

TRPA PARCEL INFORMATION

PARCEL DESCRIPTION
ANPN NO. 025-061-32, 025-041-12, 025-051-27, 023-071-22
1275 MEADOW CREST DRIVE
SOUTH LAKE TAHOE, CA 96150
SECTION 3, TOWNSHIP 12N, RANGE 18E

PARCEL OWNER
SOUTH LAKE TAHOE PUBLIC UTILITY DIVISION
1275 MEADOW CREST DRIVE
SOUTH LAKE TAHOE, CA 9615

PLAN AREA STATEMENT
BIJOU/AI TAHOE COMMUNITY PLAN
TRUCKEE MARSH PLAN AREA STATEMENT
BIJOU MEADOWS PLAN AREA STATEMENT

98
100
101

PROPOSED COVERAGE INFORMATION

PARCEL AREA SUMMARY	
TOTAL PARCEL AREA	4968454 SF
TOTAL ALLOWABLE BASE COVERAGE	1054939 SF
TOTAL EXISTING ON SITE COVERAGE	682468 SF
TOTAL PROPOSED ON SITE COVERAGE	734449 SF
TOTAL REMAINING COVERAGE	320490 SF

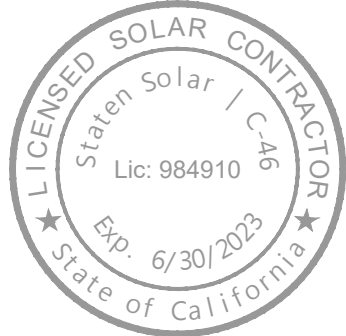
LAND CAPABILITY DISTRICT DATA	
LAND CAPABILITY DISTRICT 1B	
LAND CAPABILITY DISTRICT AREA	784627 SF
ALLOWABLE BASE COVERAGE	7846 SF
EXISTING COVERAGE	20993 SF
PROPOSED COVERAGE	0 SF
TOTAL LCD 1B COVERAGE	20993 SF

LAND CAPABILITY DISTRICT 4	
LAND CAPABILITY DISTRICT AREA	2080550 SF
ALLOWABLE BASE COVERAGE	416110 SF
EXISTING COVERAGE	0 SF
PROPOSED COVERAGE	9088 SF
TOTAL LCD 4 COVERAGE	9088 SF

LAND CAPABILITY DISTRICT 6	
LAND CAPABILITY DISTRICT AREA	2103277 SF
ALLOWABLE BASE COVERAGE	630983 SF
EXISTING COVERAGE	661475 SF
EXISTING BANKED COVERAGE	6964 SF
REMOVED COVERAGE	0 SF
PROPOSED COVERAGE	42913 SF
REMAINING BANKED COVERAGE	0 SF
TOTAL LCD 6 COVERAGE	704388 SF

LEGEND

- ARRAY TYPE #1
- ARRAY TYPE #2
- ARRAY TYPE #3
- LOW VOLTAGE TRENCH
- MEDIUM VOLTAGE TRENCH



South Tahoe Public Utilities District
Site Plan
1347.92 kW DC Ground Mount Photovoltaic System, (2324) 580W Trina Solar Modules
1275 Meadow Crest Dr, South Lake Tahoe, CA 96150, USA

NAME OF CUSTOMER	TITLE	SUBJECT	PROJECT LOCATION

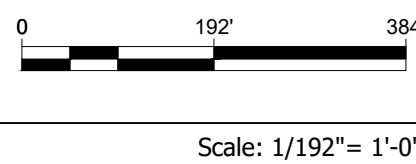
DATE	REVISIONS	CHECKED	APPROVED
11-23-2022	INITIAL SUBMITTAL	NK	SR

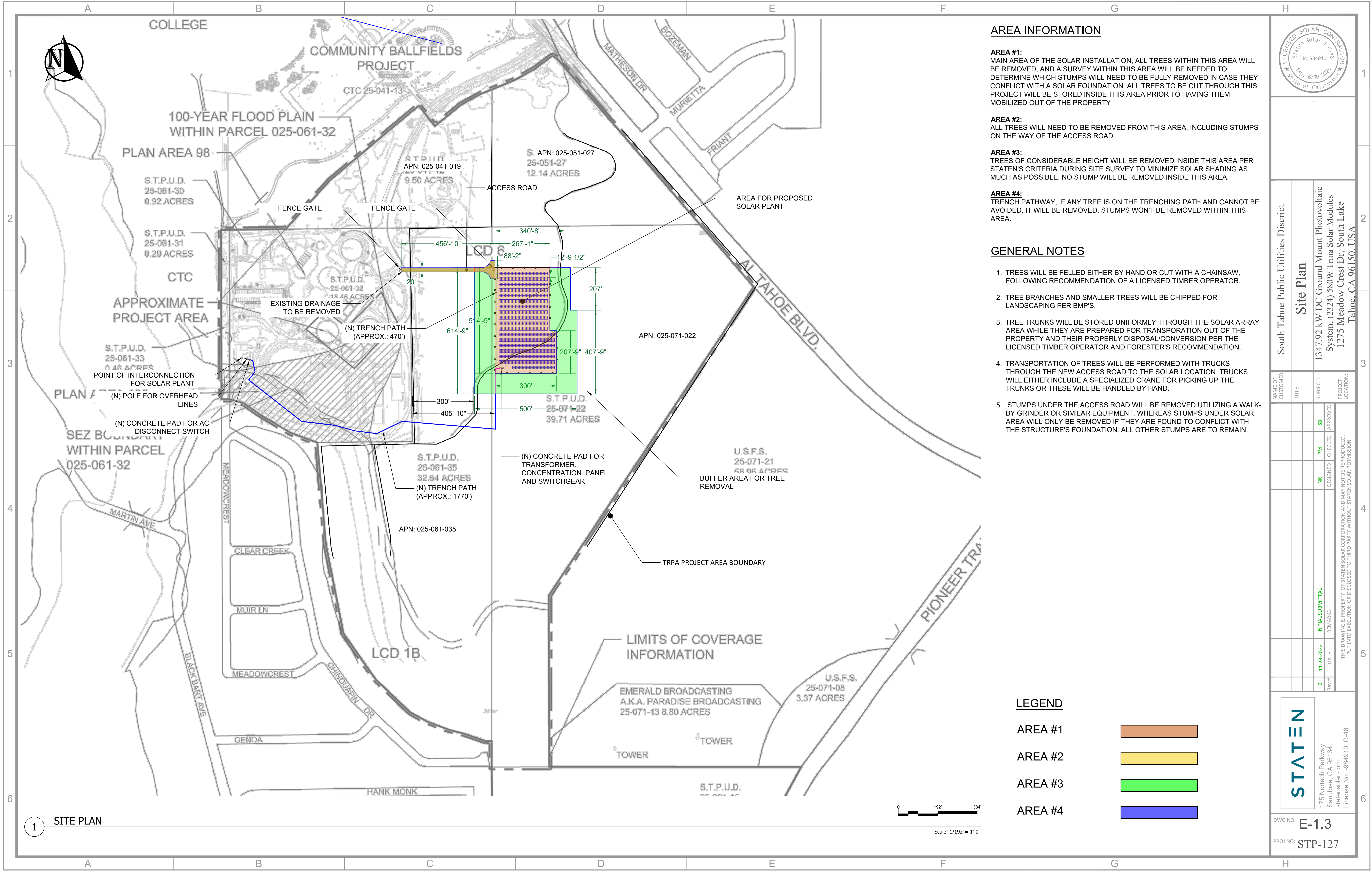
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DWG NO: **E-1.2**
PROJ NO: **STP-127**

1 SITE PLAN





AREA INFORMATION

AREA #1:
MAIN AREA OF THE SOLAR INSTALLATION, ALL TREES WITHIN THIS AREA WILL BE REMOVED, AND A SURVEY WITHIN THIS AREA WILL BE NEEDED TO DETERMINE WHICH STUMPS WILL NEED TO BE FULLY REMOVED IN CASE THEY CONFLICT WITH A SOLAR FOUNDATION. ALL TREES TO BE CUT THROUGH THIS PROJECT WILL BE STORED INSIDE THIS AREA PRIOR TO HAVING THEM MOBILIZED OUT OF THE PROPERTY

AREA #2:
ALL TREES WILL NEED TO BE REMOVED FROM THIS AREA, INCLUDING STUMPS ON THE WAY OF THE ACCESS ROAD.

AREA #3:
TREES OF CONSIDERABLE HEIGHT WILL BE REMOVED INSIDE THIS AREA PER STATEN'S CRITERIA DURING SITE SURVEY TO MINIMIZE SOLAR SHADING AS MUCH AS POSSIBLE. NO STUMP WILL BE REMOVED INSIDE THIS AREA.

AREA #4:
TRENCH PATHWAY, IF ANY TREE IS ON THE TRENCHING PATH AND CANNOT BE AVOIDED, IT WILL BE REMOVED. STUMPS WON'T BE REMOVED WITHIN THIS AREA.

GENERAL NOTES

1. TREES WILL BE FELLED EITHER BY HAND OR CUT WITH A CHAINSAW, FOLLOWING RECOMMENDATION OF A LICENSED TIMBER OPERATOR.
2. TREE BRANCHES AND SMALLER TREES WILL BE CHIPPED FOR LANDSCAPING PER BMP'S.
3. TREE TRUNKS WILL BE STORED UNIFORMLY THROUGH THE SOLAR ARRAY AREA WHILE THEY ARE PREPARED FOR TRANSPORTATION OUT OF THE PROPERTY AND THEIR PROPERLY DISPOSAL/CONVERSION PER THE LICENSED TIMBER OPERATOR AND FORESTER'S RECOMMENDATION.
4. TRANSPORTATION OF TREES WILL BE PERFORMED WITH TRUCKS THROUGH THE NEW ACCESS ROAD TO THE SOLAR LOCATION. TRUCKS WILL EITHER INCLUDE A SPECIALIZED CRANE FOR PICKING UP THE TRUNKS OR THESE WILL BE HANDLED BY HAND.
5. STUMPS UNDER THE ACCESS ROAD WILL BE REMOVED UTILIZING A WALK-BY GRINDER OR SIMILAR EQUIPMENT, WHEREAS STUMPS UNDER SOLAR AREA WILL ONLY BE REMOVED IF THEY ARE FOUND TO CONFLICT WITH THE STRUCTURE'S FOUNDATION. ALL OTHER STUMPS ARE TO REMAIN.

LEGEND

- AREA #1
- AREA #2
- AREA #3
- AREA #4



South Tahoe Public Utilities District

Site Plan

1347.92 kW DC Ground Mount Photovoltaic System, (2324) 580W Trina Solar Modules
1275 Meadow Crest Dr, South Lake Tahoe, CA 96150, USA

NAME OF CUSTOMER	TITLE	SUBJECT	PROJECT LOCATION

DATE	REMARKS	DESIGNED	CHECKED	APPROVED
11-23-2022	INITIAL SUBMITTAL	NK	PM	SB

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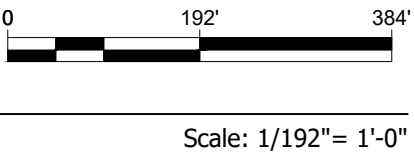
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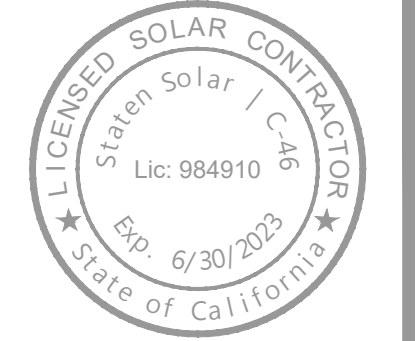
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DWG NO: **E-1.3**

