLOW OF 4" HIGH MIN. AND SHALL BE LOCATED 5" MAX FROM FRONT OF THE UNIT. WHERE SPOUTS ARE LOCATED LESS THAN 3" OF THE FRONT OF THE UNIT, THE ANGLE OF THE WATER STREAM SHALL BE 30 DEGREES MAX.

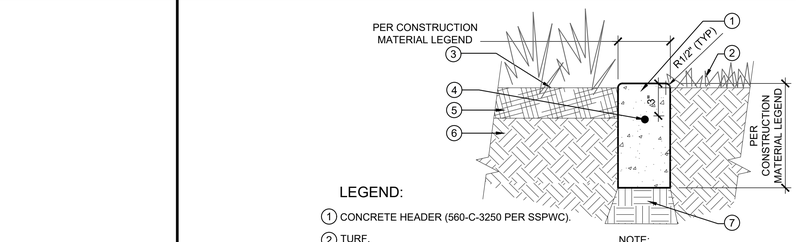


MOUNTING DETAIL

CONNECT WASTE LINE OF PROPOSED DRINKING FOUNTAIN TO 4" DIA HDPE PIPE. INVERT OF PERFORATED PIPE TO DAYLIGHT 12" INSIDE AND CLEAR OF OUTSIDE SIDE EDGES OF GEOTEXTILE WRAPPED CRUSHED AGGREGATE SUMP LOCATED IN BIOSWALE. REFER TO BIOSWALE DETAIL AND PLANS FOR ALIGNMENT.



(B) ADA DRINKING FOUNTAIN — SCALE: NTS



LEGEND:

1. CONCRETE HEADER (560-C-3250 PER SSPWC).
2. TURF.
3. FINISHED SURFACE TO BE 1/2" BELOW TOP OF HEADER, TYPICAL.
4. #4 REBAR IN CENTER OF POUR.
5. 3" MULCH.
6. SUBGRADE.
7. COMPACTED SUBGRADE, 90% RELATIVE COMPACTION.

NOTE:
PROVIDE EXPANSION JOINT EVERY 15' AND WEAKENED PLANE JOINT EVERY 7.5', TYPICAL

(H) NOT USED

(E) CONCRETE HEADER (TYPE 1 AND TYPE 2) — SCALE: NTS

CALL 8-1-1 TOLL FREE
811
TWO WORKING DAYS BEFORE YOU DIG

DATE	MK	DESCRIPTION

REVISIONS

LICENSED LANDSCAPE ARCHITECT — KWAN K. CHUNG NO. 5047 — STATE OF CALIFORNIA
Signature
12/31/2022 Renewal Date
05/26/2022 Date
PROJECT LANDSCAPE ARCHITECT — DATE

LOS ANGELES COUNTY PUBLIC WORKS

MONTEITH PARK AND VIEW PARK GREEN ALLEY STORMWATER IMPROVEMENTS

LANDSCAPE IMPROVEMENTS

CONSTRUCTION DETAILS

PROJ ID NO. SWQ0000005

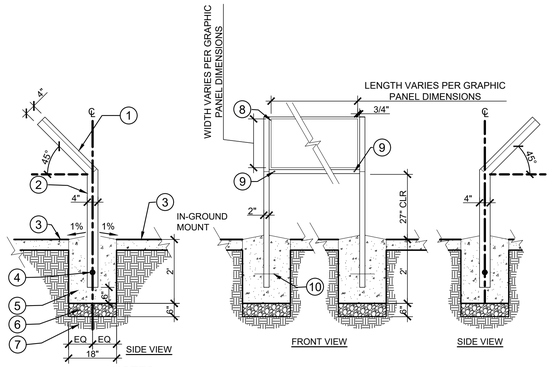
LS-1.05

CAPITAL PROJECT NO. CP-69813 | SHEET 7 OF 18

PLAN LS

DATE: 8/3/2022

CADD FILE NAME: LSD CONSTRUCTION (R JOU.dwg)
PLOT DATE: 9/28/2022



NOTES
1. ALL METAL AND WELD JOINTS TO BE POWDERCOAT FINISHED.
2. ALL WELDS SHALL BE GROUND SMOOTH AND PAINTED TO MATCH.
3. GRAPHIC TO BE PROVIDED BY THE AGENCY IN DIGITAL FORMAT. FABRICATION AND INSTALLATION SHALL BE BY THE CONTRACTOR.

LEGEND:
1. GRAPHIC PANEL, REFER TO SPECIAL PROVISIONS. REFER TO MANUFACTURER'S RECOMMENDATIONS FOR INSTALLATION AND ATTACHMENT.
2. NPS-STYLE ALUMINUM SIGN CANTILEVER PEDESTAL.
3. ADJACENT FINISH SURFACE.
4. REBAR HOLE.
5. CONCRETE FOOTING (560-C-3250).
6. 6" CRUSHED MISC. BASE.
7. COMPACTED SUBGRADE, 90% RELATIVE COMPACTION.
8. REMOVABLE EDGE.
9. DRAIN HOLES, SIZE PER MANUFACTURER'S STANDARD.
10. #5 REBAR, 9" LONG, THROUGH POST REBAR HOLE.

(D) INTERPRETIVE SIGN / GRANT SIGN (TYPE B) FRAME MOUNT — SCALE: NTS

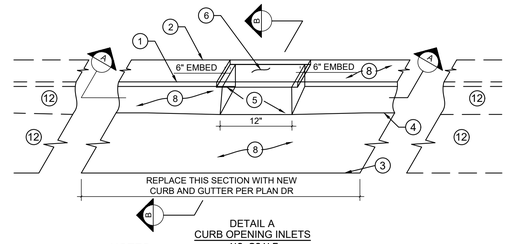
GRAPHIC / IMAGE SAMPLE CONTENT	FILE NAME	SIGN SIZE	QUANTITY	CALLOUT NO. ON PLANS
	FILE NAME: *"Stormwater Run-off REVISED 11/4/21"*	18" X 24"	(1)	#21-A
	FILE NAME: *"Monteith Park Waterbodies REVISED 11/4/21"*	18" X 24"	(1)	#21-B
	FILE NAME: *"Monteith Park Plant Material REVISED 11/4/21"*	18" X 24"	(1)	#21-C

INTERPRETIVE SIGNS CONTENT NOTES:

1. THE CONTRACTOR SHALL REFER TO PLANS FOR LOCATIONS AND DETAILS FOR SIGN INSTALLATION.
2. CONTENT AND SIZE OF SIGN(S) SUBJECT TO CHANGE FROM 18" X 24" TO 2' X 3 DUE TO POSSIBLE UPDATES AND CHANGES FROM DPR. ALSO NOTE SAMPLE GRAPHIC SHOWN THIS SHEET ARE EXAMPLES OF DIFFERENT SUBJECT SHOWN ON BOARD, CONTRACTOR SHALL OBTAIN FINAL FILES UPON REQUEST TO COUNTY, REFER TO SPECIAL PROVISIONS.
3. REFER TO SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.

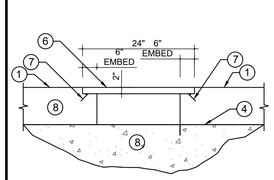
BUILDING AND SAFETY DIVISION
Department of Public Works
DRAINAGE & GRADING APPROVED
UNDER LOS ANGELES COUNTY CODE
TITLE 26
izhang
08/23/2022 4:26:58 PM
This set of plans and specifications must be kept at the job site at all times and it is unlawful to make any changes, modifications or alterations to these plans or specifications without the prior written permission of the Building Official. The stamping of this set of plans and specifications SHALL NOT, under any circumstances, be deemed to permit or to be an approval of any work or activity that violates any provisions of any County Ordinance or State Law

(E) INTERPRETIVE SIGN CONTENT AND SIZES — SCALE: NTS

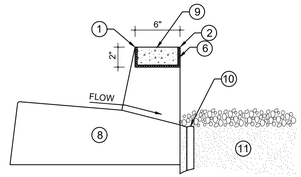


DETAIL A
CURB OPENING INLETS
NO SCALE

NOTES:
1. SPACING BETWEEN CELLS AT BASE, 2" MIN - 4" MAX



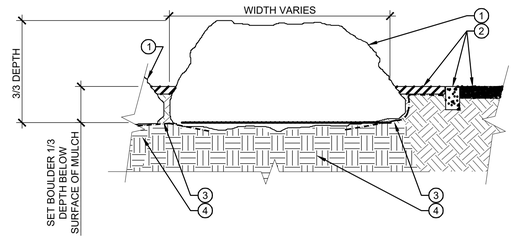
SECTION A-A
CURB OPENING INLETS
NO SCALE



SECTION B-B
CURB OPENING INLETS
NO SCALE

LEGEND:
1. TOP OF CURB.
2. BACK OF CURB.
3. EDGE OF GUTTER.
4. FLOW LINE.
5. CURB OPENING.
6. 1/4 " GALVANIZED STEEL "C" CHANNEL.
7. 3" GALVANIZED STEEL STUD.
8. NEW CURB AND GUTTER.
9. FILL CHANNEL 2" WITH CONCRETE (520-C-2500 PER SSPWC)
10. LINEAR ROOT BARRIER PER STANDARD PLAN 520.
11. PLANTING AREAS, REFER TO PLAN.
12. EXISTING CURB AND GUTTER.

(B) CURB CUT — SCALE: NTS

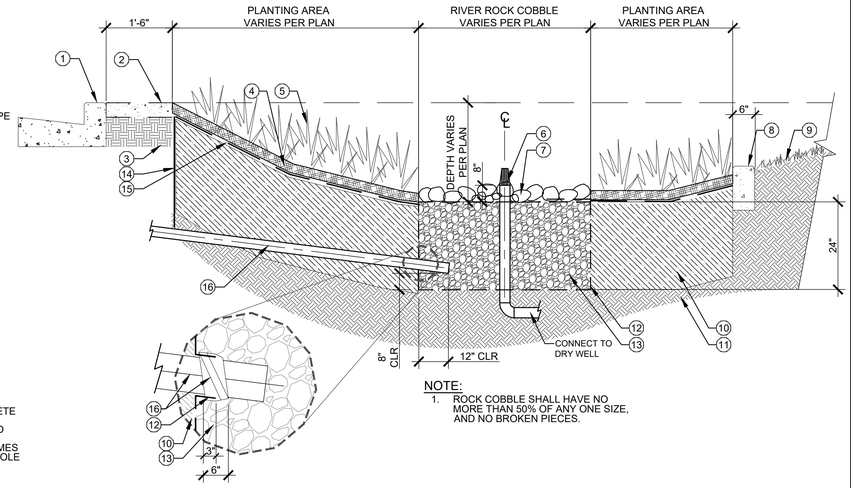


LEGEND:
1. DECORATIVE BOULDER, REFER TO CONSTRUCTION MATERIAL LEGEND AND SPECIAL PROVISIONS.
2. ADJACENT TOP OF 3" DEEP MULCH, OR TOP OF FINISH SURFACE PER PLAN.
3. WEED BARRIER, REFER TO SPECIAL PROVISIONS. EXTEND INSTALLATION OF WEED BARRIER 12" BENEATH ROCK PLACEMENT. PLACE GEOTEXTILE TO PREVENT WEED GROWTH BETWEEN GROUPED BOULDERS, PROPOSED RIVER ROCK PAVING, AND WHERE NO PROPOSED PLANTING OCCURS.
4. COMPACTED SUBGRADE, 90% RELATIVE COMPACTION, BENEATH BOULDER ONLY.

NOTE:
OBTAIN REVIEW AND APPROVAL BY THE ENGINEER AFTER THE INSTALLATION OF FIRST (3) DECORATIVE BOULDERS AS A SAMPLE OF INSTALLATION PER PLAN, BEFORE PROCEEDING TO INSTALL REMAINING DECORATIVE BOULDERS.

(A) DECORATIVE BOULDER — SCALE: NTS

LEGEND:
1. EXISTING CONCRETE CURB AND GUTTER.
2. CONCRETE (520-C-2500 PER SSPWC). REFER TO CONSTRUCTION MATERIALS LEGEND.
3. SUBGRADE, 90% RELATIVE COMPACTION.
4. 3" THICK MULCH
5. SWALE PLANTING AREA PER PLAN
6. 4" ATRIUM DRAIN INLET WITH 4" HDPE SOLID PIPE, CONNECT TO DRY WELL PER PLAN DR.
7. RIVER ROCK COBBLE, REFER TO CONSTRUCTION MATERIAL LEGEND AND SPECIAL PROVISIONS. SLOPE TO CENTERLINE OF SWALE PER PLAN.
8. CONCRETE HEADER.
9. TURF, PER PLAN.
10. IMPORTED CLASS "D" BIOSWALE SOIL PER SPECIAL PROVISIONS.
11. SUBGRADE.
12. GEOTEXTILE, REFER TO SPECIAL PROVISIONS FOR MORE INFORMATION.
13. GRADED CONCRETE AGGREGATE NO. 2, DRAINAGE SUMP PER SSPWC 200-1.4 (B), REFER TO PLAN FOR LOCATION.
14. WATER BARRIER, REFER TO SPECIAL PROVISIONS.
15. WEED BARRIER, REFER TO SPECIAL PROVISIONS.
16. 4" HDPE SOLID PIPE, CONNECT WASTE LINE FROM PROPOSED DRINKING FOUNTAIN, SLOPE TO DRAIN DRINKING FOUNTAIN WASTE INTO GRADED CONCRETE AGGREGATE LOCATED IN SWALE AS SHOWN. PIPE SHALL PENETRATE GEOTEXTILE WRAP AND EXTEND INVERT 12" INSIDE AGGREGATE. TAPE INSIDE OF GEOTEXTILE FABRIC TO PIPE. WRAPPING THREE TIMES AROUND PIPE WITH WATERPROOF TAPE TO SEAL HOLE MADE BY PENETRATION. REFER TO DRINKING FOUNTAIN DETAIL AND PLANS.



NOTE:
1. ROCK COBBLE SHALL HAVE NO MORE THAN 50% OF ANY ONE SIZE, AND NO BROKEN PIECES.

(C) LID INSTALLATION - SECTION A-A (TYP) — SCALE: NTS

CALL 8-1-1 TOLL FREE
811
TWO WORKING DAYS BEFORE YOU DIG

DATE	MK	DESCRIPTION

REVISIONS

LICENSED LANDSCAPE ARCHITECT
MARK K. CHUNG NO. 5047
Signature
12/31/2022
Renewal Date
05/26/2022
Date
STATE OF CALIFORNIA
PROJECT LANDSCAPE ARCHITECT DATE

LOS ANGELES COUNTY PUBLIC WORKS

MONTEITH PARK AND VIEW PARK GREEN ALLEY STORMWATER IMPROVEMENTS

LANDSCAPE IMPROVEMENTS

CONSTRUCTION DETAILS

PROJ ID NO. SWQ0000005

LS-1.06

CAPITAL PROJECT NO. CP-69813 | SHEET 8 OF 18

PLAN LS

DATE: 8/3/2022

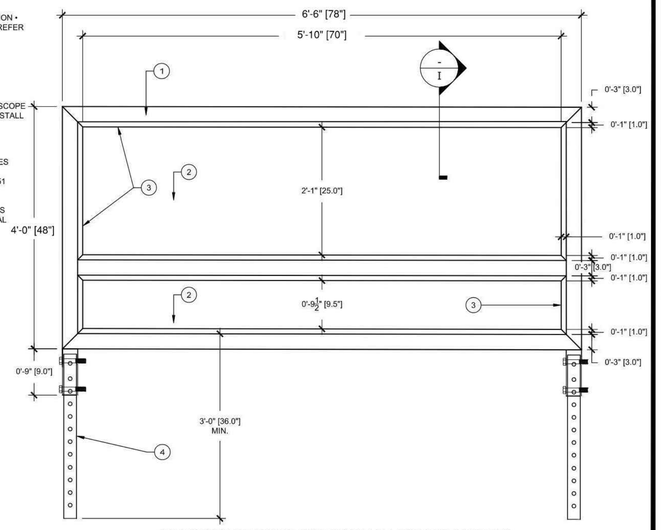
CADD FILE NAME: 1.00 CONSTRUCTION PLAN.dwg
PLOT DATE: 8/3/2022

LEGEND

1. SIGN FRAME 3" X 3" X 1/8" WALL ALUMINUM TUBE.• WELDED CONSTRUCUTION • POWDERCOATED FINISH. 70022 GREY TEXTURED POWDER COAT FINISH. REFER TO DETAIL SHEET I.
2. 2 - 1/8" GRAPHIC PANELS, BACK TO BACK
3. 1" X 1/8" ALUMINUM POST MOUNTING TAB WELD TO FRAME AS SHOWN IN DRAWING. POWDER COATED TO MATCH FRAME.
4. 2 3/4"X 2 3/4" X 30" 12 GA GALVANIZED STEEL TELESPAR TUBE INTERNAL TELESCOPE FIT. BOLTED TO FRAME TUBES WITH 3/8" STAINLESS STEEL HEX BOLTS. INSTALL INTO CONCRETE FOOTING

NOTES

- DIGITAL ARTWORK FOR SIGN PANELS SHALL BE PROVIDED BY LOS ANGELES COUNTY DEPARTMENT OF PARKS AND RECREATIONS SIGN AND PAINT SECTION, REGIONAL AGENCY CONTACT: LEON "BRUCE" EVANS 626-934-3851
- ALLOW 1" BLEED ON GRAPHIC PANEL TO ACCOMMODATE WELDED POST MOUNTING WELDED TAB AND CONNECTIONS. NOTIFY LEON "BRUCE" EVANS 626-934-3851 OF THIS METHOD OF FRAMING PRIOR TO REQUESTING DIGITAL ARTWORK.
- 70022 GREY TEXTURED POWDER COAT FINISH

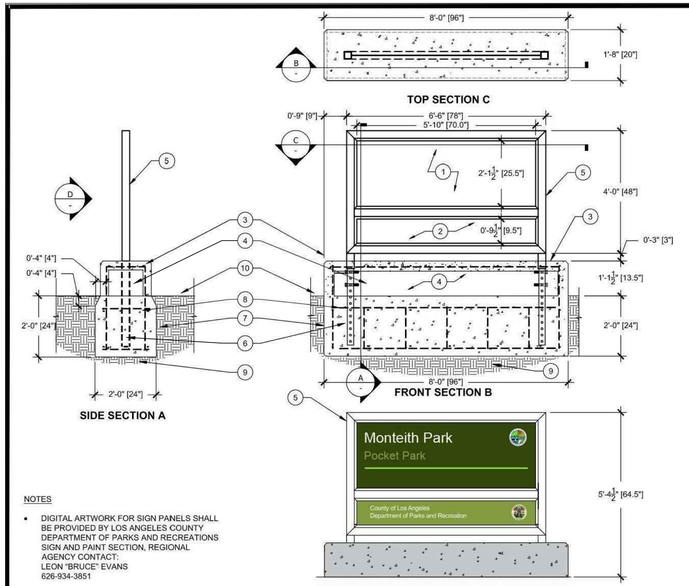


ELEVATION OF COMPLETE FRAME ALL MONUMENT SIZES

DPR APPROVAL DATE: 8/12/2020

DOUBLE SIDED EXHIBIT BASE FRAME

SCALE 1" = 1' | H



NOTES

- DIGITAL ARTWORK FOR SIGN PANELS SHALL BE PROVIDED BY LOS ANGELES COUNTY DEPARTMENT OF PARKS AND RECREATIONS SIGN AND PAINT SECTION, REGIONAL AGENCY CONTACT: LEON "BRUCE" EVANS 626-934-3851

FRONT AND BACK ELEVATIONS D

LEGEND

1. ALUMINUM SIGN GRAPHIC PANEL PRINTED BOTH SIDES. LIVE AREA OF SIGN IS 70" X 25.5".
2. ALUMINUM SIGN GRAPHIC RIDER PANEL , LIVE AREA OF SIGN IS 70" X 9.5"
3. 4" BOARD FORMED, POURED IN PLACE CONCRETE MONUMENT, RADIUS EDGE, NATURAL COLOR, LIGHT SAND FINISH
4. EXPANDED POLYSTYRENE GEOFOAM PRECUT BLOCKS VOID FILL
5. METAL FRAME REFER TO SHEETS H AND I.
6. 2 3/4"X 2 3/4" X 30" 12 GA GALVANIZED STEEL TELESPAR TUBE INTERNAL TELESCOPE FIT. BOLTED TO FRAME TUBES WITH 3/8" STAINLESS STEEL HEX BOLTS
7. CONCRETE FOOTING
8. #4 REBAR @ 16" O.C. BOTH WAYS
9. 90% COMPACTED SOIL
10. FINISH GRADE

INSTALLATION GUIDELINES

A. BEND AND FORM REBAR AS SHOWN ON DRAWING.
B. POUR CONCRETE FOOTING WITH A 4" FOOTER BEYOND CMU WALL.
C. BUILD CMU WALL, AS SHOWN.
D. FORM WALLS WITH PLYWOOD AND SNAP-TIES FOR A SMOOTH-WALLED CONCRETE
E. FOR A BOJ NOTE USED FORMING WALLS, NAIL ROUGH-SAWN CEDAR (2 X 4, OR 2 X 6) TO THE INSIDE OF THE PLYWOOD AND THEN FORM WALLS USING SNAP-TIE SYSTEM FOR 18" WALL CONSTRUCTION CONSIDERING THE THICKNESS OF THE PLYWOOD AND ROUGH-SAWN CEDAR.
F. ADD THE EXPANDED POLYSTYRENE GEOFOAM PRECUT BLOCKS TO FILL THE CENTER VOID, MAKE SURE THE SPACE BETWEEN THE GEOFOAM AND WOOD FORMS IS A MINIMUM OF 4".
G. THE FORM IS READY FOR A CONCRETE POUR

DPR APPROVAL DATE: 8/12/2020

6' CONCRETE POCKET PARK MONUMENT SIGN AND EXHIBIT BASE

SCALE 1/2" = 1'- 0" | A

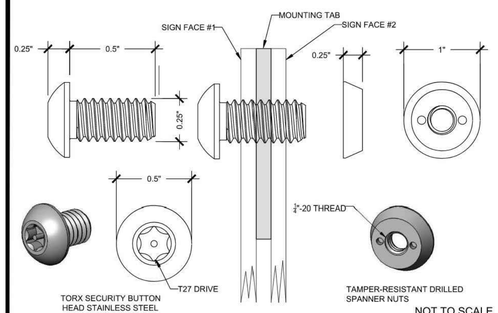
ITEM	TAMPER RESISTANT SCREW
MACHINE SCREW HEAD TYPE	BUTTON
HEAD TYPE	BUTTON
MATERIAL	18-8 STAINLESS STEEL
LENGTH	1/2 IN
DRIVE TYPE	TORX
FINISH	PLAIN
DIA./THREAD SIZE	1/4"-20
DRIVER SIZE	T27
ITEM	TAMPER RESISTANT DRILLED SPANNER NUT
DRIVE STYLE	DRILLED SPANNER
NUT TYPE	TAMPER RESISTANT
MATERIAL	ZINC ALLOY
THREAD SIZE	1/4"-20
THREAD DIRECTION	RIGHT HAND
DIAMETER	1"
HEIGHT	1/4"

LEGEND

1. SIGN FRAME 3" X 3" X 1/8" WALL ALUMINUM TUBE.• WELDED CONSTRUCUTION • POWDER COATED FINISH. 70022 GREY TEXTURED POWDER COAT FINISH
2. 2 - 1/8" GRAPHIC PANELS, BACK TO BACK
3. 1" X 1/8" ALUMINUM POST MOUNTING TAB WELD TO FRAME AS SHOWN IN DRAWING. POWDER COATED TO MATCH FRAME.
4. 1/4" -20 X 3/4" TORX SECURITY BUTTON HEAD STAINLESS STEEL MACHINE SCREWS, @ 12" O.C.
5. 1/4" -20 TAMPER-RESISTANT DRILLED SPANNER NUTS

NOTES

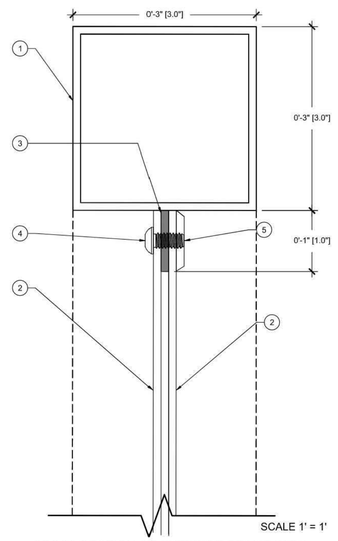
- DIGITAL ARTWORK FOR SIGN PANELS SHALL BE PROVIDED BY LOS ANGELES COUNTY DEPARTMENT OF PARKS AND RECREATIONS SIGN AND PAINT SECTION, REGIONAL AGENCY CONTACT: LEON "BRUCE" EVANS 626-934-3851
- ALLOW 1" BLEED ON GRAPHIC PANEL TO ACCOMMODATE WELDED POST MOUNTING WELDED TAB AND CONNECTIONS. NOTIFY LEON "BRUCE" EVANS 626-934-3851 OF THIS METHOD OF FRAMING PRIOR TO REQUESTING DIGITAL ARTWORK.
- 70022 GRAY TEXTURED POWDER COAT FINISH



TORX SECURITY BUTTON HEAD STAINLESS STEEL MACHINE SCREWS

TAMPER-RESISTANT DRILLED SPANNER NUTS

NOT TO SCALE



SCALE 1' = 1'

CROSS SECTION OF EXTERIOR FRAME WITH ATTACHED INTERIOR MOUNTING TAB & GRAPHIC PANEL

DPR APPROVAL DATE: 8/12/2020

DOUBLE SIDED EXHIBIT BASE FRAME OPTION 1

SCALE AS SHOWN | I

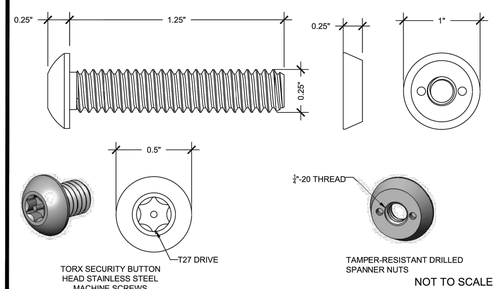
ITEM	TAMPER RESISTANT SCREW
MACHINE SCREW HEAD TYPE	BUTTON
HEAD TYPE	BUTTON
MATERIAL	18-8 STAINLESS STEEL
LENGTH	1-1/4 IN
DRIVE TYPE	TORX
FINISH	PLAIN
DIA./THREAD SIZE	1/4"-20
DRIVER SIZE	T27
ITEM	TAMPER RESISTANT DRILLED SPANNER NUT
DRIVE STYLE	DRILLED SPANNER
NUT TYPE	TAMPER RESISTANT
MATERIAL	ZINC ALLOY
THREAD SIZE	1/4"-20
THREAD DIRECTION	RIGHT HAND
DIAMETER	1"
HEIGHT	1/4"

LEGEND

1. SIGN FRAME 3" X 3" X 1/8" WALL ALUMINUM TUBE.• WELDED CONSTRUCUTION • POWDER COATED FINISH. 70022 GRAY TEXTURED POWDER COAT FINISH
2. SIGN FRAME 1" X 3/4" X 1/8" WALL ALUMINUM TUBE.• WELDED CONSTRUCUTION • POWDER COATED FINISH. 70022 GRAY TEXTURED POWDER COAT FINISH
3. 1 - 1/8" GRAPHIC PANEL, PRINT ON BOTH SIDES.
4. 1/4" -20 X 1-1/4" TORX SECURITY BUTTON HEAD STAINLESS STEEL MACHINE SCREWS, @ 12" O.C.
5. 1/4" -20 TAMPER-RESISTANT DRILLED SPANNER NUTS

NOTES

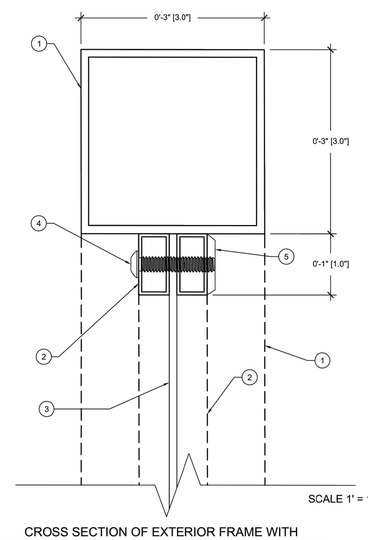
- DIGITAL ARTWORK FOR SIGN PANELS SHALL BE PROVIDED BY LOS ANGELES COUNTY DEPARTMENT OF PARKS AND RECREATIONS SIGN AND PAINT SECTION, REGIONAL AGENCY CONTACT: LEON "BRUCE" EVANS 626-934-3851
- ALLOW 1" BLEED ON GRAPHIC PANEL TO ACCOMMODATE WELDED POST MOUNTING WELDED TAB AND CONNECTIONS. NOTIFY LEON "BRUCE" EVANS 626-934-3851 OF THIS METHOD OF FRAMING PRIOR TO REQUESTING DIGITAL ARTWORK.
- 70022 GREY TEXTURED POWDER COAT FINISH



TORX SECURITY BUTTON HEAD STAINLESS STEEL MACHINE SCREWS

TAMPER-RESISTANT DRILLED SPANNER NUTS

NOT TO SCALE



SCALE 1' = 1'

CROSS SECTION OF EXTERIOR FRAME WITH ATTACHED INTERIOR RETAINING FRAME & GRAPHIC PANEL

DPR APPROVAL DATE: 8/12/2020

DOUBLE SIDED EXHIBIT BASE OPTION 2

SCALE AS SHOWN | I

NOTES:
1. MONUMENT SIGN INSTALLATION PER DPR STANDARD, APPROVAL DATE: 8/12/2020.
2. SIGN PANEL ON DETAIL ABOVE LISTS MARTIN LUTHER KING JR AS EXAMPLE OF DIGITAL ART WORK PROVIDED BY DPR. COORDINATE WITH CONTACT LISTED IN DETAIL FOR DIGITAL ART WORK SIGN PANELS.
3. SUBMIT PHYSICAL SAMPLE FOR REVEIW, REFER TO SPECIAL PROVISION.

Ⓐ 6' CONCRETE POCKET PARK MONUMENT SIGN AND EXHIBIT BASE

SCALE: NTS

CALL 8-1-1 TOLL FREE 811 TWO WORKING DAYS BEFORE YOU DIG

DATE	MK	DESCRIPTION

REVISIONS

LICENSED LANDSCAPE ARCHITECT — KHAN K. CHUNG NO. 5047 — STATE OF CALIFORNIA

Registration Date 12/31/2022
Renewal Date 05/26/2022
Date

PROJECT LANDSCAPE ARCHITECT DATE

LOS ANGELES COUNTY PUBLIC WORKS

MONTEITH PARK AND VIEW PARK GREEN ALLEY STORMWATER IMPROVEMENTS

LANDSCAPE IMPROVEMENTS

CONSTRUCTION DETAILS

PROJ ID NO. SWQ0000005

LS-1.07

CAPITAL PROJECT NO. CP-69813 | SHEET 9 OF 18

DATE: 8/3/2022

PLAN LS

CADD FILE NAME: L:\0 CONSTRUCTION PLAN.dwg

PLOT DATE: 8/28/2022

IRRIGATION INSTALLATION NOTES:

1. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS AND SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES PRIOR TO START OF CONSTRUCTION.

2. REPAIR ALL EXISTING MATERIALS DAMAGED OR EXPOSED BY NEW IRRIGATION INSTALLATION WORK OR BY ANY OTHER CONSTRUCTION WORK, MATCH EXISTING ADJACENT WORK IN TEXTURE AND COLOR.

3. CONTRACTOR TO VERIFY LOCATIONS OF ALL EXISTING TREES AND OTHER PLANTS IN THE AREAS OF WORK PRIOR TO START OF CONSTRUCTION. PROTECT IN PLACE EXISTING TREES PER PLANS AND REFER TO SPECIAL PROVISION 801-1 a) ROOT ZONE PROTECTION AND TREE PROTECTION PLAN.

4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE WATERING OF THE EXISTING TREES AND TURF TO REMAIN LOCATED IN MONTEITH PARK. ALL EXISTING TREES AND EXISTING TURF WITHIN THE PARK ARE EXPECTED TO REMAIN AT THE SAME LEVEL OF HEALTH, OR BETTER, THAN AT THE START OF THE CONTRACT, OTHERWISE CONTRACTOR MAY BE RESPONSIBLE FOR ANY REPLACEMENT IF THE TREE HEALTH HAS DECLINED, IS STRESSED, AND/OR DAMAGED.

5. CONTRACTOR SHALL FIELD VERIFY THE EXACT LOCATION OF THE PROPOSED P.O.C. AND NOTIFY THE ENGINEER FOR ANY DISCREPANCIES. CONTRACTOR SHALL ALSO VERIFY EXISTING WATER PRESSURE AT P.O.C. AND SIZES PRIOR TO INSTALLATION OF SYSTEM. IF ANY OF THE INFORMATION SHOWN ON THESE DRAWINGS IS FOUND TO BE DIFFERENT THAN THE ACTUAL P.O.C. IN THE FIELD, CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY DISCREPANCIES. SHOULD THE CONTRACTOR FAIL TO VERIFY THE P.O.C. INFORMATION, ANY CHANGES REQUIRED DUE TO LOW PRESSURE OR VOLUME SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

6. WATER METERS AND BACKFLOW PROTECTION:
   - 6.1 AT ALLEY:
     - 6.1.1 (1) NEW WATER METER INSTALLED AT S. VICTORIA AVE BY THE AGENCY. CONTRACTOR SHALL FIELD VERIFY THE EXACT LOCATIONS OF THE METER AND THE PROPOSED BACKFLOW PROTECTION DEVICE AND NOTIFY AND OBTAIN APPROVAL FROM THE ENGINEER PRIOR TO INSTALLATION OF THE BACKFLOW PROTECTION DEVICE. SEE PLANS FOR AVAILABLE WATER PRESSURE AT THE P.O.C. AND WATER PURVEYOR'S INFORMATION.
   - 6.2 AT PARK:
     - 6.2.1 (1) EXISTING WATER METER IS LOCATED AT MONTEITH PARK, ON OLYMPIAN DR SHALL BE ABANDONED. (1) NEW WATER METER INSTALLED AT MONEITH PARK, N/O THE EXISTING METER SHALL HAVE NEW BACKFLOW PROTECTION DEVICE PER PLANS. CONTRACTOR SHALL FIELD VERIFY THE EXACT LOCATIONS OF THE METER AND EQUIPMENT AND NOTIFY AND OBTAIN APPROVAL FROM THE ENGINEER PRIOR TO THE INSTALLATION OF THE PROPOSED BACKFLOW PROTECTION DEVICE. SEE PLANS FOR AVAILABLE WATER PRESSURE AT THE P.O.C. AND WATER PURVEYOR'S INFORMATION.
     - 6.2.2 CONTRACTOR SHALL NOTIFY THE ENGINEER AND OBTAIN APPROVAL PRIOR TO REMOVAL OF EXISTING BACKFLOW. NOTE THAT THERE SHALL BE NO INTERRUPTION IN ON-SITE WATER AVAILABLE FOR SUPPLEMENTAL WATER NEEDS FOR THE EXISTING TREES AND TURF TO BE PROTECTED IN PLACE.
     - 6.2.3 CONTRACTOR SHALL REMOVE AND DISPOSE OFFSITE THE EXISTING IRRIGATION SYSTEM AND RELATED EQUIPMENT WHICH INCLUDES: THE MAINLINE; LATERALS; HEADS; VALVES; AND VALVE BOXES.
     - 6.2.4 CONTRACTOR SHALL NOTIFY AND OBTAIN APPROVAL FROM ENGINEER BEFORE CUT AND CAP OF THE EXISTING IRRIGATION SYSTEM IMMEDIATELY DOWNSTREAM OF THE EXISTING WATER METER, REFER TO PLANS.
     - 6.2.5 THE EXISTING ATMOSPHERIC BACKFLOW PROTECTION DEVICE SHALL BE REMOVED AND TURNED OVER TO THE AGENCY.

7. REFER TO SPECIAL PROVISIONS FOR BACKFLOW DEVICE INSPECTION TEST REQUIREMENTS.

8. IRRIGATION CONTROLLERS. THE CONTRACTOR SHALL:
   - 8.1 AT S VICTORIA ALLEY, INSTALL NEW SOLAR IRRIGATION CONTROLLER AND CONTROLLER ENCLOSURE WHERE SHOWN ON PLANS. CONTRACTOR SHALL IDENTIFY IN THE FIELD FOR ENGINEER'S REVIEW AND APPROVAL PRIOR TO INSTALLATION. MAKE CONNECTIONS AS NECESSARY TO PROVIDE AN OPERATIONAL SOLAR AUTOMATIC IRRIGATION SYSTEM.
   - 8.2 AT MONTEITH PARK, REMOVE AND TURN OVER EXISTING CONTROLLER TO DPR. INSTALL NEW ELECTRIC IRRIGATION CONTROLLER WITH ENCLOSURE FOR INTERIOR USE ON INSIDE OF EXISTING CINDER BLOCK STRUCTURE AT PARK, REFER TO PLAN. CONTRACTOR SHALL IDENTIFY IN THE FIELD FOR ENGINEER'S REVIEW AND APPROVAL PRIOR TO INSTALLATION. EXTEND ELECTRICAL CONDUIT AND WIRES FROM ELECTRICAL P.O.C. SHOWN ON PLAN TO THE CONTROLLER AND MAKE CONNECTIONS AS NECESSARY TO PROVIDE AN OPERATIONAL ELECTRICAL AUTOMATIC IRRIGATION SYSTEM.

9. CONTRACTOR SHALL REFER TO ELECTRICAL PLANS, PLAN EE FOR COORDINATION.

10. ON ALL CONTROLLERS 50 FEET OR MORE FROM THE CIRCUIT BREAKER, PROVIDE AND INSTALL A SEPARATE DISCONNECT SWITCH AT THE CONTROLLER.

11. CONTRACTOR SHALL INSTALL ADDITIONAL GROUNDING SYSTEM EQUIPMENT TO CONFORM TO THE REQUIREMENTS LISTED IN SPECIAL PROVISIONS.

12. CONTRACTOR SHALL BE RESPONSIBLE TO PROGRAM THE AUTOMATIC IRRIGATION CONTROLLER(S) SO THE SYSTEM SHALL BE FULLY OPERATING BASED ON THE NECESSARY INFORMATION FOUND IN THE IRRIGATION AND PLANTING PLANS, AND ABLE TO DETECT MAINLINE AND LATERAL LINE BREAKAGE.

13. TRENCHING OPTION: CONTRACTOR HAS AS AN OPTION TO INSTALL LATERAL IRRIGATION LINES UTILIZING A TRENCHLESS TECHNIQUE (PULLED IN) WHERE POSSIBLE.

14. INSTALL X-OVER SLEEVES (CLASS 315 PVC UNLESS NOTED OTHERWISE) WHERE SHOWN ON THE PLANS, AT INTERSECTIONS, AND WHEREVER PIPE CROSSES UNDER PAVEMENTS. ALL SLEEVES SHALL EXTEND 6" INTO PLANTING AREAS AT BOTH ENDS. CONTRACTOR SHALL COORDINATE THE INSTALLATION OF THE SLEEVES PRIOR TO PAVING/PATH/ETC. BEING INSTALLED. NOT ALL SLEEVES MAY BE INDICATED ON PLANS.

15. "BORE" UNDER EXISTING PAVING WHEREVER POSSIBLE. SAWCUT EXISTING PAVING WHERE NECESSARY AS APPROVED TO INSTALL PIPING/SLEEVE. FOR TRENCH REPAIR INFORMATION REFER TO TRENCHING DETAIL.

16. CONTRACTOR SHALL ADJUST EXACT LOCATIONS OF IRRIGATION PIPES AND TUBINGS TO AVOID CATCH BASINS, UTILITIES AND OTHER SITE AMENITIES.

17. INSTALL PVC SCHEDULE 40 CONDUIT UNDER EXISTING PAVING WHEREVER NECESSARY TO "RUN" CONTROL WIRES. INSTALL CONTROL WIRES A MINIMUM 24" BELOW FINISH GRADE AND 36" UNDER VEHICULAR ROADWAY, REFER TO PIPE TRENCHING DETAIL FOR MORE INFORMATION.

18. ALL VERTICAL CHANGES IN MAINLINE PIPE DIRECTION SHALL BE DONE WITH THE USE OF 45 DEGREE ELBOWS.

19. ALL QUICK COUPLING VALVES SHALL BE INSTALLED IN LOCK LID VALVE BOXES. MARK ALL BOXES Q.C.V. WITH EPOXY PAINT.

20. CONTRACTOR SHALL VERIFY THE FIELD CONDITIONS AND INSTALL ADDITIONAL IN-LINE CHECK VALVES WHEREVER NECESSARY TO PREVENT LOW-HEAD DRAINAGE.

21. ALL TREES ARE TO BE WATERED BY A DEDICATED SEPARATE IRRIGATION VALVE(S).

22. ADJUST LOCATION OF IRRIGATION HEADS AS NECESSARY TO MINIMIZE SPRAY INTERFERENCE AGAINST OBSTRUCTIONS (CONCRETE WALLS, TELEPHONE AND POWER POLES, TREES, ETC.).

23. ALL HEADS WITH CHECK VALVES AND PRESSURE REGULATION DEVICES IN POP-UP STEM SHALL BE CONNECTED THOUGH BOTTOM INLET AND NOT SIDE INLET.

24. CONTRACTOR SHALL ADJUST POSITION OF ROTOR IRRIGATION HEADS IN FIELD, AS NECESSARY, TO MAINTAIN 10' MIN. DISTANCE FROM TRUNKS OF TREES.

25. IRRIGATION HEADS SHALL BE PROPERLY POSITIONED TO ALLOW STANDARD OPERATION, RETRACTION, AND SHALL BE ADJUSTED SO THERE IS NO OVERPSRAYING ONTO ADJACENT SIDEWALKS, PAVEMENT(S), AND ROADWAYS. FOLLOWING IRRIGATION HEAD INSTALLATION, ADJUST RADIUS THROW TO CONFORM TO SITE CONDITIONS. ADJUST ALL ADJUSTABLE ARC NOZZLES AS NECESSARY TO AVOID UNDER-SPRAY OF PLANTING AREAS AND OVER-SPRAY OF WALLS AND SIDEWALKS.

26. CONTRACTOR SHALL MAKE ALL NECESSARY ADJUSTMENTS TO ENSURE THAT ALL COMPONENTS OF THE IRRIGATION SYSTEM PERFORM PROPERLY DURING CONSTRUCTION AND MAINTENANCE PERIODS.

