



CITY OF EL PASO DE ROBLES
"The Pass of the Oaks"
Development Review Committee Agenda

Monday, June 16, 2025, 3:30 PM
Large Conference Room - 2nd Floor
1000 SPRING ST
Paso Robles, CA 93446

This is an in-person meeting. Written public comments can be submitted via email to planning@prcity.com. Those received prior to 12:00 noon on the day of the meeting to be posted to the City's website as an addendum to the agenda. If submitting written comments in advance of the meeting, please note the agenda item by number or name.

AMERICANS WITH DISABILITIES ACT

Any individual, who because of a disability needs special assistance to attend or participate in this meeting, may request assistance by contacting the City Clerk's Office (805) 237-3960. Whenever possible, requests should be made four (4) working days in advance of the meeting.

Pages

A. CALL TO ORDER

B. ROLL CALL

C. DISCUSSION ITEMS

2

1. Item 1

File #: P25-0041 / PD 25-03

Requested Action: DRC Recommendation

Application: Development Plan Amendment to establish a new laydown storage yard and new solar array field.

Location: 4380 Hwy 46 E

Applicant: Quest Planning

D. ADJOURNMENT

EROSION CONTROL

1. ALL EROSION CONTROL WORK SHALL CONFORM TO CITY OF PASO DE ROBLES EROSION CONTROL ORDINANCE AND THE STORMWATER POLLUTION PREVENTION PLAN AS PREPARED BY CLAD CONSULTING, WDI0 NO. 340G384006.
2. ALL DISTURBED SURFACES RESULTING FROM GRADING OPERATIONS SHALL BE PREPARED AND MAINTAINED TO CONTROL EROSION. THIS CONTROL MAY CONSIST OF EFFECTIVE PLANTING, SUCH AS RYE GRASS, BARLEY OR SOME OTHER FAST GERMINATING SEED. THE PROTECTION FOR THE SLOPES SHALL BE INSTALLED AS SOON AS PRACTICABLE AND PRIOR TO CALLING FOR FINAL INSPECTION. THE BUILDING OFFICIAL MAY REQUIRE WATERING OF PLANTED AREAS TO ASSURE GROWTH. WHERE IT IS DETERMINED BY THE BUILDING OFFICIAL THAT CUT SLOPES ARE NOT SUBJECT TO EROSION DUE TO THE EROSION-RESISTANT CHARACTER OF THE MATERIALS, SUCH PROTECTION MAY BE OMITTED. CHECK DAMS, CRIBBING, RIPRAP OR OTHER DEVICES OR METHODS SHALL BE EMPLOYED TO CONTROL EROSION. DUST FROM GRADING OPERATION MUST BE CONTROLLED. THE OWNER OR CONTRACTOR MAY BE REQUIRED TO KEEP ADEQUATE EQUIPMENT ON THE GRADING SITE TO PREVENT DUST PROBLEMS.
3. THIS PLAN IDENTIFIES POTENTIAL SOURCES OF POLLUTANTS OF STORM WATER, PRESENTS POLLUTION CONTROL MEASURES, AND ASSISTS IN ENSURING IMPLEMENTATION AND MAINTENANCE OF THE BEST MANAGEMENT PRACTICES (BMPS) LOCATED HEREIN. SEDIMENT IS A POTENTIAL POLLUTANT AND THE BMPS WERE SELECTED AND PLACED FOR OPTIMAL EROSION AND SEDIMENTATION CONTROL.
4. THE NEED FOR EROSION CONTROL DEVICES WILL VARY ACCORDING TO THE SEASON DURING CONSTRUCTION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PLACE BMPS WHEREVER NECESSARY TO PREVENT EROSION AND SEDIMENTATION.
5. TEMPORARY EROSION CONTROL DEVICES ARE TO BE MAINTAINED BY THE CONTRACTOR AND KEPT IN OPERATION UNTIL SUBSEQUENT PROJECT WORK ELIMINATES THEIR NEED. IT MAY BE NECESSARY TO MOVE, ADJUST, REPLACE, OR CHANGE THE SHAPE OF THE EROSION CONTROL DEVICES DURING THE COURSE OF THE PROJECT. EROSION CONTROL MEASURES SHALL NOT BE REMOVED WITHOUT APPROVAL FROM THE ENGINEER OR COUNTY INSPECTOR.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH THIS PLAN AND FOR MAINTENANCE OF BMPS. ALL CONTRACTORS AND THEIR PERSONNEL WHOSE WORK CAN CONTRIBUTE TO OR CAUSE POLLUTION OF STORM WATER SHOULD BE MADE FAMILIAR WITH THIS POLLUTION PREVENTION PLAN. ADEQUATE TRAINING FOR IMPLEMENTATION OF THE MEASURES PRESENTED HEREIN SHALL BE PROVIDED BY THE CONTRACTOR TO THEIR PERSONNEL.
7. THE EROSION CONTROL DEVICES ON THIS PLAN ARE A GENERAL CONCEPT OF WHAT MAY BE REQUIRED. EROSION CONTROL DEVICES MAY BE RELOCATED, DELETED OR ADDITIONAL ITEMS MAY BE REQUIRED DEPENDING ON THE ACTUAL SOIL CONDITIONS ENCOUNTERED. EROSION CONTROL DEVICES MAY BE PLACED AT THE DISCRETION OF THE ENGINEER OR THE CITY INSPECTOR.
8. CHANGES IN CONSTRUCTION OR IN A CONDITION WHICH ARE NOT COVERED BY THIS PLAN SHOULD BE BROUGHT TO THE ATTENTION OF THE ENGINEER. THE QSD SHALL BE RESPONSIBLE FOR UPDATING THE SWPPP AND THIS EROSION AND SEDIMENTATION CONTROL PLAN AS REQUIRED, ADDRESSING THE CHANGING SITE CONDITIONS.
9. A STANDBY CREW FOR EMERGENCY WORK SHALL BE AVAILABLE AT ALL TIMES DURING THE RAINY SEASON. NECESSARY MATERIALS SHALL BE AVAILABLE AND STOCKPILED AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF TEMPORARY DEVICES WHEN RAIN IS IMMINENT.
10. ALL PROTECTIVE DEVICES DIRECTED TO BE INSTALLED SHALL BE IN PLACE AT THE END OF EACH WORK DAY WHEN THE FIVE DAY RAIN PROBABILITY EXCEEDS 40% AS FORECAST BY THE NATIONAL WEATHER SERVICE (<http://www.noaa.gov/>).
11. THIS PLAN MUST BE KEPT ON-SITE DURING CONSTRUCTION ACTIVITY AND MADE AVAILABLE UPON REQUEST OF A REPRESENTATIVE OF THE LOCAL AGENCY.
12. CONTRACTOR WILL INSPECT BMPS BEFORE, AFTER AND EVERY 24 HOURS DURING EXTENDED STORM EVENTS. THE CONTRACTOR WILL RECORD CONDITIONS OF THE BMPS AND ANY ACTIVITIES REQUIRED FOR MAINTAINING, REPAIRING BMPS. MONITORING INCLUDES MAINTAINING A FILE DOCUMENTING ON-SITE INSPECTIONS, PROBLEMS ENCOUNTERED, CORRECTIVE ACTIONS, AND NOTES AND A REDLINE MAP OF REMEDIAL IMPLEMENTATION MEASURES. COPIES OF THESE REPORTS WILL BE KEPT ON-SITE AND WILL BE AVAILABLE FOR REVIEW.
13. THIS PLAN OFFERS METHODS FOR CONTROL OF SOIL EROSION AND SEDIMENT DURING GRADING AND CONSTRUCTION OPERATIONS. NO WARRANTY IS STATED OR IMPLIED THAT, DURING AN UNUSUAL STORM EVENT, IMPLEMENTATION OF THESE METHODS WILL PREVENT DAMAGE AS A RESULT OF SOIL EROSION. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR PROPER INSTALLATION OF BMPS, ANY AND ALL DAMAGE TO OWNER'S PROPERTY, ADJACENT PROPERTY, AND CONTRACTOR'S ON GOING WORK.
14. LOCATION OF DEBRIS RECEPTACLES, VEHICLES STAGING AREA AND MATERIALS STORAGE AREA TO BE DETERMINED BY CONTRACTOR.
15. PETROLEUM PRODUCTS, CHEMICALS, AND OTHER POTENTIAL POLLUTANT MATERIAL KEPT ON-SITE IN MINOR QUANTITIES WILL BE STORED IN WATERPROOF CONTAINERS AND CONTINUALLY MONITORED TO PREVENT LEAKS OR ACCIDENTAL RELEASES.
16. ALL MATERIAL EXCAVATED OR GRADED SHALL BE SUFFICIENTLY WATERED TO PREVENT EXCESSIVE AMOUNTS OF DUST. WATERING SHALL OCCUR AT LEAST TWICE DAILY WITH COMPLETE COVERAGE, PREFERABLY IN THE LATE MORNING AND AFTER WORK IS FINISHED FOR THE DAY.
17. ALL CLEARING, GRADING, EARTH MOVING, OR EXCAVATION ACTIVITIES SHALL CEASE DURING PERIODS OF HIGH WINDS SO AS TO PREVENT EXCESSIVE AMOUNTS OF DUST OR VISIBLE SITE DISTURBANCE.
18. ALL MATERIAL TRANSPORTED OFF-SITE SHALL BE EITHER SUFFICIENTLY WATERED OR SECURELY COVERED TO PREVENT EXCESSIVE AMOUNTS OF DUST.
19. THE AREA DISTURBED BY CLEARING, GRADING, EARTH MOVING, OR EXCAVATION OPERATIONS SHALL BE MINIMIZED SO AS TO PREVENT EXCESSIVE AMOUNTS OF DUST.
20. PERMANENT DUST CONTROL MEASURES DESCRIBED HEREIN SHALL BE IMPLEMENTED AS SOON AS POSSIBLE FOLLOWING COMPLETION OF ANY SOIL DISTURBING ACTIVITIES.
21. ON-SITE VEHICLE SPEED SHALL BE LIMITED TO 15 MPH FOR ANY UNPAVED SURFACE.
22. ALL UNPAVED AREAS WITH VEHICLE TRAFFIC SHALL BE WATERED AT LEAST TWICE PER DAY, USING NON-POTABLE WATER.
23. STREETS ADJACENT TO THE PROJECT SITE SHALL BE SWEEPED DAILY TO REMOVE SILT WHICH MAY HAVE ACCUMULATED FROM CONSTRUCTION ACTIVITIES SO AS TO PREVENT EXCESSIVE AMOUNTS OF DUST FROM LEAVING THE SITE.
24. DUST CONTROL SHALL COMPLY WITH CITY OF PASO DE ROBLES STANDARDS.
25. WHEN WINTER GRADING OPERATIONS TAKE PLACE, THE FOLLOWING MEASURES MUST BE TAKEN TO MITIGATE ACCELERATED EROSION:

