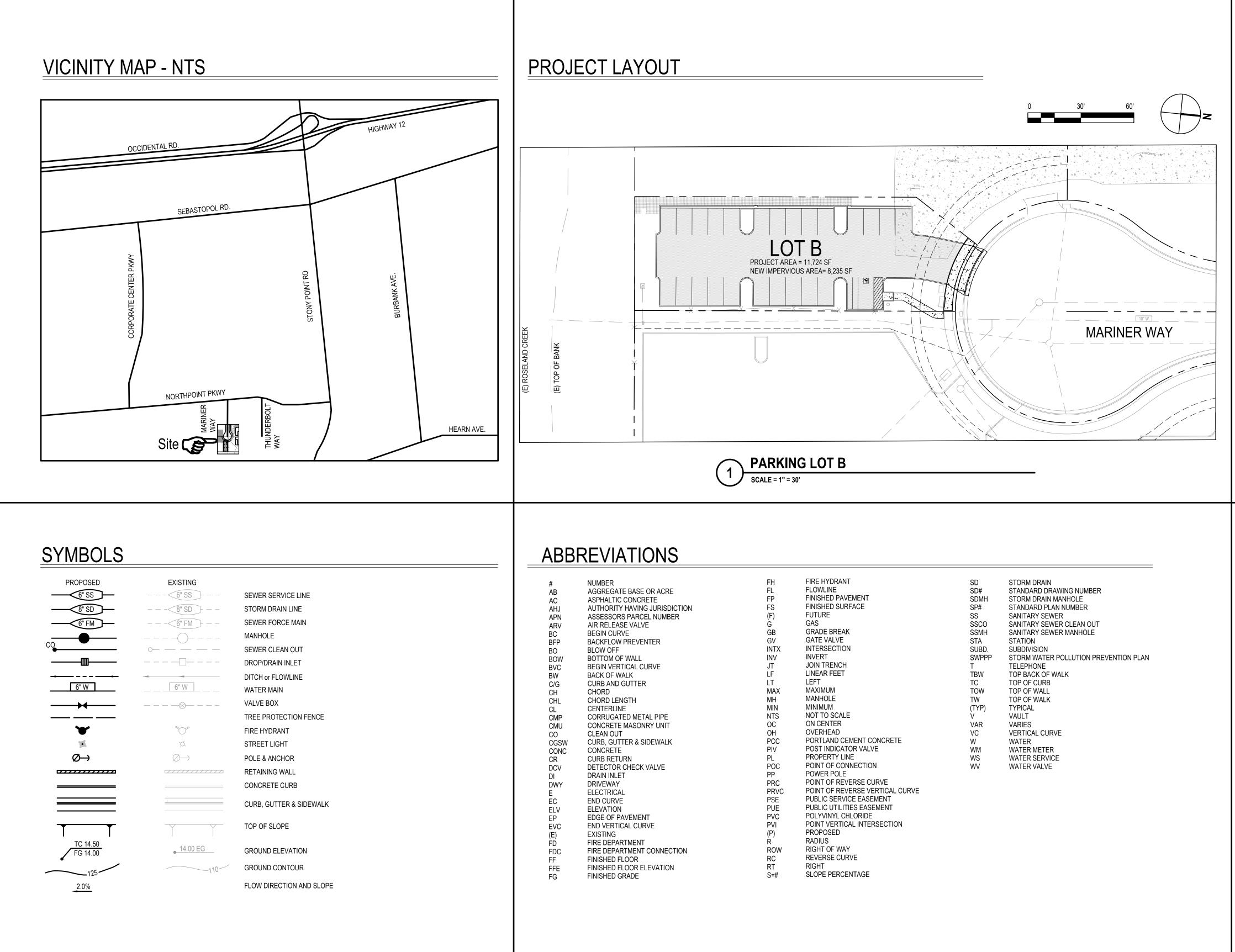
MARINER WAY PARKING LOT EXPANSION **ON-SITE IMPROVEMENT PLANS**



NUMBER	FH	FIRE HYDRANT	SD	STORM DRAIN
AGGREGATE BASE OR ACRE	FL	FLOWLINE	SD#	STANDARD DRAWING NUMBER
ASPHALTIC CONCRETE	FP	FINISHED PAVEMENT	SDMH	STORM DRAIN MANHOLE
AUTHORITY HAVING JURISDICTION	FS	FINISHED SURFACE	SP#	STANDARD PLAN NUMBER
ASSESSORS PARCEL NUMBER	(F)	FUTURE	SS	SANITARY SEWER
AIR RELEASE VALVE	G	GAS	SSCO	SANITARY SEWER CLEAN OUT
BEGIN CURVE	GB	GRADE BREAK	SSMH	SANITARY SEWER MANHOLE
BACKFLOW PREVENTER	GV	GATE VALVE	STA	STATION
BLOW OFF	INTX	INTERSECTION	SUBD.	SUBDIVISION
BOTTOM OF WALL	INV	INVERT	SWPPP	STORM WATER POLLUTION PREVENTION PLAN
BEGIN VERTICAL CURVE	JT	JOIN TRENCH	Т	TELEPHONE
BACK OF WALK	LF	LINEAR FEET	TBW	TOP BACK OF WALK
CURB AND GUTTER	LT	LEFT	TC	TOP OF CURB
CHORD	MAX	MAXIMUM	TOW	TOP OF WALL
CHORD LENGTH	MAX	MANHOLE	TW	TOP OF WALK
	MIN	MINIMUM	(TYP)	TYPICAL
	NTS	NOT TO SCALE	(TTF) V	VAULT
	OC	ON CENTER	V VAR	VADLT
CONCRETE MASONRY UNIT	OC	OVERHEAD	VAR VC	VARIES VERTICAL CURVE
		PORTLAND CEMENT CONCRETE		
CURB, GUTTER & SIDEWALK	PCC	POST INDICATOR VALVE	W	WATER
CONCRETE	PIV	PROPERTY LINE	WM	WATER METER
CURB RETURN	PL	POINT OF CONNECTION	WS	WATER SERVICE
DETECTOR CHECK VALVE	POC	POWER POLE	WV	WATER VALVE
DRAIN INLET	PP	POWER POLE POINT OF REVERSE CURVE		
DRIVEWAY	PRC			
ELECTRICAL	PRVC	POINT OF REVERSE VERTICAL CURVE		
END CURVE	PSE	PUBLIC SERVICE EASEMENT		
ELEVATION	PUE	PUBLIC UTILITIES EASEMENT		
EDGE OF PAVEMENT	PVC	POLYVINYL CHLORIDE		
END VERTICAL CURVE	PVI	POINT VERTICAL INTERSECTION		
EXISTING	(P)	PROPOSED		
FIRE DEPARTMENT	R	RADIUS		
FIRE DEPARTMENT CONNECTION	ROW	RIGHT OF WAY		
FINISHED FLOOR	RC	REVERSE CURVE		
FINISHED FLOOR ELEVATION	RT	RIGHT		
FINISHED GRADE	S=#	SLOPE PERCENTAGE		