27. CONTRACTOR SHALL EXTEND THE NEUTRAL WIRE AND RUN ONE (1) ADDITIONAL CONTROL WIRE EACH FROM THE CONTROLLER TO ALL ENDS OF THE SYSTEM. WIRES SHOULD BE TERMINATED AT THE END OF THE MAINLINE INSIDE A PULL BOX.

28. CONTRACTOR SHALL PAY FOR AND REQUEST THE MANUFACTURER'S REPRESENTATIVE OF THE AUTOMATIC IRRIGATION CONTROLLER TO INSPECT AND CERTIFY THE INSTALLATION OF THE SYSTEM. MANUFACTURER SHALL ALSO ASSIST THE CONTRACTOR WITH PROGRAMMING THE SYSTEM AND SHALL PROVIDE A MINIMUM OF ONE (1) TRAINING SESSION TO THE AGENCY'S MAINTENANCE STAFF AT THE END OF THE PROJECT.

29. CONTRACTOR SHALL MAINTAIN ACCURATE "AS-BUILT" RECORD SET OF PLANS FOR ALL WORK PERFORMED UNDER THIS CONTRACT. PLANS AND SPECIFICATIONS, INCLUDING EXACT "AS-BUILT" LOCATIONS, SIZES AND KINDS OF REQUIPMENT / MATERAILS PROVIDED. THE FINAL "AS-BUILT" RECORD SET OF PLANS SHALL BE SUBMITTED TO THE AGENCY AT THE COMPLETION OF WORK, PRIOR TO START OF PLANT ESTABLISHMENT PERIOD.

CADD FILE NAME: 2.00 IRRIGATION PLAN.dwg

PLOT DATE: 8/28/2022

IRRIGATION ROTOR LEGEND

SYMBOL	DESCRIPTION	MANUFACTURER	MODEL	NOZZLE	RADIUS	GPM	PSI	PATTERN	DETAIL
35	6" POP-UP ROTOR	RAINBIRD	5000-MPR-35	-	34'	1.67	35	QTR.	E / LS-2.04
30	6" POP-UP ROTOR		5000-MPR-30	-	30'	5.08		FULL	
30	6" POP-UP ROTOR		5000-MPR-30	-	30'	2.59		HALF	
30	6" POP-UP ROTOR		5000-MPR-30	-	30'	1.23		QTR.	
25	6" POP-UP ROTOR		5000-MPR-25	-	24'	3.34		FULL	
25	6" POP-UP ROTOR		5000-MPR-25	-	24'	1.73		HALF	
25	6" POP-UP ROTOR		5000-MPR-25	-	24'	0.88		QTR.	

IRRIGATION SPRINKLER LEGEND

SYMBOL	DESCRIPTION	MANUFACTURER	MODEL	NOZZEL	RADIUS	GPM	PSI	PATTERN	DETAIL
	6" POP-UP ROTARY SPRAY HEAD	RAINBIRD	1806-SAM-PRS	R-VAN 17-24	17-24	1.95	35	FULL	E / LS-2.04
	6" POP-UP ROTARY SPRAY HEAD	RAINBIRD	1806-SAM-PRS	R-VAN 17-24	17-24	1.30	35	HALF	
	6" POP-UP ROTARY SPRAY HEAD		1806-SAM-PRS	R-VAN 17-24	17-24	0.65	35	QUARTER	
	6" POP-UP ROTARY SPRAY HEAD		1806-SAM-PRS	R-VAN 13-18	13-18	0.91	35	HALF	
	6" POP-UP ROTARY SPRAY HEAD		1806-SAM-PRS	R-VAN 13-18	13-18	0.47	35	QUARTER	
	6" POP-UP ROTARY SPRAY HEAD		1806-SAM-PRS	R-VAN 8-14	8-14	1.12	35	FULL	
	6" POP-UP ROTARY SPRAY HEAD		1806-SAM-PRS	R-VAN 8-14	8-14	0.58	35	HALF	
	6" POP-UP ROTARY SPRAY HEAD		1806-SAM-PRS	R-VAN 8-14	8-14	0.29	35	QUARTER	
	12" POP-UP SPRAY HEAD		1812-SAM-PRS	HE-VAN 12	12	0.59	30	QUARTER	
	12" POP-UP SPRAY HEAD		1812-SAM-PRS	HE-VAN 8	8	0.29	30	QUARTER	
	12" POP-UP SPRAY HEAD		1806-SAM-PRS	MPR 15	15	3.70	30	FULL	
	6" POP-UP SPRAY HEAD		1806-SAM-PRS	MPR 15	15	1.85	30	HALF	
	6" POP-UP SPRAY HEAD		1806-SAM-PRS	MPR 15	15	0.92	30	QUARTER	
	6" POP-UP SPRAY HEAD		1806-SAM-PRS	MPR 10	10	0.79	30	HALF	
	6" POP-UP SPRAY HEAD		1806-SAM-PRS	MPR 10	10	0.39	30	QUARTER	
	6" POP-UP SPRAY HEAD		1806-SAM-PRS	5CST-B	5	0.50	30		
	BUBBLER EMITTER IN PLANTER BOX		REFER TO SPECIAL PROVISIONS			0.25			H / LS-2.04
	RWS-B-C-1402 BUBBLER (2 PER TREE)		1806-SAM-PRS	1402		0.50			C / LS-2.03

IRRIGATION EQUIPMENT LEGEND

SYMBOL	DESCRIPTION	MANUFACTURER	MODEL/TYPE	SIZE	DETAIL
	REMOTE CONTROL VALVE	SUPERIOR	950 SERIES	SEE PLAN	G / LS-2.04
	QUICK COUPLER	RAINBIRD	33 DLRC	3/4"	F / LS-2.04
A	CONTROLLER "A" : CONTROLLER (WALL MOUNT) WITH ENCLOSURE AND RAIN SENSOR, LOCATED AT MONTEITH PARK, CONTROLLER INSIDE UTILITY SHED, RAIN SENSOR MOUNTED OUTSIDE SHED.	WEATHERTRAK	WTLC - C -18+ WITH FLOW KEY - AX (W/10YR WARRANTY AND DATA SERVICE)	(14) STATIONS	A / LS-2.03
B	CONTROLLER "B" : CONTROLLER (SOLAR) WITH ENCLOSURE AND RAIN SENSOR, LOCATED AT S. VICTORIA AVE	REFER TO SPECIAL PROVISIONS	REFER TO SPECIAL PROVISIONS	(1) STATION	B / LS-2.03
F	FLOW SENSOR WITH MASTER VALVE	WEATHERTRAK	FLOW 3	1.5"	B / LS-2.04
R	RAIN SENSOR	REFER TO SPECIAL PROVISIONS	REFER TO SPECIAL PROVISIONS		A,B / LS-2.03
WM *	WATER METER - EXISTING			SEE PLAN	
WM	WATER METER - PROPOSED & INSTALLED BY THE AGENCY			SEE PLAN	
	BACKFLOW PREVENTER, PRESSURE REGULATING VALVE, BACKFLOW ENCLOSURE	REFER TO SPECIAL PROVISIONS	REFER TO SPECIAL PROVISIONS	SEE PLAN	A / LS-2.04
	GATE VALVE	NIBCO	T-113K	LINE SIZE	C / LS-2.04
— — —	MAIN LINE		REFER TO SPECIAL PROVISIONS	SEE PLAN	D / LS-2.04
- - - - - -	LATERAL LINE - TREES		REFER TO SPECIAL PROVISIONS		
———	LATERAL LINE		REFER TO SPECIAL PROVISIONS		
	SLEEVING		REFER TO SPECIAL PROVISIONS		

SLEEVING CHART

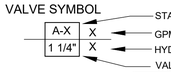
SLEEVE SIZE	PVC CLASS	PIPE SIZE	WIRES
1.25"	SCH 40	0.5"	1 - 4
1.5"	SCH 40	0.75"	5 - 10
2"	CLASS 315	1"	11 - 20
2.5"	CLASS 315	1.25"	21 - 30
3"	CLASS 315	1.5"	31 - 40
4"	CLASS 315	2"	41 - 60
6"	SCH 80	2.5 - 3"	61 - 99

PIPE SIZING CHART

OR AS SHOWN ON PLANS

GPM	PIPE SIZE
1 - 7	0.75"
8 - 12	1"
13 - 22	1.25"
23 - 30	1.50"
31 - 50	2"
51 - 70	2.5"

VALVE SYMBOL



* HYDROZONE - PLANT FACTOR (WATER NEEDS)

HYDROZONE	PLANT FACTOR
H = HIGH	0.7 - 1.0
M = MODERATE	0.4 - 0.6
L = LOW	0.1 - 0.3
VL = VERY LOW	< 0.1

CALL 8-1-1 TOLL FREE

811

TWO WORKING DAYS BEFORE YOU DIG

DATE	MK	DESCRIPTION

REVISIONS

LICENSED LANDSCAPE ARCHITECT — KWAI K. CHUNG NO. 5047 — STATE OF CALIFORNIA

Signature
12/31/2022
Renewal Date
05/26/2022
Date

PROJECT LANDSCAPE ARCHITECT DATE

LOS ANGELES COUNTY PUBLIC WORKS

MONTEITH PARK AND VIEW PARK GREEN ALLEY STORMWATER IMPROVEMENTS

LANDSCAPE IMPROVEMENTS

IRRIGATION NOTES & LEGENDS

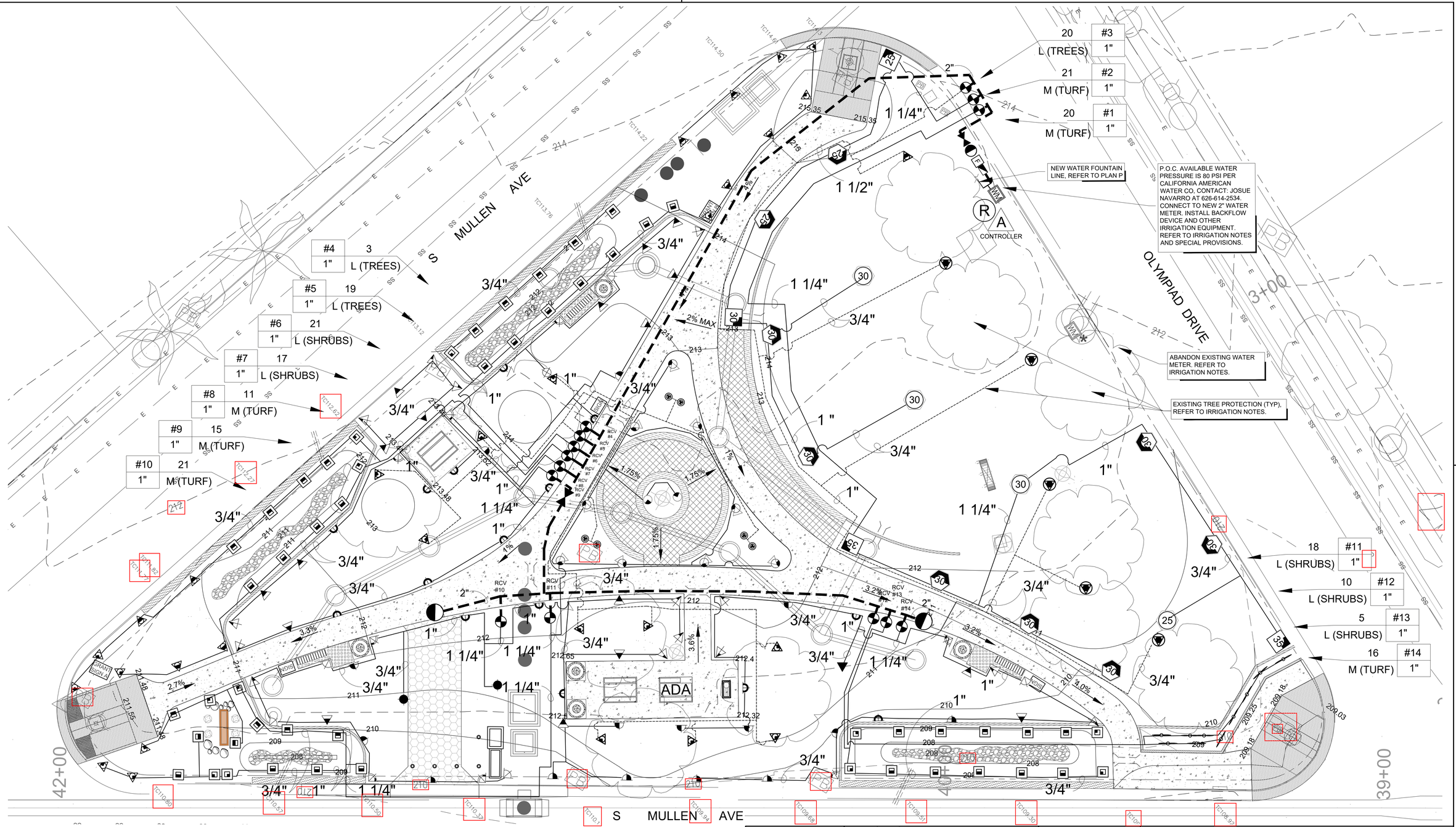
PROJ ID NO. SWQ0000005

LS-2.00

CAPITAL PROJECT NO. CP-69813 | SHEET 10 OF 18

DATE: 8/3/2022

PLAN LS



CALL 8-1-1 TOLL FREE 811 TWO WORKING DAYS BEFORE YOU DIG

DATE	MK	DESCRIPTION
		REVISIONS

LICENSED LANDSCAPE ARCHITECT KMIK CHUNG NO. 5047 STATE OF CALIFORNIA
Signature
12/31/2022 Renewal Date
05/26/2022 Date
PROJECT LANDSCAPE ARCHITECT DATE

LOS ANGELES COUNTY PUBLIC WORKS

MONTEITH PARK AND VIEW PARK GREEN ALLEY STORMWATER IMPROVEMENTS

LANDSCAPE IMPROVEMENTS

IRRIGATION PLAN

PROJ ID NO. SWQ0000005 LS-2.01

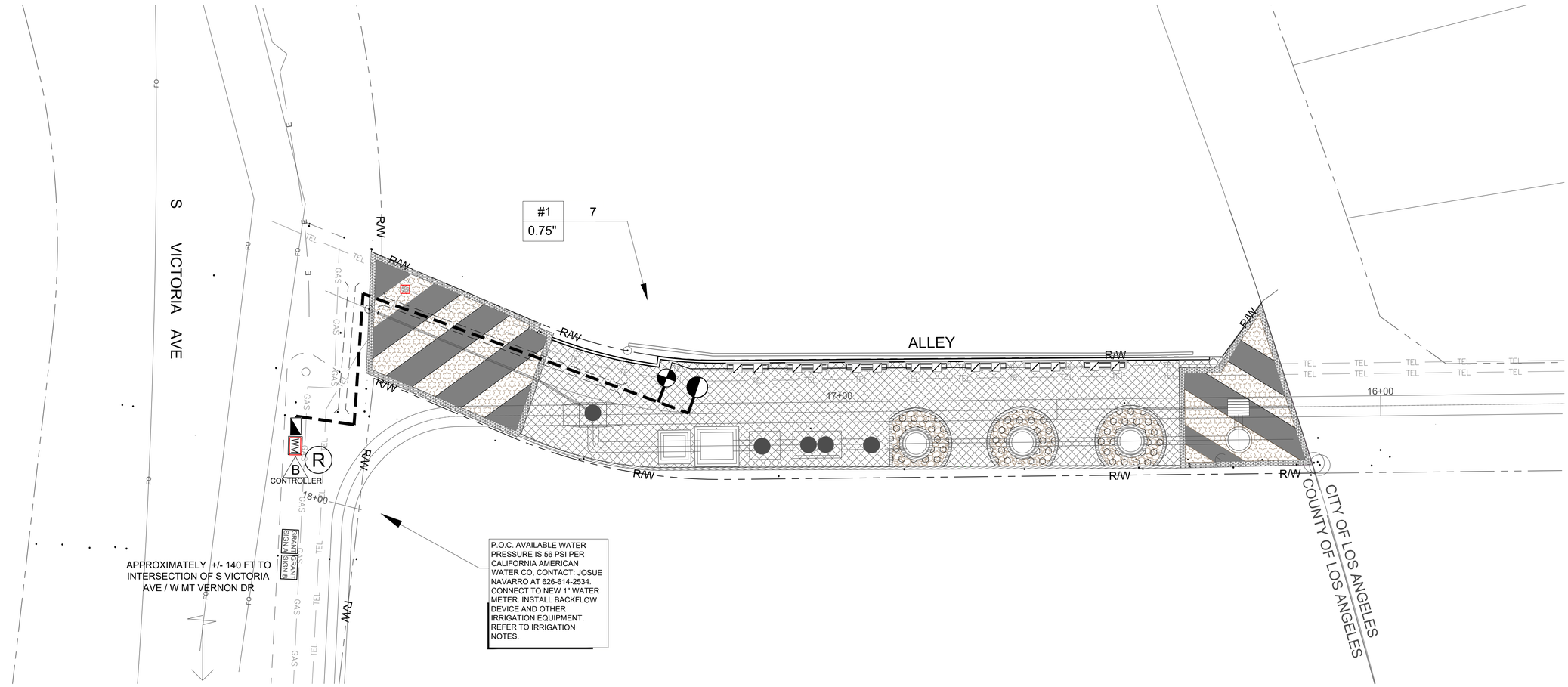
CAPITAL PROJECT NO. CP-69813 | SHEET 11 OF 18

PLAN LS

DATE: 8/3/2022

CADD FILE NAME: 2.00 IRRIGATION PLAN.dwg

PLOT DATE: 9/28/2022



CALL 8-1-1 TOLL FREE
811
TWO WORKING DAYS BEFORE YOU DIG

DATE	MK	DESCRIPTION

REVISIONS

LICENSED LANDSCAPE ARCHITECT
KHNK CHUNG NO. 5047
Signature
12/31/2022
Renewal Date
05/26/2022
Date
STATE OF CALIFORNIA
PROJECT LANDSCAPE ARCHITECT DATE

LOS ANGELES COUNTY PUBLIC WORKS

MONTEITH PARK AND VIEW PARK GREEN ALLEY STORMWATER IMPROVEMENTS

LANDSCAPE IMPROVEMENTS

IRRIGATION PLAN

PROJ ID NO. SWQ0000005

LS-2.02

CAPITAL PROJECT NO. CP-69813

SHEET 12 OF 18

PLAN LS

DATE: 8/3/2022

CADD FILE NAME: 2.0 IRRIGATION PLAN.dwg

PLOT DATE: 9/28/2022

WATER EFFICIENT LANDSCAPE WORKSHEET at Monteith Park

Reference Evapotranspiration (ET_o)			50.1	Project Type	Non-Residential		0.45
Hydrozone # / Planting Description[a]	Plant Factor (PF)	Irrigation Method[b]	Irrigation Efficiency (IE)[c]	ETAF (PF/IE)	Landscape Area (Sq. Ft.)	ETAF x Area	Estimated Total Water Use (ETWU)[d]
Regular Landscape Areas							
Hydrozone 1: 6,7,11,12 Low water use shrubs (spray)	0.3	Overhead Spray	0.75	0.40	4692	1877	58297
Hydrozone 2: 13 Low water use shrubs (bubbler)	0.3	Drip	0.81	0.37	164	61	1887
Hydrozone 3: 3,5 Low water use Trees (spray)	0.3	Overhead Spray	0.75	0.40	869	348	0
Hydrozone 4: 4 Low water use Trees (bubbler)	0.3	Tree Bubblers	0.81	0.37	60	22	690
						0	0
						0	0
						0	0
						0	0
						0	0
						0	0
						0	0
						0	0
						0	0
						0	0
						0	0
						0	0
				Totals	5785	2307	60874
Special Landscape Areas							
Hydrozone SLA 1: 1,2,8,9,10,14 Medium water use turf (spray)	[redacted]			1	16946	16946	526377
				1		0	0
				1		0	0
				1		0	0
				Totals	16946	16946	526377
						ETWU Total	587251
						Maximum Allowed Water Allowance (MAWA)[e]	607239

ATTACHMENT B.1 IRRIGATION CONTROLLER "A" RUN TIMES

Monteith

IRRIGATION SCHEDULE (Peak Summer Schedule)

PROJECT NAME: Monteith Park and View Park Green Alley Stormwater : Monteith Park

PROJECT LOCATION: Los Angeles, CA

TOTAL LANDSCAPE AREA: 22,731 sq.ft.

ETo: Los Angeles

jan.	feb.	mar.	april	may	june	july	aug.	sept.	oct.	nov.	dec.	annual
2.2	2.7	3.7	4.7	5.5	5.8	6.2	5.9	5.0	3.9	2.6	1.9	50.1

valve no.	valve size	flow (GPM)	irr. effcy. (IE)	irr. type	area (sq.ft.)	plant type	precip rate (in/min.)	plant factor (PF)	daily runtime (min.)	nos. of cycles per day	individ. runtimes (min.)	frequency per month	monthly runtime (min.)	total ETWU Gallons
1	1"	20.00	0.75	Spray	4559	turf	0.42	0.6	88	1	88	8	704.8	14019.8
2	1"	21.00	0.75	Spray	4559	turf	0.44	0.6	84	1	84	8	671.2	14019.8
3	1"	20.00	0.75	Spray	474	tree	4.06	0.3	5	1	5	8	36.6	728.8
4	1"	3.00	0.81	Bubbler	60	tree	4.81	0.3	4	1	4	8	28.6	85.4
5	1"	19.00	0.75	Spray	395	tree	4.63	0.3	4	1	4	8	32.1	607.4
6	1"	21.00	0.75	Spray	1397	shrub	1.45	0.3	13	1	13	8	102.8	2148.0
7	1"	17.00	0.75	Spray	1086	shrub	1.51	0.3	12	1	12	8	98.8	1669.8
8	1"	11.00	0.75	Spray	1279	turf	0.83	0.6	45	1	45	8	359.5	3933.2
9	1"	15.00	0.75	Spray	1759	turf	0.82	0.6	45	1	45	8	362.6	5409.3
10	1"	21.00	0.75	Spray	2669	turf	0.76	0.6	49	1	49	8	393.0	8207.7
11	1"	18.00	0.75	Spray	1439	shrub	1.20	0.6	31	1	31	8	247.2	4425.2
12	1"	10.00	0.75	Spray	770	shrub	1.25	0.3	15	1	15	8	119.0	1184.0
13	1"	5.00	0.81	Bubbler	164	shrub	2.93	0.3	6	1	6	8	47.0	233.5
14	1"	16.00	0.75	Spray	2121	turf	0.73	0.6	51	1	51	8	409.9	6522.5
						Total Runtime per day			7.5	Hours		Total Monthly ETWU		63194.4

PRESSURE LOSS CALCULATION

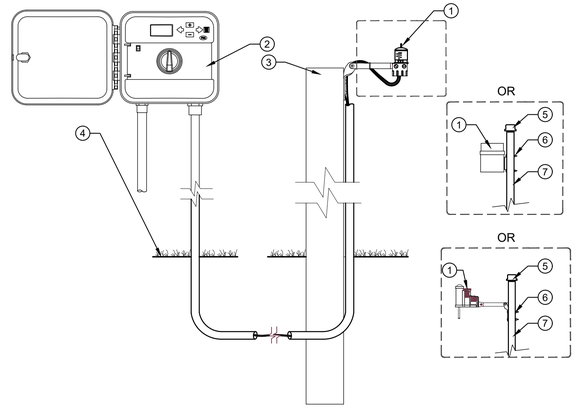
VALVE NUMBER: 10 (21 GPM)
(HIGHEST DEMAND VALVE 2" MAIN)

WATER PURVEYOR PROVIDES 80 PSI
REFER TO PLANS FOR CONTACT INFORMATION.

PRESSURE LOSS METER 2"	1
BACKFLOW PREVENTER 1.5"	12.00
MASTER VALVE 2"	1
GATE VALVE (.5 LOSS PER VALVE)	1
REMOTE CONTROL VALVE (1")	3
MAIN LINE 2"	3.92
LATERAL LINES 1.25"	0.44
LATERAL LINES 1"	1.45
LATERAL LINES .75"	4.07
SUB TOTAL	27.88
MISCELLANEOUS (10%):	2.79
FRICTION LOSS TOTAL:	30.67
SYSTEM DESIGN PRESSURE:	35.00
RESIDUAL PRESSURE:	14.33

Hydrozone Matrix

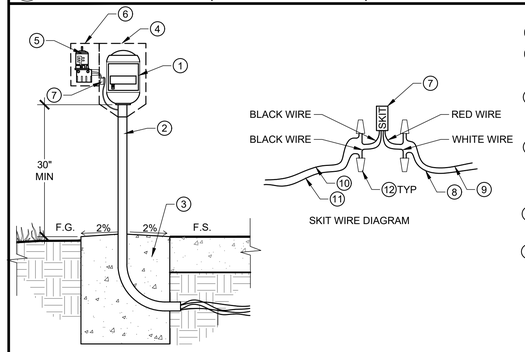
Hydrozone	Irrigation Valve Number	GPM	Water Needs	WUCOLS IV Plant Factor	Square Footage
"M" - Medium Wtr Turf	1	20.00	M	0.6	4559
"M" - Medium Wtr Turf	2	21.00	M	0.6	4559
"L" - Low Wtr Trees	3	20.00	L	0.3	474
"L" - Low Wtr Trees	4	3.00	L	0.3	60
"L" - Low Wtr Shrubs	5	19.00	L	0.3	395
"L" - Low Wtr Shrubs	6	21.00	L	0.3	1397
"L" - Low Wtr Shrubs	7	17.00	L	0.3	1086
"M" - Medium Wtr Turf	8	11.00	M	0.6	1279
"M" - Medium Wtr Turf	9	15.00	M	0.6	1759
"M" - Medium Wtr Turf	10	21.00	M	0.6	2669
"M" - Medium Wtr Turf	11	18.00	M	0.6	1439
"L" - Low Wtr Shrubs	12	10.00	L	0.3	770
"L" - Low Wtr Shrubs	13	5.00	L	0.3	164
"M" - Medium Wtr Turf	14	16.00	M	0.6	2121
					22731



LEGEND

1. RAIN SENSOR. REFER TO SPECIAL PROVISIONS.
2. WALL MOUNT CONTROLLER.
3. POST OR SUITABLE MOUNTING SURFACE.
4. FINISHED GRADE.
5. 1.5" PIPE CAP.
6. SECURE TO THE MANUFACTURER'S RECOMMENDATIONS.
7. 1.5" GALVANIZED PIPE 10 FEET HIGH.

Ⓐ CONTROLLER (WALL MOUNT) WITH ENCLOSURE AND RAIN SENSOR SCALE: NTS



SKIT WIRE DIAGRAM

LEGEND

1. SOLAR CONTROLLER
2. MOUNTING COLUMN. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
3. 12" DIA. BY 18" MINIMUM DEEP FOOTING. TOP OF FOOTING SHALL BE 2" ABOVE ADJACENT GRADE.
4. ENCL-X STAINLESS STEEL ENCLOSURE BY DIG INDUSTRIES (OR AGENCY APPROVED EQUAL) INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
5. RAIN SENSOR PER SPECIAL PROVISIONS. MOUNT AND CONNECT SENSOR
6. RAIN SENSOR ENCLOSURE PER SPECIAL PROVISIONS.
7. SKIT ADAPTER PART NO. 8821-4 BY DIG CORP (OR AGENCY APPROVED EQUAL).
8. COMMON WIRE FROM SENSOR.
9. NORMALLY CLOSED WIRE FROM SENSOR.
10. HOT WIRE FROM CONTROLLER
11. COMMON WIRE FROM CONTROLLER
12. (4) DRY SPLICE CONNECTORS.

Ⓑ CONTROLLER (SOLAR) WITH ENCLOSURE AND RAIN SENSOR SCALE: NTS

WATER EFFICIENT LANDSCAPE WORKSHEET Monteith Park and View Park Green Alley Stormwater : View park Green Alley (off Victoria Av)

Reference Evapotranspiration (ET_o)			50.1	Project Type	Non-Residential		0.45
Hydrozone # / Planting Description[a]	Plant Factor (PF)	Irrigation Method[b]	Irrigation Efficiency (IE)[c]	ETAF (PF/IE)	Landscape Area (Sq. Ft.)	ETAF x Area	Estimated Total Water Use (ETWU)[d]
Regular Landscape Areas							
Hydrozone 1: Vine Planting	0.3	Drip	0.81	0.37	81	30	932
						0	0
						0	0
						0	0
						0	0
						0	0
						0	0
						0	0
				Totals	81	30	932
Special Landscape Areas							
	[redacted]			1		0	0
				1		0	0
				1		0	0
				1		0	0
				Totals	0	0	0
						ETWU Total	932
						Maximum Allowed Water Allowance (MAWA)[e]	1132

ATTACHMENT B.1 IRRIGATION CONTROLLER "B" RUN TIMES

Monteith Park and View Park Green Alley Stormwater Improvements

IRRIGATION SCHEDULE (Peak Summer Schedule)

PROJECT NAME: Monteith Park and View Park Green Alley Stormwater : View park Green Alley (off Victoria Av)

PROJECT LOCATION: Los Angeles, CA

TOTAL LANDSCAPE AREA: 81 sq.ft.

ETo: Los Angeles

jan.	feb.	mar.	april	may	june	july	aug.	sept.	oct.	nov.	dec.	annual
2.2	2.7	3.7	4.7	5.5	5.8	6.2	5.9	5.0	3.9	2.6	1.9	50.1

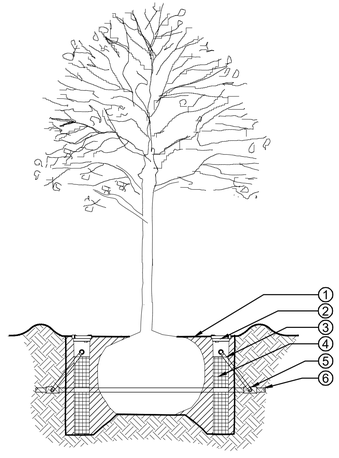
valve no.	valve size	flow (GPM)	irr. effcy. (IE)	irr. type	area (sq.ft.)	plant type	precip rate (in/min.)	plant factor (PF)	daily runtime (min.)	nos. of cycles per day	individ. runtimes (min.)	frequency per month	monthly runtime (min.)	total ETWU Gallons
1	3/4"	9.00	0.81	Drip	81	shrub	10.69	0.3	2	1	2	8	12.9	115.3
						Total Runtime per day			0.0	Hours		Total Monthly ETWU		115.3

PRESSURE LOSS CALCULATION

VALVE NUMBER: B-1 (11 GPM)
(HIGHEST DEMAND VALVE 1" MAIN)

WATER PURVEYOR PROVIDES 56 PSI
REFER TO PLANS FOR CONTACT INFORMATION.

PRESSURE LOSS METER 1.5"	1.80
BACKFLOW PREVENTER 1"	12.00
GATE VALVE (.5 LOSS PER VALVE)	1.50
REMOTE CONTROL VALVE (1")	5.60
ELEVATION DIFFERENTIAL (-2')	-0.87
MAIN LINE 1"	1.18
LATERAL LINES 1.5"	0.00
LATERAL LINES 1.25"	0.00
LATERAL LINES 1"	0.47
LATERAL LINES .75"	0.91
SUB TOTAL	22.60
MISCELLANEOUS (10%):	2.26
FRICTION LOSS TOTAL:	24.86
SYSTEM DESIGN PRESSURE:	30.00
RESIDUAL PRESSURE:	25.14



LEGEND:

1. FINISH GRADE
2. ROOT WATERING SYSTEM, REFER TO SPECIAL PROVISIONS
3. 1/2" PVC SWING JOINT ASSEMBLY
4. 4" DIA. RIGID BASKET WEAVE CANISTER, WITH LANDSCAPE FABRIC SOCK
5. PVC SCH. 40 TEE OR ELBOW
6. LATERAL LINE

NOTES:

1. USE 2 UNITS PER TREE.
2. POSITION UNITS EVENLY SPACED AROUND ROOT BALL
3. SET TOP OF CAP 1" ABOVE FINISH GRADE
4. ONCE INSTALLED, FILL BASKET WITH ± 1/4" CRUSHED ROCK TO 2" BELOW BOTTOM OF BUBBLER

Ⓒ TREE ROOT WATERING SYSTEM SCALE: NTS

IRRIGATION CALCULATIONS

CALL 8-1-1 TOLL FREE 811 TWO WORKING DAYS BEFORE YOU DIG

DATE	MK	DESCRIPTION
		REVISIONS

LICENSED LANDSCAPE ARCHITECT MINH K. CHUNG NO. 5047 STATE OF CALIFORNIA
Signature
12/31/2022 Renewal Date
05/26/2022 Date
PROJECT LANDSCAPE ARCHITECT DATE

LOS ANGELES COUNTY PUBLIC WORKS

MONTEITH PARK AND VIEW PARK GREEN ALLEY STORMWATER IMPROVEMENTS

LANDSCAPE IMPROVEMENTS

IRRIGATION DETAILS

PROJ ID NO. SWQ0000005 LS-2.03

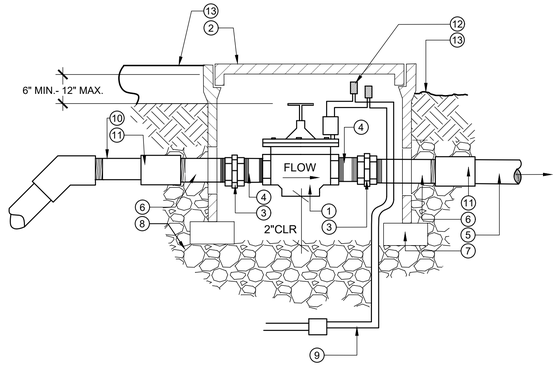
CAPITAL PROJECT NO. CP-69813 SHEET 13 OF 18

DATE: 8/3/2022

PLAN LS

CADFILE NAME: 2.00 IRRIGATION PLAN.dwg

PLOT DATE: 9/28/2022



LEGEND:

1. ELECTRIC CONTROL VALVE, SEE SPECIAL PROVISIONS.
2. CONCRETE VALVE BOX-SEE SPECIAL PROVISIONS. CONCRETE VALVE BOX WITH HINGED AND LOCKABLE METAL LID.
3. UNION (TYP.)
4. PVC SCHEDULE 80 T.O.E. NIPPLE (TREADED TWO END)
5. PVC PIPE TO IRRIGATION HEADS. ANGLE PIPE TO SPECIFIED DEPTH WITH 45 DEGREE ELBOWS.
6. 6" BRASS THREAD NIPPLE
7. COMMON RED BRICK, ONE AT EACH CORNER (4 REQUIRED) (TYP.)
8. 3/4" CRUSHED ROCK - 8" DEEP AND 2" CLEAR BELOW VALVE.
9. CONTROL COMMON WIRES FROM CONTROLLER.
10. PVC MAIN LINE. PVC FEMALE ADAPTER.
11. WIRE CONNECTOR PER SPECIAL PROVISIONS (TYP.)
12. WATERPROOF CONNECTIONS.
13. ADJACENT FINISH GRADE (TOP OF BOX TO BE 1" ABOVE GRADE FOR LAWN, 2"ABOVE GRADE FOR GROUND COVER/SHRUB AREA) OR WHERE APPLICABLE, ADJACENT FINISH SURFACE OF PAVEMENT. TOP OF BOX TO BE FLUSH W/ PAVEMENT.

NOTES:
1. WHEN VALVE BOXES ARE CLUSTERED, PROVIDE 1' MIN. CLEARANCE BETWEEN BOXES.

2. PROVIDE VALVE WITH SEPARATE CONNECTION TO MAINLINE. INSTALL NO MULTIPLE ASSEMBLIES.

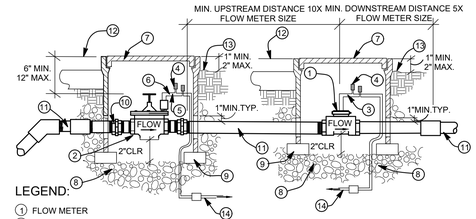
3. INSTALL VALVE BOX WITH HINGED COVER "OPENING TOWARD" DOWNSTREAM OF VALVE IN ORDER TO PROVIDE ACCESS TO FLOW CONTROL FEATURE OF CONTROL VALVE.

4. ALL VERTICAL CHANGES IN MAINLINE PIPE DIRECTION SHALL BE DONE WITH THE USE OF 45 DEGREE ELBOWS.

5. INSTALL GALVANIZED WOVEN MESH (1/4" SIEVE SIZE) BETWEEN RCV BOX AND CRUSHED ROCK. WRAP FABRIC UP SIDE OF BOX (3" MIN.)

G REMOTE CONTROL VALVE

SCALE: NTS



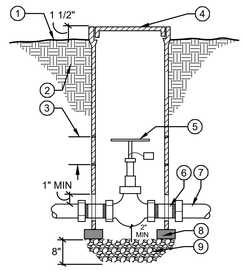
LEGEND:

1. FLOW METER
2. MASTER VALVE
3. SIGNAL CONDUCTOR CABLE.
4. WATERPROOF CONNECTORS FOR WIRES/ CONDUCTORS (TYP.)
5. COMMON WIRE (WHITE)
6. CONTROL WIRE
7. VALVE BOX, REFER TO SPECIAL PROVISIONS.
8. 3/4" CRUSHED ROCK, 8" DEEP
9. COMMON RED BRICK, ONE AT EACH CORNER (4 REQUIRED) TYP.
10. UNION (TYP.)
11. PVC MAINLINE
12. ADJACENT FINISH SURFACE OF PAVEMENT. TOP OF BOX TO BE FLUSH W/ PAVEMENT.
13. ADJACENT FINISH GRADE (TOP OF BOX TO BE 3" ABOVE GRADE
14. WIRES TO AUTOMATIC IRRIGATION CONTROLLER

NOTES:
1. INSTALL FLOW METER AND MASTER VALVE PER MANUFACTURER'S RECOMMENDATIONS.
2. PROVIDE 2' EXPANSION LOOP AT EACH WIRE CONNECTION IN VALVE BOX & CONTROL WIRES.
3. ALL PIPE FITTINGS SHALL BE PVC SCH. 80 UNLESS OTHERWISE NOTED.
4. TAPE DIRECT BURIAL WIRES IN BUNDLES EVERY 10'.
5. WATERPROOF CONNECTORS, REFER TO SPECIAL PROVISIONS.

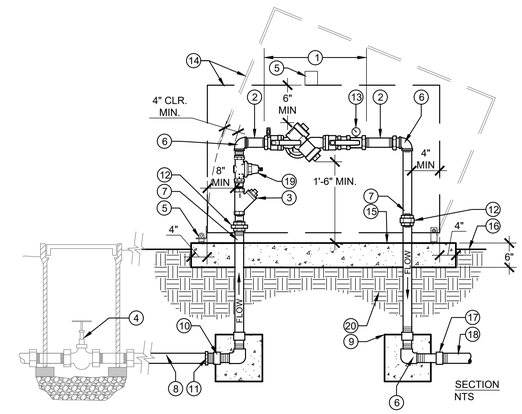
B FLOW METER AND MASTER VALVE

SCALE: NTS



LEGEND:

1. FINISH GRADE/ FINISH SURFACE PER PLAN, REFER TO SPECIAL PROVISIONS FOR REQUIRED ELEVATION DIFFERENCE OF TOP OF VALVE BOX TO ADJACENT FINISH GRADE/SURFACE.
2. COMPACTED SUBGRADE.
3. BREAK-OFF GROVES 3 PLACES -4" (TYP.).
4. VALVE BOX .
5. GATE VALVE W/HANDWHEEL LINE SIZE.
6. SCH. 80 P.V.C. NIPPLES, (TYP.).
7. PVC MAINLINE
8. COMMON RED BRICK, ONE AT EACH CORNER (4 REQUIRED).
9. 3/4" DIA. CRUSHED ROCK 8" DEEP (SEE SSPWC SECTION 200-1.2.1)



LEGEND:

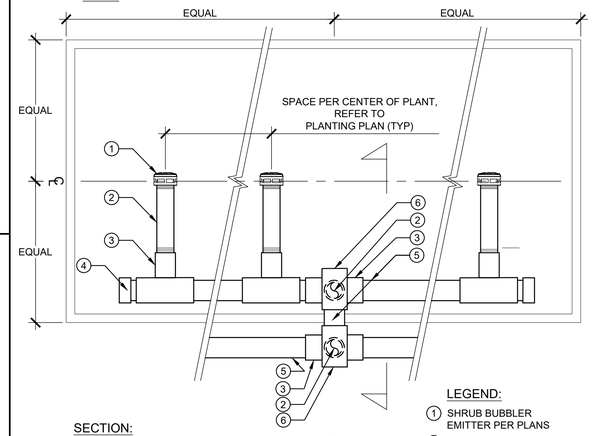
1. REDUCED PRESSURE BACKFLOW PREVENTER ASSEMBLY, PER SPECIAL PROVISIONS.
2. BRASS NIPPLE - 3" MIN, 4" MAX LENGTH (TYP).
3. BRONZE WYE STRAINER WITH 60 MESH MONEL SCREEN
4. GATE VALVE - SEE DETAIL - THIS SHEET.
5. ENCLOSURE LOCK FOR SINGLE (SIDE) OR DUAL (TOP) OPENING.
6. BRASS 90 DEGREE ELBOW (TYP).
7. BRASS RISER/NIPPLE (TYP) - WRAP ALL PIPE BELOW SOIL/CONCRETE LINE WITH 10 MIL PVC TAPE.
8. MAINLINE FROM POINT OF CONNECTION - ADAPT AS REQUIRED
9. 12"x12"x12" CONCRETE THRUST BLOCK (TYP).
10. BRASS COUPLING - SET FLUSH WITH CONCRETE (TYP).
11. DI-ELECTRIC COUPLING
12. BRASS UNION - LINE SIZE
13. WATERPROOF PRESSURE GAUGE (0-200 PSI) ON 1/4" NPT THREADED SP REDUCING BUSHING - ADAPT AS REQUIRED, REFER TO SPECIAL PROVISIONS.
14. BACKFLOW DEVICE ENCLOSURE, PER SPECIAL PROVISIONS. PROVIDE SECURITY-GRADE PADLOCK.
15. 6" THICK CONCRETE PAD SLOPED TO DRAIN. EXTEND PAD 4" BEYOND ALL FOUR SIDES OF ENCLOSURE, SET TOP OF PAD 2" ABOVE FINISHED GRADE OR FLUSH W/ ADJACENT PAVING.
16. FINISHED GRADE
17. PVC MALE ADAPTER
18. PVC MAINLINE
19. PRESSURE REGULATOR, PER SPECIAL PROVISIONS.
20. COMPACTED SUBGRADE.

