

ALAMEDA GRANT LINE SOLAR 1
SITE IMPROVEMENT PLANS
W GRANT LINE RD, UNINCORPORATED ALAMEDA COUNTY 95391
APN: 099B-7650-007-01

SATNAM & MANJEET
SANDHU ETAL
APN:099B-7650-001-00

DESCRIPTION	EXISTING	PROPOSED
PROPERTY LINE	---	---
ROW	---	---
EASEMENT	---	---
LOT LINE	---	---
CENTERLINE	---	---
DITCH / FLOWLINE	---	---
EP	---	---
CULVERT WITH FES	---	---
OVERLAND RELEASE PATH	---	---
FENCE	---	---
MAJOR CONTOUR	---	---
MINOR CONTOUR	---	---
CONTROL POINT	---	---

NOTICE TO CONTRACTOR - SWPPP

THIS PROJECT HAS AN APPROVED STATE GENERAL CONSTRUCTION PERMIT AND STORMWATER POLLUTION PREVENTION PLAN (SWPPP).

WDID # TBD

CONTRACTOR IS RESPONSIBLE TO HIRE A STATE CERTIFIED QSP (QUALIFIED SWPPP PRACTITIONER) TO OVERSEE IMPLEMENTATION OF THE SWPPP PRIOR TO START OF CONSTRUCTION. ALL REQUIRED INSPECTIONS, TRAINING AND REQUIRED TESTING AND REPORTING SHALL BE OVERSEEN BY THE QSP.

THE FINAL APPROVED SWPPP SHALL BE KEPT ON THE CONSTRUCTION SITE DURING CONSTRUCTION AND MAINTAINED BY THE QSP.

CONTRACTOR SHALL SEND THE FINAL SWPPP WITH ALL INSPECTION, TESTING, AMENDMENTS, REPORTS AND OTHER DOCUMENTATION TO THE OWNER ONCE CONSTRUCTION HAS BEEN COMPLETED AND THE NOTICE OF TERMINATION SUBMITTED.

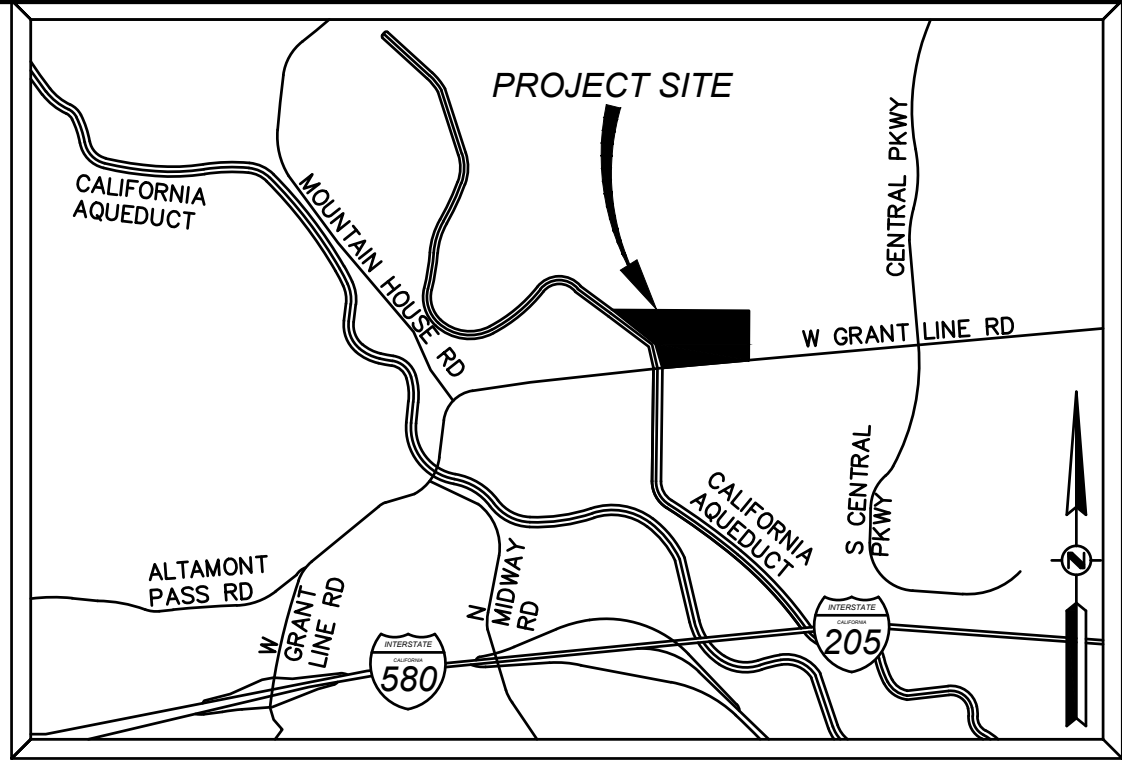
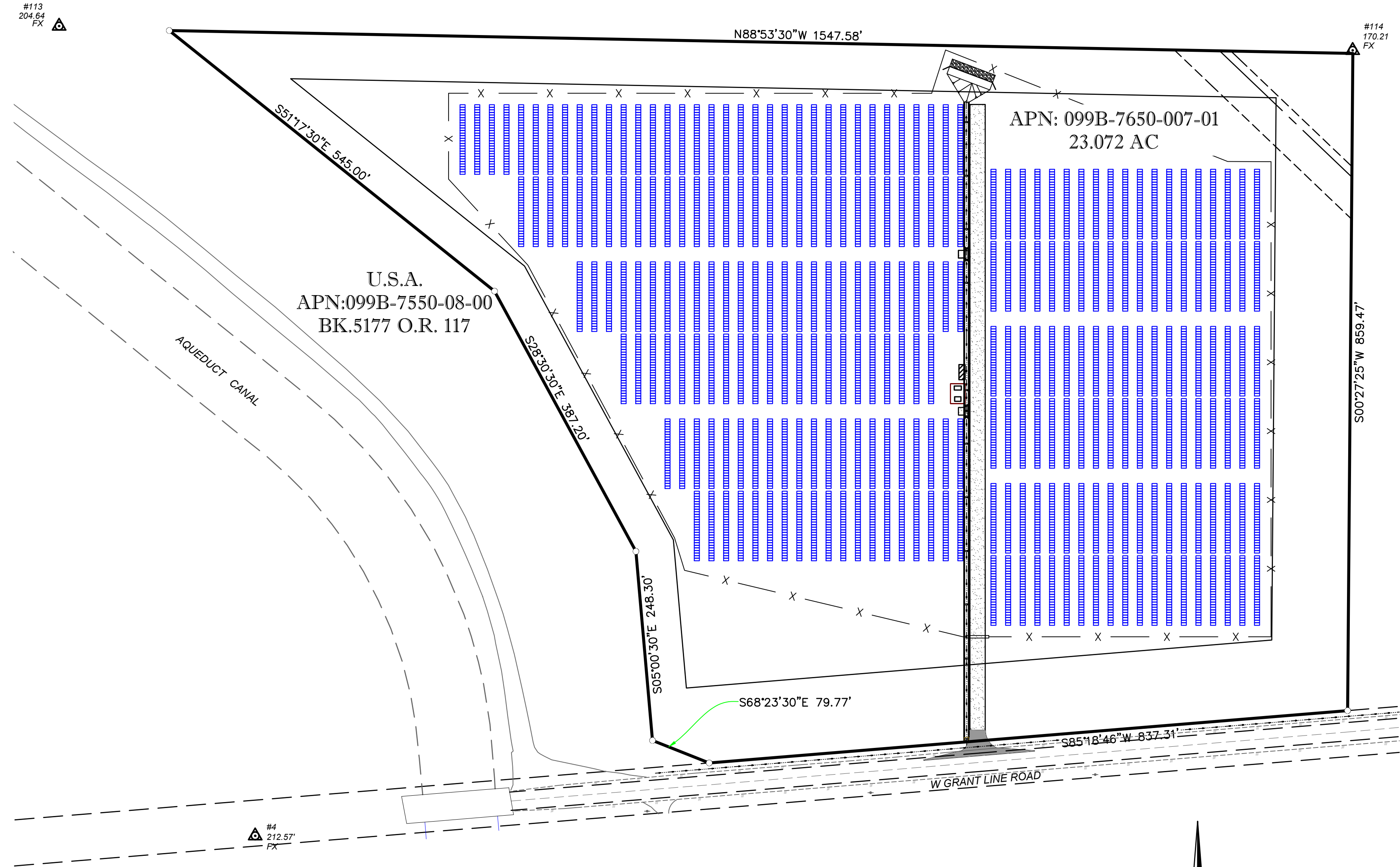
CONTRACTOR SHALL HAVE A PRE-CONSTRUCTION MEETING AND INCLUDE THE QSP AND CIVIL ENGINEER IN THE MEETING, EITHER ON-SITE OR VIA TELEPHONE CONFERENCE.

