

MARINER WAY PARKING LOT EXPANSION

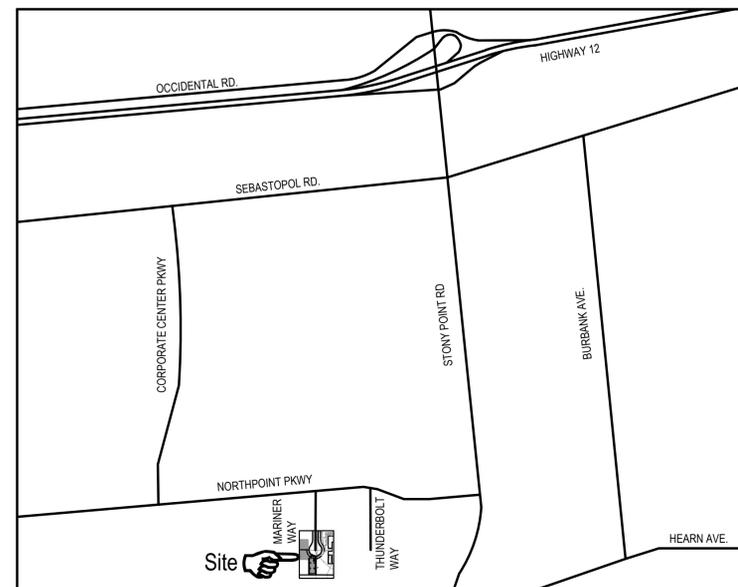
ON-SITE IMPROVEMENT PLANS

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

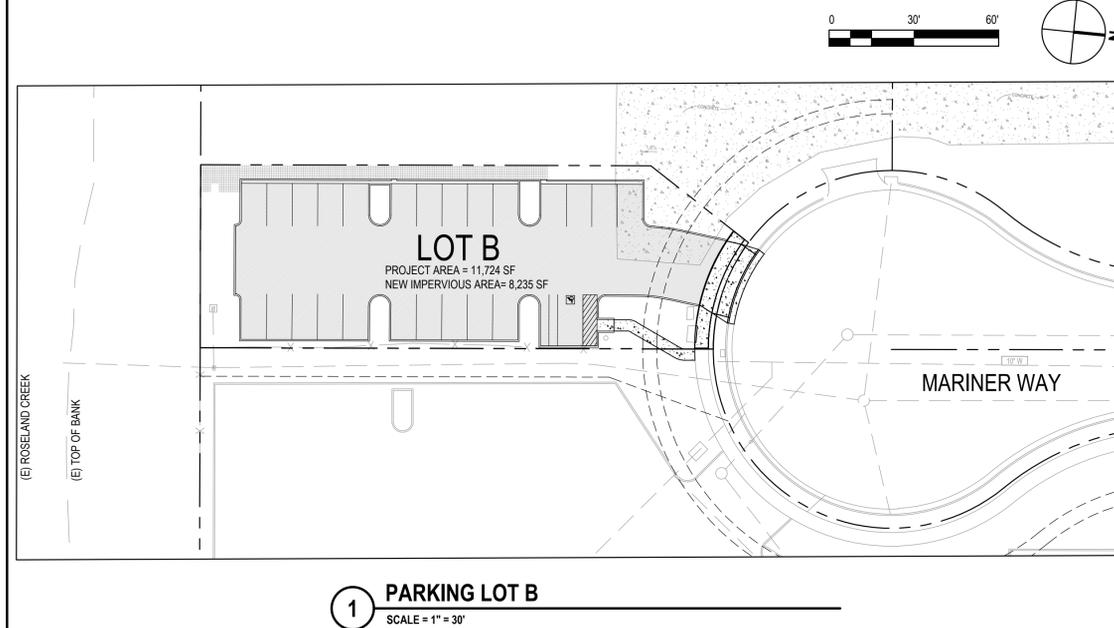


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VICINITY MAP - NTS



PROJECT LAYOUT



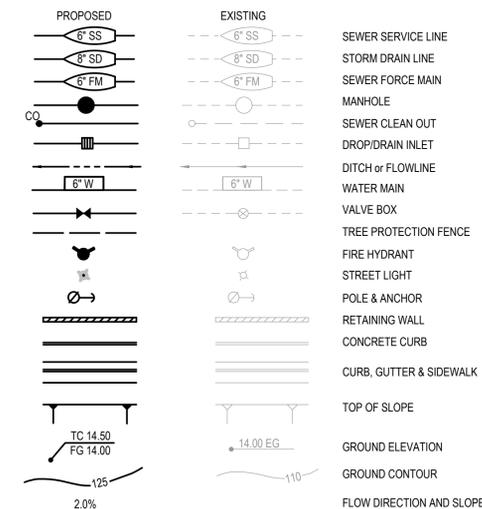
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City of Santa Rosa
September 9/2020
Planning & Economic
Development Department

1 **PARKING LOT B**
SCALE = 1" = 30'

SYMBOLS



ABBREVIATIONS

#	NUMBER	FH	FIRE HYDRANT	SD	STORM DRAIN
AB	AGGREGATE BASE OR ACRE	FL	FLOWLINE	SD#	STANDARD DRAWING NUMBER
AC	ASPHALTIC CONCRETE	FP	FINISHED PAVEMENT	SDMH	STORM DRAIN MANHOLE
AHJ	AUTHORITY HAVING JURISDICTION	FS	FINISHED SURFACE	SP#	STANDARD PLAN NUMBER
APN	ASSESSORS PARCEL NUMBER	(F)	FUTURE	SS	SANITARY SEWER
ARV	AIR RELEASE VALVE	G	GAS	SSCO	SANITARY SEWER CLEAN OUT
BC	BEGIN CURVE	GB	GRADE BREAK	SSMH	SANITARY SEWER MANHOLE
BFP	BACKFLOW PREVENTER	GV	GATE VALVE	STA	STATION
BO	BLOW OFF	INTX	INTERSECTION	SUBD.	SUBDIVISION
BOW	BOTTOM OF WALL	INV	INVERT	SWPPP	STORM WATER POLLUTION PREVENTION PLAN
BVC	BEGIN VERTICAL CURVE	JT	JOIN TRENCH	T	TELEPHONE
BW	BACK OF WALK	LF	LINEAR FEET	TB	TOP BACK OF WALK
C/G	CURB AND GUTTER	LT	LEFT	TC	TOP OF CURB
CH	CHORD	MAX	MAXIMUM	TOW	TOP OF WALL
CHL	CHORD LENGTH	MH	MANHOLE	TW	TOP OF WALK
CL	CENTERLINE	MIN	MINIMUM	(TYP)	TYPICAL
CMP	CORRUGATED METAL PIPE	NTS	NOT TO SCALE	V	VAULT
CMU	CONCRETE MASONRY UNIT	OC	ON CENTER	VAR	VARIES
CO	CLEAN OUT	OH	OVERHEAD	VC	VERTICAL CURVE
CGSW	CURB, GUTTER & SIDEWALK	PCC	PORTLAND CEMENT CONCRETE	W	WATER
CONC	CONCRETE	PIV	POST INDICATOR VALVE	WM	WATER METER
CR	CURB RETURN	PL	PROPERTY LINE	WS	WATER SERVICE
DCV	DETECTOR CHECK VALVE	POC	POINT OF CONNECTION	WV	WATER VALVE
DI	DRAIN INLET	PP	POWER POLE		
DI	DRIVEWAY	PRC	POINT OF REVERSE CURVE		
DWY	ELECTRICAL	PRVC	POINT OF REVERSE VERTICAL CURVE		
E	END CURVE	PSE	PUBLIC SERVICE EASEMENT		
ELV	ELEVATION	PUE	PUBLIC UTILITIES EASEMENT		
EP	EDGE OF PAVEMENT	PVC	POLYVINYL CHLORIDE		
EVC	END VERTICAL CURVE	PVI	POINT VERTICAL INTERSECTION		
(E)	EXISTING	(P)	PROPOSED		
FD	FIRE DEPARTMENT	R	RADIUS		
FDC	FIRE DEPARTMENT CONNECTION	ROW	RIGHT OF WAY		
FF	FINISHED FLOOR	RC	REVERSE CURVE		
FFE	FINISHED FLOOR ELEVATION	RT	RIGHT		
FG	FINISHED GRADE	S#	SLOPE PERCENTAGE		

