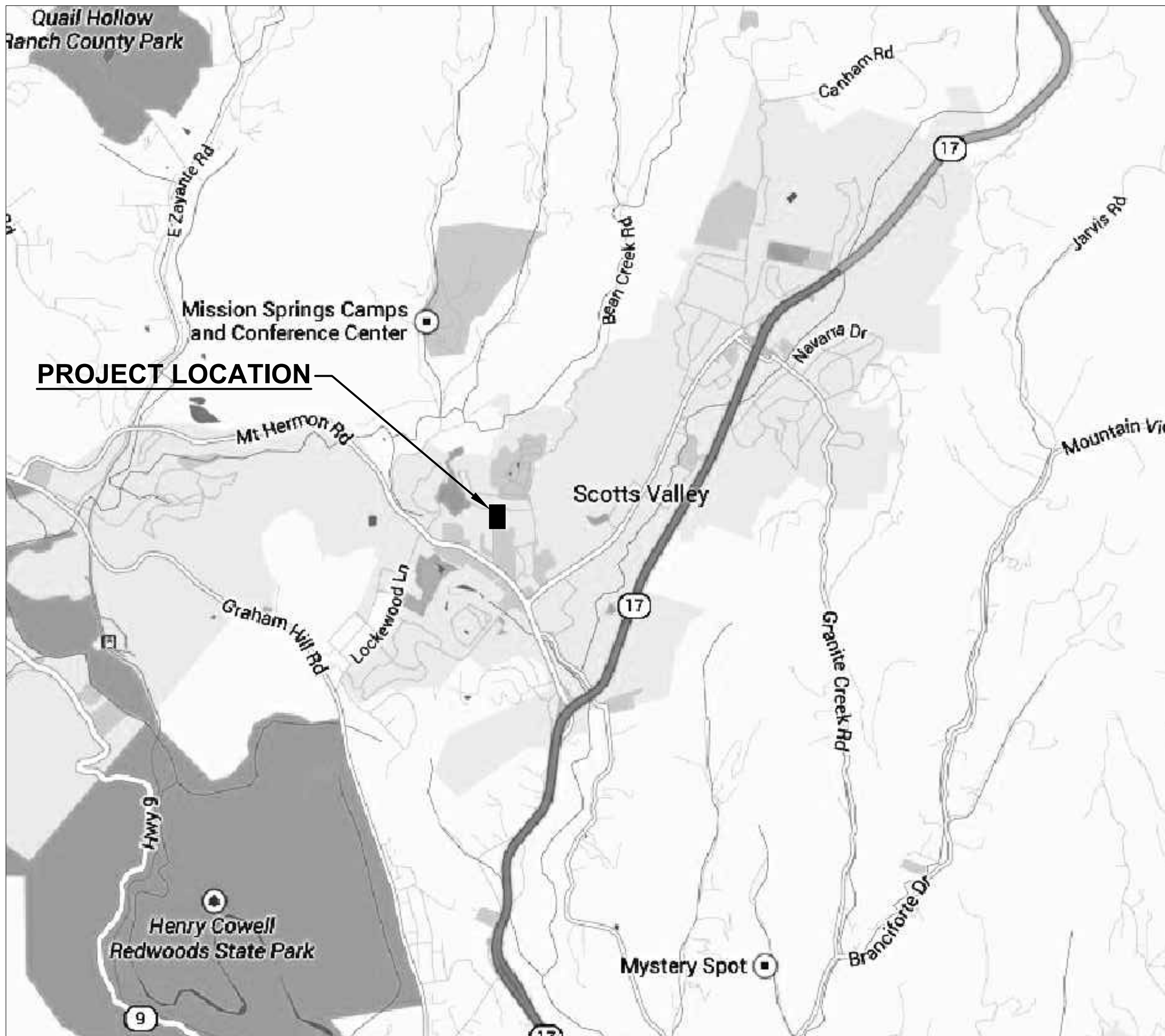


SCOTTS VALLEY TRANSIT CENTER LID

RETROFIT PROJECT - PHASE 2

SCOTTS VALLEY WATER DISTRICT

SCOTTS VALLEY, CALIFORNIA



REGIONAL MAP

DRAWING INDEX

GENERAL SHEETS

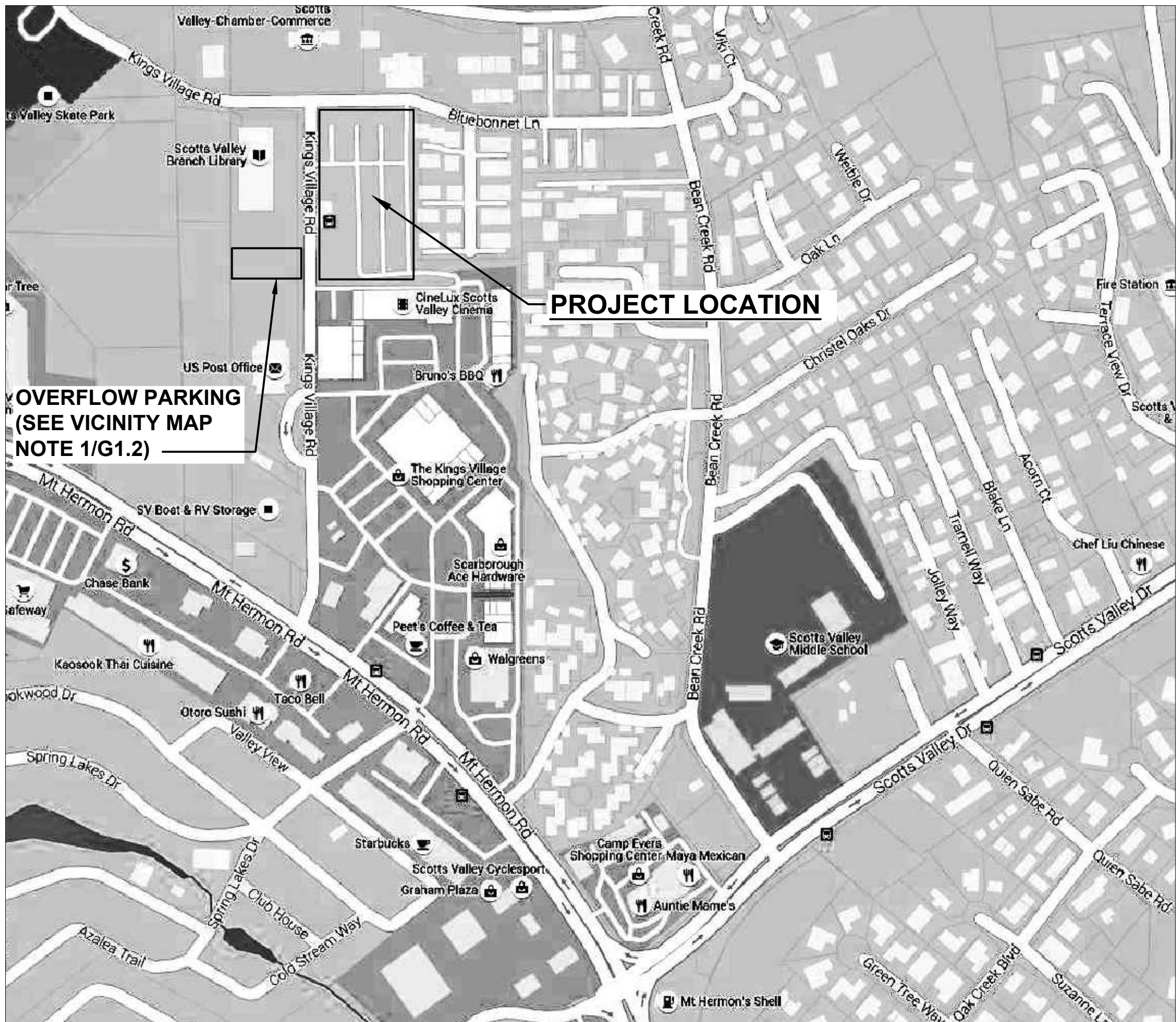
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VICINITY MAP

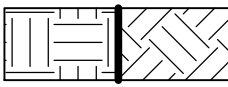
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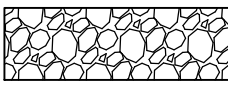
CIVIL/GENERAL SYMBOLS

ITEM	NEW	EXISTING
FIRE PROTECTION WATER		
SEWER AND MANHOLE		
STORM DRAIN AND MANHOLE		
WATER LINE AND VALVE		
RECYCLED WATER		
GAS LINE AND VALVE		
CROSSING UTILITIES		
BLOW OFF		
AIR VACUUM AND RELIEF		
BOLLARD		
WATER METER		
FIRE DEPT. CONNECTION		
FIRE HYDRANT		
UTILITY BOX (AS LABELED)		
POWER POLE		
STREET LIGHT		
STREET LIGHT AND TRAFFIC SIGNAL		
YARD LIGHT		
TRAFFIC SIGNAL		
TRAFFIC SIGNAL CONDUIT		
TELEPHONE RISER		
GUY ANCHOR		
CHAIN LINK FENCE		
SPLIT RAIL FENCE		
PROPERTY LINE/RIGHT-OF-WAY		
PARCEL LINE		
CENTERLINE		
CATCH BASIN		
DROP INLET		
CULVERT WITH END SECTIONS		
GRADE		
ASPHALT CONCRETE		
CONTOUR ELEVATION LINE		
DRIVEWAY		
SIGN 1, SIGN 2		
MONUMENT OR SURVEY POINT		
SECTION CORNER		
BENCH MARK		
CONCRETE IN SECTION		
GRAVELED AREA IN PLAN OR SECTION		
SAND IN SECTION		
BRICK OR CONCRETE BLOCK IN SECTION		
ASPHALT CONCRETE		
PERVIOUS CONCRETE		
CONCRETE IN PLAN		

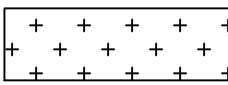
BACKFILL OR NATIVE SOIL (AS CALLED OUT ON PLANS)



AGGREGATE BASE OR GRAVEL (AS CALLED OUT ON PLANS)



SPECIALTY FILL (AS CALLED OUT ON PLANS)



PIPING SYMBOLS

MISCELLANEOUS	PLAN	JOINTS	PLAN
BUTTERFLY (FLANGED)		WELDED	
GATE		FLANGED	
ELBOW		SCREWED	
TEE		BELL	
UNION		BLIND FLANGE	
FLEXIBLE COUPLING			
FLANGED COUPLING ADAPTER			
CAP			

SURVEY CONTROL:

BASIS OF VERTICAL CONTROL

BENCHMARK ID: 215A
ELEVATION (NGVD29): 497.418 FT
DESCRIPTION: 2" CO OF SC BRASS CAP MARKED "W215" AT THE CORNER OF A CONCRETE WALK, 1 FT NORTHERLY OF THE INSIDE CORNER OF A 3-INCH HIGH BLOCK WALL, 4 FT SOUTHERLY FROM THE FACE OF CURB AT THE WESTERLY EDGE OF A "DI", 27' SOUTHERLY OF THE CENTERLINE OF LOCKEWOOD LANE, AND 50' WESTERLY OF THE CENTERLINE OF MT HERMON ROAD
LAT. 37°02'54"
LONG: 122°02'04"

BASIS OF HORIZONTAL CONTROL

NOTE: LOCATION OF HORIZONTAL CONTROL POINTS SHOWN ON SHEETS C1.1 TO C1.3.

▲ #1 MAG NAIL
N = 15084.99
E = 16828.02
ELEV = 540.11

▲ #2 BRASS CAP 5418
N = 14877.81
E = 16556.14
ELEV = 523.10

CONSTRUCTION SEQUENCING:

- INSTALL TEMPORARY PROJECT IDENTIFICATION SIGNS SHOWN ON C9.3.
- CONSTRUCT SOUTH SIDE IMPROVEMENTS STARTING WITH MBU-1 AND 2, MH-1, ASSOCIATED STORM DRAIN PIPING AND OTHER WORK IN THE AREA.
- UPON COMPLETION OF SEQUENCE 2, RELOCATE ADA PARKING STALLS TO TEMPORARY ALTERNATE LOCATION SHOWN ON C1.1.
- CONSTRUCT MBU-3, MH-2 AND MH-3 AND ITS ASSOCIATED STORM DRAIN PIPING, AND OTHER WORK IN THE AREA.
- UPON COMPLETION OF SEQUENCE 4, RELOCATE ADA STALLS BACK TO PERMANENT LOCATION.
- CONSTRUCT THE HYDRODYNAMIC SEPARATOR, AND ITS CONNECTION TO MH-3 AND THE EXISTING INFILTRATION GALLERY, AND RESTORING THE PERVIOUS PAVEMENT.
- LANDSCAPING TO BE PHASED AND COMPLETED IN CONJUNCTION WITH SEQUENCE 2 THROUGH SEQUENCE 6 ABOVE.

NOTE: FOR ALL CONSTRUCTION ACTIVITIES IN ALL PHASES OF THE WORK, THE MAXIMUM NUMBER OF STANDARD STALLS THAT MAY BE TEMPORARILY REMOVED FROM PUBLIC USE IS 36. ALL OTHER SPACES MUST REMAIN ACCESSIBLE FOR PUBLIC USE. CONTRACTOR SHALL STAGE WORK ACCORDINGLY.

NOTES:

- THIS IS A GENERALIZED LEGEND SHEET. THIS CONTRACT MAY NOT USE ALL INFORMATION SHOWN.
- INFORMATION SHOWN MAY NOT BE ALL INCLUSIVE.

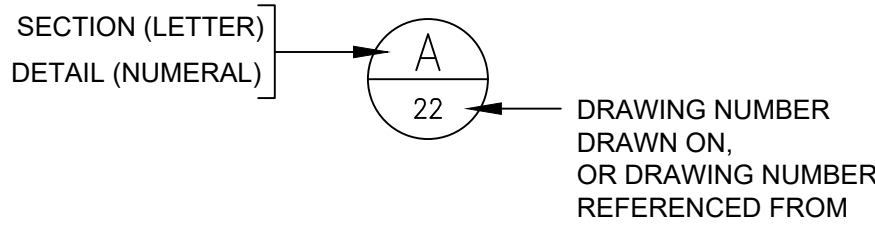
VICINITY MAP NOTES:

- CONTRACTOR TO IMPROVE EXISTING OVERFLOW PARKING, LOCATION SHOWN ON G1.1. SEE SHEET C1.4 FOR THE REQUIRED IMPROVEMENTS.

ABBREVIATIONS:

&	AND	(F)	FUTURE	P SL	PIPE SLEEVE
±	APPROXIMATELY	FT	FEET, FOOT	PT	POINT; POINT OF TANGENCY
@	AT	FC	FLEXIBLE COUPLING	PVC	POLYVINYL CHLORIDE
CL	CENTERLINE	FCA	FLANGED COUPLING ADAPTER	PVI	POINT OF VERTICAL INTERSECTION
°	DEGREE	FH	FIRE HYDRANT	PVT	POINT OF VERTICAL TANGENCY
=	EQUALS	FL	FLOW LINE	PVMT	PAVEMENT
'	FOOT	FO	FIBER OPTIC		
"	INCH	FRC	FLEXIBLE RUBBER COUPLING	RAD	RADIUS
#	NUMBER	FIG	FIGURE	RC	REINFORCED CONCRETE
Ø	PHASE	FIN	FINISH(-ED)	RCP	REINFORCED CONCRETE PIPE
%	PERCENT	FIN GD	FINISH GRADE	RD	ROAD
		FLEX	FLEXIBLE	RED	REDUCE(-R)
		FLG	FLANGE(-D)	REF	REFERENCE
ABAN	ABANDON (-ED)			REINF	REINFORC(-E, -ED, -ING, -MENT)
A/C	ASPHALT CONCRETE	G	GAS, GUTTER	REQD	REQUIRED
AIRVAC	AIR AND VACUUM VALVE	GALV	GALVANIZE(-D)	REQT	REQUIREMENT
APPROX	APPROXIMAT(-E, -LY)	GRL	GUARDRAIL	RESIL	RESILIENT
ARV	AIR RELEASE VALVE	GS	GALVANIZED STEEL	RW	RECYCLED WATER
ASPH	ASPHALT	GV	GATE VALVE	R/W	RIGHT-OF-WAY
AWG	AMERICAN WIRE GAUGE				
AWWA	AMERICAN WATER WORKS ASSOCIATION	ID	INSIDE DIAMETER	S	SOUTH; SLOPE
AVE	AVENUE	LID	LOW IMPACT DEVELOPMENT	SAN	SANITARY
AVAR	AIR VACUUM AIR RELEASE VALVE	LOC	LOCATION	SCHED, SCH	SCHEDULE
AVV	AIR AND VACUUM VALVE			SD	STORM DRAIN
				SE	SOUTHEAST
BC	BEGINNING OF CURVE	MAX	MAXIMUM	SEW	SEWER
BF	BLIND FLANGE	MBU	MODULAR BIOINFILTRATION UNIT	SHT, SH	SHEET
BFV	BUTTERFLY VALVE	MFR	MANUFACTURER	SIG	SIGNAL
BLDG	BUILDING	MH	MANHOLE	SIM	SIMILAR
BM	BENCH MARK	MIN	MINIMUM: MINUTE	SPEC	SPECIFICATIONS
BRG	BEARING	MISC	MISCELLANEOUS	SRG	SINGLE RUBBER GASKET JOINT
		MK	MARK	SS	SANITARY SEWER
C	CONDUIT	MODIF	MODIFICATION(-S)	ST	STREET
CATV	CABLE TELEVISION	MON	MONUMENT	STA	STATION
CAV	COMBINATION AIR VALVE			STD	STANDARD
CB	CATCH BASIN	N	NORTH	STL	STEEL
CC	CENTER TO CENTER	(N)	NEW	STN	STAINLESS
CEM	CEMENT	N/A	NOT APPLICABLE	STOR	STORAGE
C/G	CURB/GUTTER	NE	NORTHEAST	STRUCT	STRUCTUR(-E, -AL)
CHAN	CHANNEL	NGVD	NATIONAL GEODETIC VERTICAL DATUM	SW	SOUTHWEST; SWITCH
CL	CENTERLINE	NIC	NOT IN CONTRACT	SWPPP	STORMWATER POLLUTION PREVENTION PLAN
CLASS	CLASSIFICATION	NO	NUMBER	S/W	SEWAGE
CLR	CLEAR (-ANCE)	NOM	NOMINAL		
CML&C	CEMENT MORTAR LINED & COATED	NRS	NON-RISING STEM (VALVE)	TBM	TEMPORARY BENCH MARK
CONC	CONCRETE	NTS	NOT TO SCALE	TC	TOP OF CURB
CONN	CONNECT (-S, -ION)	NW	NORTHWEST	T, TELE	TELEPHONE
CONST	CONSTRUCT (-ION)	NIC	NOT IN CONTRACT	TEMP	TEMPERATURE; TEMPORARY
CONT	CONTINU (-ED, -OUS, -ATION)			TOC	TOP OF CONCRETE
CONTR	CONTRACTOR	O	OIL	TOP	TOP OF PAVEMENT
COORD	COORDINATE	OD	OUTSIDE DIAMETER	TOPO	TOPOGRAPHY
CPLG	COUPLING	OE	OVERHEAD ELECTRIC	TP	TELEPHONE POLE
CTF	CUT TO FIT	OFE	OWNER FURNISHED EQUIPEMENT	TS	TRAFFIC SIGNAL CONDUIT
CTR	CENTER	OS&Y	OUTSIDE SCREW & YOKE (RISING STEM-VALVE)	TYP	TYPICAL
CTS	CATHODIC TEST STATION	OSHA	OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION	UGE	UNDERGROUND ELECTRIC
				VAC	VACUUM
D	DRAIN	P	PIPE	VERT	VERTICAL
DEMO	DEMOLISH	PC	PIECE; POINT OF CURVATURE	VPI	VERTICAL POINT OF INTERSECTION
DEFL	DEFLECTION	PCC	POINT OF COMPOUND CURVE		
DET, DTL	DETAIL(-S)	PF	PROFILE	W	WIDTH; WIDE; WEST
DGRM	DIAGRAM	PG	PRESSURE GAUGE	W/	WITH
DIA	DIAMETER	PI	POINT OF INTERSECTION	WM	WATER METER
DI	DUCTILE IRON	PL, P/L	PROPERTY LINE	W/O	WITHOUT
DIM	DIMENSION(-S)	PROJ	PROJECT(-ION)	WSP	WELDED STEEL PIPE
DWG(S)	DRAWING(-S)	PROP	PROPERTY	WTR, W	WATER
		PROT	PROTECTOR		
E	EAST, ELECTRIC	PSI	POUNDS PER SQUARE INCH		
EA	EACH	PSIA	POUNDS PER SQUARE INCH ABSOLUTE (PRESSURE ABOVE VACUUM)		
EC	END OF CURVE	PSIG	POUNDS PER SQUARE INCH-GAUGE (PRESSURE ABOVE ATMOSPHERE)		
ECD	EPOXY COATED				
EL, ELEV	ELEVATION				
ENCL	ENCLOSURE				
ENGR	ENGINEER				
EQUIP	EQUIPMENT				
EXC	EXCAVATE				
EXIST, (E)	EXISTING				

SECTION OR DETAIL REFERENCE



ISSUED FOR BID

ANY PRINTS NOT BEARING THIS STAMP MAY HAVE BEEN PRINTED PRIOR TO ADVERTISING AND CANNOT BE CONSIDERED AS BID DOCUMENTS. USERS OF THIS DOCUMENT IN EDITABLE ELECTRONIC FORMATS ARE CAUTIONED AGAINST USE WITHOUT FIRST DETERMINING WHETHER CHANGES MAY HAVE BEEN MADE SUBSEQUENT TO ITS PREPARATION.

SCALES

0 1"

0 25mm

IF THIS BAR IS NOT DIMENSION SHOWN, ADJUST SCALES ACCORDINGLY.



DESIGNED

DVD

DRAWN

JKP

CHECKED

DLE



SCOTTS VALLEY WATER DISTRICT
SANTA CRUZ COUNTY, CALIFORNIA

SCOTTS VALLEY TRANSIT CENTER
LID RETROFIT PROJECT - PHASE 2



Kennedy Jenks

NOTES, SYMBOLS AND ABBREVIATIONS

SCALE

NTS

JOB NO

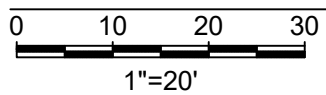
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SHEET 2 OF 27

G1.2



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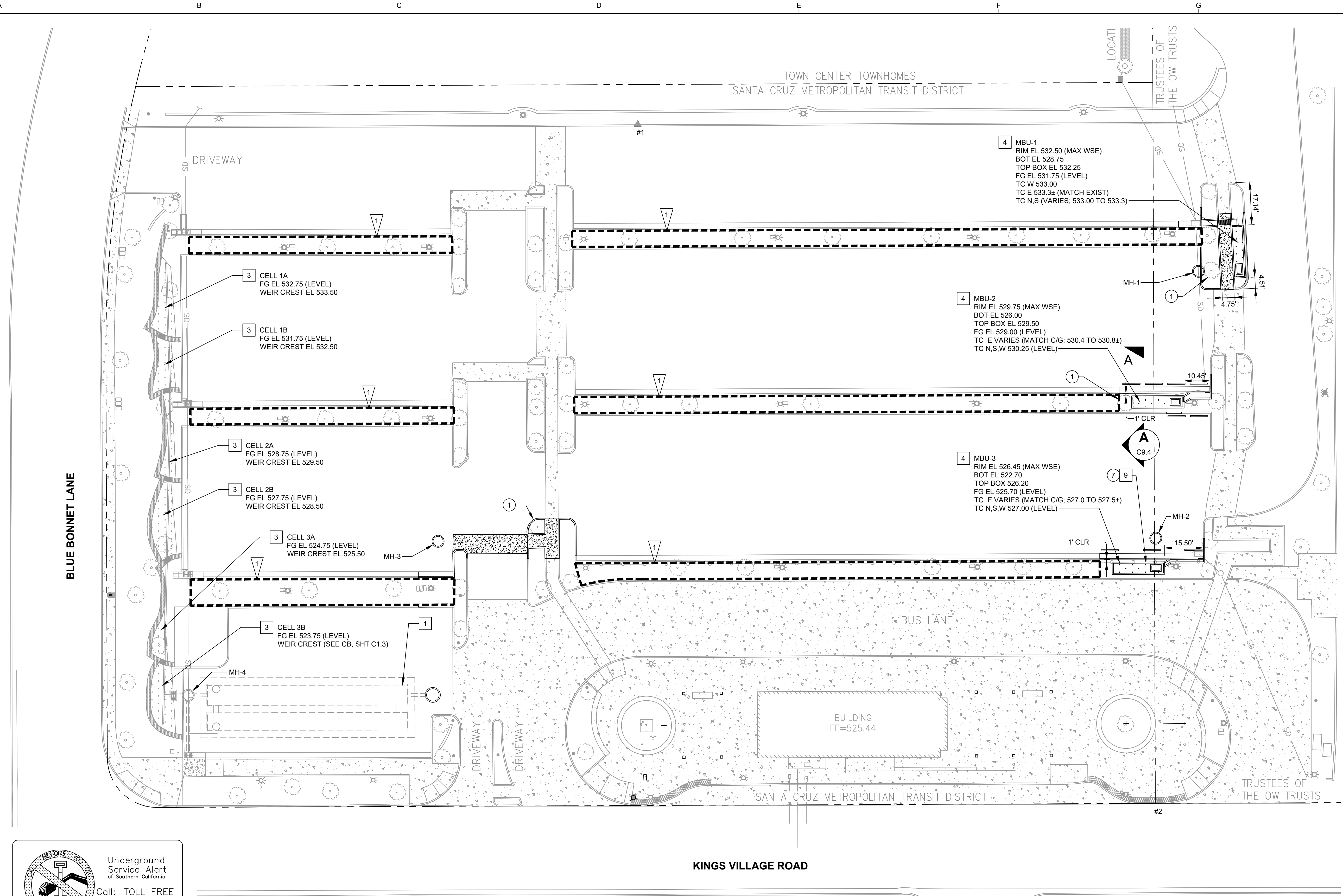
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SCALE		
1"=20'		
JOB NO		
2468009.00		
DATE		
MAY 2024		
SHEET	3 OF	27
C1.1		

Plot Date: 5/8/2024 5:11 PM

User: DARIUS DASTOUM

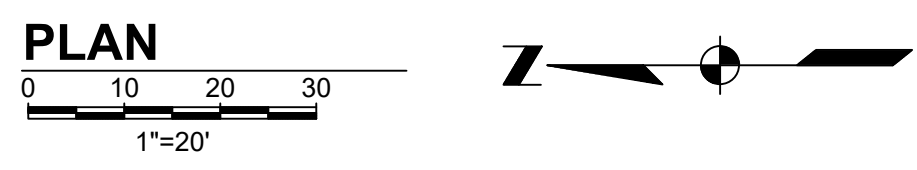
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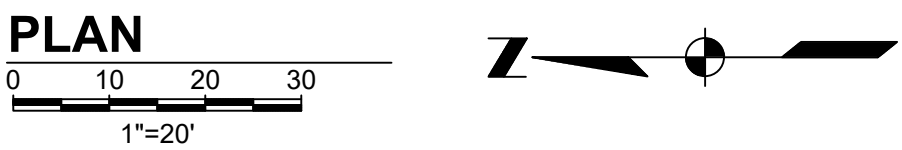
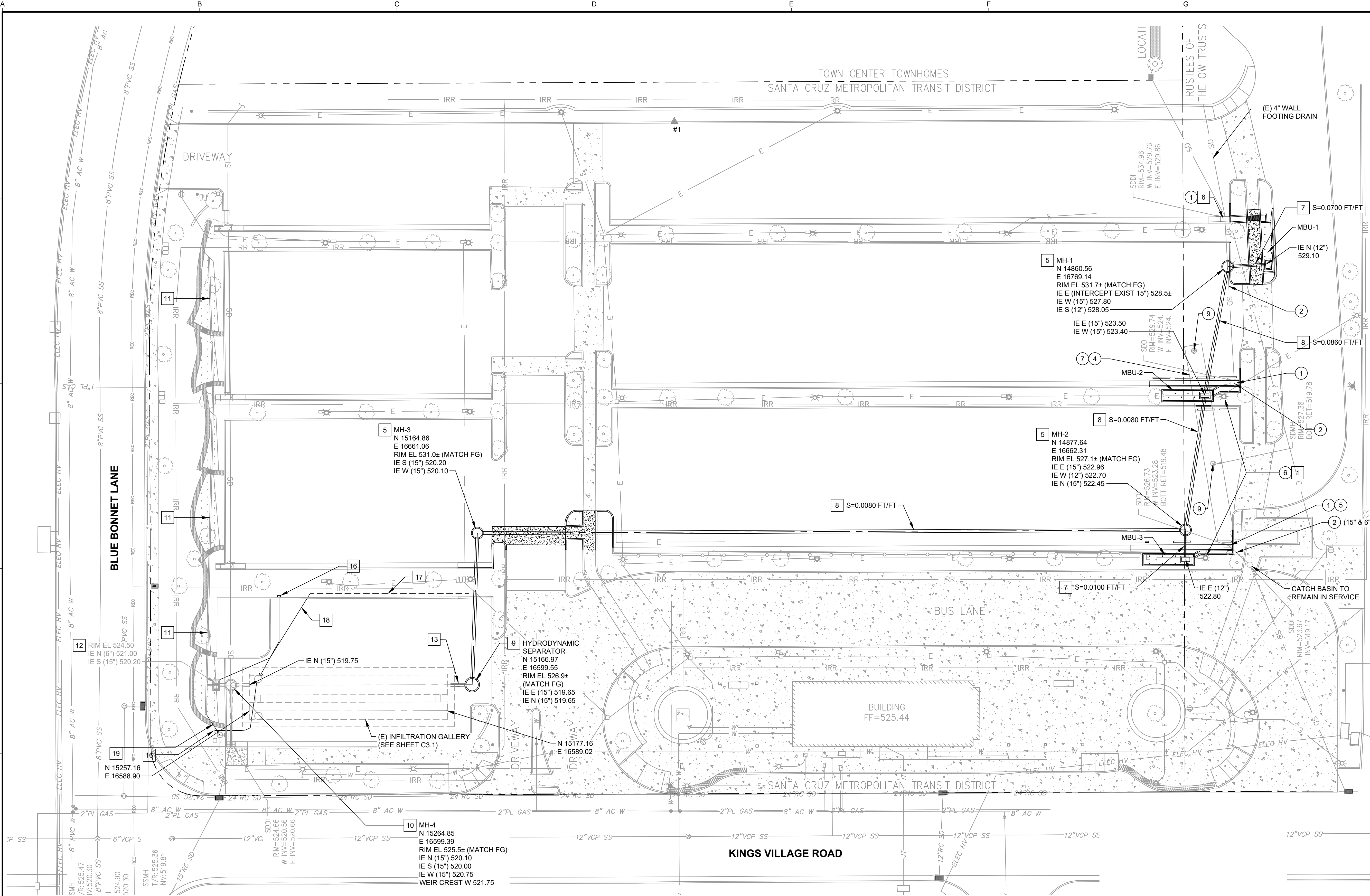
- GENERAL NOTES:**
1. PROTECT ALL EXISTING TREES EXCEPT THOSE SPECIFICALLY SHOWN TO BE REMOVED OR AS OTHERWISE FAVORABLY REVIEWED.
- REMOVE / RELOCATE NOTES:**
- 1 REMOVE TREE.
 - 2 NOT USED.
 - 3 NOT USED.
 - 4 NOT USED.
 - 5 NOT USED.
 - 6 NOT USED.
 - 7 REMOVE (E) METALLIC GUARDRAIL WITHIN LIMITS DISTURBED BY MBU CONSTRUCTION TO VERTICAL POST.
 - 8 NOT USED.