PROJ NO: **STP-127**

1 SITE PLAN





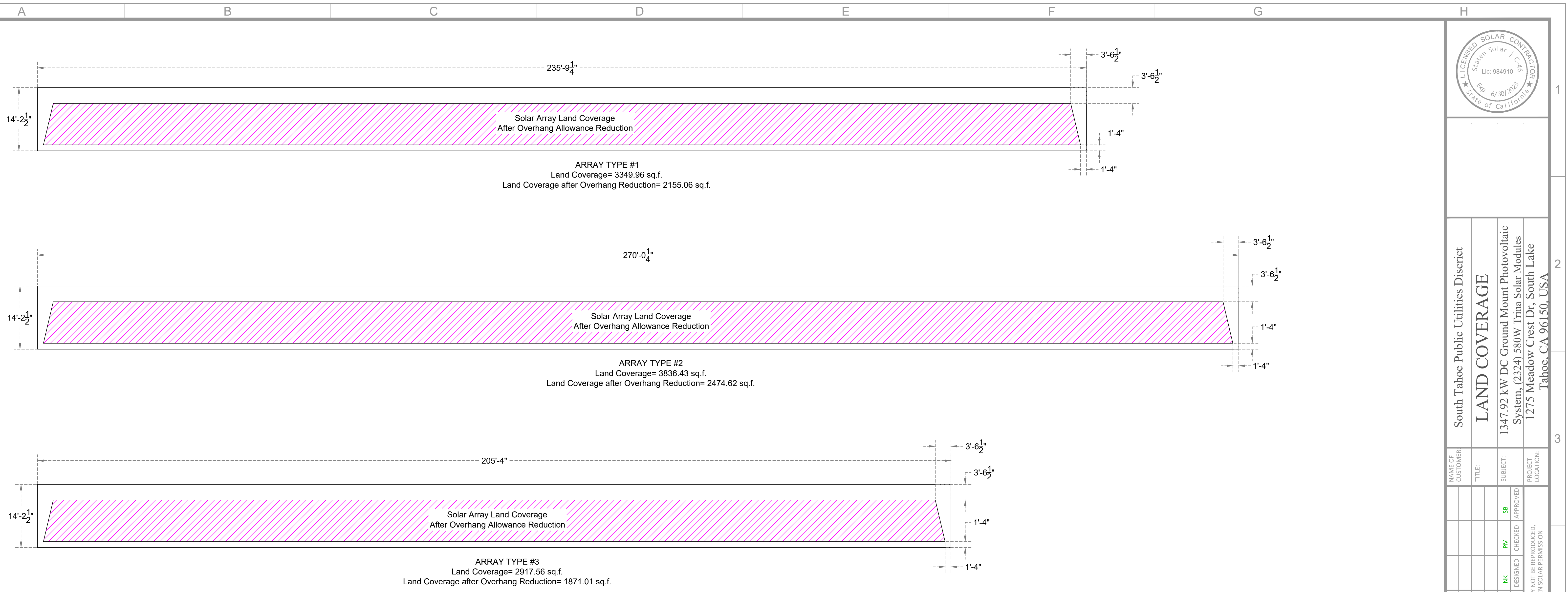
South Tahoe Public Utilities District
LAND COVERAGE
 1347.92 kW DC Ground Mount Photovoltaic System, (2324) 580W Trina Solar Modules
 1275 Meadow Crest Dr, South Lake Tahoe, CA 96150, USA

NAME OF CUSTOMER: South Tahoe Public Utilities District
 TITLE: LAND COVERAGE
 SUBJECT: 1347.92 kW DC Ground Mount Photovoltaic System, (2324) 580W Trina Solar Modules
 PROJECT LOCATION: 1275 Meadow Crest Dr, South Lake Tahoe, CA 96150, USA

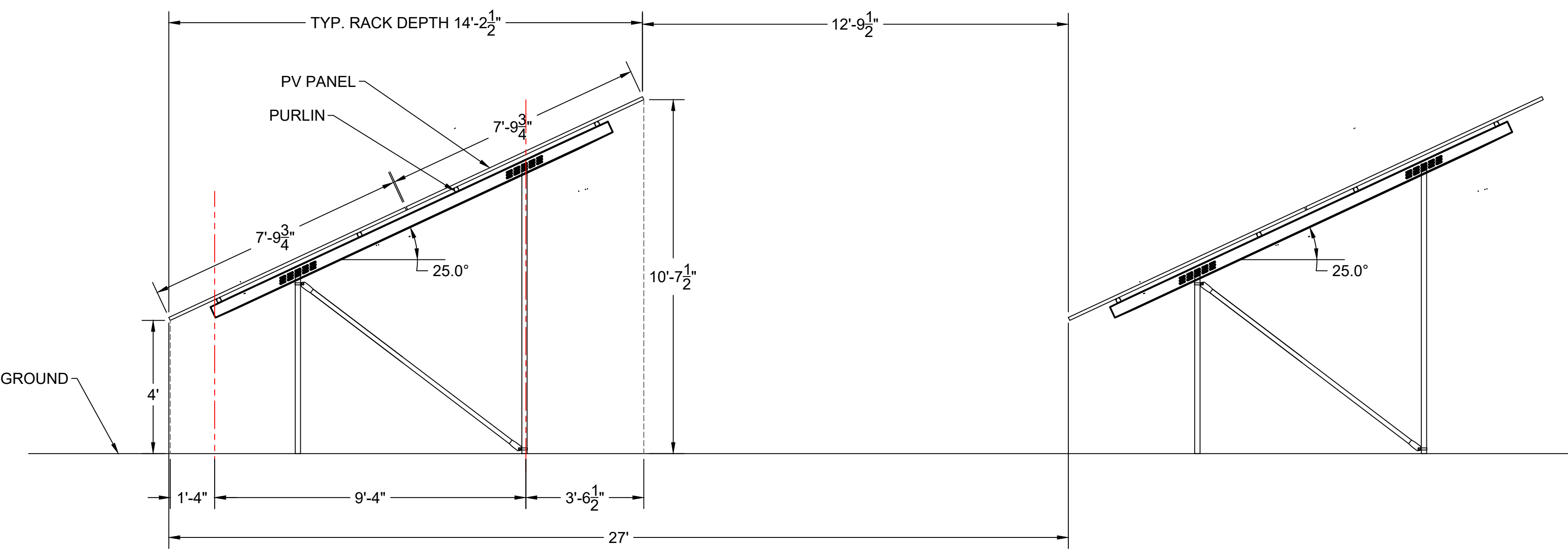
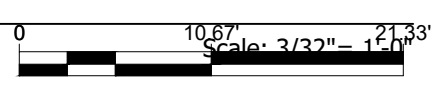
REV #	DATE	INITIAL SUBMITTAL	REMARKS
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DWG NO: **E-2**
 PROJ NO: **STP-127**



2 LAND COVERAGE OF DIFFERENT ARRAY TYPES

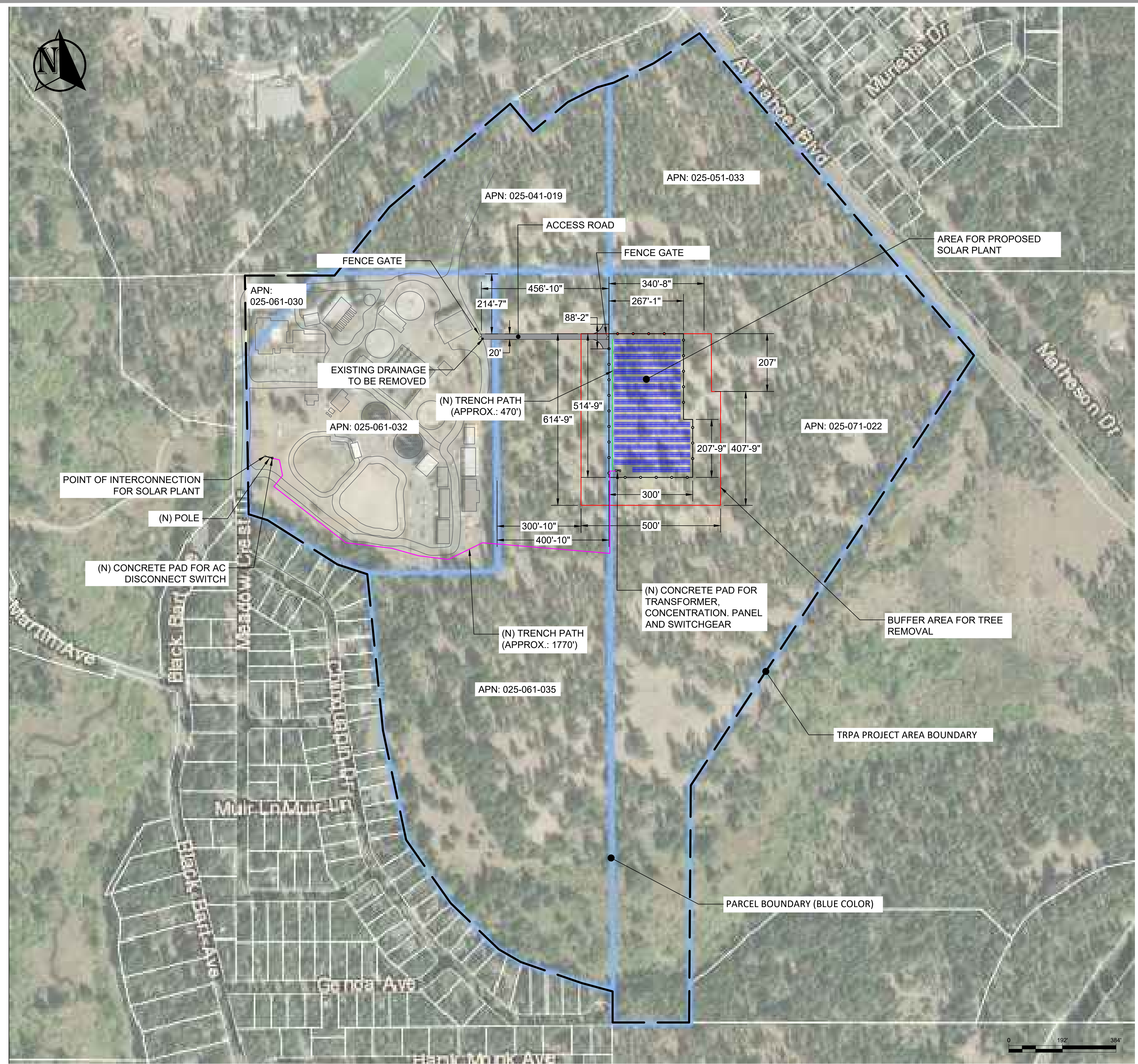


1 ELEVATION VIEW OF RACKING

SOLAR ARRAY TYPE	LAND COVERAGE (SQ. F.)	LAND COVERAGE AFTER OVERHANG REDUCTION (SQ. F.)	QUANTITY	SUBTOTAL LAND COVERAGE (SQ. F.)	SUBTOTAL LAND COVERAGE AFTER OVERHANG REDUCTION (SQ. F.)	OVERHANG REDUCTION (%)
1	3349.96	2155.06	11	36849.56	23705.66	35.67%
2	3836.43	2474.62	6	23018.58	14847.72	35.50%
3	2917.56	1871.01	1	2917.56	1871.01	35.87%
TOTAL				62785.7	40424.39	35.68%

Building type	New Land Coverage per district (sqf)	
	District LCD 4	District LCD 6
Solar Installation	8,893	31,531
Access Road	0	11,016
Concrete Pad for Disconnect Switch	0	20
Concrete Pad for Transformer and Conc. Panel	101	0
Fence concrete foundation	94	346
Total	9,088	42,913

Scale: 3/8" = 1'-0"



PROPERTY OWNER: SOUTH TAHOE PUBLIC UTILITY DISTRICT
 ADDRESS: 1275 MEADOW CREST DR, SOUTH LAKE TAHOE, CA 96150



South Tahoe Public Utilities District
Site Plan
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NAME OF CUSTOMER:	TITLE:	SUBJECT:	PROJECT LOCATION:
		DESIGNED	CHECKED
		APPROVED	APPROVED
		INITIAL SUBMITTAL	REMARKS
0	11-23-2022		
Rev #	DATE	DESIGNED	CHECKED
		APPROVED	APPROVED