Plot Date: 28 August 2020 - 11:17 AM

Plotted By: Jim Bruce

1402 MARINER WAY SANTA ROSA, CA 95407 APN: 035-530-050

SHEET INDEX

 1.	G-001	COVER SHEET
2.	C-100	SITE LOCATION MAP
3.	C-101	SITE PLAN
4.	C-102	GRADING PLAN
5.	C-103	TYPICAL SECTIONS
6.	L-100	LANDSCAPING PLAN
7.	E-001	ELECTRICAL LEGEND, NOTES & ABBREVIATIONS
8.	E-101	SITE PLAN LOT B
9.	E-701	LOT-B PHOTOMETRICS

City of Santa Rosa

September 9/2020

Planning & Economic

Development Department

DESIGN CONCEPT NARRATIVE

THE PROJECT INCLUDES THE FOLLOWING:

- 1. DEMOLITION OF SIDEWALK, CURB & GUTTER FOR PROPOSED DRIVEWAY.
- 2. DEMOLITION OF THE EXISTING CONCRETE AIRSTRIP WITHIN PROJECT LIMITS. 3. PROPOSED IMPROVEMENTS INCLUDE:
- 3.1. DRIVEWAY CUT
- 3.2. ASPHALT PAVEMENT 3.3. CONCRETE CURBS AND CURB & GUTTER
- 3.4. VEGETATED SWALE WITH UNDERDRAIN
- 4. GRADING FOR THE PROPOSED IMPROVEMENTS
- 5. STORM DRAINAGE INLET AND PIPING 6. LANDSCAPE PLANTING AND IRRIGATION
- 7. SITE LIGHTING AND ASSOCIATED ELECTRICAL EQUIPMENT



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Client

VIAVI Solutions Inc. 6001 AMERICA CENTER DRIVE, 6TH FLOOR SAN JOSE, CA 95002

Project

MARINER WAY, PARKING LOT EXPANSION

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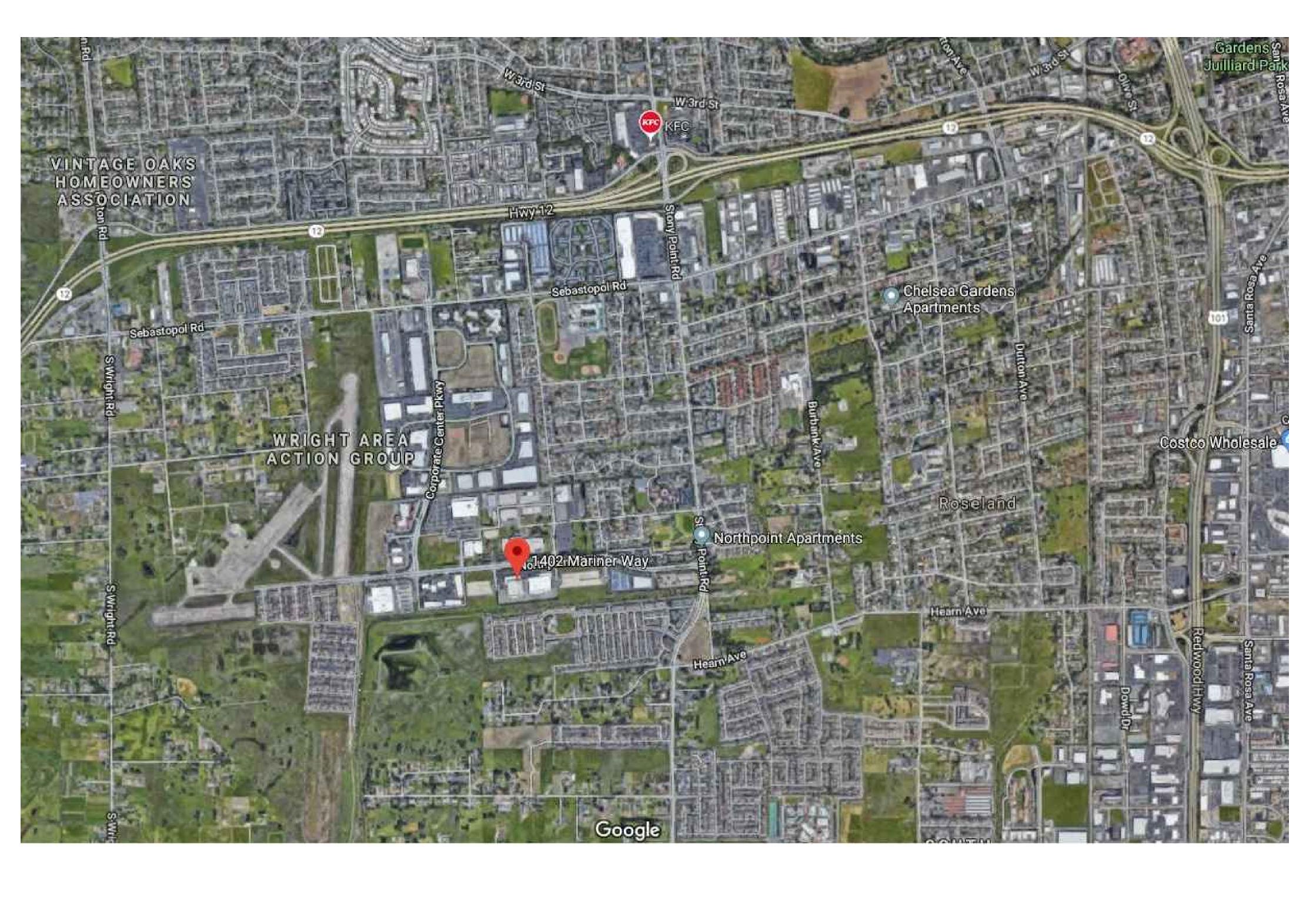
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COVER SHEET