- CONSTRUCTION NOTES:**
- 1 (E) BELOW GROUND INFILTRATION GALLERY.
 - 2 NOT USED.
 - 3 (E) VEGETATED SWALE.
 - 4 MODULAR BIOFILTRATION UNIT PER DETAIL 5/C9.2. PROVIDE TOP OF CURB, OVERFLOW RIM, FINISHED GRADE, AND BOTTOM ELEVATION AS INDICATED.
 - 5 NOT USED.
 - 6 NOT USED.
 - 7 NOT USED.
 - 8 NOT USED.
 - 9 CONSTRUCT REPLACEMENT GUARDRAIL THATS COORDINATED WITH MBU AND CONNECTING CONCRETE CHANNEL USING GALVANIZED SCHEDULE 40 ASTM B53 PIPE, DIAMETER TO MATCH (E) GUARDRAIL. MATCH ELEVATIONS OF HORIZONTAL RAILS WITH (E). PREPARE, PRIME AND PAINT TO MATCH (E) GUARDRAIL
 - 10 NOT USED.
 - 11 NOT USED.
 - 12 NOT USED.

- BIDDING NOTES:**
- 1 BID ADD ALTERNATE A: SUPPLEMENTAL LANDSCAPE IMPROVEMENTS BETWEEN PARKING LOT TIERS PER LANDSCAPE DRAWINGS TO THE LIMITS DELINEATED. EXCEPTION: EXISTING LANDSCAPING DAMAGED OR REMOVED BY BASE BID WORK SHALL BE REPLACED, AND ALL EXISTING TREES THAT ARE REMOVED SHALL BE REPLACED WITH NEW TREES, AND SHALL BE INCLUDED IN THE BASE BID. INCLUDES REPLACE-IN-PLACE TREES AND NEW TREE LOCATIONS.
- ALL OTHER IMPROVEMENTS ARE INCLUDED IN THE BASE BID.



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GENERAL NOTES:

- SEE TYPICAL TRENCH DETAIL ON SHEET C9.2 FOR ALL BURIED PIPELINE INSTALLATION.
- EXISTING UTILITIES SHOWN ARE BASED ON AVAILABLE INFORMATION. ALL UTILITIES PRESENT MAY NOT BE SHOWN, OR SHOWN IN ACTUAL LOCATIONS. REGARDLESS OF WHETHER CALLED OUT OR SHOWN OR NOT, EXISTING UTILITIES SHALL BE REMOVED AND REPLACED, RELOCATED, OR RE-ROUTED IN KIND WHERE IN CONFLICT WITH NEW WORK, UNLESS NOTED OTHERWISE. PROTECT IN PLACE EXISTING UTILITIES THAT ARE NOT IN CONFLICT WITH NEW WORK.

REMOVE / RELOCATE NOTES:

- REMOVE (E) CATCH BASIN. BACKFILL WITH COMPACTED NATIVE FILL.
- PLUG (E) STORM DRAIN PIPE END WITH GROUTED BRICKS OR CONCRETE DEMO RUBBLE, MIN 2' LONG AND WATERTIGHT. STORM DRAIN PIPE TO BE ABANDONED.
- NOT USED.
- DEMOLISH (E) REINF CONC DETENTION BOX TO THE EXTENT NECESSARY FOR CONSTRUCTION OF NEW IMPROVEMENTS.
- PLUG DROP CONNECTION INTO (E) DETENTION BOX WATERTIGHT PER DETAIL 7/C9.3, IN CONJUNCTION WITH CB REMOVAL.
- RE-ROUTE (E) ELECTRICAL FEED TO LUMINAIRE IN KIND AS REQUIRED FOR MODULAR BIOFILTRATION UNIT INSTALLATION.
- PLUG OPEN ENDS OF (E) DETENTION BOX PER DETAIL 7/C9.3. BACKFILL AREA OF DEMOLITION WITH COMPACTED NATIVE FILL COMPACTED TO 95%. ABANDON REMAINDER OF BOX IN PLACE.
- NOT USED.
- REMOVE (E) MANHOLE CASTING, RISER SECTIONS AND RINGS TO EXPOSE THE TOP OF THE (E) DETENTION BOX. PLUG OPENING PER DETAIL 7/C9.3.

CONSTRUCTION NOTES:

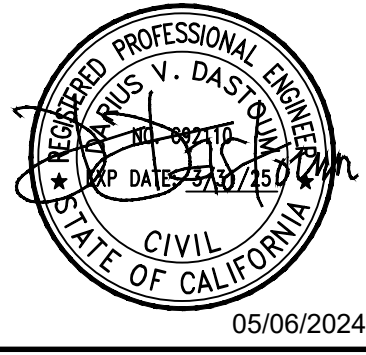
- PROTECT (E) LUMINAIRE AND FOUNDATION IN PLACE. IF NECESSARY, REMOVE, STORE AND REINSTALL AT END OF CONSTRUCTION.
- NOT USED.
- NOT USED.
- NOT USED.
- 4' STORM DRAIN MH PER DETAIL 4/C9.2.
- CONNECT TWO OPEN ENDS OF (E) 15" SD TOGETHER AFTER CB REMOVAL, INSTALL TAP, AND CONNECT (E) 4" WALL FOOTING DRAIN
- 12"Ø STORM DRAIN PIPE. SLOPE AS NOTED.
- 15"Ø STORM DRAIN PIPE. SLOPE AS NOTED.
- HYDRODYNAMIC SEPARATOR.
- (E) 4' STORM DRAIN MH WITH OVERFLOW WEIR.
- (E) 6" PERFORATED UNDERDRAIN WITH CLEANOUT ACCESS AT EACH CELL OF VEGETATED SWALE.
- (E) CATCH BASIN.
- CONNECT 15" DIA STORM DRAIN PIPE TO (E) 15" DIA STUB.
- NOT USED.
- NOT USED.
- TWO (E) PARALLEL 2" Ø SCH 80 PVC ELECTRICAL CONDUITS WITH LOOSE FIT CAP ON OPEN ENDS TERMINATED INSIDE ACCESS RISER AND APPROX. 2' BEHIND CURBS AT EACH END.
- (E) 4" PVC PERFORATED DRAIN.
- (E) 4" PVC DRAIN.
- (E) V64 DRAIN INLET CONNECTED TO CLEANOUT FOR DRAIN IN CELL 3B.

ISSUED FOR BID

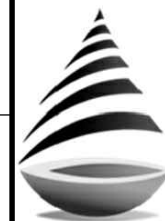
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NO	REVISION	DATE	BY

SCALES
0 1"
0 25mm
IF THIS BAR IS NOT
DIMENSION SHOWN,
ADJUST SCALES
ACCORDINGLY.



DESIGNED
DVD
DRAWN
JKP
CHECKED
DLE



SCOTTS VALLEY WATER DISTRICT
SANTA CRUZ COUNTY, CALIFORNIA
**SCOTTS VALLEY TRANSIT CENTER
LID RETROFIT PROJECT - PHASE 2**

KJ Kennedy Jenks

UTILITIES PLAN

SCALE	1"=20'
JOB NO	2468009.00
DATE	MAY 2024
SHEET	5 OF 27
C1.3	

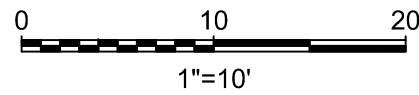
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OVERFLOW PARKING NOTES:

- SEE VICINITY MAP ON SHEET G1.1 FOR LOCATION.
- CONTRACTOR TO IMPROVE EMPTY LOT FOR TEMPORARY PARKING. PROVIDE:
 - TEMP SIGNAGE IDENTIFYING LOCATION AS "TRANSIT CENTER OVERFLOW PARKING" USE 4" BLACK LETTERING ON A WHITE BACKGROUND WITH A BLACK BORDER. 3/4" MARINE GRADE PLY OR BETTER, MIN 2'-6" X 5'-0", BOLTED TO MIN TWO 4"x4" POSTS. SET TOP OF SIGN 6'-0" ABOVE GRADE. SIGN SHALL BE PROFESSIONALLY MADE BY A LICENSED SIGN MAKING BUSINESS. PROVIDE TWO SIGNS, ONE FACING NORTH AND ONE FACING SOUTH.
 - TRIM AND REMOVE BRUSH AND OTHER VEGETATION AT PERIMETER OF (E) OVERFLOW PARKING TO 3-FEET BEYON CONCRETE WHEEL STOPS.
 - REMOVE ANY GARBAGE/WASTE FROM THE PARKING AREA.
 - RESURFACE AND REGRADE EXISTING PARKING AREA. PROVIDE AGGREGATE BASE AS NEEDED TO PROVIDE A LEVEL SURFACE FREE OF POTHOLES.
 - REFRESH STRIPING AS NEEDED TO THE SATISFACTION OF THE CONSTRUCTION MANAGER.
 - REPLACE BROKEN AND/OR MISSING PRECAST CONCRETE PARKING BLOCKS, AS NEEDED.
- MAINTAIN IMPROVEMENTS THROUGHOUT DURATION OF PROJECT INCLUDING BUT NOT LIMITED TO RESETTNG PRECAST CONCRETE PARKING BLOCKS, TOUCH-UP STRIPING, ETC.

OVERFLOW PARKING PLAN



SCALES
0 1"
0 25mm
IF THIS BAR IS NOT
DIMENSION SHOWN,
ADJUST SCALES
ACCORDINGLY.



DESIGNED
DVD
DRAWN
JKP
CHECKED
DLE



SCOTTS VALLEY WATER DISTRICT
SANTA CRUZ COUNTY, CALIFORNIA
SCOTTS VALLEY TRANSIT CENTER
LID RETROFIT PROJECT - PHASE 2

K Kennedy Jenks

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NO	REVISION	DATE	BY	

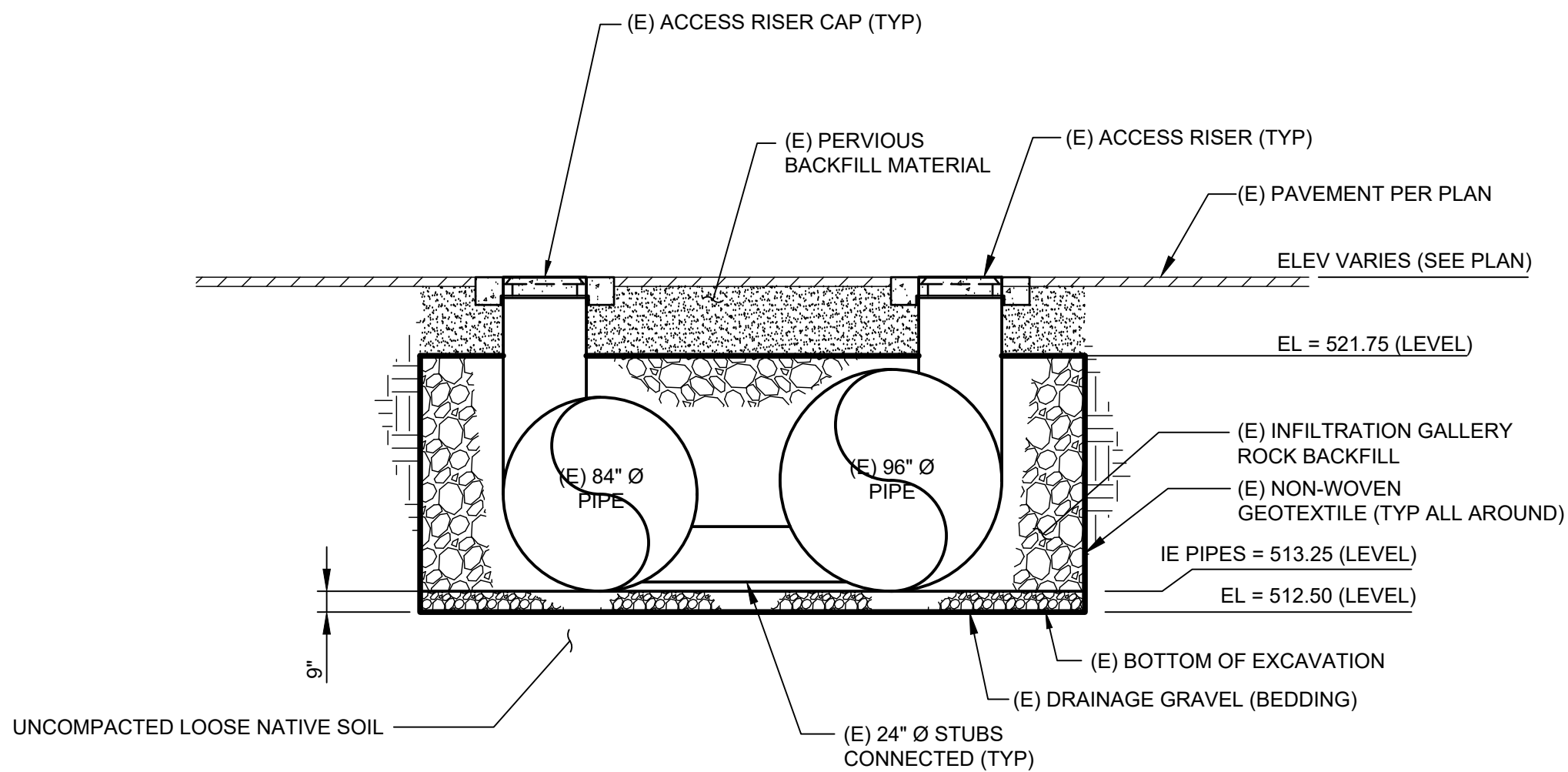
OVERFLOW PARKING PLAN

SCALE	1"=10'
JOB NO	2468009.00
DATE	MAY 2024
SHEET	6 OF 27
	C1.4

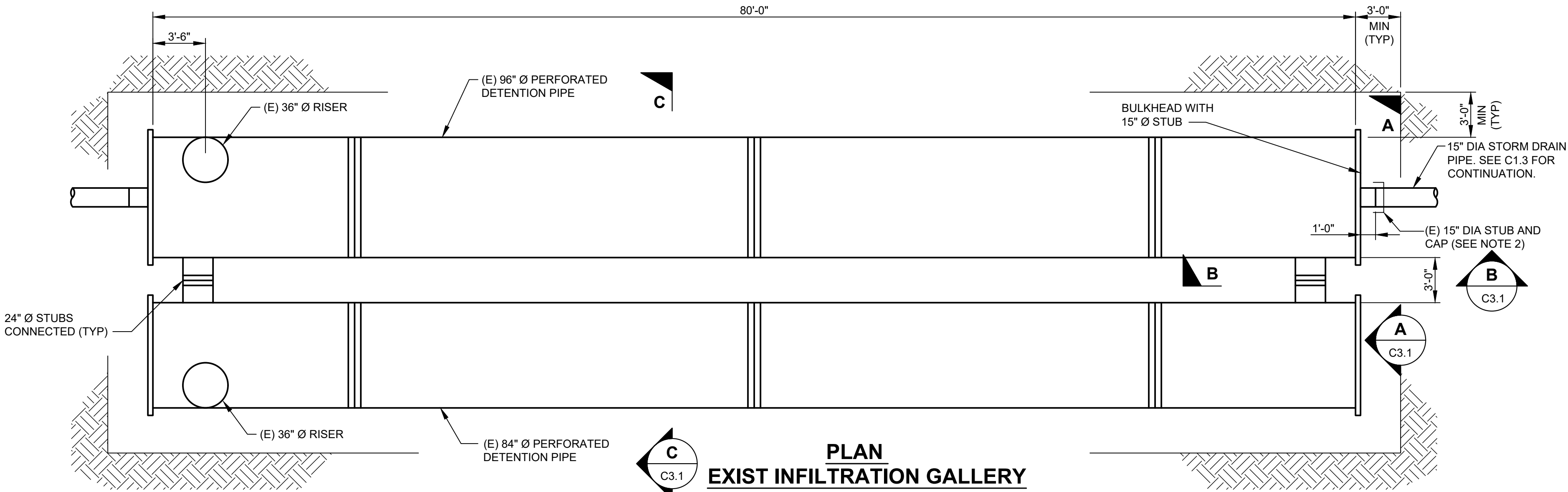
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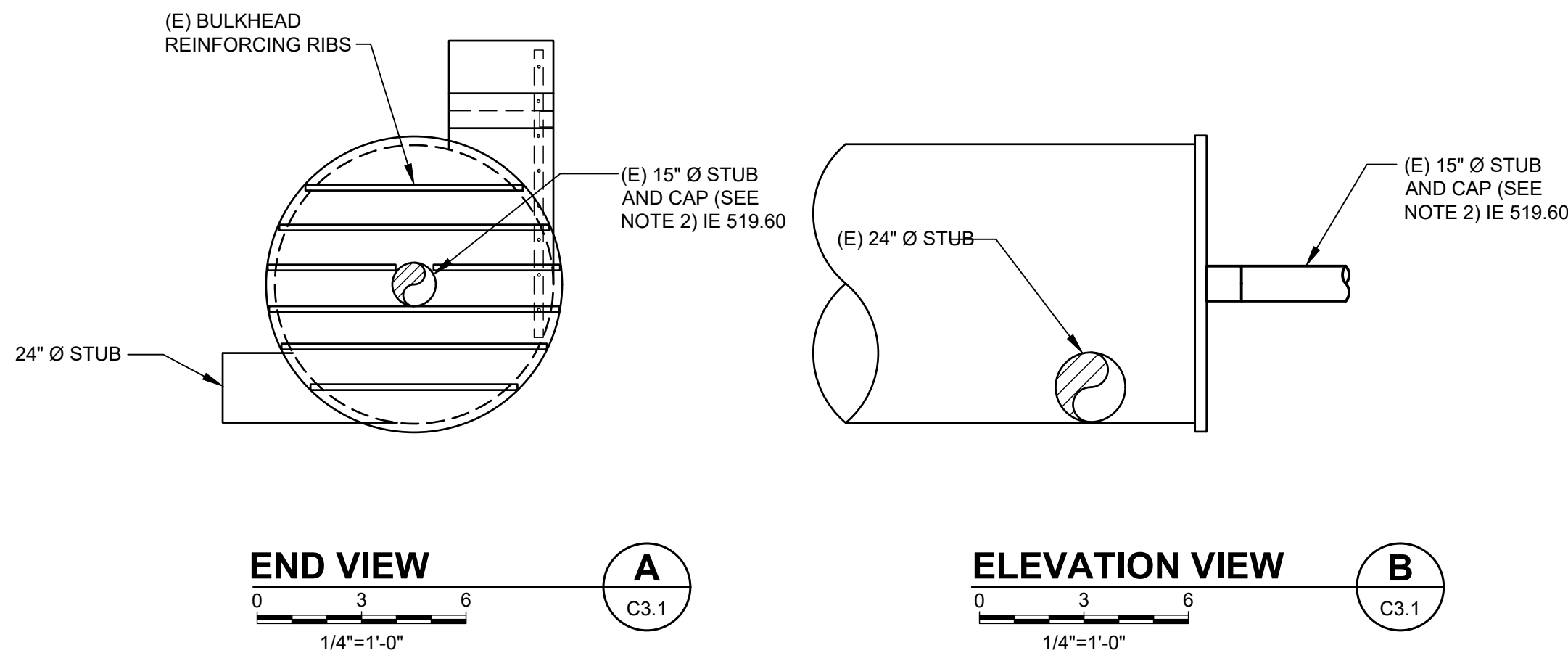
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SECTION
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3/16"=1'-0"
C
C3.1



- NOTES:**
- CONTRACTOR TO REMOVE ANY WATER IN THE INFILTRATION GALLERY AS NECESSARY TO CONNECT THE NEW PIPE.
 - REMOVE (E) CAP FROM 15" Ø STUB AND CONNECT NEW 15" Ø STORM DRAIN PIPE. FIELD VERIFY (E) STUB AND SUBMIT DETAILS FOR COMPATIBLE CONNECTION.
 - RESTORE/REPLACE (E) ROCK, PVIOUS BACKFILL, GEOTEXTILE, ETC. DISTURBED DURING CONNECTION OF 15" STORM DRAIN PIPE TO (E) STUB. MATCH (E).

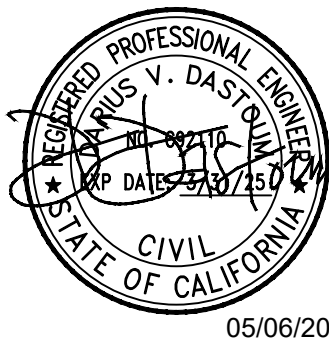


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NO	REVISION	DATE	BY
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SCALES
0 1"
0 25mm
IF THIS BAR IS NOT DIMENSION SHOWN, ADJUST SCALES ACCORDINGLY.



DESIGNED	DVD
DRAWN	JKP
CHECKED	DLE



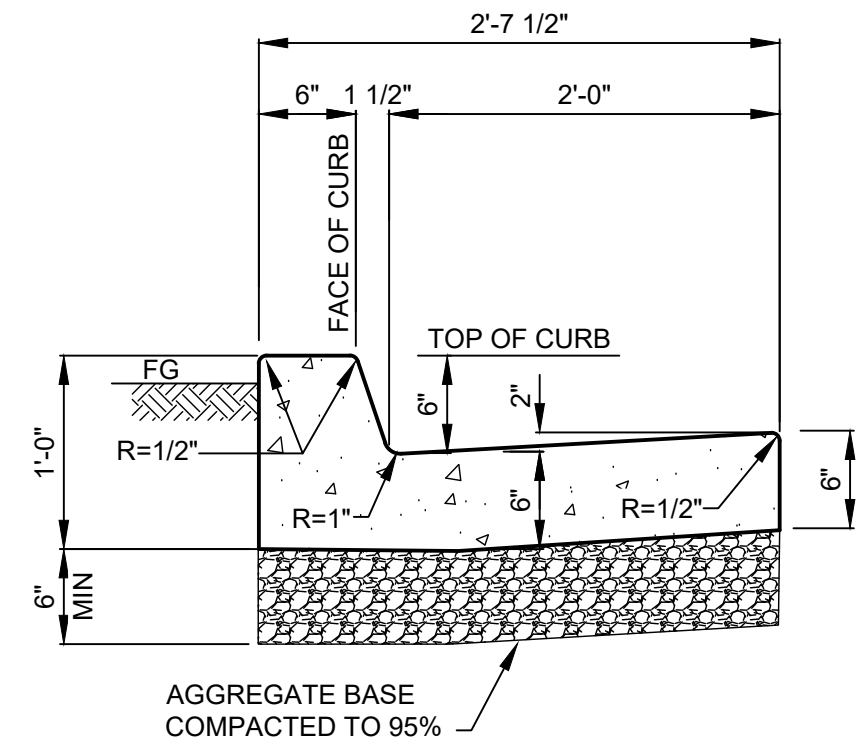
SCOTTS VALLEY WATER DISTRICT
SANTA CRUZ COUNTY, CALIFORNIA
**SCOTTS VALLEY TRANSIT CENTER
LID RETROFIT PROJECT - PHASE 2**

KJ Kennedy Jenks

**INFILTRATION GALLERY
PLAN, SECTION AND DETAILS**

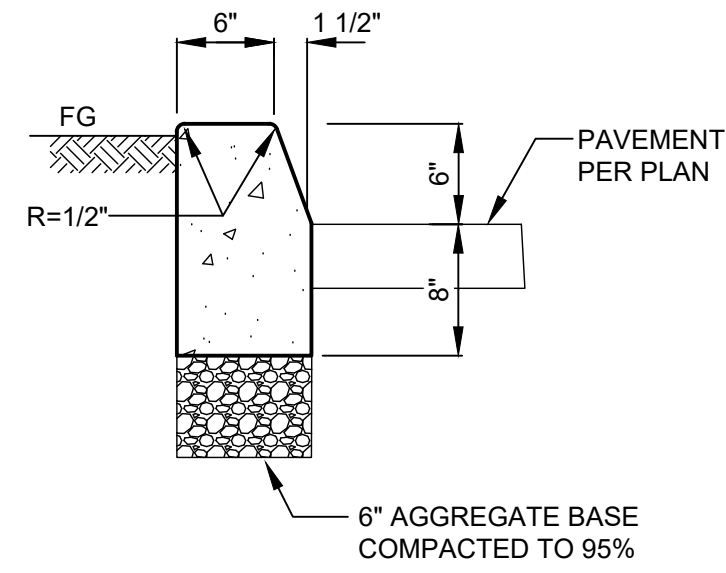
SCALE	AS SHOWN
JOB NO	2468009.00
DATE	MAY 2024
SHEET	7 OF 27
	C3.1

Plot Date: 5/6/2024 3:20 PM
User: DARIUS DASTOUM
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COMBINED CURB AND GUTTER
SCALE: NONE