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LEGEND

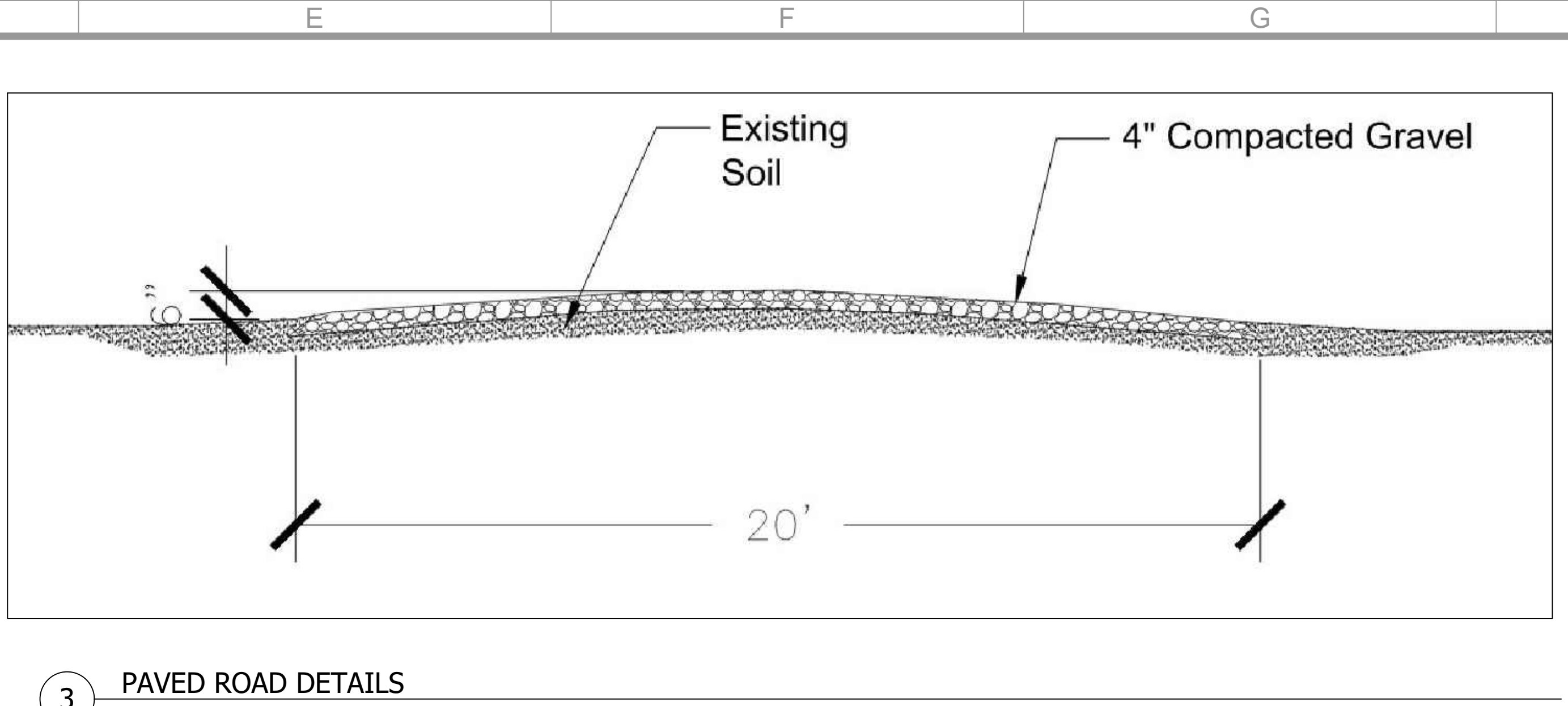
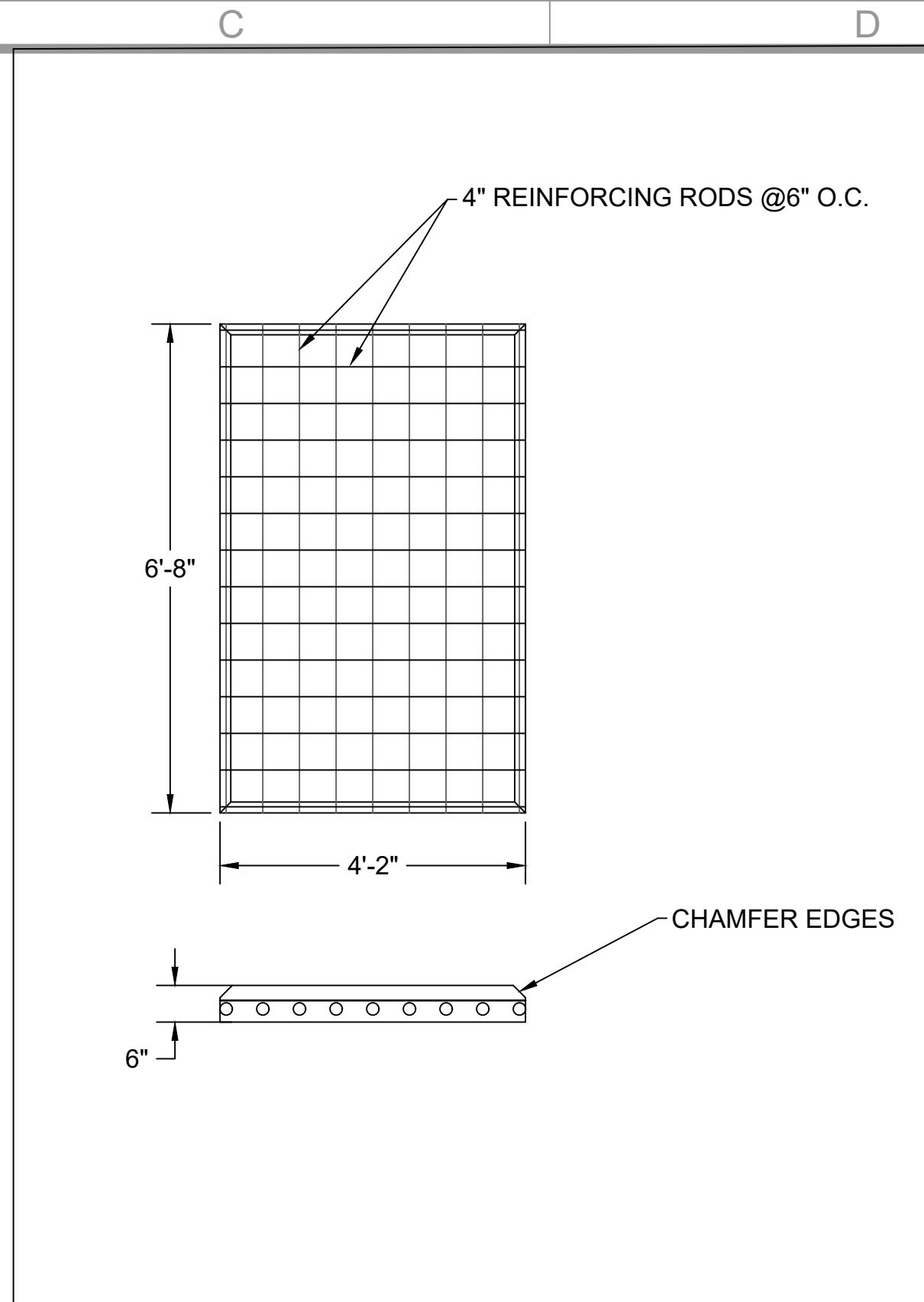
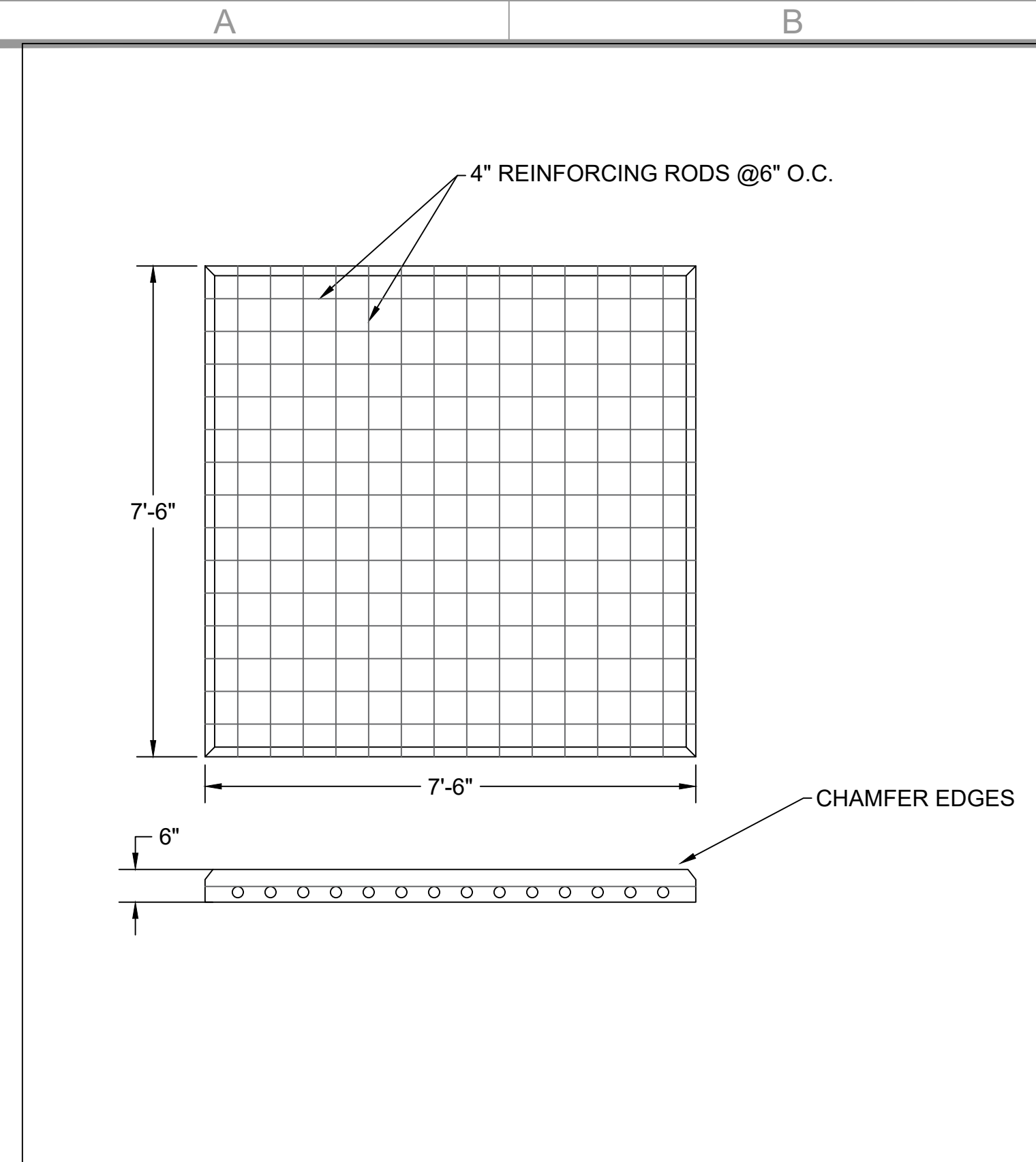
- 1. TRPA PROJECT AREA BOUNDARY
- 2. PARCEL BOUNDARY
- 3. BUFFER AREA FOR TREE REMOVAL
- 4. SOLAR ARRAY FENCE
- 5. LOW VOLTAGE TRENCH
- 6. MEDIUM VOLTAGE TRENCH

1 SITE PLAN

Scale: 1/192" = 1'-0"

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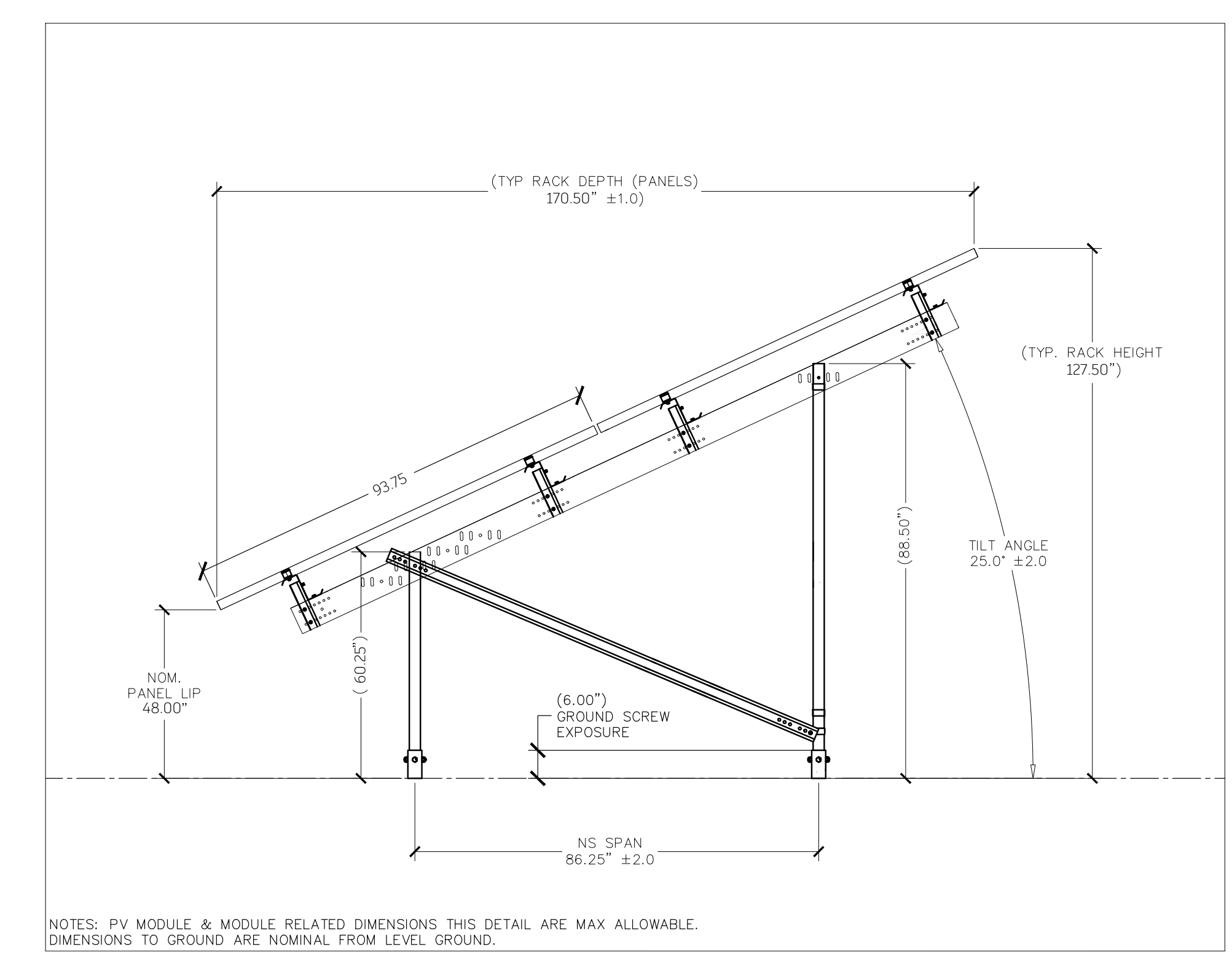
DWG NO: **E-1**
 PROJ NO: **STP-127**