NOTICE TO CONTRACTOR - ORDER OF WORK:

PRIOR TO THE START OF ANY CIVIL WORK, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL EXISTING UTILITIES BY POTHOLING AT ALL POINTS OF POTENTIAL CONFLICT WITH PROPOSED UTILITIES OR PROPOSED POINTS OF CONNECTION WITH EXISTING UTILITIES. IF THE ACTUAL LOCATIONS OF THE EXISTING UTILITIES FOUND IN THE FIELD ARE DIFFERENT FROM WHAT IS SHOWN ON THESE PLANS, THE CONTRACTOR SHALL CONTACT RFE ENGINEERING IMMEDIATELY AND PROVIDE THE ACTUAL LOCATION INFORMATION. RFE ENGINEERING WILL VERIFY IF THERE ARE ANY CONFLICTS WITH THE IMPROVEMENTS AND WILL PROVIDE MODIFICATIONS TO THE DESIGN TO MITIGATE THE CONFLICTS IF ANY CONFLICTS EXIST.

UTILITY CONTACT INFORMATION

UTILITY	AGENCY	PHONE
GAS	P.G. & E.	(800) 743-5000
ELECTRIC	P.G. & E.	(800) 743-5000
FIRE	ALAMEDA COUNTY FIRE DEPARTMENT	(510) 632-3473
WATER	ALAMEDA COUNTY WATER DISTRICT	(510) 668-4200
SEWER	EAST BAY MUNICIPAL UTILITY DISTRICT	(866) 403-2683
DRAINAGE	ALAMEDA COUNTY PUBLIC WORKS AGENCY	(510) 670-5480
U.S.A.	UNDERGROUND SERVICE ALERT	1-800-227-2600



SHEET INDEX:

- C1 TITLE SHEET
- C2 GENERAL NOTES
- C3 HORIZONTAL CONTROL PLAN
- C4 GRADING & DRAINAGE PLAN
- C5 EROSION & SEDIMENT CONTROL PLAN
- C6 EROSION & SEDIMENT CONTROL DETAILS
- C7 CONSTRUCTION DETAILS

BENCHMARK:

THE BENCHMARK FOR THIS SURVEY IS AN NGS TRIANGULATION STATION DISK PID "HS4994", STAMPED "MEDA 1946" SET IN CONCRETE, LOCATED 36.6 FEET WEST OF TELEPHONE POLE 56, 10 FEET SOUTH OF THE SOUTH EDGE OF PAVEMENT OF GRANT LINE ROAD, AS SHOWN ON SHEET 2 OF THIS MAP.

ELEVATION = 229.00 FEET (NAVD 88 DATUM)

BASIS OF BEARINGS:

THE BASIS OF BEARINGS FOR THIS SURVEY IS THE CALIFORNIA COORDINATE SYSTEM, ZONE 2, GRID NORTH, AS ESTABLISHED BY GPS OBSERVATIONS.

PROPERTY OWNER / DEVELOPER:

MANINDER SANDHU
3972 DURHAM FERRY RD
TRACY, CA 95304
manil.sandhu@gmail.com

FLOOD PLAIN:

SUBJECT PROPERTY IS LOCATED WITHIN ZONE X WHICH IS WITHIN AN AREA PROTECTED BY LEVEES FROM 1% ANNUAL CHANCE FLOOD. FLOOD INSURANCE RATE MAP COMMUNITY PANEL NO.: (06001C0225G) DATED: (AUGUST 3, 2009)

ZONING:

EXISTING: AGRICULTURAL (A)
PROPOSED: NO CHANGE

JURISDICTION:

ALAMEDA COUNTY

GEOTECHNICAL REPORT:

REPORT BY:
REPORT NO.:
DATED:

APPROVED BY:	DATE
COUNTY ENGINEER	DATE
APPROVED BY:	DATE
WATER AGENCY	DATE
ALAMEDA COUNTY FIRE DEPARTMENT	
APPROVED AS TO FIRE SERVICE LOCATIONS ONLY. MAIN SIZE DETERMINED BY ALAMEDA COUNTY WATER DISTRICT	
BY:	DATE
EAST BAY MUNICIPAL UTILITY DISTRICT	
PLAN CHECKER	DATE
O.K. TO SUBMIT FOR GRID NUMBERING AFTER ALL SEWER CONSTRUCTION IS COMPLETE	
SEWER INSPECTOR	DATE
BILLING NUMBER:	
ALAMEDA COUNTY PUBLIC WORKS AGENCY	
PROJECT TITLE: ALAMEDA SOLAR	
ASSESSORS PARCEL NUMBER: 099B-7650-007-01	
APPROVED:	
ORDER NUMBER:	DRAINAGE FEE:
CHECKED BY:	DRAINAGE APPROVED:



Know what's below.
Call before you dig.
or (800) 227-2600

UTILITY NOTE:

THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES.

APPRVD	BY	DATE	REVISION	CHECK NO.	BY	CHECK	NO.	DESIGN	DRAWN	QUANT.	ORIGINAL SCALE IS IN INCHES
											0 1 2
ALAMEDA GRANT LINE SOLAR 1 W GRANT LINE RD UNINCORPORATED ALAMEDA COUNTY, 95391 TITLE SHEET											
Sheet C1 1 of 7 06/22/2021											

THE EXISTING BOUNDARY AND TOPOGRAPHIC INFORMATION SHOWN ON THESE PLANS IS FROM A TOPOGRAPHIC SURVEY PLAN PREPARED BY RFE ENGINEERING AND REFERENCED ON SHEET C1. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS, ESPECIALLY POINTS OF CONNECTION TO EXISTING FACILITIES FOR ALL IMPROVEMENTS PRIOR TO CONSTRUCTION OF APPLICABLE FACILITIES. CONTRACTOR SHALL NOTIFY RFE ENGINEERING, INC. IMMEDIATELY OF ANY DISCREPANCIES OR CONFLICTS DISCOVERED.

THE CONTRACTOR AGREES THAT, IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD OWNER AND ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXEMPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF ENGINEER.

EXCAVATIONS SHALL BE ADEQUATELY SHORED, BRACED AND SHEETED SO THAT THE EARTH WILL NOT SLIDE OR SETTLE AND SO THAT ALL EXISTING IMPROVEMENTS OF ANY KIND WILL BE FULLY PROTECTED FROM DAMAGE. ANY DAMAGE RESULTING FROM A LACK OF ADEQUATE SHORING, BRACING AND SHEETING, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND HE SHALL EXPEND NECESSARY REPAIRS OR RECONSTRUCTION AT HIS OWN EXPENSE, WHERE THE EXCAVATION FOR A CONDUIT TRENCH, AND/OR STRUCTURE IS FIVE FEET OR MORE IN DEPTH, THE CONTRACTOR SHALL PROVIDE ADEQUATE SHEETING, SHORING AND BRACING OR EQUIVALENT METHOD, FOR THE PROTECTION OF LIFE OR LIMB, WHICH SHALL CONFORM TO THE APPLICABLE CONSTRUCTION SAFETY ORDERS OF THE DIVISION OF INDUSTRIAL SAFETY OF THE STATE OF CALIFORNIA. THE CONTRACTOR SHALL ALWAYS COMPLY WITH OSHA REQUIREMENTS.

OWNER WILL OBTAIN THE GENERAL BUILDING PERMIT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ANY ADDITIONAL PERMITS NECESSARY TO PERFORM THE WORK SHOWN ON THESE PLANS FROM THE APPROPRIATE AGENCIES.

THE CONTRACTOR SHALL TAKE EFFECTIVE ACTION TO PREVENT THE FORMATION OF AN AIRBORNE DUST NUISANCE AND SHALL BE RESPONSIBLE FOR ANY DAMAGE RESULTING FROM HIS FAILURE TO DO SO.