1
C1.1

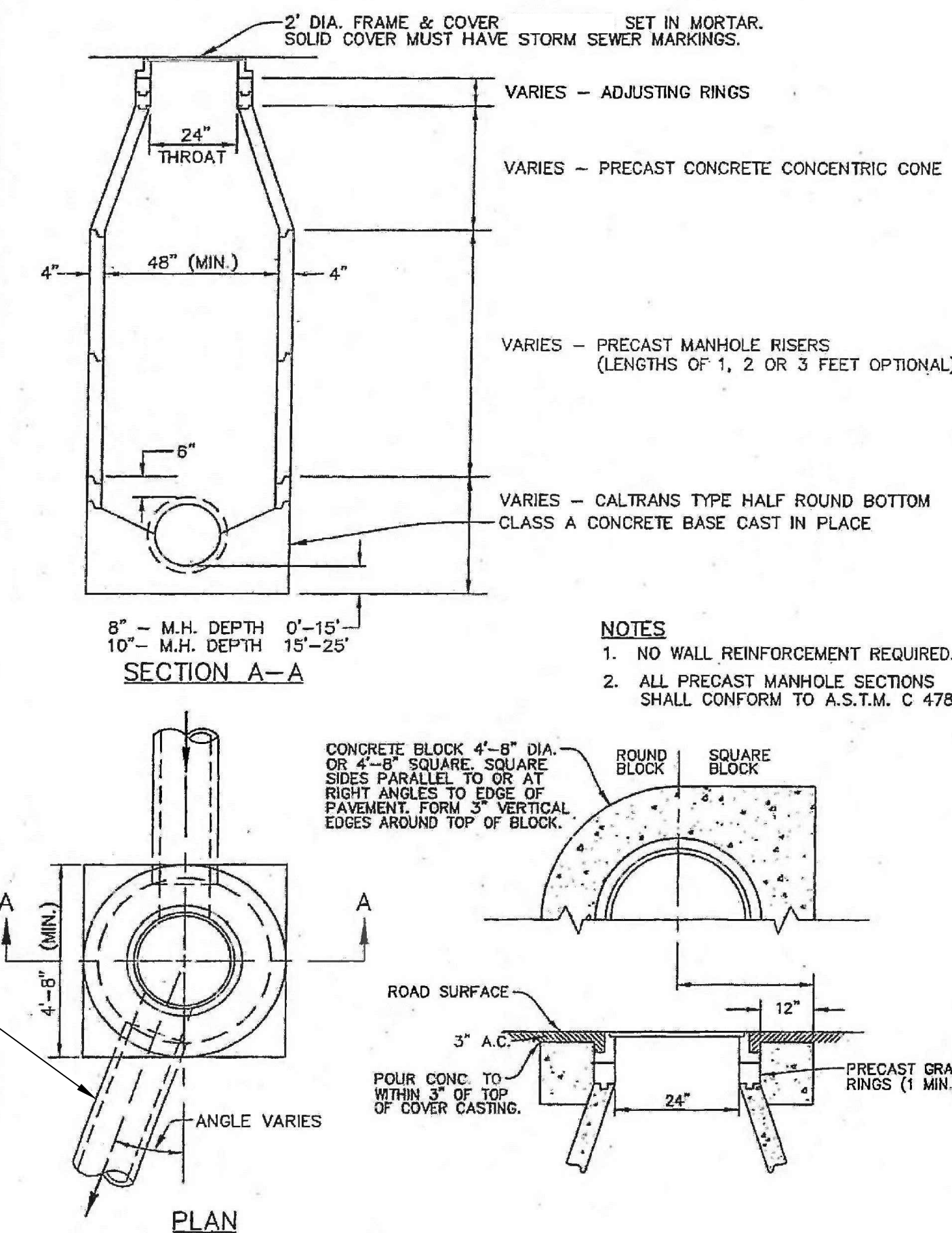
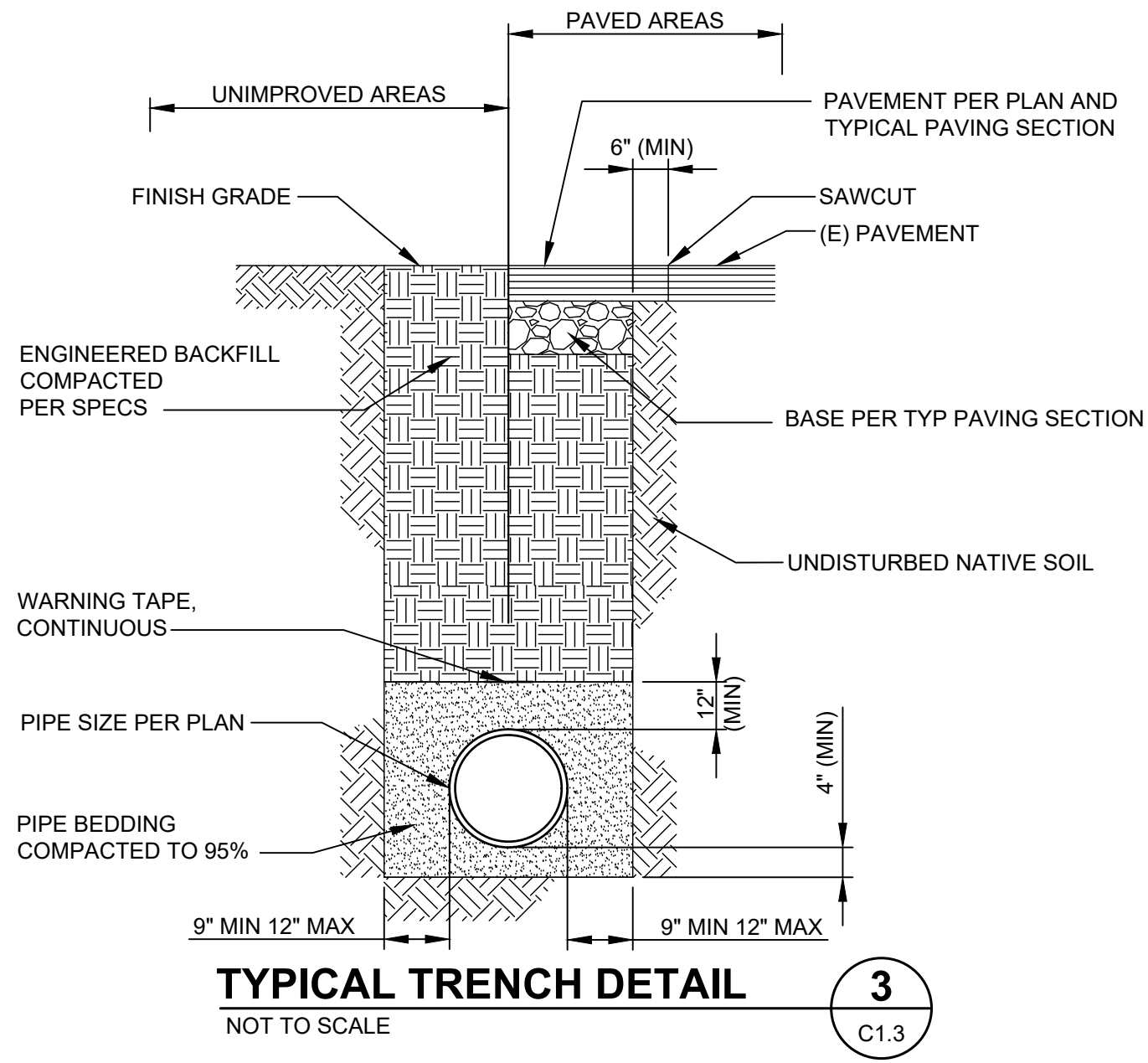


VERTICAL CURB
SCALE: NONE

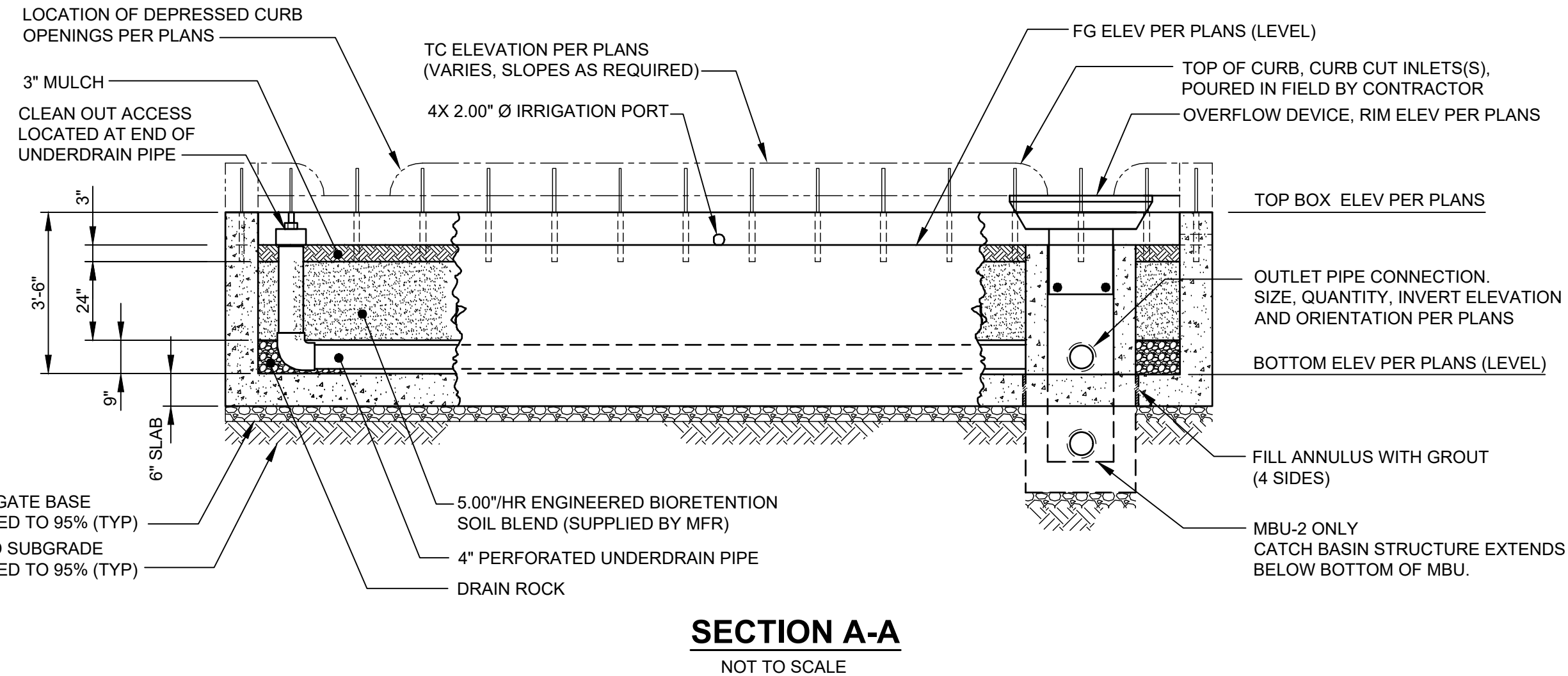
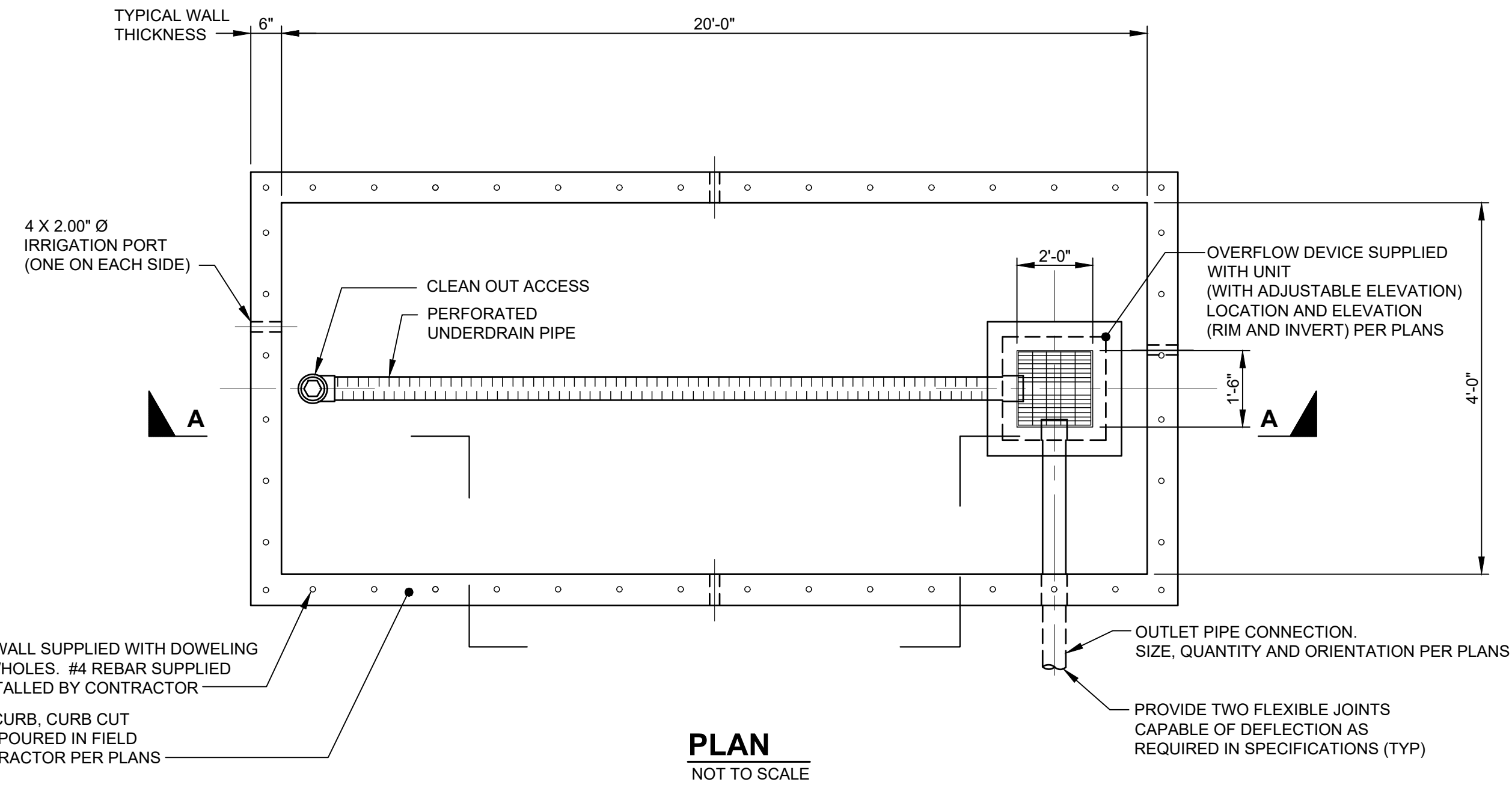
2
C1.1

ISSUED FOR BID					<div>SCALES</div> <div><div>01"25mm</div></div> <div>IF THIS BAR IS NOT DIMENSION SHOWN, ADJUST SCALES ACCORDINGLY.</div>	<div>DESIGNED</div> <div>DVD</div> <div>DRAWN</div> <div>JKP</div> <div>CHECKED</div> <div>DLE</div>	<div>SCOTTS VALLEY WATER DISTRICT SANTA CRUZ COUNTY, CALIFORNIA</div> <div>SCOTTS VALLEY TRANSIT CENTER LID RETROFIT PROJECT - PHASE 2</div> <div>Kennedy Jenks</div>	MISCELLANEOUS CIVIL DETAILS AND SECTIONS - 1	SCALE	NTS
									JOB NO	2468009.00
									DATE	MAY 2024
									SHEET	8 OF 27
										C9.1
ANY PRINTS NOT BEARING THIS STAMP MAY HAVE BEEN PRINTED PRIOR TO ADVERTISING AND CANNOT BE CONSIDERED AS BID DOCUMENTS. USERS OF THIS DOCUMENT IN EDITABLE ELECTRONIC FORMATS ARE CAUTIONED AGAINST USE WITHOUT FIRST DETERMINING WHETHER CHANGES MAY HAVE BEEN MADE SUBSEQUENT TO ITS PREPARATION.	NO	REVISION	DATE	BY	05/06/2024					

Plot Date: 5/6/2024 3:20 PM
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pw:\kce-pw\Documents\Clients\Scotts Valley Water District\Projects\Transit Center LID Retrofit Project - Phase 2_2468009.00\10-Drawings\Civil\2468009.00-C9-2.dwg



SOURCE: SANTA CRUZ COUNTY STANDARD DETAIL SWM-10
STORM DRAIN MANHOLE 4
NOT TO SCALE



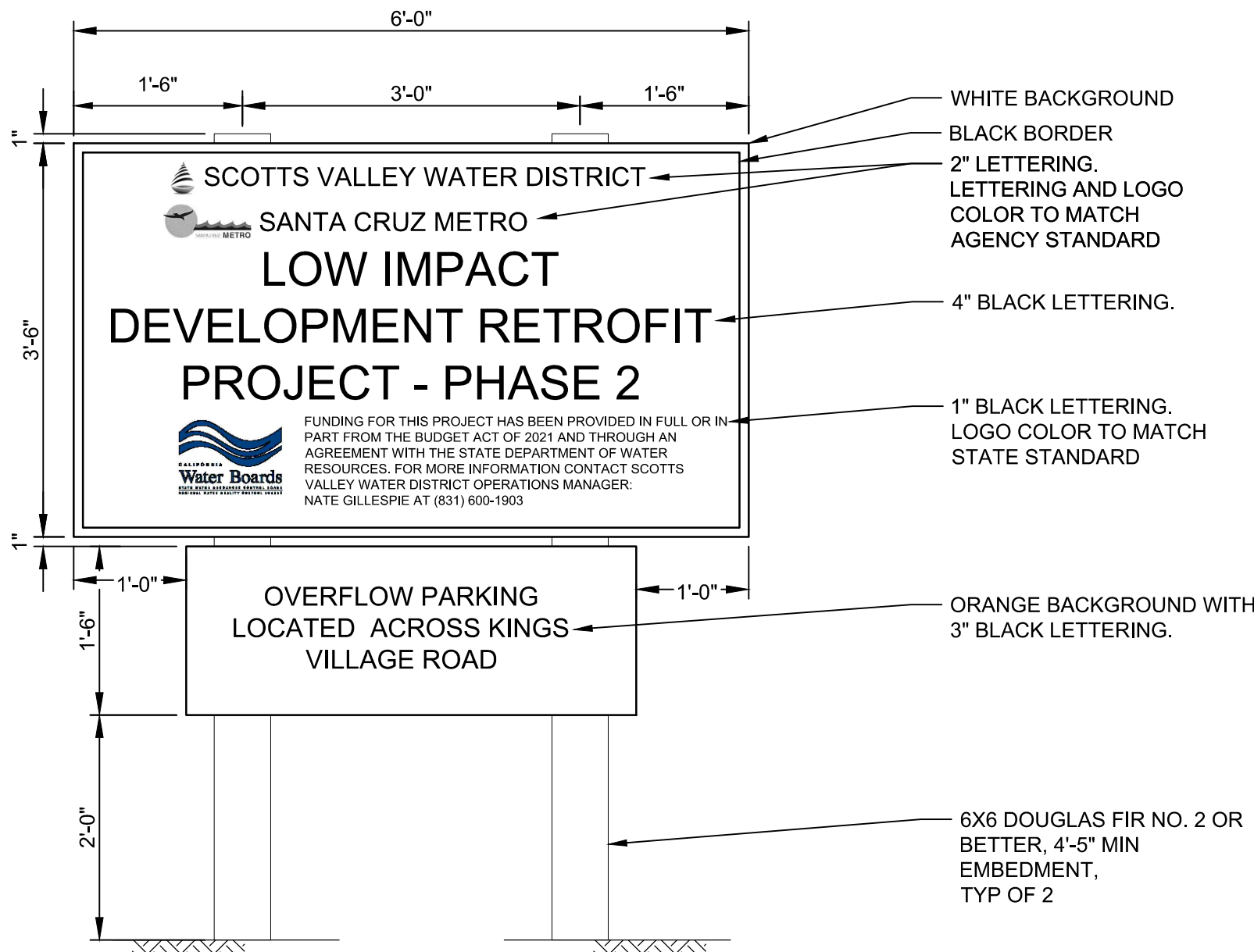
MODULAR BIOFILTRATION UNIT (MBU) 5
NOT TO SCALE

ISSUED FOR BID					<div>SCALES</div> <div>0 1"</div> <div>0 25mm</div> <div>IF THIS BAR IS NOT DIMENSION SHOWN, ADJUST SCALES ACCORDINGLY.</div> <div></div> <div>DESIGNED DVD</div> <div>DRAWN JKP</div> <div>CHECKED DLE</div> <div>05/06/2024</div>	<div></div> <div>SCOTTS VALLEY WATER DISTRICT SANTA CRUZ COUNTY, CALIFORNIA</div> <div>SCOTTS VALLEY TRANSIT CENTER LID RETROFIT PROJECT - PHASE 2</div> <div></div> <div>Kennedy Jenks</div>	MISCELLANEOUS CIVIL DETAILS AND SECTIONS - 2	SCALE	NTS
								JOB NO	2468009.00
								DATE	MAY 2024
								SHEET	9 OF 27
								C9.2	
ANY PRINTS NOT BEARING THIS STAMP MAY HAVE BEEN PRINTED PRIOR TO ADVERTISING AND CANNOT BE CONSIDERED AS BID DOCUMENTS. USERS OF THIS DOCUMENT IN EDITABLE ELECTRONIC FORMATS ARE CAUTIONED AGAINST USE WITHOUT FIRST DETERMINING WHETHER CHANGES MAY HAVE BEEN MADE SUBSEQUENT TO ITS PREPARATION.	NO	REVISION	DATE	BY					

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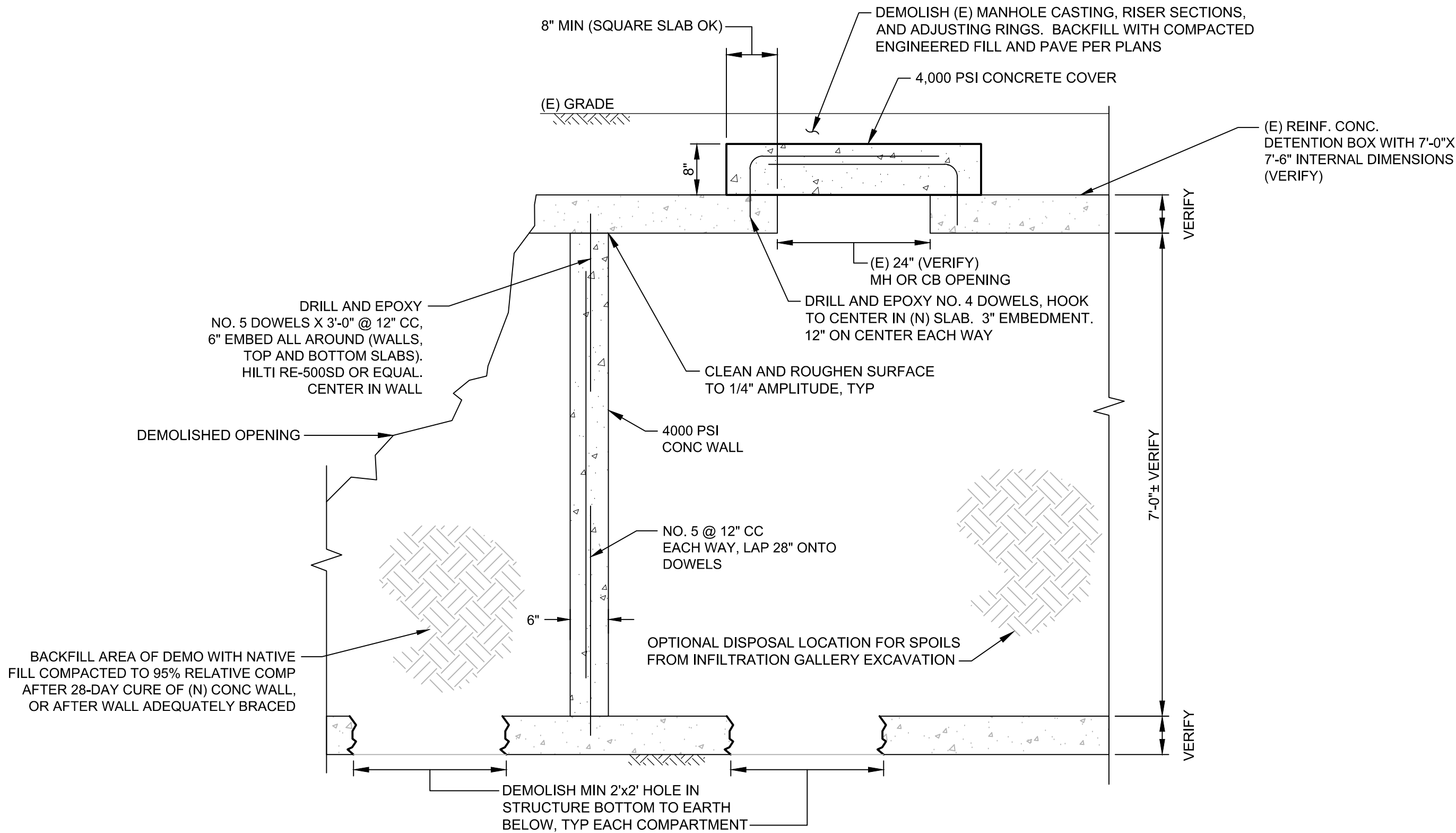
NOTES:

- SIGNS SHALL BE 1/4" ALUMINUM PANELS WITH REFLECTIVE ROAD GRADE VINYL FORMATIONS, VOSS, OR EQUAL.
- SECURE SIGNS TO EACH POST WITH TWO GALVANIZED 3/8" DIA BOLTS WITH WASHERS AT NUTS.
- INSTALL SIGNS WHERE SHOWN ON PLAN. REMOVE AT PROJECT COMPLETION.



TEMPORARY PROJECT IDENTIFICATION SIGN
NOT TO SCALE

6
C1.1



END AND TOP CLOSURE AT (E) DETENTION BOX
NOT TO SCALE

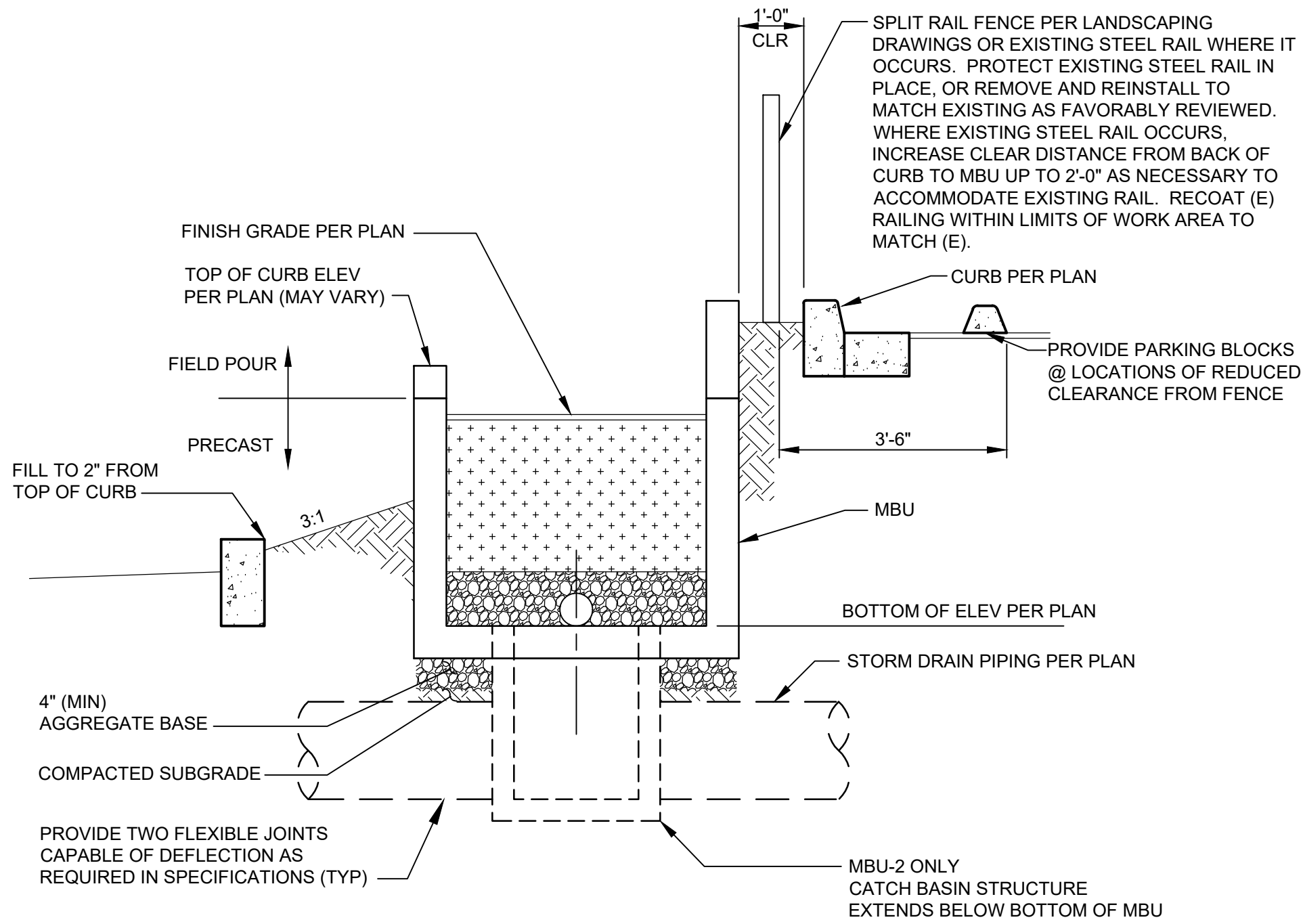
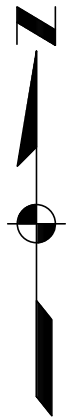
7
C1.3

ISSUED FOR BID					<div>SCALES</div> <div><div>01"25mm</div></div> <div>IF THIS BAR IS NOT DIMENSION SHOWN, ADJUST SCALES ACCORDINGLY.</div>	<div><div><div><div>REGISTERED PROFESSIONAL ENGINEER</div><div>CHRISTOPHER V. DASTOUM</div><div>NO. 50497</div><div>EXPIRATION DATE 5/31/25</div><div>CIVIL</div><div>STATE OF CALIFORNIA</div></div></div><div>05/06/2024</div></div>	DESIGNED DVD DRAWN JKP CHECKED DLE	<div><div><div></div><div>SCOTTS VALLEY WATER DISTRICT SANTA CRUZ COUNTY, CALIFORNIA</div><div>SCOTTS VALLEY TRANSIT CENTER LID RETROFIT PROJECT - PHASE 2</div></div><div><div>KJ</div><div>Kennedy Jenks</div></div></div>	MISCELLANEOUS CIVIL DETAILS AND SECTIONS - 3	SCALE NTS
	ANY PRINTS NOT BEARING THIS STAMP MAY HAVE BEEN PRINTED PRIOR TO ADVERTISING AND CANNOT BE CONSIDERED AS BID DOCUMENTS. USERS OF THIS DOCUMENT IN EDITABLE ELECTRONIC FORMATS ARE CAUTIONED AGAINST USE WITHOUT FIRST DETERMINING WHETHER CHANGES MAY HAVE BEEN MADE SUBSEQUENT TO ITS PREPARATION.	NO	REVISION	DATE	BY					JOB NO 2468009.00 DATE MAY 2024 SHEET 10 OF 27 C9.3

