MAGIC JOHNSON PARK
MAKE READY AND PARKING PROJECT

Los Angeles County Department of Public Works

Project ID 00002404
Project P9700273

CIVIL ENGINEER

BARBARA L. HALL, P.E., INC.
318 WEST EVERGREEN AVENUE
MONROVIA, CA 91016
BARBARA L. HALL
TEL. (626) 256-3220
FAX (626) 256-3218

ARCHITECT

PAUL MURDOCH ARCHITECTS
6310 SAN VICENTE BLVD.
SUITE 400
LOS ANGELES, CA 90048
TEL. (310) 358-0993

ELECTRICAL ENGINEER

BUDLONG
635 W. 5TH ST.,
26TH FLOOR
LOS ANGELES, CA 90071
TEL. (909) 232-4679

LANDSCAPE ARCHITECT

MIG
360 EAST SECOND STREET
SUITE 675
LOS ANGELES, CA 90012
TEL. (213) 694-3800

TRANSPORTATION ENGINEER

FEHR AND PEERS
100 OCEANGATE
SUITE 1425
LONG BEACH, CA 90802
TEL. (562) 294-5848

GEOTECHNICAL ENGINEER

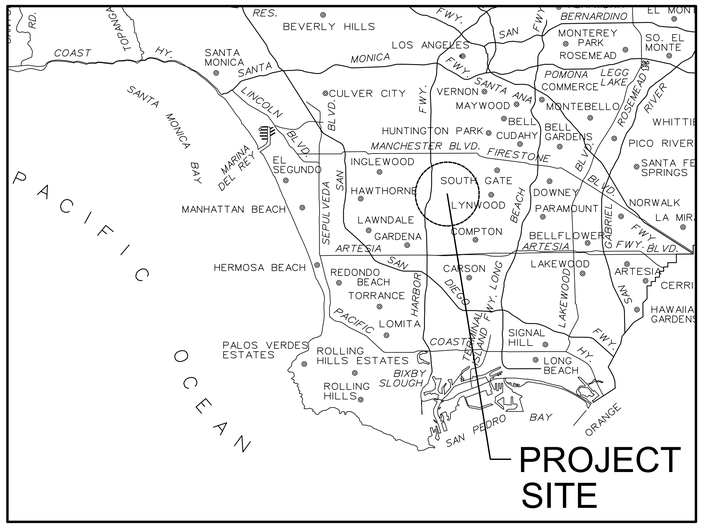
GEOCON WEST, INC.
500 N. VICTORY BOULEVARD
BURBANK, CA 91502
TEL. (818) 841-8388

PROJECT NO. W1500-06-29
DATE OF REPORT: MAY 8, 2026
AND REVISED: JUNE 5, 2026

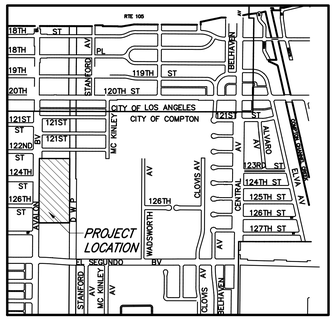
CLIENT / OWNER

LOS ANGELES COUNTY
DEPARTMENT OF PUBLIC WORKS
900 S. FREMONT AVENUE
ALHAMBRA, CA 91803
TEL. (626) 300-2632

Site Address: 12416 AVALON BOULEVARD
LOS ANGELES, CA 90061



LOCATION MAP
NOT TO SCALE



VICINITY MAP
NOT TO SCALE

GENERAL INFORMATION

PROJECT SCOPE

THE PROJECT IS LOCATED AT 12416 AVALON BLVD., LOS ANGELES, CALIFORNIA 90061 ON APPROXIMATELY 12 ACRES AT THE WEST SIDE OF THE EARVIN "MAGIC" JOHNSON RECREATION AREA. THE SCOPE OF WORK IS TO PREPARE THE SITE (MAKE READY WORK) FOR A FUTURE BUILDING. SCOPE INCLUDES:

DEMOLITION OF EXISTING PARKING LOT AND CONCRETE WALKWAYS.
REMOVE EXISTING DRIVEWAY.
CLEARING OF EXISTING SITE INCLUDING REMOVAL OF TREES,
NEW EMPLOYEE AND VISITORS PARKING LOT
NEW RETAINING WALL
NEW DRIVEWAYS
RELOCATE PEDESTRIAN PARK WALKWAY
LANDSCAPING
PARKING LOT SOLAR LIGHTING
TRAFFIC LIGHT MODIFICATION
OFF-SITE IMPROVEMENTS
RELOCATE UTILITY LINES

FUTURE BUILDING
NOT A PART OF THE PROJECT SCOPE

APPLICABLE CODES AND STANDARDS
2022 CALIFORNIA STANDARD BUILDING CODE
2022 CALIFORNIA ELECTRICAL CODE
2022 CALIFORNIA FIRE CODE
2023 LOS ANGELES BUILDING CODE
2010 AMERICANS WITH DISABILITIES ACT (ADA) TITLE II

OWNER
LOS ANGELES COUNTY PUBLIC WORKS

PROJECT ADDRESS
12416 AVALON BLVD.,
LOS ANGELES, CA 90061

PARCEL/ASSESSOR'S ID NO.
6086-031-914
6086-031-915

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R-1	TOPOGRAPHIC SURVEY (FOR REFERENCE ONLY)
R-2	TOPOGRAPHIC SURVEY (FOR REFERENCE ONLY)
R-3	TOPOGRAPHIC SURVEY (FOR REFERENCE ONLY)
R-4	TOPOGRAPHIC SURVEY (FOR REFERENCE ONLY)
	ARCHITECTURAL
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A101	SITE PLAN – PATH OF TRAVEL
	CIVIL
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C103	UTILITY DEMOLITION PLAN
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C107	PARTIAL SITE PLAN SOUTH LOT
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C202	GRADING PLAN
C203	GRADING PLAN
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C205	GRADING PLAN
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C406	DETAILS
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	TRAFFIC
T2-1	TRAFFIC SIGNAL PLAN
SS-1	SIGNING AND STRIPING PLAN
	STREET IMPROVEMENT
1	TITLE SHEET
2	GENERAL NOTES, STORMWATER POLLUTION PLAN NOTES, CMB NOTES
3	AVALON BOULEVARD – FROM (117+71.49 TO 106+00)
4	ENLARGEMENT PLANS

811 Know what's **below.** **Call** before you dig.

LACo BENCHMARK NO. RY187A EL. 136.911 FT 41.731 M

RDBM TAG IN N CB 1FT W/O BCR @ NW COR MAIN ST & EL SEGUNDO BLVD.

WATTS QUAD 2013
NAVD88

Barbara L. Hall, P.E., Inc.
318 West Evergreen Avenue
Monrovia, CA 91016
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310 358-0993

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REGISTERED PROFESSIONAL ENGINEER BARBARA L. HALL No. 42206 Exp. 03/31/26 CIVIL STATE OF CALIFORNIA

NO. DATE REVISION

MAGIC JOHNSON PARK
MAKE READY &
PARKING PROJECT

12416 AVALON BLVD.
LOS ANGELES, CA 90061

PMA PROJECT NO.
21023.01

DRAWING TITLE
TITLE COVER SHEET

SCALE
AS SHOWN

DATE
06/01/2026

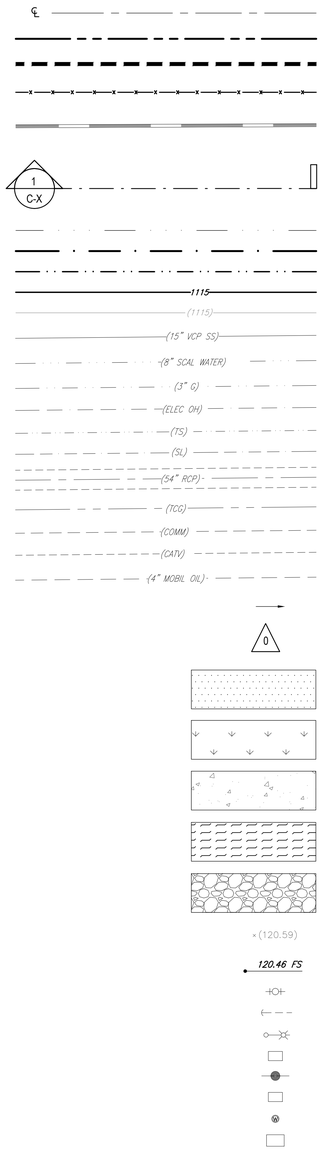
DRAWN VC CHECKED BLH

SHEET NO.
G-0

ABBREVIATIONS

A	ABOVE	ABV.
	ABOVE FINISH FLOOR	A.F.F.
	ACCESS PANEL	ACP
	ACOUSTICAL	ACOUS.
	AGGREGATE	AGG.
	AIR CONDITION	A/C
	ALUMINUM	ALUM.
	AMERICAN CONCRETE INSTITUTE	A.C.I.
	AMERICAN INSTITUTE OF STEEL CONSTRUCTIONAISC or A.I.S.C.	
	AMERICAN NATIONAL STANDARDS INSTITUTE	ANSI
	AMERICAN SOCIETY OF CIVIL ENGINEERS	ASCE
	AMERICAN SOCIETY OF TESTING AND MATERIALASTM	
	AMERICAN WELDING SOCIETY	AWS
	AMOUNT	AMT.
	ANCHOR BOLT	A.B.
	AND	&
	ANGLE	L
	ANODIZED	ANOD.
	APPROVED	APPD.
	APPROXIMATE	APPROX.
	ARCHITECT OR ARCHITECTURAL	ARCH
	ASBESTOS	ASB.
	ASPHALT	ASPH.
	ASPHALT TILE	A.T.
	ASPHALTIC CONCRETE	A.C.
	ASSOCIATE	ASSOC.
	ASSOCIATION	ASSN.
	AT	@
	AUTOMATIC	AUTO
	AVENUE	AVE.
B	BASEMENT	BSMT.
	BEAM	BM
	BETWEEN	BET.
	BLOCK	BLK.
	BLOCKING	BLKG.
	BOARD	BD.
	BOARD OF AIRPORT COMMISSIONERS	BOAC
	BOTH WAYS	B.W.
	BOTTOM	BOT.
	BOTTOM OF JOINT	BOJ
	BOTTOM OF MULLION	BOM
	BOULEVARD	BLVD.
	BRACKET	BRKT.
	BRITISH THERMAL UNITS	BTU
	BRONZE	BRZ.
	BUILDING	BLDG.
	BUILT-UP	B/U
C	CABINET	CAB.
	CARPET	CP.
	CAST IRON	C.I.
	CAST IRON PIPE	C.I.P.
	CATCH BASIN	C.B.
	CEILING	CLG.
	CEMENT	CEM.
	CENTER	CTR.
	CENTER TO CENTER	C TO C
	CENTERLINE	CL or
	CERAMIC TILE	C.T.
	CERAMIC TILE	CT.
	CHALKBOARD	CK BD.
	CHANGE	CHG.
	CHANNEL	CHAN. or [
	CLEAN OUT	C.O.
	CLEAR	CLR.
	COLUMN	COL.
	COMMON	COM.
	COMMUNICATION	COMM
	COMMUNITY ANTENNA TELEVISION	CATV
	COMPANY	CO.
	COMPOSITION	COMPO.
	CONCRETE	CONC.
	CONCRETE BLOCK	CONC. BLK.
	CONCRETE MASONRY UNIT	C.M.U.
	CONNECTION	CONN.
	CONSTRUCT or CONSTRUCTION	CONST.
	CONTINUOUS or CONTINUE	CONT.
	CONTRACT or CONTRACTOR	CONTR.
	CONTROL JOINT	C.J.
	CORNER	COR.
	CORRIDOR	CORR.
	CORRUGATED METAL PIPE	CMP
	COUNTERSINK	CSK.
	CUBIC	CU.
	CUBIC FEET PER MINUTE	CFM
	CUBIC FOOT	CU. FT.
	CUBIC INCH	CU. IN.
	CUBIC YARD	CU. YD.
	CURB FACE	C.F.
D	DEGREE	DEG. or °
	DEPARTMENT	DEPT.
	DETAIL	DET.
	DIAGONAL	DIAG.
	DIAMETER	DIA. or
	DIMENSION	DIM.
	DISPENSER	DISP.
	DISTANCE	DIST.
	DIVISION	DIV.
	DOOR	DR
	DOUBLE	DBL
	DOWEL	DWL
	DOWN	DN
	DOWNSPOUT	D.S.
	DRAWING	DWG
	DRINKING FOUNTAIN	DF.
	DUCTILE IRON PIPE	DIPM
E	EACH	EA.
	EAST	E
	ELASTOMERIC MEMBRANE	E.M.
	ELECTRIC or ELECTRICAL	ELEC.
	ELEVATION	EL.
	ELEVATOR	ELEV.
	EMERGENCY	EMER.
	ENAMEL	EN.
	END VERTICAL CURVE	E.V.C.
	ENGINEER	ENGR., ENG.
	EQUAL	EQ.
	EQUIPMENT	EQUIP.
	ESTIMATE	EST.
	EXCAVATE	EXC.
	EXISTING	EXIST.
	EXISTING'	(E)
	EXPANSION BOLT	E.B.
	EXPANSION JOINT	E.J.
	EXPOSED CONSTRUCTION	E.C.
	EXTERIOR	EXT.
	EXTERIOR GRADE	EXT. GR.
	EXTRUDED	EXTR.
	EYE WASH	E.W.
F	FABRIC WALL COVERING	F.W.C.
	FABRIC WALL PANEL	F.W.P.
	FACE OF	F.O.
	FACE OF CONCRETE	F.O.C.
	FACE OF MASONRY	F.O.M.
	FACE OF STUD	F.O.S.
	FACTORY	FAC.
	FEET / FOOT	FT.
	FIGURE	FIG.
	FINISH	FIN.
	FINISH FLOOR	F.F.
	FIRE ALARM PULL	F.P.
	FIRE EXTINGUISHER	F.E.
	FIRE HOSE CABINET	F.H.C.
	FIRE HYDRANT	F.H.
	FINISH GRADE	F.G.
	FLANGE	FLG.
	FLATHEAD WOOD SCREWS	F.H.W.S.
	FLOOR	FL.
	FLOOR DRAIN	F.D.
	FINISH SURFACE	F.S.
	FLOW LINE	F.L. or FL
	FLUOROCARBON RESINOUS COATED	FCRC
	FOOTING	FTG.
	FOUNDATION	FND.
G	GAGE	GA.
	GALLON	GAL.
	GALVANIZED	GALV.
	GALVANIZED IRON	GI.
	GAS	G / SCG
	GLASS	GL.
	GOVERNMENT	GOVT.
	GRADE BREAK	G.B.
	GRADE	GR.
	GRANITE	GRAN.
	GRATING	GRTG.
	GYPSUM BOARD	GYP. BD.
H	HANDICAP	HC/
	HANGER	HGR
	HARDBOARD	HBD.
	HARDNER	HARD.
	HARDWARE	HDW.
	HARDWOOD	HWD.
	HEADER	HDR.
	HEIGHT	HT.
	HEXAGONAL	HEX.
	HIGH POINT	H.P.
	HOLLOW CORE	H.C.
	HOLLOW METAL	H.M.
	HORIZONTAL	HORIZ.
	HORIZONTAL HOOK	HK.
	HOSE BIBB	H.B.
	HOUR	HR.
I	I BEAM	I
	INCH	IN or "
	INFORMATION	INFO
	INSIDE DIAMETER	I.D.
	INSULATION	INSUL.
	INTERIOR	INT.
	INTERIOR GRADE	INT. GR.
	INTERMEDIATE	INTER.
	INVERT	INV.
	IRRIGATION	IRR
J	JOINT	JT.
	JOIST	JST.
K	KIP	K
L	LABORATORY	LAB.
	LOS ANGELES DEPARTMENT OF WATER & POWER	LADWP
	LAMINATE	LAM.
	LANDING	LDG.
	LAVATORY	LAV.
	LEVEL	LEV.
	LIGHT	LT.
	LINOLEUM	LINO.
	LONG	LG.
M	MAGNETIC	LUM.
	MACHINE	MACH.
	MANHOLE	M.H.
	MANUFACTURER or MANUFACTURING	MFR.
	MANUFACTURERS ASSOC.	NEMA
	MARK	MK.
	MASONRY OPENING	MO
	MATERIAL	MAT.
	MAXIMUM	MAX.
	MECHANICAL	MECH.
	MEDICINE CABINET	MC
	MEMBRANE WATERPROOFING	MWP
	METAL	MTL.
	METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA	MWD
	MEZZANINE	MEZZ.
	MINERAL FISSURED TILE	MFT.
	MINIMUM	MIN.
	MISCELLANEOUS	MISC.
	MOULDING	MLDG.
	MOUNTED	MTD.
N	NATIONAL	NATL.
	NATIONAL BOARD OF FIRE UNDERWRITERS	NBFU
	NATIONAL ELECTRICAL CODE	NEC
	NATURAL	NAT.
	NATURAL GRADE	NAT. GR.
	NEW	(N)
	NOMINAL	NOM.
	NORTH	N
	NOT IN CONTRACT	N.I.C.
	NOT TO SCALE	N.T.S.
	NUMBER	NO. or #
O	OCCUPATIONAL SAFETY AND HEALTH ADMINIST	O.S.H.A.
	OFFICE	OFF.
	OIL (MOBIL)	OIL
	ON CENTER	O.C.
	OPENING	OPNG.
	OPPOSITE	OPP.
	OUT TO OUT	O TO O
	OUTSIDE DIAMETER	O.D.
	OUTSIDE FACE CONCRETE	O.F.C.
	OUTSIDE FACE MASONRY	O.F.M.
	OUTSIDE FACE STUDS	O.F.S.
	OVER	O/
	OVERHEAD	OH
P	PAINTED	PTD.
	PAIR	PR.
	PANEL	PNL.
	PARTITION	PART.
	PEDESTAL	PED.
	PENNY	d
	PERFORATED	PERF
	PERPENDICULAR	PERP.
	PICKET FENCE	PF
	PIECE	PC.
	PIPE BOLLARD	P.B.
	PLASTER	PLAS.
	PLASTIC LAMINATE	P-LAM.
	PLATE	PL.
	PLYWOOD	PLYWD.
	POINT	PT.
	POLYURETHANE ENAMEL	PVE
	POLYVINYL CHLORIDE	PVC
	PORTLAND CEMENT CONCRETE	P.C.C.
	POUND	LB. or #
	POWER POLE	P.P.
	PRECAST	PRCST.
	PREFABRICATED	PREFAB.
	PROPERTY	PROP.
	PROPERTY LINE	PL
	PULL CHAIN	P.C.
Q	QUARRY TILE	QT
R	RADIUS	RAD.
	RECTANGLE	RECT.
	REDWOOD	REWD.
	REFER TO	RE
	REFLECTED CEILING PLAN	R.C.P.
	REFRIGERATOR	REF.
	REINFORCE or REINFORCING	REINF.
	REINFORCED CONCRETE PIPE	RCP
	REQUIRED	REQD.
	REVISION	REV.
	RIGHT-OF-WAY	R/W
	RISER	R.
	ROOF	RF.
	ROOF DRAIN	R.D.
	ROOFING	RFG.
	ROOM	RM.
	ROUGH OPENING	RO.
	ROUND	RD.
	RUBBER BASE	R.B.
S	SCHEDULE	SCH
	SECTION	SE.
	SEE CIVIL DRAWINGS	SCD
	SEE STRUCTURAL DRAWINGS	SSD
	SHEATHING	SHTHG.
	SHEET	SHT.
	SIMILAR	SIM.
	SINGLE	SGL.
	SMOKE DETECTOR	S.D.
	SNITARY SEWER	SS / SANT.SEW.
	SOLID CORE	S.C.
	SOUTH	S.
	SPEAKER	SPK
	SPECIFICATION	SPEC.
	SQUARE	SQ.
	STAGGERED	STAGG.
	STAINLESS STEEL	SS
	STANDARD	STD.
	STEEL	STL.
	STIFFENER	STIFF.
	STIRRUP	STIR.
	STONE	STN.
	STRAIGHT GRADE	S.G.
	STREET	ST.
	STRUCTURAL	STRUCT'L.
	SUPPORT	SUPT.
	SURFACED 4 SIDES	S4S
	SUSPEND	SUSP.
	SYMBOL	SYM.
	SYMMETRICAL	SYMM.
T	TELEPHONE	TEL.
	TEMPERATURE	TEMP.
	TRANSMISSION LINE RIGHT OF WAY	TLRW
	TOP OF GRATE	T.G.
	THICK or THICKNESS	THK.
	THRESHOLD	THLD
	TO OF	T.O.
	TONGUE AND GROOVE	T&G
	TOP OF BANK	T.O.B.
	TOP OF CURB	T.C.
	TOP OF WALL	T.W.
	TOP OF FINISH	T.O.F.
	TOP OF GRATE	T.G.
	TOP OF JOINT	T.O.J.
	TOP OF MASONRY	T.O.M.
	TOP OF PARAPET	T.O.P.
	TOP OF STEEL	TOS / T.O.S.
	TOP OF STRUCTURAL SLAB	T.S.S.
	TOP OF WALL	T.O.W.
	TREAD	T.
	TURNBUCKLE	TRNBKL.
	TYPICAL	TYP.
U	UNDER CUT	UC
	UNIFORM BUILDING CODE	U.B.C.
	UNLESS NOTED OTHERWISE	U.N.O.
V	VAPOR BARRIER	V.B.
	VENTILATOR	VENT.
	VERIFY IN FIELD	VIF
	VERTICAL	VERT.
	VESTIBULE	VEST.
	VINYL	VYN
	VINYL COMPOSITION TILE	VCT
	VINYL WALL COVERING	VWC
	VOLUME	VOL.
W	WAREHOUSE	WHSE
	WATER CLOSET	WC
	WATER HEATER	W.H.
	WATER RESISTANT	WR
	WATERPROOF or WATERPROOFING	WP
	WEIGHT	WT.
	WELDED WIRE FABRIC	WWF
	WEST	W.
	WIDE FLANGE (STEEL)	W
	WITH	W/
	WOOD	WD.
Y	YARD	YD.

SYMBOL LEGEND



CENTERLINE
PROPERTY LINE
MATCH LINE
CHAIN LINK FENCE
EXISTING WALL
SECTION
FLOW LINE
CUT/FILL LINE
DAYLIGHT LINE
PROPOSED CONTOUR
EXIST. CONTOUR
EXISTING SANITARY SEWER UTILITY LINE
EXISTING WATER UTILITY LINE
EXISTING GAS UTILITY LINE
EXISTING ELECTRICAL UTILITY LINE
EXISTING TRAFFIC SIGNAL UTILITY LINE
EXISTING STREET LIGHT UTILITY LINE
EXISTING STORM DRAIN LINE
EXISTING TELEPHONE UTILITY LINE
EXISTING COMMUNICATION UTILITY LINE
EXISTING CATV UTILITY LINE
EXISTING OIL UTILITY LINE
FLOW DIRECTION
REVISION NUMBER
ASPHALT CONCRETE PAVEMENT
LANDSCAPING
PEDESTRIAN PCC PAVEMENT
VISIBILITY TRIANGLE
CONCRETE RIP-RAP
EXISTING ELEVATIONS
PROPOSED ELEVATIONS
FIRE HYDRANT
WATER VALVE
STREET LIGHT
PULL BOX
POWER POLE
WATER METER
WATER VALVE
ELECTRICAL VAULT

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STATE OF CALIFORNIA

Public Works
LOS ANGELES COUNTY

COUNTY OF LOS ANGELES
CALIFORNIA

NO.	DATE	REVISION

MAGIC JOHNSON PARK
MAKE READY &
PARKING PROJECT

12416 AVALON BLVD.
LOS ANGELES, CA 90061

PMA PROJECT NO.
21023.01

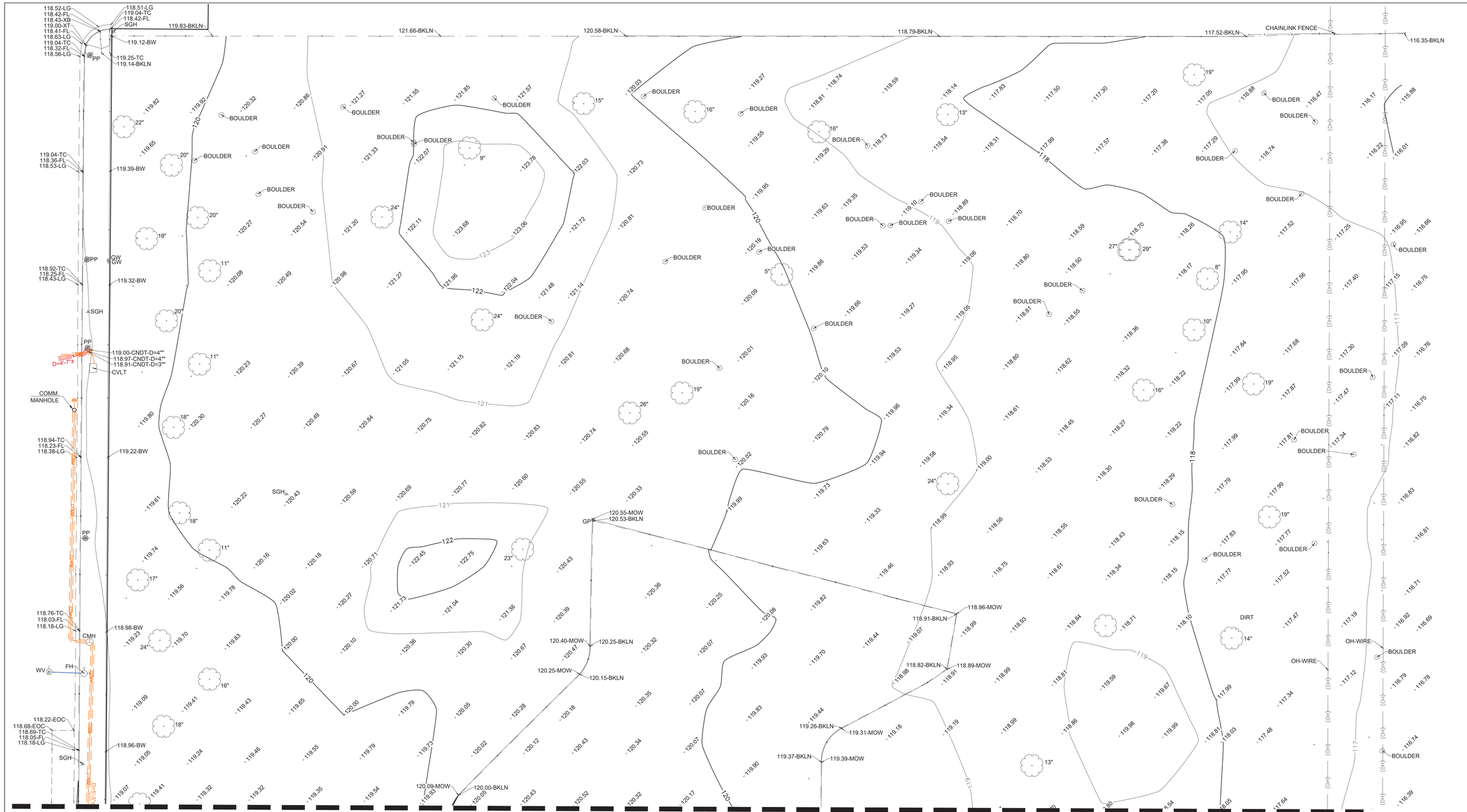
DRAWING TITLE
ABBREVIATIONS AND TYPICAL LEGEND

SCALE
AS SHOWN

DATE
06/01/2026

DRAWN: VC
CHECKED: BLH

SHEET NO.
G-1



ABBREVIATIONS:

ASPH	ASPHALT CONCRETE
BKLN	BREAKLINE
BKLN	BREAKLINE
BLDG	BUILDING
BW	BACK OF WALK
CB	CATCH BASIN
CMH	COMMUNICATION MANHOLE
DI	DRAIN INLET
EPNL	ELECTRICAL PANEL
EOA	EDGE OF ASPHALT
EOC	EDGE OF CONCRETE
FH	FIRE HYDRANT
FL	FLOWLINE
FS	FINISH SURFACE
GB	GRADE BREAK
GP	GUARD POST
GW	GUYWIRE
ICV	IRRIGATION CONTROL VALVE
LG	LIP OF GUTTER
MOW	MOW STRIP
PP	POWER POLE
SGH	SIGN
TC	TOP OF CURB
LP	LIGHT POST
TW	TREE WELL
U	UNKNOWN
UVLT	UNKNOWN VAULT
XB, XT	SIDEWALK RAMP
WL-F	FRONT OF WALL
WRIF	WROUGH IRON FENCE
WV	WATER VALVE

SYMBOLS:

- IRRIGATION CONTROL VALVE
- FIRE HYDRANT
- GUARD POST
- GUYWIRE
- JUNCTION BOX
- LIGHT POST
- POWER POLE
- SIGN
- TRAFFIC SIGNAL/LIGHT POST
- TREE
- WATER VALVE
- VAULT
- ELECTRICAL PANEL

LINETYPES:

- BREAKLINE
- CHAIN-LINK FENCE
- EDGE OF ASPHALT
- EDGE OF CONCRETE
- FLOWLINE
- LIP OF GUTTER
- TREE DRIPLINE
- OVER HANG WIRE
- WALL

UNDERGROUND UTILITY LOCATED

- COMMUNICATION LINE
- ELECTRICAL LINE
- TRAFFIC SIGNAL LINE
- STREET LIGHT
- WATER LINE

BASIS OF SURVEY:

THE BASIS OF HORIZONTAL CONTROL IS THE CALIFORNIA COORDINATE SYSTEM (CCS). ZONE 5, NORTH AMERICA DATUM OF 1983 (NAD 83), EPOCH 2017.5 CONSTRAINED LOCALLY TO THE FOLLOWING CALIFORNIA SPATIAL REFERENCE NETWORK (CSRN) STATIONS: CSDH, MHMS AND NOPK, PUBLISHED BY CALIFORNIA.

THE BASIS OF VERTICAL CONTROL IS THE NORTH AMERICAN DATUM OF 1988 (NAVD 88) SPECIFICALLY FROM THE COUNTY OF LOS ANGELES BENCHMARK:

BM RY187A ELEV: 136.911'

FOR REFERENCE ONLY

N

0 10' 20'

SCALE: 1"=20'

PREPARED FOR

LOS ANGELES COUNTY PARKS AND RECREATION

TITLE

MAGIC JOHNSON PARK
TOPOGRAPHIC SURVEY

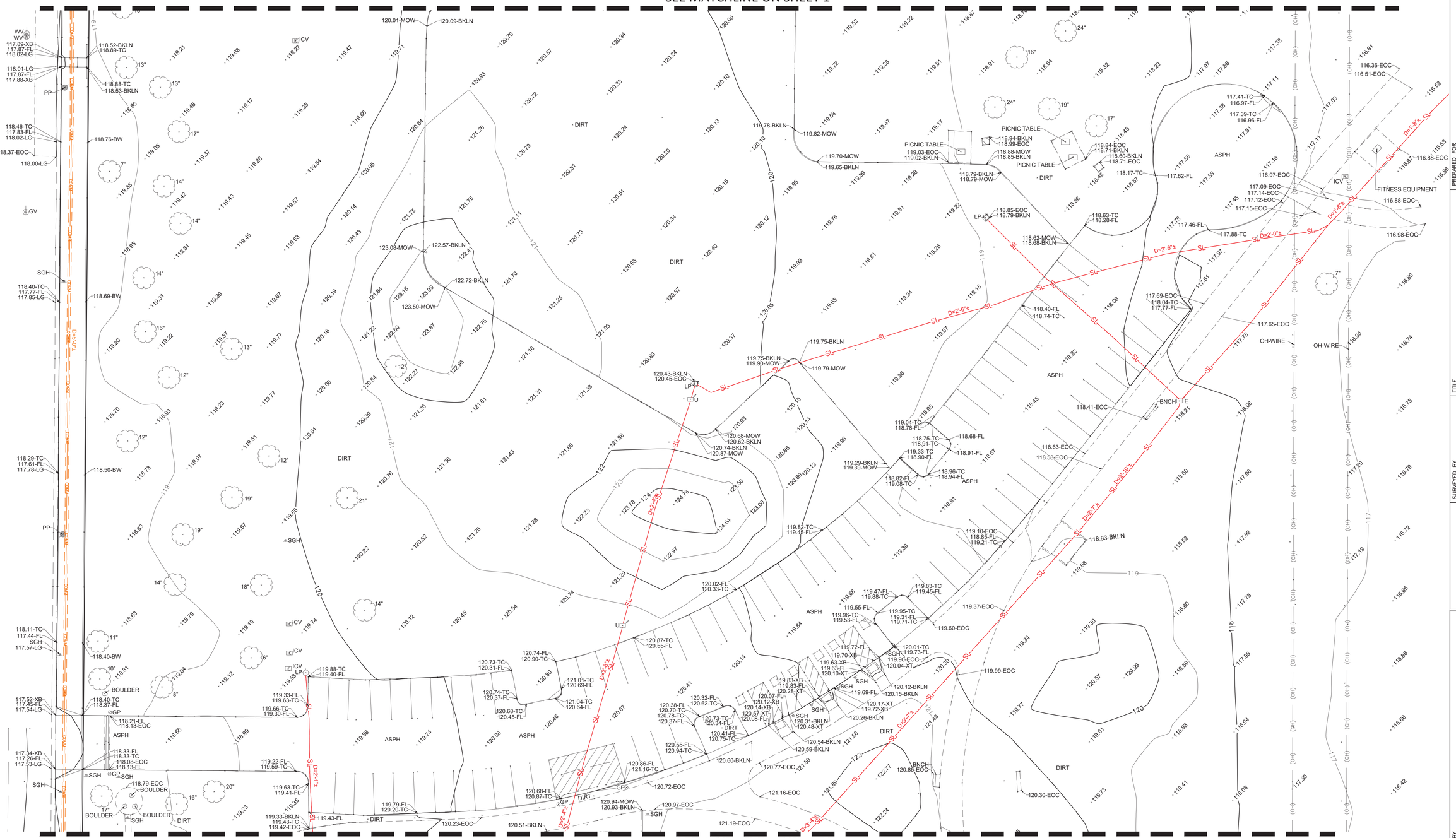
SURVEYED BY	JH
DRAWN BY	OG
CHECKED BY	HG
IN CHARGE	SW
DATE	04/10/2024

LICENSED LAND SURVEYOR STEVEN WAYNE WAGNER No. 5752 STATE OF CALIFORNIA

PREPARED BY
WES WAGNER ENGINEERING & SURVEY, INC.
17134 DEVONSHIRE STREET • SUITE 200 • NORTHRIDGE • CA • 91325-1619
818.892.6565 • FAX 818.488.9480 • mail@wesinc.org • www.wesinc.org

JOB NO.	2569-006
DRAWING NO.	
REV	
SCALE	1" = 20'
SHEET NO.	1 OF 5

SEE MATCHLINE ON SHEET 1



SEE MATCHLINE ON SHEET 3

FOR REFERENCE ONLY

N

0 10' 20'

SCALE: 1"=20'

PREPARED FOR

LOS ANGELES COUNTY
PARKS AND RECREATION

TITLE

MAGIC JOHNSON PARK
TOPOGRAPHIC SURVEY

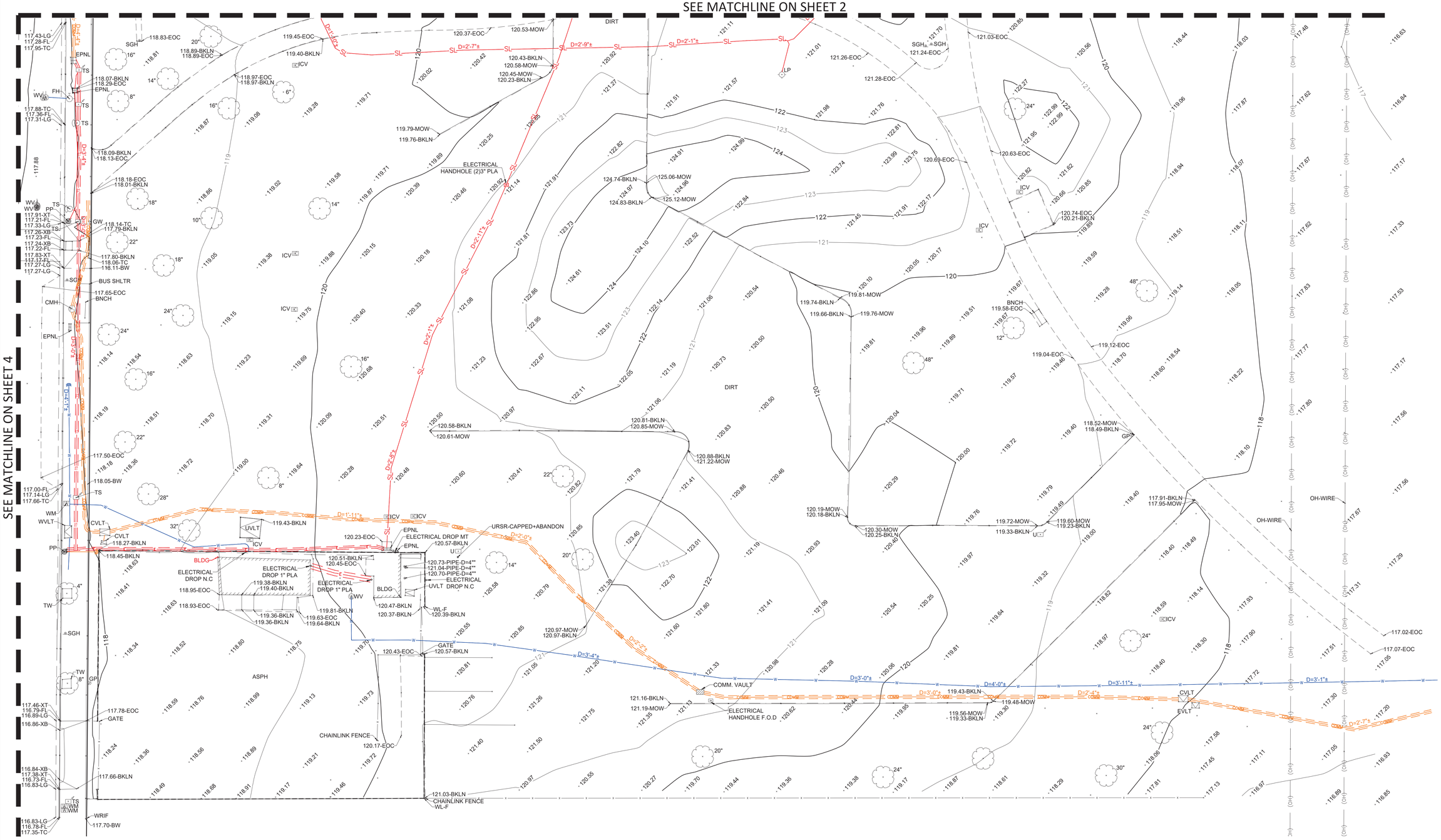
SURVEYED BY	JH
DRAWN BY	OG
CHECKED BY	HG
IN CHARGE	SW
DATE	04/10/2024

LICENSED LAND SURVEYOR * STEPHEN A. WAGNER * No. 5752 * STATE OF CALIFORNIA

PREPARED BY

WES WAGNER ENGINEERING & SURVEY, INC.
17134 DEVONSHIRE STREET • SUITE 200 • NORTHRIDGE • CA • 91325-1619
818.892.6565 • FAX 818.488.9480 • mail@wesinc.org • www.wesinc.org

JOB NO.	2569-006
DRAWING NO.	
REV	
SCALE	1" = 20'
SHEET NO.	2 OF 5



FOR REFERENCE ONLY

N

0 10' 20'

SCALE: 1"=20'

PREPARED FOR

LOS ANGELES COUNTY PARKS AND RECREATION

TITLE

MAGIC JOHNSON PARK
TOPOGRAPHIC SURVEY

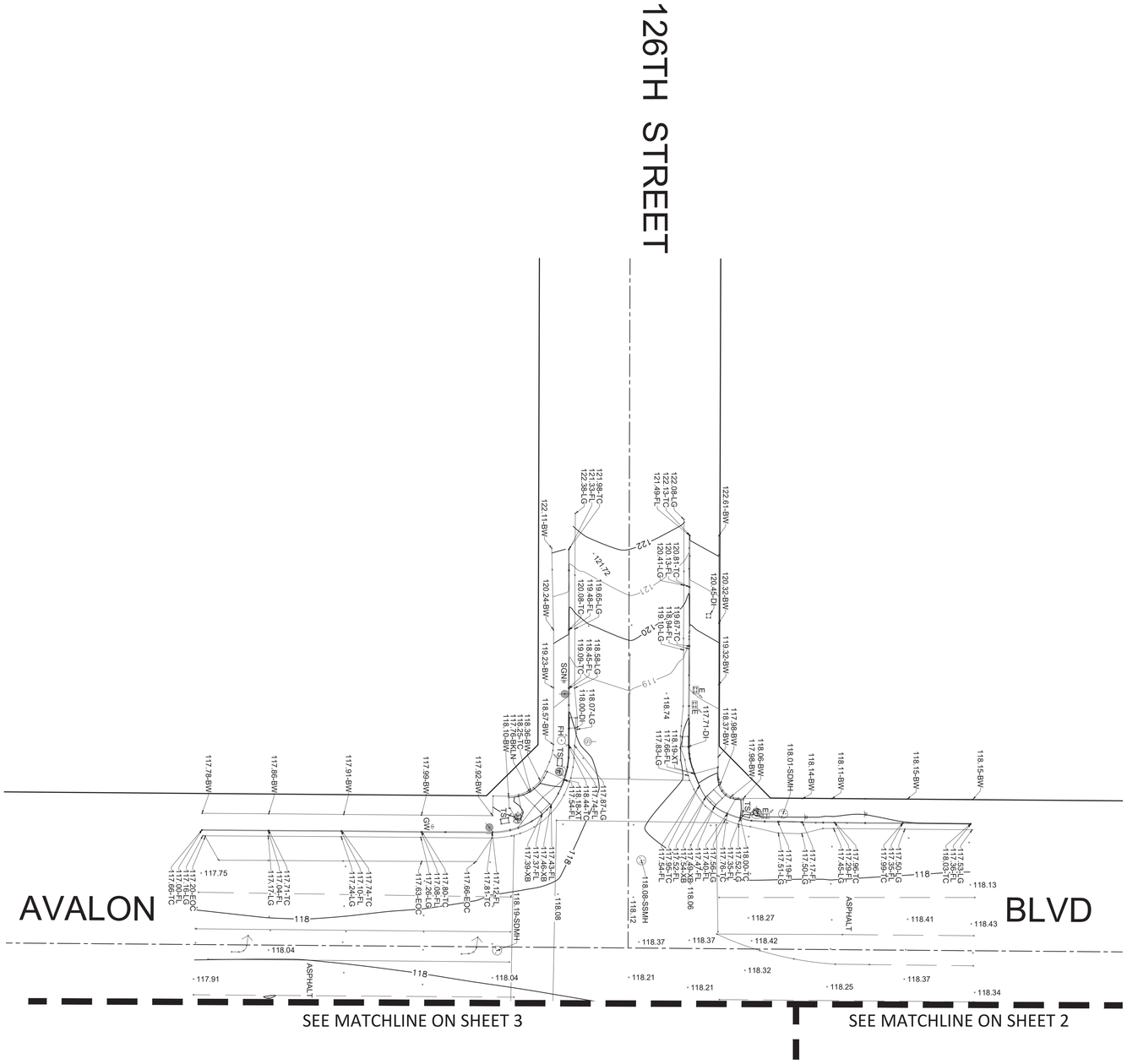
SURVEYED BY	JH
DRAWN BY	OG
CHECKED BY	HG
IN CHARGE	SW
DATE	04/10/2024

LICENSED LAND SURVEYOR STATE OF CALIFORNIA No. 5752 STEVEN WAGNER

PREPARED BY

WAGNER ENGINEERING & SURVEY, INC.
17134 DEVONSHIRE STREET • SUITE 200 • NORTHRIDGE • CA • 91325-1619
818.892.6565 • FAX 818.488.9480 • mail@wesinc.org • www.wesinc.org

JOB NO.	2569-006
DRAWING NO.	
REV	
SCALE	1" = 20'
SHEET NO.	3 OF 5

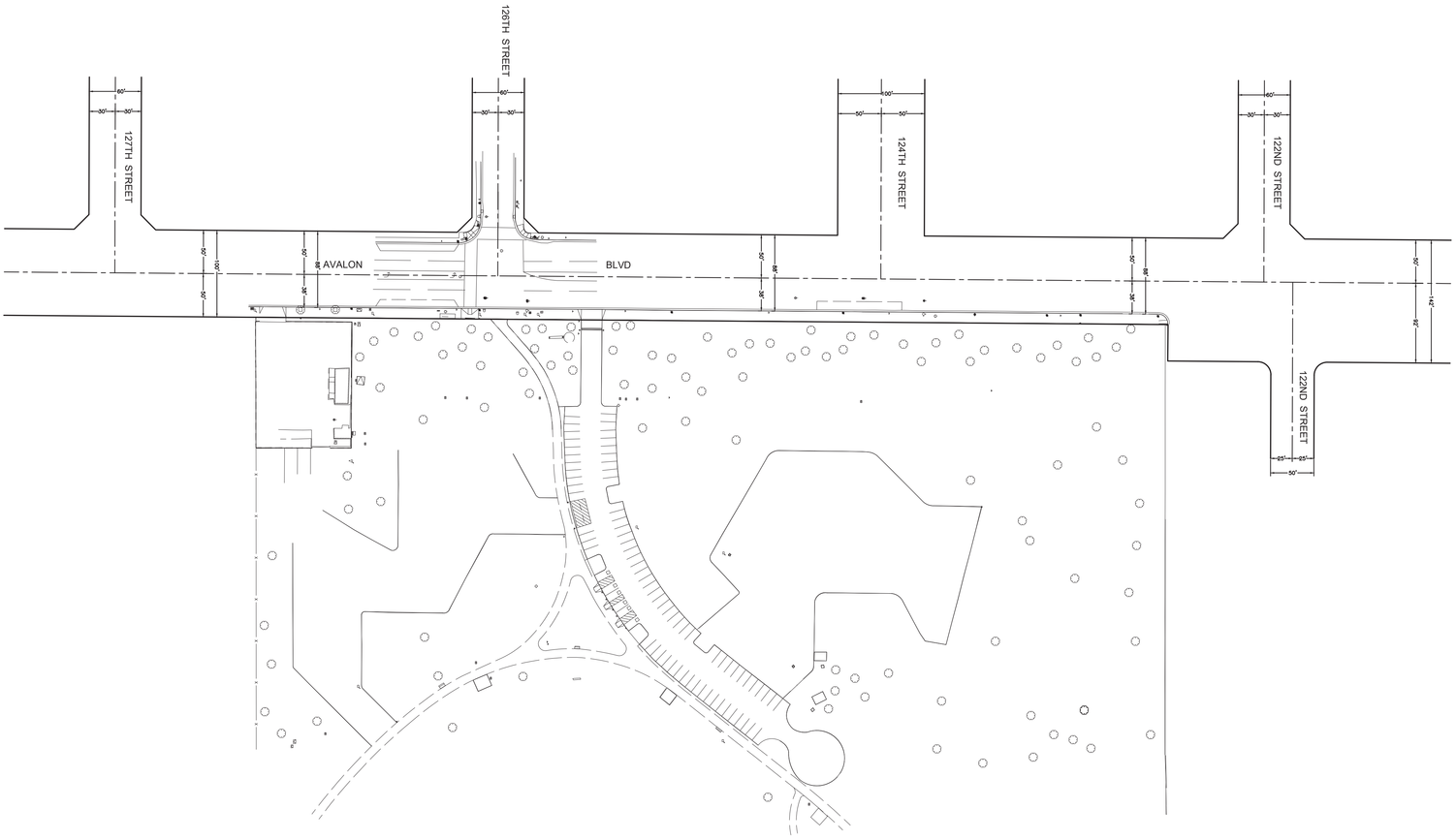


FOR REFERENCE ONLY

SCALE: 1"=20'

JOB NO. 2569-006	PREPARED BY WAGNER ENGINEERING & SURVEY, INC.	LICENSED LAND SURVEYOR No. 5752 STEPHANIE A. WAGNER STATE OF CALIFORNIA	SURVEYED BY JH	TITLE	PREPARED FOR
DRAWING NO. / REV	17134 DEVONSHIRE STREET • SUITE 200 • NORTHRIDGE • CA • 91325-1619		DRAWN BY OG	MAGIC JOHNSON PARK TOPOGRAPHIC SURVEY	LOS ANGELES COUNTY PARKS AND RECREATION
SCALE 1" = 20'	818.892.6565 • FAX 818.488.9480 • mail@wesinc.org • www.wesinc.org		CHECKED BY HG		
SHEET NO. 4 OF 5			IN CHARGE SW		
			DATE 04/10/2024		

R-3

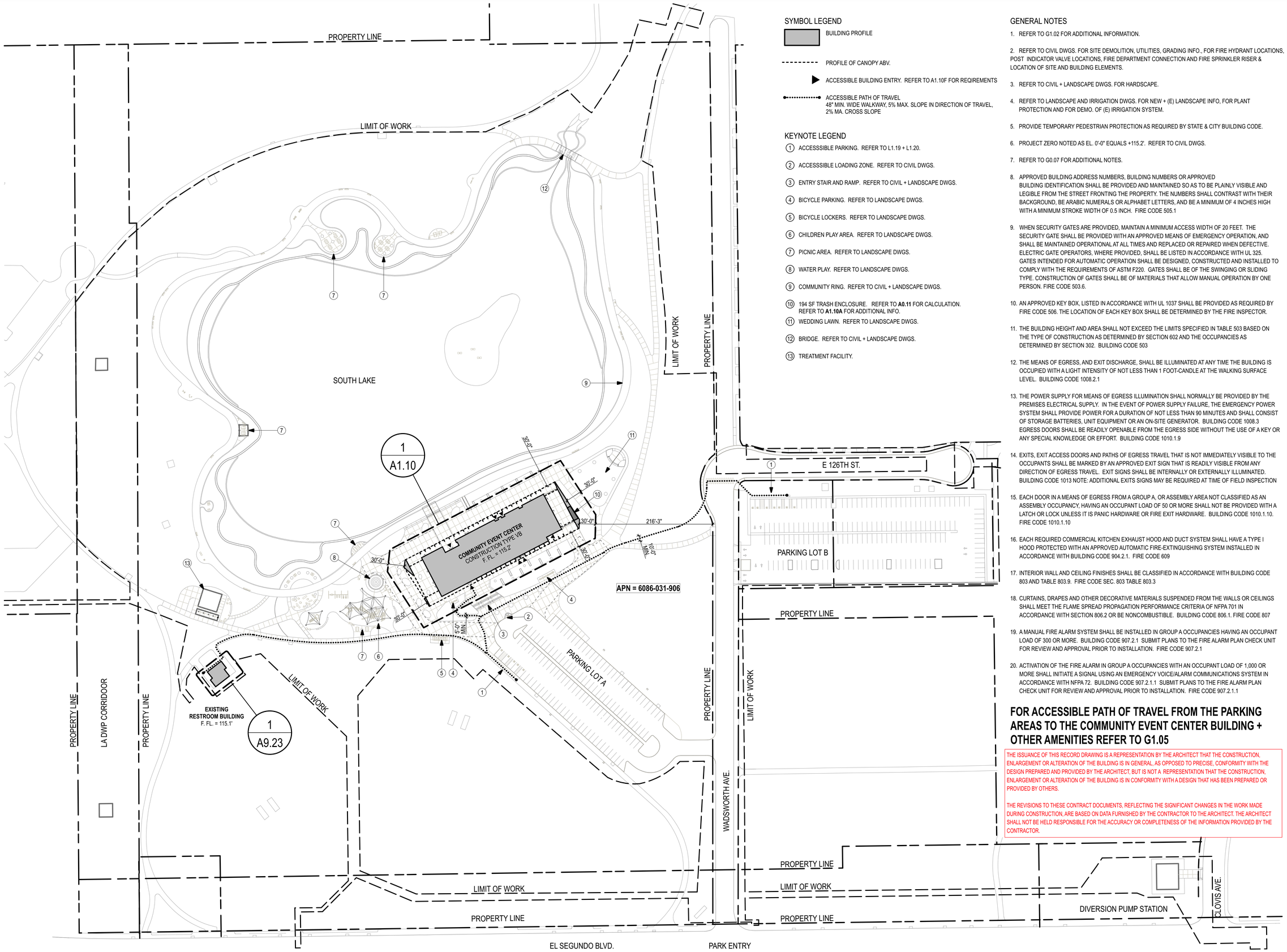


FOR REFERENCE ONLY

SCALE: 1"=80'
0 40' 80'
N

JOB NO. 2569-006	PREPARED BY WAGNER ENGINEERING & SURVEY, INC.	LICENSED LAND SURVEYOR STEPHANIE WAGNER No. 5752 STATE OF CALIFORNIA	SURVEYED BY JH	TITLE	PREPARED FOR
DRAWING NO. / REV	17134 DEVONSHIRE STREET • SUITE 200 • NORTHRIDGE • CA • 91325-1619		DRAWN BY OG	BOUNDARY & SURVEY	LOS ANGELES COUNTY PARKS AND RECREATION
SCALE 1" = 20'	818.892.6565 • FAX 818.488.9480 • mail@wesinc.org • www.wesinc.org		CHECKED BY HG		
SHEET NO. 5 OF 5			IN CHARGE SW		
			DATE 04/10/2024		

R-4



SYMBOL LEGEND

- BUILDING PROFILE
- PROFILE OF CANOPY ABV.
- ACCESSIBLE BUILDING ENTRY. REFER TO A1.10F FOR REQIREMENTS
- ACCESSIBLE PATH OF TRAVEL 48" MIN. WIDE WALKWAY, 5% MAX. SLOPE IN DIRECTION OF TRAVEL, 2% MA. CROSS SLOPE

KEYNOTE LEGEND

1. ACCESSSIBLE PARKING. REFER TO L1.19 + L1.20.
2. ACCESSSIBLE LOADING ZONE. REFER TO CIVIL DWGS.
3. ENTRY STAIR AND RAMP. REFER TO CIVIL + LANDSCAPE DWGS.
4. BICYCLE PARKING. REFER TO LANDSCAPE DWGS.
5. BICYCLE LOCKERS. REFER TO LANDSCAPE DWGS.
6. CHILDREN PLAY AREA. REFER TO LANDSCAPE DWGS.
7. PICNIC AREA. REFER TO LANDSCAPE DWGS.
8. WATER PLAY. REFER TO LANDSCAPE DWGS.
9. COMMUNITY RING. REFER TO CIVIL + LANDSCAPE DWGS.
10. 194 SF TRASH ENCLOSURE. REFER TO **A0.11** FOR CALCULATION. REFER TO **A1.10A** FOR ADDITIONAL INFO.
11. WEDDING LAWN. REFER TO LANDSCAPE DWGS.
12. BRIDGE. REFER TO CIVIL + LANDSCAPE DWGS.
13. TREATMENT FACILITY.

GENERAL NOTES

1. REFER TO G1.02 FOR ADDITIONAL INFORMATION.
2. REFER TO CIVIL DWGS. FOR SITE DEMOLITION, UTILITIES, GRADING INFO., FOR FIRE HYDRANT LOCATIONS, POST INDICATOR VALVE LOCATIONS, FIRE DEPARTMENT CONNECTION AND FIRE SPRINKLER RISER & LOCATION OF SITE AND BUILDING ELEMENTS.
3. REFER TO CIVIL + LANDSCAPE DWGS. FOR HARDSCAPE.
4. REFER TO LANDSCAPE AND IRRIGATION DWGS. FOR NEW + (E) LANDSCAPE INFO, FOR PLANT PROTECTION AND FOR DEMO. OF (E) IRRIGATION SYSTEM.
5. PROVIDE TEMPORARY PEDESTRIAN PROTECTION AS REQUIRED BY STATE & CITY BUILDING CODE.
6. PROJECT ZERO NOTED AS EL. 0'-0" EQUALS +115.2'. REFER TO CIVIL DWGS.
7. REFER TO G0.07 FOR ADDITIONAL NOTES.
8. APPROVED BUILDING ADDRESS NUMBERS, BUILDING NUMBERS OR APPROVED BUILDING IDENTIFICATION SHALL BE PROVIDED AND MAINTAINED SO AS TO BE PLAINLY VISIBLE AND LEGIBLE FROM THE STREET FRONTING THE PROPERTY. THE NUMBERS SHALL CONTRAST WITH THEIR BACKGROUND, BE ARABIC NUMERALS OR ALPHABET LETTERS, AND BE A MINIMUM OF 4 INCHES HIGH WITH A MINIMUM STROKE WIDTH OF 0.5 INCH. FIRE CODE 505.1
9. WHEN SECURITY GATES ARE PROVIDED, MAINTAIN A MINIMUM ACCESS WIDTH OF 20 FEET. THE SECURITY GATE SHALL BE PROVIDED WITH AN APPROVED MEANS OF EMERGENCY OPERATION, AND SHALL BE MAINTAINED OPERATIONAL AT ALL TIMES AND REPLACED OR REPAIRED WHEN DEFECTIVE. ELECTRIC GATE OPERATORS, WHERE PROVIDED, SHALL BE LISTED IN ACCORDANCE WITH UL 325. GATES INTENDED FOR AUTOMATIC OPERATION SHALL BE DESIGNED, CONSTRUCTED AND INSTALLED TO COMPLY WITH THE REQUIREMENTS OF ASTM F220. GATES SHALL BE OF THE SWINGING OR SLIDING TYPE. CONSTRUCTION OF GATES SHALL BE OF MATERIALS THAT ALLOW MANUAL OPERATION BY ONE PERSON. FIRE CODE 503.6.
10. AN APPROVED KEY BOX, LISTED IN ACCORDANCE WITH UL 1037 SHALL BE PROVIDED AS REQUIRED BY FIRE CODE 506. THE LOCATION OF EACH KEY BOX SHALL BE DETERMINED BY THE FIRE INSPECTOR.
11. THE BUILDING HEIGHT AND AREA SHALL NOT EXCEED THE LIMITS SPECIFIED IN TABLE 503 BASED ON THE TYPE OF CONSTRUCTION AS DETERMINED BY SECTION 602 AND THE OCCUPANCIES AS DETERMINED BY SECTION 302. BUILDING CODE 503
12. THE MEANS OF EGRESS, AND EXIT DISCHARGE, SHALL BE ILLUMINATED AT ANY TIME THE BUILDING IS OCCUPIED WITH A LIGHT INTENSITY OF NOT LESS THAN 1 FOOT-CANDLE AT THE WALKING SURFACE LEVEL. BUILDING CODE 1008.2.1
13. THE POWER SUPPLY FOR MEANS OF EGRESS ILLUMINATION SHALL NORMALLY BE PROVIDED BY THE PREMISES ELECTRICAL SUPPLY. IN THE EVENT OF POWER SUPPLY FAILURE, THE EMERGENCY POWER SYSTEM SHALL PROVIDE POWER FOR A DURATION OF NOT LESS THAN 90 MINUTES AND SHALL CONSIST OF STORAGE BATTERIES, UNIT EQUIPMENT OR AN ON-SITE GENERATOR. BUILDING CODE 1008.3 EGRESS DOORS SHALL BE READILY OPENABLE FROM THE EGRESS SIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT. BUILDING CODE 1010.1.9
14. EXITS, EXIT ACCESS DOORS AND PATHS OF EGRESS TRAVEL THAT IS NOT IMMEDIATELY VISIBLE TO THE OCCUPANTS SHALL BE MARKED BY AN APPROVED EXIT SIGN THAT IS READILY VISIBLE FROM ANY DIRECTION OF EGRESS TRAVEL. EXIT SIGNS SHALL BE INTERNALLY OR EXTERNALLY ILLUMINATED. BUILDING CODE 1013 NOTE: ADDITIONAL EXITS SIGNS MAY BE REQUIRED AT TIME OF FIELD INSPECTION
15. EACH DOOR IN A MEANS OF EGRESS FROM A GROUP A, OR ASSEMBLY AREA NOT CLASSIFIED AS AN ASSEMBLY OCCUPANCY, HAVING AN OCCUPANT LOAD OF 50 OR MORE SHALL NOT BE PROVIDED WITH A LATCH OR LOCK UNLESS IT IS PANIC HARDWARE OR FIRE EXIT HARDWARE. BUILDING CODE 1010.1.10. FIRE CODE 1010.1.10
16. EACH REQUIRED COMMERCIAL KITCHEN EXHAUST HOOD AND DUCT SYSTEM SHALL HAVE A TYPE I HOOD PROTECTED WITH AN APPROVED AUTOMATIC FIRE-EXTINGUISHING SYSTEM INSTALLED IN ACCORDANCE WITH BUILDING CODE 904.2.1. FIRE CODE 609
17. INTERIOR WALL AND CEILING FINISHES SHALL BE CLASSIFIED IN ACCORDANCE WITH BUILDING CODE 803 AND TABLE 803.9. FIRE CODE SEC. 803 TABLE 803.3
18. CURTAINS, DRAPES AND OTHER DECORATIVE MATERIALS SUSPENDED FROM THE WALLS OR CEILINGS SHALL MEET THE FLAME SPREAD PROPAGATION PERFORMANCE CRITERIA OF NFPA 701 IN ACCORDANCE WITH SECTION 806.2 OR BE NONCOMBUSTIBLE. BUILDING CODE 806.1. FIRE CODE 807
19. A MANUAL FIRE ALARM SYSTEM SHALL BE INSTALLED IN GROUP A OCCUPANCIES HAVING AN OCCUPANT LOAD OF 300 OR MORE. BUILDING CODE 907.2.1 SUBMIT PLANS TO THE FIRE ALARM PLAN CHECK UNIT FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION. FIRE CODE 907.2.1
20. ACTIVATION OF THE FIRE ALARM IN GROUP A OCCUPANCIES WITH AN OCCUPANT LOAD OF 1,000 OR MORE SHALL INITIATE A SIGNAL USING AN EMERGENCY VOICE/ALARM COMMUNICATIONS SYSTEM IN ACCORDANCE WITH NFPA 72. BUILDING CODE 907.2.1.1 SUBMIT PLANS TO THE FIRE ALARM PLAN CHECK UNIT FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION. FIRE CODE 907.2.1.1

FOR ACCESSIBLE PATH OF TRAVEL FROM THE PARKING AREAS TO THE COMMUNITY EVENT CENTER BUILDING + OTHER AMENITIES REFER TO G1.05

THE ISSUANCE OF THIS RECORD DRAWING IS A REPRESENTATION BY THE ARCHITECT THAT THE CONSTRUCTION, ENLARGEMENT OR ALTERATION OF THE BUILDING IS IN GENERAL, AS OPPOSED TO PRECISE, CONFORMITY WITH THE DESIGN PREPARED AND PROVIDED BY THE ARCHITECT, BUT IS NOT A REPRESENTATION THAT THE CONSTRUCTION, ENLARGEMENT OR ALTERATION OF THE BUILDING IS IN CONFORMITY WITH A DESIGN THAT HAS BEEN PREPARED OR PROVIDED BY OTHERS.

THE REVISIONS TO THESE CONTRACT DOCUMENTS, REFLECTING THE SIGNIFICANT CHANGES IN THE WORK MADE DURING CONSTRUCTION, ARE BASED ON DATA FURNISHED BY THE CONTRACTOR TO THE ARCHITECT. THE ARCHITECT SHALL NOT BE HELD RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF THE INFORMATION PROVIDED BY THE CONTRACTOR.

FOR REFERRENCE ONLY

AHBE
MIG
360 East Second Street
Suite 675
Los Angeles, CA 90012
213-694-3800
www.migcom.com

NOTICE REGARDING RECORD DRAWINGS

THE INFORMATION SHOWN ON THESE RECORD DRAWINGS HAS BEEN PROVIDED BY THE CONTRACTOR OF RECORD. THE DESIGN PROFESSIONAL HAS NOT VERIFIED THE ACCURACY AND/OR COMPLETENESS OF THE AS-BUILT INFORMATION PROVIDED BY THE CONTRACTOR, AND SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH MAY BE INCORPORATED HEREIN AS A RESULT.

COUNTY OF LOS ANGELES COMMUNITY DEVELOPMENT COMMISSION
700 West Main Street
Alhambra, CA 91801

EARVIN MAGIC JOHNSON PARK PHASE 1A

905 East El Segundo Blvd.
Los Angeles, CA 90059

PAUL MURDOCH ARCHITECTS
8820 Wilshire Blvd. Suite 330
Beverly Hills, California 90211
310 358-0993 F.310 358-9196

Issue dates

#	Date	Description
		RECORD DRAWINGS

Sheet title:

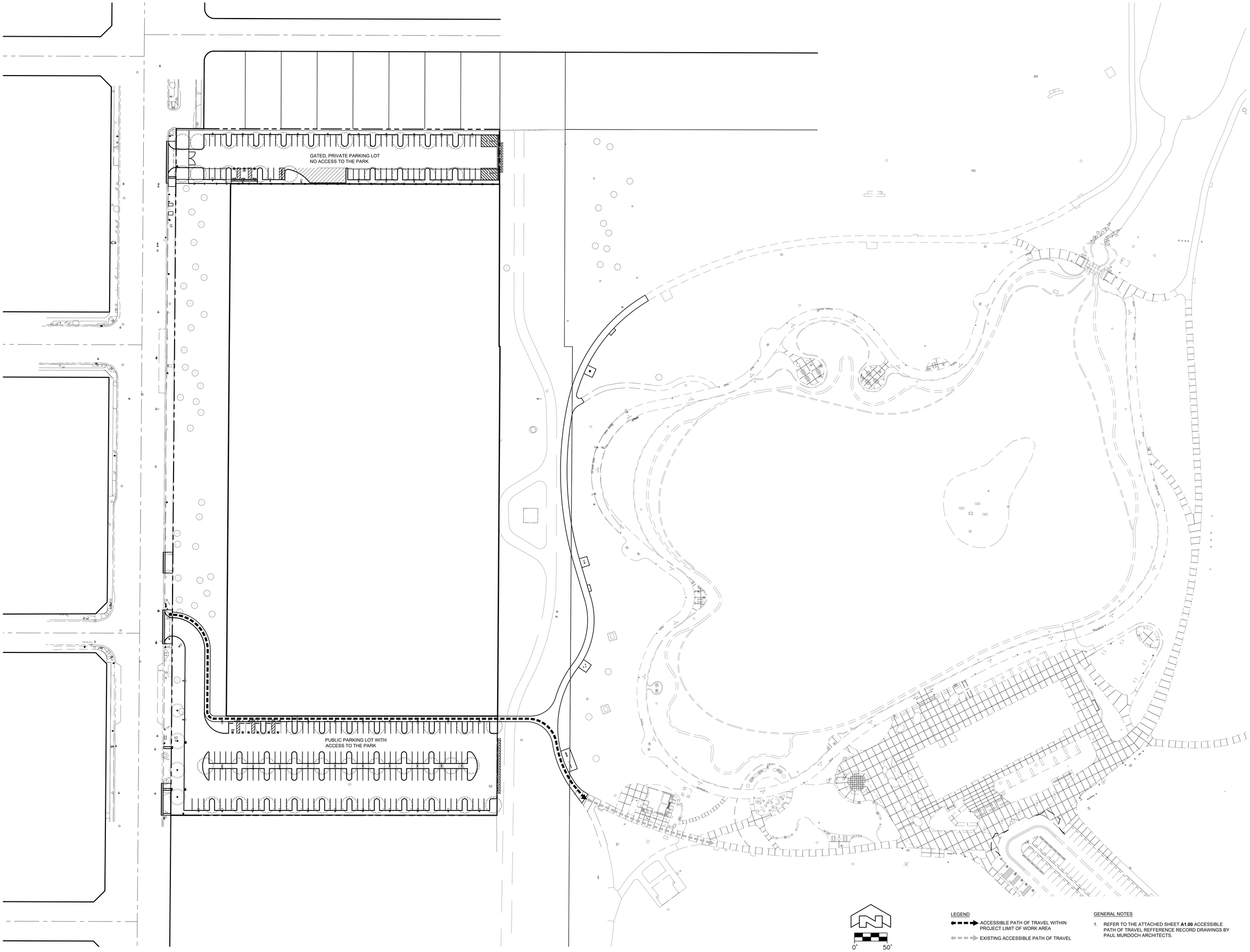
SITE PLAN

Designed by:	PM
Drawn by:	EC
Checked by:	MM
Project number:	116030.01

A1.00
R-5

RECORD DRAWINGS

Plotted by: Eric Cunningham Wednesday, September 22, 2021 6:21 PM /Volumes/PMAServer/PMA Projects/pma 16020 EMJ Park/04_WORKING_DOCUMENTS/02_BIM/03_Archicad/EMJ-RECORD-DRAWINGS-02.pln



LEGEND

ACCESSIBLE PATH OF TRAVEL WITHIN PROJECT LIMIT OF WORK AREA

EXISTING ACCESSIBLE PATH OF TRAVEL

GENERAL NOTES

1. REFER TO THE ATTACHED SHEET **A1.00** ACCESSIBLE PATH OF TRAVEL REFFERENCE RECORD DRAWINGS BY PAUL MURDOCH ARCHITECTS.

PAUL MURDOCH
ARCHITECTS

6310 SAN VICENTE BLVD SUITE 400
LOS ANGELES, CALIFORNIA 90048
310 358-0993

THE DRAWINGS AND SPECIFICATIONS AND IDEAS, DESIGN, AND ARRANGEMENTS REPRESENTED THEREBY ARE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT, AND NO PART THEREOF SHALL BE COPIED, DISCLOSED TO OTHERS, OR USED IN CONNECTION WITH ANY WORK OR PROJECT THAN THE SPECIFIC PROJECT FOR WHICH THEY HAVE BEEN PREPARED AND DEVELOPED WITHOUT THE WRITTEN CONSENT OF THE ARCHITECT. VISUAL CONTACT WITH THESE DRAWINGS OR SPECIFICATIONS SHALL CONSTITUTE CONCLUSIVE EVIDENCE OF ACCEPTANCE OF THESE RESTRICTIONS. WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB AND THIS OFFICE MUST BE NOTIFIED OF ANY VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN BY THESE DRAWINGS. SHOP DETAILS MUST BE SUBMITTED TO THIS OFFICE FOR REVIEW BEFORE PROCEEDING WITH FABRICATION

LICENSED ARCHITECT
PAUL A. MURDOCH
No. C 19061
Exp. 11/30/2027
STATE OF CALIFORNIA

Public Works
LOS ANGELES COUNTY

COUNTY OF LOS ANGELES
CALIFORNIA

NO.	DATE	REVISION

MAGIC JOHNSON PARK
MAKE READY &
PARKING PROJECT

12416 AVALON BLVD.
LOS ANGELES, CA 90061

PWA PROJECT NO.
21023.01

DRAWING TITLE
SITE PLAN
PATH OF TRAVEL

SCALE
1" = 50'

DATE
5/8/2026

DRAWN: AO
CHECKED: PM

SHEET NO.
A101

GENERAL INFORMATION

GRADING PERMIT APPLICATION NO. GRAD25120300005B8

EARTHWORK VOLUMES CUT _5196_ (CY), FILL _4770_ (CY)

OVER EXCAVATION/ ALLUVIAL REMOVAL & COMPACTION _N/A_ (CY)

EXPORT _426_ (CY), EXPORT LOCATION: _EXPORT WILL BE DISTRIBUTED TO SEPARATE LOCATION ON-SITE_

TOTAL DISTURBED AREA _12.441_ (ACRES)

TOTAL PROPOSED LANDSCAPE AREA _173,251_ SQUARE FEET

PRE-DEVELOPMENT IMPERVIOUS AREA _0.402_ (ACRES)

POST-DEVELOPMENT IMPERVIOUS AREA _2.322_ (ACRES)

WASTE DISCHARGE IDENTIFICATION NUMBER (WDID #) _4 19C412447_

CONSTRUCTION & DEMOLITION DEBRIS RECYCLING AND REUSE PLAN (RPP ID) _N/A_

POST-CONSTRUCTION BMP FEATURE(S) GPS COORDINATES _X 33.920814_ _Y -118.264945_
_X 33.920871_ _Y -118.263567_
_X 33.918539_ _Y -118.264962_
_X 33.920871_ _Y -118.263681_
_X 33.918465_ _Y -118.263693_
_X 33.918286_ _Y -118.264963_

PROPERTY INFORMATION

PROPERTY ADDRESSES _12416 AVALON BOULEVARD, LOS ANGELES, CA 90061_

TRACT/PARCEL MAP _POR SE 1/4, SECT 8, T3S R13W_ LOT/PARCEL NO. _N/A_

PROPERTY OWNER _COUNTY OF LOS ANGELES PARKS & RECREATION_

ASSESSORS ID NUMBERS _6086-034-914, 6086-034-915_

ZONING, REGIONAL PLANNING, AND OTHER AGENCY INFORMATION

PROPERTY ZONING: _O-S_

INTENDED LAND USE: _PARK_

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 REMOVAL 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 _N/A_)

GENERAL NOTES:

1. ALL GRADING AND CONSTRUCTION SHALL CONFORM TO THE 2023 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, FIELD ENGINEER, SOILS ENGINEER, GEOLOGIST, COUNTY GRADING INSPECTOR(S) OR THEIR REPRESENTATIVES, AND WHEN REQUIRED THE ARCHEOLOGIST OR OTHER JURISDICTIONAL AGENCIES. PERMITTEE OR THEIR AGENT ARE RESPONSIBLE FOR ARRANGING PRE-GRADE MEETING AND MUST NOTIFY THE BUILDING OFFICIAL AT LEAST TWO BUSINESS DAYS PRIOR TO THE 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. IF CONTAMINATED SOILS ARE ENCOUNTERED AT ANY TIME DURING GRADING ACTIVITIES, PERMITTEE SHALL STOP WORK UNTIL AN OVERSIGHT AGENCY APPROVAL IS RECEIVED. CONTACT LA COUNTY FIRE SIGHT MITIGATION UNIT AT (323) 890-4045 IMMEDIATELY.
10. 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.
11. 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.
12. NO GRADING OR CONSTRUCTION SHALL OCCUR WITHIN THE PROTECTED ZONE OF ANY PROTECTED TREE SPECIES AS REQUIRED PER PLANNING APPROVAL.
13. ~~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.~~
14. 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.
15. 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.
16. 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.

INSPECTION NOTES:

17. THE PERMITTEE OR HIS AGENT SHALL NOTIFY THE BUILDING OFFICIAL AT LEAST ONE WORKING DAY IN ADVANCE OF REQUIRED INSPECTIONS AT FOLLOWING STAGES OF THE WORK. (SECTION J105.7 OF THE BUILDING CODE.)
   (A) PRE-GRADE - BEFORE THE START OF ANY EARTH DISTURBING ACTIVITY OR CONSTRUCTION.
   (B) INITIAL - WHEN THE SITE HAS BEEN CLEARED OF VEGETATION AND UNAPPROVED FILL HAS BEEN SCARIFIED, BENCHED OR OTHERWISE PREPARED FOR FILL. FILL SHALL NOT BE PLACED PRIOR TO THIS INSPECTION. NOTE: PRIOR TO ANY CONSTRUCTION ACTIVITIES, INCLUDING GRADING, ALL STORM WATER POLLUTION PREVENTION MEASURES INCLUDING EROSION CONTROL DEVICES WHICH CONTAIN SEDIMENTS MUST BE INSTALLED.
   (C) ROUGH - WHEN APPROXIMATE FINAL ELEVATIONS HAVE BEEN ESTABLISHED; DRAINAGE TERRACES, SWALES AND BERMS INSTALLED AT THE TOP OF THE SLOPE; AND THE STATEMENTS REQUIRED IN THIS SECTION HAVE BEEN RECEIVED.
   (D) FINAL - WHEN GRADING HAS BEEN COMPLETED; ALL DRAINAGE DEVICES INSTALLED; SLOPE PLANTING ESTABLISHED, IRRIGATION SYSTEMS INSTALLED AND THE AS-BUILT PLANS, REQUIRED STATEMENTS, AND REPORTS HAVE BEEN SUBMITTED AND APPROVED.
18. IN ADDITION TO THE INSPECTION REQUIRED BY THE BUILDING OFFICIAL FOR GRADING, REPORTS AND STATEMENTS SHALL BE SUBMITTED TO THE BUILDING OFFICIAL IN ACCORDANCE WITH SECTION J105 OF THE COUNTY OF LOS ANGELES BUILDING CODE.
19. UNLESS OTHERWISE DIRECTED BY THE BUILDING OFFICIAL, THE FIELD ENGINEER FOR ALL ENGINEERED GRADING PROJECTS SHALL PREPARE ROUTINE INSPECTION REPORTS AS REQUIRED UNDER SECTION J105.11 OF THE COUNTY OF LOS ANGELES BUILDING CODE. THESE REPORTS, KNOWN AS "REPORT OF GRADING ACTIVITIES", SHALL BE SUBMITTED TO THE BUILDING OFFICIAL AS FOLLOWS:
   1. BI-WEEKLY DURING ALL TIMES WHEN GRADING OF 400 CUBIC YARDS OR MORE PER WEEK IS OCCURRING ON THE SITE;
   2. MONTHLY, AT ALL OTHER TIMES; AND
   3. AT ANY TIME WHEN REQUESTED IN WRITING BY THE BUILDING OFFICIAL.

   SUCH "REPORT OF GRADING ACTIVITIES" SHALL CERTIFY TO THE BUILDING OFFICIAL THAT THE FIELD ENGINEER HAS INSPECTED THE GRADING SITE AND RELATED ACTIVITIES AND HAS FOUND THEM IN COMPLIANCE WITH THE APPROVED GRADING PLANS AND SPECIFICATIONS, THE BUILDING CODE, ALL GRADING PERMIT CONDITIONS, AND ALL OTHER APPLICABLE ORDINANCES AND REQUIREMENTS. THIS FORM IS AVAILABLE AT THE FOLLOWING WEBSITE HTTPS://DPW.LACOUNTY.GOV/BSD/CONTENT/PUBLICATIONS.ASPX. "REPORT OF GRADING ACTIVITIES" MAY BE SCANNED AND UPLOADED IN THE ATTACHMENTS TAB AS A "RGA" (REPORTING OF GRADING ACTIVITY) DOCUMENT TYPE FOR PERMITS IN EPICLA OR ON THE WEBSITE HTTPS://DPW.LACOUNTY.GOV/BSD/DI/DEFAULT.ASPX FOR ALL OTHER GRADING PROJECTS. FAILURE TO PROVIDE REQUIRED INSPECTION REPORTS WILL RESULT IN A "STOP WORK ORDER."
20. ALL GRADED SITES MUST HAVE DRAINAGE SWALES, BERMS, AND OTHER DRAINAGE DEVICES INSTALLED PRIOR TO ROUGH GRADING APPROVAL PER SECTION J105.7 OF THE COUNTY OF LOS ANGELES BUILDING CODE.
21. THE GRADING CONTRACTOR SHALL SUBMIT THE STATEMENT TO THE GRADING INSPECTOR AS REQUIRED BY SECTION J105.12 OF THE COUNTY OF LOS ANGELES BUILDING CODE AT THE COMPLETION OF ROUGH GRADING.
22. FINAL GRADING MUST BE APPROVED BEFORE OCCUPANCY OF BUILDINGS WILL BE ALLOWED PER SECTION J105 OF THE COUNTY OF LOS ANGELES BUILDING CODE.
23. A PROPERTY LINE SURVEY, PREPARED BY A CA LICENSED LAND SURVEYOR OR A CIVIL ENGINEER WITH A LICENSE NUMBER BELOW C33986 MAY BE REQUIRED BY THE BUILDING OFFICIAL BASED UPON SITE CONDITIONS IN ACCORDANCE WITH LACBC SECTION 108.1.

DRAINAGE NOTES:

24. ~~ROOF DRAINAGE MUST BE DIVERTED FROM GRADED SLOPES.~~
25. PROVISIONS SHALL BE MADE FOR CONTRIBUTORY DRAINAGE AT ALL THESE.
26. ~~ALL CONSTRUCTION AND GRADING WITHIN A STORM DRAIN EASEMENT ARE TO BE DONE PER PRIVATE DRAIN PO NO. _____ OR _____ MISCELLANEOUS TRANSFER DRAIN WDID NO. _____~~
27. ALL STORM DRAIN WORK IS TO BE DONE UNDER CONTINUOUS INSPECTION BY THE FIELD ENGINEER. STATUS REPORTS REQUIRED UNDER NOTE 18 AND SECTION J105.11 OF THE COUNTY OF LOS ANGELES BUILDING CODE SHALL INCLUDE INSPECTION INFORMATION AND REPORTS ON THE STORM DRAIN INSTALLATION.

AGENCY NOTES:

28. AN ENCROACHMENT PERMIT FROM COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS IS REQUIRED FOR ALL WORK WITHIN OR AFFECTING ROAD RIGHT OF WAY. ALL WORK WITHIN ROAD RIGHT OF WAY SHALL CONFORM TO COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS ENCROACHMENT PERMIT.
29. ~~AN FLOOD CONSTRUCTION PERMIT/CONNECTION PERMIT IS REQUIRED FROM THE COUNTY OF LOS ANGELES FLOOD CONTROL DISTRICT FOR ALL WORK WITHIN THE COUNTY OF LOS ANGELES FLOOD CONTROL DISTRICT RIGHT OF WAY. ALL WORK SHALL CONFORM TO CONDITIONS SET BY THE PERMIT.~~
30. PERMISSION TO OPERATE IN VERY HIGH FIRE HAZARD SEVERITY ZONE MUST BE OBTAINED FROM THE FIRE PREVENTION BUREAU OR THE LOCAL FIRE STATION PRIOR TO COMMENCING WORK.
31. ~~ALL WORK WITHIN THE STREAMBED AND AREAS OUTLINED ON GRADING PLANS SHALL CONFORM TO:~~
   ~~ARMY CORP 404 PERMIT NUMBER: _____~~
   ~~CALIFORNIA FISH & WILDLIFE PERMIT NO.: _____~~
32. ALL CONSTRUCTION/DEMOLITION, GRADING, AND STORAGE OF BULK MATERIALS MUST COMPLY WITH THE LOCAL AQMD RULE 403 FOR FUGITIVE DUST. INFORMATION ON RULE 403 IS AVAILABLE AT AQMD'S WEBSITE HTTP://WWW.AVAQMD.COM.

GENERAL GEOTECHNICAL NOTES:

33. ALL WORK MUST BE IN COMPLIANCE WITH THE RECOMMENDATIONS INCLUDED IN THE GEOTECHNICAL CONSULTANT'S REPORT(S) AND THE APPROVED GRADING PLANS AND SPECIFICATIONS.
34. GRADING OPERATIONS MUST BE CONDUCTED UNDER PERIODIC INSPECTIONS BY THE GEOTECHNICAL CONSULTANTS WITH MONTHLY INSPECTION REPORTS TO BE SUBMITTED TO THE GEOLOGY AND SOILS SECTION. (900 S. FREMONT, ALHAMBRA CA 91803 - 3RD FLOOR)
35. THE SOIL ENGINEER SHALL PROVIDE SUFFICIENT INSPECTIONS DURING THE PREPARATION OF THE NATURAL GROUND AND THE PLACEMENT AND COMPACTION OF THE FILL TO BE SATISFIED THAT THE WORK IS BEING PERFORMED IN ACCORDANCE WITH THE PLAN AND APPLICABLE CODE REQUIREMENTS.
36. ROUGH GRADING MUST BE APPROVED BY A FINAL ENGINEERING GEOLOGY AND SOILS ENGINEERING REPORT. AN AS-BUILT GEOLOGIC MAP MUST BE INCLUDED IN THE FINAL GEOLOGY REPORT. PROVIDE A FINAL REPORT STATEMENT THAT VERIFIES WORK WAS DONE IN ACCORDANCE WITH REPORT RECOMMENDATIONS AND CODE PROVISIONS (SECTION J105.12 OF THE COUNTY OF LOS ANGELES BUILDING CODE). THE FINAL REPORT(S) MUST BE SUBMITTED TO THE GEOTECHNICAL AND MATERIALS ENGINEERING DIVISION FOR REVIEW AND APPROVAL.
37. FOUNDATION WALL ~~AND POOL~~ EXCAVATIONS MUST BE INSPECTED AND APPROVED BY THE CONSULTING GEOLOGIST AND SOIL ENGINEER, PRIOR TO THE PLACING OF STEEL OR CONCRETE.
38. ~~BUILDING PADS LOCATED IN CUT/FILL TRANSITION AREAS SHALL BE OVER-EXCAVATED A MINIMUM OF THREE (3) FEET BELOW THE PROPOSED BOTTOM OF FOOTING.~~

FILL NOTES:

39. ALL FILL SHALL BE COMPACTED TO THE FOLLOWING MINIMUM RELATIVE COMPACTION CRITERIA:
   A. 90 PERCENT OF MAXIMUM DRY DENSITY WITHIN 40 FEET BELOW FINISH GRADE.
   B. 93 PERCENT OF MAXIMUM DRY DENSITY DEEPER THAN 40 FEET BELOW FINISH GRADE, UNLESS A LOWER RELATIVE COMPACTION (NOT LESS THAN 90 PERCENT OF MAXIMUM DRY DENSITY) IS JUSTIFIED BY THE GEOTECHNICAL ENGINEER.

   THE RELATIVE COMPACTION SHALL BE DETERMINED BY A.S.T.M. SOIL COMPACTION TEST D1557-91 WHERE APPLICABLE:
   WHERE NOT APPLICABLE, A TEST ACCEPTABLE TO THE BUILDING OFFICIAL SHALL BE USED. (SECTION J107.5 OF THE COUNTY OF LOS ANGELES BUILDING CODE.)
   C. 95 PERCENT OF MAXIMUM DRY DENSITY IS REQUIRED FOR ALL FIRE LANES UNLESS OTHERWISE APPROVED BY THE FIRE DEPARTMENT.
40. FIELD DENSITY SHALL BE DETERMINED BY A METHOD ACCEPTABLE TO THE BUILDING OFFICIAL. (SECTION J107.5 OF THE COUNTY OF LOS ANGELES BUILDING CODE.) HOWEVER, NOT LESS THAN 10% OF THE REQUIRED DENSITY TEST, UNIFORMLY DISTRIBUTED, AND SHALL BE OBTAINED BY THE SAND CONE METHOD.
41. SUFFICIENT TESTS OF THE FILL SOILS SHALL BE MADE TO DETERMINE THE RELATIVE COMPACTION OF THE FILL IN ACCORDANCE WITH THE FOLLOWING MINIMUM GUIDELINES:
   A. ONE TEST FOR EACH TWO-FOOT VERTICAL LIFT.
   B. ONE TEST FOR EACH 1,000 CUBIC YARDS OF MATERIAL PLACED.
   C. ONE TEST AT THE LOCATION OF THE FINAL FILL SLOPE FOR EACH BUILDING SITE (LOT) IN EACH FOUR-FOOT VERTICAL LIFT OR PORTION THEREOF.
   D. ONE TEST IN THE VICINITY OF EACH BUILDING PAD FOR EACH FOUR-FOOT VERTICAL LIFT OR PORTION THEREOF.
42. SUFFICIENT TESTS OF FILL SOILS SHALL BE MADE TO VERIFY THAT THE SOIL PROPERTIES COMPLY WITH THE DESIGN REQUIREMENTS AS DETERMINED BY THE SOIL ENGINEER INCLUDING SOIL TYPES, SHEAR STRENGTHS PARAMETERS AND CORRESPONDING UNIT WEIGHTS IN ACCORDANCE WITH THE FOLLOWING GUIDELINES:
   A. PRIOR AND SUBSEQUENT TO PLACEMENT OF THE FILL, SHEAR TESTS SHALL BE TAKEN ON EACH TYPE OF SOIL OR SOIL MIXTURE TO BE USED FOR ALL FILL SLOPES STEEPER THAN THREE (3) HORIZONTAL TO ONE VERTICAL.
   B. SHEAR TEST RESULTS FOR THE PROPOSED FILL MATERIAL MUST MEET OR EXCEED THE DESIGN VALUES USED IN THE GEOTECHNICAL REPORT TO DETERMINE SLOPE STABILITY REQUIREMENTS. OTHERWISE, THE SLOPE MUST BE RECALCULATED USING THE ACTUAL SHEAR TEST VALUE OF THE FILL MATERIAL THAT IS IN PLACE.
   C. FILL SOILS SHALL BE FREE OF DELETERIOUS MATERIALS.
43. FILL SHALL NOT BE PLACED UNTIL STRIPPING OF VEGETATION, REMOVAL OF UNSUITABLE SOILS, AND INSTALLATION OF SUBDRAIN (IF ANY) HAVE BEEN INSPECTED AND APPROVED BY THE SOIL ENGINEER. THE BUILDING OFFICIAL MAY REQUIRE A "STANDARD TEST METHOD FOR MOISTURE, ASH, ORGANIC MATTER, PEAT OR OTHER ORGANIC SOILS" ASTM D-2974-87 ON ANY SUSPECT MATERIAL. DETRIMENTAL AMOUNTS OF ORGANIC MATERIAL SHALL NOT BE PERMITTED IN FILLS. SOIL CONTAINING SMALL AMOUNTS OF ROOTS MAY BE ALLOWED PROVIDED THAT THE ROOTS ARE IN A QUANTITY AND DISTRIBUTED IN A MANNER THAT WILL NOT BE DETRIMENTAL TO THE FUTURE USE OF THE SITE AND THE SOILS ENGINEER APPROVES THE USE OF SUCH MATERIAL.
44. ROCK OR SIMILAR MATERIAL GREATER THAN 12 INCHES IN DIAMETER SHALL NOT BE PLACED IN THE FILL UNLESS RECOMMENDATIONS FOR SUCH PLACEMENT HAVE BEEN SUBMITTED BY THE SOIL ENGINEER AND APPROVED IN ADVANCE BY THE BUILDING OFFICIAL. LOCATION, EXTENT, AND ELEVATION OF ROCK DISPOSAL AREAS MUST BE SHOWN ON AN "AS BUILT" GRADING PLAN.
45. CONTINUOUS INSPECTION BY THE SOIL ENGINEER, OR A RESPONSIBLE REPRESENTATIVE, SHALL BE PROVIDED DURING ALL FILL PLACEMENT AND COMPACTION OPERATIONS WHERE FILLS HAVE A DEPTH GREATER THAN 30 FEET OR SLOPE SURFACE STEEPER THAN 2:1. (SECTION J107.8 OF THE COUNTY OF LOS ANGELES BUILDING CODE)
46. CONTINUOUS INSPECTION BY THE SOIL ENGINEER, OR A RESPONSIBLE REPRESENTATIVE, SHALL BE PROVIDED DURING ALL SUBDRAIN INSTALLATION. (SECTION J107.2 OF THE COUNTY OF LOS ANGELES BUILDING CODE)
47. ALL SUBDRAIN OUTLETS ARE TO BE SURVEYED FOR LINE AND ELEVATION. SUBDRAIN INFORMATION MUST BE SHOWN ON AN "AS BUILT" GRADING PLAN.
48. FILL SLOPES IN EXCESS OF 2:1 STEEPNESS RATIO ARE TO BE CONSTRUCTED BY THE PLACEMENT OF SOIL AT SUFFICIENT DISTANCE BEYOND THE PROPOSED FINISH SLOPE TO ALLOW COMPACTION EQUIPMENT TO BE OPERATED AT THE OUTER LIMITS OF THE FINAL SLOPE SURFACE. THE EXCESS FILL IS TO BE REMOVED PRIOR TO COMPLETION OF ROUGH GRADING. OTHER CONSTRUCTION PROCEDURES MAY BE USED WHEN IT IS DEMONSTRATED TO THE SATISFACTION OF THE BUILDING OFFICIAL THAT THE ANGLE OF SLOPE, CONSTRUCTION METHOD AND OTHER FACTORS WILL HAVE EQUIVALENT EFFECT. (SECTION J107.5 OF THE COUNTY OF LOS ANGELES BUILDING CODE.)