DESIGN CONCEPT NARRATIVE

- THE PROJECT INCLUDES THE FOLLOWING:
- DEMOLITION OF SIDEWALK, CURB & GUTTER FOR PROPOSED DRIVEWAY.
 - DEMOLITION OF THE EXISTING CONCRETE AIRSTRIP WITHIN PROJECT LIMITS.
 - PROPOSED IMPROVEMENTS INCLUDE:
 - DRIVEWAY CUT
 - ASPHALT PAVEMENT
 - CONCRETE CURBS AND CURB & GUTTER
 - VEGETATED SWALE WITH UNDERDRAIN
 - GRADING FOR THE PROPOSED IMPROVEMENTS
 - STORM DRAINAGE INLET AND PIPING
 - LANDSCAPE PLANTING AND IRRIGATION
 - 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

No.	Issue	Drawn	Approved	Date
Drawn	JSB / EER	Designer	JSB / EER	

Drafting	Check	Design	Check
CSM		CSM	

Project Manager	CSM	Date
		9/3/2020

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Title

COVER SHEET

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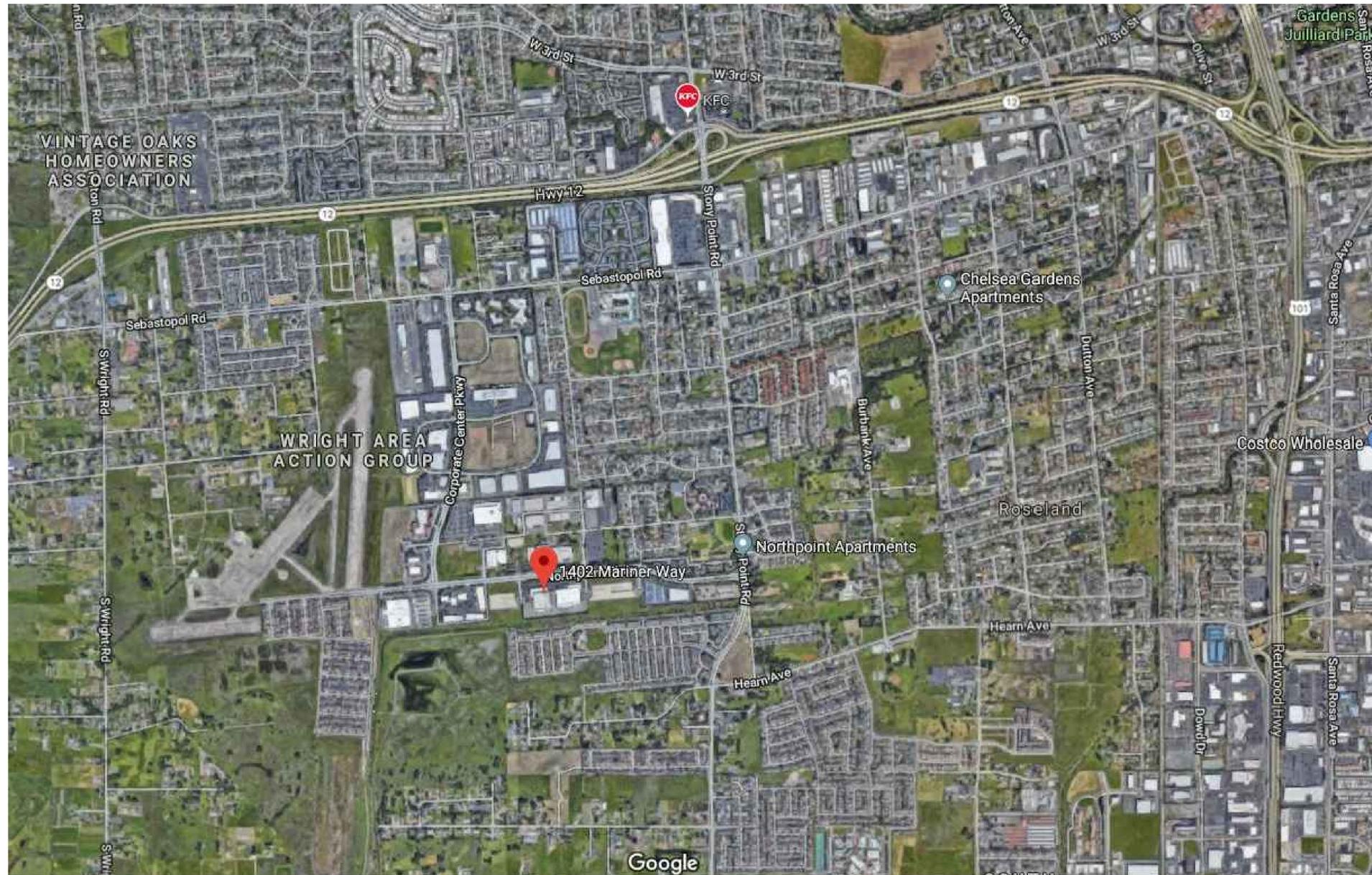
G - 001

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1 SITE LOCATION MAP - LOT B
 SCALE = NTS



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 MARINER WAY,
 PARKING LOT EXPANSION

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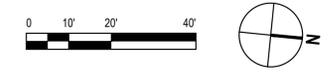
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Project No.