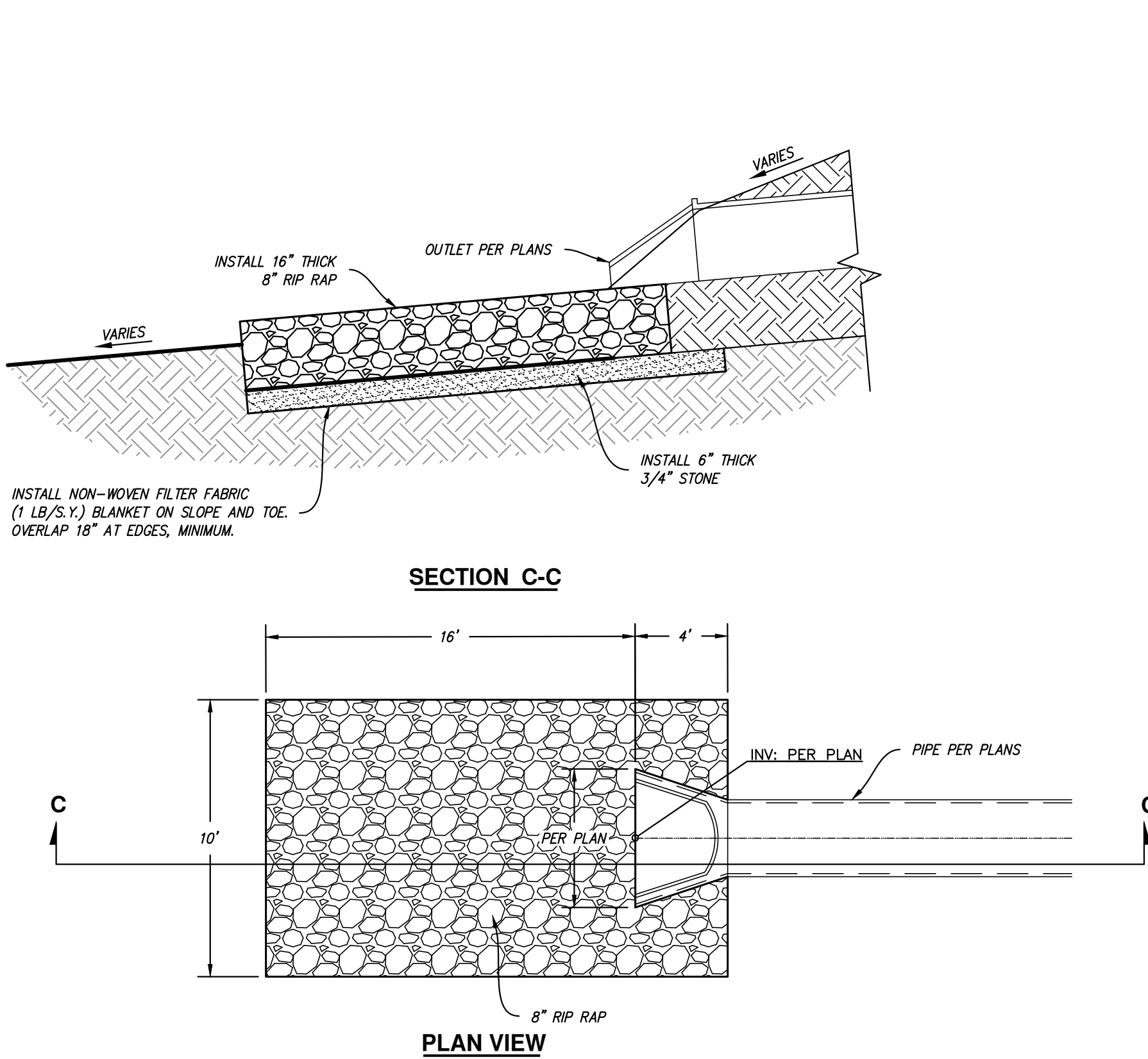
VEGETATION REMOVAL BETWEEN OCTOBER 15TH AND APRIL 15TH SHALL NOT PRECEDE SUBSEQUENT GRADING OR CONSTRUCTION ACTIVITIES BY MORE THAN 15 DAYS. DURING THIS PERIOD, EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IN PLACE.

BETWEEN OCTOBER 15TH AND APRIL 15TH, DISTURBED SURFACES NOT INVOLVED IN THE IMMEDIATE OPERATIONS MUST BE PROTECTED BY MULCHING AND/OR OTHER EFFECTIVE MEANS OF SOIL PROTECTION.