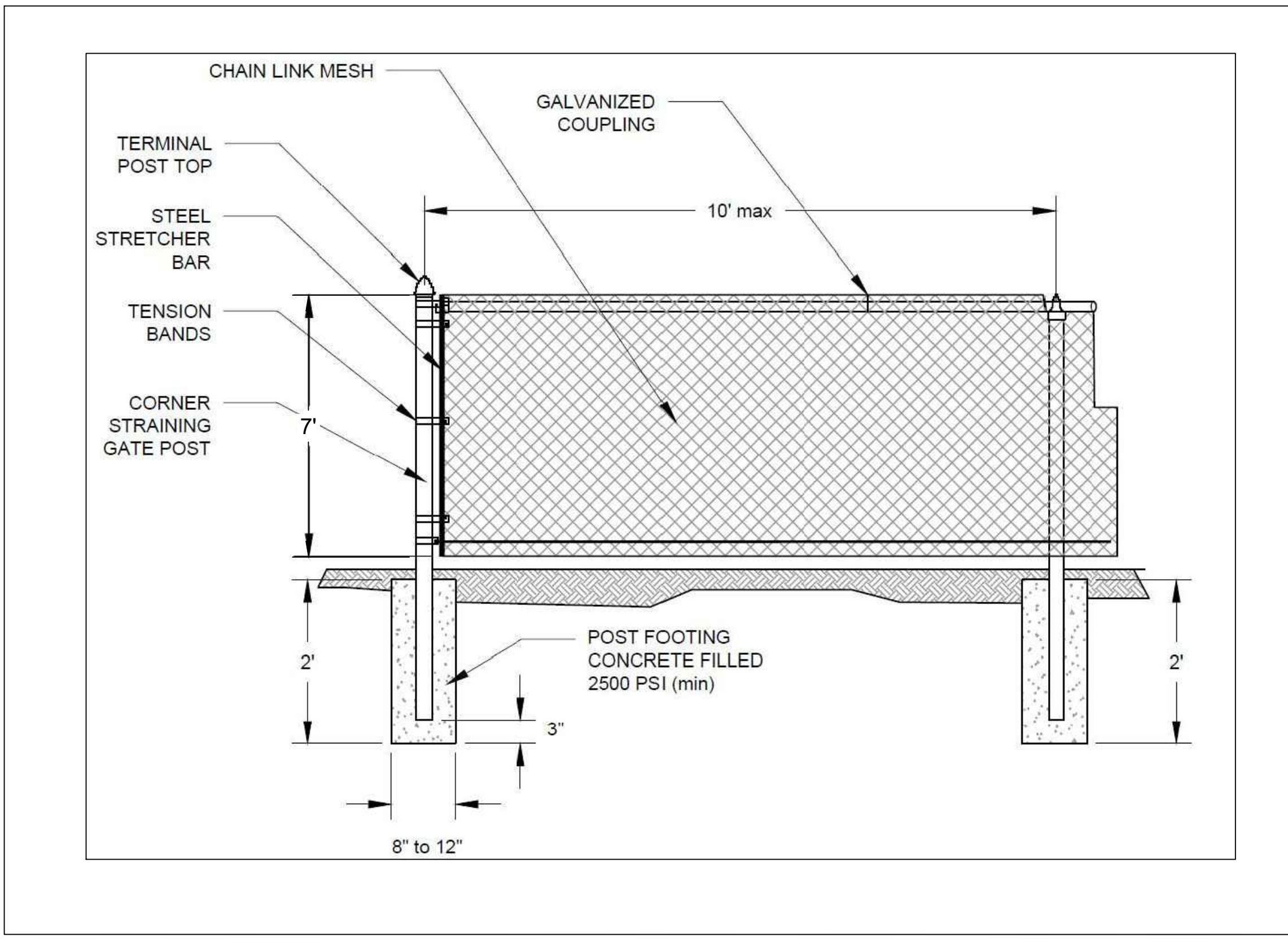
1 CONCRETE PAD DETAILS FOR TRANSFORMERS
Scale: 1/2" = 1'-0"