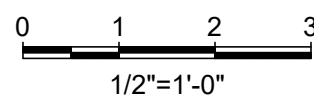
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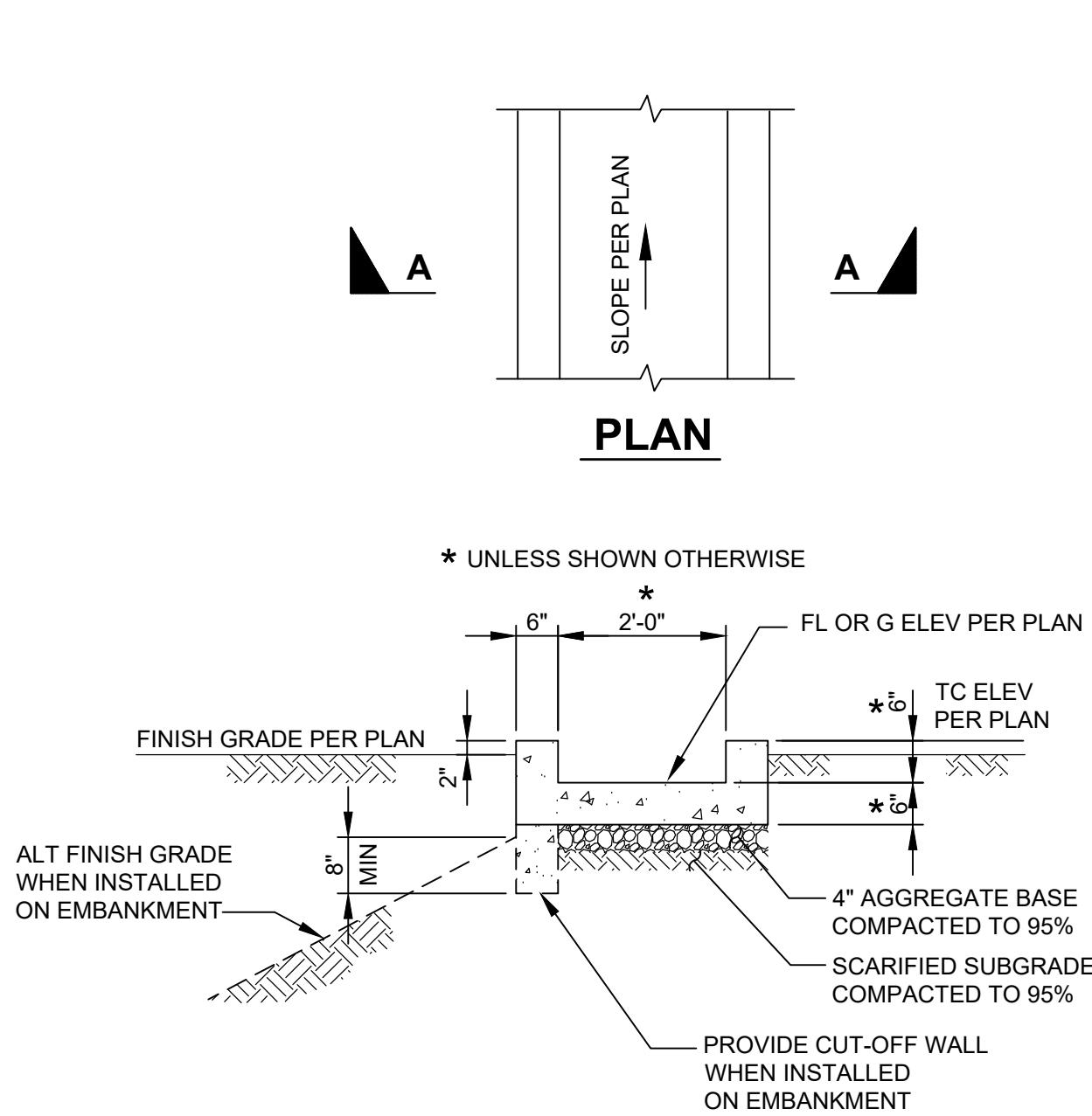
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MBU TYPICAL SECTION

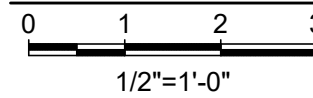


A
C1.2

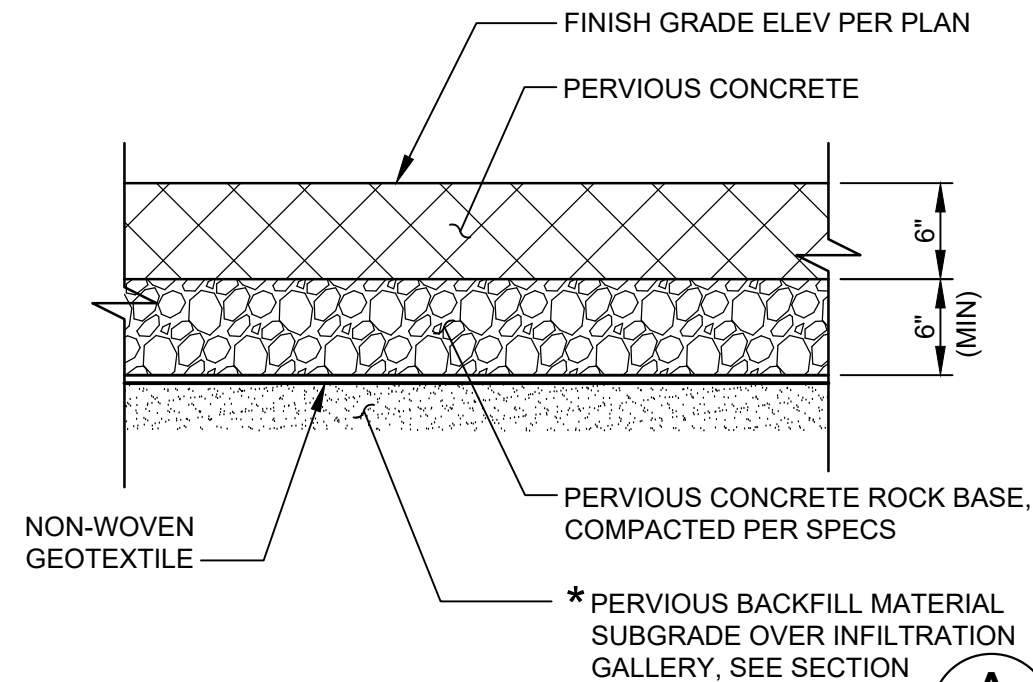


SECTION A-A

CONCRETE CHANNEL

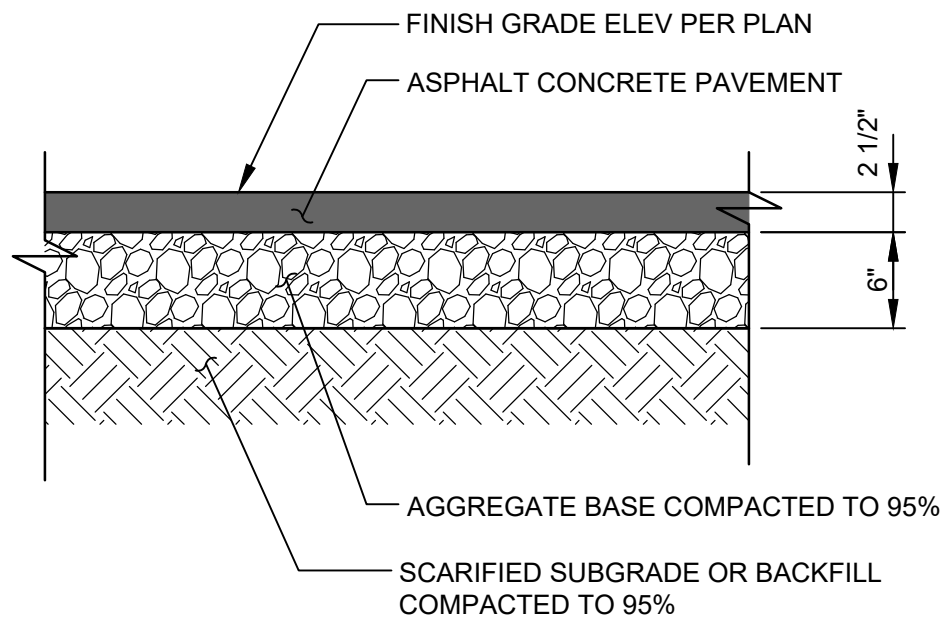


8
C1.1



TYP PERVIOUS CONCRETE PAVING SECTION

SCALE: NONE



TYP ASPHALT PAVING SECTION

SCALE: NONE

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NO	REVISION	DATE	BY
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SCALES
0 1"
0 25mm
IF THIS BAR IS NOT DIMENSION SHOWN, ADJUST SCALES ACCORDINGLY.



DESIGNED	DVD
DRAWN	JKP
CHECKED	DLE



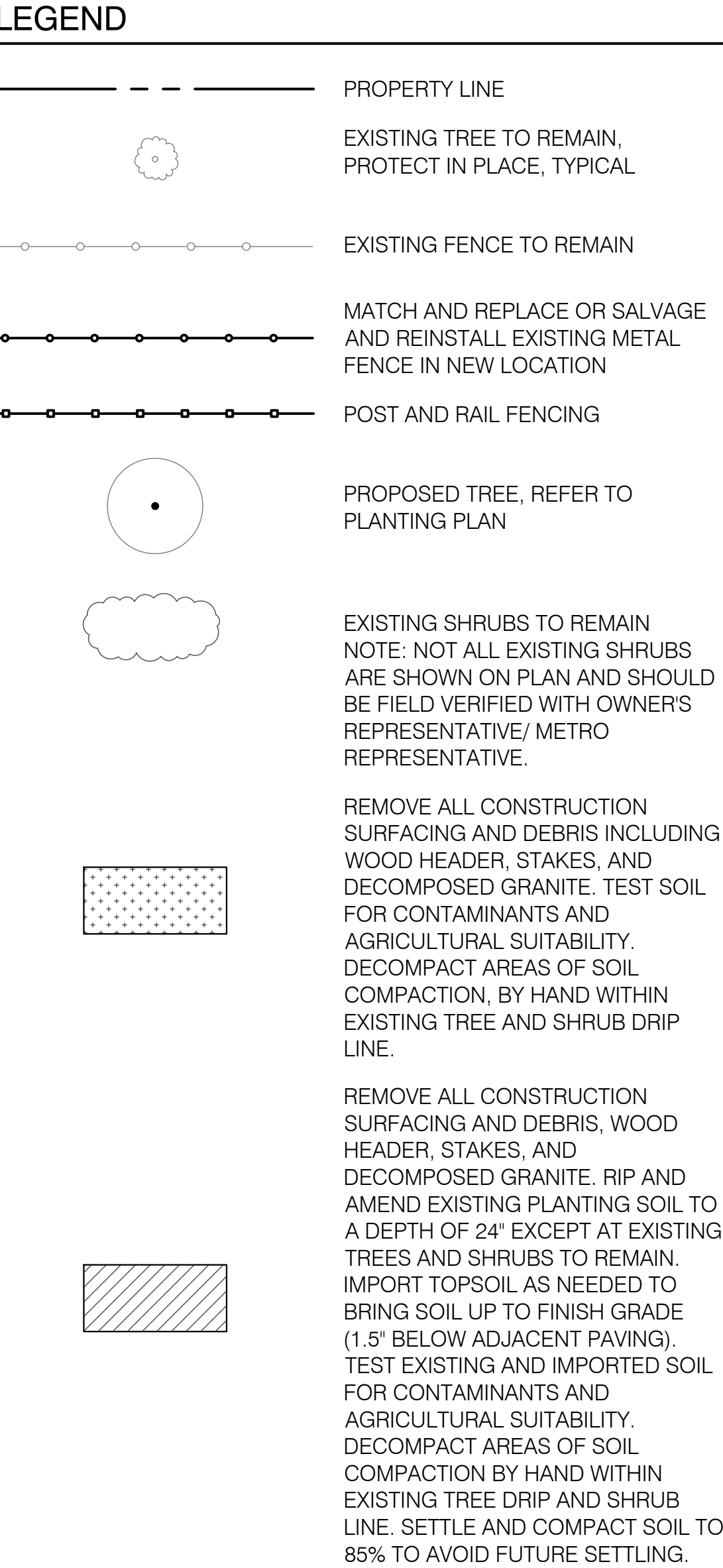
SCOTTS VALLEY WATER DISTRICT
SANTA CRUZ COUNTY, CALIFORNIA
**SCOTTS VALLEY TRANSIT CENTER
LID RETROFIT PROJECT - PHASE 2**

Kennedy Jenks

MISCELLANEOUS
CIVIL DETAILS AND SECTIONS - 4

SCALE	NTS
JOB NO	2468009.00
DATE	MAY 2024
SHEET	11 OF 27
	C9.4

[illegible]



NOTES:

1. PRESERVE AND PROTECT ALL EXISTING TREES DURING CONSTRUCTION UNLESS NOTED OTHERWISE, SEE SHEET L0.1 AND SECTION 31 12 00.

BACKGROUND SITE INFORMATION SHOWN IS BASED ON A PREVIOUSLY PREPARED SURVEY AND AND FIELD OBSERVATIONS, AND MAY NOT BE ACCURATE. FIELD VERIFY ALL EXISTING CONDITIONS.



**JONI L. JANECKI
& ASSOCIATES**

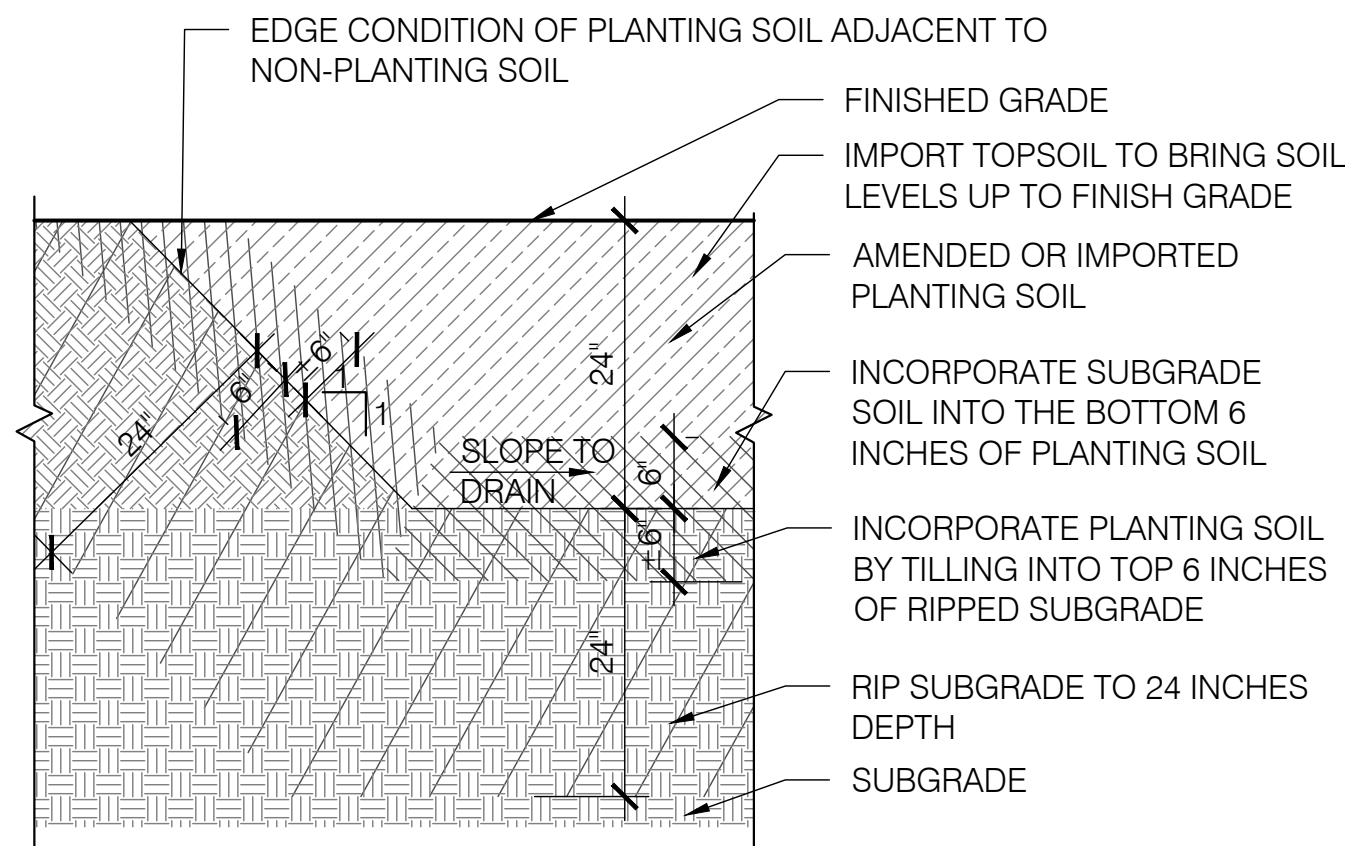
515 SWIFT ST. SANTA CRUZ CA 95060
PHONE 831.423.6040 | WWW.JLJA.COM
California Landscape Architect License 31457

ISSUED FOR BID					<div>SCALES</div> <div><div><div></div><div>0</div></div><div><div></div><div>1"</div></div></div> <div><div><div></div><div>0</div></div><div><div></div><div>25mm</div></div></div> <div>IF THIS BAR IS NOT DIMENSION SHOWN, ADJUST SCALES ACCORDINGLY.</div>	<div><div><div>LANDSCAPE</div><div>PROFESSIONAL ENGINEER</div><div>SCOTT VALLEY WATER DISTRICT</div><div>NO. 2463</div><div>EXP. 2/24/24</div><div>SANTA CRUZ COUNTY, CALIFORNIA</div></div></div>	DESIGNED	<div><div></div></div> <div>SCOTTS VALLEY WATER DISTRICT SANTA CRUZ COUNTY, CALIFORNIA</div>	SCOTTS VALLEY TRANSIT CENTER LID RETROFIT PROJECT - PHASE 2	LANDSCAPE SOILS AND MATERIALS PLAN	SCALE	
							GL				1"=20'-0"	
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							MO/MR					2468009.00
										DATE		
											MAY 2024	
											SHEET 14 OF 27	
											L1.0	
	NO	REVISION	DATE	BY					<div><div>KJ</div><div>Kennedy Jenks</div></div>			



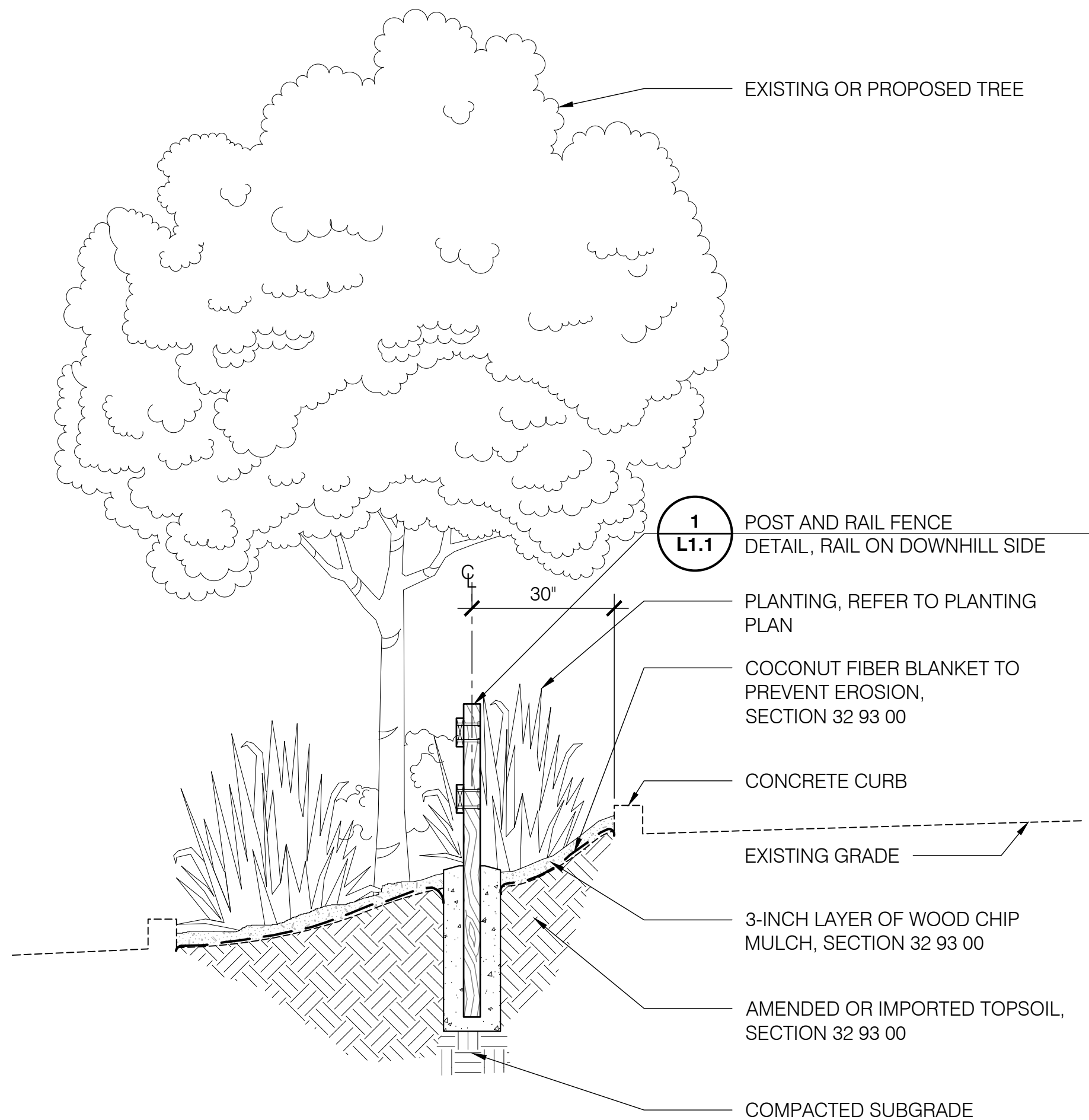
4 EXISTING METAL FENCE

1" = 1"



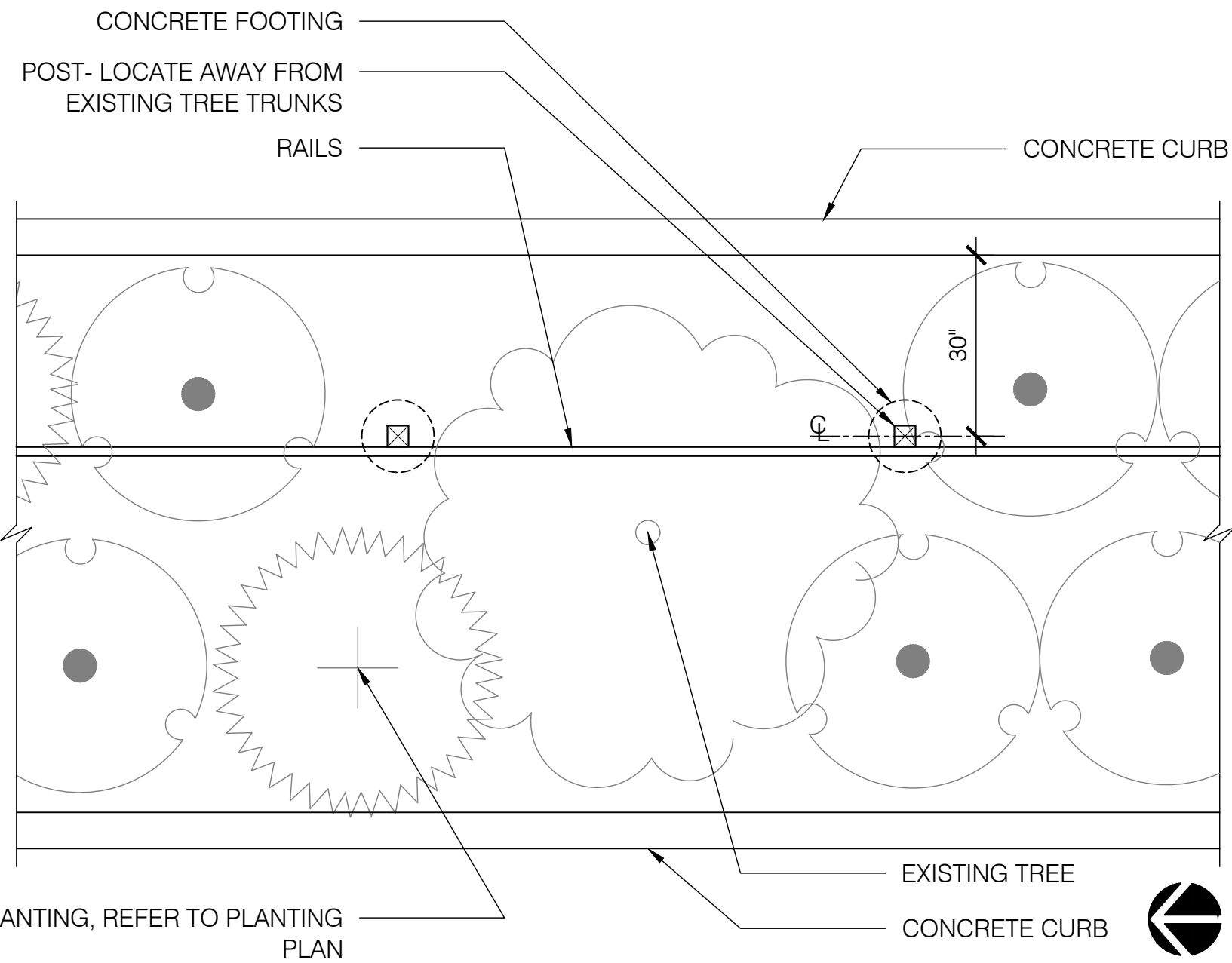
3 24-INCH PLANTING SOIL SECTION

3/4" = 1'-0"

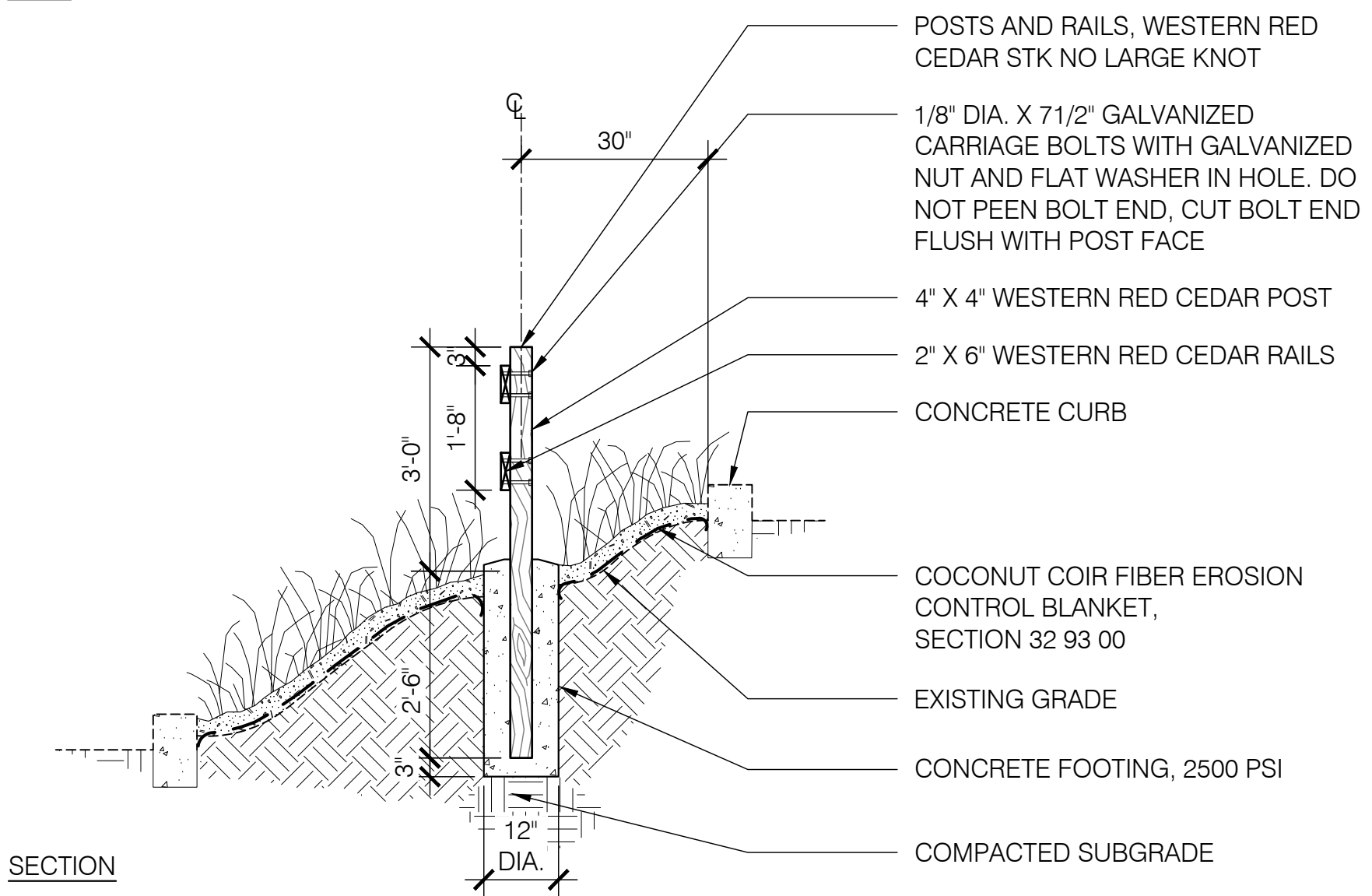


2 TIERED PARKING PLANTER SECTION

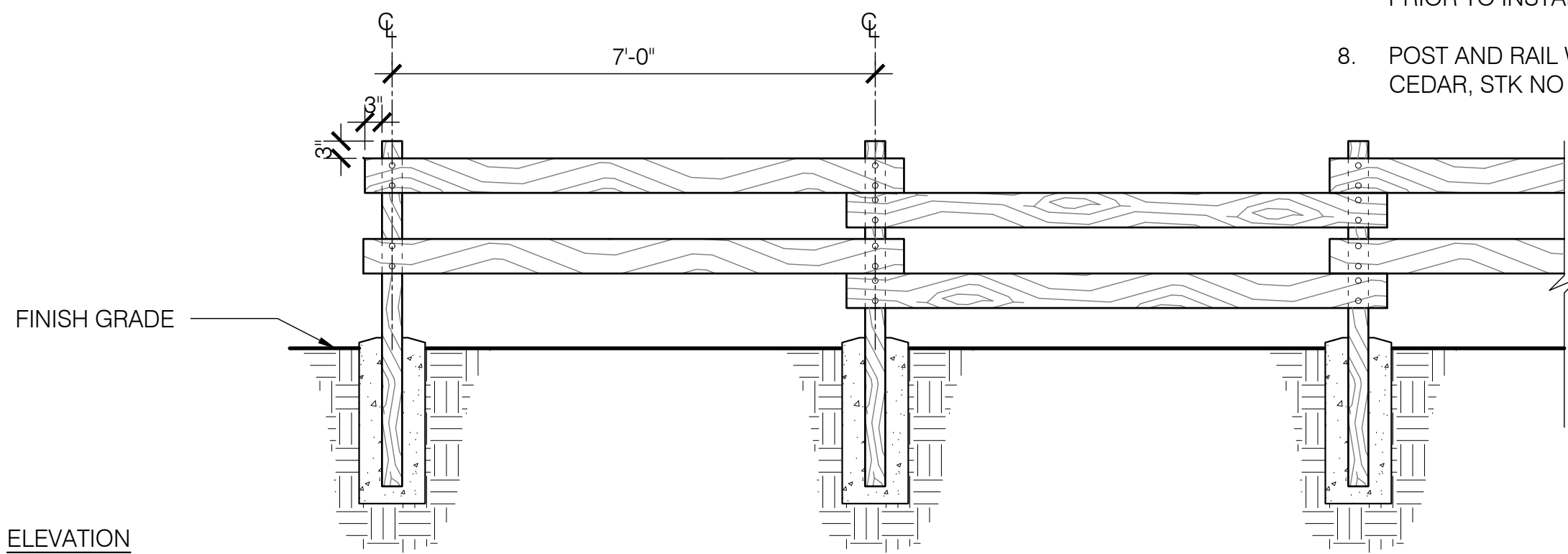
1/2" = 1'-0"



PLAN



SECTION



ELEVATION

1 POST AND RAIL FENCE DETAIL

1/2" = 1'-0"

NOTES:

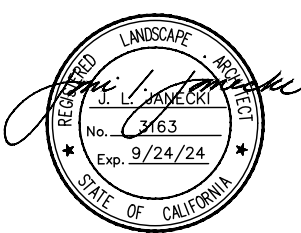
1. INSTALL ALL POSTS PLUMB AND SECURED, COMPACTION OF BACK FILL TO BE DONE IN 6" LAYERS.
2. ALL CONNECTIONS AND FASTENERS SHALL BE GALVANIZED.
3. LOCATE ALL ADJACENT UNDERGROUND UTILITIES BEFORE EXCAVATING POST HOLES.
4. INSTALL FENCE RAILS FACING DOWNHILL SIDE OF PARKING LOT.
5. CONTRACTOR SHALL REVIEW SITE CONDITIONS AND VERIFY ALL POST HOLE LOCATIONS BEFORE PROCEEDING WITH ACTUAL HAND-DUG POST HOLE EXCAVATIONS. CONTRACTOR TO LAYOUT FENCE AND REVIEW WITH OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.
6. FENCE POST LAYOUT IS TYPICAL, REFER TO PLAN AND SITE CONDITIONS FOR VARIATIONS WHERE TREES ARE PRESENT. AVOID LOCATING POSTS AT EXISTING TREES.
7. CONTRACTOR TO SUBMIT SAMPLES OF WOOD AND ATTACHMENTS, AND MOCK UP (2) TWO SEGMENTS OF CEDAR POST AND RAILS FOR ACCEPTANCE BY OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.
8. POST AND RAIL WOOD TO BE WESTERN RED CEDAR, STK NO LARGE KNOT GRADE.