RUN-OFF FROM THE SITE SHALL BE DETAINED OR FILTERED BY BERMS, VEGETATED FILTER STRIPS AND/OR CATCH BASINS TO PREVENT THE ESCAPE OF SEDIMENT FROM THE DISTURBED AREA OR SITE. THESE DRAINAGE CONTROL MEASURES MUST BE MAINTAINED BY THE CONTRACTOR AS NECESSARY TO ACHIEVE THEIR PURPOSE THROUGHOUT THE LIFE OF THE PROJECT.

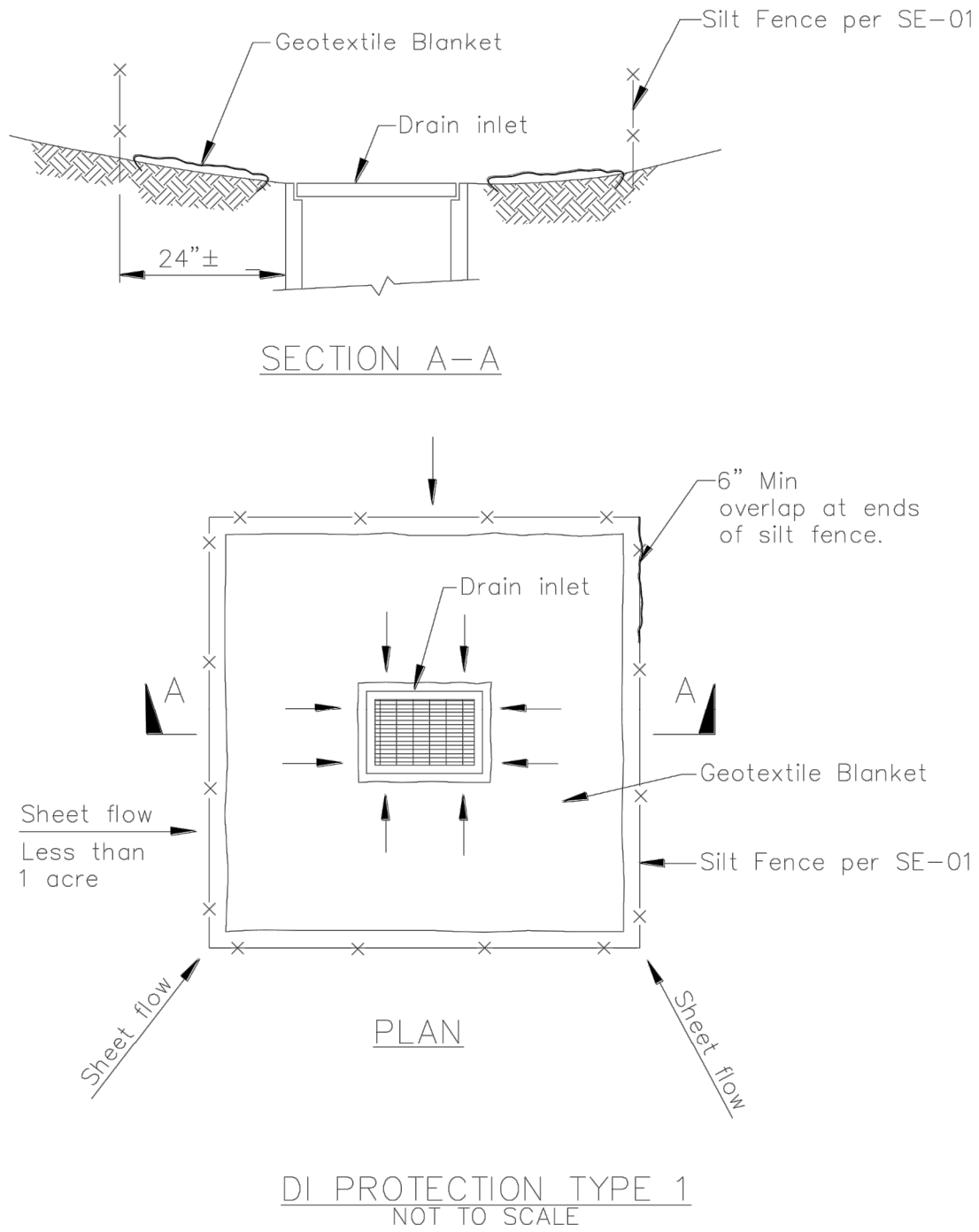
EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IN PLACE AT THE END OF EACH DAY'S WORK.

THE GRADING INSPECTOR MAY STOP OPERATIONS DURING PERIODS OF INCLEMENT WEATHER IF EROSION PROBLEMS ARE NOT BEING CONTROLLED ADEQUATELY.



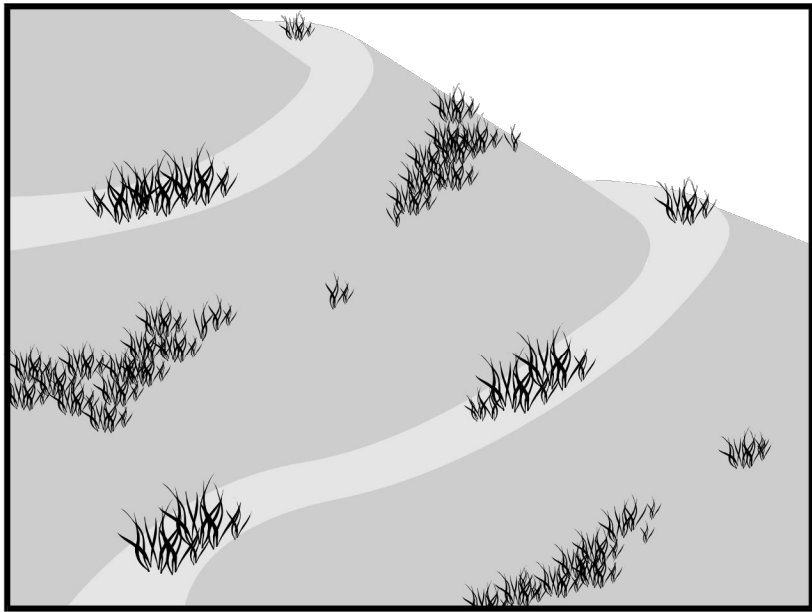
OUTLET ROCK SLOPE PROTECTION

Storm Drain Inlet Protection SE-10



- NOTES:
1. For use in areas where grading has been completed and final soil stabilization and seeding are pending.
 2. Not applicable in paved areas.
 3. Not applicable with concentrated flows.

Hydroseeding EC-4



Description and Purpose

Hydroseeding typically consists of applying a mixture of a hydraulic mulch, seed, fertilizer, and stabilizing emulsion with a hydraulic mulcher, to temporarily protect exposed soils from erosion by water and wind. Hydraulic seeding, or hydroseeding, is simply the method by which temporary or permanent seed is applied to the soil surface.

Suitable Applications

Hydroseeding is suitable for disturbed areas requiring temporary protection until permanent stabilization is established, for disturbed areas that will be re-disturbed following an extended period of inactivity, or to apply permanent stabilization measures. Hydroseeding without mulch or other cover (e.g. EC-7, Erosion Control Blanket) is not a stand-alone erosion control BMP and should be combined with additional measures until vegetation establishment.

Typical applications for hydroseeding include:

- Disturbed soil/graded areas where permanent stabilization or continued earthwork is not anticipated prior to seed germination.
- Cleared and graded areas exposed to seasonal rains or temporary irrigation.
- Areas not subject to heavy wear by construction equipment or high traffic.