2 CONCRETE PAD DETAILS FOR PANELBOARD
Scale: 1/2" = 1'-0"

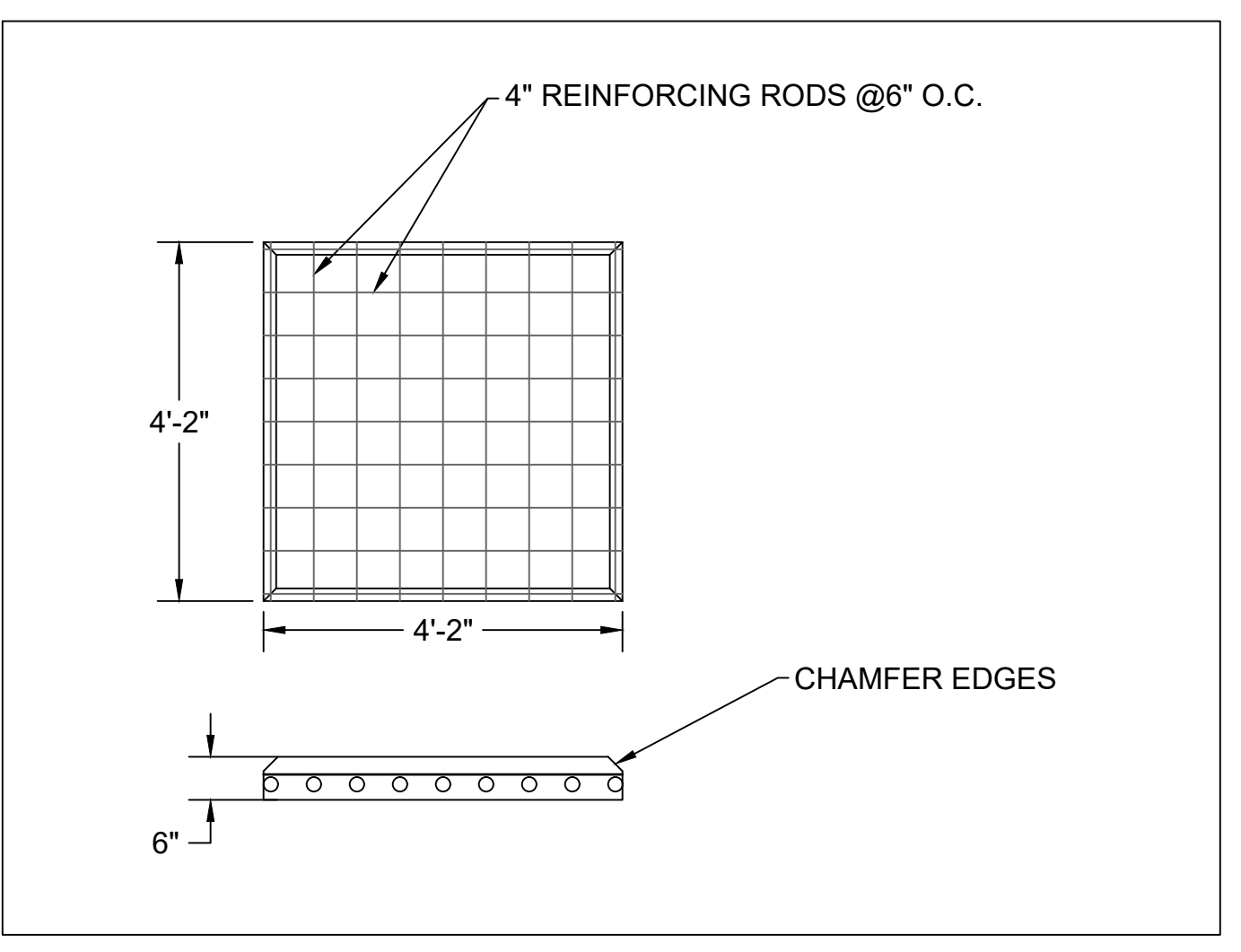
3 PAVED ROAD DETAILS
Scale: NTS



4 ELEVATION VIEW OF RACKING
Scale: 1/2" = 1'-0"



5 TYPICAL FENCE DETAILS
Scale: NTS



6 CONCRETE PAD DETAILS FOR DISCONNECT SWITCH
Scale: 1/2" = 1'-0"

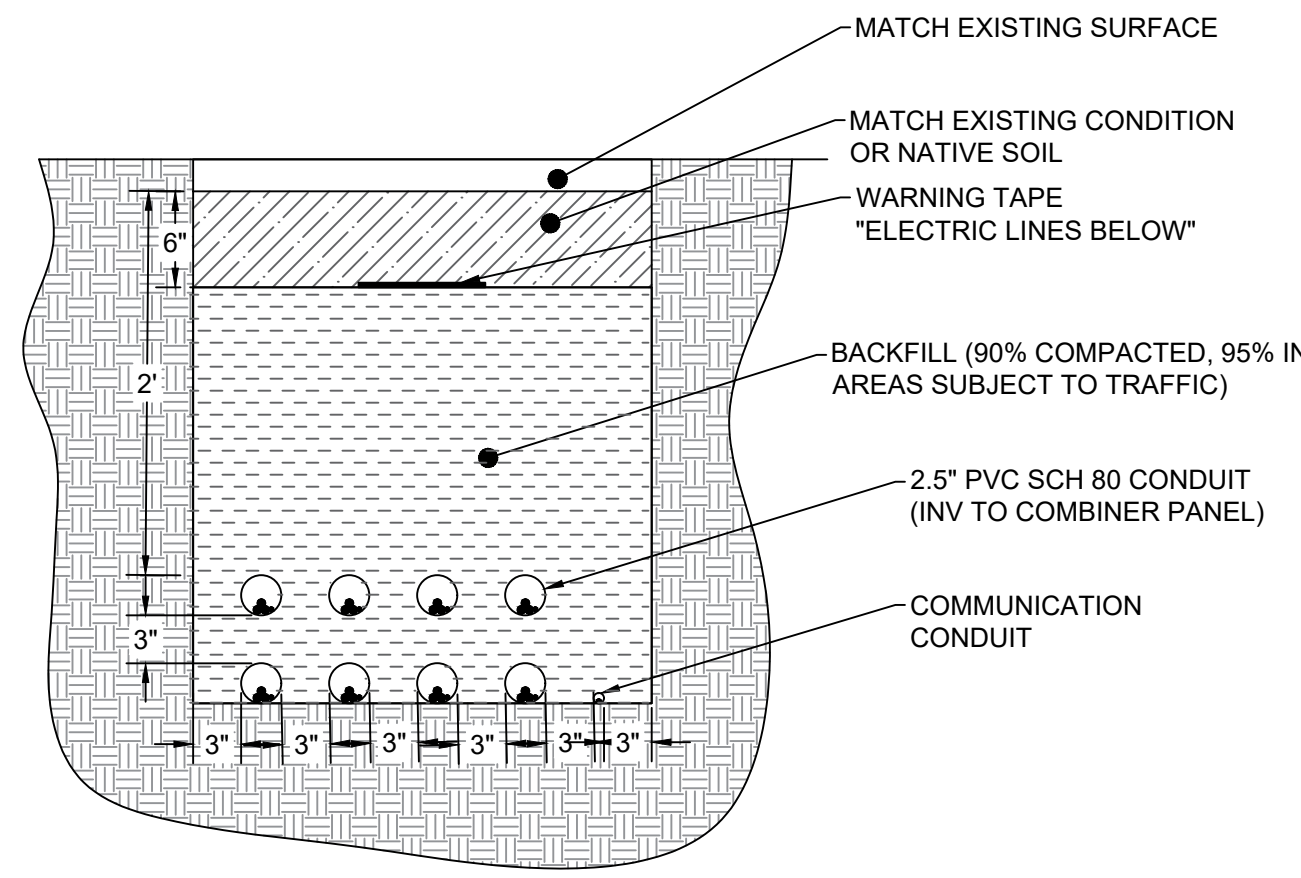


South Tahoe Public Utilities District
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NAME OF CUSTOMER:	TITLE:	SUBJECT:	PROJECT LOCATION:
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		APPROVED: SB	
0	11-23-2022	INITIAL SUBMITTAL	REMARKS
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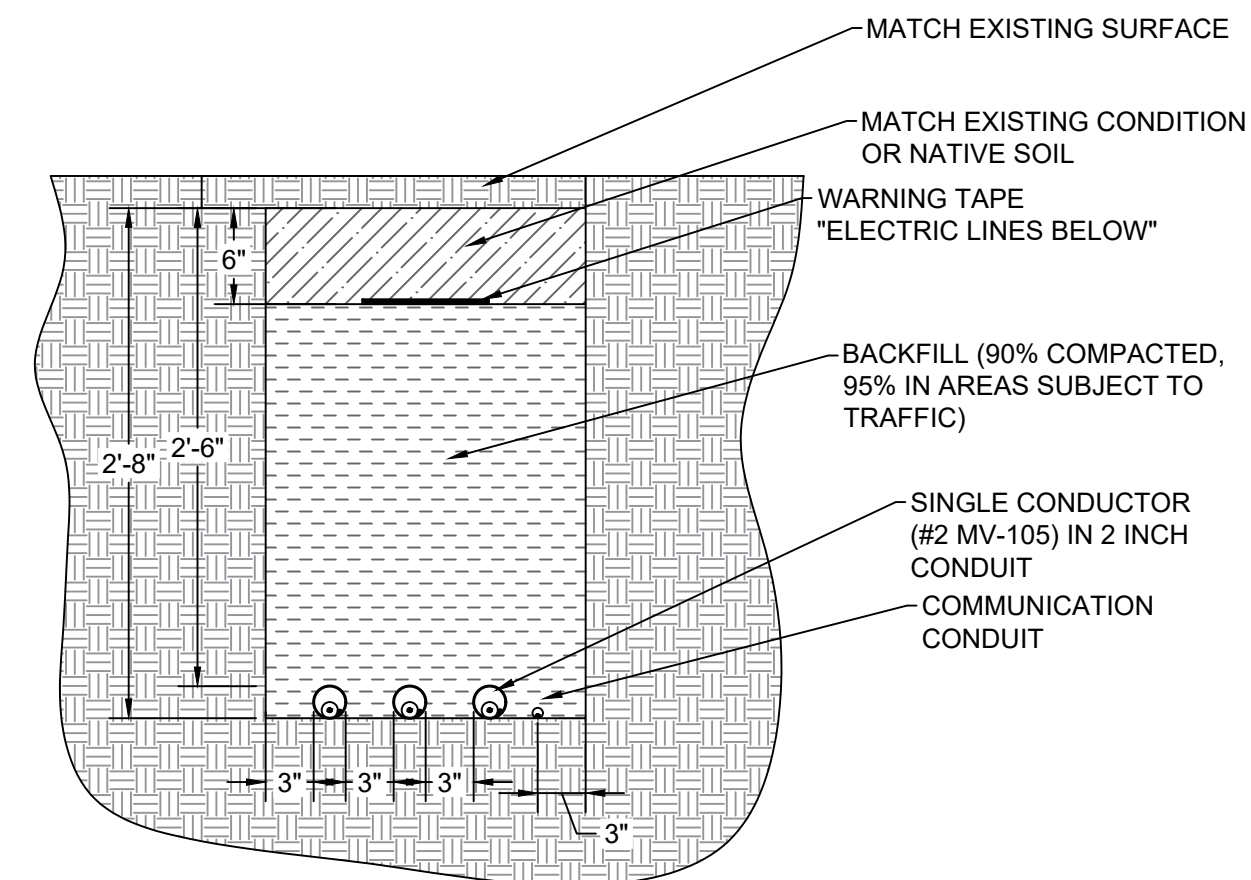
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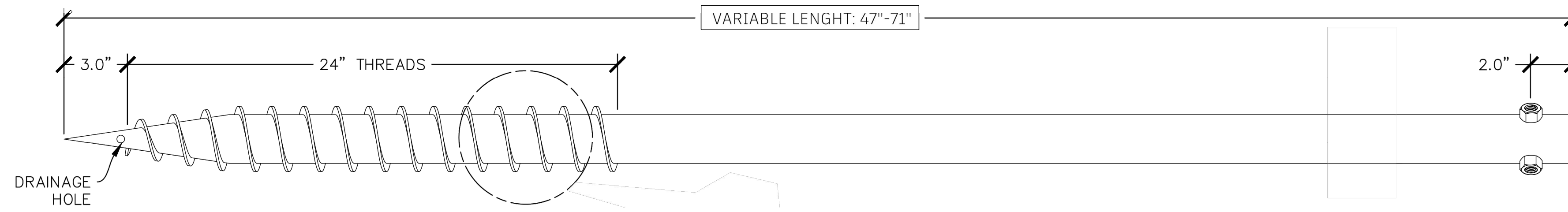
1 TRENCH DETAILS (INV to COMB. PANEL)

Scale: NTS



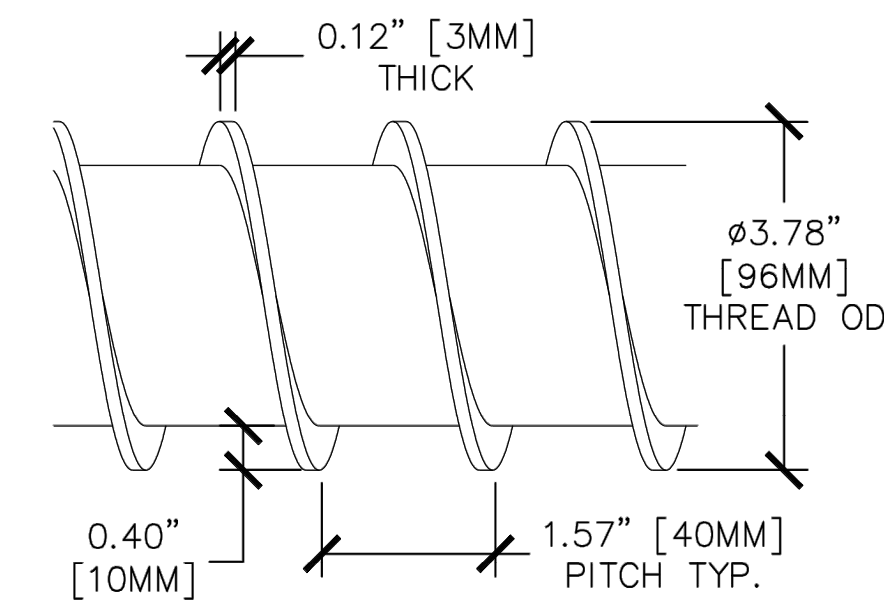
2 TRENCH DETAILS

Scale: NTS

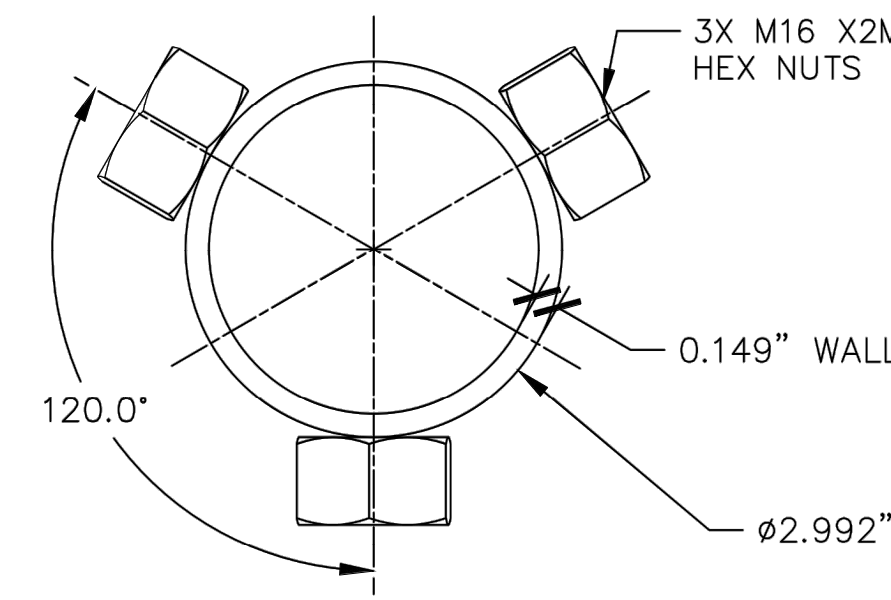


NOTES:
1. VIEW NOT REPRESENTATIVE OF SCREW TIP OR REQUIRED OVERALL OR THREAD LENGTH.