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G - 001

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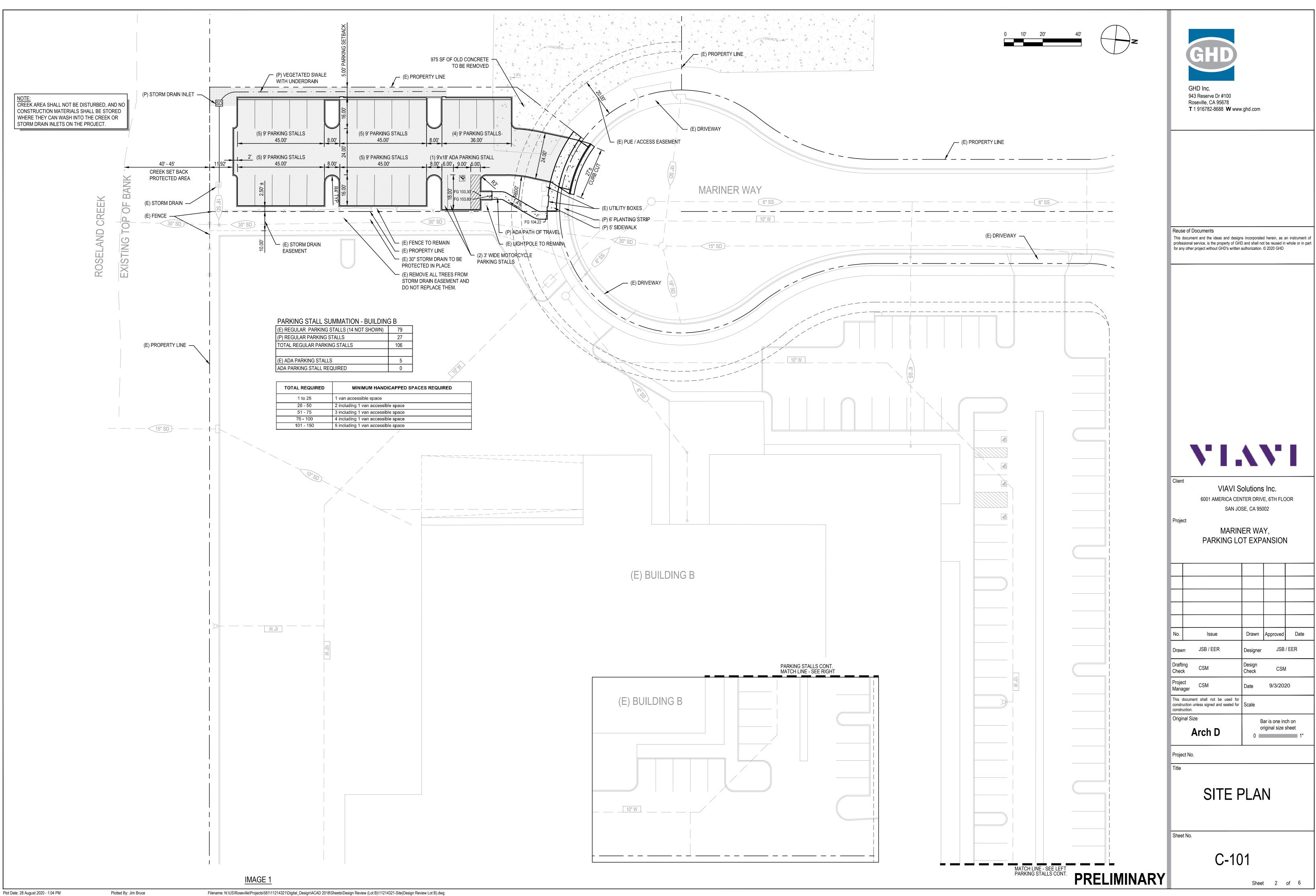