Categories	
EC	Erosion Control <input checked="" type="checkbox"/>
SE	Sediment Control
TC	Tracking Control
WE	Wind Erosion Control <input checked="" type="checkbox"/>
NS	Non-Stormwater Management Control
WM	Waste Management and Materials Pollution Control

Legend:

- ☒ Primary Category
- ☒ Secondary Category

Targeted Constituents	
Sediment	<input checked="" type="checkbox"/>
Nutrients	
Trash	
Metals	
Bacteria	
Oil and Grease	
Organics	

Potential Alternatives	
EC-3 Hydraulic Mulch	
EC-5 Soil Binders	
EC-6 Straw Mulch	
EC-7 Geotextiles and Mats	
EC-8 Wood Mulching	
EC-14 Compost Blanket	
EC-16 Non-Vegetative Stabilization	
If User/Subscriber modifies this fact sheet in any way, the CASQA name/logo and footer below must be removed from each page and not appear on the modified version.	



APPROVED:

REGISTERED PROFESSIONAL ENGINEER
JESSE G. KALTENBERG
NO 800331
CIVIL
STATE OF CALIFORNIA

DIVERSIFIED PROJECT SERVICES
INTERNATIONAL
1001 125th Street, Suite 100
San Diego, CA 92108
www.dpsinc.com

