GENERAL NOTES:

1. SUBCONTRACTOR MUST VERIFY DIMENSIONS AND CONDITIONS PRIOR TO STARTING WORK.

2. SUBCONTRACTOR MUST SUBMIT MATERIAL DATA PER THE SPECIFICATIONS TO CONSTRUCTION MANAGER FOR REVIEW PRIOR TO INSTALLATION

3. THE "REGULATIONS FOR IN-USE OFF-ROAD DIESEL VEHICLES" LIMITS IDLING OF DIESEL-FUELED OFF-ROAD VEHICLES WITH ENGINES GREATER THAN OR EQUAL TO 25 HORSEPOWER THAT ARE NOT DESIGNED FOR USE ON ROADS OR HIGHWAYS (E.G., BACK HOES, ASPHALT COMPACTOR ROLLERS, CRANES, DOZERS, EXCAVATORS, FORKLIFTS, GRADERS, TRACTORS, ETC.). SUBCONTRACTOR MUST RESTRICT IDLING OF ANY DIESEL-FUELED EQUIPMENT WITH AN ENGINE GREATER THAN OR EQUAL TO 25 HORSEPOWER TO NO LONGER THAN FIVE MINUTES. IDLING IS WHEN THE ENGINE IS OPERATING AND THE VEHICLE IS NOT MOVING OR IS NOT PERFORMING WORK. THE ENGINES MUST HAVE A CALIFORNIA AIR CONTROL RESOURCES BOARD (CARB) REGISTRATION AND ASSOCIATED STICKERS.

4. SUBCONTRACTOR MUST BE RESPONSIBLE FOR IMPLEMENTATION OF BEST MANAGEMENT PRACTICES (BMPS) PER THE SWPPP TO LIMIT DISCHARGE OF POLLUTANTS FROM CONSTRUCTION RELATED ACTIVITIES. SEE FACILITY SPECIFICATION 01 35 43 ENVIRONMENTAL PROTECTION.

5. THE PROJECT LAND DISTURBANCE IS OVER ONE ACRE AND IS SUBJECT TO EISA 438 OR CALIFORNIA GENERAL CONSTRUCTION PERMIT REQUIREMENTS.

6. SUBCONTRACTOR MAY REQUEST HORIZONTAL AND VERTICAL CONTROL POINTS, SUBCONTRACTOR MUST COORDINATE WITH CONSTRUCTION MANAGER.

7. CALTRANS SPECIFICATIONS REFERENCES THE 2018 STANDARD SPECIFICATIONS.

8. SUBCONTRACTOR IS REQUIRED TO POTHOLE AND VERIFY TIE-IN UTILITY DEPTH AND MATERIAL TYPE PRIOR TO COMMENCING TRENCHING.

9. THE SUBCONTRACTOR MUST BE SOLELY RESPONSIBLE FOR THE COST OF REPLACING ALL SURVEY WHICH ARE DAMAGED, DESTROYED OR DISTURBED DUE TO THEIR CONSTRUCTION ACTIVITIES. PRIOR TO CONSTRUCTION, SURVEY MONUMENTS THAT ARE LOCATED WITHIN THE CONSTRUCTION WORK AREA MUST BE TIED-OUT AND REFERENCED BY A LAND SURVEYOR LICENSED IN THE STATE OF CALIFORNIA. UPON COMPLETION OF CONSTRUCTION, ALL DAMAGED DESTROYED OR DISTURBED SURVEY MONUMENTS MUST BE REPLACED, AND A CORNER RECORD OF SURVEY MUST BE PREPARED AND FILED WITH THE COUNTY SURVEYOR AS REQUIRED BY THE PROFESSIONAL LAND SURVEYOR'S ACTS, SECTION 8771 OF THE BUSINESS AND PROFESSIONS CODE OF THE STATE OF CALIFORNIA.
10. IF ANY VERTICAL CONTROL IS TO BE DISTURBED OR DESTROYED, MUST BE NOTIFIED IN WRITING, AT LEAST 3 DAYS PRIOR TO THE CONSTRUCTION. THE SUBCONTRACTOR IS SOLELY RESPONSIBLE FOR THE COST ASSOCIATED WITH REPLACING ANY VERTICAL CONTROL BENCHMARKS DESTROYED OR DISTURBED DUE TO THE CONTRACTOR'S CONSTRUCTION ACTIVITIES.

11. SUBCONTRACTOR MUST COORDINATE WITH CM FOR FINAL INSPECTION OF NEW UTILITIES PRIOR TO BACKFILLING OR PRIOR TO PLACING CONCRETE FOR ELECTRICAL AND TELECOM DUCTBANK.