THE CONTRACTOR SHALL PROVIDE FOR INGRESS AND EGRESS FOR PRIVATE PROPERTY ADJACENT TO WORK THROUGHOUT THE PERIOD OF CONSTRUCTION. TRAFFIC MOVEMENT SHALL BE MAINTAINED AT ALL TIMES. IF TRAFFIC CONTROL PROCEDURES ARE DEEMED NECESSARY, THE CONTRACTOR SHALL CONFORM TO THE "WATCH HANDBOOK" AND CALTRANS TRAFFIC MANUAL. CITY/COUNTY ENGINEERS APPROVAL IS REQUIRED PRIOR TO ANY DETOURING, DISRUPTION, OR INTERRUPTION OF THE NORMAL TRAFFIC FLOW.

THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR FURNISHING, INSTALLING, AND MAINTAINING ALL WARNING SIGNS AND DEVICES NECESSARY TO SAFEGUARD THE GENERAL PUBLIC AND THE WORK, AND PROVIDE FOR THE PROPER AND SAFE ROUTING OF ALL VEHICULAR AND PEDESTRIAN TRAFFIC DURING THE PERFORMANCE OF THE WORK, THE REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO THE NORMAL WORKING HOURS.

THE CONTRACTOR SHALL POST EMERGENCY TELEPHONE NUMBERS FOR POLICE, FIRE, AMBULANCE, AND THOSE AGENCIES RESPONSIBLE FOR MAINTENANCE OF UTILITIES IN THE VICINITY OF THE JOBSITE.

ANY EXTRA CONSTRUCTION STAKING NECESSITATED SOLELY BY THE CONTRACTOR'S NEGLIGENCE WILL BE CHARGED TO THE CONTRACTOR ON A TIME AND MATERIAL BASIS, AND PAID FOR BY THE CONTRACTOR.

STATIONING HEREON IS ALONG STREET CENTERLINE UNLESS OTHERWISE SHOWN OR INDICATED.

ALL RETURN RADII AND CURB DATA ARE TO BOTTOM FACE OF CURB.

ALL QUANTITIES AND PAY ITEMS ARE AND WILL BE BASED ON HORIZONTAL MEASUREMENTS.

LENGTHS OF SANITARY SEWERS AND STORM DRAINS ARE HORIZONTAL DISTANCES FROM CENTER TO CENTER OF STRUCTURES, ROUNDED OFF TO THE NEAREST FOOT.

EXISTING UNDERGROUND UTILITIES AND IMPROVEMENTS ARE SHOWN IN THEIR APPROXIMATE LOCATIONS BASED ON FACILITIES IDENTIFIED BY THE TOPOGRAPHIC SURVEY AND UPON RECORD INFORMATION AVAILABLE TO THE ENGINEER AT THE TIME OF DESIGN AND NO GUARANTEE IS MADE AS TO THE ACCURACY OR COMPLETENESS OF THE INFORMATION SHOWN. THE CONTRACTOR SHALL NOTIFY UTILITY COMPANIES AT LEAST 2 WORKING DAYS IN ADVANCE OF CONSTRUCTION TO FIELD LOCATE UTILITIES. CALL UNDERGROUND SERVICE ALERT (U.S.A.) AT 800-227-2600, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXISTENCE AND LOCATION OF THOSE UTILITIES SHOWN ON THESE PLANS OR INDICATED IN THE FIELD BY LOCATING SERVICES. ANY ADDITIONAL COSTS INCURRED AS A RESULT OF CONTRACTOR'S FAILURE TO VERIFY LOCATIONS OF EXISTING UTILITIES PRIOR TO BEGINNING OF CONSTRUCTION IN THEIR VICINITY SHALL BE BORNE BY THE CONTRACTOR AND ASSUMED INCLUDED AND MERGED IN THE CONTRACT UNIT PRICE.

ALL EXISTING UTILITIES AND IMPROVEMENTS THAT BECOME DAMAGED DURING CONSTRUCTION SHALL BE COMPLETELY RESTORED TO THE SATISFACTION OF THE APPLICABLE AGENCY ENGINEER, AT THE CONTRACTOR'S SOLE EXPENSE.

ANY RELOCATION OF PUBLIC UTILITIES SHALL BE CONDUCTED IN ACCORDANCE WITH ANY AND ALL REQUIREMENTS OF THE UTILITY COMPANY INCLUDING FEES, BONDS, PERMITS AND WORKING CONDITIONS, ETC. THIS WORK SHALL BE DONE AT NO EXPENSE TO THE UTILITY COMPANY. THE OWNER SHALL PAY THE COST OF ALL SUCH RELOCATION WORK INCLUDING FEES, BONDS, PERMITS, ETC.

IF ARCHAEOLOGICAL MATERIALS ARE UNCOVERED DURING GRADING, TRENCHING OR OTHER EXCAVATION, EARTHWORK WITHIN 100 FEET OF THESE MATERIALS SHALL BE STOPPED UNTIL A PROFESSIONAL ARCHAEOLOGIST WHO IS CERTIFIED BY THE SOCIETY OF CALIFORNIA ARCHAEOLOGY (SCA) AND/OR THE SOCIETY OF PROFESSIONAL ARCHAEOLOGY (SOPA) HAS HAD AN OPPORTUNITY TO EVALUATE THE SIGNIFICANCE OF THE FIND AND SUGGEST APPROPRIATE MITIGATION MEASURES, IF THEY ARE DEEMED NECESSARY.

RFE ENGINEERING, INC. DOES NOT SPECIFY NOR RECOMMEND THE USE OR INSTALLATION OF ANY MATERIAL OR EQUIPMENT WHICH IS MADE FROM, OR WHICH CONTAINS ASBESTOS FOR USE IN THE CONSTRUCTION OF THESE IMPROVEMENTS. ANY INSTALLATION OR USE OF SUCH MATERIAL OR EQUIPMENT SHALL BE SOLELY RESPONSIBLE FOR ALL INJURIES, DAMAGE OR LIABILITIES, OF ANY KIND, CAUSED BY THE USE OF SUCH MATERIALS OR EQUIPMENT. THE PROVISIONS OF THIS NOTE SHALL APPLY UNLESS THEY ARE EXPRESSLY WAIVED IN WRITING BY OWNER AND RFE ENGINEERING, INC.

SHOULD IT APPEAR THAT THE WORK TO BE DONE OR ANY MATTER RELATIVE THERETO IS NOT SUFFICIENTLY DETAILED OR EXPLAINED ON THESE PLANS, THE CONTRACTOR SHALL CONTACT RFE ENGINEERING, INC. AT (916) 772-7800 FOR SUCH FURTHER EXPLANATIONS AS MAY BE NECESSARY.

CONTRACTOR SHALL PROVIDE PROTECTIVE FENCING AROUND EXISTING TREES TO REMAIN. SEE OTHER NOTES ON THESE PLANS, PROJECT CONDITIONS OF ADOPT, AND SPECIFIC JURISDICTIONAL REQUIREMENTS FOR SUCH FENCING.

21. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE GEOTECHNICAL REPORT REFERENCE ON SHEET C1.
22. THE CONTRACTOR SHALL COMPLY WITH ALL LOCAL REGULATIONS, LAWS AND ORDINANCES, INCLUDING ALLOWABLE CONSTRUCTION HOURS, CONSTRUCTION NOISE NEAR RESIDENCES, DUST CONTROL AND EROSION CONTROL.
23. THE CONTRACTOR SHALL BE RESPONSIBLE TO REVIEW ALL CONTRACT DOCUMENTS INCLUDING ALL PLANS AND SPECIFICATIONS PREPARED BY OTHER DISCIPLINES FOR THIS PROJECT PRIOR TO THE START OF CONSTRUCTION. SUCH REVIEW SHALL BE CONTINUOUS THROUGHOUT THE CONSTRUCTION PROCESS, ANYTIME THAT A CONFLICT BETWEEN SUCH PLANS AND SPECIFICATIONS IS IDENTIFIED, THE CONTRACTOR SHALL CONTACT RFE ENGINEERING, INC. AND OTHER APPLICABLE DISCIPLINES TO REQUEST A VERIFICATION OF THE DESIGN REQUIREMENTS AND A RESOLUTION TO SUCH CONFLICTS PRIOR TO CONSTRUCTION OF SUCH FACILITIES.
24. BEFORE EXECUTION OF ANY WORK, THE CONTRACTOR SHALL EXAMINE ACTUAL JOB CONDITIONS AND REPORT TO RFE ENGINEERING, INC. AND OWNER ANY ERROR, OMISSION, OR DISCREPANCY AFFECTING WORK. UPON COMMENCING CONSTRUCTION THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPORTING ANY AND ALL CONFLICTS, ERRORS, OMISSIONS, ETC. TO RFE ENGINEERING, INC. IMMEDIATELY UPON DISCOVERY. IF SO DIRECTED BY THE ENGINEER OR CITY/COUNTY ENGINEER, THE CONTRACTOR SHALL STOP WORK UNTIL MITIGATION CAN BE MADE. ANY COST INCURRED RESULTING FROM THE CONTRACTOR'S FAILURE TO STOP WORK AS DIRECTED SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
25. THE CONTRACTOR SHALL PROVIDE THE CIVIL ENGINEER "AS BUILT" DRAWINGS AT PROJECT COMPLETION. THE CONTRACTOR SHALL PROVIDE ONE COMPLETE ACCURATE SET OF RECORD CHANGES. THE CHANGES SHALL BE PLACED ON A CLEAN SET OF RECORD DRAWINGS IN RED, AND GIVEN TO THE ENGINEER AT JOB COMPLETION.
26. THE ENGINEERS ESTIMATE OF QUANTITIES IS FOR DESIGN REFERENCE ONLY. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR DETERMINING THE QUANTITIES FOR BID AND FIELD INSTALLATION. ALL CALCULATED EARTHWORK QUANTITIES FURNISHED FOR THIS PROJECT ARE APPROXIMATE. THE QUANTITIES HEREIN WERE CALCULATED TO FINISHED ROUGH GRADE AND EXISTING GROUND. THE ACTUAL MATERIALS MOVED ARE A VARIABLE DEPENDENT UPON THE CONTRACTOR'S METHOD OF OPERATION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE FOR ANY EXCESS OR SHORTAGE OF EARTH MATERIAL FOR THIS PROJECT AND NO ADDITIONAL PAYMENT WILL BE MADE.
27. THESE DRAWINGS ARE FOR THIS SPECIFIC PROJECT AND NO OTHER USE IS AUTHORIZED. RFE ENGINEERING, INC. DISCLAIMS ALL RESPONSIBILITY FOR CONSTRUCTION BEYOND WHAT IS SPECIFICALLY DESIGNED OR DETAILED HEREIN.
28. THE CONTRACTOR SHALL TAKE CARE TO PROTECT THE EXISTING SITE AND ADJACENT IMPROVEMENTS FROM DAMAGE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE RESULTING FROM THE CONSTRUCTION AND SHALL REPAIR OR MAKE REPLACEMENT TO CURRENT CITY/COUNTY STANDARDS. ALL SUCH WORK SHALL BE AT THE CONTRACTOR'S OWN EXPENSE. THE CONTRACTOR SHALL PERFORM THESE REPAIRS AND REMOVE ALL DEBRIS AND CONSTRUCTION DEBRIS AS DIRECTED BY RFE ENGINEERING INC. OR THE CITY/COUNTY ENGINEER.
29. THE AGENCY, CITY/COUNTY ENGINEER, OWNER OR RFE ENGINEERING, INC. MAY REQUIRE THE CONTRACTOR TO UNCOVER ANY IMPROVEMENTS THAT HAVE BEEN COMPLETED WITHOUT PROPER INSPECTION AND/OR APPROVAL. IF THE INSTALLATION IS FOUND NOT TO MEET APPLICABLE STANDARDS OF PREVIOUSLY APPROVED ALTERNATIVES SHOWN ON THE PLANS, THE CONTRACTOR MAY BE REQUIRED TO REMOVE AND REPLACE SUCH IMPROVEMENTS AT HIS OWN EXPENSE.
30. THE CONTRACTOR IS RESPONSIBLE FOR PRESERVATION AND PROTECTION OF EXISTING SURVEY AND PROPERTY CORNER MONUMENTS THAT EXIST AT THE TIME OF CONSTRUCTION IN THE AREA WHERE CONSTRUCTION ACTIVITIES OCCUR. MONUMENTS DISTURBED, OR LOST, DUE TO CONSTRUCTION ACTIVITIES WILL REQUIRE THAT THE CONTRACTOR HAVE THEM REPLACED, IN ACCORDANCE WITH A LICENSED CALIFORNIA LAND SURVEYOR, WHO WILL BE REQUIRED TO FILE WITH THE COUNTY EITHER A CORNER RECORD OR A RECORD OF SURVEY, WHICHEVER WILL MEET THE REQUIREMENTS OF THE LAND SURVEYOR'S ACT, SECTION 87711(B).

CONTRACTOR SHALL CONSTRUCT PROJECT PAVING PER THE FOLLOWING PAVING SPECIFICATIONS AND REQUIREMENTS OUTLINED IN THE PROJECT SPECIFIC GEOTECHNICAL REPORT WHEN MORE RESTRICTIVE. FOR ALL IMPROVEMENTS WITHIN PUBLIC RIGHTS-OF-WAY TO BE MAINTAINED BY THE APPLICABLE AGENCY, UNLESS OTHERWISE NOTED ON THESE PLANS, CONTRACTOR SHALL CONSTRUCT PAVING IMPROVEMENTS PER THE APPLICABLE AGENCY STANDARDS.

1. A UNIFORM SUBGRADE AT THE CORRECT ELEVATION AND PROPER PREPARATION OF THE SUBGRADE IS ESSENTIAL FOR OPTIMUM LONG-TERM PERFORMANCE OF THE CONCRETE PAVING. SUBGRADE SHALL BE EXCAVATED OR FILLED WITH SUITABLE MATERIAL TO PRODUCE THE REQUIRED SUBGRADE ELEVATIONS. SAND CUSHIONS SHALL NOT BE USED AS A CONSTRUCTION EXPEDIENT IN LIEU OF PROPER SUBGRADE PREPARATION. WHEN SUBGRADE IS SHAPED, LARGE EMBEDDED OBJECTS SHALL BE REMOVED AND THE TOP 12-INCHES OF SOIL SHALL BE THOROUGHLY MOISTURE CONDITIONED TO THE OPTIMUM MOISTURE CONTENT AND UNIFORMLY COMPACTED TO 90% RELATIVE COMPACTION. THE UPPER 6-INCHES OF SOIL SHALL BE THOROUGHLY MOISTURE CONDITIONED TO THE OPTIMUM MOISTURE CONTENT AND UNIFORMLY COMPACTED TO 95% RELATIVE COMPACTION FOR ALL STRUCTURAL SECTIONS SPECIFIED ON THESE PLANS. ALL UNSUITABLE SOIL SHALL BE REMOVED AND REPLACED WITH AN ACCEPTABLE ENGINEERED FILL.
2. CLASS 2 AGGREGATE BASE SHALL BE UNIFORM IN DEPTH AND COMPACTED TO 95% RELATIVE COMPACTION.
3. ACCEPTABLE TOLERANCES FOR FINE GRADING OF THE SUBGRADE AND AGGREGATE BASE ARE NO MORE THAN ¼-INCH ABOVE OR ½-INCH BELOW THE DESIGN GRADE.

(REFERENCE ACI 330R-01)

4. PORTLAND CEMENT CONCRETE (PCC):

- MINIMUM COMPRESSIVE STRENGTH:
 - TRAFFIC RATED CONCRETE = 4,000 PSI IN 28 DAYS
 - PEDESTRIAN RATED CONCRETE = 3,500 PSI IN 28 DAYS
- SLUMP: 3" TO 4"
- AIR ENTRAINMENT: SEE TABLE BELOW
- AGGREGATE: MAXIMUM $\frac{3}{4}$ - INCH CRUSHED (ROUGH-TEXTURED ANGULAR-SHAPED)
- ADMIXTURES CONTAINING CHLORIDES AND SULFIDES ARE NOT ACCEPTABLE.