DATE	REV	REVISIONS	APP
02/04/25	A	ISSUED FOR REVIEW	
04/28/25	B	ISSUED FOR REVIEW	

DETAIL SHEET

STORAGE LAYDOWN YARD
GRADING & DRAINAGE PLANS
ENTRADA DE PASO ROBLES, PASO ROBLES,
CALIFORNIA, COUNTY OF SAN LUIS OBISPO

SHEET

4

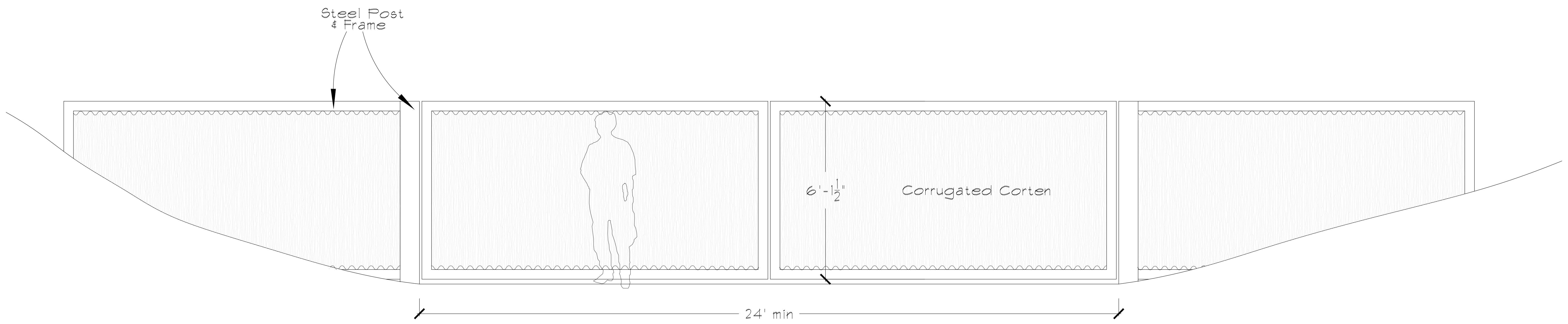
OF 4 SHEETS

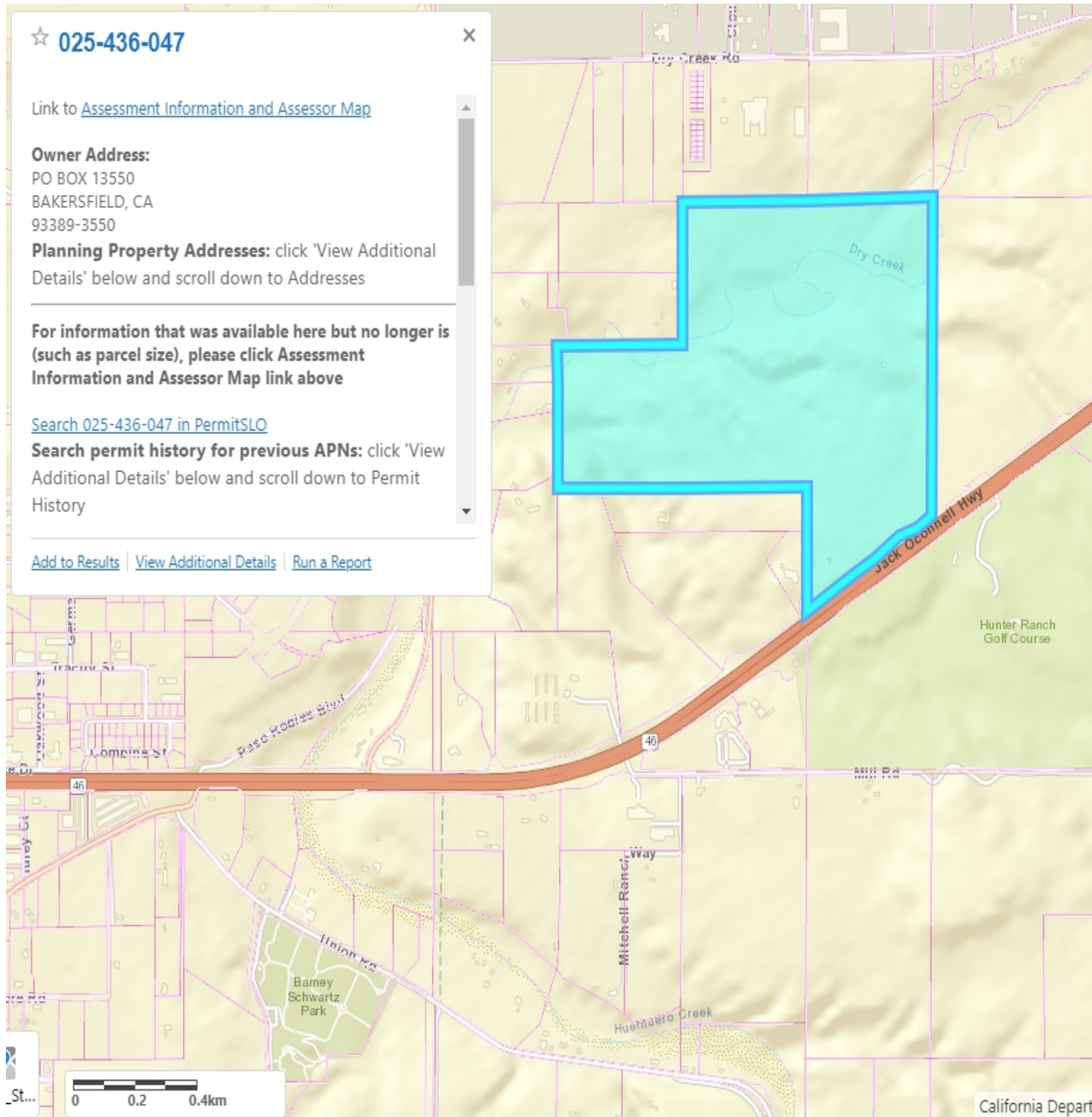
PROJECT : 181066

PLOTTED: 2025-06-02

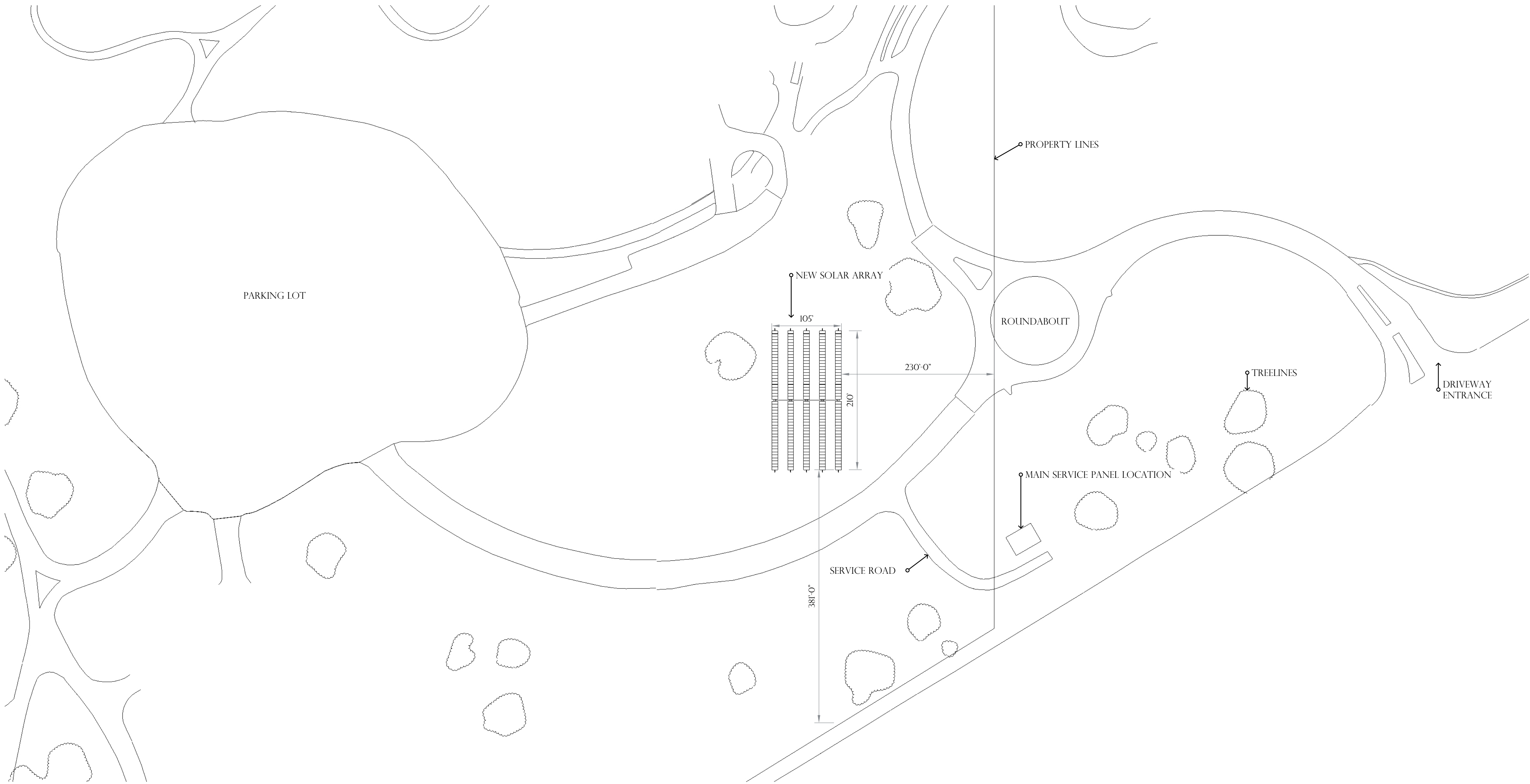
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Page 5 of 11





SITE LOCATION :
SCALE: NTS:



PROJECT DETAILS :
SCALE: NTS:

SENSORIO PASO ROBLES

PARCEL # 025-436-047

KEN HUNTER
4380 CA-46
PASO ROBLES CA

124.2KW PHOTOVOLTAIC SYSTEM GROUND MOUNTED GRID-TIED

(230) HELIENE 540W MODULES
(2) SOLECTRIA PVI-60TL-480V INVERTERS
(1) SUBPANEL
(1) DISCONNECT

GOVERNING CODES

2022 CA ELECTRICAL CODE
2022 CA BUILDING CODE
2022 CA FIRE CODE
2022 CA RESIDENTIAL CODE
2022 CA PLUMBING CODE
2022 CA ENERGY CODE
AHJ MUNICIPAL CODE - CITY OF PASO ROBLES

SHEET # SHEET DESCRIPTION

PV01 TITLE SHEET
PV02 SITE LAYOUT
PV03 SINGLE LINE DIAGRAMS & CALCS
PV04 SIGNAGE & DETAILS
PV05 SUPPORTING DOCUMENTS

ELECTRICAL NOTES

- ELECTRICAL POWER MUST BE SHUT OFF PRIOR TO THE CONTRACTOR PERFORMING ANY WORK IN RACEWAYS WITH LIVE ELECTRICAL CIRCUITS OR ANY OTHER EQUIPMENT. WHEN SWITCHES OR CIRCUIT BREAKERS ARE OPENED FOR WORK ON ELECTRICAL EQUIPMENT OR WIRING, SIGNS OR TAGS SHOULD BE INSTALLED AT THE SWITCH OR BREAKER STATING THAT WORK IS BEING PERFORMED ON THEM. INCLUDE THE TIME, DATE, AND CONTRACTORS NAME ON THE SIGN OR TAG. IF DEVICE IS LOCKABLE, IT SHOULD BE PADLOCKED.
- ANY DC DISCONNECTS ON INVERTERS TO BE READILY ACCESSIBLE AND MOUNTED NO HIGHER THAN 6'-7".
- PV CONDUCTORS LOCATED UNDER ARRAY NOT READILY ACCESSIBLE.
- EMT CAN BE SUBSTITUTED FOR GRS (GALVANIZED RIGID STEEL) WHEN IN READILY ACCESSIBLE LOCATIONS
- MARKING TO BE PLACED ON ALL INTERIOR / EXTERIOR D/C CONDUIT, RACEWAYS, ENCLOSURES, AND CABLE ASSEMBLIES EVERY 10 FEET, AT TURNS AND ABOVE OR BELOW PENETRATIONS AND AT ALL D/C COMBINER AND JUNCTION BOXES.
- PV LABELING TO BE WEATHER-RESISTIVE SIGNAGE. SYSTEM TO BE CHECKED FOR ANTI-ISLANDING AT TIME OF INSPECTION. (1103 CEC)
- GROUNDING ELECTRODE CONDUCTOR (GEC) SHALL BE CONTINUOUS AND/OR IRREVERSIBLY SPLICED/WELDED.
- EXISTING SUBPANELS ARE NOT CAPABLE OF BACKFEEDING ANY POWER TO THE MAIN PANEL. ONLY PV POWER NEEDS TO BE TAKEN INTO CONSIDERATION OF BACK FED LOADS.
- ALL A/C SOLAR COMBINING PANELS TO HAVE SIGNAGE PER SIGNAGE DETAILS
- ALL LABELING SHALL COMPLY WITH THE 2022 CEC
- TRENCHES SHALL HAVE A MINIMUM COVER REQUIREMENT OF 18" TO THE TOP OF ANY BURIED CONDUIT. IF THE CONDUIT IS BENEATH A ROADWAY THE COVERAGE MUST BE A MINIMUM OF 24".