NOTES:
1. ENGINEER TO APPROVE FINAL LOCATION OF BACKFLOW PREVENTER AND ENCLOSURE PRIOR TO INSTALLATION.
2. FINAL ASSEMBLY AND FITTING OF BACKFLOW PREVENTER WITHIN THE ENCLOSURE IS THE RESPONSIBILITY OF CONTRACTOR.
3. AFTER CERTIFICATION OF BACKFLOW BY HEALTH DEPARTMENT, PAINT ALL BRASS WITH BLACK PAINT. PROVIDE COLOR SAMPLE FOR APPROVAL BEFORE PAINTING EQUIPMENT.

A BACKFLOW PREVENTER

SCALE: NTS

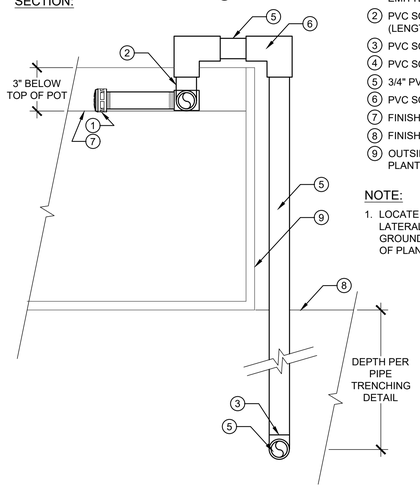
PLAN:



LEGEND:

1. SHRUB BUBBLER EMITTER PER PLANS
2. PVC SCH 80 RISER (LENGTH AS REQUIRED)
3. PVC SCH 80 "T"
4. PVC SCH 80 CAP
5. 3/4" PVC LATERAL PIPE
6. PVC SCH 80 "ELL"
7. FINISH GRADE
8. FINISH SURFACE
9. OUTSIDE EDGE OF PLANTER

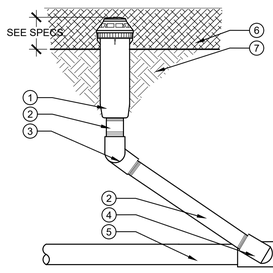
SECTION:



NOTE:
1. LOCATE RISER FROM LATERAL BELOW GROUND, AT CENTER OF PLANTER

H BUBBLER EMITTER IN PLANTER BOX

SCALE: NTS



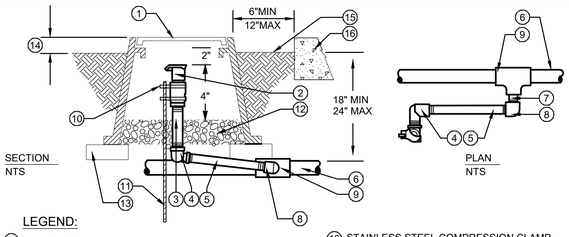
LEGEND:

1. POP-UP SPRINKLER.
2. PVC SCH 80 NIPPLE (LENGTH AS REQUIRED).
3. PVC SCH 80 ELL.
4. PVC SCH 80 RISER ASSEMBLY (SEE NOTES BELOW).
5. PVC LATERAL PIPE.
6. MULCH, WHERE OCCURS.
7. FINISH GRADE.

NOTE:
1. IRRIGATION HEADS FOR NON-RECREATIONAL TURF AREAS SHALL HAVE DOUBLE SWING RISER ASSEMBLIES.

F QUICK COUPLER

SCALE: NTS



LEGEND:

1. VALVE BOX.
2. 3/4" QUICK COUPLING VALVE.
3. SCHEDULE 80 PVC - LENGTH AS REQUIRED.
4. SCHEDULE 80 PVC THREADED ELBOW.
5. SCHEDULE 80 NIPPLE - 6" MINIMUM. 12" MAXIMUM LENGTH.
6. PVC MAINLINE PIPING.
7. PVC SCHEDULE 80 T.O.E. (THREADED ON END NIPPLE - 2" LENGTH).
8. SCHEDULE 80 PVC THREADED ELBOW.
9. PVC SCHEDULE 40 SLIP TEE.

NOTES:
1. VALVE BOX TO BE SET FLUSH NEXT TO CURB OR SIDEWALK.

10. STAINLESS STEEL COMPRESSION CLAMP (2 REQUIRED).
11. #4 x 24" MINIMUM LENGTH REBAR STAKE. SECURE AT QUICK COUPLER BODY ONLY.
12. 3/4" DIA. CRUSHED ROCK 8" DEEP (SEE SSPWC SECTION 200-1.2.1)
13. COMMON RED BRICK, ONE AT EACH CORNER (4 REQUIRED) (TYP.)
14. FINISH GRADE/ FINISH SURFACE PER PLAN, REFER TO SPECIAL PROVISIONS FOR REQUIRED ELEVATION DIFFERENCE OF TOP OF VALVE BOX TO ADJACENT FINISH GRADE/SURFACE.
15. FINISH GRADE.
16. CURB, WALK OR OTHER HARDSCAPE FEATURE

E POP-UP SPRINKLER

SCALE: NTS

LEGEND

1. PAVING.
2. FINISH GRADE.
3. PVC MAINLINE.
4. PVC LATERAL LINE.
5. CONTROL WIRES OR COM. CABLE IN CONDUIT.
6. CONTROL WIRES OR COM. CABLE.
7. SLEEVE FOR MAINLINE
8. SLEEVE FOR LATERAL LINE.
9. CMB
10. SOIL, PER SPECIAL PROVISIONS
11. FINISHED SURFACE MATERIALS:
    - AC PAVEMENT (PER SSPWC 203-6.4 AND LACDPW STD PLAN 1010-1 (AC BINDER SHALL REFLECT CLIMATE ZONE), OR PCC PAVEMENT (520-A-2500), THICKNESS TO MATCH EXISTING PAVEMENT PLUS 1". NOTE, NO AC PAVEMENT SHALL BE GREATER THAN 6" THICKNESS AND SHALL NOT HAVE LESS THAN 4" THICKNESS.
    - PROPOSED SURFACES PER PLAN DR.
12. TRENCH BACKFILL SLURRY (270-E-500). NOTE, IF USED, SHALL HAVE A MINIMUM THICKNESS OF 4"
13. SAND
14. EXISTING AC OR CONCRETE PAVEMENT

NOTES:
1. TAPE AND BUNDLE 24 V. WIRES @ 10' INTERVALS.
2. MINIMUM DEPTH OF 24 V. WIRING SHALL BE 24" BELOW GRADE.
3. TRENCH WIDTH ALLOW 4" MIN. CLEARANCE BETWEEN PARALLEL PIPES.
4. SNAKE PIPES FROM SIDE TO SIDE WITHIN TRENCH TO ALLOW FOR MOVEMENT.
5. TIE A 20" LOOP IN ALL WIRING AT CHANGES OF DIRECTION. UNTIE PRIOR TO BACKFILLING TRENCHES.
6. PROVIDE THRUST BLOCKS PER APWA STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION DETAIL 508-1, EXCEPT THAT THRUST BLOCKS SHALL BE PROVIDED FOR ALL PIPES 2" AND LARGER.

* TELECOMMUNICATIONS UTILITY AT ALLEY NOT SHOWN, REFER TO PLANS. ADJUST DEPTHS SHOWN ON THIS DETAIL TO MAINTAIN 12" MIN. CLEAR FROM TOP OF TELECOM UTILITIES CONDUIT LOCATED AT ALLEY. CONTRACTOR SHALL HAVE REVIEW AND APPROVAL BY ENGINEER PRIOR TO TRENCHING AND PLACEMENT OF IRRIGATION CONDUIT AND IRRIGATION MAINLINES AND LATERAL LINES AT ALLEY.

C GATE VALVE

SCALE: NTS

D PIPE TRENCHING

SCALE: NTS

CALL 8-1-1 TOLL FREE 811 TWO WORKING DAYS BEFORE YOU DIG

DATE	MK	DESCRIPTION

REVISIONS

LICENSED LANDSCAPE ARCHITECT KHAK. CHUNG NO. 5047 STATE OF CALIFORNIA
Signature
12/31/2022
Renewal Date
05/26/2022
Date

PROJECT LANDSCAPE ARCHITECT DATE

LOS ANGELES COUNTY PUBLIC WORKS

MONTEITH PARK AND VIEW PARK GREEN ALLEY STORMWATER IMPROVEMENTS

LANDSCAPE IMPROVEMENTS

IRRIGATION DETAILS

PROJ ID NO. SWQ0000005

LS-2.04

CAPITAL PROJECT NO. CP-69813 | SHEET 14 OF 18

PLAN LS

DATE: 8/3/2022

CADD FILE NAME: 2.0 IRRIGATION PLAN.dwg
PLOT DATE: 9/28/2022

GENERAL PLANTING NOTES:

1. PLANT QUANTITIES IN PLANTING LEGEND IS FOR CONTRACTOR'S CONVENIENCE ONLY. CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL PLANTS SHOWN ON PLANTING PLANS.
2. THE CONTRACTOR SHALL BRING TO THE ATTENTION OF THE ENGINEER ANY PERCEIVED DISCREPANCY BEFORE THE START OF CONSTRUCTION.
3. REFER TO CONSTRUCTION PLAN AND NOTE FOR LOCATION OF EXISTING TREES AND PLANT MATERIALS TO BE PROTECTED IN PLACE.
4. CONTRACTOR SHALL PRUNE AND REMOVE DEAD BRANCHES FROM ALL EXISTING TREES AND SHRUBS TO REMAIN. FOR ALL EXISTING TREES 12 FEET AND HIGHER, REMOVE ALL BRANCHES 7 FEET ABOVE ADJACENT GROUND (MEASURED AT UPPER SIDE OF SLOPE).
5. ANY SOIL PREPARATION AND PLANTING WITHIN THE DRIP LINE OF THE EXISTING TREES SHALL BE DONE BY HAND.
8. ALL TREES ARE TO BE PLANTED MINIMUM 20' FROM EXISTING POWER POLES/ STREET LIGHT (WHERE APPLICABLE).
9. CONTRACTOR SHALL OBTAIN APPROVAL BY LANDSCAPE ARCHITECT OR REPRESENTATIVE PRIOR TO INSTALLATION OF TREES.
10. IF ANY ADJUSTING OF FINAL LOCATION IS NEEDED DUE TO CHANGES DISCOVERED AFTER EXCAVATION DIGGING FOR TREE PIT HAS OCCURRED, CONTRACTOR SHALL OBTAIN APPROVAL BY LANDSCAPE ARCHITECT OR REPRESENTATIVE PRIOR TO INSTALLATION OF TREE.
11. CONTRACTOR SHALL PROVIDE AND INSTALL IMPORTED CLASS "A", "D" TOPSOIL, AND POTTING SOIL PER PLANS AND SPECIAL PROVISIONS. REFER TO CONSTRUCTION PLAN AND SPECIAL PROVISIONS. NOTE THAT AN AGRONOMICAL SOIL'S REPORT SHALL BE SUBMITTED TO BE REVIEWED AND APPROVED BY THE ENGINEER PRIOR TO THE DELIVERY OF THE SOIL ON SITE. CONFIRMATION AGRONOMIC SOIL REPORTS ARE ALSO REQUIRED, REFER TO SPECIAL PROVISIONS.
12. PROPOSED SOD PER LEGEND AND SHALL BE THE FOLLOWING: TIFTUF BERMUDA, SOD OVERSEEDED BY SUPPLIER, MIX DESIGN SHALL BE PERENNIAL RYE GRASS BLEND FOR NOVEMBER TO MARCH GROWTH. PROPOSED DRIVEWAY AT PARK CONTRACTOR SHALL USE APPROVED IMPORTED CLASS "D" TOPSOIL FOR INSTALLATION OF SOIL PER EZ ROLL GRASS PAVER DETAIL AND NOTES, REFER TO PLAN DR.
13. CONTRACTOR SHALL PROVIDE 3" DEEP LAYER OF MEDIUM TO FINE TEXTURED (3/4" TO 2") GROUND WOOD BY-PRODUCT OR SHREDDED BARK MULCH TO ALL PLANTED AREAS. COLOR OF MULCH SHALL BE DARK BROWN IN COLOR, REFER TO SPECIAL PROVISIONS.
14. CONTRACTOR SHALL MAINTAIN ACCURATE "AS-BUILT" RECORD SET OF PLANS FOR ALL WORK PERFORMED UNDER THIS CONTRACT. THESE "AS-BUILT" PLANS SHALL SHOW ALL CHANGES MADE TO THE ORIGINAL PLANS AND SPECIFICATIONS, INCLUDING EXACT "AS-BUILT" LOCATIONS, SIZES AND KINDS OF EQUIPMENT/ MATERIALS PROVIDED. THE FINAL "AS-BUILT" RECORD SET OF PLANS SHALL BE SUBMITTED TO THE AGENCY AT THE COMPLETION OF WORK, PRIOR TO THE START OF PLANT ESTABLISHEMENT PERIOD.

TREE LEGEND

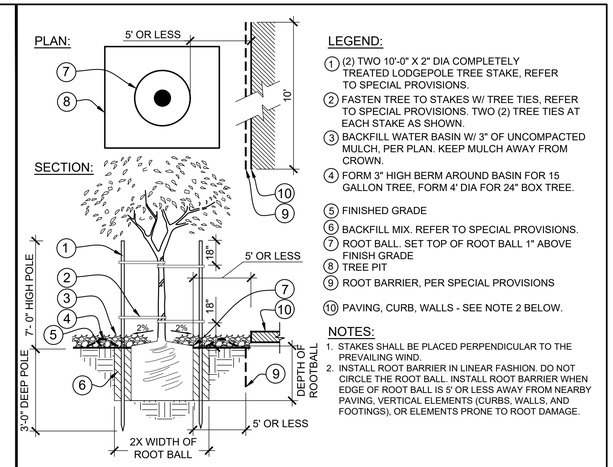
SYMBOL	ABBREVIATION	BOTANICAL NAME	COMMON NAME	SIZE	QUANTITY	WUCOLS
	CHI TAS	CHITALPA TASHKENTENSIS	CHITALPA	24" BOX	3	L
		EXISTING TREE - PROTECT IN PLACE				

SHRUB AND GROUNDCOVER LEGEND

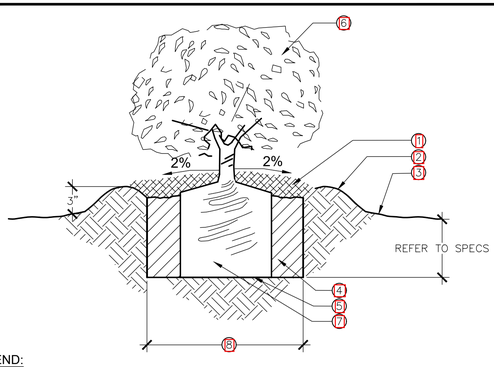
SYMBOL	ABBREVIATION	BOTANICAL NAME	COMMON NAME	SIZE	QUANTITY	SETBACK*	O.C.	WUCOLS
	DIE IRI	DIETES IRIDIOIDES	FORTNIGHT LILY	5 GAL	14	24"	3 FT.	L
	FES CAL	FESTUCA CALIFORNICA	CALIFORNIA FESCUE	1 GAL	13	18"	3 FT.	L
	FES MAI	FESTUCA MAIREI	ATLAS FESCUE	1 GAL	43	12"	2 FT.	L
	IRI DOU	IRIS DOUGLASIANA	DOUGLAS IRIS	5 GAL	29	15"	2.5 FT.	L
	JUN PAT	JUNCUS PATENS	CALIFORNIA GRAY RUSH	1 GAL	100	12"	2 FT.	L
	LAN NEW	LANTANA 'NEW GOLD'	NEW GOLD LANTANA	5 GAL	45	24"	4 FT.	VL
	LAV STO	LAVANDULA STOECHAS	SPANISH LAVENDER	5 GAL	58	18"	3 FT.	L
	LOM LON	LOMANDRA LONGIFOLIA BREEZE	DWARF MAT RUSH	5 GAL	59	18"	3 FT.	L
	MUH DUB	MUHLENBERGIA DUBIA	PINE MUHLY	1 GAL	45	24"	3 FT.	L
	PEN SPE	PENSTEMON SPECTABILIS	SHOWY PENSTEMON	5 GAL	32	18"	3 FT.	L
	SAL GRE	SALVIA GREGGII	AUTUMN SAGE	5 GAL	36	18"	3 FT.	L
	SIS BEL	SISYRINCHIUM BELLUM	BLUE EYE GRASS	1 GAL	24	12"	2 FT.	L
VINES								
	HAR VIO	HARDENBERGIA VIOLACEA	LILAC VINE	5 GAL	11			L
	LON JAP	LONICERA JAPONICA	JAPANESE HONEYSUCKLE	5 GAL	10			L
	MULCH	10' DIA. AROUND THE ROOT ZONE OF EXISTING TREES						
	SOD	HYBRID BERMUDA TIFTUF OVERSEEDED REFER TO PLANTING INSTALLATION NOTES.	TIFTUF SOD WITH RYE OVERSEEDING	SF	8,588			M
	SOD	EXISTING TURF TO REMAIN						M

NOTE:
1. * SETBACK IS FROM ADJACENT HARDSCAPE.
2. PLANT QUANTITIES REFLECT ENTIRE PROJECT, REFER TO GENERAL PLANTING NOTES.
3. PROPOSED SOD SPECIES FROM THE LA COUNTY DEPARTMENT OF PARKS AND RECREATION PARK RECOMMENDATION.

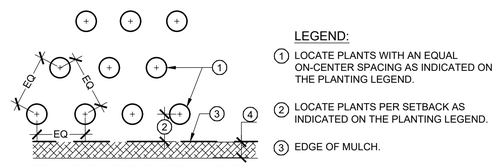
SOIL TESTING LEGEND		
SYMBOL	DECRIPTION	NOTES
	SOIL TESTING LOCATION SITES FOR AGRONOMIC SOIL REPORT	LOCATION 1: P.A. CENTER IN MONTEITH PARK LOCATION 2: P.A. NEAR MONUMENT SIGN AT PARK REFER TO PLANS AND SPECIAL PROVISIONS



A TREE PLANTING/STAKING — SCALE: NTS



B SHRUB PLANTING — SCALE: NTS



NOTE: ALIGN PLANT SPACING ROW LAYOUT PARALLEL TO THE CURB, EDGE OF PAVING, OR DIRECTION INDICATED ON PLAN.

C SHRUB & GROUND COVER SPACING — SCALE: NTS

CALL 8-1-1 TOLL FREE 811 TWO WORKING DAYS BEFORE YOU DIG

DATE	MK	DESCRIPTION

REVISIONS

LICENSED LANDSCAPE ARCHITECT — KHAK. CHUNG NO. 5047 — STATE OF CALIFORNIA
Signature
12/31/2022 Renewal Date
05/26/2022 Date
PROJECT LANDSCAPE ARCHITECT DATE

LOS ANGELES COUNTY PUBLIC WORKS

MONTEITH PARK AND VIEW PARK GREEN ALLEY STORMWATER IMPROVEMENTS

LANDSCAPE IMPROVEMENTS

PLANTING NOTES & DETAILS

PROJ ID NO. SWQ0000005 — LS-3.00

CAPITAL PROJECT NO. CP-69813 — SHEET 15 OF 18

DATE: 8/3/2022

PLAN LS

CADD File Name: 3.00 PLANTING PLAN.dwg

PLOT DATE: 9/28/2022

S MULLEN AVE

OLYMPIAD DRIVE

S MULLEN AVE

42+00

40+00

39+00

3+00

ADA

SCALE: 1" = 10'

NORTH

CALL 8-1-1 TOLL FREE

811

TWO WORKING DAYS BEFORE YOU DIG

DATE	MK	DESCRIPTION
		REVISIONS

LICENSED LANDSCAPE ARCHITECT
KIMI K. CHUNG NO. 5043
Signature
12/31/2022
Renewal Date
05/26/2022
Date
STATE OF CALIFORNIA

PROJECT LANDSCAPE ARCHITECT DATE

LOS ANGELES COUNTY PUBLIC WORKS

MONTEITH PARK AND VIEW PARK GREEN ALLEY STORMWATER IMPROVEMENTS

LANDSCAPE IMPROVEMENTS

PLANTING PLAN

PROJ ID NO. SWQ0000005 LS-3.01

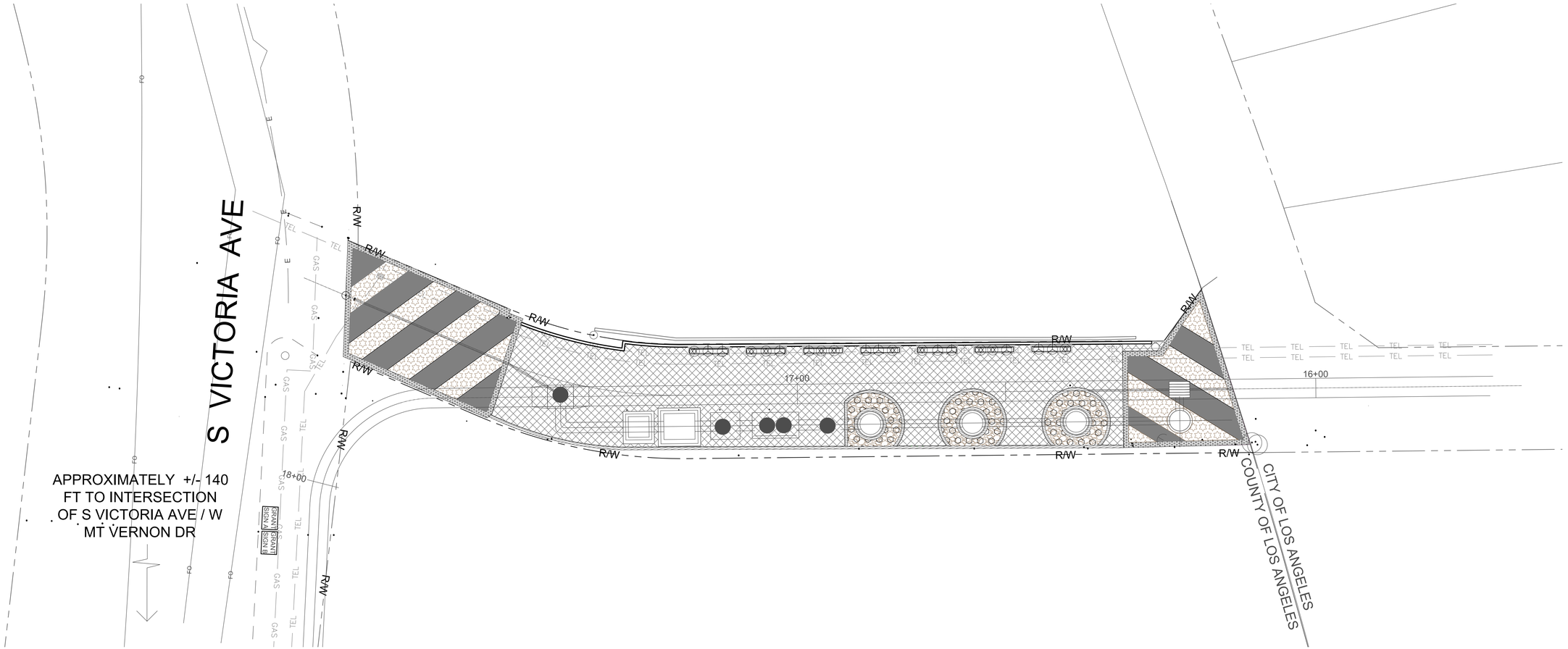
CAPITAL PROJECT NO. CP-69813 SHEET 16 OF 18

PLAN LS

DATE: 8/3/2022

CADD FILE NAME: 3.03 PLANTING PLAN.dgn

PLOT DATE: 9/28/2022



SHRUB AND GROUNDCOVER LEGEND

SYMBOL	ABBREVIATION	BOTANICAL NAME	COMMON NAME	SIZE	QUANTITY	SETBACK*	O.C.	WUCOLS
	DIE IRI	DIETES IRIDIOIDES	FORTNIGHT LILY	5 GAL	14	24"	3 FT.	L
	FES CAL	FESTUCA CALIFORNICA	CALIFORNIA FESCUE	1 GAL	13	18"	3 FT.	L
	FES MAI	FESTUCA MAIREI	ATLAS FESCUE	1 GAL	43	12"	2 FT.	L
	IRI DOU	IRIS DOUGLASIANA	DOUGLAS IRIS	5 GAL	29	15"	2.5 FT.	L
	JUN PAT	JUNCUS PATENS	CALIFORNIA GRAY RUSH	1 GAL	100	12"	2 FT.	L
	LAN NEW	LANTANA 'NEW GOLD'	NEW GOLD LANTANA	5 GAL	45	24"	4 FT.	VL
	LAV STO	LAVANDULA STOECHAS	SPANISH LAVENDER	5 GAL	58	18"	3 FT.	L
	LOM LON	LOMANDRA LONGIFOLIA BREEZE	DWARF MAT RUSH	5 GAL	59	18"	3 FT.	L
	MUH DUB	MUHLENBERGIA DUBIA	PINE MUHLY	1 GAL	45	24"	3 FT.	L
	PEN SPE	PENSTEMON SPECTABILIS	SHOWY PENSTEMON	5 GAL	32	18"	3 FT.	L
	SAL GRE	SALVIA GREGGII	AUTUMN SAGE	5 GAL	36	18"	3 FT.	L
	SIS BEL	SISYRINCHIUM BELLUM	BLUE EYE GRASS	1 GAL	24	12"	2 FT.	L
VINES								
	HAR VIO	HARDENBERGIA VIOLACEA	LILAC VINE	5 GAL	11			L
	LON JAP	LONICERA JAPONICA	JAPANESE HONEYSUCKLE	5 GAL	10			L
	MULCH	10' DIA. AROUND THE ROOT ZONE OF EXISTING TREES						
	SOD	HYBRID BERMUDA TIFTUF OVERSEEDED REFER TO PLANTING INSTALLATION NOTES.	TIFTUF SOD WITH RYE OVERSEEDING	SF	8,588			M
	SOD	EXISTING TURF TO REMAIN						M

0 5' 10' 20' 40'

SCALE: 1" = 10'

NORTH

NOTE:
1. * SETBACK IS FROM ADJACENT HARDSCAPE.
2. PLANT QUANTITIES REFLECT ENTIRE PROJECT, REFER TO GENERAL PLANTING NOTES.
3. PROPOSED SOD SPECIES FROM THE LA COUNTY DEPARTMENT OF PARKS AND RECREATION PARK RECOMMENDATION.

SOIL TESTING LEGEND		
SYMBOL	DECRIPTION	NOTES
	SOIL TESTING LOCATION SITES FOR AGRONOMIC SOIL REPORT	LOCATION 1: P.A. CENTER IN MONTEITH PARK LOCATION 2: P.A. NEAR MONUMENT SIGN AT PARK REFER TO PLANS AND SPECIAL PROVISIONS

CALL 8-1-1 TOLL FREE 811 TWO WORKING DAYS BEFORE YOU DIG

DATE	MK	DESCRIPTION

REVISIONS

LICENSED LANDSCAPE ARCHITECT KHAK CHUNG NO. 5047 STATE OF CALIFORNIA
Signature
12/31/2022
Renewal Date
05/26/2022
Date
PROJECT LANDSCAPE ARCHITECT DATE

LOS ANGELES COUNTY PUBLIC WORKS

MONTEITH PARK AND VIEW PARK GREEN ALLEY STORMWATER IMPROVEMENTS

LANDSCAPE IMPROVEMENTS

PLANTING PLAN

PROJ ID NO. SWQ0000005

LS-3.02

CAPITAL PROJECT NO. CP-69813

SHEET 17 OF 18

PLAN LS

DATE: 8/3/2022

CADD FILE NAME: 3.00 PLANTING PLAN.dwg

PLOT DATE: 8/28/2022

TREE PROTECTION NOTES:

1. DURING THE COURSE OF CONSTRUCTION, THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING TREES FROM DAMAGE OR DEATH. PROTECTION SHALL BE GIVEN TO THE ROOTS, TRUNK, AND FOLIAGE OF ALL EXISTING TREES TO REMAIN.
2. THE EXTENT OF THE **TREE PROTECTION ZONE** SHALL BE ESTABLISHED AT A DISTANCE 15' FROM THE TRUNK OR 5' BEYOND THE CANOPY OF THE TREE DRIPLINE (WHICHEVER IS GREATER), AND SHALL BE VERIFIED IN THE FIELD BY THE ENGINEER PRIOR TO ANY SITE WORK.
3. THE AREA OF **CRITICAL ROOT ZONE** (**CRT**) SHALL COINCIDE WITH TREE PROTECTION ZONE: ROOT PRUNING WITHIN THE **CRT** SHALL BE IN COMPLIANCE WITH ANSI A300 GUIDELINES AND ARBORICULTURAL PRACTICE. WHERE TRENCHING IS WITHIN THE **CRT** IS UNAVOIDABLE, THE ENGINEER MAY REQUIRE TRENCHING ALTERNATIVES SUCH AS BORING BELOW THE TREE ROOTS.
4. ANY DAMAGE TO TREES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE AGENCY WILL DETERMINE THE REPLACEMENT VALUE.
5. FOR BIRD NESTING, REFER TO SECTION **EC** SPECIAL PROVISIONS.
6. DO NOT NAIL GRADE STAKES OR ANYTHING ELSE TO TREES.
7. NO EQUIPMENT IS TO BE OPERATED OR PARKED WITHIN A TREE PROTECTION ZONE.
8. NO MATERIALS OR TOOLS ARE TO BE STOCKPILED OR STORED WITHIN A TREE PROTECTION ZONE.
9. DO NOT STRIP TOPSOIL AROUND TREES. ANY VEGETATION TO BE REMOVED SHOULD BE REMOVED BY CUTTING AT GROUND LEVEL RATHER THAN PULLING OUT BY EQUIPMENT.
10. THE **ROOT FLARE ZONE** IS THE AREA ADJACENT TO WHERE THE TREES ROOTS JOIN THE TRUNK OF THE TREE. SHRUBS SHALL NOT BE PLANTED WITHIN THE ROOT FLARE ZONE.
11. CONTRACTOR SHALL INSTALL PROTECTIVE FENCING AT THE PERIMETER OF THE TREE PROTECTION ZONE.
12. PROTECTIVE FENCE SHALL BE MIN. 4' HIGH (5' MIN. FOR OAK TREES), STURDY AND VISIBLE. FABRIC FOR PROTECTIVE FENCING SHALL BE HIGH DENSITY POLYETHYLENE WITH 3.5" X 1.5" OPENINGS; COLOR: ORANGE (FOR OAK TREES FENCE FABRIC SHALL BE CHAINLINK). USE 2" X 6' STEEL POSTS INSTALLED AT 8' ON CENTER AROUND TREES THAT ARE INDICATED TO REMAIN.
13. PLACE WARNING SIGNS EVERY 50', (3) SIGNS AT EACH TREE MINIMUM, ALONG FENCE THAT READS:

KEEP OUT
TREE PROTECTION ZONE

TEXT OF SIGN SHALL BE CENTER JUSTIFIED AND IN LARGE LETTERS. SIGN SHALL BE 8.5" BY 11" HERMETICALLY SEALED (LAMINATED) BETWEEN (2) PIECES OF PLASTIC, EACH PIECE BEING A MINIMUM OF 20 MILS THICK.

14. MAINTAIN MINIMUM CLEARANCE OF SIX INCHES OUTSIDE DRIP LINE OF TREES EXCEPT FOR TREES WITHIN SIDEWALKS OF PUBLIC RIGHT-OF-WAY AND/OR WHEN WORK HAS TO BE PERFORMED WITHIN THE AREA OF TREE ROOT PROTECTION.
15. WITHIN SIDEWALKS, ERECT FENCES TO MAXIMIZE ROOT PROTECTION ZONES AS MUCH AS POSSIBLE. SEE PLAN VIEWS.
16. WHERE TRENCHING WITHIN THE AREA OF TREE ROOT PROTECTION IS UNAVOIDABLE, LOCATE PROTECTION FENCING BETWEEN WORK AREA AND TREE NO CLOSER THAN SIX INCHES AROUND THE ROOT FLARE ZONE. FENCE AREAS WITHIN DRIP LINE OF TREES ON ADJACENT PROPERTY THAT OVERHANG THE WORKSITE. FENCING SHALL NOT IMPEDE INTO TRAFFIC OR BLOCK PEDESTRIAN PATHWAY. FENCING SHALL BE CONSTRUCTED IN A MANNER THAT IS SAFE AND NOT BECOME A HAZARD TO THE PUBLIC.
17. IF FOOT, VEHICLE OR CONSTRUCTION MACHINERY TRAVEL WITHIN THE TREE PROTECTION ZONE, 6"- 12" WOOD MULCH OR A 3/4" PLYWOOD OVER 4" LAYER OF MULCH SHALL BE PLACED WITHIN THE TREE PROTECTION ZONE.
18. ROOT ZONE PROTECTION. THE ADJOINING SOIL SHOULD BE MAINTAINED AT THE SAME GRADE AS THE ROOT ZONE BEFORE AND AFTER CONSTRUCTION. NO SOIL SHALL BE IN CONTACT WITH THE TRUNK OF THE TREE ABOVE THE ROOT FLARE.
19. THE CONTRACTOR SHALL PROTECT THE TREE AND ROOT ZONE DURING CONSTRUCTION PER SPECIAL PROVISIONS AND BY CONFORMING TO THE FOLLOWING:

A) NO WORK SHALL BE DONE WITHIN THE DRIP LINE (OR ROOT PROTECTION ZONE (RPZ) PER TREE PROTECTION PLAN) OF THE TREE WITHOUT A CERTIFIED ARBORIST'S ASSESSMENT AND ENGINEER'S APPROVAL. IN THE CASE WHERE SCOPE OF WORK IS SHOWN WITHIN THE DRIP LINES, CONTRACTOR SHALL LAY OUT THE DESIGN AND GAIN APPROVAL FROM THE ENGINEER AND CERTIFIED ARBORIST PRIOR TO PROCEEDING WITH WORK. FIELD ADJUSTMENTS AND MODIFICATIONS TO THE DESIGN MAY BE NECESSARY IF THE MAIN STRUCTURAL ROOTS AND BUTTRESS ROOTS ARE PRESENT DURING CLEARING AND GRUBBING OR ANY EARTHWORK.

B) THE MAIN STRUCTURAL INTEGRITY OF THE ROOTS SHALL NOT BE COMPROMISED. THE CUTTING OF THE BUTTRESS ROOTS SHALL BE AVOIDED. A CERTIFIED ARBORIST ASSESSMENT IS REQUIRED IN THE EVENT THAT BUTTRESS ROOTS ARE ACCIDENTALLY CUT OR SEVERED. THE ENGINEER'S APPROVAL IS REQUIRED BEFORE PROCEEDING.

C) WHERE LOWERING OR RAISING OF THE GRADE IS UNAVOIDABLE, A CERTIFIED ARBORIST'S ASSESSMENT AND THE ENGINEER'S APPROVAL WILL BE REQUIRED PRIOR TO THE START OF ANY GRADE ADJUSTMENTS.

D) WITH THE PRESENCE OF A CERTIFIED ARBORIST AND/OR THE LANDSCAPE ARCHITECT, A MAXIMUM OF 25 PERCENT OF THE OVERALL ROOT ZONE MAY BE CLEAN CUT WITH A SHARP TOOL AT RIGHT ANGLES TO THE ROOTS.

E) ROOTS GREATER THAN 1-1/2 INCHES IN DIAMETER SHALL NOT BE CUT WITHOUT A CERTIFIED ARBORIST'S ASSESSMENT OR REPORT OF TREE CONDITIONS INCLUDING THE PROBABILITY OF SURVIVAL, AND THE ENGINEER'S APPROVAL.

F) NO TRENCHING OF ROOTS WILL BE ALLOWED IN THE ROOT ZONE WITHOUT THE ENGINEER'S REVIEW AND APPROVAL. PROPOSED PIPES OR CABLES LOCATED WITHIN THE DRIPLINE MAY BE BORED OR TUNNELED PER FIELD CONDITIONS AND AS DIRECTED BY THE CERTIFIED ARBORIST AND APPROVAL BY THE ENGINEER. TRENCHES SHALL BE RADIAL TO THE TRUNK AND THE SAME TRENCH SHALL BE USED FOR MULTIPLE UTILITIES UNLESS OTHERWISE APPROVED BY THE ENGINEER.

G) WORK SHALL BE ACCOMPLISHED WITH HAND TOOLS WITHIN THE ROOT ZONE. HEAVY EQUIPMENT SHALL NOT PASS OVER THE ROOT ZONE.

H) ROOT PRUNING SHALL CONFORM WITH THE SPPWC STANDARD PLAN 523 AND THE SPECIAL PROVISIONS:

i) ROOT PRUNING AND TREE TRIMMING SHALL BE PERFORMED BY ISA CERTIFIED ARBORISTS.

ii) ROOT PRUNING EQUIPMENT SHALL BE SPECIFICALLY DESIGNED FOR THIS PURPOSE, SHARPENED ADEQUATELY TO SEVER ROOTS IN A CLEAN MANNER, AND EQUIPPED WITH PADDED TRACKS OR RUBBER TIRES TO PREVENT SCRAPING OR MARKING OF THE ROADWAY OR CURBS.

iii) ROOT SEALER SHALL BE APPLIED AS SOON AS PRACTICAL AFTER THE CUTS HAVE BEEN MADE. ROOT SEALER SHALL BE APPLIED TO CUT ROOT AREAS WHICH ARE LARGER THAN 2 INCHES IN DIAMETER AND AS DIRECTED BY THE CERTIFIED ARBORIST AND APPROVED BY THE ENGINEER.

I) THE CONTRACTOR SHALL REPAIR OR REPLACE UTILITY SERVICE CONNECTIONS AND SPRINKLER SYSTEMS WITHIN THE RIGHT-OF-WAY WHICH ARE DAMAGED OR REMOVED AS A RESULT OF ROOT PRUNING OPERATIONS. REPAIRS SHALL BE INITIATED IMMEDIATELY UPON THE OCCURRENCE OF DAMAGE OR REMOVAL AND COMPLETED BY THE END OF EACH WORKING DAY. REPAIRS AND REPLACEMENTS SHALL BE THE EQUIVALENT OF, OR BETTER THAN, THE EXISTING IMPROVEMENTS IN MATERIAL, DIMENSION, AND FUNCTION. REPAIR AND REPLACEMENT SHALL BE AT THE CONTRACTOR'S EXPENSE AND TO THE SATISFACTION OF THE ENGINEER.

J) CHAIN LINK FENCING WITH AN ACCESS GATE SHALL BE FURNISHED AND INSTALLED TO PROTECT THE ROOT ZONE, SUBJECT TO ENGINEER'S REVIEW OF SITE CONDITIONS. THE LOCATION OF THE FENCING SHALL BE APPROVED BY THE ENGINEER. CLIPPINGS FROM PRUNING MOUNDED UP TO 3 FEET HIGH MAY BE USED TO PROTECT THE ROOT ZONE BUT MUST STILL EFFECTIVELY IRRIGATE THE ROOT ZONE. CLIPPINGS SHALL BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

K) THE ROOT ZONE SHALL BE IRRIGATED WITH CLEAN POTABLE WATER.

L) EXPOSED AND BRIDGING TREE ROOTS SHALL BE WRAPPED WITH 3 LAYERS OF BURLAP AND KEPT MOIST. TRENCHES WITHIN DRIPLINES SHALL BE CLOSED WITHIN 24 HOURS OF OPENING.

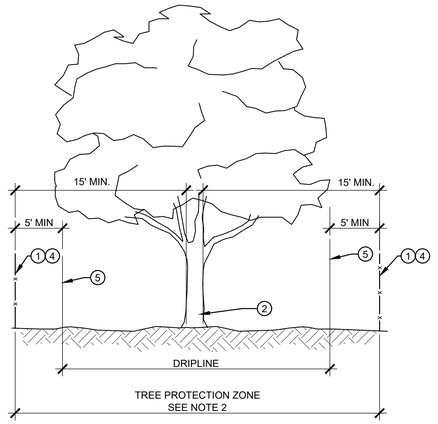
M) WORK SHALL BE ACCOMPLISHED WITH HAND TOOLS WITHIN THE ROOT ZONE. HEAVY EQUIPMENT SHALL NOT PASS OVER THE ROOT ZONE.

N) NO CONSTRUCTION STAGING, STORAGE AND DISPOSING OF MATERIALS WILL BE ALLOWED WITHIN THE ROOT ZONE.

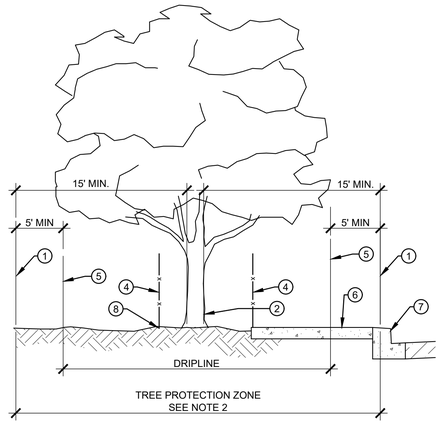
O) LIGHT PRUNING IN THE PRESENCE OF THE AGENCY'S LANDSCAPE ARCHITECT OR A CERTIFIED ARBORIST MAY BE PERFORMED TO AVOID DAMAGE TO BRANCHES FROM CONSTRUCTION VEHICLES OR CRANES.

LEGEND:

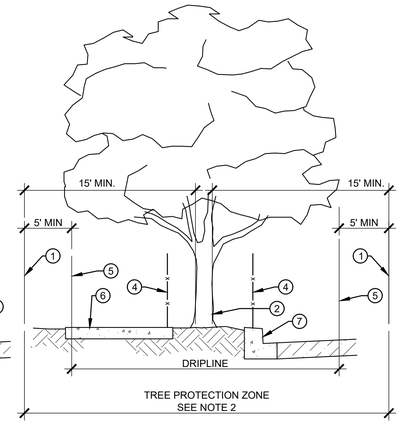
1. TREE PROTECTION ZONE/ CRITICAL ROOT ZONE. SEE NOTES 2 & 3.
2. TREE TRUNK.
3. ROOT FLARE ZONE. SEE NOTE 10.
4. PROTECTIVE FENCE. SEE NOTE 12.
5. TREE CANOPY/DRIP LINE.
6. EXISTING SIDEWALK.
7. EXISTING CURB.
8. R.O.W. OR EXISTING FENCE/WALL.