Title
SITE LOCATION MAP

Sheet No.
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Project
**MARINER WAY,
 PARKING LOT EXPANSION**

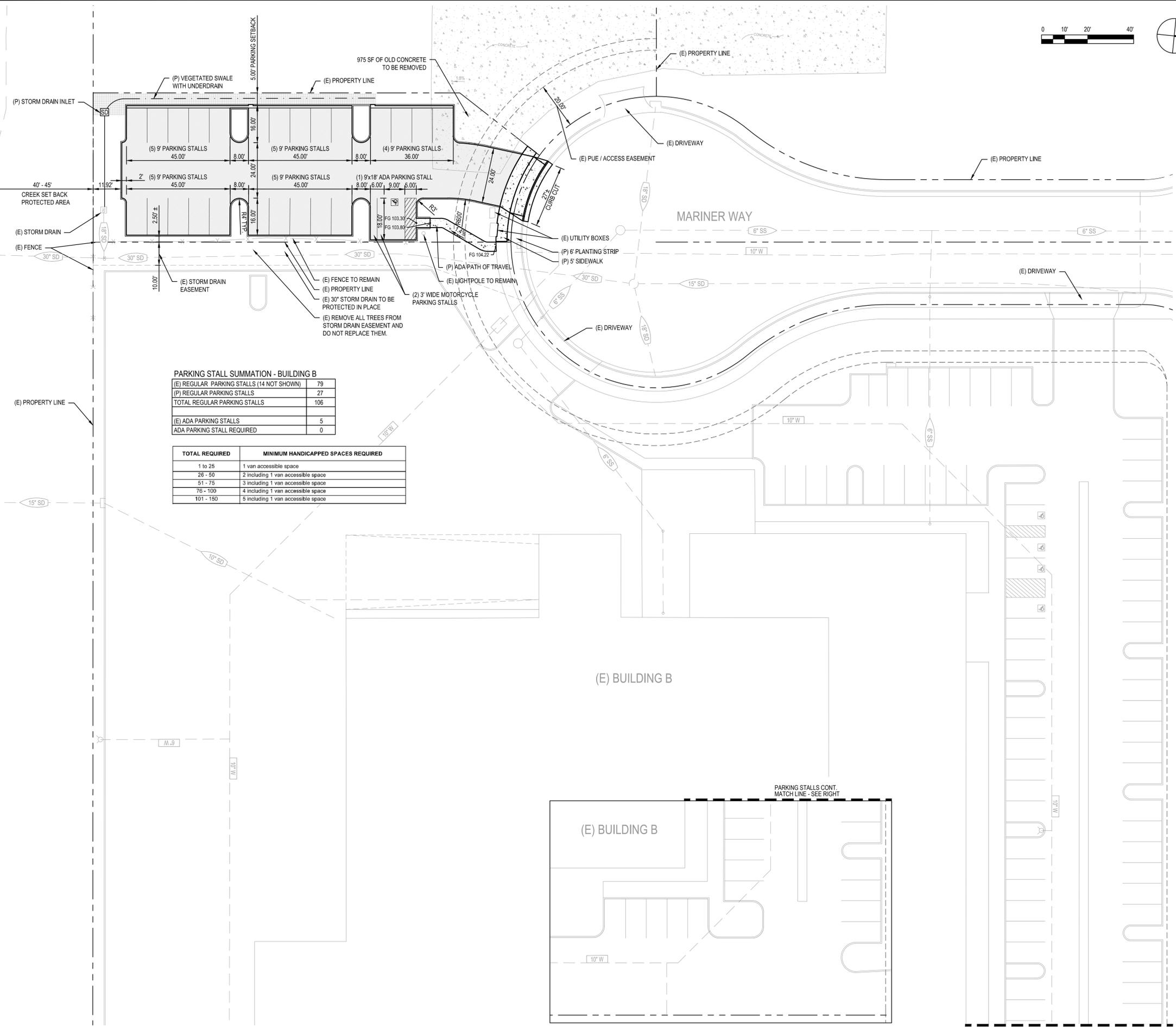
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Project Manager	CSM	Date	9/3/2020	
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Project No.
 Title
SITE PLAN

Sheet No.
C-101
 Sheet 2 of 6

NOTE:
 CREEK AREA SHALL NOT BE DISTURBED, AND NO CONSTRUCTION MATERIALS SHALL BE STORED WHERE THEY CAN WASH INTO THE CREEK OR STORM DRAIN INLETS ON THE PROJECT.

ROSELAND CREEK
 EXISTING TOP OF BANK



PARKING STALL SUMMATION - BUILDING B

(E) REGULAR PARKING STALLS (14 NOT SHOWN)	79
(P) REGULAR PARKING STALLS	27
TOTAL REGULAR PARKING STALLS	106
(E) ADA PARKING STALLS	5
ADA PARKING STALL REQUIRED	0

TOTAL REQUIRED	MINIMUM HANDICAPPED SPACES REQUIRED
1 to 25	1 van accessible space
26 - 50	2 including 1 van accessible space
51 - 75	3 including 1 van accessible space
76 - 100	4 including 1 van accessible space
101 - 150	5 including 1 van accessible space