ISSUED FOR BID

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NO	REVISION	DATE	BY

SCALES
0 1"
0 25mm
IF THIS BAR IS NOT
DIMENSION SHOWN,
ADJUST SCALES
ACCORDINGLY.



DESIGNED
GL
DRAWN
MO/MR
CHECKED
GL



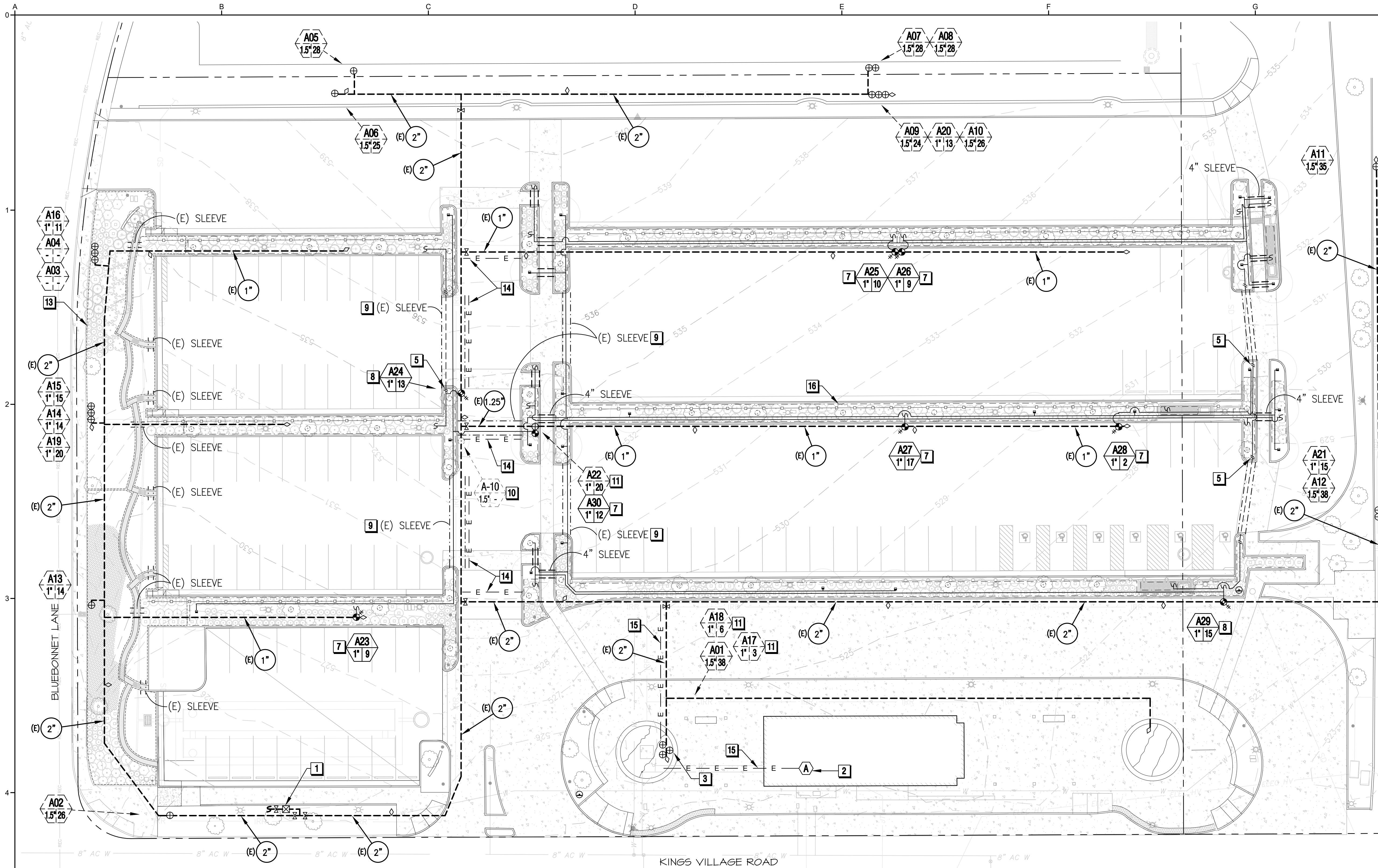
SCOTTS VALLEY WATER DISTRICT
SANTA CRUZ COUNTY, CALIFORNIA
**SCOTTS VALLEY TRANSIT CENTER
LID RETROFIT PROJECT - PHASE 2**

KJ Kennedy Jenks

MATERIALS DETAILS

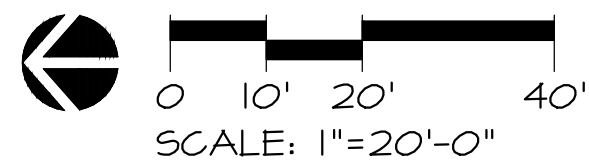
SCALE	AS NOTED
JOB NO	2468009.00
DATE	MAY 2024
SHEET	15 OF 27
	L1.1

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& ASSOCIATES**
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California Landscape Architect License 3163



- ### SHEET NOTES
- 1 IRRIGATION POINT OF CONNECTION: (E) IRRIGATION RECYCLED WATER CONNECTION AND (E) BACKFLOW ASSEMBLY TO REMAIN IN SERVICE. INSPECT (E) BACKFLOW TO BE A REDUCED PRESSURE PRINCIPAL BACKFLOW ASSEMBLY AND CHECK FOR PROPER OPERATION. IF UNIT IS NOT WORKING OR IN DISREPAIR CONTACT THE SV WATER DISTRICT FOR FURTHER INSTRUCTIONS. IRRIGATION DEMAND: 40 GPM AT 65 PSI STATIC RECYCLED WATER PRESSURE. (DEMAND IS BASED UPON PREVIOUS IRRIGATION WORK.)
 - 2 IRRIGATION CONTROLLER: REMOVE (E) WALL MOUNT CONTROLLER AND REPLACE WITH THE SPECIFIED CONTROLLER AND WEATHER SENSOR AS DETAILED. USE THE (E) CONTROL WIRES IN (E) BUILDING CONDUIT OR DIRECT BURIED FOR (N) IRRIGATION VALVES. ADD (N) WIRES AS NEEDED. A WIFI SIGNAL IS REQUIRED.
 - 3 (E) CONTROL VALVES, LATERAL PIPE, AND IRRIGATION TO (E) LANDSCAPE TO REMAIN IN SERVICE (TYP.)
 - 4 (NOT USED)
 - 5 CONNECT TO (E) LATERAL PREVIOUSLY USED FOR SHRUB SPRAY UNDER PAVED AREAS OR INSTALL (N) LATERAL WHERE (E) SLEEVES ARE AVAILABLE, VERIFY IN FIELD (TYP.)
 - 6 (NOT USED)
 - 7 INSTALL ADDITIONAL CONTROL VALVE FOR SHRUB EMITTER ZONE OR TREE BUBBLER ZONE IN LOCATION AS SHOWN. LOCATE SPARE CONTROL WIRE OR INSTALL AND RUN (N) WIRE FROM (N) CONTROLLER (TYP.) AS NEEDED.
 - 8 REMOVE (E) CONTROL VALVE AND SALVAGE (E) CONTROL WIRE. INSTALL (N) CONTROL VALVE ON (E) MAIN LINE RISER. USE (E) CONTROL WIRE AND RECONNECT, TYP.
 - 9 USE (E) LATERAL PIPE OR INSTALL (N) LATERAL PIPE AT (E) PAVING. VERIFY THE EXISTENCE OF A SLEEVE OR BORE UNDER PAVING AS REQUIRED, TYP. ALSO SEE NOTE 14.
 - 10 (E) CONTROL VALVE TO BE PUT OUT OF SERVICE AND REMOVED. ASSIGN STATION NUMBER TO (N) VALVE IN (N) LOCATION (TYP.)
 - 11 (E) CONTROL VALVE AND TREE BUBBLER ZONE TO REMAIN IN SERVICE, AS-IS.
 - 12 (NOT USED)
 - 13 THIS AREA CONSISTS OF (E) IRR DRIPLINE. REPAIR/REPLACE (E) IRR DRIPLINE AS NEEDED TO PROVIDE UNIFORM IRR FOR NEW PLANTING.
 - 14 (N) SLEEVE OR CONDUIT (N) LATERAL PIPE CONTROL WIRE RUN: FIRST DETERMINE IN THE FIELD IF A SLEEVE OR CONDUIT EXISTS FOR USE. IF NOT, PER THE DISTRICT'S DIRECTIONS: CUT THE (E) ASPHALT, TRENCH, INSTALL CONDUIT, SIZE AS NEEDED, BACKFILL, COMPACT, REPLACE ASPHALT, AND INSTALL WIRE. BEWARE OF (E) UTILITIES WHEN TRENCHING.
 - 15 (E) SLEEVES OR CONDUIT UNDER CONCRETE ROADWAY: DO NOT DISTURB (E) CONCRETE ROADWAY. POT HOLE IN SOIL AREA AND LOCATE (E) SLEEVE OR CONDUIT FOR (E) CONTROL WIRE RUN. USE THIS SLEEVE OR CONDUIT TO RUN (N) CONTROL WIRES TO (N) CONTROLLER. IF AN (E) SLEEVE OR CONDUIT CANNOT BE FOUND UNDER CONCRETE DRIVE, CONFER WITH THE DISTRICT FOR OPTIONS.
 - 16 INSTALL A DRIPLINE RING OF TUBING (PER LEGEND) AROUND (E) TREE FROM SHRUB DRIPLINE ZONE. DIAMETER OF RING TO BE EQUAL TO CANOPY OF (E) TREE. TYPICAL FOR (E) TREES WITHIN THIS CONTRACT WORK AREA. NOTE: (E) TREES ARE ESTABLISHED AND THIS DRIPLINE RING WILL PROVIDE SUPPLEMENTAL WATERING.

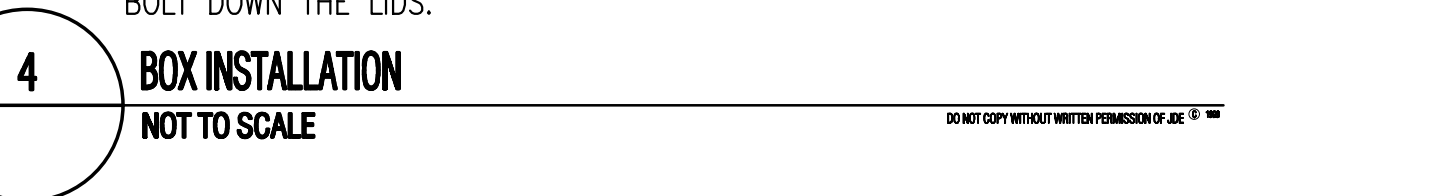
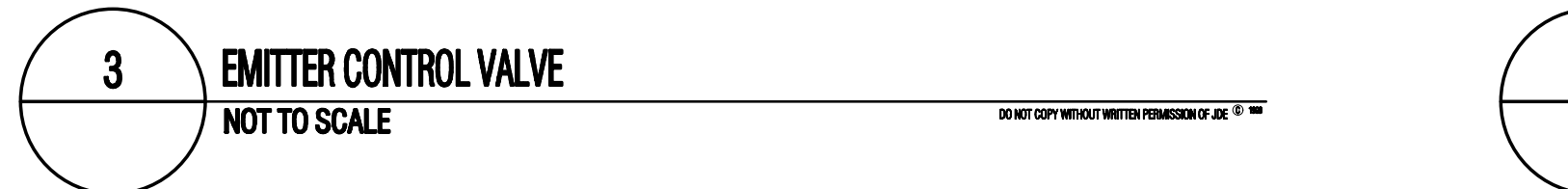
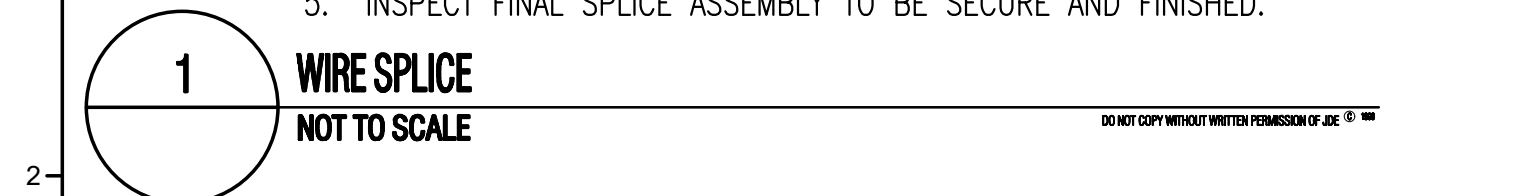
WATER SOURCE NOTE: THIS PROJECT WILL BE USING A RECYCLED WATER SOURCE FOR IRRIGATION WATER.



JDE
JAMES D. EDDY ASSOCIATES
LANDSCAPE IRRIGATION ENGINEERS
P.O. BOX 2291
DANVILLE, CALIFORNIA 94526
P: (925) 867-3339
EMAIL: JDE@EDDYASSOCIATES.COM
PLANNING-DESIGN-MANAGEMENT
JDE PROJECT NO: 24005

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California Landscape Architect License 3163

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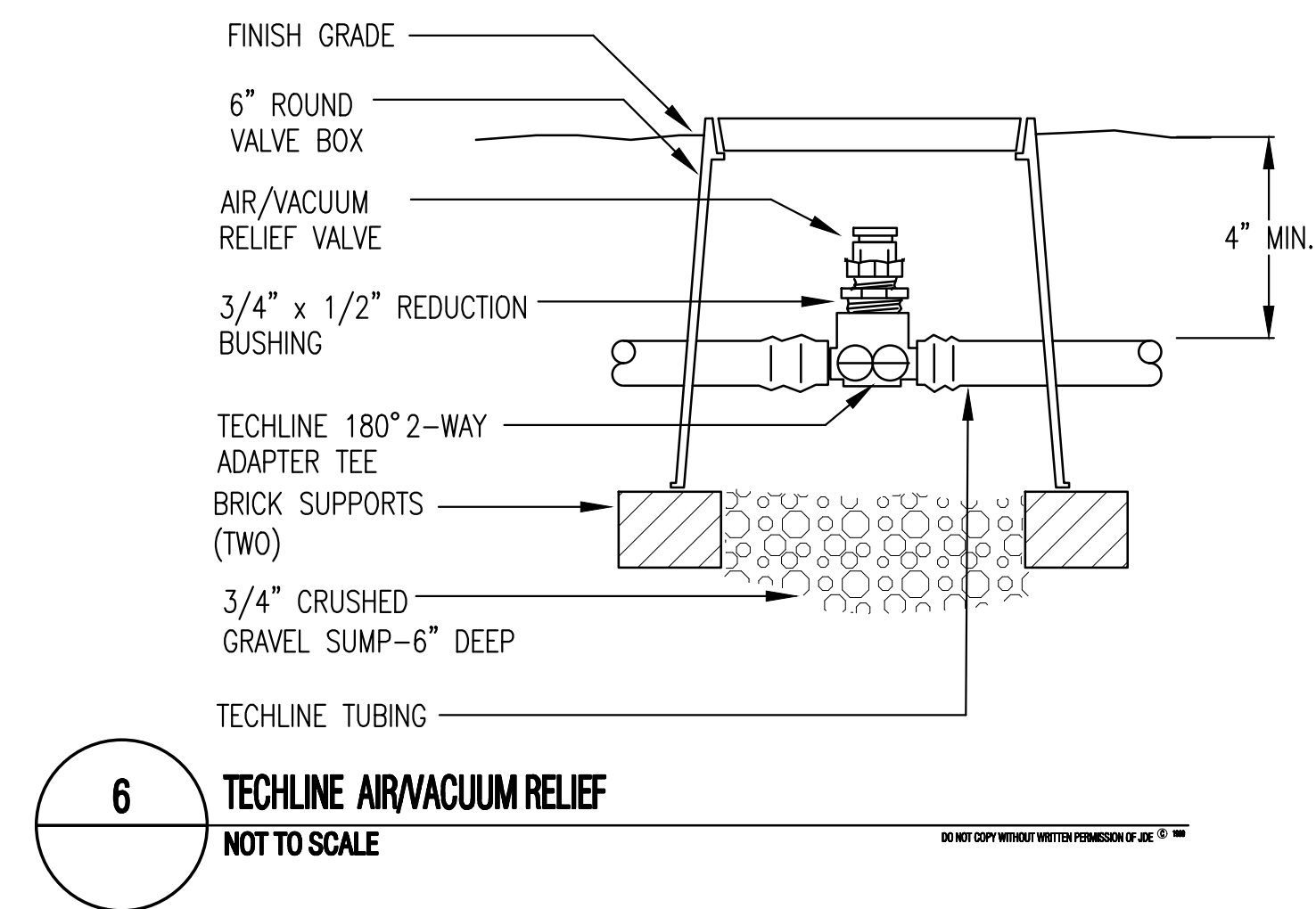
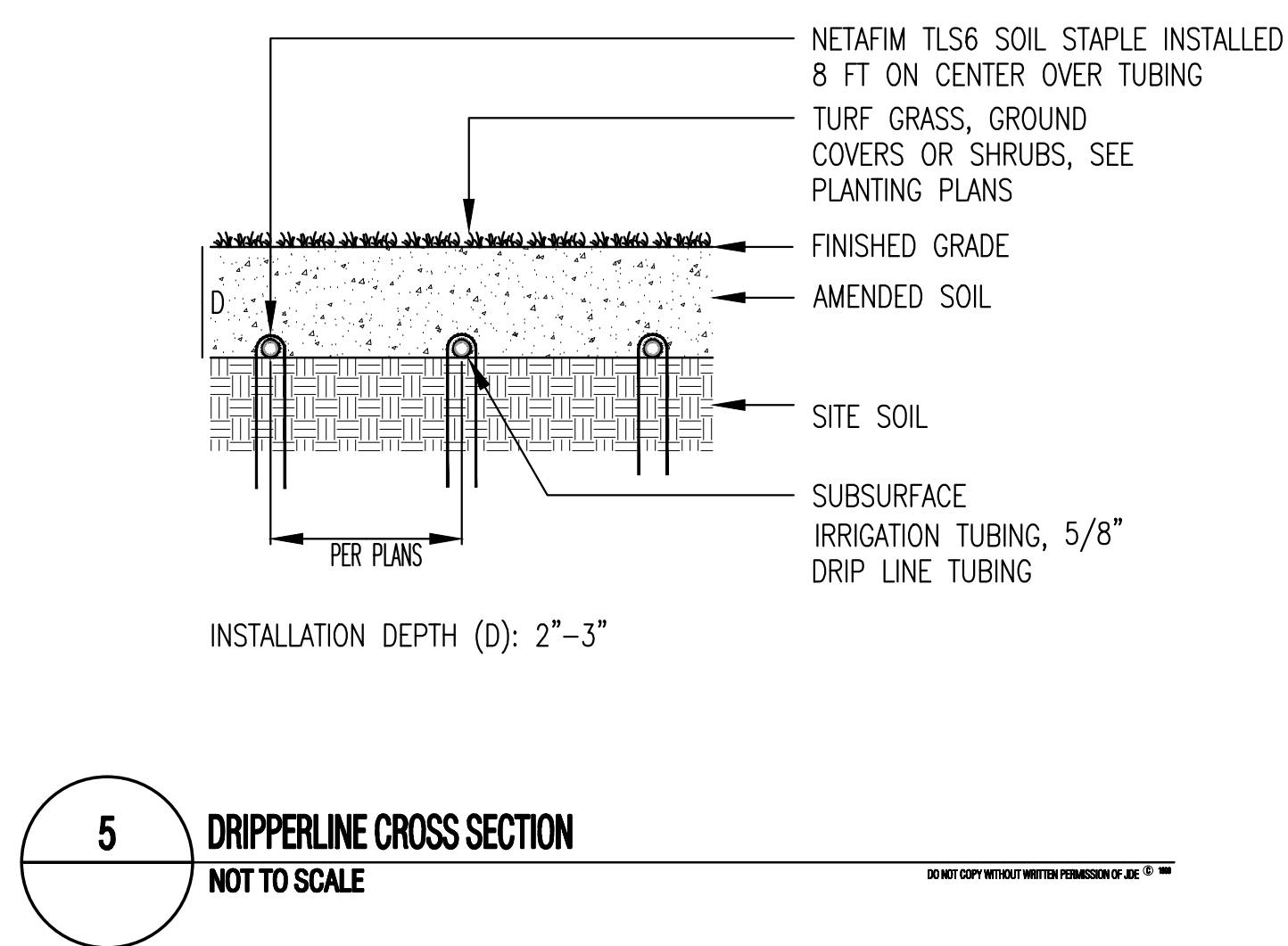
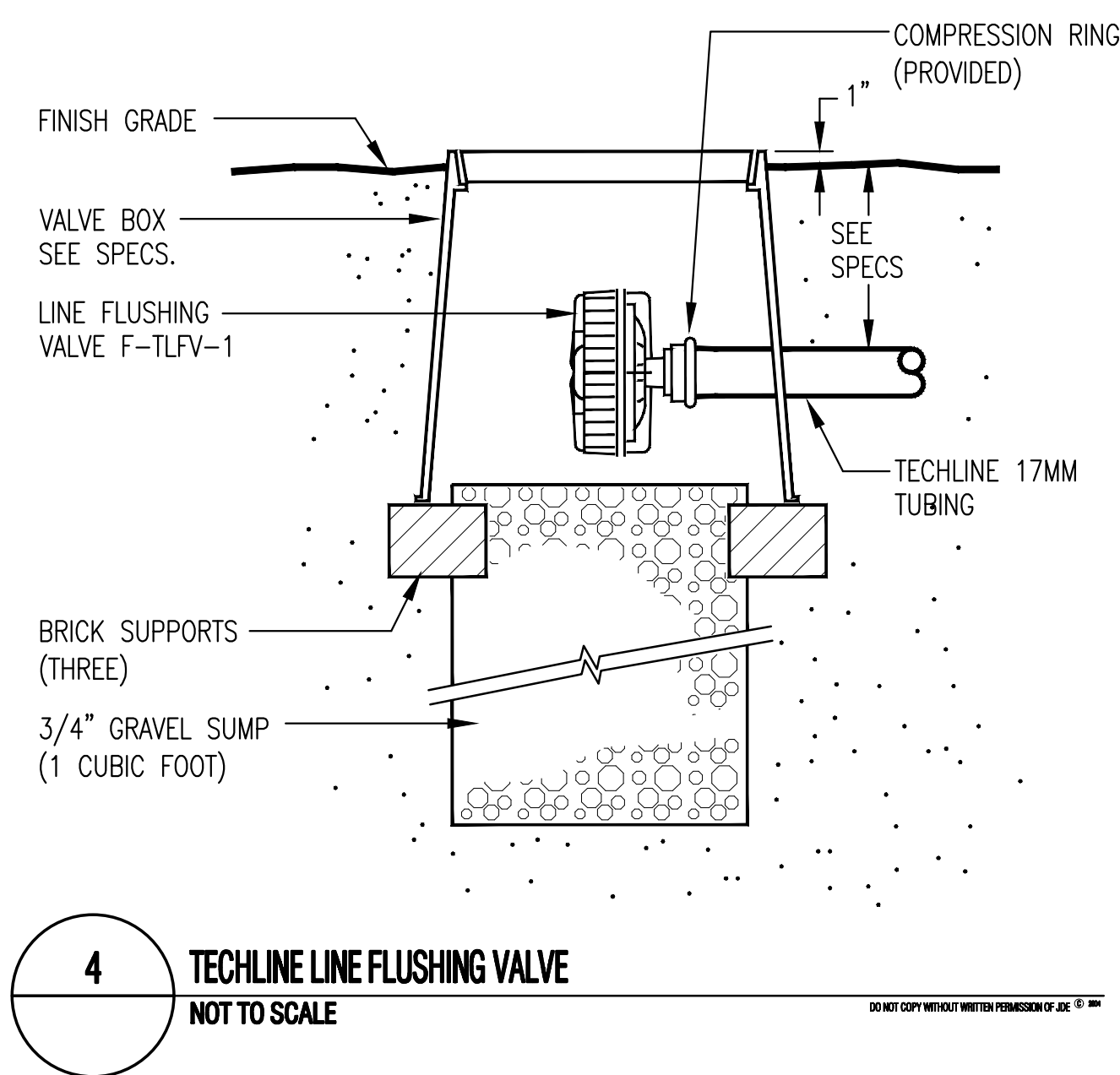
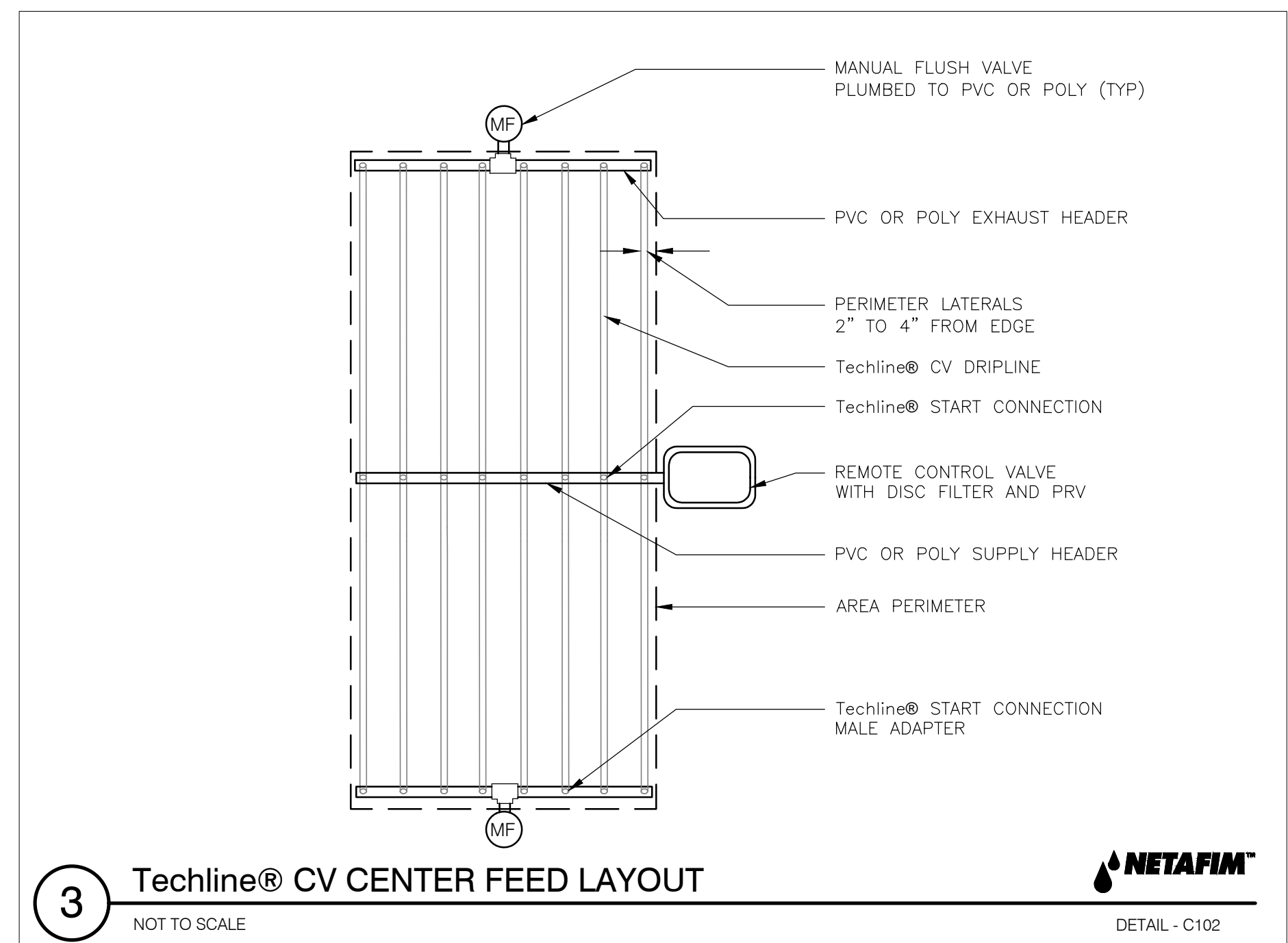
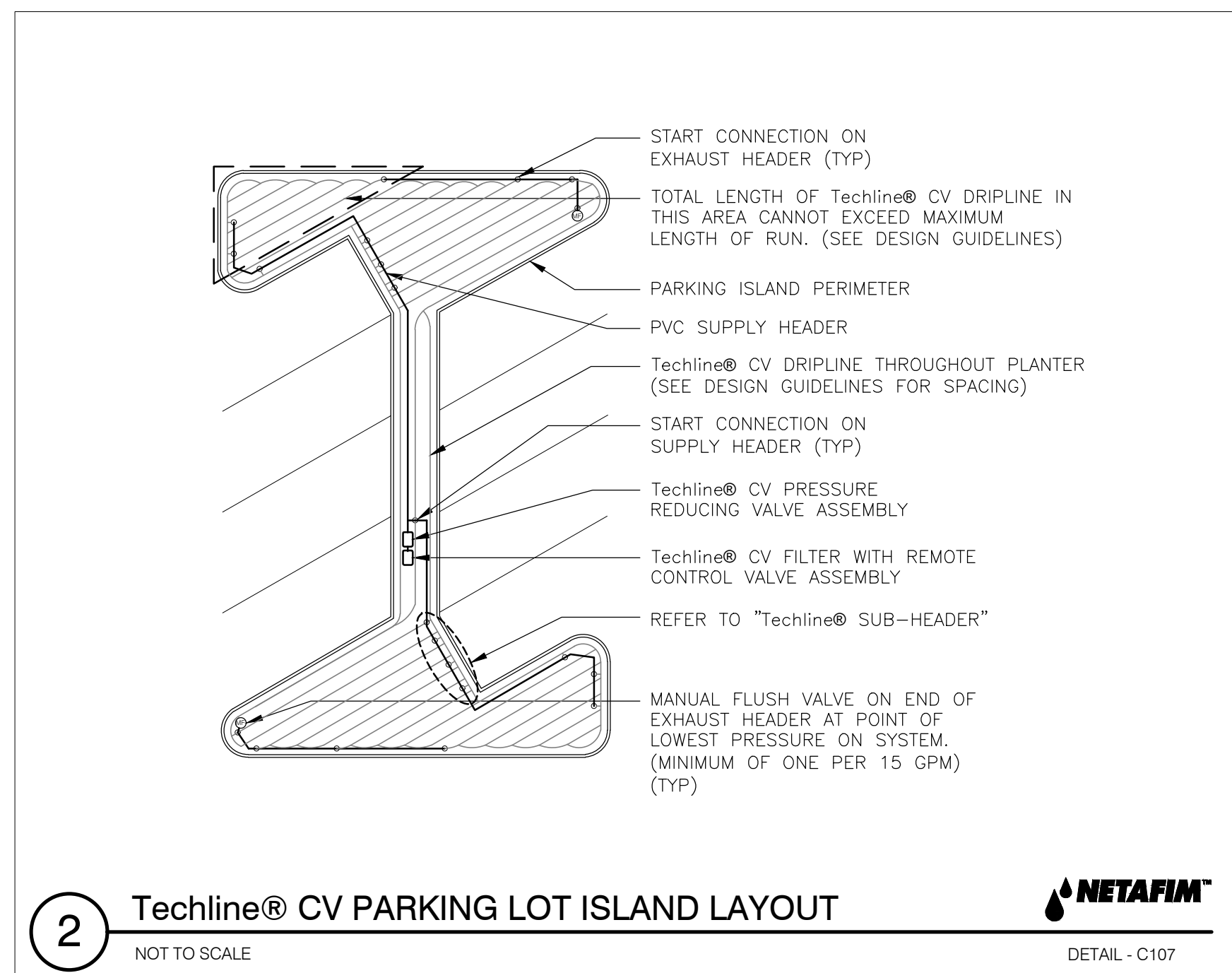
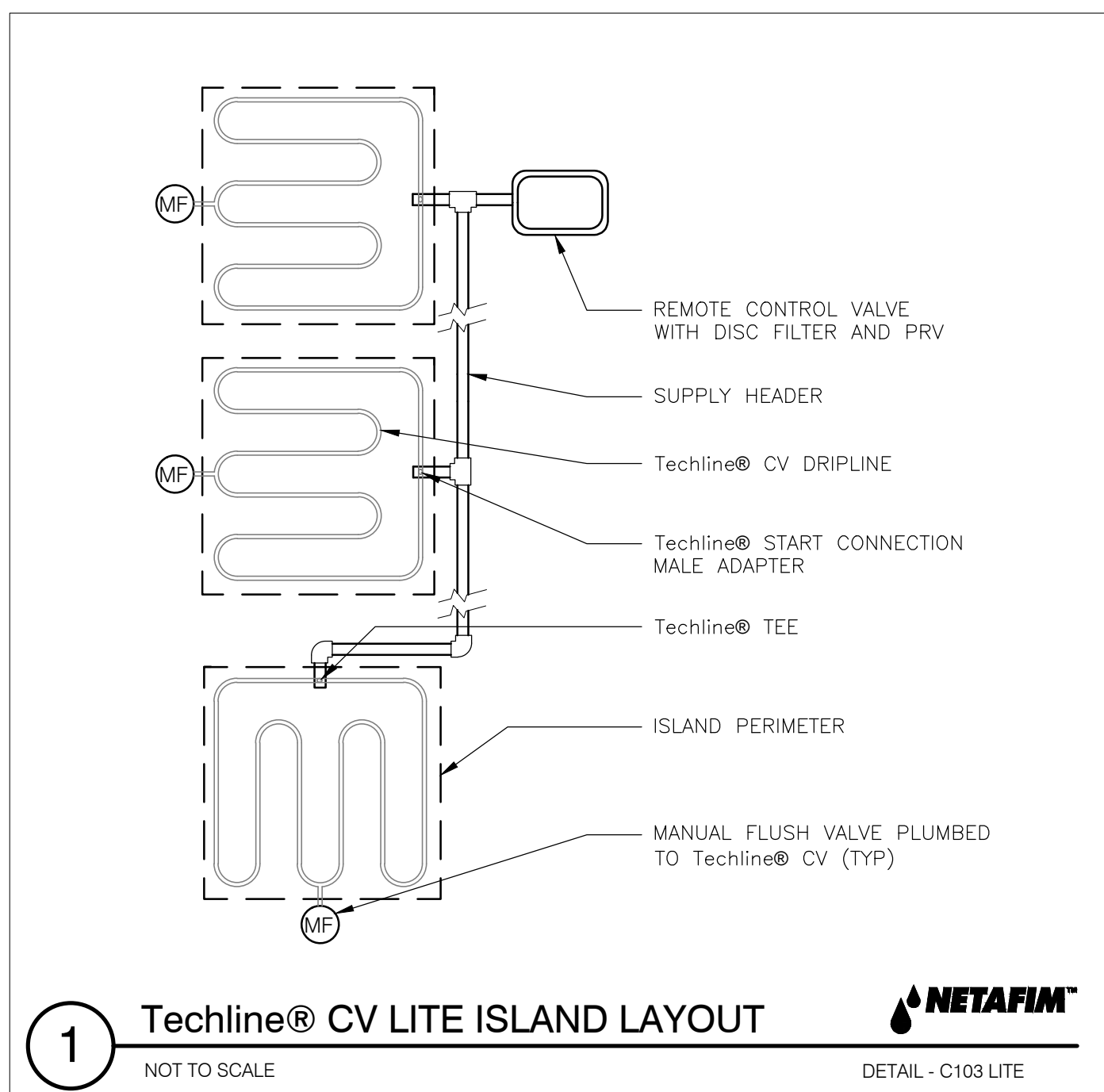