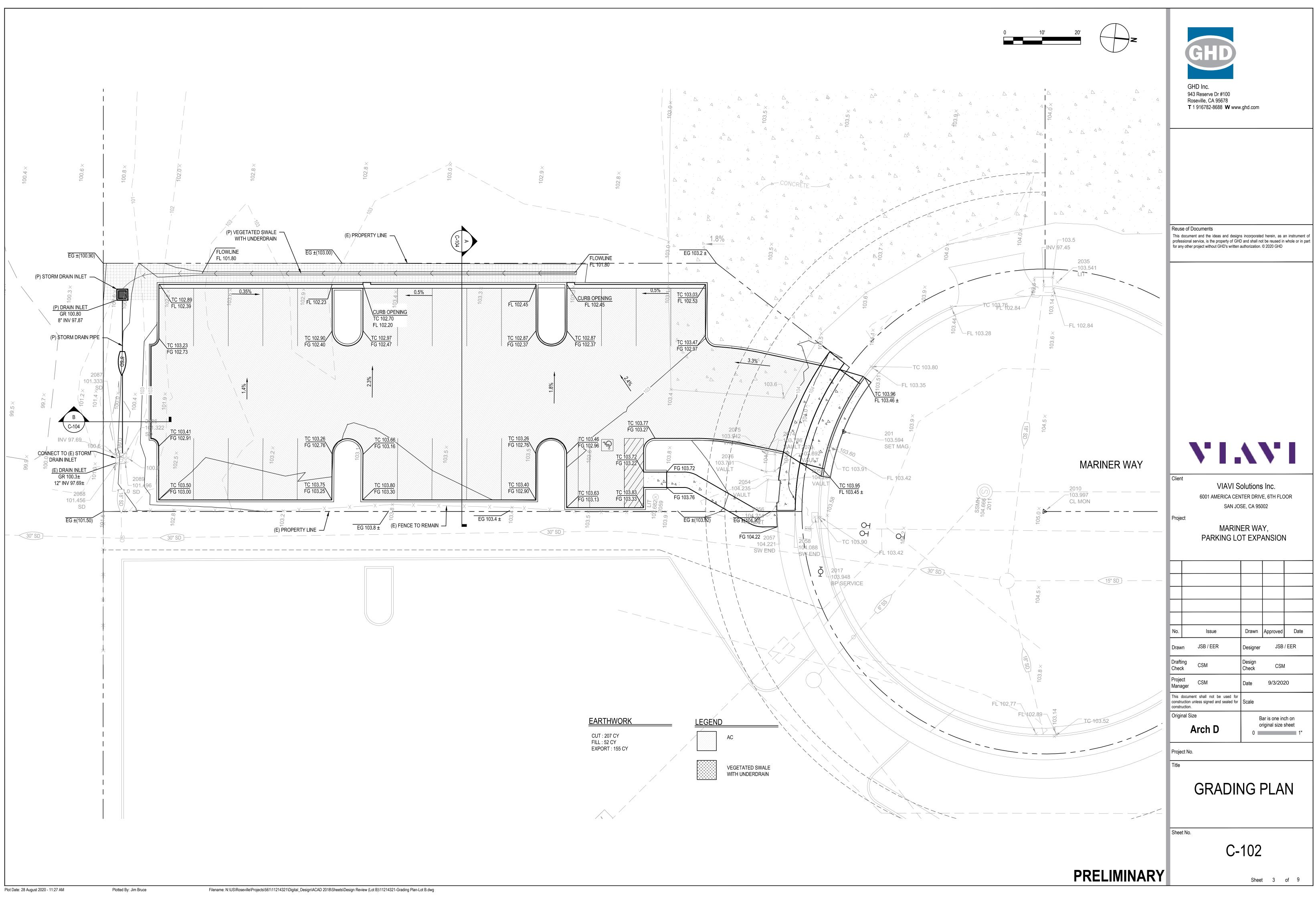
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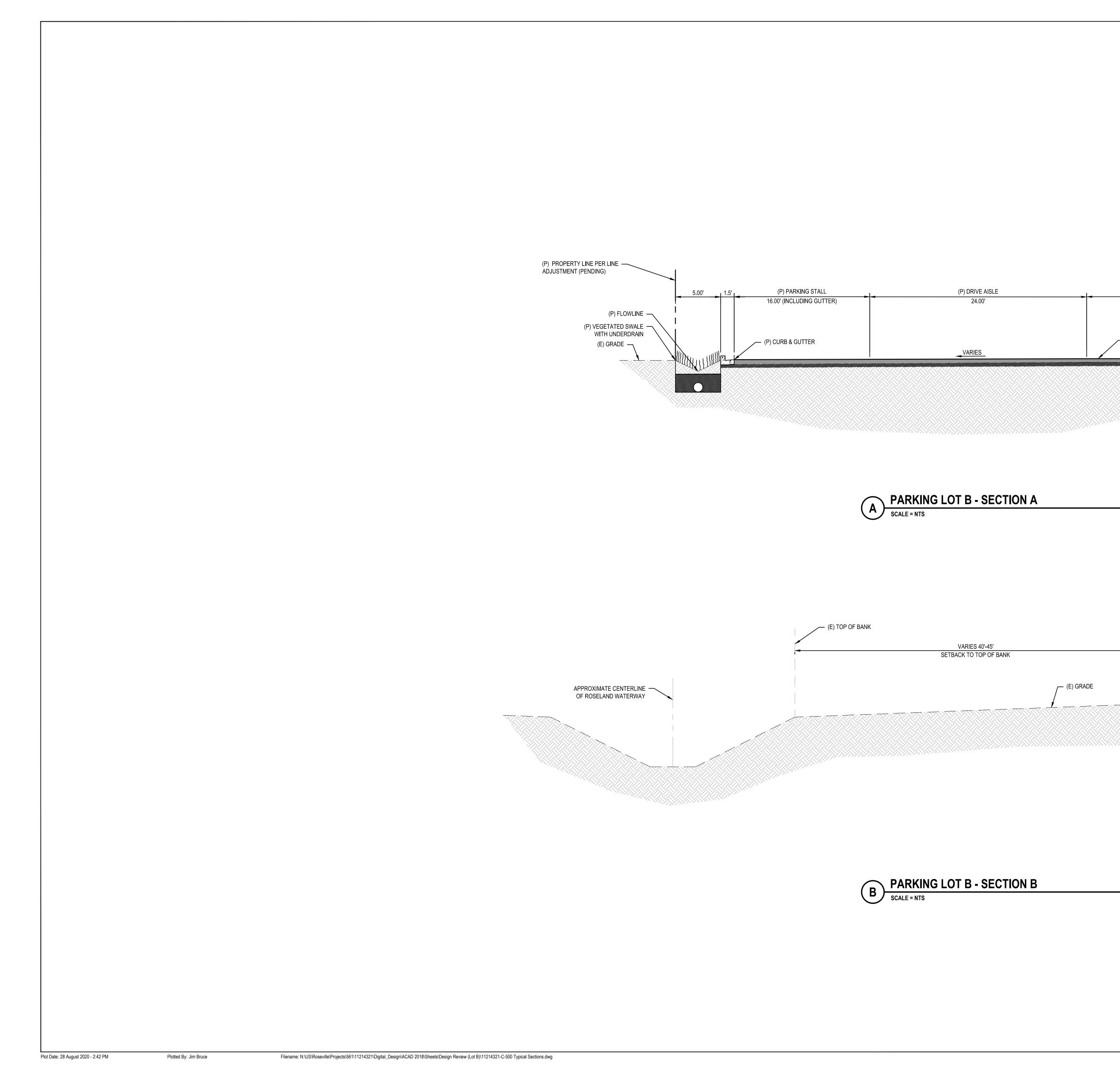
Plotted By: Jim Bruce

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	sional service, is the property of GHI y other project without GHD's written a			whole or in part
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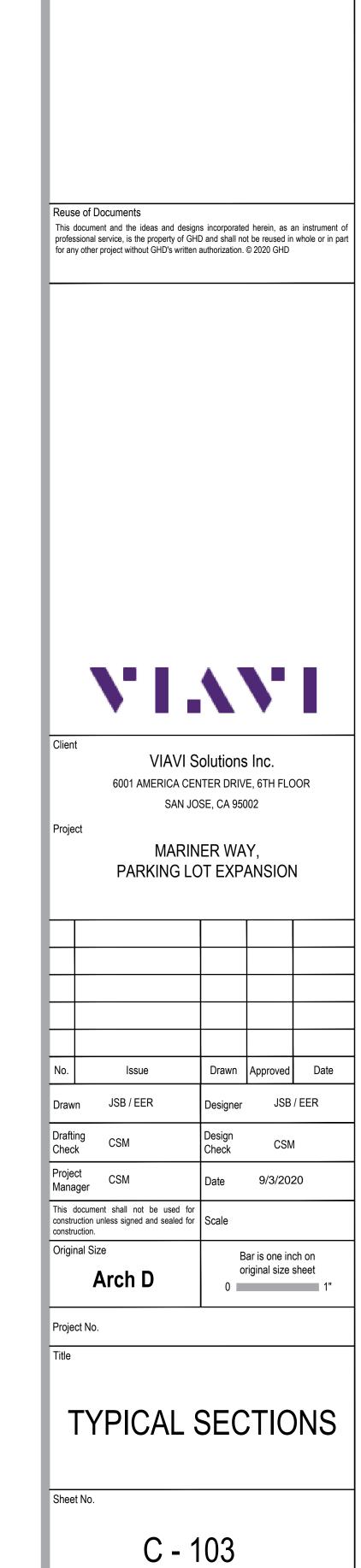
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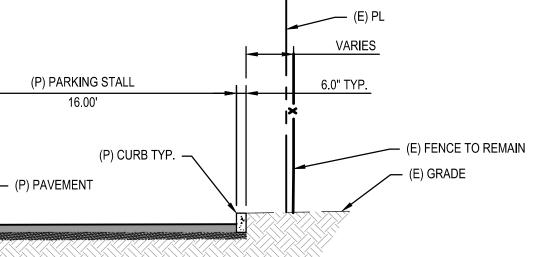