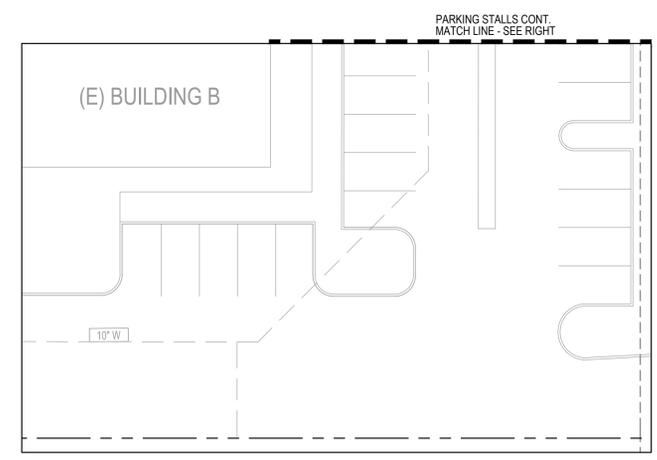


IMAGE 1

MATCH LINE - SEE LEFT
 PARKING STALLS CONT.
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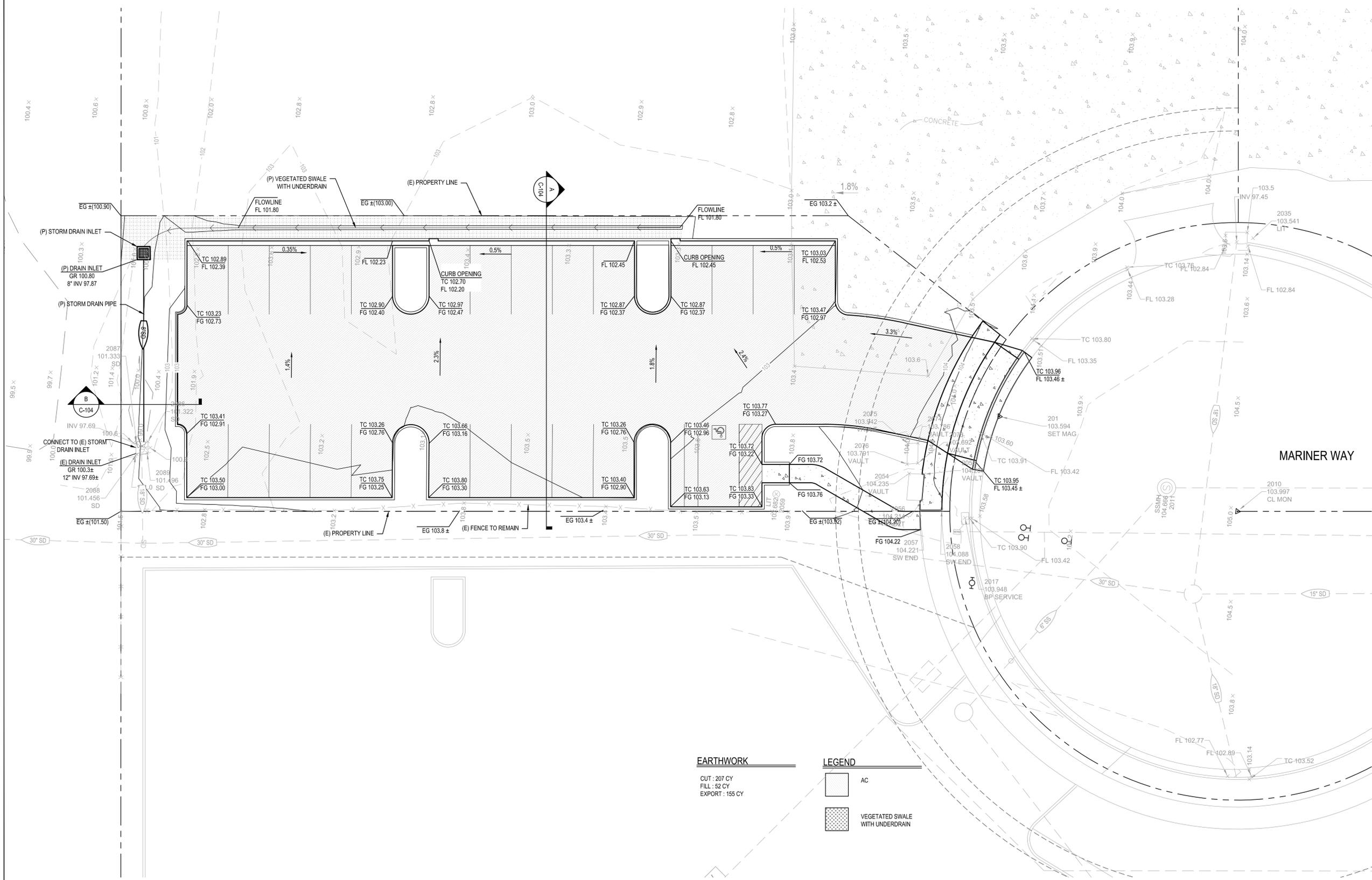
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GRADING PLAN

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C-102

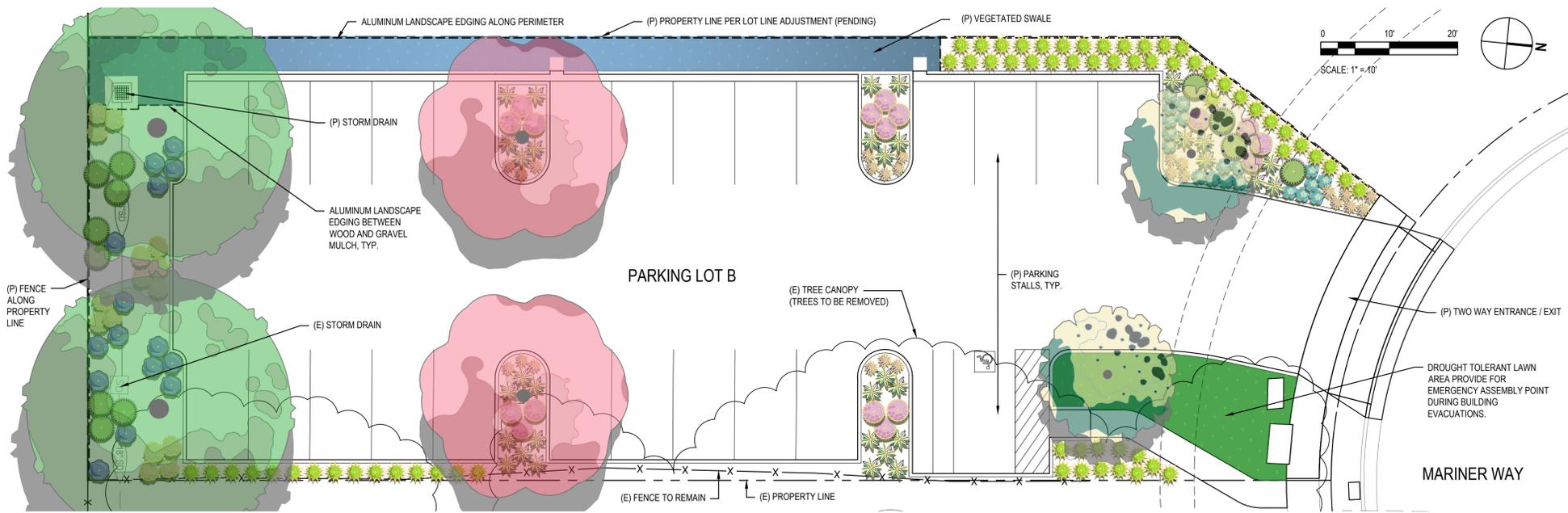
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EARTHWORK
 CUT : 207 CY
 FILL : 52 CY
 EXPORT : 155 CY

LEGEND

	AC
	VEGETATED SWALE WITH UNDERDRAIN



LANDSCAPE DESIGN INTENT

- DESIGN SHALL MEET THE STATE AND LOCAL REQUIREMENTS ASSOCIATED WITH IRRIGATION WATER USE THROUGH THE EXCLUSIVE USE OF LOW AND MEDIUM WATER USE PLANT MATERIALS AND LOW VOLUME DRIP-LINE OR ROTARY SPRAY IRRIGATION SYSTEM.
- DESIGN IS INTENDED TO ENHANCE THE PROJECT THROUGH THE USE OF PLANT MATERIALS THAT 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 LAWN AREAS, SHALL HAVE A 3" DEEP LAYER OF WOOD MULCH SPREAD EVENLY ACROSS ENTIRE PLANTING AREA.

DESIGN NOTES

- PLANT CONTAINER SIZES:
 - TREES TO BE PLANTED FROM 24" BOX SIZE CONTAINERS
 - SHRUBS TO BE PLANTED FROM 5-GALLON AND 1-GALLON CONTAINERS
 - GROUND COVERS TO BE PLANTED FROM 1-GALLON CONTAINERS
- ALUMINUM EDGING SHALL BE INSTALLED BETWEEN WOOD, GRAVEL MULCH, COBBLE MULCH, AND LAWN.
- SEE BELOW FOR PLANT LEGEND AND IMAGES OF PROPOSED PLANT MATERIAL.

CALGREEN-TIER 1 CHECKLIST

THE DESIGN OF THE LANDSCAPE / IRRIGATION SYSTEM IS INTENDED TO MEET THE CALGREEN-TIER 1 CHECKLIST ASSOCIATED WITH LANDSCAPE ELEMENTS. TOWARD THIS END THE PROJECT WILL INCLUDE THE FOLLOWING BEST PRACTICES:

- HYDROZONE IRRIGATION TECHNIQUES WILL BE INCORPORATED.
- THE PLANT PALETTE WILL UTILIZE AT LEAST 75% NATIVE CALIFORNIA OR DROUGHT TOLERANT PLANT MATERIALS APPROPRIATE TO THE CLIMATE ZONE REGION.
- THE USE OF POTABLE WATER WILL BE REDUCED TO A QUANTITY THAT DOES NOT EXCEED 65% OF ETO TIMES THE LANDSCAPE AREA.
- COMMON AREA AND PERIMETER AREA LANDSCAPE IRRIGATION WILL CONSIST OF A LOW VOLUME DRIP OR ROTARY SYSTEM.
- ALL IRRIGATION VALVES SHALL BE CONNECTED TO AN AUTOMATIC CONTROL SYSTEM.
- ALL IRRIGATION SYSTEMS SHALL BE DESIGNED TO MEET THE MOST CURRENT WATER CONSERVATION POLICIES AND AVAILABLE EQUIPMENT.