PLANTING AND IRRIGATION NOTES:

49. PLANTING AND IRRIGATION ON GRADED SLOPES MUST COMPLY WITH THE FOLLOWING MINIMUM GUIDELINES:
   A. THE SURFACE OF ALL CUT SLOPES MORE THAN 5 FEET IN HEIGHT AND FILL SLOPES MORE THAN 3 FEET IN HEIGHT SHALL BE PROTECTED AGAINST DAMAGE BY EROSION BY PLANTING WITH GRASS OR GROUNDCOVER PLANTS. SLOPES EXCEEDING 15 FEET IN VERTICAL HEIGHT SHALL ALSO BE PLANTED WITH SHRUBS SPACED AT NOT TO EXCEED 10 FEET ON CENTERS; OR TREES, SPACED AT NOT TO EXCEED 20 FEET ON CENTERS, OR A COMBINATION OF SHRUBS AND TREES AT EQUIVALENT SPACING, IN ADDITION TO THE GRASS OR GROUNDCOVER PLANTS. THE PLANTS SELECTED AND PLANTING METHODS USED SHALL BE SUITABLE FOR THE SOIL AND CLIMATIC CONDITIONS OF THE SITE. PLANT MATERIAL MUST BE SELECTED WHICH WILL PRODUCE A COVERAGE OF PERMANENT PLANTING EFFECTIVELY CONTROLLING EROSION. CONSIDERATION SHALL BE GIVEN TO DEEP-ROOTED PLANTING MATERIAL NEEDING LIMITED WATERING, MAINTENANCE, AND TO ROOT TO SHOOT RATIO, WIND SUSCEPTIBILITY AND FIRE-RETARDANT CHARACTERISTICS. ALL PLANT MATERIALS MUST BE APPROVED BY THE BUILDING OFFICIAL. (SECTION J110.3 OF THE COUNTY OF LOS ANGELES BUILDING CODE)

   NOTE: PLANTING MAY BE MODIFIED FOR THE SITE IF SPECIFIC RECOMMENDATIONS ARE PROVIDED BY BOTH THE SOILS ENGINEER AND A LANDSCAPE ARCHITECT. SPECIFIC RECOMMENDATIONS MUST CONSIDER SOILS AND CLIMATIC CONDITIONS, IRRIGATION REQUIREMENTS, PLANTING METHODS, FIRE RETARDANT CHARACTERISTICS, WATER EFFICIENCY, MAINTENANCE NEEDS, AND OTHER REGULATORY REQUIREMENTS. RECOMMENDATIONS MUST INCLUDE A FINDING THAT THE ALTERNATIVE PLANTING WILL PROVIDE A PERMANENT AND EFFECTIVE METHOD OF EROSION CONTROL. MODIFICATIONS TO PLANTING MUST BE APPROVED BY THE BUILDING OFFICIAL PRIOR TO INSTALLATION.
   B. SLOPES REQUIRED TO BE PLANTED BY SECTION J110.3 SHALL BE PROVIDED WITH AN APPROVED SYSTEM OF IRRIGATION THAT IS DESIGNED TO COVER ALL PORTIONS OF THE SLOPE. IRRIGATION SYSTEM PLANS SHALL BE SUBMITTED AND APPROVED PRIOR TO INSTALLATION. A FUNCTIONAL TEST OF THE SYSTEM MAY BE REQUIRED. FOR SLOPES LESS THAN 20 FEET IN VERTICAL HEIGHT, HOSE BIBS TO PERMIT HAND WATERING WILL BE ACCEPTABLE IF SUCH HOSE BIBS ARE INSTALLED AT CONVENIENTLY ACCESSIBLE LOCATIONS WHERE A HOSE NO LONGER THAN 50 FEET IS NECESSARY FOR IRRIGATION. THE REQUIREMENTS FOR PERMANENT IRRIGATION SYSTEMS MAY BE MODIFIED SPECIFICALLY BY THE BUILDING OFFICIAL IF A LANDSCAPE ARCHITECT OR EQUIVALENT AUTHORITY THAT, BECAUSE OF THE TYPE OF PLANTS SELECTED, THE PLANTING METHODS USED AND THE SOIL AND CLIMATIC CONDITIONS AT THE SITE, IRRIGATION WILL NOT BE NECESSARY FOR THE MAINTENANCE OF THE SLOPE PLANTING. (SECTION J110.4 OF THE COUNTY OF LOS ANGELES BUILDING CODE)
   C. OTHER GOVERNMENTAL AGENCIES MAY HAVE ADDITIONAL REQUIREMENTS FOR LANDSCAPING AND IRRIGATION. IT IS THE RESPONSIBILITY OF THE APPLICANT TO COORDINATE WITH OTHER AGENCIES TO MEET THEIR REQUIREMENTS WHILE MAINTAINING COMPLIANCE WITH THE COUNTY OF LOS ANGELES BUILDING CODE.
50. THE PLANTING AND IRRIGATION SYSTEMS SHALL BE INSTALLED AS SOON AS PRACTICAL AFTER ROUGH GRADING. PRIOR TO FINAL GRADING APPROVAL ALL REQUIRED SLOPE PLANTING MUST BE WELL ESTABLISHED. (SECTION J110.7 OF THE COUNTY OF LOS ANGELES BUILDING CODE)
51. LANDSCAPE IRRIGATION SYSTEM SHALL BE DESIGNED AND MAINTAINED TO PREVENT SPRAY ON STRUCTURES. (TITLE 31, SECTION 5.407.2.1)
52. PRIOR TO ROUGH GRADE APPROVAL THIS PROJECT REQUIRES A LANDSCAPE PERMIT. LANDSCAPE PLANS IN COMPLIANCE WITH THE "MODEL WATER EFFICIENT LANDSCAPE ORDINANCE" TITLE 23, CHAPTER 2.7 OF CALIFORNIA CODE OF REGULATIONS (AB 1881) MUST BE SUBMITTED TO THE DEPARTMENT OF PUBLIC WORKS, LAND DEVELOPMENT DIVISION. (900 S. FREMONT AVE, ALHAMBRA - 3RD FLOOR, CA 91803 (626) 458-4921). TO OBTAIN LANDSCAPE PERMIT APPROVED PLANS AND WATER PURVEYOR ACKNOWLEDGMENT FORM MUST BE SUBMITTED TO THE LOCAL BUILDING AND SAFETY OFFICE.

UTILITIES

53. UTILITIES, SUCH AS WATER, ELECTRICAL, PLUMBING, MECHANICAL, AND SEWER SHOWN ON GRADING PLANS, MAY REQUIRE A SEPARATE PERMIT. ADD NOTE ON GRADING PLANS/UTILITY PLANS WHICH LABELS THE UTILITIES ARE PROVIDED FOR REFERENCE ONLY AND SEPARATE PERMITS MAY BE REQUIRED.

ENGINEER'S NOTES TO CONTRACTOR:

THE LOCATION OF EXISTING UTILITIES WAS MADE BY A SEARCH OF AVAILABLE RECORDS. NO WARRANTY AS TO THE ACTUAL LOCATION OR DEPTH OF THE EXISTING UTILITIES IS EXPRESSED OR IMPLIED.

THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR THE LOCATION AND PROTECTION OF ALL UTILITIES WITHIN THE LIMITS OF THIS PROJECT. THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION AND DEPTH OF ALL POINTS OF CONNECTION TO EXISTING UTILITIES. SHOULD ANY LOCATION OR DEPTH SUBSTANTIALLY DEVIATE FROM THE LOCATION AND/OR DEPTH SHOWN ON THE PLANS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF SUCH A DISCREPANCY TO ALLOW FOR REVIEW AND ADJUSTMENT TO BE MADE BY THE ENGINEER TO THE LOCATION AND/OR DEPTH OF THE POINT OF CONNECTION, IF REQUIRED.

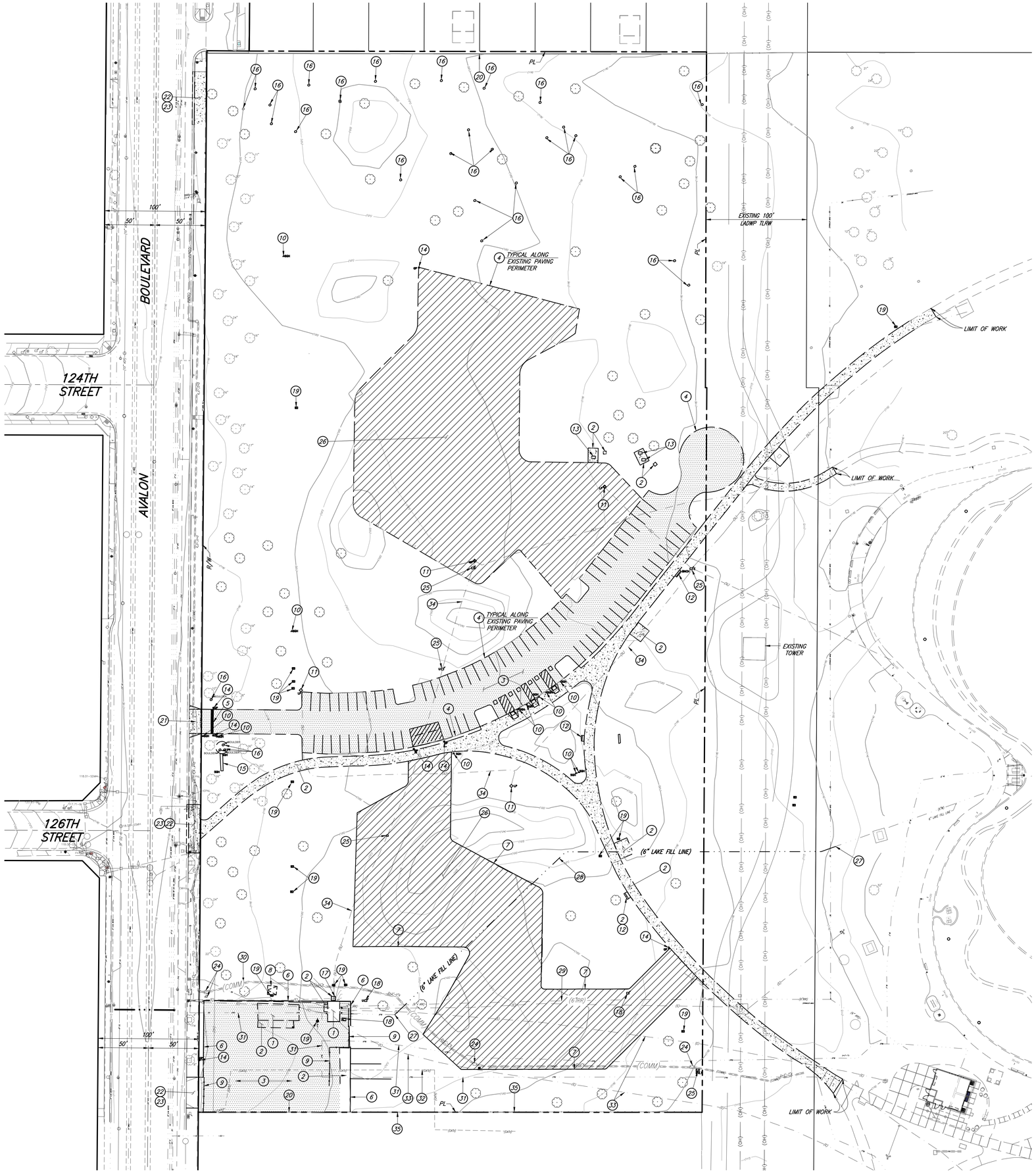
THE ESTIMATE OF CUT AND FILL VOLUMES WAS MADE BASED ON THE DIFFERENCE BETWEEN THE DESIGN FINISH GRADES AND THE EXISTING FINISH GRADE FROM THE TOPOGRAPHIC SURVEY. NO ALLOWANCE HAS BEEN MADE FOR FINISH PAVING THICKNESS OR IMPORT OF PLANTING SOIL OR SOIL AMENDMENTS FOR PLANTING AREAS. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN ESTIMATE OF GRADING QUANTITIES, INCLUDING ALLOWANCES FOR PAVING THICKNESS OR IMPORT OF PLANTER SOIL OR SOIL AMENDMENTS.

SURVEYOR'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 PERMANENT MONUMENTS; AND SHALL FILE THE REQUISITE CORNER RECORD OR RECORD OF SURVEY OF THE REFERENCES WITH THE COUNTY SURVEYOR.

SURVEYOR SEAL & SIGNATURE _____ DATE _____

ENGINEER'S ESTIMATE OF EARTHWORK QUANTITIES
(NOT



DEMOLITION NOTES:

1. REMOVE EXISTING BUILDING & FOUNDATION FOOTING.
2. REMOVE EXISTING CONCRETE PAVING & BASE.
3. REMOVE EXISTING ASPHALT PAVING & BASE.
4. REMOVE EXISTING CONCRETE CURB.
5. REMOVE EXISTING TRENCH DRAIN. CONTRACTOR TO LOCATE AND REMOVE ASSOCIATED STORM DRAIN PIPING.
6. REMOVE EXISTING BLOCK WALL & FOOTING.
7. REMOVE EXISTING MOW STRIP.
8. REMOVE EXISTING UTILITY VAULT. CONTRACTOR TO INVESTIGATE UTILITY AND COORDINATE REMOVAL WITH UTILITY COMPANY.
9. REMOVE EXISTING CHAIN LINK FENCE/GATE.
10. REMOVE EXISTING SIGN, POST AND FOOTING.
11. REMOVE EXISTING LIGHT POST. SEE ELECTRICAL PLANS.
12. REMOVE EXISTING BENCH. SALVAGE FOR REUSE.
13. REMOVE EXISTING PICNIC TABLE. SALVAGE FOR REUSE.
14. REMOVE EXISTING GUARD POST.
15. REMOVE EXISTING MONUMENT SIGN. SALVAGE AND RETURN TO OWNER.
16. REMOVE EXISTING BOULDER.
17. REMOVE EXISTING ELECTRICAL PANEL.
18. REMOVE EXISTING UTILITY PULLBOX. CONTRACTOR TO INVESTIGATE UTILITY AND COORDINATE REMOVAL WITH UTILITY COMPANY.
19. REMOVE EXISTING IRRIGATION CONTROL VALVE. CONTRACTOR TO DETERMINE WHETHER OR NOT IRRIGATION LINE IS IN USE & NOTIFY ENGINEER.
20. PROTECT EXISTING WALL IN PLACE.
21. REMOVE EXISTING DRIVEWAY APRON.
22. REMOVE EXISTING SIDEWALK.
23. REMOVE EXISTING CURB AND GUTTER.
24. PROTECT EXISTING COMMUNICATIONS VAULT.
25. REMOVE EXISTING ELECTRIC PULLBOX. SEE ELECTRICAL PLANS.
26. REMOVE EXISTING DECOMPOSED GRANITE.
27. CUT & CAP EXISTING LAKE FILL LINE. SEE SHEET C302 FOR REROUTING OF 6" LAKE FILL LINE.
28. REMOVE EXISTING LAKE FILL LINE.
29. PROTECT EXISTING SPRINKLER MAIN IN PLACE.
30. PROTECT EXISTING COMMUNICATIONS CONDUIT IN PLACE.
31. PROTECT EXISTING WATER PIPE IN PLACE.
32. PROTECT EXISTING CABLE CONDUIT IN PLACE.
33. PROTECT EXISTING ELECTRICAL CONDUIT IN PLACE.
34. REMOVE EXISTING LIGHTING CONDUIT.
35. PROTECT EXISTING CHAIN LINK FENCE IN PLACE.

NOTE:
CONTRACTOR IS RESPONSIBLE FOR REMOVING DEMOLISHED ITEMS OFF SITE AND SHALL DISPOSE OF THESE ITEMS AT A LEGAL DUMPSITE UNLESS OTHERWISE NOTED.

SEE LANDSCAPE PLANS FOR DISPOSITION OF EXISTING TREES.

NOTE:
SEE STREET IMPROVEMENT PLAN EIM 2026000174 FOR IMPROVEMENTS IN THE PUBLIC RIGHT OF WAY.

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LOS ANGELES, CALIFORNIA 90048
310 358-0993

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REGISTERED PROFESSIONAL ENGINEER
BARBARA L. HALL
No. 42206
Exp. 03/31/28
CIVIL
STATE OF CALIFORNIA

Public Works
LOS ANGELES COUNTY

COUNTY OF LOS ANGELES
CALIFORNIA

NO.	DATE	REVISION

MAGIC JOHNSON PARK
MAKE READY &
PARKING PROJECT

12416 AVALON BLVD.
LOS ANGELES, CA 90061

HMA PROJECT NO.
21023.01

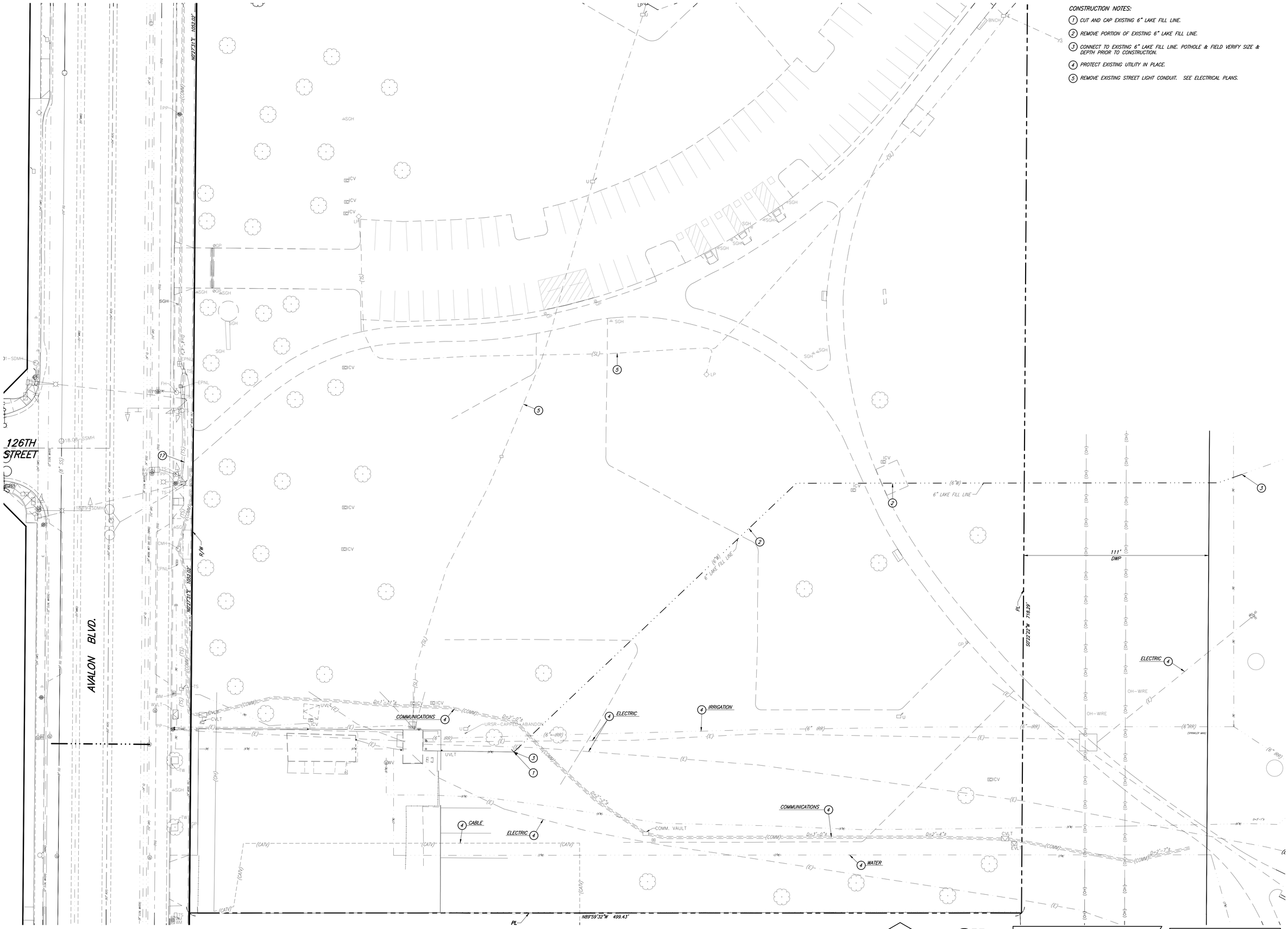
DRAWING TITLE
DEMOLITION PLAN

SCALE
AS SHOWN

DATE
06/01/2026

DRAWN VC
CHECKED BLH

SHEET NO.
C102



CONSTRUCTION NOTES:

1. CUT AND CAP EXISTING 6" LAKE FILL LINE.
2. REMOVE PORTION OF EXISTING 6" LAKE FILL LINE.
3. CONNECT TO EXISTING 6" LAKE FILL LINE. POTHOLE & FIELD VERIFY SIZE & DEPTH PRIOR TO CONSTRUCTION.
4. PROTECT EXISTING UTILITY IN PLACE.
5. REMOVE EXISTING STREET LIGHT CONDUIT. SEE ELECTRICAL PLANS.

NOTE:
SEE STREET IMPROVEMENT PLAN EIM 2026000174 FOR IMPROVEMENTS IN THE PUBLIC RIGHT OF WAY.

0' 30'

Know what's below. Call before you dig.

LACo BENCHMARK NO. RY187A EL. 136.911 FT 41.731 M
RDBM TAG IN N CB 1FT W/O BCR @ NW COR MAIN ST & EL SEGUNDO BLVD.
WATTS QUAD 2013
NAVD88

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

PAUL MURDOCH ARCHITECTS
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LOS ANGELES, CALIFORNIA 90048
310 358-0993

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LOS ANGELES COUNTY

COUNTY OF LOS ANGELES
CALIFORNIA

NO.	DATE	REVISION

MAGIC JOHNSON PARK
MAKE READY &
PARKING PROJECT

12416 AVALON BLVD.
LOS ANGELES, CA 90061

PMA PROJECT NO.
21023.01

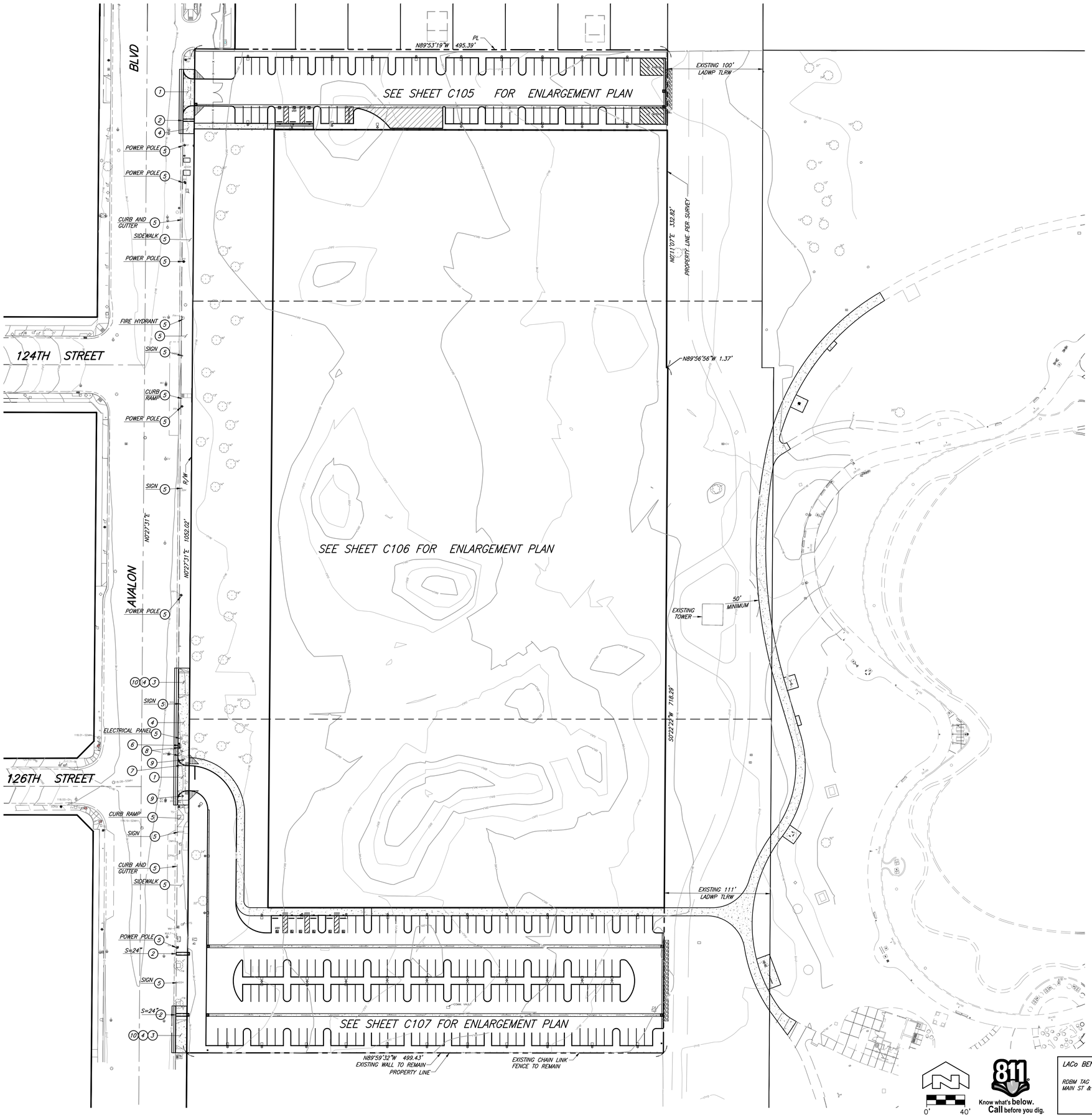
DRAWING TITLE
UTILITY
DEMOLITION
PLAN

SCALE
AS SHOWN

DATE
06/01/2026

DRAWN VC
CHECKED BLH

SHEET NO.
C103



CONSTRUCTION NOTES:

1. NEW COMMERCIAL DRIVEWAY APPROACH PER SPPWC STD. PLAN 110-2, MODIFIED TYPE C. R=12', Y=8', W=28'.
2. NEW PARKWAY DRAIN PER SPPWC STD. PLAN 151-3, INLET TYPE 1, S=PER PLAN.
3. CLOSE EXISTING DRIVEWAY.
4. NEW 4" THICK PCC SIDEWALK PER SPPWC STD. PLAN 112-2 & 113-2.
5. EXISTING TO REMAIN. SEE PLAN FOR TYPE.
6. NEW TRAFFIC SIGNAL POLE PER TRAFFIC SIGNAL PLAN.
7. REMOVE EXISTING TRAFFIC SIGNAL POLE. SEE TRAFFIC SIGNAL PLAN.
8. RELOCATE EXISTING FIRE HYDRANT.
9. PEDESTRIAN PUSH BOTTON. SEE TRAFFIC SIGNAL PLAN.
10. NEW CURB & GUTTER PER SPPWC STD. PLAN 120, A2-8(200).
11. 10' X 10' VISIBILITY TRIANGLE AT RIGHT OF WAY. THERE SHALL BE NO SOLID STRUCTURES MORE THAN 3.5' HIGH WITHIN THE PEDESTRIAN SIGHT TRIANGLES.

NOTE:

CONTRACTOR TO MAINTAIN CONTINUITY OF THE EXISTING FITNESS TRAIL DURING CONSTRUCTION.

CONTRACTOR TO REPAIR AND/OR REPLACE ANY EXISTING STREET IMPROVEMENTS DAMAGED DURING CONSTRUCTION.

NORTH LOT	
STAFF PARKING	
STANDARD STALLS	68
ADA – STANDARD	2
ADA – VAN ACCESSIBLE	1
TOTAL	71

SOUTH LOT – VISITOR PARKING	
STANDARD STALLS	154
ADA – STANDARD	5
ADA – VAN ACCESSIBLE	1
TOTAL	160

LEGEND

- CHAIN LINK FENCE
- PEDESTRIAN PCC PAVEMENT
- CONCRETE RIP-RAP

NOTE:

SEE STREET IMPROVEMENT PLAN EIM 2026000174 FOR IMPROVEMENTS IN THE PUBLIC RIGHT OF WAY.

0' 40'

Know what's below. Call before you dig.

LACo BENCHMARK NO. RY187A EL. 136.911 FT 41.731 M

RDBM TAG IN N CB 1FT W/O BCR @ NW COR MAIN ST & EL SEGUNDO BLVD.

WATTS QUAD 2013
NAVD88

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318 West Evergreen Avenue
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PAUL MURDOCH ARCHITECTS
6310 SAN VICENTE BLVD SUITE 400
LOS ANGELES, CALIFORNIA 90048
310 358-0993

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Public Works
LOS ANGELES COUNTY

COUNTY OF LOS ANGELES CALIFORNIA

NO.	DATE	REVISION

MAGIC JOHNSON PARK MAKE READY & PARKING PROJECT

12416 AVALON BLVD.
LOS ANGELES, CA 90061

PWA PROJECT NO.
21023.01

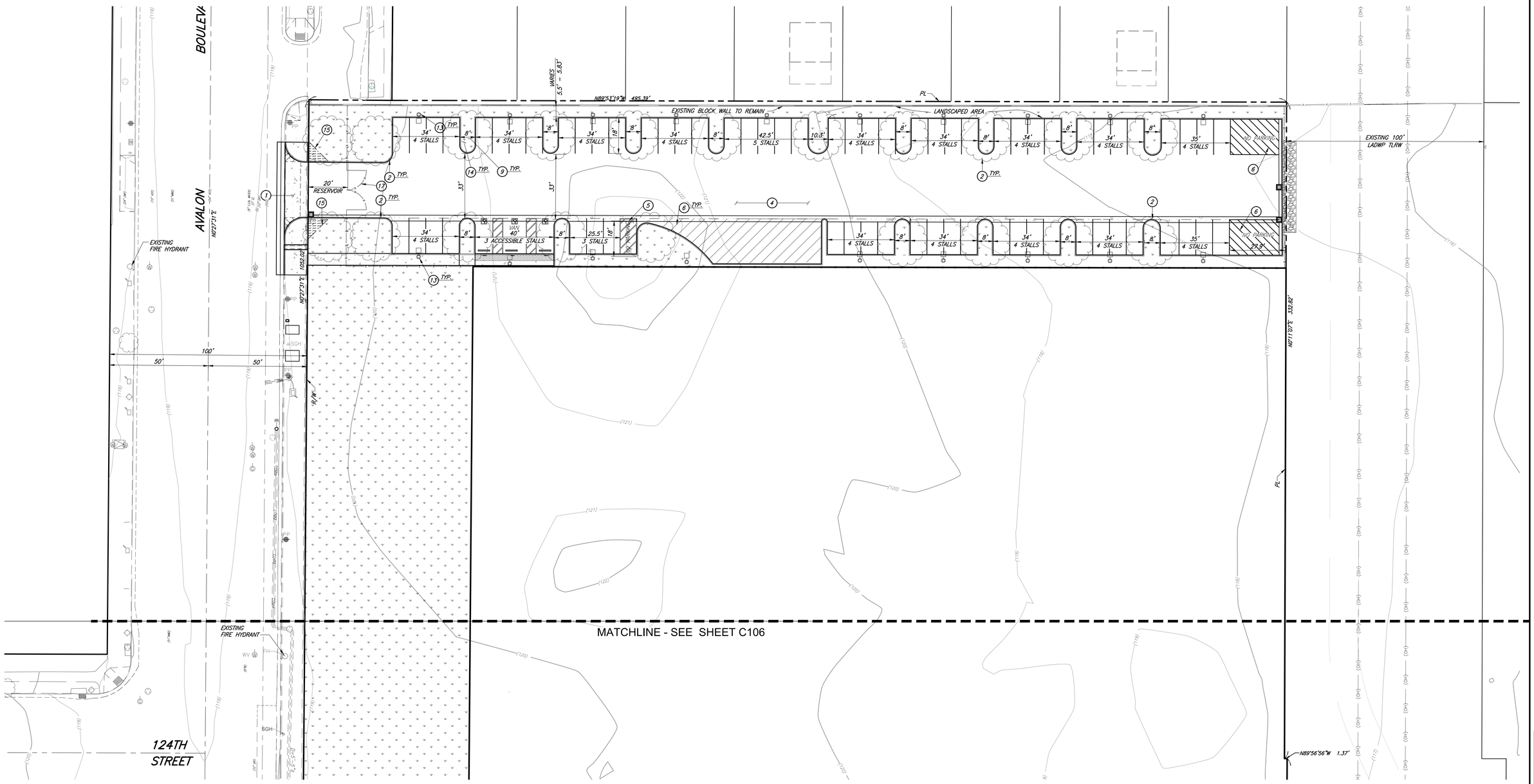
DRAWING TITLE
OVERALL SITE PLAN

SCALE
AS SHOWN

DATE
06/01/2026

DRAWN VC
CHECKED BLH

SHEET NO.
C104



CONSTRUCTION NOTES:

1. DRIVEWAY. SEE GRADING PLAN.
2. CONCRETE CURB. SEE GRADING PLAN.
3. PEDESTRIAN PCC PAVEMENT. SEE GRADING PLAN.
4. ASPHALT CONCRETE PAVEMENT. SEE GRADING PLAN.
5. ACCESSIBLE STRIPING. SEE STRIPING PLAN.
6. 4" WIDE WHITE DIAGONAL STRIPING. SEE STRIPING PLAN.
7. STANDARD STALL STRIPING. SEE STRIPING PLAN.
8. EXERCISE EQUIPMENT (RELOCATED). SEE LANDSCAPE PLANS.
9. SEE LANDSCAPE PLANS FOR TREE DISPOSITION.
10. REMOVE EXISTING DRIVEWAY. SEE DEMOLITION PLAN.
11. CONCRETE SIDEWALK. SEE GRADING PLAN.
12. CURB AND GUTTER. SEE GRADING PLAN.
13. LIGHT FIXTURE PER ELECTRICAL PLANS.
14. LANDSCAPING. SEE LANDSCAPE PLANS.
15. 10' X 10' VISIBILITY TRIANGLE AT RIGHT OF WAY. THERE SHALL BE NO OBSTRUCTIONS HIGHER THAN 42" WITHIN VISIBILITY TRIANGLE.
16. SCREEN WALL. SEE GRADING PLAN.
17. TEMPORARY GATE TO PRIVATE ACCESS PARKING LOT. SEE SITE PLAN, SHEET A101.

LEGEND

- CHAIN LINK FENCE
- ASPHALT CONCRETE PAVEMENT
- LANDSCAPING
- PEDESTRIAN PCC PAVEMENT
- VISIBILITY TRIANGLE
- CONCRETE RIP-RAP

NOTE:
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0' 20'

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WATTS QUAD 2013
NAVD88

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LOS ANGELES COUNTY

COUNTY OF LOS ANGELES
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NO.	DATE	REVISION

MAGIC JOHNSON PARK
MAKE READY &
PARKING PROJECT

12416 AVALON BLVD.
LOS ANGELES, CA 90061

PWA PROJECT NO.
21023.01

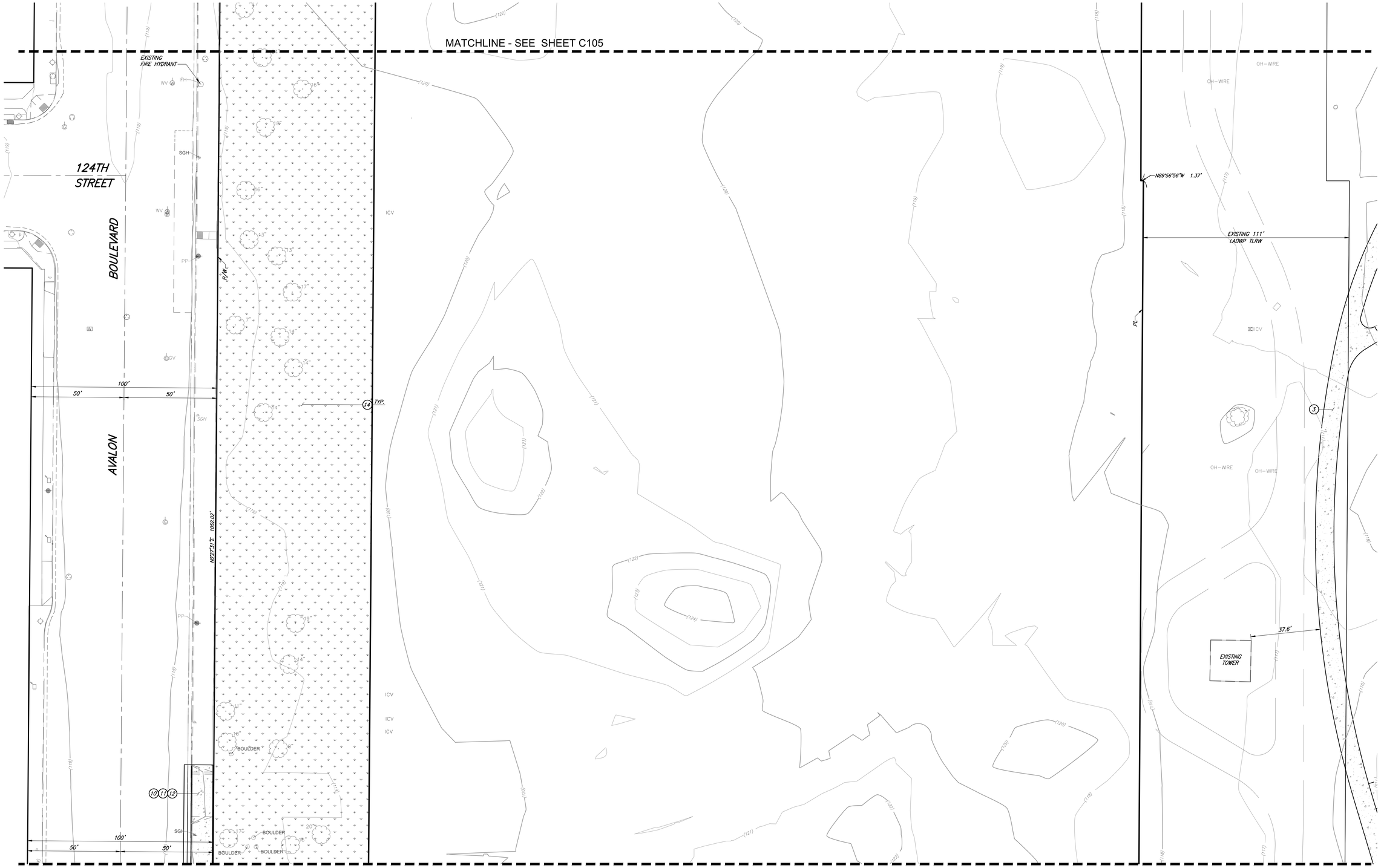
DRAWING TITLE
PARTIAL SITE PLAN
NORTH LOT

SCALE
AS SHOWN

DATE
06/01/2026

DRAWN VC
CHECKED BLH

SHEET NO.
C105



CONSTRUCTION NOTES:

1. DRIVEWAY. SEE GRADING PLAN.
2. CONCRETE CURB. SEE GRADING PLAN.
3. PEDESTRIAN PCC PAVEMENT. SEE GRADING PLAN.
4. ASPHALT CONCRETE PAVEMENT. SEE GRADING PLAN.
5. ACCESSIBLE STRIPING. SEE STRIPING PLAN.
6. 4" WIDE WHITE DIAGONAL STRIPING. SEE STRIPING PLAN.
7. STANDARD STALL STRIPING. SEE STRIPING PLAN.
8. EXERCISE EQUIPMENT (RELOCATED). SEE LANDSCAPE PLANS.
9. SEE LANDSCAPE PLANS FOR TREE DISPOSITION.
10. REMOVE EXISTING DRIVEWAY. SEE DEMOLITION PLAN.
11. CONCRETE SIDEWALK. SEE GRADING PLAN.
12. CURB AND GUTTER. SEE GRADING PLAN.
13. LIGHT FIXTURE PER ELECTRICAL PLANS.
14. LANDSCAPING. SEE LANDSCAPE PLANS.
15. 10' X 10' VISIBILITY TRIANGLE AT RIGHT OF WAY. THERE SHALL BE NO OBSTRUCTIONS HIGHER THAN 42" WITHIN VISIBILITY TRIANGLE.
16. SCREEN WALL. SEE GRADING PLAN.
17. TEMPORARY GATE TO PRIVATE ACCESS PARKING LOT. SEE SITE PLAN, SHEET A101.

LEGEND

- CHAIN LINK FENCE
- ASPHALT CONCRETE PAVEMENT
- LANDSCAPING
- PEDESTRIAN PCC PAVEMENT
- VISIBILITY TRIANGLE
- CONCRETE RIP-RAP

NOTE:
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0' 20'

Know what's below. Call before you dig.

LACo BENCHMARK NO. RY187A EL. 136.911 FT 41.731 M
RDBM TAG IN N CB 1FT W/O BCR @ NW COR MAIN ST & EL SEGUNDO BLVD.
WATTS QUAD 2013
NAVD88

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LOS ANGELES COUNTY

COUNTY OF LOS ANGELES
CALIFORNIA

NO.	DATE	REVISION

MAGIC JOHNSON PARK MAKE READY & PARKING PROJECT

12416 AVALON BLVD.
LOS ANGELES, CA 90061

PWA PROJECT NO.
21023.01

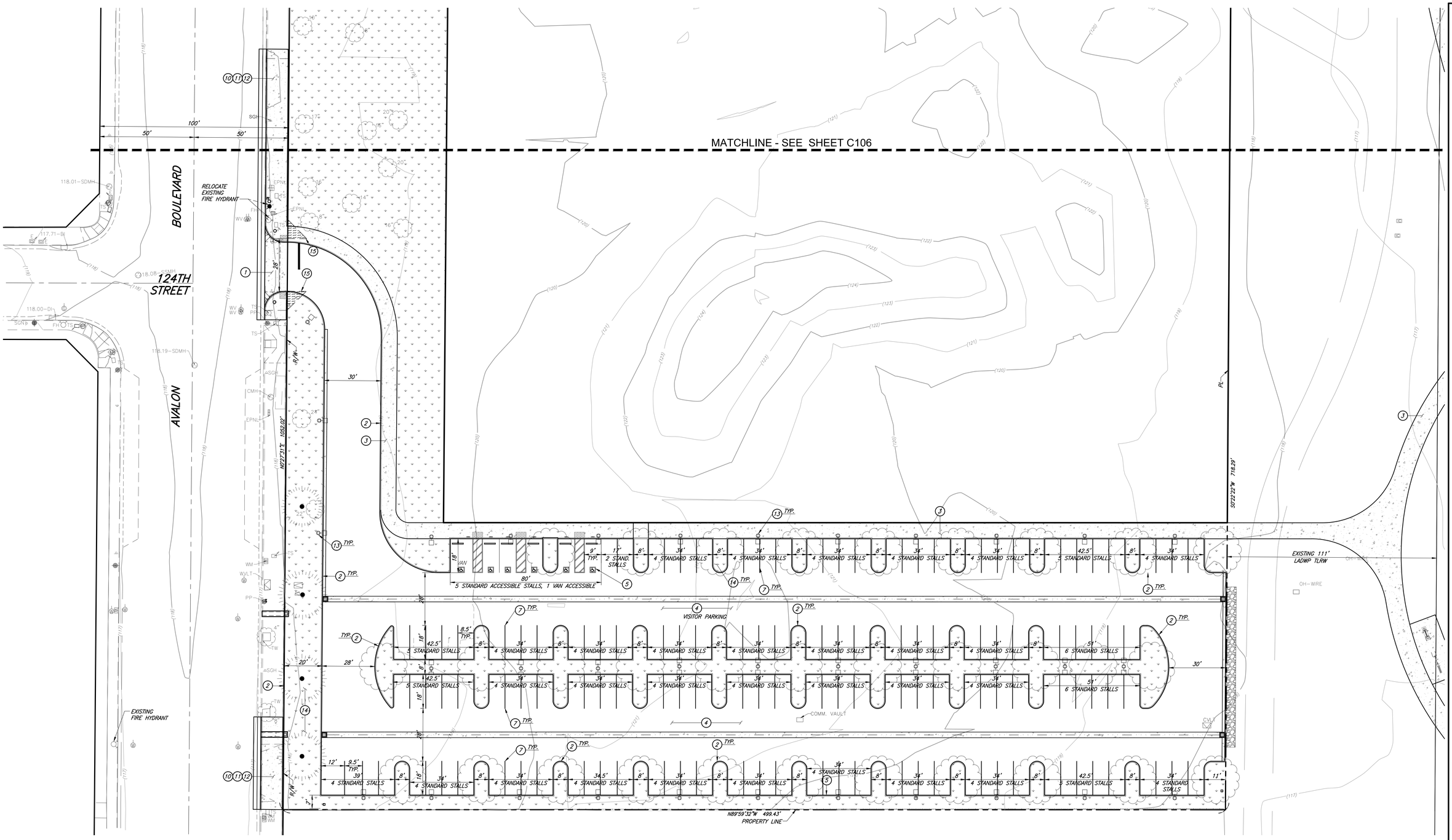
DRAWING TITLE
PARTIAL SITE PLAN

SCALE
AS SHOWN

DATE
06/01/2026

DRAWN: VC
CHECKED: BLH

SHEET NO.
C106



CONSTRUCTION NOTES:

1. DRIVEWAY. SEE GRADING PLAN.
2. CONCRETE CURB. SEE GRADING PLAN.
3. PEDESTRIAN PCC PAVEMENT. SEE GRADING PLAN.
4. ASPHALT CONCRETE PAVEMENT. SEE GRADING PLAN.
5. ACCESSIBLE STRIPING. SEE STRIPING PLAN.
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7. STANDARD STALL STRIPING. SEE STRIPING PLAN.
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9. SEE LANDSCAPE PLANS FOR TREE DISPOSITION.
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16. SCREEN WALL. SEE GRADING PLAN.
17. TEMPORARY GATE TO PRIVATE ACCESS PARKING LOT. SEE SITE PLAN, SHEET A101.

LEGEND

- CHAIN LINK FENCE
- ASPHALT CONCRETE PAVEMENT
- LANDSCAPING
- PEDESTRIAN PCC PAVEMENT
- VISIBILITY TRIANGLE
- CONCRETE RIP-RAP

0' 20'

Know what's below. Call before you dig.

LACo BENCHMARK NO. RY187A EL. 136.911 FT 41.731 M
RDBM TAG IN N CB 1FT W/O BCR @ NW COR MAIN ST & EL SEGUNDO BLVD.
WATTS QUAD 2013
NAVD88

NOTE:
SEE STREET IMPROVEMENT PLAN EIM 2026000174 FOR IMPROVEMENTS IN THE PUBLIC RIGHT OF WAY.

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COUNTY OF LOS ANGELES CALIFORNIA

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MAGIC JOHNSON PARK MAKE READY & PARKING PROJECT

12416 AVALON BLVD.
LOS ANGELES, CA 90061

PMA PROJECT NO.
21023.01

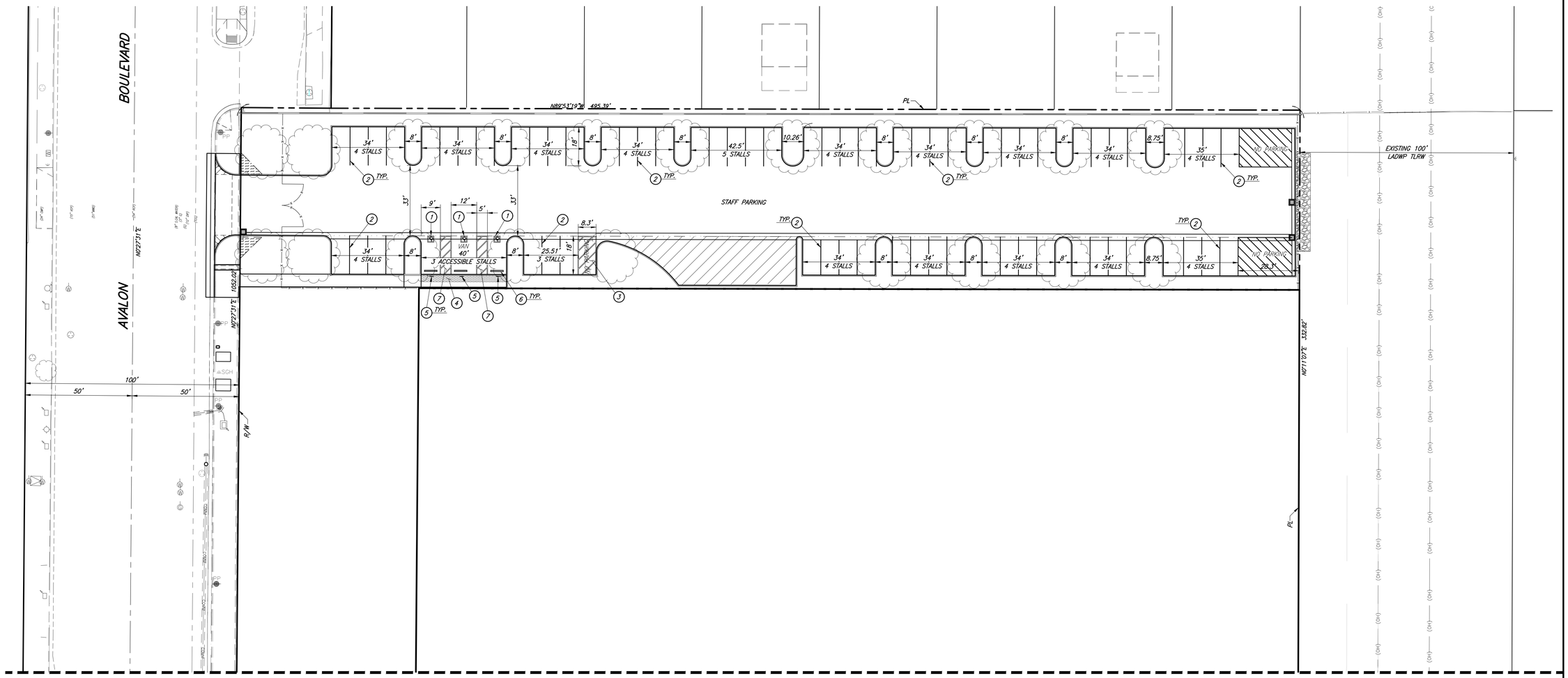
DRAWING TITLE
PARTIAL SITE PLAN SOUTH LOT

SCALE
AS SHOWN

DATE
06/01/2026

DRAWN VC
CHECKED BLH

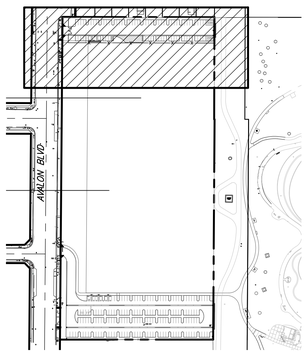
SHEET NO.
C107



MATCHLINE - SEE SHEET C109

LEGEND

- CHAIN LINK FENCE
- VISIBILITY TRIANGLE
- CONCRETE RIP-RAP



KEY PLAN
N.T.S.

NOTE:
SEE STREET IMPROVEMENT PLAN
EIM 2026000174 FOR IMPROVEMENTS IN THE PUBLIC RIGHT OF WAY.

0' 20'

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41.731 M
RDBM TAG IN N CB 1FT W/O BCR @ NW COR MAIN ST & EL SEGUNDO BLVD.
WATTS QUAD 2013
NAVD88

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COUNTY OF LOS ANGELES
CALIFORNIA

NO.	DATE	REVISION

MAGIC JOHNSON PARK
MAKE READY &
PARKING PROJECT

12416 AVALON BLVD.
LOS ANGELES, CA 90061

PWA PROJECT NO.
21023.01

DRAWING TITLE
STRIPING PLAN

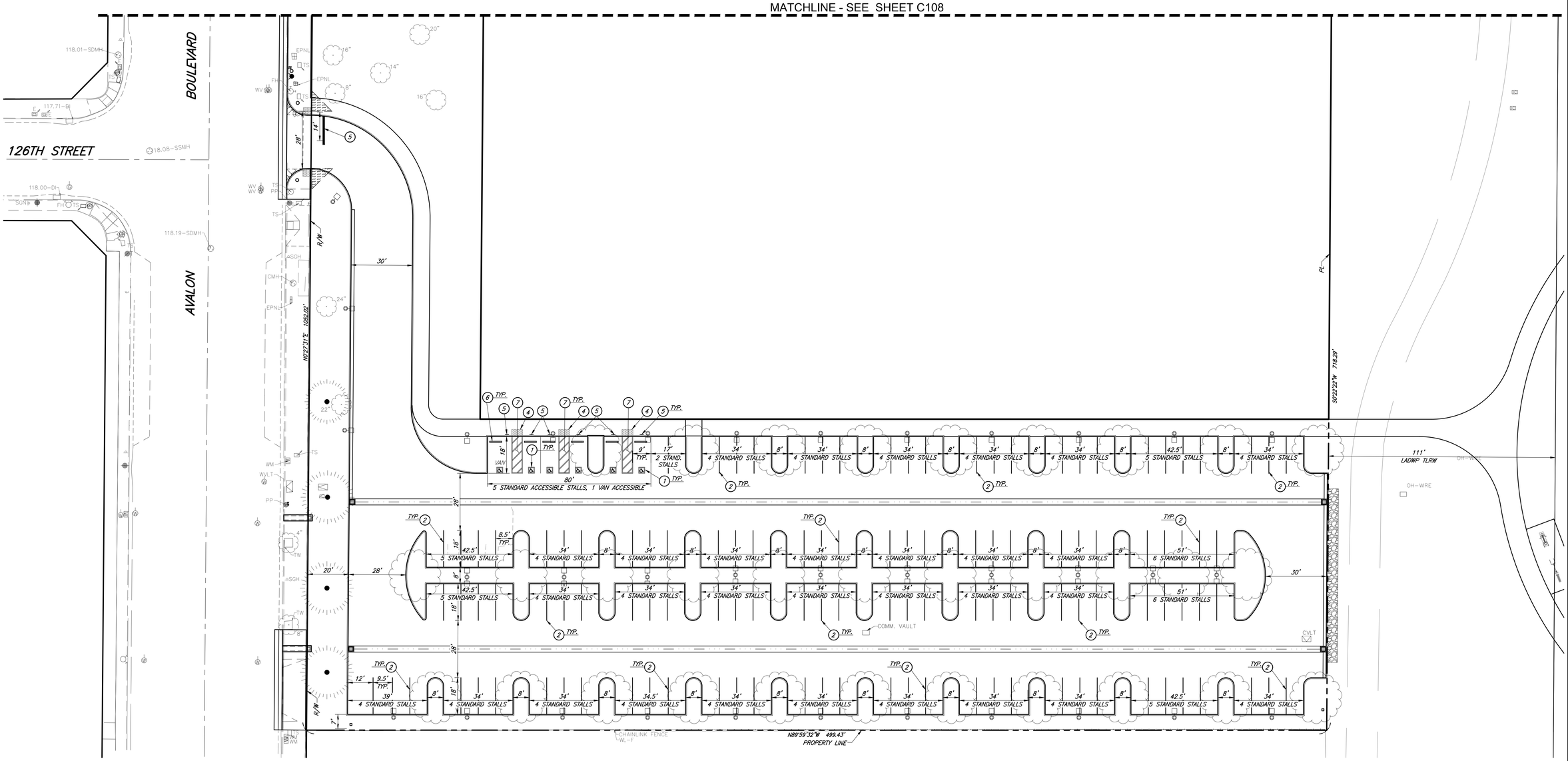
SCALE
AS SHOWN

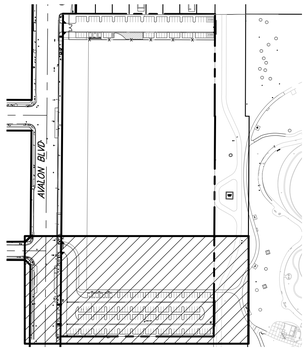
DATE
06/01/2026

DRAWN VC
CHECKED BLH

SHEET NO.
C108

MATCHLINE - SEE SHEET C108





KEY PLAN
N.T.S.

LEGEND

- CHAIN LINK FENCE
- VISIBILITY TRIANGLE
- CONCRETE RIP-RAP

NOTE:
SEE STREET IMPROVEMENT PLAN EIM 2026000174 FOR IMPROVEMENTS IN THE PUBLIC RIGHT OF WAY.

0' 20'

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LOS ANGELES, CALIFORNIA 90048
310 358-0993

THE DRAWINGS AND SPECIFICATIONS AND IDEAS, DESIGN, AND ARRANGEMENTS REPRESENTED THEREBY ARE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT, AND NO PART THEREOF SHALL BE COPIED, DISCLOSED TO OTHERS, OR USED IN CONNECTION WITH ANY WORK OR PROJECT THAN THE SPECIFIC PROJECT FOR WHICH THEY HAVE BEEN PREPARED AND DEVELOPED WITHOUT THE WRITTEN CONSENT OF THE ARCHITECT. VISUAL CONTACT WITH THESE DRAWINGS OR SPECIFICATIONS SHALL CONSTITUTE CONCLUSIVE EVIDENCE OF ACCEPTANCE OF THESE RESTRICTIONS. WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB AND THIS OFFICE MUST BE NOTIFIED OF ANY VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN BY THESE DRAWINGS. SHOP DETAILS MUST BE SUBMITTED TO THIS OFFICE FOR REVIEW BEFORE PROCEEDING WITH FABRICATION

REGISTERED PROFESSIONAL ENGINEER
BARBARA L. HALL
No. 42206
Exp. 03/31/28
CIVIL
STATE OF CALIFORNIA

Public Works
LOS ANGELES COUNTY

COUNTY OF LOS ANGELES
CALIFORNIA

NO.	DATE	REVISION

MAGIC JOHNSON PARK
MAKE READY &
PARKING PROJECT

12416 AVALON BLVD.
LOS ANGELES, CA 90061

PMA PROJECT NO.
21023.01

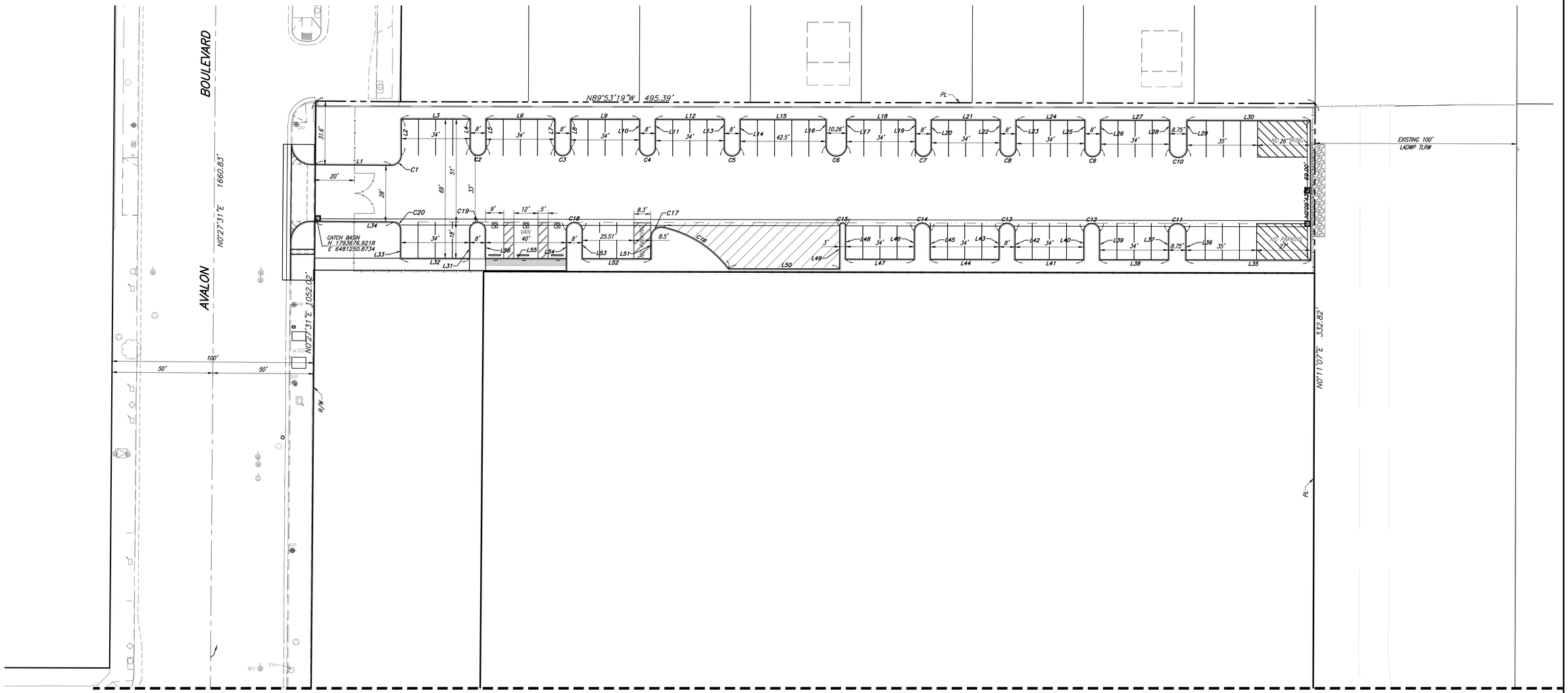
DRAWING TITLE
STRIPING PLAN

SCALE
AS SHOWN

DATE
06/01/2026

DRAWN VC
CHECKED BLH

SHEET NO.
C109

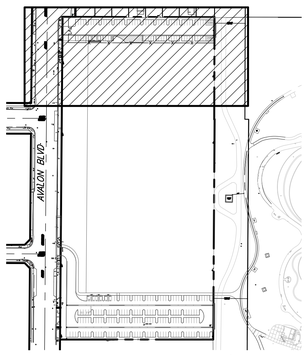


LINE TABLE		
Line #	Length	Direction
L1	37.59'	S89°32'29"E
L2	17.97'	N0°06'41"E
L3	34.00'	S89°53'19"E
L4	14.00'	N0°06'41"E
L5	14.00'	S0°06'41"W
L6	34.00'	S89°53'19"E
L7	14.05'	S0°06'41"W
L8	14.05'	N0°06'41"E
L9	34.00'	S89°53'19"E
L10	14.05'	S0°06'41"W
L11	14.05'	N0°06'41"E
L12	34.00'	S89°53'19"E
L13	14.05'	S0°06'41"W
L14	14.05'	N0°06'41"E
L15	42.50'	S89°53'19"E
L16	12.87'	S0°06'41"W
L17	12.87'	N0°06'41"E
L18	34.00'	S89°53'19"E
L19	14.05'	S0°06'41"W
L20	14.05'	N0°06'41"E

LINE TABLE		
Line #	Length	Direction
L21	34.00'	S89°53'19"E
L22	14.05'	S0°06'41"W
L23	14.05'	N0°06'41"E
L24	33.50'	S89°53'19"E
L25	14.05'	S0°06'41"W
L26	14.05'	N0°06'41"E
L27	34.00'	S89°53'19"E
L28	14.05'	S0°06'41"W
L29	14.05'	S0°06'41"W
L30	61.01'	S89°53'19"E
L31	14.00'	N0°06'41"E
L32	34.00'	N89°53'19"W
L33	14.02'	N0°06'41"E
L34	38.66'	N89°32'29"W
L35	61.76'	N89°53'19"W
L36	13.62'	N0°06'41"E
L37	13.62'	S0°06'41"W
L38	34.00'	N89°53'19"W
L39	14.00'	S0°06'41"W
L40	14.00'	S0°06'41"W

LINE TABLE		
Line #	Length	Direction
L41	34.00'	N89°53'19"W
L42	14.00'	N0°06'41"E
L43	14.00'	S0°06'41"W
L44	34.00'	N89°53'19"W
L45	14.00'	N0°06'41"E
L46	14.00'	S0°06'41"W
L47	34.00'	N89°53'19"W
L48	16.50'	N0°06'41"E
L49	21.36'	N0°06'41"E
L50	54.97'	S89°53'19"E
L51	10.76'	S0°06'41"W
L52	34.00'	N89°53'19"W
L53	14.00'	N0°06'41"E
L54	20.00'	S0°06'41"W
L55	40.00'	N89°53'19"W
L56	14.00'	N0°06'41"E

CURVE DATA					RADIUS POINT	
Curve #	DELTA	RADIUS	LENGTH	TANGENT	NORTHING	EASTING
C1	90°20'50"	5.00'	7.88'	5.03'	1793708.2139	6481287.8585
C2	180°00'00"	4.00'	12.57'	INFINITY'	1793712.1004	6481330.8661
C3	180°00'00"	4.00'	12.57'	INFINITY'	1793711.9689	6481372.8659
C4	180°00'00"	4.00'	12.57'	INFINITY'	1793711.8873	6481414.8659
C5	180°00'00"	4.00'	12.57'	INFINITY'	1793711.8057	6481456.8658
C6	180°33'23"	5.13'	16.18'	1057.10'	1793712.8888	6481508.5013
C7	180°00'00"	4.00'	12.57'	INFINITY'	1793711.6215	6481551.6322
C8	180°00'00"	4.00'	12.57'	INFINITY'	1793711.5399	6481593.6322
C9	180°00'00"	4.00'	12.57'	INFINITY'	1793711.4583	6481635.6321
C10	180°00'00"	4.38'	13.75'	INFINITY'	1793711.3759	6481678.0081
C11	180°00'00"	4.38'	13.75'	INFINITY'	1793670.0502	6481677.5097
C12	180°00'00"	4.00'	12.57'	INFINITY'	1793670.5087	6481635.1344
C13	180°00'00"	4.00'	12.57'	INFINITY'	1793670.5903	6481593.1344
C14	180°00'00"	4.00'	12.57'	INFINITY'	1793670.6719	6481551.1345
C15	180°00'00"	1.50'	4.71'	INFINITY'	1793673.2487	6481511.6394
C16	40°54'03"	55.00'	39.26'	20.51'	1793618.7636	6481411.3034
C17	101°48'22"	5.00'	8.88'	6.15'	1793667.6859	6481421.6285
C18	180°00'00"	4.00'	12.57'	INFINITY'	1793671.0071	6481378.6348
C19	180°00'00"	4.00'	12.57'	INFINITY'	1793671.1004	6481330.6349
C20	88°39'10"	4.00'	6.26'	3.98'	1793671.2065	6481288.6351



KEY PLAN
N.T.S.

NOTE:
A PROPERTY LINE SURVEY, PREPARED BY A CA LICENSED LAND SURVEYOR OR A CIVIL ENGINEER WITH A LICENSE NUMBER BELOW C33966, MAY BE REQUIRED BY THE BUILDING OFFICIAL BASED UPON SITE CONDITIONS IN ACCORDANCE WITH LACBC SECTION 108.1.

NOTE:
SEE STREET IMPROVEMENT PLAN EIM 2026000174 FOR IMPROVEMENTS IN THE PUBLIC RIGHT OF WAY.

0' 20'

811 Know what's below. Call before you dig.

LACo BENCHMARK NO. RY187A EL. 136.911 FT 41.731 M
RDBM TAG IN N CB 1FT W/O BCR @ NW COR MAIN ST & EL SEGUNDO BLVD.
WATTS QUAD 2013
NAVD88

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

PAUL MURDOCH ARCHITECTS
6310 SAN VICENTE BLVD SUITE 400
LOS ANGELES, CALIFORNIA 90048
310 358-0993

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REGISTERED PROFESSIONAL ENGINEER
BARBARA L. HALL
No. 42206
Exp. 03/31/28
CIVIL
STATE OF CALIFORNIA

Public Works
LOS ANGELES COUNTY

COUNTY OF LOS ANGELES
CALIFORNIA

NO.	DATE	REVISION

MAGIC JOHNSON PARK
MAKE READY &
PARKING PROJECT

12416 AVALON BLVD.
LOS ANGELES, CA 90061

PWA PROJECT NO.
21023.01

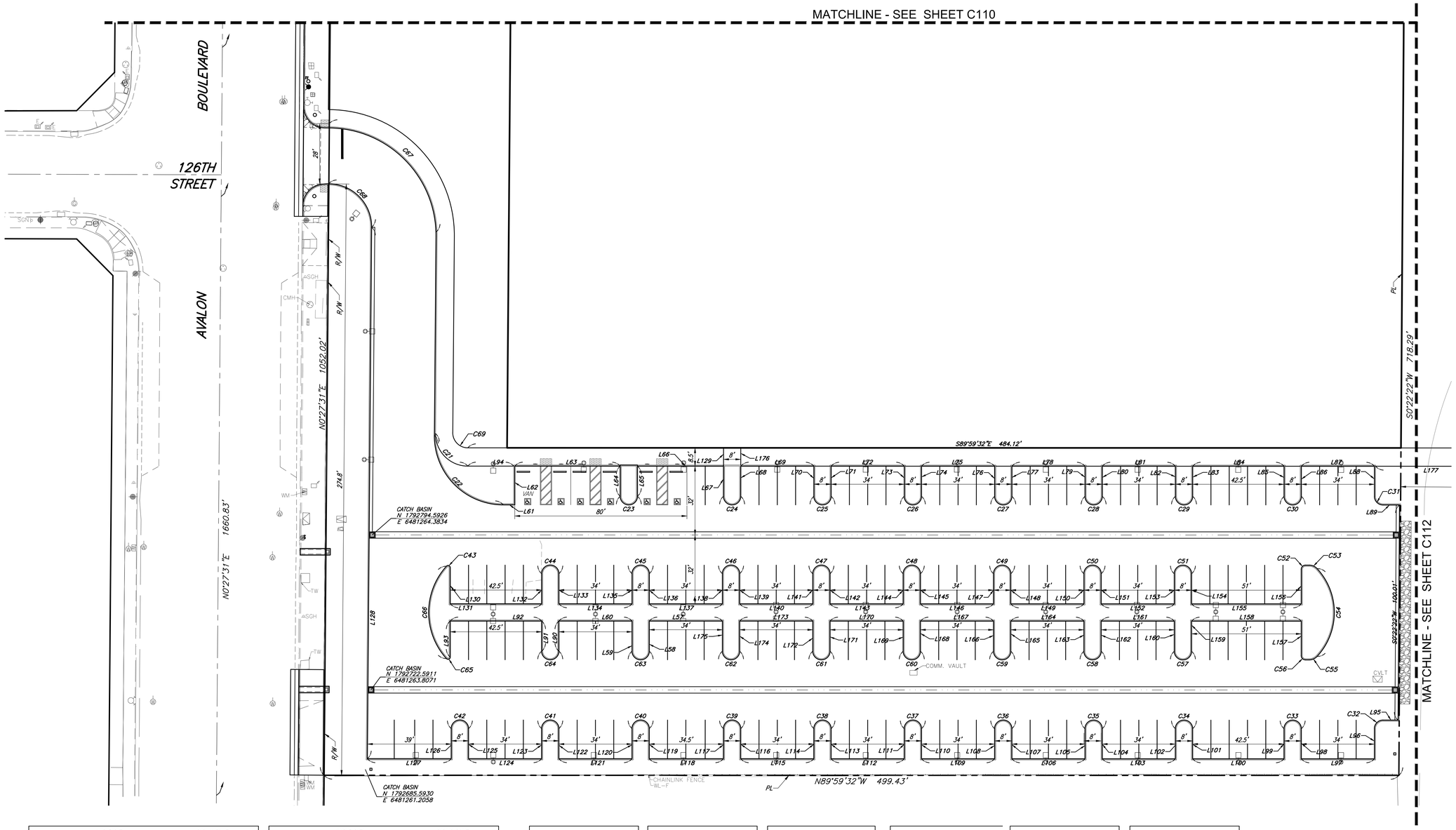
DRAWING TITLE
HORIZONTAL
CONTROL PLAN

SCALE
AS SHOWN

DATE
06/01/2026

DRAWN: VC
CHECKED: BLH

SHEET NO.
C110



CURVE DATA					RADIUS POINT	
Curve #	DELTA	RADIUS	LENGTH	TANGENT	NORTHING	EASTING
C21	90°27'03"	15.00'	23.68'	15.12'	1792841.5866	6481308.8331
C22	90°27'03"	32.00'	50.52'	32.25'	1792840.5844	6481325.3256
C23	180°00'00"	4.00'	12.57'	INFINITY'	1792812.5765	6481383.6608
C24	180°00'00"	4.00'	12.57'	INFINITY'	1792812.5700	6481431.6608
C25	180°00'00"	4.00'	12.57'	INFINITY'	1792812.5643	6481473.6608
C26	180°00'00"	4.00'	12.57'	INFINITY'	1792812.5587	6481515.6608
C27	180°00'00"	4.00'	12.57'	INFINITY'	1792812.5530	6481557.6608
C28	180°00'00"	4.00'	12.57'	INFINITY'	1792812.5473	6481599.6608
C29	180°00'00"	4.00'	12.57'	INFINITY'	1792812.5417	6481641.6608
C30	180°00'00"	4.00'	12.57'	INFINITY'	1792812.5349	6481692.1608
C31	90°00'00"	4.00'	6.28'	4.00'	1792812.5292	6481734.1608
C32	90°00'00"	4.00'	6.28'	4.00'	1792704.5260	6481734.1462
C33	180°00'00"	4.00'	12.57'	INFINITY'	1792704.5317	6481692.1462
C34	180°00'00"	4.00'	12.57'	INFINITY'	1792704.5385	6481641.6462
C35	180°00'00"	4.00'	12.57'	INFINITY'	1792704.5442	6481599.6462
C36	180°00'00"	4.00'	12.57'	INFINITY'	1792704.5499	6481557.6462
C37	180°00'00"	4.00'	12.57'	INFINITY'	1792704.5555	6481515.6462
C38	180°00'00"	4.00'	12.57'	INFINITY'	1792704.5612	6481473.6462
C39	180°00'00"	4.00'	12.57'	INFINITY'	1792704.5669	6481431.6462
C40	180°00'00"	4.00'	12.57'	INFINITY'	1792704.5726	6481389.1462
C41	180°00'00"	4.00'	12.57'	INFINITY'	1792704.5783	6481347.1462
C42	180°00'00"	4.00'	12.57'	INFINITY'	1792704.5839	6481305.1462
C43	13°56'15"	1.00'	2.41'	2.60'	1792779.3639	6481299.6563
C44	180°00'00"	4.00'	12.57'	INFINITY'	1792776.5814	6481347.1559
C45	180°00'00"	4.00'	12.57'	INFINITY'	1792776.5757	6481389.1559

CURVE DATA					RADIUS POINT	
Curve #	DELTA	RADIUS	LENGTH	TANGENT	NORTHING	EASTING
C46	180°00'00"	4.00'	12.57'	INFINITY'	1792776.5701	6481431.1559
C47	180°00'00"	4.00'	12.57'	INFINITY'	1792776.5644	6481473.1559
C48	180°00'00"	4.00'	12.57'	INFINITY'	1792776.5587	6481515.1559
C49	180°00'00"	4.00'	12.57'	INFINITY'	1792776.5531	6481557.1559
C50	180°00'00"	4.00'	12.57'	INFINITY'	1792776.5474	6481599.1559
C51	180°00'00"	4.00'	12.57'	INFINITY'	1792776.5417	6481641.1559
C52	90°00'00"	2.00'	3.14'	2.00'	1792778.5340	6481698.1562
C53	47°10'33"	5.00'	4.12'	2.18'	1792775.5338	6481699.8212
C54	85°41'14"	30.00'	44.87'	27.82'	1792758.5425	6481681.4828
C55	47°08'13"	5.00'	4.11'	2.18'	1792741.5338	6481699.8050
C56	90°00'00"	2.00'	3.14'	2.00'	1792738.5340	6481698.1508
C57	180°00'00"	4.00'	12.57'	INFINITY'	1792740.5417	6481641.1511
C58	180°00'00"	4.00'	12.57'	INFINITY'	1792740.5474	6481599.1511
C59	180°00'00"	4.00'	12.57'	INFINITY'	1792740.5531	6481557.1511
C60	180°00'00"	4.00'	12.57'	INFINITY'	1792740.5587	6481515.1511
C61	180°00'00"	4.00'	12.57'	INFINITY'	1792740.5644	6481473.1511
C62	180°00'00"	4.00'	12.57'	INFINITY'	1792740.5701	6481431.1511
C63	180°00'00"	4.00'	12.57'	INFINITY'	1792740.5757	6481389.1511
C64	180°00'00"	4.00'	12.57'	INFINITY'	1792740.5814	6481347.1511
C65	13°56'15"	1.00'	2.41'	2.60'	1792737.8275	6481299.6507
C66	84°07'30"	32.00'	46.98'	28.88'	1792758.5926	6481322.6683
C67	90°00'27"	50.00'	78.55'	50.01'	1792935.7563	6481244.0847
C68	90°16'27"	20.00'	31.52'	20.11'	1792837.7562	6481244.1007
C69	90°27'03"	7.00'	11.05'	7.06'	1792842.0866	6481308.8371

LINE TABLE		
Line #	Length	Direction
L57	34.00'	S89°59'32"E
L58	14.00'	N0°00'28"E
L59	14.00'	S0°00'28"W
L60	34.00'	S89°59'32"E
L61	5.34'	N89°59'32"W
L62	18.00'	N0°00'28"E
L63	49.00'	S89°59'32"E
L64	14.00'	S0°00'28"W
L65	14.00'	N0°00'28"E
L66	40.00'	S89°59'32"E
L67	14.00'	S0°00'28"W
L68	14.00'	N0°00'28"E
L69	34.00'	S89°59'32"E
L70	14.00'	S0°00'28"W
L71	14.00'	N0°00'28"E
L72	34.00'	S89°59'32"E
L73	14.00'	S0°00'28"W
L74	14.00'	N0°00'28"E
L75	34.00'	S89°59'32"E
L76	14.00'	N0°00'28"E
L77	14.00'	S0°00'28"W
L78	34.00'	S89°59'32"E
L79	14.00'	N0°00'28"E
L80	14.00'	S0°00'28"W

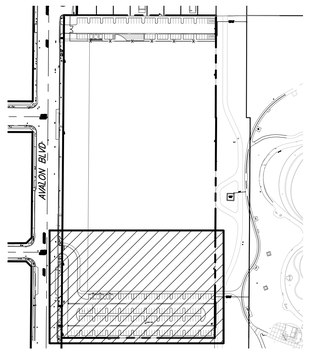
LINE TABLE		
Line #	Length	Direction
L81	34.00'	S89°59'32"E
L82	14.00'	S0°00'28"W
L83	14.00'	N0°00'28"E
L84	42.50'	S89°59'32"E
L85	14.00'	S0°00'28"W
L86	14.00'	N0°00'28"E
L87	34.00'	S89°59'32"E
L88	14.00'	N0°00'28"E
L89	7.65'	S89°59'32"E
L90	14.00'	N0°00'28"E
L91	14.00'	S0°00'28"W
L92	42.50'	S89°59'32"E
L93	16.76'	N0°00'28"E
L94	21.33'	S89°59'32"E
L95	7.01'	N89°59'32"W
L96	14.00'	S0°00'28"W
L97	34.00'	N89°59'32"W
L98	14.00'	N0°00'28"E
L99	14.00'	S0°00'28"W
L100	42.50'	N89°59'32"W

LINE TABLE		
Line #	Length	Direction
L101	14.00'	S0°00'28"W
L102	14.00'	N0°00'28"E
L103	34.00'	S89°59'32"E
L104	14.00'	S0°00'28"W
L105	14.00'	N0°00'28"E
L106	34.00'	S89°59'32"E
L107	14.00'	S0°00'28"W
L108	14.00'	N0°00'28"E
L109	34.00'	S89°59'32"E
L110	14.00'	S0°00'28"W
L111	14.00'	N0°00'28"E
L112	34.00'	S89°59'32"E
L113	14.00'	S0°00'28"W
L114	14.00'	N0°00'28"E
L115	34.00'	S89°59'32"E
L116	14.00'	S0°00'28"W
L117	14.00'	N0°00'28"E
L118	34.50'	S89°59'32"E
L119	14.00'	S0°00'28"W
L120	14.00'	N0°00'28"E

LINE TABLE		
Line #	Length	Direction
L121	34.00'	S89°59'32"E
L122	14.00'	S0°00'28"W
L123	14.00'	N0°00'28"E
L124	34.00'	S89°59'32"E
L125	14.00'	S0°00'28"W
L126	14.00'	N0°00'28"E
L127	39.02'	S89°59'32"E
L128	247.01'	S0°27'31"W
L129	8.00'	N0°00'28"E
L130	16.78'	N0°00'28"E
L131	42.50'	N89°59'32"W
L132	14.00'	S0°00'28"W
L133	14.00'	N0°00'28"E
L134	34.00'	N89°59'32"W
L135	14.00'	S0°00'28"W
L136	14.00'	N0°00'28"E
L137	34.00'	N89°59'32"W
L138	14.00'	S0°00'28"W
L139	14.00'	N0°00'28"E
L140	34.00'	N89°59'32"W

LINE TABLE		
Line #	Length	Direction
L141	14.00'	S0°00'28"W
L142	14.00'	S0°00'28"W
L143	34.00'	N89°59'32"W
L144	14.00'	S0°00'28"W
L145	14.00'	N0°00'28"E
L146	34.00'	N89°59'32"W
L147	14.00'	S0°00'28"W
L148	14.00'	N0°00'28"E
L149	34.00'	N89°59'32"W
L150	14.00'	S0°00'28"W
L151	14.00'	N0°00'28"E
L152	34.00'	N89°59'32"W
L153	14.00'	S0°00'28"W
L154	14.00'	N0°00'28"E
L155	51.00'	N89°59'32"W
L156	16.00'	S0°00'28"W
L157	16.00'	S0°00'28"W
L158	51.00'	S89°59'32"E
L159	14.00'	N0°00'28"E
L160	14.00'	S0°00'28"W

LINE TABLE		
Line #	Length	Direction
L161	34.00'	S89°59'32"E
L162	14.00'	N0°00'28"E
L163	14.00'	S0°00'28"W
L164	34.00'	S89°59'32"E
L165	14.00'	N0°00'28"E
L166	14.00'	S0°00'28"W
L167	34.00'	S89°59'32"E
L168	14.00'	N0°00'28"E
L169	14.00'	S0°00'28"W
L170	34.00'	S89°59'32"E
L171	14.00'	N0°00'28"E
L172	14.00'	S0°00'28"W
L173	34.00'	S89°59'32"E
L174	14.00'	N0°00'28"E
L175	14.00'	S0°00'28"W
L176	8.00'	N0°00'28"E



KEY PLAN
N.T.S.

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0' 20'

811 Know what's below. Call before you dig.

LACo BENCHMARK NO. RY187A EL. 136.911 FT 41.731 M
RDBM TAG IN N CB 1FT W/O BCR @ NW COR MAIN ST & EL SEGUNDO BLVD.
WATTS QUAD 2013
NAVD88

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

PAUL MURDOCH ARCHITECTS
6310 SAN VICENTE BLVD SUITE 400
LOS ANGELES, CALIFORNIA 90048
310 358-0993

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REGISTERED PROFESSIONAL ENGINEER
BARBARA L. HALL
No. 42206
Exp. 03/31/28
CIVIL
STATE OF CALIFORNIA

NO.	DATE	REVISION

MAGIC JOHNSON PARK
MAKE READY &
PARKING PROJECT

12416 AVALON BLVD.
LOS ANGELES, CA 90061

PMA PROJECT NO.
21023.01

DRAWING TITLE
HORIZONTAL CONTROL PLAN

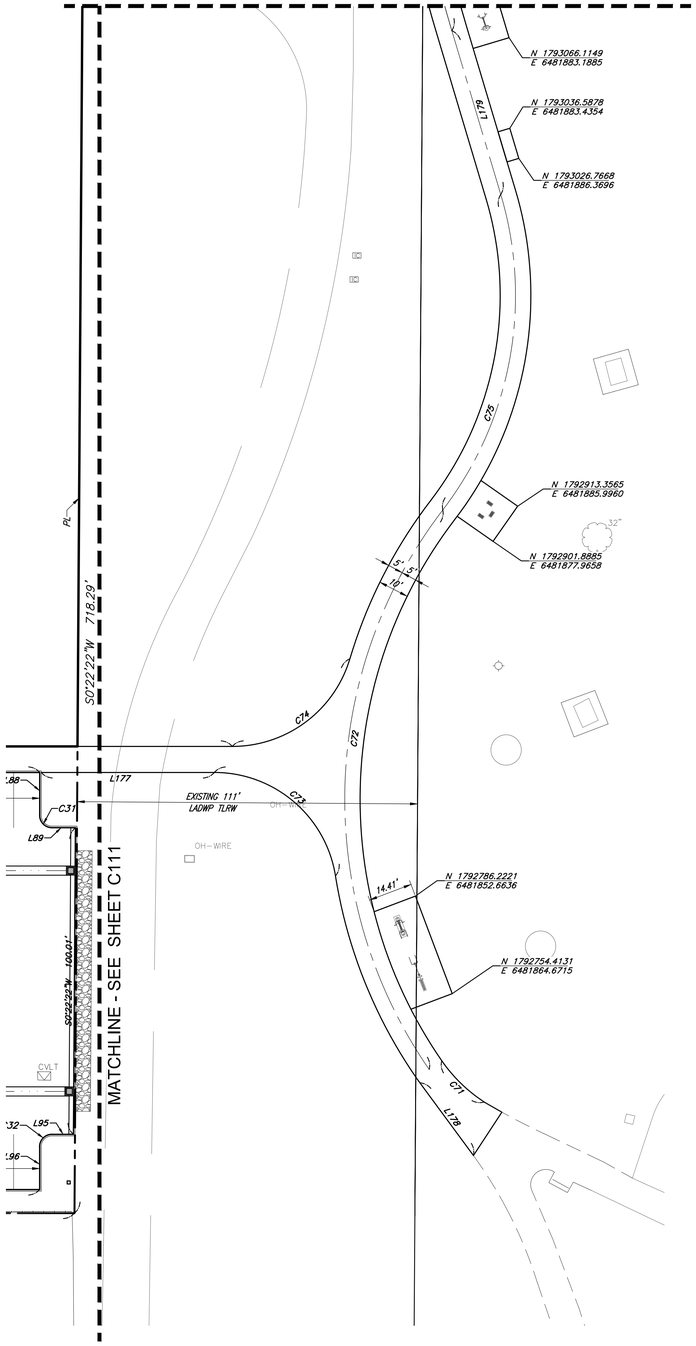
SCALE
AS SHOWN

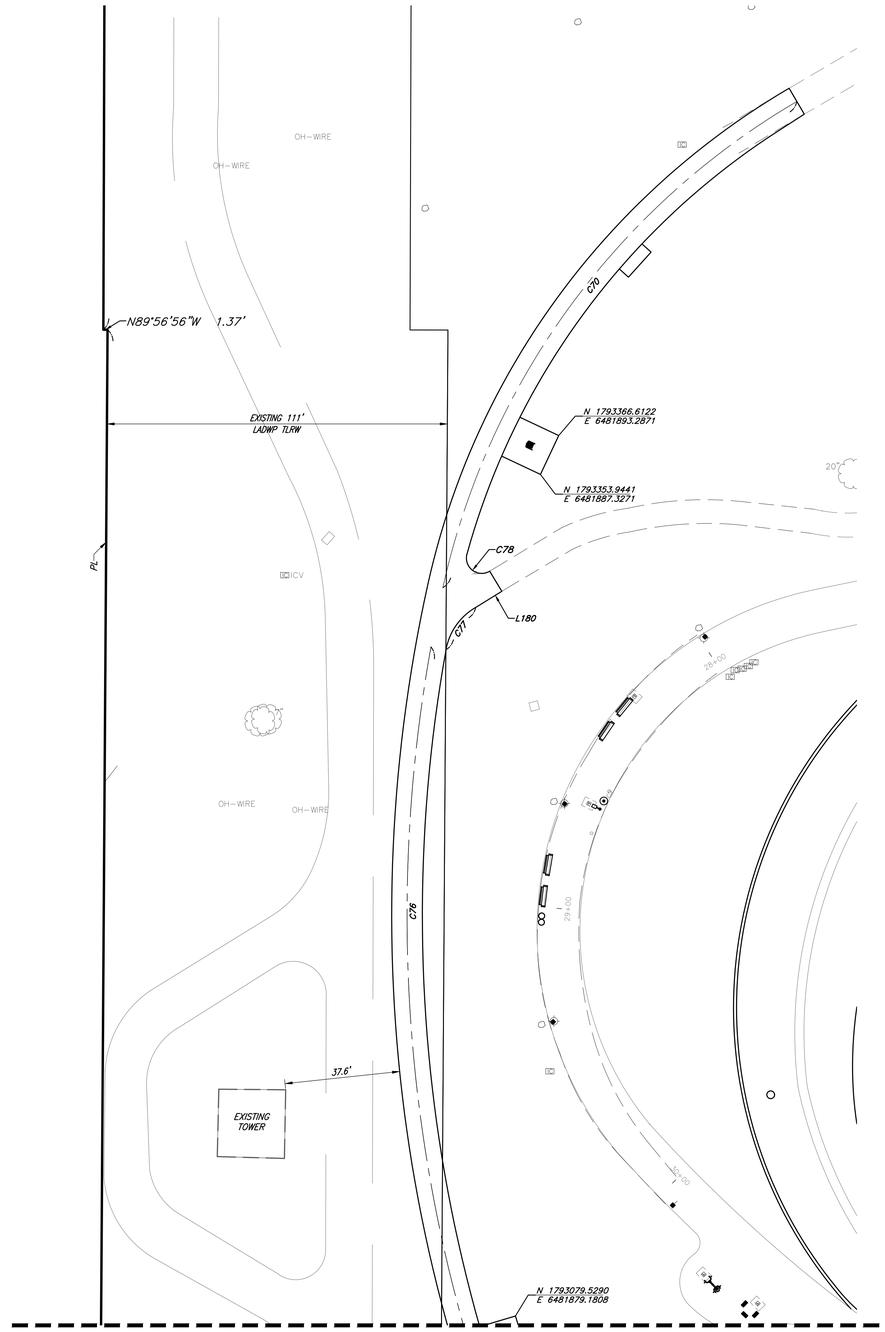
DATE
06/01/2026

DRAWN VC
CHECKED BLH

SHEET NO.
C111

MATCHLINE - SEE BOTTOM RIGHT HEREON

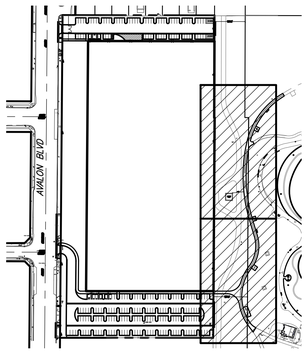




MATCHLINE - SEE TOP LEFT HEREON

LINE TABLE		
Line #	Length	Direction
L177	56.43'	N89°59'32"W
L178	29.41'	S36°22'59"E
L179	55.74'	S16°38'05"E
L180	10.01'	N58°16'33"E

	CURVE DATA				RADIUS POINT	
Curve #	DELTA	RADIUS	LENGTH	TANGENT	NORTHING	EASTING
C70	47°10'47"	245.00'	201.74'	106.99'	1793264.1098	6482094.7163
C71	22°16'34"	50.00'	19.44'	9.84'	1792760.9737	6481902.3743
C72	72°08'08"	155.00'	195.15'	112.89'	1792817.8630	6481984.6154
C73	80°58'36"	40.00'	56.53'	34.15'	1792786.5220	6481787.0863
C74	73°24'06"	40.00'	51.24'	29.82'	1792875.0213	6481792.9571
C75	54°05'49"	115.00'	108.58'	58.72'	1792982.0880	6481770.3023
C76	26°49'19"	495.00'	231.73'	118.03'	1793210.1193	6482338.8168
C77	49°45'34"	20.00'	17.37'	9.28'	1793293.2469	6481876.2264
C78	136°28'55"	5.00'	11.91'	12.53'	1793326.6650	6481868.1951



KEY PLAN
N.T.S.

NOTE:
A PROPERTY LINE SURVEY, PREPARED BY A CA LICENSED LAND SURVEYOR OR A CIVIL ENGINEER WITH A LICENSE NUMBER BELOW C33966, MAY BE REQUIRED BY THE BUILDING OFFICIAL BASED UPON SITE CONDITIONS IN ACCORDANCE WITH LACBC SECTION 108.1.

NOTE:
SEE STREET IMPROVEMENT PLAN EIM 2026000174 FOR IMPROVEMENTS IN THE PUBLIC RIGHT OF WAY.

0' 20'

Know what's **below.** **Call** before you dig.