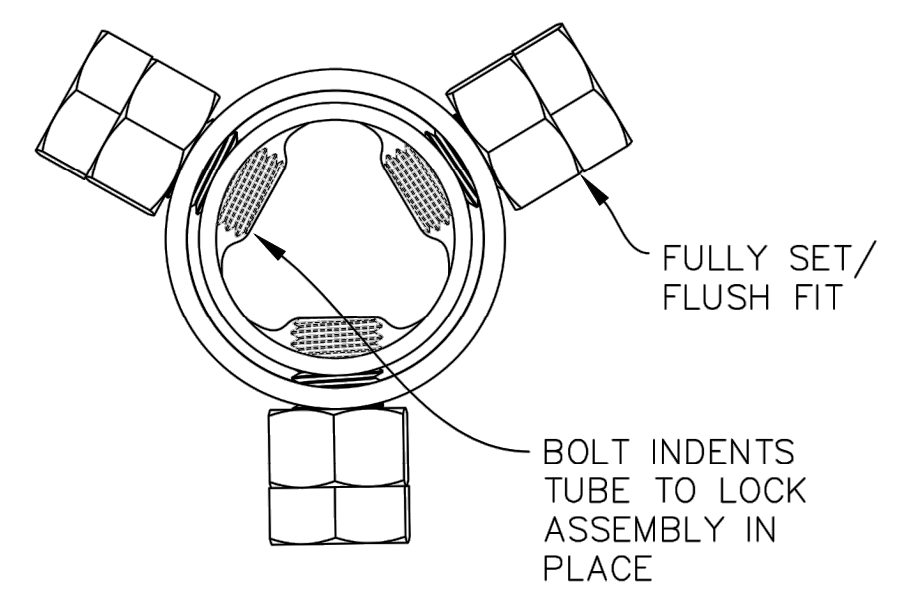
E1 PART: SCREW PILE



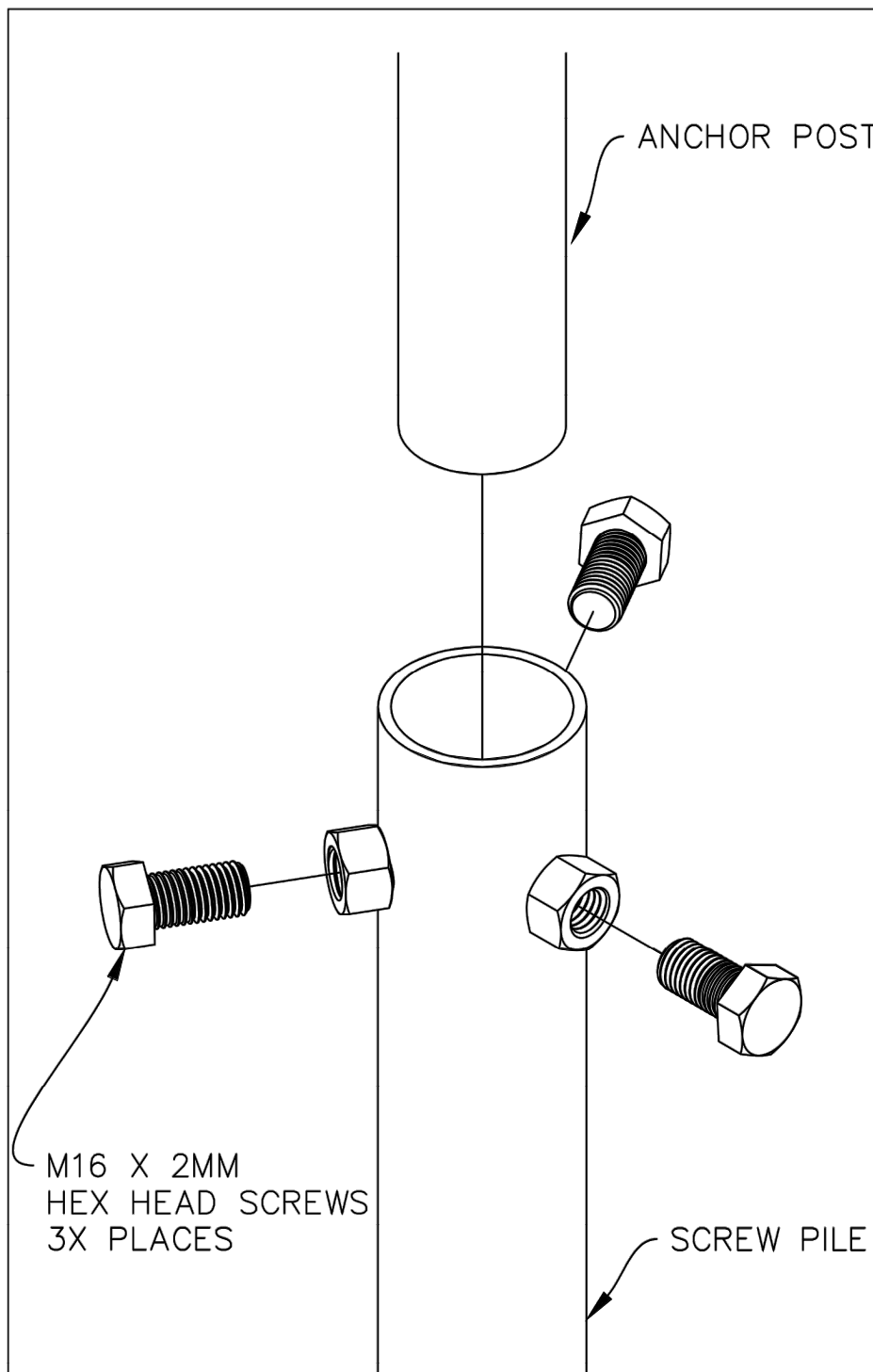
D1 DETAIL: SCREW PILE



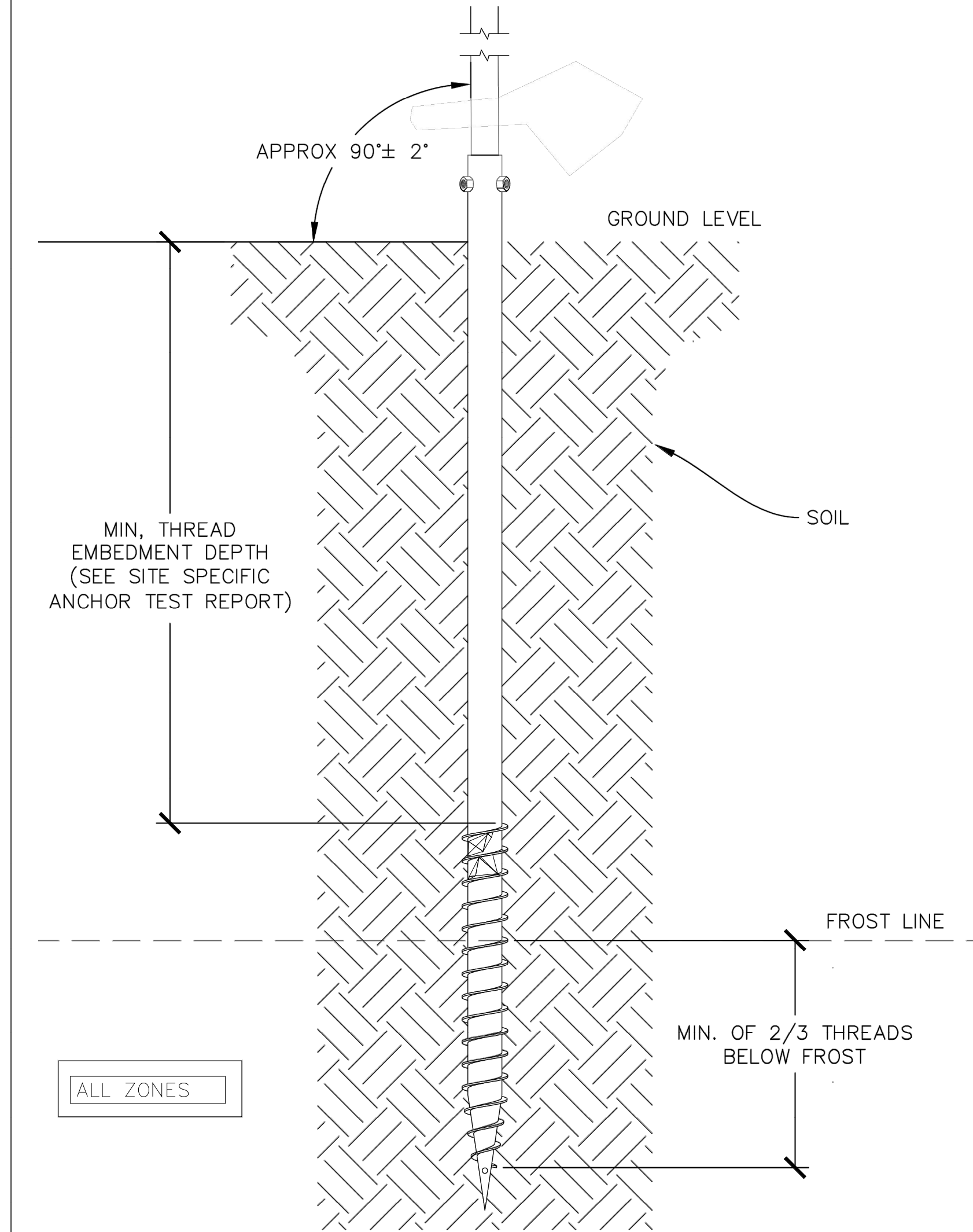
D2 SECTION: SCREW PILE



C1 SECTION: PILE ASSEMBLY

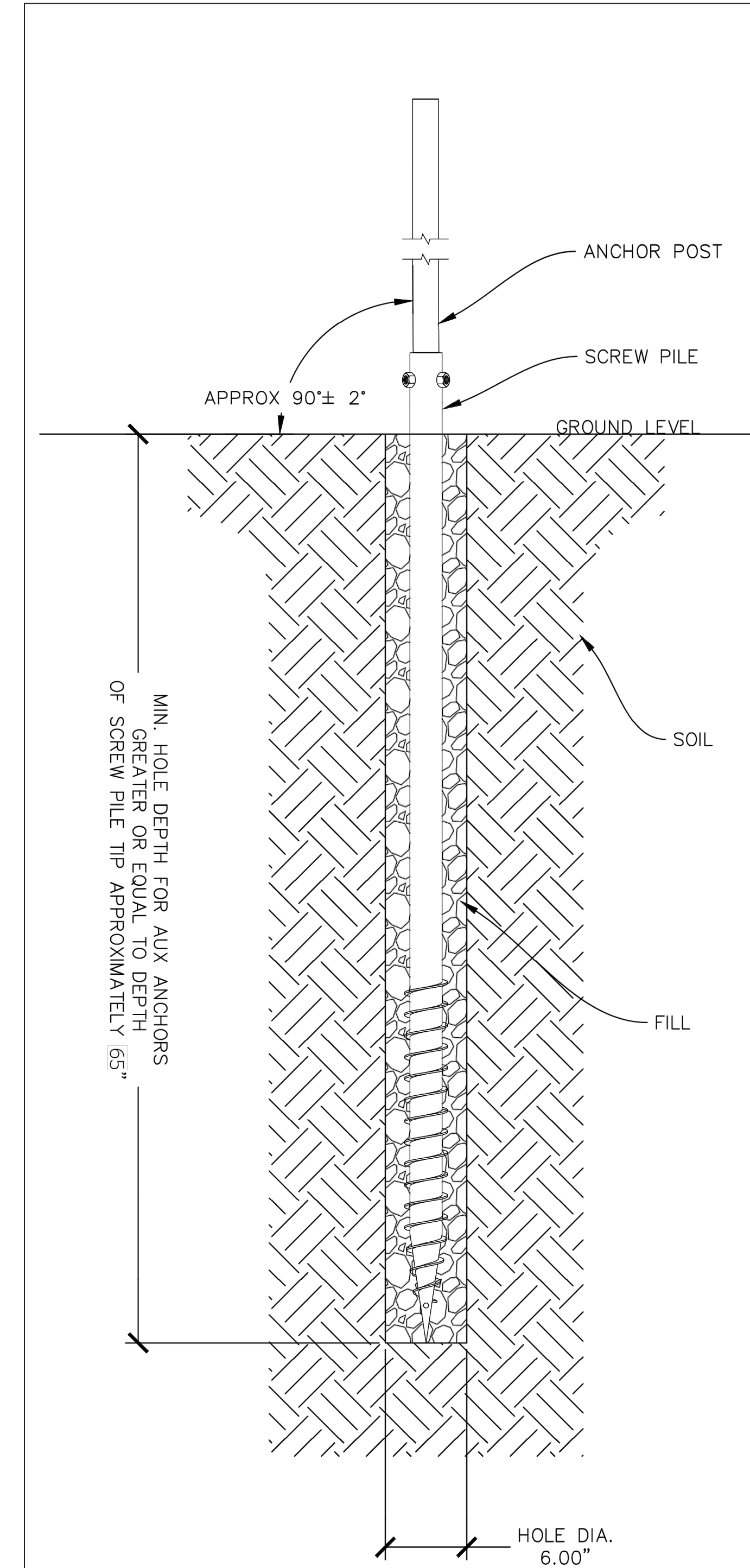


A1 CONNECTION: POST-TO-PILE



NOTES:
1. LENGTH & THREADS MAY VARY, SEE SHEET NOTES
2. EMBEDMENT DEPTH PER GEOTECHNICAL ENGINEER APPROVED ANCHOR TEST REPORT, NOT BY JDI GROUP.

A2 INSTALL OPTION 2: PILOT HOLE: PROFILE-SOIL CUTAWAY



NOTE: EMBEDMENT DEPTH PER GEOTECHNICAL ENGINEER APPROVED ANCHOR TEST REPORT, NOT BY JDI GROUP.

A3 INSTALL OPTION 1: PRE-DRILL: PROFILE-SOIL CUTAWAY



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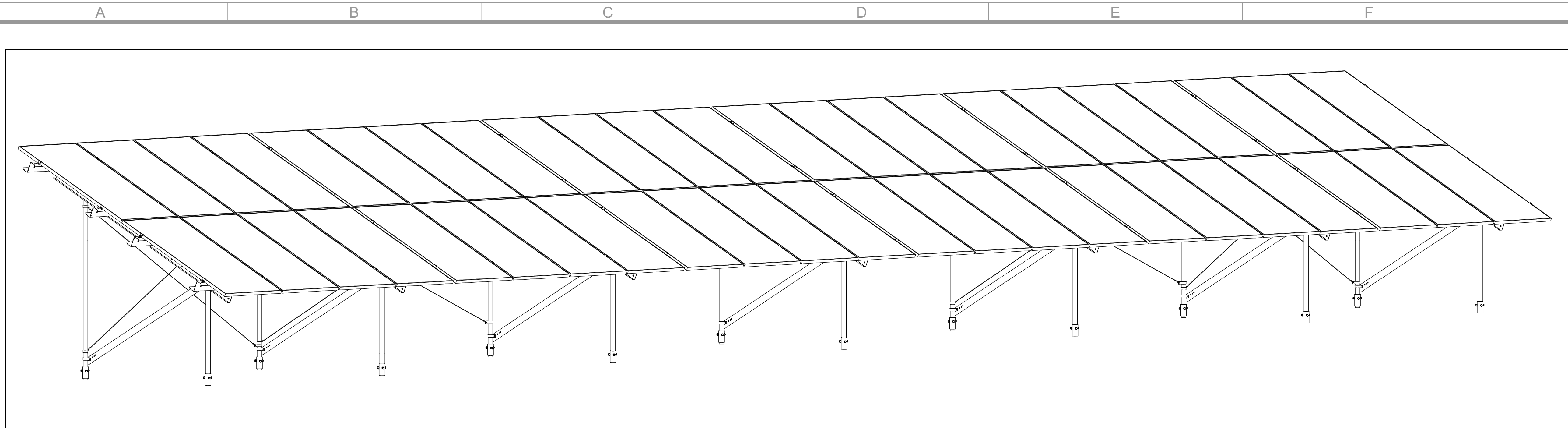
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DATE	REVISIONS	DESIGNED	CHECKED	APPROVED
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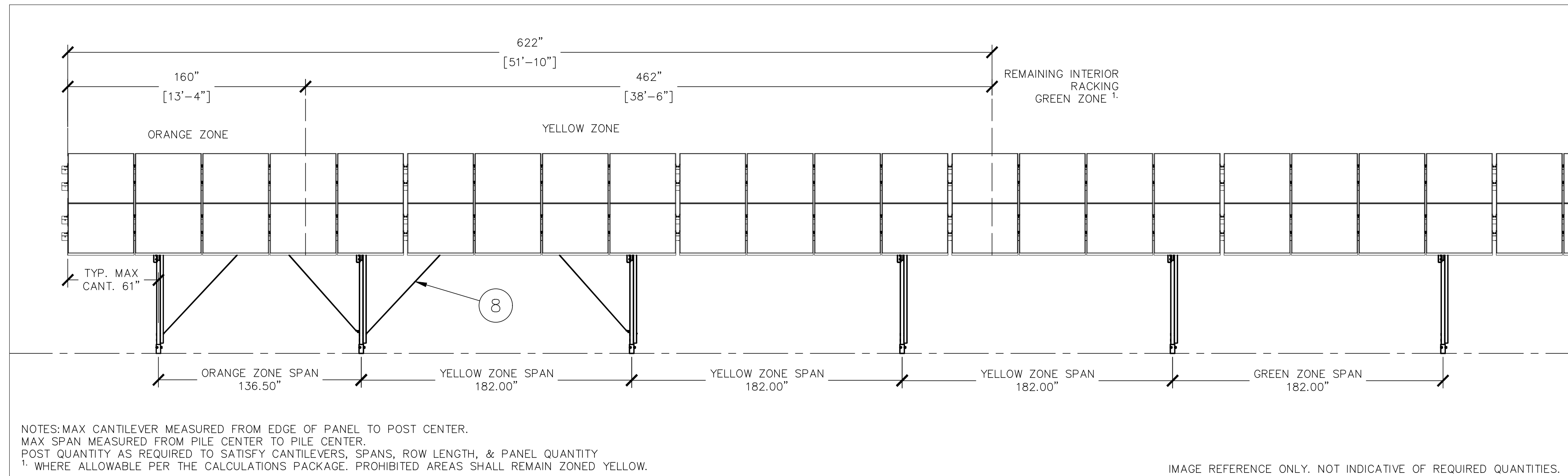
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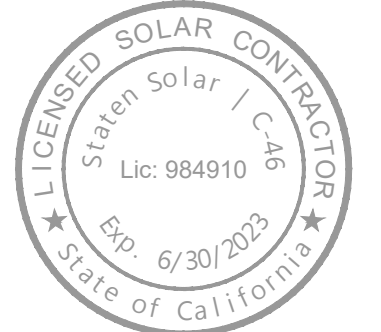
1 3D VIEW