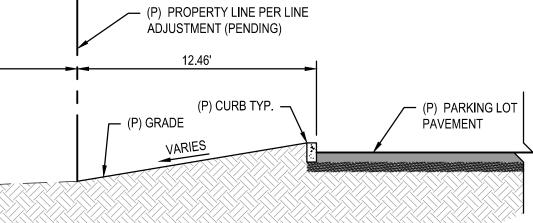
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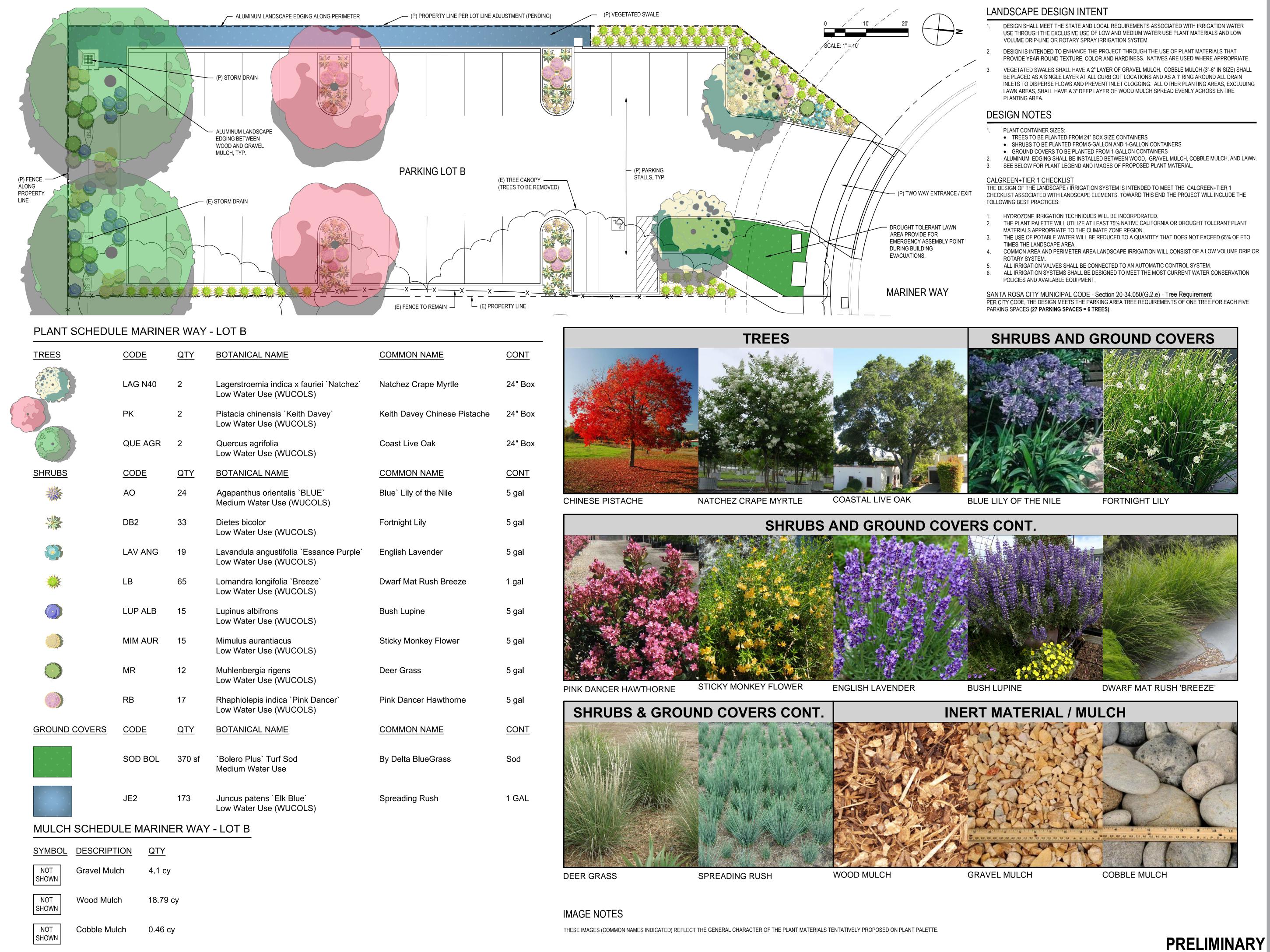
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Sheet 4 of 9



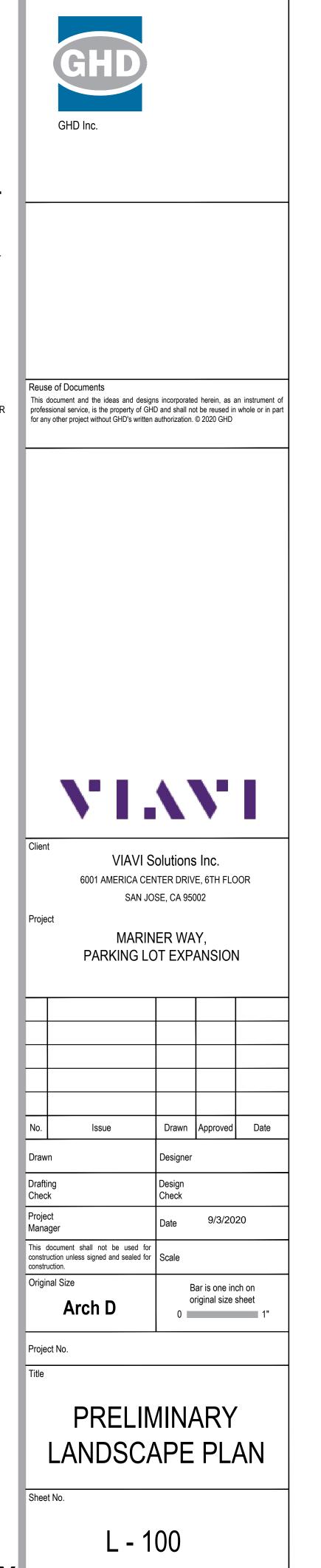
- USE THROUGH THE EXCLUSIVE USE OF LOW AND MEDIUM WATER USE PLANT MATERIALS AND LOW
- PROVIDE YEAR ROUND TEXTURE, COLOR AND HARDINESS. NATIVES ARE USED WHERE APPROPRIATE
- VEGETATED SWALES SHALL HAVE A 2" LAYER OF GRAVEL MULCH. COBBLE MULCH (3"-6" IN SIZE) SHALL BE PLACED AS A SINGLE LAYER AT ALL CURB CUT LOCATIONS AND AS A 1' RING AROUND ALL DRAIN INLETS TO DISPERSE FLOWS AND PREVENT INLET CLOGGING. ALL OTHER PLANTING AREAS, EXCLUDING

- ALUMINUM EDGING SHALL BE INSTALLED BETWEEN WOOD, GRAVEL MULCH, COBBLE MULCH, AND LAWN.