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Public Works
LOS ANGELES COUNTY

COUNTY OF LOS ANGELES
CALIFORNIA

NO.	DATE	REVISION

MAGIC JOHNSON PARK
MAKE READY &
PARKING PROJECT

12416 AVALON BLVD.
LOS ANGELES, CA 90061

PMA PROJECT NO.
21023.01

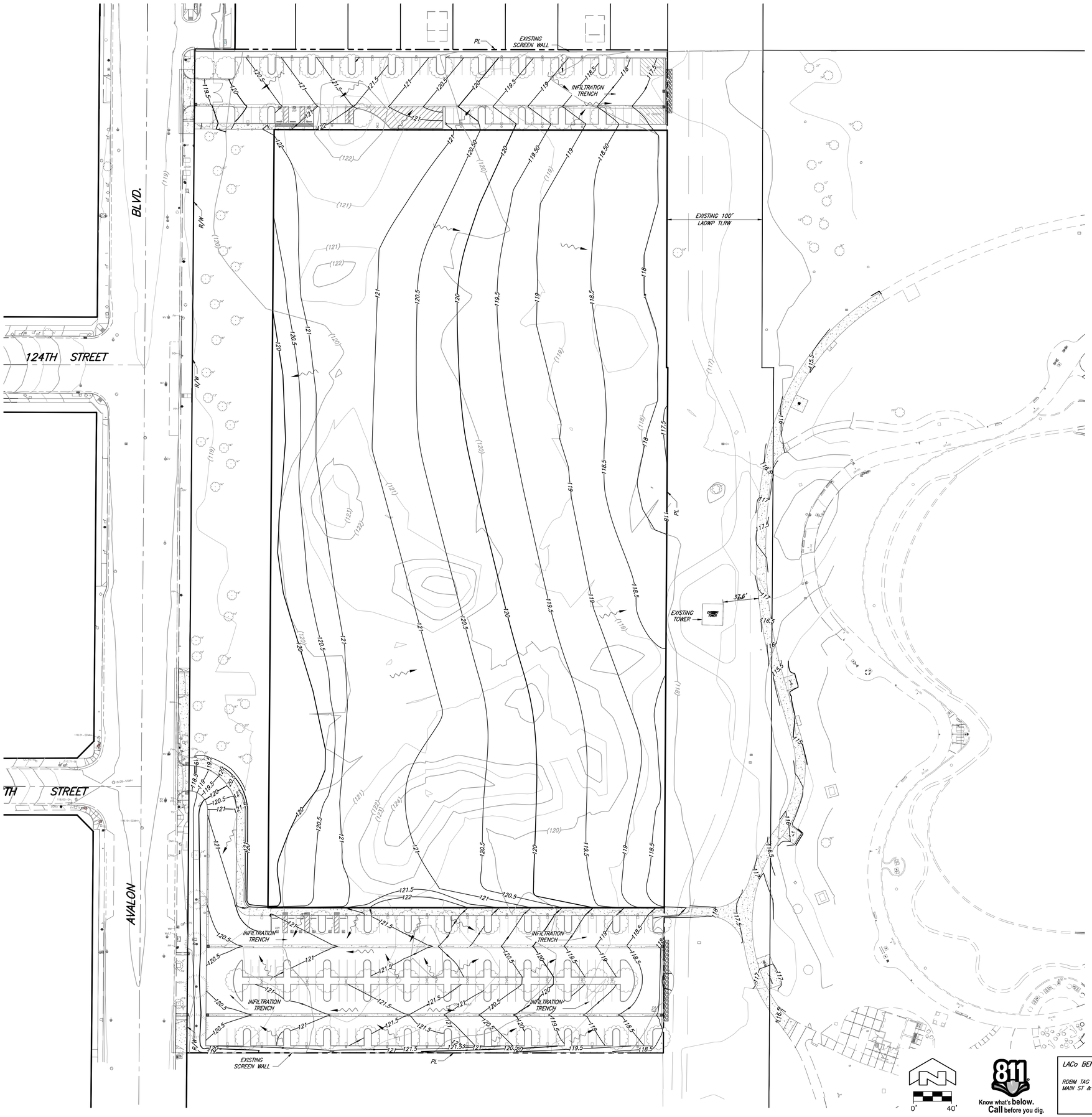
DRAWING TITLE
HORIZONTAL CONTROL PLAN

SCALE
AS SHOWN

DATE
06/01/2026

DRAWN VC
CHECKED BLH

SHEET NO.
C112



0' 40'

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LOS ANGELES COUNTY

COUNTY OF LOS ANGELES
CALIFORNIA

NO.	DATE	REVISION

MAGIC JOHNSON PARK
MAKE READY &
PARKING PROJECT

12416 AVALON BLVD.
LOS ANGELES, CA 90061

PWA PROJECT NO.
21023.01

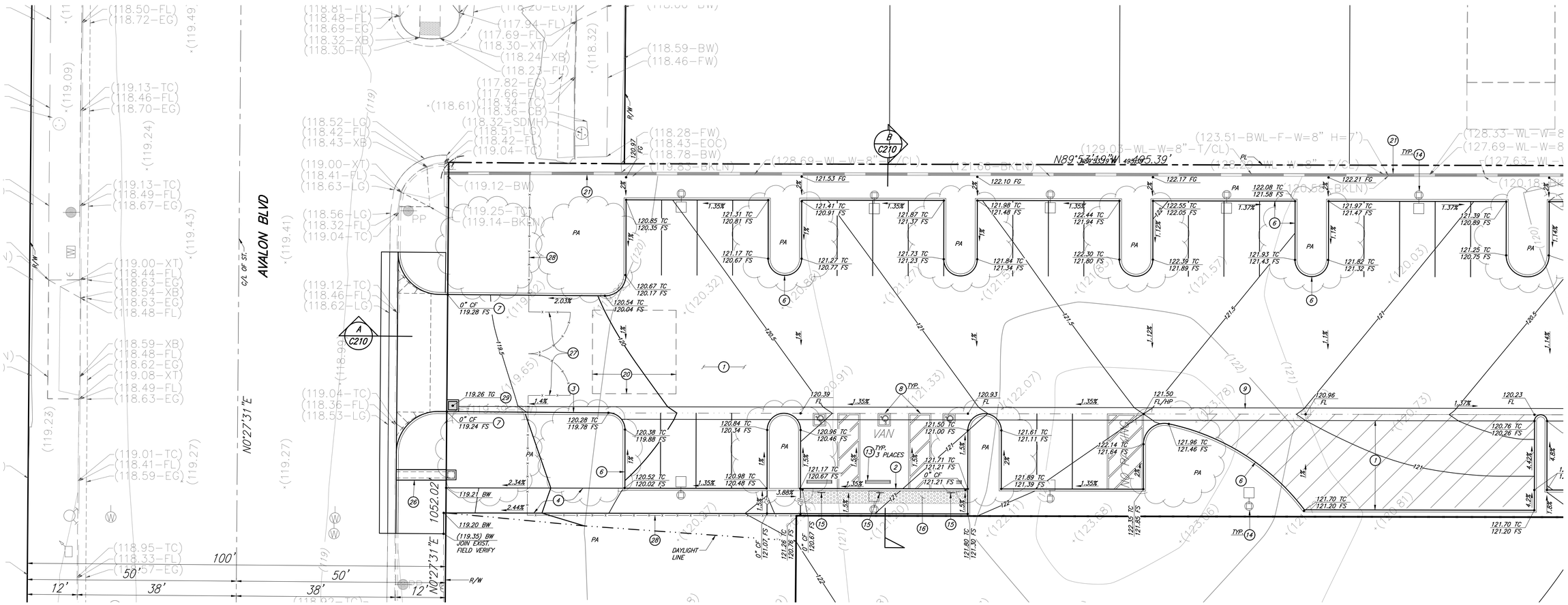
DRAWING TITLE
SITE DRAINAGE

SCALE
AS SHOWN

DATE
06/01/2026

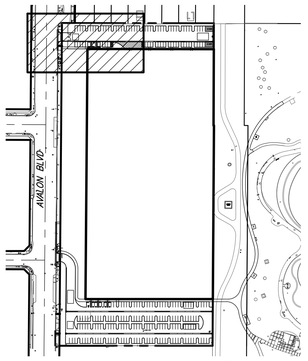
DRAWN VC
CHECKED BLH

SHEET NO.
C200



CONSTRUCTION NOTES:

1. CONSTRUCT AC PAVEMENT & BASE PER DETAIL 3 ON SHEET C401.
2. CONSTRUCT 0" CURB FACE PER DETAIL 2 ON SHEET C401.
3. CONSTRUCT CURB & GUTTER PER DETAIL 5 ON SHEET C401.
4. CONSTRUCT PEDESTRIAN PCC PAVEMENT PER DETAIL 1 ON SHEET C401.
5. DISTRIBUTION BOX. SEE STORM DRAIN PLAN SHEETS C301 & C302.
6. CONSTRUCT P.C.C. CURB PER DETAIL 4 ON SHEET C401.
7. CONSTRUCT 0" TO 6" CURB FACE TRANSITION PER DETAIL 10 ON SHEET C401.
8. PAINT ACCESSIBLE STALL STRIPING PER DETAIL 2 ON SHEET C402.
9. CONSTRUCT RIBBON GUTTER PER DETAIL 8 ON SHEET C401.
10. NOT USED.
11. CONSTRUCT 3' WIDE CURB OPENING.
12. CONSTRUCT RETAINING WALL PER DETAIL 12 ON SHEET C401.
13. CONSTRUCT CONCRETE WHEEL STOP PER DETAIL 4 ON SHEET C402.
14. CONSTRUCT LIGHT POLE FOOTING PER DETAIL 11 ON SHEET C401. SEE ELECTRICAL PLANS FOR LIGHT POLES.
15. INSTALL ACCESSIBLE PARKING SIGN PER DETAIL 1 ON SHEET C402.
16. INSTALL TRUNCATED DOMES PER DETAIL 5 ON SHEET C402.
17. NOT USED.
18. PROTECT EXISTING FENCE IN PLACE.
19. ADJUST EXISTING TO FINISH GRADE. SEE PLAN FOR TYPE.
20. INFILTRATION TRENCH. SEE STORM DRAIN PLAN SHEETS C301 & C302.
21. PROTECT EXISTING WALL IN PLACE.
22. FITNESS EQUIPMENT. SEE LANDSCAPE PLANS.
23. CONSTRUCT GRASSY DRAINAGE SWALE PER DETAIL 13 ON SHEET C401.
24. CONSTRUCT CONCRETE RIP-RAP PER DETAIL 12 ON SHEET C401.
25. CONSTRUCT PLANTER DRAIN. SEE STORM DRAIN PLAN.
26. PARKWAY DRAIN. SEE STREET PLANS.
27. CONSTRUCT CHAIN LINK VEHICULAR ACCESS GATE PER DETAIL 1 ON SHEET C404.
28. CONSTRUCT 8' HIGH CHAIN LINK FENCING & FOOTING PER DETAILS 2 & 3 ON SHEET C404.
29. FILTER CATCH BASIN. SEE STORM DRAIN PLAN C301.



KEY PLAN
N.T.S.

UTILITIES SHOWN ON PLANS ARE PROPOSED FOR REFERENCE ONLY AND SEPARATE PERMITS MAY BE REQUIRED.

SEE LANDSCAPE PLANS FOR DISPOSITION OF EXISTING AND PROPOSED TREES.

0' 10'

811 Know what's below. Call before you dig.

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WATTS QUAD 2013
NAVD88

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REGISTERED PROFESSIONAL ENGINEER BARBARA L. HALL No. 42206 Exp. 03/31/28 CIVIL STATE OF CALIFORNIA

Public Works LOS ANGELES COUNTY

COUNTY OF LOS ANGELES CALIFORNIA

NO.	DATE	REVISION

MAGIC JOHNSON PARK MAKE READY & PARKING PROJECT

12416 AVALON BLVD.
LOS ANGELES, CA 90061

PMA PROJECT NO.
21023.01

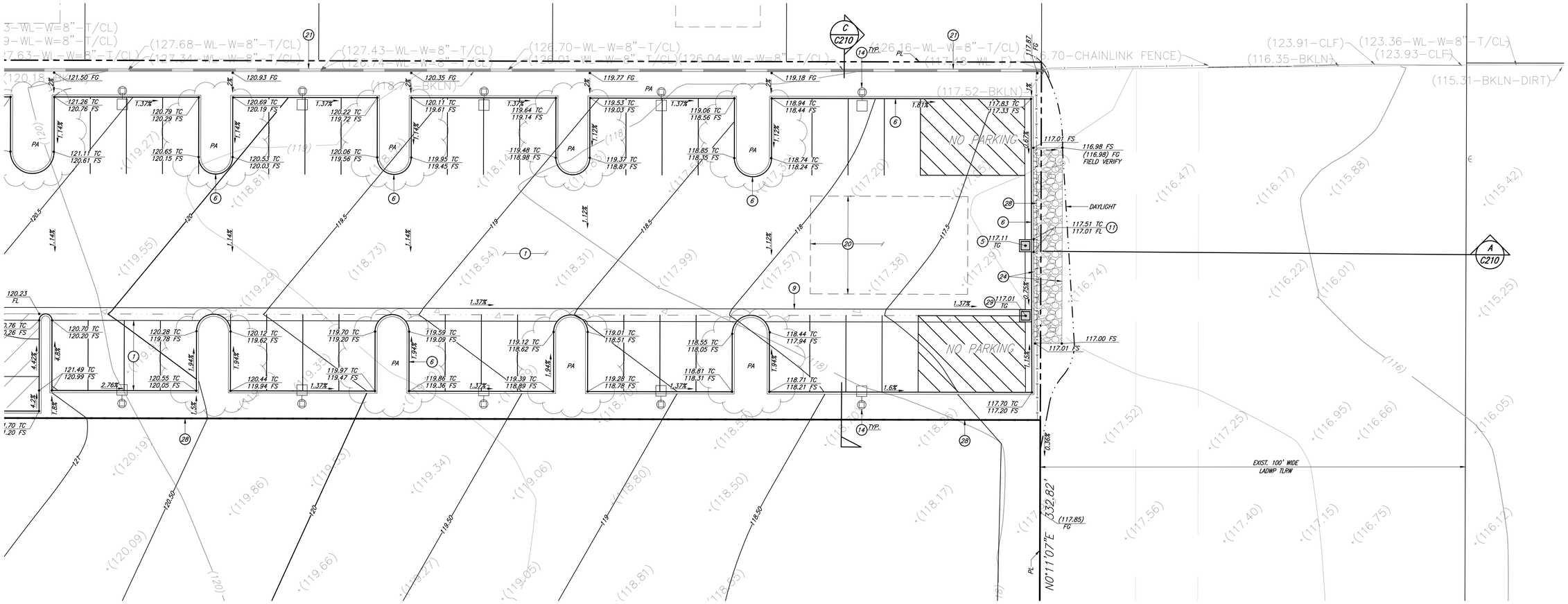
DRAWING TITLE
GRADING PLAN
NORTH LOT

SCALE
AS SHOWN

DATE
06/01/2026

DRAWN VC CHECKED BLH

SHEET NO.
C201



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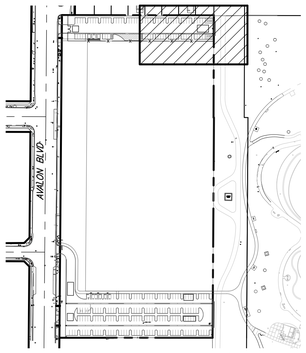

KEY PLAN
N.T.S.

UTILITIES SHOWN ON PLANS ARE PROPOSED FOR REFERENCE ONLY AND SEPARATE PERMITS MAY BE REQUIRED.

SEE LANDSCAPE PLANS FOR DISPOSITION OF EXISTING AND PROPOSED TREES.

0' 10'

Know what's below. Call before you dig.

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WATTS QUAD 2013
NAVD88

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Public Works LOS ANGELES COUNTY

COUNTY OF LOS ANGELES CALIFORNIA

NO.	DATE	REVISION

MAGIC JOHNSON PARK MAKE READY & PARKING PROJECT

12416 AVALON BLVD.
LOS ANGELES, CA 90061

PMA PROJECT NO.
21023.01

DRAWING TITLE
GRADING PLAN

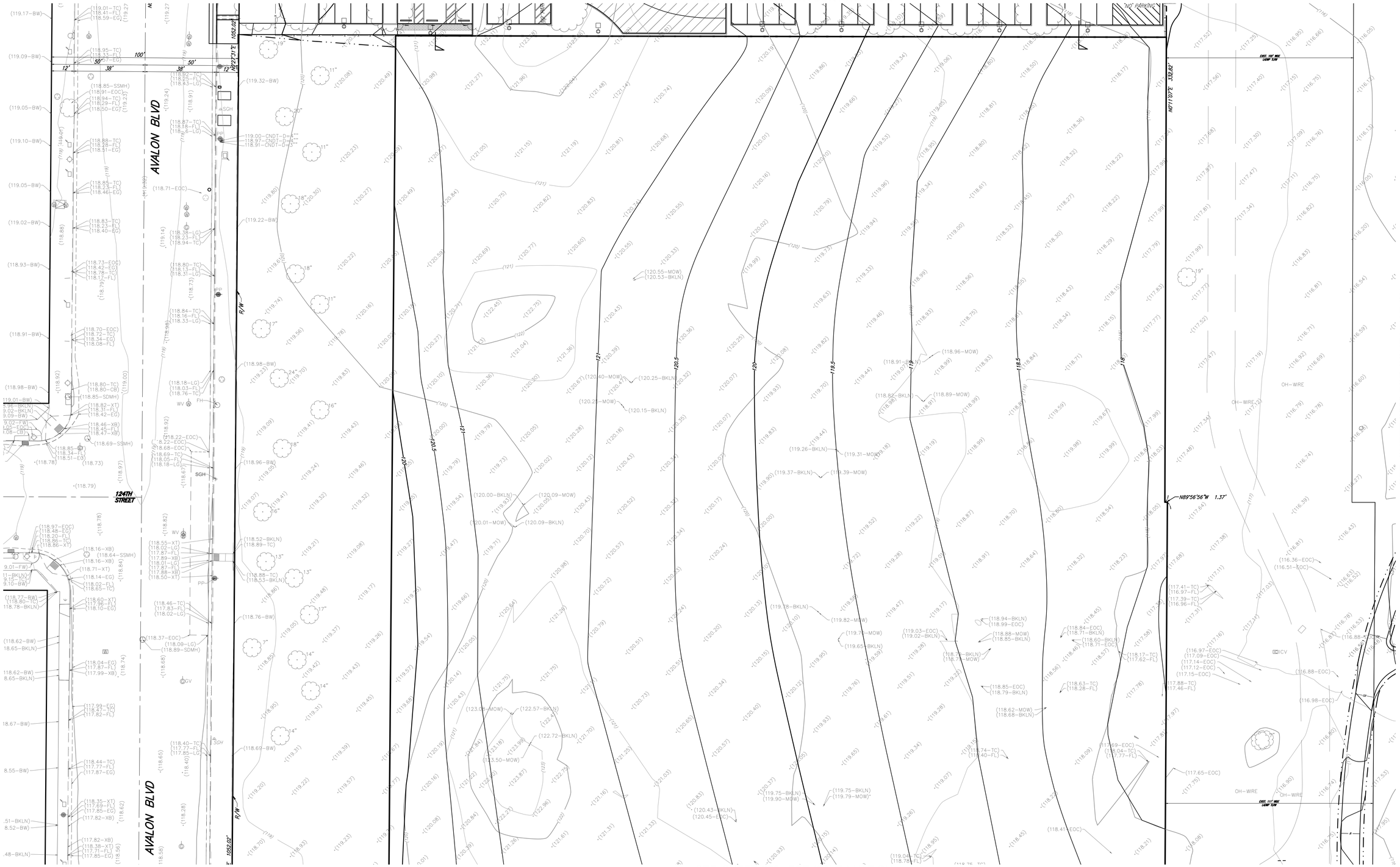
SCALE
AS SHOWN

DATE
06/01/2026

DRAWN VC CHECKED BLH

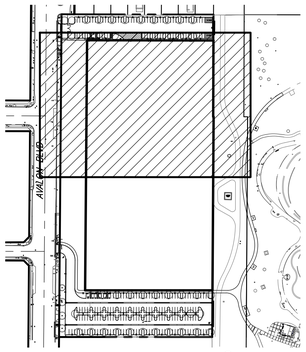
SHEET NO.
C202

SEE SHEET C202 FOR CONTINUATION



SEE SHEET C204 FOR CONTINUATION

SEE SHEET C208 FOR CONTINUATION



KEY PLAN
N.T.S.

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0' 20'

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12416 AVALON BLVD.
LOS ANGELES, CA 90061

PMA PROJECT NO.
21023.01

DRAWING TITLE
GRADING PLAN

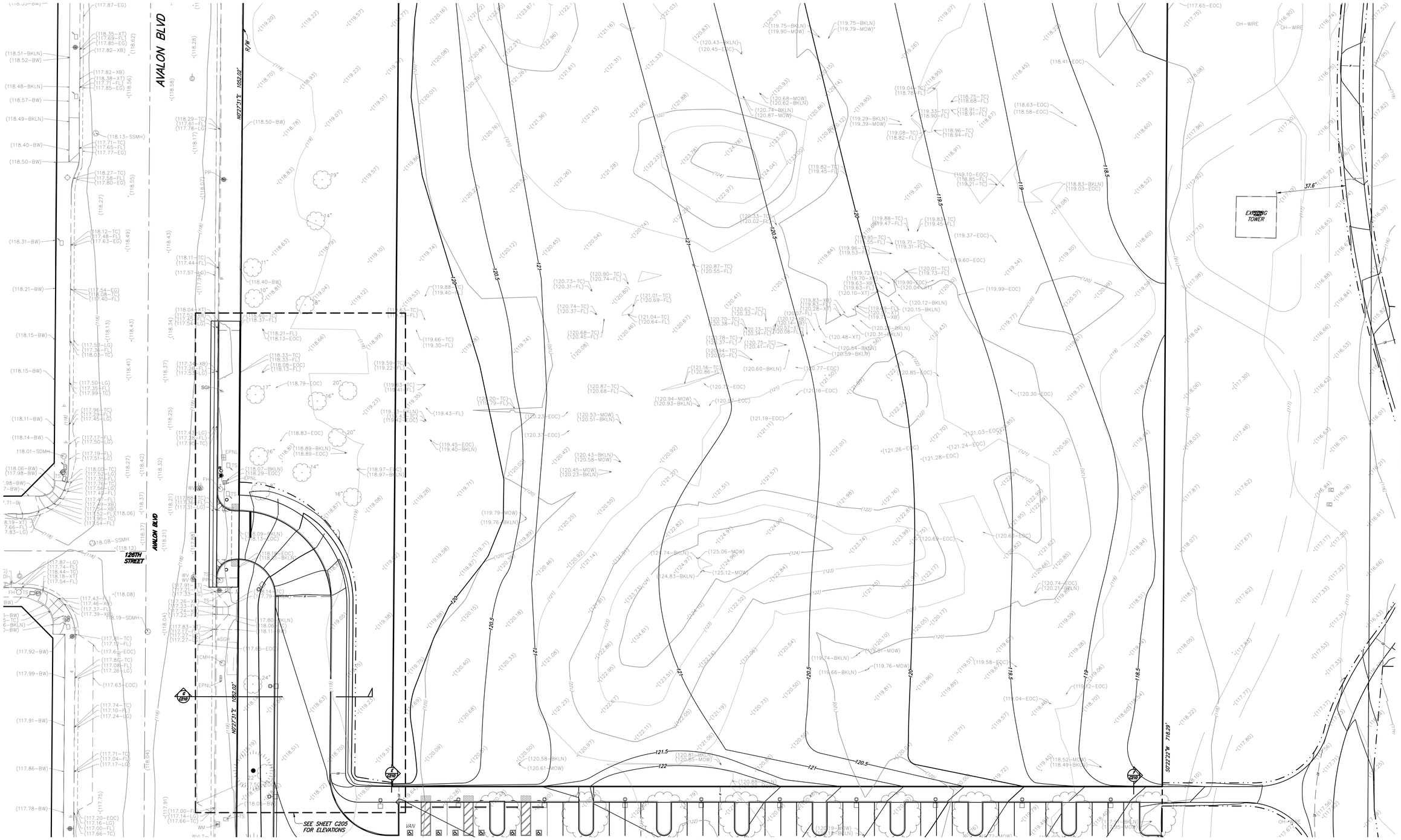
SCALE
AS SHOWN

DATE
06/01/2026

DRAWN VC
CHECKED BLH

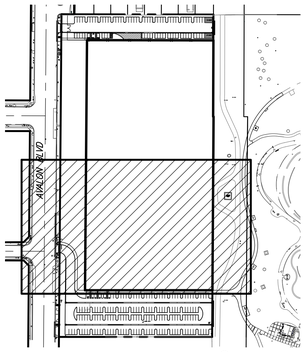
SHEET NO.
C203

SEE SHEET C203 FOR CONTINUATION



SEE SHEET C206 FOR CONTINUATION

SEE SHEET C209 FOR CONTINUATION



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REGISTERED PROFESSIONAL ENGINEER
BARBARA L. HALL
No. 42206
Exp. 03/31/26
CIVIL
STATE OF CALIFORNIA

Public Works
LOS ANGELES COUNTY

COUNTY OF LOS ANGELES
CALIFORNIA

NO.	DATE	REVISION

MAGIC JOHNSON PARK
MAKE READY &
PARKING PROJECT

12416 AVALON BLVD.
LOS ANGELES, CA 90061

PNA PROJECT NO.
21023.01

DRAWING TITLE
GRADING PLAN

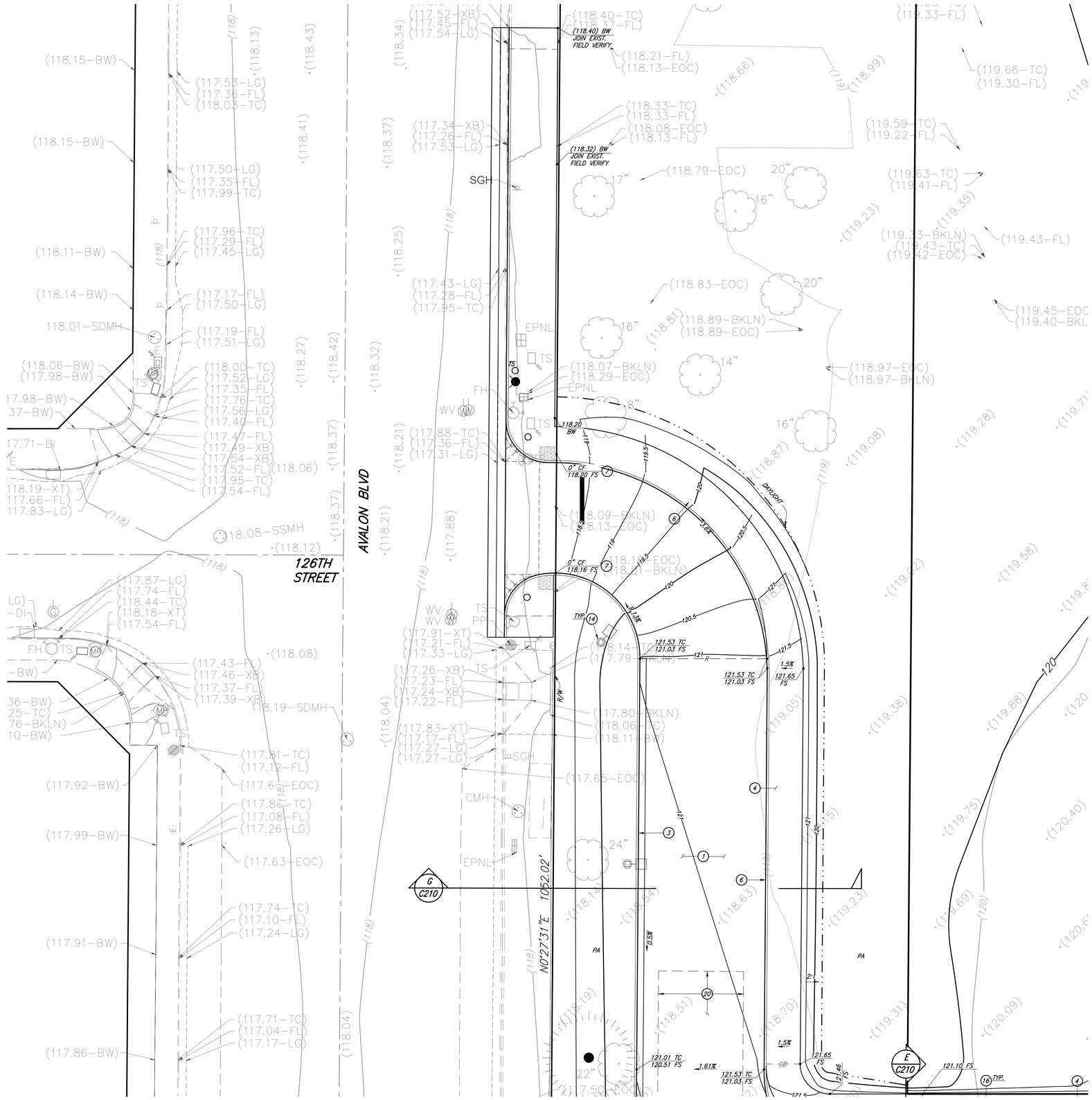
SCALE
AS SHOWN

DATE
06/01/2026

DRAWN VC
CHECKED BLH

SHEET NO.
C204

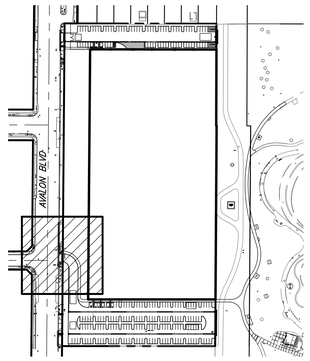
SEE SHEET C204 FOR CONTINUATION



SEE SHEET C206 FOR CONTINUATION

CONSTRUCTION NOTES:

1. CONSTRUCT AC PAVEMENT & BASE PER DETAIL 3 ON SHEET C401.
2. CONSTRUCT 0" CURB FACE PER DETAIL 2 ON SHEET C401.
3. CONSTRUCT CURB & GUTTER PER DETAIL 5 ON SHEET C401.
4. CONSTRUCT PEDESTRIAN PCC PAVEMENT PER DETAIL 1 ON SHEET C401.
5. DISTRIBUTION BOX. SEE STORM DRAIN PLAN SHEETS C301 & C302.
6. CONSTRUCT P.C.C. CURB PER DETAIL 4 ON SHEET C401.
7. CONSTRUCT 0" TO 6" CURB FACE TRANSITION PER DETAIL 10 ON SHEET C401.
8. PAINT ACCESSIBLE STALL STRIPING PER DETAIL 2 ON SHEET C402.
9. CONSTRUCT RIBBON GUTTER PER DETAIL 8 ON SHEET C401.
10. NOT USED.
11. CONSTRUCT 3' WIDE CURB OPENING.
12. CONSTRUCT RETAINING WALL PER DETAIL 12 ON SHEET C401.
13. CONSTRUCT CONCRETE WHEEL STOP PER DETAIL 4 ON SHEET C402.
14. CONSTRUCT LIGHT POLE FOOTING PER DETAIL 11 ON SHEET C401. SEE ELECTRICAL PLANS FOR LIGHT POLES.
15. INSTALL ACCESSIBLE PARKING SIGN PER DETAIL 1 ON SHEET C402.
16. INSTALL TRUNCATED DOME'S PER DETAIL 5 ON SHEET C402.
17. NOT USED.
18. PROTECT EXISTING FENCE IN PLACE.
19. ADJUST EXISTING TO FINISH GRADE. SEE PLAN FOR TYPE.
20. INFILTRATION TRENCH. SEE STORM DRAIN PLAN SHEETS C301 & C302.
21. PROTECT EXISTING WALL IN PLACE.
22. FITNESS EQUIPMENT. SEE LANDSCAPE PLANS.
23. CONSTRUCT GRASSY DRAINAGE SWALE PER DETAIL 13 ON SHEET C401.
24. CONSTRUCT CONCRETE RIP-RAP PER DETAIL 12 ON SHEET C401.
25. CONSTRUCT PLANTER DRAIN. SEE STORM DRAIN PLAN.
26. PARKWAY DRAIN. SEE STREET PLANS.
27. CONSTRUCT CHAIN LINK VEHICULAR ACCESS GATE PER DETAIL 1 ON SHEET C404.
28. CONSTRUCT 8' HIGH CHAIN LINK FENCING & FOOTING PER DETAILS 2 & 3 ON SHEET C404.
29. FILTER CATCH BASIN. SEE STORM DRAIN PLAN C301.



KEY PLAN
N.T.S.

UTILITIES SHOWN ON PLANS ARE PROPOSED FOR REFERENCE ONLY AND SEPARATE PERMITS MAY BE REQUIRED.

SEE LANDSCAPE PLANS FOR DISPOSITION OF EXISTING AND PROPOSED TREES.

0' 10'

Know what's below. Call before you dig.

LACo BENCHMARK NO. RY187A EL. 136.911 FT 41.731 M
RDBM TAG IN N CB 1FT W/O BCR @ NW COR MAIN ST & EL SEGUNDO BLVD.
WATTS QUAD 2013
NAVD88

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

PAUL MURDOCH ARCHITECTS
6310 SAN VICENTE BLVD SUITE 400
LOS ANGELES, CALIFORNIA 90048
310 358-0993

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REGISTERED PROFESSIONAL ENGINEER BARBARA L. HALL No. 42206 Exp. 03/31/28 CIVIL STATE OF CALIFORNIA

Public Works LOS ANGELES COUNTY

COUNTY OF LOS ANGELES CALIFORNIA

NO.	DATE	REVISION

MAGIC JOHNSON PARK
MAKE READY & PARKING PROJECT

12416 AVALON BLVD.
LOS ANGELES, CA 90061

PMA PROJECT NO. 21023.01

DRAWING TITLE: GRADING PLAN

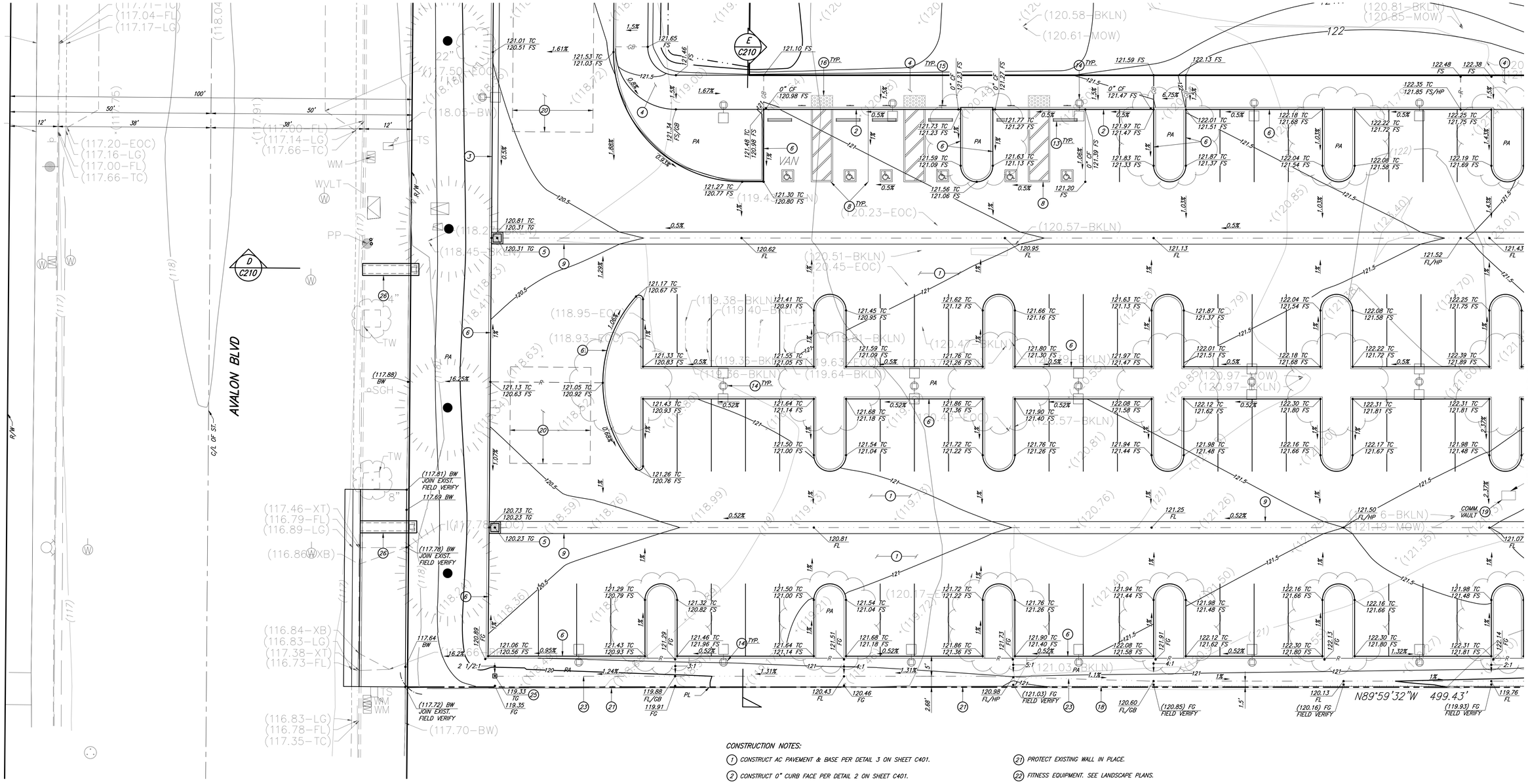
SCALE: AS SHOWN

DATE: 06/01/2026

DRAWN: VC CHECKED: BLH

SHEET NO. C205

SEE SHEET C204 FOR CONTINUATION



SEE SHEET C207 FOR CONTINUATION

CONSTRUCTION NOTES:

1. CONSTRUCT AC PAVEMENT & BASE PER DETAIL 3 ON SHEET C401.
2. CONSTRUCT 0" CURB FACE PER DETAIL 2 ON SHEET C401.
3. CONSTRUCT CURB & GUTTER PER DETAIL 5 ON SHEET C401.
4. CONSTRUCT PEDESTRIAN PCC PAVEMENT PER DETAIL 1 ON SHEET C401.
5. DISTRIBUTION BOX. SEE STORM DRAIN PLAN SHEETS C301 & C302.
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7. CONSTRUCT 0" TO 6" CURB FACE TRANSITION PER DETAIL 10 ON SHEET C401.
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9. CONSTRUCT RIBBON GUTTER PER DETAIL 8 ON SHEET C401.
10. NOT USED.
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13. CONSTRUCT CONCRETE WHEEL STOP PER DETAIL 4 ON SHEET C402.
14. CONSTRUCT LIGHT POLE FOOTING PER DETAIL 11 ON SHEET C401. SEE ELECTRICAL PLANS FOR LIGHT POLES.
15. INSTALL ACCESSIBLE PARKING SIGN PER DETAIL 1 ON SHEET C402.
16. INSTALL TRUNCATED DOMES PER DETAIL 5 ON SHEET C402.
17. NOT USED.
18. PROTECT EXISTING FENCE IN PLACE.
19. ADJUST EXISTING TO FINISH GRADE. SEE PLAN FOR TYPE.
20. INFILTRATION TRENCH. SEE STORM DRAIN PLAN SHEETS C301 & C302.
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23. CONSTRUCT GRASSY DRAINAGE SWALE PER DETAIL 13 ON SHEET C401.
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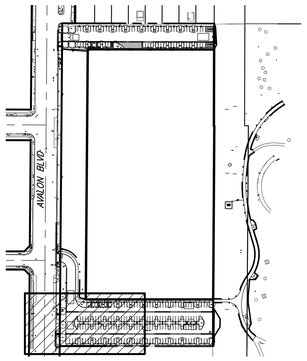
27. CONSTRUCT CHAIN LINK VEHICULAR ACCESS GATE PER DETAIL 1 ON SHEET C404.
28. CONSTRUCT 8' HIGH CHAIN LINK FENCING & FOOTING PER DETAILS 2 & 3 ON SHEET C404.
29. FILTER CATCH BASIN. SEE STORM DRAIN PLAN C301.



KEY PLAN
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SEE LANDSCAPE PLANS FOR DISPOSITION OF EXISTING AND PROPOSED TREES.

0' 10'

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WATTS QUAD 2013
NAVD88

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REGISTERED PROFESSIONAL ENGINEER BARBARA L. HALL No. 42206 Exp. 03/31/28 CIVIL STATE OF CALIFORNIA

Public Works LOS ANGELES COUNTY

COUNTY OF LOS ANGELES CALIFORNIA

NO.	DATE	REVISION

MAGIC JOHNSON PARK MAKE READY & PARKING PROJECT

12416 AVALON BLVD.
LOS ANGELES, CA 90061

PMA PROJECT NO.
21023.01

DRAWING TITLE
GRADING PLAN
SOUTH LOT

SCALE
AS SHOWN

DATE
06/01/2026

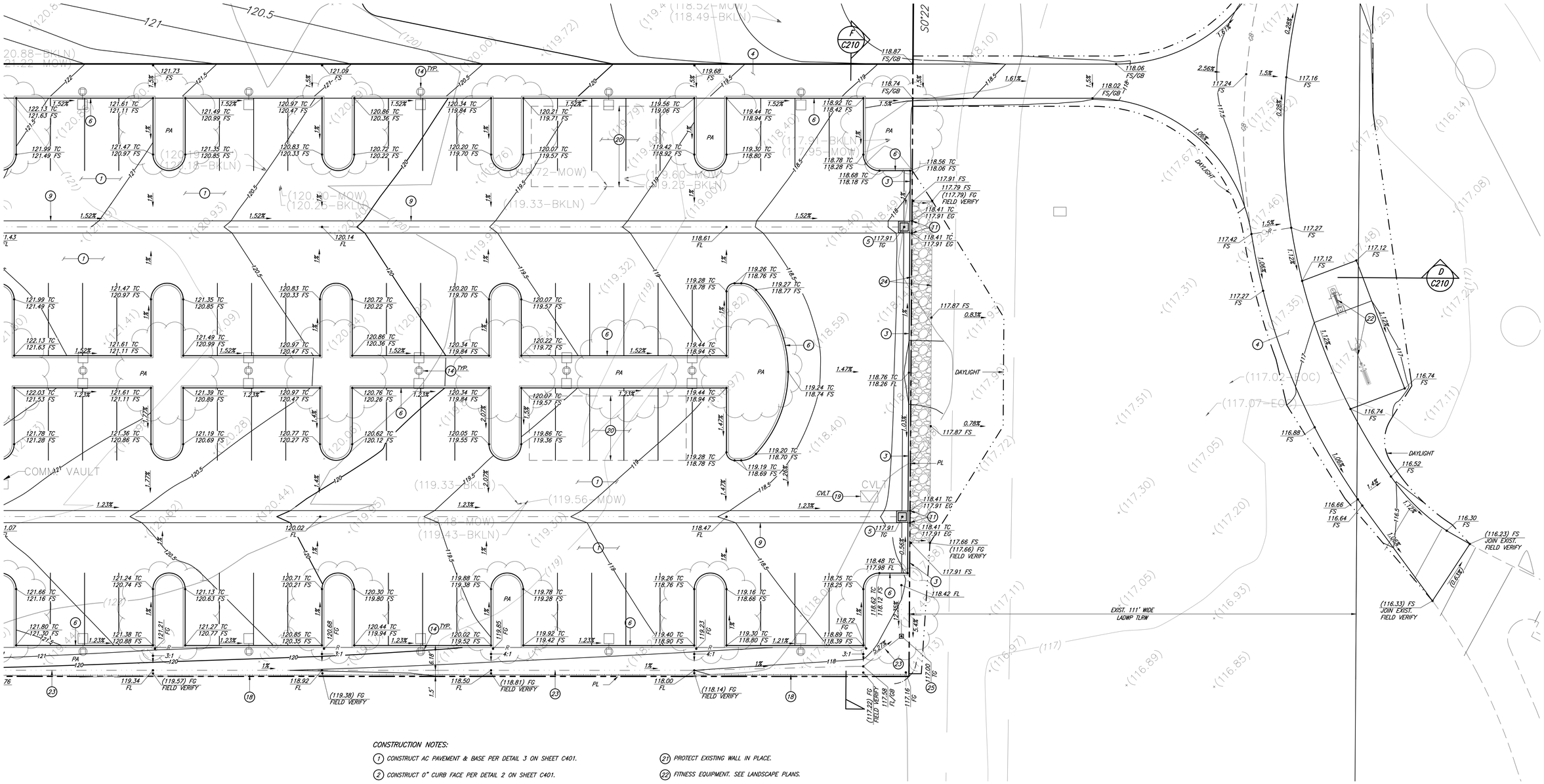
DRAWN VC CHECKED BLH

SHEET NO.
C206

SEE SHEET C205 FOR CONTINUATION

SEE SHEET C209 FOR CONTINUATION

SEE SHEET C206 FOR CONTINUATION



CONSTRUCTION NOTES:

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27. CONSTRUCT CHAIN LINK VEHICULAR ACCESS GATE PER DETAIL 1 ON SHEET C404.
28. CONSTRUCT 8' HIGH CHAIN LINK FENCING & FOOTING PER DETAILS 2 & 3 ON SHEET C404.
29. FILTER CATCH BASIN. SEE STORM DRAIN PLAN C301.

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0' 10'

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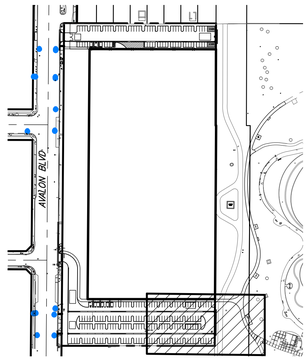
LACo BENCHMARK NO. RY187A EL. 136.911 FT 41.731 M

RDBM TAG IN N CB 1FT W/O BCR @ NW COR MAIN ST & EL SEGUNDO BLVD.

WATTS QUAD 2013
NAVD88



KEY PLAN
N.T.S.

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

PAUL MURDOCH ARCHITECTS
6310 SAN VICENTE BLVD SUITE 400
LOS ANGELES, CALIFORNIA 90048
310 358-0993

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NO.	DATE	REVISION

MAGIC JOHNSON PARK
MAKE READY &
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12416 AVALON BLVD.
LOS ANGELES, CA 90061

PMA PROJECT NO.
21023.01

DRAWING TITLE
GRADING PLAN

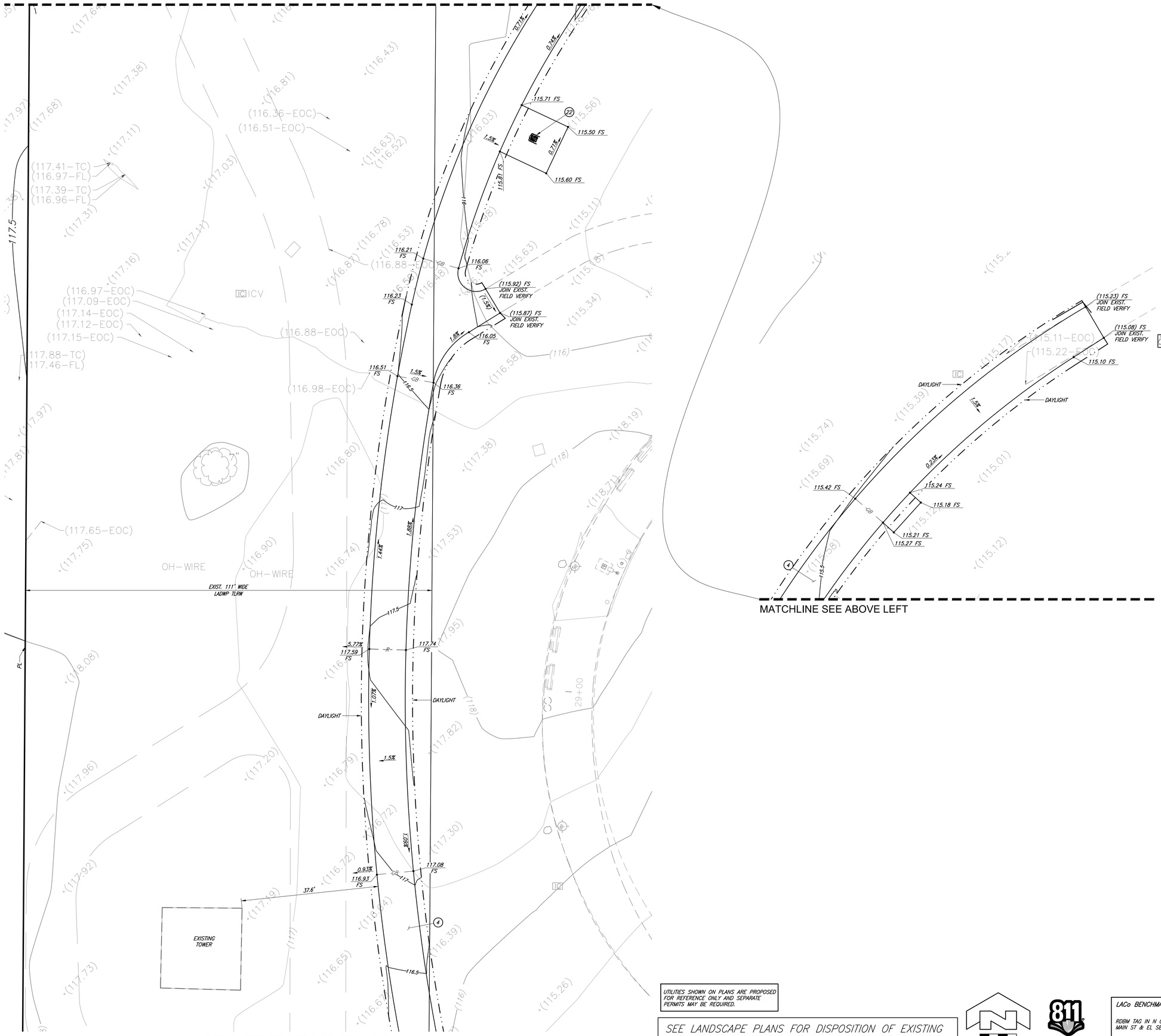
SCALE
AS SHOWN

DATE
06/01/2026

DRAWN VC
CHECKED BLH

SHEET NO.
C207

MATCHLINE SEE BELOW RIGHT



MATCHLINE SEE ABOVE LEFT

SEE SHEET C209 FOR CONTINUATION

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SEE LANDSCAPE PLANS FOR DISPOSITION OF EXISTING AND PROPOSED TREES.

0' 10'

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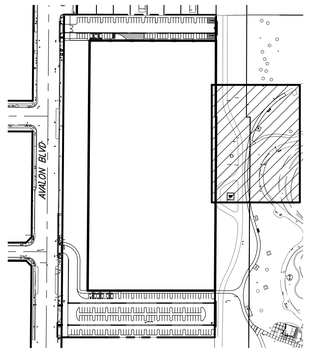
WATTS QUAD 2013
NAVD88



KEY PLAN
N.T.S.

CONSTRUCTION NOTES:

1. CONSTRUCT AC PAVEMENT & BASE PER DETAIL 3 ON SHEET C401.
2. CONSTRUCT 0" CURB FACE PER DETAIL 2 ON SHEET C401.
3. CONSTRUCT CURB & GUTTER PER DETAIL 5 ON SHEET C401.
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26. PARKWAY DRAIN. SEE STREET PLANS.
27. CONSTRUCT CHAIN LINK VEHICULAR ACCESS GATE PER DETAIL 1 ON SHEET C404.
28. CONSTRUCT 8' HIGH CHAIN LINK FENCING & FOOTING PER DETAILS 2 & 3 ON SHEET C404.
29. FILTER CATCH BASIN. SEE STORM DRAIN PLAN C301.

PAUL MURDOCH ARCHITECTS

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310 358-0993

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NO.	DATE	REVISION

MAGIC JOHNSON PARK
MAKE READY &
PARKING PROJECT

12416 AVALON BLVD.
LOS ANGELES, CA 90061

PMA PROJECT NO.
21023.01

DRAWING TITLE
GRADING PLAN

SCALE
AS SHOWN

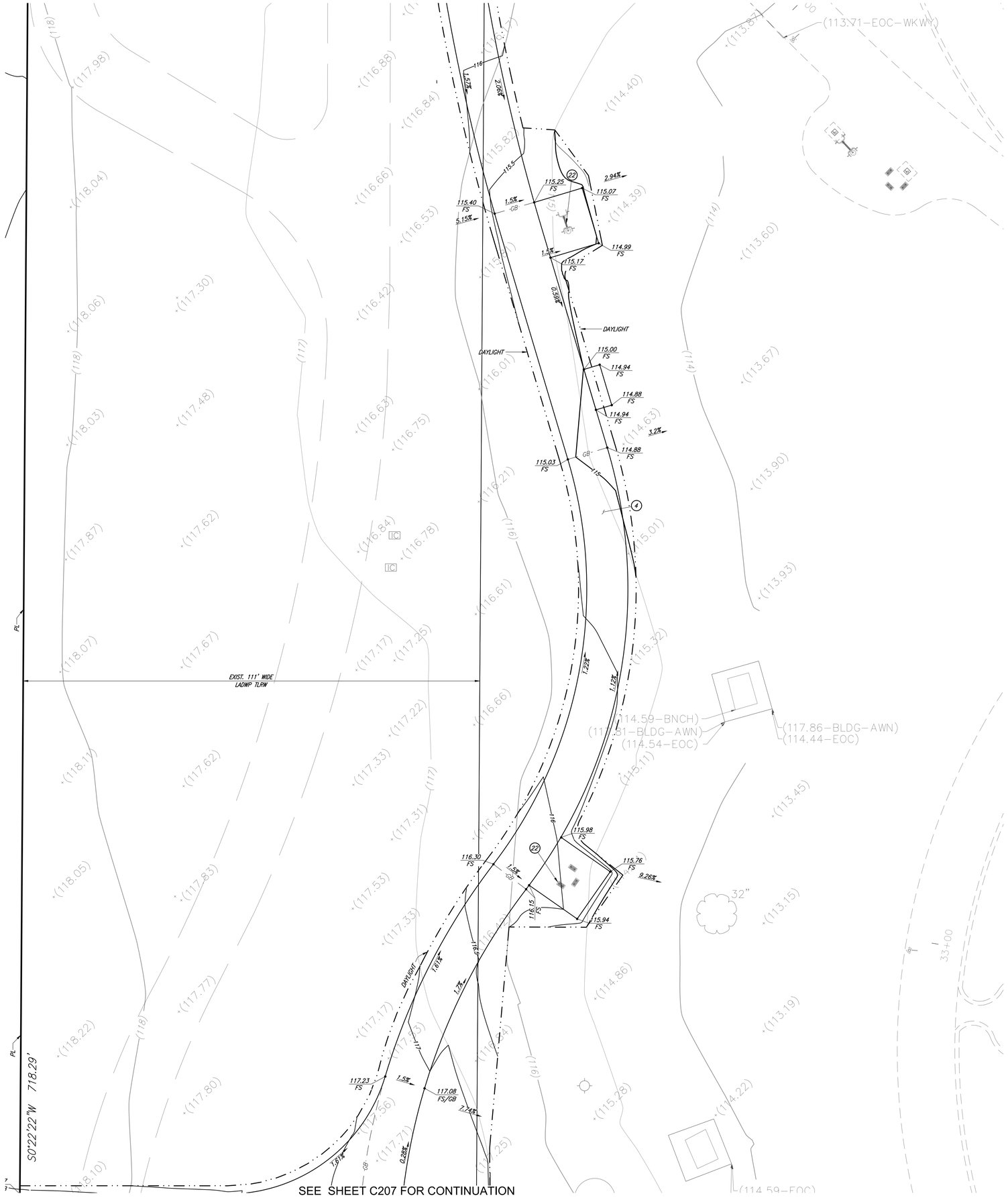
DATE
06/01/2026

DRAWN VC
CHECKED BLH

SHEET NO.
C208

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

SEE SHEET C208 FOR CONTINUATION



SEE SHEET C207 FOR CONTINUATION

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2. CONSTRUCT 0" CURB FACE PER DETAIL 2 ON SHEET C401.
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29. FILTER CATCH BASIN. SEE STORM DRAIN PLAN C301.

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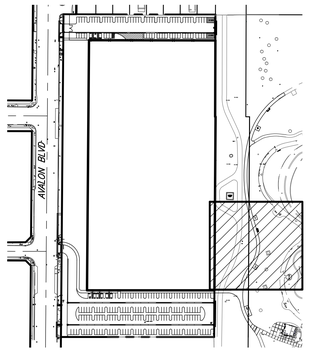

KEY PLAN
N.T.S.

0' 10'

811 Know what's below. Call before you dig.

LACo BENCHMARK NO. RY187A EL. 136.911 FT
41.731 M

RDBM TAG IN N CB 1FT W/O BCR @ NW COR MAIN ST & EL SEGUNDO BLVD.

WATTS QUAD 2013
NAVD88

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

PAUL MURDOCH ARCHITECTS
6310 SAN VICENTE BLVD SUITE 400
LOS ANGELES, CALIFORNIA 90048
310 358-0993

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REGISTERED PROFESSIONAL ENGINEER
BARBARA L. HALL
No. 42206
Exp. 03/31/28
CIVIL
STATE OF CALIFORNIA

Public Works
LOS ANGELES COUNTY

COUNTY OF LOS ANGELES
CALIFORNIA

NO.	DATE	REVISION

MAGIC JOHNSON PARK
MAKE READY &
PARKING PROJECT

12416 AVALON BLVD.
LOS ANGELES, CA 90061

PMA PROJECT NO.
21023.01

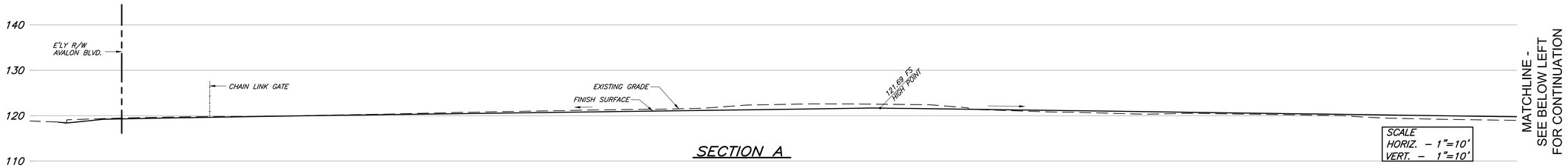
DRAWING TITLE
GRADING PLAN

SCALE
AS SHOWN

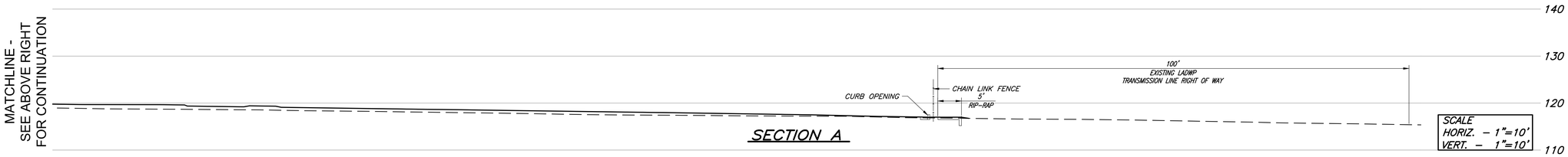
DATE
06/01/2026

DRAWN VC
CHECKED BLH

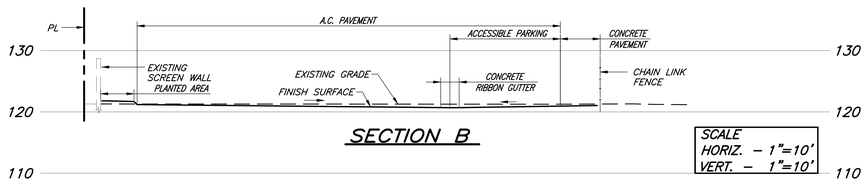
SHEET NO.
C209



SECTION A



SECTION A



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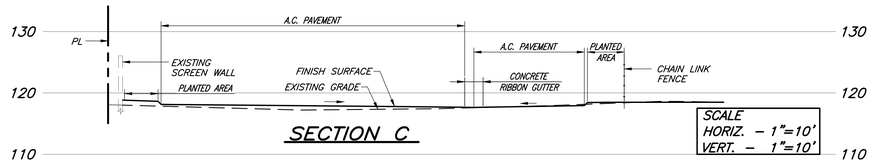

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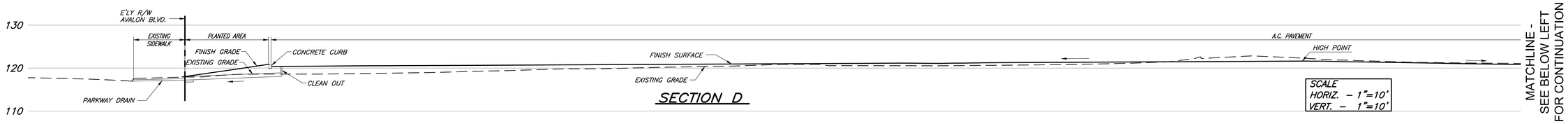

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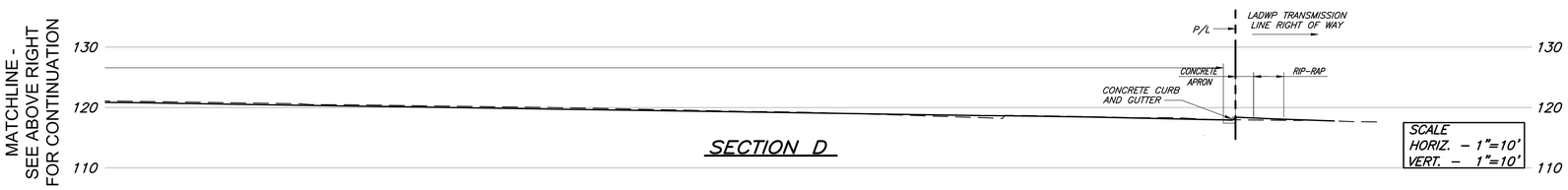

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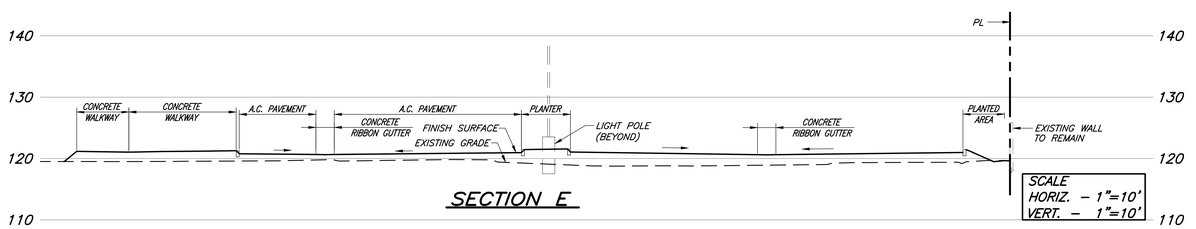

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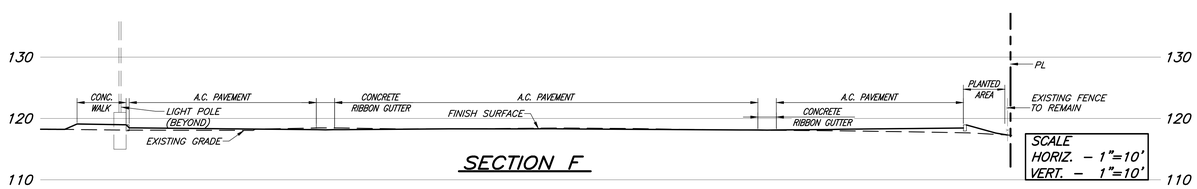
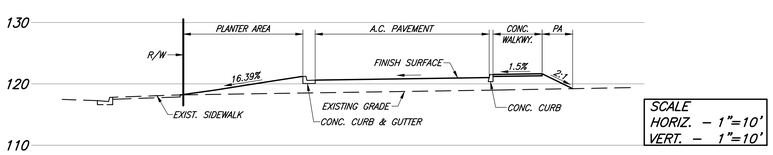


SECTION F



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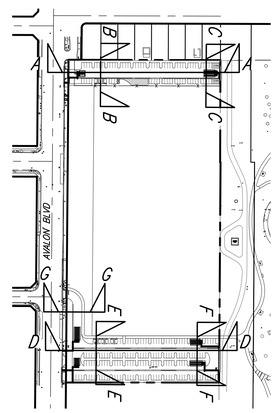

KEY PLAN
N.T.S.

Know what's below.
Call before you dig.

LACo BENCHMARK NO. RY187A EL. 136.911 FT
41.731 M
RDBM TAG IN N CB 1FT W/O BCR @ NW COR
MAIN ST & EL SEGUNDO BLVD.
WATTS QUAD 2013
NAVD88

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

PAUL MURDOCH
ARCHITECTS

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LOS ANGELES, CALIFORNIA 90048
310 358-0993

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REGISTERED PROFESSIONAL ENGINEER
BARBARA L. HALL
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Exp. 03/31/28
CIVIL
STATE OF CALIFORNIA

Public Works
LOS ANGELES COUNTY

COUNTY OF LOS ANGELES
CALIFORNIA

NO.	DATE	REVISION

MAGIC JOHNSON PARK
MAKE READY &
PARKING PROJECT

12416 AVALON BLVD.
LOS ANGELES, CA 90061

PWA PROJECT NO.
21023.01

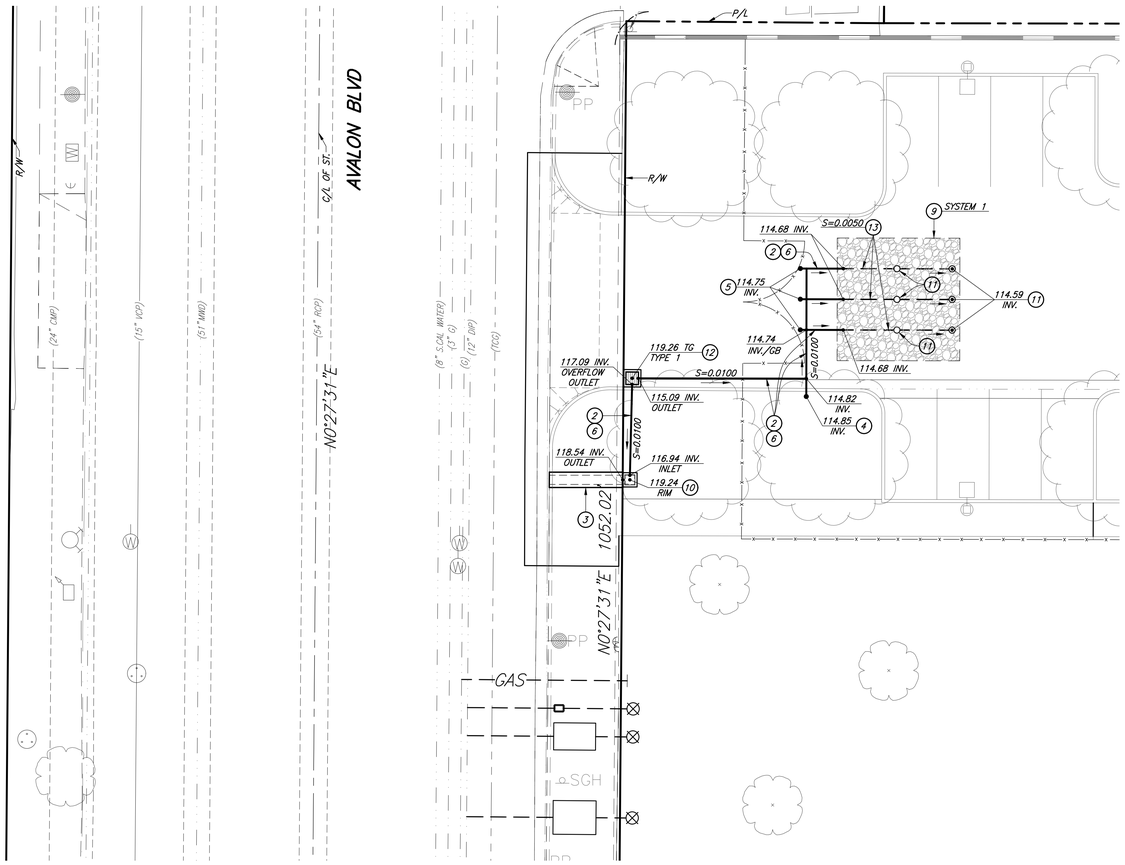
DRAWING TITLE
SECTIONS

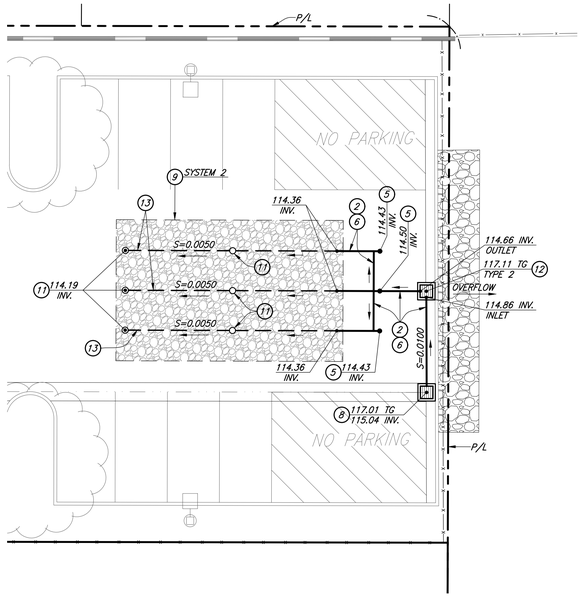
SCALE
AS SHOWN

DATE
06/01/2026

DRAWN: VC
CHECKED: BLH

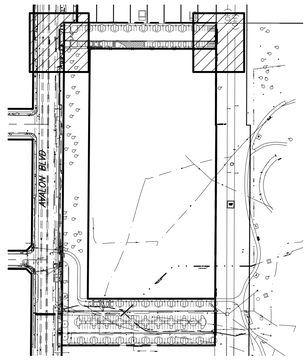
SHEET NO.
C210





CONSTRUCTION NOTES:

1. FURNISH & INSTALL 4"ø SCHEDULE 40 PVC DWV PIPE & FITTINGS.
2. FURNISH & INSTALL 8"ø SCHEDULE 40 PVC DWV PIPE & FITTINGS.
3. PARKWAY DRAIN. SEE STREET PLANS
4. CONSTRUCT SEWER OR DRAIN CLEANOUT IN LANDSCAPE AREA PER DETAIL 4 ON SHEET C403.
5. CONSTRUCT SEWER OR DRAIN CLEANOUT IN AC PAVEMENT PER DETAIL 1 ON SHEET C403.
6. BACKFILL TRENCH PER DETAIL 9 ON SHEET C401.
7. CONSTRUCT PLANTER DRAIN PER DETAIL 6 ON SHEET C403.
8. CONSTRUCT FILTER CATCH BASIN PER DETAIL 2 ON SHEET C403.
9. CONSTRUCT INFILTRATION TRENCH PER DETAIL 1 ON SHEET C406.
10. CONSTRUCT BURP STRUCTURE OUTLET PER DETAIL 3 ON SHEET C403.
11. CONSTRUCT OBSERVATION WELL PER DETAIL 1 ON SHEET C406.
12. CONSTRUCT FILTER DISTRIBUTION BOX PER DETAIL 7 ON SHEET C403.
13. FURNISH & INSTALL PERFORATED 8"ø SCHEDULE 40 PVC PIPE & FITTINGS.



KEY PLAN
N.T.S.

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0' 10'

Know what's below. Call before you dig.

LACo BENCHMARK NO. RY187A EL. 136.911 FT 41.731 M

RDBM TAC IN N CB 1FT W/O BCR @ NW COR MAIN ST & EL SEGUNDO BLVD.

WATTS QUAD 2013
NAVD88

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

PAUL MURDOCH ARCHITECTS
6310 SAN VICENTE BLVD SUITE 400
LOS ANGELES, CALIFORNIA 90048
310 358-0993

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REGISTERED PROFESSIONAL ENGINEER
BARBARA L. HALL
No. 42206
Exp. 03/31/28
CIVIL
STATE OF CALIFORNIA

Public Works
LOS ANGELES COUNTY

COUNTY OF LOS ANGELES
CALIFORNIA

NO.	DATE	REVISION

MAGIC JOHNSON PARK
MAKE READY &
PARKING PROJECT

12416 AVALON BLVD.
LOS ANGELES, CA 90061

PWA PROJECT NO.
21023.01

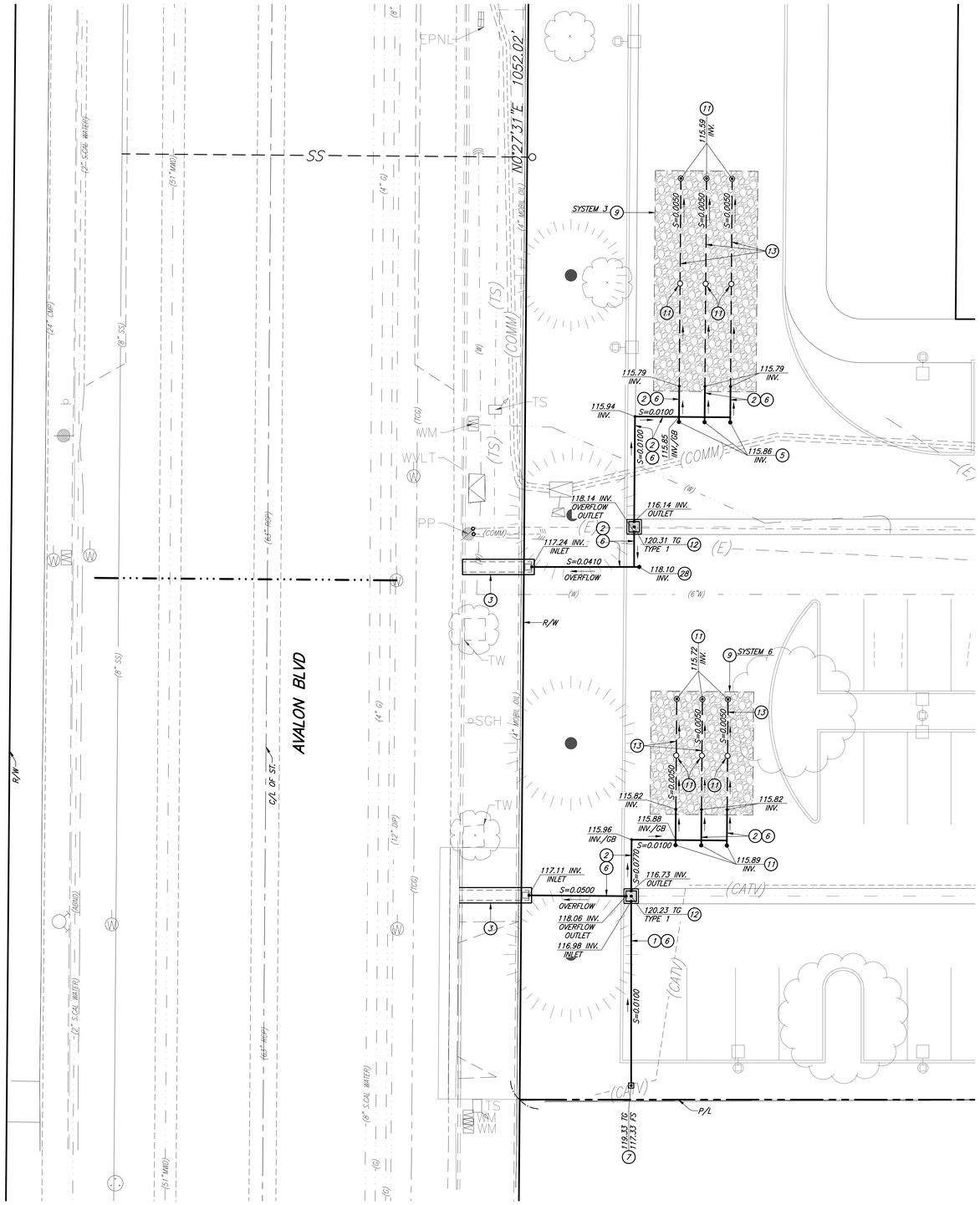
DRAWING TITLE
STORM DRAIN PLAN

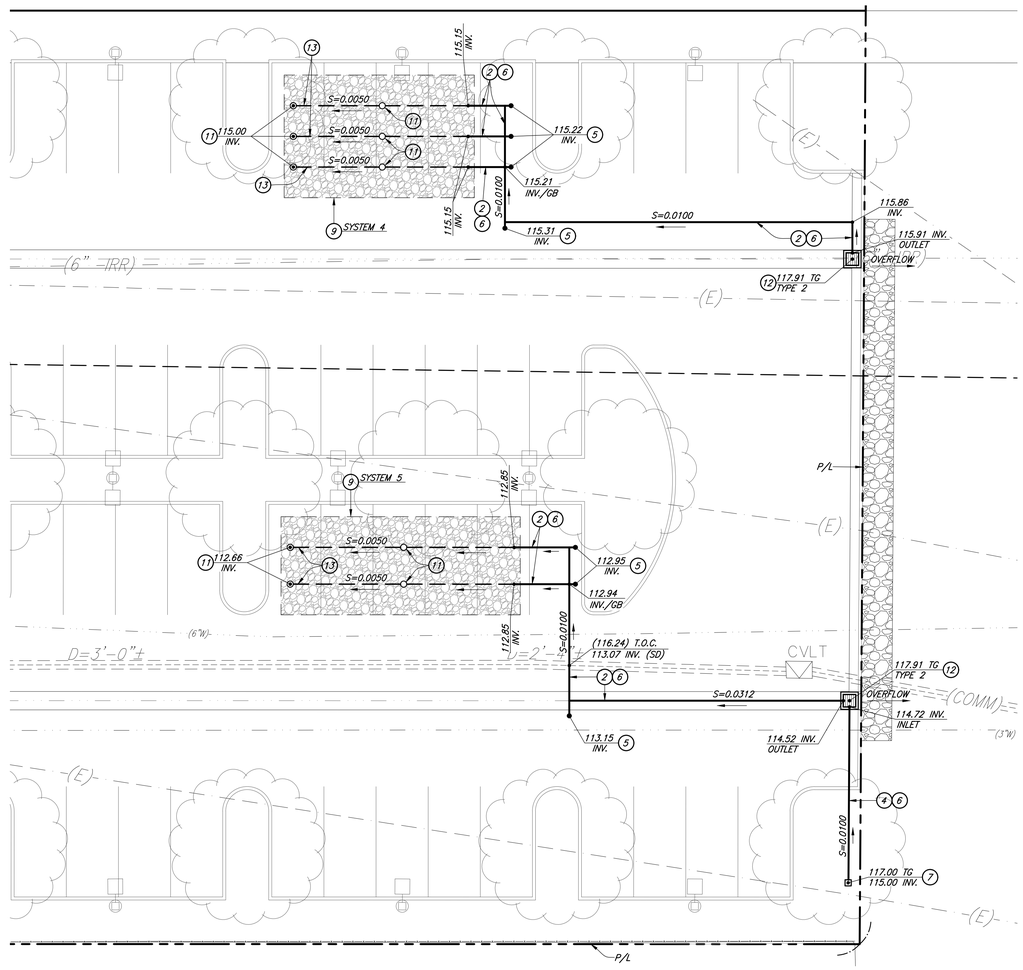
SCALE
AS SHOWN

DATE
06/01/2026

DRAWN VC
CHECKED BLH

SHEET NO.
C301





CONSTRUCTION NOTES:

1. FURNISH & INSTALL 4"ø SCHEDULE 40 PVC DWV PIPE & FITTINGS.
2. FURNISH & INSTALL 8"ø SCHEDULE 40 PVC DWV PIPE & FITTINGS.
3. PARKWAY DRAIN. SEE STREET PLANS
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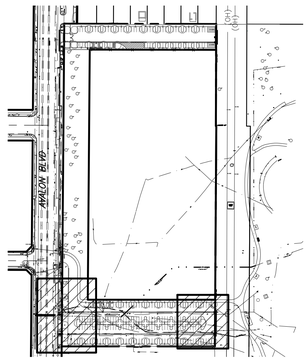
12. CONSTRUCT FILTER DISTRIBUTION BOX PER DETAIL 7 ON SHEET C403.
13. FURNISH & INSTALL PERFORATED 8"ø SCHEDULE 40 PVC PIPE & FITTINGS.



KEY PLAN
N.T.S.

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0' 10'

Know what's below. Call before you dig.

LACo BENCHMARK NO. RY187A EL. 136.911 FT 41.731 M

RDBM TAG IN N CB 1FT W/O BCR @ NW COR MAIN ST & EL SEGUNDO BLVD.

WATTS QUAD 2013
NAVD88

Barbara L. Hall, P.E., Inc.
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REGISTERED PROFESSIONAL ENGINEER
BARBARA L. HALL
No. 42206
Exp. 03/31/28
CIVIL
STATE OF CALIFORNIA

Public Works
LOS ANGELES COUNTY

COUNTY OF LOS ANGELES
CALIFORNIA

NO.	DATE	REVISION

MAGIC JOHNSON PARK
MAKE READY &
PARKING PROJECT

12416 AVALON BLVD.
LOS ANGELES, CA 90061

PNA PROJECT NO.
21023.01

DRAWING TITLE
STORM DRAIN PLAN

SCALE
AS SHOWN

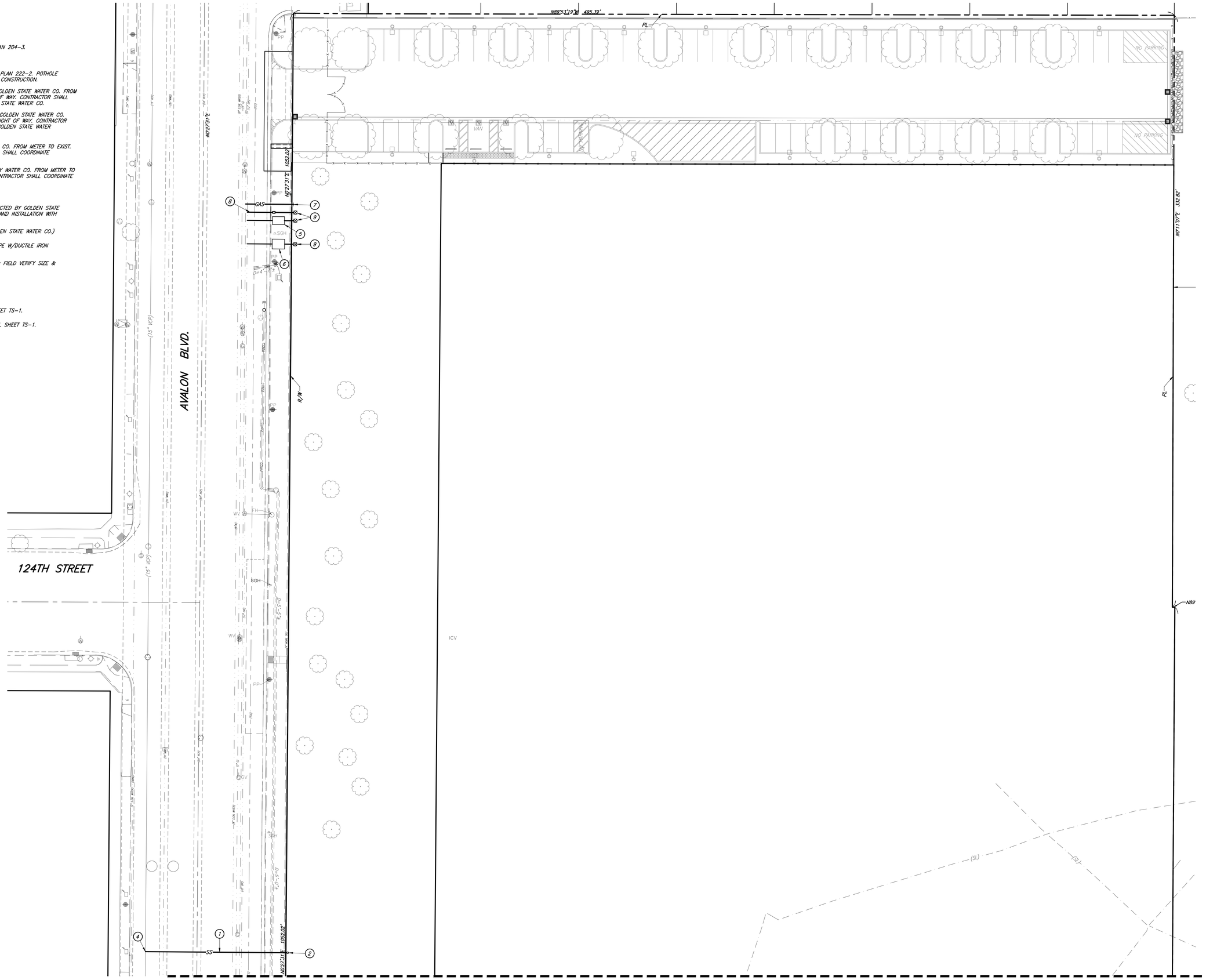
DATE
06/01/2026

DRAWN VC
CHECKED BLH

SHEET NO.
C302

CONSTRUCTION NOTES:

1. FURNISH & INSTALL 6"ø VCP.
2. CONSTRUCT TERMINAL CLEANOUT PER SPPWC STD. PLAN 204-3.
3. NOT USED.
4. CONNECT TO EXISTING SEWER MAIN PER SPPWC STD. PLAN 222-2. POTHOLE & FIELD VERIFY SIZE, DEPTH & STD. TYPE PRIOR TO CONSTRUCTION.
5. 3" WATER SERVICE ASSEMBLY TO BE CONSTRUCTED GOLDEN STATE WATER CO. FROM METER TO EXIST. WATER LINE IN THE PUBLIC RIGHT OF WAY. CONTRACTOR SHALL COORDINATE SERVICE AND INSTALLATION WITH GOLDEN STATE WATER CO.
6. 6" FIRE SERVICE ASSEMBLY TO BE CONSTRUCTED BY GOLDEN STATE WATER CO. FROM METER TO EXIST. WATER LINE IN THE PUBLIC RIGHT OF WAY. CONTRACTOR SHALL COORDINATE SERVICE AND INSTALLATION WITH GOLDEN STATE WATER COMPANY.
7. GAS SERVICE ASSEMBLY TO BE CONSTRUCTED BY GAS CO. FROM METER TO EXIST. GAS LINE IN THE PUBLIC RIGHT OF WAY. CONTRACTOR SHALL COORDINATE SERVICE AND INSTALLATION WITH GAS COMPANY.
8. 2" WATER SERVICE ASSEMBLY TO BE CONSTRUCTED BY WATER CO. FROM METER TO EXIST. WATER LINE IN THE PUBLIC RIGHT OF WAY. CONTRACTOR SHALL COORDINATE SERVICE AND INSTALLATION WITH WATER COMPANY.
9. POINT OF CONNECTION.
10. 6" FIRE HYDRANT SERVICE ASSEMBLY TO BE CONSTRUCTED BY GOLDEN STATE WATER CO. CONTRACTOR SHALL COORDINATE SERVICE AND INSTALLATION WITH GOLDEN STATE WATER COMPANY.
11. REMOVE EXISTING FIRE HYDRANT ASSEMBLY. (BY GOLDEN STATE WATER CO.)
12. FURNISH AND INSTALL 6"ø C900, CLASS 200, PVC PIPE W/DUCTILE IRON FITTINGS LAKE FILL LINE.
13. CONNECT TO EXISTING 6" LAKE FILL LINE. POTHOLE & FIELD VERIFY SIZE & DEPTH PRIOR TO CONSTRUCTION.
14. PROTECT EXISTING UTILITY IN PLACE.
15. NOT USED.
16. TRAFFIC SIGNAL POLE. SEE TRAFFIC SIGNAL PLAN, SHEET TS-1.
17. PEDESTRIAN PUSH BUTTON. SEE TRAFFIC SIGNAL PLAN, SHEET TS-1.



MATCHLINE - SEE SHEET C304

UTILITIES SHOWN ON PLANS ARE PROPOSED FOR REFERENCE ONLY AND SEPARATE PERMITS MAY BE REQUIRED.

0' 20'

Know what's below. Call before you dig.

LACo BENCHMARK NO. RY187A EL. 136.911 FT 41.731 M

RDBM TAC IN N CB 1FT W/O BCR @ NW COR MAIN ST & EL SEGUNDO BLVD.

WATTS QUAD 2013 NAVD88

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Monrovia, CA 91016
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No. 42206
Exp. 03/31/28
CIVIL
STATE OF CALIFORNIA

Public Works
LOS ANGELES COUNTY

COUNTY OF LOS ANGELES
CALIFORNIA

NO.	DATE	REVISION

MAGIC JOHNSON PARK
MAKE READY &
PARKING PROJECT

12416 AVALON BLVD.
LOS ANGELES, CA 90061

PMA PROJECT NO.
21023.01

DRAWING TITLE
UTILITY PLAN

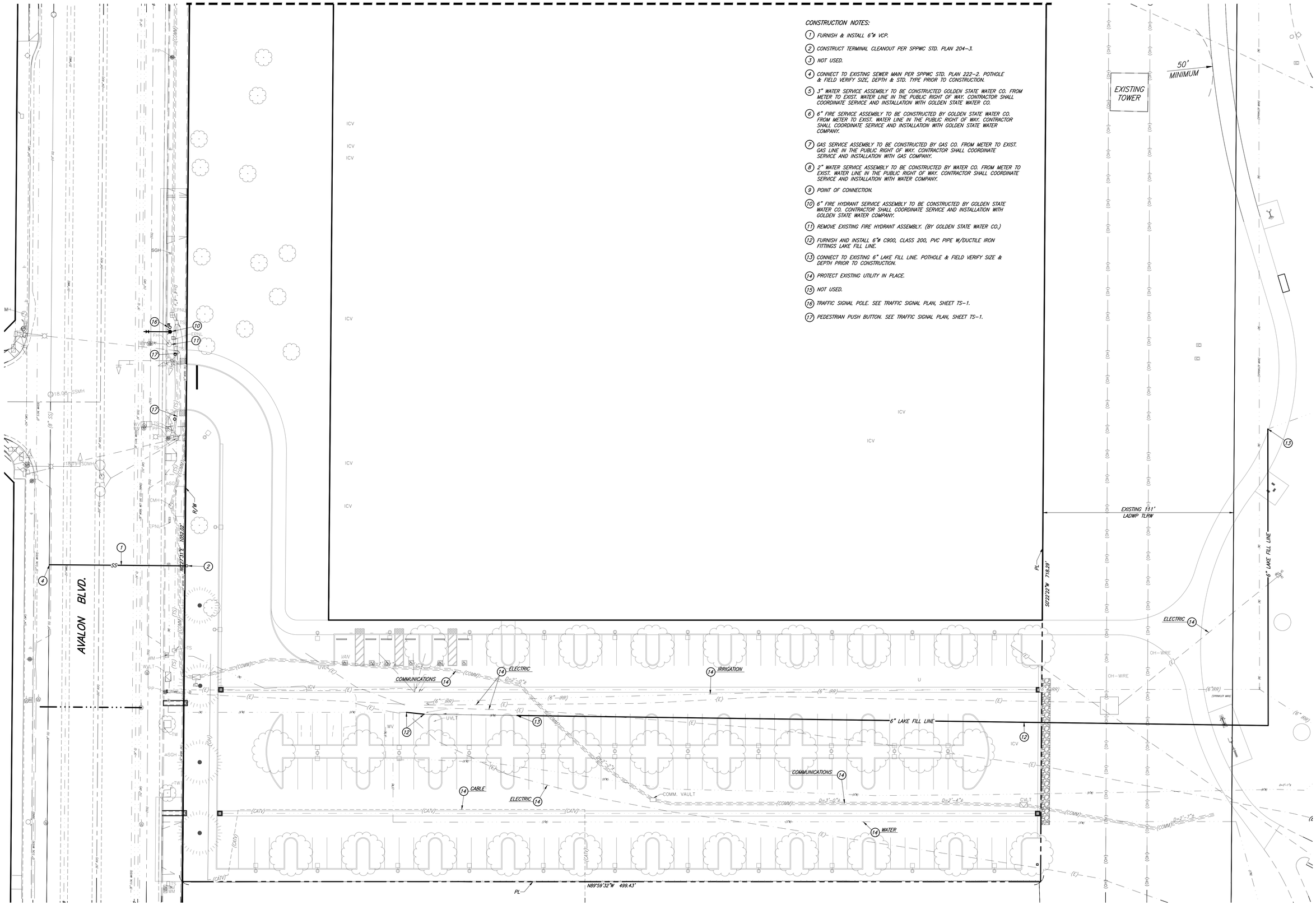
SCALE
AS SHOWN

DATE
06/01/2026

DRAWN VC
CHECKED BLH

SHEET NO.
C303

MATCHLINE - SEE SHEET C303



CONSTRUCTION NOTES:

1. FURNISH & INSTALL 6"ø VCP.
2. CONSTRUCT TERMINAL CLEANOUT PER SPPWC STD. PLAN 204-3.
3. NOT USED.
4. CONNECT TO EXISTING SEWER MAIN PER SPPWC STD. PLAN 222-2. POTHOLE & FIELD VERIFY SIZE, DEPTH & STD. TYPE PRIOR TO CONSTRUCTION.
5. 3" WATER SERVICE ASSEMBLY TO BE CONSTRUCTED GOLDEN STATE WATER CO. FROM METER TO EXIST. WATER LINE IN THE PUBLIC RIGHT OF WAY. CONTRACTOR SHALL COORDINATE SERVICE AND INSTALLATION WITH GOLDEN STATE WATER CO.
6. 6" FIRE SERVICE ASSEMBLY TO BE CONSTRUCTED BY GOLDEN STATE WATER CO. FROM METER TO EXIST. WATER LINE IN THE PUBLIC RIGHT OF WAY. CONTRACTOR SHALL COORDINATE SERVICE AND INSTALLATION WITH GOLDEN STATE WATER COMPANY.
7. GAS SERVICE ASSEMBLY TO BE CONSTRUCTED BY GAS CO. FROM METER TO EXIST. GAS LINE IN THE PUBLIC RIGHT OF WAY. CONTRACTOR SHALL COORDINATE SERVICE AND INSTALLATION WITH GAS COMPANY.
8. 2" WATER SERVICE ASSEMBLY TO BE CONSTRUCTED BY WATER CO. FROM METER TO EXIST. WATER LINE IN THE PUBLIC RIGHT OF WAY. CONTRACTOR SHALL COORDINATE SERVICE AND INSTALLATION WITH WATER COMPANY.
9. POINT OF CONNECTION.
10. 6" FIRE HYDRANT SERVICE ASSEMBLY TO BE CONSTRUCTED BY GOLDEN STATE WATER CO. CONTRACTOR SHALL COORDINATE SERVICE AND INSTALLATION WITH GOLDEN STATE WATER COMPANY.
11. REMOVE EXISTING FIRE HYDRANT ASSEMBLY. (BY GOLDEN STATE WATER CO.)
12. FURNISH AND INSTALL 6"ø C900, CLASS 200, PVC PIPE W/DUCTILE IRON FITTINGS LAKE FILL LINE.
13. CONNECT TO EXISTING 6" LAKE FILL LINE. POTHOLE & FIELD VERIFY SIZE & DEPTH PRIOR TO CONSTRUCTION.
14. PROTECT EXISTING UTILITY IN PLACE.
15. NOT USED.
16. TRAFFIC SIGNAL POLE. SEE TRAFFIC SIGNAL PLAN, SHEET TS-1.
17. PEDESTRIAN PUSH BUTTON. SEE TRAFFIC SIGNAL PLAN, SHEET TS-1.

UTILITIES SHOWN ON PLANS ARE PROPOSED FOR REFERENCE ONLY AND SEPARATE PERMITS MAY BE REQUIRED.

0' 30'

Know what's below. Call before you dig.

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RDBM TAG IN N CB 1FT W/O BCR @ NW COR MAIN ST & EL SEGUNDO BLVD.