Scale: NTS



2 ELEVATION VIEW FROM FRONT (NORTH FACING)

Scale: NTS



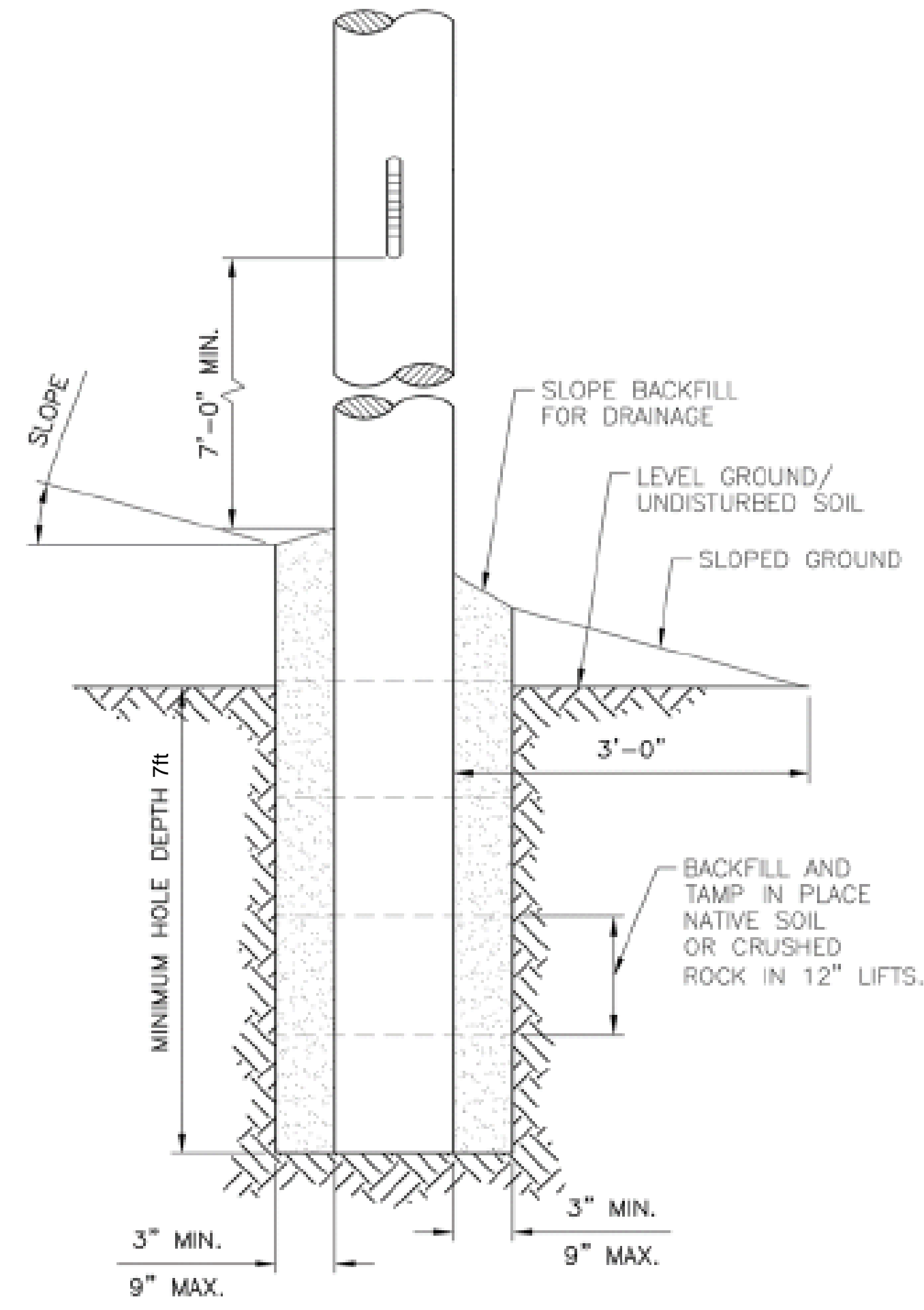
South Tahoe Public Utilities District
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NAME OF CUSTOMER: South Tahoe Public Utilities District
 TITLE: Details
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 PROJECT LOCATION: 1275 Meadow Crest Dr, South Lake Tahoe, CA 96150, USA

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DWG NO: E-3
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1 (N) UTILITY POLE

Scale: NTS

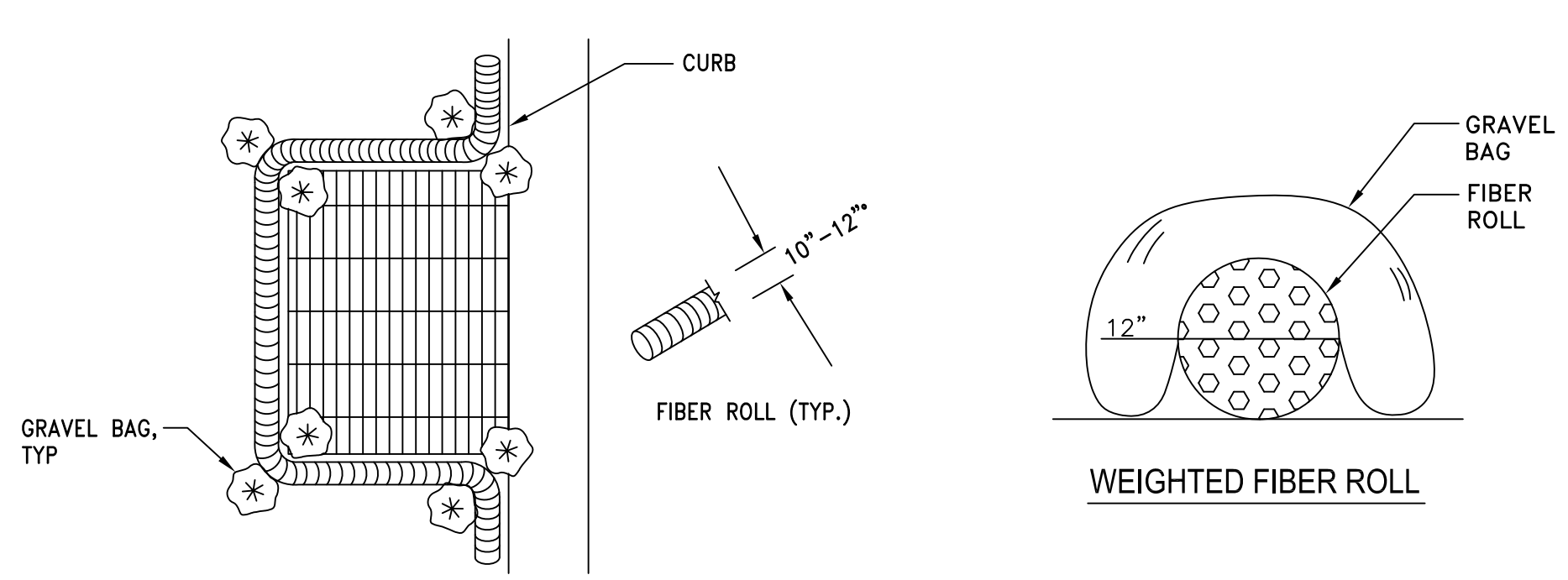
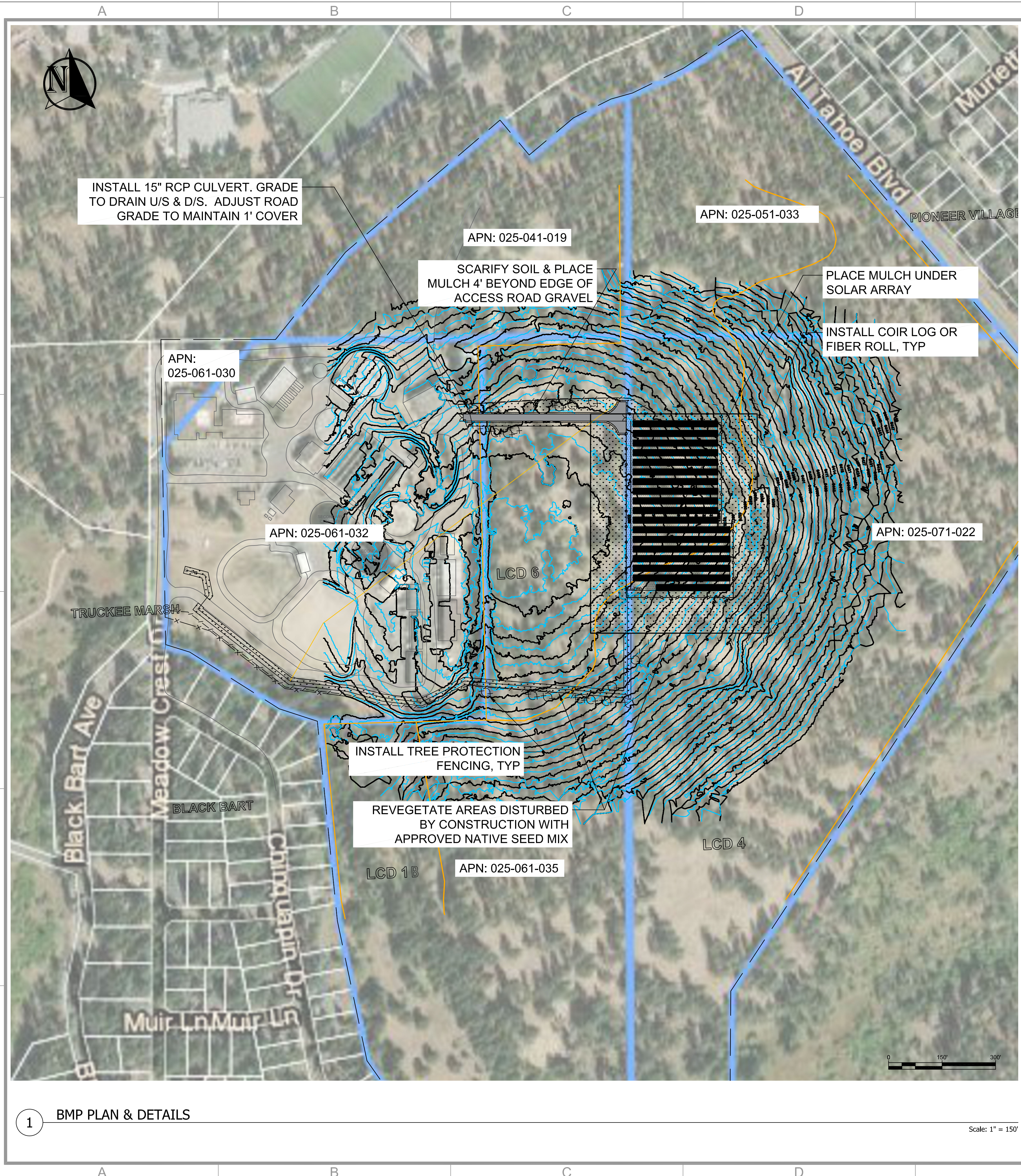
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0	11-23-2022	DATE	REMARKS
			INITIAL SUBMITTAL