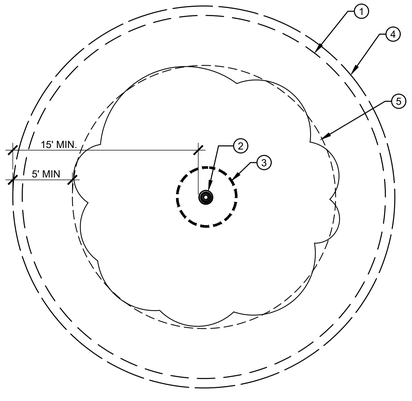
TREE IN OPEN AREA CONDITION - ELEVATION



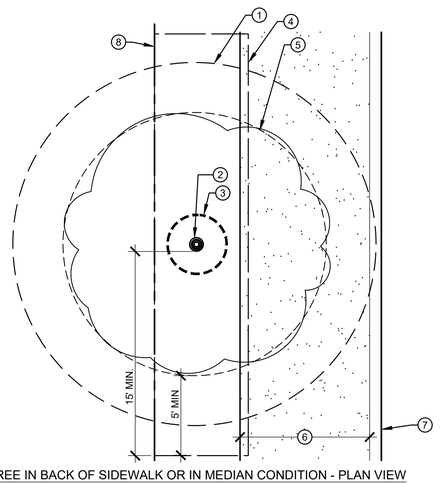
TREE IN BACK OF SIDEWALK OR IN MEDIAN CONDITION - ELEVATION



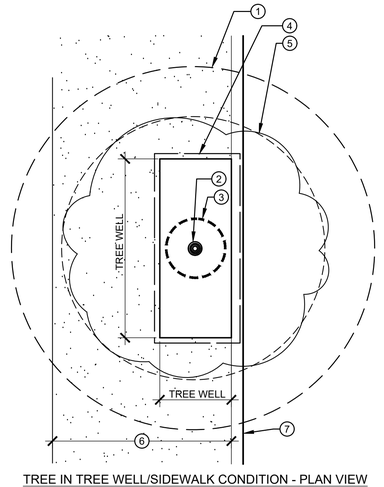
TREE IN TREE WELL/SIDEWALK CONDITION - ELEVATION



TREE IN OPEN AREA CONDITION - PLAN VIEW



TREE IN BACK OF SIDEWALK OR IN MEDIAN CONDITION - PLAN VIEW



TREE IN TREE WELL/SIDEWALK CONDITION - PLAN VIEW

CALL 8-1-1 TOLL FREE
811
TWO WORKING DAYS BEFORE YOU DIG

DATE	MK	DESCRIPTION

REVISIONS

LICENSED LANDSCAPE ARCHITECT
KWAI K. CHUNG NO. 5047
Signature
12/31/2022
Renewal Date
05/26/2022
Date
STATE OF CALIFORNIA
PROJECT LANDSCAPE ARCHITECT DATE

LOS ANGELES COUNTY PUBLIC WORKS

MONTEITH PARK AND VIEW PARK GREEN ALLEY STORMWATER IMPROVEMENTS

LANDSCAPE IMPROVEMENTS

TREE PROTECTION PLAN

PROJ ID NO. SWQ0000005

LS-3.03

CAPITAL PROJECT NO. CP-69813 | SHEET 18 OF 18

PLAN LS

DATE: 8/3/2022

CADD FILE NAME: 3.00 PLANTING PLAN.dwg

PLOT DATE: 9/28/2022

APPLICABLE CODES AND STANDARDS:

ALL CONSTRUCTION SHALL COMPLY WITH LATEST APPROVED CODES. LISTED BELOW AND ALL APPLICABLE CODES, STATUTES, REGULATIONS, ORDINANCES, ETC. CURRENTLY IN FORCE AND THROUGHOUT THE DURATION OF THE PROJECT, INCLUDING, BUT NOT LIMITED TO THE FOLLOWING:

2020 LOS ANGELES COUNTY ELECTRICAL CODE BASED ON THE 2019 CEC (CALIFORNIA ELECTRICAL CODE) AND 2017 NEC (NATIONAL ELECTRICAL CODE).

SPPWC (STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION), 2012 EDITION

UTILITY SYMBOLS

E E	SOUTHERN CALIFORNIA EDISON
GAS GAS	THE GAS COMPANY
PET PET	PETROLEUM PRODUCTS
TEL TEL	TELECOMMUNICATIONS
TV TV	CABLE TV
W W	POTABLE WATER
SS SS	LOS ANGELES COUNTY SEWER MAINTENACE DIVISION
SD SD	STORM WATER

ABBREVIATIONS LIST (NOT INCLUDED WITHIN SPPWC OR SSPWC):

AFF	ABOVE FINISH FLOOR
AFG	ABOVE FINISH GRADE
AWG	AMERICAN WIRE GAUGE
A	AMPERE
AIC	AMPERE INTERRUPTING CAPACITY (SYMMETRICAL)
AF	AMPERE FRAME
AT	AMPERE TRIP
B.C.	BARE COPPER
B.G.	BELOW GRADE
BKR	BREAKER
CCTV	CLOSED-CIRCUIT TELEVISION
CKT	CIRCUIT
CB	CIRCUIT BREAKER
C	CONDUIT
CLG	CEILING
CO	CONDUIT ONLY
COAX	COAXIAL
C.W.P.	COLD WATER PIPE
D	DEEP, DEPTH
DIST. BD.	DISTRIBUTION BOARD
DIA	DIAMETER
DS	DUCT SMOKE DETECTOR
EA	EACH
E.G.	EQUIPMENT GROUND
EMO	ELECTRIC MOTOR OPERATOR
EMT	ELECTRICAL METALLIC TUBING
EQUIP	EQUIPMENT
(E)	EXISTING
FACP	FIRE ALARM CONTROL PANEL
FLA	FULL LOAD AMPS
FT	FEET
G	GROUND
GA	GAUGE
G.D.	GARBAGE DISPOSAL
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GFI	GROUND FAULT INTERRUPTER
GND	GROUND
H	HIGH, HEIGHT
HP	HORSE POWER
HH	HAND HOLE
HMI	HUMAN MACHINE INTERFACE
I.G.	ISOLATED GROUND
I/O	INPUT/OUTPUT
I.C.B.O.	INTERNATIONAL CONFERENCE OF BUILDING OFFICIALS
JB	JUNCTION BOX
KVA	KILO-VOLT AMPERES
KW	KILO-WATT
KWH	KILO-WATT-HOUR
LACPWD	LOS ANGELES COUNTY PUBLIC WORKS
LADWP	LOS ANGELES DEPT OF WATER & POWER
LB	POUND
LCL	LONG CONTINUOUS LOAD
LCP	LIGHTING CONTROL PANEL
L	LENGTH
LB	POUND
LTG	LIGHTING
MCR	MAIN COMPUTER ROOM
MCB	MAIN CIRCUIT BREAKER
MCP	MOTOR CIRCUIT PROTECTOR
MH	MANHOLE
MLO	MAIN LUGS ONLY
MT	MOUNT
MTD	MOUNTED
(N)	NEW
N.I.C.	NOT IN CONTRACT
ø	PHASE OR DIAMETER
P	POLE
PA	PUBLIC ADDRESS
PLC	PROGRAM LOGIC CONTROLLER
PNL	PANEL
PVC	POLYVINYL CHLORIDE
PW HQ	PUBLIC WORKS HEADQUARTERS
RGS	RIGID GALVANIZED STEEL
S.C.E.	SOUTHERN CALIFORNIA EDISON
SCHD	SCHEDULE
SHT	SHEET
S/L	STREET LIGHT
S.S.	STAINLESS STEEL
SWBD	SWITCHBOARD
SWGR	SWITCHGEAR
TYP	TYPICAL
U.G.	UNDERGROUND
U.N.O.	UNLESS NOTED OTHERWISE
UPS	UNINTERRUPTIBLE POWER SUPPLY
V	VOLTS
VA	VOLT AMPERES
VD	VOLTAGE DROP
VDC	VOLTAGE DIRECT CURRENT
WP	WEATHERPROOF
W	WIRE, WIDE, WIDTH
XFR	TRANSFER
XFMR	TRANSFORMER
Ø	DIAMETER

GENERAL NOTES:

A. NEW ELECTRICAL SERVICE(S) WILL BE APPLIED AND PAID FOR BY THE AGENCY PRIOR TO THE STARTING OF THE PROJECT. CONTRACTOR SHALL COORDINATE ALL ELECTRICAL INSTALLATION & CONNECTION WORK WITH SOUTHERN CALIFORNIA EDISON (S.C.E.) SERVICE PLANNER. FIELD VERIFY LOCATION(S) OF THE NEW ELECTRICAL METER SERVICE PEDESTAL(S). OBTAIN CONSTRUCTION MAP AND ELECTRICAL INSTALLATION REQUIREMENTS FROM S.C.E. SERVICE PLANNER PRIOR TO STARTING OF ANY ELECTRICAL WORK. NOTIFY S.C.E. FOR INSPECTION AND APPROVAL 48 HRS. IN ADVANCE. SEE SSPWC SPECIFICATION SECTION 701-14 "SERVICES".

S.C.E SERVICE PLANNER POINT OF CONTACT:

ERVIN PEREZ
ervin.perez@sce.com
OFFICE: (310) 783-9315

B. WORK UNDER THIS CONTRACT SHALL INCLUDE, BUT NOT TO BE LIMITED TO, FURNISHING, INSTALLING AND CONNECTION OF ALL ELECTRICAL EQUIPMENT AND TESTING OF ALL SYSTEMS AND SUB-SYSTEMS WITHIN THE SCOPE OF WORK. BEFORE ACCEPTANCE OF THE WORK, THE CONTRACTOR SHALL DEMONSTRATE, IN THE PRESENCE OF THE ENGINEER, THAT ALL PORTIONS OF THE ELECTRICAL WORK ARE OPERATING PROPERLY PER MANUFACTURER'S SPECIFICATION.

C. COORDINATE ALL WORK WITH CIVIL, MECHANICAL AND LANDSCAPING PLANS.

D. ALL ITEMS ARE NEW.

E. CONDUCTORS: ALL SHALL BE COPPER, RATED 600V, INSULATION TYPE XHHW OR THWN-2, 90°.

F. CONDUITS: EXPOSED OUTDOOR CONDUITS SHALL BE RIGID GALVANIZED STEEL (RGS), EXTERIOR UNDERGROUND CONDUITS SHALL PVC SCHD 80 (STRAIGHT RUNS), PVC SCHD 80 (SWEEPS), AND RGS WITH DOUBLE-WRAP 20 MIL MINIMUM THICKNESS CORROSION TAPE WRAP (STUB-UP). SEE ELECTRICAL SITE PLAN FOR CONDUIT SIZE. ALL CONDUIT RUNS SHALL HAVE A GREEN INSULATED EQUIPMENT GROUNDING CONDUCTOR SIZED PER NEC.

G. ALL ELECTRICAL WORK SHALL BE PERFORMED BY ELECTRICIANS THAT HOLD A VALID C-10 CALIFORNIA STATE LICENSE.

H. ALL ELECTRICAL EQUIPMENT SHALL BE LABELED, LISTED, OR CERTIFIED BY A NATIONALLY RECOGNIZED TESTING LABORATORY ACCREDITED BY THE UNITED STATES OCCUPATIONAL SAFETY HEALTH ADMINISTRATION.

ELECTRICAL SYMBOLS LIST:

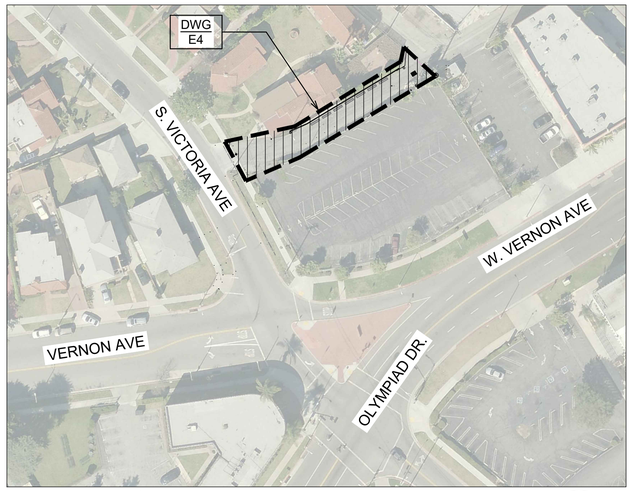
- E — ELECTRICAL SERVICE PEDESTAL ON CONCRETE FOOTING.
- ---------- UNDERGROUND CONDUIT
- CALL OUT NOTE
- TRAFFIC RATED PULL BOX WITH BOLT DOWN COVER. SIZE AS INDICTED ON PLANS.
- E——— CAPPED CONDUIT
- (A)3 LIGHT FIXTURE TYPE "A"
- (5) MOTOR, 480V-3ø, HP RATING AS INDICATED
- 30/20 F — FUSED DISCONNECT SWITCH 240V-2P, HEAVY DUTY. 30-AMPERE FRAME, 20-AMPERE TRIP.
- CONDUIT TURNED DOWN
- CONDUIT TURNED UP
- P1 — CONDUIT REFERENCE:

  P = POWER
  C = CONTROL
  S = SIGNAL
  T = TELEPHONE
  F = FIBER OPTIC
  SP= SPARE

- ANTENNA (POLE MOUNTED)
- ANTENNA (CABINET MOUNTED)
- IRRIGATION CONTROLLER PEDESTAL
- PEDESTRIAN LED LIGHT POLE
- COBRA HEAD STYLE LED LIGHT POLE
- MONUMENT SIGN LED UPLIGHT
- TREE ACCENT LED FLOOD LIGHT

SHEET INDEX

MONTIETH PARK



VIEW PARK GREEN ALLEY

KEY MAP
NO SCALE

NORTH

DRAFTER	DESIGNER	CHECKER	CAD PROJECT FILE NAME	REVIEWED BY	REVIEWED DATE
ADM	ADM		-		

DATE	MK	DESCRIPTION

REVISIONS

PROFESSIONAL ENGINEER — ALBERTO R. DE LA MERCED — E15357 — Exp. date: 06-30-23 — ELECTRICAL — STATE OF CALIFORNIA

ALBERTO DE LA MERCED — PROJECT ENGINEER — 10/4/22 — DATE

LOS ANGELES COUNTY PUBLIC WORKS

MONTEITH PARK AND VIEW PARK GREEN ALLEY STORMWATER IMPROVEMENTS

GENERAL NOTES, SYMBOLS, SHEET INDEX, KEY PLAN

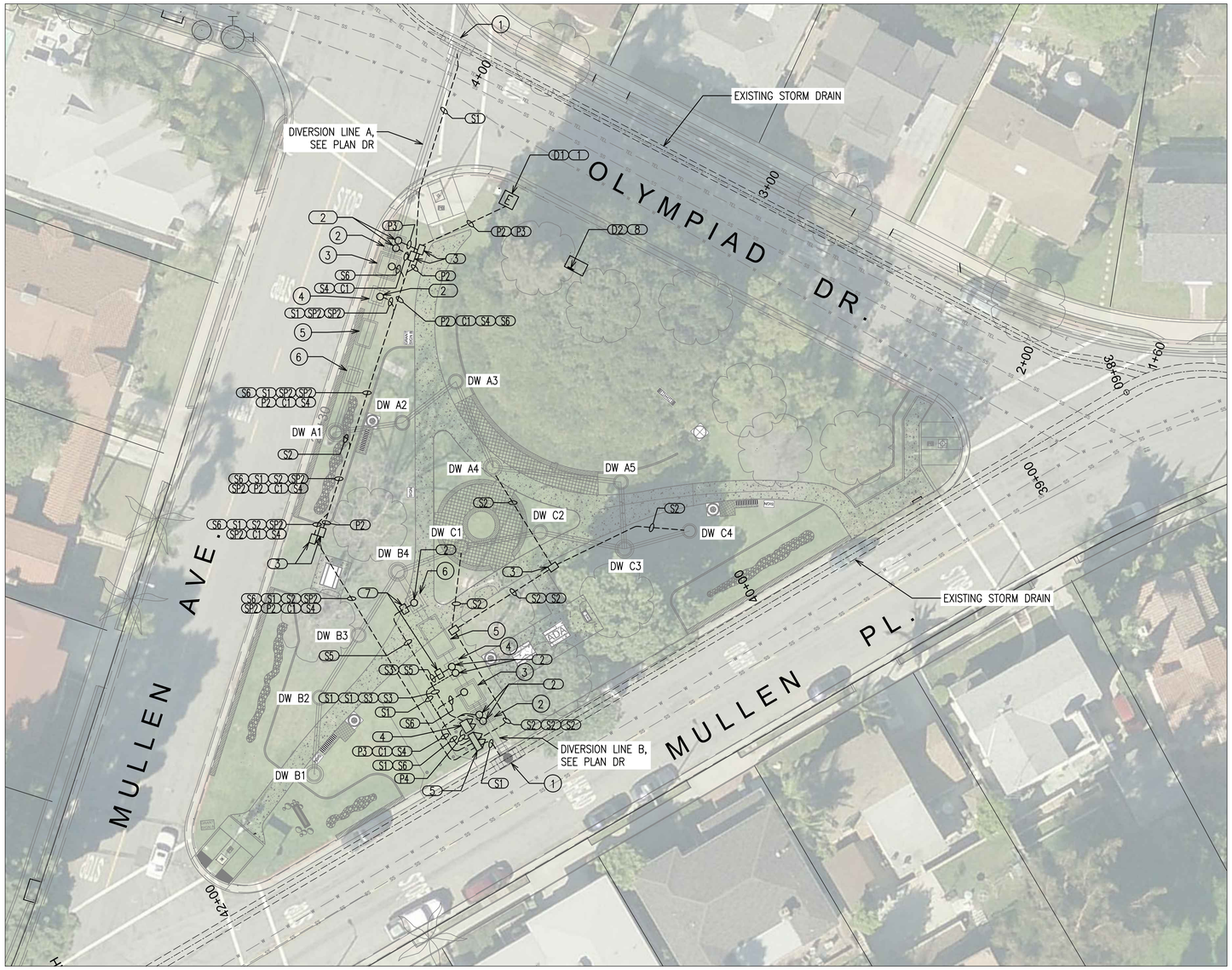
PROJECT ID NO. SWQ0000005

E1

CAPITAL PROJECT NO. CP-69813

SHEET 1 OF 11

PLAN EE



SITE PLAN

0 20 40

SCALE: 1"=20'-0"

NORTH

DEMOLITION NOTES:

(D1) REMOVE EXISTING ELECTRICAL SERVICE PEDESTAL AND CONCRETE FOOTING, AND REPLACE WITH NEW AT SAME LOCATION, SEE CONSTRUCTION NOTE 1.

(D2) REMOVE EXISTING SURFACE MOUNTED SQAURE D "QO" 100A–120/240V–1Ø–3W SUB–PANEL BOARD INSIDE CONCRETE SHED. CAREFULLY DISCONNECT ALL CONNECTED BRANCH CIRCUIT CONDUIT AND WIRES BACK TO MAKE ROOM FOR A NEW SUB–PANEL BOARD.

CONSTRUCTION NOTES:

(1) 200A–120/240VAC–1Ø–3W SERVICE PEDESTAL ON NEW RE–INFORCED CONCRETE FOOTING. EXISTING BRANCH CIRCUIT CONDUITS & CONDUCTORS TO REMAIN AND TERMINATE ON TO NEW CIRCUIT BREAKERS.

(2) 12"X12"X6" NEMA 4X STAINLESS STEEL WEATHERPROOF ELECTRICAL PULL BOX, 24" BELOW GRADE.

(3) 17"x30"x24" PULL BOX, SEE DETAIL ON DWG. NO. E10.

(4) MONITORING EQUIPMENT CABINET, SEE DETAIL ON DWG. NO. E11.

(5) ELECTRICAL EQUIPMENT CABINET, SEE DETAIL ON DWG. NO. E11.

(6) LOCATION OF EXISTING CONCRETE LIGHT POLE. PROVIDE NEW REINFORCED CONCRETE FOOTING AND (4) ANCHOR BOLTS WITH LEVELING NUTS AND WASHERS. SEE PLAN CIVIL FOR FOOTING DETAIL. INTERCEPT LIGHT CIRCUIT INSIDE EXISTING CONCRETE PULL BOX AND EXTEND NEW CONDUIT AND WIRES TO NEW LOCATION. MATCH EXISTING CONDUIT AND WIRES SIZES.

(7) 17"X10"X12" PULL BOX, SEE DETAIL ON DWG. NO. E10

(8) SURFACE MOUNT 100A–120/240V–1Ø–3W–22kAIC NEMA 3R SUB–PANEL BOARD, COPPER BUS, 12 MINIMUM SPACES, TEN (10) 20A–1P CIRCUIT BREAKERS. CONNECT EXISTING BRANCH CIRCUIT CONDUITS AND WIRES TO NEW CIRCUIT BREAKERS.

DRY WELL TABLE	
DRY WELL	REMARKS
DW A1	SEE PLAN DR
DW A2	SEE PLAN DR
DW A3	SEE PLAN DR
DW A4	SEE PLAN DR
DW A5	SEE PLAN DR
DW B1	SEE PLAN DR
DW B2	SEE PLAN DR
DW B3	SEE PLAN DR
DW B4	SEE PLAN DR
DW C1	SEE PLAN DR
DW C2	SEE PLAN DR
DW C3	SEE PLAN DR
DW C4	SEE PLAN DR

STRUCTURE TABLE		
(#)	DESCRIPTION	REMARKS
(1)	DIVERSION STRUCTURE	SEE PLAN DR AND PLAN ME
(2)	ACTUATOR (EMO) VAULT	SEE PLAN DR AND PLAN ME
(3)	SLIDE GATE MANHOLE	SEE PLAN DR AND PLAN ME
(4)	INFLUENT MANHOLE	SEE PLAN DR AND PLAN ME
(5)	PRE–TREATMENT VAULT	SEE PLAN DR
(6)	EFFLUENT MANHOLE	SEE PLAN DR AND PLAN ME

DRAFTER ADM | DESIGNER ADM | CHECKER | CAD PROJECT FILE NAME - | REVIEWED BY | DATE

DATE	MK	DESCRIPTION

REVISIONS

PROFESSIONAL ENGINEER — ALBERTO R. DE LA MERCED — E15357 — Exp. date: 06-30-23 — ELECTRICAL — STATE OF CALIFORNIA

ALBERTO DE LA MERCED — PROJECT ENGINEER — 10/4/22 DATE

LOS ANGELES COUNTY PUBLIC WORKS

MONTEITH PARK AND VIEW PARK GREEN ALLEY STORMWATER IMPROVEMENTS

MONTEITH PARK SITE POWER PLAN

PROJECT ID NO. SWQ0000005 — E2

CAPITAL PROJECT NO. CP-69813 — SHEET 2 OF 11

PLAN EE

SITE PLAN

0 20 40

SCALE: 1"=20'-0"

NORTH

DEMOLITION NOTES:

(D1) REMOVE EXISTING 30' HIGH CONCRETE LIGHT POLE, POLE MOUNTED MAST ARMS, AND TWO (2) COBRA HEAD LED LIGHT FIXTURES. PULL EXISTING U.G. CONDUIT AND CONDUCTORS BACK TO ADJACENT CONCRETE PULL BOX. CAP AND COIL UP EXISTING WIRES INSIDE PULL BOX. EXISTING UNDERGROUND LIGHTING CIRCUIT TO BE RE-USED. REMOVE EXISTING CONCRETE FOOTING. SALVAGE THE TWO LED LIGHT FIXTURES AND MAST ARMS. BUBBLE WRAP AND BOX AND DELIVER TO DEPARTMENT OF PARKS AND RECREATION MAINTENANCE YARD. COORDINATE AND SCHEDULE DELIVERY WITH PROJECT MANAGER.

(D2) REMOVE EXISTING 15' HIGH FIBERGLASS ROUND LIGHT POLE AND POLE MOUNTED LED LIGHT FIXTURE. PULL EXISTING U.G. CONDUIT AND CONDUCTORS BACK TO ADJACENT CONCRETE PULL BOX. CAP AND COIL UP EXISTING WIRES INSIDE PULL BOX. EXISTING UNDERGROUND LIGHTING CIRCUIT TO BE RE-USED. REMOVE EXISTING CONCRETE FOOTING.

(D3) REMOVE FLOOD LIGHT ON TOP OF CONCRETE SHED. PULL CONDUIT AND WIRES BACK TO SOURCE PANEL BOARD.

(D4) REMOVE EXISTING 15' HIGH FIBERGLASS ROUND LIGHT POLE AND POLE MOUNTED LED LIGHT FIXTURE. FIELD VERIFY AND INTERCEPT EXISTING U.G. CONDUIT AND CONDUCTORS WITH A NEW 17"X10"X12" CONCRETE PULL BOX, SEE DETAIL ON DWG. NO. E10. CAP AND COIL UP EXISTING WIRESS INSIDE PULL BOX. EXISTING UNDERGROUND LIGHTING CIRCUIT TO BE RE-USED. REMOVE EXISTING CONCRETE FOOTING.

(D5) REMOVE EXISTING CONCRETE LIGHT CIRCUIT PULL BOX. PULL U.G. CONDUIT AND CONDUCTORS BACK TO NEW CONCRETE PULL BOX. CAP AND COIL UP EXISTING WIRES INSIDE NEW PULL BOX. EXISTING UNDERGROUND LIGHTING CIRCUIT TO BE RE-USED.

CONSTRUCTION NOTES:

(1) INTERCEPT EXISTING LIGHT CIRCUIT INSIDE EXISTING CONCRETE PULL BOX AND EXTEND NEW CONDUIT AND WIRES TO NEW LIGHT POLE. MATCH EXISTING CONDUIT AND WIRES SIZES.

(2) FIELD VERIFY AND INTERCEPT EXISTING UNDERGROUND LIGHT CIRCUIT CONDUIT AND WIRES WITH A NEW 17"X10"X12" CONCRETE PULL BOX, SEE DETAIL ON DWG. NO. E10. INTERCEPT LIGHT CIRCUIT INSIDE EXISTING CONCRETE PULL BOX AND EXTEND NEW CONDUIT AND WIRES TO NEW LIGHT POLE. MATCH EXISTING CONDUIT AND WIRES SIZES.

(3) SEE DETAIL No.5 ON DWG E11.

(4) FIELD VERIFY AND INTERCEPT EXISTING UNDERGROUND LIGHT CIRCUIT CONDUIT AND WIRES WITH A NEW 17"X10"X12" CONCRETE PULL BOX, SEE DETAIL ON DWG. NO. E10. INTERCEPT LIGHT CIRCUIT INSIDE EXISTING CONCRETE PULL BOX AND EXTEND NEW CONDUIT AND WIRES TO EXISTING CONCRETE LIGHT POLE. MATCH EXISTING CONDUIT AND WIRES SIZES.

(5) UTILIZE EXISTING PROGRAMMABLE TIME CLOCK AND LUMINAIRE INTEGRAL PHOTOCELL. BRANCH CIRCUIT SHALL BE (P6) AS SHOWN ON PLAN E10 "CONDUIT SCHEDULE".

LUMINAIRE SCHEDULE

SYMBOL	TYPE	DESCRIPTION	INPUT WATTS	LUMENS	COLOR	LAMP TYPE	MOUNTING
☼	(A)	25" DIA. x 40" POST TOP 72-LED LUMINAIRE ON TOP OF 13'-4" HIGH 4" DIA. TAPERED SMOOTH COMPOSITE ROUND POLE, FLUTED BASE, ANCHOR BASE, 0.75" x 30" ANCHOR BOLTS, 120/277V, DARK BRONZE, TYPE 3 DISTRIBUTION CLEAR SAG LENS	160.1	16,690	5000 K	72 LEDS	LUMINAIRE MTD ON A 13'-4" COMPOSITE POLE
☼	(A1)	25" DIA. x 40" POST TOP 72-LED LUMINAIRE ON TOP OF 13'-4" HIGH 4" DIA. TAPERED SMOOTH COMPOSITE ROUND POLE, FLUTED BASE, ANCHOR BASE, 0.75" x 30" ANCHOR BOLTS, 120/277V, DARK BRONZE, TYPE 5-WIDE DISTRIBUTION CLEAR SAG LENS	160.1	17,129	5000 K	72 LEDS	LUMINAIRE MTD ON A 13'-4" COMPOSITE POLE
☼	(B)	(EXISTING) LED COBRA HEAD LUMINAIRE ON 30' HIGH CONCRETE POLE TO REMAIN.	180	N/A	N/A	LED	MAST ARM CONCRETE POLE
⊕	(C)	13" DIAMETER INGRADE LED UPLIGHT LUMINAIRE, EYEBALL WALL WASH 120/277V, INTEGRAL BLUETOOTH MODULE PAIRED WITH REMOTE APP VIA CELLULAR, DIMMABLE, ADJUST OPTICS, IK09, IP68.	44	1895	5000 K	18 LEDS	EMBED IN CONCRETE WITH REBAR CAGE
▽	(D)	19.29" X 14.56' SQUARE LED TREE ACCENT LUMINAIRE, 120/277V, PHOTOCELL, TRUNNION MOUNT, ALUMINUM DIE-CAST HOUSING, TEMPERED GLASS LENS, VISOR, DARK BRONZE, IP66, UL1598, DLC LISTINGS	200	24703	4000 K	LED	MTD ON ROOFTOP OF 5' HIGH CONCRETE SHED
▭	(E)	23.62" X 1.10" GLARE-FREE 360° ROTATABLE LED TUBE, GLARE-FREE, PLASTIC TRANSLUCENT HOUSING, 120-240V, IP20,, VDE, CE LISTINGS	16	1,730 @ 360°	6500 K	LED	CLG. MT. INSIDE STAND-UP EQPT. CABINETS

DATE	MK	DESCRIPTION

REVISIONS

REGISTERED PROFESSIONAL ENGINEER ALBERTO R. DE LA MERCED E15357 Exp. date: 06-30-23 ELECTRICAL STATE OF CALIFORNIA

ALBERTO DE LA MERCED 10/4/22

PROJECT ENGINEER DATE

LOS ANGELES COUNTY PUBLIC WORKS

MONTEITH PARK AND VIEW PARK GREEN ALLEY STORMWATER IMPROVEMENTS

MONTEITH PARK SITE LIGHTING PLAN

PROJECT ID NO. SWQ0000005

E3

CAPITAL PROJECT NO. CP-69813

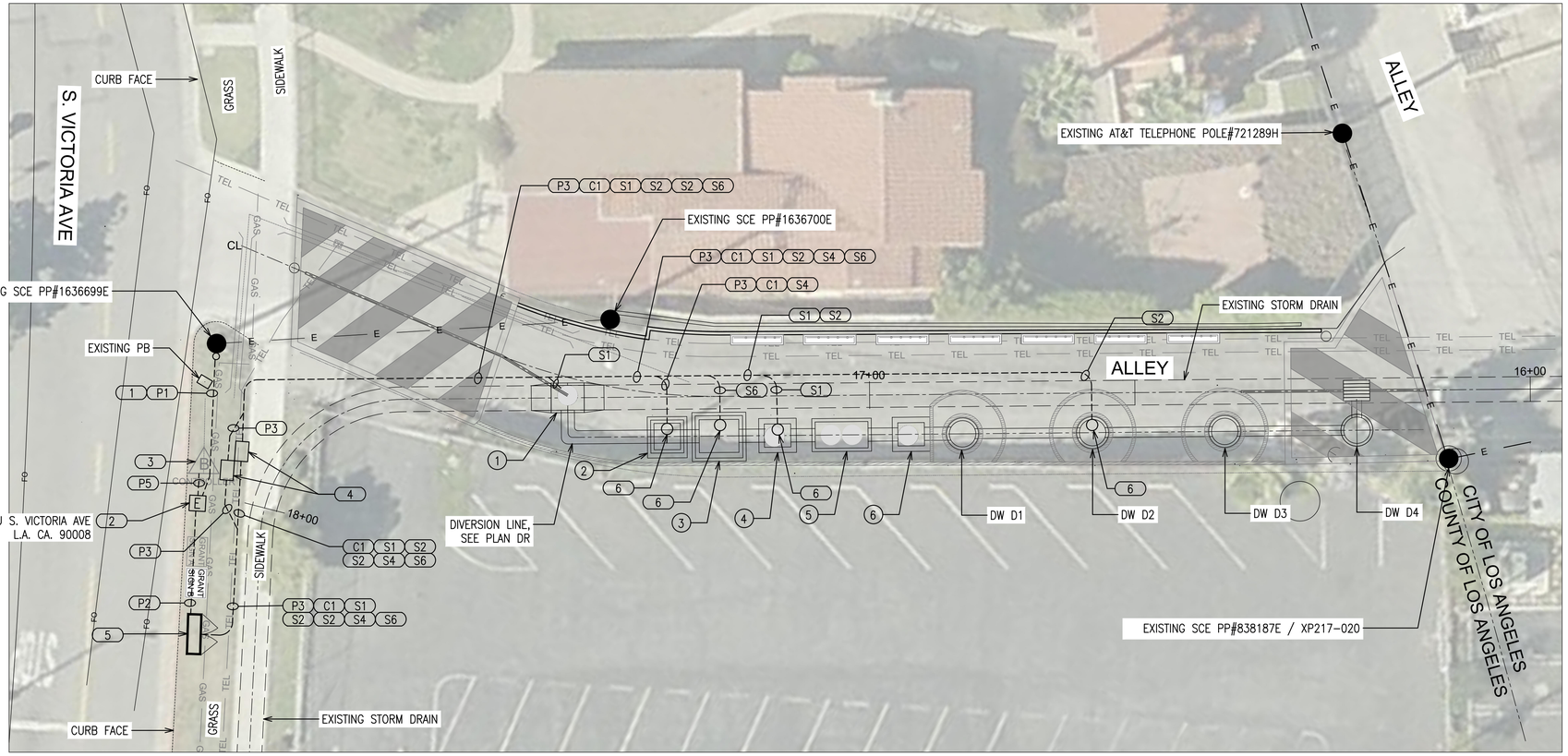
SHEET 3 OF 11

PLAN EE

DRAFTER ADM | DESIGNER ADM | CHECKER | CAD PROJECT FILE NAME - | REVIEWED BY | DATE

CONSTRUCTION NOTES:

1. ISERVICE FEEDER CONDUIT AND PULL ROPE PER UTILITY COMPANY INSTALLATION REQUIREMENTS.
2. ELECTRICAL SERVICE PEDESTAL, SEE DETAIL ON DWG. NO. E10.
3. IRRIGATION CONTROLLER, SEE PLAN LS.
4. 17"x30"x24" PULL BOX, SEE DETAIL ON DWG. NO. E10.
5. ELECTRICAL EQUIPMENT CABINET, SEE DETAIL ON DWG. NO. E11.
6. 12"X12"X6" NEMA 4X STAINLESS STEEL WEATHERPROOF ELECTRICAL PULL BOX, 24" BELOW GRADE.



DRY WELL TABLE	
DRY WELL	REMARKS
DW D1	SEE PLAN DR
DW D2	SEE PLAN DR
DW D3	SEE PLAN DR
DW D4	SEE PLAN DR

STRUCTURE TABLE		
(#)	DESCRIPTION	REMARKS
1	DIVERSION STRUCTURE	SEE PLAN DR AND PLAN ME
2	ACTUATOR (EMO) VAULT	SEE PLAN DR AND PLAN ME
3	SLIDE GATE MANHOLE	SEE PLAN DR AND PLAN ME
4	INFLUENT MANHOLE	SEE PLAN DR AND PLAN ME
5	PRE-TREATMENT VAULT	SEE PLAN DR
6	EFFLUENT MANHOLE	SEE PLAN DR AND PLAN ME

SITE PLAN

0 10 20

SCALE: 1"=10'-0"

NORTH

DRAFTER ADM | DESIGNER ADM | CHECKER | CAD PROJECT FILE NAME - | REVIEWED BY | DATE

DATE	MK	DESCRIPTION

REVISIONS

REGISTERED PROFESSIONAL ENGINEER ALBERTO R. DE LA MERCED E15357 Exp. date: 06-30-23 ELECTRICAL STATE OF CALIFORNIA

ALBERTO DE LA MERCED 10/4/22
PROJECT ENGINEER DATE

LOS ANGELES COUNTY PUBLIC WORKS

MONTEITH PARK AND VIEW PARK GREEN ALLEY STORMWATER IMPROVEMENTS

VIEW PARK GREEN ALLEY
SITE POWER PLAN

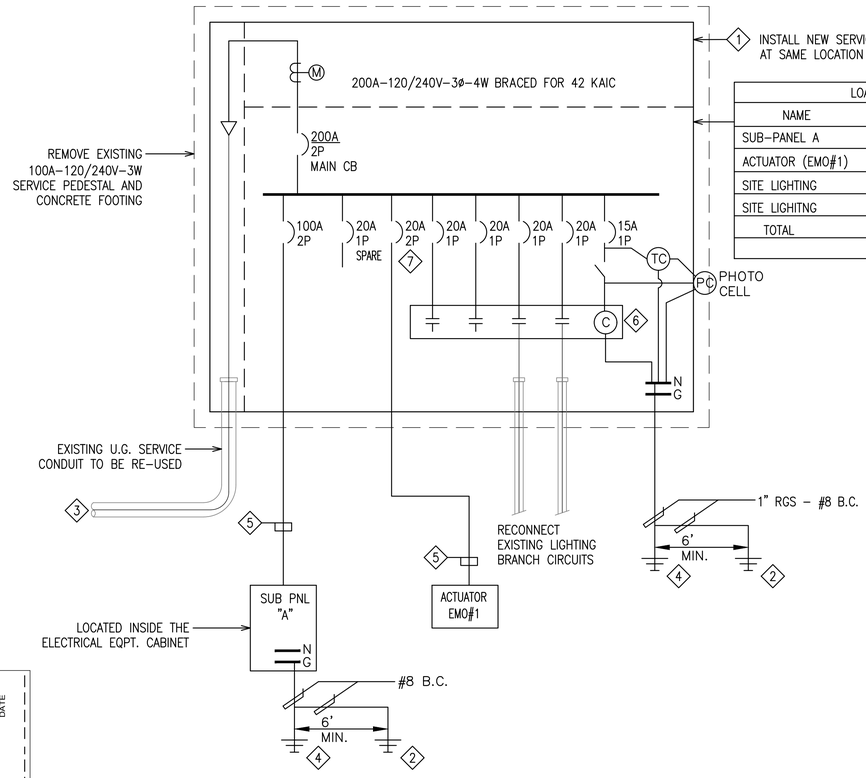
PROJECT ID NO. SWQ0000005

E4

CAPITAL PROJECT NO. CP-69813

SHEET 4 OF 11

PLAN EE



LOAD SCHEDULE			
NAME	VA	HP	FLA
SUB–PANEL A			20.1
ACTUATOR (EMO#1)	1330		5.6
SITE LIGHTING	1000		8.3
SITE LIGHITNG	1000		8.3
TOTAL			42.3

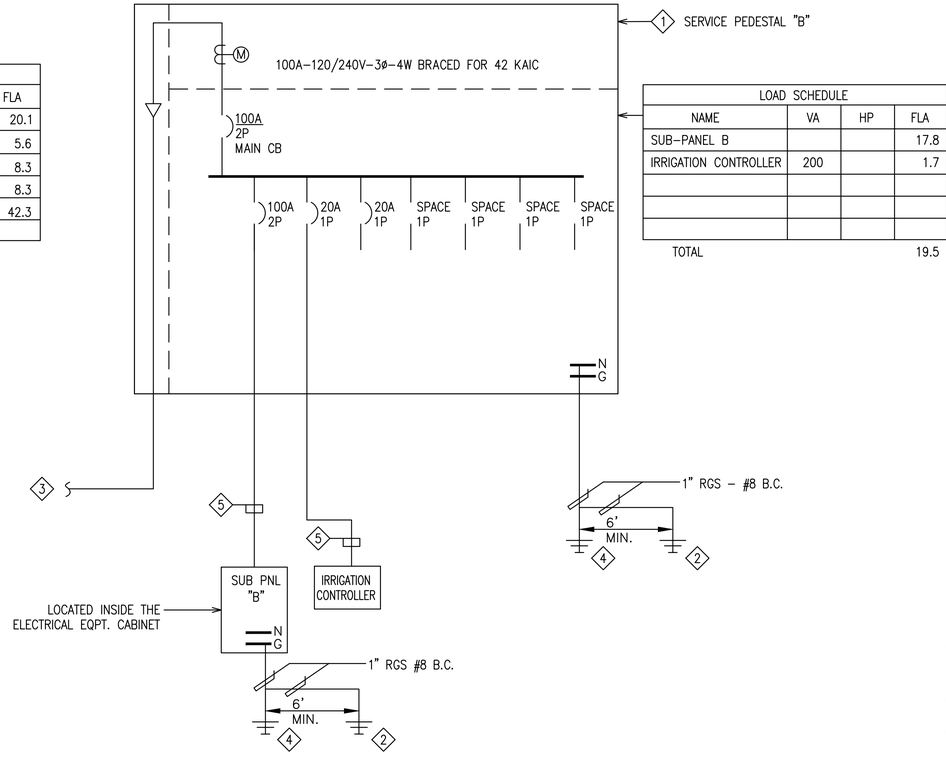
PANEL: SUB PNL "A" PANEL RATING: 200A-120/240V-1Ø-3W
ENCLOSURE: NEMA 4X MAINS: 200A-2P
MANUFACTURER: SQ'D, EATON, SIEMENS BUS/AIC: 200A/42 KAIC

CIRCUIT No.	CKT BKR TYPE	TRIP	POLE	LITE	RECPT	MISC	PHASES AØ VA	PHASES BØ VA	DESCRIPTION
1	R	20	1		2		360		MONITORING CABINET CONV GFCI DUPLEX RECPTS
* 2	M	20	2			1		665	ACTUATOR (EMO #2)
3	M						665		
4	L	20	1		1			2200	2200 VA UPS
5									
6	L	20	1	1			15		ELECTRICAL CABINET LED LIGHT FIXTURE
7	R	20	1		2			360	ELECTRICAL CABINET CONV GFCI DUPLEX RECEPTS
8		20	1						SPARE
9									PROVISION
10									PROVISION
TOTAL CONNECTED VA PHASE							1,040	3,225	

L-LOAD VA =	2,215	L.C.L @ 125% VA =	2,769
G-LOAD VA =	-	GENERAL LOAD @ 100% VA =	-
R-LOAD VA =	720	RECEPT. (> 10 KVA @ 50%) VA =	0
M-LOAD VA =	1,330	RECEPT. (<= 10 KVA @ 100%) VA =	720
OTHER LOAD VA =	-	MOTOR LOAD @ 100% VA =	1,330
CONNECTED VA =	4,265	OTHER LOAD @ 100% VA =	-
LOAD TYPE:		TOTAL DEMAND VA =	**4,818.8**
		DEMAND AMPS =	**20.1**

L = (L.C.L.) CONTINIOUS LOAD
G= GENERAL LOADS
R = RECEPTACLE LOADS
M=MOTOR LOADS

* PROVIDE A LOCK DEVICE TO LOCK C.B. IN THE OPEN POSITION



LOAD SCHEDULE			
NAME	VA	HP	FLA
SUB–PANEL B			17.8
IRRIGATION CONTROLLER	200		1.7
TOTAL			19.5

PANEL: SUB PNL "B" PANEL RATING: 200A-120/240V-1Ø-3W
ENCLOSURE: NEMA 3R MAINS: 200A-2P
MANUFACTURER: SQ'D, EATON, SIEMENS BUS/AIC: 225A/42 KAIC

CIRCUIT No.	CKT BKR TYPE	TRIP	POLE	LITE	RECPT	MISC	PHASES AØ VA	PHASES BØ VA	DESCRIPTION
1	L	20	1		1		2200		2200 VA UPS
* 2	M	20	2			1		665	ACTUATOR (EMO #3)
3	M						665		
4									
5									
6	L	20	1	1			15		ELECTRICAL CABINET LED LIGHT FIXTURE
7	R	20	1		1			180	ELECTRICAL CABINET CONV GFCI DUPLEX RECEPT
8		20	1						SPARE
9		20	1						SPARE
10									
TOTAL CONNECTED VA PHASE							2,880	845	

L-LOAD VA =	2,215	L.C.L @ 125% VA =	2,769
G-LOAD VA =	-	GENERAL LOAD @ 100% VA =	-
R-LOAD VA =	180	RECEPT. (> 10 KVA @ 50%) VA =	0
M-LOAD VA =	1,330	RECEPT. (<= 10 KVA @ 100%) VA =	180
OTHER LOAD VA =	-	MOTOR LOAD @ 100% VA =	1,330
CONNECTED VA =	3,725	OTHER LOAD @ 100% VA =	-
LOAD TYPE:		TOTAL DEMAND VA =	**4,278.8**
		DEMAND AMPS =	**17.8**

L = (L.C.L.) CONTINIOUS LOAD
G= GENERAL LOADS
R = RECEPTACLE LOADS
M=MOTOR LOADS

* PROVIDE A LOCK DEVICE TO LOCK C.B. IN THE OPEN POSITION

ONE–LINE GENERAL NOTES:

A. BLACK ON WHITE LAMINATED PLASTIC NAMEPLATE ENGRAVED IN MINIMUM 1/4" HIGH LETTERS. ATTACH NAMEPLATE TO EQUIPMENT, PANEL BOARDS AND DISCONNECTS, ETC. WITH RIVETS, BOLTS, OR SHEET METAL SCREWS. CEMENTED ATTACHMENTS ARE NOT ACCEPTABLE.