WATTS QUAD 2013
NAVD88

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

PAUL MURDOCH ARCHITECTS
6310 SAN VICENTE BLVD SUITE 400
LOS ANGELES, CALIFORNIA 90048
310 358-0993

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REGISTERED PROFESSIONAL ENGINEER
BARBARA L. HALL
No. 42206
Exp. 03/31/28
CIVIL
STATE OF CALIFORNIA

Public Works
LOS ANGELES COUNTY

COUNTY OF LOS ANGELES
CALIFORNIA

NO.	DATE	REVISION

MAGIC JOHNSON PARK
MAKE READY &
PARKING PROJECT

12416 AVALON BLVD.
LOS ANGELES, CA 90061

PWA PROJECT NO.
21023.01

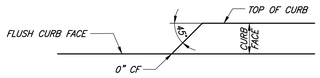
DRAWING TITLE
UTILITY PLAN

SCALE
AS SHOWN

DATE
06/01/2026

DRAWN VC
CHECKED BLH

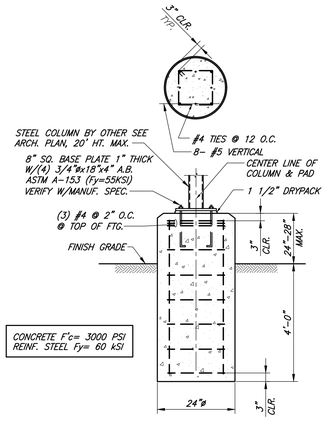
SHEET NO.
C304



ELEVATION

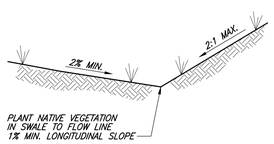
0"–6" CURB FACE TRANSITION (10)

NTS



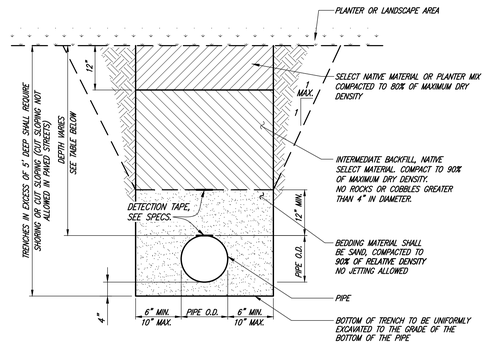
LIGHT POLE FOOTING (11)

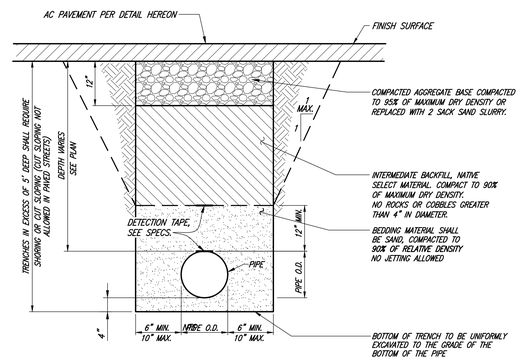
NTS



GRASSY DRAINAGE SWALE (12)

NTS





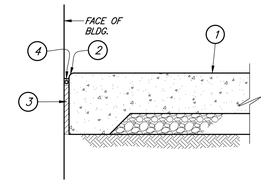
TRENCH BACKFILL (9)

NTS

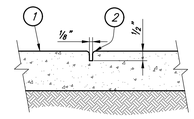
NOTE:

SEE ARCHITECTURAL PLANS FOR SCORING & JOINT PATTERNS.

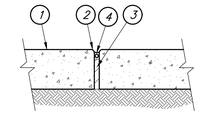
MINIMUM REQUIREMENTS:
– E.J.'S @ 20' O.C. EACH WAY
– C.J.'S @ 5' O.C. EACH WAY FOR PEDESTRIAN –
C.J.'S @ 10' O.C. EACH WAY FOR VEHICULAR



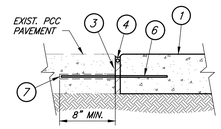
CONCRETE PAVEMENT @ BLDG.



A. CONTROL JOINT

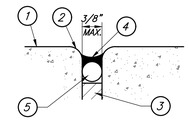


B. EXPANSION JOINT WITH SEALANT



C. DOWELED COLD JOINT

@ JOIN W/EXISTING PCC PAVEMENT



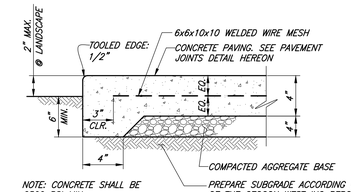
TYPICAL ENLARGEMENT OF JOINT

LEGEND:

1. CONC. PAVING
2. 1/4" TOOLED RADIUS EDGE OR SAWCUT JOINT
3. PREMOLDED BITUMINOUS EXPANSION JOINT FILLER PER SSPWC SECTIONS 201–3.2 WITH TYPE "A" SEALANT 201–3.4
4. SEALANT W/SAND FINISH – COLOR TO BE SELECTED BY ARCH. SUBMIT COLOR SAMPLES PRIOR TO INSTALLATION
5. BACKER ROD
6. #4x18" DOWEL @ 36" O.C., CTR. IN CONC.
7. DRILLED EPOXY DOWEL PREMOLDED BITUMINOUS EXPANSION JOINT FILLER PER SSPWC SECTIONS 201–3.2 WITH TYPE "A" SEALANT 201–3.4

PCC PAVEMENT JOINTS (6)

NTS

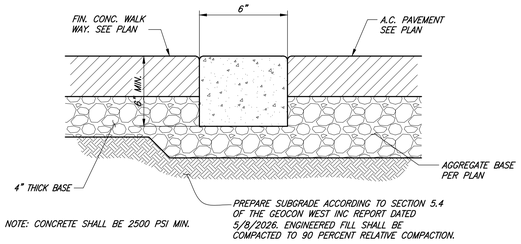


NOTE: CONCRETE SHALL BE 2500 PSI MIN.

PREPARE SUBGRADE ACCORDING TO SECTION 5.4 OF THE GEOCON WEST INC REPORT DATED 5/8/2026. ENGINEERED FILL SHALL BE COMPACTED TO 90 PERCENT RELATIVE COMPACTION.

PCC PEDESTRIAN PAVEMENT (1)

NTS



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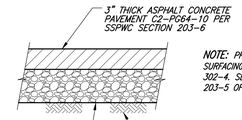
0" CURB FACE (2)

NTS



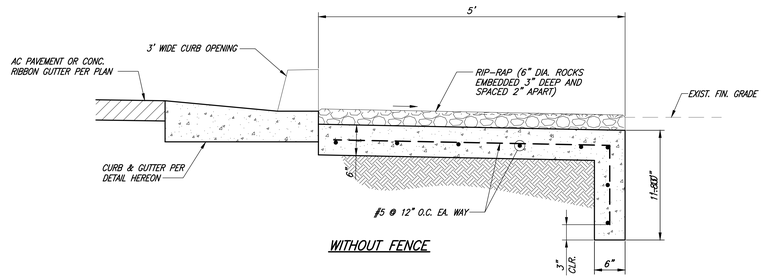
NOTE: PROVIDE SLURRY SEAL SURFACING PER SSPWC SECTION 302–4. SLURRY SEAL PER SECTION 203–5 OF THE SSPWC.

6" THICK AGGREGATE BASE MATERIAL COMPACT TO 95% RELATIVE COMPACTION PER SSPWC SECTION 200–2.2 OR CRUSHED MISC. BASE FINE GRADATION PER SSPWC TABLE 200–2.4.2

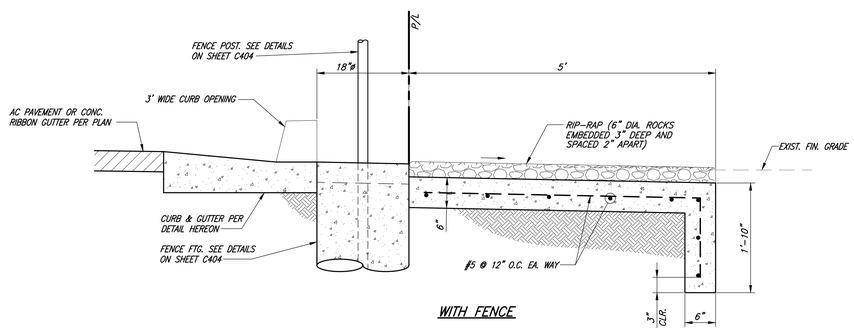
PREPARE SUBGRADE ACCORDING TO SECTION 5.4 OF THE GEOCON WEST INC REPORT DATED 5/8/2026. ENGINEERED FILL SHALL BE COMPACTED TO 90 PERCENT RELATIVE COMPACTION.

ASPHALT CONCRETE PAVEMENT (3)

NTS



WITHOUT FENCE



WITH FENCE

NOTE:
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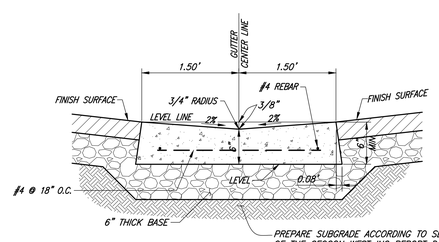
CONC. APRON & RIP–RAP (12)

NTS

NOT USED (7)

NTS



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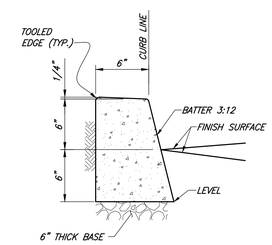
RIBBON GUTTER (8)

NTS



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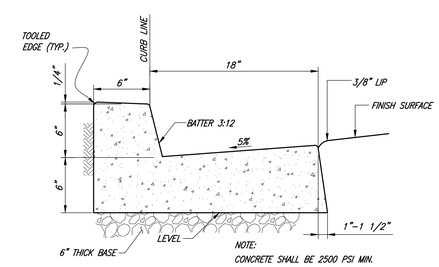
6" CURB (4)

NTS



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CURB & GUTTER (5)

NTS

UTILITIES SHOWN ON PLANS ARE PROPOSED FOR REFERENCE ONLY AND SEPARATE PERMITS MAY BE REQUIRED.

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Public Works
LOS ANGELES COUNTY

COUNTY OF LOS ANGELES
CALIFORNIA

NO.	DATE	REVISION

MAGIC JOHNSON PARK
MAKE READY &
PARKING PROJECT

12416 AVALON BLVD.
LOS ANGELES, CA 90061

PMA PROJECT NO.
21023.01

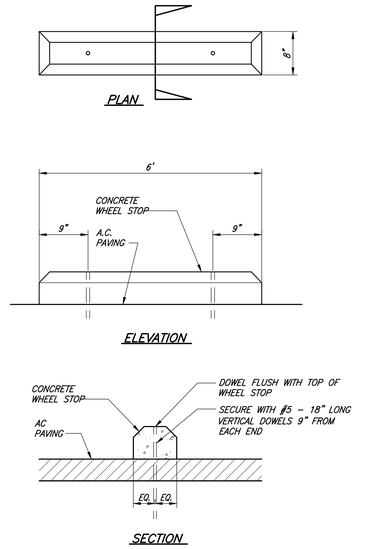
DRAWING TITLE
DETAILS

SCALE
AS SHOWN

DATE
06/01/2026

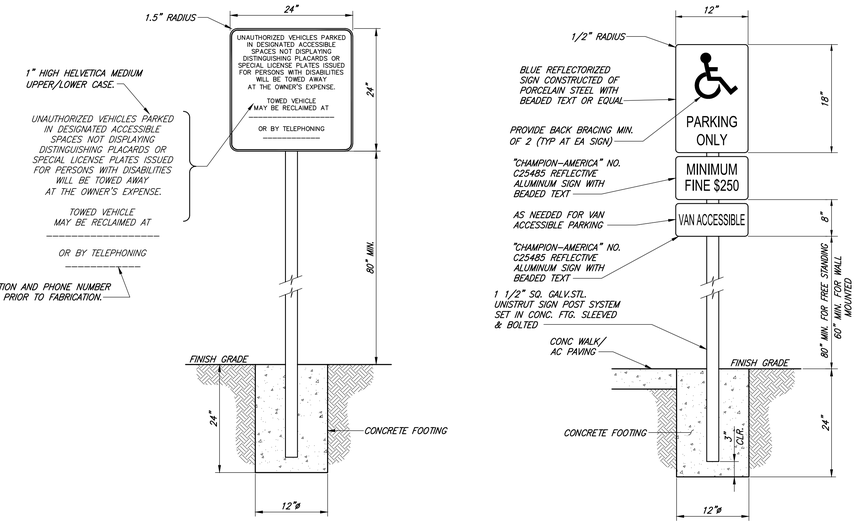
DRAWN: VC
CHECKED: BLH

SHEET NO.
C401



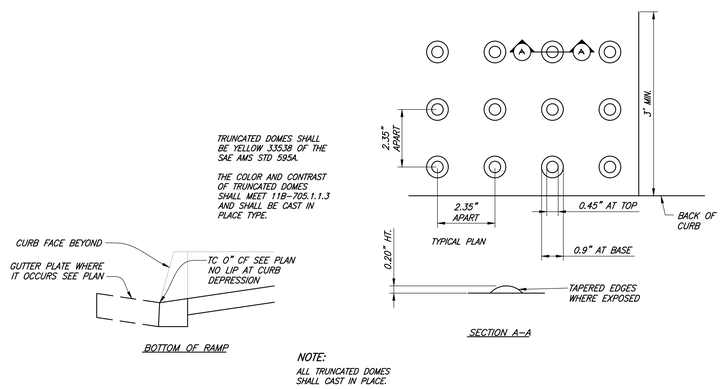
CONCRETE WHEEL STOP (4)

NTS



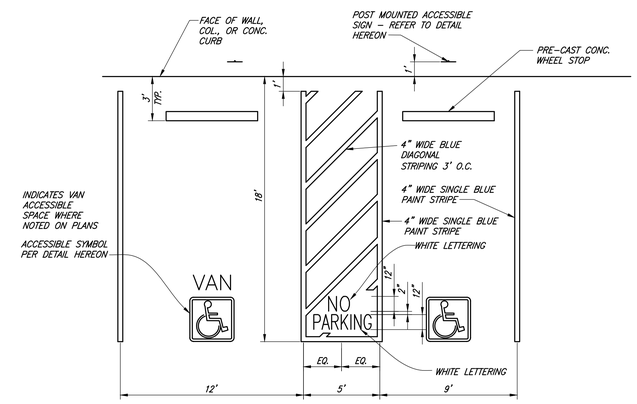
ACCESSIBLE PARKING SIGN (1)

NTS



TRUNCATED DOMES (5)

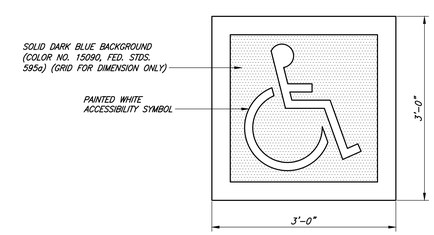
NTS



NOTES:
1. POST MOUNTED SIGN SHALL BE MIN. 6'–8" TO BOTTOM OF SIGN.

ACCESSIBLE STALL STRIPING (2)

NTS



ACCESSIBLE SYMBOL (3)

NTS

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Public Works
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COUNTY OF LOS ANGELES
CALIFORNIA

NO.	DATE	REVISION

MAGIC JOHNSON PARK MAKE READY & PARKING PROJECT

12416 AVALON BLVD.
LOS ANGELES, CA 90061

HMA PROJECT NO.
21023.01

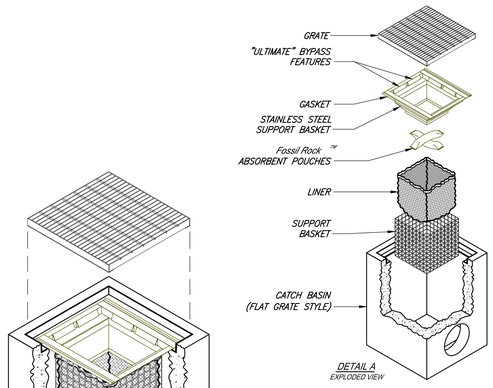
DRAWING TITLE
DETAILS

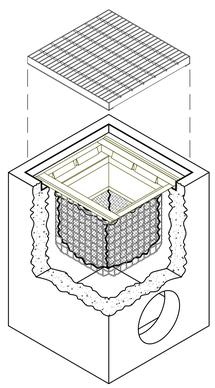
SCALE
AS SHOWN

DATE
06/01/2026

DRAWN: VC
CHECKED: BLH

SHEET NO.
C402

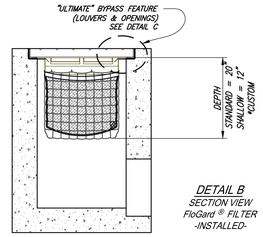




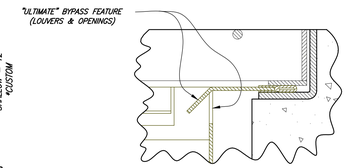
FloGard® FILTER
-INSTALLED INTO CATCH BASIN-

NOTES:

1. Filter insert shall have a high flow bypass feature.
2. Filter support frame shall be constructed from stainless steel Type 304.
3. Filter medium shall be *Fossil Rock* ™ installed and maintained in accordance with manufacturer specifications.
4. Storage capacity reflects 80% of maximum solids collection prior to impeding filtering bypass.



DETAIL B
SECTION VIEW
FloGard ® FILTER
-INSTALLED-



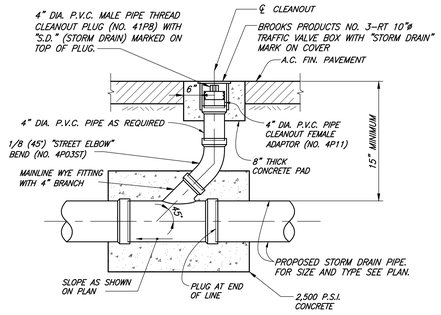
DETAIL C
"ULTIMATE"
BYPASS FEATURES

* MANY OTHER STANDARD & CUSTOM SIZES & DEPTHS AVAILABLE UPON REQUEST.

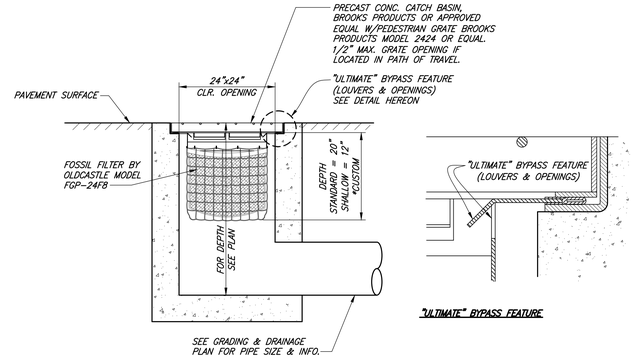
SPECIFIER CHART

MODEL NO. STANDARD DEPTH	STANDARD & SHALLOW DEPTH (Data in these columns is the same for both STANDARD & SHALLOW versions)			STANDARD DEPTH -20 Inches-		MODEL NO. SHALLOW DEPTH	SHALLOW DEPTH -12 Inches-	
	INLET ID Inside Dimension (inch x inch)	GRATE OD Outside Dimension (inch x inch)	TOTAL BYPASS CAPACITY (cu. ft. / sec.)	SOLIDS STORAGE CAPACITY (cu. ft.)	FILTERED FLOW (cu. ft. / sec.)		SOLIDS STORAGE CAPACITY (cu. ft.)	FILTERED FLOW (cu. ft. / sec.)
FGP-12F	12 X 12	12 X 14	2.8	0.3	0.4	FGP-12F8	.15	.25
FGP-1530F	15 X 30	15 X 35	6.9	2.3	1.6	FGP-1530F8	1.3	.9
FGP-16F	16 X 16	16 X 19	4.7	0.8	0.7	FGP-16F8	.45	.4
FGP-1624F	16 X 24	16 X 26	5.0	1.5	1.2	FGP-1624F8	.85	.7
FGP-18F	18 X 18	18 X 20	4.7	0.8	0.7	FGP-18F8	.45	.4
FGP-1820F	16 X 19	18 X 21	5.9	2.1	1.4	FGP-1820F8	1.2	.8
FGP-1824F	16 X 22	18 X 24	5.0	1.5	1.2	FGP-1824F8	.85	.7
FGP-1836F	18 X 36	18 X 40	6.9	2.3	1.6	FGP-1836F8	1.3	.9
FGP-2024F	18 X 22	20 X 24	5.9	1.2	1.0	FGP-2024F8	.7	.55
FGP-21F	22 X 22	22 X 24	6.1	2.2	1.5	FGP-21F8	1.25	.85
FGP-2142F	21 X 40	24 X 40	9.1	4.3	2.4	FGP-2142F8	2.45	1.35
FGP-2148F	19 X 46	22 X 48	9.8	4.7	2.6	FGP-2148F8	2.7	1.5
FGP-24F	24 X 24	24 X 27	6.1	2.2	1.5	FGP-24F8	1.25	.85
FGP-2430F	24 X 30	26 X 30	7.0	2.8	1.8	FGP-2430F8	1.6	1.05
FGP-2436F	24 X 36	24 X 40	8.0	3.4	2.0	FGP-2436F8	1.95	1.15
FGP-2448F	24 X 48	26 X 48	9.3	4.4	2.4	FGP-2448F8	2.5	1.35
FGP-28F	28 X 28	32 X 32	6.3	2.2	1.5	FGP-28F8	1.25	.85
FGP-2440F	24 X 36	28 X 40	8.3	4.2	2.3	FGP-2440F8	2.4	1.3
FGP-30F	30 X 30	30 X 34	8.1	3.6	2.0	FGP-30F8	2.05	1.15
FGP-36F	36 X 36	36 X 40	9.1	4.6	2.4	FGP-36F8	2.65	1.35
FGP-3648F	36 X 48	40 X 48	11.5	6.8	3.2	FGP-3648F8	3.9	1.85
FGP-48F	48 X 48	48 X 54	13.2	9.5	3.9	FGP-48F8	5.45	2.25
FGP-SD24F	24 X 24	28 X 28	6.1	2.2	1.5	FGP-SD24F8	1.25	.85

CATCH BASIN FILTER INSERT (5)
NTS



4" SEWER/DRAIN CLEANOUT IN A.C. PAVEMENT (1)
NTS



FILTER CATCH BASIN (2)
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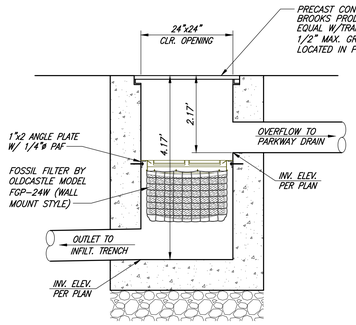

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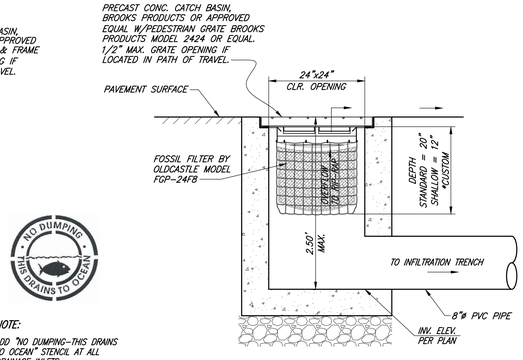
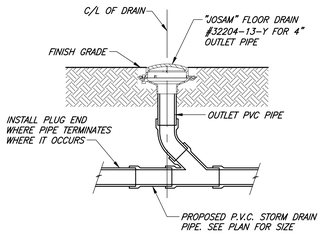


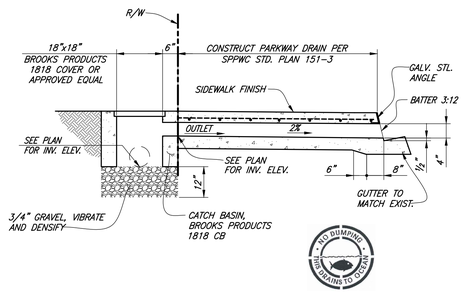
TYPE 2

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

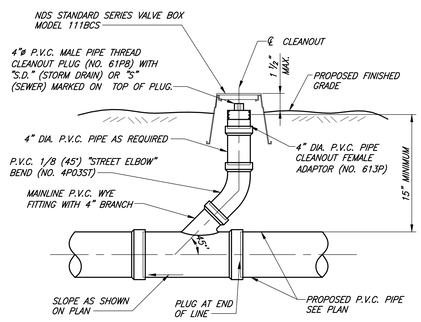
DISTRIBUTION BOX (7)
NTS



PLANTER DRAIN (6)
NTS



BURP STRUCTURE OUTLET (3)
NTS



SEWER OR DRAIN CLEANOUT IN LANDSCAPE AREA (4)
NTS

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PAUL MURDOCH ARCHITECTS
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310 358-0993

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REGISTERED PROFESSIONAL ENGINEER
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No. 42206
Exp. 03/31/28
CIVIL
STATE OF CALIFORNIA

Public Works
LOS ANGELES COUNTY

COUNTY OF LOS ANGELES
CALIFORNIA

NO.	DATE	REVISION

MAGIC JOHNSON PARK MAKE READY & PARKING PROJECT

12416 AVALON BLVD.
LOS ANGELES, CA 90061

PWA PROJECT NO.
21023.01

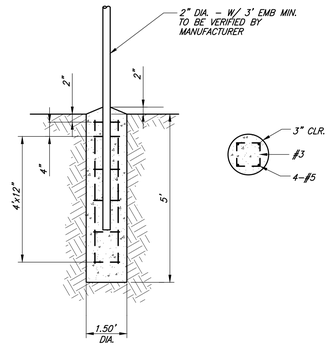
DRAWING TITLE
DETAILS

SCALE
AS SHOWN

DATE
06/01/2026

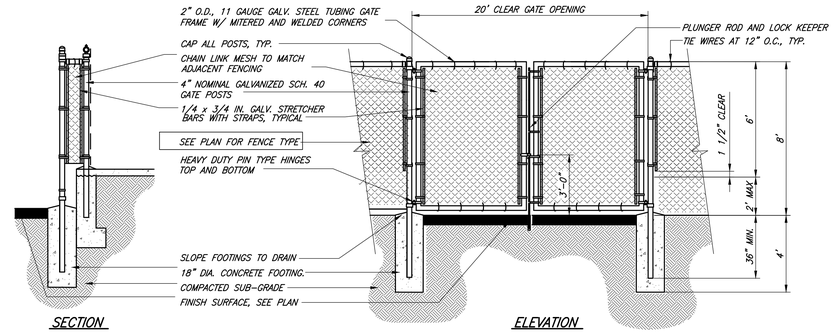
DRAWN: VC
CHECKED: BLH

SHEET NO.
C403



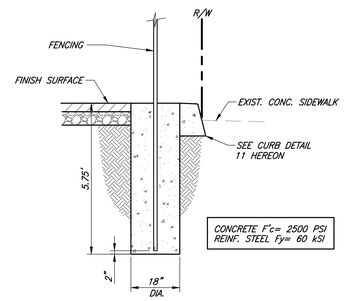
8' CHAINLINK FENCE POST FOOTING (3)

NTS



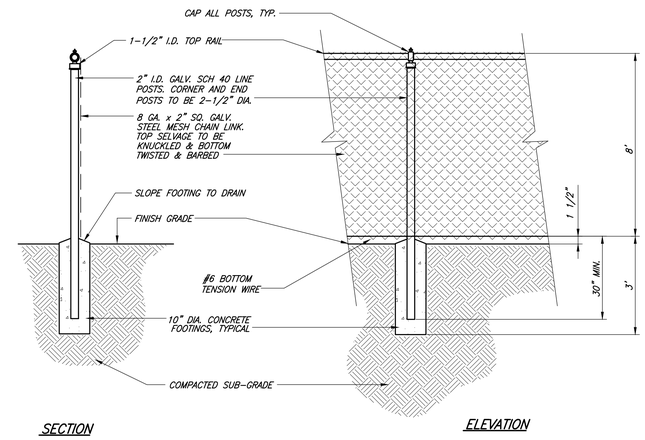
CHAIN LINK VEHICULAR ACCESS GATE (1)

NTS



8' FENCE POST FOOTING (4)

NTS



8 FT. HIGH CHAIN LINK FENCING (2)

NTS

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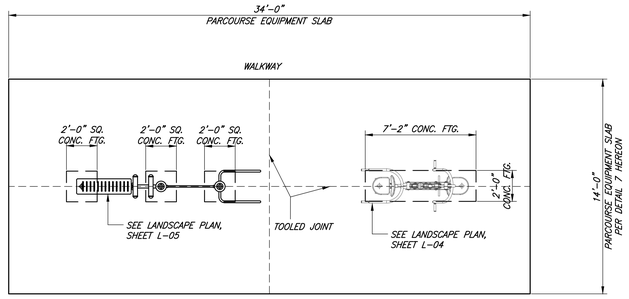
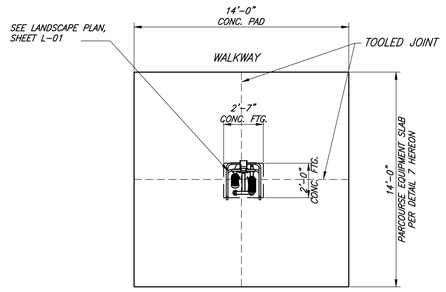


INSTALL FITNESS EQUIPMENT PER DETAIL 6 HEREON.
VERIFY ALL EQUIPMENT DIMENSIONS WITH MANUFACTURER.

PARCOURSE AREA #4 (4)

NTS



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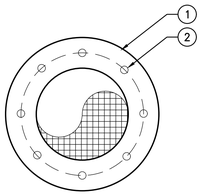
PARCOURSE AREA #1 (1)

NTS

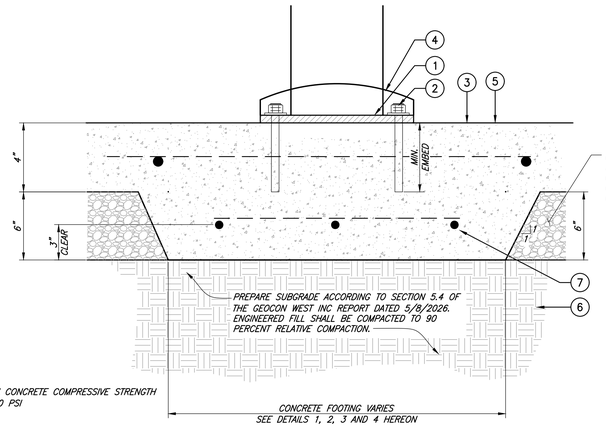
NOTE: INSTALL PER MANUFACTURER RECOMMENDATIONS AND ASTM USE ZONES REQUIREMENTS & SAFETY GUIDELINES.



PLAN

LEGEND

1. FITNESS EQUIPMENT BASE PLATE. SURFACE MOUNT PER MANUFACTURER RECOMMENDATIONS
2. 1/2" X 4-1/2" S.S. POST INSTALLED ANCHOR BOLT PER MANUFACTURER'S RECOMMENDATIONS. CONTRACTOR TO OBTAIN BOLTS FROM MANUFACTURER.
3. CONCRETE PAD. SIZE SHOWN ON PLAN.
4. BASE PLATE COVER PER MANUFACTURER.
5. FINISH SURFACE OF CONCRETE PAD.
6. 90% COMPACTED SUBGRADE.
7. REINFORCEMENT.

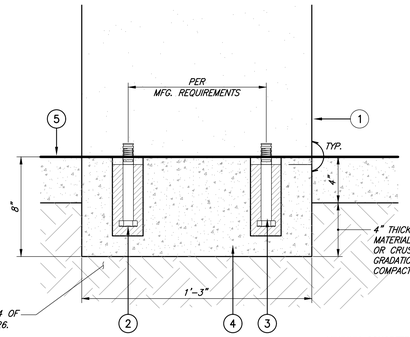


MINIMUM CONCRETE COMPRESSIVE STRENGTH
f'c=3000 PSI

SECTION

PARCOURSE EQUIPMENT ANCHORING (6)

NTS



PREPARE SUBGRADE ACCORDING TO SECTION 5.4 OF THE GEOCON WEST INC REPORT DATED 5/8/2026. ENGINEERED FILL SHALL BE COMPACTED TO 90 PERCENT RELATIVE COMPACTION.

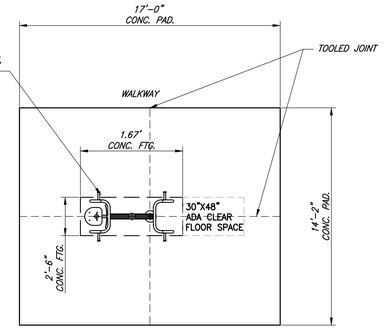
LEGEND

1. BENCH LEG.
2. 2" DIA X 5" DEEP GROUT POCKET.
3. 1/2" DIA X 4 1/2" L. S.S. POST-INSTALLED BOLTS. INSTALL PER MANUFACTURERS RECOMMENDATIONS.
4. CONCRETE FOOTING.
5. CONCRETE PAD PER DETAIL 7 HEREON.

MINIMUM CONCRETE COMPRESSIVE STRENGTH
f'c=3000 PSI

PARK BENCH FOOTING (5)

NTS



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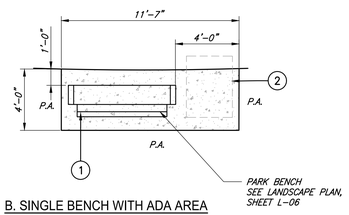
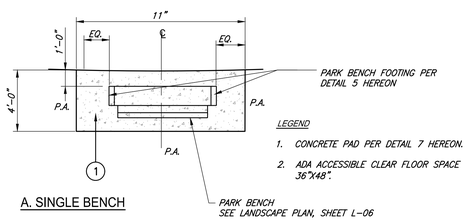
PARCOURSE AREA #2 (2)

NTS



B. SINGLE BENCH WITH ADA AREA



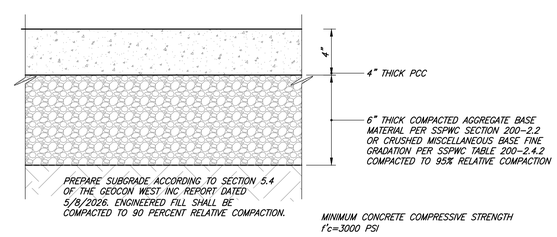
LEGEND

1. CONCRETE PAD PER DETAIL 7 HEREON.
2. ADA ACCESSIBLE CLEAR FLOOR SPACE 36"X48".

A. SINGLE BENCH

PARK BENCH PLAN (8)

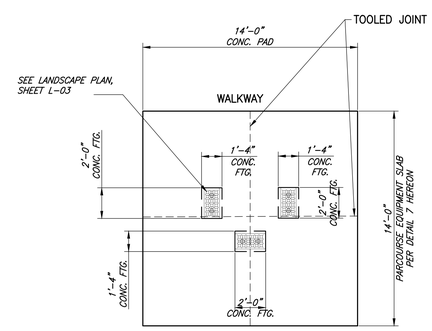
NTS



MINIMUM CONCRETE COMPRESSIVE STRENGTH
f'c=3000 PSI

PARCOURSE EQUIPMENT SLAB (7)

NTS



PLAN

INSTALL FITNESS EQUIPMENT PER DETAIL 6 HEREON.
VERIFY ALL EQUIPMENT DIMENSIONS WITH MANUFACTURER.

PARCOURSE AREA #3 (3)

NTS

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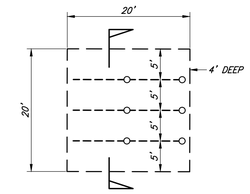
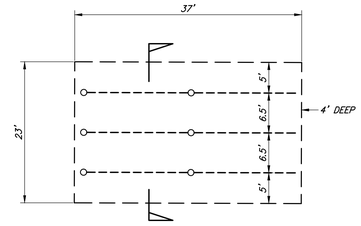
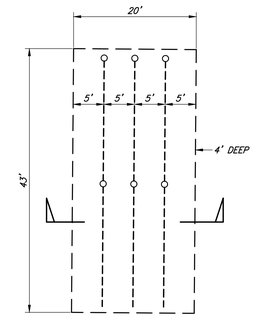


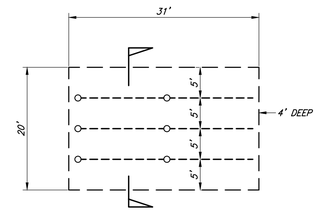
SYSTEM 1 PLAN VIEW



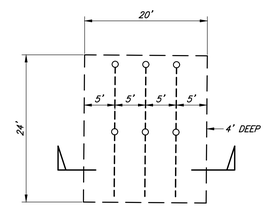
SYSTEM 2 PLAN VIEW



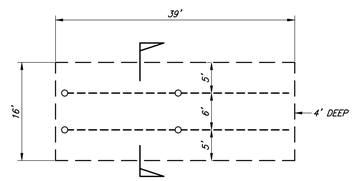
SYSTEM 3 PLAN VIEW



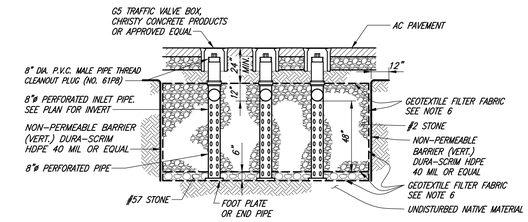
SYSTEM 4 PLAN VIEW



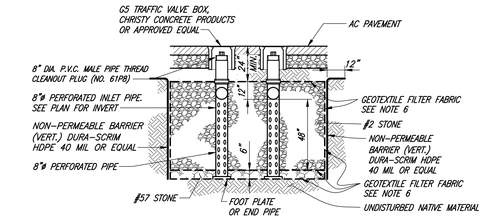
SYSTEM 6 PLAN VIEW



SYSTEM 5 PLAN VIEW



SYSTEMS 1, 2, 3, 4 & 6 SECTION



SYSTEM 5 SECTION

NO DUMPING
THIS DRAINS TO OCEAN

GRADATION TABLE			
SIEVE SIZE	NO. 2	NO. 57	NO. 8
3"	100		
2 1/2"	90 TO 100		
2"	35 TO 70		
1 1/2"	0 TO 15	100	
3/4"	--	95 TO 100	
1/2"	0 TO 5		100
3/8"		25 TO 60	85 TO 100
NO. 4			10 TO 30
NO. 8		0 TO 10	0 TO 10
NO 16		0 TO 5	0 TO 5

NOTES:

1. PROTECT BASE LAYERS FROM SEDIMENT AT ALL TIMES DURING CONSTRUCTION.
2. KEEP HEAVY EQUIPMENT AWAY FROM EXCAVATED SUBGRADE PRIOR TO PLACING STONE.
3. SPREAD NO. 2 STONE IN 6" MINIMUM LIFTS. THE NO. 57 STONE CAN BE PLACED IN ONE LIFT.
4. COMPACT INDIVIDUAL LAYERS OF STONE WITH AT LEAST 4 PASSES OF A MINIMUM 10 TON STEEL DRUM ROLLER. THE FIRST 2 PASSES CAN BE MADE IN VIBRATORY MODE AND REMAINING PASSES SHALL BE MADE IN STATIC MODE. STONE SURFACES SHALL BE MOISTENED PRIOR TO COMPACTING.
   TRACKED EQUIPMENT IS RECOMMENDED.
5. EQUIPMENT AND VEHICLES SHALL BE KEPT OFF OF THE COMPACTED MATERIAL SURFACE. IF THE MATERIAL SURFACE IS DISTURBED, IT SHALL BE RE-LEVELED AND RE-COMPACTED.
6. GEOTEXTILE FILTER FABRIC: MIRAFI OR APPROVED EQUAL. ROLL FORM, NON-WOVEN, PERVIOUS BLANKET OR CLOTH OF GLASS FIBER OR POLYESTER, RESISTANT TO ULTRAVIOLET AND HEAT DETERIORATION; WILL NOT SUPPORT MARINE OR BIOLOGICAL GROWTH.

INFILTRATION TRENCH (1)

NTS

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CHECKED BLH

SHEET NO.
C406

Street Sweeping and Vacuuming SE-7

Objectives	
EC Erosion Control	
SE Sediment Control	☒
TR Tracking Control	☑
WE Wind Erosion Control	
NS Non-Stormwater Management Control	
WM Waste Management and Materials Pollution Control	

Legend:
☑ Primary Objective
☒ Secondary Objective

Targeted Constituents	
Sediment	☑
Nutrients	
Trash	☑
Metals	
Bacteria	
Oil and Grease	☑
Organics	

Potential Alternatives
None

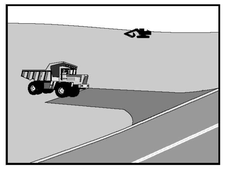
Description and Purpose
Street sweeping and vacuuming includes use of self-propelled and walk-behind equipment to remove sediment from streets and roadways, and to clean paved surfaces in preparation for final paving. Sweeping and vacuuming prevents sediment from the project site from entering storm drains or receiving waters.

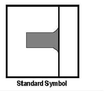
Suitable Applications
Sweeping and vacuuming are suitable anywhere sediment is tracked from the project site onto public or private paved streets and roads, typically at points of egress. Sweeping and vacuuming are also applicable during preparation of paved surfaces for final paving.

Limitations
Sweeping and vacuuming may not be effective when sediment is wet or when tracked soil is caked (caked soil may need to be scraped loose).

Implementation
- Controlling the number of points where vehicles can leave the site will allow sweeping and vacuuming efforts to be focused, and perhaps save money.
- Inspect potential sediment tracking locations daily.
- Visible sediment tracking should be swept or vacuumed on a daily basis.

Stabilized Construction Entrance/Exit TC-1





Standard Symbol

BMP Objectives
- ■ Soil Stabilization
- □ Sediment Control
- ■ Tracking Control
- ■ Wind Erosion Control
- □ Non-Storm Water Management
- □ Materials and Waste Management

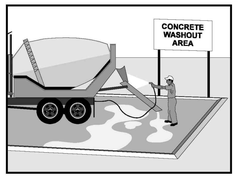
Definition and Purpose: A stabilized construction access is defined by a point of entrance/exit to a construction site that is stabilized to reduce the tracking of mud and dirt onto public roads by construction vehicles.

Appropriate Applications
- Use at construction sites:
  - Where dirt or mud can be tracked onto public roads.
  - Adjacent to water bodies.
  - Where poor soils are encountered.
  - Where dust is a problem during dry weather conditions.
- This BMP may be implemented on a project-by-project basis in addition to other BMPs when determined necessary and feasible by the Resident Engineer (RE).

Limitations
- Site conditions will dictate design and need.

Standards and Specifications
- Limit the points of entrance/exit to the construction site.
- Limit speed of vehicles to control dust.
- Properly grade each construction entrance/exit to prevent runoff from leaving the construction site.
- Route runoff from stabilized entrances/exits through a sediment-trapping device before discharge.
- Design stabilized entrance/exit to support the heaviest vehicles and equipment that will use it.

Concrete Waste Management WM-8



Objectives	
EC Erosion Control	
SE Sediment Control	
TC Tracking Control	
WE Wind Erosion Control	
NS Non-Stormwater Management Control	
WM Waste Management and Materials Pollution Control	☑

Legend:
☑ Primary Objective
☒ Secondary Objective

Targeted Constituents	
Sediment	☑
Nutrients	
Trash	
Metals	☑
Bacteria	
Oil and Grease	
Organics	

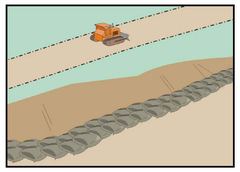
Potential Alternatives
None

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

Suitable Applications
Concrete waste management procedures and practices are implemented on construction projects where:
- Concrete is used as a construction material or where concrete dust and debris result form demolition activities
- Slurries containing portland cement concrete (PCC) or asphalt concrete (AC) are generated, such as from saw cutting, coring, grinding, grooving, and hydro-concrete demolition
- Concrete trucks and other concrete-coated equipment are washed onsite
- Mortar-mixing stations exist
- See also NS-8, Vehicle and Equipment Cleaning

Limitations
- Offsite washout of concrete wastes may not always be possible.

Sandbag Barrier SE-8



Objectives	
EC Erosion Control	☒
SE Sediment Control	☑
TR Tracking Control	
WE Wind Erosion Control	
NS Non-Stormwater Management Control	
WM Waste Management and Materials Pollution Control	

Legend:
☑ Primary Objective
☒ Secondary Objective

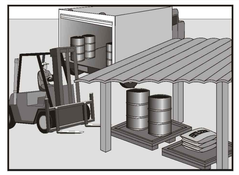
Targeted Constituents	
Sediment	☑
Nutrients	
Trash	
Metals	
Bacteria	
Oil and Grease	
Organics	

Potential Alternatives
SE-1 Silt Fence
SE-5 Fiber Rolls
SE-6 Gravel Bag Berm
SE-9 Straw Bale Barrier

Description and Purpose
A sandbag barrier is a series of sand-filled bags placed on a level contour to intercept sheet flows. Sandbag barriers pond sheet flow runoff, allowing sediment to settle out.

Suitable Applications
Sandbag barriers may be suitable:
- As a linear sediment control measure:
  - Below the toe of slopes and erodible slopes
  - As sediment traps at culvert/pipe outlets
  - Below other small cleared areas
  - Along the perimeter of a site
  - Down slope of exposed soil areas
  - Around temporary stockpiles and spoil areas
  - Parallel to a roadway to keep sediment off paved areas
  - Along streams and channels
- As linear erosion control measure:
  - Along the face and at grade breaks of exposed and erodible slopes to shorten slope length and spread runoff as sheet flow

Material Delivery and Storage WM-1



Objectives	
EC Erosion Control	
SE Sediment Control	
TC Tracking Control	
WE Wind Erosion Control	
NS Non-Stormwater Management Control	
WM Waste Management and Materials Pollution Control	☑

Legend:
☑ Primary Objective
☒ Secondary Objective

Targeted Constituents	
Sediment	☑
Nutrients	☑
Trash	☑
Metals	☑
Bacteria	
Oil and Grease	☑
Organics	☑

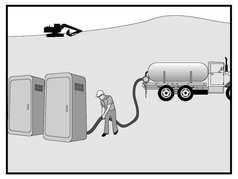
Potential Alternatives
None

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

This best management practice covers only material delivery and storage. For other information on materials, see WM-2, Material Use, or WM-4, Spill Prevention and Control. For information on wastes, see the waste management BMPs in this section.

Suitable Applications
These procedures are suitable for use at all construction sites with delivery and storage of the following materials:
- Soil stabilizers and binders
- Pesticides and herbicides
- Fertilizers
- Detergents
- Plaster
- Petroleum products such as fuel, oil, and grease
- Asphalt and concrete components

Sanitary/Septic Waste Management WM-9



Objectives	
EC Erosion Control	
SE Sediment Control	
TC Tracking Control	
WE Wind Erosion Control	
NS Non-Stormwater Management Control	
WM Waste Management and Materials Pollution Control	☑

Legend:
☑ Primary Objective
☒ Secondary Objective

Targeted Constituents	
Sediment	
Nutrients	☑
Trash	☑
Metals	
Bacteria	☑
Oil and Grease	
Organics	☑

Potential Alternatives
None

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

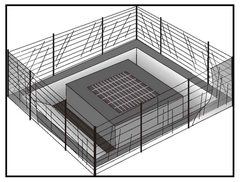
Suitable Applications
Sanitary septic waste management practices are suitable for use at all construction sites that use temporary or portable sanitary and septic waste systems.

Limitations
None identified.

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

Storage and Disposal Procedures
- Temporary sanitary facilities should be located away from drainage facilities, watercourses, and from traffic circulation. When subjected to high winds or risk of high winds, temporary sanitary facilities should be secured to prevent overturning.
- Wastewater should not be discharged or buried within the project site.

Storm Drain Inlet Protection SE-10



Objectives	
EC Erosion Control	
SE Sediment Control	☒
TR Tracking Control	
WE Wind Erosion Control	
NS Non-Stormwater Management Control	
WM Waste Management and Materials Pollution Control	

Legend:
☑ Primary Objective
☒ Secondary Objective

Targeted Constituents	
Sediment	☑
Nutrients	
Trash	☑
Metals	
Bacteria	
Oil and Grease	
Organics	

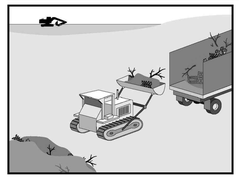
Potential Alternatives
SE-1 Silt Fence
SE-5 Fiber Rolls
SE-6 Gravel Bag Berm
SE-8 Sandbag Barrier
SE-9 Straw Bale Barrier

Description and Purpose
Storm drain inlet protection consists of a sediment filter or an impounding area around or upstream of a storm drain, drop inlet, or curb inlet. Storm drain inlet protection measures temporarily pond runoff before it enters the storm drain, allowing sediment to settle. Some filter configurations also remove sediment by filtering, but usually the ponding action results in the greatest sediment reduction.

Suitable Applications
Every storm drain inlet receiving sediment-laden runoff should be protected.

Limitations
- Drainage area should not exceed 1 acre.
- Straw bales, while potentially effective, have not produced in practice satisfactory results, primarily due to improper installation.
- Requires an adequate area for water to pond without encroaching into portions of the roadway subject to traffic.
- Inlet protection usually requires other methods of temporary protection to prevent sediment-laden stormwater and non-stormwater discharges from entering the storm drain system.
- Sediment removal may be difficult in high flow conditions or if runoff is heavily sediment laden. If high flow conditions are

Solid Waste Management WM-5



Objectives	
EC Erosion Control	
SE Sediment Control	
TC Tracking Control	
WE Wind Erosion Control	
NS Non-Stormwater Management Control	
WM Waste Management and Materials Pollution Control	☑

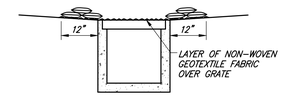
Legend:
☑ Primary Objective
☒ Secondary Objective

Targeted Constituents	
Sediment	☑
Nutrients	☑
Trash	☑
Metals	☑
Bacteria	
Oil and Grease	☑
Organics	☑

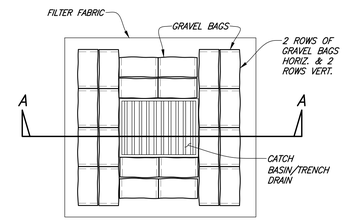
Potential Alternatives
None

Description and Purpose
Solid waste management procedures and practices are designed to prevent or reduce the discharge of pollutants to stormwater from solid or construction waste by providing designated waste collection areas and containers, arranging for regular disposal, and training employees and subcontractors.

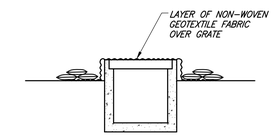
Suitable Applications
This BMP is suitable for construction sites where the following wastes are generated or stored:
- Solid waste generated from trees and shrubs removed during land clearing, demolition of existing structures (rubble), and building construction
- Packaging materials including wood, paper, and plastic
- Scrap or surplus building materials including scrap metals, rubber, plastic, glass pieces and masonry products
- Domestic wastes including food containers such as beverage cans, coffee cups, paper bags, plastic wrappers, and cigarettes
- Construction wastes including brick, mortar, timber, steel and metal scraps, pipe and electrical cuttings, non-hazardous equipment parts, styrofoam and other materials used to transport and package construction materials



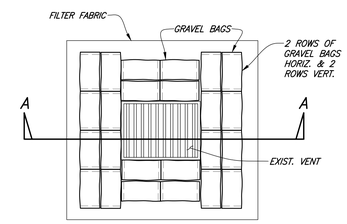
SECTION A–A



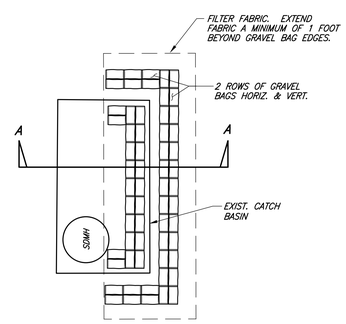
STORM DRAIN INLET PROTECTION TYPE 1 (1)
NTS



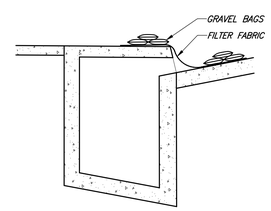
SECTION A–A



EXIST. VENT PROTECTION (2)
NTS



PLAN



SECTION A–A

STORM DRAIN INLET PROTECTION TYPE 2 (3)
NTS

EROSION AND SEDIMENT CONTROL GENERAL NOTES

1. IN CASE OF EMERGENCY, CALL _____ AT _____.
   PLEASE FILL IN NAME AND NUMBER
2. TOTAL DISTURBED AREA 12.441 WDID 4 19C412447.
   RISK LEVEL (1) 2 3
   (CIRCLE ONE AS DETERMINED BY STATE GENERAL PERMIT FOR SITES GREATER THAN 1 ACRE)
3. A STAND-BY CREW FOR EMERGENCY WORK SHALL BE AVAILABLE AT ALL TIMES DURING THE RAINY SEASON (OCTOBER 15 TO APRIL 15). NECESSARY MATERIALS SHALL BE AVAILABLE ON-SITE AND STOCKPILED AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF EMERGENCY DEVICES WHEN RAIN IS IMMINENT.
4. EROSION CONTROL DEVICES SHOWN ON THIS PLAN MAY BE REMOVED WHEN APPROVED BY THE BUILDING OFFICIAL IF THE GRADING OPERATION HAS PROGRESSED TO THE POINT WHERE THEY ARE NO LONGER REQUIRED.
5. GRADED AREAS ADJACENT TO FILL SLOPES LOCATED AT THE SITE PERIMETER MUST DRAIN AWAY FROM THE TOP OF SLOPE AT THE CONCLUSION OF EACH WORKING DAY. ALL LOOSE SOILS AND DEBRIS THAT MAY CREATE A POTENTIAL HAZARD TO OFF-SITE PROPERTY SHALL BE STABILIZED OR REMOVED FROM THE SITE ON A DAILY BASIS.
6. ALL SILT AND DEBRIS SHALL BE REMOVED FROM ALL DEVICES WITHIN 24 HOURS AFTER EACH RAINSTORM AND BE DISPOSED OF PROPERLY.
7. A GUARD SHALL BE POSTED ON THE SITE WHENEVER THE DEPTH OF WATER IN ANY DEVICE EXCEEDS TWO FEET. THE DEVICE SHALL BE DRAINED OR PUMPED DRY WITHIN 24 HOURS AFTER EACH RAINSTORM. PUMPING AND DRAINING OF ALL BASINS AND DRAINAGE DEVICES MUST COMPLY WITH THE APPROPRIATE BMP FOR DEWATERING OPERATIONS.
8. THE PLACEMENT OF ADDITIONAL DEVICES TO REDUCE EROSION DAMAGE AND CONTAIN POLLUTANTS WITHIN THE SITE IS LEFT TO THE DISCRETION OF THE FIELD ENGINEER. ADDITIONAL DEVICES AS NEEDED SHALL BE INSTALLED TO RETAIN SEDIMENTS AND OTHER POLLUTANTS ON SITE.
9. DESILTING BASINS MAY NOT BE REMOVED OR MADE INOPERABLE BETWEEN NOVEMBER 1 AND APRIL 15 OF THE FOLLOWING YEAR WITHOUT THE APPROVAL OF THE BUILDING OFFICIAL.
10. STORM WATER POLLUTION AND EROSION CONTROL DEVICES ARE TO BE MODIFIED, AS NEEDED, AS THE PROJECT PROGRESSES, THE DESIGN AND PLACEMENT OF THESE DEVICES IS THE RESPONSIBILITY OF THE FIELD ENGINEER. PLANS REPRESENTING CHANGES MUST BE SUBMITTED FOR APPROVAL IF REQUESTED BY THE BUILDING OFFICIAL.
11. EVERY EFFORT SHOULD BE MADE TO ELIMINATE THE DISCHARGE OF NON-STORM WATER FROM THE PROJECT SITES AT ALL TIMES.
12. ERODED SEDIMENTS AND OTHER POLLUTANTS MUST BE RETAINED ON-SITE AND MAY NOT BE TRANSPORTED FROM THE SITE VIA SHEET FLOW, SWALES, AREA DRAINS, NATURAL DRAINAGE COURSES, OR WIND.
13. STOCKPILES OF EARTH AND OTHER CONSTRUCTION-RELATED MATERIALS MUST BE PROTECTED FROM BEING TRANSPORTED FROM THE SITE BY THE FORCES OF WIND OR WATER.
14. FUELS, OILS, SOLVENTS, AND OTHER TOXIC MATERIALS MUST BE STORED IN ACCORDANCE WITH THEIR LISTING AND ARE NOT TO CONTAMINATE THE SOILS AND SURFACE WATERS. ALL APPROVED STORAGE CONTAINERS ARE TO BE PROTECTED FROM THE WEATHER. SPILLS MUST BE CLEANED UP IMMEDIATELY AND DISPOSED OF IN A PROPER MANNER. SPILLS MAY NOT BE WASHED INTO THE DRAINAGE SYSTEM.
15. EXCESS OR WASTE CONCRETE MAY NOT BE WASHED INTO THE PUBLIC WAY OR ANY OTHER DRAINAGE SYSTEM. PROVISIONS SHALL BE MADE TO RETAIN CONCRETE WASTES ON-SITE UNTIL THEY CAN BE DISPOSED OF AS SOLID WASTE.
16. DEVELOPERS/CONTRACTORS ARE RESPONSIBLE TO INSPECT ALL EROSION CONTROL DEVICES AND BMPS ARE INSTALLED AND FUNCTIONING PROPERLY IF THERE IS A 50% OR GREATER PROBABILITY OF PREDICTED PRECIPITATION, AND AFTER ACTUAL PRECIPITATION. A CONSTRUCTION SITE INSPECTION CHECKLIST AND INSPECTION LOG SHALL BE MAINTAINED AT THE PROJECT SITE AT ALL TIMES AND AVAILABLE FOR REVIEW BY THE BUILDING OFFICIAL (COPIES OF THE SELF-INSPECTION CHECK LIST AND INSPECTION LOGS ARE AVAILABLE UPON REQUEST).
17. TRASH AND CONSTRUCTION-RELATED SOLID WASTES MUST BE DEPOSITED INTO A COVERED RECEPTACLE TO PREVENT CONTAMINATION OF RAINWATER AND DISPERSAL BY WIND.
18. SEDIMENTS AND OTHER MATERIALS MAY NOT BE TRACKED FROM THE SITE BY VEHICLE TRAFFIC. THE CONSTRUCTION ENTRANCE ROADWAYS MUST BE STABILIZED SO AS TO INHIBIT SEDIMENTS FROM BEING DEPOSITED INTO THE PUBLIC WAY. ACCIDENTAL DEPOSITIONS MUST BE SWEPT UP IMMEDIATELY AND MAY NOT BE WASHED DOWN BY RAIN OR OTHER MEANS.
19. ANY SLOPES WITH DISTURBED SOILS OR DENUDED OF VEGETATION MUST BE STABILIZED SO AS TO INHIBIT EROSION BY WIND AND WATER.
20. AS THE ENGINEER/QSD OF RECORD, I HAVE SELECTED APPROPRIATE BMPS TO EFFECTIVELY MINIMIZE THE NEGATIVE IMPACTS OF THIS PROJECT'S CONSTRUCTION ACTIVITIES ON STORM WATER QUALITY. THE PROJECT OWNER AND CONTRACTOR ARE AWARE THAT THE SELECTED BMPS MUST BE INSTALLED, MONITORED, AND MAINTAINED TO ENSURE THEIR EFFECTIVENESS.

   _____ 6/9/2026
   CIVIL ENGINEER/QSD SIGNATURE DATE
21. THE FOLLOWING NOTES MUST BE ON THE PLAN:
    AS THE PROJECT OWNER OR AUTHORIZED AGENT OF THE OWNER, " I CERTIFY THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH THE SYSTEM DESIGNED TO ENSURE THAT A QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE INFORMATION SUBMITTED IS TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT SUBMITTING FALSE AND/ OR INACCURATE INFORMATION, FAILING TO UPDATE THE ESCP TO REFLECT CURRENT CONDITIONS, OR FAILING TO PROPERLY AND/OR ADEQUATELY IMPLEMENT THE ESCP MAY RESULT IN REVOCATION OF GRADING AND/OR OTHER PERMITS OR OTHER SANCTIONS PROVIDED BY LAW."

    _____ _____
    OWNER OR AUTHORIZED REPRESENTATIVE (PERMITTEE) DATE
22. DEVELOPERS/CONTRACTORS ARE RESPONSIBLE TO INSPECT ALL EROSION CONTROL DEVICES AND BMPS ARE INSTALLED AND FUNCTIONING PROPERLY AS REQUIRED BY THE STATE CONSTRUCTION GENERAL PERMIT. A CONSTRUCTION SITE INSPECTION CHECKLIST AND INSPECTION LOG SHALL BE MAINTAINED AT THE PROJECT SITE AT ALL TIMES AND AVAILABLE FOR REVIEW BY THE BUILDING OFFICIAL.
23. THE FOLLOWING BMPs FROM THE "CASQA CONSTRUCTION BMP ONLINE HANDBOOK" MUST BE IMPLEMENTED FOR ALL CONSTRUCTION ACTIVITIES AS APPLICABLE. AS AN ALTERNATIVE, DETAILS FROM "CALTRANS STORMWATER QUALITY HANDBOOKS: CONSTRUCTION SITE BEST MANAGEMENT PRACTICES (BMP) MANUAL MAY BE USED. ADDITIONAL MEASURES MAY BE REQUIRED IF DEEMED APPROPRIATE BY THE BUILDING OFFICIAL.

EROSION CONTROL

EC1 – SCHEDULING
EC2 – PRESERVATION OF EXISTING VEGETATION
EC3 – HYDRAULIC MULCH
EC4 – HYDROSEEDING
EC5 – SOIL BINDERS
EC6 – STRAW MULCH
EC7 – GEOTEXTILES & MATS
EC8 – WOOD MULCHING
EC9 – EARTH DIKES AND DRAINAGE SWALES
EC10 – VELOCITY DISSIPATION DEVICES
EC11 – SLOPE DRAINS
EC12 – STREAMBANK STABILIZATION
EC13 – RESERVED
EC14 – COMPOST BLANKETS
EC15 – SOIL PREPARATION/ROUGHENING
EC16 – NON-VEGETATED STABILIZATION

TEMPORARY SEDIMENT CONTROL

SE1 – SILT FENCE
SE2 – SEDIMENT BASIN
SE3 – SEDIMENT TRAP
SE4 – CHECK DAM
SE5 – FIBER ROLLS
SE6 – GRAVEL BAG BERM
SE7 – STREET SWEEPING AND VACUUMING
SE8 – SANDBAG BARRIER
SE9 – STRAW BALE BARRIER
SE10 – STORM DRAIN INLET PROTECTION
SE11 – ACTIVE TREATMENT SYSTEMS
SE12 – TEMPORARY SILT DIKE
SE13 – COMPOST SOCKS & BERMS
SE14 – BIOFILTER BAGS

WIND EROSION CONTROL

WE1 – WIND EROSION CONTROL

EQUIPMENT TRACKING CONTROL

TC1 – STABILIZED CONSTRUCTION ENTRANCE EXIT
TC2 – STABILIZED CONSTRUCTION ROADWAY
TC3 – ENTRANCE/OUTLET TIRE WASH

NON-STORMWATER MANAGEMENT

NS1 – WATER CONSERVATION PRACTICES
NS2 – DEWATERING OPERATIONS
NS3 – PAVING AND GRINDING OPERATIONS
NS4 – TEMPORARY STREAM CROSSING
NS5 – CLEAR WATER DIVERSION
NS6 – ILLICIT CONNECTION/DISCHARGE
NS7 – POTABLE WATER/IRRIGATION
NS8 – VEHICLE AND EQUIPMENT CLEANING
NS9 – VEHICLE AND EQUIPMENT FUELING
NS10 – VEHICLE AND EQUIPMENT MAINTENANCE
NS11 – PILE DRIVING OPERATIONS
NS12 – CONCRETE CURING
NS13 – CONCRETE FINISHING
NS14 – MATERIAL AND EQUIPMENT USE
NS15 – DEMOLITION ADJACENT TO WATER
NS16 – TEMPORARY BATCH PLANTS

WASTE MANAGEMENT & MATERIAL POLLUTION CONTROL

WM1 – MATERIAL DELIVERY AND STORAGE
WM2 – MATERIAL USE
WM3 – STOCKPILE MANAGEMENT
WM4 – SPILL PREVENTION AND CONTROL
WM5 – SOLID WASTE MANAGEMENT
WM6 – HAZARDOUS WASTE MANAGEMENT
WM7 – CONTAMINATION SOIL MANAGEMENT
WM8 – CONCRETE WASTE MANAGEMENT
WM9 – SANITARY/SEPTIC WASTE MANAGEMENT
WM10 – LIQUID WASTE MANAGEMENT

PAUL MURDOCH ARCHITECTS
6310 SAN VICENTE BLVD SUITE 400
LOS ANGELES, CALIFORNIA 90048
310 358-0993

THE DRAWINGS AND SPECIFICATIONS AND IDEAS, DESIGN, AND ARRANGEMENTS REPRESENTED THEREBY ARE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT, AND NO PART THEREOF SHALL BE COPIED, DISCLOSED TO OTHERS, OR USED IN CONNECTION WITH ANY WORK OR PROJECT THAN THE SPECIFIC PROJECT FOR WHICH THEY HAVE BEEN PREPARED AND DEVELOPED WITHOUT THE WRITTEN CONSENT OF THE ARCHITECT. VISUAL CONTACT WITH THESE DRAWINGS OR SPECIFICATIONS SHALL CONSTITUTE CONCLUSIVE EVIDENCE OF ACCEPTANCE OF THESE RESTRICTIONS. WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB AND THIS OFFICE MUST BE NOTIFIED OF ANY VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN BY THESE DRAWINGS. SHOP DETAILS MUST BE SUBMITTED TO THIS OFFICE FOR REVIEW BEFORE PROCEEDING WITH FABRICATION

REGISTERED PROFESSIONAL ENGINEER BARBARA L. HALL No. 42206 Exp. 03/31/28 CIVIL STATE OF CALIFORNIA

NO.	DATE	REVISION

MAGIC JOHNSON PARK MAKE READY & PARKING PROJECT

12416 AVALON BLVD.
LOS ANGELES, CA 90061

PMA PROJECT NO.: 21023.01

DRAWING TITLE: SWPPP NOTES

SCALE: AS SHOWN

DATE: 06/01/2026

DRAWN: VC CHECKED: BLH

SHEET NO.: C501

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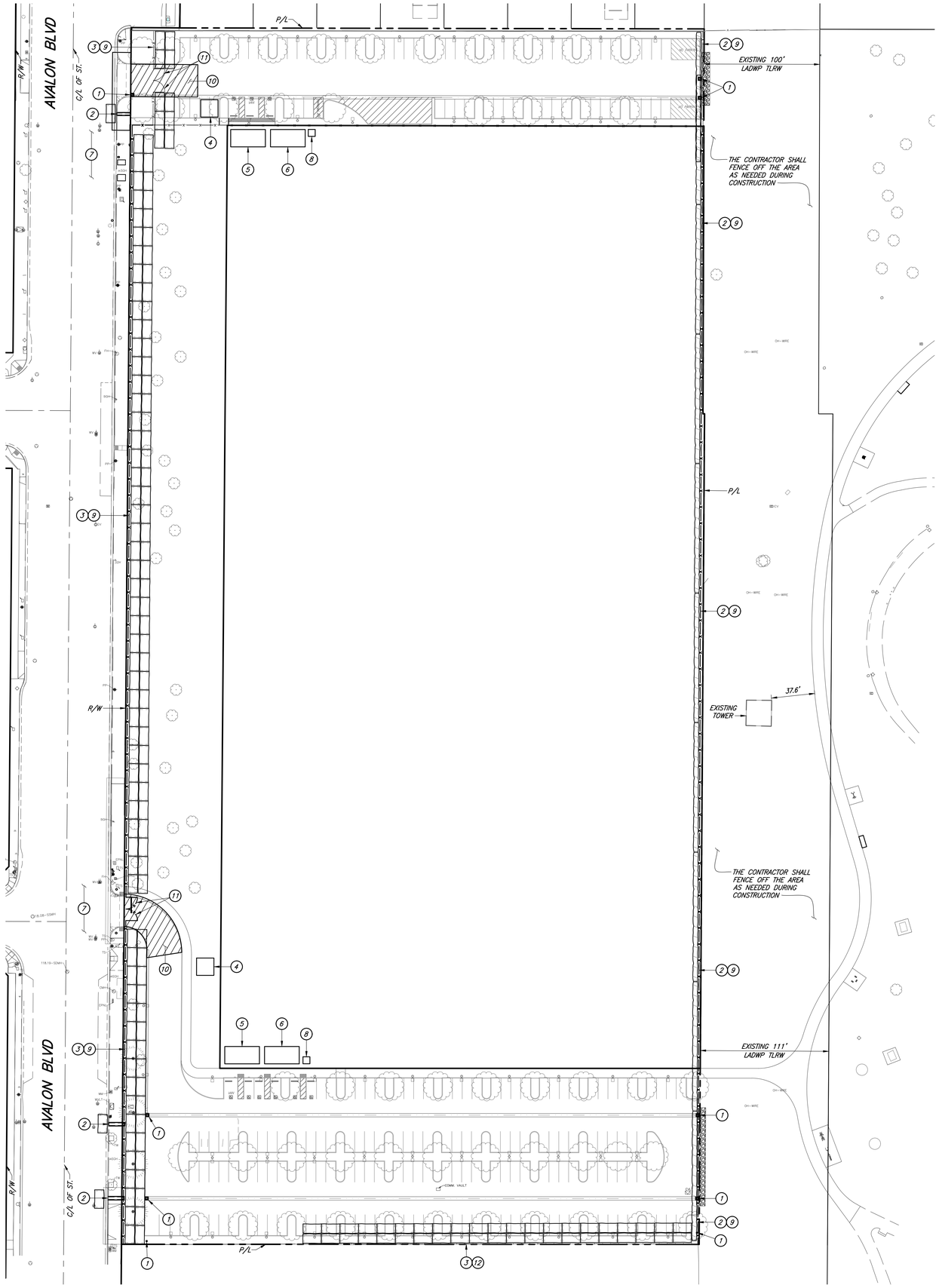

SWPPP CONSTRUCTION NOTES:

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

NOTE:

CONTRACTOR SHALL USE EXISTING FENCING WHENEVER POSSIBLE DURING CONSTRUCTION. SECTIONS OF EXISTING FENCING SHALL BE REPLACED IF REMOVED DURING CONSTRUCTION ACTIVITIES.

0' 40'

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PAUL MURDOCH ARCHITECTS
6310 SAN VICENTE BLVD SUITE 400
LOS ANGELES, CALIFORNIA 90048
310 358-0993

THE DRAWINGS AND SPECIFICATIONS AND IDEAS, DESIGN, AND ARRANGEMENTS REPRESENTED THEREBY ARE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT, AND NO PART THEREOF SHALL BE COPIED, DISCLOSED TO OTHERS, OR USED IN CONNECTION WITH ANY WORK OR PROJECT THAN THE SPECIFIC PROJECT FOR WHICH THEY HAVE BEEN PREPARED AND DEVELOPED WITHOUT THE WRITTEN CONSENT OF THE ARCHITECT. VISUAL CONTACT WITH THESE DRAWINGS OR SPECIFICATIONS SHALL CONSTITUTE CONCLUSIVE EVIDENCE OF ACCEPTANCE OF THESE RESTRICTIONS. WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB AND THIS OFFICE MUST BE NOTIFIED OF ANY VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN BY THESE DRAWINGS. SHOP DETAILS MUST BE SUBMITTED TO THIS OFFICE FOR REVIEW BEFORE PROCEEDING WITH FABRICATION

REGISTERED PROFESSIONAL ENGINEER
BARBARA L. HALL
No. 42206
Exp. 03/31/28
CIVIL
STATE OF CALIFORNIA

Public Works
LOS ANGELES COUNTY

COUNTY OF LOS ANGELES
CALIFORNIA

NO.	DATE	REVISION

MAGIC JOHNSON PARK
MAKE READY &
PARKING PROJECT

12416 AVALON BLVD.
LOS ANGELES, CA 90061

PMA PROJECT NO.
21023.01

DRAWING TITLE
SWPPP/EROSION CONTROL PLAN

SCALE
AS SHOWN

DATE
06/01/2026

DRAWN VC
CHECKED BLH

SHEET NO.
C502

GENERAL NOTES

1. CONSULT WITH THE OWNER AUTHORIZED REPRESENTATIVE (OAR) PRIOR STARTING WORK.
2. THE CONTRACTOR SHALL USE SUFFICIENT BARRICADES AND TEMPORARY PROTECTION DEVICES TO PREVENT PEDESTRIANS OR NON-AUTHORIZED PERSONNEL ACCESS TO ANY OPEN TRENCHES OR CONSTRUCTION ACTIVITY. THE CONTRACTOR SHALL ERECT A SAFETY BARRICADE AT ALL OPEN TRENCHES, DITCHES, PITS, SUMPS, ETC FOR THE PROTECTION AND SAFETY OF THE PUBLIC. ALL TRENCHES OUTSIDE OF THE BARRICADE LIMITS SHALL BE BACKFILLED AND PAVED NOT LATER THAN 72 HOURS AFTER BEING OPENED. DURING THE TIME THE TRENCHES ARE OPEN IN TRAFFIC AREAS, THE CONTRACTOR SHALL PROVIDE TRAFFIC PLATES. SAFETY BARRICADES SHALL BE PANELIZED CHAIN LINK FENCE. EACH FENCE PANEL SHALL BE 6FT TALL X 10FT WIDE WITH STAND AND TIED TOGETHER END TO END WITH A MINIMUM 8-GAUGE WIRE. NO TRENCHES SHALL BE LOCATED OUTSIDE BARRICADES.
3. THE REPRESENTATION OF PHYSICAL PLACEMENT OF EXISTING UNDERGROUND CONDUITS HAS BEEN DEVELOPED FROM THE BEST INFORMATION AVAILABLE TO THE OWNER AT THE TIME THE DRAWINGS WERE PREPARED. THE OWNER PROVIDES THIS ONLY AS A GENERAL GUIDELINE FOR THE CONVENIENCE OF BIDDERS/CONTRACTORS AND DOES NOT PROVIDE A GUARANTEE OR WARRANTY IN NY WAY EXPRESS OR IMPLIED, AS TO THE ACCURACY OF THESE REPRESENTATIONS. NOTHING IN THIS DISCLAIMER AFFECTS IN ANY WAY THE DUTY OF THE CONTRACTOR TO FURNISH ACCURATE "AS BUILT" DRAWINGS AFTER THE COMPLETION OF THE CONTRACT. ALL FEEDERS AND BRANCH CIRCUITS SHALL CARRY A GROUND WIRE, SIZED AS PER N.E.C. ARTICLE 250.
4. ALL FEEDERS AND BRANCH CIRCUITS SHALL CARRY A GROUND WIRE, SIZED AS PER N.E.C. ARTICLE 250.
5. REFER TO THE PLANS FOR ADDITIONAL REQUIREMENTS AND EQUIPMENT AND MATERIAL APPROVED FOR USE UNDER THIS CONTRACT.
6. PRIOR TO PULLING ANY CONDUCTORS, CLEAN AND MANDREL ALL CONDUITS.
7. CONTRACTOR SHALL INSTALL EQUIPMENT PER ADA (AMERICAN DISABILITIES ACT) REQUIREMENTS.
8. EXTERIOR EQUIPMENT, JUNCTION BOXES, ENCLOSURES AND CONNECTIONS SHALL BE WEATHERPROOF TYPE SUITABLE FOR EXTERIOR INSTALLATION.(MALLEABLE IRON FITTINGS).
9. IN THE EVENT THAT CERTAIN FEATURES OF THE CONSTRUCTION ARE NOT FULLY SHOWN ON THE CONSTRUCTION DOCUMENTS, THE FEATURES SHALL BE OF THE SAME CHARACTER AS SIMILAR CONDITIONS THAT ARE SHOWN.
10. ALL DIMENSIONS, ELEVATIONS AND EXISTING CONDUITS SHALL BE ON THE SITE BY GENERAL CONTRACTOR, AND EACH SUB-CONTRACTOR BEFORE THE WORK BEGINS. ALL DISCREPANCIES SHALL BE BROUGHT TO THE OAR'S ATTENTION BEFORE CONSTRUCTION BEGINS.
11. THE ENGINEER HAS PREPARED THESE DOCUMENTS ONLY FOR IMPROVEMENTS SPECIFIED, DETAILED OR SHOWN AS NEW WORK, AND ASSUMES NO RESPONSIBILITY FOR OTHER CONSTRUCTION, MATERIAL OR EQUIPMENT NOTED AS "PROVIDED BY OTHERS".
12. ALL JUNCTION BOX COVER PLATES FOR BRANCH CIRCUIT SYSTEM SHALL BE CLEARLY MARKED WITH PERMANENT INK FELT PEN IDENTIFYING THE BRANCH CIRCUIT (BOTH PANEL NUMBER AND CIRCUIT NUMBER) CONTAINED IN THE BOX.
13. THE CONTRACTOR SHALL MAINTAIN THE UNIFORMITY AND CONTINUITY OF THE GROUNDING SYSTEM IN ALL CONDUITS/ RACEWAYS.
14. TEST THE ENTIRE SYSTEM TO DEMONSTRATE TO THE OAR THAT THE ELECTRICAL COMPONENTS AND SPECIAL SYSTEMS ARE COMPLETE AND FUNCTION PROPERLY. MAKE NECESSARY CORRECTIONS AND LEAVE SYSTEMS READY FOR OPERATION.
15. DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC AND THE SIZE AND LOCATION OF EQUIPMENT IS INDICATED TO SCALE WHENEVER POSSIBLE. COORDINATE LOCATION AND LAYOUT WITH OTHER WORK. CONTRACTOR SHALL PROVIDE TO THE ENGINEER A 1/4"= 1'-0" OF SCALED DRAWING OF ELECTRICAL EQUIPMENT ROOMS SHOWING LOCATION AND CLEARANCES OF SUBMITTED EQUIPMENT FOR REVIEW AND APPROVAL PRIOR TO ORDERING OF ELECTRICAL EQUIPMENT.
16. PROVIDE HANGERS, SUPPORTS, SEISMIC RESTRAINTS AND/ OR BRACING FOR ALL EQUIPMENT, CONDUIT, AND LIGHTING FIXTURES TO SUSTAIN VERTICAL LOADS AND RESIST HORIZONTAL FORCES IN ANY DIRECTION TO COMPLY WITH 2016 EDITION OF TITLE 24, PART 2, CALIFORNIA BUILDING CODE, CHAPTER 16, TABLE 16A AND ASSOCIATED NOTES.
17. PER CEC 300-21, "OPENINGS AROUND ELECTRICAL PENETRATIONS THROUGH FIRE-RESISTANT-RATED WALLS, PARTITIONS, FLOORS, CEILINGS SHALL BE FIRESTOPPED USING APPROVED METHODS TO MAINTAIN THE FIRE RESISTANCE RATING."
18. ALL CONDUCTORS FOR FEEDERS AND BRANCH CIRCUITS SHALL BE COPPER U.O.N., TYPE THWN/THHN, RATED FOR 75°C. SIZES #12 AWG MAY BE SOLID OR STRANDED, #10 AND LARGER SHALL BE STRANDED. PROVIDE 75°C RATED AND APPROVED TERMINATION FOR ALL CONDUCTORS.
19. ALL ELECTRICAL WORK SHALL BE PER THE APPLICABLE CEC CODE. CONTRACTOR SHALL INCLUDE IN HIS BID ALL REQUIRED LABOR, MATERIAL, EXPERTISE AND QUALIFIED PERSONNEL TO COMPLETELY INSTALL IN A CODE COMPLIANT MANNER, ALL WORK SHOWN ON THE PLANS.
20. WHEN THERE ARE DISCREPANCIES BETWEEN CONTRACT DOCUMENTS (DRAWINGS), OBTAIN CLARIFICATION FROM THE ENGINEER PRIOR TO BID. FOR BIDDING PURPOSES THE MORE STRINGENT OR MORE EXPENSIVE REQUIREMENT(S) SHALL APPLY. DAILY RECORD OF ALL DEVIATIONS FROM THE BID DRAWINGS.
21. ALL DIMENSIONS AND OTHER INFORMATION NECESSARY TO COMPLETELY EXPLAIN AND LOCATE ALL ELEMENTS OF THESE DEVIATIONS SHALL BE RECORDED. UPON COMPLETION OF WORK, THE CONTRACTOR SHALL SUBMIT TO THE OWNER, ONE COMPLETE SET OF REPRODUCIBLE DRAWINGS CORRECTED TO REFLECT "AS-BUILT" CONDITIONS OF THE WORK.
22. ANY SUBMITTALS FOR EQUIPMENT DIFFERENT FROM THE SPECIFIED ITEMS SHOWN ON THE PLANS SHALL BE ACCOMPANIED BY CUT SHEETS FOR THE ORIGINAL SPECIFIED ITEM(S). SUBMITTALS WITHOUT THE SPECIFIED CUT SHEETS WILL BE REJECTED AS INCOMPLETE. "PROVIDE" SHALL BE DEFINED AS: FURNISH AND INSTALL.
23. ALL DIMENSIONS AND ELEVATIONS SHALL BE CHECKED AND VERIFIED ON THE SITE BY THE GENERAL CONTRACTOR AND EACH SUBCONTRACTOR BEFORE THE WORK BEGINS. ALL PERCEIVED ERRORS, OMISSIONS AND DISCREPANCIES SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION BEFORE CONSTRUCTION BEGINS.
24. PROVIDE ELECTRICAL PANELS WITH TYPEWRITTEN "AS-BUILT" PANEL SCHEDULE. PANEL SCHEDULE SHALL INCLUDE LOCATION, QUANTITY AND TYPE OF DEVICES SERVED. PANEL SCHEDULE SHALL BE REVISED AS REQUIRED TO REFLECT REMOVED OR DEMOLISHED CIRCUITS.
25. THE SEISMIC ANCHORAGE OF ELECTRICAL EQUIPMENT SHALL CONFORM TO C.C.R. 2025 CHAPTER 16 AND ASCE 7-05 CHAPTER 13.
26. CONTRACTOR SHALL SUBMIT A CALCULATIONS AND DETAILS FOR APPROVAL WHEN USING AN INSTALLATION METHOD NOT STANDARD DETAILS.
27. ALL WORK SHALL BE DONE IN ACCORDANCE WITH LATEST APPLICABLE CODES AND REGULATIONS PER CALIFORNIA AND OTHER AUTHORITIES HAVING JURISDICTION.
28. ALL MATERIALS, EQUIPMENT, CONDUIT AND WIRING SHALL BE NEW AND PROVIDED BY THE CONTRACTOR. REFER TO THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS FOR EQUIPMENT AND MATERIAL APPROVED FOR USE UNDER THIS CONTRACT.
29. WIRING FOR ALL LOW VOLTAGE SYSTEMS SHALL BE ENCLOSED IN CONDUIT AND/OR RACEWAY.
30. ALL DIMENSIONS AND ELEVATIONS SHALL BE CHECKED AND VERIFIED ON THE SITE BY THE GENERAL CONTRACTOR AND EACH SUBCONTRACTOR BEFORE THE WORK BEGINS. ALL PERCEIVED ERRORS, OMISSIONS AND DISCREPANCIES SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION BEFORE CONSTRUCTION BEGINS.
31. ALL RACEWAYS INSIDE OF BUILDING SHALL BE CONCEALED. INCLUDE ALL REQUIRED DEMOLITION, CUTTING, PATCHING AND FINISH TO MATCH EXISTING INSTALLATION AS REQUIRED TO INSTALL NEW CONDUIT AND RACEWAYS IN EXISTING BUILDING.
32. ALL CONDUIT PENETRATIONS THROUGH FIRE-RATED FLOOR SLABS, SHAFTS AND WALLS SHALL BE SEALED AGAINST THE SPREAD OF FIRE OR SMOKE WITH APPROVED CABLE & CONDUIT FIRE STOPS OR FIRE RESISTANT SEALANT TO GIVE THE EQUIVALENT FIRE RATING OF THE STRUCTURE BEFORE THE PENETRATION. ALL OTHER NON-RATED PENETRATIONS OF STRUCTURES SHALL BE SEALED.
33. EXPOSED AND CONDUITS ABOVE T-BAR CEILINGS SHALL BE INSTALLED PARALLEL TO OR AT RIGHT ANGLES TO EXISTING BEAMS OR WALLS. EXPOSED CONDUITS UP TO 7'-0" ABOVE FINISH FLOOR SHALL BE RIGID GALVANIZED STEEL AND ABOVE 7'-0" MAY BE EMT.
34. PROVIDE ELECTRICAL PANELS WITH TYPEWRITTEN "AS-BUILT" PANEL SCHEDULE. PANEL SCHEDULE SHALL INCLUDE LOCATION, QUANTITY AND TYPE OF DEVICES SERVED.
35. PROVIDE ELECTRICAL PANELS WITH ENGRAVED NAMEPLATES ON OUTSIDE OF PANEL ABOVE DOOR OPENING.
36. SUPPORT CONDUIT 2-1/2 INCH TRADE SIZE OR SMALLER WITH U.L. LISTED CLAMPS AND HANGERS IN ACCORDANCE WITH SMACNA STANDARDS.
37. EQUIPMENT SPECIFIED ON THESE DRAWING ARE BASIS OF DESIGN.
38. CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ALL ADDITIONAL DESIGN AND CONSTRUCTION COSTS INCURRED BY THE USE OF ANY PRODUCT OTHER THAN THE BASIS OF DESIGN.
39. PROVIDE BREAKERS TIES TO BREAKERS FEEDING MULTI WIRE RUNS.
40. THESE PLANS ARE DIAGRAMMATIC, CONDUIT EXACT ROUTING, BOXES, FASTENERS, ETC. ARE CONSIDERED AS PART OF THE MEANS AND METHODS THAT THE CONTRACTOR IS USING TO PROVIDE AN OPERABLE AND APPROVED INSTALLATION.
41. 110.2 APPROVAL: ALL ELECTRICAL EQUIPMENT SHALL BE LABELED, LISTED OR CERTIFIED BY A NATIONALLY RECOGNIZED TESTING LABORATORY ACCREDITED BY THE UNITED STATES OCCUPATIONAL SAFETY HEALTH ADMINISTRATION.
42. 130.5(c) VOLTAGE DROP: THE MAXIMUM COMBINED VOLTAGE DROP ON BOTH INSTALLED FEEDER CONDUCTORS AND BRANCH CIRCUIT CONDUCTORS TO THE FARTHEST CONNECTED LOAD OR OUTLET SHALL NOT EXCEED 5 PERCENT.
43. PROVIDE RIGID METAL CONDUIT, FOR SYSTEMS OF ELECTRICAL WIRING INCLUDING LIGHTING,POWER AND SIGNAL SYSTEM. EMT MAY BE INSTALLED IN INTERIOR CONCEALED APPLICATIONS. FLEXIBLE STEEL CONDUIT MAY BE INSTALLED INSTEAD OF RIGID CONDUIT WHERE PERMITTED BY CODE. UNDERGROUND CONDUIT MUST BE PVC SCHEDULE 40.
44. ALL ELECTRICAL WORK SHALL BE DESIGNED PER 2023 LOS ANGELES COUNTY ELECTRICAL CODE, 2022 CALIFORNIA ELECTRICAL CODE, 2020 NATIONAL ELECTRICAL CODE, AND 2022 BUILDING ENERGY EFFICIENCY STANDARDS.
45. ALL ELECTRICAL EQUIPMENT SHALL BE LABELED, LISTED, OR CERTIFIED BY A NATIONAL RECOGNIZED TESTING LABORATORY ACCREDITED BY THE UNITED STATES OCCUPATIONAL SAFETY HEALTH ADMINISTRATION.
46. THE MAXIMUM COMBINED VOLTAGE DROP ON BOTH INSTALLED FEEDER CONDUCTORS AND BRANCH CIRCUIT CONDUCTORS TO FARTHEST CONNECTED LOAD OR OUTLET SHALL NOT EXCEED 5 PERCENT.
47. CARBON MONOXIDE DETECTOR IS ONLY REQUIRED IF THERE ARE FUEL BURNING APPLIANCES & FUEL BURNING FIREPLACES. CBC SECTION 915, [F]915.1.2.
48. DEMOLITION AND/OR REMOVAL OF ELECTRICAL EQUIPMENT SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR. ALL REMOVED EQUIPMENT NOT TO BE REUSED SHALL BE RETURNED TO OWNER OR AS DIRECTED BY THE OWNER INSPECTOR.

ELECTRICAL SYMBOLS LIST

DATA / TELECOM SYMBOLS

- DATA(LAN) WALL OUTLET +18" AFF U.O.N., 1-CAT6 CABLE BACK TO MEDIA PANEL.
- TELEPHONE WALL OUTLET +18" AFF U.O.N., 1-CAT6 CABLE BACK TO MEDIA PANEL.
- TELEPHONE/DATA(LAN) WALL OUTLET COMBO +18" AFF U.O.N., 2-CAT6 CABLES BACK TO MEDIA PANEL.
- RG-6(TELEVISION COAXIAL CABLE) WALL OUTLET +18" AFF U.O.N. , RG-6 CABLE BACK TO MEDIA PANEL.
- DATA+TV WALL OUTLET COMBO +18" AFF U.O.N., 1-CAT6+RG-6 CABLE BACK TO MEDIA PANEL.
- PHONE+TV WALL OUTLET COMBO +18" AFF U.O.N., 1-CAT6+RG-6 CABLE BACK TO MEDIA PANEL.
- PHONE/DATA+TV WALL OUTLET COMBO+18" AFF U.O.N, 2-CAT6+ 1RG-6 CABLE BACK TO MEDIA PANEL.
- STRUCTURED MEDIA PANEL ENCLOSURE.

NOTE:
PROVIDE EMPTY J-BOX OR PLASTER RING & 3/4" DIA. EMPTY EMT CONDUIT. STUBBED UP @6" ABOVE SUSPENDED CEILING w/PROTECTIVE PLASTIC RING & PULL STRING. TENANT'S VENDOR TO PROVIDE COVER PLATES AND PLENUM RATED CABLES. VERIFY SIZE OF CONDUIT WITH CABLING/PHONE VENDOR OR WHEN FEEDING MORE THAN ONE(1) LOCATION.

ELECTRICAL EQ. SYMBOLS

- FLUSH MOUNTED/ WALL RECESSED PANELBOARD
- SURFACE MOUNTED/ WALL RECESSED PANELBOARD
- LIGHTING CONTROL PANEL FLUSH MOUNTED FLOOR
- T PAD MOUNTED TRANSFORMER
- MAIN SWITCHBOARD

CONDUIT LINETYPES

- CONDUIT: EXPOSED IN UNFINISHED AREAS; CONCEALED ABOVE CEILING OR IN WALL IN FINISHED AREAS.
- CONDUIT: IN OR BELOW FLOOR OR BELOW GRADE
- CONDUIT STUB OUT/UP WITH CAPPED.
- CONDUIT SYSTEM RISER UP.
- CONDUIT SYSTEM RISER DOWN.
- A-1,3,5 — 3-POLE CIRCUIT. HOMERUN TO PANEL "A", CIRCUITS 1,3,5. PROVIDE WIRING PER BRANCH CIRCUIT CONDUIT SIZES
- A-1,3 — 2-POLE CIRCUIT. HOMERUN TO PANEL "A", CIRCUITS 1,3. PROVIDE WIRING PER BRANCH CIRCUIT CONDUIT SIZES
- A-1 — 1-POLE CIRCUIT. HOMERUN TO PANEL "A", CIRCUIT 1. PROVIDE WIRING PER BRANCH CIRCUIT CONDUIT SIZES

BRANCH CIRCUIT CONDUIT SIZES

	20A-1P	3/4"C, 2 #12 & 1 #12 GND
	20A-2P	3/4"C, 2 #12 & 1 #12 GND
	20A-3P	3/4"C, 3 #12 & 1 #12 GND
	30A-1P	3/4"C, 2 #10 & 1 #10 GND
	30A-2P	3/4"C, 2 #10 & 1 #10 GND
10	30A-3P	3/4"C, 3 #10 & 1 #10 GND
	40A-1P	3/4"C, 2 #8 & 1 #10 GND
	40A-2P	3/4"C, 2 #8 & 1 #10 GND
8	40A-3P	3/4"C, 3 #8 & 1 #10 GND
	50A-1P	3/4"C, 2 #6 & 1 #10 GND
	50A-2P	3/4"C, 2 #6 & 1 #10 GND
6	50A-3P	1"C, 3 #6 & 1 #10 GND

POWER SYMBOLS

- DUPLEX RECEPTACLE OUTLET, 125V, 20 AMP, NEMA 5-20R, +18" TO THE CENTER OF THE BOX, U.O.N. WALL MOUNTED.
- QUAD RECEPTACLE OUTLET, 125V, 20 AMP, NEMA 5-20R, +18" TO THE CENTER OF THE BOX, U.O.N. WALL MOUNTED.
- SPLIT WIRED DUPLEX RECEPTACLE OUTLET, 125V, 20 AMP, NEMA 5-20R, +18" TO THE CENTER OF THE BOX, U.O.N. WALL MOUNTED. BOTTOM RECEPTACLE IS TO BE SWITCHED CONTROLLED. USE GRAY COLORED RECEPTACLE TO INDICATE SWITCHED RECEPTACLE.
- DEDICATED RECEPTACLE WITH SPECIFIC NEMA CONFIGURATION. WALL MOUNTED +18" AFF TO THE CENTER OF THE BOX U.O.N.
- WP — GROUND FAULT CIRCUIT INTERRUPTER DUPLEX WEATHER RESISTANT RECEPTACLE WITHOUT POLE, 125V, 20A, NEMA 5-20R, +18" A.F.F. U.O.N. INDICATE WEATHERPROOF EXTRA DUTY COVER.
- WP — GROUND FAULT CIRCUIT INTERRUPTER DUPLEX WEATHER RESISTANT RECEPTACLE WITH POLE, 125V, 20A, NEMA 5-20R, +18" A.F.F. U.O.N. INDICATE WEATHERPROOF EXTRA DUTY COVER.
- USB — DUPLEX RECEPTACLE OUTLET w/DUAL USB CHARGER, 125V, 20 AMP, NEMA 5-20R, +18" TO THE CENTER OF THE BOX, U.O.N. WALL MOUNTED.
- FLOOR MOUNTED DUPLEX RECEPTACLE: 125V, 20A, NEMA 5-20R.
- FLOOR-MOUNTED BOX FOR POWER AND DATA. FLOOR BOX TO BE DETERMINED BY ARCHITECT, GENERAL CONTRACTOR AND ISP PRIOR TO ROUGH IN CORING. REFER TO CONDUIT SCHEDULE TO LOW VOLTAGE WIRES AND CABLES.
- JUNCTION BOX CEILING MOUNTED
- JUNCTION BOX WALL MOUNTED
- JUNCTION BOX FLOOR MOUNTED
- PB — PULLBOX
- DISCONNECT SWITCH. H.P. RATED, PER EQUIPMENT FLA, 3P U.O.N. "F" INDICATES FUSED, PROVIDE FUSE SIZE BASED ON NAMEPLATE RATING OF EQUIPMENT. PROVIDE NEMA-3R IN EXTERIOR LOCATIONS.
- COMBINATION FUSED MOTOR DISCONNECT SWITCH AND MAGNETIC MOTOR STARTER SIZED ACCORDING TO MOTOR MANUFACTURER RECOMMENDATIONS, HOA, (2) FORM C CONTROL CONTACTS, STARTER SIZE 1 U.O.N., SOLID STATE ADJUSTABLE OVER-LOAD PROTECTION, MOUNTED ON INDEPENDENT SUPPORT.