11. THE CONCRETE SHALL BE PROTECTED FROM DAMAGE DURING THE CURING PROCESS.
12. CURING:
 - COLD TEMPERATURES - CONCRETE SHALL BE PROTECTED FROM FREEZING FOR AT LEAST 5-DAYS AFTER PLACEMENT. FOR FORECAST TEMPERATURES AROUND 25 TO 32 DEGREES FAHRENHEIT THE CONCRETE SHALL BE COVERED WITH POLYETHYLENE SHEETING. FOR COLDER TEMPERATURES, TWO SHEETS OF POLYETHYLENE SEPARATED BY 12-INCHES OF STRAW OR A SIMILAR DEGREE OF INSULATION.
 - WARM TEMPERATURES - WET CURING OR LIQUID MEMBRANE-FORMING CURING COMPOUND SHALL BE INITIATED IMMEDIATELY AFTER FINISHING IN SUNNY, WINDY AND WARM CONDITIONS.
 - CONTRACTOR SHALL HAVE ENOUGH PLASTIC SHEETING AVAILABLE ON THE PROJECT SITE TO COMPLETELY COVER ANY SURFACES THAT MAY BE DAMAGED IN THE EVENT OF RAIN. THERE SHALL ALSO BE ADEQUATE WEIGHTS AVAILABLE TO KEEP THE PLASTIC SHEETING FROM BLOWING AWAY. FOR CONCRETE ON A SLOPE, DIVERSION SHALL BE PROVIDED FOR POTENTIAL RUN-ON TO PROTECT FROM WATER ABOVE WASHING ACROSS THE SURFACE.

CONSTRUCT WHERE PCC MEETS FIXED FOUNDATIONS SUCH AS COLUMNS, BUILDING, MACHINERY FOUNDATIONS, WALLS, MANHOLES, DRAIN INLETS, UTILITY BOXES, DRAINAGE STRUCTURES, EXISTING ISLANDS, LIGHT STANDARDS, EXISTING APPROACH PAVEMENTS, ETC. ALL STRUCTURAL TUBING, PIPING, ETC. THAT EXTENDS UP THROUGH THE PCC SLAB SHALL BE WRAPPED WITH TWO LAYERS OF BUILDING PAPER OR ISOLATION JOINT MATERIAL TO BREAK BOND WITH PCC SLAB.

EXPANSION JOINT TO BE GREENSTREAK PAVING CAP SEAL OR APPROVED SEALANT IF SPECIFIED ON THE PLAN.

JOINT IS A SAW CUT, TROWEL CUT, OR PLASTIC OR HARDBOARD PREFORMED STRIP TO BE A MINIMUM OF ONE QUARTER THE DEPTH OF THE SLAB THICKNESS. MAXIMUM SPACING SHALL BE 4'-0" INCHES. MAXIMUM SPACING SHALL BE 4'-0" INCHES WHERE CRACKING CAN OCCUR. MAXIMUM SPACING FOR 4'-0" INCH SLAB MAXIMUM AGGREGATE IS 2 x SLAB THICKNESS (DEPTH) IN FEET (I.E. A 4'-0" SLAB WITH 3" MAXIMUM AGGREGATE SHALL HAVE A MAXIMUM SPACING OF 8-0 FEET). MAXIMUM SPACING FOR AGGREGATE GREATER THAN 3/4" INCH SHALL BE 2.5 x SLAB THICKNESS IN FEET (I.E. A 4'-0" SLAB WITH AGGREGATE GREATER THAN 3/4" INCH SHALL HAVE A MAXIMUM SPACING OF 10-0 FEET) IN NO CASE SHALL SPACING BE GREATER THAN 15'-0 FEET.

TOOLING OR EARLY-ENTRY DRY-CUT SAW JOINTS ARE DESIRED TO PLACE JOINTS BEFORE DEVELOPMENT OF TENSILE STRESSES THAT ARE GREAT ENOUGH TO INITIATE CRACKING, THUS INCREASING THE PROBABILITY OF CRACKS FORMING AT THE JOINT. CONTRACTION JOINT PATTERNS SHOULD DIVIDE PAVEMENTS INTO APPROXIMATELY SQUARES. THE LENGTH OF A PANEL SHOULD NOT BE MORE THAN 25% GREATER THAN ITS WIDTH.

23. FOR PAVEMENT THICKNESS IN EXCESS OF 0.30 FEET, PAVEMENT SHALL BE PLACED IN MULTIPLE LIFTS NOT LESS THAN 0.15 FEET. WHEN PLACING ASPHALT IN LIFTS, THE TABLE BELOW IS APPLICABLE:

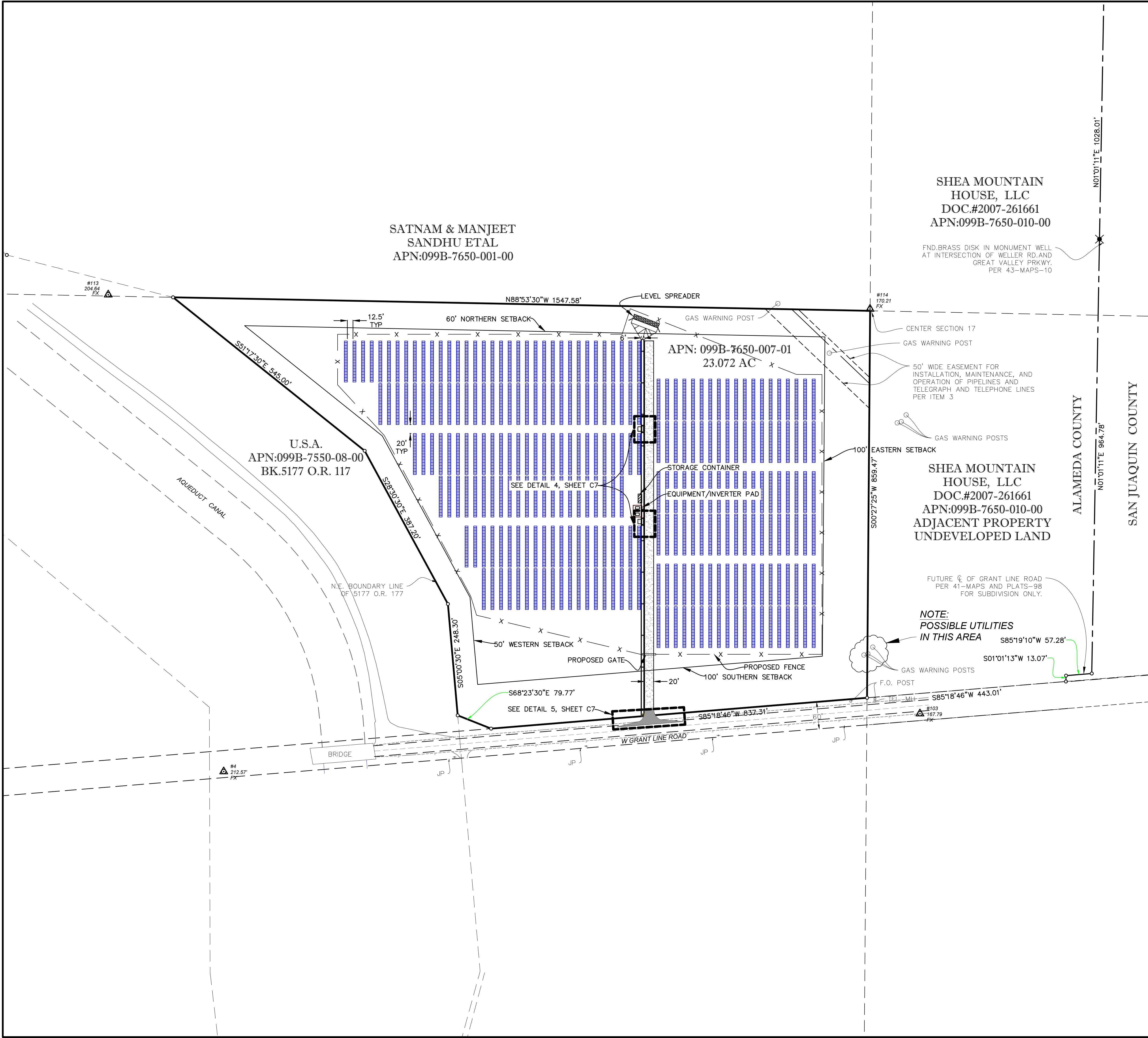
24. *APPLY A TACK COAT BEFORE PLACING A SUBSEQUENT LIFT.*

1. ENCLOSE, COVER OR WATER ALL SOIL PILES TWICE DAILY.
2. WATER EXPOSED SOIL WITH ADEQUATE FREQUENCY TO KEEP SOIL MOIST AT ALL TIMES.
3. WATER ALL HAUL ROADS TWICE DAILY.
4. MAINTAIN AT LEAST TWO (2) FEET OF FREEBOARD ON TRUCKS WHEN HAULING LOADS.
5. MAINTAIN CONSTRUCTION EQUIPMENT (STATIONARY AND MOBILE) IN OPTIMUM RUNNING CONDITION.