B. CARD HOLDER INSIDE OF DOOR OF PANEL BOARD FOR INDEX CARDS. AN ACCURATE TYPEWRITTEN PANEL SCHEDULE SHALL BE PUT INTO EACH PANEL.

C. TWO (2) KEYS WITH EACH PANEL BOARD. ALL PANEL BOARD LOCKS SHALL BE KEYED ALIKE.

D. WHERE TWO OR THREE POLE CIRCUIT BREAKERS OCCUR IN LIGHTING PANELS, THE MULTI–POLE BREAKERS SHALL HAVE COMMON TRIP "QUICKLAG" TYPE UNITS. SINGLE POLE BREAKERS WITH TIE–BAR BETWEEN HANDLE WILL NOT BE ACCEPTABLE.

E. ELECTRICAL SUBCONTRACTOR SHALL DETERMINE EXACT LENGTHS FOR HIS BID.

F. BOND GROUNDING ELECTRODE CONDUCTOR TO GROUNDING ELECTRODE WITH IRREVERSIBLE GROUND CLAMP OR EXOTHERMIC WELD (CADWELD, THERMOWLED, OR EQUAL).

G. ALL ELECTRICAL EQUIPMENT SHALL BE U.L. LISTED FOR 75°C MINIMUM.

SPECIFIC NOTES:

1. METERED SERVICE PEDESTAL, SEE DETAIL. INSTALL NEW UTILITY SERVICE IN ACCORDANCE WITH UTILITY & NEC REQUIREMENTS. INSTALL 10' CU–CLAD GROUND ROD AT NEW SERVICE. BOND SERVICE ENCLOSURE & NEUTRAL TO GROUND ROD WITH 1"RGS–#8 AWG COPPER.
2. GROUND WELL, SEE DETAIL, 3/4"ø x 10' CU–CLAD GROUND ROD. GROUND SYSTEM SHALL BE INSTALLED PER NEC 250–50.
3. UNDERGROUND UTILITY COMPANY SERVICE FEEDER.
4. 3/4"ø x 10' CU–CLAD GROUND ROD IN PEDESTAL.
5. U.G. BRANCH CIRCUITS, SEE SITE PLAN FOR NUMBER OF CONDUITS AND WIRE SIZES.
6. LIGHTING CONTACTOR, 120VAC COIL, 4–POLE N.O. ELECTRICALLY HELD, 40 AMP CURRENT RATING.
7. PROVIDE A LOCK DEVICE TO LOCK C.B. IN THE OPEN POSITION

DRAFTER ADM | DESIGNER ADM | CHECKER | CAD PROJECT FILE NAME - | REVIEWED BY | DATE

DATE	MK	DESCRIPTION
REVISIONS		

PROFESSIONAL ENGINEER ALBERTO R. DE LA MERCED E15357 Exp. date: 06-30-23 ELECTRICAL STATE OF CALIFORNIA

ALBERTO DE LA MERCED 10/4/22
PROJECT ENGINEER DATE

LOS ANGELES COUNTY PUBLIC WORKS

MONTEITH PARK AND VIEW PARK GREEN ALLEY STORMWATER IMPROVEMENTS

ONE–LINE DIAGRAM
NOTES, PANEL SCHEDULES

PROJECT ID NO. SWQ0000005

E5

CAPITAL PROJECT NO. CP-69813

SHEET 5 OF 11

PLAN EE

INSTRUMENT SOCIETY OF AMERICA TABLE

IDENTIFICATION LETTERS

	FIRST–LETTER		SUCCEEDING–LETTERS		
	MEASURED OR INITIATING VARIABLE	MODIFIER	READOUT OR PASSIVE FUNCTION	OUTPUT FUNCTION	MODIFIER
A	ANALYSIS		ALARM		
B	BURNER, COMBUSTION		USER'S CHOICE	USER'S CHOICE	USER'S CHOICE
C	CONDUCTIVITY			CONTROL	
D	USER'S CHOICE	DIFFERENTIAL			
E	VOLTAGE		SENSOR (PRIMARY ELEMENT)		
F	FLOW RATE	RATIO (FRACTION)			
G	USER'S CHOICE		GLASS, VIEWING DEVICE		
H	HAND				HIGH
I	CURRENT (ELECTRICAL)		INDICATE		
J	POWER	SCAN			
K	TIME, TIME SCHEDULE	TIME RATE OF CHANGE		CONTROL STATION	
L	LEVEL		LIGHT		LOW
M	USER'S CHOICE	MOMENTARY			MIDDLE, INTERMEDIATE
N	USER'S CHOICE		USER'S CHOICE	USER'S CHOICE	USER'S CHOICE
O	USER'S CHOICE		ORIFICE, RESTRICTION		
P	PRESSURE, VACUUM		POINT (TEST) CONNECTION		
Q	QUANTITY	INTEGRATE, TOTALIZE			
R	RADIATION		RECORD		
S	SPEED, FREQUENCY	SAFETY		SWITCH	
T	TEMPERATURE			TRANSMIT	
U	MULTIVARIABLE		MULTIFUNCTION	MULTIFUNCTION	MULTIFUNCTION
V	VIBRATION, MECHANICAL ANALYSIS			VALVE, DAMPER LOUVER	
W	WEIGHT, FORCE		WELL		
X	UNCLASSIFIED	X AXIS	UNCLASSIFIED(*)	UNCLASSIFIED(*)	UNCLASSIFIED(*)
Y	EVENT, STATE OR PRESENCE	Y AXIS		RELAY, COMPUTE CONVERT	
Z	POSITION, DIMENSION	Z AXIS		DRIVER, ACTUATOR, UNCLASSIFIED FINAL CONTROL ELEMENT	

INSTRUMENT LINE SYMBOLS

- PRIMARY PROCESS FLOW
- SECONDARY PROCESS FLOW, CONNECTION TO PROCESS FLOW, MECHANICAL LINK OR INSTRUMENT SUPPLY
- ELECTRIC SIGNAL (DISCRETE)
- A A ELECTRIC SIGNAL (ANALOG)
- DATA COMMUNICATION LINE
- (2) MULTI–CIRCUIT ELECTRIC SIGNALS (NUMBER OF SIGNALS ILLUSTRATED IN PARENTHESIS)
- INTERLOCK
- ULTRASONIC LEVEL SENSOR

VALVES & GATES

- BUTTERFLY VALVE (BFV)
- GATE VALVE (GV)
- K KNIFE GATE VALVE (KGV)
- SWING CHECK VALVE (CV)
- BALL VALVE (BV)
- GLOBE VALVE (GLV)
- DIAPHRAGM VALVE (DV)
- PLUG VALVE (PV)
- COMBINATION AIR VALVE (AVRV)
- 3–WAY GLOBE
- BALL CHECK VALVE (BCV)
- M MOTOR OPERATED VALVE (MOV)
- BACK PRESSURE RELIEF (BPR)
- PRESSURE CONTROL VALVE (PCV)
- S SOLENOID CONTROL VALVE (SV)
- S 3–WAY SOLENOID
- NEEDLE VALVE (NV)
- PINCH VALVE (PIV)
- PRESSURE RELIEF VALVE (PRV)
- DISK CHECK VALVE (DCV)
- SAMPLE VALVE (S)
- VACUUM BREAKER VALVE (VBV)
- AIR VENT VALVE (AV)

MECHANICAL EQUIPMENT

- M MAGNETIC FLOWMETER
- ORIFICE PLATE
- NORMAL LIQUID LEVEL
- LEVEL SENSOR, FLOAT TYPE
- CALIBRATION COLUMN
- REDUCER
- GAGE ISOLATOR
- BLIND FLANGE
- AREA–VELOCITY FLOW METER

INSTRUMENT ABBREVIATIONS

AC	ALTERNATING CURRENT
AI	ANALOG INPUT
AM	AUTO–MANUAL
AMR	AUTO–MANUAL–REMOTE
AO	ANALOG OUTPUT
C	CLOSE
CP	CONTROL PANEL
CSP	CONSTANT SPEED PUMP
DC	DIRECT CURRENT
DI	DISCRETE INPUT
DL	DATA LINK
DO	DISCRETE OUTPUT
EMO	ELECTRIC MOTOR OPERATOR
ETM	ELAPSED TIME METER
FE	FLOW ELEMENT
FI	FLOW INDICATION
FRS	FLOW RATIO
FT	FLOW TRANSMITTER
HA	HAND–AUTO
HL	HIGH–LOW
HLOR	HIGH–LOW–OFF–REMOTE
HMI	HUMAN MACHINE INTERFACE
HOA	HAND–OFF–AUTO
HS	HAND SWITCH
HSC	HAND SWITCH CLOSE COMMAND
HSO	HAND SWITCH OPEN COMMAND
HSS	HAND SWITCH STOP COMMAND
I/O	INPUT/OUTPUT
LOR	LOCAL–OFF–REMOTE
LOS	LOCK–OUT STOP
LR	LOCAL–REMOTE
MCC	MOTOR CONTROL CENTER
MCP	MASTER CONTROL PANEL
MODEM	MODULATE–DEMODULATE
MOV	MOTOR OPERATED VALVE
MSG	MOTOR–OPERATED SLIDE GATE
NS	NETWORK SWITCH
O	OPEN
OAC	OPEN–AUTO–CLOSE
OIT	OPERATOR INTERFACE TERMINAL
OO	ON–OFF
OOA	ON–OFF–AUTO
OOR	ON–OFF–REMOTE
OSC	OPEN–STOP–CLOSE
OSCA	OPEN–STOP–CLOSE–AUTO
OSCR	OPEN–STOP–CLOSE–REMOTE
P	PROPORTIONAL
P/A	PULSE TO ANALOG
PC	PARTICLE COUNTER
PE	PRESSURE
PI	PRESSURE INDICATOR
PID	PROPORTIONAL–INTEGRAL–DERIVATIVE
P&ID	PROCESS & INSTRUMENTATION DIAGRAM
PLC	PROGRAMMABLE LOGIC CONTROLLER
PRV	PRESSURE REDUCING VALVE
PS	PRESSURE SWITCH
RSP	REMOTE SET POINT
RTU	REMOTE TERMINAL UNIT
SCADA	SUPERVISORY CONTROL AND DATA ACQUISITION
SCS	SUPERVISORY CONTROL STATION
SE	VELOCITY ELEMENT
SEL	SELECT
SI	VELOCITY INDICATION
SOV	SOLENOID VALVE
SP	SET POINT
SS	START–STOP
ST	VELOCITY TRANSMITTER
STCD	STATUS–TO–COMMAND DISAGREEMENT
TBAC	TERMINAL BLOC ALTERNATING CURRENT
TBAI	TERMINAL BLOC ANALOG INPUT
TBDC	TERMINAL BLOCK DIRECT CURRENT
TBDC	TERMINAL BLOCK DIGITAL INPUT
TBDO	TERMINAL BLOCK DIGITAL OUTPUT
TOT	TOTALIZATION
TPC	TIME PROPORTIONAL CONTROL
TSP	TWISTED SHIELDED PAIR
TTR	TONE TELEMETRY RECEIVER
TTT	TONE TELEMETRY TRANSMITTER
TURB	TURBIDITY
YA	ALARM INDICATOR
YCI	CLOSED INDICATION
YOI	OPEN INDICATION
ZC	POSITION CONTROL (SET POINT)
ZSC	POSITION CLOSED INDICATION
ZSO	POSITION OPEN INDICATION
ZT	POSITION TRANSMITTER

INSTRUMENT IDENTIFICATION

	PRIMARY LOCATION *** NORMALL ACCESSIBLE TO OPERATOR	FIELD MOUNTED
DISCRETE INSTRUMENTS	1 XXX XXX – IP1**	2 XXX XXX
SHARED DISPLAY, SHARED CONTROL	3 XXX XXX	4 XXX XXX
PROGRAMMABLE LOGIC CONTROL	5 XXX XXX	6 XXX XXX

* SYMBOL SIZE MAY VARY ACCORDING TO THE USER'S NEEDS AND THE TYPE OF DOCUMENT. A SUGGESTED SQUARE AND CIRCLE SIZE FOR LARGE DIAGRAMS IS SHOWN ABOVE. CONSISTENCY IS RECOMMENDED.

** ABBREVIATIONS OF THE USER'S CHOICE SUCH AS IP1 (INSTRUMENT PANEL #1), IC2 (INSTRUMENT CONSOLE #2), CC3 (COMPUTER CONSOLE #3), ETC., MAY BE USED WHEN IT IS NECESSARY TO SPECIFY INSTRUMENT OR FUNCTION LOCATION.

*** NORMALLY INACCESSIBLE OR BEHIND–THE–PANEL DEVICES OR FUNCTIONS MAY BE DEPICTED BY USING THE SAME SYMBOL BUT WITH DASHED HORIZONTAL BARS, IE.

XXX XXX XXX XXX XXX XXX

ACTUATORS OR OPERATORS

- M MOTOR ACTUATOR
- S SOLENOID ACTUATOR

DRAFTER ADM | DESIGNER ADM | CHECKER | CAD PROJECT FILE NAME - | REVIEWED BY | DATE

DATE	MK	DESCRIPTION

REVISIONS

REGISTERED PROFESSIONAL ENGINEER ALBERTO R. DE LA MERCED E15357 Exp. date: 06-30-23 ELECTRICAL STATE OF CALIFORNIA

ALBERTO DE LA MERCED 10/4/22
PROJECT ENGINEER DATE

LOS ANGELES COUNTY PUBLIC WORKS

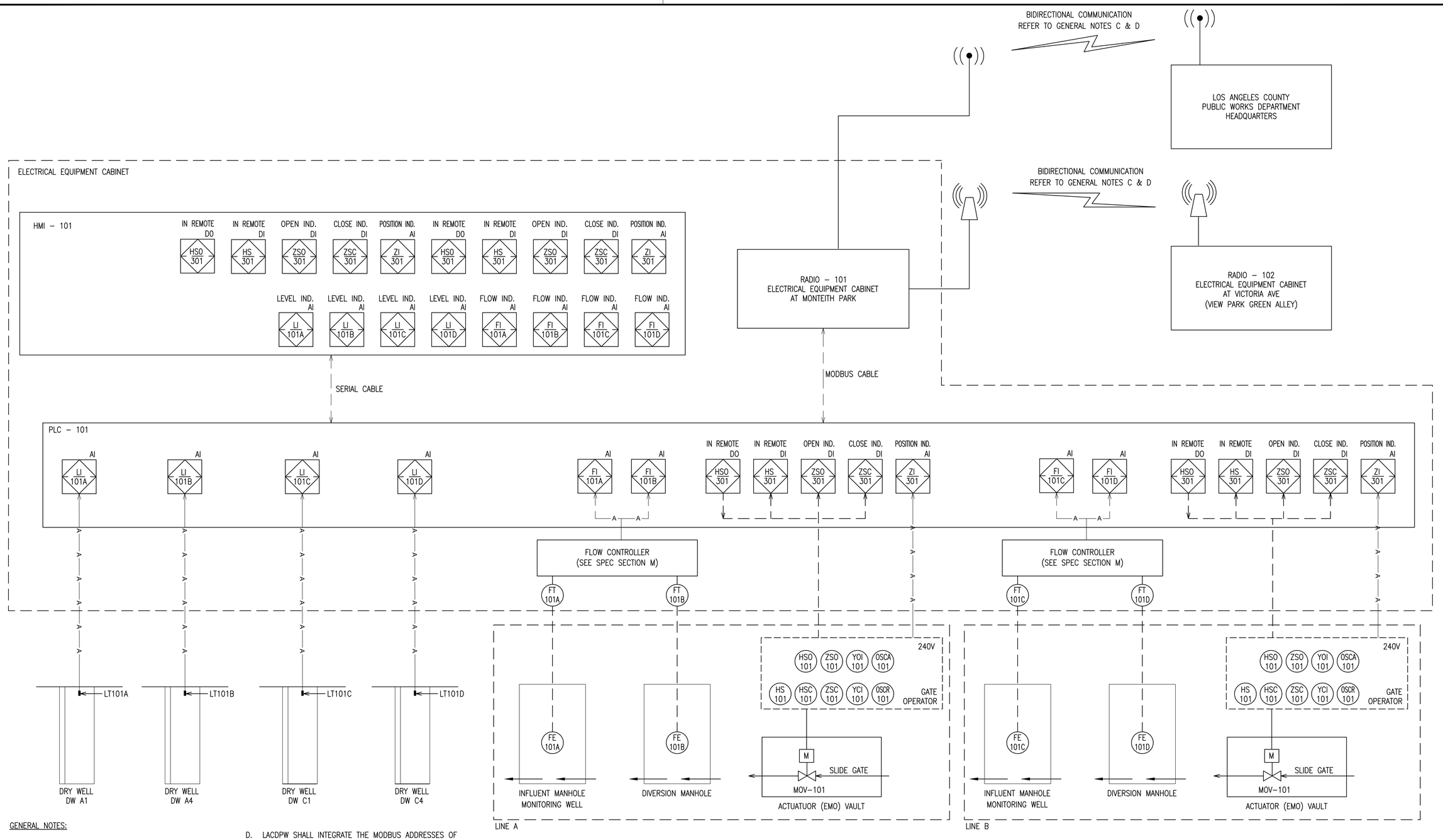
MONTEITH PARK AND VIEW PARK GREEN ALLEY STORMWATER IMPROVEMENTS

INSTRUMENTATION ABBREVIATIONS AND TABLE

PROJECT ID NO. SWQ0000005 E6

CAPITAL PROJECT NO. CP-69813 SHEET 6 OF 11

PLAN EE



GENERAL NOTES:

A. REFER TO PLAN ME FOR EXACT LOCATION OF DRY WELLS, MANHOLES, AND ACTUATOR (EMO) VAULTS.

B. PLC'S MUST BE PROGRAMMED TO ACCEPT SIGNALS FROM THE TRANSDUCERS, GATE POSITION, AND FLOW READINGS.

C. THE CONTRACTOR SHALL PROVIDE THE MODBUS ADDRESSES OF THE DATA MONITORING POINTS SHOWN ON HMI–101 DIAGRAM. THE CONTRACTOR SHALL FURNISH THE MODBUS ADDRESSES TO LACDPW.

D. LACDPW SHALL INTEGRATE THE MODBUS ADDRESSES OF THE MONITORING DATA WITH LACDPW EXISTING SCADA SYSTEM LOCATED AT LACDPW HEADQUARTER.

E. TYPICAL FOR ALL DISPLAYS, REFER TO SHEET E5 FOR INSTRUMENTATION IDENTIFICATION TABLE.

DATE	MK	DESCRIPTION
		REVISIONS

REGISTERED PROFESSIONAL ENGINEER
ALBERTO R. DE LA MERCED
E15357
Exp. date: 06-30-23
ELECTRICAL
STATE OF CALIFORNIA

ALBERTO DE LA MERCED 10/4/22
PROJECT ENGINEER DATE

LOS ANGELES COUNTY PUBLIC WORKS

MONTEITH PARK AND VIEW PARK GREEN ALLEY STORMWATER IMPROVEMENTS

ELECTRICAL EQUIPMENT P&ID DIAGRAM MONTEITH PARK

PROJECT ID NO. SWQ0000005

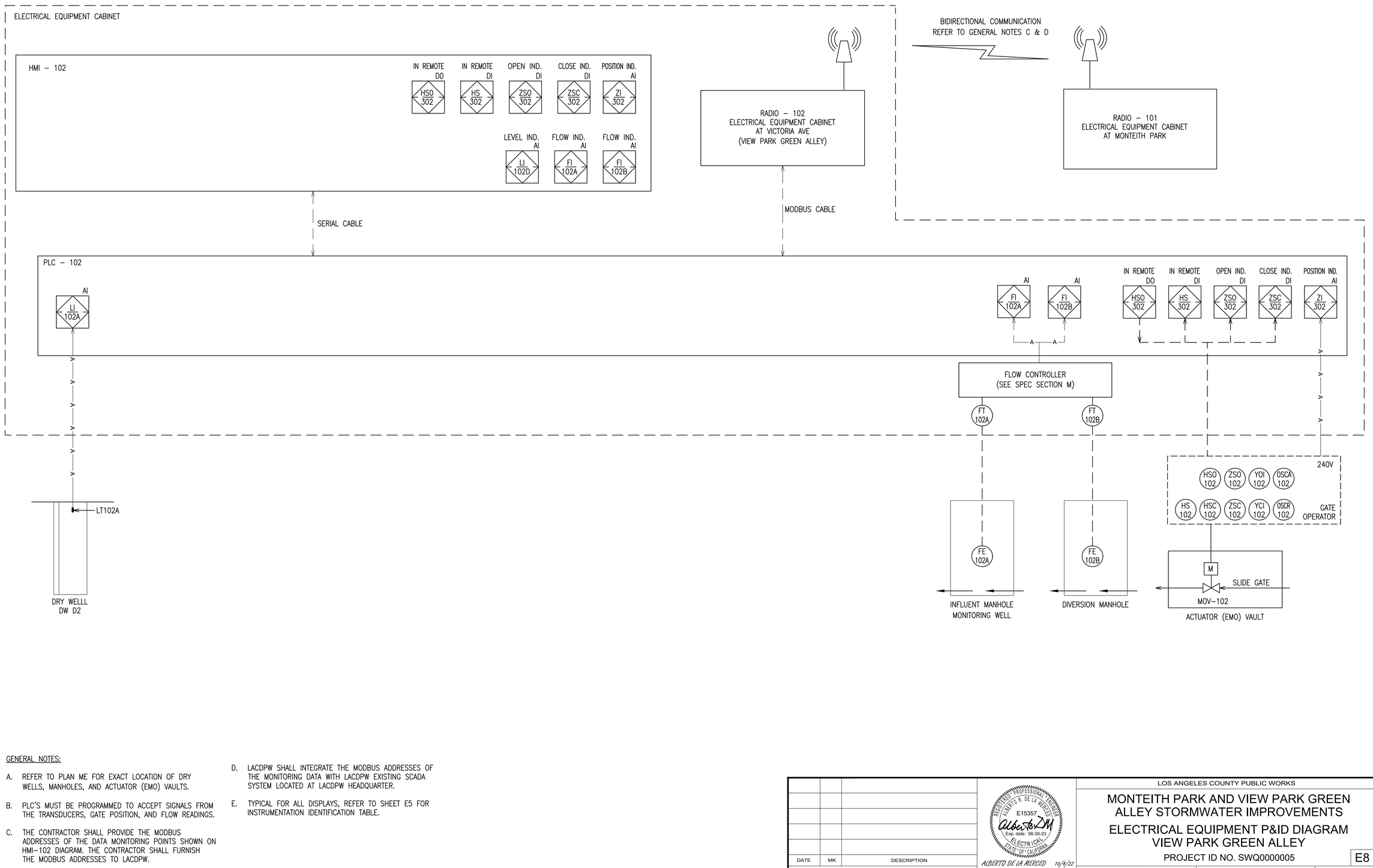
E7

CAPITAL PROJECT NO. CP-69813

SHEET 7 OF 11

DRAFTER ADM
DESIGNER ADM
CHECKER
CAD PROJECT FILE NAME -
REVIEWED BY
DATE

PLAN EE



GENERAL NOTES:

A. REFER TO PLAN ME FOR EXACT LOCATION OF DRY WELLS, MANHOLES, AND ACTUATOR (EMO) VAULTS.

B. PLC'S MUST BE PROGRAMMED TO ACCEPT SIGNALS FROM THE TRANSDUCERS, GATE POSITION, AND FLOW READINGS.

C. THE CONTRACTOR SHALL PROVIDE THE MODBUS ADDRESSES OF THE DATA MONITORING POINTS SHOWN ON HMI–102 DIAGRAM. THE CONTRACTOR SHALL FURNISH THE MODBUS ADDRESSES TO LACDPW.

D. LACDPW SHALL INTEGRATE THE MODBUS ADDRESSES OF THE MONITORING DATA WITH LACDPW EXISTING SCADA SYSTEM LOCATED AT LACDPW HEADQUARTER.

E. TYPICAL FOR ALL DISPLAYS, REFER TO SHEET E5 FOR INSTRUMENTATION IDENTIFICATION TABLE.

DRAFTER ADM | DESIGNER ADM | CHECKER | CAD PROJECT FILE NAME - | REVIEWED BY | DATE

DATE	MK	DESCRIPTION

REVISIONS

REGISTERED PROFESSIONAL ENGINEER ALBERTO R. DE LA MERCED E15357 Exp. date: 06-30-23 ELECTRICAL STATE OF CALIFORNIA

ALBERTO DE LA MERCED 10/4/22
PROJECT ENGINEER DATE

LOS ANGELES COUNTY PUBLIC WORKS

MONTEITH PARK AND VIEW PARK GREEN ALLEY STORMWATER IMPROVEMENTS

ELECTRICAL EQUIPMENT P&ID DIAGRAM VIEW PARK GREEN ALLEY

PROJECT ID NO. SWQ0000005

E8

CAPITAL PROJECT NO. CP-69813

SHEET 8 OF 11

PLAN EE

PLC 101 PROGRAMMING SCOPE

OBTAIN THE FOLLOWING DATA AND DISPLAYING THE DATA ON HMI-101 SCREEN

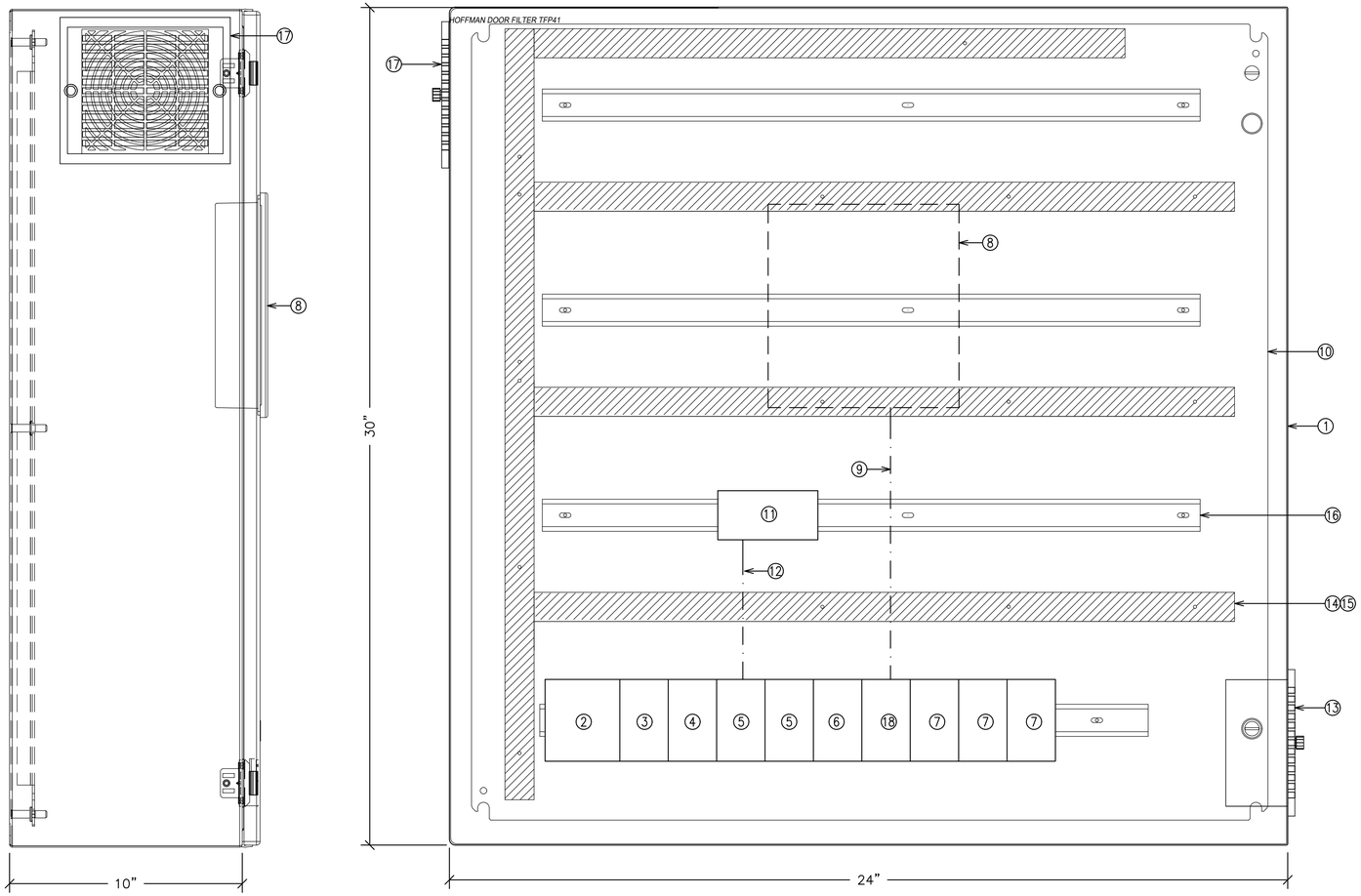
- EMO#1 ACTUATOR IN REMOTE SELECTION
- EMO#1 ACTUATOR IS FULLY OPEN
- EMO#1 ACTUATOR IS FULLY CLOSED
- EMO#1 ACTUATOR OPEN PERCENTILE
- 72" MANHOLE INFLUENT MONITORING WELL FLOW READING
- DIVERSION MANHOLE FLOW READING
- EMO#2 ACTUATOR IN REMOTE SELECTION
- EMO#2 ACTUATOR IS FULLY OPEN
- EMO#2 ACTUATOR IS FULLY CLOSED
- EMO#2 ACTUATOR OPEN PERCENTILE
- 72" MANHOLE INFLUENT MONITORING WELL FLOW READING
- DIVERSION MANHOLE FLOW READING
- DRY WELL DW A1 WATER LEVEL
- DRY WELL DW A4 WATER LEVEL
- DRY WELL DW C1 WATER LEVEL
- DRY WELL DW C4 WATER LEVEL

PLC 102 PROGRAMMING SCOPE

OBTAIN THE FOLLOWING DATA AND DISPLAYING THE DATA ON HMI-102 SCREEN

- EMO#3 ACTUATOR IN REMOTE SELECTION
- EMO#3 ACTUATOR IS FULLY OPEN
- EMO#3 ACTUATOR IS FULLY CLOSED
- EMO#3 ACTUATOR OPEN PERCENTILE
- 72" MANHOLE INFLUENT MONITORING WELL FLOW READING
- DIVERSION MANHOLE FLOW READING
- DRY WELL DW D2 WATER LEVEL

EQUIPMENT BILL OF MATERIALS		
	ITEM	DESCRIPTION
PROGRAM LOGIC CONTROLLER (PLC) (AUTOMATION DIRECT PL205)	①	ENCLOSURE, NEMA TYPE 4, SIZE 24"WX30"HX10"D WITH PANEL DIN-RAIL, CATALOG#CSD302410LG
	②	BASE 9 SLOT: D2-09BDC1-1
	③	CPU MODULE: DO-MORECPU, ETHERNET INTERFACE, H2-DM1E
	④	24DC INPUT CARD, 16 INPUTS, D2-16ND3-2
	⑤	ANALOG INPUT/OUTPUT CARD, 8 INPUTS, 4 OUTPUTS, F2-8AD4DA01
	⑥	H2-ECOM100 ETHERNET MODULE MODBUS
	⑦	BLANK FILLER MODULE, D2-SILL
	⑧	10" TOUCH SCREEN MODULE, MODEL#EA9-T10CL. ON CABINET DOOR.
	⑨	SERIAL CABLE, CATALOG#EA-2CBL-1
	⑩	INTERIOR PANEL FOR ENCLOSURE
	⑪	ZIPLINK 20-POLE FEED THRU MODULE ZL-RTB20
	⑫	INTERFACE CABLE ZL-D2-CBL 19
	⑬	FAN KIT 24VDC WITH FILTER
	⑭	WIRE DUCT
	⑮	WIRE DUCT COVER
	⑯	DIN RAIL 35MM
	⑰	EXHAUST GRILL WITH FILTER
	⑱	DATA COMMUNICATION MODULE, AUTOMATION DIRECT CATALOG No. D2-DCM
	⑲	
	⑳	
	㉑	
	㉒	
	㉓	



DRAFTER ADM | DESIGNER ADM | CHECKER | CAD PROJECT FILE NAME - | REVIEWED BY | DATE

REVISIONS			
DATE	MK	DESCRIPTION	

PROFESSIONAL ENGINEER — ALBERTO R. DE LA MERCED — E15357 — Exp. date: 06-30-23 — ELECTRICAL — STATE OF CALIFORNIA

ALBERTO DE LA MERCED — PROJECT ENGINEER — 10/4/22 — DATE

LOS ANGELES COUNTY PUBLIC WORKS

MONTEITH PARK AND VIEW PARK GREEN ALLEY STORMWATER IMPROVEMENTS

PLC CABINET LAYOUT

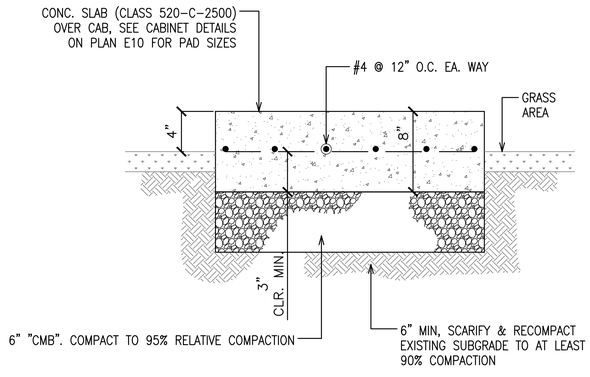
PROJECT ID NO. SWQ0000005 — E9

CAPITAL PROJECT NO. CP-69813 — SHEET 9 OF 11

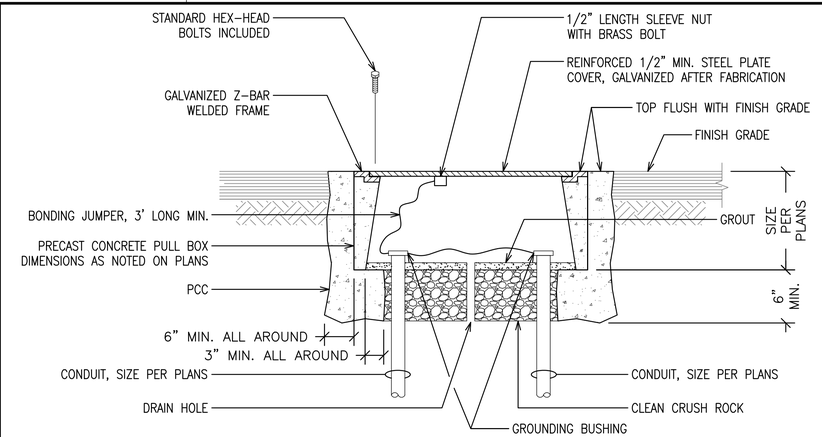
PLAN EE

CONDUIT SCHEDULE			
ID	CONDUIT*	CONDUCTORS	REMARKS
		POWER	
P1	3"C	PULL ROPE	UTILITY FEEDER CKT
P2	2"C	3#1 & 1#1 E.G.	SUBPNL FEEDER CKT
P3	2"C	2#8 & 1#8 E.G.	ACTUATOR (EMO) BRANCH CKT
P4	2"C	2#8 & 1#8 E.G.	MONITORING EQPT CABINET BRANCH CKT
P5	1"C	2#10 & 1#10 E.G.	IRRIGATION CONTROLLER BRANCH CKT
P6	3/4"	2#10 & 1#10 E.G.	TREE FLOOD LIGHT BRACH CKT
		CONTROL	
C1	2"C	2#8 & 1#8 E.G.	ACTUATOR (EMO) RAISE/LOWER CONTROL CABLE
C2	NOT USED	NOTE USED	NOT USED
C3	NOT USED	NOT USED	NOT USED
		SIGNAL	
S1	2"C	FLOW METER CABLE	SEE PLAN ME FOR CABLE TYPE
S2	2"C	LASER SENSOR CABLE	SEE PLAN ME FOR CABLE TYPE
S3	2"C	AV SENSOR CABLE	SEE SPEC SECTION M FOR CABLE TYPE
S4	2"C	4–20mA	4–PAIR SHIELDED TWISTED PAIR (STP)
S5	2"C	SAMPLING TUBING	SEE SPEC SECTION M FOR TUBING TYPE
S6	2"C	GAS SENSOR CABLE 4–20mA	SEE SPEC SECTION M FOR CABLE TYPE
SP1	1"C	PULL ROPE	SPARE
SP2	2"C	PULL ROPE	SPARE
SP3	3"C	PULL ROPE	SPARE
SP4	4"C	PULL ROPE	SPARE

* SEE ELECTRICAL TRENCH DETAIL ON SHEET E9 FOR DUCT BANK INSTALLATION. SEE GENERAL NOTE F ON SHEET E1 FOR CONDUIT TYPES.

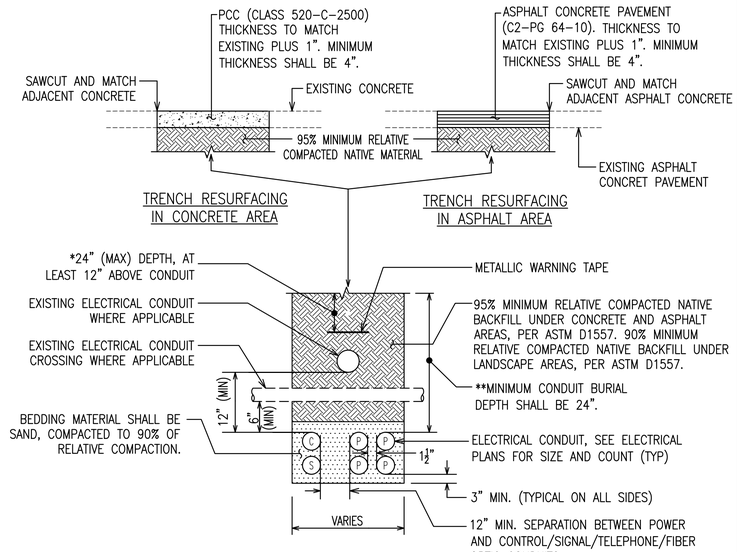


EQUIPMENT PAD DETAIL — NO SCALE — ⑤



DESIGN LOAD: AASHTO H20, INSTALL PER CALTRANS STANDARD PLAN RSP ES–8B

PULL BOX DETAIL — NO SCALE — ④

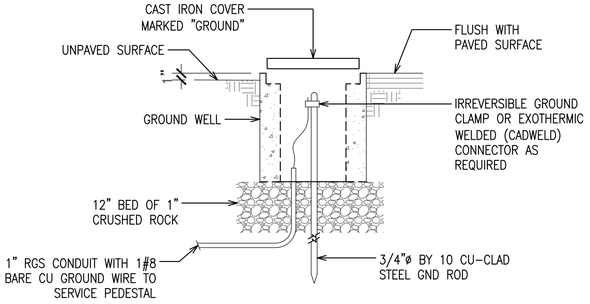


* PER NEC 300.5 (D)(3), UNDERGROUND SERVICE CONDUCTORS THAT ARE NOT ENCASED IN CONCRETE AND THAT ARE BURIED 450MM (18") OR MORE BELOW GRADE SHALL HAVE THEIR LOCATION IDENTIFIED BY A WARNING RIBBON THAT IS PLACED IN THE TRENCH AT LEAST 300MM (12") ABOVE THE UNDERGROUND INSTALLATION.