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 PARKING SPACES (27 PARKING SPACES = 6 TREES).



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PLANT SCHEDULE MARINER WAY - LOT B

TREES	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT
	LAG N40	2	Lagerstroemia indica x fauriei 'Natchez' Low Water Use (WUCOLS)	Natchez Crape Myrtle	24" Box
	PK	2	Pistacia chinensis 'Keith Davey' Low Water Use (WUCOLS)	Keith Davey Chinese Pistache	24" Box
	QUE AGR	2	Quercus agrifolia Low Water Use (WUCOLS)	Coast Live Oak	24" Box
SHRUBS	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT
	AO	24	Agapanthus orientalis 'BLUE' Medium Water Use (WUCOLS)	Blue' Lily of the Nile	5 gal
	DB2	33	Dietes bicolor Low Water Use (WUCOLS)	Fortnight Lily	5 gal
	LAV ANG	19	Lavandula angustifolia 'Essence Purple' Low Water Use (WUCOLS)	English Lavender	5 gal
	LB	65	Lomandra longifolia 'Breeze' Low Water Use (WUCOLS)	Dwarf Mat Rush Breeze	1 gal
	LUP ALB	15	Lupinus albifrons Low Water Use (WUCOLS)	Bush Lupine	5 gal
	MIM AUR	15	Mimulus aurantiacus Low Water Use (WUCOLS)	Sticky Monkey Flower	5 gal
	MR	12	Muhlenbergia rigens Low Water Use (WUCOLS)	Deer Grass	5 gal
	RB	17	Rhaphiolepis indica 'Pink Dancer' Low Water Use (WUCOLS)	Pink Dancer Hawthorne	5 gal
GROUND COVERS	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT
	SOD BOL	370 sf	'Bolero Plus' Turf Sod Medium Water Use	By Delta BlueGrass	Sod
	JE2	173	Juncus patens 'Elk Blue' Low Water Use (WUCOLS)	Spreading Rush	1 GAL

MULCH SCHEDULE MARINER WAY - LOT B

SYMBOL	DESCRIPTION	QTY
	Gravel Mulch	4.1 cy
	Wood Mulch	18.79 cy
	Cobble Mulch	0.46 cy

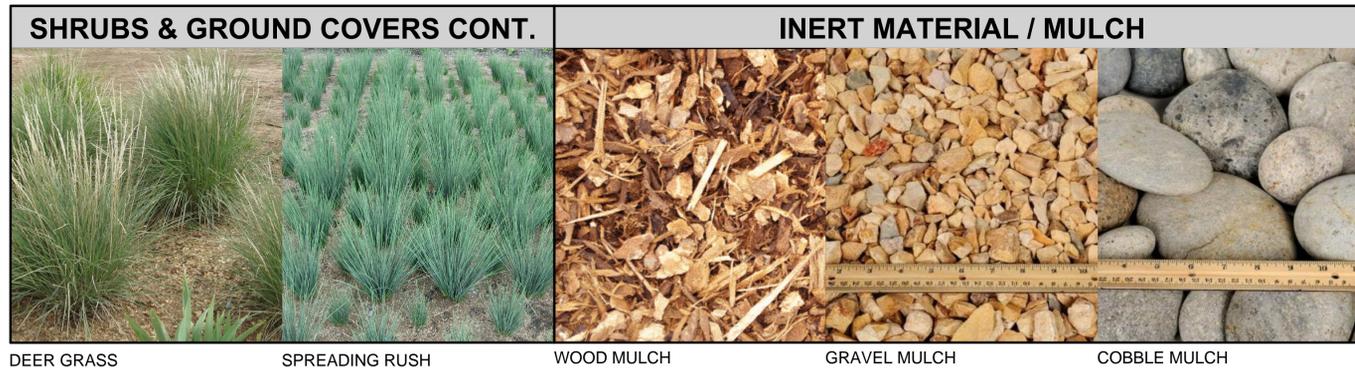


IMAGE NOTES

THESE IMAGES (COMMON NAMES INDICATED) REFLECT THE GENERAL CHARACTER OF THE PLANT MATERIALS TENTATIVELY PROPOSED ON PLANT PALETTE.



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Drawn	Designer
Drafting Check	Design Check
Project Manager	Date 9/3/2020

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PRELIMINARY LANDSCAPE PLAN

Sheet No.
L - 100

PRELIMINARY

Sheet of XX



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Drawn LOL Designer CAR

Drafting CAR Design Check CAR

Project Manager CSM Date 9/3/2020

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Project No.

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ELECTRICAL

SYMBOLS, NOTES

AND ABBREVIATIONS

Sheet No.

E-001

PRELIMINARY

Sheet 7 of 9

GENERAL ELECTRICAL NOTES

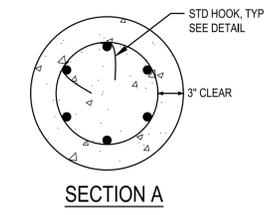
- UNLESS SPECIFICALLY INDICATED OTHERWISE, ALL EQUIPMENT INDICATED SHALL BE CONSIDERED NEW AND PROVIDED BY THE CONTRACTOR COMPLETE, INSTALLED, TESTED AND FUNCTIONING.
- CONSTRUCTION MATERIALS AND INSTALLATION SHALL MEET ALL RECOGNIZED CODES OF THE AUTHORITY HAVING JURISDICTION.
- MAINTAIN AS BUILT CONDITIONS OF THE INSTALLATION DURING CONSTRUCTION AND SUBMIT THE FINAL CONSTRUCTED CONDITIONS TO THE OWNER/ARCHITECT FOR THEIR RECORDS.
- DRAWINGS INDICATE THE REQUIRED EQUIPMENT, DEVICES, FIXTURES, ETC. AND THEIR RELATED CIRCUITING REQUIREMENTS. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF THE DEVICE LOCATIONS WITH ALL DISCIPLINES.
- PROVIDE A TEMPORARY GENERATOR CONNECTION FOR ALL TIMES THE FIXED GENERATOR IS NOT CONNECTED. ROUTE EXHAUST OF TEMPORARY GENERATOR A MINIMUM OF 25' FROM WINDOWS OR BUILDING OPENINGS.
- COORDINATE SHUTDOWNS EXCEEDING 4 HOURS A MINIMUM OF 28 DAYS IN ADVANCE. SHUTDOWNS MAY NOT EXCEED 24 HOURS UNDER ANY CIRCUMSTANCES. COORDINATE ALL OTHER SHUTDOWNS WITH SFFD A MINIMUM OF 14 DAYS IN ADVANCE.
- ALL LIGHTING FIXTURES ARE TO BE DLC OR ENERGY STAR LABELED.