CHECKLIST ASSOCIATED WITH LANDSCAPE ELEMENTS. TOWARD THIS END THE PROJECT WILL INCLUDE THE

- THE PLANT PALETTE WILL UTILIZE AT LEAST 75% NATIVE CALIFORNIA OR DROUGHT TOLERANT PLANT
- THE USE OF POTABLE WATER WILL BE REDUCED TO A QUANTITY THAT DOES NOT EXCEED 65% OF ETO
- COMMON AREA AND PERIMETER AREA LANDSCAPE IRRIGATION WILL CONSIST OF A LOW VOLUME DRIP OR
- ALL IRRIGATION SYSTEMS SHALL BE DESIGNED TO MEET THE MOST CURRENT WATER CONSERVATION

SANTA ROSA CITY MUNICIPAL CODE - Section 20-34.050(G.2.e) - Tree Requirement PER CITY CODE, THE DESIGN MEETS THE PARKING AREA TREE REQUIREMENTS OF ONE TREE FOR EACH FIVE



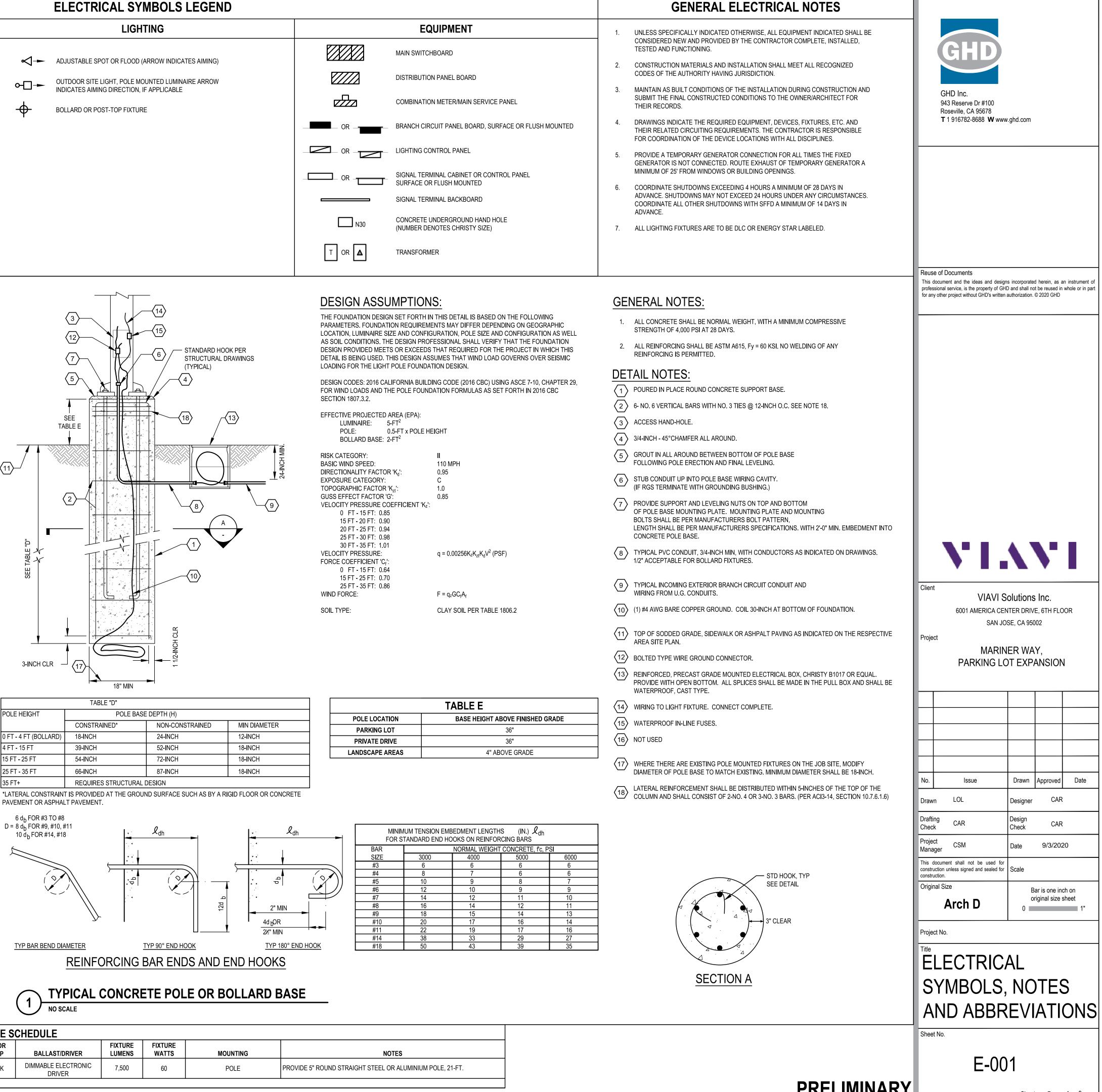
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ABBREVIATIONS (D) DEMOLISH (E) EXISTING (F) FUTURE NEW (N) Α AMPERES ALTERNATING CURRENT AC AF AMP FRAME ABOVE FINISHED FLOOR AFF AFG ABOVE FINISHED GRADE AHU AIR HANDLING UNIT AIC AMPS INTERRUPTING CAPACITY ANN ANNUNCIATOR ATS AUTOMATIC TRANSFER SWITCH AWG AMERICAN WIRE GAUGE BAT BATTERY BFG BELOW FINISH GRADE CATV CABLE TELEVISION CONDUIT С CB CIRCUIT BREAKER CCTV CLOSED CIRCUIT TELEVISION CO CONDUIT ONLY CONTROL POWER TRANSFORMER CPT СТ CURRENT TRANSFORMER CU COPPER DC DIRECT CURRENT EF EXHAUST FAN EGU ENGINE GENERATOR UNIT EMERGENCY EM EMT ELECTRICAL METALLIC TUBING ENT ELECTRICAL NON-METALLIC TUBING EP EXPLOSION PROOF FA FIRE ALARM FACP FIRE ALARM CONTROL PANEL FOOT CANDLE FC FU FUSE GND GROUND GROUND FAULT CIRCUIT INTERRUPTER GFCI GFI GROUND FAULT INTERRUPTER GFR GROUND FAULT RELAY HID HIGH INTENSITY DISCHARGE HOA "HAND-OFF-AUTO" SWITCH HORSEPOWER ΗP HPS HIGH PRESSURE SODIUM **HEATING, VENTILATION &** HVAC AIR-CONDITIONING ISOLATED GROUND IG JB JUNCTION BOX KAIC KILO-AMPS INTERRUPTING CAPACITY ΚV KILOVOLT KVA KILOVOLT-AMP KW KILOWATT KWH **KILOWATT-HOUR** LPS LOW PRESSURE SODIUM LV LOW VOLTAGE MAIN CIRCUIT BREAKER MCB MCC MOTOR CONTROL CENTER MCP MOTOR CIRCUIT PROTECTOR MFR MANUFACTURER MH METAL HALIDE MLO MAIN LUGS ONLY MEDIUM VOLTAGE MV NIC NOT IN CONTRACT NIGHT LIGHT NL NOT TO SCALE NTS OC ON CENTER PUBLIC ADDRESS PA POTENTIAL TRANSFORMER PT POLYVINYL CHLORIDE PVC PULL BOX, ELECTRICAL PB RECPT RECEPTACLE, OUTLET RGS RIGID GALVANIZED STEEL (CONDUIT) RVSS REDUCED VOLTAGE SOFT START RTU REMOTE TERMINAL UNIT **TELEVISION MONITOR (SET)** ΤV TVSS TRANS. VOLT. SURGE SUPPRESSOR UF UNDER FLOOR UG UNDERGROUND UNLESS OTHERWISE NOTED UON UPS UNINTERRUPTIBLE POWER SUPPLY VOLT V VOLT-AMP VA VFD VARIABLE FREQUENCY DRIVE WP WEATHERPROOF WPI WEATHERPROOF IN USE XFMR TRANSFORMER