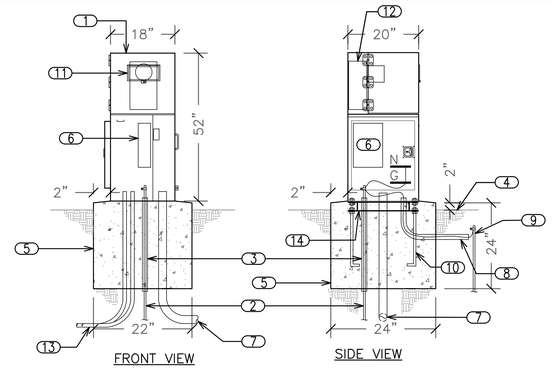
(C) CONTROL CABLE IN CONDUIT
(S) SIGNAL CABLE IN CONDUIT
(P) POWER CABLE IN CONDUIT
(T) TELEPHONE CABLE IN CONDUIT
(F) FIBER OPTIC CABLE IN CONDUIT
(SP) SPARE CONDUIT

** IN AREAS WHERE UNDERGROUND COVER IS LESS THAN 24 INCHES DUE TO EXISTING UNDERGROUND UTILITIES, ALL NEW UNDERGROUND CONDUITS SHALL BE CONCRETE ENCASED WITH A MINIMUM 3" CONCRETE COVER ALL AROUND EACH CONDUIT.

ELECTRICAL TRENCH DETAIL — NO SCALE — ③



GROUND WELL DETAIL — NO SCALE — ②



① METERED SERVICE PEDESTAL,

② 3/4"ø BY 10' LONG CU–CLAD GND ROD W/ GND CLAMP

③ PVC SLEEVE FOR GROUND ROD

④ FINISHED GRADE

⑤ POURED CONCRETE BASE – EXTEND 2" BEYOND OUTSIDE DIMENSIONS OF ENCLOSURE WITH 0.5% SLOPE FOR DRAINAGE.

⑥ LOAD CENTER, 100A/2P MAIN CB–120/240V–1ϕ–3W–42KAIC MIN.

⑦ 3" PVC SCHD80 CONDUIT WITH 3/8" WIDTH WOVEN MULTI–FIBER RIBBON PULL TAPE, 30" MIN. COVER, CABLES BY UTILITY COMPANY

⑧ 1" RGS – #8 AWG. MINIMUM GND ELECTRODE CONDUCTOR.

⑨ 3/4"ø BY 10' LONG CU–CLAD GND ROD IN GROUND WELL, SEE DETAIL 2.

⑩ FOUR (4) ANCHOR BOLTS, ONE AT EACH CORNER OF THE ELECTRICAL SERVICE ENCLOSURE,

⑪ METER VIEWING WINDOW.

⑫ METER SOCKET WITH TEST BLOCKS

⑬ U.G. BRANCH CIRCUITS, SEE SITE PLANS FOR NUMBER OF CONDUITS AND WIRES SIZES.

⑭ MOUNTING BASE PLATE EMBED IN CONCRETE FOOTING.

SERVICE PEDESTAL DETAIL (TYPICAL) — NO SCALE — ①

DATE	MK	DESCRIPTION
		REVISIONS

REGISTERED PROFESSIONAL ENGINEER — ALBERTO R. DE LA MERCED — E15357 — Exp. date: 06-30-23 — ELECTRICAL — STATE OF CALIFORNIA

ALBERTO DE LA MERCED 10/4/22
PROJECT ENGINEER DATE

LOS ANGELES COUNTY PUBLIC WORKS

MONTEITH PARK AND VIEW PARK GREEN ALLEY STORMWATER IMPROVEMENTS

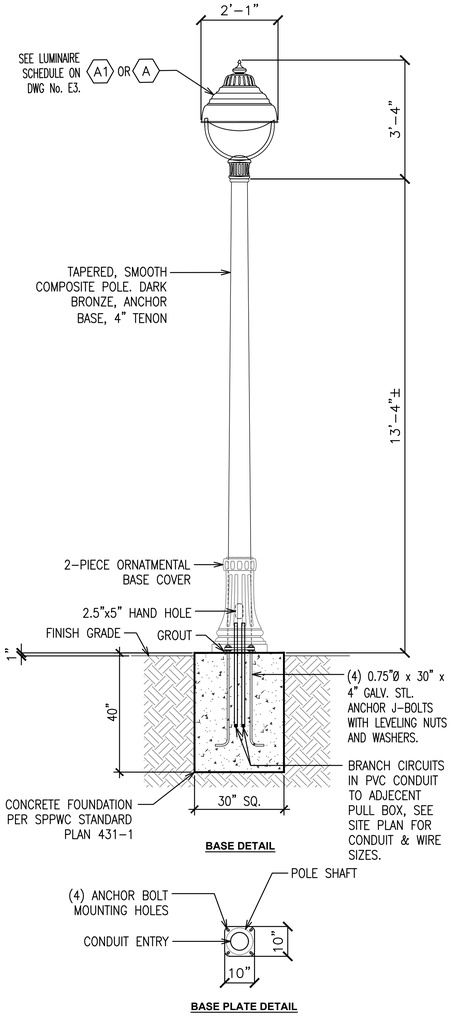
DETAILS, CONDUIT SCHEDULE

PROJECT ID NO. SWQ0000005 — E10

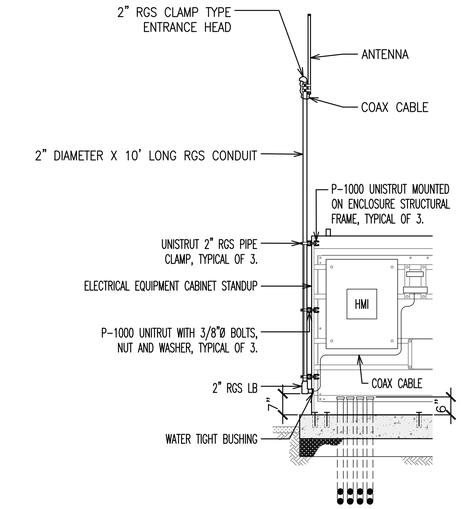
CAPITAL PROJECT NO. CP-69813 — SHEET 10 OF 11

DRAFTER ADM | DESIGNER ADM | CHECKER | CAD PROJECT FILE NAME - | REVIEWED BY | DATE

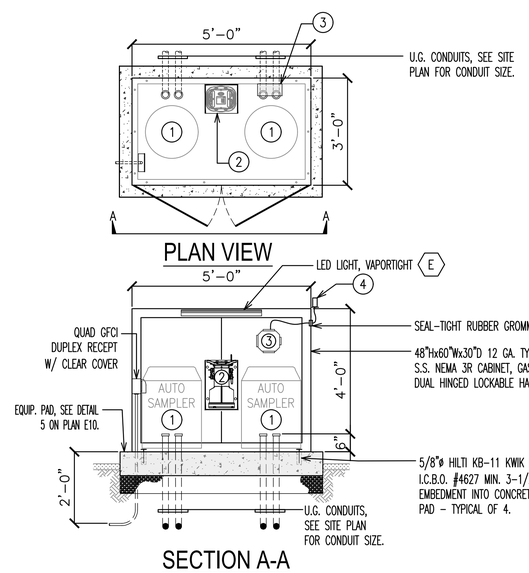
PLAN EE



LIGHT FIXTURE TYPE "A" DETAIL | NO SCALE | 5



ANTENNA MAST DETAIL | NO SCALE | 4

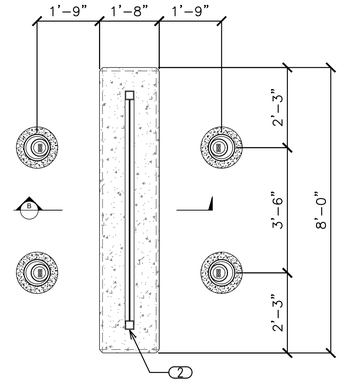


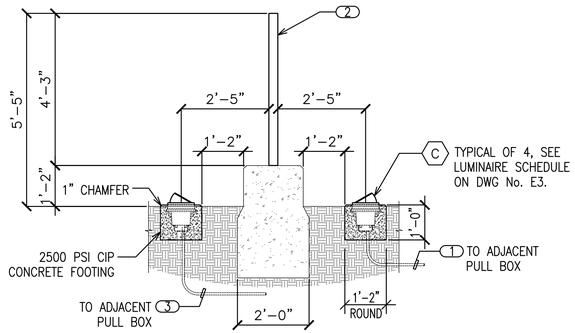
EQUIPMENT TABLE		
(#)	DESCRIPTION	REMARKS
1	PORTABLE AUTO-SAMPLER	SEE SPEC SECTION M
2	FLOW SENSOR DATA LOGGER ON S.S. WALL BRACKET	SEE SPEC SECTION M
3	RECORDING TELMETRY UNIT	SEE SPEC SECTION M
4	ANTENNA (OMNIDIRECTIONAL) AND CABLE	SEE SPEC SECTION M

MONITORING EQPT. CABINET DETAIL | NO SCALE | 3

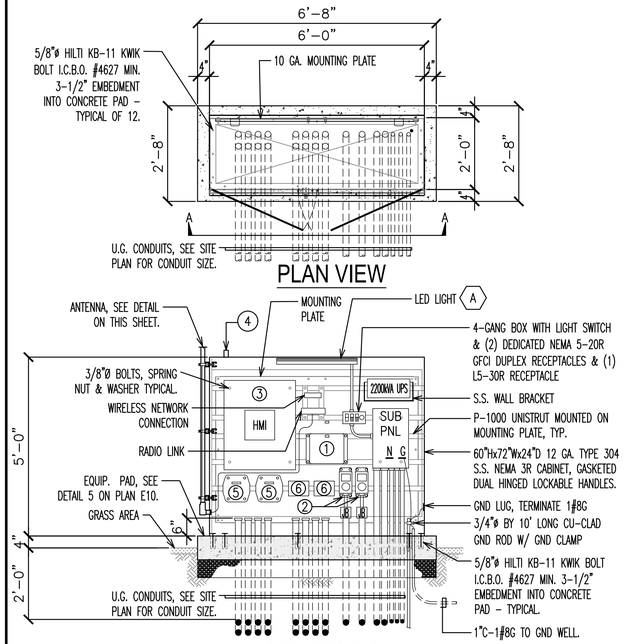
SPECIFIC NOTES:

1. ONE (1) 1" PVC SCHD80, 18" BELOW GRADE, WITH 2#8 THWN & 1#8 GND.
2. MONUMENT SIGN, SEE PLAN LS DETAIL.
3. ONE (1) 1" PVC SCHD80, 30" BELOW GRADE, WITH 2#8 THWN & 1#8 GND.





MONUMENT SIGN UP LIGHT DETAIL | NO SCALE | 2



EQUIPMENT TABLE		
(#)	DESCRIPTION	REMARKS
1	FLOW SENSOR DATA LOGGER	SEE SPEC SECTION M
2	ACTUATOR (EMO) REMOTE CONTROLLER	SEE SPEC SECTION M
3	PLC CABINET	SEE DETAIL ON SHEET E9
4	ANTENNA	SEE DETAIL ON SHEET E9
5	GAS SENSOR CONTROLLER	SEE SPEC SECTION M
6	ANALYZER MODULE	SEE SPEC SECTION M

ELECTRICAL EQPT. CABINET | NO SCALE | 1

DRAFTER ADM | DESIGNER ADM | CHECKER | CAD PROJECT FILE NAME - | REVIEWED BY | DATE

DATE	MK	DESCRIPTION
		REVISIONS

PROFESSIONAL ENGINEER — ALBERTO R. DE LA MERCED — E15357 — Exp. date: 06-30-23 — ELECTRICAL — STATE OF CALIFORNIA

ALBERTO DE LA MERCED, PROJECT ENGINEER — 10/4/22 DATE

LOS ANGELES COUNTY PUBLIC WORKS

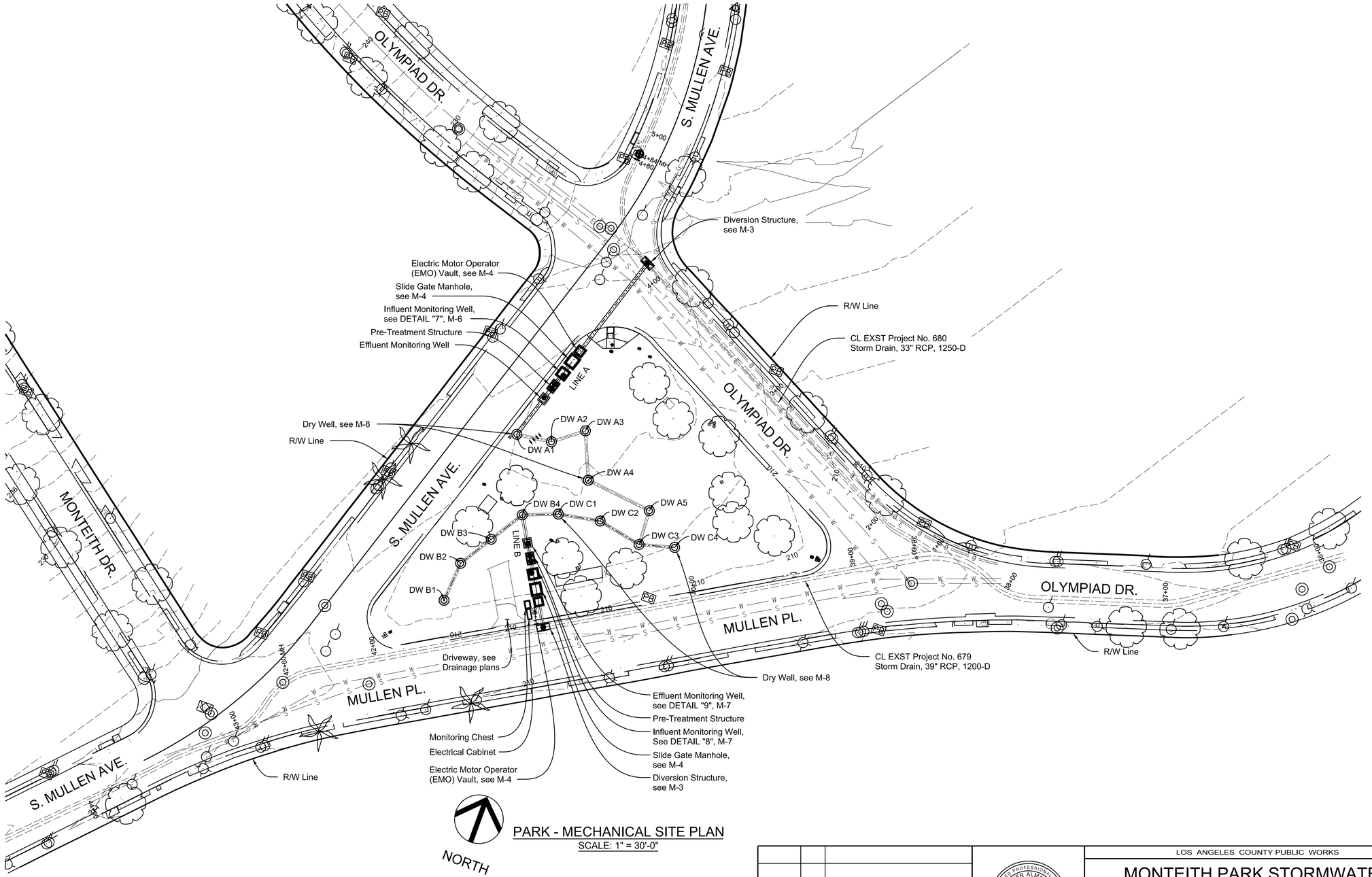
MONTEITH PARK AND VIEW PARK GREEN ALLEY STORMWATER IMPROVEMENTS

DETAILS

PROJECT ID NO. SWQ0000005 — E11

CAPITAL PROJECT NO. CP-69813 — SHEET 11 OF 11

PLAN EE



PARK - MECHANICAL SITE PLAN

SCALE: 1" = 30'-0"

M-1

DRAFTER	DESIGNER	CHECKER	CADD PROJECT FILE NAME
J.Ung	J.Ung	J. Almaraz	DES0002971 - Monteith Park Stormwater Capture Project

DATE	MARK	DESCRIPTION

REVISIONS

REGISTERED PROFESSIONAL ENGINEER — JAVIER ALMARAZ — M 39055 — MECHANICAL — STATE OF CALIFORNIA

PROJECT ENGINEER — 10/3/2022 — DATE

LOS ANGELES COUNTY PUBLIC WORKS

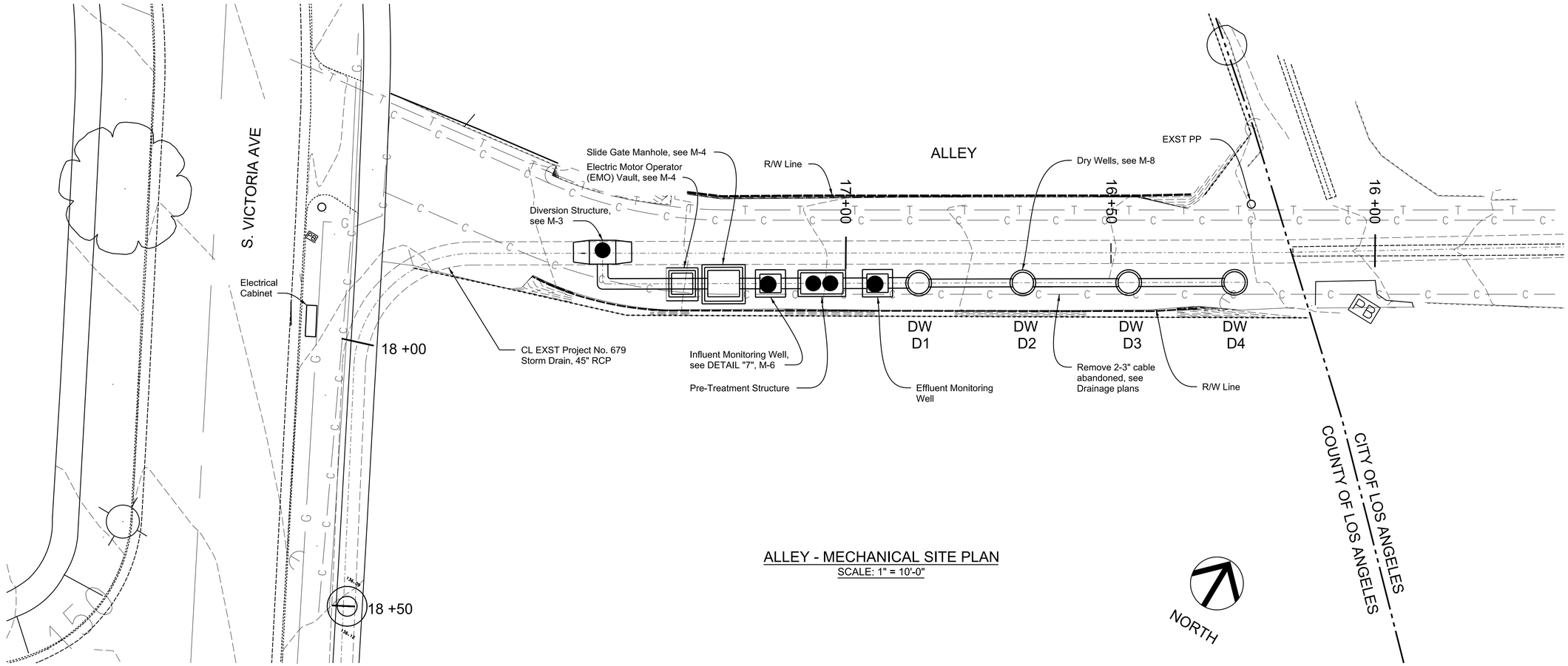
MONTEITH PARK STORMWATER CAPTURE PROJECT

PROJECT ID NO. SQW0000005

PARK - MECHANICAL SITE PLAN

CAPITAL PROJECTS NO. CP-69813 | SHEET 1 OF 8

PLAN ME



ALLEY - MECHANICAL SITE PLAN
SCALE: 1" = 10'-0"

DRAFTER J.Ung
DESIGNER J.Ung
CHECKER J. Almaraz
CADD PROJECT FILE NAME DES0002971 - Monteith Park Stormwater Capture Project

DATE	MARK	DESCRIPTION

REVISIONS

REGISTERED PROFESSIONAL ENGINEER
JAVIER ALMARAZ
M 39055
MECHANICAL
STATE OF CALIFORNIA

PROJECT ENGINEER 10/3/2022 DATE

M-2

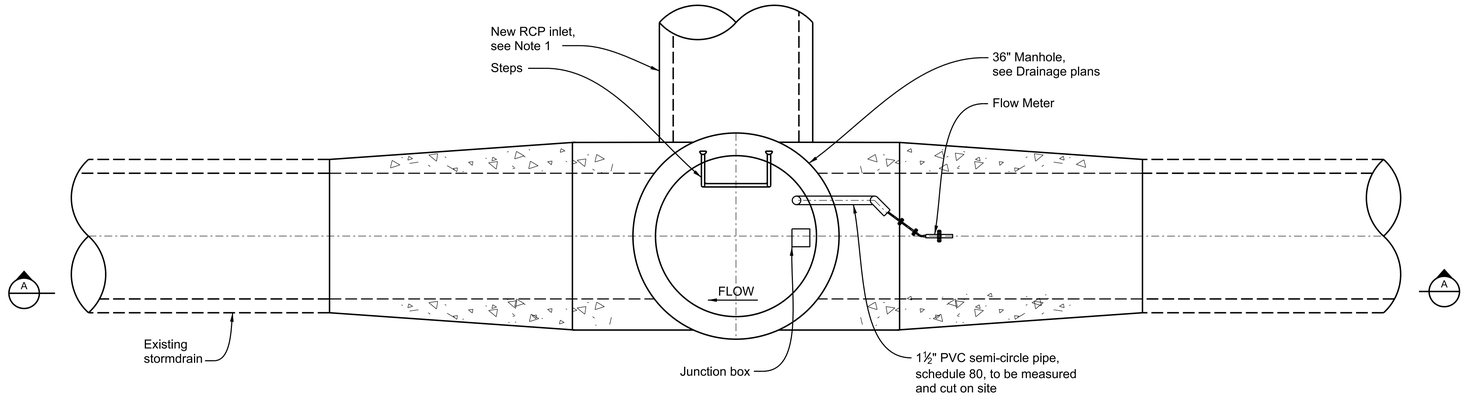
LOS ANGELES COUNTY PUBLIC WORKS

MONTEITH PARK STORMWATER CAPTURE PROJECT

PROJECT ID NO. SQW0000005

CAPITAL PROJECTS NO. CP-69813 | SHEET 2 OF 8

PLAN ME



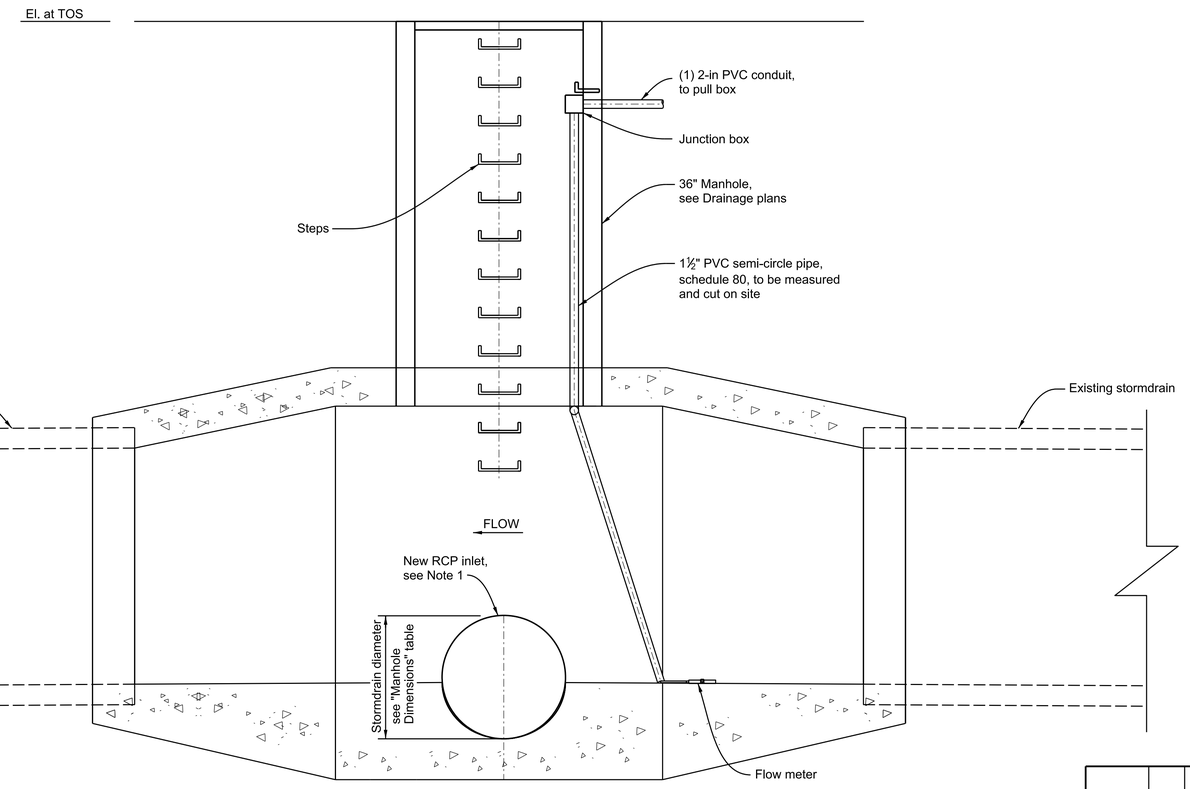
DETAIL "1", (M-1)
TYPICAL DIVERSION MANHOLE PRESSURE TRANSDUCER

SCALE: 3/4" = 1'-0"

DIVERSION MANHOLE DIMENSIONS			
Location	Existing Storm Drain Diameter, d	Invert El.	El. at TOS
Park - North West	33"	205.00	215.33
Park - South West	39"	201.00	209.80
Alley	45"	131.00	148.10

Notes:

1. New RCP Inlet:
   Park - North West = 24" RCP
   Park - South West = 24" RCP
   Alley = 24" RCP



SECTION A-A

SCALE: 3/4" = 1'-0"

DRAFTER J.Ung
DESIGNER J.Ung
CHECKER J. Almaraz
CADD PROJECT FILE NAME DES0002971 - Monteith Park Stormwater Capture Project

DATE	MARK	DESCRIPTION

REVISIONS

REGISTERED PROFESSIONAL ENGINEER
JAVIER ALMARAZ
M 39055
MECHANICAL
STATE OF CALIFORNIA

PROJECT ENGINEER 10/3/2022 DATE

M-3

LOS ANGELES COUNTY PUBLIC WORKS

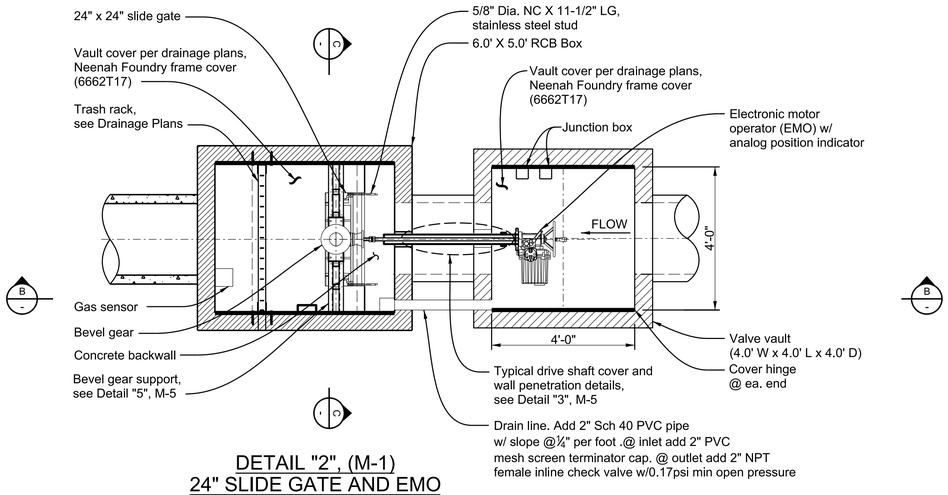
MONTEITH PARK STORMWATER CAPTURE PROJECT

PROJECT ID NO. SQW0000005

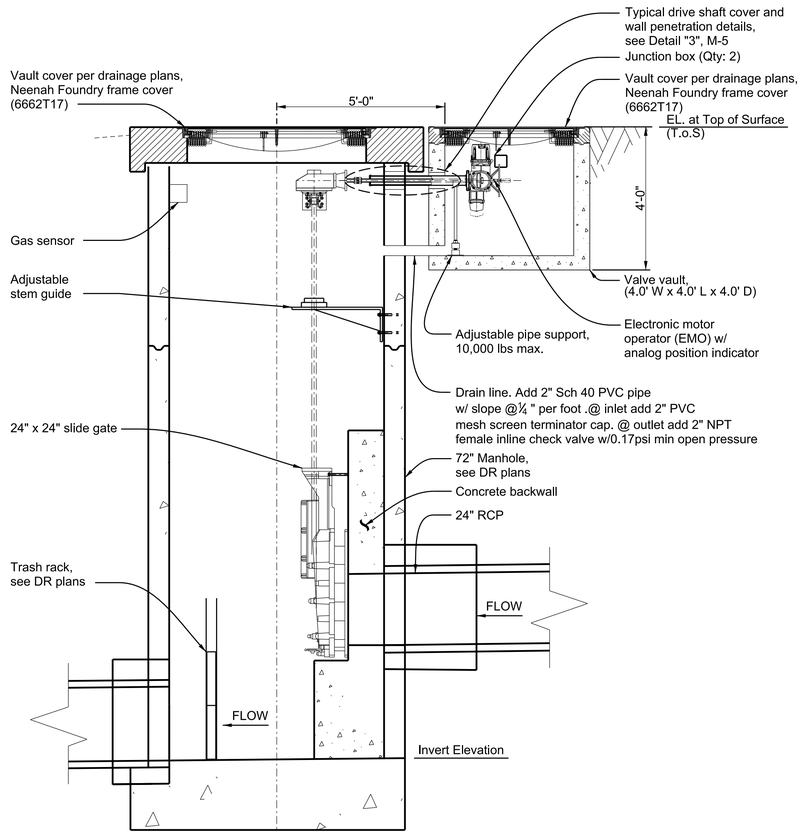
DIVERSION MANHOLE DETAIL

CAPITAL PROJECTS NO. CP-69813 | SHEET 3 OF 8

PLAN ME

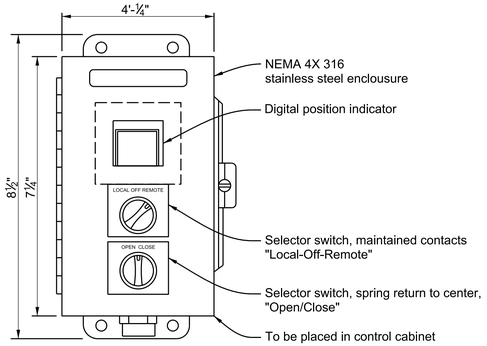


DETAIL "2", (M-1)
24" SLIDE GATE AND EMO
SCALE: 1/2" = 1'-0"

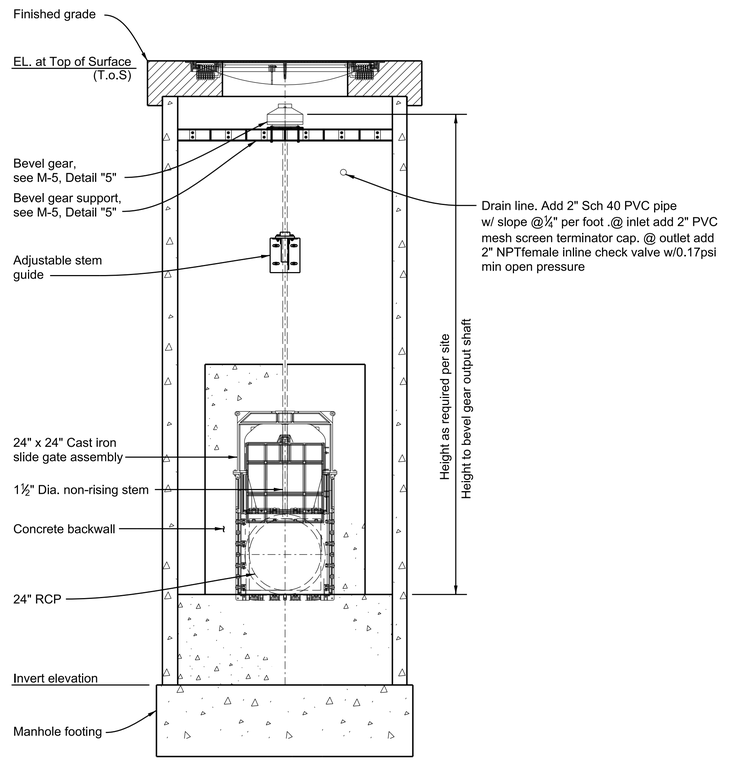


SECTION B-B
SCALE: 1/2" = 1'-0"

GATES AND ACCESSORIES										
Location	Gate Type	Gate Size	Qty.	Invert EL. (ft)	EL. at TOS (ft)	Gate Height (in)	Stem Dia. (in)	Drive Shaft Length (ft)	Min. Stem Guides	Max. Stem Guide Interval
Park - North West	Cast-iron slide gate	24"x24"	1	203.68	214.50	24	1.5	3.0	2.0	4.5
Park - South West	Cast-iron slide gate	24"x24"	1	202.75	211.20	24	1.5	3.0	2.0	4.5
Alley	Cast-iron slide gate	24"x24"	1	130.75	147.50	24	1.5	3.0	2.0	4.5



TYPICAL REMOTE CONTROLLER FOR EMO
SCALE: NOT TO SCALE



SECTION C-C
SCALE: 1/2" = 1'-0"

M-4

DRAFTER	DESIGNER	CHECKER	CADD PROJECT FILE NAME
J.Ung	J.Ung	J. Almaraz	DES0002971 - Monteith Park Stormwater Capture Project

DATE	MARK	DESCRIPTION

REVISIONS

REGISTERED PROFESSIONAL ENGINEER — JAVIER ALMARAZ — M 39055 — MECHANICAL — STATE OF CALIFORNIA

PROJECT ENGINEER — 10/3/2022 — DATE

LOS ANGELES COUNTY PUBLIC WORKS

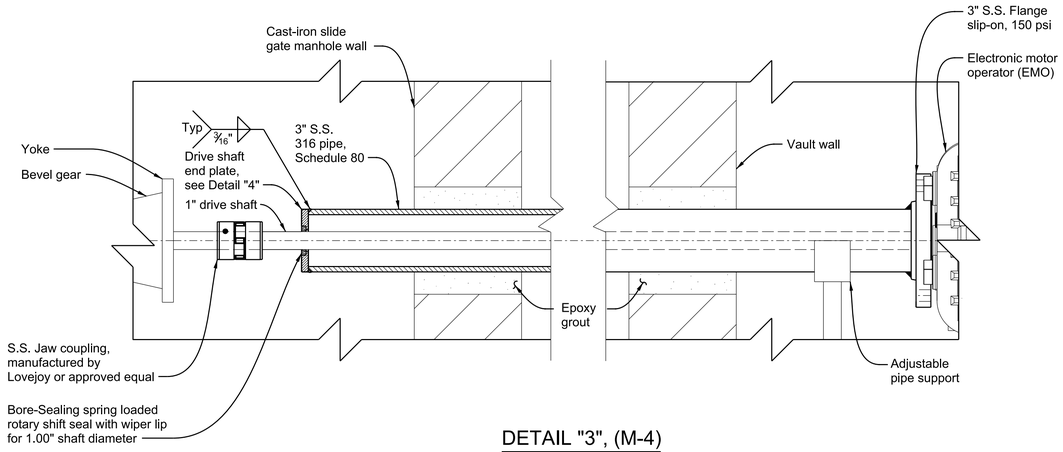
MONTEITH PARK STORMWATER CAPTURE PROJECT

PROJECT ID NO. SQW0000005

24" SLIDE GATE DETAILS

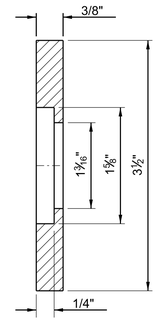
CAPITAL PROJECTS NO. CP-69813 | SHEET 4 OF 8

PLAN ME



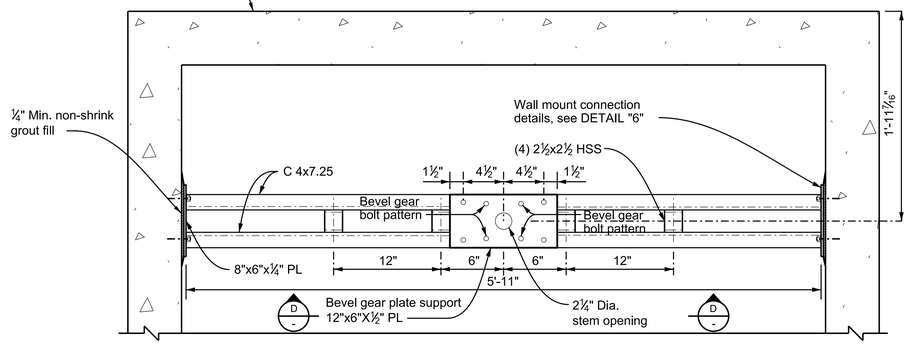
DETAIL "3", (M-4)
TYPICAL DRIVE SHAFT COVER AND WALL PENETRATION DETAIL

SCALE: 3" = 1'-0"



DETAIL "4"
DRIVE SHAFT COVER END PLATE DETAIL

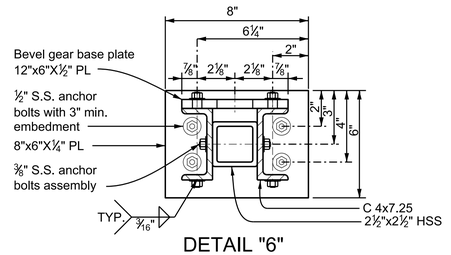
SCALE: FULL SIZE 1=1



** Bevel gear bolt pattern on plate support to be determined by Contractor*

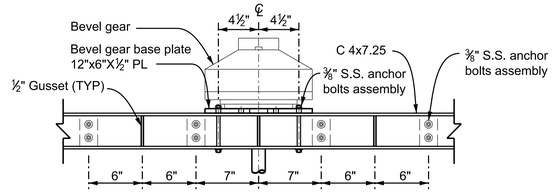
DETAIL "5", (M-4)
BEVEL GEAR SUPPORT

SCALE: 1 1/2" = 1'-0"



DETAIL "6"
BEVEL GEAR SUPPORT MOUNTING

SCALE: 3" = 1'-0"



SECTION D-D
BEVEL GEAR SUPPORT

SCALE: 1 1/2" = 1'-0"

DRAFTER	J.Ung
DESIGNER	J.Ung
CHECKER	J. Almaraz
CADD PROJECT FILE NAME	DES0002971 - Monteith Park Stormwater Capture Project

M-5

DATE	MARK	DESCRIPTION

REVISIONS

REGISTERED PROFESSIONAL ENGINEER — JAVIER ALMARAZ — M 39055 — MECHANICAL — STATE OF CALIFORNIA

PROJECT ENGINEER — 10/3/2022 DATE

LOS ANGELES COUNTY PUBLIC WORKS

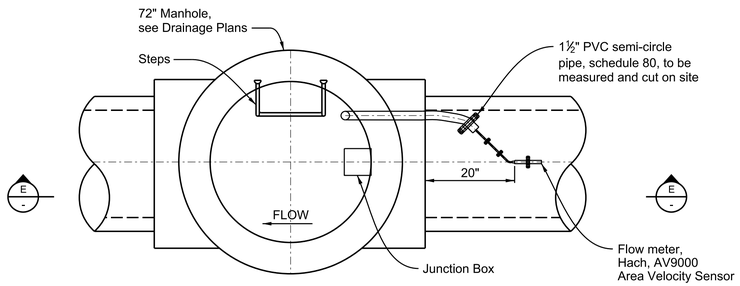
MONTEITH PARK STORMWATER CAPTURE PROJECT

PROJECT ID NO. SQW0000005

SLIDE GATE SUPPORT DETAILS

CAPITAL PROJECTS NO. CP-69813 | SHEET 5 OF 8

PLAN ME



DETAIL "7", (M-1)
INFLUENT MONITORING WELL

SCALE: 3/4" = 1'-0"

STANDARDS FOR WATER PIPELINE IDENTIFICATION - LA COUNTY DPH

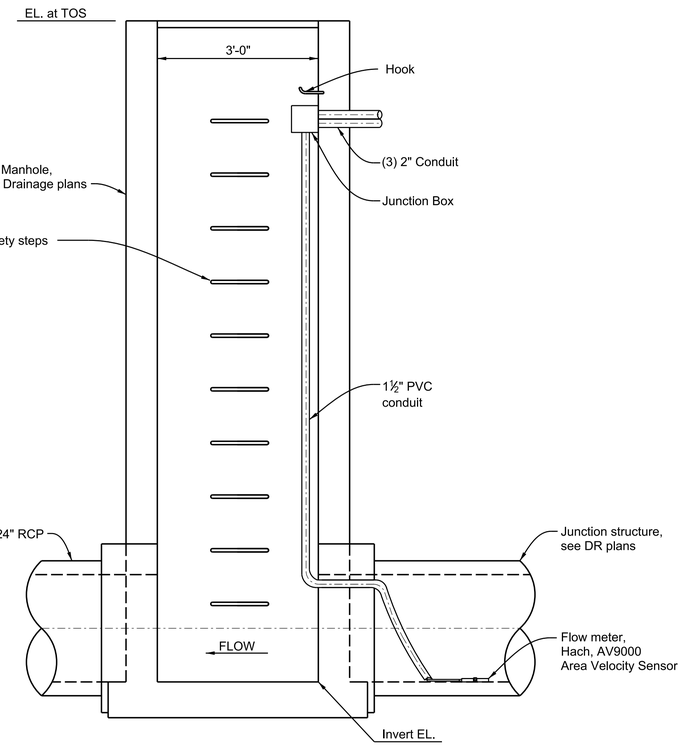
1. All new non-potable cistern and irrigation water main lines, valve boxes and appurtenances shall be identified to clearly distinguish between non-potable and potable water systems. Specific wording on identification tape shall be required. The following identification tape will be accompanied with respective tags of the same colors and wording for all valve boxes, vaults, control valves, quick couplers, outlets and related appurtenances, if applicable.

   A. POTABLE WATER All new potable water lines shall be installed in accordance with the Uniform Plumbing Code and all other governing codes, rules and regulations. Buried potable water lines shall be identified by continuous tape with lettering on three inch (3") minimum width BLUE tape with one-inch black lettering bearing the continuous wording "Potable Water". Identification tape shall be permanently affixed to the pipeline at five-foot intervals atop all horizontal piping, laterals and mains. Identification tape shall extend to all valve boxes and/or vaults, exposed piping and hydrants.