GENERAL NOTES:

- ALL CONCRETE SHALL BE NORMAL WEIGHT, WITH A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS.
- ALL REINFORCING SHALL BE ASTM A615, Fy = 60 KSI. NO WELDING OF ANY REINFORCING IS PERMITTED.

DETAIL NOTES:

- POURED IN PLACE ROUND CONCRETE SUPPORT BASE.
- 6-NO. 6 VERTICAL BARS WITH NO. 3 TIES @ 12-INCH O.C. SEE NOTE 18.
- ACCESS HAND-HOLE.
- 3/4-INCH - 45° CHAMFER ALL AROUND.
- GROUT IN ALL AROUND BETWEEN BOTTOM OF POLE BASE FOLLOWING POLE ERECTION AND FINAL LEVELING.
- STUB CONDUIT UP INTO POLE BASE WIRING CAVITY. (IF RGS TERMINATE WITH GROUNDING BUSHING.)
- PROVIDE SUPPORT AND LEVELING NUTS ON TOP AND BOTTOM OF POLE BASE MOUNTING PLATE. MOUNTING PLATE AND MOUNTING BOLTS SHALL BE PER MANUFACTURERS BOLT PATTERN. LENGTH SHALL BE PER MANUFACTURERS SPECIFICATIONS. WITH 2" MIN. EMBEDMENT INTO CONCRETE POLE BASE.
- TYPICAL PVC CONDUIT, 3/4-INCH MIN. WITH CONDUCTORS AS INDICATED ON DRAWINGS. 1/2" ACCEPTABLE FOR BOLLARD FIXTURES.
- TYPICAL INCOMING EXTERIOR BRANCH CIRCUIT CONDUIT AND WIRING FROM U.G. CONDUITS.
- (1) #4 AWG BARE COPPER GROUND. COIL 30-INCH AT BOTTOM OF FOUNDATION.
- TOP OF SODDED GRADE, SIDEWALK OR ASPHALT PAVING AS INDICATED ON THE RESPECTIVE AREA SITE PLAN.
- BOLTED TYPE WIRE GROUND CONNECTOR.
- REINFORCED, PRECAST GRADE MOUNTED ELECTRICAL BOX, CHRISTY B1017 OR EQUAL. PROVIDE WITH OPEN BOTTOM. ALL SPLICES SHALL BE MADE IN THE PULL BOX AND SHALL BE WATERPROOF, CAST TYPE.
- WIRING TO LIGHT FIXTURE. CONNECT COMPLETE.
- WATERPROOF IN-LINE FUSES.
- NOT USED
- WHERE THERE ARE EXISTING POLE MOUNTED FIXTURES ON THE JOB SITE, MODIFY DIAMETER OF POLE BASE TO MATCH EXISTING. MINIMUM DIAMETER SHALL BE 18-INCH.
- LATERAL REINFORCEMENT SHALL BE DISTRIBUTED WITHIN 5-INCHES OF THE TOP OF THE COLUMN AND SHALL CONSIST OF 2-NO. 4 OR 3-NO. 3 BARS. (PER AC308-14, SECTION 10.7.6.1.6)



ELECTRICAL SYMBOLS LEGEND

CONDUIT

- CONDUIT INSTALLED ABOVE GRADE
- CONDUIT INSTALLED UNDERGROUND OR UNDER SLAB
- CONDUIT STUB-OUT WITH CAP
- FLEXIBLE CONDUIT WHIP TO LIGHT FIXTURE OR EQUIPMENT
- INDICATES CIRCUIT BREAKER I.D.
- CONDUIT HOME RUN TO DESIGNATED PANEL, TERMINAL, OR CONTROL CABINET
- EXAMPLES: L1-4, L1-6,8, L1-10/12
- COMMA INDICATES MULTIPLE SINGLE POLE CIRCUITS
- SLASH INDICATES MULTI-POLE CIRCUIT
- NOTE FOR CONDUIT: THE TIC MARKS INDICATE THE QUANTITY OF #12 AWG WIRES OR, IF INDICATED, THE QUANTITY OF OTHER SIZE WIRE OR CABLES.
- SEE THE SINGLE LINE DIAGRAM FOR FEEDER SIZES.
- EXAMPLES: #12 = (3) #12, #10 = (2) #10
- F1 = (1) TYPE F1 CABLE. SEE CABLE SCHEDULE.

LIGHTING

- ADJUSTABLE SPOT OR FLOOD (ARROW INDICATES AIMING)
- OUTDOOR SITE LIGHT, POLE MOUNTED LUMINAIRE ARROW INDICATES AIMING DIRECTION, IF APPLICABLE
- BOLLARD OR POST-TOP FIXTURE

EQUIPMENT

- MAIN SWITCHBOARD
- DISTRIBUTION PANEL BOARD
- COMBINATION METER/MAIN SERVICE PANEL
- BRANCH CIRCUIT PANEL BOARD, SURFACE OR FLUSH MOUNTED
- LIGHTING CONTROL PANEL
- SIGNAL TERMINAL CABINET OR CONTROL PANEL SURFACE OR FLUSH MOUNTED
- SIGNAL TERMINAL BACKBOARD
- CONCRETE UNDERGROUND HAND HOLE (NUMBER DENOTES CHRISTY SIZE)
- TRANSFORMER

OBJECT LINES

- NEW OBJECTS (HEAVY CONTINUOUS LINES, UNDERGROUND CONDUIT HEAVY DASHED LINES)
- EXISTING OBJECTS TO REMAIN, MAY INCLUDE NEW CIRCUITING ETC. (FINE CONTINUOUS LINES, UNDERGROUND CONDUIT FINE DASHED LINES)
- EXISTING OBJECTS TO BE DEMOLISHED (EXTRA FINE DASHED LINES, SCREENED)

ANNOTATION

- KEYNOTE
- RACEWAY, FEEDER OR CIRCUIT DESIGNATION (SEE SCHEDULE)
- DENOTES TYPE
- LIGHTING FIXTURE TYPE DESIGNATION (SEE SCHEDULE)
- DENOTES WATTS
- DETAIL NUMBER
- DETAIL INDICATOR
- SHEET NUMBER ON WHICH DETAIL APPEARS
- MECHANICAL EQUIPMENT DESIGNATION (SEE SCHEDULE)
- SECTION LETTER
- SECTION INDICATOR
- SHEET NUMBER ON WHICH SECTION APPEARS

SHEET INDEX

SHEET NUMBER	SHEET TITLE
E-001	SYMBOLS, NOTES AND ABBREVIATIONS
E-101	SITE PLAN LOT-C
E-701	PHOTOMETRICS LOT-C

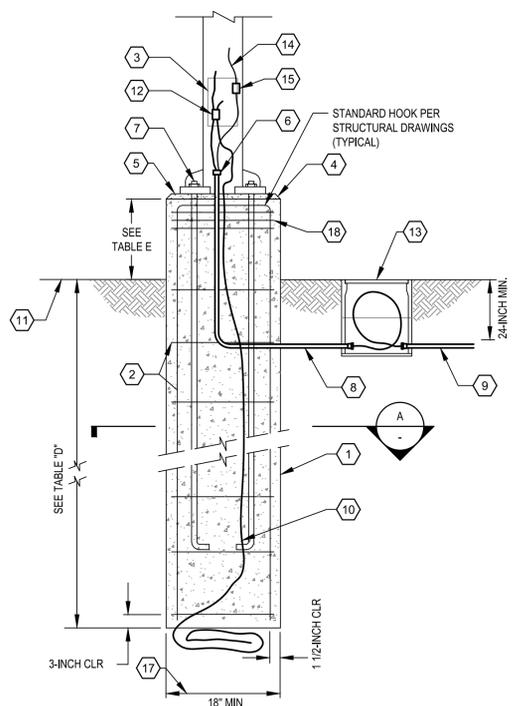


TABLE "D"