1. (E) CONTROLLER. MOUNT (N) CONTROLLER IN THE ORIGINAL LOCATION.
2. INTERIOR FLOOR
3. (E) UL APPROVED ELECTRICAL CONDUIT AND JUNCTION BOX WITH 120 VAC SERVICE. VERIFY IN THE FIELD.
4. (E) PVC SCH. 40 ELECTRICAL CONDUIT AND SWEEP ELLS. VERIFY IN THE FIELD.
5. CONDUIT TO EXTERIOR PLANTER. VERIFY IN THE FIELD.
6. 14 AWG-UF CONTROL WIRE TO REMOTE CONTROL VALVES
7. INTERIOR SURFACE FOR MOUNTING OF CONTROLLER
8. LOCKABLE ON/OFF SWITCH FOR CONTROLLER SERVICE. VERIFY IN THE FIELD. PROVIDE IF NOT PRESENT.
9. (E) PLASTIC LB BOX FOR WIRE PULL THOUGH THE WALL. VERIFY IN THE FIELD.
10. NOTE: USE EXPANDING INSULATION FOAM TO SEAL CONDUIT AT INTERIOR AND EXTERIOR WALL OR CONSTRUCT AS DIRECTED BY GENERAL CONTRACTOR.
11. NOTE: ELECTRICAL WORK MUST CONFORM TO ELECTRICAL CODES. REFER TO HUNTER'S INSTALLATION INSTRUCTIONS FOR FURTHER REQUIREMENTS.

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<p style="text-align: center; font-size: 24pt; font-weight: bold;">ISSUED FOR BID</p>					<p style="text-align: center;">SCALES</p> <p>0 1"</p> <p>0 25mm</p> <p>IF THIS BAR IS NOT DIMENSION SHOWN, ADJUST SCALES ACCORDINGLY.</p>		DESIGNED	<p style="text-align: center;">SCOTTS VALLEY WATER DISTRICT SANTA CRUZ COUNTY, CALIFORNIA</p>	<p style="text-align: center; font-size: 18pt; font-weight: bold;">SCOTTS VALLEY TRANSIT CENTER LID RETROFIT PROJECT - PHASE 2</p>	<p style="text-align: center; font-size: 24pt; font-weight: bold;">IRRIGATION DETAILS</p>	SCALE	AS NOTED
							DRAWN				JOB NO	2468009.00
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							JE					L2.2
	NO	REVISION	DATE	BY								



ISSUED FOR BID					<p>SCALES</p> <p>0  1"</p> <p>0  25mm</p> <p>IF THIS BAR IS NOT DIMENSION SHOWN, ADJUST SCALES ACCORDINGLY.</p>		DESIGNED	 <p>SCOTTS VALLEY WATER DISTRICT SANTA CRUZ COUNTY, CALIFORNIA</p> <p>SCOTTS VALLEY TRANSIT CENTER LID RETROFIT PROJECT - PHASE 2</p>	<p>IRRIGATION DETAILS</p>	SCALE	AS NOTED
	<p>ANY PRINTS NOT BEARING THIS STAMP MAY HAVE BEEN PRINTED PRIOR TO ADVERTISING AND CANNOT BE CONSIDERED AS BID DOCUMENTS. USERS OF THIS DOCUMENT IN EDITABLE ELECTRONIC FORMATS ARE CAUTIONED AGAINST USE WITHOUT FIRST DETERMINING WHETHER CHANGES MAY HAVE BEEN MADE SUBSEQUENT TO ITS PREPARATION.</p>										DRAWN
							ST/JE			DATE	MAY 2024
							CHECKED	 Kennedy Jenks		SHEET	19 OF 27
	NO	REVISION	DATE	BY			JE				L2.3

SCOTTS VALLEY WATER DISTRICT (SVWD)
STANDARD NOTES FOR ON-SITE RECYCLED WATER IRRIGATION SYSTEMS:

1. PRIOR TO RECEIVING RECYCLED WATER, THE SITE MUST BE PERMITTED BY SVWD. A PERMIT WILL BE GRANTED AFTER:
- INSPECTION BY SVWD HAS BEEN COMPLETED SHOWING CONFORMANCE WITH SVWD RULES AND REGULATIONS;
 - A FINAL ON-SITE INSPECTION HAS BEEN CONDUCTED TO CONFIRM THAT ALL REQUIREMENTS HAVE BEEN MET;
 - SITE HAS PASSED REQUIRED CROSS-CONNECTION TEST PERFORMED BY A CERTIFIED AWWA CROSS-CONNECTION CONTROL SPECIALIST; IF SITE IS NOT TO RECEIVE POTABLE WATER, THEN REQUIRED CROSS-CONNECTION TEST IS WAIVED;

THE OWNER'S OR TENANT'S REPRESENTATIVE MUST ALSO COMPLETE A SITE SUPERVISOR TRAINING CLASS OFFERED BY SVWD IN ORDER TO RECEIVE A PERMANENT PERMIT. IN THE INTERIM BETWEEN CONNECTION AND TRAINING, THEN THE TENANT OR OWNER WILL RECEIVE A TEMPORARY RECYCLED WATER PERMIT. CONTACT SVWD AT (831) 438-2363 FOR FURTHER INFORMATION.

2. ALL WORK SHALL CONFORM TO EXISTING REGULATIONS INCLUDING BUT NOT LIMITED TO:
- SCOTTS VALLEY WATER DISTRICT (SVWD) WATER RECYCLING PROGRAM RULES AND REGULATIONS
 - SVWD CUSTOMER ON-SITE DESIGN MANUAL
 - CALIFORNIA DEPARTMENT OF PUBLIC HEALTH REGULATIONS

3. CHANGES MADE TO THE APPROVED IRRIGATION PLANS SHALL BE SUBMITTED TO SVWD FOR REVIEW AND APPROVAL AT LEAST 2 WEEKS PRIOR TO START OF CONSTRUCTION.

4. AT LEAST TWO DAYS PRIOR TO START OF CONSTRUCTION, CONTRACTOR AND SVWD INSPECTOR SHALL HOLD A PRE-CONSTRUCTION MEETING. TO SCHEDULE MEETING, CONTACT SVWD AT (831) 438-2363.

5. NOTIFY SVWD INSPECTOR A MINIMUM OF AT LEAST 24 HRS BEFORE WORK BEGINS. SVWD INSPECTOR MUST INSPECT AND/OR VERIFY:

- PRESENCE OF PROPER BACKFLOW PREVENTION AT ALL POTABLE POINTS OF CONNECTION
- NEW UNDERGROUND PIPING (LABELING, CLEARANCES, BURIAL DEPTH, SLEEVING);
- PRESSURE TEST
- INSTALLATION OF SIGNS, TAGS, AND CONTROLLER DECALS
- SITE PASSED A CROSS-CONNECTION TEST PERFORMED BY A CERTIFIED AWWA CROSS-CONNECTION SPECIALIST
- NEW METER INSTALLATION
- COVERAGE TEST

6. NO CROSS-CONNECTIONS BETWEEN THE POTABLE AND RECYCLED WATER SYSTEMS ARE PERMITTED.

7. ALL ON-SITE BURIED RECYCLED WATER PIPING SHALL BE IDENTIFIED BY ONE OF THE FOLLOWING METHODS:
- USING PURPLE-COLORED PVC PIPE WITH CONTINUOUS WORDING: "CAUTION - RECYCLED WATER" PRINTED ON OPPOSITE SIDES OF THE PIPE; PIPE SHALL BE LAID WITH WORDING FACING UPWARDS.
 - WARNING TAPE WITH A MINIMUM WIDTH OF 3 INCHES READING: "CAUTION - RECYCLED WATER" (IN BLACK OR WHITE LETTERING ON PURPLE BACKGROUND) SHALL RUN CONTINUOUSLY ON TOP OF PIPING AND SHALL BE ATTACHED TO PIPING WITH PLASTIC TAPE BANDED AROUND THE WARNING TAPE AND THE PIPE EVERY 5 FEET ON CENTER

8. PVC PIPE: CONSTANT-PRESSURE MAIN LINE PIPING 1 1/2 INCHES AND SMALLER SHALL BE SCHEDULE 40; CONSTANT-PRESSURE MAINLINE PIPING 2 INCHES AND LARGER SHALL BE CLASS 315; INTERMITTENT-PRESSURE LATERAL PIPING SHALL BE SCHEDULE 40 OR CLASS 200. COPPER PIPE SHALL BE TYPE "K".

9. ALL ON-SITE RECYCLED WATER PIPING SHALL BE BURIED TO A MINIMUM DEPTH FROM FINISHED GRADE TO TOP OF PIPE (MINIMUM COVER) OF:

- | | |
|---|-----------|
| A. PRESSURIZED LINES 3 INCHES AND LARGER | 24 INCHES |
| B. PRESSURIZED LINES 2 1/2 INCHES AND SMALLER | 18 INCHES |
| C. INTERMITTENT-PRESSURE LINES | 12 INCHES |

10. ALL RECYCLED WATER PIPING OTHER THAN PVC PIPING WITH SOLVENT WELDED JOINTS SHALL BE PROTECTED AGAINST MOVEMENT WITH THRUST BLOCKS OR RESTRAINED JOINTS OR OTHER APPROVED METHOD PER SVWD DETAILS.

11. MAINTAIN A 10-FOOT HORIZONTAL SEPARATION BETWEEN BURIED PRESSURIZED RECYCLED WATER IRRIGATION PIPING AND BURIED POTABLE WATER PIPING UNLESS OTHERWISE NOTED. AT PIPE CROSSINGS, BURIED PRESSURIZED RECYCLED WATER IRRIGATION PIPING MUST BE 12 INCHES BELOW POTABLE WATER LINES. IF RECYCLED WATER PIPING MUST CROSS OVER POTABLE WATER LINES, THE RECYCLED WATER PIPING SHALL BE AT LEAST 12 INCHES ABOVE THE POTABLE LINES AND SHALL BE INSTALLED IN A PIPE SLEEVE WHICH EXTENDS A MINIMUM OF 10 FEET ON EITHER SIDE OF THE POTABLE WATER PIPING.

12. ALL RECYCLED WATER SYSTEM REMOTE CONTROL VALVES, ISOLATION VALVES, QUICK COUPLING VALVES, STRAINERS, AND PRESSURE REGULATING ING VALVES SHALL BE INSTALLED BELOW GRADE IN VALVE BOXES. GREEN OR PURPLE-COLORED PLASTIC BOXES AND LIDS ARE ACCEPTABLE. VALVE BOXES SHALL HAVE A WARNING LABEL PERMANENTLY ATTACHED OR AFFIXED TO THE LID WITH RIVETS, SCREWS, OR BOLTS. WARNING LABELS SHALL BE PER SVWD STANDARD DETAIL RW-37.

13. NO HOSE BIBS ARE ALLOWED ON THE RECYCLED WATER IRRIGATION SYSTEM. ANY EXTERIOR HOSE BIBS SERVED WITH POTABLE WATER MUST BE LABELED PER SVWD STANDARD DETAIL RW-35.

14. ALL RECYCLED WATER METERS, DEVICES, AND VALVES - ISOLATION VALVES, IRRIGATION CONTROLLERS, REMOTE CONTROL VALVES, PRESSURE REDUCING VALVES, QUICK COUPLING VALVES, FLOW SENSORS, ETC. - SHALL BE TAGGED PER SVWD STANDARD DETAILS RW-35 AND RW-37..

15. LABEL ALL POTABLE WATER METERS AND ABOVE GROUND POTABLE WATER PIPES/ DEVICES (BACKFLOW PREVENTERS, HOSE BIBS, ETC.) WITH TAGS OR LABELS READING: "POTABLE WATER" IN BLACK LETTERS ON BLUE BACKGROUND, PER SVWD DETAIL RW-35.

16. ALL RECYCLED WATER IRRIGATION SYSTEMS SHALL HAVE THE FOLLOWING:
- A WYE STRAINER (WITH A 20-MESH OR FINER SCREEN) INSTALLED AS CLOSE AS PRACTICABLE TO THE RECYCLED WATER METER BOX.
 - A PRESSURE REDUCING VALVE INSTALLED IMMEDIATELY DOWNSTREAM OF THE STRAINER (UNLESS OTHERWISE DIRECTED BY SVWD).
 - THESE COMPONENTS SHALL BE INSTALLED WITH ISOLATION VALVES TO FACILITATE MAINTENANCE.

17. RECYCLED WATER ADVISORY SIGNS SHALL BE PER SVWD STANDARD DETAIL RW-36 AND SHALL BE POSTED PER LOCATIONS SHOWN ON IRRIGATION PLANS.

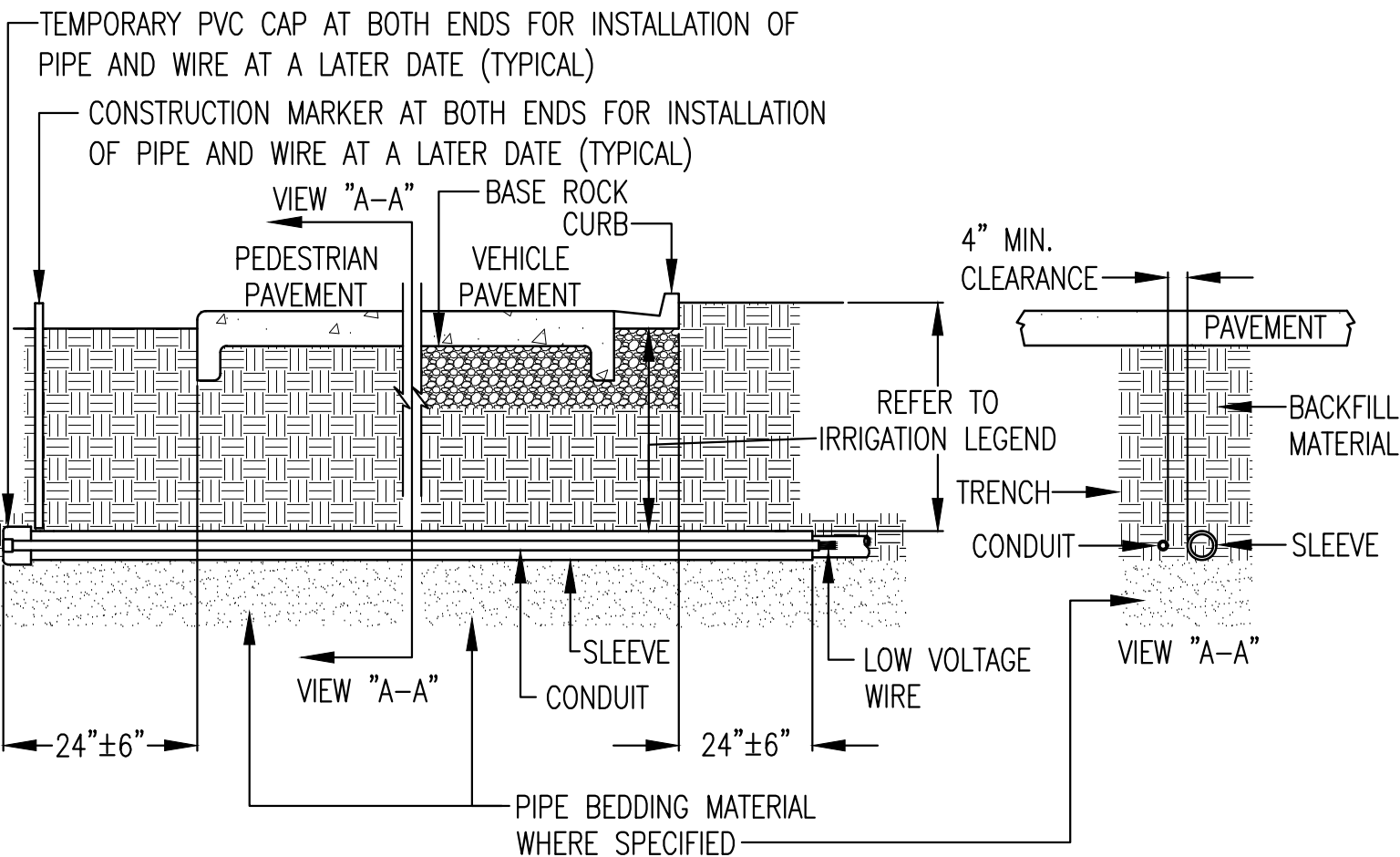
18. INSTALLATION OF DIRECT INJECTION SYSTEMS ON THE RECYCLED WATER IRRIGATION SYSTEM IS NOT PERMITTED.

19. NO DRINKING FOUNTAINS OR EATING AREAS ARE ALLOWED IN THE APPROVED RECYCLED WATER USE AREA UNLESS ADEQUATELY PROTECTED FROM OVERSPRAY.

20. ALL RECYCLED WATER METERS WILL BE SET BY SVWD AFTER THE SITE'S OWNER, DEVELOPER, OR CONTRACTOR HAS APPLIED FOR RECYCLED WATER SERVICE, THE WATER SERVICE AGREEMENT HAS BEEN APPROVED, AND ALL APPLICABLE FEES HAVE BEEN PAID.

21. NO OVERSPRAY OR RUNOFF OF RECYCLED WATER IS ALLOWED ON ANY NON-APPROVED USE AREA. PONDING OF RECYCLED WATER DUE TO IRRIGATION IS NOT ALLOWED IN ANY AREA. UPON RECEIVING RECYCLED WATER, THE ON-SITE RECYCLED WATER IRRIGATION SYSTEM MUST PASS A COVERAGE TEST PERFORMED BY SVWD INSPECTOR.

22. CONTRACTOR SHALL SUBMIT AS-BUILT IRRIGATION PLANS TO SVWD WITHIN 90 DAYS OF SITE RECEIVING RECYCLED WATER.



LEGEND:

SLEEVE: 1120-SCHEDULE 40 OR CLASS 200 PSI PVC PLASTIC PIPE WITH SCHEDULE 40 PVC COUPLINGS AS REQUIRED. SELECT PVC SLEEVE MATERIAL WITH THE THICKEST WALL DIMENSION. 18" UNDER PEDESTRIAN PAVEMENT; COLOR AS SPECIFIED. 24" COVER MINIMUM - 36" MAXIMUM (SEE LEGEND) UNDER VEHICULAR PAVEMENT, MEASURED FROM TOP OF SLEEVE TO FINISH GRADE OR TOP OF BASE ROCK. PROVIDE SOLVENT WELDED AND WATERTIGHT JOINTS.

CONDUIT: 1120-SCHEDULE 40 PVC GREY ELECTRICAL CONDUIT WITH SCHEDULE 40 PVC GREY COUPLINGS AS REQUIRED. 18" UNDER PEDESTRIAN PAVEMENT; 24" COVER MINIMUM - 36" MAXIMUM (SEE LEGEND) UNDER VEHICULAR PAVEMENT, MEASURED FROM TOP OF SLEEVE TO TOP OF BASE ROCK. PROVIDE SOLVENT WELDED AND WATERTIGHT JOINTS.

SLEEVING AND CONDUIT INSTALLATION NOTES:

1. INSTALL SLEEVE AND CONDUIT STRAIGHT AND LEVEL.
2. EXTEND SLEEVE AND CONDUIT 24" BEYOND INSIDE FACE OF CURB OR EDGE OF PAVED SURFACE.
3. PROVIDE BED FOR SLEEVE AND CONDUIT, SMOOTH AND FREE OF LARGE ROCKS OR ABRASIVE OBJECTS.
4. IF SLEEVE LENGTH IS GREATER THAN 17': INSTALLATION OF MULTIPLE PIPES BY SLIDING THEM THROUGH THE SLEEVE MAY BE HINDERED BY PIPE COUPLINGS. INSTALL MULTIPLE PIPES WITHIN THE SLEEVE DURING THE SLEEVE INSTALLATION AND CONNECT PIPING AT A LATER TIME DURING CONSTRUCTION.
5. INSTALL A NYLON ROPE PULL CORD INSIDE CONDUIT FROM END TO END FOR LOW VOLTAGE WIRE PULL.
6. MECHANICALLY TAMP BACKFILL TO 95% COMPACTION. PROVIDE COMPACTION OF SOIL OVER SLEEVE AND CONDUIT IN A MANNER TO PREVENT COLLAPSE OF SLEEVE OR CONDUIT.
7. INSTALL SCHEDULE 40 PVC CAPS AT ENDS OF SLEEVE OR CONDUIT TO PREVENT ENTRANCE OF DEBRIS INTO SLEEVE. DO NOT GLUE THE CAP.
8. IF PIPING IS TO BE INSTALLED AFTER SLEEVING IS BACKFILLED, MARK SLEEVE LOCATION WITH A FIBERGLASS COMPOSITE MARKING POST LABELED "IRRIGATION", EXPOSED AT GRADE, T. CHRISTY ENTERPRISES MODEL #D-SF66-IRR. PROVIDE STAKES AT ENDS OF SLEEVE.
9. SEAL ENDS OF SLEEVE AND CONDUIT WITH GROUT TO PREVENT ROOT INTRUSION IN THE SLEEVE.
10. CONDUIT SHALL BE REQUIRED FOR LOW VOLTAGE WIRE INSTALLED UNDER PAVEMENT. REFER TO CHART BELOW.

LOW VOLTAGE WIRE CONDUIT SIZING CHART

PVC ELECTRICAL CONDUIT DIAMETER	2" MIN.	2-1/2"	3"	4"
ALLOWABLE NUMBER OF AWG-UF WIRES IN CONDUIT	0-16	17-24	25-40	41-48

1

SLEEVING AND CONDUIT INSTALLATION DETAIL

NOT TO SCALE

DO NOT COPY WITHOUT WRITTEN PERMISSION OF JDE ®

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SCALES

0 1"

0 25mm

IF THIS BAR IS NOT
DIMENSION SHOWN,
ADJUST SCALES
ACCORDINGLY.