ALAMEDA GRANT LINE SOLAR 1 1W GRANT LINE RD UNINCORPORATED ALAMEDA COUNTY, 95391 GENERAL NOTES	SOLTAGE 66 YORK ST, 5TH FLOOR JERSEY CITY, NJ 07302			DESIGN	BY	CHECK	NO. REVISION DATE BY APPROVD
				DRAWN			
				QUANT.			
ORIGINAL SCALE IS IN INCHES 0 1 2							
2 of 7 06/22/2021							

FOR ALAMEDA COUNTY PUBLIC WORKS
AGENCY

Sheet
C2
2 of 7
06/22/2021



LEGEND:

PROPERTY LINE
ROW
EASEMENT
LOT LINE
CENTERLINE
FENCE
CONTROL POINTS

RIPRAP
3/4" GRAVEL (MIN. 6" THICK)
OR CLASS 3 AB
AC PAVING
0.15' AC TYPE B / 0.50' CLASS 3 AB

NOTE:
SEE ELECTRICAL DRAWINGS FOR MORE INFORMATION

100
0
100
200

1 INCH = 100 FEET

811

Know what's below.
Call before you dig.
or (800) 227-2600

ALAMEDA GRANT LINE SOLAR 1
UNINCORPORATED
ALAMEDA COUNTY, 95391
HORIZONTAL
CONTROL PLAN

Sheet
C3
3 of 7
06/22/2021

REVISION

NO.	BY	CHECK	DATE
1			
2			

DESIGN
DRAWN
QUANT.

NO.	BY	CHECK	DATE
1			
2			

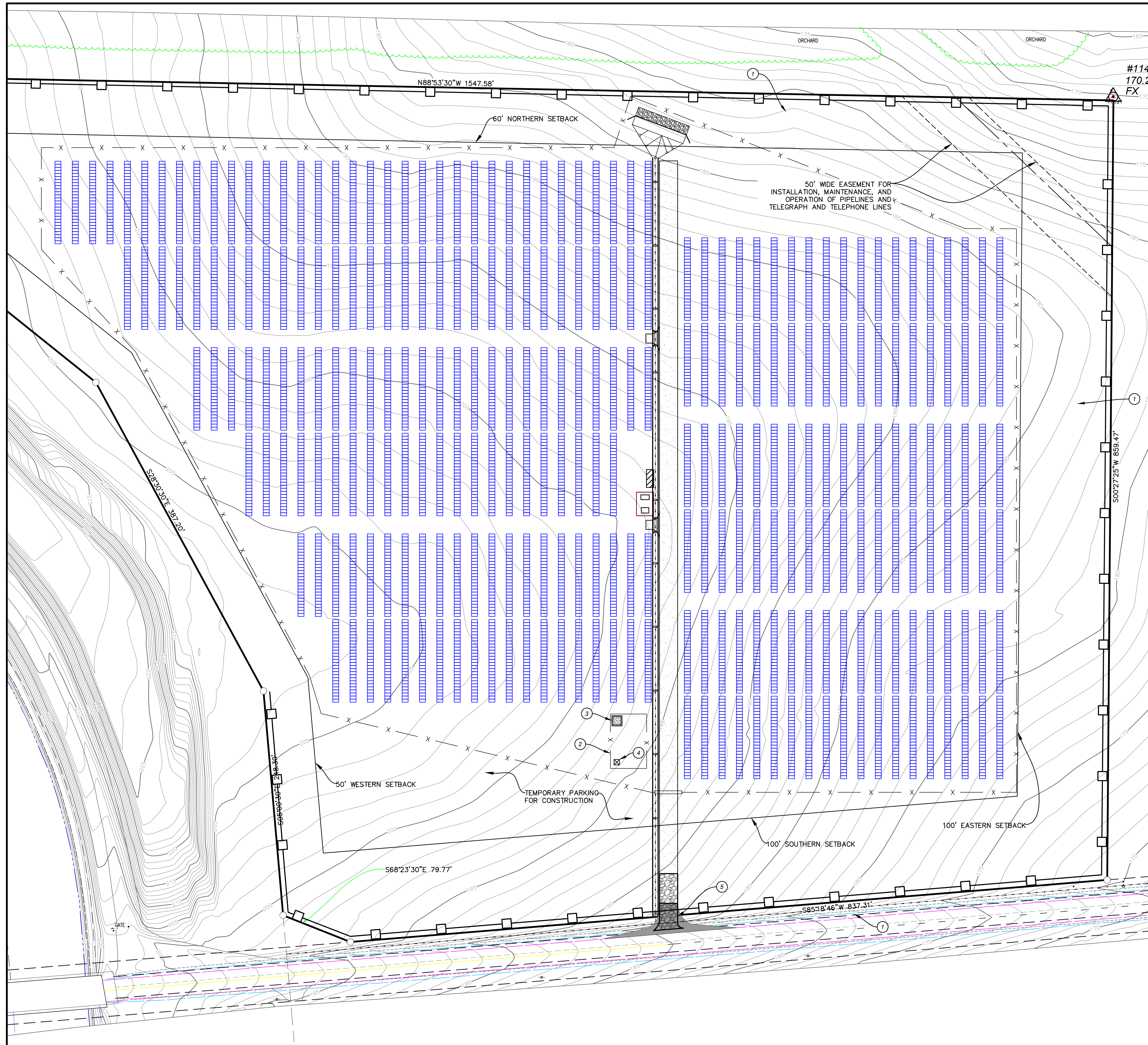
ORIGINAL SCALE IS IN INCHES

REGISTERED PROFESSIONAL ENGINEER
No. 64814
Exp. 6/30/23
6/22/21
CIVIL
STATE OF CALIFORNIA

RFE ENGINEERING, INC.
Civil Engineers - Planners - Surveyors
2260 Douglas Blvd., Suite 160, Roseville, CA 95661
Ph: 916-772-7800 Fax: 916-772-7804
www.RFEEngineering.com

SOLTAGE
66 YORK ST., 5TH FLOOR
JERSEY CITY, NJ, 07302

ALAMEDA COUNTY
SAN JUAQUIN COUNTY



LEGEND:

TEMPORARY STAGING AREA
FENCE

FIBER ROLL

CONCRETE WASHOUT

PORTABLE TOILET

TEMPORARY CONSTRUCTION
SITE ENTRANCE/EXIT

CONSTRUCTION KEYNOTES:

- ① PLACE FIBER ROLL
- ② STAGING AREA, MATERIAL STORAGE, TEMPORARY STOCKPILE STORAGE AREA, FUELING AREA.
- ③ CONSTRUCT CONCRETE WASHOUT
- ④ PLACE PORTABLE TOILET(S) FOR USE DURING CONSTRUCTION AND ANCHOR TO PREVENT OVERTURNING
- ⑤ CONSTRUCT TEMPORARY CONSTRUCTION ENTRANCE / EXIT

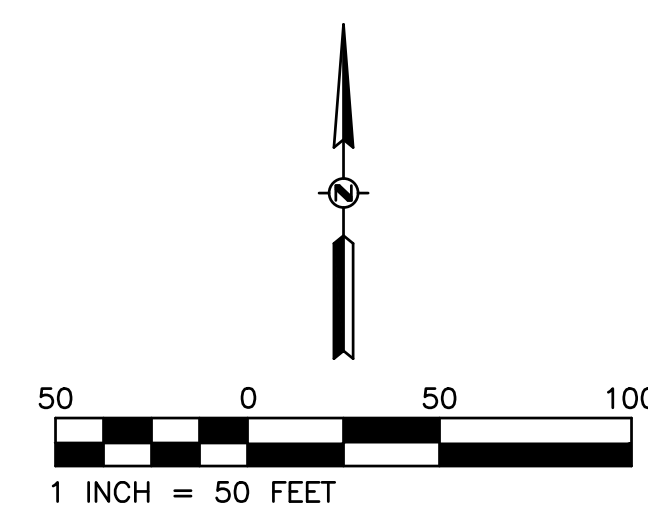
NOTE:
1. CONTRACTOR TO DETERMINE SPECIFIC LOCATIONS AND BMPS EMPLOYED FOR EROSION AND SEDIMENT CONTROL, EITHER NOT SHOWN ON PLAN OR IN ADDITION TO PLAN (AS NEEDED). HYDROSEEDING (PER CASQA MANUAL) OF PERMANENTLY EXPOSED SOIL AND EROSION CONTROL BLANKETS TO BE USED IN COMBINATION (AS REQUIRED) DURING CONSTRUCTION TO PREVENT EROSION.