SHEET:

PV-1

TITLE SHEET

PHOTOVOLTAIC SYSTEM INFORMATION:

SENSORIO PASO ROBLES
KEN HUNTER
PARCEL # 025-436-047
4380 CA-46
PASO ROBLES CA

124.2KW PHOTOVOLTAIC SYSTEM
GROUND MOUNTED
GRID-TIED
(230) HELIENE 540W MODULES
(2) SOLECTRIA PVI-60TL-480V INVERTERS



CONTRACTOR INFORMATION:

AMSUN SOLAR, INC.
410 SHERWOOD RD
PASO ROBLES, CA 93446
CORY HOWE (OWNER)
PERMITTING@AMSUNSOLAR.COM
OFFICE: 805-772-6786
CA LICENSE #: 969522 | C-10
WORK COMP: STATE FUND 9219151



DESIGNED BY:
ADAM STEVENS

SHEET # SHEET DESCRIPTION

PV01 TITLE SHEET
PV02 SITE LAYOUT
PV03 SINGLE LINE DIAGRAMS & CALCS
PV04 SIGNAGE & DETAILS
PV05 SUPPORTING DOCUMENTS

AHJ APPROVAL STAMP:

DATE

NOVEMBER 1, 2024

REVISIONS

MM/DD/YY

REMARKS

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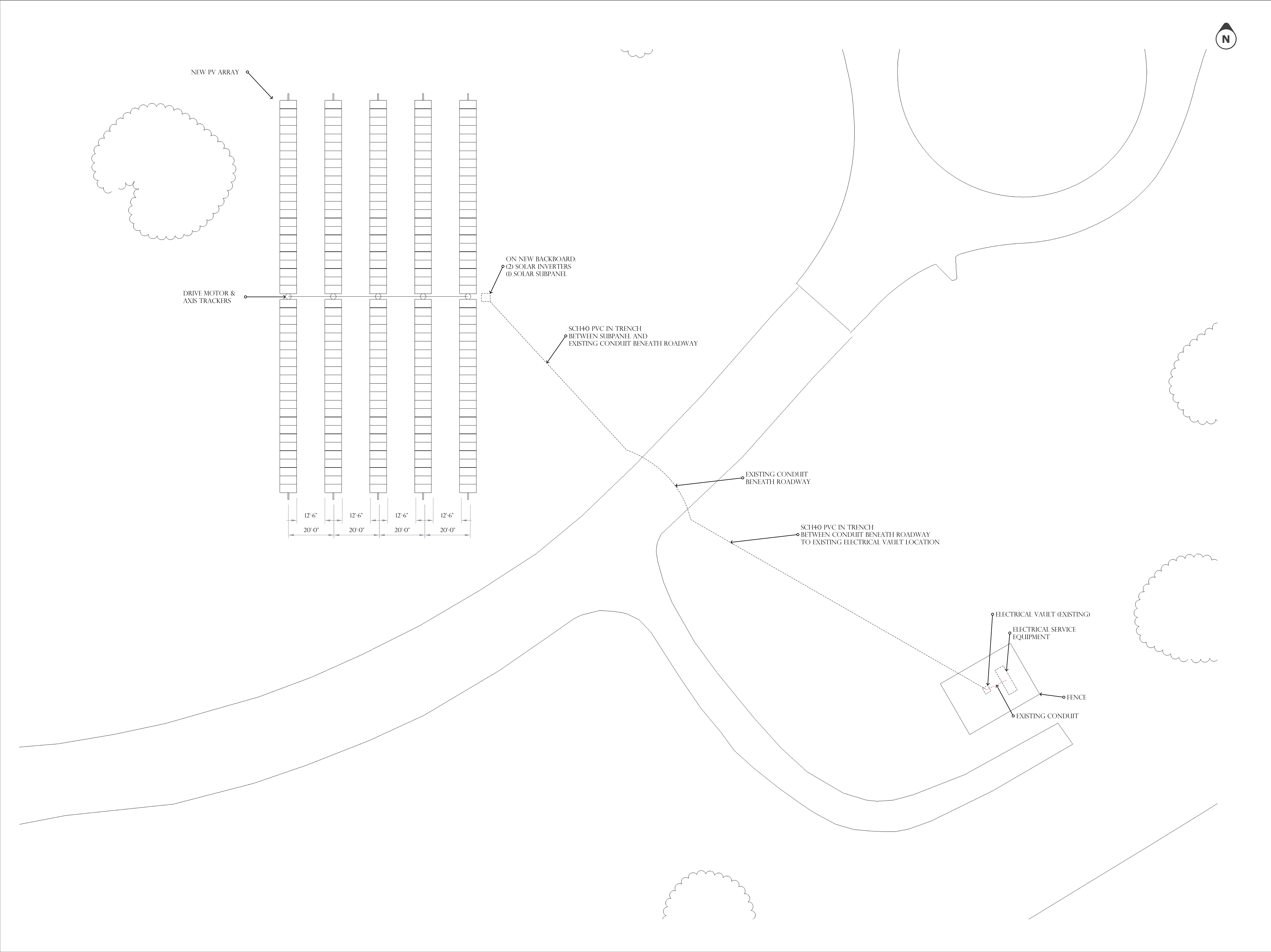
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5 --/--/--

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SHEET:
PV-2

SITE LAYOUT


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1 --/--/--	-
2 --/--/--	-
3 --/--/--	-
4 --/--/--	-
5 --/--/--	-

LEGEND	
1	1000V USE-2 CONDUCTORS UNDER ARRAY NOT READILY ACCESSIBLE 2 #10 WITH #8 GRND
2	1000V THWN-2 CONDUCTORS IN 1" EMT OR SCH40 PVC (TRENCH) FROM ARRAY TO INVERTER 2 #10 PER STRING WITH #8 GRND 2109' MAX 1000VDC MAX
3	THWN-2 CONDUCTORS IN 125' EMT FROM INVERTER TO NEW SOLAR SUBPANEL 4 #2 WITH #8 GRND 100A MAX 480V MAX
4	ALUMINUM XHHW-2 CONDUCTORS IN 2" EMT OR SCH40 PVC (TRENCH) FROM NEW SOLAR SUBPANEL TO A/C DISCONNECT 4 #250MCM WITH #4 GRND (UPSIZED FOR VOLTAGE DROP) 200A MAX 480V MAX
5	THWN-2 CONDUCTORS IN 2" EMT OR SCH40 PVC (TRENCH) FROM A/C DISCONNECT TO MAIN SERVICE PANEL 4 #3.0 WITH #6 GRND 200A MAX 480V MAX
6	THWN-2 CONDUCTORS IN 1" EMT OR SCH40 PVC (TRENCH) BETWEEN EQUIPMENT 3 #10 WITH #2 GRND 20A MAX 480V MAX

DC SYSTEM CHARACTERISTICS:	PV SYSTEM CALCULATIONS:
<p>DC SYSTEM INFO:</p> <p>124.2KW DC PV SYSTEM</p> <p>(230) HELIENE 540W MODULES</p> <p>(2) SOLECTRIA PVI-60TL-480V INVERTERS</p> <p>VMP = INVERTER'S FIXED STRING VOLTAGE = 850VDC</p> <p>VOC = MAX INVERTER SYSTEM VOLTAGE = 1000VDC</p> <p>IMP = OPERATING CURRENT = 0(12.77A) = 12.77A PER STRING</p> <p>ISC = SHORT CIRCUIT CURRENT = 0(3.50)125 = 16.875A</p>	<p>DC WIRE SIZING</p> <p>MAX CIRCUIT CURRENT = (OPTIMIZER MAX POWER) X (CONTINUOUS LOAD)</p> <p>16.875A X 1.25 = 21.09A</p> <p>CONDUCTOR AMPACITY (10 AWG) 40A AT 90°C</p> <p>ADJUSTED CONDUCTOR AMPACITY = [CONDUCTOR AMPACITY(10AWG)] X (TEMP. FACTOR) X (CONDUIT FILL)</p> <p>40A X 0.96 X 0.7 = 26.88A</p> <p>TERMINAL RATING = 60°C RATED (10AWG WIRE) = 30A</p> <p>26.88A < 30A - ADJUSTED CONDUCTOR AMPACITY GOVERNS CONDUCTOR SIZING.</p> <p>21.09 < 26.88A - 10AWG IS ALLOWABLE (NO MORE THAN 4 STRINGS IN AN INDIVIDUAL CONDUIT UNLESS CONDUCTORS ARE UPSIZED TO #8)</p> <p>AC WIRE SIZING</p> <p>MAX CIRCUIT CURRENT = (INVERTER OUTPUT) X (CONTINUOUS LOAD)</p> <p>79.4A X 1.25 = 99.25A > 100A BREAKER REQUIRED</p> <p>ADJUSTED CONDUCTOR AMPACITY = [CONDUCTOR AMPACITY (2AWG)] X (TEMP. FACTOR) X (CONDUIT FILL)</p> <p>100A X 0.96 X 1 = 124.8A</p> <p>TERMINAL RATING = 75°C RATED (2 AWG WIRE) = 115A</p> <p>115A < 124.8A - TERMINAL RATING GOVERNS CONDUCTOR SIZING.</p> <p>99.25A < 115A - #2AWG IS ALLOWABLE</p> <p>VOLTAGE DROP</p> <p>SYSTEM LARGEST AC VOLTAGE DROP = 3% (MAX)</p> <p>ASSUMPTIONS</p> <p>AVG AMBIENT TEMP = 89°F</p> <p>LOW TEMP = 10°F</p> <p>ALL CONDUCTORS ARE 90° RATED COPPER UNLESS OTHERWISE SPECIFIED</p>
<p>INSTALLATION NOTES</p> <p>ALL D/C CONDUCTORS TO BE RATED 1000V MIN</p> <p>NO MORE THAN 4 STRINGS OF DC CONDUCTORS PER INDIVIDUAL CONDUIT (UNLESS WIRING UPSIZED TO #8 TO ALLOW 5 STRINGS PER CONDUIT)</p>	