NOTE FOR RESIDENTIAL RECEPTACLE OUTLET:
PROVIDE TEMPER RESISTANT w/ARC FAULT CIRCUIT INTERRUPTER IN ADDITION TO ABOVE REQUIREMENTS PER CEC 210.12 & 406.12

SWITCHING / LIGHTING CONTROL SYMBOLS

- S — MANUAL ON-OFF TOGGLE SWITCH IN FLUSH OR SURFACE WALL OUTLET BOX. +48" TO TOP OF BOX, U.O.N.
- S_3 — MANUAL ON-OFF 3-WAY TOGGLE SWITCH IN FLUSH OR SURFACE WALL OUTLET BOX. +48" TO TOP OF BOX, U.O.N.
- S_D — MANUAL ON-OFF DIMMER SWITCH IN FLUSH OR SURFACE WALL OUTLET BOX. +48" TO TOP OF BOX, U.O.N.
- S_{OD} — MANUAL ON-OFF DIMMER SWITCH w/OCCUPANCY SENSOR IN FLUSH OR SURFACE WALL OUTLET BOX. +48" TO TOP OF BOX, U.O.N.
- S_{3D} — MANUAL ON-OFF 3-WAY DIMMER SWITCH IN FLUSH OR SURFACE WALL OUTLET BOX. +48" TO TOP OF BOX, U.O.N.
- S_H — MANUAL ON-OFF TOGGLE SWITCH w/HUMIDITY SENSOR FOR FAN CONTROL IN FLUSH OR SURFACE WALL OUTLET BOX. +48" TO TOP OF BOX, U.O.N.
- S_M — MOTOR RATED SWITCH WITH OVERLOAD PROTECTION (NUMBER OF POLES (MIN. 2) AND RATING PER THE LOAD THEY SERVE.
- OCCUPANCY SENSOR w/MANUAL OVERRIDE FOR LIGHTING CONTROL, WALL MOUNTED, AS SPECIFIED. PROVIDE DUAL SWITCHING CAPABILITY PER TITLE 24 WHERE REQUIRED. SURFACE WALL OUTLET BOX. +48" TO TOP OF BOX, U.O.N.
- TIME SWITCH, WALL MOUNTED, AS SPECIFIED. PROVIDE DUAL SWITCHING CAPABILITY PER TITLE 24 WHERE REQUIRED. SURFACE WALL OUTLET BOX. +48" TO TOP OF BOX, U.O.N.
- OS — CEILING MOUNTED OCCUPANCY SENSOR
- PS — CEILING MOUNTED DAYLIGHT PHOTO SENSOR
- OS/PS — CEILING MOUNTED OCCUPANCY+DAYLIGHT PHOTO SENSOR COMBO, ROOM LIGHT CONTROLLER LEVITON PROVOLT OR EQUAL USE COMPATIBLE SWITCH PADS FOR DIMMING & POWER PAK FOR PLUG LOAD CONTROL
- LCP — LIGHTING CONTROLLER/POWER PACK WITH RELAYS AS INDICATED ON PLAN.
- SURFACE MOUNTED PUSHBUTTON DOOR BELL SWITCH

STANDARD ABBREVIATIONS

A OR AMP	AMPERES
A/C	ASPHALT CONCRETE
AFF	ABOVE FINISH FLOOR
BKR.	BREAKER
BC	BARE COPPER
C	CONDUIT
CKT.	CIRCUIT
C.O.	CONDUIT ONLY
(E)	EXISTING
(ER)	EXISTING TO REMAIN
EQ.	EQUIPMENT
F.A.	FIRE ALARM
FLA	FULL LOAD AMPERES
F.O.	FIBER OPTIC
G.F.I./ GFI	GROUND FAULT INTERRUPTER
GRD.	GROUND
H.P.	HORSEPOWER
IDF	INTERMEDIATE DISTRIBUTION FRAME (COMPUTER/NETWORKING SYSTEM)
Isc	AVAILABLE SHORT CIRCUIT CURRENT
J-BOX	JUNCTION BOX
KW	KILOWATTS
LDF	LOCAL DISTRIBUTION FRAME (COMPUTER/NETWORKING SYSTEM)
LV	LOW VOLTAGE
MDF	MAIN DISTRIBUTION FRAME (COMPUTER/NETWORKING SYSTEM)
M.H.	MOUNTING HEIGHT
(N)	NEW
N.I.C.	NOT IN CONTRACT
PA	PUBLIC ADDRESS
PH OR Ø	PHASE
PABX	PHONE BOARD EXCHANGE
AFF	ABOVE FINISH FLOOR
(RR)	REMOVE AND RELOCATE
(R)	REMOVED
REC.	RECEPTACLE
REV.	REVISED
RSP	REMOTE SECURITY PANEL
SLC	SIGNALING LINE CIRCUIT
SW.	SWITCH
TYP.	TYPICAL
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSER
UFER	UFER GROUND
UG	UNDERGROUND
U.O.N	UNLESS OTHERWISE NOTED
WM	WIREMOLD
WP	WEATHERPROOF
W.R.	WEATHER RESISTANT
V.L.	VERIFY LOCATION
XFMR	TRANSFORMER

SCOPE OF WORK

INSTALLATION OF NEW SOLAR POWER PARKING LOT POLE LIGHTS.

APPLICABLE CODES

CONSTRUCTION SHALL COMPLY WITH THE FOLLOWING PARTS OF TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR):

PART 1	2022 CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE, TITLE 24 C.C.R.
PART 2	2022 CALIFORNIA BUILDING CODE (CBC), TITLE 24 C.C.R (2021 INTERNATIONAL BUILDING CODE OF THE INTERNATIONAL CODE COUNCIL WITH CALIFORNIA AMENDMENTS).
PART 3	2022 CALIFORNIA ELECTRICAL CODE (CEC), TITLE 24 C.C.R. (2020 NATIONAL ELECTRIC CODE OF THE NATIONAL FIRE PROTECTION ASSOCIATION, NFPA)
PART 6	2022 CALIFORNIA ENERGY CODE (CEC), TITLE 24 C.C.R.
PART 9	2022 CALIFORNIA FIRE CODE (CFC), TITLE 24 (2021 INTERNATIONAL FIRE CODE OF THE INTERNATIONAL CODE COUNCIL).
PART 10	2022 CALIFORNIA EXISTING BUILDING CODE, TITLE 24 C.C.R. (2021 INTERNATIONAL EXISTING BUILDING CODE OF THE INTERNATIONAL CODE COUNCIL WITH CALIFORNIA AMENDMENTS).
PART 11	2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN CODE), TITLE 24 C.C.R.
PART 12	2022 CALIFORNIA REFERENCED STANDARDS, TITLE 24 C.C.R.
TITLE 19	CCR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS 2013 ASME A17.1/CSA B44-13 SAFETY CODE FOR ELEVATOR AND ESCALATORS
NFPA 72	NATIONAL FIRE ALARM AND SIGNALING CODE (CA AMENDED) 2022 EDITION
UL 464	AUDIBLE SIGNALING DEVICE FOR FIRE ALARM AND SIGNALING SYSTEM, INCLUDING ACCESSORIES, 2023 EDITION

WIRING METHODS (CEC ART 300)

LOCATION	NM(NM)C CABLE (ROMEX CABLE)	SE CABLE	MC CABLE	AC CABLE	EMT	SCH PVC 80	SCH PVC 40	RGS
ABOVE GROUND CONCEALED			●		●			
ABOVE GROUND EXPOSED, SUBJECT TO PHYSICAL DAMAGE, DAMP OR WET LOCATIONS								●
UNDERGROUND							●	

GENERAL NOTES

A. CONTRACTOR TO MAKE SURE ALL CONDUCTORS, CABLES, RACEWAYS ETC. ARE PROTECTED AGAINST PHYSICAL DAMAGE PER CEC SECTION 300.4

B. CONTRACTOR MAY CHOOSE EITHER THE USE OF CABLES OR RUN INSULATED CONDUCTORS THROUGH CONDUITS PER TABLE. CONTRACTOR TO FOLLOW WIRING REQUIREMENTS PER CEC ARTICLE 300

● INDICATES CABLE/CONDUIT CAN BE USED FOR BRANCH AND FEEDER CIRCUITS

◆ INDICATES CABLE/CONDUIT CAN BE USED FOR BRANCH CIRCUITS

■ INDICATES CABLE/CONDUIT CAN BE USED FOR FEEDER CIRCUITS

ELECTRICAL SHEET INDEX

NUMBER	SHEET TITLE
E101	ELECTRICAL FRONT SHEET
E102	ELECTRICAL LIGHT FIXTURE SCHEDULE
E201	ELECTRICAL DEMOLITION PLAN
E202	ELECTRICAL PLAN
E203	ELECTRICAL PHOTOMETRIC PLAN
E301	ELECTRICAL T-24 OUTDOOR LIGHTING

PAUL MURDOCH ARCHITECTS

6310 SAN VICENTE BLVD SUITE 400
LOS ANGELES, CALIFORNIA 90048
310 358-0993

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Public Works

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JOB# - 23-276

NO.	DATE	REVISION

MAGIC JOHNSON PARK
MAKE READY &
PARKING PROJECT

12416 AVALON BLVD.
LOS ANGELES, CA 90061

PMA PROJECT NO.
21023.01

DRAWING TITLE
ELECTRICAL
FRONT SHEET

SCALE
REFER TO PLANS

DATE
06/01/2026

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SHEET NO.
E101

LIGHTING FIXTURE SCHEDULE

TYPE	MANUFACTURER & MODEL NUMBER	MOUNTING	SOURCE COLOR TEMP LUMENS	WATTS	SYSTEM INPUT WATTS	VOLTAGE	DIMMING	DESCRIPTION	NOTES
AA	SOLTECH #STLSTC-30-T4-4-SF-GY-6-SBLOG POLE #SRS-CB-4-11-25-T2D4L-MG-SBRKT-SPK-L1-12-T2D4L-MG	POLE MOUNTED	LED 4000K 5739 LM	31	31	DC (12-24V) SOLAR	N/A	25' POLE-MOUNTED SINGLE-ARM LED PARKING LOT LIGHT WITH 52-WATT 30" SOLAR POWER PV ASSEMBLY WITH INTEGRATED MOTION SENSOR.	TO AVOID LIGHT SPILLAGE, TYPE IV OPTIC FOR FORWARD THROW AND IN NORTHERN ROW, 30 DEGREE TILT.
BB	SOLTECH #STLSTC-30-T4-4-SF-GY-6-SBLOG POLE #SRS-CB-4-11-25-T2D4L-MG-SBRKT-SPK-L2-12-T2D4L-MG	POLE MOUNTED	LED 4000K 11478 LM	62	62	DC (12-24V) SOLAR	N/A	25' POLE-MOUNTED DOUBLE-ARM LED PARKING LOT LIGHT WITH 52-WATT 30" SOLAR POWER PV ASSEMBLY WITH INTEGRATED MOTION SENSOR.	

GENERAL NOTES:

1 - PROVIDE ALL LIGHTING FIXTURES AS SHOWN COMPLETE WITH LAMPS, WIRED, CONTROLLED AND SECURELY ATTACHED TO SUPPORTS.
2 - PROVIDE UL LISTED DRIVERS OR SCOKETS WITH MANUFACTURER LABEL LISTED PER THE INPUT SYSTEM WATTS AS INDICATED ON THE LIGHTING FIXTURE SCHEDULE.
3 - THE LIGHTING FIXTURES AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE STANDARDS AND REGULATIONS OF THE FOLLOWING:
A. UNDERWRITERS LABORATORIES (UL)
B. CALIFORNIA ELECTRICAL CODE (CEC)
C. LOCAL BUILDING AND LIFE SAFETY CODE AGENCIES.
D. LM-79-08, LM-80-08, TM-21-11, AND TITLE 20 LISTED
4 - ALL FIXTURES AND WORKMANSHIP SHALL BE GUARANTEED FREE OF DEFECTS AND FULLY OPERATIONAL. ANY FIXTURES OR WORKMANSHIP FOUND TO BE DEFECTIVE DURING THE WARRANTY PERIOD WILL BE EITHER FIXED OR REPLACED BY THE CONTRACTOR AT NO COST TO THE OWNER.
5 - PROVIDE ADEQUATE AND STURDY SUPPORT FOR EACH LIGHTING FIXTURE OR POLE LIGHT ASSEMBLY. CONTRACTOR SHALL BE RESPONSIBLE FOR VERFYING THE WEIGHT AND MOUNTING METHOD OF ALL FIXTURES AND FURNISH AND INSTALL SUITABLE SUPPORTS OR BASE FOOTINGS. FIXTURE MOUNTING ASSEMBLIES SHALL COMPLY WITH ALL LOCAL SEISMIC CODES AND REGULATIONS.
NOTE: CONTRACTOR SHALL REFER TO CIVIL DRAWINGS FOR FOOTING REQUIREMENTS.
6 - PROVIDE ALL LIGHT FIXTURES EQUIPPED WITH COMPATIBLE DIMMING DRIVERS PER THE LIGHTING CONTROLS SYSTEM.
7 - PROVIDE UL924 DEVICES FOR ALL EMERGENCY FIXTURES. ALL LIGHTING FIXTURES EQUIPPED WITH EMERGENCY BATTERY BACK-UP SHALL BE PROVIDED WITH A UN-SWITCHED HOT WIRE PER MANUFACTURER DIRECTIONS.
8- AT THE COMPLETION OF CONSTRUCTION, CONTRACTOR SHALL CLEAN LENSES AND REFLECTORS OF ALL LIGHT FIXTURES SO AS TO RENDER THEM FREE OF ANY MATERIAL, SUBTANCE OR FILM FOREIGN TO THE FIXTURE. BLEMISHED, DAMAGED OR UNSATISFACTORY FIXTURES SHALL BE REPLACED IN A SATISFACTORY MANNER.
9 - CONTRACTOR SHALL CONFIRM ALL LIGHT FIXTURE VOLTAGES WITH LIGHTING PLANS AND LIGHTING PANEL SCHEDULES.
10 - PROVIDE ALL FINISHES FOR ALL LIGHT FIXTURES PER THE ARCHITECTS FINAL SELECTION.

NOTE; PARKING LOT POLE LIGHTS ARE OFF GRID POWERED VIA SOLAR PANEL PV SYSTEM ONLY. NO SECONDARY UTILITY OR BRANCH CIRCUIT FEED IS PROVIDED.

PAUL MURDOCH ARCHITECTS

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LOS ANGELES, CALIFORNIA 90048
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Public Works
LA CITY LA CITY

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NO.	DATE	REVISION

MAGIC JOHNSON PARK
MAKE READY &
PARKING PROJECT

12416 AVALON BLVD.
LOS ANGELES, CA 90061

PMA PROJECT NO.
21023.01

DRAWING TITLE
ELECTRICAL
LIGHT FIXTURE
SCHEDULE

SCALE
REFER TO PLANS

DATE
06/01/2026

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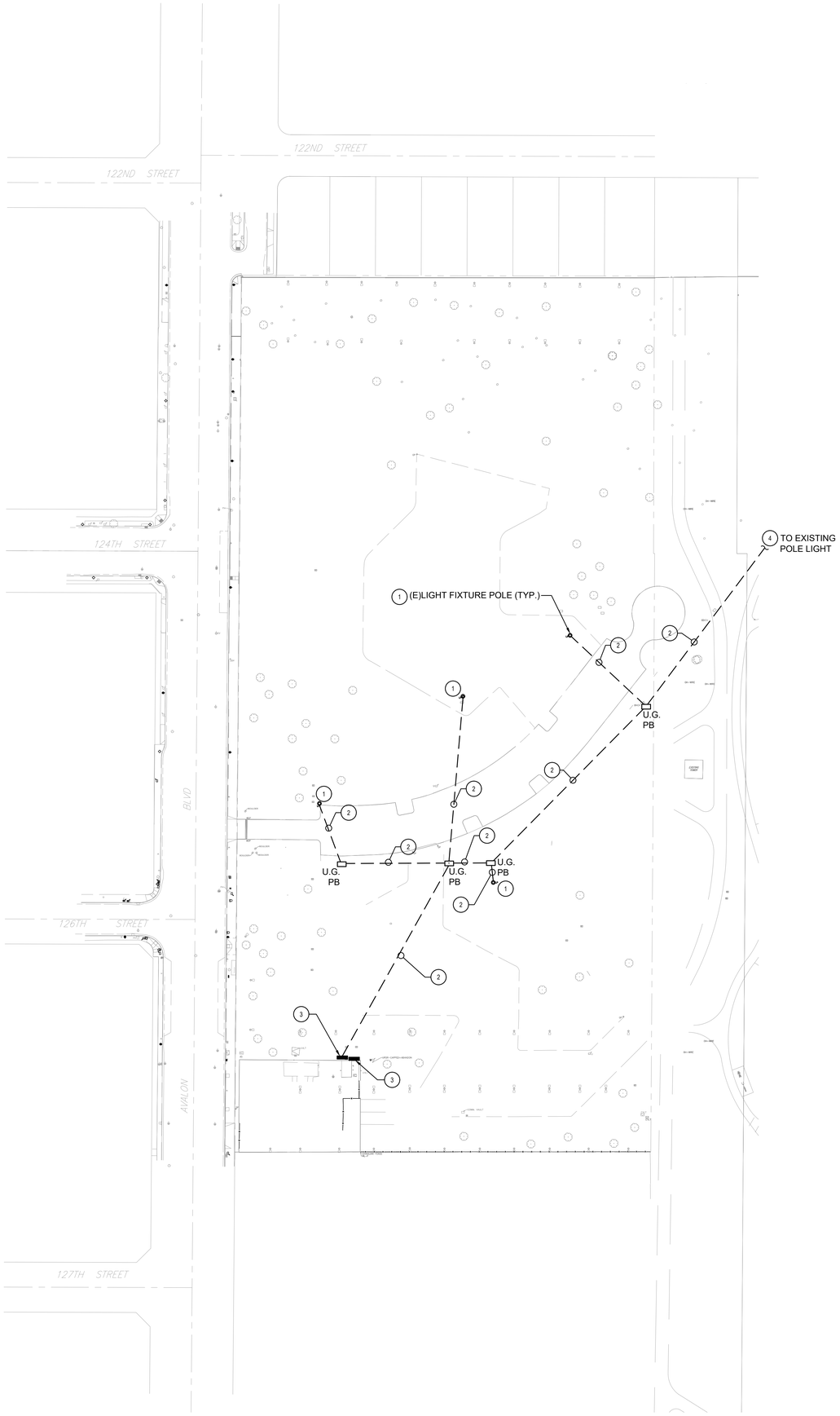
SHEET NO.
E102



GENERAL NOTES

A. THE CONTRACTOR SHALL VISIT THE SITE, INCLUDING ALL AREAS INDICATED ON THE DRAWINGS, SHALL THOROUGHLY FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS AND, BY SUBMITTING A BID, SHALL ACCEPT CONDITIONS UNDER WHICH HE WILL BE REQUIRED TO PERFORM HIS WORK.

B. IT SHALL BE THE ELECTRICAL CONTRACTOR'S RESPONSIBILITY TO DISCONNECT AND REMOVE ALL EXISTING LIGHTING FIXTURES, ELECTRICAL EQUIPMENT, ETC., AFFECTED BY THE RENOVATION. THIS WILL INCLUDE REROUTING OR EXTENDING OF EXISTING CONDUIT AND FEEDERS WHERE NECESSARY TO MAINTAIN THE CONTINUITY OF THE EXISTING EQUIPMENT TO REMAIN.

C. IT SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR TO MAINTAIN CONTINUITY OF ALL ELECTRICAL SYSTEMS, EQUIPMENT, ETC., REMAINING IN OPERATION WHICH ARE BEING FED BY AN ABANDONED OUTLET. MAINTAINING CONTINUITY SHALL CONSISTS OF REROUTING CONDUIT, WIRING, ETC., AS REQUIRED.

D. THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE OWNER PRIOR TO REMOVAL OF EXISTING ELECTRICAL EQUIPMENT, AND TURN OVER REMOVED EQUIPMENT THAT THE OWNER REQUESTS IN AN " AS-FOUND" CONDITION. EQUIPMENT THAT IS TO BE TURNED OVER SHALL BE BOXED AND TAGGED TO IDENTIFY THE SPECIFIC EQUIPMENT.

E. DURING EACH PHASE OF DEMOLITION, ALL CIRCUITS FROM EXISTING PANELS WHICH FEED AREAS OUTSIDE THE BOUNDARIES OF THAT PHASE, SHALL BE MAINTAINED.

F. REMOVE ALL ABANDONED CONDUITS AND WIRING AND EQUIPMENT. ALL TELECOM AND ELECTRICAL LINES TO BE TRACED. IF NOT A PART OF THIS SCOPE - CONFIRM WHEN AND IF CONDUIT OR TELECOM LINE CAN BE RE-ROUTED.

G. CONTRACTOR SHALL PROTECT ALL EXISTING SYSTEMS WHICH ARE TO REMAIN. CONDUIT AND CONDUCTORS ARE TO BE SECURED FROM DAMAGE.

KEY NOTES

1. EXISTING LIGHT POLES TO BE REMOVED.
2. EXISTING UNDERGROUND CONDUIT AND CONDUCTORS AND ASSOCIATED PULL BOXES SERVING EXISTING LIGHT POLES TO BE REMOVED.
3. CONTRACTOR TO REMOVE EXISTING ELECTRICAL PANEL AND ASSOCIATED CONDUIT AND CONDUCTORS WITHIN THE AREA OF SCOPE OF WORK.
4. REMOVE EXISTING UNDERGROUND CONDUIT AND CONDUCTORS WITHIN AREA OF SCOPE OF WORK AND CAP.

DIGALERT
Underground Service Alert of Southern California
811 or 800-422-4133

ELECTRICAL DEMOLITION PLAN
SCALE: 1" = 60'-0"

E201 - 1

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STATE OF CALIFORNIA

Public Works
LOS ANGELES COUNTY

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CALIFORNIA

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NO.	DATE	REVISION

MAGIC JOHNSON PARK MAKE READY & PARKING PROJECT

12416 AVALON BLVD.
LOS ANGELES, CA 90061

PNA PROJECT NO.
21023.01

DRAWING TITLE
ELECTRICAL DEMOLITION SITE PLAN

SCALE
REFER TO PLANS

DATE
06/01/2026

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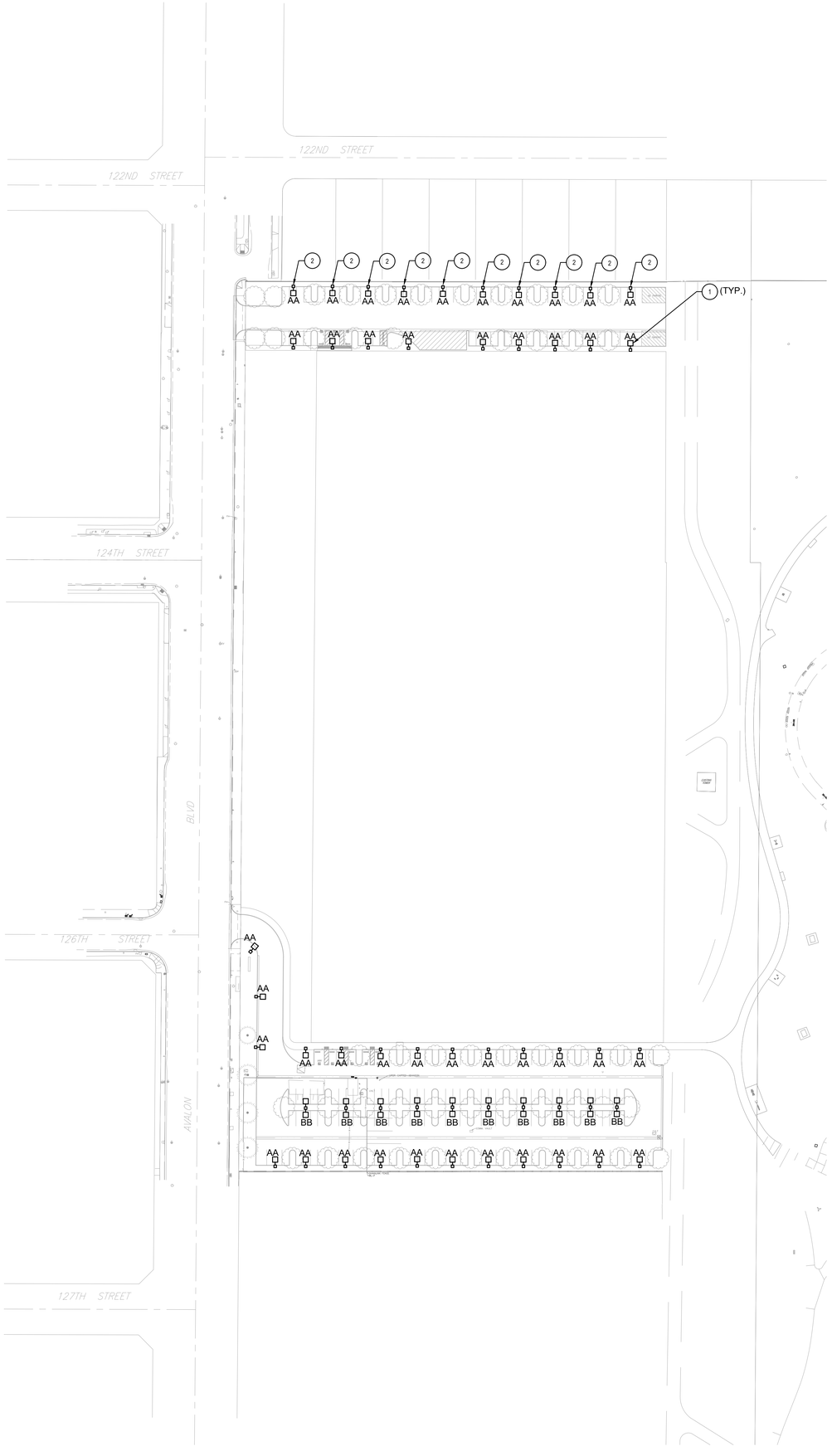
E201



GENERAL NOTES

A. ALL OUTDOOR ELECTRICAL EQUIPMENT SHALL BE WEATHERPROOF TYPE, WET RATED, VANDAL RESISTANT TYPE AND NEMA 3R RATED.

B. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ALL EQUIPMENT WITH CLEARANCES AS REQUIRED PER CODE AND UTILITY SERVICE REQUIREMENTS.

C. EXTREME CAUTION IN EXCAVATING AND TRENCHING ON THIS SITE TO AVOID EXISTING DUCTS, PIPING OR CONDUITS, ETC., AND TO PREVENT HAZARD TO PERSONNEL AND/OR DAMAGE TO EXISTING UNDERGROUND UTILITIES OR STRUCTURES WHETHER OR NOT SHOWN AND INSTALLED BY ANY OTHER CONTRACTS. THE ENGINEER IS NOT RESPONSIBLE FOR THE LOCATION OF UNDERGROUND UTILITIES OR STRUCTURES WHETHER OR NOT SHOWN OR DETAILED AND INSTALLED BY ANY OTHER CONTRACTS. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER SHOULD SUCH UNIDENTIFIED CONDITIONS BE DISCOVERED.

D. PROVIDE PROTECTION FROM PHYSICAL DAMAGE FOR SWITCHBOARDS, PANEL BOARDS AND OTHER ELECTRICAL EQUIPMENT.

E. ROUTING OF SERVICE CONDUITS AND LOCATION OF STRUCTURES INDICATED ON SITE PLAN ARE GENERALLY DIAGRAMMATIC. ELECTRICAL CONTRACTOR MUST OBTAIN FINAL CONSTRUCTION DRAWINGS FROM THE SERVING UTILITY COMPANIES BEFORE INSTALLATION OF THE ABOVE ITEMS.

KEY NOTES

1. NEW OFF GRID SOLAR POWERED PARKING LOT POLE LIGHTS. REFER TO LIGHTING FIXTURE SCHEDULE FOR MAKE AND MODEL NUMBER AND ADDITIONAL INFORMATION.

2. PARKING LOT LIGHTS AT THE NORTHERN ROW ARE TO BE TILTED AT 30 DEGREE ANGLE TO AVOID LIGHT SPILLAGE NORTHWARD.

DIGALERT
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ELECTRICAL OVERALL NEW PLAN

SCALE: 1" = 60'-0"

E202 - 1

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MAGIC JOHNSON PARK
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12416 AVALON BLVD.
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PMA PROJECT NO.
21023.01

DRAWING TITLE
ELECTRICAL
SITE PLAN

SCALE
REFER TO PLANS

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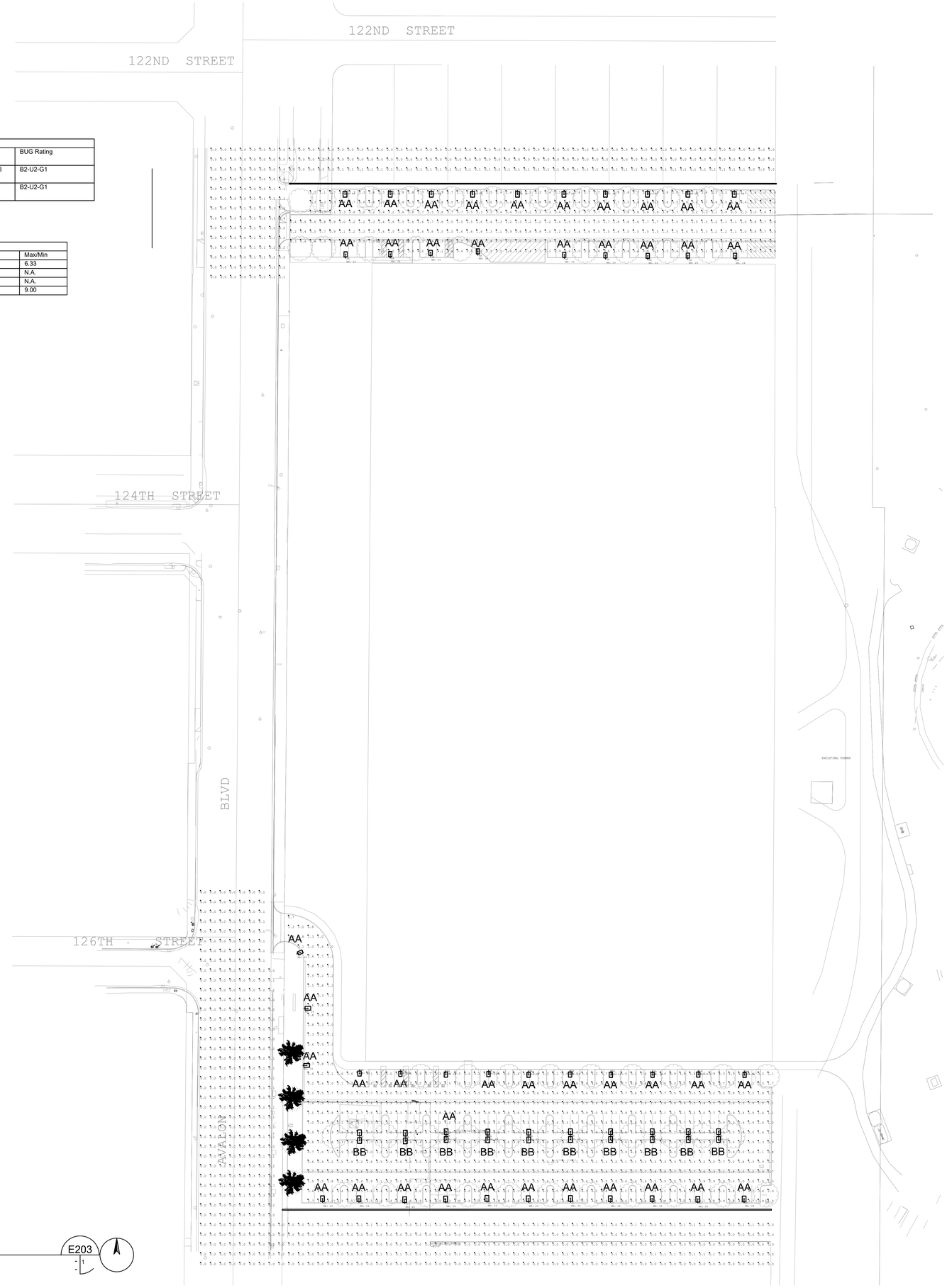
SHEET NO.
E202

Luminaire Schedule									
Symbol	Qty	Label	Arrangement	Description	LLF	Luminaire Lumens	Luminaire Watts	Total Watts	BUG Rating
	43	AA	Single	SOLTECH LIGHTING - STLSTC-30-T4-4-SF-GY-6-SBLOG POLE BY GARCO-SRS-CB-4-11-25-T2D4L-MG-SBRKT-SPK-L1-12-T2D4L-MG	0.800	5739	30.66	1318.38	B2-U2-G1
	10	BB	Back-Back	SOLTECH LIGHTING - STLSTC-30-T4-4-SF-GY-6-SBLOG POLE BY GARCO-SRS-CB-4-11-25-T2D4L-MG-SBRKT-SPK-L2-12-T2D4L-MG	0.800	5739	30.66	613.2	B2-U2-G1

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
North Calc	Illuminance	Fc	1.33	1.9	0.3	4.43	6.33
OVPL	Illuminance	Fc	0.02	0.2	0.0	N.A.	N.A.
OVPL_1	Illuminance	Fc	0.02	0.3	0.0	N.A.	N.A.
South Calc	Illuminance	Fc	1.69	3.6	0.4	4.23	9.00



ELECTRICAL PHOTOMETRIC PLAN

SCALE: NTS

E203

PAUL MURDOCH ARCHITECTS

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NO.	DATE	REVISION

MAGIC JOHNSON PARK
MAKE READY &
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12416 AVALON BLVD.
LOS ANGELES, CA 90061

PMA PROJECT NO.
21023.01

DRAWING TITLE
ELECTRICAL
PHOTOMETRIC PLAN

SCALE
REFER TO PLANS

DATE
06/01/2026

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SHEET NO.
E203

STATE OF CALIFORNIA
Outdoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			NRCC-LTO-E
This document is used to demonstrate compliance with requirements in 110.9, 130.0, 130.2, 140.7, and 141.0(b)2L for outdoor lighting scopes using the prescriptive path for nonresidential and hotel/motel occupancies. It is also used to document compliance with requirements in 160.5, 170.2(e)6, 180.1(a) and 180.2(b)4Bv for outdoor lighting scopes using the prescriptive path for multifamily and mixed-use occupancies. Multifamily includes dormitory and senior living facilities.			
Project Name:	Paul Mardoch LACMA Magic Johnson Parking Lot	**Report Page:**	**(Page 1 of 8)**
Project Address:	12416 AVALON BLVD.LOS ANGELES	**Date Prepared:**	07-10-2025

A. GENERAL INFORMATION				
01	Project Location (city)	LOS ANGELES	04 Total Illuminated Hardscape Area (ft²)	522299
02	Climate Zone	8		
03	Outdoor Lighting Zone per Title 24 Part 1 10.114 or as designated by Authority Having Jurisdiction (AHJ):			
☐ LZ-0: Very Low - Undeveloped Parkland	☒ LZ-2: Moderate - Urban Clusters	☐ LZ-4: High - Must be reviewed by CA Energy Commission for Approval		
☐ LZ-1: Low - Rural Areas	☐ LZ-3: Moderately High - Urban Areas			
05	Occupancy Types within Project			
● Other Occupancies				

B. PROJECT SCOPE		
This table includes outdoor lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.7 / 170.2(e)6 or 141.0(b)2L / 180.2(b)4Bv for alterations.		
My Project Consists of:		
01	02	
☒ New Lighting System	Must Comply with Allowances from 140.7 / 170.2(e)6	
☐ Altered Lighting System	Is your alteration increasing the connected lighting load (Watts)? ○ Yes ○ No	
03	04	05
% of Existing Luminaires Being Altered[1]	Sum Total of Luminaires Being Added or Altered	Calculation Method
☐ < 10% ☐ >= 10% and < 50% ☐ >= 50%		
Please proceed to Table F. Outdoor Lighting Fixture Schedule to define the project's luminaires.		

[1] FOOTNOTES: % of Existing Luminaires Being Altered = (Sum Total of Luminaires Being Added or Altered / Existing Luminaires within the Scope of the Permit Application) x 100.

STATE OF CALIFORNIA
Outdoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			NRCC-LTO-E
Project Name:	Paul Mardoch LACMA Magic Johnson Parking Lot	**Report Page:**	**(Page 2 of 8)**
		Date Prepared:	07-10-2025

C. COMPLIANCE RESULTS															
Results in this table are automatically calculated from data input and calculations in Tables F through N. Note: If any cell on this table says "COMPLIES with Exceptional Conditions" refer to Table D. Exceptional Conditions for guidance or see applicable Table referenced below.															
Calculations of Total Allowed Lighting Power (Watts) 140.7 / 170.2(e)6 or 141.0(b)2L / 180.2(b)4Bv											**Compliance Results**				
01		02		03		04		05		06		07		08	09
General Hardscape Allowance 140.7(d)1 / 170.2(e)6 (See Table I)	+	Per Application 140.7(d)2 / 170.2(e)6 (See Table J)	+	Sales Frontage 140.7(d)2 (See Table K)	+	Ornamental 140.7(d)2 / 170.2(e)6 (See Table L)	+	Per Specific Area 140.7(d)2 / 170.2(e)6 (See Table M)	OR	Existing Power Allowance 141.0(b)2L / 180.2(b)4Bv (See Table N)	=	**Total Allowed** (Watts)	≥	**Total Actual** (Watts)	**07 must be >= 08**
10,588	+	---	+	---	+	---	+	---	OR	---	=	10,588	≥	1643	COMPLIES
Shielding Compliance (See Table G for Details)															COMPLIES
Controls Compliance (See Table H for Details)															COMPLIES

D. EXCEPTIONAL CONDITIONS
This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS
This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

STATE OF CALIFORNIA
Outdoor Lighting
CALIFORNIA ENERGY COMMISSION

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		Date Prepared:	07-10-2025

F. OUTDOOR LIGHTING FIXTURE SCHEDULE										
For new or altered lighting systems demonstrating compliance with 140.7 / 170.2(e)6 all new luminaires being installed and any existing luminaires remaining or being moved within the spaces covered by the permit application are included in the Table below. For altered lighting systems using the Existing Power method per 141.0(b)2L only new luminaires being installed and replacement luminaires being installed as part of the project scope are included (ie, existing luminaires remaining or existing luminaires being moved are not included). Outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit are included in Table H. and are not included here. All other multifamily outdoor lighting is included here.										
Designed Wattage:										
01	02		03	04	05	06	07	08	09	10
Name or Item Tag	Complete Luminaire Description		Watts per luminaire[1, 2]	How is Wattage determined	Total Number Luminaires [2]	Luminaire Status[3]	Excluded per 140.7(a) / 170.2(e)6A	Design Watts	Cutoff Req. > 6,200 initial lumen output 130.2(b) / 160.5(c)[4]	Field Inspector: Pass / Fail
AA/69	SOLTECH #STLSTC-30-T4-4-SF-GY-6-SBLOG	☐ Linear	31	Mfr. Spec	43	New	☐	1333	Provided	☐ ☐
BB/138	SOLTECH #STLSTC-30-T4-4-SF-GY-6-SBLOG	☐ Linear	31	Mfr. Spec	10	New	☐	310	Provided	☐ ☐
							Total Design Watts:	1643		

* NOTES: Selections with a * require a note in the space below explaining how compliance is achieved.
EX: Luminaire is lighting a statue; EXCEPTION 2 to 130.2(b)
[1] FOOTNOTES: Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per 130.0(c) / 160.5(b)
[2] For linear luminaires, wattage should be indicated as W/ft instead of Watts/luminaire. Total linear feet should be indicated in column 05 instead of number of luminaires.
[3] Select "New" for new luminaires in a new outdoor lighting project, or for added luminaires in an alteration. Select "Altered" for replacement luminaires in an alteration. Select "Existing to Remain" for existing luminaires within the project scope that are not being altered and are remaining. Select "Existing Reinstalled" for existing luminaires which are being removed and reinstalled as part of the project scope.
[4] Compliance with mandatory shielding requirements is required for luminaires with initial lumen output >= 6,200 unless exempted by 130.2(b)/ 160.5(c)

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G. SHIELDING REQUIREMENTS (BUG)												
This table includes fixtures of >=6,200 initial lumens indicated on Table F as needing to comply with Shielding Requirements. Maximum lumens can be found in Title 24, Part 11, Section 5.106.8.												
01	02	03	04	05	06	07	08	09	10	11	12	
Name or Item Tag	Complete Luminaire Description	Backlight Rating[2]			Uplight Rating[2]			Glare Rating (Lumens)[2]			Field Inspector	
		Mounting Height[1]	Max Allowable Backlight Rating[1]	Backlight Rating Per Design	Lighting type	Max Allowable Uplight Rating[3]	Uplight Rating Per Design	Mounting Height[1]	Max Allowable Glare Rating[3]	Glare Rating Per Design	Pass	Fail
AA/69	SOLTECH #STLSTC-30-T4-4-SF-GY-6-SBLOG AA/69	2 MH from property line	No Limit	B2	All other outdoor lighting, including decorative	U2	U0	> 2 MH from property line	G2	G2	☐	☐
BB/138	SOLTECH #STLSTC-30-T4-4-SF-GY-6-SBLOG BB/138	2 MH from property line	No Limit	B2	All other outdoor lighting, including decorative	U2	U0	> 2 MH from property line	G2	G2	☐	☐

[1] FOOTNOTES: Mounting Height is labeled MH in this table.
[2] Authority Having Jurisdiction may ask for Luminaire cut sheets or other documentation to confirm luminaire type, uplight ratings and glare ratings used for compliance per 130.2(b)/ 160.5(c)
[3] BUG ratings with a lower number than the 'Max Allowable' are compliant. Ex. If Max Allowable is Bug Rating B4, then B0, B1, B2 and B3 are all compliant.

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H. OUTDOOR LIGHTING CONTROLS					
This table demonstrates compliance with controls requirements for all new or altered luminaires installed as part of the permit application. For alteration projects, luminaires which are existing to remain (ie untouched) and luminaires which are removed and reinstalled (wiring only) do not need to be included in this table even if they are within the spaces covered by the permit application. *Outdoor lighting for nonresidential buildings, parking garages and common service areas in multifamily buildings must be documented separately from outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit*					
Mandatory Controls for Nonresidential Occupancies, Parking Garages & Common Areas in Multifamily Buildings					
01	02	03	04	05	
Area Description	Shut-Off 130.2(c)1 / 160.5(c)	Auto-Schedule 130.2(c)2 / 160.5(c)	Motion Sensor 130.2(c)3 / 160.5(c)	Field Inspector: Pass	Fail
Parking Lot	Astronomical Timer	Provided	Provided	☐	☐

[1] FOOTNOTE: Text has been abbreviated, please refer to Table 160.5-A to confirm compliance with the specific light source technologies listed.
[2] Authority having jurisdiction may ask for cutsheets or other documentation to confirm compliance of light source.
[3] Recessed luminaires marked for use in fire-rated installations, and recessed luminaires installed in non-insulated ceilings are excepted from ii and iii.

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CERTIFICATE OF COMPLIANCE			NRCC-LTO-E
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I. LIGHTING POWER ALLOWANCE (per 140.7 / 170.2(e))								
This table includes areas using allowance calculations per 140.7 / 170.2(e). General Hardscape Allowance is per Table 140.7-A/Table 170.2-R while "Use it or lose it" Allowances are per Table 140.7-B /Table 170.2-S. Indicate which allowances are being used to expand sections for user input. Luminaires that qualify for one of the "Use it or lose it" allowances shall not qualify for another "Use it or lose it" allowance. *Outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit are included in Table H. and are not included here. All other multifamily outdoor lighting is included here.*								
	01							
	☒ General Hardscape Allowance Table I (below)	"Use it or lose it" Allowance (select all that apply) (select all that apply)						
		☐ Per Application Table J	☐ Sales Frontage Table K	☐ Ornamental Table L	☐ Per Specific Area Table M			
Calculated General Hardscape Lighting Power Allowance per Table 140.7-A for Nonresidential & Hotel/Motel								
02	03	04	05	06	07	08	09	
Area Description	Area Wattage Allowance (AWA)			Linear Wattage Allowance (LWA)			Total General AWA + LWA (Watts)	
	Illuminated Area (ft²)	Allowed Density (W/ft²)	Area Allowance (Watts)	Perimeter Length (lf)	Allowed Density (W/lf)	Linear Allowance (Watts)		
Parking Lot	522299	0.019	9923.7	3095	0.2	464.2	10388	
Initial Wattage Allowance for Entire Site (Watts):							200	
Instances of Initial Wattage Allowance (LZ 0 only)[1]								
Total General Hardscape Allowance (Watts):							10588	

J. LIGHTING ALLOWANCE: PER APPLICATION
This section does not apply to this project.

K. LIGHTING ALLOWANCE: SALES FRONTAGE
This section does not apply to this project.

L. LIGHTING ALLOWANCE: ORNAMENTAL
This section does not apply to this project.

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CERTIFICATE OF COMPLIANCE			NRCC-LTO-E
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M. LIGHTING ALLOWANCE: PER SPECIFIC AREA
This section does not apply to this project.

N. EXISTING CONDITIONS POWER ALLOWANCE (alterations only)
This section does not apply to this project.

O. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION
Selections have been made based on information provided in this document. If any selection has been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online
Form/Title
NRCI-LTO-E - Must be submitted for all buildings

P. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE	
Selections have been made based on information provided in this document. If any selection has been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: http://www.energy.ca.gov/title24/attcp/providers.html	
Form/Title	Systems/Spaces To Be Field Verified
NRCA-LTO-02-A - Must be submitted for all outdoor lighting controls except for alterations where controls are added to <= 20 luminaires.	Parking Lot;

STATE OF CALIFORNIA
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CERTIFICATE OF COMPLIANCE			NRCC-LTO-E
Project Name:	Paul Mardoch LACMA Magic Johnson Parking Lot	**Report Page:**	**(Page 8 of 8)**
Project Address:	12416 AVALON BLVD.LOS ANGELES	**Date Prepared:**	07-10-2025

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT	
I certify that this Certificate of Compliance documentation is accurate and complete.	
Documentation Author Name: Guillermo Acuna	Documentation Author Signature: Guillermo A.
Company: Budlong & Associates	Signature Date: 2025-10-07
Address: 315 Arden Ave	CEA/ HERS Certification Identification (if applicable):
City/State/Zip: Glendale CA 91203	Phone: (909) 232-4679

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:
1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: Manan H.Christian	Responsible Designer Signature:
Company: Budlong & Associates	Date Signed: 2025-10-07
Address: 400 W.Ventura Blvd Suite240	License: E 22864
City/State/Zip: Camarillo CA 93010	Phone: (805)987-4001

PAUL MURDOCH ARCHITECTS

6310 SAN VICENTE BLVD SUITE 400
LOS ANGELES, CALIFORNIA 90048
310 358-0993

THE DRAWINGS AND SPECIFICATIONS AND IDEAS, DESIGN, AND ARRANGEMENTS REPRESENTED THEREBY ARE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT, AND NO PART THEREOF SHALL BE COPIED, DISCLOSED TO OTHERS, OR USED IN CONNECTION WITH ANY WORK OR PROJECT THAN THE SPECIFIC PROJECT FOR WHICH THEY HAVE BEEN PREPARED AND DEVELOPED WITHOUT THE WRITTEN CONSENT OF THE ARCHITECT. VISUAL CONTACT WITH THESE DRAWINGS OR SPECIFICATIONS SHALL CONSTITUTE CONCLUSIVE EVIDENCE OF ACCEPTANCE OF THESE RESTRICTIONS. WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB AND THIS OFFICE MUST BE NOTIFIED OF ANY VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN BY THESE DRAWINGS. SHOP DETAILS MUST BE SUBMITTED TO THIS OFFICE FOR REVIEW BEFORE PROCEEDING WITH FABRICATION

REGISTERED PROFESSIONAL ENGINEER
MANAN H. CHRISTIAN
E 22864
9/30/27
ELECTRICAL
STATE OF CALIFORNIA

Public Works

COUNTY OF LOS ANGELES
CALIFORNIA

An MBE|SBE|DBE|LSBE Firm
Glendale|Downtown LA|Fremont|Camarillo
W W W . B U D L O N G . C O M
JOB# - 23-276

NO.	DATE	REVISION

MAGIC JOHNSON PARK
MAKE READY &
PARKING PROJECT

12416 AVALON BLVD.
LOS ANGELES, CA 90061

PWA PROJECT NO.: 21023.01

DRAWING TITLE: ELECTRICAL T-24 OUTDOOR LIGHTING

SCALE: REFER TO PLANS

DATE: 06/01/2026

DRAWN: GA CHECKED: PM

SHEET NO.: E301

LANDSCAPE WATER EFFICIENCY PLANS
MAGIC JOHNSON PARK
MAKE READY AND PARKING PROJECT
EIMP2026000179
Los Angeles County Department of Public Works

Site Address: 12416 AVALON BOULEVARD
LOS ANGELES, CA 90061

CLIENT / OWNER
LOS ANGELES COUNTY OF PUBLIC WORKS
900 S. FREMONT AVENUE
ALHAMBRA, CA 91803
TEL. (626) 300-2632

CIVIL ENGINEER
BARBARA L. HALL, P.E., INC.
318 WEST EVERGREEN AVENUE
MONROVIA, CA 91016
BARBARA L. HALL
TEL. (626) 256-3220
FAX (626) 256-3218

ARCHITECT
PAUL MURDOCH ARCHITECTS
6310 SAN VICENTE BLVD.
SUITE 400
LOS ANGELES, CA 90048
TEL. (310) 358-0993

ELECTRICAL ENGINEER
BUDLONG
635 W. 5TH ST.,
26TH FLOOR
LOS ANGELES, CA 90071
TEL. (909) 232-4679

LANDSCAPE ARCHITECT
MIG
360 EAST SECOND STREET
SUITE 675
LOS ANGELES, CA 90012
TEL. (213) 694-3800

TRANSPORTATION ENGINEER
FEHR AND PEERS
100 OCEANGATE
SUITE 1425
LONG BEACH, CA 90802
TEL. (562) 294-5848

LAND DEVELOPMENT DIVISION NOTES: WATER AUDIT NOTES:

THE CONTRACTOR WILL CONDUCT AN IRRIGATION AUDIT USING A CERTIFIED IRRIGATION AUDITOR, AFTER THE FINAL FIELD OBSERVATION HAS BEEN COMPLETED AND ALL IRRIGATION COMPONENTS ARE INSTALLED IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS AND THE IRRIGATION SYSTEM IS ACCEPTED BY THE PROJECT ARCHITECT FOR MAINTENANCE.

THE IRRIGATION AUDIT WILL BE CONDUCTED IN ACCORDANCE WITH THE FOLLOWING SCHEDULE:

1. PLACE FLAGS AT EACH HEAD IN THE ZONE
2. MEASURE SPACING AND MARK MID POINTS BETWEEN HEADS.
3. PLACE WATER MEASURING RECEPTACLES.
4. TAKE READINGS OF WATER LEVEL IN RECEPTACLES AND RECORD RESULTS.
5. MEASURE HEAD PRESSURE IN EACH ZONE AND RECORD RESULTS.
6. AFTER COMPLETING ZONE ADVANCE TO NEXT ZONE AND REPEAT PROCEDURE.
7. SUBMIT THE RESULTS OF THE AUDIT TO THE PROJECT ARCHITECT.

MAINTENANCE TASK

CONTROLLER CABINET – OPEN CABINET AND CLEAN OUT DEBRIS AND REPLACE BATTERY AS NECESSARY. CHECK WIRING AND REPAIR AS NEEDED AND CHECK CLOCK AND RESET IF NECESSARY.
FREQUENT: QUARTERLY

IRRIGATION SCHEDULE – ADJUST SCHEDULE FOR SEASONAL VARIATIONS AND OTHER CONDITIONS WHICH MAY AFFECT THE AMOUNT OF WATER NEEDED TO MAINTAIN PLANT HEALTH ADJUST AS NECESSARY.
FREQUENT: MONTHLY

POC – VISUALLY INSPECT COMPONENTS FOR LEAKS, PRESSURE SETTINGS, SETTLEMENT OR OTHER DAMAGE AFFECTING THE OPERATION OF A COMPONENT. REPAIR AS NEEDED.
FREQUENT: QUARTERLY

REMOTE CONTROL VALVES, ISOLATION VALVES AND QUICK COUPLER VALVES – VISUALLY INSPECT FOR LEAKS, SETTLEMENT, WIRE CONNECTIONS AND PRESSURE SETTINGS. REPAIR OR ADJUST AS NEEDED.
FREQUENT: QUARTERLY

MAINLINE & LATERALS – VISUALLY INSPECT FOR LEAKS OR SETTLEMENT OF TRENCH.
FREQUENT: QUARTERLY

SPRINKLERS – VISUALLY CHECK FOR ANY BROKEN MISSIGNED OR CLOGGED HEADS, HEADS WITH INCORRECT ARC, INADEQUATE COVERAGE OR OVERSPRAY AND LOW HEAD DRAINAGE. REPAIR AS NEEDED.
FREQUENT: WEEKLY

FILTERS AND STRAINERS – VISUALLY CHECK FOR LEAKS, BROKEN FITTING, CLEAN AND FLUSH SCREENS.

AUDIT SHALL BE IN ACCORDANCE WITH THE LATEST STATE OF CALIFORNIA LANDSCAPE WATER MANAGEMENT PROGRAM AS DESCRIBED IN THE LATEST LANDSCAPE IRRIGATION AUDITOR HANDBOOK. THE LANDSCAPE IRRIGATION AUDITS TO BE CONDUCTED BY A QUALIFIED INDIVIDUAL AND THE AUDIT SCHEDULE SHALL BE CONDUCTED AT LEAST ONCE EVERY FIVE YEARS IN ACCORDANCE WITH THE REQUIREMENTS OF TITLE 20, DIVISION 1 OF THE LOS ANGELES COUNTY CODE.

LAND DEVELOPMENT DIVISION NOTES: IRRIGATION AUDIT SCHEDULE

A SCHEDULE OF LANDSCAPE IRRIGATION AUDITS OF AT LEAST ONCE EVERY FIVE YEARS MUST BE ESTABLISHED, FOR ALL BUT SINGLE-FAMILY RESIDENCES, AND OTHER PROJECTS WITH A LANDSCAPE AREAS LESS THAN 1 ACRE. AS REQUIRED IN CHAPTER 20.09 IN TITLE 20 (UTILITIES CODE), AN AUDIT SATISFYING THE FOLLOWING CONDITIONS SHALL BE SUBMITTED TO THE COUNTY AS PART OF THE LANDSCAPE DOCUMENTATION PACKAGE.

AT A MINIMUM, AUDITS SHALL BE IN ACCORDANCE WITH THE LATEST STATE OF CALIFORNIA LANDSCAPE WATER MANAGEMENT PROGRAM AS DESCRIBED IN THE LATEST LANDSCAPE IRRIGATION AUDITOR HANDBOOK, PREPARED FOR THE DEPARTMENT OF WATER RESOURCES, WATER CONSERVATION OFFICE, THE ENTIRE DOCUMENT, WHICH IS HEREBY INCORPORATED BY REFERENCE.

THE SCHEDULE SHALL PROVIDE FOR LANDSCAPE IRRIGATION AUDITS TO BE CONDUCTED BY A QUALIFIED INDIVIDUAL AS DETERMINED BY THE DIRECTOR AT LEAST ONCE EVERY FIVE YEARS IN ACCORDANCE WITH THE REQUIREMENTS OF TITLE 20, DIVISION 1 OF THE LOS ANGELES COUNTY CODE.

MWELO NOTES:

1. I HAVE COMPLIED WITH THE CRITERIA OF THE ORDINANCE AND APPLIED THEM FOR THE EFFICIENT USE OF WATER IN THE LANDSCAPE DESIGN PLANS.
2. A DIAGRAM OF THE IRRIGATION PLAN SHOWING HYDROZONES SHALL BE KEPT WITH THE IRRIGATION CONTROLLER FOR SUBSEQUENT MANAGEMENT PURPOSES.
3. A CERTIFICATE OF COMPLETION SHALL BE FILLED OUT AND CERTIFIED BY EITHER THE DESIGNER OF THE LANDSCAPE PLANS, IRRIGATION PLANS, OR THE LICENSED LANDSCAPE CONTRACTOR FOR THE PROJECT.

LAND DEVELOPMENT DIVISION NOTES:

1. STREET TREES WITHIN PUBLIC RIGHT-OF-WAY ARE TO BE PLANTED APPROVED STREET IMPROVEMENT PLANS.
2. ALL HARDSCAPE, RETAINING WALLS, SWIMMING POOLS AND/OR BLOCK WALLS MUST BE REVIEWED AND APPROVED UNDER A SEPARATE PERMIT.
3. TREE CANOPIES ARE SHOWN AT FULL MATURITY.
4. WATER PURVEYOR:
   GOLDEN STATE WATER
   1600 WEST REDONDO BEACH BLVD SUITE #101
   GARDENA, CALIFORNIA 90247
   T: 310-767-8022
5. LANDSCAPE MAINTENANCE:
   LA COUNTY DEPARTMENT OF PARKS AND RECREATION – SOUTH AGENCY
   T: 310-965-8602
6. CONTRACTOR TO PROTECT AND PRESERVE IN PLACE ALL EXISTING SURVEY MONUMENTS. ANY MONUMENTS DISTURBED SHALL BE RESET BY A LICENSED LAND SURVEYOR AND THE APPROPRIATE CORNER RECORD MUST BE FILED WITH THE COUNTY OF LOS ANGELES.

LAND DEVELOPMENT DIVISION NOTES: MAINTENANCE SCHEDULE

A REGULAR SCHEDULE SATISFYING THE FOLLOWING CONDITIONS SHALL BE SUBMITTED AS PART OF THE LANDSCAPE DOCUMENTATION PACKAGE.

LANDSCAPES SHALL BE MAINTAINED TO ENSURE WATER EFFICIENCY. A REGULAR MAINTENANCE SCHEDULE SHALL INCLUDE, BUT NOT LIMITED TO, CHECKING, ADJUSTING, AND REPAIRING IRRIGATION EQUIPMENT; RESETTING THE AUTOMATIC CONTROLLER; AERATING AND DETHATCHING TURF AREAS; REPLENISH MULCH; FERTILIZING; PRUNING AND WEEDING IN ALL LANDSCAPE AREAS.

WHENEVER POSSIBLE, REPAIR OF IRRIGATION EQUIPMENT SHALL BE DONE WITH THE ORIGINALLY SPECIFIED MATERIALS OR THEIR EQUIVALENTS.

A LANDSCAPE IRRIGATION AUDIT SCHEDULE AS REQUIRED IN CHAPTER 20.09 OF TITLE 20 MAY BE RECOMMENDED. THE MAXIMUM PERIOD BETWEEN AUDITS SHALL BE FIVE YEARS.

I AGREE TO COMPLY WITH THE REQUIREMENTS OF THE WATER EFFICIENT LANDSCAPE ORDINANCE AND SUBMIT A COMPLETE LANDSCAPE DOCUMENTATION PACKAGE

SIGNATURE: DATE: 5/12/26

GENERAL INFORMATION

PROJECT SCOPE
THE PROJECT IS LOCATED AT 12416 AVALON BLVD., LOS ANGELES, CALIFORNIA 90061 ON APPROXIMATELY 12 ACRES AT THE WEST SIDE OF THE EARVIN "MAGIC" JOHNSON RECREATION AREA. THE SCOPE OF WORK IS TO PREPARE THE SITE (MAKE READY WORK) FOR A FUTURE BUILDING. SCOPE INCLUDES:

DEMOLITION OF EXISTING PARKING LOT AND CONCRETE WALKWAYS.
REMOVE EXISTING DRIVEWAY.
CLEARING OF EXISTING SITE INCLUDING REMOVAL OF TREES,
NEW EMPLOYEE AND VISITORS PARKING LOT
NEW RETAINING WALL
NEW DRIVEWAYS
RELOCATE PEDESTRIAN PARK WALKWAY
LANDSCAPE & IRRIGATION
PARKING LOT SOLAR LIGHTING
TRAFFIC LIGHT MODIFICATION
OFF-SITE IMPROVEMENTS
RELOCATE UTILITY LINES

FUTURE BUILDING
NOT A PART OF THE PROJECT SCOPE

APPLICABLE CODES AND STANDARDS
2022 CALIFORNIA STANDARD BUILDING CODE
2022 CALIFORNIA ELECTRICAL CODE
2022 CALIFORNIA FIRE CODE
2023 LOS ANGELES BUILDING CODE
2010 AMERICANS WITH DISABILITIES ACT (ADA) TITLE II

OWNER
LOS ANGELES COUNTY PUBLIC WORKS

PROJECT ADDRESS
12416 AVALON BLVD.,
LOS ANGELES, CA 90061

PARCEL/ASSESSOR'S ID NO.
6086-031-914
6086-031-915

TOTAL LANDSCAPED AREA: 173,251 S.F.

AVAILABLE WATER PRESSURE AT
IRRIGATION POINT OF CONNECTION: 100 PSI

LANDSCAPE DRAWING INDEX:

SHEET	SHEET TITLE
L0.01	LANDSCAPE COVER SHEET
L0.01	LANDSCAPE INDEX, SCHEDULE, AND NOTES
L0.02	SOIL MANAGEMENT REPORT
L0.10	OVERALL LANDSCAPE PLAN
L0.40	TREE DISPOSITION NOTES
L0.41	TREE DISPOSITION PLAN
L0.42	TREE DISPOSITION PLAN
L1.11	LANDSCAPE CONSTRUCTION PLAN
L1.12	LANDSCAPE CONSTRUCTION PLAN
L1.51	LANDSCAPE CONSTRUCTION DETAILS
L2.00	LANDSCAPE IRRIGATION LEGEND AND NOTES
L2.11	LANDSCAPE IRRIGATION PLAN
L2.12	LANDSCAPE IRRIGATION PLAN
L2.13	LANDSCAPE IRRIGATION PLAN
L2.51	LANDSCAPE IRRIGATION DETAILS
L3.00	LANDSCAPE PLANTING LEGEND AND NOTES
L3.11	LANDSCAPE PLANTING PLAN
L3.12	LANDSCAPE PLANTING PLAN
L3.13	LANDSCAPE PLANTING PLAN
L3.20	LANDSCAPE TREE SHADE PLAN - PARKING LOTS
L3.51	LANDSCAPE PLANTING DETAILS

PAUL MURDOCH ARCHITECTS
6310 SAN VICENTE BLVD SUITE 400
LOS ANGELES, CALIFORNIA 90048
310 358-0993

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LICENSED LANDSCAPE ARCHITECT
SUSAN R. MATHER NO. 3117
2/29/28
Renewal Date
06/01/26
Date
STATE OF CALIFORNIA

MIG
360 East Second Street
Suite 675
Los Angeles, CA 90012

213-694-3800
www.migcom.com

NO.	DATE	REVISION

MAGIC JOHNSON PARK
MAKE READY &
PARKING PROJECT

12416 AVALON BLVD.
LOS ANGELES, CA 90061

PMA PROJECT NO.
21023.01

DRAWING TITLE
LANDSCAPE COVER SHEET

SCALE
AS INDICATED

DATE
06/01/2026

DRAWN: WC
CHECKED: WC, EM

SHEET NO.
L0.00

Plotted by: wchan May. 12, 2026 10:04 AM C:\Users\wchan\appdata\local\temp\AcPublish_9360\124010_L000.dwg

CONSTRUCTION NOTES:

1. WRITTEN SPECIFICATIONS ARE A PART OF THESE CONSTRUCTION DOCUMENTS. DRAWINGS DO NOT CONTAIN ALL INFORMATION NECESSARY FOR CONSTRUCTION.
2. VERIFY LIMITS OF WORK, PROPERTY LINES AND LOTS LINES BEFORE STARTING WORK.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REVIEW AND COORDINATION OF ALL DRAWINGS AND SPECIFICATIONS PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES FOUND SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE PRIOR TO THE START OF CONSTRUCTION SO THAT A CLARIFICATION CAN BE ISSUED.
4. PRIOR TO BEGINNING OF WORK, VERIFY ALL SITE CONDITIONS INCLUDING UNDERGROUND UTILITIES AND ABOVE GRADE FEATURES SUCH AS GRADING, WALLS, FENCES, LIGHTING, OR OTHER STRUCTURES. CONTRACTOR TO NOTIFY OWNER'S REPRESENTATIVE IMMEDIATELY IF ANY ERRORS OR DISCREPANCIES FROM THESE PLANS ARE FOUND, BEFORE PROCEEDING WITH ANY WORK.
5. DO NOT WILLFULLY PROCEED WITH CONSTRUCTION OPERATIONS WHEN IT IS OBVIOUS THAT OBSTRUCTIONS AND/OR GRADE DIFFERENCES EXIST THAT MAY NOT HAVE BEEN APPARENT DURING THE DESIGN PROCESS. BRING THESE CONDITIONS IMMEDIATELY TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE FOR RESOLUTION. CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR COSTS INCURRED AND REQUIRED DUE TO LACK OF PROVIDING SUCH NOTIFICATION.
6. CONTRACTOR SHALL VERIFY THE LOCATION OF ALL SERVICE RUNS, SUCH AS WATER SUPPLY, ELECTRICAL (OVERHEAD AND UNDERGROUND), TELEPHONE, SANITARY SEWER, ETC. SHOULD BE ASCERTAINED BEFORE WORK IS STARTED, WHERE THEY WILL BE AFFECTED BY EXCAVATION OR WHERE MACHINES MAY BE WORKING NEARBY, THEY SHOULD BE CAREFULLY SEALED, PROTECTED OR DIVERTED. NOTIFY LANDSCAPE ARCHITECT AND CIVIL ENGINEER OF ANY CONFLICT WITH PROPOSED IMPROVEMENTS. CONTRACTOR SHALL BE RESPONSIBLE FOR COSTS INCURRED DUE TO DAMAGE AND REPLACEMENT OF SAID UTILITIES.
7. WHERE CONFLICTS OCCUR BETWEEN DRAWINGS AND ACTUAL FIELD CONDITION, NOTIFY OWNER'S REPRESENTATIVE BEFORE PROCEEDING WITH THE WORK.
8. CONTRACTOR SHALL BE HELD RESPONSIBLE FOR DAMAGE TO EXISTING CONDITIONS TO REMAIN (ON- OR OFF-SITE) RESULTING FROM OR RELATED TO THE WORK OF THIS PROJECT.
9. ALL WORK SHALL COMPLY WITH APPLICABLE CODES, STATUTES AND ORDINANCES.
10. COORDINATE CONDUIT, SLEEVES AND EMBEDMENTS PRIOR TO ANY HARDSCAPE CONSTRUCTION.
11. DIMENSIONS ARE FROM FACE OF, OR OUTSIDE OF PAVING, WALLS, ETC., UNLESS OTHERWISE NOTED.
12. LOCATIONS OF FEATURES NOT SPECIFICALLY DIMENSIONED MAY BE DETERMINED BY SCALE. CONTACT OWNER'S REPRESENTATIVE WHERE CONFLICT OCCURS. WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALING OF DRAWINGS.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SHORING AND BRACING REQUIRED TO PROTECT PERSONNEL AND ADJACENT PROPERTY DURING CONSTRUCTION. THE CONTRACTOR SHALL ADEQUATELY BRACE ELEMENTS OF THE STRUCTURE DURING CONSTRUCTION TO ENSURE THE SAFETY OF THE SITE AND/OR STRUCTURES.
14. THERE SHALL BE NO DEVIATIONS FROM STRUCTURAL DETAILS WITHOUT THE WRITTEN APPROVAL OF THE STRUCTURAL ENGINEER.
15. NO STRUCTURAL MEMBER SHALL BE CUT, NOTCHED, BORED OR OTHERWISE WEAKENED, EXCEPT AS ALLOWED BY THE UNIFORM BUILDING CODE.
16. CONTRACTOR SHALL SUBMIT COPIES OF ALL SHOP DRAWINGS TO OWNER'S REPRESENTATIVE PRIOR TO CONSTRUCTION OF RELATED WORK, AND ALLOW AMPLE TIME FOR OWNER'S REPRESENTATIVE'S REVIEW AND COORDINATION.
17. THE CONTRACTOR SHALL CAREFULLY STUDY AND COMPARE THE CONTRACT DOCUMENTS WITH EACH OTHER FOR INFORMATION FURNISHED BY THE OWNER AND SHALL IMMEDIATELY REPORT ERRORS, INCONSISTENCIES, OR OMISSIONS DISCOVERED TO THE OWNER'S REPRESENTATIVE. THE CONTRACTOR SHALL BE LIABLE FOR DAMAGE RESULTING FROM ERRORS, INCONSISTENCIES, OR OMISSIONS IN THE CONTRACT DOCUMENTS IF THE CONTRACTOR FAILED TO REPORT IT TO THE OWNER'S REPRESENTATIVE. IF THE CONTRACTOR PERFORMS ANY CONSTRUCTION ACTIVITY DESPITE RECOGNITION OF SUCH AN ERROR, INCONSISTENCY OR OMISSION IN THE CONTRACT DOCUMENTS WITHOUT SUCH NOTICE TO THE LANDSCAPE ARCHITECT, THE CONTRACTOR SHALL ASSUME APPROPRIATE RESPONSIBILITY FOR SUCH PERFORMANCE AND SHALL BEAR PROPORTIONAL COSTS FOR CORRECTION.
18. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK, USING THE CONTRACTOR'S BEST SKILL AND ATTENTION. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR AND HAVE CONTROL OVER CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES, AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
19. TRANSITIONS FROM EXISTING PAVING TO NEW PAVING SHALL BE FLUSH.
20. CONCRETE SHALL SLOPE FROM FOUNDATIONS TOWARDS DRAIN INLETS AND DRAINAGE SWALES. INSTALL CONCRETE FORMS WITH LONG, SMOOTH GRADIENTS TO ELIMINATE DIPS, RIDGES, ABRUPT CHANGES OF GRADE AND SHARP TRANSITIONS.
21. CONTRACTOR SHALL NOTIFY OWNER'S REPRESENTATIVE WITHIN (4) WORKING DAYS PRIOR TO A CONTRACTOR-REQUESTED SITE MEETING. FAILURE TO PROVIDE APPROPRIATE LEAD TIME MAY RESULT IN CONTRACTOR BEING BACK-CHARGED FOR OWNER'S REPRESENTATIVE'S TIME.
22. ALL PATHWAYS SHALL HAVE A MAXIMUM SLOPE OF 5% IN THE DIRECTION OF TRAVEL AND A MAXIMUM CROSS-SLOPE OF 2%. SEE CIVIL PLANS FOR GRADING AND DRAINAGE.

811 Know what's **below.** **Call** before you dig.

LANDSCAPE CONSTRUCTION SCHEDULE:

KEY	ITEM / DESCRIPTION	COLOR / SRI	FINISH	SUPPLIER	COMMENTS
L-01	PARCOURSE EQUIPMENT: "CORE LINE CARDIO STEPPER"	"GREEN"	POWDERCOATED	GREENFIELDS 888-315-9037 OR APPROVED EQUAL	SEE DETAIL 1/L1.51.
L-02	PARCOURSE EQUIPMENT: "CORE LINE ACCESSIBLE CHEST PRESS"	"GREEN"	POWDERCOATED	GREENFIELDS OR 888-315-9037 APPROVED EQUAL	SEE DETAIL 2/L1.51.
L-03	PARCOURSE EQUIPMENT: "CORE LINE PLYTOMETRIC STEPS"	"GREEN"	POWDERCOATED	GREENFIELDS OR 888-315-9037 APPROVED EQUAL	SEE DETAIL 3/L1.51.
L-04	PARCOURSE EQUIPMENT: "CORE LINE 2-PERSON BACK & ARMS COMBO	"GREEN"	POWDERCOATED	GREENFIELDS OR 888-315-9037 APPROVED EQUAL	SEE DETAIL 7/L1.51.
L-05	PARCOURSE EQUIPMENT: "CORE LINE 3-PERSON STATIC COMBO"	"GREEN"	POWDERCOATED	GREENFIELDS OR 888-315-9037 APPROVED EQUAL	SEE DETAIL 7/L1.51.
L-06	PARK BENCH QCP-CONCRETE PRECAST BENCH WO# 136261 ITEM 1	"C-NATURAL"	CONCRETE, T-CRAFTSMAN ETCH, SEALER.	CONTACT: QCP JUSTIN WAIT, 951-737-6240	SEE DETAIL 6/L1.51.

CONSTRUCTION SYMBOLS:

ALIGN

CONSTRUCT — X

ELEMENT KEY — L-XX

DETAIL — X / LX.XX — DETAIL # / SHEET #

ELEVATION — X / LX.XX — DIRECTION / ELEVATION # / SHEET #

SECTION — X / LX.XX — SECTION # / SHEET #

ABBREVIATIONS:

⌒	ALIGN
ABS	ACRYLONITRILE BUTADIENE STYRENE
<	LESS THAN
>	GREATER THAN
AD	AREA DRAIN
ADJ	ADJACENT
AFG	ABOVE FINISH GRADE
ALT	ALTERNATE ANGLE
APPROX	APPROXIMATE
AC	ASPHALT CONCRETE
ARCH	ARCHITECT
ASTM	AMERICAN SOCIETY FOR TESTING MATERIALS
@	AT
BC	BEGINNING OF CURVE
BFP	BACKFLOW PREVENTION UNIT
BM	BENCH MARK
BS	BOTTOM OF STEP
BTH	BROWN TRUNK HEIGHT
BW	BOTTOM OF WALL
B/W	BOTH WAYS
CB	CATCH BASIN
CE	CIVIL ENGINEER
CL	CENTER LINE
CC	CENTER TO CENTER
CJ	CONTROL JOINT
CLF	CHAIN LINK FENCE
CLR	CLEAR
CO	CLEAN OUT
CONC	CONCRETE
CONST	CONSTRUCT
CONT	CONTINUOUS
CF	CUBIC FOOT
CSP	CORRUGATED STEEL PIPE
CY	CUBIC YARD
DF	DRINKING FOUNTAIN
DG	DECOMPOSED GRANITE
DET	DETAIL
DIA or Ø	DIAMETER
DRP	DEPT. OF RECREATION & PARKS
EA	EACH
EC	END OF CURVE
EE	ELECTRICAL ENGINEER
EJ	EXPANSION JOINT
ELEV	ELEVATION
EQ	EQUAL
EW	EACH WAY
EX	EXISTING
FB	FIELD BOOK
FL	FLOWLINE
FF	FINISH FLOOR
FG	FINISH GRADE (AT SOIL)
FH	FIRE HYDRANT
FIN	FINISH
FS	FINISH SURFACE (AT HARDSCAPE)
FOC	FACE OF CURB
FOW	FACE OF WALL
FT	FEET
GA	GAUGE
GALV	GALVANIZED
GPM	GALLONS PER MINUTE
HORIZ	HORIZONTAL
	LOCATION OF COMPACTION TEST, AS INDICATED ON THE PLAN
ID	INSIDE DIAMETER
INV	INVERT ELEVATION
IN	INCH
JOIN	MATCH EX ADJACENT GRADE BOTH HORIZ & VERT
JT	JOINT
LB or #	POUND
LF	LINEAL FEET
MAX	MAXIMUM
ME	MECHANICAL ENGINEER
MFG	MANUFACTURER
MH	MAINTENANCE HOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
NIC	NOT IN CONTRACT
NO	NUMBER
NTC	NOTICE TO CONTRACTORS
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
PA	PLANTING AREA
PB	PULL BOX
PL	PROPERTY LINE
POC	POINT OF CONNECTION
POD	POINT OF DIMENSION
PP	POWER POLE
PRC	POINT OF REVERSE CURVE
PSI	POUNDS PER SQUARE INCH
PVC	POLYVINYL CHLORIDE
QCV	QUICK COUPLER VALVE
R	RADIUS
RCP	REINFORCED CONCRETE
RCV	REMOTE CONTROL VALVE
REBAR	REINFORCING BAR
ROW	RIGHT OF WAY
RPB	REDUCED PRESSURE BACKFLOW DEVICE
SD	STORM DRAIN
SE	STRUCTURAL ENGINEER
SHT	SHEET
SL	STREET LIGHT
SPEC	SPECIFICATIONS
SS	SANITARY SEWER
S/S	STAINLESS STEEL
SSPWC	STANDARD SPECIFICATION FOR PUBLIC WORKS CONSTRUCTION
SF	SQUARE FEET
TC	TOP OF CURB
TB	TOP OF BENCH
TBR	TO BE REMOVED
TD	TOP DECKING
TG	TOP OF GRATE
TS	TOP OF STEP
TW	TOP OF WALL
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VERT	VERTICAL
W/	WITH
WM	WATER METER
WWM	WELDED WIRE MESH

PAUL MURDOCH ARCHITECTS

6310 SAN VICENTE BLVD SUITE 400
LOS ANGELES, CALIFORNIA 90048
310 358-0993

THE DRAWINGS AND SPECIFICATIONS AND IDEAS, DESIGN, AND ARRANGEMENTS REPRESENTED THEREBY ARE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT. AND NO PART THEREOF SHALL BE COPIED, DISCLOSED TO OTHERS, OR USED IN CONNECTION WITH ANY WORK OR PROJECT THAN THE SPECIFIC PROJECT FOR WHICH THEY HAVE BEEN PREPARED AND DEVELOPED WITHOUT THE WRITTEN CONSENT OF THE ARCHITECT. VISUAL CONTACT WITH THESE DRAWINGS OR SPECIFICATIONS SHALL CONSTITUTE CONCLUSIVE EVIDENCE OF ACCEPTANCE OF THESE RESTRICTIONS. WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB AND THIS OFFICE MUST BE NOTIFIED OF ANY VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN BY THESE DRAWINGS. SHOP DETAILS MUST BE SUBMITTED TO THIS OFFICE FOR REVIEW BEFORE PROCEEDING WITH FABRICATION

LICENSED LANDSCAPE ARCHITECT — GLENN R. MATHER NO. 5117 — 2/29/28 Renewal Date — 06/01/26 Date — STATE OF CALIFORNIA

Public Works — LOS ANGELES COUNTY

COUNTY OF LOS ANGELES — CALIFORNIA

MIG

360 East Second Street
Suite 675
Los Angeles, CA 90012

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NO.	DATE	REVISION

MAGIC JOHNSON PARK MAKE READY & PARKING PROJECT

12416 AVALON BLVD.
LOS ANGELES, CA 90061

PWA PROJECT NO.: 21023.01

DRAWING TITLE: LANDSCAPE INDEX, SCHEDULE, AND NOTES

SCALE: AS INDICATED

DATE: 06/01/2026

DRAWN: WC — CHECKED: WC, EM

SHEET NO.: L0.01

Plotted by: wchan May. 12, 2026 10:04 AM Z:\Shared\Los Angeles\Production\2024\124010\CAD\124010_L001.dwg

WALLACE LABS
365 Coral Circle
El Segundo, CA 90245
(310) 615-0116

SOILS REPORT
Print Date Mar. 17, 2017 Receive Date 3/16/17
Location Magic Johnson Park - Phase 1A
Requester Evan Mather, AHBE Landscape Architects
graphic interpretation: * very low, ** low, *** moderate
ammonium bicarbonate/DTPA * * * high, * * * * very high

extractable - mg/kg soil	Sample ID Number	17-76-07	17-76-08	17-76-09	17-76-10	17-76-11
Interpretation of data	Sample Description	B-1, 0-5'	B-2, 0-5'	B-3, 0-3'	B-4, 0-5'	B-5, 0-5'
low medium high	elements	graphic	graphic	graphic	graphic	graphic
0 - 7 8-15 over 15	phosphorus	3.82 **	9.47 ***	2.78 *	2.77 *	7.42 **
0-40 60 -120 121-180	potassium	95.12 ***	96.40 ***	93.08 ***	113.05 ***	71.56 ***
0 - 4 4 - 10 over 10	iron	20.01 *****	13.13 *****	30.85 *****	17.24 *****	60.24 *****
0- 0.5 0.6- 1 over 1	manganese	3.06 ****	2.41 ****	3.11 ****	3.65 ****	6.53 ****
0 - 1 1 - 1.5 over 1.5	zinc	0.85 **	0.64 *	0.80 **	0.69 **	6.67 *****
0- 0.2 0.3- 0.5 over 0.5	copper	2.61 ****	2.50 ****	2.63 ****	2.85 ****	12.25 *****
0- 0.2 0.2- 0.5 over 1	boron	0.40 ***	0.45 ***	0.40 ***	0.36 ***	0.75 ***
	calcium	270.21 ***	277.38 ***	232.27 ***	297.28 ***	300.20 ***
	magnesium	707.81 *****	784.76 *****	742.77 *****	814.88 *****	249.13 *****
	sodium	1,114.12 *****	1,582.51 *****	1,319.12 *****	1,407.96 *****	257.73 ****
	sulfur	293.56 ***	563.25 ****	1,050.40 *****	502.53 ****	23.40 **
	molybdenum	0.31 ****	0.19 ***	0.14 ****	0.16 ****	0.05 ***
	nickel	0.36 *	0.17 *	0.42 *	0.32 *	0.37 *
The following trace	aluminum	0.07 *	0.91 *	0.06 *	0.04 *	0.10 *
elements may be toxic	arsenic	0.03 *	0.10 *	0.12 *	0.07 *	0.15 *
The degree of toxicity	barium	0.55 *	0.60 *	0.37 *	0.61 *	0.92 *
depends upon the pH of	cadmium	0.04 *	0.03 *	0.03 *	0.02 *	0.04 *
the soil, soil texture,	chromium	n d *	n d *	n d *	n d *	0.05 *
organic matter, and the	cobalt	0.04 *	0.01 *	0.06 *	0.06 *	0.06 *
concentrations of the	lead	1.70 **	1.00 *	1.35 **	2.01 **	2.48 **
individual elements as	lithium	0.03 *	0.06 *	0.05 *	0.07 *	0.02 *
well as to their interactions.	mercury	0.01 *	0.02 *	0.02 *	0.01 *	0.02 *
	selenium	n d *	n d *	n d *	n d *	n d *
The pH optimum depends	silver	n d *	n d *	n d *	n d *	n d *
upon soil organic	strontium	2.95 *	2.72 *	2.58 *	3.26 *	2.52 *
matter and clay content-	tin	0.02 *	0.02 *	n d *	n d *	0.02 *
for clay and loam soils:	vanadium	0.71 *	0.88 *	0.85 *	0.78 *	1.18 **
under 5.2 is too acidic						
6.5 to 7 is ideal	**Saturation Extract**					
over 9 is too alkaline	**pH value**	7.76 ****	7.55 ****	7.74 ****	7.61 ****	7.90 ****
The EC is a measure of	**EC (milli-mho/cm)**	2.76 ****	6.24 *****	5.46 *****	4.40 *****	1.21 ***
the soil salinity:		milleq/l	milleq/l	milleq/l		milleq/l
1-2 affects a few plants	calcium	110.9 5.5	363.2 18.2	379.1 19.0	217.3 10.9	66.4 3.3
2-4 affects some plants,	magnesium	58.1 4.8	144.8 12.0	158.4 13.1	100.0 9.0	21.1 1.7
> 4 affects many plants.	sodium	503.1 21.9	945.4 41.1	875.3 38.1	734.3 31.9	171.0 7.4
	potassium	1.6 0.0	2.3 0.1	3.3 0.1	2.5 0.1	3.0 0.1
	cation sum	32.3	71.3	70.2	51.9	12.6
problems over 150 ppm	chloride	188 5.3	1,121 31.6	207 5.8	415 11.7	67 1.9
good 20 - 30 ppm	nitrate as N	3 0.2	10 0.7	4 0.3	1 0.1	0.3
	phosphorus as P	0.1 0.0	0.2 0.0	0.2 0.0	0.2 0.0	0.0
toxic over 800	sulfate as S	334.2 20.9	621.2 38.8	914.3 57.1	561.6 35.1	135.2 8.5
	anion sum	26.4	73.1	63.2	46.9	10.7
toxic over 1 for many plants	boron as B	0.22 **	0.26 **	0.20 **	0.25 **	0.17 *
Increasing problems start at 3	**SAR**	9.6 *****	10.6 *****	9.5 *****	10.1 *****	4.7 ***
est. gypsum requirement-lbs/1,000 square feet		340	446	387	426	44
calculated infiltration rate inches/hour		0.13	0.16	0.26	0.13	1.38
soil texture		clay loam gravel > 2 mm	clay loam gravel > 2 mm	loam gravel > 2 mm	clay loam gravel > 2 mm	sandy loam gravel > 2 mm
sand		34.1% 1.1%	36.2% 0.1%	40.9% 0.6%	38.8% 0.8%	69.9% 12.9%
silt		34.7%	34.0%	32.9%	29.2%	18.7%
clay		31.1%	29.8%	26.2%	31.9%	11.5%
lime (calcium carbonate)		low	low	yes	low	yes
Total nitrogen		0.034%	0.036%	0.071%	0.052%	0.034%
Total organic carbon		0.308%	0.330%	0.571%	0.406%	0.562%
carbon:nitrogen ratio		9.2	9.1	8.0	12.6	16.6
organic matter based on carbon		0.62%	0.66%	1.14%	0.81%	1.12%
moisture content of soil		2.4%	2.8%	2.7%	2.6%	1.1%
half saturation percentage		30.7%	31.7%	31.1%	32.1%	16.5%

Elements are expressed as mg/kg dry soil or mg/l for saturation extract.
pH and ECe are measured in a saturation paste extract. nd means not detected.
Analytical data determined on soil fraction passing a 2 mm sieve.

WALLACE LABS
365 Coral Circle
El Segundo, CA 90245
(310) 615-0116

SOILS REPORT
Print Date Mar. 17, 2017 Receive Date 3/16/17
Location Magic Johnson Park - Phase 1A
Requester Evan Mather, AHBE Landscape Architects
graphic interpretation: * very low, ** low, *** moderate
ammonium bicarbonate/DTPA * * * high, * * * * very high

extractable - mg/kg soil	Sample ID Number	17-76-12	17-76-13	17-76-14	17-76-15	17-76-16
Interpretation of data	Sample Description	B-6, 0-5'	B-7, 0-5'	B-8, 0-5'	B-9, 0-5'	B-10, 0-5'
low medium high	elements	graphic	graphic	graphic	graphic	graphic
0 - 7 8-15 over 15	phosphorus	8.08 ***	6.47 **	12.36 ****	1.46 **	2.40 *
0-40 60 -120 121-180	potassium	139.64 ****	109.05 ***	109.79 ***	101.21 ***	96.11 ***
0 - 4 4 - 10 over 10	iron	67.60 *****	28.47 *****	39.17 *****	17.73 *****	18.24 *****
0- 0.5 0.6- 1 over 1	manganese	7.71 ****	10.32 *****	8.13 ****	1.86 ****	3.73 ****
0 - 1 1 - 1.5 over 1.5	zinc	4.59 ****	2.12 ****	4.85 ****	1.41 ***	1.33 ***
0- 0.2 0.3- 0.5 over 0.5	copper	11.01 *****	5.02 *****	6.42 *****	2.10 ****	2.78 ****
0- 0.2 0.2- 0.5 over 1	boron	0.31 ***	0.32 ***	0.35 ***	0.56 ***	0.35 ***
	calcium	249.62 ***	309.51 ***	282.93 ***	318.34 ***	296.82 ***
	magnesium	498.19 *****	726.29 *****	532.03 *****	798.91 *****	805.78 *****
	sodium	528.14 *****	950.06 *****	689.50 *****	391.41 *****	949.83 *****
	sulfur	103.12 **	423.61 ****	430.03 ****	37.55 **	166.95 ***
	molybdenum	0.15 ****	0.11 ****	0.11 ****	0.04 ***	0.06 ***
	nickel	1.25 **	1.24 **	1.30 **	0.70 *	0.84 *
The following trace	aluminum	0.14 *	0.07 *	0.07 *	0.08 *	0.03 *
elements may be toxic	arsenic	0.27 *	0.19 *	0.18 *	0.08 *	0.12 *
The degree of toxicity	barium	0.61 *	0.33 *	0.35 *	0.64 *	0.34 *
depends upon the pH of	cadmium	0.10 *	0.18 *	0.19 *	0.04 *	0.06 *
the soil, soil texture,	chromium	0.05 *	0.03 *	0.04 *	n d *	n d *
organic matter, and the	cobalt	0.08 *	0.10 *	0.07 *	0.01 *	0.04 *
concentrations of the	lead	5.63 ***	2.72 **	4.43 **	1.45 *	2.07 **
individual elements as	lithium	0.04 *	0.05 *	0.04 *	0.03 *	0.05 *
well as to their interactions.	mercury	n d *	n d *	n d *	n d *	n d *
	selenium	n d *	n d *	n d *	n d *	n d *
The pH optimum depends	silver	n d *	n d *	n d *	n d *	n d *
upon soil organic	strontium	2.28 *	2.84 *	2.10 *	3.31 *	3.11 *
matter and clay content-	tin	n d *	0.02 *	0.05 *	0.01 *	0.02 *
for clay and loam soils:	vanadium	1.10 **	0.87 *	1.01 **	0.56 *	0.84 *
under 5.2 is too acidic						
6.5 to 7 is ideal	**Saturation Extract**					
over 9 is too alkaline	**pH value**	7.74 ****	7.34 ***	7.51 ****	7.70 ****	7.72 ****
The EC is a measure of	**EC (milli-mho/cm)**	1.37 ***	3.21 ****	3.82 ****	0.60 **	2.00 ****
the soil salinity:		milleq/l	milleq/l	milleq/l		milleq/l
1-2 affects a few plants	calcium	68.6 3.4	232.0 11.6	375.3 18.8	28.4 1.4	77.5 3.9
2-4 affects some plants,	magnesium	23.4 1.9	94.8 7.8	116.2 9.6	12.7 1.1	38.2 3.2
> 4 affects many plants.	sodium	226.4 9.8	492.7 21.4	514.2 22.4	76.5 3.3	389.2 16.9
	potassium	2.9 0.1	2.5 0.1	3.6 0.1	0.7 0.0	1.0 0.0
	cation sum	15.3	40.9	50.8	5.8	24.0
problems over 150 ppm	chloride	72 2.0	110 3.1	150 4.2	14 0.4	102 2.9
good 20 - 30 ppm	nitrate as N	1 0.4	9 0.6	7 0.5	2 0.1	8 0.6
	phosphorus as P	0.2 0.0	0.1 0.0	0.2 0.0	0.2 0.0	0.1 0.0
toxic over 800	sulfate as S	159.0 9.9	499.3 31.2	619.8 38.7	51.2 3.2	233.2 14.6
	anion sum	12.4	34.9	43.5	3.7	18.0
toxic over 1 for many plants	boron as B	0.20 **	0.22 **	0.31 **	0.25 **	0.27 **
Increasing problems start at 3	**SAR**	6.0 ****	6.9 ****	8.9 ***	3.0 **	9.0 *****
est. gypsum requirement-lbs/1,000 square feet		172	319	210	248	345
calculated infiltration rate inches/hour		0.21	0.19	0.34	0.15	0.11
soil texture		clay loam gravel > 2 mm	clay loam gravel > 2 mm	clay loam gravel > 2 mm	clay loam gravel > 2 mm	clay loam gravel > 2 mm
sand		40.0% 3.3%	33.6% 0.0%	38.1% 0.3%	35.3% 0.2%	31.2% 0.1%
silt		32.3%	33.2%	33.8%	33.2%	32.7%
clay		27.7%	33.2%	28.1%	31.5%	36.1%
lime (calcium carbonate)		yes	moderate	yes	yes	moderate
Total nitrogen		0.059%	0.067%	0.093%	0.068%	0.049%
Total organic carbon		1.087%	1.147%	1.502%	0.888%	0.735%
carbon:nitrogen ratio		18.4	17.1	16.2	13.1	15.1
organic matter based on carbon		2.17%	2.29%	3.00%	1.78%	1.47%
moisture content of soil		2.1%	2.8%	2.8%	3.0%	3.4%
half saturation percentage		26.0%	33.1%	30.7%	28.7%	33.7%

Elements are expressed as mg/kg dry soil or mg/l for saturation extract.
pH and ECe are measured in a saturation paste extract. nd means not detected.
Analytical data determined on soil fraction passing a 2 mm sieve.