SOLTAGE
66 YORK ST, 5TH FLOOR
JERSEY CITY, NJ, 07302

**AMEDA GRANT LINE SOLAR 1
W GRANT LINE RD
UNINCORPORATED
ALAMEDA COUNTY, 95391
EROSION & SEDIMENT
CONTROL PLAN**

Sheet
C5
5 of 7
06/22/2021



Know what's below.
Call before you dig.
or (800) 227-2600

REFE PROJECT 21-067 - ALAMEDA SOLAR; GRANT LINE RD, MOUNTAIN HOUSE, CA

EROSION AND SEDIMENT CONTROL NOTES:

1. THE CONTRACTOR SHALL FOLLOW ALL JURISDICTIONAL GUIDELINES FOR GRADING AND THE EROSION AND SEDIMENT CONTROL MEASURES SHOWN OR STATED ON THESE PLANS.
2. CONTRACTOR MUST ENSURE THAT THE CONSTRUCTION SITE IS PREPARED PRIOR TO THE ONSET OF ANY STORM. CONTRACTOR SHALL HAVE ALL EROSION AND SEDIMENT CONTROL MEASURES IN PLACE FOR THE WINTER MONTHS PRIOR TO OCTOBER 1.
3. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED UNTIL DISTURBED AREAS ARE STABILIZED. CHANGES TO THIS EROSION AND SEDIMENT CONTROL PLAN SHALL BE MADE TO MEET FIELD CONDITIONS ONLY WITH THE APPROVAL OF OR AT THE DIRECTION OF A REPRESENTATIVE OF THE DEPARTMENT OF UTILITIES.
4. THIS PLAN MAY NOT COVER ALL THE SITUATIONS THAT ARISE DURING CONSTRUCTION DUE TO UNANTICIPATED FIELD CONDITIONS. VARIATIONS MAY BE MADE TO THE PLAN IN THE FIELD SUBJECT TO THE APPROVAL OF OR AT THE DIRECTION OF A REPRESENTATIVE OF THE DEPARTMENT OF UTILITIES.
5. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CHECKED BEFORE AND AFTER ALL STORMS TO ENSURE MEASURES ARE FUNCTIONING PROPERLY.
6. CONTRACTOR SHALL MAINTAIN A LOG AT THE SITE OF ALL INSPECTIONS OR MAINTENANCE OF BMPS, AS WELL AS, ANY CORRECTIVE CHANGES TO THE BMPS OR EROSION AND SEDIMENT CONTROL PLAN.
7. IN AREAS WHERE SOIL WILL BE EXPOSED LONGER THAN 14 DAYS, CONTRACTOR SHALL STABILIZE EXPOSED SOILS WITH HYDROSEEDING OR OTHER EQUIVALENT METHOD. CONTRACTOR SHALL ENSURE NO AREAS WILL BE LEFT EXPOSED OVER THE WINTER SEASON.
8. THE CONTRACTOR SHALL INSTALL THE STABILIZED CONSTRUCTION ENTRANCE PRIOR TO COMMENCEMENT OF GRADING. LOCATION OF THE ENTRANCE MAY BE ADJUSTED BY THE CONTRACTOR TO FACILITATE GRADING OPERATIONS. ALL CONSTRUCTION TRAFFIC ENTERING THE PAVED ROAD MUST CROSS THE STABILIZED CONSTRUCTION ENTRANCE. THE STABILIZED CONSTRUCTION ENTRANCE SHALL REMAIN IN PLACE UNTIL THE ROAD BASE ROCK COURSE IS COMPLETED.
9. ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS SHALL BE SWEEPED AT THE END OF EACH WORKING DAY OR AS NECESSARY.
10. CONTRACTOR SHALL PLACE GRAVEL BAG BARRIERS AROUND ALL NEW DRAINAGE STRUCTURE OPENINGS IMMEDIATELY AFTER THE STRUCTURE OPENING IS CONSTRUCTED. THESE GRAVEL BAG BARRIERS SHALL BE MAINTAINED AND REMAIN IN PLACE UNTIL CONSTRUCTION IS COMPLETED.
11. SOIL STOCKPILE SHALL BE SURROUNDED BY STRAW WATTLE. CONTRACTOR SHALL COVER STOCKPILE WHEN NOT IN USE.

12. CONTRACTOR SHALL IMPLEMENT HOUSEKEEPING PRACTICES AS FOLLOWS:

A. SOLID WASTE MANAGEMENT:

PROVIDE DESIGNATED WASTE COLLECTION AREAS AND CONTAINERS. ARRANGE FOR REGULAR REMOVAL AND DISPOSAL. CLEAR SITE OF TRASH INCLUDING ORGANIC DEBRIS, PACKAGING MATERIALS, SCRAP OR SURPLUS BUILDING MATERIALS AND DOMESTIC WASTE DAILY.

B. MATERIAL DELIVERY AND STORAGE:

PROVIDE A DESIGNATED MATERIAL STORAGE AREA WITH SECONDARY CONTAINMENT SUCH AS BERMING. STORE MATERIAL ON PALLETS AND PROVIDE COVERING FOR SOLUBLE MATERIALS. RELOCATE STORAGE AREA INTO BUILDING SHELL WHEN POSSIBLE. INSPECT AREA WEEKLY.

C. CONCRETE WASTE:

PROVIDE A DESIGNATED AREA FOR A TEMPORARY PIT TO BE USED FOR CONCRETE TRUCK WASH-OUT. DISPOSE OF HARDENED CONCRETE OFFSITE. AT NO TIME SHALL A CONCRETE TRUCK DUMP ITS WASTE AND CLEAN ITS TRUCK INTO THE CITY STORM DRAINS VIA CURB AND GUTTER. INSPECT DAILY TO CONTROL RUNOFF, AND WEEKLY FOR REMOVAL OF HARDENED CONCRETE.

D. PAINT AND PAINTING SUPPLIES:

PROVIDE INSTRUCTION TO EMPLOYEES AND SUBCONTRACTORS REGARDING REDUCTION OF POLLUTANTS INCLUDING MATERIAL STORAGE, USE, AND CLEAN UP. INSPECT SITE WEEKLY FOR EVIDENCE OF IMPROPER DISPOSAL.

E. VEHICLE FUELING, MAINTENANCE AND CLEANING:

PROVIDE A DESIGNATED FUELING AREA WITH SECONDARY CONTAINMENT SUCH AS BERMING. DO NOT ALLOW MOBILE FUELING OF EQUIPMENT. PROVIDE EQUIPMENT WITH DRIP PANS. RESTRICT ON-SITE MAINTENANCE AND CLEANING OF EQUIPMENT TO A MINIMUM. INSPECT AREA WEEKLY.