POLE HEIGHT	POLE BASE 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 STRUCTURAL DESIGN		

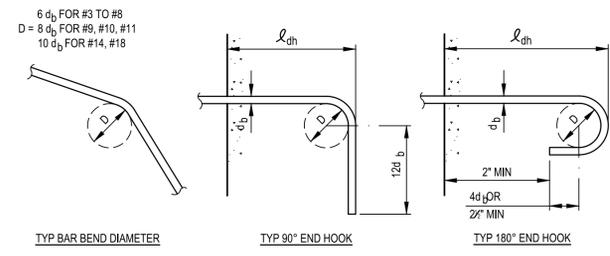
*LATERAL CONSTRAINT IS PROVIDED AT THE GROUND SURFACE SUCH AS BY A RIGID FLOOR OR CONCRETE PAVEMENT OR ASPHALT PAVEMENT.

TABLE E

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

MINIMUM TENSION EMBEDMENT LENGTHS (IN.) l_{dh}

BAR SIZE	NORMAL WEIGHT CONCRETE, f_c PSI			
	3000	4000	5000	6000
#3	6	6	6	6
#4	6	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



REINFORCING BAR ENDS AND END HOOKS

1 TYPICAL CONCRETE POLE OR BOLLARD BASE

NO SCALE

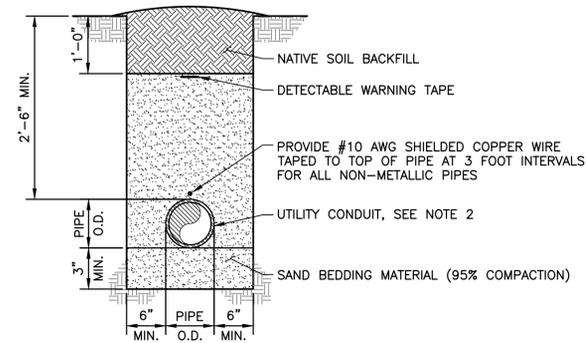
ABBREVIATIONS

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

LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	MANUFACTURER	MODEL	LAMP TYPE	COLOR TEMP	BALLAST/DRIVER	FIXTURE LUMENS	FIXTURE WATTS	MOUNTING	NOTES
A	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.

NOTE: REFER TO SPEC SECTION 26 09 23 FOR LIGHTING CONTROL SEQUENCE OF OPERATIONS

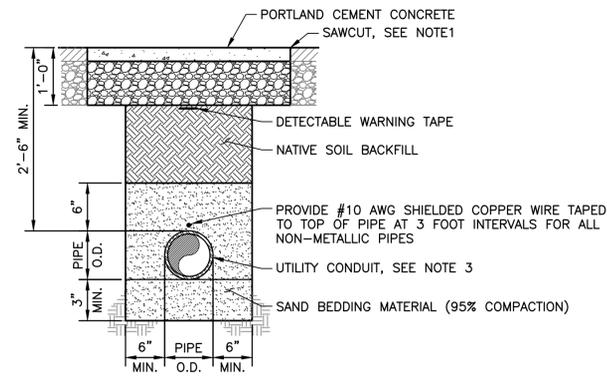


NOTES:

- FOR TRENCH DEPTHS GREATER THAN 6.5 FEET, ONLY TOP 5-FEET OF TRENCH SHALL BE 95% COMPACTED SELECT SAND BACKFILL. THE REMAINDER SHALL BE 90% COMPACTED SAND BACKFILL.
- SEE ELECTRICAL SHEETS FOR CONDUITS AND DUCT BANK TRENCH BEDDING DETAIL.

1 UN-PAVED FINISH UTILITY TRENCH

NOT TO SCALE



NOTES:

- WHERE EXISTING PAVEMENT IS PORTLAND CEMENT CONCRETE, TRENCH SAWCUT WILL BE WITHIN 30° OF EXISTING CONCRETE JOINT, REMOVE AND REPLACE CONCRETE TO JOINT. MATCH EXISTING FINISH, REINFORCEMENT, AND THICKNESS (MINIMUM THICKNESS 4"). SEE DETAIL 4/C5.1.
- FOR TRENCH DEPTHS GREATER THAN 6.5 FEET, ONLY TOP 5-FEET OF TRENCH SHALL BE 95% COMPACTED SELECT SAND BACKFILL. THE REMAINDER SHALL BE 90% COMPACTED SAND BACKFILL.
- SEE ELECTRICAL SHEETS FOR CONDUITS AND DUCT BANK TRENCH BEDDING DETAIL.