Evan Mather, AHBE Landscape Architects **Magic Johnson Park - Phase 1A** **March 17, 2017**

sample ID description	pH	lime	salinity	chloride	nitrate	organic matter	texture	SAR	phosphorus	potassium	iron	manganese	zinc	copper	boron	magnesium	sodium	sulfur
17-76-07 B-1, 0-5'	7.76	low	2.76	188	3	0.62%	clay loam	9.6	3.8	95	20.69	3.06	0.85	2.61	0.40	708	1114	294
17-76-08 B-2, 0-5'	7.55	low	6.24	1121	10	0.66%	clay loam	10.6	3.5	96	13.13	2.41	0.44	2.00	0.35	785	1583	563
17-76-09 B-3, 0-3'	7.74	yes	5.46	207	4	1.14%	loam	9.5	2.8	93	30.85	3.11	0.60	2.85	0.40	744	1319	1050
17-76-10 B-4, 0-5'	7.61	low	4.40	415	1	0.81%	clay loam	10.1	2.8	113	17.24	3.65	0.69	1.84	0.36	815	1408	503
17-76-11 B-5, 0-5'	7.90	yes	1.21	67	5	1.12%	sandy loam	4.7	7.4	72	60.24	6.53	6.67	17.57	0.25	249	258	53
17-76-12 B-6, 0-3'	7.74	yes	1.37	72	5	2.17%	clay loam	6.0	8.1	140	67.60	7.71	4.59	11.01	0.31	498	528	103
17-76-13 B-7, 0-5'	7.34	slight	3.21	110	9	2.29%	clay loam	6.9	6.5	109	28.47	10.32	2.12	5.05	0.32	726	950	424
17-76-14 B-8, 0-5'	7.51	no	3.82	150	7	3.00%	clay loam	5.9	12.4	110	39.17	8.13	4.85	6.42	0.35	532	689	430
17-76-15 B-9, 0-5'	7.70	no	0.60	14	2	1.78%	clay loam	3.0	3.5	101	17.73	1.86	1.41	2.10	0.36	799	391	38
17-76-16 B-10, 0-5'	7.72	slight	2.00	102	8	1.47%	clay loam	9.0	2.4	96	18.24	3.73	1.33	2.78	0.35	806	950	167
average	7.66		3.11	245	5	1.51%	clay loam	7.5	5.3	103	31.34	5.05	2.35	5.42	0.34	666	919	362
maximum	7.90		6.24	1121	10	3.00%		10.6	12.4	140	67.60	10.32	6.67	17.57	0.40	815	1583	1050
minimum	7.34		0.60	14	1	0.62%		3.0	2.4	72	13.13	1.86	0.44	1.84	0.25	249	258	38
target	6.5-7.9	no	0.5-3	<150	20-30	3% - 5%	sandy loam	<3	12-20	120-180	4-15	0.6-3	1-3	0.2-3	0.2-0.5	25-100	<200	25-100

Ahbe Landscape Architects, March 20, 2017, page 5

400 parts per million in the saturation extract or to the tolerance level of the plant palette. Afterwards, apply ammonium sulfate (21-0-0) at 5 pounds per 1,000 square feet.

For site maintenance, apply ammonium sulfate (21-0-0) at 5 pounds per 1,000 square feet about once per quarter.

Correct iron deficiency as needed with BASF Sprint 138 Fe or other FeEDDHA chelated iron.

Monitor the site with periodic soil testing. Adjust the maintenance program as needed.

Sincerely,

Garn Wallace

Garn A. Wallace, Ph. D.
GAW:n

Soil Analyses Plant Analyses Water Analyses

Ahbe Landscape Architects, March 20, 2017, page 4

For the preparation on a volume basis, homogeneously blend the following materials into excavated soil. Rates are expressed per cubic yard. Remove clods, rocks, debris, foreign materials large 1/2 inch in diameter:

Potassium sulfate (0-0-50) – 1/3 pound
Triple superphosphate (0-45-0) – 1/4 pound
agricultural gypsum – 3 pounds
Organic soil amendment – about 15% by volume, sufficient for 4% to 6% soil organic matter on a dry weight basis

Organic soil amendment:

1. Humus material shall have an acid-soluble ash content of no less than 6% and no more than 20%. Organic matter shall be at least 50% on a dry weight basis.
2. The pH of the material shall be between 6 and 7.5.
3. The salt content shall be less than 10 millimho/cm @ 25° C. on a saturated paste extract.
4. Boron content of the saturated extract shall be less than 1.0 part per million.
5. Silicon content (acid-insoluble ash) shall be less than 50%.
6. Calcium carbonate shall not be present if to be applied on alkaline soils.
7. Types of acceptable products are composts, manures, mushroom composts, straw, alfalfa, peat mosses etc. low in salts, low in heavy metals, free from weed seeds, free of pathogens and other deleterious materials.
8. Composted wood products are conditionally acceptable [stable humus must be present]. Wood based products are not acceptable which are based on red wood or cedar.
9. Sludge-based materials are not acceptable.
10. Carbon:nitrogen ratio is less than 25:1.
11. The compost shall be aerobic without malodorous presence of decomposition products.
12. The maximum particle size shall be 0.5 inch, 80% or more shall pass a No. 4 screen for soil amending.
13. SAR (sodium adsorption ratio) less than 5.
14. Maturity and stability – Solvita 6 or higher.

Maximum total permissible pollutant concentrations in amendment in parts per million on a dry weight basis:

arsenic	20	copper	150	selenium	50
cadmium	15	lead	200	silver	10
chromium	300	mercury	10	vanadium	500
cobalt	50	molybdenum	20	zinc	300
		nickel	100		

Monitor the quality of the amended soils.

Leach the soils with elevated salinity, chloride and sodicity. Lower the salinity to less than 3 millimho/cm. Reduce the SAR to less than 3. Lower the chloride to less than about

Soil Analyses Plant Analyses Water Analyses

Ahbe Landscape Architects, March 20, 2017, page 3

Maintenance of physical properties, soil aggregation, soil aeration, reduction in erosion potential, sufficient hydraulic conductivity, etc.
Increases water availability
Provides for cation-exchange and base saturation
Supplies available nutrients

Water percolation

The estimated rate of water percolation for the average soil condition based on Soil Water Characteristics version 6.02.74 model developed by Keith Saxton of the USDA ranges from moderately slow at 0.28 inches per hour for normal soil compaction to very slow under 0.01 inches per hour for highly compacted soil. The model is based on the soil texture, percent gravel and percent soil organic matter.

Ideally, the rate of water percolation for good growth should be at least 1 inch per hour.

Fertility

Nitrogen is low. Phosphorus is low. Potassium is moderate. Iron and manganese are well supplied . Zinc is low for borings 1, 2, 3 and 4. Zinc is high in the others. Copper is high. Boron is moderate. Sulfur is moderate on average. Borings 2, 3, 4, 7 and 8 have high levels of sulfur.

Magnesium is high in the borings except for boring 5. High magnesium is undesirable. Magnesium limits the uptake of potassium and calcium. It acts like sodium and disperses soil crumbs. Periodic additions of gypsum can be made to reduce the effects of high magnesium.

Possible presence of hydrocarbons

Indicators of possible presence of reactive hydrocarbons such as high iron, manganese, vanadium, and aluminum or anaerobic soils were not observed.

Recommendations for soil amending for average conditions

General soil preparation on a square foot basis for a 6-inch lift. Broadcast the following materials uniformly and incorporate them homogeneously 6 inches deep. Remove clods, rocks, debris, foreign materials larger than 1/2 inch in diameter from the top 6 inches:

Potassium sulfate (0-0-50) – 8 pounds
Triple superphosphate (0-45-0) – 4 pounds
agricultural gypsum - 60 pounds
Organic soil amendment – about 3 cubic yards, sufficient for 4% to 6% soil organic matter on a dry weight basis

Soil Analyses Plant Analyses Water Analyses

WALLACE LABORATORIES, LLC
365 Coral Circle
El Segundo, CA 90245
phone (310) 615-0116 fax (310) 640-6863

March 20, 2017

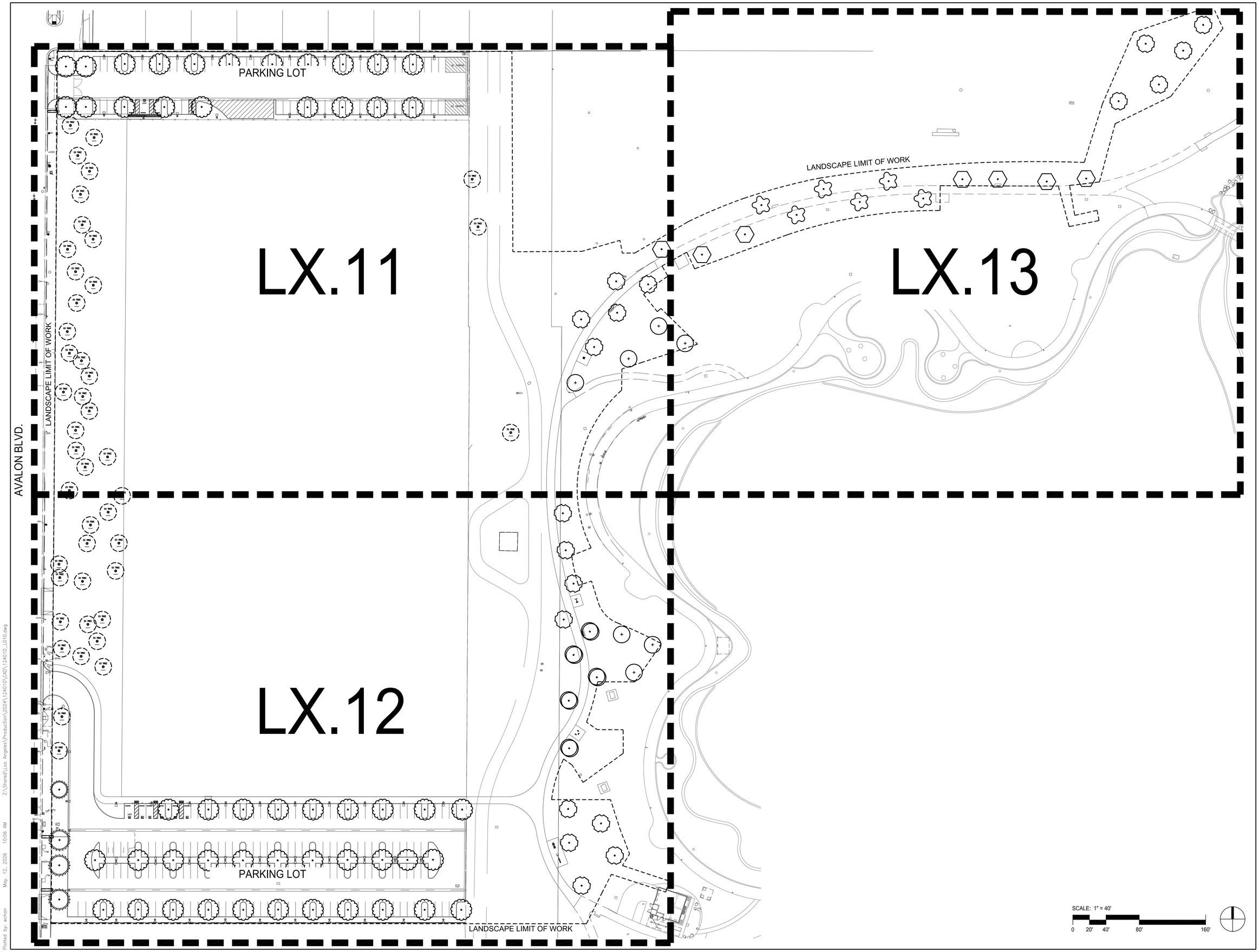
Gary Lai, glai@ahbe.com
Evan Mather, emather@ahbe.com
Wendy Chan, wchan@ahbe.com
Ahbe Landscape Architects
617 West Seventh Street, Suite 304
Los Angeles, CA 90017

RE: Earvin "Magic" Johnson Park - Phase 1A
Ten Soil Boring samples received from GPI on Marc h 16, 2017
Soil Sampling Depth - 0 to 5 feet

Dear Gary, Evan and Wendy,

Boring Locations

Start
Start
Start



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LICENSED LANDSCAPE ARCHITECT
EVAN R. MATHER NO. 5117
2/29/28
Renewal Date
06/01/26
Date
STATE OF CALIFORNIA

Public Works
LOS ANGELES COUNTY

COUNTY OF LOS ANGELES
CALIFORNIA

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360 East Second Street
Suite 675
Los Angeles, CA 90012

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NO.	DATE	REVISION

MAGIC JOHNSON PARK
MAKE READY &
PARKING PROJECT

12416 AVALON BLVD.
LOS ANGELES, CA 90061

PMA PROJECT NO.
21023.01

DRAWING TITLE
OVERALL LANDSCAPE PLAN

SCALE
AS INDICATED

DATE
06/01/2026

DRAWN: WC
CHECKED: WC, EM

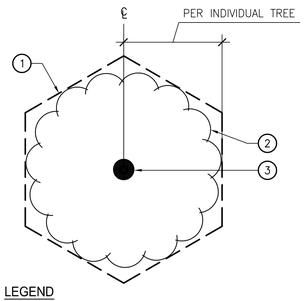
SHEET NO.
L0.10

TREE PROTECTION NOTES:

1. PROTECTION BARRIER: A PROTECTION BARRIER SHALL BE INSTALLED AROUND THE TREE (OR TREES) TO BE PRESERVED. THE BARRIER SHALL BE CONSTRUCTED OF DURABLE FENCING MATERIAL, SUCH AS PLASTIC CONSTRUCTION FENCING, OR CHAIN–LINK FENCING. THE BARRIER SHALL BE PLACED AS FAR FROM THE BASE OF THE TREE(S) AS POSSIBLE, PREFERABLY AT THE DRIP LINE. THE FENCING SHALL BE MAINTAINED IN GOOD REPAIR THROUGHOUT THE DURATION OF THE PROJECT, AND SHALL NOT BE REMOVED, RELOCATED, OR ENCROACHED UPON WITHOUT PERMISSION OF THE ARBORIST INVOLVED.
2. STORAGE OF MATERIALS: THERE SHALL BE NO STORAGE OF MATERIALS OR SUPPLIES OF ANY KINDS WITHIN THE AREA OF THE PROTECTION BARRIERS. CONCRETE AND CEMENT MATERIALS, BLOCK, STONE, SAND AND SOIL SHALL NOT BE PLACED WITHIN THE DRIPLINE OF THE TREE.
3. NO VEHICLE OR EQUIPMENT IS TO BE OPERATED OR PARKED UNDER A TREE, NOR ARE ANY MATERIALS TO BE STORED WITHIN THE DRIPLINE OF A TREE OR LEANED AGAINST A TREE TRUNK. DO NOT PILE OR COMPACT SOIL WITHIN A DRIPLINE.
4. NO CHEMICAL HERBICIDES ARE TO BE USED WITHIN 100 FEET OF A TREE'S DRIPLINE.
5. 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.
6. FUEL STORAGE: FUEL STORAGE SHALL NOT BE PERMITTED WITHIN 150 FEET OF ANY TREE TO BE PRESERVED. REFUELING, SERVICING AND MAINTENANCE OF EQUIPMENT AND MACHINERY SHALL NOT BE PERMITTED WITHIN 150 FEET OF PROTECTED TREES.
7. DEBRIS AND WASTE MATERIALS: DEBRIS AND WASTE FROM CONSTRUCTION OR OTHER ACTIVITIES SHALL NOT BE PERMITTED WITHIN PROTECTED AREAS. WASH DOWN OF CONCRETE OR CEMENT HANDLING EQUIPMENT, IN PARTICULAR, SHALL NOT BE PERMITTED WITHIN 150 FEET OF PROTECTED TREES.
8. GRADE CHANGES: GRADE CHANGES CAN BE PARTICULARLY DAMAGING TO TREES. EVEN AS A LITTLE AS TWO INCHES OF FILL CAN CAUSE THE DEATH OF A TREE. LOWERING THE GRADE CAN DESTROY MAJOR PORTIONS OF THE ROOT SYSTEM. ANY GRADE CHANGES PROPOSED SHOULD BE APPROVED BY A REGISTERED CONSULTING ARBORIST BEFORE CONSTRUCTION BEGINS, AND PRECAUTIONS TAKEN TO MITIGATE POTENTIAL INJURIES.
9. DAMAGES: ANY DAMAGES OR INJURIES TO TREES SHALL BE REPORTED TO THE PROJECT ARBORIST AS SOON AS POSSIBLE. SEVERED ROOTS SHALL BE PRUNED CLEANLY TO HEALTHY TISSUE USING PROPER PRUNING TOOLS. BROKEN BRANCHES OR LIMBS SHALL BE PRUNED ACCORDING TO INTERNATIONAL SOCIETY OF ARBORCULTURE PRUNING GUIDELINES AND ANSI A–300 PRUNING STANDARDS.
10. PREVENTATIVE MEASURES: BEFORE CONSTRUCTION BEGINS, FERTILIZATION OF AFFECTED TREES IS RECOMMENDED TO IMPROVE TREE VIGOR AND HEALTH. SOIL ANALYSES TESTING SHOULD BE COMPLETED TO ASSURE FERTILIZATION WITH THE APPROPRIATE FERTILIZER PRODUCTS. PRUNING OF THE TREE CANOPIES AND BRANCHES SHOULD BE DONE AT THE DIRECTION OF THE PROJECT ARBORIST TO REMOVE ANY DEAD OR BROKEN BRANCHES AND TO PROVIDE NECESSARY CLEARANCES FOR THE CONSTRUCTION EQUIPMENT.
11. HAND DIG VERTICAL TRENCH AT THE FINAL CUT LINE TO FINAL GRADE AND CLEANLY CUT ANY ROOTS ENCOUNTERS BEFORE SEALING WITH APPROVED TREE SEAL. THIS PROCEDURE IS TO PROTECT THE ROOT SYSTEM FROM UNNECESSARY DAMAGE BY EXCAVATION EQUIPMENT.
12. CONTRACTOR IS RESPONSIBLE FOR THE HEALTH OF EXISTING TREES DURING CONSTRUCTION AND MAINTENANCE PERIOD. DURING CONSTRUCTION THE IMPACTED TREES SHALL BE CLOSELY MONITORED TO FURTHER MITIGATE SHOCK SYMPTOMS IF THEY OCCUR. THE CONTRACTOR SHOULD BE PREPARED TO PROVIDE TEMPORARY WATER TO IRRIGATE AND WASH THE DUST FROM THE FOLIAGE IF NEEDED. CONTACT THE ARBORIST IF A DECLINE IN TREE CONDITION IS NOTED.

TREE DISPOSITION	QUANTITY
EXISTING TREES TO BE REMOVED	58
EXISTING TREES TO REMAIN	44

NOTE: TYPICAL FENCE CONFIGURATION SHOWN ACTUAL FIELD CONDTIONS MAY VARY LAYOUT.



LEGEND

1. FENCE.
2. EXTENT OF TREE CANOPY (DRIPLINE).
3. TREE TRUNK.

1 TREE PROTECTION ZONE TYP.
SCALE: NOT TO SCALE

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LOS ANGELES, CA 90061

PMA PROJECT NO.
21023.01

DRAWING TITLE
TREE DISPOSITION NOTES

SCALE
AS INDICATED

DATE
06/01/2026

DRAWN: WC
CHECKED: WC, EM

SHEET NO.
L0.40

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TREE DISPOSITION SYMBOLS:

EX TREE — PROTECT IN PLACE

EX TREE — REMOVE

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LICENSED LANDSCAPE ARCHITECT
EVAN R. MATHER NO. 5117
2/29/28
Renewal Date
06/01/26
Date
STATE OF CALIFORNIA

Public Works
LOS ANGELES COUNTY

COUNTY OF LOS ANGELES CALIFORNIA

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MAGIC JOHNSON PARK MAKE READY & PARKING PROJECT

12416 AVALON BLVD,
LOS ANGELES, CA 90061

MIA PROJECT NO.
21023.01

DRAWING TITLE
TREE DISPOSITION PLAN

SCALE
AS INDICATED

DATE
06/01/2026

DRAWN: WC
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SHEET NO.
L0.41

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MATCH LINE - SEE SHEET L0.41

TREE DISPOSITION SYMBOLS:

EX TREE — PROTECT IN PLACE

EX TREE — REMOVE

(E) PARKING LOT

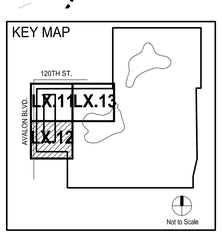
AVALON BLVD.

EXISTING TOWER

LANDSCAPE LIMIT OF WORK

LANDSCAPE LIMIT OF WORK

KEY MAP



SCALE: 1" = 20'

0 10' 20' 40' 80'

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LOS ANGELES, CA 90061

PWA PROJECT NO.
21023.01

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TREE DISPOSITION PLAN

SCALE
AS INDICATED

DATE
06/01/2026

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SHEET NO.
L0.42

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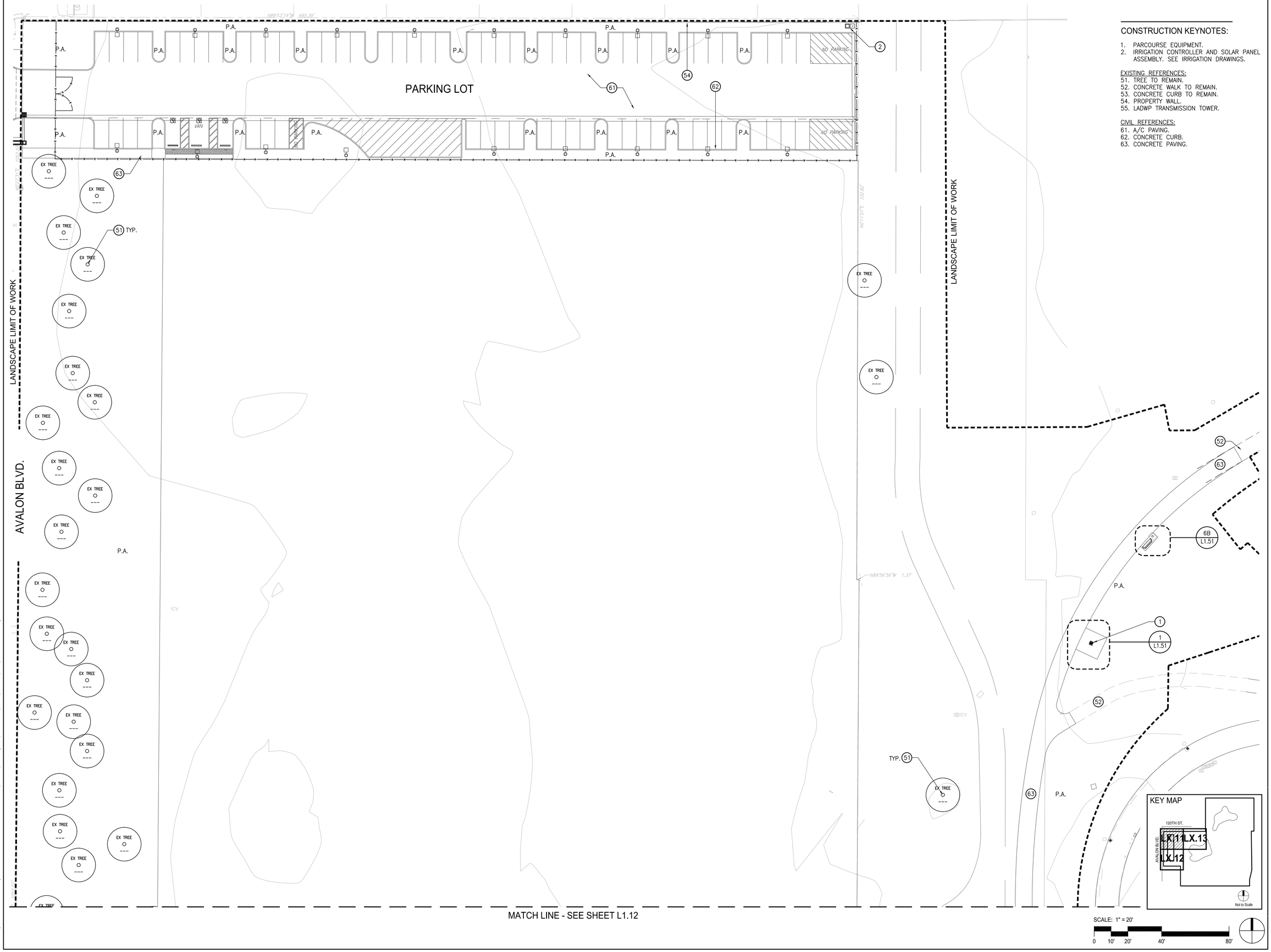

CONSTRUCTION KEYNOTES:

1. PARCOURSE EQUIPMENT.
2. IRRIGATION CONTROLLER AND SOLAR PANEL ASSEMBLY. SEE IRRIGATION DRAWINGS.

EXISTING REFERENCES:
51. TREE TO REMAIN.
52. CONCRETE WALK TO REMAIN.
53. CONCRETE CURB TO REMAIN.
54. PROPERTY WALL.
55. LADWP TRANSMISSION TOWER.

CIVIL REFERENCES:
61. A/C PAVING.
62. CONCRETE CURB.
63. CONCRETE PAVING.

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310 358-0993

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LICENSED LANDSCAPE ARCHITECT
EVAN R. MATHER NO. 5117
Signature
2/29/28
Renewal Date
06/01/26
Date
STATE OF CALIFORNIA

Public Works
LOS ANGELES COUNTY

COUNTY OF LOS ANGELES
CALIFORNIA

MIG

360 East Second Street
Suite 675
Los Angeles, CA 90012

213-694-3800
www.migcom.com

NO.	DATE	REVISION

MAGIC JOHNSON PARK
MAKE READY &
PARKING PROJECT

12416 AVALON BLVD.
LOS ANGELES, CA 90061

PMA PROJECT NO.
21023.01

DRAWING TITLE
LANDSCAPE CONSTRUCTION PLAN

SCALE
AS INDICATED

DATE
06/01/2026

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CHECKED: WC, EM

SHEET NO.
L1.11

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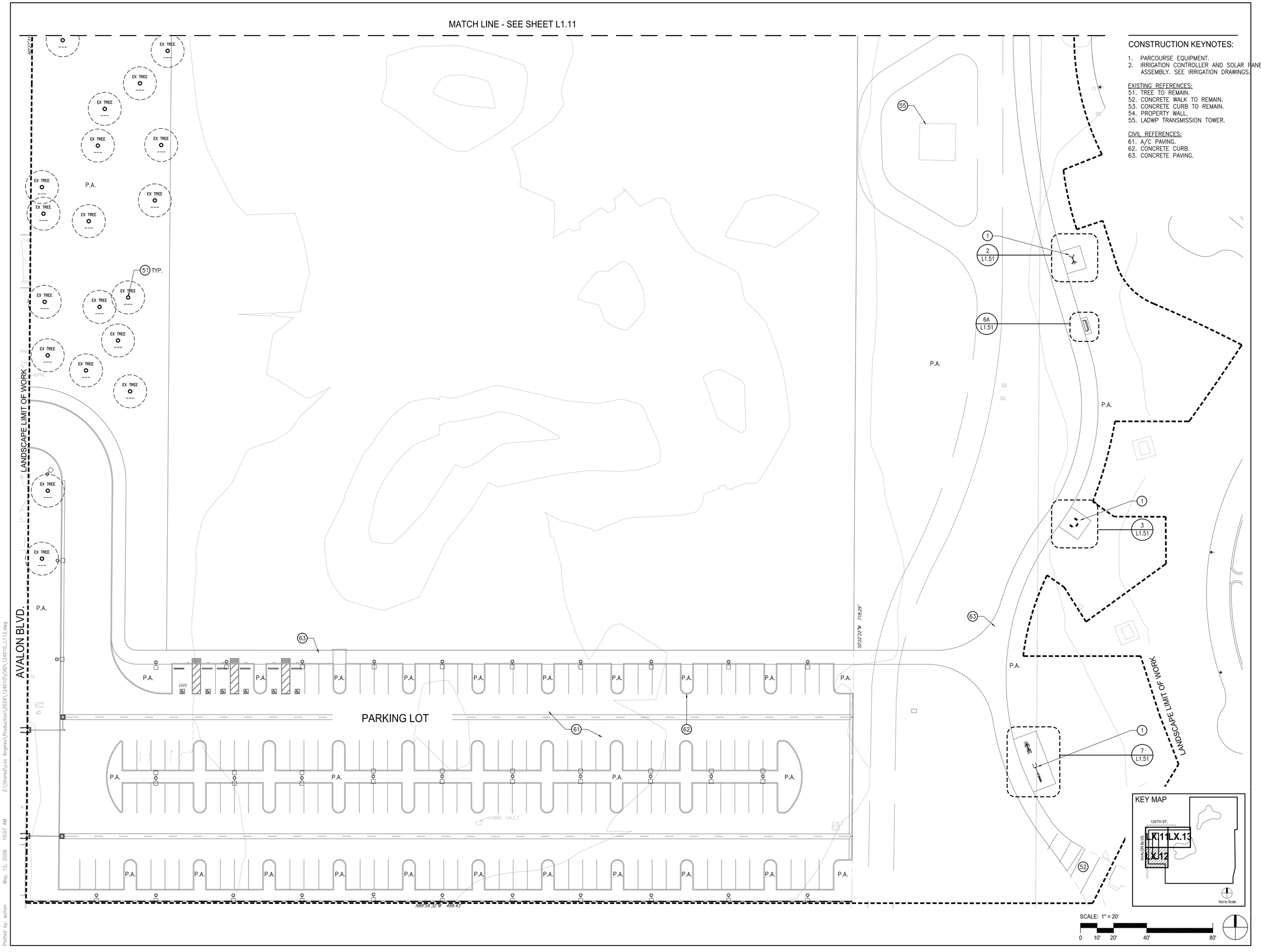

CONSTRUCTION KEYNOTES:

1. PARCOURSE EQUIPMENT.
2. IRRIGATION CONTROLLER AND SOLAR PANEL ASSEMBLY. SEE IRRIGATION DRAWINGS.

EXISTING REFERENCES:

51. TREE TO REMAIN.
52. CONCRETE WALK TO REMAIN.
53. CONCRETE CURB TO REMAIN.
54. PROPERTY WALL.
55. LADWP TRANSMISSION TOWER.

CIVIL REFERENCES:

61. A/C PAVING.
62. CONCRETE CURB.
63. CONCRETE PAVING.

PAUL MURDOCH ARCHITECTS

6310 SAN VICENTE BLVD SUITE 400
LOS ANGELES, CALIFORNIA 90048
310 358-0993

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EVAN R. MATHER NO. 5145
2/29/28
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06/01/26
Date
STATE OF CALIFORNIA

Public Works
LOS ANGELES COUNTY

COUNTY OF LOS ANGELES
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LOS ANGELES, CA 90061

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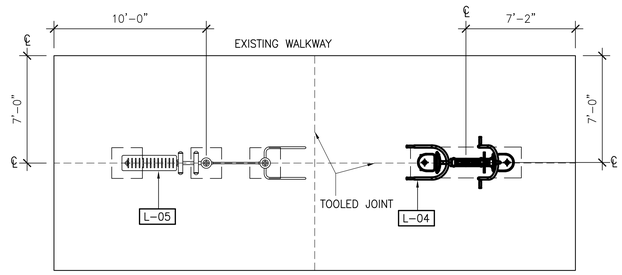
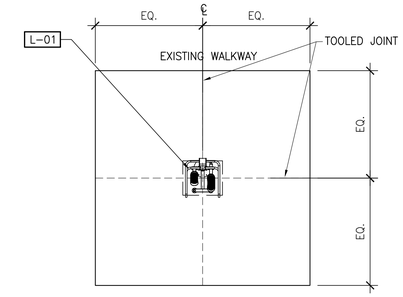


PLAN

1. INSTALL PARCOURSE EQUIPMENT CONCRETE FOOTINGS PER CIVIL DRAWINGS, DETAIL 6/C405.

7 PARCOURSE AREA #4

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

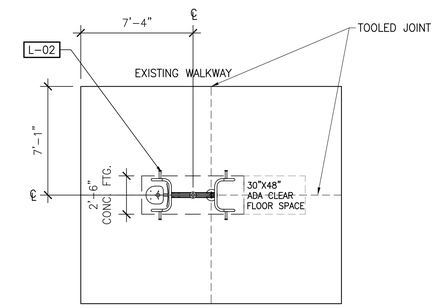


PLAN

1. INSTALL PARCOURSE EQUIPMENT CONCRETE FOOTINGS PER CIVIL DRAWINGS, DETAIL 6/C405.

1 PARCOURSE AREA #1

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

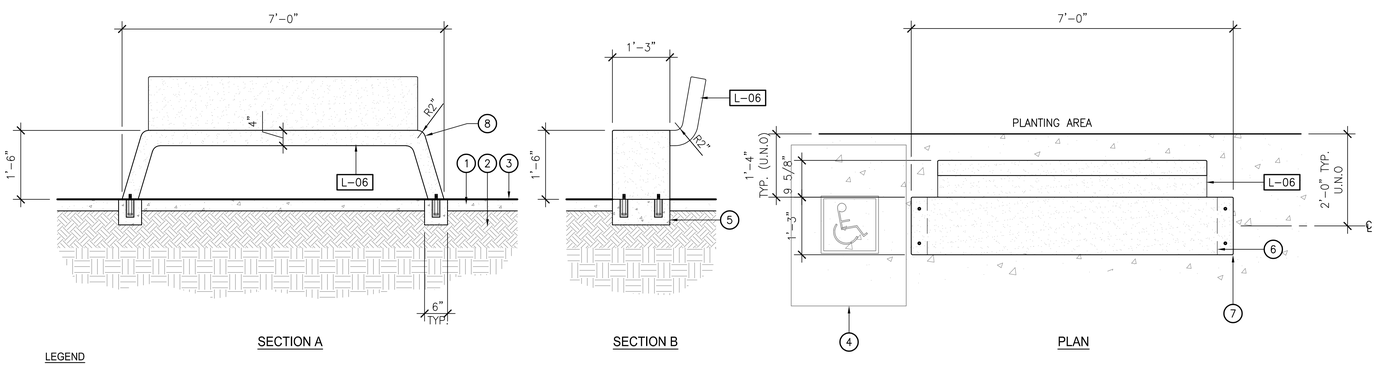


PLAN

1. INSTALL PARCOURSE EQUIPMENT CONCRETE FOOTINGS PER CIVIL DRAWINGS, DETAIL 6/C405.

2 PARCOURSE AREA #2

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

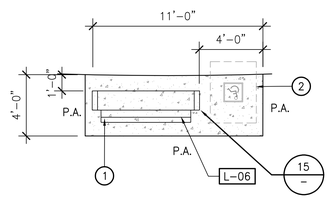


LEGEND

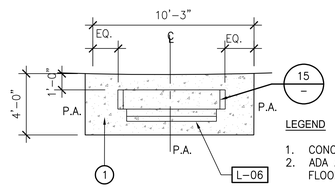
1. CONCRETE PAD PER CIVIL.
2. COMPACTED SUBGRADE.
3. F.S.
4. ADA ACCESSIBLE SPACE 36"X48".
5. CONCRETE FOOTING PER CIVIL DRAWINGS, DETAIL 5/C405.
6. LEG BELOW.
7. 3/4" EASED EDGE (CONT.) TYP.
8. 2" SMOOTH RAD.

15 PRECAST CONCRETE PARK BENCH

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



B. SINGLE BENCH WITH ADA AREA



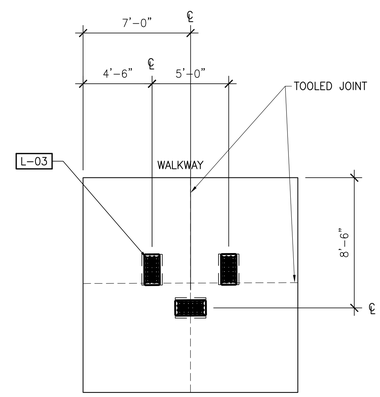
LEGEND

1. CONCRETE PAD PER CIVIL.
2. ADA ACCESSIBLE CLEAR FLOOR SPACE 36"X48".

A. SINGLE BENCH

6 PARK BENCH PLAN

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



PLAN

1. INSTALL PARCOURSE EQUIPMENT CONCRETE FOOTINGS PER CIVIL DRAWINGS, DETAIL 6/C405.

3 PARCOURSE AREA #3

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

PAUL MURDOCH ARCHITECTS

6310 SAN VICENTE BLVD SUITE 400
LOS ANGELES, CALIFORNIA 90048
310 358-0993

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LICENSED LANDSCAPE ARCHITECT
EVAN R. MATHER NO. 5117
Signature
2/29/28
Renewal Date
06/01/26
Date
STATE OF CALIFORNIA

MIG
360 East Second Street
Suite 675
Los Angeles, CA 90012

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NO.	DATE	REVISION

MAGIC JOHNSON PARK MAKE READY & PARKING PROJECT

12416 AVALON BLVD.
LOS ANGELES, CA 90061

PMA PROJECT NO.
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WATER AUDIT AND MAINTENANCE SCHEDULE

THE CONTRACTOR WILL CONDUCT AN IRRIGATION AUDIT USING A CERTIFIED IRRIGATION AUDITOR, AFTER THE FINAL FIELD OBSERVATION HAS BEEN COMPLETED AND ALL IRRIGATION COMPONENTS ARE INSTALLED IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS AND THE IRRIGATION SYSTEM IS ACCEPTED BY THE PROJECT ARCHITECT FOR MAINTENANCE.

THE IRRIGATION AUDIT WILL BE CONDUCTED IN ACCORDANCE WITH THE FOLLOWING SCHEDULE:

1. PLACE FLAGS AT EACH HEAD IN THE ZONE
2. MEASURE SPACING AND MARK MID POINTS BETWEEN HEADS.
3. PLACE WATER MEASURING RECEPTACLES.
4. TAKE READINGS OF WATER LEVEL IN RECEPTACLES AND RECORD RESULTS.
5. MEASURE HEAD PRESSURE IN EACH ZONE AND RECORD RESULTS.
6. AFTER COMPLETING ZONE ADVANCE TO NEXT ZONE AND REPEAT PROCEDURE.
7. SUBMIT THE RESULTS OF THE AUDIT TO THE PROJECT ARCHITECT.

THE IRRIGATION MAINTENANCE SCHEDULE TASKS LISTED BELOW ARE INTENDED AS MINIMUM STANDARDS AND MORE FREQUENT ATTENTION MAY BE REQUIRED DEPENDING ON THE PARTICULAR SITE CONDITIONS.

MAINTENANCE TASK

1. CONTROLLER CABINET - OPEN CABINET AND CLEAN OUT DEBRIS AND REPLACE BATTERY AS NECESSARY. CHECK WIRING AND REPAIR AS NEEDED AND CHECK CLOCK AND RESET IF NECESSARY.
FREQUENCY: QUARTERLY

2. IRRIGATION SCHEDULE - ADJUST SCHEDULE FOR SEASONAL VARIATIONS AND OTHER CONDITIONS WHICH MAY AFFECT THE AMOUNT OF WATER NEEDED TO MAINTAIN PLANT HEALTH ADJUST AS NECESSARY.
FREQUENCY: MONTHLY

3. POC - VISUALLY INSPECT COMPONENTS FOR LEAKS, PRESSURE SETTINGS, SETTLEMENT OR OTHER DAMAGE AFFECTING THE OPERATION OF A COMPONENT. REPAIR AS NEEDED.
FREQUENCY: QUARTERLY

4. REMOTE CONTROL VALVES, ISOLATION VALVES AND QUICK COUPLER VALVES - VISUALLY INSPECT FOR LEAKS, SETTLEMENT, WIRE CONNECTIONS AND PRESSURE SETTINGS. REPAIR OR ADJUST AS NEEDED.
FREQUENCY: QUARTERLY

5. MAINLINE & LATERALS - VISUALLY INSPECT FOR LEAKS OR SETTLEMENT OF TRENCH.
FREQUENCY: QUARTERLY

6. SPRINKLERS - VISUALLY CHECK FOR ANY BROKEN MISALIGNED OR CLOGGED HEADS. HEADS WITH INCORRECT ARC, INADEQUATE COVERAGE OR OVERSPRAY AND LOW HEAD DRAINAGE. REPAIR AS NEEDED.
FREQUENCY: WEEKLY

7. FILTERS AND STRAINERS - VISUALLY CHECK FOR LEAKS, BROKEN FITTING, CLEAN AND FLUSH SCREENS.

AUDIT SHALL BE IN ACCORDANCE WITH THE LATEST STATE OF CALIFORNIA LANDSCAPE WATER MANAGEMENT PROGRAM AS DESCRIBED IN THE LATEST LANDSCAPE IRRIGATION AUDITOR HANDBOOK. THE LANDSCAPE IRRIGATION AUDITS TO BE CONDUCTED BY A QUALIFIED INDIVIDUAL AND THE AUDIT SCHEDULE SHALL BE CONDUCTED AT LEAST ONCE EVERY FIVE YEARS IN ACCORDANCE WITH THE REQUIREMENTS OF TITLE 20, DIVISION 1 OF THE LOS ANGELES COUNTY CODE.

MAINTENANCE SCHEDULES:
MAINTENANCE SCHEDULES. A REGULAR MAINTENANCE SCHEDULE SATISFYING THE FOLLOWING CONDITIONS SHALL BE SUBMITTED AS PART OF THE LANDSCAPE DOCUMENTATION PACKAGE.

LANDSCAPE SHALL BE MAINTAINED TO ENSURE WATER EFFICIENCY. A REGULAR MAINTENANCE SCHEDULE SHALL INCLUDE, BUT NOT BE LIMITED TO, CHECKING, ADJUSTING, AND REPAIRING IRRIGATION EQUIPMENT, RESETTING THE AUTOMATIC CONTROLLER, AERATING AND DETHATCHING TURF AREAS, REPLENISHING MULCH, FERTILIZING, PRUNING, AND WEEDING IN ALL LANDSCAPE AREAS.

WHENEVER POSSIBLE, REPAIR OF IRRIGATION EQUIPMENT SHALL BE DONE WITH THE ORIGINALLY SPECIFIED MATERIALS OR THEIR EQUIVALENTS.

A LANDSCAPE IRRIGATION AUDIT SCHEDULE AS REQUIRED IN CHAPTER 20.09 OF TITLE 20 MAY BE RECOMMENDED. THE MAXIMUM PERIOD BETWEEN AUDITS SHALL BE FIVE YEARS.

IRRIGATION AUDIT SCHEDULES:
LANDSCAPE IRRIGATION AUDIT SCHEDULES. A SCHEDULE OF LANDSCAPE IRRIGATION AUDITS OF AT LEAST EVERY FIVE YEARS MUST BE ESTABLISHED, FOR ALL BUT SINGLE-FAMILY RESIDENCES, AND OTHER PROJECTS WITH LANDSCAPE AREA LESS THAN 1 ACRE (0.405 HA). AS REQUIRED IN CHAPTER 20.09 OF TITLE 20 (UTILITY CODES), AN AUDIT SATISFYING THE FOLLOWING CONDITIONS SHALL BE SUBMITTED TO THE COUNTY AS PART OF THE LANDSCAPE DOCUMENTATION PACKAGE.

AT A MINIMUM, AUDITS SHALL BE IN ACCORDANCE WITH THE LATEST STATE OF CALIFORNIA LANDSCAPE WATER MANAGEMENT PROGRAM AS DESCRIBED IN THE LANDSCAPE IRRIGATION AUDITOR HANDBOOK, PREPARED FOR THE CALIFORNIA DEPARTMENT OF WATER RESOURCES, WATER CONSERVATION OFFICE, THE ENTIRE DOCUMENT, WHICH IS HEREBY INCORPORATED BY REFERENCE.

THE SCHEDULE SHALL PROVIDE FOR LANDSCAPE IRRIGATION AUDITS TO BE CONDUCTED BY A QUALIFIED INDIVIDUAL AS DETERMINED BY THE DIRECTOR AT LEAST ONCE EVERY FIVE YEARS IN ACCORDANCE WITH THE REQUIREMENTS OF TITLE 20, DIVISION 1 OF THE LOS ANGELES COUNTY CODE.

WATER EFFICIENT LANDSCAPE WORKSHEET

This worksheet is filled out by the project applicant and it is a required element of the Landscape Documentation Package

Project Name: Magic Johnson Park Make Ready
Project Address: 12416 Avalon Blvd. Los Angeles, CA 90061
sweeney + associates — IRRIGATION DESIGN AND CONSULTING

Reference Evapotranspiration (ETo) 50.1 In./Yr. **Residential Project?** No

Hydrozone # / Planting / Description[a]	Irrigation Method[b]	ETAF (PF / IE)	Landscape Area (Sq. Ft.)	ETAF x Area	Estimated Total Water Use (ETWU)[d]
Special Landscape Areas					
1. Low Water Plantings	Drip	1.00	13,551	13,551	420,921
	Overhead	1.00	13,318	13,318	413,684
2. Low Water Trees	Bubb	1.00	12,375	12,375	384,392
3. Active Turf	Overhead	1.00	134,007	134,007	4,162,525
		Totals:	**173,251**	**173,251**	
			Estimated Total Water Use (ETWU) Total:		**5,381,523**
			Maximum Applied Water Allowance (MAWA)*:		**5,381,523**

[a] Hydrozone # / Planting Description
E.g.
1.) Front Lawn
2.) Low Water Use Plantings
3.) Medium Water Use Plantings

[b] Irrigation Method
Overhead Spray of
Drip

[c] Irrigation Efficiency
0.75 for Spray
0.81 for Drip

[d] ETWU (Annual Gallons Required) *= ETo x 0.62 x ETAF x Area*
Where 0.62 is a conversion factor that converts acre-inches/acre/year to gallons/square foot/year.

**** MAWA (Annual Gallons Allowed)*** *= ETo x 0.62 x [(ETAF x LA) + ((1 - ETAF) x SLA)]*
Where 0.62 is a conversion factor that converts acre-inches/acre/year to gallons/square foot/year,
LA is the total landscape area in square feet, SLA is the total special landscape area in square feet,
and ETAF is 0.55 for residential projects and 0.45 for non-residential projects.

Evapotranspiration Adjustment Factor (ETAF) Calculations

This non-residential project complies with the WELO and its overage ETAF is less than **0.45**

Regular Landscape Areas	
Total ETAF x Area	0
Total Area	0
Average ETAF	**0**

All Landscape Areas	
Total ETAF x Area	173,251
Total Area	173,251
Average ETAF	**1**

IRRIGATION NOTES

1. ALL LOCAL MUNICIPAL AND STATE LAWS, RULES AND REGULATIONS GOVERNING OR RELATING TO ANY PORTION OF THIS WORK ARE HEREBY INCORPORATED INTO AND MADE A PART OF THESE SPECIFICATIONS AND THEIR PROVISIONS SHALL BE CARRIED OUT BY THE CONTRACTOR.
2. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES, STRUCTURES AND SERVICES BEFORE COMMENCING WORK. THE LOCATIONS OF UTILITIES, STRUCTURES AND SERVICES SHOWN IN THESE PLANS ARE APPROXIMATE ONLY. ANY DISCREPANCIES BETWEEN THESE PLANS AND ACTUAL FIELD CONDITIONS SHALL BE REPORTED TO THE OWNER'S REPRESENTATIVE.
3. THE CONTRACTOR SHALL OBTAIN THE PERTINENT ENGINEERING OR ARCHITECTURAL PLANS BEFORE BEGINNING WORK.
4. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS REQUIRED TO PERFORM THE WORK INDICATED HEREIN BEFORE BEGINNING WORK.
5. THIS DESIGN IS DIAGRAMMATIC. ALL EQUIPMENT SHOWN IN PAVED AREAS IS FOR DESIGN CLARITY ONLY AND IS TO BE INSTALLED WITHIN PLANTING AREAS.
6. THE CONTRACTOR SHALL NOT WILLFULLY INSTALL ANY EQUIPMENT AS SHOWN ON THE PLANS WHEN IT IS OBVIOUS IN THE FIELD THAT UNKNOWN CONDITIONS EXIST THAT WERE NOT EVIDENT AT THE TIME THESE PLANS WERE PREPARED. ANY SUCH CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE PRIOR TO ANY WORK OR THE IRRIGATION CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY FOR ANY FIELD CHANGES DEEMED NECESSARY BY THE OWNER.
7. INSTALL ALL EQUIPMENT AS SHOWN IN THE DETAILS AND SPECIFICATIONS. CONTRACTOR SHALL BE RESPONSIBLE TO COMPLY WITH LOCAL CITY, COUNTY AND STATE REQUIREMENTS FOR BOTH EQUIPMENT AND INSTALLATION.
8. ACTUAL LOCATION FOR THE INSTALLATION OF THE BACKFLOW PREVENTER AND THE AUTOMATIC CONTROLLER IS TO BE DETERMINED IN THE FIELD BY THE OWNER'S AUTHORIZED REPRESENTATIVE.
9. CONTRACTOR IS TO PROVIDE AN ADDITIONAL PILOT WIRE FROM CONTROLLER ALONG ENTIRETY OF MAIN LINE TO THE LAST RCV ON EACH AND EVERY LEG OF MAIN LINE. LABEL SPARE WIRES AT BOTH ENDS.
10. ALL PIPE UNDER PAVED AREAS TO BE INSTALLED IN SLEEVING TWICE THE DIAMETER OF THE PIPE CARRIED. SEE LEGEND FOR TYPE. ALL WIRE UNDER PAVED AREAS TO BE INSTALLED IN A SCH. 40 SLEEVE THE SIZE REQUIRED TO EASILY PULL WIRE THROUGH. ALL SLEEVES TO BE INSTALLED WITH A MINIMUM DEPTH AS SHOWN ON THE SLEEVING DETAILS. SLEEVES TO EXTEND AT LEAST 12" PAST THE EDGE OF THE PAVING.
11. ALL QUICK COUPLER AND REMOTE CONTROL VALVES TO BE INSTALLED IN SHRUB OR GROUND COVER AREAS WHERE POSSIBLE. ALL QUICK COUPLER AND REMOTE CONTROL VALVES TO BE INSTALLED AS SHOWN ON THE INSTALLATION DETAILS. INSTALL ALL QUICK COUPLER AND REMOTE CONTROL VALVES WITHIN 18" OF HARDSCAPE.
12. ALL HEADS ARE TO BE INSTALLED WITH THE NOZZLE, SCREEN AND ARCS SHOWN ON THE PLANS. ALL HEADS ARE TO BE ADJUSTED TO PREVENT OVERSPRAY ONTO BUILDINGS, WALLS, FENCES AND HARDSCAPE. THIS INCLUDES, BUT NOT LIMITED TO, ADJUSTMENT OF DIFFUSER PIN OR ADJUSTMENT SCREW, REPLACEMENT OF PRESSURE COMPENSATING SCREENS, REPLACEMENT OF NOZZLES WITH MORE APPROPRIATE RADIUS UNITS AND THE REPLACEMENT OF NOZZLES WITH ADJUSTABLE ARC UNITS.
13. CONTRACTOR SHALL INSTALL ADDITIONAL CHECK VALVES TO HEADS AND LATERALS AS REQUIRED TO PREVENT LOW HEAD DRAINAGE.
14. THE CONTRACTOR SHALL USE PROPER GROUNDING TECHNIQUES FOR GROUNDING THE CONTROLLER AND RELATED EQUIPMENT PER MANUFACTURERS SPECIFICATIONS. SWEENEY AND ASSOCIATES RECOMMENDS MEASURING FOR PROPER GROUND AT LEAST ONCE ANNUALLY, AND NECESSARY ADJUSTMENTS MADE TO COMPLY WITH MANUFACTURER SPECIFICATIONS.
15. THE CONTRACTOR IS REQUIRED TO CONTACT DIGALERT OR 811 A MINIMUM OF TWO (2) DAYS PRIOR TO THE START OF ANY EXCAVATIONS ON THE PROJECT AND SPECIFICALLY PRIOR TO THE INSTALLATION OF ANY GROUNDING RODS. DIAL 811 OR LOG ONTO WWW.DIGALERT.ORG TO START A PROJECT TICKET. DIGALERT AND 811 IS A FREE SERVICE PROVIDED TO THE PROJECT. FAILURE TO CONTACT AND HAVE THE EXISTING UTILITIES IDENTIFIED, LOCATED AND MARKED SHALL MAKE THE CONTRACTOR SOLELY RESPONSIBLE FOR ANY AND ALL DAMAGES.

IRRIGATION CONTROLLER RUN TIMES (ESTABLISHMENT)

POC or Controller		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Total / Avg.
D	ETo / Month (Inches):	2.20	2.70	3.70	4.70	5.50	5.80	6.20	5.90	5.00	3.90	2.60	1.90	**50.10**
	ETo / Day (Inches):	0.07	0.10	0.12	0.16	0.18	0.19	0.20	0.19	0.17	0.13	0.09	0.06	**0.14**
	Irrigation Days / Week:	2	3	4	4	4	4	5	5	4	3	2	2	

Plant / Irrig. Type	AKc	Pr Rate	IE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
Turf	0.95	0.70	0.75	27.0	24.4	22.7	29.8	33.7	36.7	30.4	28.9	31.7	31.9	32.9	23.3	Min./Day/Zone
Rotors	**Number of Zones:**		4	**107.9**	**97.7**	**90.7**	**119.1**	**134.8**	**146.9**	**121.6**	**115.7**	**126.7**	**127.5**	**131.7**	**93.2**	**Total Min./Day**
Turf	0.95	1.20	0.75	27.0	24.4	22.7	29.8	33.7	36.7	30.4	28.9	31.7	31.9	32.9	23.3	Min./Day/Zone
Rotator Heads	**Number of Zones:**		1	**27.0**	**24.4**	**22.7**	**29.8**	**33.7**	**36.7**	**30.4**	**28.9**	**31.7**	**31.9**	**32.9**	**23.3**	**Total Min./Day**
Turf	0.95	1.28	0.75	14.7	13.4	12.4	16.3	18.4	20.1	16.6	15.8	17.3	17.4	18.0	12.7	Min./Day/Zone
Rotors #10 (Q)	**Number of Zones:**		2	**29.5**	**26.7**	**24.8**	**32.6**	**36.9**	**40.2**	**33.3**	**31.6**	**34.6**	**34.9**	**36.0**	**25.5**	**Total Min./Day**
Turf	0.95	0.64	0.75	29.5	26.7	24.8	32.6	36.9	40.2	33.3	31.6	34.6	34.9	36.0	25.5	Min./Day/Zone
Rotors #10 (H)	**Number of Zones:**		7	**206.5**	**187.0**	**173.6**	**227.9**	**258.1**	**281.2**	**232.8**	**221.5**	**242.4**	**244.0**	**252.1**	**178.3**	**Total Min./Day**
Turf	0.95	0.32	0.75	59.0	53.4	49.6	65.1	73.7	80.4	66.5	63.3	69.3	69.7	72.0	50.9	Min./Day/Zone
Rotors #10 (F)	**Number of Zones:**		5	**295.0**	**267.2**	**248.0**	**325.6**	**368.7**	**401.8**	**332.5**	**316.4**	**346.4**	**348.6**	**360.2**	**254.7**	**Total Min./Day**
Turf	0.95	0.78	0.75	24.2	21.9	20.4	26.7	30.3	33.0	27.3	26.0	28.4	28.6	29.6	20.9	Min./Day/Zone
Rotors #18 (H)	**Number of Zones:**		3	**72.6**	**65.8**	**61.1**	**80.1**	**90.8**	**98.9**	**81.8**	**77.9**	**85.3**	**85.8**	**88.7**	**62.7**	**Total Min./Day**
Turf	0.95	0.39	0.75	48.4	43.8	40.7	53.4	60.5	65.9	54.6	51.9	56.8	57.2	59.1	41.8	Min./Day/Zone
Rotors #18 (F)	**Number of Zones:**		2	**96.8**	**87.7**	**81.4**	**106.9**	**121.0**	**131.9**	**109.1**	**103.8**	**113.7**	**114.4**	**118.2**	**83.6**	**Total Min./Day**
Low Shrubs	0.38	0.70	0.81	10.0	9.0	8.4	11.0	12.5	13.6	11.3	10.7	11.7	11.8	12.2	8.6	Min./Day/Zone
Drip Tubing	**Number of Zones:**		7	**69.9**	**63.3**	**58.8**	**77.2**	**87.4**	**95.2**	**78.8**	**75.0**	**82.1**	**82.6**	**85.4**	**60.4**	**Total Min./Day**
Low Shrubs	0.38	0.70	0.75	10.8	9.8	9.1	11.9	13.5	14.7	12.2	11.6	12.7	12.7	13.2	9.3	Min./Day/Zone
Rotors	**Number of Zones:**		1	**10.8**	**9.8**	**9.1**	**11.9**	**13.5**	**14.7**	**12.2**	**11.6**	**12.7**	**12.7**	**13.2**	**9.3**	**Total Min./Day**
Low Shrubs	0.38	1.74	0.75	4.3	3.9	3.6	4.8	5.4	5.9	4.9	4.7	5.1	5.1	5.3	3.7	Min./Day/Zone
Spray Heads	**Number of Zones:**		2	**8.7**	**7.9**	**7.3**	**9.6**	**10.8**	**11.8**	**9.8**	**9.3**	**10.2**	**10.3**	**10.6**	**7.5**	**Total Min./Day**
Low Shrubs	0.38	0.77	0.75	9.8	8.9	8.2	10.8	12.3	13.4	11.1	10.5	11.5	11.6	12.0	8.5	Min./Day/Zone
Rotator Heads	**Number of Zones:**		2	**19.6**	**17.8**	**16.5**	**21.6**	**24.5**	**26.7**	**22.1**	**21.0**	**23.0**	**23.2**	**24.0**	**16.9**	**Total Min./Day**
Low Trees	0.38	1.00	0.81	7.0	6.3	5.9	7.7	8.7	9.5	7.9	7.5	8.2	8.3	8.5	6.0	Min./Day/Zone
Bubblers	**Number of Zones:**		8	**55.9**	**50.7**	**47.0**	**61.7**	**69.9**	**76.2**	**63.1**	**60.0**	**65.7**	**66.1**	**68.3**	**48.3**	**Total Min./Day**
	Total Number of Zones:		**44**	1000	906	841	1104	1250	1362	1127	1073	1174	1182	1221	864	Total Min./Day
	Total Controller Run Time in Hours:			**16.67**	**15.10**	**14.02**	**18.40**	**20.84**	**22.70**	**18.79**	**17.88**	**19.57**	**19.70**	**20.36**	**14.40**	**Total Hrs./Day**
				JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	

Note: These schedules are intended only for compliance with local municipal codes and the water efficient landscape ordinance. These calculations represent the MAXIMUM REASONABLE run times and are used to ensure that all irrigation may be completed during the specific watering window allowed. These schedules do not include rainfall, site soil types, specific exposures (shade versus sun), actual irrigation days, or specific slope position. It is solely the responsibility of the irrigation contractor to program the controller as required to apply the correct amount of irrigation water for the landscape. All smart controllers shall be programmed using the specified ET or weather sensing equipment, satellite provided ET data, soil moisture sensors, and rain shut off devices as required. Contractor shall provide a controller schedule inside the controller cabinet prior to final turnover of the project to the owner.

IRRIGATION CONTROLLER RUN TIMES (ESTABLISHED)

POC or Controller		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Total / Avg.
D	ETo / Month (Inches):	2.20	2.70	3.70	4.70	5.50	5.80	6.20	5.90	5.00	3.90	2.60	1.90	**50.10**
	ETo / Day (Inches):	0.07	0.10	0.12	0.16	0.18	0.19	0.20	0.19	0.17	0.13	0.09	0.06	**0.14**
	Irrigation Days / Week:	2	3	4	4	4	4	5	5	4	3	2	2	

Plant / Irrig. Type	AKc	Pr Rate	IE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
Turf	0.80	0.70	0.75	22.7	20.6	19.1	25.1	28.4	30.9	25.6	24.4	26.7	26.8	27.7	19.6	Min./Day/Zone
Rotors	**Number of Zones:**		4	**90.8**	**82.3**	**76.4**	**100.3**	**113.5**	**123.7**	**102.4**	**97.4**	**106.7**	**107.4**	**110.9**	**78.5**	**Total Min./Day**
Turf	0.80	0.70	0.75	22.7	20.6	19.1	25.1	28.4	30.9	25.6	24.4	26.7	26.8	27.7	19.6	Min./Day/Zone
Rotator Heads	**Number of Zones:**		1	**22.7**	**20.6**	**19.1**	**25.1**	**28.4**	**30.9**	**25.6**	**24.4**	**26.7**	**26.8**	**27.7**	**19.6**	**Total Min./Day**
Turf	0.80	1.28	0.75	12.4	11.3	10.4	13.7	15.5	16.9	14.0	13.3	14.6	14.7	15.2	10.7	Min./Day/Zone
Rotors #10 (Q)	**Number of Zones:**		2	**24.8**	**22.5**	**20.9**	**27.4**	**31.0**	**33.8**	**28.0**	**26.6**	**29.2**	**29.4**	**30.3**	**21.5**	**Total Min./Day**
Turf	0.80	0.64	0.75	24.8	22.5	20.9	27.4	31.0	33.8	28.0	26.6	29.2	29.4	30.3	21.5	Min./Day/Zone
Rotors #10 (H)	**Number of Zones:**		7	**173.9**	**157.5**	**146.2**	**191.9**	**217.3**	**236.8**	**196.0**	**186.5**	**204.2**	**205.5**	**212.3**	**150.2**	**Total Min./Day**
Turf	0.80	0.32	0.75	49.7	45.0	41.8	54.8	62.1	67.7	56.0	53.3	58.3	58.7	60.7	42.9	Min./Day/Zone
Rotors #10 (F)	**Number of Zones:**		5	**248.4**	**225.0**	**208.9**	**274.2**	**310.5**	**338.3**	**280.0**	**266.5**	**291.7**	**293.5**	**303.3**	**214.5**	**Total Min./Day**
Turf	0.80	0.78	0.75	20.4	18.5	17.1	22.5	25.5	27.8	23.0	21.9	23.9	24.1	24.9	17.6	Min./Day/Zone
Rotors #18 (H)	**Number of Zones:**		3	**61.1**	**55.4**	**51.4**	**67.5**	**76.4**	**83.3**	**68.9**	**65.6**	**71.8**	**72.3**	**74.7**	**52.8**	**Total Min./Day**
Turf	0.80	0.39	0.75	40.8	36.9	34.3	45.0	51.0	55.5	45.9	43.7	47.9	48.2	49.8	35.2	Min./Day/Zone
Rotors #18 (F)	**Number of Zones:**		2	**81.5**	**73.8**	**68.6**	**90.0**	**101.9**	**111.0**	**91.9**	**87.5**	**95.7**	**96.3**	**99.6**	**70.4**	**Total Min./Day**
Low Shrubs	0.20	0.70	0.81	5.3	4.8	4.4	5.8	6.6	7.2	5.9	5.6	6.2	6.2	6.4	4.5	Min./Day/Zone
Drip Tubing	**Number of Zones:**		7	**36.8**	**33.3**	**30.9**	**40.6**	**46.0**	**50.1**	**41.5**	**39.5**	**43.2**	**43.5**	**44.9**	**31.8**	**Total Min./Day**
Low Shrubs	0.20	0.70	0.75	5.7	5.1	4.8	6.3	7.1	7.7	6.4	6.1	6.7	6.7	6.9	4.9	Min./Day/Zone
Rotors	**Number of Zones:**		1	**5.7**	**5.1**	**4.8**	**6.3**	**7.1**	**7.7**	**6.4**	**6.1**	**6.7**	**6.7**	**6.9**	**4.9**	**Total Min./Day**
Low Shrubs	0.20	1.74	0.75	2.3	2.1	1.9	2.5	2.9	3.1	2.6	2.5	2.7	2.7	2.8	2.0	Min./Day/Zone
Spray Heads	**Number of Zones:**		2	**4.6**	**4.1**	**3.8**	**5.0**	**5.7**	**6.2**	**5.1**	**4.9**	**5.4**	**5.4**	**5.6**	**3.9**	**Total Min./Day**
Low Shrubs	0.20	0.77	0.75	5.2	4.7	4.3	5.7	6.5	7.0	5.8	5.5	6.1	6.1	6.3	4.5	Min./Day/Zone
Rotator Heads	**Number of Zones:**		2	**10.3**	**9.4**	**8.7**	**11.4**	**12.9**	**14.1**	**11.6**	**11.1**	**12.1**	**12.2**	**12.6**	**8.9**	**Total Min./Day**
Low Trees	0.20	1.00	0.81	3.7	3.3	3.1	4.1	4.6	5.0	4.1	3.9	4.3	4.3	4.5	3.2	Min./Day/Zone
Bubblers	**Number of Zones:**		8	**29.4**	**26.7**	**24.8**	**32.5**	**36.8**	**40.1**	**33.2**	**31.6**	**34.6**	**34.8**	**36.0**	**25.4**	**Total Min./Day**
	Total Number of Zones:		**44**	790	716	664	872	988	1076	891	848	928	934	965	682	Total Min./Day
	Total Controller Run Time in Hours:			**13.17**	**11.93**	**11.07**	**14.54**	**16.46**	**17.94**	**14.84**	**14.13**	**15.46**	**15.56**	**16.08**	**11.37**	**Total Hrs./Day**
				JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	

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IRRIGATION MATERIAL LEGEND

SYMBOL Q	T	H	F	MANUFACTURER	MODEL NO. / DESCRIPTION	FLOW RATE (GPM)	PSI	RADIUS	P.R. (TRI.)	DETAIL
				RAIN BIRD	RD-12-S-P30-F-NP 12" POP-UP SHRUB HEAD WITH 8 SERIES HE-VAN ADJUSTABLE ARC NOZZLE	.29, .39, .59, 1.17	30	8 FT	2.03 IN./HR.	A
				RAIN BIRD	RD-12-S-P30-F-NP 12" POP-UP SHRUB HEAD WITH 10 SERIES HE-VAN ADJUSTABLE ARC NOZZLE	.45, .59, .89, 1.78	30	10 FT	1.98 IN./HR.	A
				RAIN BIRD	RD-12-S-P30-F-NP 12" POP-UP SHRUB HEAD WITH 12 SERIES HE-VAN ADJUSTABLE ARC NOZZLE	.59, .79, 1.18, 2.37	30	12 FT	1.83 IN./HR.	A
				RAIN BIRD	RD-12-S-P30-F-NP 12" POP-UP SHRUB HEAD WITH 15 SERIES HE-VAN ADJUSTABLE ARC NOZZLE	.93, 1.23, 1.85, 3.70	30	15 FT	1.83 IN./HR.	A
				RAIN BIRD	RD-12-S-P45-F-NP 12" POP-UP SHRUB HEAD WITH R-VAN14 (Q/T/H) / R-VAN14-360 NOZZLES	.32, .42, .63, 1.27	45	14 FT	0.70 IN./HR.	A
				RAIN BIRD	RD-12-S-P45-F-NP 12" POP-UP SHRUB HEAD WITH R-VAN18 (Q/T/H) / R-VAN18-360 NOZZLES	.50, .62, 1.01, 1.85	45	18 FT	0.70 IN./HR.	A
				RAIN BIRD	RD-12-S-P45-F-NP 12" POP-UP SHRUB HEAD WITH R-VAN24 (Q/T/H) / R-VAN24-360 NOZZLES	.84, 1.16, 1.68, 3.48	45	24 FT	0.70 IN./HR.	A
				RAIN BIRD	5012-PL-(PC)-SAM-R-NP 12" POP-UP SHRUB ROTOR WITH MPR-25 NOZZLES (RED)	1.00, 1.38, 1.98, 3.82	45	25 FT	0.70 IN./HR.	B
				RAIN BIRD	5012-PL-(PC)-SAM-R-NP 12" POP-UP SHRUB ROTOR WITH MPR-30 NOZZLES (GREEN)	1.40, 1.85, 2.96, 5.78	45	30 FT	0.70 IN./HR.	B
				RAIN BIRD	5012-PL-(PC)-SAM-R-NP 12" POP-UP SHRUB ROTOR WITH MPR-35 NOZZLES (BEIGE)	1.92, 2.46, 3.81, 7.58	45	35 FT	0.70 IN./HR.	B
				RAIN BIRD	RD-06-S-P45-F-NP 6" POP-UP TURF HEAD WITH R-VAN14 (Q/T/H) / R-VAN14-360 NOZZLES	.32, .42, .63, 1.27	45	14 FT	0.70 IN./HR.	A
				RAIN BIRD	RD-06-S-P45-F-NP 6" POP-UP TURF HEAD WITH R-VAN18 (Q/T/H) / R-VAN18-360 NOZZLES	.50, .62, 1.01, 1.85	45	18 FT	0.70 IN./HR.	A
				RAIN BIRD	RD-06-S-P45-F-NP 6" POP-UP TURF HEAD WITH R-VAN24 (Q/T/H) / R-VAN24-360 NOZZLES	.84, 1.16, 1.68, 3.48	45	24 FT	0.70 IN./HR.	A
				RAIN BIRD	5006-PL-(PC)-SAM-R-NP 6" POP-UP TURF ROTOR WITH MPR-25 NOZZLES (RED)	1.00, 1.38, 1.98, 3.82	45	25 FT	0.70 IN./HR.	B
				RAIN BIRD	5006-PL-(PC)-SAM-R-NP 6" POP-UP TURF ROTOR WITH MPR-30 NOZZLES (GREEN)	1.40, 1.85, 2.96, 5.78	45	30 FT	0.70 IN./HR.	B
				RAIN BIRD	5006-PL-(PC)-SAM-R-N

COUNTY OF LOS ANGELES - DEPARTMENT OF HEALTH SERVICES
PUBLIC HEALTH PROGRAMS AND SERVICES - ENVIRONMENTAL HEALTH
CROSS-CONNECTION & WATER POLLUTION CONTROL PROGRAM
5050 COMMERCE DRIVE, RM 116, BALDWIN PARK, CA 91706

A GUIDE TO SAFE RECYCLED WATER USE, PIPELINE CONSTRUCTION AND INSTALLATION

INTRODUCTION: AS A RESULT OF INCREASING AVAILABILITY OF RECYCLED WATER AND THE CONSEQUENT NEED OR DESIRE FOR THE TRANSMISSION AND USE THEREOF, THIS DEPARTMENT HAS FOUND IT NECESSARY TO DEVELOP THE FOLLOWING GUIDELINES FOR RECYCLED WATER PIPELINE CONSTRUCTION, INSTALLATION AND SAFE RECYCLED WATER USE FOR THE PROTECTION OF DOMESTIC WATER SUPPLIES AND PUBLIC HEALTH.

1. RECYCLED WATER SHALL MEET REQUIREMENTS SPECIFIED IN "WATER RECLAMATION CRITERIA": TITLE 22, DIVISION 4, CHAPTER 3, SECTION 60301 THROUGH 60355 OF THE CALIFORNIA CODE OF REGULATIONS AND REGULATIONS AND GUIDELINES OF THE REGULATORY AGENCIES.

2. RECYCLED WATER USE SHALL BE COMPATIBLE WITH STATE DEPARTMENT OF HEALTH SERVICES AND REGIONAL WATER QUALITY CONTROL BOARD REQUIREMENTS.

3. PLANS AND SPECIFICATIONS FOR RECYCLED WATER DISTRIBUTION, USE AND OPERATIONAL PRACTICES SHALL BE SUBMITTED FOR REVIEW AND APPROVAL TO THE COUNTY OF LOS ANGELES DEPARTMENT OF HEALTH SERVICES PRIOR TO IMPLEMENTATION.

4. PRIOR TO COMMENCING CONSTRUCTION THE CONTRACTOR SHALL CONTACT THE LOS ANGELES COUNTY DEPARTMENT OF HEALTH SERVICES TO ARRANGE FOR INSPECTION OF ALL ON-SITE RECYCLED AND POTABLE WATER WORK. NO EXCAVATION OR OPEN TRENCH MAY BE BACKFILLED WITHOUT FIRST SECURING HEALTH DEPARTMENT APPROVAL. IF ANY PIPING, RECYCLED OR POTABLE, IS INSTALLED PRIOR TO PLAN CHECK APPROVAL AND/OR INSPECTION, ALL OR ANY PORTION OF THE SYSTEM MAY BE REQUIRED TO BE EXPOSED AND CORRECTED AS NECESSARY.

5. A LOS ANGELES COUNTY DEPARTMENT OF PUBLIC HEALTH APPROVED TEMPORARY WATER CONNECTION TO A POTABLE WATER SUPPLY, VIA A DEDICATED, APPROVED REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTION DEVICE, SHALL BE UTILIZED FOR THE PURPOSES OF FLUSHING, PRESSURE TESTING, CONSTRUCTION USES, INITIAL LANDSCAPE USE AND THE FINAL CROSS CONNECTION PRESSURE TEST.

6. SEPARATION - IN ORDER TO MINIMIZE CONSTRUCTION ACCIDENTS RESULTING IN PIPELINE BREAKS, INFILTRATION OF WATER FROM LEAKING WATER LINES INTO DOMESTIC WATER LINES, OR ACCIDENTAL CROSS-CONNECTIONS BETWEEN RECYCLED WATER AND POTABLE WATER SYSTEMS, MAXIMUM ATTAINABLE SEPARATION OF RECYCLED WATER LINES AND POTABLE WATER LINES SHALL BE PRACTICED.

- PARALLEL CONSTRUCTION: THERE SHALL BE AT LEAST A TEN FOOT (10') SEPARATION, ALL DISTANCES MEASURED FROM PIPELINE OUTSIDE DIAMETER.
- CROSS-OVER CONSTRUCTION: AS PERPENDICULAR AS POSSIBLE; ONE FOOT (1') SEPARATION, WITH POTABLE ABOVE RECYCLED; FULL PIPE LENGTH CENTERED OVER CROSSING.
- ALTERNATE CROSS-OVER CONSTRUCTION (DISTANCE NOT MAINTAINED): EITHER THE POTABLE OR RECYCLED WATER LINES MAY BE SLEEVED WITH THE SAME CLASS PIPING FOR ONE FULL PIPE LENGTH (MINIMUM TEN FEET) CENTERED OVER THE CROSS-OVER.
- THE RECYCLED WATER SYSTEM SHALL BE CONSTRUCTED IN CONFORMANCE WITH POTABLE WATER SYSTEM CONSTRUCTION STANDARDS AND IN ACCORDANCE WITH ALL OTHER GOVERNING CODES, RULES AND REGULATIONS.
- UNUSED OR ABANDONED POTABLE WATER LINES ARE TO BE SEVERED AS CLOSE TO WATER MAINS AS PRACTICAL, CAPPED AND A TEN- FOOT SECTION OF ABANDONED LINE REMOVED AND CEMENTED UNDER HEALTH DEPARTMENT SUPERVISION.

EXISTING ON-SITE PIPING - TO THE EXTENT FEASIBLE, MAXIMUM SEPARATION OF RECYCLED WATER AND POTABLE WATER LINES SHALL BE PRACTICED UPON SYSTEM ADDITION OR MODIFICATION.

7. IDENTIFICATION: - ALL RECYCLED WATER LINES (PRESSURE/NON-PRESSURE), VALVE BOXES, HYDRANTS AND APPURTENANCES SHALL BE IDENTIFIED TO CLEARLY DISTINGUISH BETWEEN RECYCLED WATER, NON-POTABLE AND POTABLE WATER SYSTEMS.

- RECYCLED WATER - ALL BURIED RECYCLED WATER LINES (PRESSURE/NON-PRESSURE) SHALL BE PURPLE COLORED PIPE WITH CONTINUOUS WORDING "CAUTION RECYCLED WATER" PRINTED ON OPPOSITE SIDES OF THE PIPE.
- PROJECTS UTILIZING EXTENSIVE PIPELINE INSTALLATION SHALL USE PURPLE PIPE PROPERLY STENCILED/LABELED. FOR LIMITED APPLICATION, THE USE OF CONTINUOUS LETTERING ON THREE INCH (3") MINIMUM WIDTH PURPLE TAPE WITH ONE INCH BLACK OR WHITE CONTRASTING LETTERING BEARING THE CONTINUOUS WORDING "CAUTION RECYCLED WATER" PERMANENTLY AFFIXED AT FIVE FOOT INTERVALS ATOP ALL HORIZONTAL PIPING, LATERALS AND MAINS IS AN ACCEPTABLE ALTERNATIVE TO PURPLE PIPE, IF PURPLE PIPE IS UNAVAILABLE IN THE SIZE REQUIRED BY THE PROJECT DESIGN. IDENTIFICATION TAPE SHALL EXTEND TO ALL VALVE BOXES AND/OR VAULTS, EXPOSED PIPING, HYDRANTS AND QUICK COUPLERS.
- POTABLE WATER - ALL POTABLE WATER LINES SHALL BE INSTALLED IN ACCORDANCE WITH THE CALIFORNIA PLUMBING CODE AND ALL OTHER GOVERNING CODES, RULES AND REGULATIONS. BURIED POTABLE WATER LINES SHALL BE IDENTIFIED BY CONTINUOUS LETTERING ON THREE INCH (3") MINIMUM WIDTH BLUE OR GREEN TAPE WITH ONE INCH WHITE LETTERING BEARING THE CONTINUOUS WORDING "POTABLE WATER" PERMANENTLY AFFIXED 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.
- IDENTIFICATION TAPE IS NOT NECESSARY FOR EXTRUDED COLORED PVC WITH CONTINUOUS WORDING "POTABLE WATER" PRINTED IN CONTRASTING LETTERING ON OPPOSITE SIDES OF THE PIPE.
- NON-POTABLE WATER - ALL NON-POTABLE IRRIGATION/INDUSTRIAL WATER LINES (PRESSURE/NON-PRESSURE) SHALL BE IDENTIFIED BY CONTINUOUS LETTERING ON THREE INCH (3") MINIMUM WIDTH TAPE WITH ONE INCH CONTRASTING LETTERING BEARING THE CONTINUOUS WORDING NON-POTABLE WATER PERMANENTL AFFIXED AT TEN FOOT INTERVALS ATOP ALL HORI ONTAL PIPING, LATERALS, AND MAINS. IDENTIFICATION TAPE SHALL EXTEND TO ALL VALVE BOXES AND/OR VAULTS, EXPOSED PIPING, HYDRANTS AND QUICK COUPLERS. NON-POTABLE WATER IS WATER SUPPLIED FROM THE POTABLE WATER SYSTEM THROUGH AN APPROPRIATE BACKFLOW PREVENTER.
- EXPOSED PIPING, VALVE BOXES, VAULTS, CONTROL VALVES, QUICK COUPLING VALVES, OUTLETS AND RELATED APPURTENANCES SHALL BE COLOR CODED AND LABELED OR TAGGED TO DIFFERENTIATE BETWEEN RECYCLED WATER, POTABLE WATER AND NON-POTABLE WATER SYSTEMS, I.E.,
  i. "CAUTION RECYCLED WATER DO NOT DRINK" IN BLACK OR WHITE CONTRASTING LETTERING ON A PURPLE BACKGROUND.
  ii. "POTABLE WATER" IN WHITE LETTERING ON A BLUE BACKGROUND.
  iii. "NON-POTABLE WATER - DO NOT DRINK" IN CONTRASTING LETTERING FROM THE BACKGROUND.

  TAGS SHALL BE IDENTIFIED WITH THE APPROPRIATE WORDING ON BOTH SIDES. TAGS IDENTIFYING RECYCLED WATER SHALL HAVE THE APPROPRIATE WORDING ON ONE SIDE AND SYMBOL ON THE OPPOSITE SIDE.

8. AQUIFERS SHALL BE PROTECTED AGAINST CONTAMINATION FROM RECYCLED WATER INFILTRATION VIA DETERIORATED OR INADEQUATELY PROTECTED WATER WELL CASINGS BY CORRECTING THESE PHYSICAL DEFICIENCIES. RECYCLED WATER SHALL NOT BE SPRAYED ON WELL PUMP INSTALLATIONS AND APPURTENANCES. A FIFTY FOOT BUFFER IS REQUIRED AROUND EACH WATER WELL.

9. AN ON-SITE WATER SUPERVISOR HAVING THE RESPONSIBILITY FOR THE PROTECTION OF THE POTABLE WATER SYSTEM FROM CROSS-CONNECTIONS, SHALL BE APPOINTED AS PROVIDED FOR UNDER TITLE 17, SECTION 7586, CALIFORNIA CODE OF REGULATIONS. THE WATER SUPERVISOR SHALL BE RESPONSIBLE FOR INSTALLATION, OPERATION, AND MAINTENANCE OF THE RECYCLED WATER AND POTABLE WATER SYSTEMS, PREVENTION OF POTENTIAL HAZARDS, IMPLEMENTING THESE GUIDELINES AND COORDINATION WITH THE CROSS-CONNECTION CONTROL PROGRAM OF THE WATER PURVEYOR AND THIS DEPARTMENT. AUTHORIZATIONS FOR PIPING CHANGES OR ADDITIONS TO EITHER THE POTABLE OR RECYCLED WATER SYSTEMS SHALL BE SUBJECT TO REVIEW AND APPROVAL BY THE WATER SUPERVISOR. THE NAME AND POSITION OF THIS INDIVIDUAL SHALL BE REPORTED TO THE WATER PURVEYOR AND THE COUNTY OF LOS ANGELES DEPARTMENT OF HEALTH SERVICES.

10. AS-BUILT PLANS SHALL BE PREPARED AND UPDATED AS NECESSARY BY THE USER SHOWING THE LOCATION OF RECYCLED WATER AND POTABLE WATER SYSTEM PIPING.

11. IN AREAS OF PUBLIC ACCESS TO RECYCLED WATER SYSTEMS, HOSE BIBBS SHALL NOT BE PERMITTED IN ORDER TO PREVENT THE UNAUTHORIZED USE OF RECYCLED WATER. QUICK-COUPLERS ARE PERMISSIBLE IN LIEU OF HOSE BIBB OUTLETS AND SHALL ONLY BE CONNECTED TO RECYCLED WATER LINES. ALL QC SHALL BE OF DIFFERING SIZE FROM QC USED ON POTABLE WATER FED SYSTEMS. IN AREAS NOT ACCESSIBLE TO THE PUBLIC, HOSE BIBBS MAY BE PERMITTED PROVIDED THEY ARE PROPERLY IDENTIFIED WITH PERMANENTLY AFFIXED TAGS, LABELS, OR PLATES WITH THE WORDING "RECYCLED WATER - DO NOT DRINK" IN ENGLISH AND SYMBOL.

12. EXPOSURE OF DRINKING FOUNTAINS AND PICNIC TABLES TO DIRECT RECYCLED WATER SPRAY SHALL BE MINIMIZED BY A COMBINATION OF SELECTIVE LOCATION OF SUCH EQUIPMENT AND BY APPROPRIATE IRRIGATION SYSTEM DESIGN.
    - RECYCLED WATER SPRAYING SHALL BE DONE IN HOURS OF LEAST PUBLIC EXPOSURE.
    - AREAS WHERE RECYCLED WATER IS RELEASED, USED OR IMPOUNDED SHALL BE POSTED (E.G., RECYCLED WATER - DO NOT DRINK), TO INFORM THE PUBLIC THAT RECYCLED WATER IS BEING USED.
    - IRRIGATION PRACTICE SHALL BE CONTROLLED TO PREVENT SURFACE RUNOFF OF RECYCLED WATER FROM LANDS OWNED OR CONTROLLED BY THE USER

13. DUAL PLUMBED FACILITIES:
    - AN ENGINEERING REPORT SHALL BE SUBMITTED TO BOTH LOS ANGELES COUNTY AND STATE OF CALIFORNIA PUBLIC HEALTH DEPARTMENTS FOR REVIEW IN ADDITION TO THE PROJECT PLAN SUBMITTAL.
    - ALL RECYCLED WATER SUPPLY LINES SHALL BE BARBERSHOP WRAPPED WITH LABELING CLEARLY MARKED.
    - BACKUP SUPPLY FROM A DOMESTIC SOURCE SHALL CONSIST OF A TANK WHICH IS PROPERLY AIR GAPPED.
    - ALL CONTROL VALVES ON RECYCLED SYSTEM SHALL BE TAMPER PROOF BY THE USE OF SEALS.
    - SEPARATE RECYCLED WATER METERS MAY BE REQUIRED; ONE DEDICATED FOR IRRIGATION AND THE OTHER FOR INTERNAL USE.

14. BACKFLOW PROTECTION
    - THERE SHALL BE NO INTERCONNECTION BETWEEN THE POTABLE WATER SYSTEM AND THE RECYCLED WATER SYSTEM WITHIN THE USER'S PREMISES. AN APPROVED BACKFLOW DEVICE IS REQUIRED ON ALL DOMESTIC WATER AND FIRE WATER SYSTEMS.
    - A PRESSURE TEST MUST BE UTILIZED TO CONFIRM THE PHYSICAL SEPARATION OF THE RECYCLED AND POTABLE WATER SYSTEMS. SAID TESTING SHALL BE PERFORMED IN CONJUNCTION WITH THE WATER PURVEYOR AND THIS DEPARTMENT AND CONDUCTED BEFORE THE INTRODUCTION OF RECYCLED WATER.
    - CONTACT THE LOCAL WATER PURVEYOR REGARDING REQUIRED BACKFLOW PROTECTION AT THE POTABLE WATER SERVICE CONNECTION(S) TO RECYCLED WATER USE SITES.
    - IN ORDER TO MAINTAIN THE WATER QUALITY IN A RECYCLED WATER DISTRIBUTION SYSTEM A BACKFLOW PREVENTION DEVICE(S) MAY BE REQUIRED AT THE RECYCLED WATER METER OR AT SPECIFIC ON-SITE LOCATIONS WHERE SAID USE COULD DEGRADE THE QUALITY OF THE RECYCLED WATER SUPPLY.

15. WATER SUPERVISOR
    - ALL DESIGNATED RECYCLED WATER SUPERVISORS SHALL PROVIDE PROOF OF TRAINING IN THE USE OF RECYCLED WATER, THE MAINTENANCE OF THE SITE UNDER THEIR CARE AND CODE COMPLIANCE AS OUTLINED BY COUNTY AND STATE REGULATIONS FOR THE PROPER USE OF RECYCLED WATER SYSTEMS.

COUNTY OF LOS ANGELES - DEPARTMENT OF HEALTH SERVICES PUBLIC HEALTH
PROGRAMS AND SERVICES - ENVIRONMENTAL HEALTH CROSS-CONNECTION &
WATER POLLUTION CONTROL PROGRAM
5050 COMMERCE DRIVE, BALDWIN PARK, CA 91706 (626) 430-5290

GUIDELINES FOR PROPOSED RECYCLED WATER SYSTEMS

ALL IRRIGATION SYSTEMS CONVERTED TO RECYCLED WATER SHALL BE INSTALLED IN ACCORDANCE WITH CURRENT REGULATIONS AND ENVIRONMENTAL HEALTH GUIDANCE POLICIES RELATED TO RECYCLED WATER INCLUDING, BUT NOT LIMITED TO, THE REQUIREMENTS FOR COLOR CODING AND LABELING, SEPARATION FROM DOMESTIC WATER LINES AND SEWERS, AND INSTALLATION OF APPROPRIATE BACKFLOW PROTECTION. A CONNECTION BETWEEN A DOMESTIC WATER SUPPLY AND A FUTURE RECYCLED WATER MAIN SHALL BE DESIGNED IN ACCORDANCE WITH THE FOLLOWING:

1. PRIOR TO BEING SUPPLIED WITH RECYCLED WATER, ALL PROPOSED RECYCLED WATER IRRIGATION SYSTEMS SHALL BE TEMPORARILY SUPPLIED FROM A DOMESTIC WATER SYSTEM THROUGH AN APPROVED AND DEDICATED REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER UNTIL THE SYSTEM HAS BEEN CHECKED FOR CROSS-CONNECTIONS.

2. DETAILED PLANS AND SPECIFICATIONS FOR THE DISTRIBUTION SYSTEM AND CONNECTIONS SHALL BE SUBMITTED TO THIS DEPARTMENT PRIOR TO CONSTRUCTION. REFERENCE THE A GUIDE FOR THE SAFE REC CLED WASTEWATER USE, PIPELINE CONSTRUCTION AND INSTALLATION.

3. A REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTION ASSEMBLY SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATION ON ALL DOMESTIC WATER SERVICES LOCATED AT THE PARCEL BOUNDARY.

4. A DOUBLE CHECK ASSEMBLY OR A DOUBLE CHECK DETECTOR CHECK ASSEMBLY SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATION ON ALL FIRE MAINS AND LOCATED AT THE PARCEL BOUNDARY.

5. THIS DEPARTMENT SHALL BE NOTIFIED PRIOR TO THE CONVERSION FROM THE TEMPORARY DOMESTIC WATER USE IN THE RECYCLED IRRIGATION SYSTEM TO RECYCLED WATER.

PRESSURE TEST ON NEW R W SYSTEMS AND/OR AT CONVERSION OF POTABLE TO R W SYSTEMS

BEFORE CONNECTING THE USER'S RECYCLED WATER SYSTEM TO THE SUPPLIER'S RECYCLED WATER SYSTEM, A SEPARATION TEST SHALL BE PERFORMED. THIS TEST IS TO ENSURE THE ABSOLUTE SEPARATION OF THE PROPOSED RECYCLED AND POTABLE WATER SYSTEMS. THE SEPARATION TEST SHALL BE DONE UNDER THE SUPERVISION OF THIS DEPARTMENT USING THE FOLLOWING PROCEDURE (ON CONVERSIONS THIS PROCEDURE IS USUALLY COMPLETED AS A PRELIMINARY INSPECTION WHICH WOULD COINCIDE WITH THE PLAN CHECK PROCESS):

1. POTABLE WATER SHALL BE USED DURING THE INITIAL TESTING OF THE PROPOSED ON-SITE RECYCLED WATER SYSTEM. WITH THE POTABLE WATER SYSTEM SEPARATED FROM THE PROPOSED RECYCLED WATER SYSTEM BY AN APPROVED REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER IN THE MANNER AS DESCRIBED ABOVE.

2. THE PROPOSED RECYCLED WATER SYSTEM SHALL BE CHECKED COMPLETELY FOR FLOW TO INSURE THE PROPER OPERATION OF EACH WATER OUTLET, I.E. OPERATING THE CONTROL UNITS AND VERIFYING THE OPERATION OF EACH STATION, QUICK COUPLER, ETC.

3. ONCE THE PROPOSED RECYCLED WATER SYSTEM HAS BEEN VERIFIED TO OPERATE PROPERLY, THE PROPOSED RECYCLED WATER SYSTEM SHALL BE COMPLETELY DRAINED AND REMAIN DEACTIVATED FOR AN ADEQUATE PERIOD OF TIME TO BE SPECIFIED BY THIS DEPARTMENT. THE TIME SPECIFIED WOULD DEPEND ON THE SIZE AND COMPLEXITY OF THE SYSTEM. AT THIS POINT THERE WOULD BE NO-FLOW TO THE PROPOSED RECYCLED WATER SYSTEM AND POSITIVE FLOW TO THE DOMESTIC/POTABLE WATER SYSTEM.

4. AT THE END OF THE SHUTDOWN PERIOD, ALL OF THE PROPOSED RECYCLED WATER USES (EG, DEVICES OR STATIONS) SHALL BE TESTED, THROUGHOUT THE ENTIRE SITE, FOR CROSS-CONNECTIONS BY CHECKING FOR FLOW.

5. THE PROPOSED RECYCLED WATER INLET SHALL THEN BE CHECKED TO DETERMINE IF THERE IS ANY BACK PRESSURE OR SIGNIFICANT BACKFLOW OF WATER. IF THERE IS NO FLOW DETECTED AT THE INLET OR IN ANY OF THE USES THAT WOULD SUGGEST A CROSS- CONNECTION, THE PROPOSED RECYCLED WATER CONNECTION SHALL BE REACTIVATED.

6. THE DOMESTIC/POTABLE WATER SYSTEM SHALL BE CHECKED COMPLETELY FOR FLOW TO INSURE THE PROPER OPERATION OF EACH WATER OUTLET.

7. THE DOMESTIC/POTABLE WATER TO THE USE SITE WILL BE SHUT OFF AT THE POTABLE WATER BACKFLOW PREVENTION DEVICE. THE POTABLE SYSTEM SHALL BE COMPLETELY DRAINED AND THE SYSTEM WILL REMAIN DEACTIVATED FOR AN ADEQUATE PERIOD OF TIME TO BE SPECIFIED BY THIS DEPARTMENT. THE TIME SPECIFIED WOULD DEPEND ON THE SIZE AND COMPLEXITY OF THE SYSTEM. AT THIS POINT THERE WOULD BE NO-FLOW TO THE DOMESTIC/POTABLE SYSTEM AND POSITIVE FLOW TO THE PROPOSED RECYCLED WATER.

8. AT THE END OF THE SHUTDOWN PERIOD, ALL OF THE POTABLE WATER FIXTURES SHALL BE TESTED, THROUGHOUT THE USE SITE, FOR CROSS-CONNECTIONS BY OPERATING EACH FIXTURE AND CHECKING FOR FLOW.

9. THE POTABLE WATER INLET SHALL THEN BE CHECKED TO DETECT IF THERE IS BACK PRESSURE OR SIGNIFICANT BACKFLOW OF WATER. IF NO FLOW IS DETECTED AT THE INLET OR IN ANY OF THE FIXTURES THAT WOULD SUGGEST A CROSS-CONNECTION, THE POTABLE WATER CONNECTION SHALL BE REACTIVATED.

UPON SUCCESSFUL COMPLETION OF THE PRESSURE TEST, ENSURING NO CROSS-CONNECTIONS BETWEEN THE POTABLE AND RECYCLED WATER SYSTEMS, THE POTABLE WATER SUPPLY TO THE PROPOSED RECYCLED IRRIGATION SYSTEM SHALL THEN BE SEVERED. THE REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER REMOVED AND THE USER'S RECYCLED WATER SYSTEM CONNECTED TO THE WATER UTILITY'S RECYCLED WATER SYSTEM.

FOUR YEAR PRESSURE TEST OF SYSTEM

ON SITES WHERE BOTH RECYCLED WATER AND POTABLE WATER ARE PRESENT, A PERIODIC SEPARATION TEST SHALL BE PERFORMED. THIS TEST IS TO ENSURE THE ABSOLUTE SEPARATION OF THE RECYCLED AND POTABLE WATER SYSTEMS. THE SEPARATION TEST SHALL BE DONE UNDER THE SUPERVISION OF THIS DEPARTMENT USING THE FOLLOWING PROCEDURE:

1. THE RECYCLED WATER SYSTEM SHALL BE CHECKED FOR OPERATIONAL INTEGRITY AND THEN COMPLETELY DRAINED AND REMAIN DEACTIVATED FOR AN ADEQUATE PERIOD OF TIME TO BE SPECIFIED BY THIS DEPARTMENT.

2. AT THE END OF THE SHUTDOWN PERIOD, ALL OF THE RECYCLED WATER USES (E.G., DEVICES OR STATIONS) SHALL BE TESTED, THROUGHOUT THE ENTIRE SITE, FOR CROSS-CONNECTIONS BY CHECKING FOR FLOW.