F. HAZARDOUS WASTE MANAGEMENT:

PREVENT THE DISCHARGE OF POLLUTANTS FROM HAZARDOUS WASTES TO THE DRAINAGE SYSTEM THROUGH PROPER MATERIAL USE, WASTE DISPOSAL AND TRAINING OF EMPLOYEES. HAZARDOUS WASTE PRODUCTS COMMONLY FOUND ON-SITE INCLUDE BUT ARE NOT LIMITED TO PAINTS & SOLVENTS, PETROLEUM PRODUCTS, FERTILIZERS, HERBICIDES & PESTICIDES, SOIL STABILIZATION STABILIZATION PRODUCTS, ASPHALT PRODUCTS AND CONCRETE CURING PRODUCTS.
13. THE FOLLOWING SOIL WIND EROSION CONTROL (DUST CONTROL) METHODS ARE PROPOSED AS PART OF THESE IMPROVEMENT PLANS:

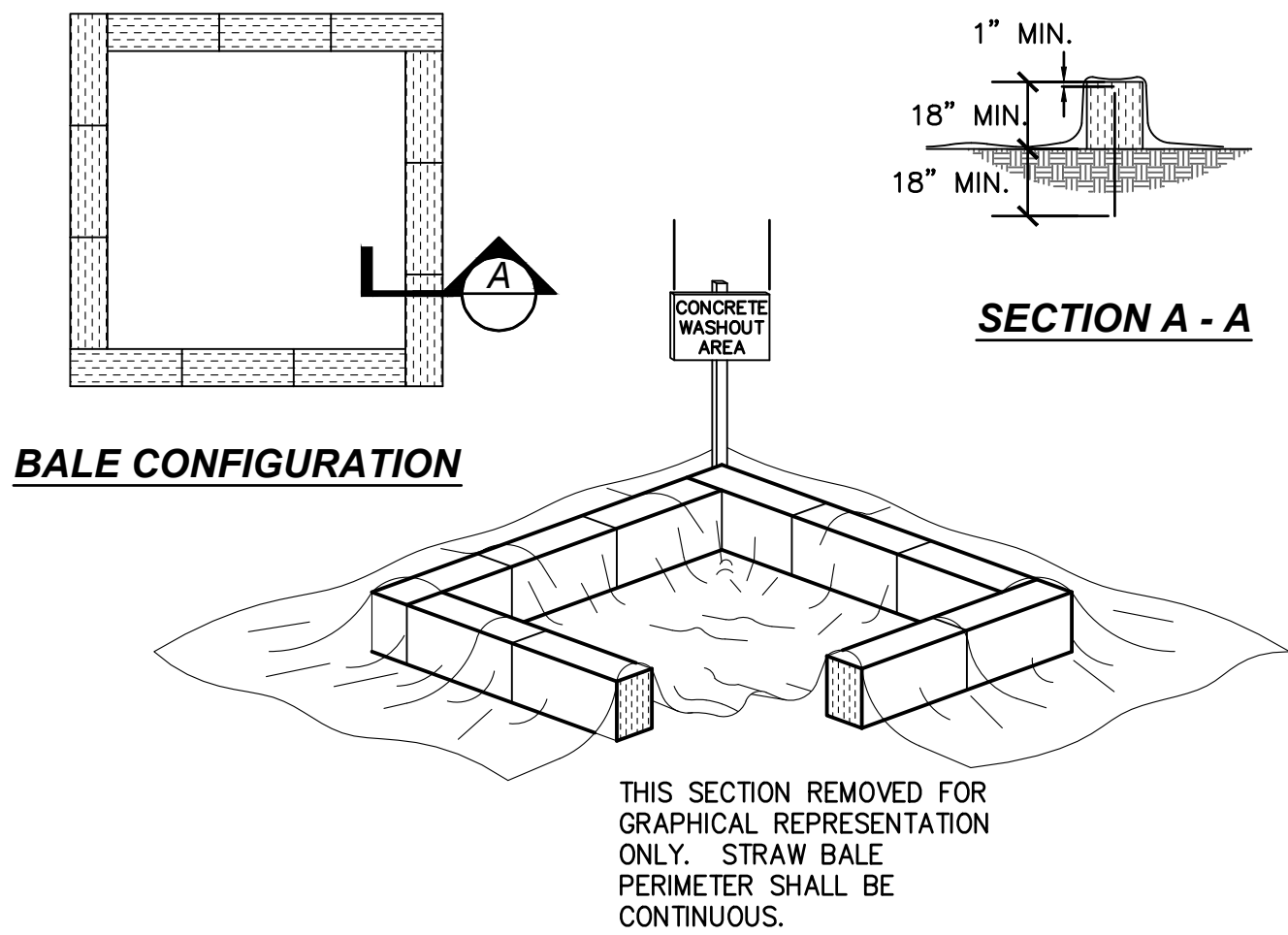
A. WATER THE SOIL OF THE SITE AND THE ADJACENT STREETS BEING USED IN CONNECTION WITH SOIL DISTURBANCE OPERATIONS ON THE SITE IN ACCORDANCE WITH CALTRANS STANDARDS.

B. COVER EXPOSED SOIL WITH GRAVEL OR ROCK LANDSCAPING.

C. COVER EXPOSED SOIL WITH ORGANIC MULCHES, SPRINKLER IRRIGATED.

D. IRRIGATE GRASSES.

E. MAINTAIN LANDSCAPE VEGETATION.
14. REFER TO THE PROJECT SWPPP FOR ADDITIONAL EROSION AND SEDIMENT CONTROL REQUIREMENTS AND RECOMMENDATIONS.



- NOTES:
- 1.) FACE SIGN TOWARD NEAREST STREET OR ACCESS POINT.
- 2.) CONCRETE WASHOUT SHALL BE LOCATED BEHIND THE CURB AND 50 FT. MINIMUM FROM DRAINAGE INLETS OR WATERCOURSES

5

NTS

CONCRETE WASHOUT

CONSTRUCTION SITE

RIGHT OF WAY

SECTION A-A

PLAN VIEW

NOTE:

1. STABILIZED CONSTRUCTION SITE ACCESS SHALL BE CONSTRUCTED OF CRUSHED AGGREGATE (WASHED) BETWEEN 3–6 INCHES. MATERIAL SHALL BE PLACED TO A MINIMUM THICKNESS OF 12 INCHES.

2. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE TOP DRESSING WITH MATERIAL (AS SPECIFIED IN NOTE 1), REPAIR AND/OR CLEAN OUT OF ANY MEASURES USED TO TRAP SEDIMENT.

3. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.

4. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.

5. WHERE RUNOFF CONTAINING SEDIMENT LADEN WATER IS LEAVING THE SITE VIA THE CONSTRUCTION ENTRANCE, OTHER MEASURES SHALL BE IMPLEMENTED TO DIVERT RUNOFF THROUGH AN APPROVED FILTERING SYSTEM.

6. LENGTH OF ENTRANCE SHALL BE A MINIMUM OF 50 FEET. WIDTH SHALL BE A MINIMUM OF 15 FEET OR GREATER IF NECESSARY TO COVER ALL VEHICULAR INGRESS AND EGRESS. PROVIDE AMPLE TURNING RADI, MIN. 20–FOOT RADIUS.

7. ACCESSES SHALL BE INSPECTED WEEKLY DURING PERIODS OF HEAVY USAGE, AND AFTER EACH RAINFALL, WITH MAINTENANCE PROVIDED AS NECESSARY. PERIODIC TOP DRESSING SHALL BE DONE AS NEEDED.

4

NTS

CONSTRUCTION ENTRANCE

PLAN VIEW

SECTION 'A'

NOTES:

1. STRAW WATTLES TO BE PLACED ALONG SITE CONTOURS.

2. HORIZONTAL SPACING VARIES DEPENDING ON SOIL TYPE AND STEEPNESS, SEE PLAN (5' MIN – 25' MAX.)

3. RUNOFF MUST NOT BE ALLOWED TO RUN UNDER OR AROUND ROLL.

4. STRAW WATTLE SHALL BE RICE STRAW ONLY. USE OF FIBER ROLLS, WHEAT GRASS, OR RYE STRAW NOT PERMITTED.

5. AT ENDS OF A ROW TURN THE LAST TWO FEET UP SLOPE SLIGHTLY

1

NTS

FIBER ROLL

ALAMEDA GRANT LINE SOLAR 1

W/ GRANT LINE RD

UNINCORPORATED

ALAMEDA COUNTY, 95391

EROSION & SEDIMENT

CONTROL NOTES & DETAILS

Sheet

C6

6 of 7

06/22/2021

APPRVD

BY

DATE

REVISION

CHECK

NO.

BY

DESIGN

DRAWN

QUANT.

ORIGINAL SCALE IS IN INCHES

REGISTERED PROFESSIONAL ENGINEER

STATE OF CALIFORNIA

No. 64814

Exp. 6-30-23

6/22/21

CIVIL

RFE ENGINEERING, INC.

Civil Engineers • Planners • Surveyors

2260 Douglas Blvd., Suite 160, Roseville, CA 95661

Ph: 916-772-7800 Fax: 916-772-7804

www.RFEengineering.com

SOLTAGE

66 YORK ST, 5TH FLOOR

JERSEY CITY, NJ, 07302