12. PERFORM WORK SAFELY AND PROVIDE A PLACE OF EMPLOYMENT FREE FROM RECOGNIZED HAZARDS THAT MAY CAUSE, OR ARE LIKELY TO CAUSE, DEATH OR SERIOUS PHYSICAL HARM TO EMPLOYEES. THIS INCLUDES PROVIDING PROTECTION FOR THE PUBLIC AND THE ENVIRONMENT. THE SUBCONTRACTOR IS RESPONSIBLE FOR THE SAFE PERFORMANCE OF THE WORK IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND SPECIFIC ES&H REQUIREMENTS. EXERCISE A DEGREE OF CARE COMMENSURATE WITH THE WORK AND THE ASSOCIATED HAZARDS. ENSURE THAT ES&H IS AN INTEGRAL AND TRANSPARENT PART OF THE PLANNING AND EXECUTION OF WORK.

13. STANDARD WORK HOURS ARE MONDAY THROUGH FRIDAY FROM 7:00 AM TO 6:00 PM, EXCEPT HOLIDAYS
    a. OPEN TO EARLIER START TIMES DURING SUMMER MONTHS DUE TO SUMMER TEMPERATURES
    b. SUBMIT REQUESTS FOR NONSTANDARD WORK HOURS TO THE STR AT LEAST 48 HOURS IN ADVANCE

14. COMPLY WITH, AND ASSIST IN COMPLYING WITH, ES&H REQUIREMENTS OF APPLICABLE LAWS AND REGULATIONS, AND APPLICABLE DIRECTIVES IDENTIFIED IN THIS SUBCONTRACT. COOPERATE WITH FEDERAL, STATE, AND LOCAL AGENCIES HAVING JURISDICTION OVER ES&H MATTERS UNDER THIS SUBCONTRACT.

15. SUBCONTRACTORS ARE REQUIRED TO SUBMIT DOCUMENTATION OF THE WORK TASKS, HAZARDS, CONTROLS, GENERAL SAFETY PRACTICES, AND READINESS TO WORK . THIS INFORMATION IS TERMED "ES&H SUBMITTALS."

16. THE SUBCONTRACTOR IS RESPONSIBLE TO TRAIN ITS EMPLOYEES IN ACCORDANCE WITH LAWS AND STANDARDS, AND INCLUDE ADDITIONAL TRAINING FOR SITE SUPERVISION. CONTINUE TRAINING THROUGH THE TERM OF THE SUBCONTRACT. SUBMIT COPIES OF TRAINING CERTIFICATES FOR EACH EMPLOYEE FOR OPERATIONS THAT REQUIRE SUCH TRAINING PRIOR TO PERFORMING THE WORK

17. CONFINED SPACES. CONDUCT ENTRIES OF PERMIT-REQUIRED CONFINED SPACES IN ACCORDANCE WITH 29 CFR 1910.146, 29 CFR1926 SUBPART AA, AND ANSI Z88.2. IF THE SUBCONTRACTOR IS THE SOLE ENTRANT, THE ENTRY WILL BE PERFORMED UNDER THE SUBCONTRACTOR'S CONFINED SPACE PROGRAM USING THE SUBCONTRACTOR'S ENTRY PERMIT.

    IN ALL CASES, CONDUCT A JOINT PRE-ACTIVITY WALKTHROUGH TO REVIEW CONFINED SPACE HAZARDS AND CONTROLS.

18. WELDING AND BURNING ACTIVITIES. PERFORM WELDING IN ACCORDANCE WITH ANSI Z49.1: SAFETY IN WELDING, CUTTING, AND ALLIED PROCESSES, SECTIONS 4.3 AND E4.3. DO NOT USE THORIATED WELDING RODS WITHOUT THE STR'S APPROVAL IN WRITING. SUBMIT WELDING PROGRAM AS PART OF THE CORPORATE SAFETY PLAN.