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DRAWN

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SCOTTS VALLEY WATER DISTRICT
SANTA CRUZ COUNTY, CALIFORNIA

SCOTTS VALLEY TRANSIT CENTER
LID RETROFIT PROJECT - PHASE 2



Kennedy Jenks



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PLANNING-DESIGN-MANAGEMENT
JDE PROJECT NO: 24005

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& ASSOCIATES

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SCALE

AS NOTED

JOB NO

2468009.00

DATE

MAY 2024

SHEET

20 OF 27

L2.4

IRRIGATION DETAILS

ABBREVIATIONS:
AV AIR VALVE
CI CAST IRON
CU COPPER
DEG DEGREES
DI DUCTILE IRON
DIA DIAMETER
ECV EMITTER CONTROL VALVE
EFF EFFICIENCY
ETWU ESTIMATED TOTAL WATER USE
ET0(ET) EVAPOTRANSPIRATION
(E) EXISTING
(F) FUTURE
FC FULL CIRCLE (360°)
FT FEET
FIPT FEMALE IRON PIPE THREAD
FPS FEET PER SECOND
FS FLOW SENSOR
FV FLUSH VALVE
GA GAUGE
GI GALVANIZED IRON
GV GATE VALVE
GPH GALLONS PER HOUR
GPM GALLONS PER MINUTE
HW HIGH WATER USE
ID INTERNAL DIAMETER
IN INCHES
IRR IRRIGATION
LA LANDSCAPE ARCHITECT
LW LOW WATER USE
MAWA MAXIMUM APPLIED WATER ALLOWANCE
MAX MAXIMUM
MCV MASTER CONTROL VALVE
MV MASTER VALVE
MW MEDIUM WATER USE
MIN MINIMUM
MIPT MALE IRON PIPE THREAD
MOE MULTI-OUTLET EMITTER
MPR MATCHED PRECIPITATION RATE
MWLEO MODEL WATER EFFICIENT LANDSCAPE ORDINANCE
(N) NEW
NIC NOT IN CONTRACT
NPW NON POTABLE WATER
NTS NOT TO SCALE
OD OUTSIDE DIAMETER
PC PART CIRCLE (20°-360°)
PE POLYETHYLENE
POC POINT OF CONNECTION
PRECIP PRECIPITATION
PRV PRESSURE REDUCING VALVE
PVBA PRESSURE VACUUM BREAKER ASSEMBLY
PSI POUNDS PER SQUARE INCH
PVC POLYVINYLCHLORIDE
PW POTABLE WATER
QTY QUANTITY
QCV QUICK COUPLING VALVE
RCV REMOTE CONTROL VALVE
RPBA REDUCED PRESSURE BACKFLOW ASSEMBLY
RS RIGID STEEL
RW RECYCLED WATER
SCH SCHEDULE
SOE SINGLE-OUTLET EMITTER
SF SQUARE FOOT OR FEET
SLA SPECIAL LANDSCAPE AREA
SQ SQUARE
SS STAINLESS STEEL
STD STANDARD
TBD TO BE DETERMINED
TBE THREADED BOTH ENDS
TOE THREADED ONE END
TYP TYPICAL
UON UNLESS OTHERWISE NOTED
UPC UNIFORM PLUMBING CODE
USA UNDERGROUND SERVICE ALERT
UV ULTRAVIOLET
UVR ULTRAVIOLET RESISTANT
VAC VOLTS-ALTERNATING CURRENT
VB VALVE BOX
WM WATER METER

1

ROOT WATERING SYSTEM

NOT TO SCALE

2

TREE WATERING SYSTEM

NOT TO SCALE

1 4-INCH PURPLE GRATE*

2 BUBBLER*

3 ROOT WATERING SYSTEM: RAIN BIRD RWS-B-C-1401/RWS-GRATE-P (INCLUDES CANISTER, BUBBLER WITH SWING JOINT RISER, CHECK VALVE, SAND SOCK, AND PURPLE GRATE)

4 FINISH GRADE

5 RAIN BIRD RWS SOCK*

6 RAIN BIRD SWING JOINT RISER ASSEMBLY*

7 PVC SCH 40 TEE OR EL

8 LATERAL PIPE

9 4-INCH DIA. X 36-INCH BASKET WEAVE CANISTER* - PLACE AGAINST TREE ROOTBALL

* RAIN BIRD ROOT WATERING SYSTEM INCLUDES CANISTER, BUBBLER, SWING JOINT RISER, CHECK VALVE (14- FEET OR 6 PSI MINIMUM HOLDBACK), SAND SOCK, AND PURPLE GRATE.

1 FINISH GRADE

2 ROOT WATERING SYSTEM: RAIN BIRD RWS-BCG (INCLUDES BUBBLER, CHECK VALVE AND GRATE)

3 RAIN BIRD RWS SOCK

NOTE:
POSITION UNITS SPACED AT 180 DEGREES AROUND ROOT BALL ON FLAT GROUND, 2 TOTAL. ON SLOPED AREAS, INSTALL BUBBLERS AT TOP OF SLOPE, 120 DEGREES APART. INSTALL PRODUCT WITH TOP GRATE EVEN WITH GROUND SURFACE. CLEAR BARK MULCH AWAY FROM TOP OF GRATE.

IRRIGATION SCHEDULES

SUBSURFACE DRIPLINE - SHRUB - LOW WATER USE - 18" EMITTER SPACING

MANUFACTURER: NETAFIM	SPECIES FACTOR(Kc): 0.2
MODEL: TLRW09	MICROCLIMATE FACTOR(Kmc): 1.0
PSI: 30	DENSITY FACTOR(Kd): 1
EMITTER SPACING (IN.): 18	IRRIGATION EFFICIENCY: 0.81
ROW SPACING(IN.): 16	SOIL INFILTRATION RATE(INCHES): 0.2
EMITTER GPH: 0.9	YEAR 2 REDUCTION AMOUNT (%): 10
PR RATE(IN./HR.): 0.7	
MONTH: JAN FEB MAR APR MAY JUNE JULY AUG SEP OCT NOV DEC TOTAL	
ADJUSTED ETO/MONTH(INCHES) 1.5 1.8 2.6 3.5 4.3 4.4 4.8 4.4 3.8 2.8 1.7 1.2 36.6	
ADJUSTED ETO/WEEK(INCHES) 0.3 0.4 0.6 0.8 1.0 1.0 1.1 1.0 0.9 0.6 0.4 0.3	
MINUTES PER WEEK YEAR 1 7 9 12 16 20 20 22 20 18 13 8 6	
YEAR 2 7 9 11 15 18 18 20 18 17 12 8 6	
DAYS PER WEEK YEAR 1 1 1 2 2 4 4 4 4 3 2 1	
YEAR 2 1 1 2 2 4 4 4 4 3 2 1	
MINUTES OF WATER PER DAY YEAR 1 7 9 6 8 5 5 6 5 5 4 6	
YEAR 2 7 9 6 8 5 5 6 5 5 4 6	
CYCLES PER DAY TO MEET SOIL INFILTRATION RATE YEAR 1 2 3 2 2 2 2 2 2 2 1 2	
YEAR 2 2 3 2 2 2 2 2 2 2 1 2	
MAX. RUN TIME (MINUTES) PER CYCLE YEAR 1 4 3 3 4 3 3 3 3 3 4 3	
YEAR 2 4 3 3 4 3 3 3 3 3 4 3	

BUBBLER IRRIGATION @ TREES - LOW WATER USE

MANUFACTURER: RAIN BIRD	TREE CANOPY(SQ.FT.): 19.6
MODEL: RWS	SPECIES FACTOR(Kc): 0.2
PSI: 30	MICROCLIMATE FACTOR(Kmc): 1
GPM OF BUBBLER: 0.25	DENSITY FACTOR(Kd): 1
NO. OF BUBBLERS: 2	IRRIGATION EFFICIENCY: 0.81
GPM OF ALL BUBBLER(S): 0.5	SOIL INFILTRATION RATE(INCHES): 0.2
TREE CANOPY(FT.): 5	YEAR 2 REDUCTION AMOUNT(%): 10
MONTH: JAN FEB MAR APR MAY JUNE JULY AUG SEP OCT NOV DEC TOTAL	
ADJUSTED ETO/MONTH(INCHES) 1.5 1.8 2.6 3.5 4.3 4.4 4.8 4.4 3.8 2.8 1.7 1.2 36.6	
ADJUSTED ETO/WEEK(INCHES) 0.3 0.4 0.6 0.8 1.0 1.0 1.1 1.0 0.9 0.6 0.4 0.3	
MINUTES PER WEEK YEAR 1 2 3 4 5 6 6 7 7 6 4 3 2	
YEAR 2 2 3 4 5 6 6 7 7 6 4 3 2	
DAYS PER WEEK YEAR 1 1 1 2 2 3 3 3 3 3 2 1	
YEAR 2 1 1 2 2 3 3 3 3 3 2 1	
MINUTES OF WATER PER DAY YEAR 1 2 3 2 3 2 2 3 3 2 2 2	
YEAR 2 2 3 2 3 2 2 3 3 2 2 2	
CYCLES PER DAY TO MEET SOIL INFILTRATION RATE YEAR 1 2 3 2 2 2 2 2 2 2 1 2	
YEAR 2 2 3 2 2 2 2 2 2 2 1 2	
MAX. RUN TIME (MINUTES) PER CYCLE YEAR 1 1 1 1 2 1 1 2 2 1 1 2	
YEAR 2 1 1 1 2 1 1 2 2 1 1 2	

IRRIGATION WATER USE (THIS CONTRACT WORK ONLY)

Maximum Applied Water Allowance (MAWA)

Formula: MAWA = (Eto)(.62)[(.45 x LA)+((1-0.45) x SLA)]
Reference Annual Eto (in./year) = 36.6
MAWA = 36.6 X 0.62 X [(0.45 X LA) + ((1-0.45) X SLA)]
MAWA = 36.6 X 0.62 X 4,859 + 5,938
MAWA = 245,273 Gallons

Controller "C" - Estimated Total Water Use (ETWU)

Zone/Valve Number or Hydrozone (a)	Plant Water Use Type (b)	Irrigation Method (c)	Plant Factor (PF) (d)	Irrigation Efficiency (IE) (e)	ETAF (PF/IE)	Hydrozone Landscape Area (LA) (sq. ft.)	ETAF x Area	Estimated Total Water Use (ETWU) (f)
C23	SLA	D-SHRUB DRIPLINE	1.0	-	1.00	1,348	1,348.0	30,622
C24	SLA	D-SHRUB DRIPLINE	1.0	-	1.00	1,864	1,864.0	42,344
C25	SLA	D-SHRUB DRIPLINE	1.0	-	1.00	1,438	1,438.0	32,667
C26	SLA	D-SHRUB DRIPLINE	1.0	-	1.00	1,303	1,303.0	29,600
C27	SLA	D-SHRUB DRIPLINE	1.0	-	1.00	2,519	2,519.0	57,224
C28	SLA	D-SHRUB DRIPLINE	1.0	-	1.00	185	185.0	4,203
C29	SLA	D-SHRUB DRIPLINE	1.0	-	1.00	2,117	2,117.0	48,091
C30	SLA	B-TREE	1.0	-	1.00	23	23.0	522
Total Landscape Area Sum						10,797	10,797	
Regular Landscape Sum						(A)	(B)	0
SLA Sum						(C)	(D)	10,797
						ETWU Total		245,273
						Maximum Allowed Water Allowance (MAWA) (g)		245,273
						ETWU<=MAWA (ETWU Water use data passes)		

NOTE(S):The total landscape area sum of landscaped area may not agree with the landscape plan data. The irrigation design calculates the square footage of each zone based upon a 4"-6" buffer along the edge of the zone. Water use calculations are provided for the current rehabilitated landscape only. Plant factor is based upon recycled water use.

(a) Station number at controller

(b) Hydrozone

(c) Irrigation Method

(d) Plant Factor

(e) Irrigation Efficiency

MS = Micro-spray

VLW= 0.1

0.75 for spray head

0.81 for drip

HW = High Water Use Plants

S = Spray

LW = 0.2

MW = Moderate Water Use Plants

R = Rotor

MW = 0.4

LW = Low Water Use Plants

B = Bubbler

HW = 0.6

VLW = Very Low Water Use Plants

D = Drip

SLA = 1.0

O = Other

(f) ETWU (Annual Gallons Required) = Eto x 0.62 x ETAF x Area

(g) MAWA (Annual Gallons Allowed) = (Eto) (0.62) [(ETAF x LA) + ((1-ETAF) x SLA)]

ETAF Calculations

Regular Landscape Areas

Total ETAF x Area	(B)	0
Total Area	(A)	0
Average ETAF	B÷A	-

All Landscape Areas

Total ETAF x Area	(B+D)	10,797
Total Area	(A+C)	10,797
Sitewide ETAF	(B+D)÷(A+C)	1.00

Summary Hydrozone Information Table

Hydrozoneb	Area (Sq. Ft.)
High Water Use	0
Moderate Water Use	0
Low Water Use	0
Very Low Water Use	0
SLA	10,797
Total =	10,797

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ANY PRINTS NOT BEARING THIS STAMP MAY HAVE BEEN PRINTED PRIOR TO ADVERTISING AND CANNOT BE CONSIDERED AS BID DOCUMENTS. USERS OF THIS DOCUMENT IN EDITABLE ELECTRONIC FORMATS ARE CAUTIONED AGAINST USE WITHOUT FIRST DETERMINING WHETHER CHANGES MAY HAVE BEEN MADE SUBSEQUENT TO ITS PREPARATION.

NO

REVISION

DATE

BY

SCALES

0 1" 0 25mm

IF THIS BAR IS NOT DIMENSION SHOWN, ADJUST SCALES ACCORDINGLY.

DESIGNED JE

DRAWN ST/JE

CHECKED JE

SCOTTS VALLEY WATER DISTRICT
SANTA CRUZ COUNTY, CALIFORNIA

SCOTTS VALLEY TRANSIT CENTER
LID RETROFIT PROJECT - PHASE 2

K Kennedy Jenks

IRRIGATION DETAILS, SCHEDULES & WATER USE

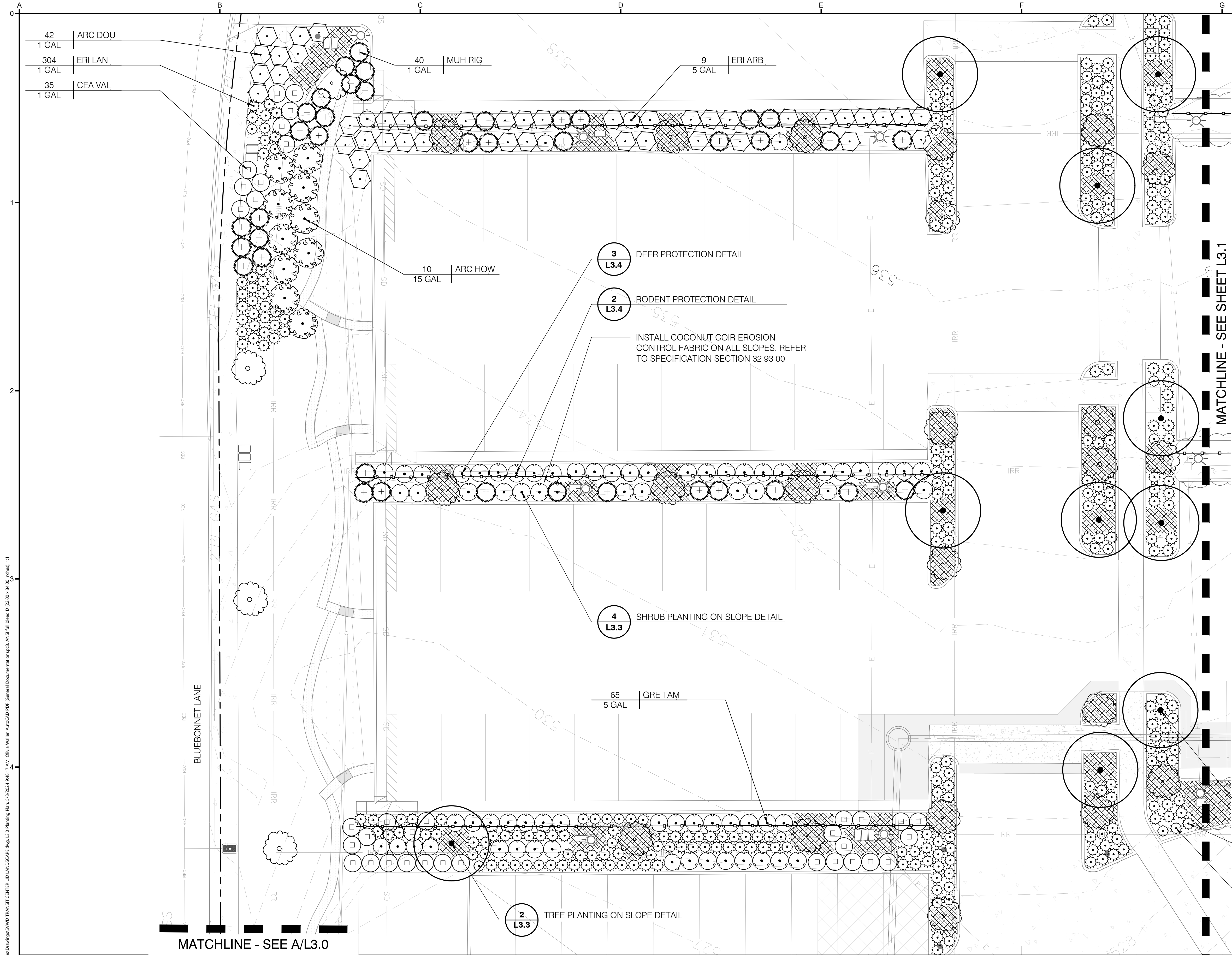
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JOB NO 2468009.00

DATE MAY 2024

SHEET 22 OF 27

L2.6

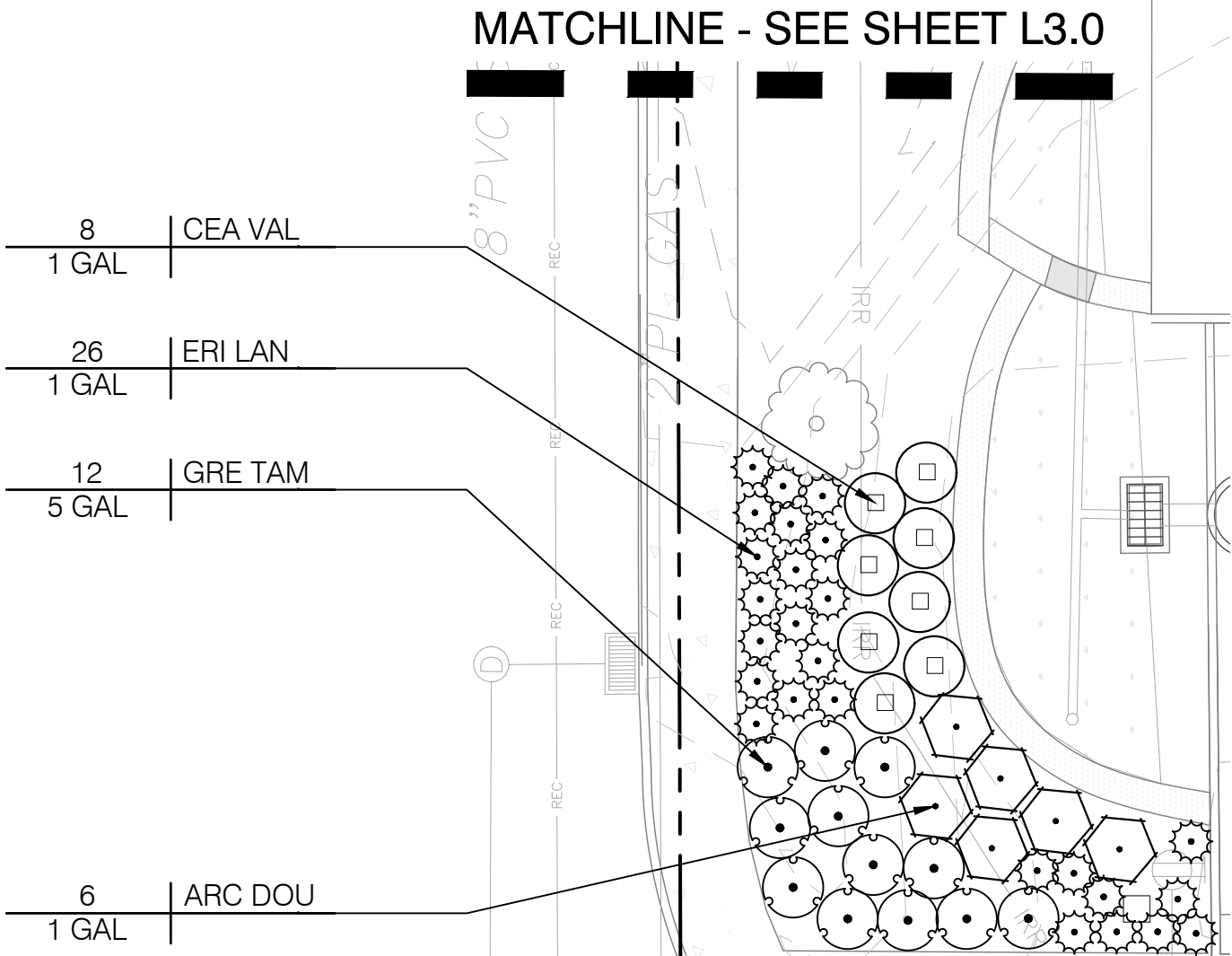


LEGEND

- PROPERTY LINE
- EXISTING TREE TO REMAIN, PROTECT IN PLACE, TYPICAL
- EXISTING SHRUBS TO REMAIN
- WOOD CHIP MULCH, SECTION 32 93 00 AS SHOWN AND BETWEEN ALL PLANTS WITHIN PROJECT LIMITS

- NOTES:**
- PRESERVE AND PROTECT ALL EXISTING TREES DURING CONSTRUCTION UNLESS NOTED OTHERWISE, SEE SHEET L0.1 AND SECTION 31 12 00.
 - CONTRACTOR TO LAYOUT ALL SHRUBS AND TREES TO BE REVIEWED BY OWNER'S REPRESENTATIVE PRIOR TO PLANTING.
 - REFER TO SECTION 32 93 00, PLANTING.

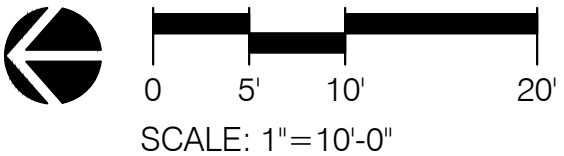
- BACKGROUND NOTE**
- BACKGROUND SITE INFORMATION SHOWN IS BASED ON A PREVIOUSLY PREPARED SURVEY AND AND FIELD OBSERVATIONS, AND MAY NOT BE ACCURATE. FIELD VERIFY ALL EXISTING CONDITIONS.



PLANTING PLAN A

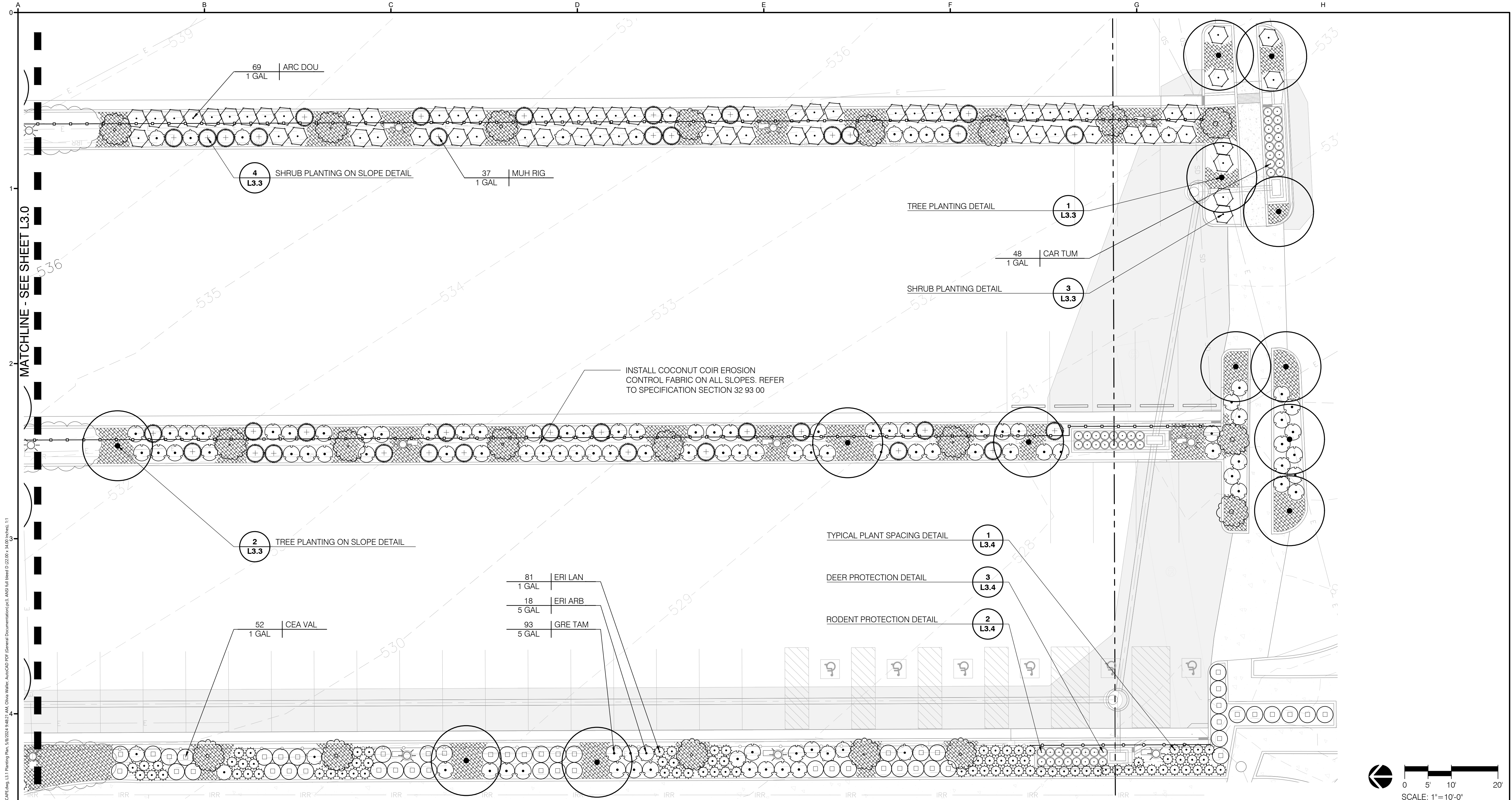
1"=10'-0"

- 1 TREE PLANTING DETAIL (L3.3)
- 1 TYPICAL PLANT SPACING DETAIL (L3.4)
- 3 SHRUB PLANTING DETAIL (L3.3)



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ISSUED FOR BID					SCALES 0 1" 0 25mm IF THIS BAR IS NOT DIMENSION SHOWN, ADJUST SCALES ACCORDINGLY.		DESIGNED	 SCOTTS VALLEY WATER DISTRICT SANTA CRUZ COUNTY, CALIFORNIA SCOTTS VALLEY TRANSIT CENTER LID RETROFIT PROJECT - PHASE 2	 Kennedy Jenks	PLANTING PLAN	SCALE
							1"=10'-0"				
							JOB NO				
							2468009.00				
							DATE				
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							GL			L3.0	



LEGEND

PROPERTY LINE

EXISTING TREE TO REMAIN, PROTECT IN PLACE, TYPICAL

EXISTING SHRUBS TO REMAIN

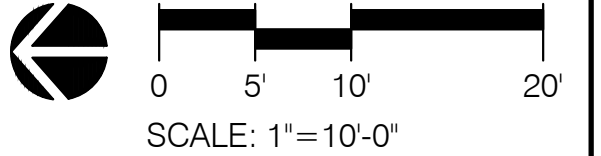
WOOD CHIP MULCH, SECTION 32 93 00 AS SHOWN AND BETWEEN ALL PLANTS WITHIN PROJECT LIMITS

NOTES:

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BACKGROUND NOTE

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NO	REVISION	DATE	BY

SCALES

0 1" 0 25mm

IF THIS BAR IS NOT DIMENSION SHOWN, ADJUST SCALES ACCORDINGLY.