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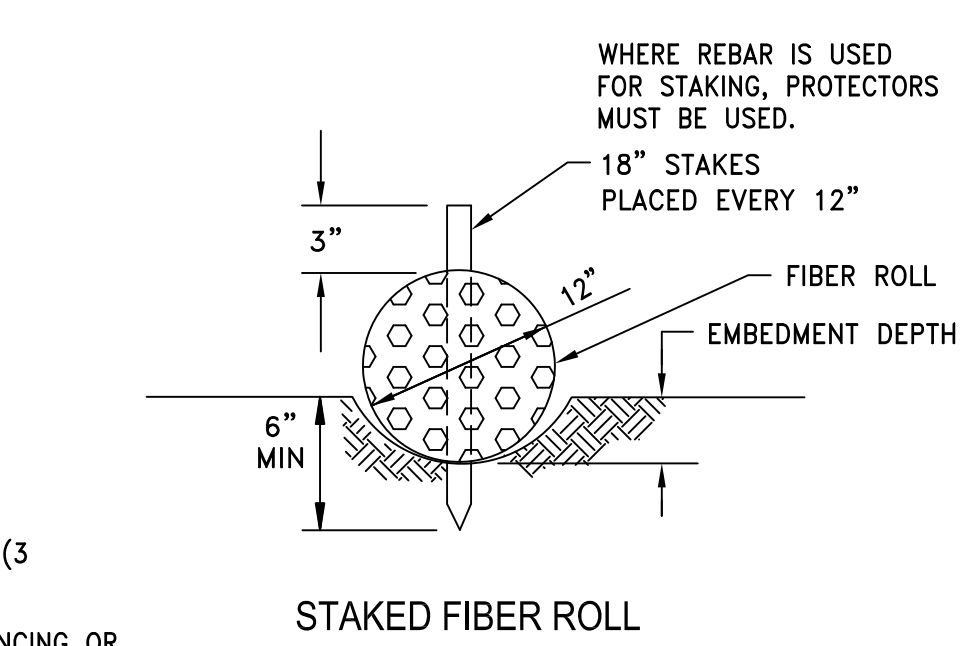
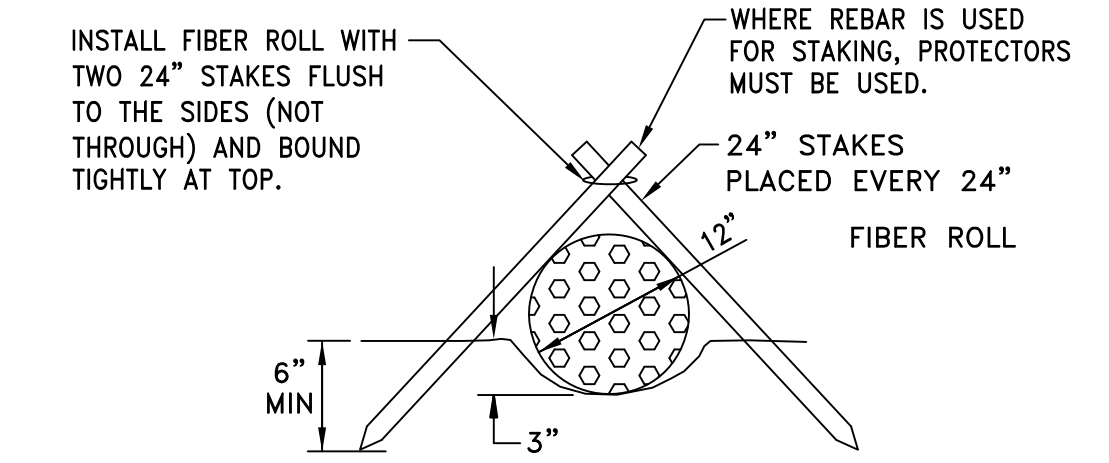
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 PROJ NO: **STP-127**

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- NOTES:
1. PROTECT FLOWLINE AROUND DI OR ANCHOR ACROSS TRENCH AS IN FIBER ROLL DETAIL.
 2. STAKE OR ANCHOR W/GRAVEL BAGS IN PLACE.
 3. INSTALL FILTER FABRIC UNDER CATCH BASIN GRATE DURING CONSTRUCTION. REPLACE FILTER FABRIC WEEKLY.

FIBER ROLL DI PROTECTION



- NOTES:
1. FOR STAKED FIBER ROLL, EMBEDMENT DEPTH TO BE D/3 OR PER MFG RECOMMENDATIONS.
 2. WEIGHTED FIBER ROLL TO BE USED IN LOCATIONS WHERE EMBEDMENT IS NOT POSSIBLE.
 3. CONTRACTOR TO INSTALL FIBER ROLL ADJACENT TO WATER LINE EXCAVATION TO PREVENT DISCHARGE OF SEDIMENT TO STORM DRAIN.
 4. GRAVEL BAG FOR WEIGHTED FIBER ROLL TO BE FILLED WITH CLEAN WASHED 3/4\"/>

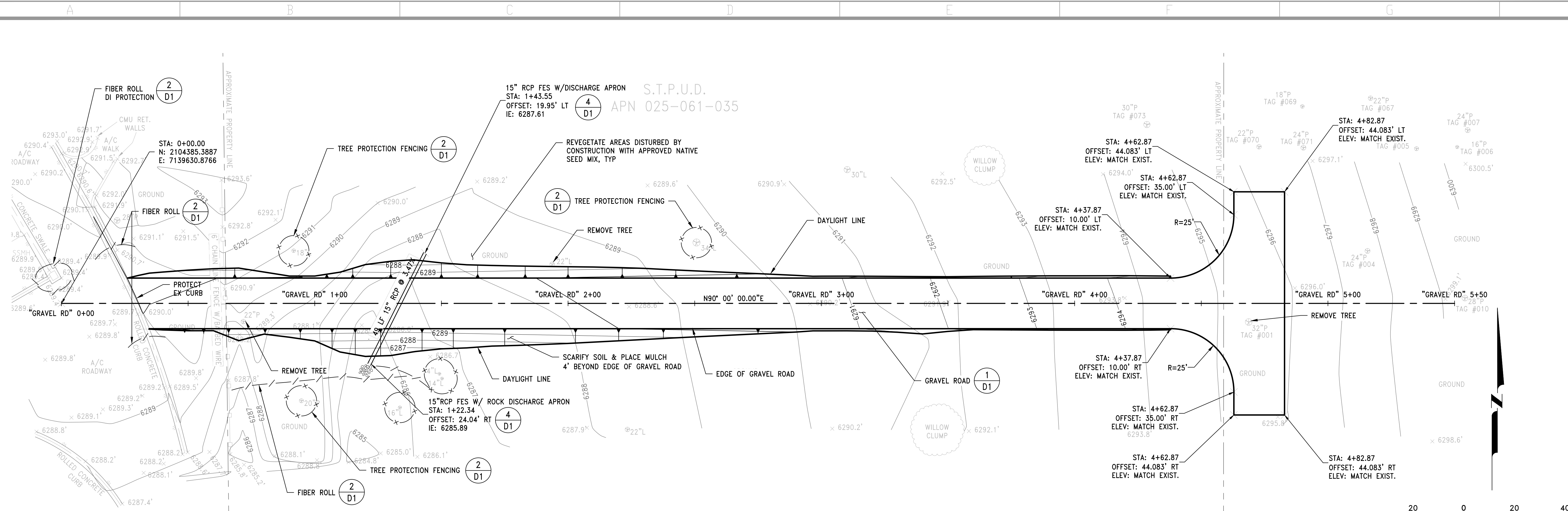
TREE PROTECTION FENCING

TEMPORARY CONTROLS
SCALE: N.T.S.

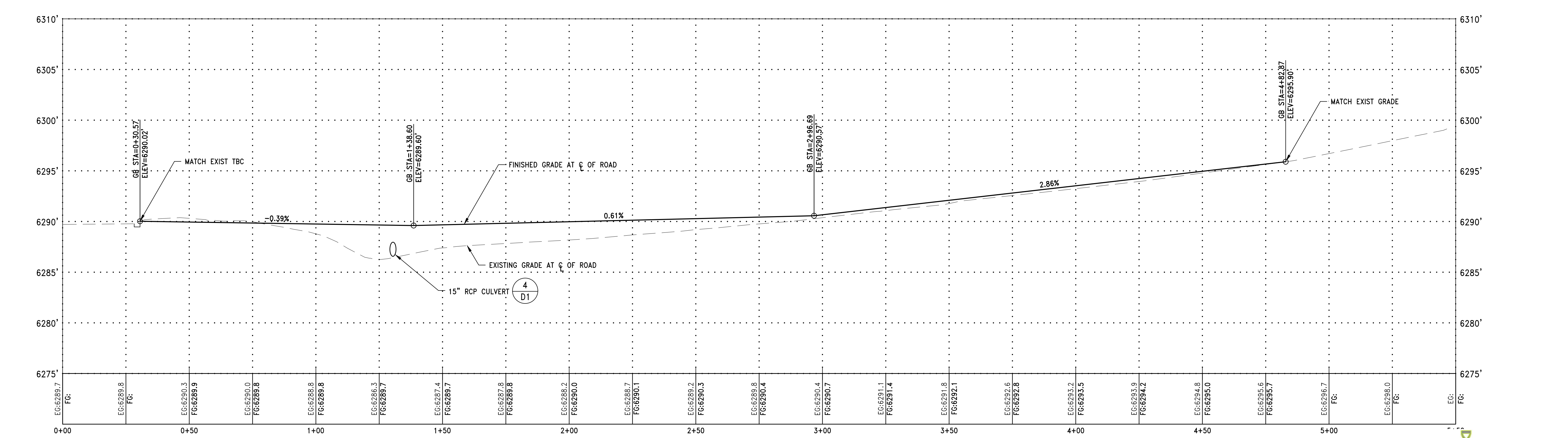
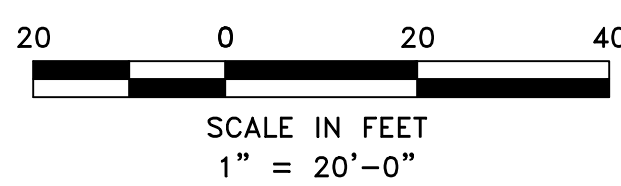
PRELIMINARY
FOR REVIEW
NOT FOR CONSTRUCTION
DATE: 08-01-2023



South Tahoe Public Utilities District	BMP Plan	1347 92 kW DC Ground Mount Photovoltaic System, (2324) 580W Trima Solar Modules 1275 Meadow Crest Dr, South Lake Tahoe, CA 96150, USA
NAME OF CUSTOMER:	TITLE:	SUBJECT:
PROJECT LOCATION:		
DESIGNED: JGR	CHECKED: JGR	APPROVED: JGR
DATE: 07-31-2023	REMARKS: INITIAL SUBMITTAL	
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 EASTERN SIERRA ENGINEERING 2280 DOUGLASS CANYON RD. SUITE 401 TWIN FALLS, IDAHO 83403	DWG NO: BMP-1 PROJ NO: 23219-4	



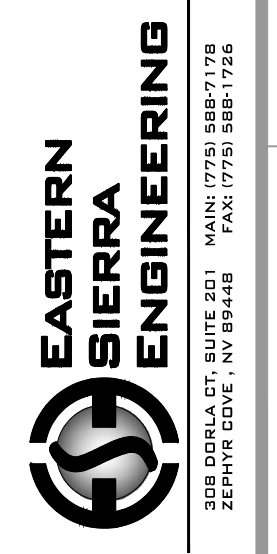
PLAN
STA 0+00-5+50
SCALE 1"=20'



PROFILE
0+00-5+50
SCALE HORIZ: 1"=20' VERT: 1"=5'

South Tahoe Public Utilities District
PLAN & PROFILE
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07-31-2023	0	INITIAL SUBMITTAL	
		DESIGNED	
		CHECKED	
		APPROVED	



DWG NO: C2
PROJ NO: 23219-4