SHEET:
PV-3

SINGLE LINE DIAGRAM
AND CALCS

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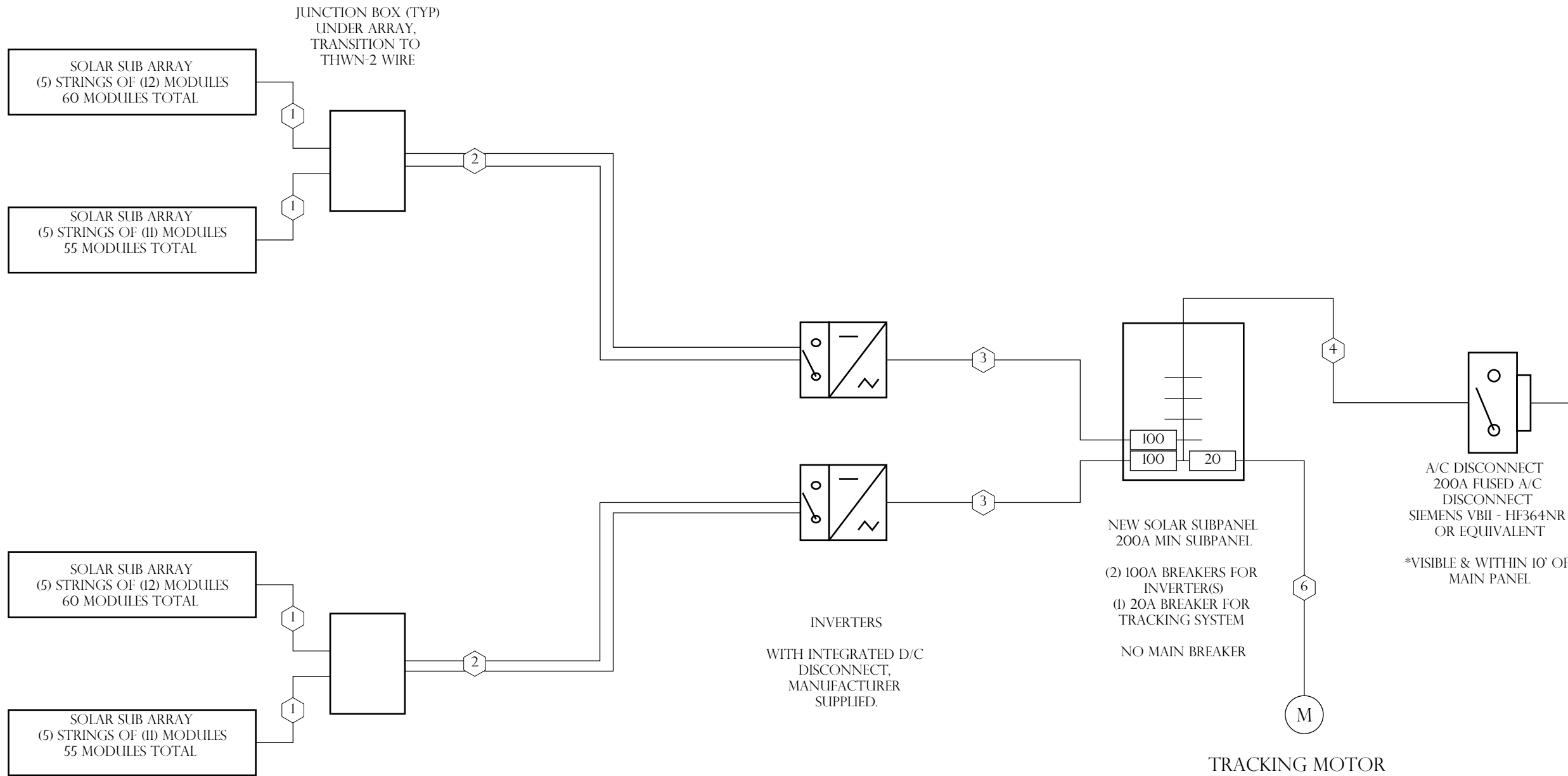
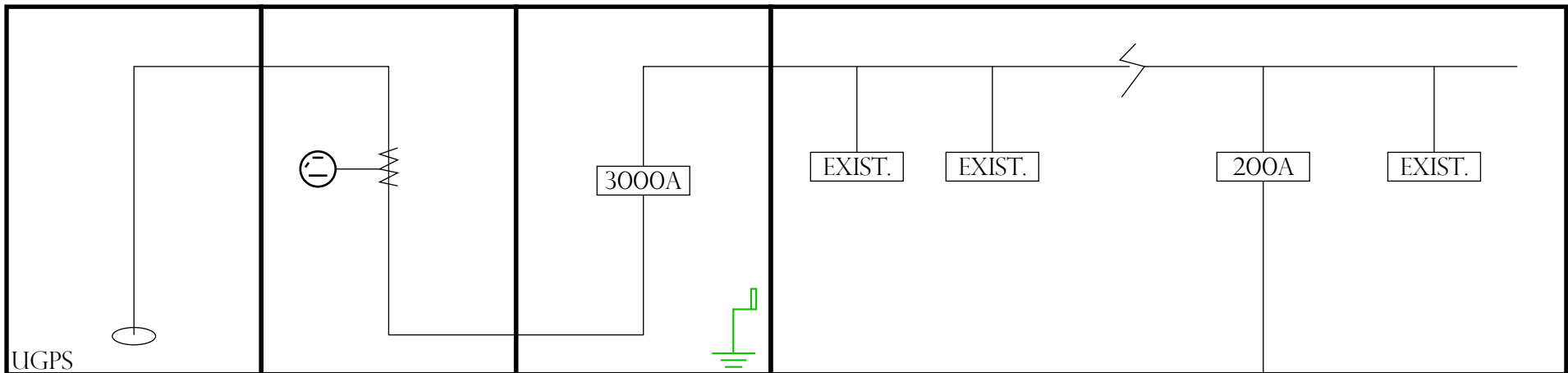
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5 --/--/--	-