   B. NON-POTABLE WATER All new pressurized non-potable cistern and irrigation water lines shall be identified by continuous lettering on three inch (3") minimum width YELLOW tape with one inch black lettering bearing the continuous wording "Non-potable Irrigation Water - Do Not Drink"permanently affixed at five foot intervals atop all horizontal piping, laterals and mains. Identification tape shall extend to all valve boxes and/or vaults and exposed piping.

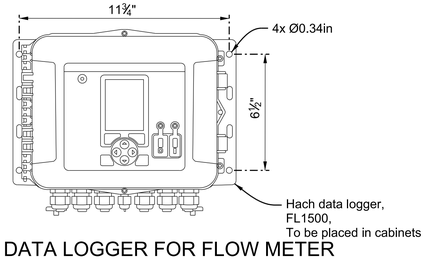
2. All water conveyance piping shall be inspected by a representative from the Cross-Connection & Water Pollution Control Program prior to back-filling for confirmation of proper identification and separation requirements.

MONITORING WELL AND ACCESSORIES			
Location	Monitoring Well	Invert EL. (ft)	EL. at TOS (ft)
Park - LINE A	Influent	203.40	212.25
	Effluent	203.00	213.00
Alley	Influent	131.85	145.26
	Effluent	131.70	144.52



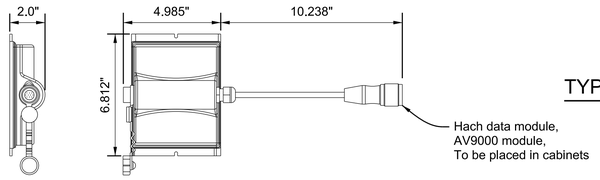
SECTION E-E

SCALE: 3/4" = 1'-0"



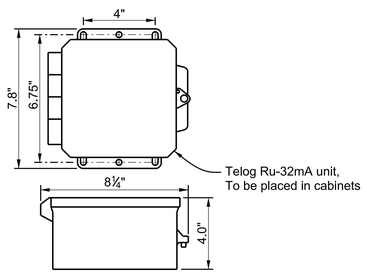
TYPICAL DATA LOGGER FOR FLOW METER

SCALE: NOT TO SCALE



TYPICAL DATA MODULE FOR FLOW METER

SCALE: NOT TO SCALE



TYPICAL TELEMETRY UNIT FOR FLOW METER

SCALE: NOT TO SCALE

DRAFTER	DESIGNER	CHECKER	CADD PROJECT FILE NAME
J.Ung	J.Ung	J. Almaraz	DES0002971 - Monteith Park Stormwater Capture Project

M-6

DATE	MARK	DESCRIPTION
		REVISIONS

REGISTERED PROFESSIONAL ENGINEER — JAVIER ALMARAZ — M 39055 MECHANICAL — MECHANICAL — STATE OF CALIFORNIA

PROJECT ENGINEER 10/3/2022 DATE

LOS ANGELES COUNTY PUBLIC WORKS

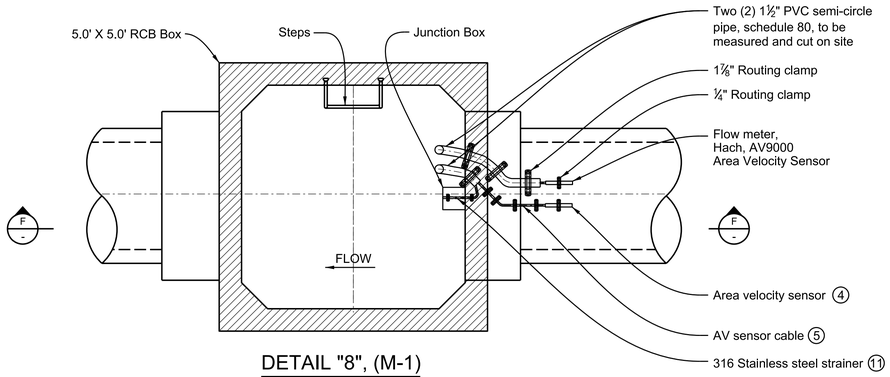
MONTEITH PARK STORMWATER CAPTURE PROJECT

PROJECT ID NO. SQW0000005

MONITORING WELL INSTRUMENTATION
LINE A

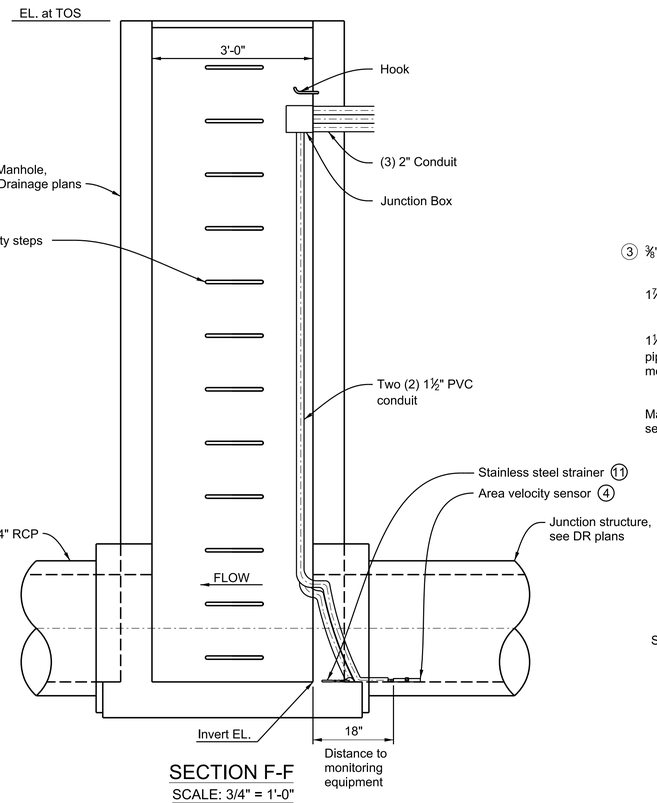
CAPITAL PROJECTS NO. CP-69813 | SHEET 6 OF 8

PLAN ME



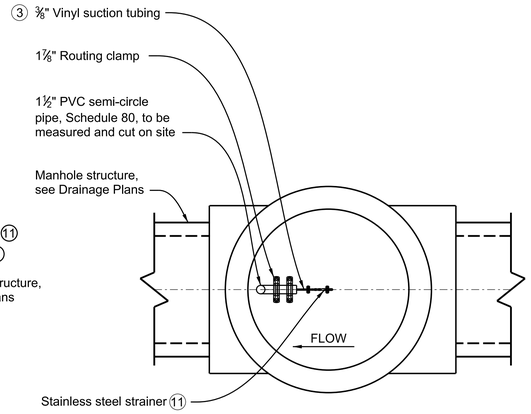
DETAIL "8", (M-1)
INFLUENT MONITORING WELL

SCALE: 3/4" = 1'-0"



SECTION F-F

SCALE: 3/4" = 1'-0"



DETAIL "9", (M-1)
EFFLUENT MONITORING WELL

SCALE: 3/4"=1'-0"

MONITORING WELL EQUIPMENT AND ACCESSORIES

Item no.	Description	Quantity	Remarks
(1)	Cabinet (42"Hx48"Wx32"D or equivalent)	1	TBD
(2)	AS 950 Portable sampel with standard base, Sens, Rain, 115V, 2.5 Gal (glass)	2	Hach
(3)	Vinyl Sampling Tubing⅜(100ft) (Need to remeasure the actual distance)	2	Hach
(4)	Sensor assy, oil filed AV probe (Flowmeter only for non standard length, max standard is 100ft)	1	Hach
(5)	AV sensor cable $4.45/ft (max 250 ft) (Need to remeasure the actual distance)	250	Hach
(6)	Mounting Band 24in Diameter (depend the size of the pipe)	1	Hach
(7)	AV9000 analyzer module	1	Hach
(8)	AV9000S to Port Hardware Kit	1	Hach
(9)	I/0 9004 Module	1	Hach
(10)	Aux cable 9ft	1	Hach
(11)	316 Stainless steel strainer	2	Hach
	MISCELLANEOUS/GENERAL ITEMS		
(12)	Composit 2.5 gal glass container w/ cap	2	Hach
(13)	12 V Battery with 3 pins	2	Hach
(14)	Suspension harness	2	Hach
(15)	Manhole bracket 28-48 inches	2	Hach
(16)	External battery cable 12V marine	2	Hach
(17)	1.5-lb Refill Bottle of Desiccant	1	Hach

* Equipment not shown on Mechanical plans are shown on Electrical plans

STANDARDS FOR WATER PIPELINE IDENTIFICATION - LA COUNTY DPH

1. All new non-potable cistern and irrigation water main lines, valve boxes and appurtenances shall be identified to clearly distinguish between non-potable and potable water systems. Specific wording on identification tape shall be required. The following identification tape will be accompanied with respective tags of the same colors and wording for all valve boxes, vaults, control valves, quick couplers, outlets and related appurtenances, if applicable.

   A. POTABLE WATER All new potable water lines shall be installed in accordance with the Uniform Plumbing Code and all other governing codes, rules and regulations. Buried potable water lines shall be identified by continuous tape with lettering on three inch (3") minimum width BLUE tape with one-inch black lettering bearing the continuous wording "Potable Water". Identification tape shall be permanently affixed to the pipeline at five-foot intervals atop all horizontal piping, laterals and mains. Identification tape shall extend to all valve boxes and/or vaults, exposed piping and hydrants.

   B. NON-POTABLE WATER All new pressurized non-potable cistern and irrigation water lines shall be identified by continuous lettering on three inch (3") minimum width YELLOW tape with one inch black lettering bearing the continuous wording "Non-potable Irrigation Water - Do Not Drink" permanently affixed at five foot intervals atop all horizontal piping, laterals and mains. Identification tape shall extend to all valve boxes and/or vaults and exposed piping.

2. All water conveyance piping shall be inspected by a representative from the Cross-Connection & Water Pollution Control Program prior to back-filling for confirmation of proper identification and separation requirements.

MONITORING WELL AND ACCESSORIES

Location	Monitoring Well	Invert EL. (ft)	EL. at TOS (ft)
Park - LINE B	Influent	200.50	214.50
	Effluent	200.10	214.00

CADD PROJECT FILE NAME: DES0002971 - Monteith Park Stormwater Capture Project
CHECKER: J. Almaraz
DESIGNER: J.Ung
DRAFTER: J.Ung

M-7

DATE	MARK	DESCRIPTION

REVISIONS

REGISTERED PROFESSIONAL ENGINEER — JAVIER ALMARAZ — M 39055 MECHANICAL — STATE OF CALIFORNIA

PROJECT ENGINEER — 10/3/2022 DATE

LOS ANGELES COUNTY PUBLIC WORKS

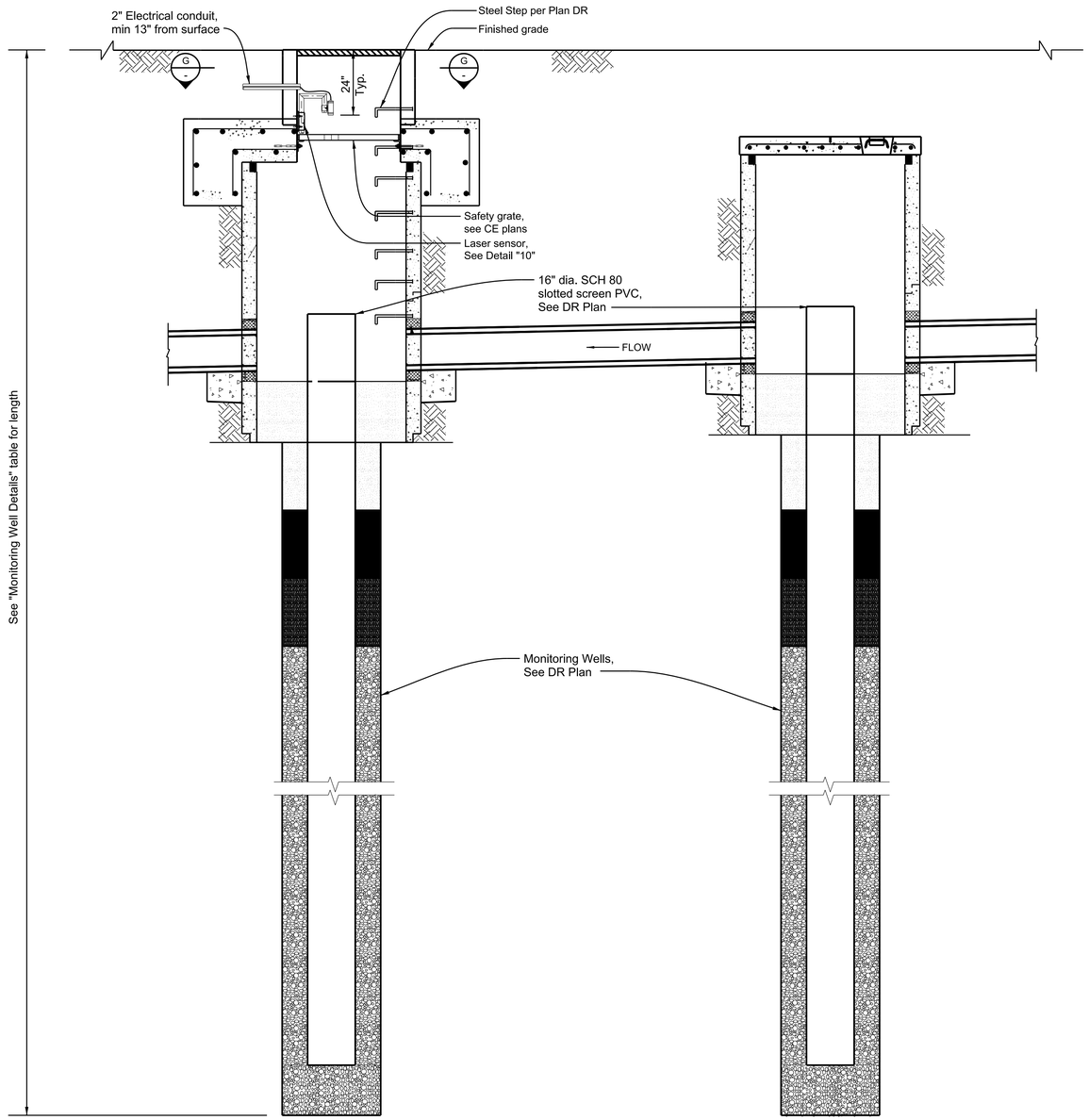
MONTEITH PARK STORMWATER CAPTURE PROJECT

PROJECT ID NO. SQW0000005

MONITORING WELL INSTRUMENTATION LINE B

CAPITAL PROJECTS NO. CP-69813 | SHEET 7 OF 8

PLAN ME



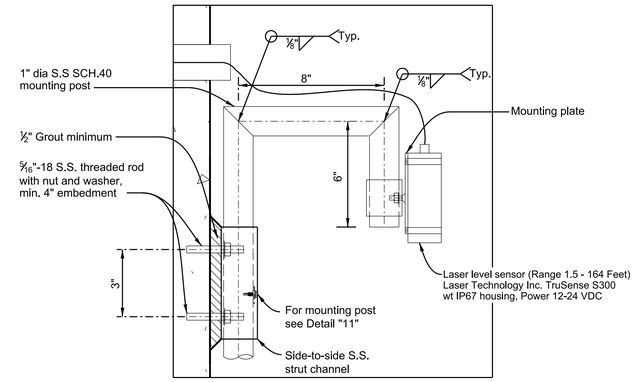
CASE 1 CASE 2

TYPICAL MONITORING WELLS TRANSDUCER INSTALLATIONS

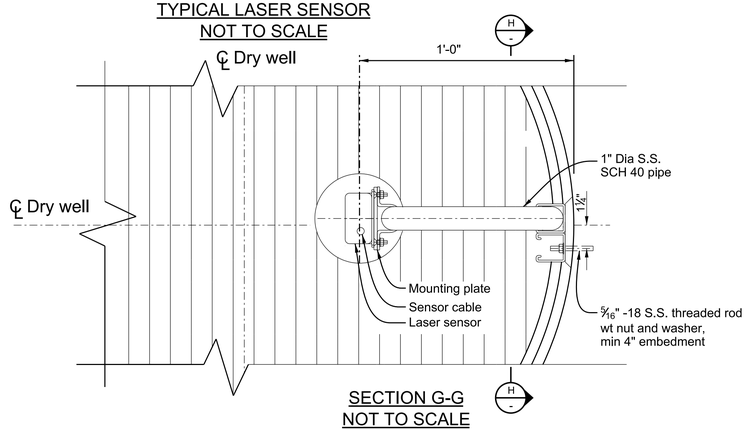
SCALE: NOT TO SCALE

Monitoring Well Details

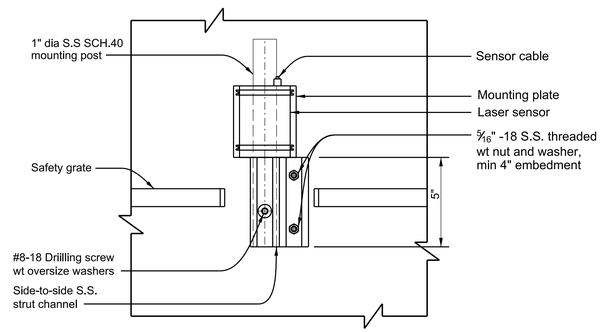
Monitoring wells	Top of Surface (T.O.S.)	Bottom of Structure	Depth (ft)
A1	215.00	115.00	100
A4	213.90	113.90	100
C1	213.00	113.00	100
C4	212.50	112.50	100
D2	143.10	43.10	100



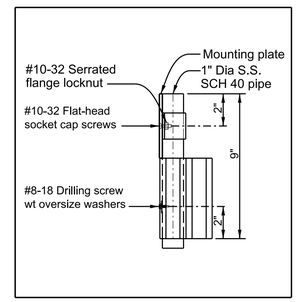
DETAIL "10"
TYPICAL LASER SENSOR
NOT TO SCALE



SECTION G-G
NOT TO SCALE



SECTION H-H
SCALE : 3" = 1'-0"



DETAIL "11"
SCALE : 3" = 1'-0"

CADD PROJECT FILE NAME DES0002971 - Monteith Park Stormwater Capture Project
CHECKER J. Almaraz
DESIGNER J.Ung
DRAFTER J.Ung

M-8

DATE	MARK	DESCRIPTION

REVISIONS

REGISTERED PROFESSIONAL ENGINEER JAVIER ALMARAZ M 39055 MECHANICAL STATE OF CALIFORNIA

PROJECT ENGINEER 10/3/2022 DATE

LOS ANGELES COUNTY PUBLIC WORKS

MONTEITH PARK STORMWATER CAPTURE PROJECT

PROJECT ID NO. SQW0000005

MONITORING AND DRY WELL
LASER SENSOR DETAILS

CAPITAL PROJECTS NO. CP-69813 | SHEET 8 OF 8

PLAN ME

LEGEND

SYMBOL	ABBR.	DESCRIPTION
W	W	WATER
S	S	SEWER
T	T	TELECOMMUNICATION
	FLOW	DIRECTION OF FLOW
	CAP	CAP OFF
	CHK	CHECK VALVE
PB	PB	PULL BOX
	POC	POINT OF CONNECTION
	POD	POINT OF DISCONTINUATION
	PRV	PRESSURE REDUCING VALVE
	QD	QUICK DISCONNECT
	RCV	REMOTE CONTROL VALVE
	RD	REDUCER
	RPZ	REDUCED PRESSURE BACKFLOW PREVENTER
	SOV OR GV	SHUT-OFF VALVE OR GATE VALVE
FM		FLOW METER
	WHA	WATER HAMMER ARRESTOR
	DEMO	DEMOLITION LIMITS
	ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
	CPC	CALIFORNIA PLUMBING CODE
	CPVC	CHLORINATED POLYVINYL CHLORIDE
	DIA	DIAMETER
	DPH	DEPARTMENT OF PUBLIC HEALTH
	EXST	EXISTING
	GPM	GALLONS PER MINUTE
	LG	LONG
	NPT	NATIONAL PIPE THREAD
	NSF	NATIONAL SCIENCE FOUNDATION
	PVC	POLYVINYL CHLORIDE
	PSI	POUNDS PER SQUARE INCH
	SCH	SCHEDULE
	SS	STAINLESS STEEL
	TYP	TYPICAL

GENERAL NOTES AND SPECIFICATIONS

1 FURNISH ALL LABOR, SUPERVISION, MATERIALS, EQUIPMENT & FACILITIES NECESSARY TO FURNISH, FABRICATE, DELIVER, STORE & INSTALL ALL WORK NOTED ON THE DRAWINGS AND/OR SPECIFIED HEREIN.

2 WORKMANSHIP : THE WORK SHALL BE ACCOMPLISHED IN A THOROUGH & WORKMANLIKE MANNER SATISFACTORY TO AND MEETING THE APPROVAL OF THE ARCHITECT.

3 MATERIALS : ALL MATERIALS, APPLIANCES & EQUIPMENT SHALL BE NEW & THE BEST OF THEIR RESPECTIVE KIND, FREE FROM ALL DEFECTS AND OF THE MAKE, BRAND AND QUALITY SPECIFIED.

4 SITE INSPECTION : CONTRACTOR SHALL VISIT THE SITE OF WORK PRIOR TO SUBMISSION OF HIS BID AND THOROUGHLY FAMILIARIZE HIMSELF WITH THE WORKING CONDITIONS AND EXACT NATURE OF THE WORK. SUBMISSION OF A BID ACKNOWLEDGES FULL RESPONSIBILITY FOR FURNISHING A COMPLETE & FUNCTIONAL SYSTEM. NO CHANGES IN CONTRACT WILL BE MADE TO ACCOMMODATE OR ALLOW EXTRA FUNDING FOR ANY OMISSIONS WHICH RESULTS FROM A FAILURE TO THOROUGHLY MAKE THE EXAMINATION.

5 CODES AND PERMITS : ALL PLUMBING FIXTURES/EQUIPMENT, INSTALLATION, ETC. SHALL CONFORM TO ALL APPLICABLE CALIFORNIA CURRENT CODES AND ORDINANCES, INCLUDING CALIFORNIA TITLE 24. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS AND INSPECTIONS.

6 AS-BUILT : CONTRACTOR SHALL PROVIDE A COMPLETE SET OF AS-BUILT TRANSPARENCIES WITH ALL CHANGES NOTED THEREON AT THE COMPLETION OF THE PROJECT.

7 GUARANTEE : CONTRACTOR SHALL UNCONDITIONALLY GUARANTEE ALL LABOR AND MATERIAL ON ALL WORK AGAINST DEFECTS IN WORKMANSHIP & MATERIALS FOR A PERIOD OF 1 YEAR.

8 SUBMITTALS : CATALOG INFORMATION & CUTS OF ALL EQUIPMENT AND DEVICES SHALL BE SUBMITTED FOR REVIEW (SIX COPIES OF EACH).

9 COORDINATION : THE DRAWINGS ARE DIAGRAMMATIC & INTENDED TO SHOW SCOPE. CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHER TRADES TO PROVIDE THE BEST ARRANGEMENT OF ALL DUCT, PIPES, CONDUIT, STRUCTURE, ETC.

10 CUTTING AND PATCHING : ALL CUTTING & PATCHING OF THE EXISTING STRUCTURE SHALL BE PROVIDED UNDER OTHER SECTIONS OF THE WORK. PROVIDE ALL NECESSARY REQUIREMENTS TO THE PROJECT SUPERINTENDENT.

11 CLEANUP : UPON COMPLETION OF THE WORK UNDER THIS SECTION THE CONTRACTOR SHALL REMOVE ALL SURPLUS MATERIALS, EQUIPMENT & DEBRIS INCIDENTAL TO THIS WORK AND LEAVE THE PREMISES CLEAN AND ORDERLY.

12 HOT AND COLD WATER PIPING SHALL BE TYPE "L" HARD DRAWN COPPER TUBING WITH WROUGHT COPPER FITTINGS. BRAZE ALL JOINTS WITH HARRIS STAY-SILV-O-LEAD-FREE BRAZING ALLOY. UNLESS APPROVED OTHERWISE.

13 SLOPE ALL CONDENSATE DRAIN LINES AT 1%.

14 LOCATIONS OF EXISTING UTILITIES SHOWN ARE APPROXIMATE. CONTRACTOR SHALL VERIFY EXACT LOCATIONS AND DEPTHS OF EXISTING UTILITIES PRIOR TO STARTING WORK OF THIS SECTION. MAKE REQUIRED ADJUSTMENTS TO CONNECT TO EXISTING UTILITIES. IF INDICATED POINTS OF CONNECTION CANNOT BE MADE TO EXISTING UTILITIES AS FOUND, THE CONTRACTOR SHALL, BEFORE CONTINUING, NOTIFY THE ENGINEER PRIOR TO INSTALLING ANY WORK WHICH MAY BE AFFECTED.

15 IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO VERIFY AVAILABLE SPACES FOR INSTALLING THE WORK.

16 VALVES SHALL BE NIBCO, JENKINS, WALWORTH, STOCKHAM OR EQUAL. SERVICE PRESSURE SHALL BE SUITABLE FOR SERVICE INTENDED.

17 CONTRACTOR SHALL AFFIX A MAINTENANCE LABEL TO ALL EQUIPMENT REQUIRING ROUTINE MAINTENANCE AND SHALL PROVIDE THREE COPIES OF MAINTENANCE AND OPERATING MANUALS TO THE OWNER.

18 CONTRACTOR SHALL ARRANGE FOR AND PAY FOR ALL UTILITY METERS AND UTILITY CONNECTIONS AND PERMITS. CONTRACTOR SHALL COORDINATE, APPLY FOR ANY APPLICABLE PERMITS, AND INSTALL WATER SERVICE TAPS AND SERVICE LINES UNDER THE DIRECTION AND STANDARDS OF CALIFORNIA AMERICAN WATER

19 ACCESSIBLE WATER HAMMER ARRESTERS SHALL BE INSTALLED FOR QUICK-ACTING VALVES. LOCATION AND METHOD OF INSTALLATION SHALL COMPLY WITH THE MANUFACTURER'S RECOMMENDATION.

20 ALL FIXTURES, EQUIPMENT, PIPING, AND MATERIALS SHALL MEET NSF/ANSI 61 STANDARDS.

21 ALL PLUMBING FIXTURES SHALL MEET THE FLOW REQUIREMENTS SPECIFIED IN THE CAL GREEN BUILDING CODE.

22 WATER PIPE AND FITTING WITH A LEAD CONTENT WHICH EXCEEDS 0.25% SHALL BE PROHIBITED IN SYSTEMS CONVEYING POTABLE WATER.

23 THE PRESSURE REGULATING VALVE (PRV) SHALL BE INSTALLED ABOVE GRADE OR FINISHED FLOOR. THE PRV SHALL NOT BE INSTALLED IN A PIT WHERE IT CAN BECOME SUBMERGED IN WATER.

24 THE REDUCED PRESSURE BACK FLOW DEVICE (RP) SHALL BE INSTALLED AT LEAST 12 INCHES ABOVE GRADE OR FINISHED FLOOR. THE RP SHALL NOT BE INSTALLED IN A PIT WHERE IT CAN BECOME SUBMERGED IN WATER.

25 NEW OR REPAIRED POTABLE WATER SYSTEMS ARE REQUIRED TO BE DISINFECTED BY CHLORINATION. 2019 CPC SECTION 609.9 (2).

26 BACTERIOLOGICAL TESTING OF POTABLE WATER SYSTEM REQUIRED TO BE PERFORMED BY AN INDEPENDENT THIRD PARTY TESTING LABORATORY, 2019 CPC SEC. 609.9 (4).

APPLICABLE CODES

2019 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R.
(2021 UNIFORM PLUMBING CODE AND 2016 CALIFORNIA AMENDMENTS)

2016 NSF/ANSI 61 DRINKING WATER SYSTEM COMPONENTS

2018 NSF/ANSI 372 TECHNICAL REQUIREMENTS

CALIFORNIA HEALTH AND SAFETY CODE ARTICLE 4 - LEAD MATERIALS

STANDARDS FOR WATER PIPELINE IDENTIFICATION - LA COUNTY DPH

All new water lines, valve boxes and appurtenances shall be identified to clearly distinguish between irrigation and potable water liness. Specific wording on identification tape shall be required. The following identification tape will be accompanied with respective tags of the same colors and wording for all valve boxes, vaults, control valves, quick couplers, outlets and related appurtenances, if applicable.

A. POTABLE WATER All new potable water lines shall be installed in accordance with the Uniform Plumbing Code and all other governing codes, rules and regulations. Buried potable water lines shall be identified by continuous tape with lettering on three inch (3") minimum width GREEN tape with one-inch WHITE lettering bearing the continuous wording "Potable". Identification tape shall be permanently affixed to the pipeline at five-foot intervals atop all horizontal piping, laterals and mains. Identification tape shall extend to all valve boxes and/or vaults, exposed piping and hydrants.

B. IRRIGATION WATER All new pressurized irrigation water lines shall be identified by continuous lettering on three inch (3") minimum width GREEN tape with one inch WHITE lettering bearing the continuous wording "Irrigation"permanently affixed at five foot intervals atop all horizontal piping, laterals and mains. Identification tape shall extend to all valve boxes and/or vaults and exposed piping.

FLOW RATES

SYSTEM	WATER USE DESIGN FLOW RATE
IRRIGATION PLAN	25 GPM @ 80 PSI
PLUMBING PLAN	40PSI

CADD PROJECT FILE NAME: DES0002971 - Monteith Park Stormwater Capture Project
CHECKER: J. Almaraz
DESIGNER: J.Ung
DRAFTER: J.Ung

DATE	MARK	DESCRIPTION

REVISIONS

REGISTERED PROFESSIONAL ENGINEER — JAVIER ALMARAZ — M 39055 — MECHANICAL — STATE OF CALIFORNIA

PROJECT ENGINEER 10/3/2022 DATE

LOS ANGELES COUNTY PUBLIC WORKS

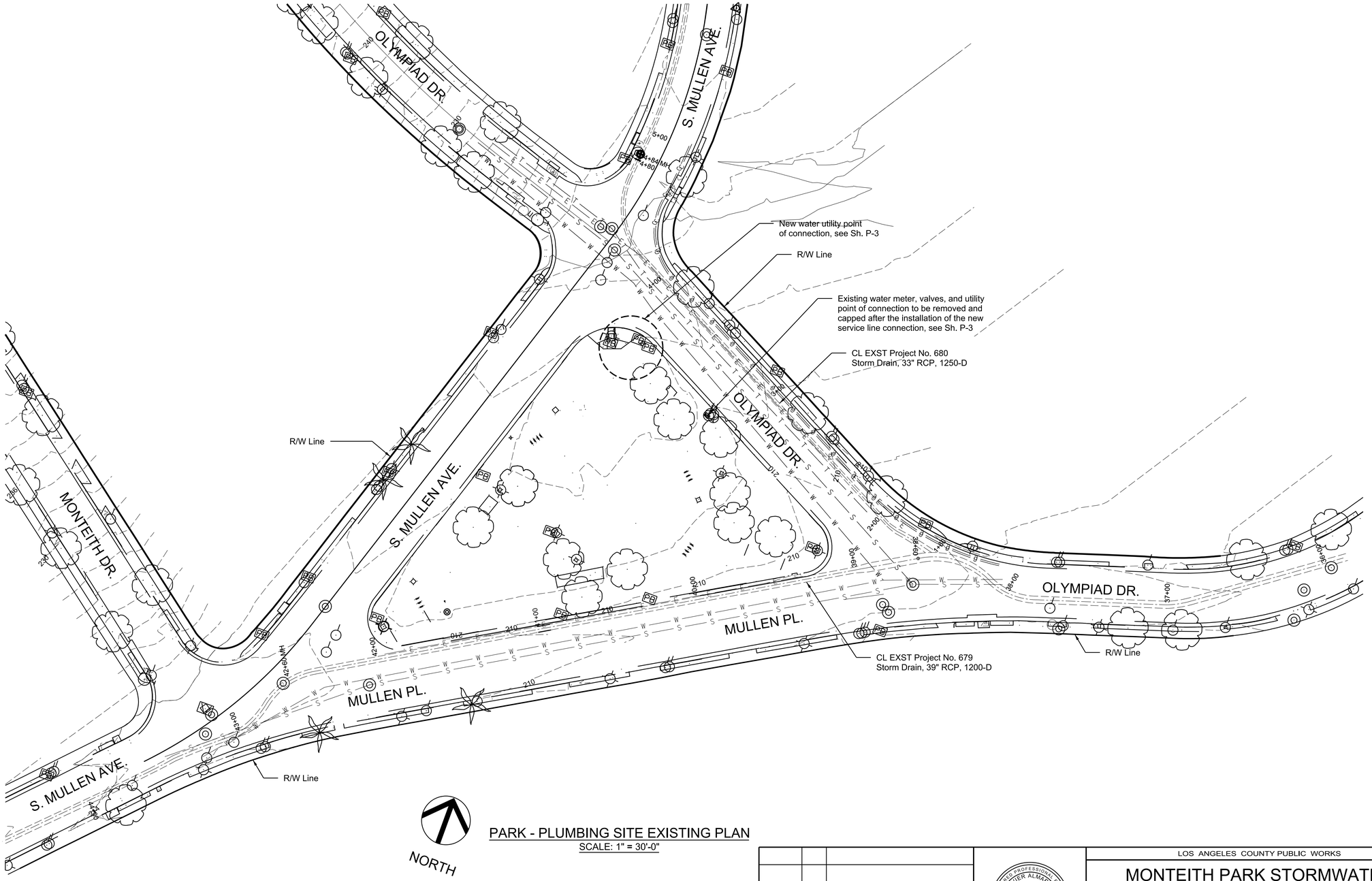
MONTEITH PARK STORMWATER CAPTURE PROJECT

PROJECT ID NO. SQW0000005
PLUMBING APPLICABLE CODES AND LEGEND

CAPITAL PROJECTS NO. CP-69813 | SHEET 1 OF 3

P-1

PLAN P



PARK - PLUMBING SITE EXISTING PLAN
SCALE: 1" = 30'-0"

DRAFTER J.Ung
DESIGNER J.Ung
CHECKER J. Almaraz
CADD PROJECT FILE NAME DES0002971 - Monteith Park Stormwater Capture Project

DATE	MARK	DESCRIPTION

REVISIONS

REGISTERED PROFESSIONAL ENGINEER JAVIER ALMARAZ M 39055 MECHANICAL STATE OF CALIFORNIA

PROJECT ENGINEER 10/3/2022 DATE

P-2

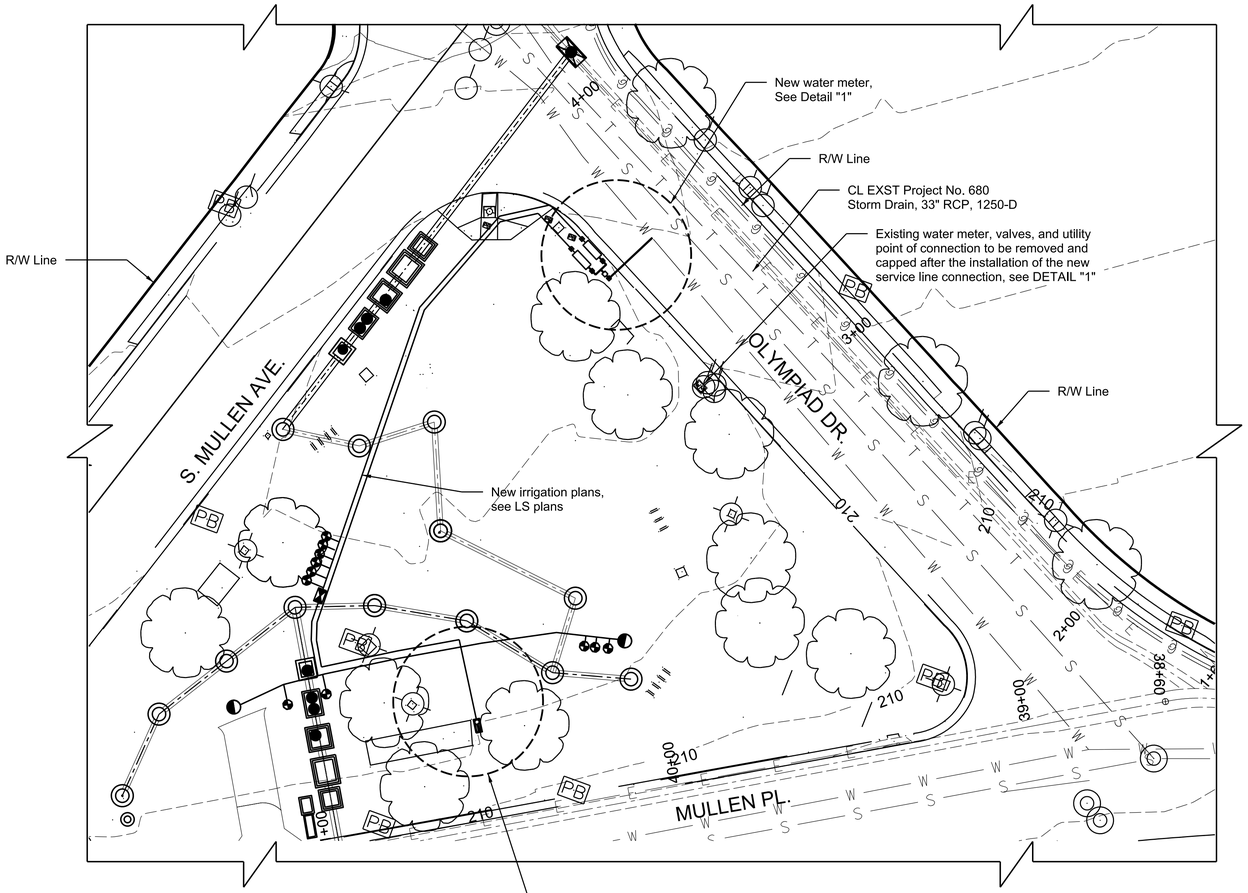
LOS ANGELES COUNTY PUBLIC WORKS

MONTEITH PARK STORMWATER CAPTURE PROJECT

PROJECT ID NO. SQW0000005
PLUMBING SITE EXISTING PLAN

CAPITAL PROJECTS NO. CP-69813 | SHEET 2 OF 3

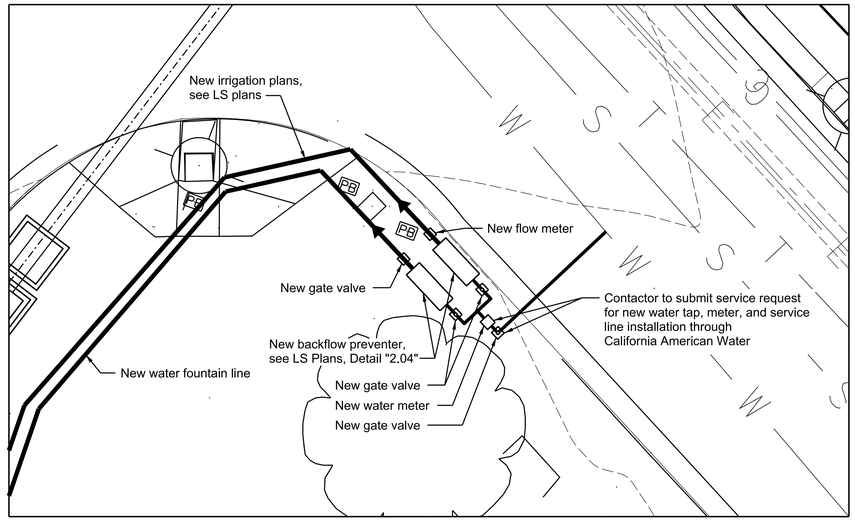
PLAN P



NORTH

PARK - PLUMBING SITE PROPOSED PLAN

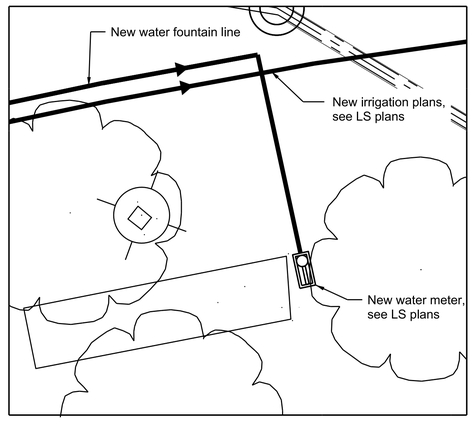
SCALE: 1" = 20'



NORTH

DETAIL "1"

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



NORTH

DETAIL "2"

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

DRAFTER J.Ung

DESIGNER J.Ung

CHECKER J. Almaraz

CADD PROJECT FILE NAME DES0002971 - Monteith Park Stormwater Capture Project

DATE	MARK	DESCRIPTION

REVISIONS

REGISTERED PROFESSIONAL ENGINEER
JAVIER ALMARAZ
M 39055
MECHANICAL
STATE OF CALIFORNIA

PROJECT ENGINEER 10/3/2022 DATE

LOS ANGELES COUNTY PUBLIC WORKS

MONTEITH PARK STORMWATER CAPTURE PROJECT

PROJECT ID NO. SQW0000005

PLUMBING SITE PROPOSED PLAN

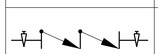
CAPITAL PROJECTS NO. CP-69813

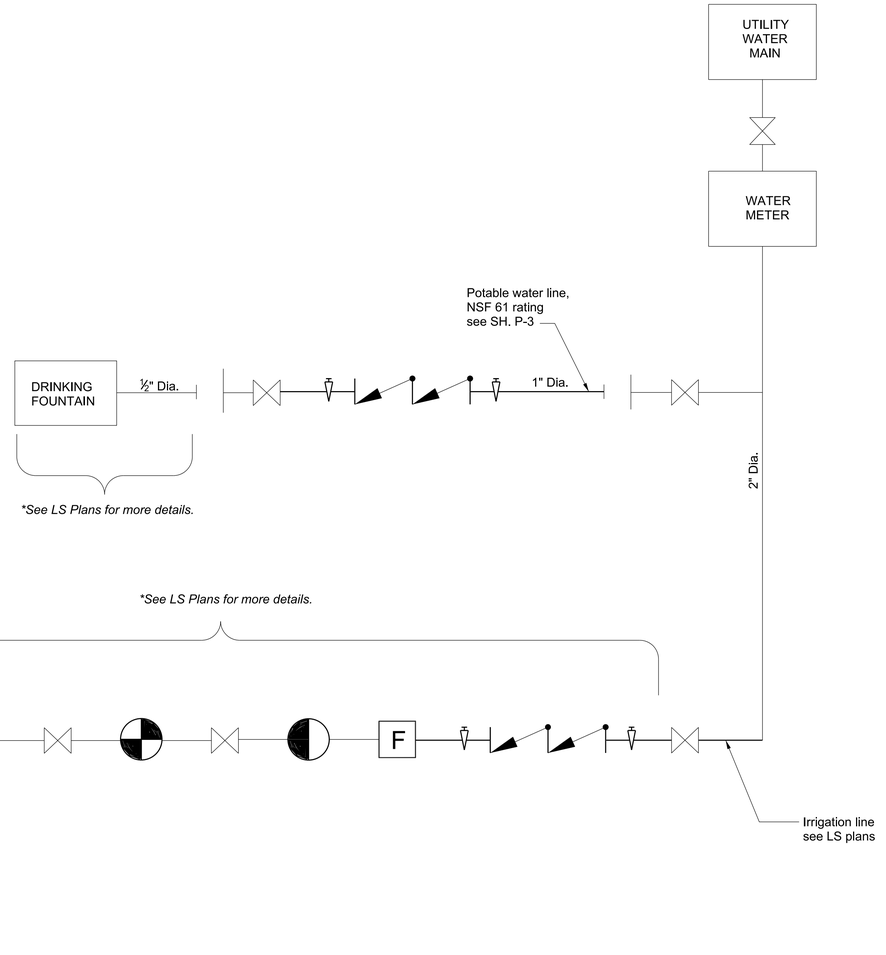
SHEET 3 OF 3

P-3

PLAN P

P&ID LEGEND

Symbol	Description
	Gate Valve
	Reducer
	Reduced Backflow Preventer
	Flow Meter
	Quick Disconnect
	Remote Control Valve