	CONDUIT
	CONDUIT INSTALLED UNDERGROUND OR UNDER SLAB
	-] CONDUIT STUB-OUT WITH CAP
	FLEXIBLE CONDUIT WHIP TO LIGHT FIXTURE OR EQUIPMENT
<u></u>	— INDICATES CIRCUIT
	BREAKER I.D. CONDUIT HOME RUN TO DESIGNATED PANEL, TERMINAL, OR CONTROL CA
Z J	EXAMPLES:
BRANCH PAN	Λ Λ
	COMMA INDICATES MULTIPLE – SLASH INDICATES – SINGLE POLE CIRCUITS MULTI-POLE CIRCUIT
	NOTE FOR CONDUIT: THE TIC MARKS INDICATE THE QUANTITY OF #12 AWG
	OR, IF INDICATED, THE QUANTITY OF OTHER SIZE WIRE OR CABLES.
	SEE THE SINGLE LINE DIAGRAM FOR FEEDER SIZES. EXAMPLES: — = (3) #12 — = (2) #10
	#10
	— f = (1) TYPE F1 CABLE. SEE CABLE SCHEDULE. F1
	OBJECT LINES
-	
	NEW OBJECTS (HEAVY CONTINUOUS LINES, UNDERGROUND CONDUIT
<u>ه</u>	HEAVY DASHED LINES)
	EXISTING OBJECTS TO REMAIN. MAY INCLUDE NEW CIRCUITING ETC.
Ū į	(FINE CONTINUOUS LINES, UNDERGROUND CONDUIT FINE DASHED LINES)
=======================================	EXISTING OBJECTS TO BE DEMOLISHED
$(\mathbf{J})^{1}$	(EXTRA FINE DASHED LINES, SCREENED)
	ANNOTATION
$\langle 1 \rangle$	KEYNOTE
10	RACEWAY, FEEDER OR CIRCUIT DESIGNATION (SEE SCHEDULE)
	NOTES TYPE
A	LIGHTING FIXTURE TYPE DESIGNATION
180	(SEE SCHEDULE)
^۲ — DE	NOTES WATTS
r DE	TAIL NUMBER
	DETAIL INDICATOR
E-501	
	IEET NUMBER ON SHEET NUMBER ON WHICH
WH VI	
$\left\langle \begin{array}{c} 1 \end{array} \right\rangle$	MECHANICAL EQUIPMENT DESIGNATION (SEE SCHEDULE)
	SHEET INDEX
SHEET	SHEET TITLE
NUMBER E-001	SYMBOLS, NOTES AND ABBREVIATIONS
E-101 E-701	SITE PLAN LOT-C PHOTOMETRICS LOT-C
2.01	
	LIGHTIN

TYPE	DESCRIPTION	MANUFACTURER	MODEL	LAMP TYPE	COLOR TEMP	BALLAST/DRIVER	FIXTURE LUMENS	FIXTURE WATTS	MOUNTING	NOTES
А	POLE LIGHT	KIM LIGHTING	ALT1-28L-60-3K7-2-UNV-ASQ-DB-NXSP30F-BC	LED	3000K	DIMMABLE ELECTRONIC DRIVER	7,500	60	POLE	PROVIDE 5" ROUND STRAIGHT STEEL OR ALUMINIUM POLE, 21-FT.
OTE: REFEF	TO SPEC SECTION 26 09 23 FOR LIGHTING CONTR	OL SEQUENCE OF OPER	RATIONS							