PG&E UTILITY SERVICE
277 480V 3 PHASE 4W
MAIN SERVICE PANEL
3000A MAIN SERVICE PANEL WITH
3000A MAIN BREAKER

(1) 200A BREAKER FOR SOLAR

TOTAL SOLAR BACKFEED = 1985A

3000A X 12 = 3600 - 3000 =
600A ALLOWABLE BACKFEED



AC DISCONNECT

DC DISCONNECT

LOCATION: ALL A/C OR D/C DISCONNECTS

PV SOLAR BREAKER

DO NOT RELOCATE THIS OVERCURRENT DEVICE

LOCATION: NEXT TO SOLAR BREAKER

WARNING: PHOTOVOLTAIC POWER SOURCE

LOCATION: ALL PV CONDUIT

PHOTOVOLTAIC SYSTEM kWh METER

LOCATION: PV METER

WARNING

ELECTRIC SHOCK HAZARD

DO NOT TOUCH TERMINALS

TERMINALS ON BOTH THE LINE AND LOAD SIDES MAY BE ENERGIZED IN THE OPEN POSITION

LOCATION: INVERTERS & JUNCTION BOXES

SOLAR PV SYSTEM EQUIPPED WITH RAPID SHUTDOWN

LOCATION: MAIN PANEL

PV SOLAR BREAKER

DO NOT RELOCATE THIS OVERCURRENT DEVICE

LOCATION: NEXT TO SOLAR BREAKER

WARNING: PHOTOVOLTAIC POWER SOURCE

LOCATION: ALL PV CONDUIT

PHOTOVOLTAIC SYSTEM kWh METER

LOCATION: PV METER

WARNING

ELECTRIC SHOCK HAZARD

DO NOT TOUCH TERMINALS

TERMINALS ON BOTH THE LINE AND LOAD SIDES MAY BE ENERGIZED IN THE OPEN POSITION

LOCATION: INVERTERS & JUNCTION BOXES

SOLAR PV SYSTEM EQUIPPED WITH RAPID SHUTDOWN

LOCATION: MAIN PANEL

PHOTOVOLTAIC SYSTEM EQUIPPED WITH RAPID SHUTDOWN

DC SOURCE CIRCUITS

1000

850

12.77

16.875

LOCATION: ALL INVERTERS

PHOTOVOLTAIC SYSTEM AC DISCONNECT

OPERATING VOLTAGE 480 VOLTS

OPERATING CURRENT 200 AMPS

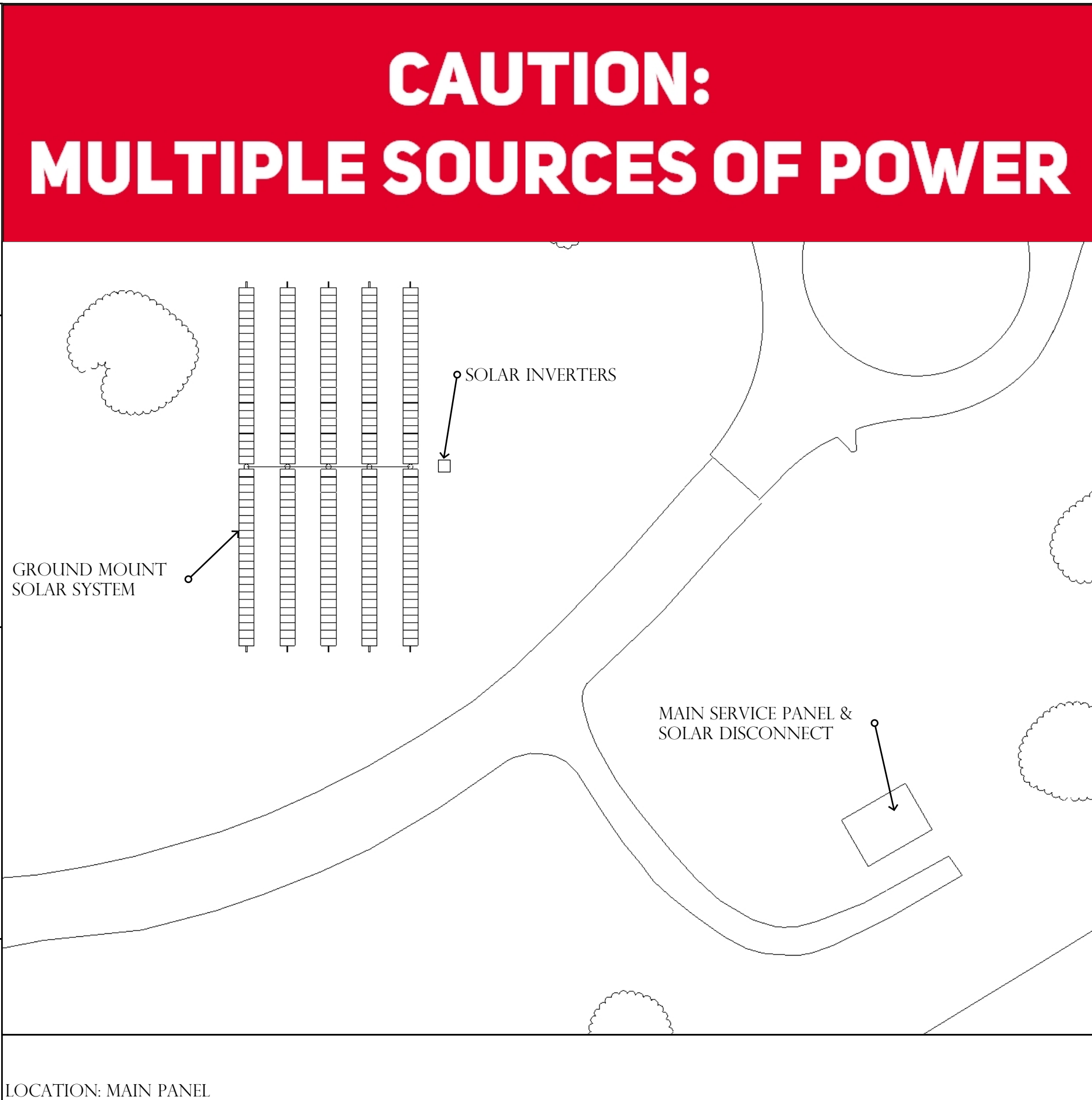
LOCATION: INTERCONNECTION LOCATION

WARNING

ELECTRIC SHOCK HAZARD

THE DC CONDUCTORS OF THIS PHOTOVOLTAIC SYSTEM ARE UNGROUNDED AND MAY BE ENERGIZED

LOCATION: TERMINATION POINTS & EXPOSED AREAS



SHEET:
PV-4

SIGNAGE & DETAILS

PHOTOVOLTAIC SYSTEM INFORMATION:

SENSORIO PASO ROBLES
KEN HUNTER
PARCEL # 025-436-047
4380 CA-46
PASO ROBLES CA

124.2KW PHOTOVOLTAIC SYSTEM
GROUND MOUNTED
GRID-TIED
(230) HELIENE 540W MODULES
(2) SOLECTRIA PVI-60TL-480V INVERTERS

CONTRACTOR INFORMATION:

AMSUN SOLAR, INC.
410 SHERWOOD RD
PASO ROBLES, CA 93446
CORY HOWE (OWNER)
PERMITTING@AMSUNSOLAR.COM
OFFICE: 805-772-6786
CA LICENSE #: 969522 | C-10
WORK COMP: STATE FUND 9219151

STATE OF CALIFORNIA
A.M. SUN SOLAR
To engage in the business or act in the capacity of a contractor in the following classification(s)
C-10 Electrical
License No. 969522
CORY ANTHONY HOWE
LICENSED ELECTRICAL CONTRACTOR

DESIGNED BY:
ADAM STEVENS

SHEET #

SHEET DESCRIPTION

PV01 TITLE SHEET

PV02 SITE LAYOUT

PV03 SINGLE LINE DIAGRAMS & CALCS

PV04 SIGNAGE & DETAILS

PV05 SUPPORTING DOCUMENTS

AHJ APPROVAL STAMP:

DATE

NOVEMBER 1, 2024

REVISIONS

MM/DD/YY	REMARKS
1	
2	
3	
4	
5	

EXISTING ROADWAY

18" MIN EMBEDMENT

24" MIN EMBEDMENT

BACKFILL

SCH40 PVC

TRENCH DETAIL
SCALE: 1" = 1'-0"

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