3. THE RECYCLED WATER INLET SHALL THEN BE CHECKED TO DETERMINE IF THERE IS ANY BACK PRESSURE OR SIGNIFICANT BACKFLOW OF WATER. IF THERE IS NO FLOW DETECTED AT THE INLET OR IN ANY OF THE USES THAT WOULD SUGGEST A CROSS-CONNECTION, THE RECYCLED WATER CONNECTION SHALL BE REACTIVATED.

4. THE POTABLE WATER SHALL BE CHECKED FOR OPERATIONAL INTEGRITY AND THEN IT SHALL BE SHUT OFF AT THE POTABLE WATER METER. THE POTABLE SYSTEM SHALL BE COMPLETELY DRAINED AND THE SYSTEM WILL REMAIN DEACTIVATED FOR AN ADEQUATE PERIOD OF TIME TO BE SPECIFIED BY THIS DEPARTMENT.

5. AT THE END OF THE SHUTDOWN PERIOD, ALL OF THE POTABLE WATER FIXTURES SHALL BE TESTED, THROUGHOUT THE USE SITE, FOR CROSS-CONNECTIONS BY OPERATING EACH FIXTURE AND CHECKING FOR FLOW.

6. THE POTABLE WATER INLET SHALL THEN BE CHECKED TO DETECT IF THERE IS BACK PRESSURE OR SIGNIFICANT BACKFLOW OF WATER. IF NO FLOW IS DETECTED AT THE INLET OR IN ANY OF THE FIXTURES THAT WOULD SUGGEST A CROSS-CONNECTION, THE POTABLE WATER CONNECTION SHALL BE REACTIVATED.

EMERGENCY CROSS-CONNECTION RESPONSE PLAN: IN THE EVENT A BACKFLOW INCIDENT IS SUSPECTED OR OCCURS THE FOLLOWING PROCEDURES SHALL BE IMPLEMENTED IMMEDIATELY.

1. EEP POTABLE WATER S STEM PRESSURI ED AND POST DO NOT DRIN SIGNS AT ALL POTABLE WATER FIXTURES AND OUTLETS.
2. IMMEDIATELY SHUT DOWN THE RECYCLED WATER SYSTEM TO THE FACILITY AT THE METER.
3. THE WATER PURVEYOR SHALL COLLECT WATER SAMPLES AND PERFORM A 24-HOUR BACTERIOLOGICAL ANALYSIS. WATER SAMPLES SHOULD BE COLLECTED FROM THE CLOSEST ACCEPTABLE POINT TO THE CROSS-CONNECTION.
4. IDENTIFY THE CAUSE AND LOCATION OF BACKFLOW AND ELIMINATE THE CROSS-CONNECTION.
5. CONDUCT A CROSS-CONNECTION PRESSURE TEST TO VERIFY THAT ALL CROSS-CONNECTIONS WERE ELIMINATED.
6. IF THE BACTERIOLOGICAL ANALYSIS CONDUCTED IN STEP 3 IS POSITIVE, CHLORINATE THE POTABLE WATER SYSTEM MAINTAINING A CHLORINE RESIDUAL OF AT LEAST 50 MG/L FOR 24 HOURS. OTHERWISE PROCEED TO STEP 9.
7. FLUSH THE POTABLE WATER SYSTEM AFTER 24 HOURS AND PERFORM STANDARD BACTERIOLOGICAL ANALYSIS.
8. IF THE RESULTS FROM STEP 7 ARE ACCEPTABLE, PROCEED TO STEP 9. OTHERWISE, REPEAT STEP 6-7.
9. REMOVE WARNING SIGNS AND REACTIVATE SYSTEMS.

I HAVE COMPLIED WITH THE CRITERIA OF THE ORDINANCE AND APPLIED THEM FOR THE EFFICIENT USE OF WATER IN THE LANDSCAPE DESIGN PLANS.

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PAUL MURDOCH ARCHITECTS
6310 SAN VICENTE BLVD SUITE 400
LOS ANGELES, CALIFORNIA 90048
310 358-0993

THE DRAWINGS AND SPECIFICATIONS AND IDEAS, DESIGN, AND ARRANGEMENTS REPRESENTED THEREBY ARE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT, AND NO PART THEREOF SHALL BE COPIED, DISCLOSED TO OTHERS, OR USED IN CONNECTION WITH ANY WORK OR PROJECT THAN THE SPECIFIC PROJECT FOR WHICH THEY HAVE BEEN PREPARED AND DEVELOPED WITHOUT THE WRITTEN CONSENT OF THE ARCHITECT. VISUAL CONTACT WITH THESE DRAWINGS OR SPECIFICATIONS SHALL CONSTITUTE CONCLUSIVE EVIDENCE OF ACCEPTANCE OF THESE RESTRICTIONS. WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB AND THIS OFFICE MUST BE NOTIFIED OF ANY VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN BY THESE DRAWINGS. SHOP DETAILS MUST BE SUBMITTED TO THIS OFFICE FOR REVIEW BEFORE PROCEEDING WITH FABRICATION

LICENSED LANDSCAPE ARCHITECT
JOHN R. MATHER NO 5011
2/29/28
Renewal Date
06/01/26
Date
STATE OF CALIFORNIA

MIG
360 East Second Street
Suite 675
Los Angeles, CA 90012
213-694-3800
www.migcom.com

NO.	DATE	REVISION

MAGIC JOHNSON PARK MAKE READY & PARKING PROJECT

12416 AVALON BLVD.
LOS ANGELES, CA 90061

PMA PROJECT NO.
21023.01

DRAWING TITLE
LANDSCAPE IRRIGATION NOTES

SCALE
AS INDICATED

DATE
06/01/2026

DRAWN: WC
CHECKED: WC, EM

SHEET NO.
L2.01

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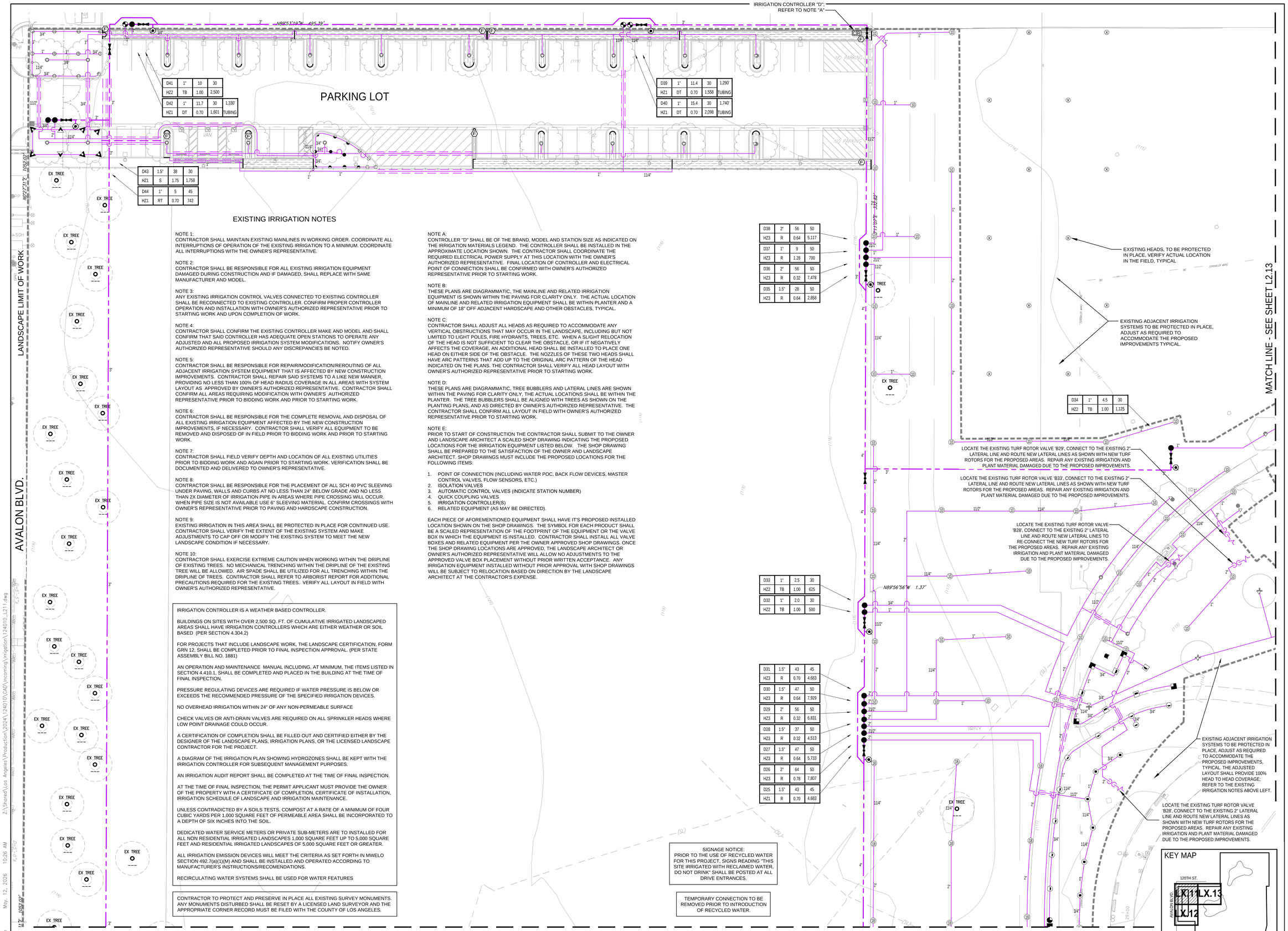

D41	1"	10	30
HZ2	TB	1.00	2,500
D42	1"	11.7	30
HZ1	DT	0.70	1,601

1,330' TUBING

D39	1"	11.4	30
HZ1	DT	0.70	1,558

1,290' TUBING

D40	1"	15.4	30
HZ1	DT	0.70	2,098

1,740' TUBING

D43	1.5"	38	30
HZ1	S	1.75	1,758
D44	1"	5	45
HZ1	RT	0.70	742

D38	2"	56	50
HZ3	R	0.64	5,117
D37	1"	9	50
HZ3	R	1.28	700
D36	2"	56	50
HZ3	R	0.32	7,478
D35	1.5"	28	50
HZ3	R	0.64	2,858

D34	1"	4.5	30
HZ2	TB	1.00	1,125

D33	1"	2.5	30
HZ2	TB	1.00	625
D32	1"	2.0	30
HZ2	TB	1.00	500

D31	1.5"	43	45
HZ3	R	0.70	4,683
D30	1.5"	47	50
HZ3	R	0.64	7,929
D29	2"	56	50
HZ3	R	0.32	6,831
D28	1.5"	37	50
HZ3	R	0.32	4,513
D27	1.5"	47	50
HZ3	R	0.64	5,733
D26	2"	64	50
HZ3	R	0.78	7,807
D25	1.5"	43	45
HZ1	R	0.70	4,683

EXISTING IRRIGATION NOTES

NOTE 1:
CONTRACTOR SHALL MAINTAIN EXISTING MAINLINES IN WORKING ORDER. COORDINATE ALL INTERRUPTIONS OF OPERATION OF THE EXISTING IRRIGATION TO A MINIMUM. COORDINATE ALL INTERRUPTIONS WITH THE OWNER'S REPRESENTATIVE.

NOTE 2:
CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EXISTING IRRIGATION EQUIPMENT DAMAGED DURING CONSTRUCTION AND IF DAMAGED, SHALL REPLACE WITH SAME MANUFACTURER AND MODEL.

NOTE 3:
ANY EXISTING IRRIGATION CONTROL VALVES CONNECTED TO EXISTING CONTROLLER SHALL BE RECONNECTED TO EXISTING CONTROLLER. CONFIRM PROPER CONTROLLER OPERATION AND INSTALLATION WITH OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO STARTING WORK AND UPON COMPLETION OF WORK.

NOTE 4:
CONTRACTOR SHALL CONFIRM THE EXISTING CONTROLLER MAKE AND MODEL AND SHALL CONFIRM THAT SAID CONTROLLER HAS ADEQUATE OPEN STATIONS TO OPERATE ANY ADJUSTED AND ALL PROPOSED IRRIGATION SYSTEM MODIFICATIONS. NOTIFY OWNER'S AUTHORIZED REPRESENTATIVE SHOULD ANY DISCREPANCIES BE NOTED.

NOTE 5:
CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR/MODIFICATION/REROUTING OF ALL ADJACENT IRRIGATION SYSTEM EQUIPMENT THAT IS AFFECTED BY NEW CONSTRUCTION IMPROVEMENTS. CONTRACTOR SHALL REPAIR SAID SYSTEMS TO A LIKE NEW MANNER, PROVIDING NO LESS THAN 100% OF HEAD RADIUS COVERAGE IN ALL AREAS WITH SYSTEM LAYOUT AS APPROVED BY OWNER'S AUTHORIZED REPRESENTATIVE. CONTRACTOR SHALL CONFIRM ALL AREAS REQUIRING MODIFICATION WITH OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO BIDDING WORK AND PRIOR TO STARTING WORK.

NOTE 6:
CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE REMOVAL AND DISPOSAL OF ALL EXISTING IRRIGATION EQUIPMENT AFFECTED BY THE NEW CONSTRUCTION IMPROVEMENTS, IF NECESSARY. CONTRACTOR SHALL VERIFY ALL EQUIPMENT TO BE REMOVED AND DISPOSED OF IN FIELD PRIOR TO BIDDING WORK AND PRIOR TO STARTING WORK.

NOTE 7:
CONTRACTOR SHALL FIELD VERIFY DEPTH AND LOCATION OF ALL EXISTING UTILITIES PRIOR TO BIDDING WORK AND AGAIN PRIOR TO STARTING WORK. VERIFICATION SHALL BE DOCUMENTED AND DELIVERED TO OWNER'S REPRESENTATIVE.

NOTE 8:
CONTRACTOR SHALL BE RESPONSIBLE FOR THE PLACEMENT OF ALL SCH 40 PVC SLEEVING UNDER PAVING, WALLS AND CURBS AT NO LESS THAN 24" BELOW GRADE AND NO LESS THAN 2X DIAMETER OF IRRIGATION PIPE IN AREAS WHERE PIPE CROSSING WILL OCCUR. WHEN PIPE SIZE IS NOT AVAILABLE USE 6" SLEEVING MATERIAL. CONFIRM CROSSINGS WITH OWNER'S REPRESENTATIVE PRIOR TO PAVING AND HARDSCAPE CONSTRUCTION.

NOTE 9:
EXISTING IRRIGATION IN THIS AREA SHALL BE PROTECTED IN PLACE FOR CONTINUED USE. CONTRACTOR SHALL VERIFY THE EXTENT OF THE EXISTING SYSTEM AND MAKE ADJUSTMENTS TO CAP OFF OR MODIFY THE EXISTING SYSTEM TO MEET THE NEW LANDSCAPE CONDITION IF NECESSARY.

NOTE 10:
CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHEN WORKING WITHIN THE DRIPLINE OF EXISTING TREES. NO MECHANICAL TRENCHING WITHIN THE DRIPLINE OF THE EXISTING TREE WILL BE ALLOWED. AIR SPADE SHALL BE UTILIZED FOR ALL TRENCHING WITHIN THE DRIPLINE OF TREES. CONTRACTOR SHALL REFER TO ARBORIST REPORT FOR ADDITIONAL PRECAUTIONS REQUIRED FOR THE EXISTING TREES. VERIFY ALL LAYOUT IN FIELD WITH OWNER'S AUTHORIZED REPRESENTATIVE.

NOTE A:
CONTROLLER "D" SHALL BE OF THE BRAND, MODEL AND STATION SIZE AS INDICATED ON THE IRRIGATION MATERIALS LEGEND. THE CONTROLLER SHALL BE INSTALLED IN THE APPROXIMATE LOCATION SHOWN. THE CONTRACTOR SHALL COORDINATE THE REQUIRED ELECTRICAL POWER SUPPLY AT THIS LOCATION WITH THE OWNER'S AUTHORIZED REPRESENTATIVE. FINAL LOCATION OF CONTROLLER AND ELECTRICAL POINT OF CONNECTION SHALL BE CONFIRMED WITH OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO STARTING WORK.

NOTE B:
THESE PLANS ARE DIAGRAMMATIC, THE MAINLINE AND RELATED IRRIGATION EQUIPMENT IS SHOWN WITHIN THE PAVING FOR CLARITY ONLY. THE ACTUAL LOCATION OF MAINLINE AND RELATED IRRIGATION EQUIPMENT SHALL BE WITHIN THE PLANTER AND A MINIMUM OF 18" OFF ADJACENT HARDSCAPE AND OTHER OBSTACLES, TYPICAL.

NOTE C:
CONTRACTOR SHALL ADJUST ALL HEADS AS REQUIRED TO ACCOMMODATE ANY VERTICAL OBSTRUCTIONS THAT MAY OCCUR IN THE LANDSCAPE, INCLUDING BUT NOT LIMITED TO LIGHT POLES, FIRE HYDRANTS, TREES, ETC. WHEN A SLIGHT RELOCATION OF THE HEAD IS NOT SUFFICIENT TO CLEAR THE OBSTACLE, OR IF IT NEGATIVELY AFFECTS THE COVERAGE, AN ADDITIONAL HEAD SHALL BE INSTALLED TO PLACE ONE HEAD ON EITHER SIDE OF THE OBSTACLE. THE NOZZLES OF THESE TWO HEADS SHALL HAVE ARC PATTERNS THAT ADD UP TO THE ORIGINAL ARC PATTERN OF THE HEAD INDICATED ON THE PLANS. THE CONTRACTOR SHALL VERIFY ALL HEAD LAYOUT WITH OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO STARTING WORK.

NOTE D:
THESE PLANS ARE DIAGRAMMATIC, TREE BUBBLERS AND LATERAL LINES ARE SHOWN WITHIN THE PAVING FOR CLARITY ONLY, THE ACTUAL LOCATIONS SHALL BE WITHIN THE PLANTER. THE TREE BUBBLERS SHALL BE ALIGNED WITH TREES AS SHOWN ON THE PLANTING PLANS, AND AS DIRECTED BY OWNER'S AUTHORIZED REPRESENTATIVE. THE CONTRACTOR SHALL CONFIRM ALL LAYOUT IN FIELD WITH OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO STARTING WORK.

NOTE E:
PRIOR TO START OF CONSTRUCTION THE CONTRACTOR SHALL SUBMIT TO THE OWNER AND LANDSCAPE ARCHITECT A SCALED SHOP DRAWING INDICATING THE PROPOSED LOCATIONS FOR THE IRRIGATION EQUIPMENT LISTED BELOW. THE SHOP DRAWING SHALL BE PREPARED TO THE SATISFACTION OF THE OWNER AND LANDSCAPE ARCHITECT. SHOP DRAWINGS MUST INCLUDE THE PROPOSED LOCATIONS FOR THE FOLLOWING ITEMS:

1. POINT OF CONNECTION (INCLUDING WATER POC, BACK FLOW DEVICES, MASTER CONTROL VALVES, FLOW SENSORS, ETC.)
2. ISOLATION VALVES
3. AUTOMATIC CONTROL VALVES (INDICATE STATION NUMBER)
4. QUICK COUPLING VALVES
5. IRRIGATION CONTROLLER(S)
6. RELATED EQUIPMENT (AS MAY BE DIRECTED).

EACH PIECE OF AFOREMENTIONED EQUIPMENT SHALL HAVE IT'S PROPOSED INSTALLED LOCATION SHOWN ON THE SHOP DRAWINGS. THE SYMBOL FOR EACH PRODUCT SHALL BE A SCALED REPRESENTATION OF THE FOOTPRINT OF THE EQUIPMENT OR THE VALVE BOX IN WHICH THE EQUIPMENT IS INSTALLED. CONTRACTOR SHALL INSTALL ALL VALVE BOXES AND RELATED EQUIPMENT PER THE OWNER APPROVED SHOP DRAWINGS. ONCE THE SHOP DRAWING LOCATIONS ARE APPROVED, THE LANDSCAPE ARCHITECT OR OWNER'S AUTHORIZED REPRESENTATIVE WILL ALLOW NO ADJUSTMENTS TO THE APPROVED VALVE BOX PLACEMENT WITHOUT PRIOR WRITTEN ACCEPTANCE. ANY IRRIGATION EQUIPMENT INSTALLED WITHOUT PRIOR APPROVAL WITH SHOP DRAWINGS WILL BE SUBJECT TO RELOCATION BASED ON DIRECTION BY THE LANDSCAPE ARCHITECT AT THE CONTRACTOR'S EXPENSE.

IRRIGATION CONTROLLER IS A WEATHER BASED CONTROLLER.

BUILDINGS ON SITES WITH OVER 2,500 SQ. FT. OF CUMULATIVE IRRIGATED LANDSCAPED AREAS SHALL HAVE IRRIGATION CONTROLLERS WHICH ARE EITHER WEATHER OR SOIL BASED (PER SECTION 4.304.2)

FOR PROJECTS THAT INCLUDE LANDSCAPE WORK, THE LANDSCAPE CERTIFICATION, FORM GRN 12, SHALL BE COMPLETED PRIOR TO FINAL INSPECTION APPROVAL. (PER STATE ASSEMBLY BILL NO. 1881)

AN OPERATION AND MAINTENANCE MANUAL INCLUDING, AT MINIMUM, THE ITEMS LISTED IN SECTION 4.410.1, SHALL BE COMPLETED AND PLACED IN THE BUILDING AT THE TIME OF FINAL INSPECTION.

PRESSURE REGULATING DEVICES ARE REQUIRED IF WATER PRESSURE IS BELOW OR EXCEEDS THE RECOMMENDED PRESSURE OF THE SPECIFIED IRRIGATION DEVICES.

NO OVERHEAD IRRIGATION WITHIN 24" OF ANY NON-PERMEABLE SURFACE

CHECK VALVES OR ANTI-DRAIN VALVES ARE REQUIRED ON ALL SPRINKLER HEADS WHERE LOW POINT DRAINAGE COULD OCCUR.

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A DIAGRAM OF THE IRRIGATION PLAN SHOWING HYDROZONES SHALL BE KEPT WITH THE IRRIGATION CONTROLLER FOR SUBSEQUENT MANAGEMENT PURPOSES.

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UNLESS CONTRADICTED BY A SOILS TESTS, COMPOST AT A RATE OF A MINIMUM OF FOUR CUBIC YARDS PER 1,000 SQUARE FEET OF PERMEABLE AREA SHALL BE INCORPORATED TO A DEPTH OF SIX INCHES INTO THE SOIL.

DEDICATED WATER SERVICE METERS OR PRIVATE SUB-METERS ARE TO INSTALLED FOR ALL NON RESIDENTIAL IRRIGATED LANDSCAPES 1,000 SQUARE FEET UP TO 5,000 SQUARE FEET AND RESIDENTIAL IRRIGATED LANDSCAPES OF 5,000 SQUARE FEET OR GREATER.

ALL IRRIGATION EMISSION DEVICES WILL MEET THE CRITERIA AS SET FORTH IN MWELO SECTION 492.7(a)(1)(M) AND SHALL BE INSTALLED AND OPERATED ACCORDING TO MANUFACTURER'S INSTRUCTIONS/RECOMENDATIONS.

RECIRCULATING WATER SYSTEMS SHALL BE USED FOR WATER FEATURES

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

I HAVE COMPLIED WITH THE CRITERIA OF THE ORDINANCE AND APPLIED THEM FOR THE EFFICIENT USE OF WATER IN THE LANDSCAPE DESIGN PLANS.

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LICENSED LANDSCAPE ARCHITECT
JOHN R. MATHER NO 5117
2/29/28
Renewal Date
06/01/26
Date
STATE OF CALIFORNIA

MIG
360 East Second Street
Suite 675
Los Angeles, CA 90012
213-694-3800
www.migcom.com

NO.	DATE	REVISION

MAGIC JOHNSON PARK MAKE READY & PARKING PROJECT

12416 AVALON BLVD.
LOS ANGELES, CA 90061

PWA PROJECT NO: 21023.01

DRAWING TITLE: LANDSCAPE IRRIGATION PLAN

SCALE: AS INDICATED

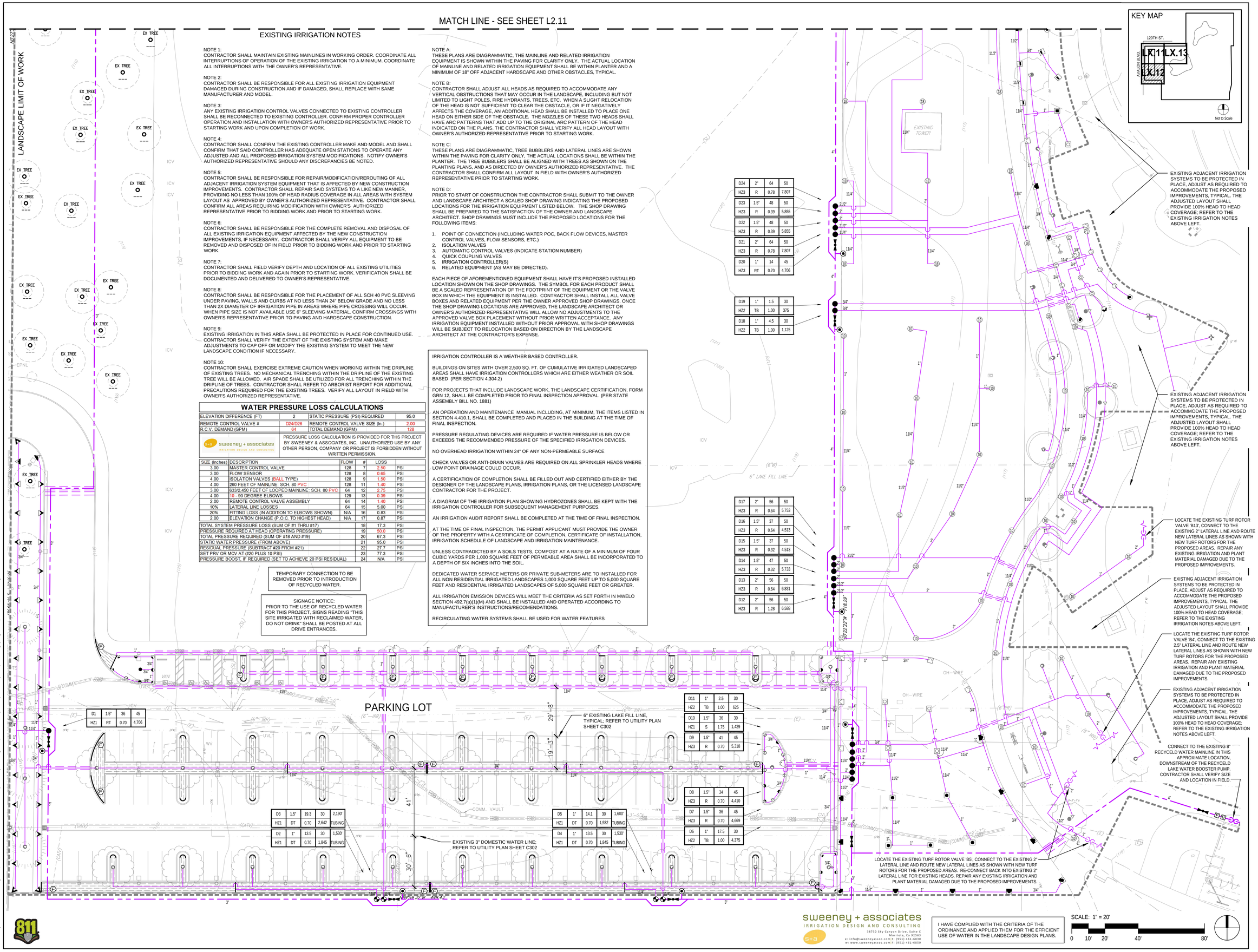
DATE: 06/01/2026

DRAWN: WC | CHECKED: WC, EM

SHEET NO. L2.11

Plotted by: wchan May. 12, 2026 10:26 AM Z:\Shared\Los Angeles\Production\2024\124010\CAD\Incoming\Irrigation\124010_L211.dwg

MATCH LINE - SEE SHEET L2.11



EXISTING IRRIGATION NOTES

NOTE 1:
CONTRACTOR SHALL MAINTAIN EXISTING MAINLINES IN WORKING ORDER. COORDINATE ALL INTERRUPTIONS OF OPERATION OF THE EXISTING IRRIGATION TO A MINIMUM. COORDINATE ALL INTERRUPTIONS WITH THE OWNER'S REPRESENTATIVE.

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CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EXISTING IRRIGATION EQUIPMENT DAMAGED DURING CONSTRUCTION AND IF DAMAGED, SHALL REPLACE WITH SAME MANUFACTURER AND MODEL.

NOTE 3:
ANY EXISTING IRRIGATION CONTROL VALVES CONNECTED TO EXISTING CONTROLLER SHALL BE RECONNECTED TO EXISTING CONTROLLER. CONFIRM PROPER CONTROLLER OPERATION AND INSTALLATION WITH OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO STARTING WORK AND UPON COMPLETION OF WORK.

NOTE 4:
CONTRACTOR SHALL CONFIRM THE EXISTING CONTROLLER MAKE AND MODEL AND SHALL CONFIRM THAT SAID CONTROLLER HAS ADEQUATE OPEN STATIONS TO OPERATE ANY ADJUSTED AND ALL PROPOSED IRRIGATION SYSTEM MODIFICATIONS. NOTIFY OWNER'S AUTHORIZED REPRESENTATIVE SHOULD ANY DISCREPANCIES BE NOTED.

NOTE 5:
CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR/MODIFICATION/REROUTING OF ALL ADJACENT IRRIGATION SYSTEM EQUIPMENT THAT IS AFFECTED BY NEW CONSTRUCTION IMPROVEMENTS. CONTRACTOR SHALL REPAIR SAID SYSTEMS TO A LIKE NEW MANNER, PROVIDING NO LESS THAN 100% OF HEAD RADIUS COVERAGE IN ALL AREAS WITH SYSTEM LAYOUT AS APPROVED BY OWNER'S AUTHORIZED REPRESENTATIVE. CONTRACTOR SHALL CONFIRM ALL AREAS REQUIRING MODIFICATION WITH OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO BIDDING WORK AND PRIOR TO STARTING WORK.

NOTE 6:
CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE REMOVAL AND DISPOSAL OF ALL EXISTING IRRIGATION EQUIPMENT AFFECTED BY THE NEW CONSTRUCTION IMPROVEMENTS, IF NECESSARY. CONTRACTOR SHALL VERIFY ALL EQUIPMENT TO BE REMOVED AND DISPOSED OF IN FIELD PRIOR TO BIDDING WORK AND PRIOR TO STARTING WORK.

NOTE 7:
CONTRACTOR SHALL FIELD VERIFY DEPTH AND LOCATION OF ALL EXISTING UTILITIES PRIOR TO BIDDING WORK AND AGAIN PRIOR TO STARTING WORK. VERIFICATION SHALL BE DOCUMENTED AND DELIVERED TO OWNER'S REPRESENTATIVE.

NOTE 8:
CONTRACTOR SHALL BE RESPONSIBLE FOR THE PLACEMENT OF ALL SCH 40 PVC SLEEVING UNDER PAVING, WALLS AND CURBS AT NO LESS THAN 24" BELOW GRADE AND NO LESS THAN 2X DIAMETER OF IRRIGATION PIPE IN AREAS WHERE PIPE CROSSING WILL OCCUR. WHEN PIPE SIZE IS NOT AVAILABLE USE 6" SLEEVING MATERIAL. CONFIRM CROSSINGS WITH OWNER'S REPRESENTATIVE PRIOR TO PAVING AND HARDSCAPE CONSTRUCTION.

NOTE 9:
EXISTING IRRIGATION IN THIS AREA SHALL BE PROTECTED IN PLACE FOR CONTINUED USE. CONTRACTOR SHALL VERIFY THE EXTENT OF THE EXISTING SYSTEM AND MAKE ADJUSTMENTS TO CAP OFF OR MODIFY THE EXISTING SYSTEM TO MEET THE NEW LANDSCAPE CONDITION IF NECESSARY.

NOTE 10:
CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHEN WORKING WITHIN THE DRIPLINE OF EXISTING TREES. NO MECHANICAL TRENCHING WITHIN THE DRIPLINE OF THE EXISTING TREE WILL BE ALLOWED. AIR SPADE SHALL BE UTILIZED FOR ALL TRENCHING WITHIN THE DRIPLINE OF TREES. CONTRACTOR SHALL REFER TO ARBORIST REPORT FOR ADDITIONAL PRECAUTIONS REQUIRED FOR THE EXISTING TREES. VERIFY ALL LAYOUT IN FIELD WITH OWNER'S AUTHORIZED REPRESENTATIVE.

NOTE A:
THESE PLANS ARE DIAGRAMMATIC, THE MAINLINE AND RELATED IRRIGATION EQUIPMENT IS SHOWN WITHIN THE PAVING FOR CLARITY ONLY. THE ACTUAL LOCATION OF MAINLINE AND RELATED IRRIGATION EQUIPMENT SHALL BE WITHIN PLANTER AND A MINIMUM OF 18" OFF ADJACENT HARDSCAPE AND OTHER OBSTACLES, TYPICAL.

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NOTE C:
THESE PLANS ARE DIAGRAMMATIC, TREE BUBBLERS AND LATERAL LINES ARE SHOWN WITHIN THE PAVING FOR CLARITY ONLY, THE ACTUAL LOCATIONS SHALL BE WITHIN THE PLANTER. THE TREE BUBBLERS SHALL BE ALIGNED WITH TREES AS SHOWN ON THE PLANTING PLANS, AND AS DIRECTED BY OWNER'S AUTHORIZED REPRESENTATIVE. THE CONTRACTOR SHALL CONFIRM ALL LAYOUT IN FIELD WITH OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO STARTING WORK.

NOTE D:
PRIOR TO START OF CONSTRUCTION THE CONTRACTOR SHALL SUBMIT TO THE OWNER AND LANDSCAPE ARCHITECT A SCALED SHOP DRAWING INDICATING THE PROPOSED LOCATIONS FOR THE IRRIGATION EQUIPMENT LISTED BELOW. THE SHOP DRAWING SHALL BE PREPARED TO THE SATISFACTION OF THE OWNER AND LANDSCAPE ARCHITECT. SHOP DRAWINGS MUST INCLUDE THE PROPOSED LOCATIONS FOR THE FOLLOWING ITEMS:

1. POINT OF CONNECTION (INCLUDING WATER POC, BACK FLOW DEVICES, MASTER CONTROL VALVES, FLOW SENSORS, ETC.)
2. ISOLATION VALVES
3. AUTOMATIC CONTROL VALVES (INDICATE STATION NUMBER)
4. QUICK COUPLING VALVES
5. IRRIGATION CONTROLLER(S)
6. RELATED EQUIPMENT (AS MAY BE DIRECTED).

EACH PIECE OF AFOREMENTIONED EQUIPMENT SHALL HAVE IT'S PROPOSED INSTALLED LOCATION SHOWN ON THE SHOP DRAWINGS. THE SYMBOL FOR EACH PRODUCT SHALL BE A SCALED REPRESENTATION OF THE FOOTPRINT OF THE EQUIPMENT OR THE VALVE BOX IN WHICH THE EQUIPMENT IS INSTALLED. CONTRACTOR SHALL INSTALL ALL VALVE BOXES AND RELATED EQUIPMENT PER THE OWNER APPROVED SHOP DRAWINGS. ONCE THE SHOP DRAWING LOCATIONS ARE APPROVED, THE LANDSCAPE ARCHITECT OR OWNER'S AUTHORIZED REPRESENTATIVE WILL ALLOW NO ADJUSTMENTS TO THE APPROVED VALVE BOX PLACEMENT WITHOUT PRIOR WRITTEN ACCEPTANCE. ANY IRRIGATION EQUIPMENT INSTALLED WITHOUT PRIOR APPROVAL WITH SHOP DRAWINGS WILL BE SUBJECT TO RELOCATION BASED ON DIRECTION BY THE LANDSCAPE ARCHITECT AT THE CONTRACTOR'S EXPENSE.

WATER PRESSURE LOSS CALCULATIONS

ELEVATION DIFFERENCE (FT)	2	STATIC PRESSURE (PSI) REQUIRED	95.0
REMOTE CONTROL VALVE #	D24/D26	REMOTE CONTROL VALVE SIZE (In.)	2.00
R.C.V. DEMAND (GPM)	64	TOTAL DEMAND (GPM)	128

sweeney + associates — IRRIGATION DESIGN AND CONSULTING

PRESSURE LOSS CALCULATION IS PROVIDED FOR THIS PROJECT BY SWEENEY & ASSOCIATES, INC. UNAUTHORIZED USE BY ANY OTHER PERSON, COMPANY OR PROJECT IS FORBIDDEN WITHOUT WRITTEN PERMISSION.

SIZE (Inches)	DESCRIPTION	FLOW	#	LOSS	
3.00	MASTER CONTROL VALVE	128	7	2.50	PSI
3.00	FLOW SENSOR	128	8	0.65	PSI
4.00	ISOLATION VALVES (BALL TYPE)	128	9	1.50	PSI
4.00	260 FEET OF MAINLINE: SCH. 80 PVC	128	11	1.40	PSI
3.00	633/2,450 FEET OF LOOPED MAINLINE: SCH. 80 PVC	64	12	2.75	PSI
4.00	10 - 90 DEGREE ELBOWS	129	13	0.39	PSI
2.00	REMOTE CONTROL VALVE ASSEMBLY	64	14	1.40	PSI
10%	LATERAL LINE LOSSES	64	15	5.00	PSI
20%	FITTING LOSS (IN ADDITION TO ELBOWS SHOWN)	N/A	16	0.83	PSI
2.00	ELEVATION CHANGE (P.O.C. TO HIGHEST HEAD)	N/A	17	0.87	PSI
TOTAL SYSTEM PRESSURE LOSS (SUM OF #1 THRU #17)			18	17.3	PSI
PRESSURE REQUIRED AT HEAD (OPERATING PRESSURE)			19	50.0	PSI
TOTAL PRESSURE REQUIRED (SUM OF #18 AND #19)			20	67.3	PSI
STATIC WATER PRESSURE (FROM ABOVE)			21	95.0	PSI
RESIDUAL PRESSURE (SUBTRACT #20 FROM #21)			22	27.7	PSI
SET PRV OR DEV AT (#20 PLUS 10 PSI)			23	77.3	PSI
PRESSURE BOOST, IF REQUIRED (SET TO ACHIEVE 20 PSI RESIDUAL)			24	N/A	PSI

TEMPORARY CONNECTION TO BE REMOVED PRIOR TO INTRODUCTION OF RECYCLED WATER.

SIGNAGE NOTICE:
PRIOR TO THE USE OF RECYCLED WATER FOR THIS PROJECT, SIGNS READING "THIS SITE IRRIGATED WITH RECLAIMED WATER, DO NOT DRINK" SHALL BE POSTED AT ALL DRIVE ENTRANCES.

IRRIGATION CONTROLLER IS A WEATHER BASED CONTROLLER.

BUILDINGS ON SITES WITH OVER 2,500 SQ. FT. OF CUMULATIVE IRRIGATED LANDSCAPED AREAS SHALL HAVE IRRIGATION CONTROLLERS WHICH ARE EITHER WEATHER OR SOIL BASED (PER SECTION 4.304.2)

FOR PROJECTS THAT INCLUDE LANDSCAPE WORK, THE LANDSCAPE CERTIFICATION, FORM GRN 12, SHALL BE COMPLETED PRIOR TO FINAL INSPECTION APPROVAL. (PER STATE ASSEMBLY BILL NO. 1881)

AN OPERATION AND MAINTENANCE MANUAL INCLUDING, AT MINIMUM, THE ITEMS LISTED IN SECTION 4.410.1, SHALL BE COMPLETED AND PLACED IN THE BUILDING AT THE TIME OF FINAL INSPECTION.

PRESSURE REGULATING DEVICES ARE REQUIRED IF WATER PRESSURE IS BELOW OR EXCEEDS THE RECOMMENDED PRESSURE OF THE SPECIFIED IRRIGATION DEVICES.

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D24	2"	64	50
HZ3	R	0.78	7,807
D23	1.5"	48	50
HZ3	R	0.39	5,855
D22	1.5"	48	50
HZ3	R	0.39	5,855
D21	2"	64	50
HZ3	R	0.78	7,807
D20	1"	14	45
HZ3	RT	0.70	4,706
D19	1"	1.5	30
HZ2	TB	1.00	375
D18	1"	4.5	30
HZ2	TB	1.00	1,125
D17	2"	56	50
HZ3	R	0.64	5,753
D16	1.5"	37	50
HZ3	R	0.64	4,513
D15	1.5"	37	50
HZ3	R	0.32	4,513
D14	1.5"	47	50
HZ3	R	0.32	5,733
D13	2"	56	50
HZ3	R	0.64	6,831
D12	2"	56	50
HZ3	R	1.28	6,588
D11	1"	2.5	30
HZ2	TB	1.00	625
D10	1.5"	36	30
HZ1	S	1.75	1,429
D9	1.5"	41	45
HZ3	R	0.70	5,318
D8	1.5"	34	45
HZ3	R	0.70	4,410
D7	1.5"	36	45
HZ3	R	0.70	4,669
D6	1"	17.5	30
HZ2	TB	1.00	4,375
D5	1"	14.1	30	1,600'
HZ1	DT	0.70	1,932	TUBING
D4	1"	13.5	30	1,530'
HZ1	DT	0.70	1,845	TUBING
D3	1.5"	19.3	30	2,190'
HZ1	DT	0.70	2,642	TUBING
D2	1"	13.5	30	1,530'
HZ1	DT	0.70	1,845	TUBING
D1	1.5"	36	45
HZ1	RT	0.70	4,706

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I HAVE COMPLIED WITH THE CRITERIA OF THE ORDINANCE AND APPLIED THEM FOR THE EFFICIENT USE OF WATER IN THE LANDSCAPE DESIGN PLANS.

SCALE: 1" = 20'
0 10' 20' 40' 80'

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LOS ANGELES, CALIFORNIA 90048
310 358-0993

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LICENSED LANDSCAPE ARCHITECT
JOHN R. MATHER NO. 5178
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MAGIC JOHNSON PARK MAKE READY & PARKING PROJECT

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PMA PROJECT NO.
21023.01

DRAWING TITLE
LANDSCAPE IRRIGATION PLAN

SCALE
AS INDICATED

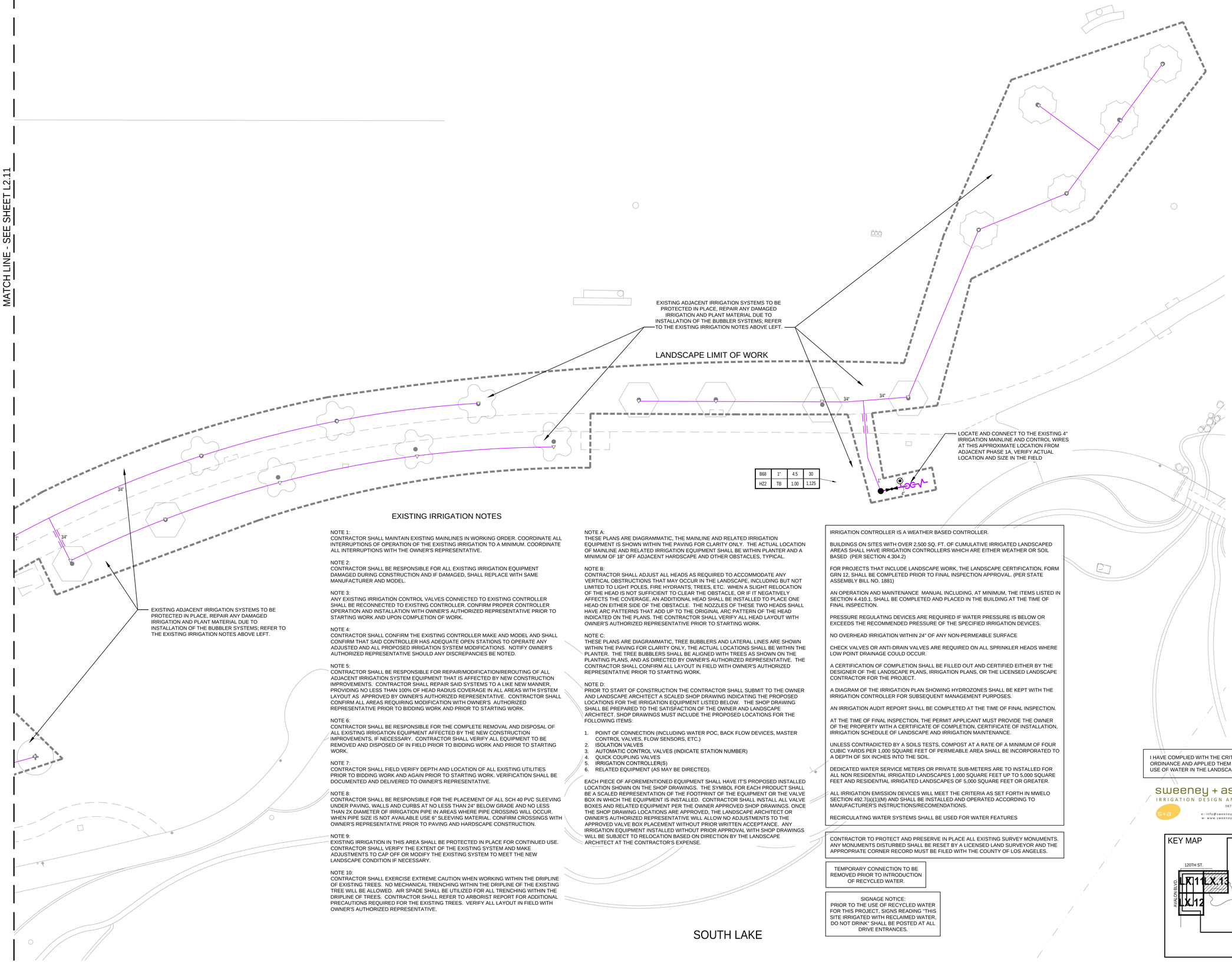
DATE
06/01/2026

DRAWN: WC
CHECKED: WC, EM

SHEET NO.
L2.12

Plotted by: wchan May. 12, 2026 10:49 AM Z:\Shared\Los Angeles\Production\2024\124010\CAD\Incoming\irrigation\124010_L212.dwg

MATCH LINE - SEE SHEET L2.11



B68	1"	4.5	30
HZ2	TB	1.00	1,125

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THESE PLANS ARE DIAGRAMMATIC, TREE BUBBLERS AND LATERAL LINES ARE SHOWN WITHIN THE PAVING FOR CLARITY ONLY, THE ACTUAL LOCATIONS SHALL BE WITHIN THE PLANTER. THE TREE BUBBLERS SHALL BE ALIGNED WITH TREES AS SHOWN ON THE PLANTING PLANS, AND AS DIRECTED BY OWNER'S AUTHORIZED REPRESENTATIVE. THE CONTRACTOR SHALL CONFIRM ALL LAYOUT IN FIELD WITH OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO STARTING WORK.

NOTE D:
PRIOR TO START OF CONSTRUCTION THE CONTRACTOR SHALL SUBMIT TO THE OWNER AND LANDSCAPE ARCHITECT A SCALED SHOP DRAWING INDICATING THE PROPOSED LOCATIONS FOR THE IRRIGATION EQUIPMENT LISTED BELOW. THE SHOP DRAWING SHALL BE PREPARED TO THE SATISFACTION OF THE OWNER AND LANDSCAPE ARCHITECT. SHOP DRAWINGS MUST INCLUDE THE PROPOSED LOCATIONS FOR THE FOLLOWING ITEMS:

1. POINT OF CONNECTION (INCLUDING WATER POC, BACK FLOW DEVICES, MASTER CONTROL VALVES, FLOW SENSORS, ETC.)
2. ISOLATION VALVES
3. AUTOMATIC CONTROL VALVES (INDICATE STATION NUMBER)
4. QUICK COUPLING VALVES
5. IRRIGATION CONTROLLER(S)
6. RELATED EQUIPMENT (AS MAY BE DIRECTED).

EACH PIECE OF AFOREMENTIONED EQUIPMENT SHALL HAVE IT'S PROPOSED INSTALLED LOCATION SHOWN ON THE SHOP DRAWINGS. THE SYMBOL FOR EACH PRODUCT SHALL BE A SCALED REPRESENTATION OF THE FOOTPRINT OF THE EQUIPMENT OR THE VALVE BOX IN WHICH THE EQUIPMENT IS INSTALLED. CONTRACTOR SHALL INSTALL ALL VALVE BOXES AND RELATED EQUIPMENT PER THE OWNER APPROVED SHOP DRAWINGS. ONCE THE SHOP DRAWING LOCATIONS ARE APPROVED, THE LANDSCAPE ARCHITECT OR OWNER'S AUTHORIZED REPRESENTATIVE WILL ALLOW NO ADJUSTMENTS TO THE APPROVED VALVE BOX PLACEMENT WITHOUT PRIOR WRITTEN ACCEPTANCE. ANY IRRIGATION EQUIPMENT INSTALLED WITHOUT PRIOR APPROVAL WITH SHOP DRAWINGS WILL BE SUBJECT TO RELOCATION BASED ON DIRECTION BY THE LANDSCAPE ARCHITECT AT THE CONTRACTOR'S EXPENSE.

IRRIGATION CONTROLLER IS A WEATHER BASED CONTROLLER.

BUILDINGS ON SITES WITH OVER 2,500 SQ. FT. OF CUMULATIVE IRRIGATED LANDSCAPED AREAS SHALL HAVE IRRIGATION CONTROLLERS WHICH ARE EITHER WEATHER OR SOIL BASED (PER SECTION 4.304.2)

FOR PROJECTS THAT INCLUDE LANDSCAPE WORK, THE LANDSCAPE CERTIFICATION, FORM GRN 12, SHALL BE COMPLETED PRIOR TO FINAL INSPECTION APPROVAL. (PER STATE ASSEMBLY BILL NO. 1881)

AN OPERATION AND MAINTENANCE MANUAL INCLUDING, AT MINIMUM, THE ITEMS LISTED IN SECTION 4.410.1, SHALL BE COMPLETED AND PLACED IN THE BUILDING AT THE TIME OF FINAL INSPECTION.

PRESSURE REGULATING DEVICES ARE REQUIRED IF WATER PRESSURE IS BELOW OR EXCEEDS THE RECOMMENDED PRESSURE OF THE SPECIFIED IRRIGATION DEVICES.

NO OVERHEAD IRRIGATION WITHIN 24" OF ANY NON-PERMEABLE SURFACE

CHECK VALVES OR ANTI-DRAIN VALVES ARE REQUIRED ON ALL SPRINKLER HEADS WHERE LOW POINT DRAINAGE COULD OCCUR.

A CERTIFICATION OF COMPLETION SHALL BE FILLED OUT AND CERTIFIED EITHER BY THE DESIGNER OF THE LANDSCAPE PLANS, IRRIGATION PLANS, OR THE LICENSED LANDSCAPE CONTRACTOR FOR THE PROJECT.

A DIAGRAM OF THE IRRIGATION PLAN SHOWING HYDROZONES SHALL BE KEPT WITH THE IRRIGATION CONTROLLER FOR SUBSEQUENT MANAGEMENT PURPOSES.

AN IRRIGATION AUDIT REPORT SHALL BE COMPLETED AT THE TIME OF FINAL INSPECTION.

AT THE TIME OF FINAL INSPECTION, THE PERMIT APPLICANT MUST PROVIDE THE OWNER OF THE PROPERTY WITH A CERTIFICATE OF COMPLETION, CERTIFICATE OF INSTALLATION, IRRIGATION SCHEDULE OF LANDSCAPE AND IRRIGATION MAINTENANCE.

UNLESS CONTRADICTED BY A SOILS TESTS, COMPOST AT A RATE OF A MINIMUM OF FOUR CUBIC YARDS PER 1,000 SQUARE FEET OF PERMEABLE AREA SHALL BE INCORPORATED TO A DEPTH OF SIX INCHES INTO THE SOIL.

DEDICATED WATER SERVICE METERS OR PRIVATE SUB-METERS ARE TO INSTALLED FOR ALL NON RESIDENTIAL IRRIGATED LANDSCAPES 1,000 SQUARE FEET UP TO 5,000 SQUARE FEET AND RESIDENTIAL IRRIGATED LANDSCAPES OF 5,000 SQUARE FEET OR GREATER.

ALL IRRIGATION EMISSION DEVICES WILL MEET THE CRITERIA AS SET FORTH IN MWELO SECTION 492.7(a)(1)(M) AND SHALL BE INSTALLED AND OPERATED ACCORDING TO MANUFACTURER'S INSTRUCTIONS/RECOMENDATIONS.

RECIRCULATING WATER SYSTEMS SHALL BE USED FOR WATER FEATURES

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

TEMPORARY CONNECTION TO BE REMOVED PRIOR TO INTRODUCTION OF RECYCLED WATER.

SIGNAGE NOTICE:
PRIOR TO THE USE OF RECYCLED WATER FOR THIS PROJECT, SIGNS READING "THIS SITE IRRIGATED WITH RECLAIMED WATER, DO NOT DRINK" SHALL BE POSTED AT ALL DRIVE ENTRANCES.

I HAVE COMPLIED WITH THE CRITERIA OF THE ORDINANCE AND APPLIED THEM FOR THE EFFICIENT USE OF WATER IN THE LANDSCAPE DESIGN PLANS.

sweeney + associates
IRRIGATION DESIGN AND CONSULTING
38730 Sky Canyon Drive, Suite C
Murrieta, Ca 92563
e: info@sweeneyassoc.com t: (951) 461-6830
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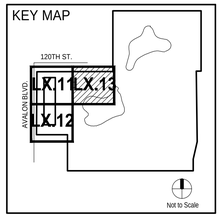
KEY MAP



SCALE: 1" = 20'

0 10' 20' 40' 80'

PAUL MURDOCH ARCHITECTS

6310 SAN VICENTE BLVD SUITE 400
LOS ANGELES, CALIFORNIA 90048
310 358-0993

THE DRAWINGS AND SPECIFICATIONS AND IDEAS, DESIGN, AND ARRANGEMENTS REPRESENTED THEREBY ARE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT, AND NO PART THEREOF SHALL BE COPIED, DISCLOSED TO OTHERS, OR USED IN CONNECTION WITH ANY WORK OR PROJECT THAN THE SPECIFIC PROJECT FOR WHICH THEY HAVE BEEN PREPARED AND DEVELOPED WITHOUT THE WRITTEN CONSENT OF THE ARCHITECT. VISUAL CONTACT WITH THESE DRAWINGS OR SPECIFICATIONS SHALL CONSTITUTE CONCLUSIVE EVIDENCE OF ACCEPTANCE OF THESE RESTRICTIONS. WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB AND THIS OFFICE MUST BE NOTIFIED OF ANY VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN BY THESE DRAWINGS. SHOP DETAILS MUST BE SUBMITTED TO THIS OFFICE FOR REVIEW BEFORE PROCEEDING WITH FABRICATION

LICENSED LANDSCAPE ARCHITECT
JOHN R. MATHER NO. 5145
Signature
2/29/28
Renewal Date
06/01/26
Date
STATE OF CALIFORNIA

Public Works
LOS ANGELES COUNTY

COUNTY OF LOS ANGELES CALIFORNIA

MIG

360 East Second Street
Suite 675
Los Angeles, CA 90012

213-694-3800
www.migcom.com

NO.	DATE	REVISION

MAGIC JOHNSON PARK MAKE READY & PARKING PROJECT

12416 AVALON BLVD.
LOS ANGELES, CA 90061

PMA PROJECT NO.
21023.01

DRAWING TITLE
LANDSCAPE IRRIGATION PLAN

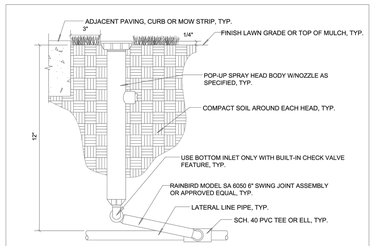
SCALE
AS INDICATED

DATE
06/01/2026

DRAWN: WC
CHECKED: WC, EM

SHEET NO.
L2.13

Plotted by: wchan May. 12, 2026 09:57 AM Z:\Shared\Los Angeles\Production\2024\124010\CAD\Incoming\irrigation\124010_L213.dwg

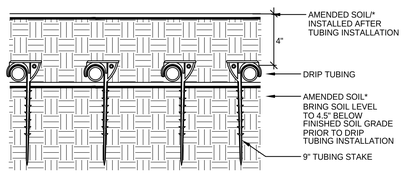


NOTES:
1. PLACE ALL HEADS 1/4" ABOVE FINISH GRADE AT INITIAL INSTALLATION. SET HEADS 3" AWAY FROM WALKS, CURBS, OR MOW STRIPS.
2. INSTALL ALL HEADS PERPENDICULAR TO FINISH GRADE.
3. THOROUGHLY FLUSH ALL LATERAL LINE PIPES TO REMOVE DIRT AND DEBRIS BEFORE INSTALLATION OF NOZZLES.
4. ADJUST ALL HEADS TO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

RP VERSION 6-17-99 / RDF, PTN, RCM, JPH

XXX	POP-UP SPRAY HEAD INSTALLATION	
N.T.S.	BOE VERSION Jun06 - RF, SG	RAP DETAIL L1622

(A) POP-UP SPRINKLER HEAD



* AS PER LANDSCAPE DRAWINGS

RECOMMENDED INSTALLATION:

TO INSURE EVEN PARALLEL AND LEVEL TUBING ROWS IT IS RECOMMENDED THAT THE SOIL LEVEL IN THE PLANTER AREAS BE BROUGHT TO 4.5" BELOW FINISHED GRADE AND PROPERLY COMPACTED AS PER THE LANDSCAPED DRAWINGS PRIOR TO THE INSTALLATION OF THE TUBING.

INSTALL TUBING AS INDICATED ON THESE DRAWINGS AND SECURE TO GRADE USING WIRE HOOP STAKES AT 5 FEET ON CENTER SPACING.

BACKFILL FINAL 4.5" OF SOIL OVER THE TUBING AFTER INSTALLATION OF THE TUBING AND OBSERVATION BY THE OWNER'S AUTHORIZED REPRESENTATIVE.

SECTION VIEW - N.T.S.
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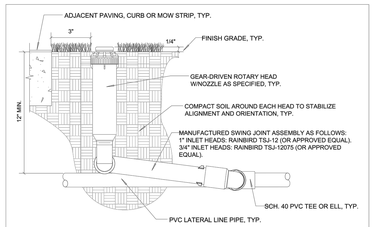
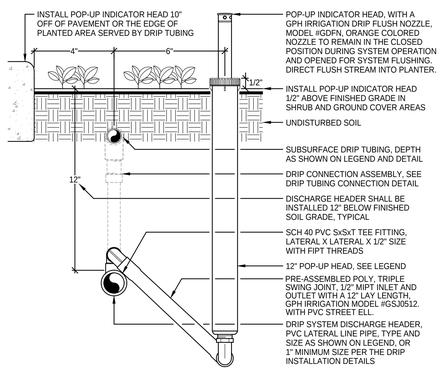


NOTES:
1. PLACE ALL HEADS 1/4" ABOVE FINISH GRADE AT INITIAL INSTALLATION. SET HEADS 3" AWAY FROM WALKS, CURBS, OR MOW STRIPS.
2. INSTALL ALL HEADS PERPENDICULAR TO FINISH GRADE.
3. THOROUGHLY FLUSH ALL LATERAL LINE PIPES TO REMOVE DIRT AND DEBRIS BEFORE INSTALLATION OF NOZZLES.
4. ADJUST ALL HEADS TO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

RP VERSION 6-17-99 / RDF, PTN, RCM, JPH

XXX	GEAR-DRIVEN ROTOR HEAD INSTALLATION	
N.T.S.	BOE VERSION Apr/08 - SG, RF	RAP DETAIL L1621

(B) POP-UP ROTOR HEAD



NOTE:
INSTALL INDICATOR HEAD 10" FROM THE EDGE OF PAVING OR THE PLANTER EDGE.

INSTALL ORANGE COLORED INDICATOR NOZZLE ON POP-UP HEAD AND ADJUST TO FULLY CLOSED.

SECTION VIEW - N.T.S.
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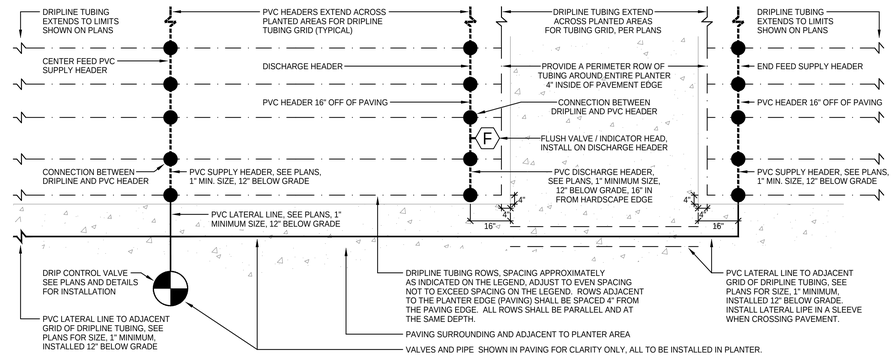

NOTE:
PVC SUPPLY AND DISCHARGE HEADERS SHALL BE INSTALLED AT END RUNS OF TUBING, NO MORE THAN 16" FROM THE EDGE OF THE HARDSCAPE. WHERE A TUBING END RUN HAS ONLY TWO (2) OR THREE (3) ROWS, A PVC DISCHARGE HEADER IS NOT NEEDED AND THE PERIMETER ROW OF TUBING SHALL BE USED FOR THE DISCHARGE. WHERE FOUR (4) OR MORE TUBING ROWS END RUN, A PVC DISCHARGE HEADER IS REQUIRED.

PVC PIPE FOR LATERALS, SUPPLY HEADERS AND DISCHARGE HEADERS SHALL BE MINIMUM 1" SIZE, OR SIZED AS SHOWN ON THE PLANS.

ENTIRE PERIMETER OF PLANTING AREA SHALL HAVE A ROW OF DRIP TUBING INSTALLED 4" OFF OF THE EDGE OF THE HARDSCAPE AS SHOWN ABOVE.

PLAN VIEW - N.T.S.
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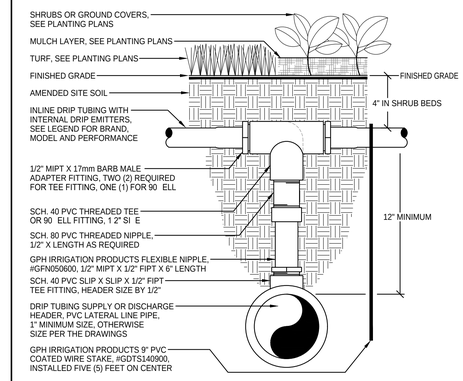
(C) DRIP TUBING LAYOUT (PLAN VIEW)



DRIP TUBING CONNECTION REQUIRED FOR ALL CONNECTIONS BETWEEN DRIP TUBING AND PVC HEADERS.
FOR CONNECTIONS AT END RUNS OF TUBING, USE A 90 ELL FITTING AND ONE ADAPTER FITTING FOR CONNECTION.
FOR CONNECTIONS IN THE MIDDLE OF RUNS OF TUBING, USE A TEE FITTING AND TWO ADAPTER FITTINGS FOR THE CONNECTION.

SECTION VIEW - N.T.S.
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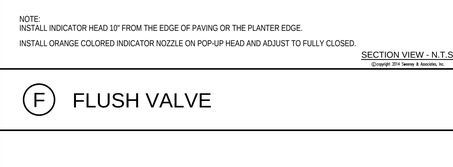
(D) DRIP TUBING CONNECTION



SECTION VIEW - N.T.S.
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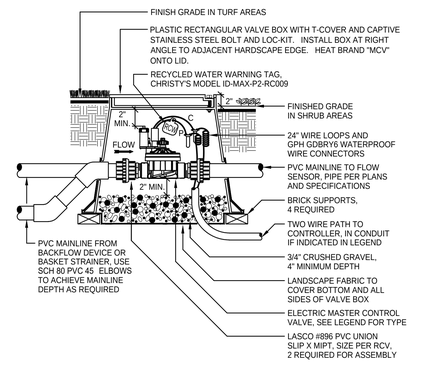
(E) DRIP TUBING LAYOUT (SECTION VIEW)



NOTE:
USE STANDARD OPENINGS PROVIDED IN VALVE BOX FOR PIPE, DO NOT CUT BOX.

SECTION VIEW - N.T.S.
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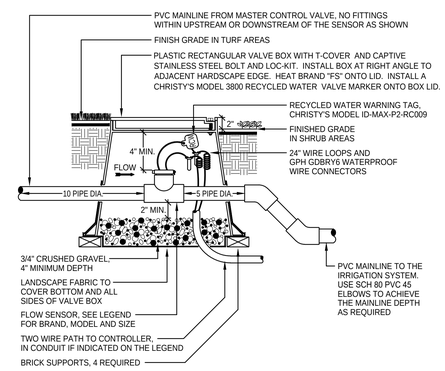
(G) MASTER CONTROL VALVE



NOTE:
USE STANDARD OPENINGS PROVIDED IN VALVE BOX FOR PIPE, DO NOT CUT BOX.

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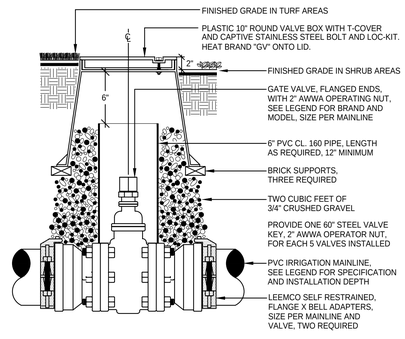
(H) FLOW SENSOR



SECTION VIEW - N.T.S.
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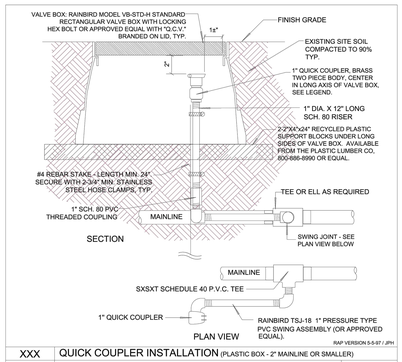
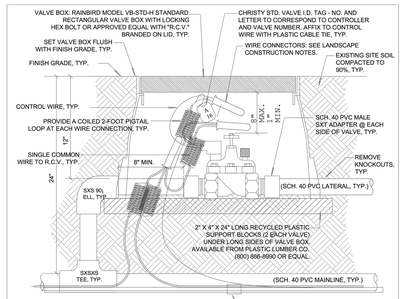
(I) GATE VALVE



XXX	QUICK COUPLER INSTALLATION (PLASTIC BOX - 2" MAINLINE OR SMALLER)	
N.T.S.	BOE VERSION July/09 - RF, SD	RP DETAIL L1202

(J) QUICK COUPLER VALVE

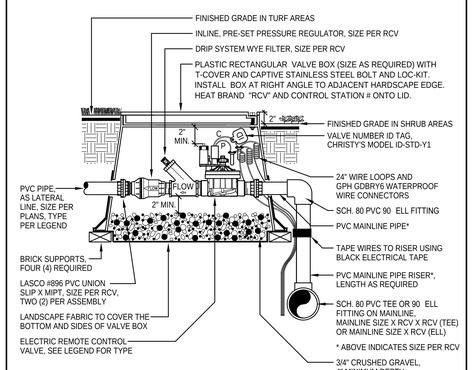


NOTES:
1. ALL PIPE AND FITTINGS SHALL BE SCHEDULE 40 PVC.
2. EACH VALVE SHALL HAVE A SEPARATE CONTROL WIRE RUNNING FROM THE CONTROLLER, TYP. SEE LANDSCAPE CONSTRUCTION NOTES FOR CONTROL WIRE COLORS.

VERSION 09-20-02 JPH, RCM, STS, JPH,SLG

XXX	RCV INSTALLATION DETAIL (Plastic Box)	
N.T.S.	BOE VERSION Jul/09 - RF, SD	RP DETAIL L1402

(K) REMOTE CONTROL VALVE



NOTE:
USE AN APPROVED, NON-HARDENING, TEFLON ASSEMBLY PASTE ON ALL THREADED FITTINGS.
USE STANDARD BOX OPENINGS FOR ALL PIPING INTO THE BOX, DO NOT CUT THE BOX.

SECTION VIEW - N.T.S.
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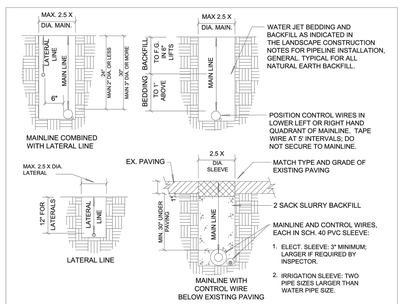
(L) DRIP REMOTE CONTROL VALVE

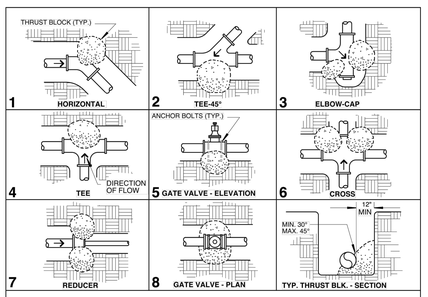


NOTE:
PIPE AND CONTROL WIRE CROSSING A VEHICULAR ROADWAY SHALL BE SLEEVED AS INDICATED ABOVE.
PIPE BEDDING AND BACKFILL SHALL BE WATER JETTED TO ACHIEVE PROPER DENSIFICATION. SEE LANDSCAPE CONSTRUCTION NOTES, PIPELINE INSTALLATION GENERAL, FOR TRENCHING REQUIREMENTS.

RAP VERSION 6-5-98 / RCM, JPH

XXX	IRRIGATION TRENCHING DETAIL	
N.T.S.	BOE VERSION July/09	RP DETAIL L1350

(M) PIPE TRENCHING



1. PLASTIC PIPE SHALL BE INSTALLED ACCORDING TO THESE DETAILS UNLESS OTHERWISE NOTED OR DETAILED.
2. THE PORTLAND CEMENT CONCRETE USED FOR THRUST BLOCKS SHALL BE MIN. 470-B-2000 CONC.
3. ALL ANCHOR RODS SHALL BE GALVANIZED STEEL MIN. 1/2" INCH IN DIAMETER.
4. ***SIZE OF THRUST BLK.: 4" PIPE = 4 CU. FT. CONC., 6" PIPE = 6 CU. FT., 8" PIPE = 8 CU. FT.***
5. WRAP ALL EPOXY COATED FITTINGS WITH SIX MIL PLASTIC BEFORE POURING THRUST BLOCKS.
6. POOR SOIL CONDITIONS : USE THRUST BLOCKS FOR 3" PIPE AT SIZE SHOWN FOR 4" PIPE.
7. ALL THRUST BLOCKS SHALL BEAR AGAINST UNDISTURBED SOIL.

RAP VERSION 3/1/92 RCM, JPH

XXX	THRUST BLOCK INSTALLATION	
N.T.S.	BOE VERSION Sep/07	RP DETAIL L1340

(N) THRUST BLOCKS

I HAVE COMPLIED WITH THE CRITERIA OF THE ORDINANCE AND APPLIED THEM FOR THE EFFICIENT USE OF WATER IN THE LANDSCAPE DESIGN PLANS.

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LICENSED LANDSCAPE ARCHITECT
STEVEN R. MATHER NO. 4190
2/29/28
Renewal Date
06/01/26
Date
STATE OF CALIFORNIA

Public Works
LOS ANGELES COUNTY
COUNTY OF LOS ANGELES CALIFORNIA
MIG
360 East Second Street
Suite 675
Los Angeles, CA 90012
213-694-3800
www.migcom.com

NO.	DATE	REVISION

MAGIC JOHNSON PARK
MAKE READY &
PARKING PROJECT

12416 AVALON BLVD.
LOS ANGELES, CA 90061

PMA PROJECT NO.
21023.01

DRAWING TITLE
LANDSCAPE IRRIGATION DETAILS

SCALE
AS INDICATED

DATE
06/01/2026

DRAWN: WC
CHECKED: WC, EM

SHEET NO.
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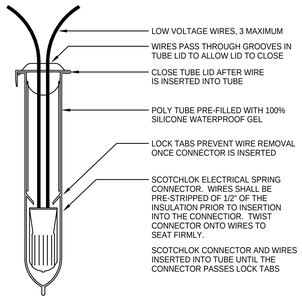

NOTE:
WIRE CONNECTOR SHALL BE A GPH IRRIGATION GDBRY6 DIRECT BURY SPLICE KIT.
KIT SHALL INCLUDE A SCOTCHLOK SPRING CONNECTOR, A POLYPROPYLENE TUBE AND A 100% SILICONE WATERPROOF SEALING GEL. TUBE SHALL BE SUPPLIED PRE-FILLED WITH GEL.

SECTION VIEW - N.T.S.

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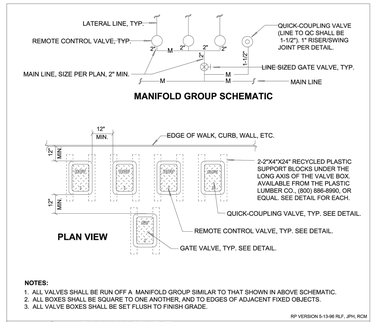
(O) IRRIGATION CONTROL WIRE

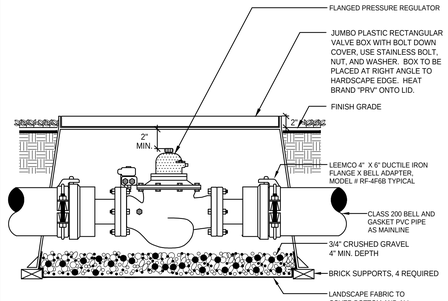


NOTES:
1. ALL VALVES SHALL BE RUN OFF A MANIFOLD GROUP SIMILAR TO THAT SHOWN IN ABOVE SCHEMATIC.
2. ALL BOXES SHALL BE SQUARE TO ONE ANOTHER, AND TO EDGES OF ADJACENT FIXED OBJECTS.
3. ALL VALVE BOXES SHALL BE SET FLUSH TO FINISH GRADE.

RP VERSION 5-13-96 RLF, JPH, RCM

XXX	VALVE BOX PLACEMENT	
N.T.S.	BOE VERSION Jan/07	RP DETAIL L1410

(P) VALVE LAYOUT



SECTION VIEW - N.T.S.

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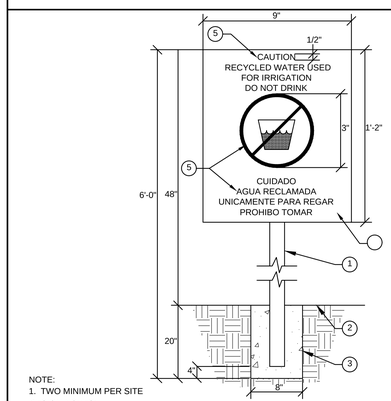
(Q) PRESSURE REGULATOR



NOTE:
1. TWO MINIMUM PER SITE

DESIGN NOTES:
1. 2" SQ. ALUMINUM TUBE PAINTED TO MATCH FRAZEE "ORANGE PEAL"
2. FINISH GRADE
3. CONCRETE FOOTER
4. 9"x14"x1/8" ALUMINUM PAINTED TO MATCH PURPLE PMS #266
5. HP WHITE VINYL GRAPHICS

SECTION VIEW - N.T.S.

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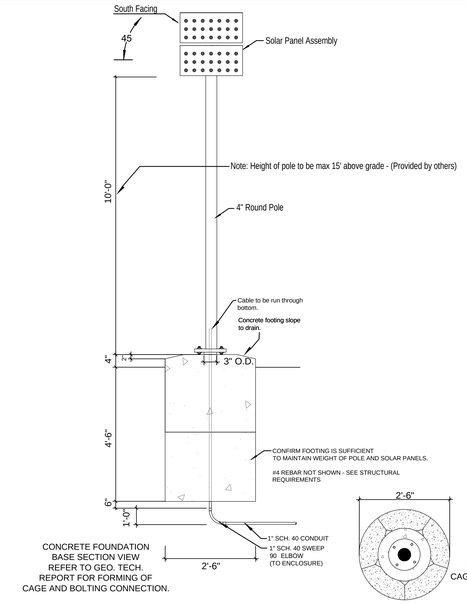
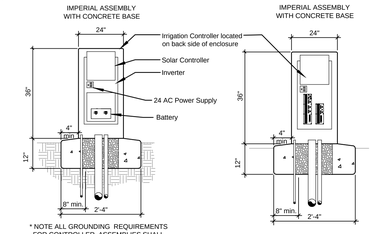
(S) RECYCLED WATER SIGNS



CONCRETE FOUNDATION BASE SECTION VIEW
REFER TO GEO. TECH. REPORT FOR FORMING OF CAGE AND BOLTING CONNECTION.

CONCRETE FOUNDATION BASE TOP VIEW
REFER TO GEO. TECH. REPORT FOR FORMING OF CAGE AND BOLTING CONNECTION.



* NOTE ALL GROUNDING REQUIREMENTS FOR CONTROLLER ASSEMBLIES SHALL CONFORM TO LOCAL ELECTRICAL CODES.

* NOTE: MOUNTING PAD BASE NOT SHOWN, IF APPLICABLE

Imperial TECHNICAL SERVICES

(R) SOLAR CONTROLLER ASSEMBLY

I HAVE COMPLIED WITH THE CRITERIA OF THE ORDINANCE AND APPLIED THEM FOR THE EFFICIENT USE OF WATER IN THE LANDSCAPE DESIGN PLANS.

sweeney + associates
IRRIGATION DESIGN AND CONSULTING
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LOS ANGELES COUNTY

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NO.	DATE	REVISION

MAGIC JOHNSON PARK
MAKE READY & PARKING PROJECT

12416 AVALON BLVD.
LOS ANGELES, CA 90061

PMA PROJECT NO.
21023.01

DRAWING TITLE
LANDSCAPE IRRIGATION DETAILS

SCALE
AS INDICATED

DATE
06/01/2026

DRAWN: WC
CHECKED: WC, EM

SHEET NO.
L2.52

Plotted by: wchan May. 12, 2026 10:00 AM Z:\Shared\Los Angeles\Production\2024\124010\CAD\Incoming\irrigation\124010_L252.dwg

FINE GRADING NOTES

1. FINE GRADING SHALL BE APPROVED BY THE OWNER'S REPRESENTATIVE IN THE FIELD PRIOR TO IRRIGATION INSTALLATION, SOIL PREPARATION AND PLANTING. ALL PLANTING AREAS SHALL BE GRADES TO THE ELEVATIONS INDICATED ON THE CIVIL ENGINEER'S PLANS.
2. CONTRACTOR SHALL MAINTAIN A MINIMUM OF 2% DRAINAGE AWAY FROM ALL BUILDINGS, STRUCTURES, AND WALLS. FINISHED GRADES SHALL BE SMOOTHED TO ELIMINATE PUDDLING OR STANDING WATER.
3. EXCESS SOIL FROM LANDSCAPE GRADING SHALL BE REMOVED AND DISPOSED OF OFF-SITE BY CONTRACTOR.
4. REFER TO CIVIL ENGINEER'S DRAWINGS FOR GRADING AND DRAINAGE INFORMATION AND OTHER RELATED NON-LANDSCAPE WORK. VERIFY ON-SITE AND REPORT DISCREPANCIES TO OWNER'S REPRESENTATIVE BEFORE START OF ANY WORK ON THIS CONTRACT.
5. COMPACTED SOIL IN ALL PLANTING AREAS SHALL BE RIPPED TO A DEPTH OF EIGHTEEN (18) INCHES PRIOR TO SOIL AMENDMENT WORK.

PLANTING NOTES:

1. THE PLANTING PLAN IS DIAGRAMMATIC. ALL PLANT LOCATIONS ARE APPROXIMATE. ON CENTER SPACING AND SYMBOLS TAKE PRECEDENCE OVER PLANT QUANTITIES SPECIFIED. QUANTITIES, IF SHOWN ON THE PLANTING PLAN ARE APPROXIMATE AND ARE FOR REFERENCE ONLY. CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE OF DISCREPANCIES BETWEEN QUANTITIES AND THE SYMBOLS SHOWN. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL PLANT COUNTS AND SQUARE FOOTAGES.
2. TREE LOCATION MAY BE ADJUSTED TO AVOID CONFLICTS WITH UNDERGROUND UTILITIES. CONSULT WITH OWNER'S REPRESENTATIVE PRIOR TO ADJUSTMENT OF TREE LOCATIONS, ESPECIALLY THOSE ARRANGED ON A SPECIFIED MODULE OR IN A GRID PATTERN.
3. CONTRACTOR SHALL ACCOMPANY THE PROJECT AGRONOMIST TO THE SITE FOR THE PURPOSE OF TAKING SOIL SAMPLES, CONDUCTING PERCOLATION TESTS, AND REVIEWING EXISTING SITE CONDITIONS. THE QUANTITY OF SAMPLES ARE NOTED IN THE SPECIFICATIONS. SUBMIT SOIL TEST RESULTS AND RECOMMENDATIONS TO OWNER'S REPRESENTATIVE FOR APPROVAL PRIOR TO SOIL PREPARATION. THIS REQUIREMENT APPLIES TO ALL SOILS AND CONDITIONS WITHIN THIS PROJECT. REFER TO SPECIFICATIONS FOR FURTHER REQUIREMENTS.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REVIEW AND COORDINATION OF ALL DRAWINGS AND SPECIFICATIONS PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES THAT OCCUR SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE PRIOR TO THE START OF CONSTRUCTION, FOR CLARIFICATION.
5. CONTRACTOR SHALL GIVE NOTICE OF PLANTING (3) BUSINESS DAYS PRIOR TO INSTALLATION. CONTRACTOR SHALL LAY OUT PLANT MATERIAL PRIOR TO INSTALLATION FOR OWNER'S REPRESENTATIVE'S REVIEW AND APPROVAL.
6. CENTER POINTS OF TREES SHOULD BE STAKED WITH GRADE LATH STAKES. CONTAINER SIZE AND PLANT NAME SHALL BE NOTED ON EACH STAKE.
7. SHRUBS SHALL BE PLACED IN THEIR "FINAL" LOCATIONS.
8. OWNER'S REPRESENTATIVE HAS THE RIGHT TO ADJUST PLANT LOCATIONS AND SPACING UPON REVIEWING IN THE FIELD.
9. ALL PLANTED AREAS SHALL BE WEED FREE PRIOR TO PLANTING.
10. IF CONFLICTS ARISE BETWEEN ACTUAL SIZE OF PLANTING AREAS ON-SITE AND THOSE AREAS INDICATED ON DRAWINGS, CONTACT OWNER'S AUTHORIZED REPRESENTATIVE FOR RESOLUTION. FAILURE TO MAKE SUCH CONFLICTS KNOW TO OWNER'S AUTHORIZED REPRESENTATIVE IN A TIMELY FASHION MAY RESULT IN CONTRACTOR'S OWN LIABILITY TO RELOCATE PLANT MATERIALS.
11. REFER TO PLANTING DETAILS FOR ALL INSTALLATION AND STAKING REQUIREMENTS.
12. INSTALL TREES WITHIN 3' OF PAVEMENT OR STRUCTURES WITH ROOT CONTROL BARRIERS. UNLESS OTHERWISE SPECIFIED, A 12' LONG X 2' DEEP LINEAR BARRIER SHALL BE INSTALLED AT EDGE OF PAVEMENT/STRUCTURE, WITH LENGTH CENTERED AT THE TREE TRUNK.
13. NURSERY STAKES SHALL BE REMOVED AFTER PLANTING TREES AND STAKING OR GUYING AS SHOWN ON PLANS AND AS DIRECTED BY OWNER'S REPRESENTATIVE.
14. TREES PLANTED IN TURF AREAS SHALL HAVE TRUNKS PROTECTED WITH PERFORATED POLYETHYLENE TREE TRUNK PROTECTORS (ARBOR-GARD+ OR EQUAL).
15. CONTRACTOR IS RESPONSIBLE FOR PRUNING TREES AS DIRECTED BY OWNER'S REPRESENTATIVE. NO PRUNING IS TO BE DONE UNLESS DIRECTED.
16. TRIANGULAR SPACE GROUNDCOVERS AND SHRUBS, UNLESS OTHERWISE INDICATED ON DRAWINGS.
17. SEE DETAIL FOR PLACEMENT OF SHRUBS IN IRREGULARLY SHAPED PLANTING AREAS.
18. MULCH ALL AREAS (EXCEPT TURF, SLOPES 2:1 AND GREATER, ROOTED CUTTINGS, AND AS NOTED ON PLANS) WITH 3" LAYER OF SPECIFIED "FOREST FLOOR" MULCH 0" TO 2" SIZE. SEE SPECIFICATIONS 32 9000.
19. ALL SLOPES 2:1 OR GREATER SHALL BE STABILIZED WITH JUTE MESH PRIOR TO PLANTING. DO NOT INSTALL JUTE MESH ON SEEDED SLOPES.
20. WHERE GROUNDCOVER IS SHOWN ON PLANS: GROUNDCOVER PLANTING CONTINUES UNDER SHRUBS AND TREES AT SPECIFIED SPACING. DO NOT PLANT GROUNDCOVER IN SHRUB/TREE WATERING BASINS.
21. CONTRACTOR SHALL MAINTAIN ALL PLANTING FOR A PERIOD OF NINETY (90) DAYS AFTER COMPLETION AND ACCEPTANCE BY OWNER'S REPRESENTATIVE, UNLESS OTHERWISE NOTED IN SPECIFICATIONS. ALL AREAS SHOULD BE KEPT CLEAN, WATERED AND WEED-FREE.
22. PRIOR TO END OF MAINTENANCE PERIOD, LANDSCAPE CONTRACTOR SHALL CONTACT OWNER AND ARRANGE A FINAL WALKTHROUGH INSPECTION BY OWNER'S REPRESENTATIVE. OWNER MUST ACCEPT ALL MAINTAINED AREAS IN WRITING PRIOR TO END OF MAINTENANCE PERIOD. OWNER SHALL BE RESPONSIBLE FOR FUTURE MAINTENANCE AFTER THE MAINTENANCE PERIOD AND FINAL WALK THROUGH.

TREE LEGEND:

SYMBOL	BOTANICAL NAME "COMMON NAME"	SIZE (HTxSPR)	WUCOLS	COMMENTS	DETAIL
	AGONIS FLEXUOSA "PEPPERMINT TREE"	24" BOX	LOW (0.3)	TREE SETBACK 8' MIN. FROM ADJACENT FINISH SURFACE.	1/L3.51
	KOELREUTERIA PANICULATA "GOLDEN RAIN TREE"	24" BOX	LOW (0.3)	TREE SETBACK 8' MIN. FROM ADJACENT FINISH SURFACE.	1/L3.51
	PINUS CANARIENSIS "CANARY ISLAND PINE"	24" BOX	LOW (0.3)	TREE SETBACK 8' MIN. FROM ADJACENT FINISH SURFACE.	1/L3.51
	QUERCUS AGRIFOLIA "COAST LIVE OAK"	24" BOX	LOW (0.3)	TREE SETBACK 8' MIN. FROM ADJACENT FINISH SURFACE.	1/L3.51
	QUERCUS ENGELMANNII "ENGELMANN OAK"	24" BOX	LOW (0.3)	TREE SETBACK 8' MIN. FROM ADJACENT FINISH SURFACE.	1/L3.51
	QUERCUS VIRGINIANA "SOUTHERN LIVE OAK"	24" BOX	LOW (0.3)	TREE SETBACK 8' MIN. FROM ADJACENT FINISH SURFACE.	1/L3.51
	TIPUANA TIPU "TIPU TREE"	24" BOX	LOW (0.3)	TREE SETBACK 3'-6" MIN. FROM ADJACENT FINISH SURFACE.	1/L3.51
EX TREE	EXISTING TREE TO BE PROTECTED IN PLACE	–	–		–

NOTE: ALL NEW TREES TO BE PROVIDED BY OWNER AND DELIVERED TO PROJECT SITE.
CONTRACTOR TO INSTALL ALL NEW TREES AND ASSOCIATED IRRIGATION PER PLANS AND SPECIFICATIONS.

SHRUB, VINE & GROUNDCOVER LEGEND:

SYMBOL	BOTANICAL NAME "COMMON NAME"	SIZE (HTxSPR)	WUCOLS	COMMENTS	DETAIL
	ACHILLEA 'MOONSHINE' "MOONSHINE YARROW"	1 GAL. @ 24" O.C.	LOW (0.3)	PLANT SETBACK 12" FROM ADJACENT FINISH SURFACE.	2,4-6/L351
	CEANOTHUS GRISEUS VAR. HORIZONTALIS 'YANKEE POINT' "YANKEE POINT CEANOTHUS"	1 GAL. @ 60" O.C.	LOW (0.3)	PLANT SETBACK 30" FROM ADJACENT FINISH SURFACE.	2,4-6/L351
	ENCELIA CALIFORNICA "CALIFORNIA BRITTLEBUSH"	5 GAL. @ 36" O.C.	VERY LOW (0.1)	PLANT SETBACK 18" FROM ADJACENT FINISH SURFACE.	2,4-6/L351
	ERIOGONUM CINEREUM "ASHYLEAF BUCKWHEAT"	5 GAL. @ 36" O.C.	VERY LOW (0.1)	PLANT SETBACK 18" FROM ADJACENT FINISH SURFACE.	2,4-6/L351
	HETEROMELES ARBUTIFOLIA "TOYON"	15 GAL. @ 72" O.C.	VERY LOW (0.1)	PLANT SETBACK 36" FROM ADJACENT FINISH SURFACE.	2,4-6/L351
	MUHLENBERGIA DUBIA "PINE MUHLY"	5 GAL. @ 36" O.C.	LOW (0.3)	PLANT SETBACK 18" FROM ADJACENT FINISH SURFACE.	2,4-6/L351
	SALVIA APIANA "WHITE SAGE"	1 GAL. @ 48" O.C.	LOW (0.3)	PLANT SETBACK 24" FROM ADJACENT FINISH SURFACE.	2,4-6/L351
	SALVIA LEUCANTHA "MEXICAN BUSH SAGE"	1 GAL. @ 48" O.C.	LOW (0.3)	PLANT SETBACK 24" FROM ADJACENT FINISH SURFACE.	2,4-6/L351
	TEUCRIUM CHAMAEDRYS "GERMANDER"	1 GAL. @ 24" O.C.	LOW (0.3)	PLANT SETBACK 12" FROM ADJACENT FINISH SURFACE.	2,4-6/L351
	WESTRINGIA FRUTICOSA 'MORNING LIGHT' "COAST ROSEMARY"	5 GAL. @ 36" O.C.	LOW (0.3)	PLANT SETBACK 18" FROM ADJACENT FINISH SURFACE.	2,4-6/L351
	BASE BID: MULCH			INSTALL MIN. 3" LAYER OF "WALK ON BARK" PER SPECIFICATIONS 32 9000.	
	BID ALTERNATE: 4-INCH-THICK NO. 4 GRAVEL PER SSPWC SECTION 200-1.3, GRADATION PER TABLE 200-1.4(B).			INSTALL WITH WEED CONTROL FABRIC PER SPECIFICATIONS 32 9000. INSTALL WEED CONTROL FABRIC BETWEEN GRAVEL LAYER AND SOIL.	
	TURF "PRO SPORTSFIELD"	HYDROSEED 12 LBS/ 1,000 S.F		AVAILABLE AT STOVER SEED 800-621-0315	

PAUL MURDOCH ARCHITECTS

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LICENSED LANDSCAPE ARCHITECT
EVAN R. MATHER NO. 5117
2/29/28
Renewal Date
06/01/26
Date
STATE OF CALIFORNIA

Public Works
LOS ANGELES COUNTY

COUNTY OF LOS ANGELES CALIFORNIA

MIG

360 East Second Street
Suite 675
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213-694-3800
www.migcom.com

NO.	DATE	REVISION

MAGIC JOHNSON PARK MAKE READY & PARKING PROJECT

12416 AVALON BLVD.
LOS ANGELES, CA 90061

PMA PROJECT NO.
21023.01

DRAWING TITLE
LANDSCAPE PLANTING LEGEND & NOTES

SCALE
AS INDICATED

DATE
06/01/2026

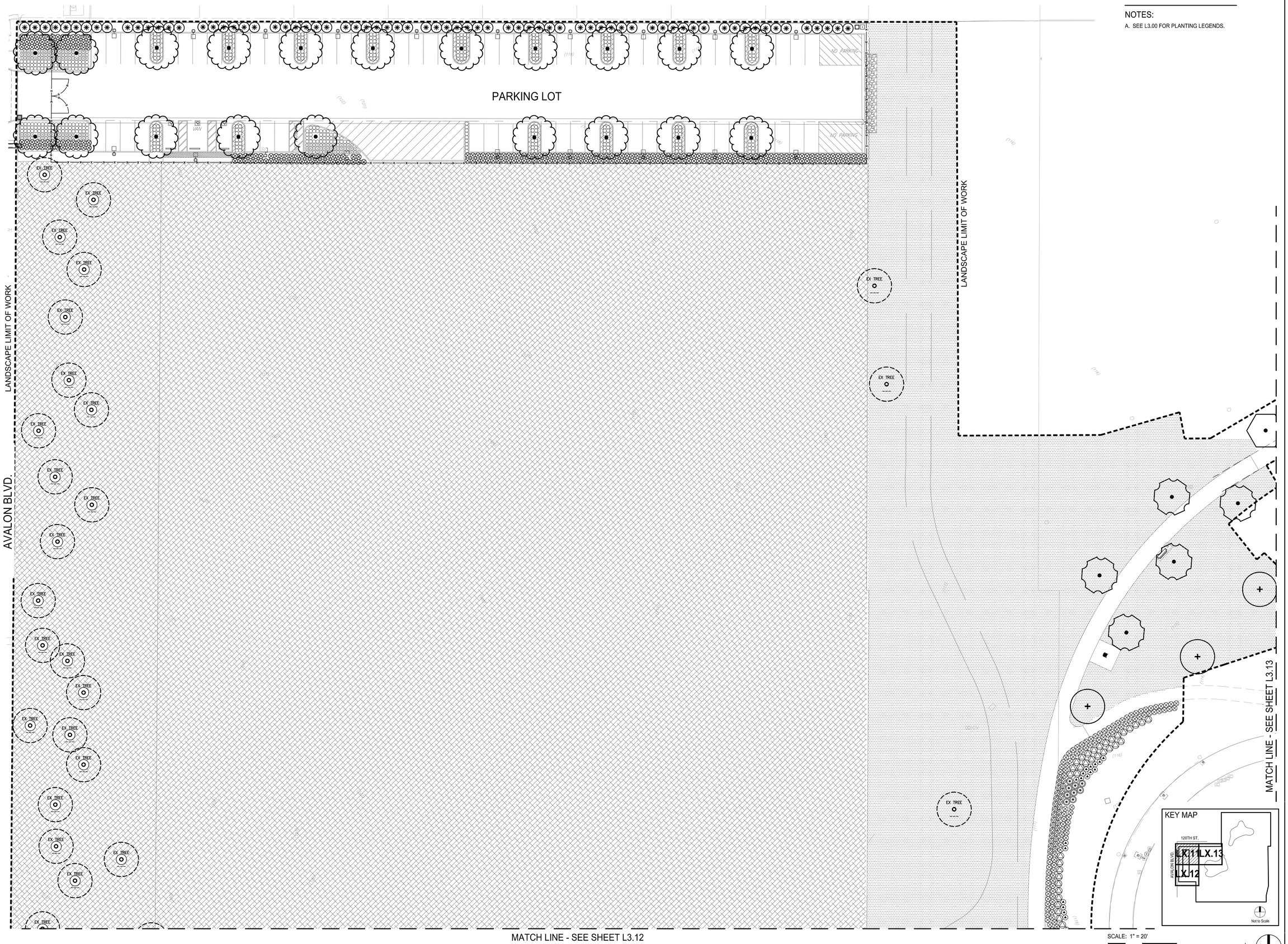
DRAWN: WC
CHECKED: WC, EM

SHEET NO.
L3.00

Plotted by: wchan Jun. 01, 2026 05:21 PM Z:\Shared\Los Angeles\Production\2024\124010\CAD\124010_L300.dwg

NOTES:

A. SEE L3.00 FOR PLANTING LEGENDS.



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MAGIC JOHNSON PARK
MAKE READY &
PARKING PROJECT

12416 AVALON BLVD.
LOS ANGELES, CA 90061

PNA PROJECT NO.
21023.01

DRAWING TITLE
LANDSCAPE PLANTING PLAN

SCALE
AS INDICATED

DATE
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DRAWN: WC
CHECKED: WC, EM

SHEET NO.
L3.11

Plotted by: wchan May. 12, 2026 10:08 AM Z:\Shared\Los Angeles\Production\2024\124010\CAD\124010_L311.dwg

MATCH LINE - SEE SHEET L3.11

AVALON BLVD.