19. SILICA DUST. WHEN PERFORMING WORK GENERATING SILICA DUST (E.G., JACKHAMMERING, CORE-DRILLING, OR SAW-CUTTING CONCRETE, REMOVING OR SAWING TILE OR STONE, SAND-BLASTING, REPAVING), PROTECT WORKERS IN ACCORDANCE WITH THE OSHA SILICA STANDARD (29 CFR 1926.1153) USING A COMBINATION OF ADMINISTRATIVE CONTROLS, ENGINEERING CONTROLS, AND PPE TO PREVENT WORKER EXPOSURE TO RESPIRABLE AIRBORNE SILICA FROM EXCEEDING THE ACGIH TLV EXPOSURE LIMITS. AFTER JANUARY 17, 2019, CONSTRUCTION CONTRACTORS MUST OBTAIN EITHER EXPOSURE MONITORING DATA OR USE A COMBINATION OF EXPOSURE MONITORING DATA AND OBJECTIVE DATA TO ACCURATELY CHARACTERIZE WORKER EXPOSURES TO RESPIRABLE SILICA INSTEAD OF RELYING SOLELY ON THE CONTROLS IDENTIFIED 29 CFR 1926.1153(C)(1) TABLE 1. IN THE ABSENCE OF EXPOSURE MONITORING DATA, RESPIRATORY PROTECTION GREATER THAN THAT SPECIFIED IN TABLE 1 MAY BE REQUIRED. ALL MONITORING RESULTS CONDUCTED BY SUBCONTRACTORS ON THEIR EMPLOYEES PERFORMING WORK MUST BE SUBMITTED TO THE STR AND ES&H TEAMS

20. ASBESTOS HAZARD RELATED TO THE CUTTING/REMOVAL OF UNDERGROUND ASBESTOS CEMENT PIPE (TRANSIT PIPE) IS EXPECTED DURING UTILITIES DEMOLITION AND UTILITY TIE-IN WORK. SUCH ACTIVITIES REQUIRE 16 HOURS ASBESTOS TRAINING AND RESPIRATOR PROTECTION PER OSHA ASBESTOS SAFETY CLASS III.

21.

22. TRAFFIC CONTROL PLAN. SUBMIT A TRAFFIC CONTROL PLAN TO PMEC CIVIL ENGINEER AND THE FACILITIES & INFRASTRUCTURE POINT OF CONTACT (FPOC) FOR 02 LAND FOR REVIEW AND APPROVAL PRIOR TO THE START OF CONSTRUCTION. SHOW HOW PEDESTRIAN AND VEHICULAR TRAFFIC WILL BE MAINTAINED DURING CONSTRUCTION ON THE TRAFFIC CONTROL PLAN.

23. DO NOT COMMENCE EARTH-MOVING OPERATIONS UNTIL TEMPORARY SITE FENCING AND EROSION- AND SEDIMENTATION-CONTROL MEASURES SPECIFIED IN SECTION 01 35 43 "ENVIRONMENTAL PROTECTION," 01 50 00 "TEMPORARY FACILITIES AND CONTROLS", AND 31 10 00 "SITE CLEARING" ARE IN PLACE.

THIS IS PRIVATE PROPERTY AND THE 811 PROCESS DOES NOT PROTECT YOU FROM HITTING PRIVATE UTILITIES. PLEASE USE NON-INVASIVE TECHNIQUES SUCH AS GPR AND ELECTROMAGNETIC TRACING TO LOOK FOR UTILITIES PRIOR TO ANY EXCAVATION.

PERMITTING GENERAL NOTES:

1. ADVANCE NOTIFICATION REQUIREMENTS:
   a. 24 HOURS FOR BURN ACTIVITIES
   b. 14 DAYS FOR THE FOLLOWING; SOIL AND EXCAVATION, CONCRETE PENETRATIONS, UTILITY OUTAGE.
   c. KEEP THE PERMIT CARD ON THE JOB SITE AT ALL TIMES FOR BUILDING INSPECTOR SIGN-OFF.

EXCAVATION AND TRENCHING GENERAL NOTES:

1. BEFORE BEGINNING EXCAVATIONS 5 FEET OR MORE IN DEPTH, SUBMIT IN THE CORPORATE SAFETY PLAN THE TRENCHING AND EXCAVATION PROGRAM, AND IN THE JHA OR A SEPARATE DOCUMENT SUBMIT A DETAILED PLAN SHOWING THE DESIGN OF SHORING, BRACING, SLOPING, OR OTHER PROVISIONS TO PROTECT WORKERS FROM THE HAZARD OF CAVING GROUND DURING THE EXCAVATION.
2. SUBCONTRACTOR MUST COORDINATE WITH CONSTRUCTION MANAGER TO OBTAIN SOIL AND EXCAVATION PERMIT AND CONCRETE PENETRATION PERMIT PRIOR TO COMMENCING TRENCHING. TRENCHING MUST CONFORM TO REQUIREMENTS PER SPECIFICATION 31 20 00 EARTH MOVING.
3. PERFORM EXCAVATION UNDER THE SUPERVISION OF A COMPETENT PERSON AS DEFINED BY 29 CFR 1926, SECTIONS 650 AND 651. IF EXCAVATION UNCOVERS AN UNIDENTIFIED UTILITY, STOP EXCAVATION IN THIS AREA AND IMMEDIATELY NOTIFY

EMERGENCIES:

1. IN AN EMERGENCY AFFECTING THE SAFETY OF PERSONS OR PROPERTY, IMMEDIATELY CALL 911 FROM SYSTEM PHONE OR CELLULAR PHONE, AND TAKE APPROPRIATE ACTION TO PREVENT OR MINIMIZE DAMAGE, INJURY, OR LOSS, AND TO PRESERVE THE INTEGRITY OF THE SCENE FOR FUTURE INVESTIGATION. PROMPTLY NOTIFY THE STR OF THE OCCURRENCE OF SUCH AN EMERGENCY AND ACTIONS TAKEN BY THE SUBCONTRACTOR. THIS NOTICE MAY BE ORAL FOLLOWED BY WRITTEN CONFIRMATION.

CIVIL SHEET INDEX

SHEET NUMBER	SHEET DESCRIPTION
C-001	GENERAL NOTES AND ABBREVIATIONS
CD-101	DEMOLITION PLAN
C-101	CIVIL SITE PLAN
C-501	CIVIL DETAILS
C-502	CIVIL DETAILS
C-503	CIVIL DETAILS

LEGEND

Existing Condition	Description	Plan
	LIMITS OF CONSTRUCTION	
	GRADING LIMIT LINE	
	EASEMENT LINE	
X X X X	CHAIN LINK FENCE	
HPG HPG	HIGH PRESSURE NATURAL GAS	HPG HPG
E	ELECTRIC UTILITY/CONDUIT	E
COM	COMMUNICATION LINE	COM
SD	STORM DRAINAGE LINE	SD
SS SS	SANITARY SEWER LINE	SS
CW CW	DOMESTIC WATER LINE	CW CW
IRR IRR	IRRIGATION LINE	IRR IRR
(XXX)	MAJOR CONTOURS	XXX
	MINOR CONTOURS	
W	MONITORING WELL	
S	SEWER STRUCTURE/MANHOLE	S
	FIRE DEPARTMENT CONNECTION	
	FIRE HYDRANT	
	POST INDICATOR VALVE	
	TREE OR SHRUB AS INDICATED	
	LIGHT POLE	
	STORM DRAIN STRUCTURE/MANHOLE	D
	STORM DRAIN INLET	
	IRRIGATION BOX	
	UTILITY VAULT PER PLAN	
	INLET/OUTLET STRUCTURE	
	WATER VALVE	
	THRUST BLOCK	
	TEE	
	ELBOW	
	CAP OR PLUG	
000.00x	SIGN	
	ELEVATION	00.00 XX 00.00 XX 00.00 XX
	FLOW LINE	

GRID LETTER, GRID NUMBER

D5 **VIEW/SHEET TITLE**

SHEET NO SCALE: 1"= SCALE IN FEET OR NONE

KEYED ITEM/NOTE #

GRID LETTER, GRID NUMBER

D7 **DETAIL TITLE**

SHEET NO SCALE: 1"=SCALE IN FEET OR NONE

ABBREVIATIONS

ADA	AMERICAN DISABILITIES ACT		
BC	BEGIN CURVE	LP	LOW POINT
BVC	BEGIN VERTICAL CURVE	MH	MANHOLE
CL	CENTERLINE	MOC	MIDDLE OF CURVE
CO	CLEANOUT	O.C.	ON CENTER
DIA	DIAMETER	PB	PULL BOX
DI	DROP INLET	PCC	PORTLAND CEMENT CONCRETE
EC	END CURVE	PIV	POST INDICATOR VALVE
ECCAB/TRANS	ELECTRICAL CABINET / TRANSFORMER	SW	SIDEWALK
EP	EDGE OF PAVEMENT	SDMH	STORM DRAIN MANHOLE
EV	ELECTRIC VEHICLE	TG	TOP OF GRATE
EVC	END VERTICAL CURVE	TYP	TYPICAL
EX	EXISTING	UTILS	UTILITIES
FF	FINISH FLOOR	WM	WATER METER
FDC	FIRE DEPARTMENT CONNECTION	@	AT
FH	FIRE HYDRANT	Ø	DIAMETER/PHASE
FG	FINISH GROUND	#	NUMBER
FL	FLOW LINE	%	PERCENT
FS	FINISH SURFACE	±	PLUS/MINUS (APPROXIMATE)
GB	GRADE BREAK		
HH	HAND HOLE		
HP	HIGH POINT		
INV	INVERT		

NOTE:
SOME ABBREVIATIONS MAY NOT BE USED ON THIS PLAN

KEY PLAN

Sheet Title
GENERAL NOTES AND ABBREVIATIONS

Dwg. No.
PLC2021-0432-0001D

Sht. No.
C-001