CADD PROJECT FILE NAME	DES0002971 - Monteith Park Stormwater Capture Project
CHECKER	J. Almaraz
DESIGNER	J.Ung
DRAFTER	J.Ung

P-3

DATE	MARK	DESCRIPTION

REVISIONS

REGISTERED PROFESSIONAL ENGINEER — JAVIER ALMARAZ — M 39055 — MECHANICAL — STATE OF CALIFORNIA

PROJECT ENGINEER 10/3/2022 DATE

LOS ANGELES COUNTY PUBLIC WORKS

MONTEITH PARK STORMWATER CAPTURE PROJECT

PROJECT ID NO. SQW0000005
SCHEMATIC DIAGRAM

CAPITAL PROJECTS NO. CP-69813 | SHEET 3 OF 3

PLAN P

GENERAL NOTES:

1. ALL SIGNS, DELINEATORS, BARRICADES, ETC. SHALL CONFORM TO THE STATE OF CALIFORNIA STANDARD SPECIFICATIONS (2018) AND TO THE STATE OF CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CA MUTCD) 2014, REVISION 6.
2. EACH ADVANCE WARNING SIGN SHALL BE EQUIPPED WITH AT LEAST TWO FLAGS FOR DAYTIME CLOSURE. EACH FLAG SHALL BE AT LEAST 16"X16" IN SIZE AND SHALL BE ORANGE OR FLUORESCENT RED-ORANGE IN COLOR. FLASHING BEACON SHALL BE PLACED AT THE LOCATIONS INDICATED FOR LANE CLOSURE DURING HOURS OF DARKNESS.
3. THE AGENCY RESERVES THE RIGHT TO OBSERVE THESE TRAFFIC CONTROL PLANS IN USE AND TO MAKE THE NECESSARY CHANGES AS FIELD CONDITIONS WARRANT. ANY CHANGES SHALL SUPERSEDE THESE PLANS.
4. THE CONTRACTOR SHALL NOTIFY ANY AFFECTED TRANSIT SERVICES, FIRE, AND POLICE SERVING THE AREA AT LEAST 14 DAYS PRIOR TO EACH CONSTRUCTION STAGE.
5. THE CONTRACTOR SHALL PROVIDE FLAGGERS AS NECESSARY TO GIVE ADEQUATE WARNING TO ROAD USERS OF ANY CHANGED FIELD CONDITIONS TO BE ENCOUNTERED.
6. ALL TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE SAND BAGGED IN PLACE OR DOBLE BASED FOR PROTECTION AGAINST THE WIND.
7. ALL TRAFFIC CONTROL SIGNS INSTALLED IN SIDEWALK AREAS SHALL EITHER BE SECURED TO AN EXISTING STREET LIGHT STANDARD OR PLACED ON A SEPARATE POST WITH A MINIMUM 7' CLEARANCE TO THE BOTTOM OF THE SIGN.
8. ALL FLASHING ARROW SIGNS SHALL BE SOLAR POWERED.
9. ALL SIGNS SHALL BE RETRO-REFLECTIVE AND STANDARD SIZE.
10. THE CONTRACTOR MUST SET-UP AND TEAR DOWN TRAFFIC CONTROL DEVICES DAILY.
11. THE CONTRACTOR SHALL PROVIDE ALL CONSTRUCTION SIGNING, BARRICADING, DELINEATORS, FLASHING ARROW SIGN, AND CHANGEABLE MESSAGE SIGN AS SHOWN ON PLANS.
12. MAINTAIN A MINIMUM 2 FT BUFFER BETWEEN THE WORK AREA AND TRAVEL LANE.
13. ALL TRAFFIC LANES SHALL HAVE A MINIMUM OF 5 FEET CLEARANCE FROM OPEN EXCAVATIONS AND A MINIMUM OF 2 FEET FROM VERTICAL OBSTRUCTIONS.
14. ALL TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE REMOVED FOLLOWING COMPLETION OF EACH CONSTRUCTION STAGE AND THE PERMANENT TRAFFIC CONTROL DEVICES SHALL BE RESTORED BY THE CONTRACTOR UPON REMOVAL OF TEMPORARY TRAFFIC CONTROL DEVICES, INCLUDING TEMPORARY STRIPING AND PAVEMENT MARKINGS.
15. THE CONTRACTOR SHALL POST UNEVEN PAVEMENT MARKING SIGNS AND RAMP VERTICAL PAVEMENT OFFSET OF 1 INCH OR MORE WITH ASPHALT FOR SMOOTH TRANSITION.
16. THE CONTRACTOR SHALL COORDINATE WITH LOS ANGELES COUNTY, PUBLIC WORKS, TRAFFIC SAFETY AND MOBILITY DIVISION, TRAFFIC SYSTEM SECTION, FOR ANY TEMPORARY TRAFFIC SIGNAL TIMING MODIFICATIONS WITHIN LOS ANGELES COUNTY JURISDICTION.
17. EXACT LOCATION AND TYPE OF CONSTRUCTION SIGN(S) SHALL BE DIRECTED BY THE ENGINEER BASED UPON CONSTRUCTION CONDITIONS.
18. EXACT LOCATION AND TYPE OF CONSTRUCTION SIGN(S) SHALL BE DIRECTED BY THE ENGINEER BASED UPON CONSTRUCTION CONDITIONS.
19. ALL CONFLICTING SIGNS SHALL BE COVERED DURING CONSTRUCTION. COVERS SHALL BE REMOVED AT COMPLETION OF CONSTRUCTION.
20. ACCESS TO EXISTING BUSINESSES, RESIDENCES, AND SIDE STREETS SHALL BE PROVIDED
21. THE CONTRACTOR SHALL COORDINATE WITH PROPERTY OWNERS FOR LIMITED DRIVEWAY ACCESS.
22. CONSTRUCTION OPERATIONS SHALL BE CONDUCTED IN SUCH MANNER TO CAUSE AS LITTLE INCONVENIENCE AS POSSIBLE TO ABUTTING PROPERTY OWNERS. NO PARKING SIGNS SHALL BE POSTED 48 HOURS IN ADVANCE PRIOR TO THE START OF EACH "TEMPORARY NO PARKING" RESTRICTION.
23. THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN ACCESS AND WALKWAYS OF EACH INTERSECTION, INCLUDING SCHOOL CROSSING GUARD ACTIVITIES, AS DIRECTED BY THE ENGINEER TEMPORARY PEDESTRIAN ACCESS SHALL BE 5 FT MINIMUM WIDTH.
24. THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN ACCESS AT ALL TIMES.
25. AT FOUR (4) LEGS CROSSWALK, THE CONTRACTOR SHALL MAINTAIN THREE LEGS OF THE CROSSWALK OPEN TO PEDESTRIANS AT ALL TIMES. CONTRACTOR SHALL PROVIDE PEDESTRIAN SIGNS, SUCH AS, R9-3 AND R9-3BP TO DETOUR PEDESTRIAN AROUND THE WORK ZONE AREA.
26. ALL RESIDENTIAL/COMMERCIAL DRIVEWAYS SHALL BE KEPT OPEN AT ALL TIMES EXCEPT WHEN CONSTRUCTION TAKES PLACE DIRECTLY IN FRONT OF THE DRIVEWAYS. CONTRACTOR SHALL MAINTAIN DRIVEWAY ACCESS DURING NON-WORKING HOURS BY UTILIZING STEEL PLATE COVERS (ANTI-SKID PLATES) TO THE SATISFACTION OF THE ENGINEER.
27. TRAFFIC CONTROL SIGNS ON PORTABLE SIGN SUPPORTS SHALL NOT BLOCK ACCESS IN THE TRAVELLED WAY OR SIDEWALK AREA.
28. C30(CA) SIGNS SHALL BE PLACED AT 200' INTERVALS THROUGHOUT THE WORK AREA.

TEMPORARY STRIPING NOTES:

1. ALL TEMPORARY TRAFFIC STRIPES, PAVEMENT MARKINGS, LEGENDS, AND RAISED PAVEMENT MARKERS SHALL CONFORM TO THE LATEST STATE OF CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CA MUTCD).
2. REMOVE ALL CONFLICTING STRIPING PRIOR TO INSTALLATION OF TEMPORARY TRAFFIC CONTROL PLAN.
3. ALL CONFLICTING STRIPES AND PAVEMENT MARKINGS SHALL BE COMPLETELY REMOVED BY WET SANDBLASTING AND INCLUDES REMOVAL OF RAISED PAVEMENT MARKERS.
4. ALL TEMPORARY TRAFFIC STRIPES AND PAVEMENT MARKINGS SHALL BE INSTALLED WITH ONE-COAT PAINT <<TWO-COATS>> FOR WORK DURATION MORE THAN 6 MONTHS.
5. ALL STRIPING AND MARKINGS SHALL CONFORM TO SECTION 314 OF THE 2018 STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
6. TEMPORARY RAISED REFLECTIVE MARKERS SHALL BE INSTALLED AND MAINTAINED WHEN EXISTING STRIPED ROADWAYS HAVE BEEN REMOVED AND LEFT WITHOUT STRIPING OVERNIGHT.

RESTORATION STRIPING NOTES:

1. THE CONTRACTOR SHALL RESTORE ALL EXISTING STRIPING AND PAVEMENT MARKINGS THAT HAS BEEN DAMAGED DURING CONSTRUCTION PROCESS.

LEGEND:

- EXISTING STRIPING & MARKINGS
- PROPOSED STRIPING & MARKINGS
- EXISTING SIGN AND POST TO BE REMOVED
- PROPOSED SIGN AND POST
- (S) SIGNALIZED INTERSECTION
- 28" TRAFFIC CONE WITH 13" REFLECTIVE MARKER
- TYPE III BARRICADE
- TYPE III BARRICADE WITH SIGN
- TYPE II BARRICADE
- TYPE II BARRICADE WITH SIGN
- FLAGGER
- WORK AREA
- EXCAVATION AREA

ACCEPTED
BY ABDUL HASAN DATE 3/30/2022

85% SUBMITTAL- NOT FOR CONSTRUCTION

TC-01

DRAFTER	DESIGNER	CHECKED	CADD PROJECT FILE NAME
R. FARILLAS	J. GAVIN	P. SARING	

3/28/2022 7:21:21 PM Author:PAULA.S.
Z:\ATIENZA_ENGINEERING_INC\PROJECTS\VCA\MONTEITH PARK SITE\CADD\SHEET\MTDP-101-MONTEITH PARK_TITLE SHEET.DWG
42-40x30H STRIPING (FULL-SIZE).CTB

Plans Prepared by:
ATIENZA ENGINEERING, INC.
19641 HIAWATHA STREET
CHATSWORTH, CA. 91311
WWW.AEINCORP.COM
JOSEPH S. ATIENZA, P.E. T.E. 03-22-22 DATE

811 Know what's below. Call before you dig.

DATE	MK	DESCRIPTION

REVISIONS

REGISTERED PROFESSIONAL ENGINEER JOSEPH SERRANO ATIENZA No. C 77225 CIVIL STATE OF CALIFORNIA
JOSEPH S. ATIENZA 03-22-22
CIVIL ENGINEER DATE

LOS ANGELES COUNTY PUBLIC WORKS

MONTEITH PARK AND VIEW PARK GREEN ALLEY STORMWATER IMPROVEMENTS
MONTEITH PARK
WORKSITE TRAFFIC CONTROL PLAN
GENERAL NOTES

PROJECT ID NO. SWQ0000005

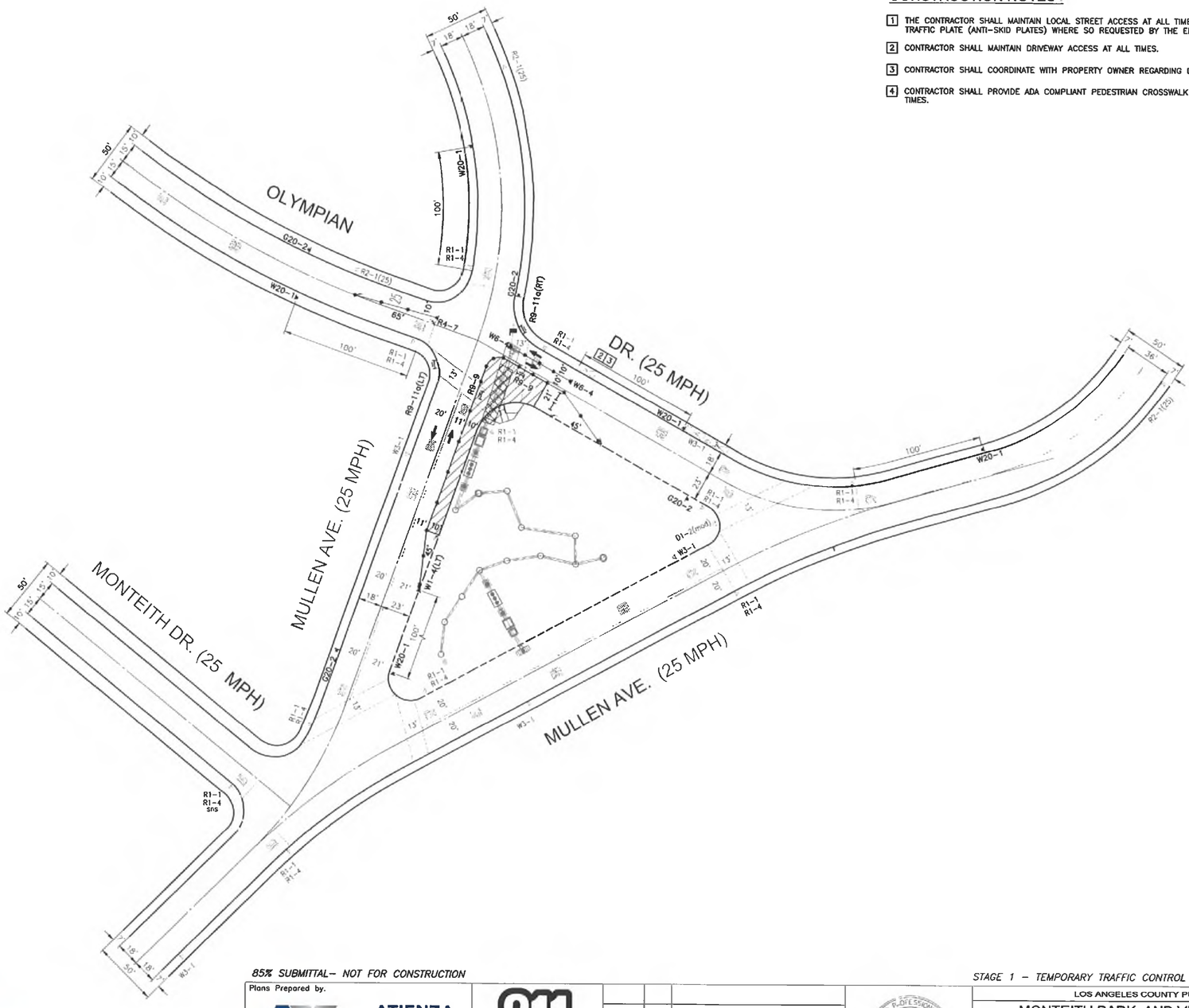
CAPITAL PROJECT NO. CP-69813 | SHEET 1 OF 6

LEGEND:

- EXISTING STRIPING & MARKINGS
- PROPOSED STRIPING & MARKINGS
- EXISTING SIGN AND POST TO BE REMOVED
- PROPOSED SIGN AND POST
- SIGNALIZED INTERSECTION
- 28" TRAFFIC CONE WITH 13" REFLECTIVE MARKER
- TYPE III BARRICADE
- TYPE III BARRICADE WITH SIGN
- TYPE II BARRICADE
- TYPE II BARRICADE WITH SIGN
- FLAGGER
- WORK AREA
- EXCAVATION AREA

CONSTRUCTION NOTES :

1. THE CONTRACTOR SHALL MAINTAIN LOCAL STREET ACCESS AT ALL TIMES BY UTILIZING STREET TRAFFIC PLATE (ANTI-SKID PLATES) WHERE SO REQUESTED BY THE ENGINEER.
2. CONTRACTOR SHALL MAINTAIN DRIVEWAY ACCESS AT ALL TIMES.
3. CONTRACTOR SHALL COORDINATE WITH PROPERTY OWNER REGARDING DRIVEWAY ACCESS.
4. CONTRACTOR SHALL PROVIDE ADA COMPLIANT PEDESTRIAN CROSSWALK AT INTERSECTION AT ALL TIMES.



SCALE: 1"=40'

STOP R1-1	ALL WAY R1-4	ROAD WORK AHEAD W20-1	END ROAD WORK G20-2	R4-7	SIDEWALK CLOSED R9-9	W1-4(LT)
SPEED LIMIT 25 R2-1 (25)	W3-1	W6-4	D1-2(mod)	SIDEWALK CLOSED CROSS HERE R9-11a(LT)	SIDEWALK CLOSED CROSS HERE R9-11a(RT)	

DRAFTER: R. FARILLAS | DESIGNER: J. GAVIN | CHECKER: P. SARING | CADD PROJECT FILE NAME: -

3/28/2022 7:21:39 PM Authorized User
Z:\ATIENZA ENGINEERING INC\PROJECTS\VCA\MONTEITH PARK SITE\CADD\SHEET\WTCP-102-STAGE 1_MONTEITH PARK.DWG

85% SUBMITTAL– NOT FOR CONSTRUCTION

Plans Prepared by.

ATIENZA ENGINEERING, INC.
19641 HIAWATHA STREET
CHATSWORTH, CA. 91311
WWW.AEINCORP.COM
JOSEPH S. ATIENZA P.E. T.E. 03-22-22 DATE

811 Know what's below. Call before you dig.

DATE	MK	DESCRIPTION

REVISIONS

REGISTERED PROFESSIONAL ENGINEER JOSEPH SERRANO ATIENZA No. C 72275 CIVIL STATE OF CALIFORNIA

JOSEPH S. ATIENZA 03-22-22
CIVIL ENGINEER DATE

STAGE 1 – TEMPORARY TRAFFIC CONTROL PLAN

TC-02

LOS ANGELES COUNTY PUBLIC WORKS

MONTEITH PARK AND VIEW PARK GREEN ALLEY STORMWATER IMPROVEMENTS

MONTEITH PARK WORKSITE TRAFFIC CONTROL PLAN

PROJECT ID NO. SWQ0000005

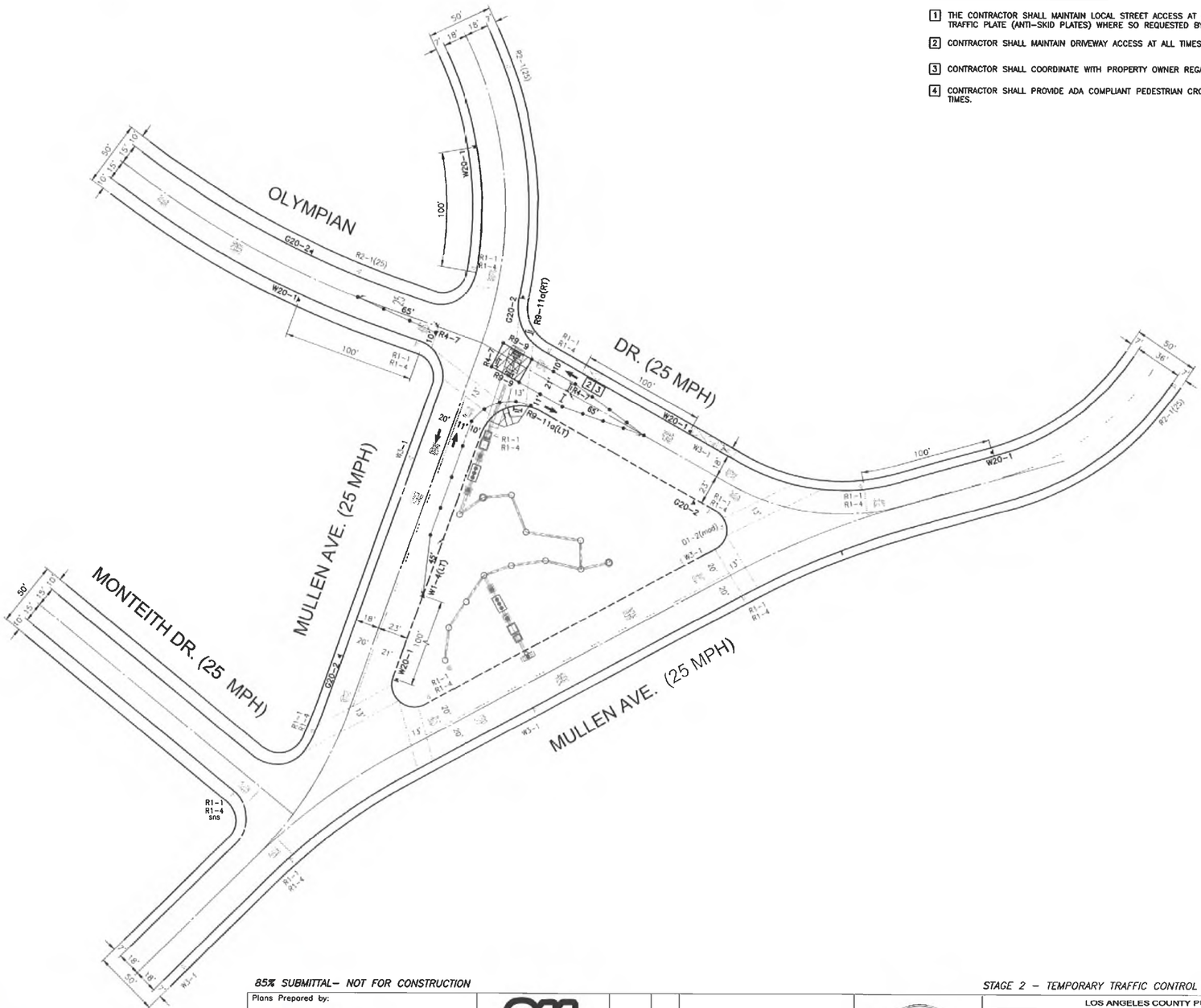
CAPITAL PROJECT NO. CP-69813 | SHEET 2 OF 6

LEGEND:

- EXISTING STRIPING & MARKINGS
- PROPOSED STRIPING & MARKINGS
- EXISTING SIGN AND POST TO BE REMOVED
- PROPOSED SIGN AND POST
- SIGNALIZED INTERSECTION
- 28" TRAFFIC CONE WITH 13" REFLECTIVE MARKER
- TYPE III BARRICADE
- TYPE III BARRICADE WITH SIGN
- TYPE II BARRICADE
- TYPE II BARRICADE WITH SIGN
- FLAGGER
- WORK AREA
- EXCAVATION AREA

CONSTRUCTION NOTES :

1. THE CONTRACTOR SHALL MAINTAIN LOCAL STREET ACCESS AT ALL TIMES BY UTILIZING STREET TRAFFIC PLATE (ANTI-SKID PLATES) WHERE SO REQUESTED BY THE ENGINEER.
2. CONTRACTOR SHALL MAINTAIN DRIVEWAY ACCESS AT ALL TIMES.
3. CONTRACTOR SHALL COORDINATE WITH PROPERTY OWNER REGARDING DRIVEWAY ACCESS.
4. CONTRACTOR SHALL PROVIDE ADA COMPLIANT PEDESTRIAN CROSSWALK AT INTERSECTION AT ALL TIMES.



R1-1	R1-4	W20-1	G20-2	D1-2(mod)	R9-9	W1-4(LT)
R2-1 (25)	W3-1	W6-4	R4-7	R9-11a(RT)	R9-11a(LT)	

85% SUBMITTAL– NOT FOR CONSTRUCTION

STAGE 2 – TEMPORARY TRAFFIC CONTROL PLAN

TC-03

Plans Prepared by:

ATIENZA ENGINEERING, INC.
19641 HIAWATHA STREET
CHATSWORTH, CA. 91311
WWW.AEINCORP.COM
JOSEPH S. ATIENZA, P.E. T.E.
03-22-22
DATE

Know what's below. Call before you dig.

DATE	MK	DESCRIPTION
		REVISIONS

JOSEPH S. ATIENZA 03-22-22
CIVIL ENGINEER DATE

LOS ANGELES COUNTY PUBLIC WORKS

MONTEITH PARK AND VIEW PARK GREEN ALLEY STORMWATER IMPROVEMENTS

MONTEITH PARK WORKSITE TRAFFIC CONTROL PLAN

PROJECT ID NO. SWQ0000005

CAPITAL PROJECT NO. CP-69813 | SHEET 3 OF 6

DESIGNER R. FARLLAS | DRAFTER J. GAVIN | CHECKER P. SARING | CADD PROJECT FILE NAME

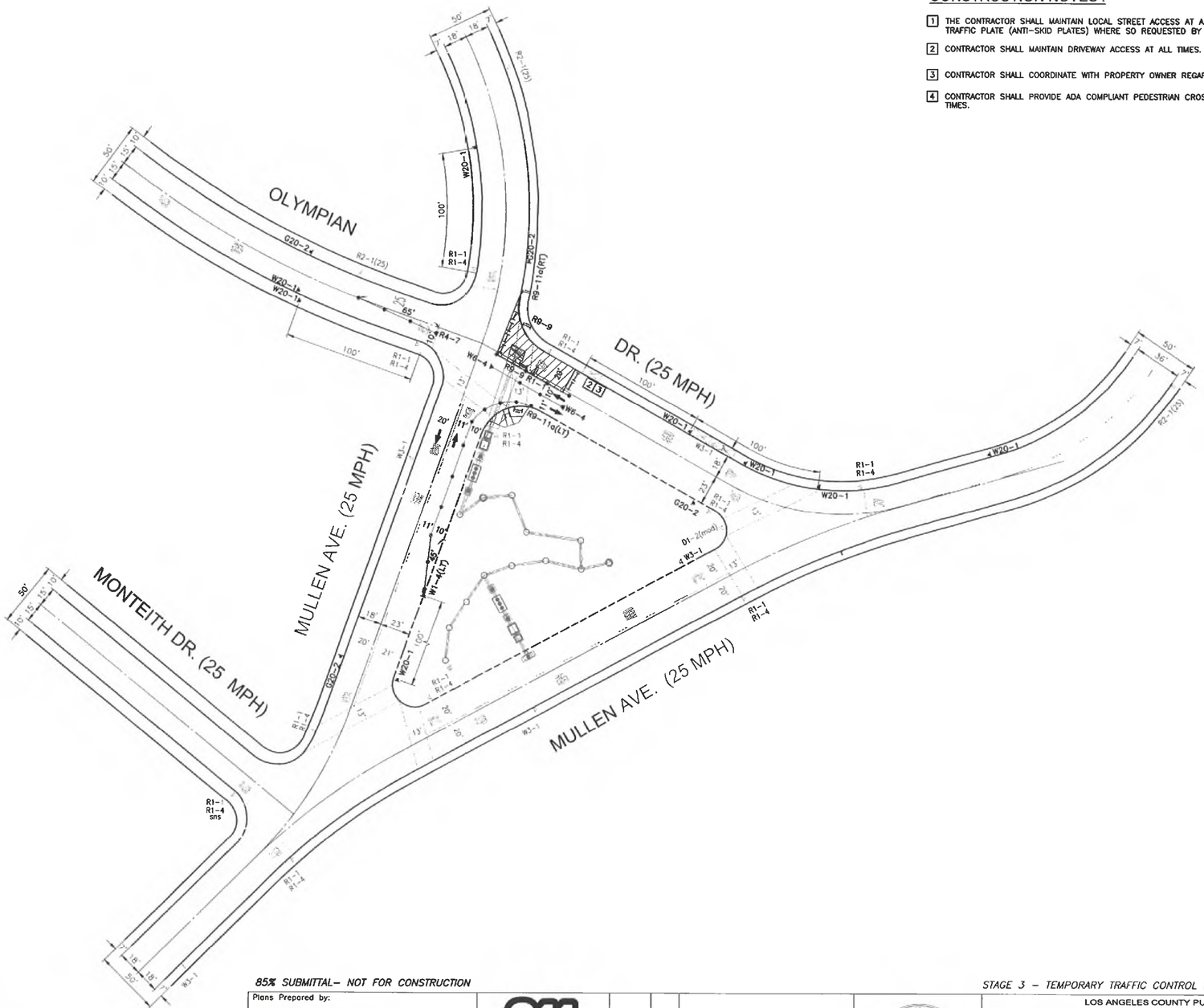
3/28/2022 7:21:55 PM Author:PAULA S.
Z:\ATIENZA ENGINEERING INC\PROJECTS\VICA\MONTEITH PARK SITE\CADD\SHEET\WTCP-103-STAGE 2_MONTEITH PARK.DWG
48"x36" (ARCH D) PLOTTED (FULL SIZE)

LEGEND:

- EXISTING STRIPING & MARKINGS
- PROPOSED STRIPING & MARKINGS
- EXISTING SIGN AND POST TO BE REMOVED
- PROPOSED SIGN AND POST
- SIGNALIZED INTERSECTION
- 28" TRAFFIC CONE WITH 13" REFLECTIVE MARKER
- TYPE III BARRICADE
- TYPE III BARRICADE WITH SIGN
- TYPE II BARRICADE
- TYPE II BARRICADE WITH SIGN
- FLAGGER
- WORK AREA
- EXCAVATION AREA

CONSTRUCTION NOTES :

1. THE CONTRACTOR SHALL MAINTAIN LOCAL STREET ACCESS AT ALL TIMES BY UTILIZING STREET TRAFFIC PLATE (ANTI-SKID PLATES) WHERE SO REQUESTED BY THE ENGINEER.
2. CONTRACTOR SHALL MAINTAIN DRIVEWAY ACCESS AT ALL TIMES.
3. CONTRACTOR SHALL COORDINATE WITH PROPERTY OWNER REGARDING DRIVEWAY ACCESS.
4. CONTRACTOR SHALL PROVIDE ADA COMPLIANT PEDESTRIAN CROSSWALK AT INTERSECTION AT ALL TIMES.



STOP R1-1	ALL WAY R1-4	W20-1	G20-2	R4-7	SIDEWALK CLOSED R9-9	W1-4(LT)
SPEED LIMIT 25 R2-1 (25)	W3-1	W6-4	D1-2(mod)	R9-11a(LT)	R9-11a(RT)	

DESIGNER: R. FARELLAS | DESIGNER: J. GAVIN | CHECKER: P. SARING | CADD PROJECT FILE NAME:

3/28/2022 7:22:55 PM Author:PAULA S.
Z:\ATIENZA_ENGINEERING_INC\PROJECTS\WCA\MONTEITH PARK SITE\CADD\SHEET\WTCP-104-STAGE 3_MONTEITH PARK.DWG
ALL ACTIVITY STORAGE (FULL SHEET).DTB

85% SUBMITTAL– NOT FOR CONSTRUCTION

STAGE 3 – TEMPORARY TRAFFIC CONTROL PLAN

TC-04

Plans Prepared by:

ATIENZA ENGINEERING, INC.
19641 HIAWATHA STREET
CHATSWORTH, CA. 91311
WWW.AEINCORP.COM

JOSEPH S. ATIENZA, P.E. T.E. — 03-22-22 (Date)

Know what's below. Call before you dig.

DATE	MK	DESCRIPTION
		REVISIONS

JOSEPH S. ATIENZA — 03-22-22
CIVIL ENGINEER — DATE

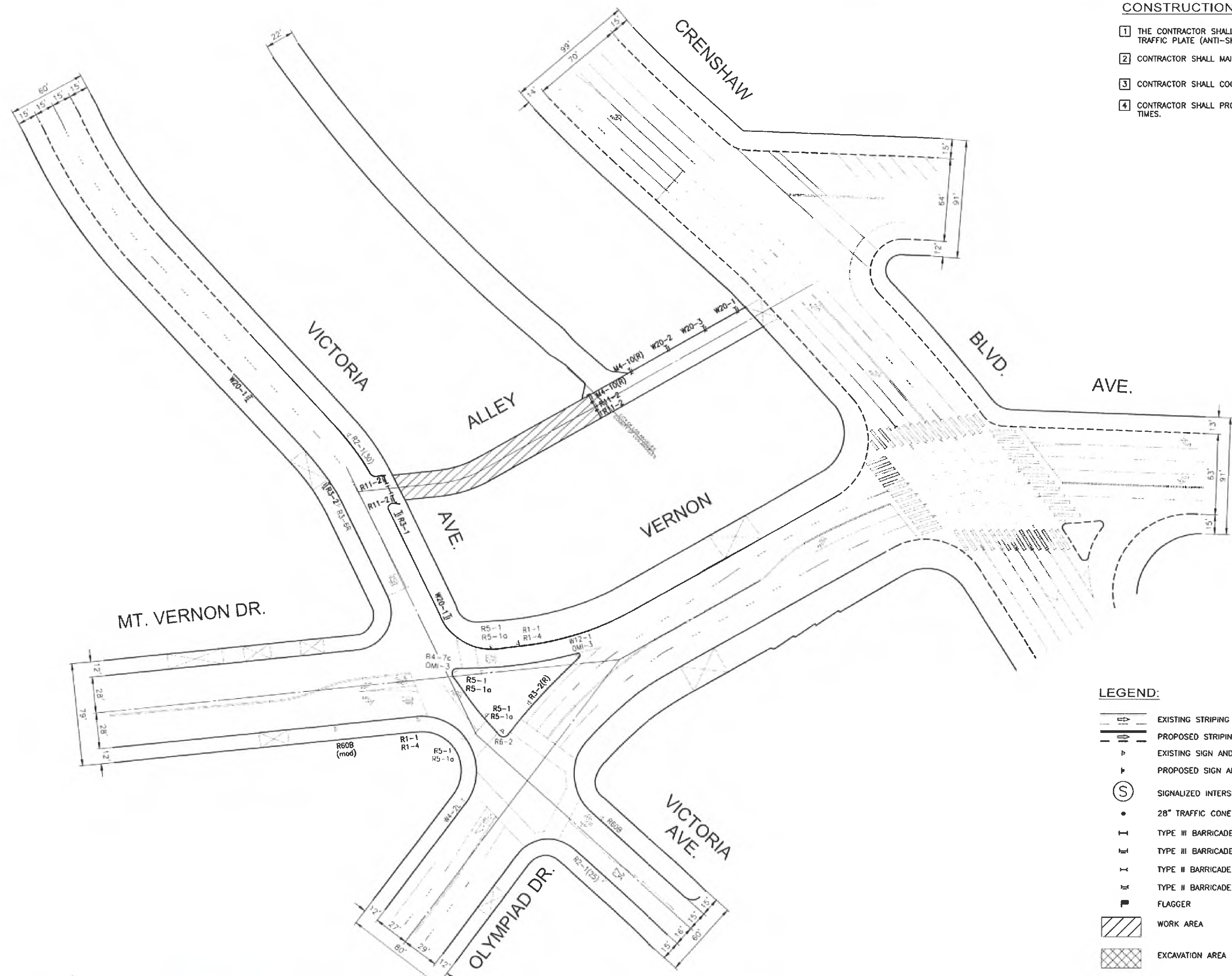
LOS ANGELES COUNTY PUBLIC WORKS

MONTEITH PARK AND VIEW PARK GREEN ALLEY STORMWATER IMPROVEMENTS

MONTEITH PARK
WORKSITE TRAFFIC CONTROL PLAN

PROJECT ID NO. SWQ0000005

CAPITAL PROJECT NO. CP-69813 | SHEET 4 OF 6



CONSTRUCTION NOTES :

1. THE CONTRACTOR SHALL MAINTAIN LOCAL STREET ACCESS AT ALL TIMES BY UTILIZING STREET TRAFFIC PLATE (ANTI-SKID PLATES) WHERE SO REQUESTED BY THE ENGINEER.
2. CONTRACTOR SHALL MAINTAIN DRIVEWAY ACCESS AT ALL TIMES.
3. CONTRACTOR SHALL COORDINATE WITH PROPERTY OWNER REGARDING DRIVEWAY ACCESS.
4. CONTRACTOR SHALL PROVIDE ADA COMPLIANT PEDESTRIAN CROSSWALK AT INTERSECTION AT ALL TIMES.

LEGEND:

- EXISTING STRIPING & MARKINGS
- PROPOSED STRIPING & MARKINGS
- EXISTING SIGN AND POST TO BE REMOVED
- PROPOSED SIGN AND POST
- (S) SIGNALIZED INTERSECTION
- 28" TRAFFIC CONE WITH 13" REFLECTIVE MARKER
- TYPE III BARRICADE
- TYPE III BARRICADE WITH SIGN
- TYPE II BARRICADE
- TYPE II BARRICADE WITH SIGN
- FLAGGER
- WORK AREA
- EXCAVATION AREA

SCALE: 1"=40'

TC-05

85% SUBMITTAL– NOT FOR CONSTRUCTION

STOP	ALL WAY	SPEED LIMIT 25	SPEED LIMIT 30							
R1-1	R1-4	R2-1 (25)	R2-1 (30)	R3-6R	R4-7c	R5-1	W20-1	W20-2	R3-2	SC3(CA)
WRONG WAY					ROAD CLOSED				ONE WAY	
R5-1a	R60B(CA)	W4-2L	W12-1	OM1-3	R11-2	R3-1	W20-3	M4-10(R)	R6-2	

Plans Prepared by

ATIENZA ENGINEERING, INC.
19641 HIAWATHA STREET
CHATSWORTH, CA. 91311
WWW.AEINCORP.COM

JOSEPH S. ATIENZA P.E. T.E. 03-22-22 DATE

811 Know what's below. Call before you dig.

DATE	MK	DESCRIPTION

REVISIONS

JOSEPH S. ATIENZA 03-22-22
CIVIL ENGINEER DATE

LOS ANGELES COUNTY PUBLIC WORKS

MONTEITH PARK AND VIEW PARK GREEN ALLEY STORMWATER IMPROVEMENTS

GREEN ALLEY
WORKSITE TRAFFIC CONTROL PLAN

PROJECT ID NO. SWQ0000005

CAPITAL PROJECT NO. CP-69813 | SHEET 5 OF 6

DRAFTER R. FARILLAS | DESIGNER J. GAVIN | CHECKER P. SARING | CADD PROJECT FILE NAME

CONSTRUCTION NOTES :

1. THE CONTRACTOR SHALL MAINTAIN LOCAL STREET ACCESS AT ALL TIMES BY UTILIZING STREET TRAFFIC PLATE (ANTI-SKID PLATES) WHERE SO REQUESTED BY THE ENGINEER.
2. CONTRACTOR SHALL MAINTAIN DRIVEWAY ACCESS AT ALL TIMES.
3. CONTRACTOR SHALL COORDINATE WITH PROPERTY OWNER REGARDING DRIVEWAY ACCESS.
4. CONTRACTOR SHALL PROVIDE ADA COMPLIANT PEDESTRIAN CROSSWALK AT INTERSECTION AT ALL TIMES.

LEGEND:

- EXISTING STRIPING & MARKINGS TO BE REMOVED
- PROPOSED STRIPING & MARKINGS
- EXISTING SIGN AND POST TO BE REMOVED
- PROPOSED SIGN AND POST
- (S) SIGNALIZED INTERSECTION
- 28" TRAFFIC CONE WITH 13" REFLECTIVE MARKER
- TYPE III BARRICADE
- TYPE III BARRICADE WITH SIGN
- TYPE II BARRICADE
- TYPE II BARRICADE WITH SIGN
- FLAGGER
- WORK AREA
- EXCAVATION AREA
- DIRECTION OF TRAVEL

SCALE: 1"=40'

TC-06

M4-10(R)	M4-8a	M4-9(R)	M4-9(L)							
M4-10(L)	R11-2	SC3(CA)	M4-8a							

DRAWN R. FARILLAS | DESIGNER J. GAVIN | CHECKED P. SARING | CADD PROJECT FILE NAME

3/28/2022 7:23:29 PM Author:PAULA S
Z:_ATIENZA_ENGINEERING_INC\PROJECTS\LACA\MONTEITH PARK SITE\LACAUD\SHEET\WKDP-108-VALLEY-DETOUR.DWG
4E_LACOUNTY_STRIPING_FULL_SET.CTB

85% SUBMITTAL-- NOT FOR CONSTRUCTION

Plans Prepared by:

ATIENZA ENGINEERING INC.
19641 HIAWATHA STREET
CHATSWORTH, CA. 91311
WWW.AEINCORP.COM

JOSEPH S. ATIENZA P.E. T.E. 03-22-22 DATE

811 Know what's below. Call before you dig.

DATE	MK	DESCRIPTION
		REVISIONS

REGISTERED PROFESSIONAL ENGINEER JOSEPH SERRANO ATIENZA No. C 77225 6-30-23 CIVIL STATE OF CALIFORNIA

JOSEPH S. ATIENZA 03-22-22
CIVIL ENGINEER DATE

LOS ANGELES COUNTY PUBLIC WORKS

MONTEITH PARK AND VIEW PARK GREEN ALLEY STORMWATER IMPROVEMENTS

GREEN ALLEY DETOUR PLAN

PROJECT ID NO. SWQ0000005

CAPITAL PROJECT NO. CP-69813