LANDSCAPE LIMIT OF WORK

PARKING LOT

COMM. VAULT

LANDSCAPE LIMIT OF WORK

NOTES:

A. SEE L3.00 FOR PLANTING LEGENDS.

KEY MAP

120TH ST.

AVALON BLVD.

LX.11 LX.13

LX.12

Not to Scale

SCALE: 1" = 20'

0 10' 20' 40' 80'

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EVAN R. MATHER NO. 5127
2/29/28
Renewal Date
06/01/26
Date
STATE OF CALIFORNIA

Public Works
LOS ANGELES COUNTY

COUNTY OF LOS ANGELES CALIFORNIA

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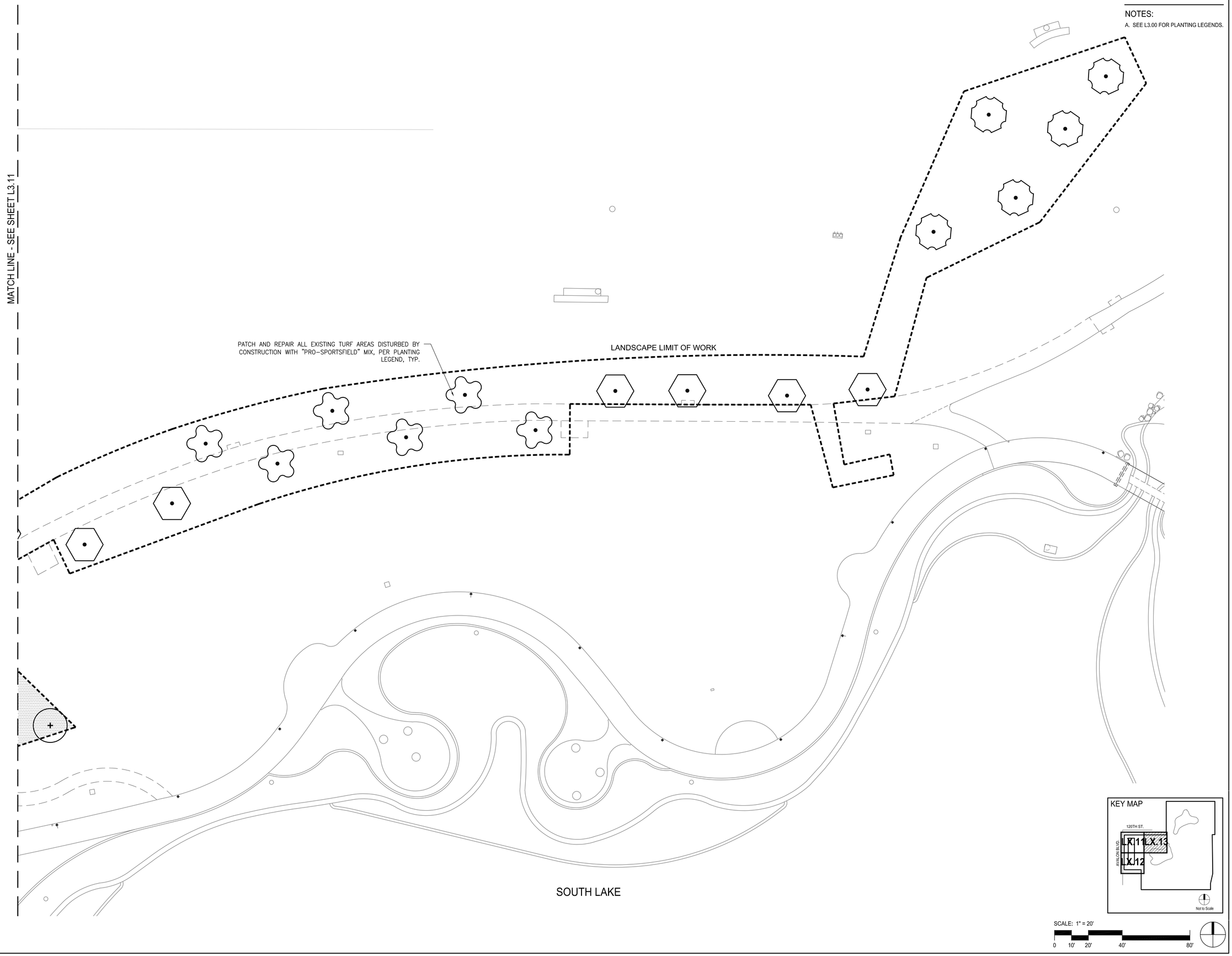
CHECKED WC, EM

SHEET NO.
L3.12

Plotted by: wchan May. 12, 2026 10:08 AM Z:\Shared\Los Angeles\Production\2024\124010\CAD\124010_L312.dwg

NOTES:

A. SEE L3.00 FOR PLANTING LEGENDS.



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JOHN R. MATHER NO. 5117
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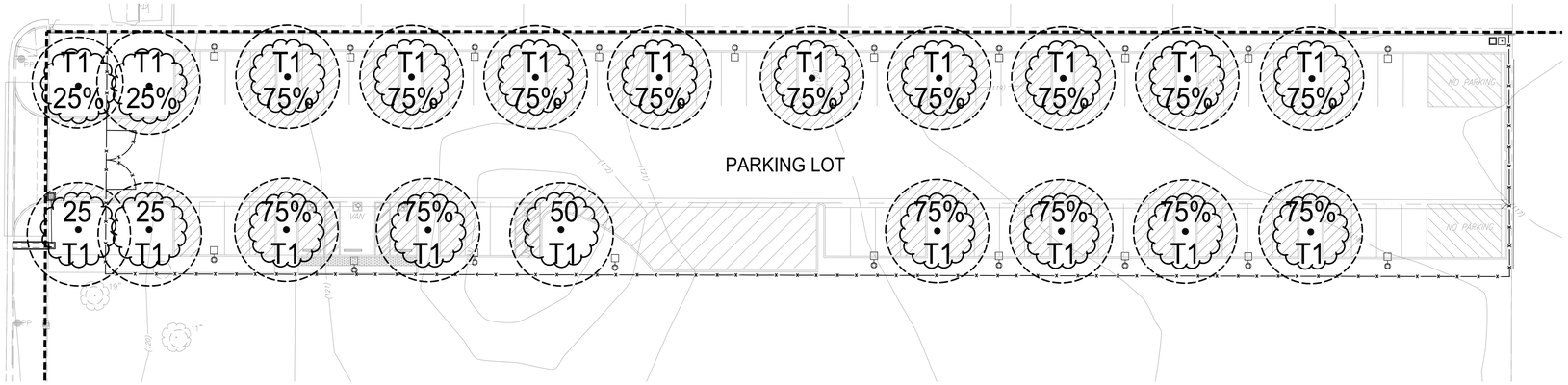
SHEET NO.
L3.13

Plotted by: wchan May. 12, 2026 10:08 AM Z:\Shared\Los Angeles\Production\2024\124010\CAD\124010_L313.dwg

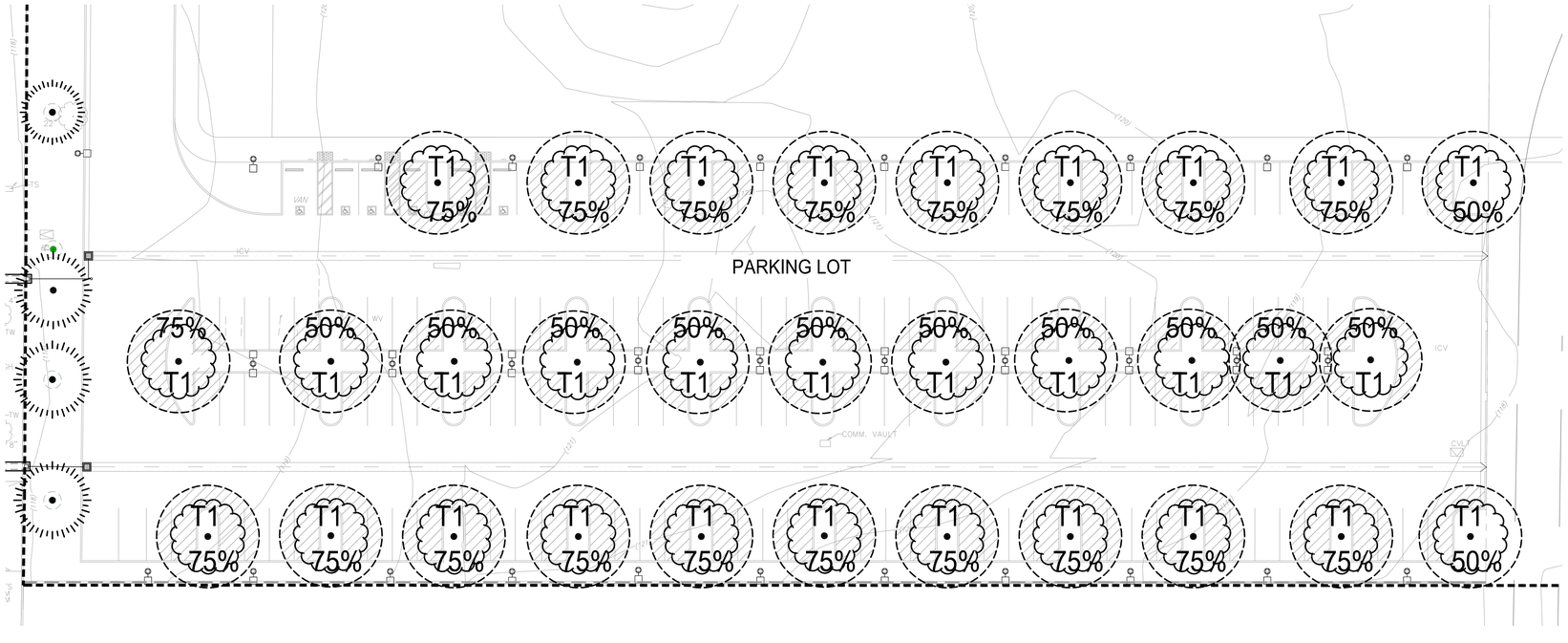
PARKING LOT SHADE CALCULATION TABLE

Complete white cells only. Grey cells are calculated. *Diameters are in feet and areas are in square feet.*

												Uncovered Parking Area:	84,028
												Required Shade Area:	42,014
	Species Name		**Canopy**	**Canopy**	**100% Shade Credit**		**75% Shade Credit**		**50% Shade Credit**		**25% Shade Credit**		**Provided**
Symbol	**Botanical**	**Common**	**Diameter**	**Area**	**Quantity**	**Area**	**Quantity**	**Area**	**Quantity**	**Area**	**Quantity**	**Area**	**Shade Area**
T1	Tipuana Tipu	Tipu Trees	35.00	962		0		0		0	4.00	962	962
T1	Tipuana Tipu	Tipu Trees	35.00	962		0		0	13	6254		0	6,254
T1	Tipuana Tipu	Tipu Trees	35.00	962		0	34	24534		0		0	24,534
				0		0		0		0		0	-
				0		0		0		0		0	-
				0		0		0		0		0	-
				0		0		0		0		0	-
				0		0		0		0		0	-
Total Provided Trees:		**51**			0		34		13		4		
												Total Provided Shade Area :	31,750
												Percent Shade Coverage (50% Minimum):	**38%**



1 NORTH PARKING LOT
SCALE: 1"=20'-0"



2 SOUTH PARKING LOT
SCALE: 1"=20'-0"

PAUL MURDOCH ARCHITECTS

6310 SAN VICENTE BLVD SUITE 400
LOS ANGELES, CALIFORNIA 90048
310 358-0993

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LICENSED LANDSCAPE ARCHITECT
EM R. MATHER NO. 5
2/29/28
Renewal Date
06/01/26
Date
STATE OF CALIFORNIA

MIG

360 East Second Street
Suite 675
Los Angeles, CA 90012

213-694-3800
www.migcom.com

NO.	DATE	REVISION

MAGIC JOHNSON PARK
MAKE READY &
PARKING PROJECT

12416 AVALON BLVD.
LOS ANGELES, CA 90061

PMA PROJECT NO.
21023.01

DRAWING TITLE
LANDSCAPE
TREE SHADE PLAN
- PARKING LOTS

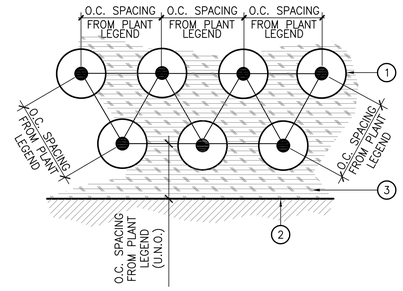
SCALE
AS INDICATED

DATE
06/01/2026

DRAWN: WC
CHECKED: WC, EM

SHEET NO.
L3.20

Plotted by: wchan May. 12, 2026 10:08 AM Z:\Shared\Los Angeles\Production\2024\124010\CAD\124010_L320.dwg

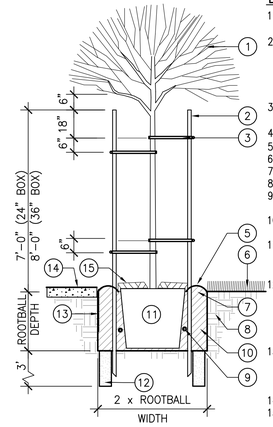


LEGEND

1. SHRUB/GROUNDCOVER – TRIANGULATED ROWS.
2. HARDSCAPE ELEMENT: CURB, WALK, ETC.
3. MULCH PER SPECIFICATIONS.

4 SHRUB/GROUNDCOVER SPACING

SCALE: N.T.S. 32 90 00 SHRUB-GC SPACING.dwg

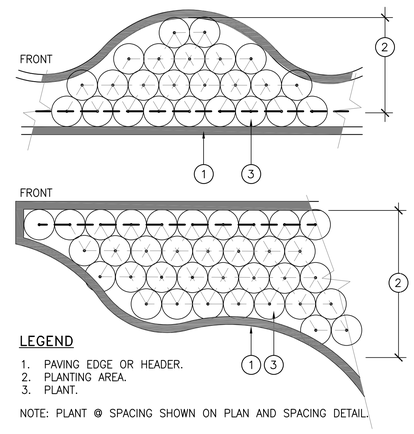


LEGEND

1. TREE-STREET TREES TO HAVE 7' CLEAR TRUNK.
2. LODGEPOLE PINE STAKE. 24" BOX TREES: 2" X 10'. 36" BOX TREES: 3" X 12'. TOP OF STAKE IS 6" CLEAR OF LOWEST TREE BRANCHES.
3. TREE TIE PER SPECIFICATIONS, 4/TREE.
4. NOT USED.
5. 3" HT. WATERING BASIN.
6. ADJACENT PLANTING.
7. FINISH GRADE.
8. SITE SOIL.
9. PLANT FERTILIZER TABLET. SEE SPECIFICATIONS.
10. AMENDED BACKFILL. SEE SPECIFICATIONS.
11. ROOTBALL. PLANT SO TOP OF ROOTBALL IS 2" ABOVE FINISH GRADE.
12. DRAINAGE SUMP: 1-12" DIA. X 3' DEEP (24" OR SMALLER BOX) ; 2-12" DIA. X 3' DEEP (36" OR LARGER BOX). FILL W/ WASHED COARSE SAND.
13. ROOT CONTROL BARRIER PER PLAN AND NOTES. INSTALL PER MANUF. RECOMMENDATIONS.
14. ADJACENT PAVEMENT.
15. MULCH.

1 TREE PLANTING - DOUBLE STAKE

SCALE: N.T.S. 32 90 00 TREE - DOUBLE STAKE..dwg



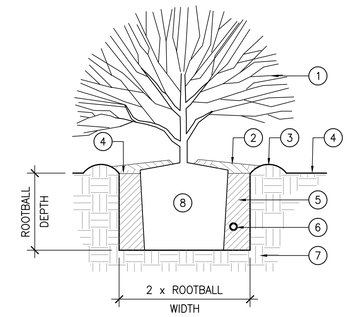
LEGEND

1. PAVING EDGE OR HEADER.
2. PLANTING AREA.
3. PLANT.

NOTE: PLANT @ SPACING SHOWN ON PLAN AND SPACING DETAIL.

5 PLANT LAYOUT @ IRREGULAR AREAS

SCALE: N.T.S. 32 90 00 SHRUB - IRREGULAR LAYOUT.dwg

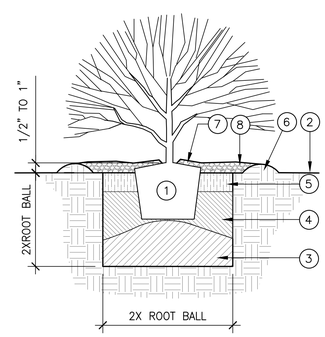


KEYNOTE LEGEND

1. SHRUB.
2. MULCH. SEE SPECIFICATIONS.
3. 3" HT WATERING BASIN.
4. FINISH GRADE.
5. AMENDED BACKFILL. SEE SPECIFICATIONS.
6. FERTILIZER TABLET. SEE SPECIFICATIONS.
7. SITE SOIL.
8. ROOTBALL. SET TOP OF ROOTBALL 2" ABOVE FINISH.

2 SHRUB PLANTING

SCALE: N.T.S. 32 90 00 SHRUB PLANTING.dwg



NOTES

A. PRIOR TO ANY BACKFILLING, FILL PLANTING HOLE WITH WATER AND ALLOW TO PERCOLATE (DRAIN) INTO SUBSOIL.
B. AFTER PLANTING, WATER THOROUGHLY, FILL BASIN WITH WATER AND SPRINKLING AROUND TO SETTLE BACKFILL, MULCH AND BERM.
C. ALLOW TO SOAK IN AND REPEAT.

LEGEND

1. ROOT BALL.
2. FINISH GRADE.
3. HALF-FILL THE HOLE WITH BACKFILL MATERIAL(SEE BELOW), MOISTEN AND MOUND SLIGHTLY.
4. PLACE PLANT ON MOUND. WITH WATER FLOWING SLOWLY FROM A HOSE INTO THE HOLE, BACKFILL TO 2/3 THE HEIGHT OF THE ROOT BALL; MOISTENING AND SETTLING ALL AROUND.
5. FILL REMAINING PORTION SURROUNDING THE TOP OF ROOT BALL WITH BACKFILL. TOP OF ROOTBALL TO BE 1" HIGHER THAN FG.
6. 2" HIGH TEMPRORARY WATERING BASIN.
7. COVER ROOTBALL WITH 1" LAYER MULCH. KEEP 6" CLEAR OF TRUNK OR STEM.
8. MULCH LAYER INSIDE BASIN AREA.

SOIL AMENDMENT

A. AMEND ALL SOIL PLANTING SURFACE AREAS TO 6" MIN. DEPTH OR GREATER PER AGRONOMIST TESTING RECOMMENDATIONS. THE SOIL SHOULD BE SOFT AND FRIABLE. ELIMINATE ALL CLODS AND ROCKS OVER 1".
B. BACKFILL MIX SHALL BE AMENDED AND BLENDED PE AGRONMIST TEST RECOMMENDATIONS.

6 NATIVE SHRUB/TREE PLANTING

SCALE: N.T.S 32 90 00 SHRUB - NATIVE..dwg

PAUL MURDOCH ARCHITECTS

6310 SAN VICENTE BLVD SUITE 400
LOS ANGELES, CALIFORNIA 90048
310 358-0993

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LICENSED LANDSCAPE ARCHITECT
JOHN R. MATHER NO. 5117
2/29/28
Renewal Date
06/01/26
Date
STATE OF CALIFORNIA

MIG
360 East Second Street
Suite 675
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NO.	DATE	REVISION

MAGIC JOHNSON PARK MAKE READY & PARKING PROJECT

12416 AVALON BLVD.
LOS ANGELES, CA 90061

PMA PROJECT NO.
21023.01

DRAWING TITLE
LANDSCAPE PLANTING DETAILS

SCALE
AS INDICATED

DATE
06/01/2026

DRAWN WC
CHECKED WC, EM

SHEET NO.
L3.51

Z:\Shared\Los Angeles\Production\2024\124010\CAD\124010_L351.dwg
May. 12, 2026 10:09 AM
Plotted by: wchan

EXISTING SIGNAL PHASE DIAGRAM

Ø1 NOT USED	Ø2	Ø3 NOT USED	Ø4
Ø5 NOT USED	Ø6	Ø7 NOT USED	Ø8 NOT USED

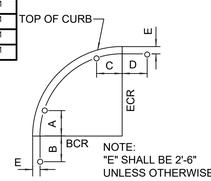
PROPOSED SIGNAL PHASE DIAGRAM

Ø1 NOT USED	Ø2	Ø3 NOT USED	Ø4
Ø5 NOT USED	Ø6	Ø7 NOT USED	Ø8

CONDUCTOR SCHEDULE

AWG OR CABLE TYPE	POLE	PHASES	CONDUIT SIZE AND RUN NUMBER 1	2	3	4	5	6	7	8
12 WIRE CONDUCTOR CABLE 11-#14 1-#12	1	Ø2, Ø4, Ø8, Ø4P / -							1	1
	2	Ø2, Ø8, Ø6P / -								
	3	- / -								
	4	Ø4, Ø8, Ø4P / -								
	5	Ø6, Ø6P / Ø4 APS								
	6	- / Ø4 APS								
	7	Ø4, Ø6, Ø2P, Ø4P / -								
3 WIRE CONDUCTOR CABLE (3-#14 PPB)	8	- / Ø2 APS						1	1	1
	9	- / Ø2 APS							1	1
		TOTAL						1	1 2	1 2
#8		GROUND BARE WIRE						1	1	1
CAT6 DIRECT BURIAL AND SHIELDED CABLE	1	Ø2 VIDEO DETECTION							1	1
	3	Ø8 VIDEO DETECTION			1	1	1	1	1	1
	5	Ø6 VIDEO DETECTION					1	1	1	1
	7	Ø4 VIDEO DETECTION						1	1	1

NOTE: ALL CONDUCTORS AND CABLES ARE NEW, UNLESS OTHERWISE NOTED.



NOTE:
"E" SHALL BE 2'-6"
UNLESS OTHERWISE NOTED.

POLE LOCATION DETAIL
NOT TO SCALE

DRAWING INDEX

TS-1 TRAFFIC SIGNAL PLAN

SS-1 SIGNING AND STRIPING PLAN

POLE SCHEDULE

POLE NO.	POLE TYPE	POLE SPEC YEAR	SIG MA LENGTH	SIGNAL MOUNTING M.A.	POLE	PED ■	LUMINAIRE (E) M.A. LENGTH	H.P.S. WATTS	PED PUSH ★ BUTTON NO.	PHASE	STREET NAME SIGN TYPE	LEGEND	POLE LOCATION A	B	C	D	E
1	18-3-100 (N) ▲	2025	30'(N)	MAS(N)	SV-3-T(N)	SP-1-T(N)	-	-	-	-	I.I.	126TH ST	–	–	–	7.5'	1.5'
2	15TS	-	-	-	SV-2-T(N)	SP-1-T	12'	250	-	-	-	-	–	–	–	–	–
3	15TS	-	-	-	-	-	8'	150	1(N)	6	-	-	–	–	–	–	–
4	1A	-	-	-	SV-2-T(N)	SP-1-T	-	-	1(N)	6	-	-	–	–	–	–	–
5	19-1-100	-	30'	MAS	SV-1-T	SP-1-T	12'	250	1(N)	4	I.I.	126TH ST	–	–	–	–	–
6	PPB POST	-	-	-	-	-	-	-	1(N)	4	-	-	–	–	–	–	–
7	1A	-	-	-	SV-2-T	SP-2-T(N)	-	-	-	-	-	-	–	–	–	–	–
8	PPB POST (N)	2025	-	-	-	-	-	-	1(N)	2	-	-	–	–	4.5'	–	3'
9	PPB POST (N)	2025	-	-	-	-	-	-	1(N)	2	-	-	4.5'	–	–	–	2'

■ - COUNTDOWN TYPE LED PEDESTRIAN INDICATION.
ALL EQUIPMENT IS EXISTING UNLESS OTHERWISE NOTED.
(N) - DENOTES NEW EQUIPMENT
(R) - DENOTES RELOCATED EQUIPMENT
(E) - DENOTES EXISTING EQUIPMENT
I.I. - INTERNALLY ILLUMINATED STREET NAME SIGNS

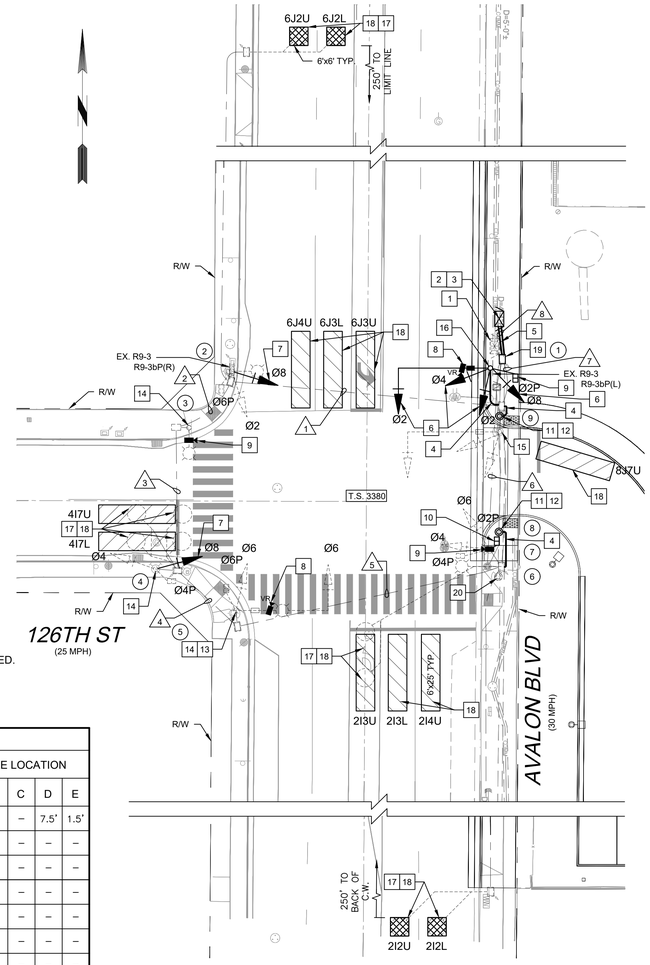
ALL NEW SIGNAL POLES AND MAST ARMS SHALL BE PER CALTRANS STANDARD PLANS, 2025 EDITION.

ALL SIGNAL MOUNTINGS SHALL BE PER STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION 2012 EDITION.

▲ - NEAR HIGH VOLTAGE LINE

★ - ALL PUSH BUTTONS TO BE APS PUSH BUTTONS. SEE APS TABLE.

Underground Service Alert
Call: TOLL FREE
811/800
227-2600
TWO WORKING DAYS BEFORE YOU DIG



PROPOSED PLAN
1"=20'

GENERAL SIGNAL NOTES:

1. REFER TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION 2021 EDITION, THE SPECIAL PROVISIONS, AND THE REFERENCED STANDARD PLANS FOR ADDITIONAL REQUIREMENTS NOT SHOWN ON THE PLANS.
2. THE GPS UNIVERSAL TIME BASE UNIT/MODULE ANTENNA SHALL BE LOCATED ON THE STREET SIDE OF THE TOP OF THE CONTROLLER CABINET.
3. ALL WIRING SHALL BE MARKED (TAGGED) WITHIN THE CONTROLLER CABINET FOR PHASE IDENTIFICATION.
4. ALL SIGNAL EQUIPMENT SHALL BE WIRED IN ACCORDANCE WITH THE (PROPOSED OR EXISTING) SIGNAL PHASE DIAGRAM.
5. ALL DETECTION ZONES SHALL BE CENTERED IN THE MIDDLE OF THE LANE AND FRONT DETECTION ZONES SHALL BE PLACED BEHIND THE EDGE OF THE CROSSWALK OR LIMIT LINE, UNLESS OTHERWISE NOTED.
6. DETECTORS AND/OR VIDEO DETECTION ZONES SHALL BE WIRED/RE-CONFIGURED PER DETECTOR ASSIGNMENTS SHOWN ON THIS PLAN.
7. INDICATES PROPOSED VIDEO DETECTION ZONE. INDICATES PROPOSED RADAR SENSING ZONE.
8. INDICATES VIDEO DETECTION/RADAR CAMERA. INDICATES VIDEO DETECTION CAMERA.
9. REMOVAL OR RELOCATION OF WIRELESS RADIO EQUIPMENT AND ANTENNA WILL BE DONE BY THE AGENCY. CONTRACTOR SHALL CONTACT THE SIGNAL SHOP AT (626) 458-1700 TEN (10) WORKING DAYS IN ADVANCE FOR COORDINATION.
10. POLE LOCATIONS SHOWN HEREON ARE APPROXIMATE. PRECISE LOCATIONS SHALL BE ESTABLISHED IN THE FIELD AND VERIFIED BY THE PROJECT ENGINEER.
11. ALL NEW SIGNAL POLES WITH PEDESTRIAN PUSH BUTTONS SHALL BE INSTALLED NO FURTHER THAN 5 FEET FROM THE BACK OF CROSSWALK OR LIMIT LINE UNLESS OTHERWISE NOTED.
12. PROPOSED CONTINENTAL CROSSWALKS SHALL BE 13' WIDE UNLESS SHOWN OTHERWISE. CONTINENTAL CROSSWALK MARKINGS SHALL BE ALIGNED PARALLEL TO THE DIRECTION OF VEHICULAR TRAVEL.
13. CONTACT LOS ANGELES COUNTY PUBLIC WORKS AT (626) 300-2012 UPON START OF SIGNAL CONSTRUCTION TO COORDINATE THE DEVELOPMENT OF TRAFFIC SIGNAL TIMING AND IMPLEMENTATION.

CONSTRUCTION NOTES:

1. REMOVE EXISTING TYPE 332 CABINET AND FOUNDATION COMPLETE.
2. NEW TYPE 332 ON NEW FOUNDATION , COMPLETE WITH 2070 ATC CONTROLLER, D4 PROGRAM AND 2010ECL CONFLICT MONITOR. (4) 2-CHANNEL ILD SENSOR UNITS. (1) PED ISOLATION MODULE, (5) SWITCH PACKS, AND 2070-7G GPS UNIVERSAL TIME BASE UNIT AND ANTENNA. MAINTAIN EXISTING SERVICE POINT.
3. VIDEO/RADAR MULTI-SENSOR DETECTION SYSTEM COMPLETE WITH 17" LCD MONITOR RACK MOUNTED DRAWER, VIDEO DETECTION SURGE PANEL, EDGE CONNECT MODULE OR AGENCY APPROVED EQUAL, GPS TIME BASE UNIT AND ANTENNA. REWIRE INSTRUCTIONS.
4. 3" PVC CONDUIT. LENGTH IS AS SHOWN ON PLAN.
5. (2) - 4" PVC CONDUITS AND (1) - 2" PVC CONDUIT. LENGTH IS SHOWN ON PLAN.
6. 3-12" LED VEHICLE HEAD (R, Y, G).
7. 3-12" (R, Y, G) LED VEHICLE HEAD ON EXISTING STANDARD AS SHOWN.
8. VIDEO/RADAR DETECTION CAMERA ON LUMINAIRE MAST ARM OR SIGNAL MAST ARM PER MANUFACTURER'S SPECIFICATIONS. SEE SPECIAL PROVISIONS.
9. VIDEO DETECTION CAMERA ON LUMINAIRE MAST ARM OR SIGNAL MAST ARM PER MANUFACTURER'S SPECIFICATIONS. SEE SPECIAL PROVISIONS.
10. LED COUNTDOWN PEDESTRIAN HEAD AS SHOWN.
11. PEDESTRIAN PUSH BUTTON POST AND FOUNDATION. (SEE POLE SCHEDULE).
12. APS PEDESTRIAN PUSH BUTTON (SEE POLE SCHEDULE).
13. REMOVE PEDESTRIAN PUSH BUTTON AND PLATE HOLE TO A SMOOTH FINISH.
14. APS PEDESTRIAN PUSH BUTTON ON EXISTING STANDARD (SEE POLE SCHEDULE).
15. REMOVE EXISTING TYPE 18 STANDARD NEAR HIGH VOLTAGE LINES COMPLETE. REMOVE EXISTING FOUNDATION.
16. TYPE 18 STANDARD ON NEW FOUNDATION COMPLETE WITH EQUIPMENT AS SHOWN. (SEE POLE SCHEDULE).
17. ABANDON EXISTING LOOPS AS SHOWN.
18. DETECTION ZONE AS SHOWN.
19. NO. 6 PULL BOX.
20. APS PEDESTRIAN PUSH BUTTON ON EXISTING PUSH BUTTON POST.

LA COUNTY IS RESPONSIBLE FOR OPERATING AND MAINTAINING THE INTERSECTION SAFETY LIGHTING ON THE PLAN

S 006–2026

APS VOICE TABLE

PLOES	VOICE ON LOCATION	WALK
3, 4	"WAIT TO CROSS 126TH STREET AT AVALON BOULEVARD. WAIT"	"126TH STREET. WALK SIGN IS ON TO CROSS 126TH STREET."
5, 6 8, 9	"WAIT TO CROSS AVALON BOULEVARD AT 126TH STREET. WAIT."	"AVALON BOULEVARD. WALK SIGN IS ON TO CROSS AVALON BOULEVARD."

PREPARED BY:
FEHR PEERS
600 Wilshire Boulevard Los Angeles, CA 90017
Suite 1050 (213) 261–3050

REVIEWED LOS ANGELES COUNTY
BY: DATE
RECOMMENDED LOS ANGELES COUNTY
BY: DATE
APPROVED MARK PESTRELLA, DIRECTOR OF PUBLIC WORKS
BY: DATE

DATE	MARK	DESCRIPTION

REVISIONS

REGISTERED PROFESSIONAL ENGINEER
Claudia Tedesco
Exp. 03/31/27
CIVIL
STATE OF CALIFORNIA
DATE: 6/16/2026

LOS ANGELES COUNTY PUBLIC WORKS

TRAFFIC SIGNAL PLAN
MAGIC JOHNSON PARK MAKE READY & PARKING
AVALON BOULEVARD
AT 126TH STREET

PROJECT ID NO. TSMXXXXXX PCA NO. XXXXXXXX
SCALE 1" - 20' | I/S XX OF XX | T.S.3380 | SHEET 1 OF 1

THIS PLAN EXPIRES 2 YEARS AFTER APPROVAL DATE

CADD PROJECT FILE NAME: 0111-TS.DWG
CHECKER
DESIGNER
DRAFTER

PAUL MURDOCH ARCHITECTS
6310 SAN VICENTE BLVD SUITE 400
LOS ANGELES, CALIFORNIA 90048
310 358-0993

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NO. DATE REVISION

MAGIC JOHNSON PARK MAKE READY & PARKING PROJECT

12416 AVALON BLVD.
LOS ANGELES, CA 90061

PWA PROJECT NO.
21023.01

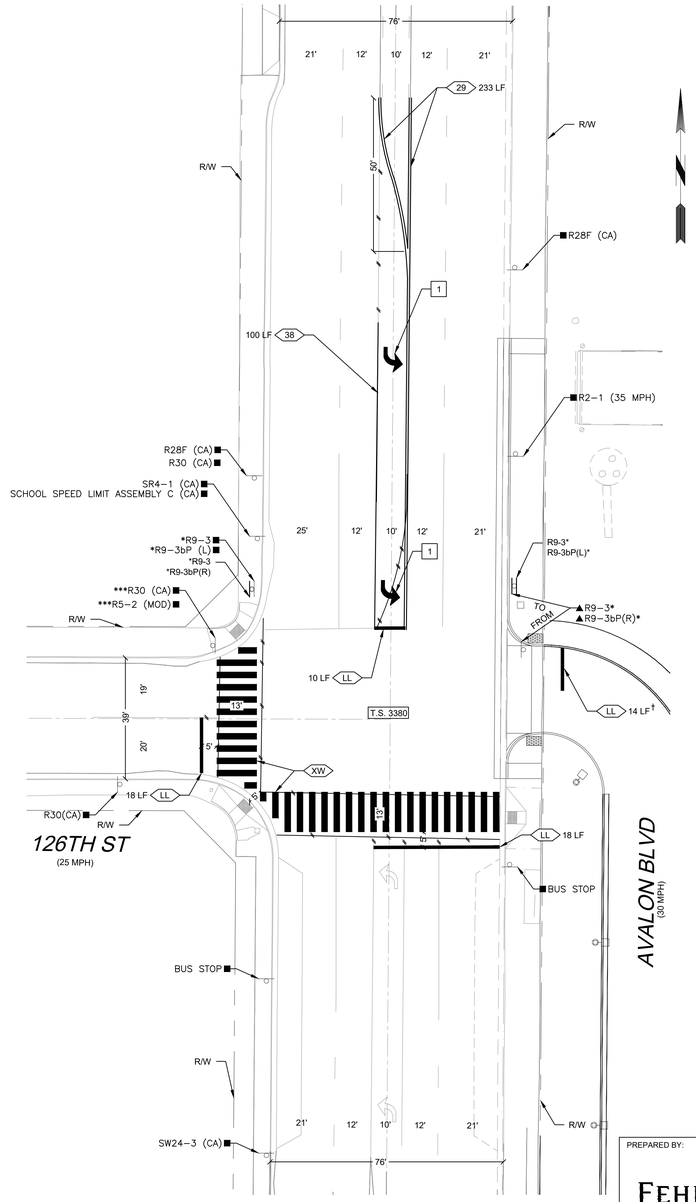
DRAWING TITLE
TRAFFIC SIGNAL PLAN

SCALE
1" = 20"

DATE
12/03/2025

DRAWN KC CHECKED CS

SHEET NO.
TS-1



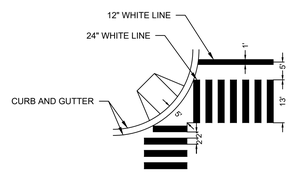
PROPOSED PLAN
1"=20'

CONSTRUCTION NOTES (THIS SHEET ONLY):

- 1 — INSTALL TYPE IV PAVEMENT ARROW (L)(R) PER CALTRANS STANDARD PLAN A24A
- REMOVE EXISTING PAVEMENT STRIPE, ARROW OR LEGEND (BY SANDBLASTING)
- ● REMOVE ROADSIDE SIGN
- ▲ RELOCATE EXISTING ROADSIDE SIGN ON NEW OR EXISTING POST
- ■ EXISTING ROADSIDE SIGN TO REMAIN (PROTECT IN PLACE)
- LL — INSTALL NEW THERMOPLASTIC 12" LIMIT LINE
- XX — PROPOSED PAVEMENT STRIPING PER CALTRANS STRIPING DETAILS. SEE STANDARD PLAN A20A THRU A24F
- XW — INSTALL NEW THERMOPLASTIC CONTINENTAL CROSSWALK PER DETAIL "A."
- NEW ROADSIDE SIGN ON NEW POST.
- NEW ROADSIDE SIGN ON EXISTING POST.

GENERAL NOTES (THIS SHEET ONLY):

1. ALL TRAFFIC LINES AND PAVEMENT MARKINGS SHOWN SHALL BE INSTALLED WITH THERMOPLASTIC BY THE CONTRACTOR, UNLESS OTHERWISE NOTED.
2. ALL TRAFFIC LINES AND PAVEMENT MARKINGS SHALL CONFORM TO 2015 CALTRANS STANDARD PLANS AND SPECIFICATIONS.
3. REMOVAL OF ALL CONFLICTING LINES AND MARKING SHALL BE BY GRINDING AND INCLUDES REMOVAL OF RAISED PAVEMENT MARKERS.
4. ALL ARROW MARKINGS SHALL BE TYPE IV (L OR R) UNLESS OTHERWISE NOTED.
5. ALL LANE STRIPING AT INTERSECTION APPROACHES WITHOUT CROSSWALKS SHALL END 10 FEET FROM THE EXTENSION OF THE INTERSECTING CURB LINE.
6. LANE WIDTHS SHALL BE MEASURED BETWEEN THE CENTERLINES OF EACH ADJACENT SINGLE OF DOUBLE STRIPE TO TOP OF CURB.
7. PROPOSED LIMIT LINE SHOULD BE INSTALLED AT A MINIMUM OF 4 FEET BEHIND THE EXISTING CURB EXTENSION OR EDGE OF TRAVEL WAY (NO EXISTING CURB RAMP). IN THE CASE OF AN INTERSECTION WITH A CURB RAMP, THE LIMIT LINE SHALL BE PLACED BEHIND THE RAMP'S LANDING AREA, BUT IN NO CASE GREATER THAN 30 FEET BACK.
8. EXISTING RAISED PAVEMENT MARKERS DAMAGED DURING REMOVAL SHALL BE REPLACED BY THE CONTRACTOR.
9. ALL NEW SIGN DESIGNATIONS SHALL CONFORM TO THE 2026 CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION REVISION.
10. ALL SIGNING SHOWN HEREON SHALL BE INSTALLED, RELOCATED, OR REMOVED BY LOS ANGELES COUNTY PUBLIC WORKS AT THE DEVELOPER'S EXPENSE. CALL (626) 458-1708 THIRTY (30) DAYS PRIOR TO CONSTRUCTION.
11. ALL NEW STRIPING PLANS SHALL CONFORM TO THE 2026 CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT REVISION, EXCEPT THE STRIPING WIDTH, WHICH SHALL CONFORM TO THE 2015 CALTRANS STANDARD PLANS AND SPECIFICATIONS.
12. DEVELOPERS MAY FABRICATE SIGNS IN ACCORDANCE TO THE 2026 CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST REVISION AND PUBLIC WORK'S SPECIAL PROVISIONS. CALL (626) 458-1708 TO COORDINATE WITH OPERATIONAL SERVICES DIVISION FOR THE LATEST SPECIAL PROVISIONS FOR SIGNAGE.
13. ALL PROPOSED SIGNAGE AND STRIPING OUTSIDE OF THE COUNTY RIGHT OF WAY SHALL BE INSTALLED AND MAINTAINED BY OTHERS.
14. FOR ALL QUESTIONS RELATED TO THIS PLAN, PUBLIC WORKS' INSPECTORS SHOULD CONTRACT TRAFFIC SAFETY AND MOBILITY-TRAFFIC STUDIES SECTIONS AT (626) 300-4707.
15. AT 120 DAYS PRIOR TO THE INSTALLATION OF SIGNS, CONTACT TRAFFIC SAFETY AND MOBILITY-TRAFFIC STUDIES SECTION AT (626) 300-4707 TO BEGIN THE PROCESS OF ADOPTING THE TRAFFIC REGULATIONS.
16. A REGISTERED CIVIL ENGINEER SHALL PREPARE ANY SIGNING AND STRIPING DELTA REVISION PLAN(S) AND SUBMIT TO TRAFFIC SAFETY AND MOBILITY DIVISION-TRAFFIC STUDIES SECTION FOR REVIEW AND APPROVAL FOR ANY REVISIONS OF THE APPROVED PLAN(S). A PLAN CHECKING FEE/DEPOSIT SHALL BE REQUIRED.



DETAIL "A"
(NO SCALE)

LEGEND:

- EXISTING TYPE IV (L)(R) PAVEMENT ARROW
- EXISTING TYPE I 10' PAVEMENT ARROW
- EXISTING ROADSIDE SIGN
- R9-3 (18"X18")
- USE CROSSWALK — R9-3bP (18"X12")
- * INDICATES SIGN MOUNTED ON TRAFFIC SIGNAL POLE.
- ** INDICATES SIGN MOUNTED ON TRAFFIC SIGNAL MAST ARM.
- *** INDICATES SIGN MOUNTED ON STREET LIGHT POLE.
- † INDICATES STRIPING TO BE INSTALLED OR MAINTAINED BY OTHERS.

DRAFTER | DESIGNER | CHECKER | CADD PROJECT FILE NAME: 0111-SS.DWG

PREPARED BY:
FEHR & PEERS
600 Wilshire Boulevard Los Angeles, CA 90017
Suite 1050 (213) 261-3050

REVIEWED LOS ANGELES COUNTY
BY: DATE
RECOMMENDED LOS ANGELES COUNTY
BY: DATE
APPROVED MARK PESTRELLA, DIRECTOR OF PUBLIC WORKS
BY: DATE

DATE	MARK	DESCRIPTION

REVISIONS

DATE: 6/16/2026

LOS ANGELES COUNTY PUBLIC WORKS

SIGNING AND STRIPING PLAN
MAGIC JOHNSON PARK MAKE READY & PARKING
AVALON BOULEVARD
AT 126TH STREET

PROJECT ID NO. TSMXXXXXX PCA NO. XXXXXXXX

SCALE 1" - 20' | I/S XX OF XX | G.D. | SHEET 1 OF 1

THIS PLAN EXPIRES 2 YEARS AFTER APPROVAL DATE

PAUL MURDOCH ARCHITECTS
6310 SAN VICENTE BLVD SUITE 400
LOS ANGELES, CALIFORNIA 90048
310 358-0993

THE DRAWINGS AND SPECIFICATIONS AND IDEAS, DESIGN, AND ARRANGEMENTS REPRESENTED THEREBY ARE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT, AND NO PART THEREOF SHALL BE COPIED, DISCLOSED TO OTHERS, OR USED IN CONNECTION WITH ANY WORK OR PROJECT THAN THE SPECIFIC PROJECT FOR WHICH THEY HAVE BEEN PREPARED AND DEVELOPED WITHOUT THE WRITTEN CONSENT OF THE ARCHITECT. VISUAL CONTACT WITH THESE DRAWINGS OR SPECIFICATIONS SHALL CONSTITUTE CONCLUSIVE EVIDENCE OF ACCEPTANCE OF THESE RESTRICTIONS. WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB AND THIS OFFICE MUST BE NOTIFIED OF ANY VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN BY THESE DRAWINGS. SHOP DETAILS MUST BE SUBMITTED TO THIS OFFICE FOR REVIEW BEFORE PROCEEDING WITH FABRICATION

NO. DATE REVISION

MAGIC JOHNSON PARK MAKE READY & PARKING PROJECT

12416 AVALON BLVD.
LOS ANGELES, CA 90061

PWA PROJECT NO.: 21023.01

DRAWING TITLE: SIGNING AND STRIPING PLAN

SCALE: 1" = 20"

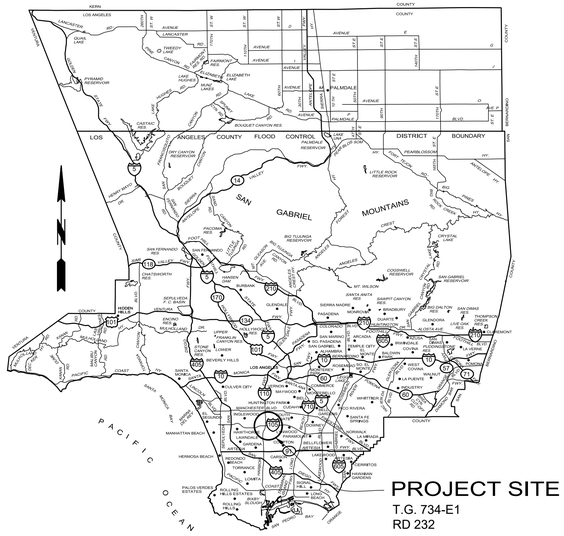
DATE: 12/03/2025

DRAWN: KC | CHECKED: CS

SHEET NO.: SS-1

LOS ANGELES COUNTY PUBLIC WORKS

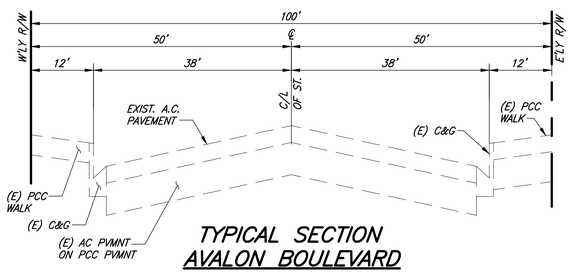
STREET IMPROVEMENTS PLAN
12416 AVALON BLVD., LOS ANGELES, CA 90061
EIMP 2026000193



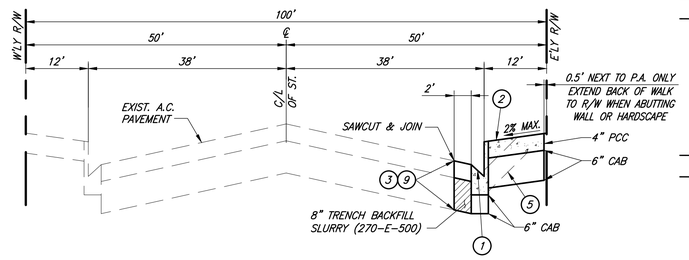
LOCATION MAP
NOT TO SCALE

INDEX TO PROJECT DRAWINGS

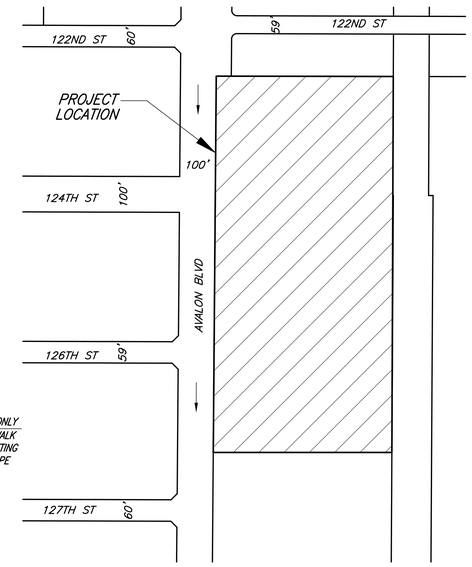
SHEET NO	DESCRIPTION
1	TITLE SHEET
2	GENERAL NOTES, CMB NOTES & STORMWATER POLLUTION PLAN NOTES
3	AVALON BOULEVARD FROM 131.66' S/O 122ND ST. TO 137.28' S/O 124TH ST.
4	AVALON BOULEVARD FROM 137.28' S/O 124TH ST. TO 163.13' N/O 127TH ST.



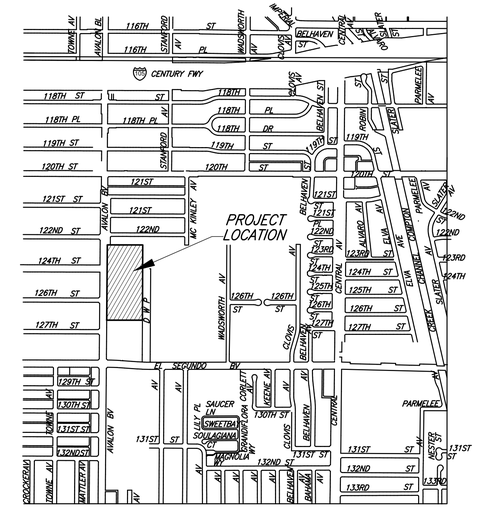
TYPICAL SECTION
AVALON BOULEVARD
NTS



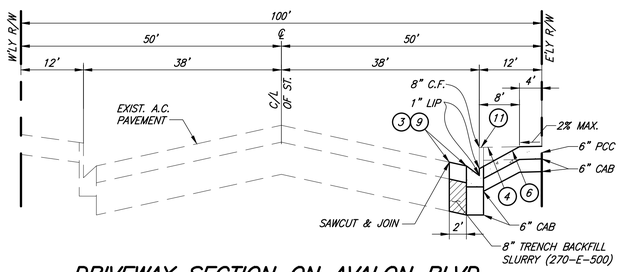
DRIVEWAY CLOSURE SECTION ON AVALON BLVD.
NTS



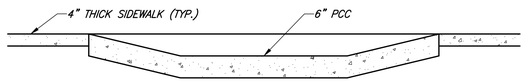
KEY MAP
SCALE: 1"=200'



VICINITY MAP
SCALE 1" = 1,000'



DRIVEWAY SECTION ON AVALON BLVD.
NTS



SECTION A-A (FOR MODIFIED TYPE "C" DRIVEWAY)
NTS

CONSTRUCTION NOTES:

1. CONSTRUCT CURB & GUTTER PER SPPWC STD. PLAN 120, A2-8(200).
2. CONSTRUCT 4" THICK PCC SIDEWALK PER SPPWC STD. PLAN 112-2 & 113-2.
3. SAWCUT & REMOVE EXISTING A.C. PAVEMENT & BASE.
4. SAWCUT & REMOVE EXISTING SIDEWALK.
5. SAWCUT & REMOVE EXISTING DRIVEWAY.
6. CONSTRUCT COMMERCIAL DRIVEWAY APPROACH PER MODIFIED TYPE C DETAIL HEREON. R=10', Y=8', W=28'.
9. TRENCH BACKFILL SHALL CONSIST OF 4" AC PAVEMENT MIN., (C2-PG 64-10) OR EXISTING AC +1", WHICHEVER IS GREATER, ON 8" TRENCH BACKFILL SLURRY (270-E-500).
11. REMOVE EXISTING CURB & GUTTER.

ENGINEER'S/SURVEYOR'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 PERMANENT MONUMENTS; AND SHALL FILE THE REQUISITE CORNER RECORD OR RECORD OF SURVEY OF THE REFERENCES WITH THE COUNTY SURVEYOR.

SURVEYOR SEAL & SIGNATURE DATE

BENCH MARKS

BM RY187A	Elev. 136.911 FT 41.731 m
RDBM TAG IN N CB 1FT W/O BCR @ NW COR MAIN ST & EL SEGUNDO BLVD.	2013 YEAR ADJ NAVD88

Know what's below. Call before you dig.

APPROVED MARK PESTRELLA, DIRECTOR OF PUBLIC WORKS
BY ASSISTANT DEPUTY DIRECTOR DATE

RECOMMENDED LAND DEVELOPMENT DIVISION
BY ASSISTANT DIVISION ENGINEER DATE

REVIEWED
BY ROAD AND GRADING SECTION DATE

NO.	REVISIONS	REVISED BY	APPROVED BY	DATE

REGISTERED PROFESSIONAL ENGINEER BARBARA L. HALL No. 42206 Exp. 03/31/26 CIVIL STATE OF CALIFORNIA

PROJECT ENGINEER DATE

TITLE SHEET

LOS ANGELES COUNTY PUBLIC WORKS

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

EIMP 2026000193 | PH XXXXXXX | SHEET 1 OF 4

TS-RD-DL - 04/2019

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

ROAD STANDARD NOTES

1. A ROAD CONSTRUCTION PERMIT SHALL BE OBTAINED AND FEES PAID FOR CONSTRUCTION INSPECTION TO THE DEPARTMENT OF PUBLIC WORKS (DPW/THE COUNTY) AT THE LAND DEVELOPMENT DIVISION PERMIT COUNTER, 900 SOUTH FREMONT AVENUE, 3RD FLOOR, ALHAMBRA PRIOR TO STARTING WORK. ALLOW THREE WEEKS FOLLOWING PERMIT APPLICATION SUBMITTAL TO ENSURE ADEQUATE PROCESSING TIME FOR PERMIT ISSUANCE. FOR QUESTIONS CONTACT LAND DEVELOPMENT DIVISION, ENCROACHMENT PERMITS AND INSPECTION SECTION 626 4-58-4920

2. WHEN WORK IS WITHIN A CONTRACT CITY, THE CONTRACTOR SHALL CONTACT THE CITY'S DIRECTOR OF PUBLIC WORKS TO DETERMINE THE LOCATION TO PAY THE INSPECTION FEES.

3. THE CONTRACTOR SHALL CONTACT THE PERMIT OFFICE LISTED ON THE PERMIT APPLICATION TO ARRANGE FOR A PRE-CONSTRUCTION MEETING PRIOR TO CONSTRUCTION START.

4. ~~A FLOOD PERMIT SHALL BE OBTAINED FROM DPW, LAND DEVELOPMENT DIVISION AT (626) 458-3129 FOR ALL STORM DRAIN CONNECTIONS.~~

5. ~~FOR ALL WORK, SUBJECT TO APPROVAL AND INSPECTION BY CALTRANS OR CITIES, OBTAIN A PERMIT FROM THOSE JURISDICTIONS 30 DAYS PRIOR TO CONSTRUCTION WITHIN THEIR RIGHT-OF-WAY.~~

6. ALL WORK SHALL CONFORM TO THE STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION (SPPWC) AND THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, SUPPLEMENTED WITH THE LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS STANDARD PLANS 2000 EDITION. THE LATEST EDITIONS OF THESE MANUALS SHALL BE USED UNLESS OTHERWISE NOTED ON THE PLANS.

7. WORK IN PUBLIC STREETS, ONCE BEGUN, SHALL BE PROSECUTED TO COMPLETION WITHOUT DELAY TO AVOID UNNECESSARY INCONVENIENCE TO ADJACENT PROPERTY OWNERS AND TO THE TRAVELING PUBLIC. FAILURE TO COMPLY WITH THIS REQUIREMENT IS A VIOLATION OF SECTION 16.06.080 OF THE COUNTY HIGHWAY PERMIT ORDINANCE.

8. THE CONTRACTOR SHALL TAKE ALL NECESSARY AND PROPER PRECAUTIONS TO PROTECT ADJACENT PROPERTIES FROM ALL DAMAGE THAT MAY OCCUR FROM STORM WATER RUNOFF AND/OR DEPOSITION OF DEBRIS RESULTING FROM ANY AND ALL WORK IN CONNECTION WITH ITS WORK.

9. THERE SHALL BE NO ABOVE-GROUND OBSTRUCTION IN ANY PORTION OF THE SIDEWALK EXCEPT WHERE THE WIDTH, EXCLUSIVE OF THE CURB WIDTH, IS 6 FEET OR GREATER.

10. ~~AT THE EARLIEST OPPORTUNITY OR PRIOR TO FORMING SIDEWALKS, THE CONTRACTOR SHALL CONTACT THE LOCAL POSTAL OFFICE FOR LOCATION APPROVAL AND TYPE OF MAILBOX RECEPTACLES TO BE INSTALLED. MAILBOX RECEPTACLES, WHEN LOCATED BEHIND THE CURB, SHALL NOT BE INSTALLED WITHIN THE CURVE SECTIONS OF CUL-DE-SAC BULBS AND KNUCKLES.~~

11. CONSTRUCT WALK RETURNS AND TRANSITIONS PER DPW STANDARD PLAN 1130-1. WALK TRANSITIONS AROUND DRIVEWAYS AND UTILITIES SHALL CONFORM WITH DETAILS SHOWN HEREON.

12. ~~CONSTRUCT RESIDENTIAL DRIVEWAYS (4" PCC ON 6" BASE) PER SPPWC STANDARD PLAN 110-2 UNLESS OTHERWISE SHOWN. PRIOR TO FORMING CURB AND GUTTER, THE CONTRACTOR SHALL CONFER WITH THE COUNTY INSPECTOR TO SECURE APPROVAL FOR ALL DRIVEWAY LOCATIONS AND WIDTHS.~~

13. ~~CONSTRUCT STREET NAME SIGNS PER LOCATIONS SHOWN ON PLAN IN ACCORDANCE WITH CURRENT COUNTY SPECIFICATIONS AND STANDARD PLANS FOR STREET NAME SIGNS. INSTALLATIONS SHALL CONFORM TO "TYPE B" FOR STREETS CLASSIFIED AS RESIDENTIAL AND "TYPE A" FOR STREETS CLASSIFIED AS ANY OTHER CLASSIFICATION ABOVE RESIDENTIAL. ALL STREET NAME SIGNS AT AN INTERSECTION SHALL BE OF THE SAME TYPE AND SHALL HAVE ASTM TYPE IX RETRO-REFLECTIVE SHEETING WITH AN ANTI-GRAFFITI OVERLAY FILM. CONTACT THE DPW SIGN SHOP AT (626)458-1700 FOR SPECIFICATIONS AND STANDARD PLANS. STREET NAME SIGNS SHALL BE POSTED PRIOR TO OCCUPANCY OF BUILDINGS.~~

14. ~~PROVIDE A STREET LIGHTING SYSTEM APPROVED BY THE STREET LIGHTING SECTION, TRAFFIC AND LIGHTING DIVISION; AND PROVIDE FOR THE TEMPORARY OPERATIONS OF THE STREET LIGHTING SYSTEM. CONTACT TRAFFIC AND LIGHTING DIVISION AT (626) 300-4726 FOR MORE INFORMATION.~~

15. THICKNESS OF BASE MATERIALS WILL BE DETERMINED BY CALIFORNIA BEARING RATIO (CBR) SOIL TEST AND ESTABLISHED BY THE DPW MATERIALS LABORATORY. THE APPLICANT'S ENGINEER SHALL REQUEST TEST BY DPW, MATERIALS LABORATORY AT (626) 458-7936 AFTER STREETS HAVE BEEN ROUGH GRADED. PLANS MUST BE REVISED TO SHOW ACTUAL BASE TO BE PLACED.

16. CRUSHED MISCELLANEOUS BASE (CMB) MAY BE USED UNDER CURB, GUTTER, WALKS, AND DRIVEWAYS IN LIEU OF CRUSHED AGGREGATE BASE.

17. ANY DISTURBANCE OF LOOP DETECTORS OR SIGNAL EQUIPMENT WILL REQUIRE SIGNAL MODIFICATION PLANS TO BE SUBMITTED TO TRAFFIC AND LIGHTING DIVISION. THE CONTRACTOR SHALL CONFORM WITH THE APPROVED PLANS.

18. ~~DRIVEWAYS SHALL NOT ENCROACH IN THE 5 (FIVE) FEET GUTTER PORTION OF LOCAL DEPRESSIONS.~~

19. ~~PLANT STREET TREES PER SPPWC STANDARD PLAN 518-3 THROUGH 524-2 AS APPLICABLE, PRIOR TO OCCUPANCY OF BUILDINGS. SEE STREET TREE LIST HEREON. MINIMUM SIZE TREES SHALL BE 24" BOX UNLESS OTHERWISE SPECIFIED HEREON.~~

20. ALL (NEW) UTILITY LINES SHALL BE UNDERGROUND PER SECTION 21.24.400 OF TITLE 21 OF THE LOS ANGELES COUNTY CODE. CONTACT LAND DEVELOPMENT DIVISION ENCROACHMENT PERMIT'S AND INSPECTIONS SECTION AT (626) 458-3129 FOR PERMITTING INFORMATION RELATED TO UTILITY INSTALLATIONS WITHIN THE PUBLIC RIGHT OF WAY. NO UTILITY STRUCTURE OR LINE SHALL BE PLACED WITHIN THE PUBLIC RIGHT OF WAY WITHOUT HAVING VALID PERMITS. UNPERMITTED UTILITIES SHALL BE REMOVED AT CONTRACTOR'S/APPLICANT'S SOLE EXPENSE.

21. NO DRIVEWAYS SHOULD BE LOCATED WITHIN 25 FEET UPSTREAM OF A CATCH BASIN WHEN STREET GRADES IS 6% OR GREATER.

22. ~~RIP RAP NOTES:~~

    A. ~~ROCKS FOR GROUTED RIP RAP SHALL BE GOOD QUALITY BROKEN CONCRETE AND/OR RIVER RUN ROCK. THE SMALLEST DIMENSION SHALL NOT BE LESS THAN SIX (6) INCHES NOR GREATER THAN 18 INCHES UNLESS OTHERWISE SPECIFIED. THE LARGEST DIMENSION SHALL NOT EXCEED FOUR (4) TIMES THE SMALLEST DIMENSION.~~

    B. ~~THERE SHALL BE A GROUT BED AT LEAST TWO (2) INCHES BENEATH THE FIRST LAYER OF ROCK. ALL THE VOIDS BETWEEN THE ROCKS SHALL BE FILLED WITH GROUT. MAXIMUM SPACING BETWEEN ROCKS SHALL BE TWO (2) INCHES.~~

    C. ~~SURFACE ROCKS SHALL BE EMBEDDED FROM 1/2 TO 2/3 OF THEIR MAXIMUM DIMENSION.~~

23. ~~PIPE BEDDING SHALL BE:~~

    ~~IN ACCORDANCE WITH LOS ANGELES COUNTY ENGINEER CASE A BEDDING PER DPW STANDARD PLAN 3092-1 UNLESS OTHERWISE NOTED. THE BEDDING MATERIAL PLACED FROM THE BOTTOM OF THE PIPE TO 1 FOOT OVER THE TOP OF THE PIPE SHALL BE SAND, CRUSHED AGGREGATE, OR NATIVE FREE-DRAINING GRANULAR MATERIAL AND SHALL HAVE A SAND EQUIVALENT OF 20 OR GREATER.~~
    ~~OR~~
    ~~ACCORDING TO DPW STANDARD PLAN 3080-1, CASE 3, EXCEPT BELL AND SPIGOT PIPE WHICH SHALL BE CASE 2 BEDDING, UNLESS OTHERWISE SHOWN. "W" VALUES SHALL BE AS SPECIFIED ON DPW STANDARD PLAN 3080-1 FOR CASE 3 BEDDING, NOTES (A), (B), AND (C). IF THE "W" VALUE AT THE TIP 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 DEPARTMENT.~~

24. ALL CONSTRUCTION JOINTS FOR P.C.C. CURBS, GUTTERS, DRIVEWAYS AND SIDEWALKS SHALL BE IN ACCORDANCE WITH SPPWC STANDARD PLAN NO. 112-2.

25. THE LATEST REVISED PLAN OR DRAWING SHALL BE USED UNLESS OTHERWISE SPECIFICALLY NOTED.

26. REPAIR ANY CURB, GUTTER, SIDEWALK, AND PAVEMENT BROKEN OR DAMAGED DURING CONSTRUCTION

27. A SIGNING AND STRIPING PLAN IS REQUIRED. THE APPLICANT SHALL SUBMIT SIGNING AND STRIPING PLANS FOR APPROVAL TO TRAFFIC AND LIGHTING DIVISION (IF NOT ALREADY APPROVED) AND SHALL CONFORM WITH THE APPROVED SIGNING AND STRIPING PLAN PRIOR TO THE ACCEPTANCE OF THE STREETS FOR PUBLIC MAINTENANCE. AFTER OBTAINING THE CONSTRUCTION PERMIT, THE APPLICANT SHALL CONTACT OPERATIONAL SERVICES DIVISION AT (626) 458-1700 TO REQUEST THE FABRICATION AND INSTALLATION OF REQUIRED SIGNAGE PER APPROVED PLANS. THE APPLICANT SHALL DEPOSIT APPROPRIATE FEES WITH LAND DEVELOPMENT DIVISION WHEN APPLYING FOR THE PERMIT TO ALLOW COMPLETION OF THE NECESSARY WORK.

28. A TRAFFIC CONTROL PLAN MAY BE REQUIRED FOR WORK WITHIN PUBLIC RIGHT OF WAY. PRIOR TO SECURING A CONSTRUCTION OR EXCAVATION PERMIT, THE APPLICANT/CONTRACTOR SHOULD CONTACT LAND DEVELOPMENT DIVISION AT (626) 458-3129 AT THE EARLIEST POSSIBLE OPPORTUNITY TO DETERMINE IF SUCH A PLAN IS REQUIRED BASED ON THE PROPOSED SCOPE OF WORK. IF A TRAFFIC CONTROL PLAN IS DETERMINED TO BE NECESSARY, THE APPLICANT/CONTRACTOR SHALL SUBMIT PLANS TO LAND DEVELOPMENT DIVISION FOR APPROVAL.

29. ALL EXISTING SIGNS AND POSTS LOCATED WITHIN THE PUBLIC RIGHT OF WAY THAT INTERFERE WITH PROPOSED WORK SHALL BE REMOVED PRIOR TO WORK COMMENCING AND REPLACED IN KIND ONCE WORK HAS BEEN COMPLETED. PLEASE CALL OPERATIONAL SERVICES DIVISION AT (626) 458-1700 5 DAYS PRIOR TO COORDINATE.

STORMWATER POLLUTION CONTROL REQUIREMENTS FOR ROAD CONSTRUCTION

STORMWATER POLLUTION PLAN NOTES

A NOTES

1. EVERY EFFORT SHOULD BE MADE TO ELIMINATE THE DISCHARGE OF NON-STORMWATER FROM THE PROJECT SITE AT ALL TIMES.

2. ERODED SEDIMENTS AND OTHER POLLUTANTS MUST BE RETAINED ON-SITE AND MAY NOT BE TRANSPORTED FROM THE SITE VIA SHEETFLOW, SWALES, AREA DRAINS, NATURAL DRAINAGE COURSES, OR WIND.

3. STOCKPILES OF EARTH AND OTHER CONSTRUCTION RELATED MATERIALS MUST BE PROTECTED FROM BEING TRANSPORTED FROM THE SITE BY THE FORCES OF WIND OR WATER.

4. FUELS, OILS, SOLVENTS, AND OTHER TOXIC MATERIALS MUST BE STORED IN ACCORDANCE WITH THEIR LISTING AND ARE NOT TO CONTAMINATE THE SOIL AND SURFACE WATERS. ALL APPROVED STORAGE CONTAINERS ARE TO BE PROTECTED FROM THE WEATHER. SPILLS MUST BE CLEANED UP IMMEDIATELY AND DISPOSED OF IN A PROPER MANNER. SPILLS MAY NOT BE WASHED INTO THE DRAINAGE SYSTEM.

5. EXCESS OR WASTE CONCRETE MAY NOT BE WASHED INTO THE PUBLIC WAY OR ANY OTHER DRAINAGE SYSTEM. PROVISIONS SHALL BE MADE TO RETAIN CONCRETE WASTES ON-SITE UNTIL THEY CAN BE DISPOSED OF AS SOLID WASTE.

6. TRASH AND CONSTRUCTION RELATED SOLID WASTES MUST BE DEPOSITED INTO A COVERED RECEPTACLE TO PREVENT CONTAMINATION OF RAINWATER AND DISPERSAL BY WIND.

7. SEDIMENTS AND OTHER MATERIALS MAY NOT BE TRACKED FROM THE SITE BY VEHICLE TRAFFIC. THE CONSTRUCTION ENTRANCE ROADWAYS MUST BE STABILIZED SO AS TO INHIBIT SEDIMENTS FROM BEING DEPOSITED INTO THE PUBLIC WAY. ACCIDENTAL DEPOSITIONS MUST BE SWEPT UP IMMEDIATELY AND MAY NOT BE WASHED DOWN BY RAIN OR OTHER MEANS.

8. ANY SLOPES WITH DISTURBED SOILS OR DENUDED OF VEGETATION MUST BE STABILIZED SO AS TO INHIBIT EROSION BY WIND AND WATER.

B. THE FOLLOWING BMPs AS OUTLINED IN, BUT NOT LIMITED TO, THE LATEST EDITION OF THE CALIFORNIA BMP HANDBOOK (CONSTRUCTION) OR CALTRANS STORMWATER QUALITY HANDBOOKS (CONSTRUCTION SITE BMP MANUAL), MAY APPLY DURING THE CONSTRUCTION OF THIS PROJECT (ADDITIONAL MEASURES MAY BE REQUIRED IF DEEMED APPROPRIATE BY THE PROJECT ENGINEER OR THE BUILDING OFFICIAL):

EROSION CONTROL

EC1 SCHEDULING
EC2 PRESERVATION OF EXISTING VEGETATION
EC3 HYDRAULIC MULCH
EC4 HYDROSEEDING
EC5 SOIL BINDERS
EC6 STRAW MULCH
EC7 GEOTEXTILES & MATS
EC8 WOOD MULCHING
EC9 EARTH DIKES AND DRAINAGE SWALES
EC10 VELOCITY DISSIPATION DEVICES
EC11 SLOPE DRAINS
EC12 STREAMBANK STABILIZATION
EC13 RESERVED
EC14 COMPOST BLANKETS
EC15 SOIL PREPARATION\ROUGHENING
EC16 NON-VEGETATED STABILIZATION

TEMPORARY SEDIMENT CONTROL

SE1 SILT FENCE
SE2 SEDIMENT BASIN
SE3 SEDIMENT TRAP
SE4 CHECK DAM
SE5 FIBER ROLLS
SE6 GRAVEL BAG BERM
SE7 STREET SWEEPING AND VACUUMING
SE8 SANDBAG BARRIER
SE9 STRAW BALE BARRIER
SE10 STORM DRAIN INLET PROTECTION
SE11 ACTIVE TREATMENT SYSTEMS
SE12 TEMPORARY SILT DIKE
SE13 COMPOST SOCKS & BERMS
SE14 BIOFILTER BAGS

WIND EROSION CONTROL

WE1 WIND EROSION CONTROL

EQUIPMENT TRACKING CONTROL

TC1 STABILIZED CONSTRUCTION ENTRANCE EXIT
TC2 STABILIZED CONSTRUCTION ROADWAY
TC3 ENTRANCE/OUTLET TIRE WASH

NON-STORMWATER MANAGEMENT

NS1 WATER CONSERVATION PRACTICES
NS2 DEWATERING OPERATIONS
NS3 PAVING AND GRINDING OPERATIONS
NS4 TEMPORARY STREAM CROSSING
NS5 CLEAR WATER DIVERSION
NS6 ILLICIT CONNECTION/DISCHARGE
NS7 POTABLE WATER/IRRIGATION
NS8 VEHICLE AND EQUIPMENT CLEANING
NS9 VEHICLE AND EQUIPMENT FUELING
NS10 VEHICLE AND EQUIPMENT MAINTENANCE
NS11 PILE DRIVING OPERATIONS
NS12 CONCRETE CURING
NS13 CONCRETE FINISHING
NS14 MATERIAL AND EQUIPMENT USE
NS15 DEMOLITION ADJACENT TO WATER
NS16 TEMPORARY BATCH PLANTS

WASTE MANAGEMENT & MATERIAL POLLUTION CONTROL

WM1 MATERIAL DELIVERY AND STORAGE
WM2 MATERIAL USE
WM3 STOCKPILE MANAGEMENT
WM4 SPILL PREVENTION AND CONTROL
WM5 SOLID WASTE MANAGEMENT
WM6 HAZARDOUS WASTE MANAGEMENT
WM7 CONTAMINATION SOIL MANAGEMENT
WM8 CONCRETE WASTE MANAGEMENT
WM9 SANITARY/SEPTIC WASTE MANAGEMENT
WM10 LIQUID WASTE MANAGEMENT

NO DUMPING PUBLIC DRAINS TO OCEAN

CATCH BASIN STENCIL DETAIL

ALL CATCH BASINS AND INLETS THAT DISCHARGE INTO AN EXISTING OR PROPOSED STORM DRAIN MUST BE STENCILED TO DISCOURAGE ILLEGAL DUMPING OF POLLUTANTS. THIS STENCIL SHALL HAVE A MINIMUM DIAMETER OF 30 INCHES.

CRUSHED MISCELLANEOUS BASE (CMB) NOTES

PRIOR TO CONSTRUCTION:

1. CMB SHALL COMPLY WITH THE REQUIREMENTS OF SECTION 200-2.4 OF THE "GREENBOOK" STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 2003 EDITION OR LATEST EDITION.
2. PLACE A DEPOSIT WITH GEOTECHNICAL AND MATERIALS ENGINEERING DIVISION (GMED) TO INCLUDE THE COST OF REVIEWING THE SUBMITTAL AND QUALITY ASSURANCE TESTING. CONTACT GMED AT (626) 458-4928 EXTENSION 3687 FOR A COPY OF THE CURRENT COST ESTIMATE WORKSHEET.
3. SUBMIT THE FOLLOWING ITEMS TO GMED FOR REVIEW AND APPROVAL.* ALLOW A MINIMUM OF TWO (2) WORKING DAYS FOR REVIEW OF SUBMITTAL(S). CERTIFICATE OF COMPLIANCE WILL NOT BE ACCEPTED AS A SUBSTITUTE FOR THESE TESTS.
   - SOURCE LOCATION OF CMB
   - CMB GRADATION (ASTM C 131 TEST GRADING)
   - R-VALUE (CT 301)
   - SAND EQUIVALENT (SE)(CT 217)
   - PERCENTAGE WEAR @100 AND @500 REVOLUTIONS (ASTM C 131)

   *NOTE: ANY ITEM NOT IN COMPLIANCE WITH SECTION 200-2.4 OF THE GREENBOOK MAY BE RESUBMITTED FOR REVIEW
4. PRELIMINARY STAMPED APPROVAL FROM GMED WILL BE GIVEN WHEN ALL CMB ITEMS ARE IN COMPLIANCE WITH SECTION 200-2.4 OF THE GREENBOOK.
5. SUBMIT A QUALITY CONTROL (QC) PLAN TO GMED FOR REVIEW AND APPROVAL.

DURING CONSTRUCTION:

1. CONTACT GMED AT (626) 458-1707 TO SCHEDULE THE QUALITY ASSURANCE (QA) TESTING OF CMB. PROVIDE A MINIMUM OF 48 HOURS ADVANCE NOTICE.
2. FOR EVERY 1,000 TONS OF CMB, A 100 LB SAMPLE SHALL BE OBTAINED AND THE FOLLOWING QUALITY TESTS PERFORM BY GMED:
   - SAND EQUIVALENT (CT 217) AND GRADATION PER SAMPLE
   - ONE (1) R-VALUE TESTS PER SAMPLE (CT 301)**
   - PERCENTAGE WEAR AT 100 AND AT 500 REVOLUTIONS (ASTM C131) PER SAMPLE
3. FOR EVERY 2,500 SQUARE FEET OF CMB, AN IN-SITU DENSITY TEST SHALL BE PERFORMED BY GMED USING THE NUCLEAR GAUGE PER CT 231. PLEASE NOTIFY GMED A MINIMUM OF 24 HOUR NOTICE TO SCHEDULE THIS TEST.
4. FINAL APPROVAL IS CONTINGENT UPON THE QA TEST RESULTS PROVIDED BY GMED.

   ** THE R-VALUE REQUIREMENT MAY BE WAIVED PROVIDED THE MATERIAL HAS SE OF 40 OR MORE

AFTER CONSTRUCTION:

1. SUBMIT THE RESULTS OF THE QUALITY CONTROL (QC) TEST TO GMED. A NOTIFICATION OF THE QC TEST RESULT APPROVAL SHALL BE PROVIDED TO THE COUNTY INSPECTOR.

ABBREVIATIONS

BW	=	BACK OF WALK
CF	=	CURB FACE
FL	=	FLOWLINE
FS	=	FINISHED SURFACE
GB	=	GRADE BREAK
R/W	=	RIGHT-OF-WAY
TC	=	TOP OF CURB

STREET TREE LIST*

STREET	LIMITS	NO. TREES LT.	NO. TREES RT.	SPECIES BOTANICAL NAME (COMMON NAME)

*NOTE: COUNTY INSPECTOR MAY USE DISCRETION TO ADJUST LOCATION, SPACING, AND NUMBER OF STREET TREES AS DICTATED BY FIELD CONDITIONS

811 Know what's below. Call before you dig.

REVIEWED LAND DEVELOPMENT DIVISON

BY _____ ROAD AND GRADING SECTION DATE

NO.	REVISIONS	REVISED BY	APPROVED BY	DATE

REGISTERED PROFESSIONAL ENGINEER BARBARA L. HALL No. 42206 Exp. 03/31/28 CIVIL STATE OF CALIFORNIA

PROJECT ENGINEER DATE

T.G. 734–E1

GENERAL NOTES, CMB NOTES & STORMWATER POLLUTION PLAN NOTES

LOS ANGELES COUNTY PUBLIC WORKS

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

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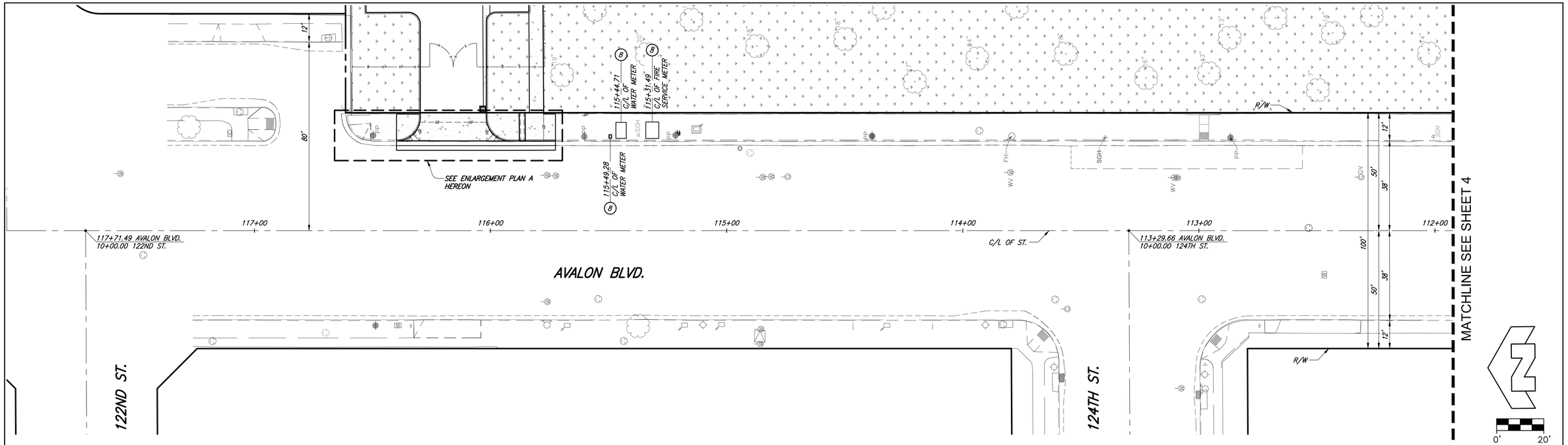

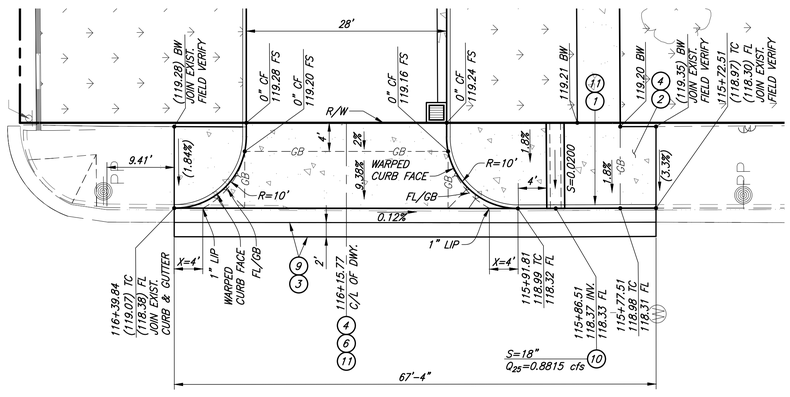

ENLARGEMENT PLAN A

SCALE: 1"=10'

CONSTRUCTION NOTES:

1. CONSTRUCT CURB & GUTTER PER SPPWC STD. PLAN 120, A2-8(200).
2. CONSTRUCT 4" THICK PCC SIDEWALK PER SPPWC STD. PLAN 112-2 & 113-2.
3. SAWCUT & REMOVE EXISTING A.C. PAVEMENT & BASE.
4. SAWCUT & REMOVE EXISTING SIDEWALK.
5. SAWCUT & REMOVE EXISTING DRIVEWAY.
6. CONSTRUCT COMMERCIAL DRIVEWAY APPROACH PER MODIFIED TYPE C DETAIL HEREON. R=10', Y=8', W=28'.
7. PROTECT EXISTING IN PLACE. SEE PLAN FOR TYPE.
8. FURNISH & INSTALL BY GOLDEN STATE WATER CO. SEE PLAN FOR TYPE. WORK BY SEPARATE PLAN AND PERMIT.
9. TRENCH BACKFILL SHALL CONSIST OF 4" AC PAVEMENT MIN., (C2-PG 64-10) OR EXISTING AC +1", WHICHEVER IS GREATER, ON 8" TRENCH BACKFILL SLURRY (270-E-500).
10. CONSTRUCT PARKWAY DRAIN PER SPPWC STD. PLAN 151-3, INLET TYPE 1, S=PER PLAN. (TO BE PRIVATELY MAINTAINED).
11. REMOVE EXISTING CURB & GUTTER.
12. TRAFFIC SIGNAL POLE. SEE TRAFFIC SIGNAL PLAN, SHEET TS-1, TSP EIMP 2026000187.
13. PEDESTRIAN PUSH BUTTON. SEE TRAFFIC SIGNAL PLAN, SHEET TS-1, TSP EIMP 2026000187.
14. REMOVE EXISTING TRAFFIC SIGNAL. SEE TRAFFIC SIGNAL PLAN, SHEET TS-1, TSP EIMP 2026000187.
15. ADJUST EXISTING TRAFFIC SIGNAL BOX COVER TO FINISH GRADE.
16. REMOVE EXISTING FIRE HYDRANT. (BY WATER CO.). WORK BY SEPARATE PLAN AND PERMIT.
17. TRUNCATED DOMES. SEE TRAFFIC SIGNAL PLAN, SHEET TS-1, TSP EIMP 2026000187.

T.G. 734-E1

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REVIEWED LAND DEVELOPMENT DIVISON

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REGISTERED PROFESSIONAL ENGINEER BARBARA L. HALL No. 42206 Exp. 03/31/28 CIVIL STATE OF CALIFORNIA

PROJECT ENGINEER DATE

AVALON BOULEVARD - FROM 131.66' S/O 122ND ST. TO 137.28' S/O 124TH ST.

LOS ANGELES COUNTY PUBLIC WORKS

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

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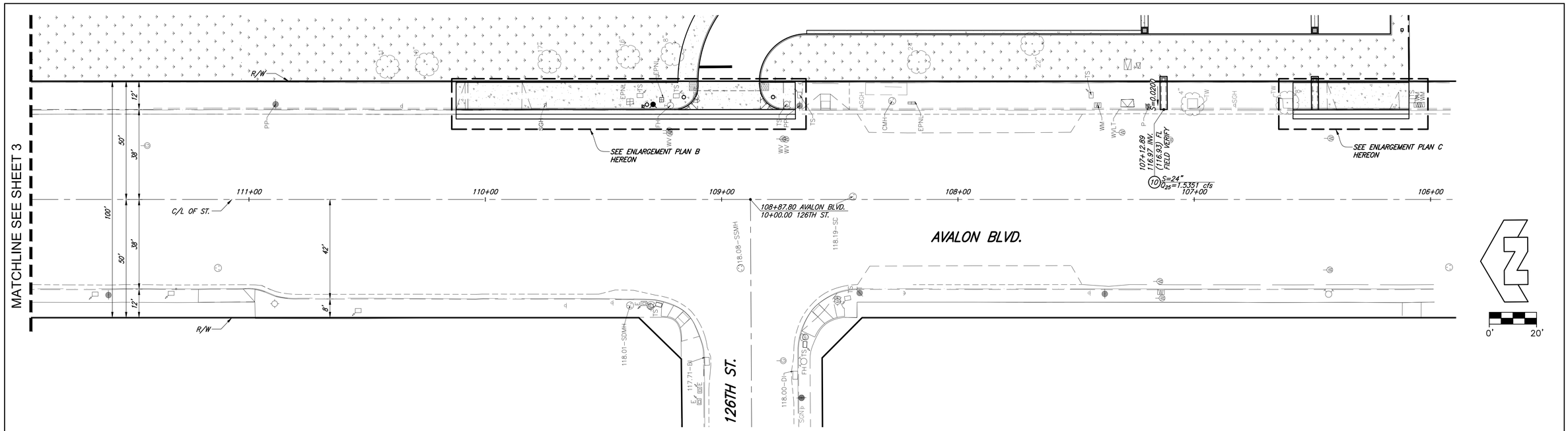
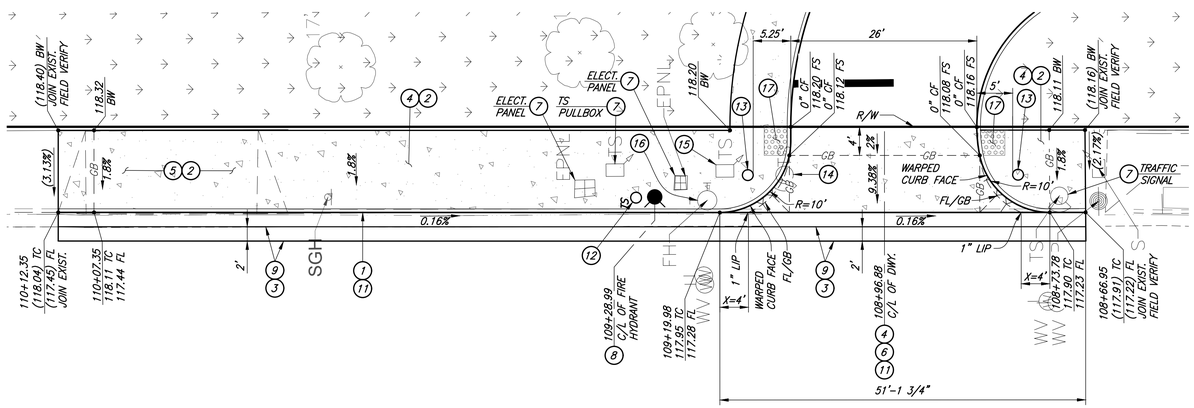
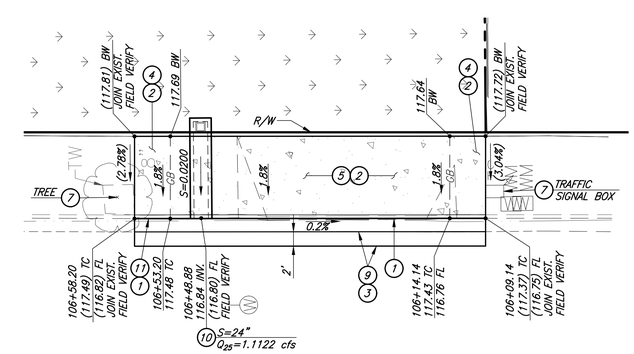
DATE: $DATE$ TIME: $TIME$ FILE: $FILEL$





ENLARGEMENT PLAN B

SCALE: 1"=10'



ENLARGEMENT PLAN C

SCALE: 1"=10'

CONSTRUCTION NOTES:

1. CONSTRUCT CURB & GUTTER PER SPPWC STD. PLAN 120, A2-8(200).
2. CONSTRUCT 4" THICK PCC SIDEWALK PER SPPWC STD. PLAN 112-2 & 113-2.
3. SAWCUT & REMOVE EXISTING A.C. PAVEMENT & BASE.
4. SAWCUT & REMOVE EXISTING SIDEWALK.
5. SAWCUT & REMOVE EXISTING DRIVEWAY.
6. CONSTRUCT COMMERCIAL DRIVEWAY APPROACH PER MODIFIED TYPE C DETAIL HEREON. R=10', Y=8', W=28'.
7. PROTECT EXISTING IN PLACE. SEE PLAN FOR TYPE.
8. FURNISH & INSTALL BY GOLDEN STATE WATER CO. SEE PLAN FOR TYPE. WORK BY SEPARATE PLAN AND PERMIT.
9. TRENCH BACKFILL SHALL CONSIST OF 4" AC PAVEMENT MIN., (C2-PG 64-10) OR EXISTING AC +1", WHICHEVER IS GREATER, ON 8" TRENCH BACKFILL SLURRY (270-E-500).
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PROJECT ENGINEER DATE

T.G. 734-E1

AVALON BOULEVARD - FROM 137.28' S/O 124TH ST. TO 163.13' N/O 127TH ST.

LOS ANGELES COUNTY PUBLIC WORKS

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