DESIGNED
GL

DRAWN
MO/MR

CHECKED
GL

SCOTTS VALLEY WATER DISTRICT
SANTA CRUZ COUNTY, CALIFORNIA
**SCOTTS VALLEY TRANSIT CENTER
LID RETROFIT PROJECT - PHASE 2**

Kennedy Jenks

PLANTING PLAN

SCALE 1"=10'-0"


JOB NO 2468009.00

DATE MAY 2024


SHEET 24 OF 27

L3.1


TREES



PISTACIA CHINENSIS 'KEITH DAVEY'
(KEITH DAVEY CHINESE PISTACHE)




ARCTOSTAPHYLOS DENSIFLORA 'HOWARD MCMINN'
(HOWARD MCMINN VINE HILL MANZANITA)




CAREX TUMULICOLA (FOOTHILL SEDGE)


SHRUBS




ARCTOSTAPHYLOS X JOHN DOURLEY
(JOHN DOURLEY MANZANITA)




CEANOTHUS MARITIMUS 'VALLEY VIOLET'
(VALLEY VIOLET MARITIME CEANOTHUS)




MUHLENBERGIA RIGENS (DEER GRASS)



ERIOGONUM ARBORESCENS
(SANTA CRUZ ISLAND BUCKWHEAT)

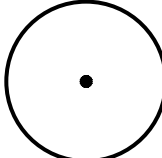

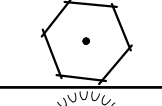
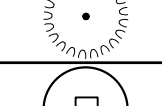
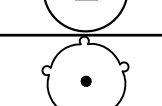
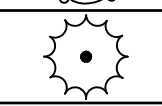
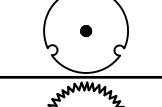
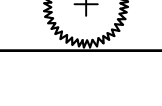



ERIOPHYLLUM LANATUM 'SISKIYOU'
(SISKIYOU WOOLLY SUNFLOWER)



GREVILLEA LANIGERA 'MT. TAMBORITHA'
(MT. TAMBORITHA WOOLLY GREVILLEA)

PLANT SCHEDULE

SYMBOL	CODE	QTY	SIZE	HEIGHT	WIDTH	WATER USE	CALIPER		BOTANICAL NAME	COMMON NAME	REMARKS
TREES											
	PIS CHI	23	15 GAL	7'-8'	2'-3'	LOW	1-1/2"-2"		PISTACIA CHINENSIS ' KEITH DAVEY '	KEITH DAVEY CHINESE PISTACHE	STANDARD
SYMBOL	CODE	QTY	SIZE	HEIGHT	WIDTH	WATER USE		SPACING	BOTANICAL NAME	COMMON NAME	REMARKS
SHRUBS											
	ARC HOW	10	15 GAL	24"	30"	LOW		72" o.c.	ARCTOSTAPHYLOS DENSIFLORA 'HOWARD MCMINN'	HOWARD MCMINN VINE HILL MANZANITA	
	ARC DOU	117	1 GAL	10"	12"	LOW		48" o.c.	ARCTOSTAPHYLOS X 'JOHN DOURLEY'	JOHN DOURLEY MANZANITA	
	CAR TUM	48	1 GAL	10"	12"	LOW		24" o.c.	CAREX TUMULICOLA	FOOTHILL SEDGE	
	CEA VAL	95	1 GAL	10"	12"	LOW		42" o.c.	CEANOTHUS MARITIMUS 'VALLEY VIOLET'	VALLEY VIOLET MARITIME CEANOTHUS	
	ERI ARB	27	5 GAL	12"	12"	VERY LOW		42" o.c.	ERIOGONUM ARBORESCENS	SANTA CRUZ ISLAND BUCKWHEAT	
	ERI LAN	411	1 GAL	8"	12"	LOW		30" o.c.	ERIOPHYLLUM LANATUM 'SISKIYOU'	SISKIYOU WOOLLY SUNFLOWER	
	GRE TAM	170	5 GAL	10"	12"	LOW		42" o.c.	GREVILLEA LANIGERA 'MT. TAMBORITHA'	MT. TAMBORITHA WOOLLY GREVILLEA	
	MUH RIG	77	1 GAL	12"	8"	LOW		48" o.c.	MUHLENBERGIA RIGENS	DEER GRASS	

PLANTING NOTES

1. ALL EXISTING TREES SHALL BE PROTECTED IN PLACE UNLESS NOTED OTHERWISE. CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE OF ANY KIND TO EXISTING TREES DURING THE COURSE OF CONSTRUCTION. REFER TO L0.1 AND SECTION 31 12 00.

2. CLEAR AND GRUB ALL WEEDS AND EXISTING GROUNDCOVERS AND GRASSES FROM PLANTER BEDS WITHIN PROJECT LIMITS UNLESS OTHERWISE NOTED. WALK SITE WITH OWNER'S REPRESENTATIVE TO CONFIRM ALL TREES AND SHRUBS TO REMAIN PRIOR TO CLEARING. EXISTING WOOD HEADER, STAKES, DECOMPOSED GRANITE, AND ROCKS LARGER THAN 2-INCHES IN DIAMETER TO BE REMOVED. CULTIVATE EXISTING SOIL PER SOIL PLAN. SOIL WITHIN TREE PROTECTION ZONES SHALL BE CAREFULLY HAND CULTIVATED WHERE THERE IS NEW PLANTING.

3. ALL WEEDS TO BE REMOVED AND EXISTING TREES TO BE RE-STAKED OR STAKES REMOVED, IF TREE TRUNK IS SUFFICIENTLY STURDY.

4. CONTRACTOR SHALL PROCURE PLANT SPECIES WITHIN THIRTY (30) DAYS OF AWARD OF THE CONTRACT. CONTRACTOR SHALL BE RESPONSIBLE FOR PLACING REQUIRED DEPOSITS TO ENSURE TIMELY PROCUREMENT OF THE SPECIFIED PLANTS. CONTRACTOR SHALL PROVIDE OWNER'S REPRESENTATIVE WITH WRITTEN VERIFICATION (RECEIPTS) SHOWING PROCUREMENT TO MEET THE PLANTING REQUIREMENTS. PLANTS MAY NEED TO BE CONTRACT GROWN TO ENSURE PLANT AVAILABILITY. SEE SECTION 32 93 00.

5. THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE A MINIMUM OF FIVE (5) DAYS IN ADVANCE TO SCHEDULE PLANT LAYOUT REVIEW. THE OWNER'S REPRESENTATIVE SHALL INSPECT PLANTS AND RESERVES THE RIGHT TO REJECT PLANTS NOT MEETING SPECIFICATIONS.

6. THE CONTRACTOR SHALL PLACE PLANTS AS SHOWN ON PLAN AND VERIFY LOCATION WITH OWNER'S REPRESENTATIVE PRIOR TO INSTALLING PLANTS. OWNER'S REPRESENTATIVE MAY REQUEST THAT CONTRACTOR ADJUST OR RELOCATE PLANTS ON-SITE AS NEEDED TO PROPERLY COMPLETE DESIGN AND ACCOMMODATE EXISTING CONDITIONS.

7. HOLD FINISHED GRADES FOR SHRUB AREAS 1½-INCHES BELOW TOP OF ADJACENT PAVEMENT OR WALLS, UNLESS OTHERWISE NOTED ON THE DRAWINGS.

8. GRADUALLY ROUND OFF TOPS AND TOES OF ALL PLANTED SLOPES TO PRODUCE A SMOOTH AND NATURAL TRANSITION BETWEEN EXISTING PLANTINGS, FINISH GRADES, AND NEW PLANTINGS. PLANTING AREAS TO HAVE A SMOOTH SURFACE AND EVEN GRADE. NO LOW POCKETS OR PONDING. IMPORT TOPSOIL AS NEEDED TO ACHIEVE PROPER FINISH GRADE.

9. PROVIDE A MINIMUM OF TWO SOIL TESTS FROM EXISTING SOIL AND ONE SOIL TEST OF PROPOSED IMPORTED TOPSOIL. TESTING RESULTS SHOULD INCLUDE SOIL MANAGEMENT RECOMMENDATIONS FOR NEW PLANTING AND SOIL CONDITIONING TO MEET WELO REQUIREMENTS. ALL SOILS WITHIN PLANTERS TO BE AMENDED PER SOIL ANALYSIS RESULTS, MINIMUM 6 CUBIC YARDS OF ORGANIC AMENDMENT PER 1,000 SQUARE FEET. REFER TO SPECIFICATION SECTION 32 91 13.

10. ADD EROSION CONTROL MAT ON ALL SLOPES, BELOW WOOD CHIP MULCH. INSTALL PER MANUFACTURERS RECOMMENDATIONS. EROSION CONTROL FABRIC SHALL OVERLAY AT SEAMS AND BE SECURED FULLY. EROSION CONTROL FABRIC SHALL NOT BE VISIBLE.

11. PROVIDE 3-INCH-THICK LAYER OF WOOD CHIP MULCH BETWEEN ALL PLANTS. NO BARE GROUND OR EXPOSED EROSION CONTROL FABRIC.

12. PROVIDE A MINIMUM OF 3 INCHES OF WOOD CHIP MULCH TO SOIL SURFACE (ABOVE EROSION CONTROL MAT) BETWEEN ALL PLANTS AFTER PLANTING. NO BARE GROUND OR EXPOSED EROSION CONTROL FABRIC. MULCH SHALL NOT BE PLACED WITHIN A 12-INCH DIAMETER OF TREE TRUNKS AND SHOULD BE KEPT FREE FROM THE CROWN OF ALL SHRUBS AND GRASSES. REFER TO SPECIFICATION SECTION 32 93 00.

13. 90-DAY LANDSCAPE MAINTENANCE PERIOD TO BE INCLUDED FOR PLANT ESTABLISHMENT. REFER TO SECTION 32 93 25.

14. CONTRACTOR TO REVIEW ALL PLANS AND SPECIFICATIONS FOR SUBMITTALS, TESTING, AND OTHER REQUIREMENTS.

ISSUED FOR BID

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NO

REVISION

DATE

BY

SCALES

0 1" 0 25mm

IF THIS BAR IS NOT DIMENSION SHOWN, ADJUST SCALES ACCORDINGLY.

DESIGNED GL

DRAWN MO/MR

CHECKED GL

SCOTTS VALLEY WATER DISTRICT
SANTA CRUZ COUNTY, CALIFORNIA

SCOTTS VALLEY TRANSIT CENTER
LID RETROFIT PROJECT - PHASE 2

KJ Kennedy Jenks

PLANT SCHEDULE, IMAGES, AND NOTES

SCALE -

JOB NO 2468009.00

DATE MAY 2024

SHEET 25 OF 27

L3.2

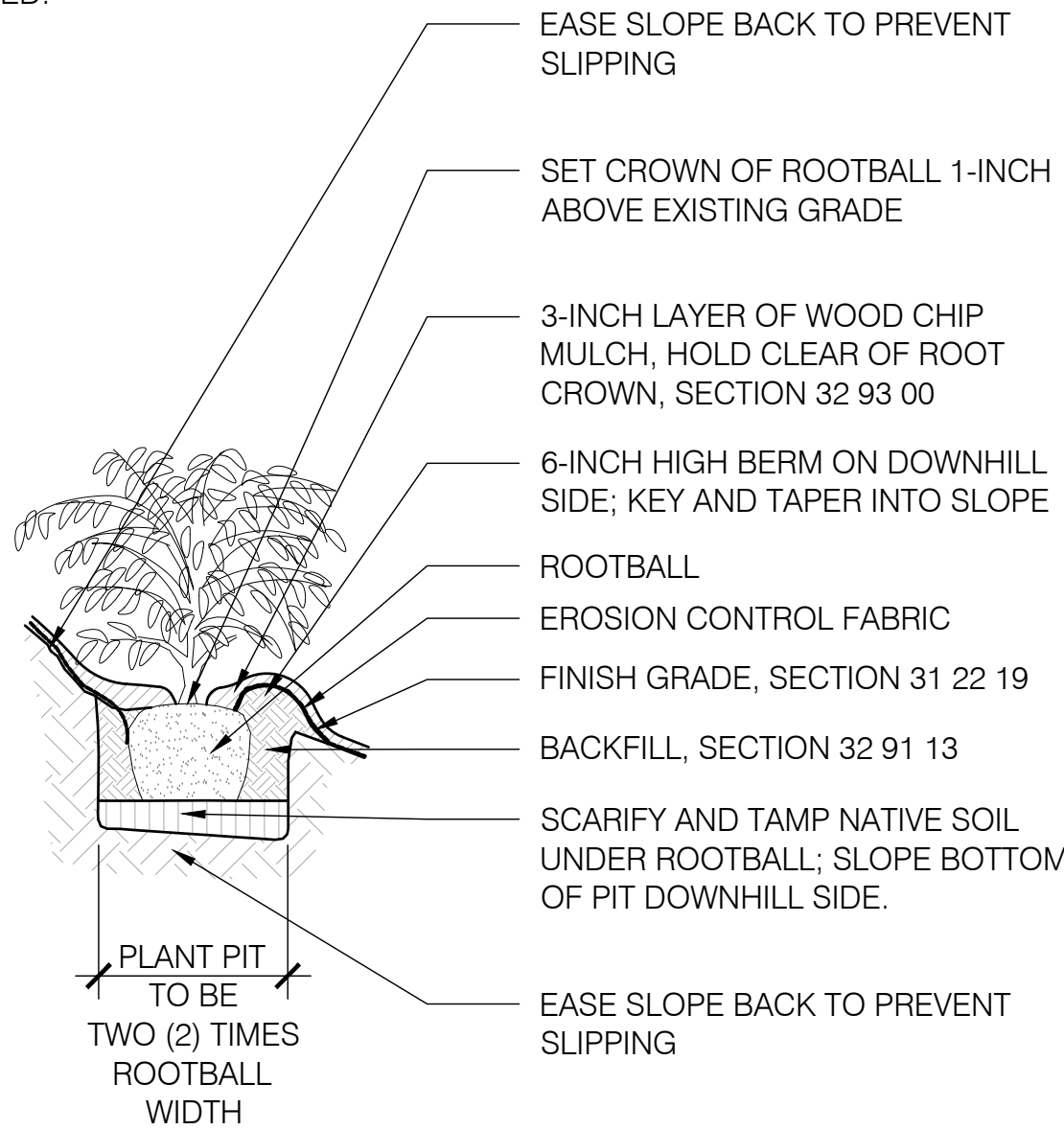
JONI L. JANECKI & ASSOCIATES

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PHONE 831.423.8040 | WWW.JLJA.COM
California Landscape Architect License 3163

T:\PROJECTS\24 - 2024 - SWMO - LID Retrofit Updates\Drawings\SWMO TRANSIT CENTER LID LANDSCAPE.dwg, L3.2 Plant Schedule Images and Notes, 5/6/2024 9:48:27 AM, Olivia Walker, AutoCAD PDF (General Documentation).pc3, ANSI full, Paper D (22.00 x 34.00 inches), L1

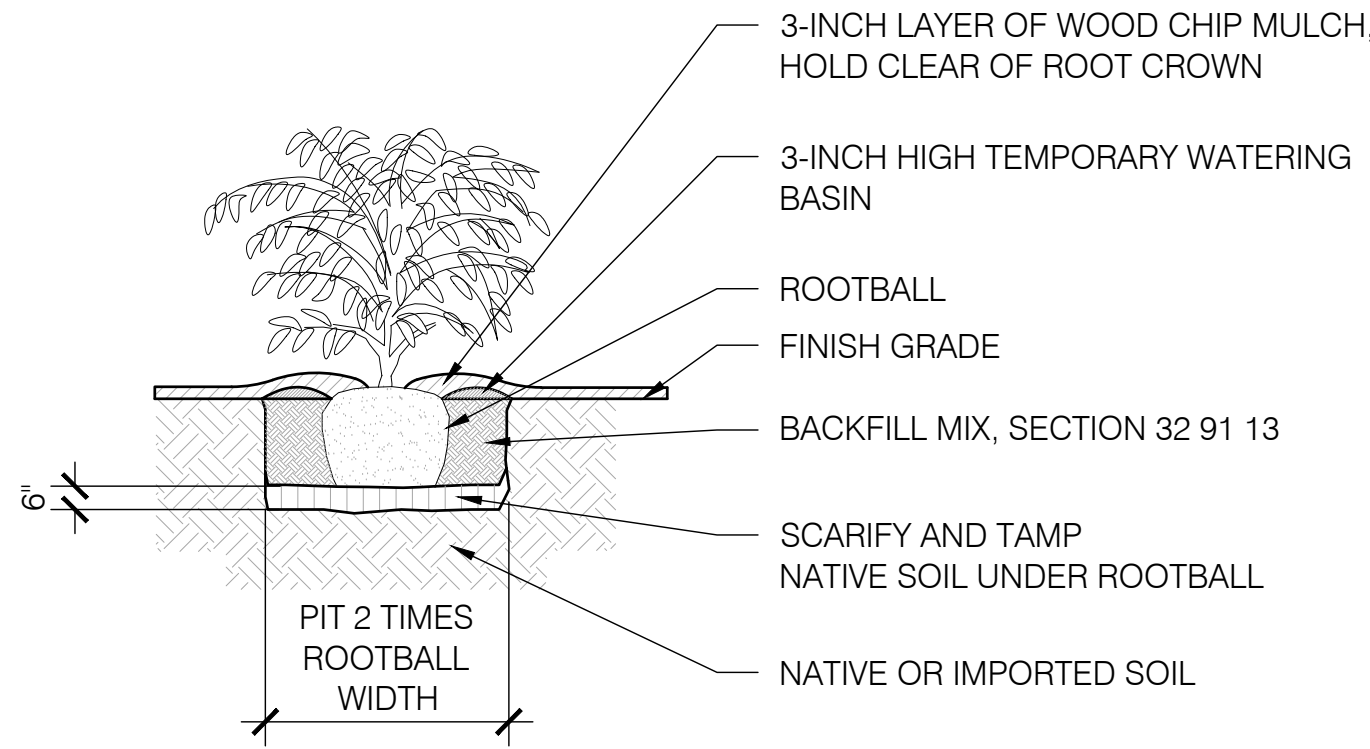
TPROJECTS4-1601-L-SWMO-LID Retrofit Updates\Drawings\SWMO TRANSIT CENTER LID LANDSCAPE.dwg, L3.3 Planting Details, 5/6/2024 9:45:29 AM, Olivia Waller, AutoCAD PDF (General Documentation).pc3, ANSI full bleed D (22.00 x 34.00 inches), 1:1

NOTE:
1. REMOVE TEMPORARY WATERING BASINS ONCE RAINY SEASON HAS COMMENCED.



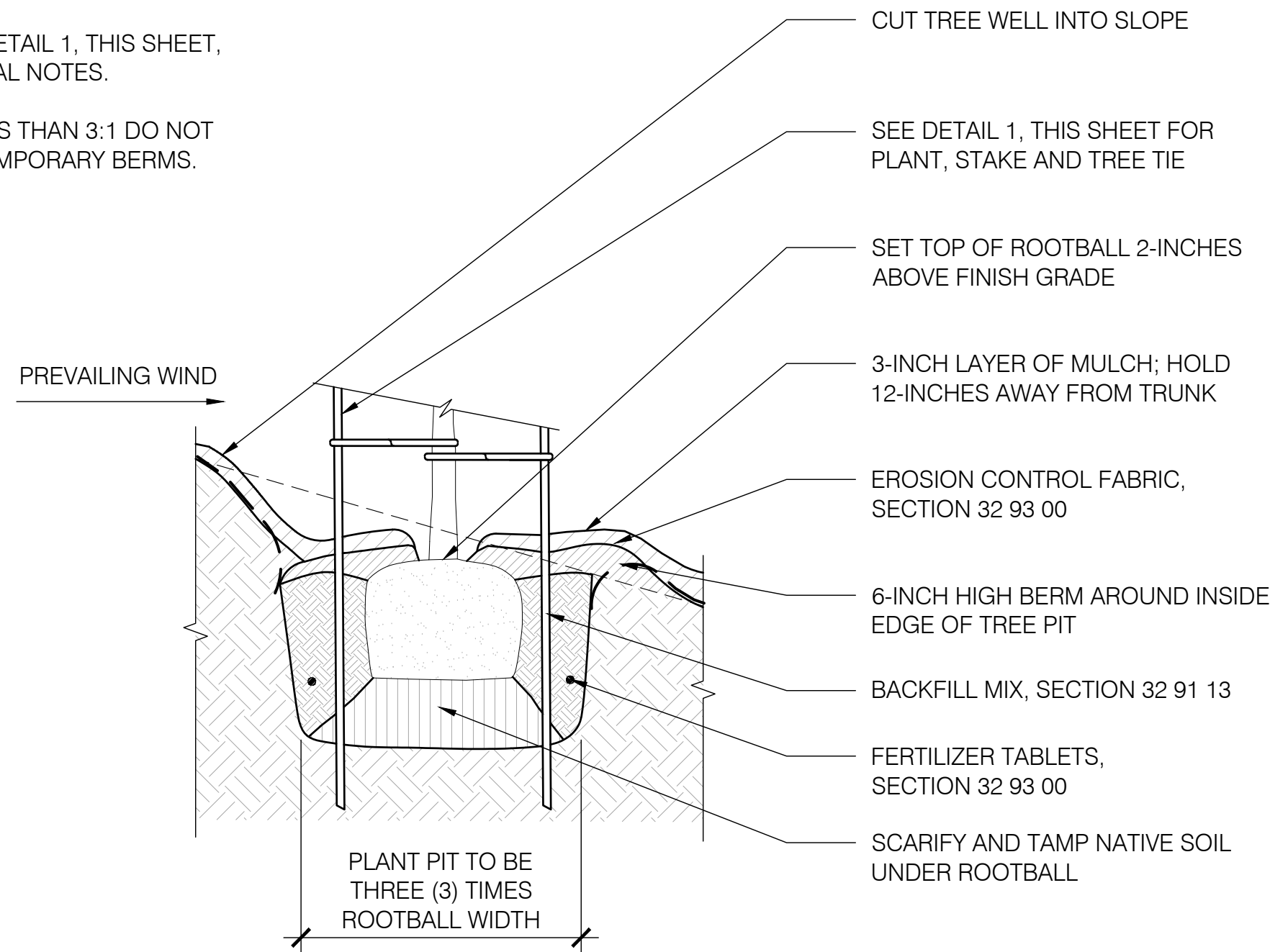
4 SHRUB PLANTING ON SLOPE DETAIL
NOT TO SCALE

NOTES:
1. REMOVE TEMPORARY WATERING BASINS ONCE RAINY SEASON HAS COMMENCED.



3 SHRUB PLANTING DETAIL
NOT TO SCALE

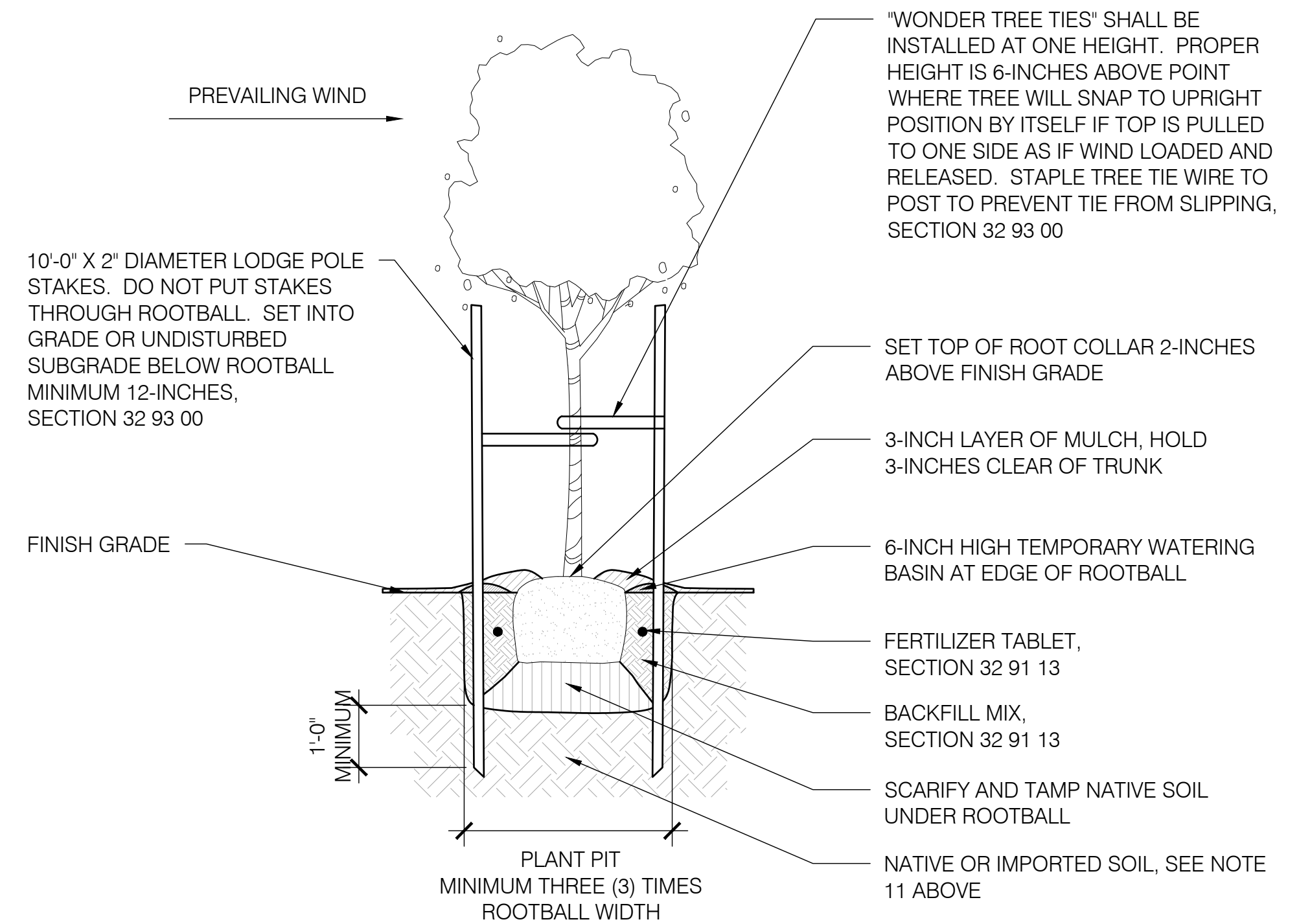
NOTES:
1. REFER TO DETAIL 1, THIS SHEET, FOR GENERAL NOTES.
2. SLOPES LESS THAN 3:1 DO NOT REQUIRE TEMPORARY BERMS.



2 TREE PLANTING ON SLOPE DETAIL
NOT TO SCALE

NOTES:

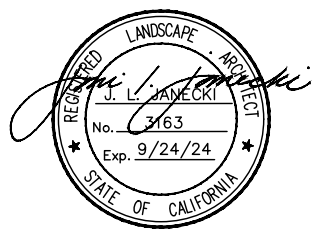
- ALL TREES TO BE STAKED ON PREVAILING WIND SIDE WHEN TREE IS IN LEAF. VERIFY ALL CONNECTORS ARE SECURE AND TIGHT.
- CONTRACTOR SHALL DOUBLE STAKE OR GUY ALL TREES LESS THAN 48" BOX.
- CONTRACTOR SHALL REMOVE NURSERY STAKE(S) AND TAGS FROM TREES UPON COMPLETION OF STAKING.
- "WONDER TREE TIES" SHALL BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS.
- REMOVE TEMPORARY WATERING BASINS ONCE RAINY SEASON HAS COMMENCED.
- CONTRACTOR TO COORDINATE AND SUBMIT PHOTOS OF PROPOSED TREES.
- PLANTS WITH LARGE CIRCLING ROOTS OR KINKED ROOTS ON INTERIOR OF THE ROOTBALL WILL NOT BE ACCEPTED.
- TREES SHALL BE SUPPLIED WITH WELL TAPERED STRONG TRUNKS WHICH WILL STAND ALONE.
- TREES SUPPLIED WITH TOPS TOO LARGE FOR TRUNKS TO SUPPORT SHALL BE PRUNED AS DIRECTED BY OWNER'S REPRESENTATIVE TO REDUCE CROWN HEIGHT. DO NOT REMOVE LATERALS ALONG TRUNK.
- DO NOT PRUNE TREES WITHOUT PRIOR APPROVAL FROM OWNER'S REPRESENTATIVE.
- CONTRACTOR SHALL PERFORM SOIL PERCOLATION TEST AT ALL TREE PLANTING PITS. SUBMIT WRITTEN DOCUMENTATION OF ALL TEST PIT RESULTS, DATED AND SIGNED BY THE TESTER. REFER TO SECTION 32 93 00.



1 TREE PLANTING DETAIL
NOT TO SCALE

ISSUED FOR BID					<div>SCALES</div> <div>0 1" 0 25mm</div> <div>IF THIS BAR IS NOT DIMENSION SHOWN, ADJUST SCALES ACCORDINGLY.</div>	<div>DESIGNED</div> <div>GL</div> <div>DRAWN</div> <div>MO/MR</div> <div>CHECKED</div> <div>GL</div>	<div>SCOTTS VALLEY WATER DISTRICT</div> <div>SANTA CRUZ COUNTY, CALIFORNIA</div> <div>SCOTTS VALLEY TRANSIT CENTER</div> <div>LID RETROFIT PROJECT - PHASE 2</div>	<div>Kennedy Jenks</div>	PLANTING DETAILS	SCALE	AS NOTED
										JOB NO	2468009.00
										DATE	MAY 2024
										SHEET	26 OF 27
										L3.3	
	NO	REVISION	DATE	BY							

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1. CONTRACTOR TO SUBMIT TREE AND SHRUB PROTECTION PLAN FOR REVIEW AND APPROVED BY OWNER'S REPRESENTATIVE. ALL PLANTS TO BE PROTECTED FROM DEER AND RODENTS.



SECTION

TREE

ELEVATION

SHRUB



1. CONTRACTOR TO SUBMIT RODENT PROTECTION FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.

2. ALL PLANTS TO BE PROTECTED FROM RODENTS.

- STUCCO WIRE OR GOPHER BASKET SIZED TO FIT PLANT OR PLANT GROUPING

(2)

NOT TO SCALE



1. "D" REFERS TO ON-CENTER
SPACING AS SHOWN ON
DRAWINGS AND ON PLANT LIST.


1

NOT TO SCALE

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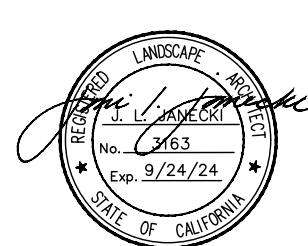
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SCALES

0  1"

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DIMENSION SHOWN,
ADJUST SCALES
ACCORDINGLY.



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DRAWN

MO/MP

CHECKED

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SCOTTS VALLEY WATER DISTRICT
SANTA CRUZ COUNTY, CALIFORNIA

**SCOTTS VALLEY TRANSIT CENTER
LID RETROFIT PROJECT - PHASE 2**



Kennedy Jenks

PLANTING DETAILS

SCALE	AS NOTED
JOB NO	2468009.00
DATE	MAY 2024
SHEET 27 OF 27	L3.4

ONI L. JANECKI
ASSOCIATES

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