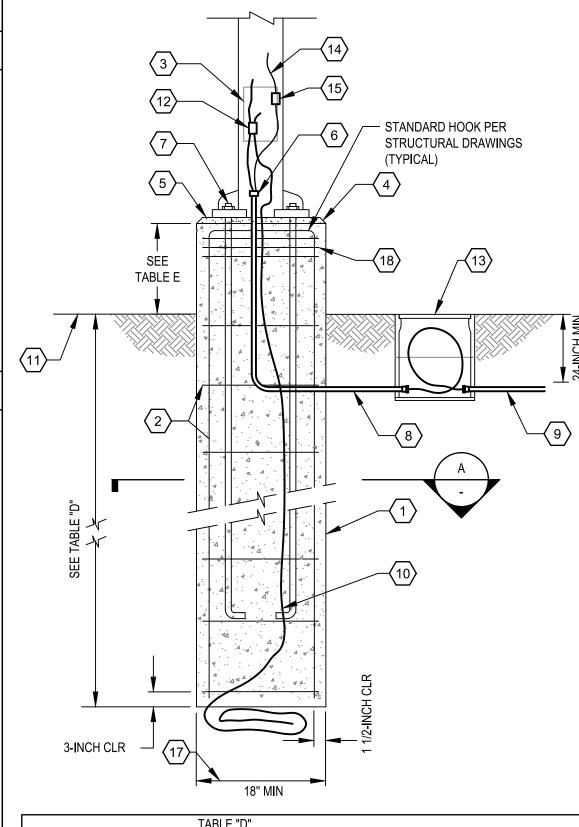
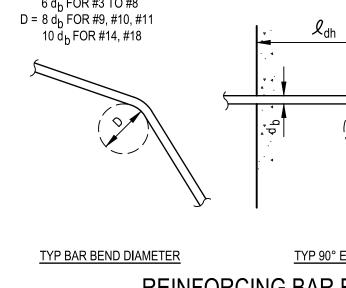


	TABLE "D"		
POLE HEIGHT	POLE BA	ASE DEPTH (H)	
	CONSTRAINED*	NON-CONSTRAINED	MIN DIAMETER
0 FT - 4 FT (BOLLARD)	18-INCH	24-INCH	12-INCH
4 FT - 15 FT	39-INCH	52-INCH	18-INCH
15 FT - 25 FT	54-INCH	72-INCH	18-INCH
25 FT - 35 FT	66-INCH	87-INCH	18-INCH
35 FT+	REQUIRES STRUCTUR	AL DESIGN	



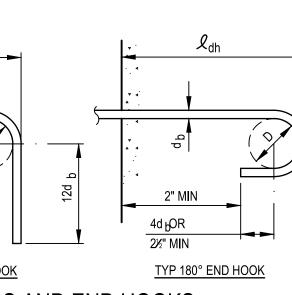
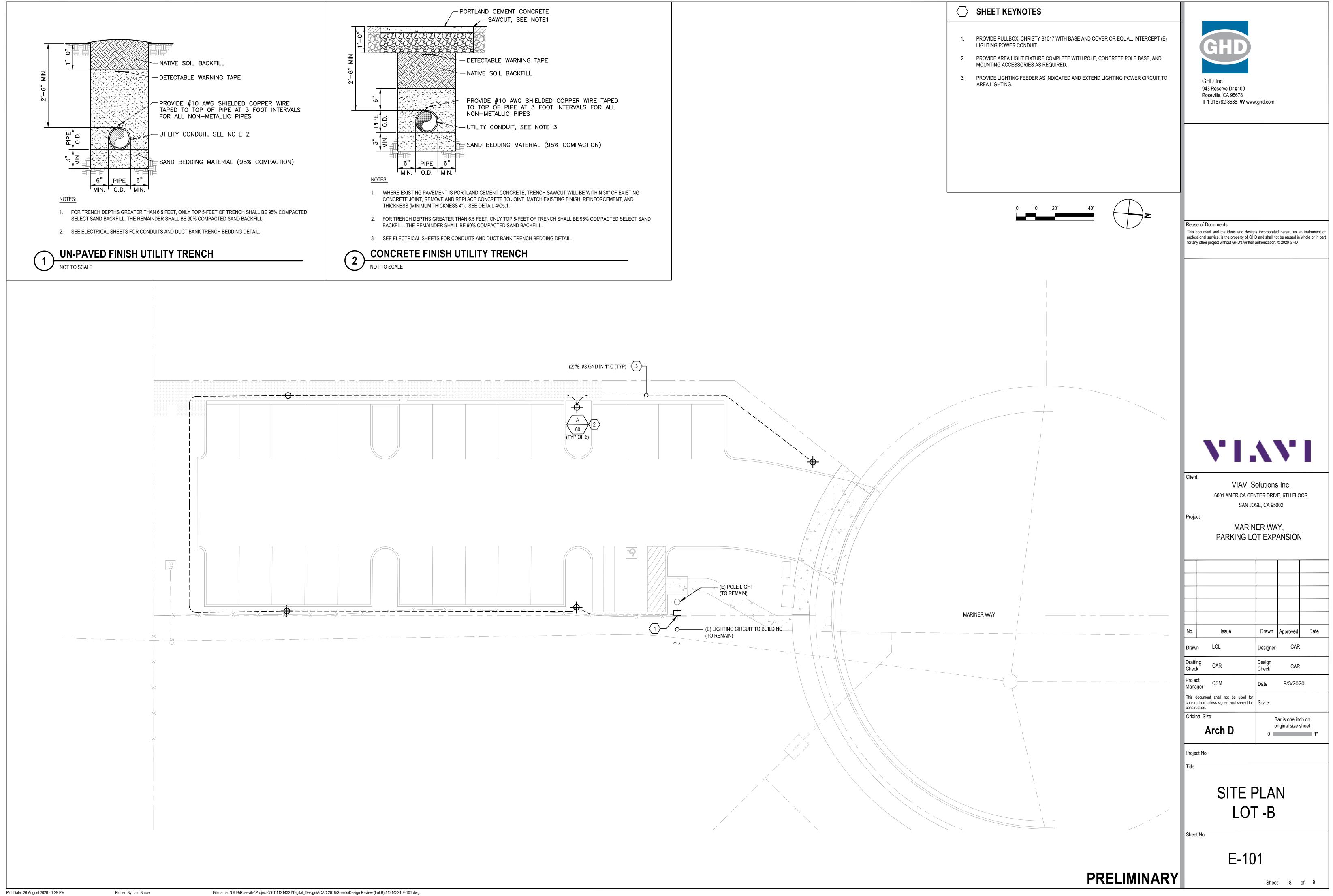


	TABLE E
POLE LOCATION	BASE HEIGHT ABOVE FINISHED GRADE
PARKING LOT	36"
PRIVATE DRIVE	36"
LANDSCAPE AREAS	4" ABOVE GRADE

		BEDMENT LENGTH DOKS ON REINFOR	(/···un	
BAR		NORMAL WEIGHT	CONCRETE, f'c, P	SI
SIZE	3000	4000	5000	6000
#3	6	6	6	6
#4	8	7	6	6
#5	10	9	8	7
#6	12	10	9	9
#7	14	12	11	10
#8	16	14	12	11
#9	18	15	14	13
#10	20	17	16	14
#11	22	19	17	16
#14	38	33	29	27
#18	50	43	39	35

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Plotted By: Jim Bruce