2 CONCRETE FINISH UTILITY TRENCH

NOT TO SCALE

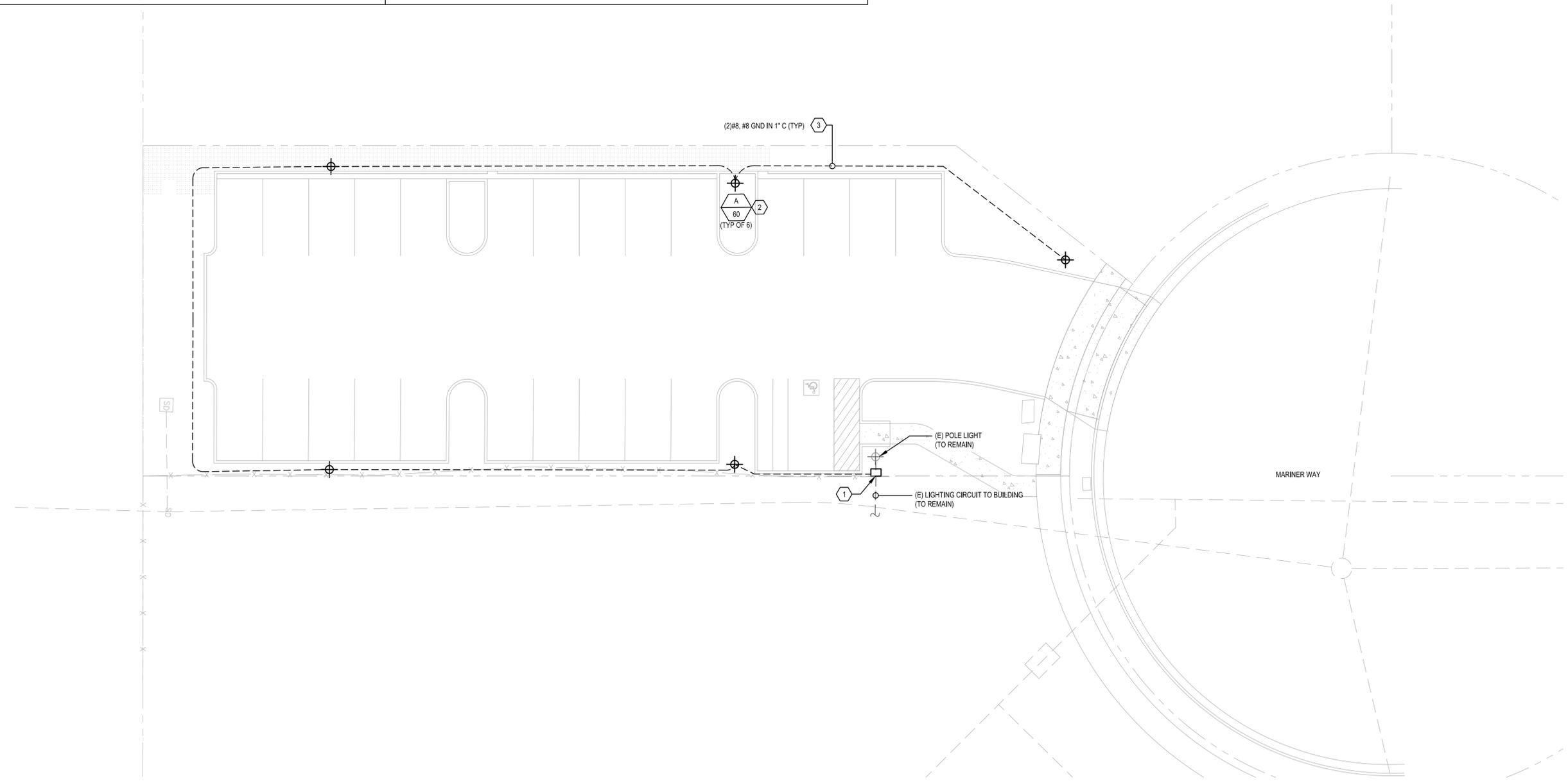
SHEET KEYNOTES

- PROVIDE PULLBOX, CHRISTY B1017 WITH BASE AND COVER OR EQUAL. INTERCEPT (E) LIGHTING POWER CONDUIT.
- PROVIDE AREA LIGHT FIXTURE COMPLETE WITH POLE, CONCRETE POLE BASE, AND MOUNTING ACCESSORIES AS REQUIRED.
- PROVIDE LIGHTING FEEDER AS INDICATED AND EXTEND LIGHTING POWER CIRCUIT TO AREA LIGHTINGS.



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6001 AMERICA CENTER DRIVE, 6TH FLOOR
SAN JOSE, CA 95002

Project
MARINER WAY,
PARKING LOT EXPANSION

No.	Issue	Drawn	Approved	Date

Drawn	LOL	Designer	CAR
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Drafting Check	CAR	Design Check	CAR
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Project Manager	CSM	Date	9/3/2020
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		0 1"

Project No.

Title

**SITE PLAN
LOT -B**

Sheet No.

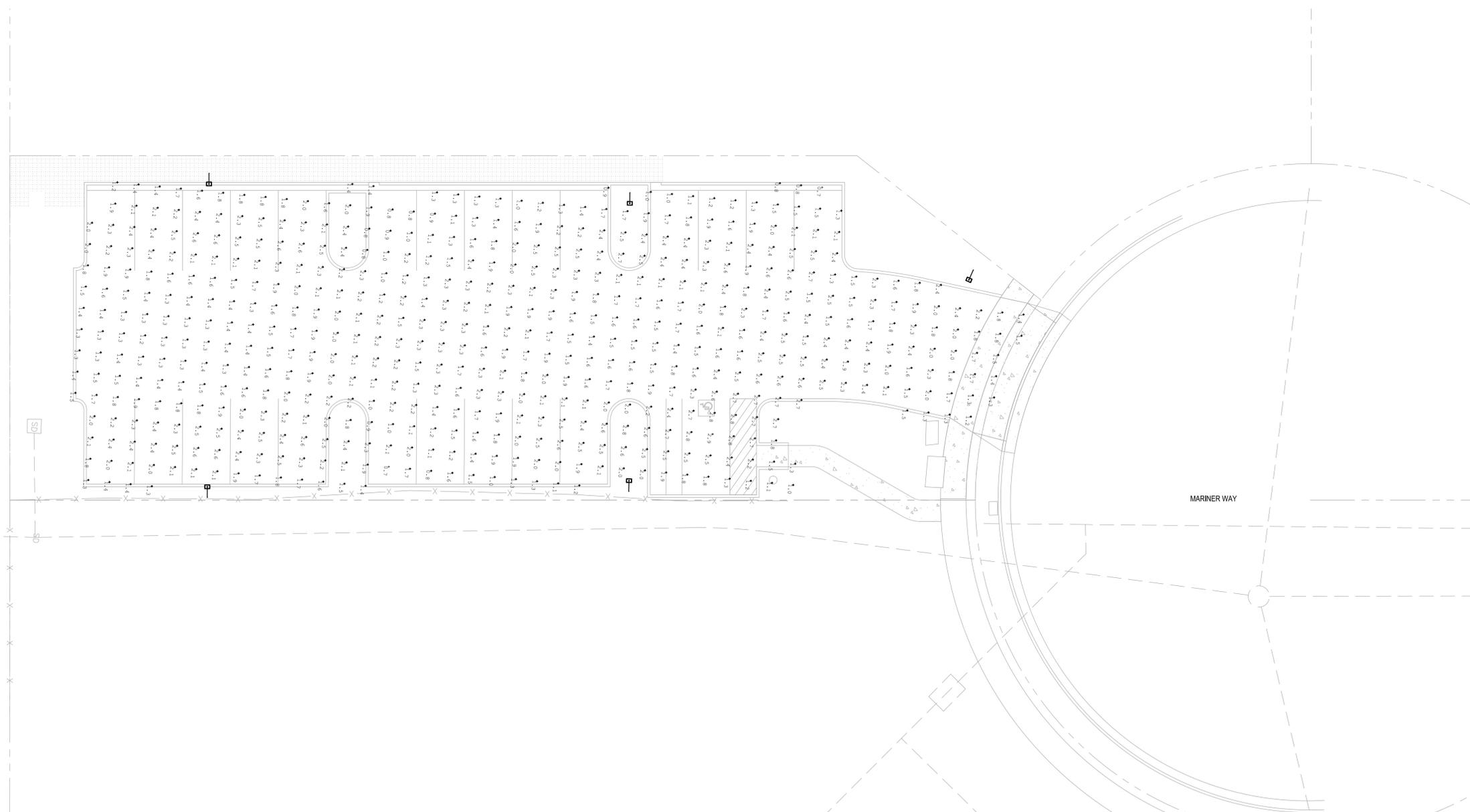
E-101

PRELIMINARY



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Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Mariner LOT-B	Illuminance	Fc	1.89	2.9	0.7	2.70	4.14



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Project
**MARINER WAY,
 PARKING LOT EXPANSION**

No.	Issue	Drawn	Approved	Date
Drawn	LOL	Designer	CAR	
Drafting Check	CAR	Design Check	CAR	
Project Manager	CSM	Date	9/3/2020	

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**PHOTOMETRICS
 LOT -B**

Sheet No.
E-701

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