



Know what's below.
Call before you dig.



LEGEND

	EXISTING	PROPOSED
CENTERLINE	_____	_____
PROPERTY LINE	_____	_____
WATER	_____ W _____	_____
SANITARY SEWER	_____ S _____	_____
BACK OF CURB	_____	_____
FRONT OF CURB	_____	_____
FLOWLINE	_____	_____
LIP	_____	_____
BACK OF WALK	_____	_____
GUARDRAIL	_____	_____
BLOCK WALL	_____	_____
SAWCUT	_____	_____
GATE	✓	
FOUND MONUMENT	●	
SEWER MANHOLE	Ⓢ	
BACKFLOW PREVENTER	BFP	
FIRE HYDRANT	Ⓜ	
WATER METER	Ⓜ	
WATER VALVE	⊗	
HOSE BIB	+	
TELEPHONE STRUCTURE	□	
ELECTRICAL STRUCTURE	□	

ABBREVIATIONS

AC	NO.	NUMBER	
AC	ASPHALT CONCRETE		
APN	ASSESSOR'S PARCEL NUMBER	PVC	POLYVINYL CHLORIDE
CALC'D	CALCULATED	R=	RADIUS
CONC	CONCRETE	REQD	REQUIRED
DIA	DIAMETER	SCH	SCHEDULE
DIP	DUCTILE IRON PIPE	SSWW	SANITARY SEWER WET WELL
(E)	EXISTING	TC	TOP OF CURB
EL	ELEVATION	TYP	TYPICAL
F&I	FURNISH AND INSTALL	W/	WITH
FG	FINISHED GRADE		
FL	FLOWLINE		
INV	INVERT		

SPECIAL NOTE
WHERE UNDERGROUND AND SURFACE STRUCTURES ARE SHOWN ON THE PLANS, THE LOCATIONS, DEPTH AND DIMENSIONS OF STRUCTURES ARE BELIEVED TO BE REASONABLY CORRECT, BUT ARE NOT GUARANTEED. SUCH STRUCTURES ARE SHOWN FOR THE INFORMATION OF THE CONTRACTOR, BUT INFORMATION SO GIVEN IS NOT TO BE CONSTRUED AS A REPRESENTATION THAT SUCH STRUCTURES WILL, IN ALL CASES, BE FOUND WHERE SHOWN, OR THAT THEY REPRESENT ALL OF THE STRUCTURES WHICH MAY BE ENCOUNTERED.

SITE SAFETY AND PROTECTION NOTES
THE DUTY OF THE ENGINEER, OWNER OR ITS AGENTS TO CONDUCT CONSTRUCTION REVIEW OF THE CONTRACTOR'S PERFORMANCE AND THE UNDERTAKING OF INSPECTIONS OR THE GIVING OF INSTRUCTIONS AS AUTHORIZED HEREIN IS NOT INTENDED TO INCLUDE REVIEW OF THE ADEQUACY OF THE CONTRACTOR'S SAFETY MEASURES IN, ON, OR NEAR THE CONSTRUCTION SITE AND SHALL NOT BE CONSTRUED AS SUPERVISION OF THE ACTUAL CONSTRUCTION NOR MAKE THE ENGINEER, OWNER OR ITS AGENTS RESPONSIBLE FOR PROVIDING A SAFE PLACE FOR THE PERFORMANCE OF WORK BY THE CONTRACTOR, SUBCONTRACTORS, OR SUPPLIERS, OR FOR ACCESS, VISITS, USE, WORK, TRAVEL OR OCCUPANCY BY ANY PERSON.

THE CONTRACTOR SHALL HAVE AT THE WORK SITE, COPIES OF SUITABLE EXTRACTS OF CONSTRUCTION SAFETY ORDERS, ISSUED BY CAL-OSHA. CONTRACTOR SHALL COMPLY WITH PROVISIONS OF THESE AND ALL OTHER APPLICABLE LAWS, ORDINANCES AND REGULATIONS. THE CONTRACTOR MUST COMPLY WITH PROVISIONS OF THE SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION, PROMULGATED BY THE SECRETARY OF LABOR UNDER SECTION 107 OF THE CONTRACT WORK HOURS AND SAFETY STANDARDS ACT, AS SET FORTH IN TITLE 29 C.F.R.

TO PROTECT THE LIVES AND HEALTH OF CONTRACTOR'S EMPLOYEES UNDER THE CONTRACT, THE CONTRACTOR SHALL COMPLY WITH ALL PERTINENT PROVISIONS OF THE "MANUAL OF ACCIDENT PREVENTION IN CONSTRUCTION" ISSUED BY THE ASSOCIATED GENERAL CONTRACTORS OF AMERICA, INC., AND SHALL MAINTAIN AN ACCURATE RECORD OF ALL CASES OF DEATH, OCCUPATIONAL DISEASE, AND INJURY REQUIRING MEDICAL ATTENTION OR CAUSING LOSS OF TIME FROM WORK, ARISING OUT OF AND IN THE COURSE OF EMPLOYMENT OR WORK UNDER THE CONTRACT.

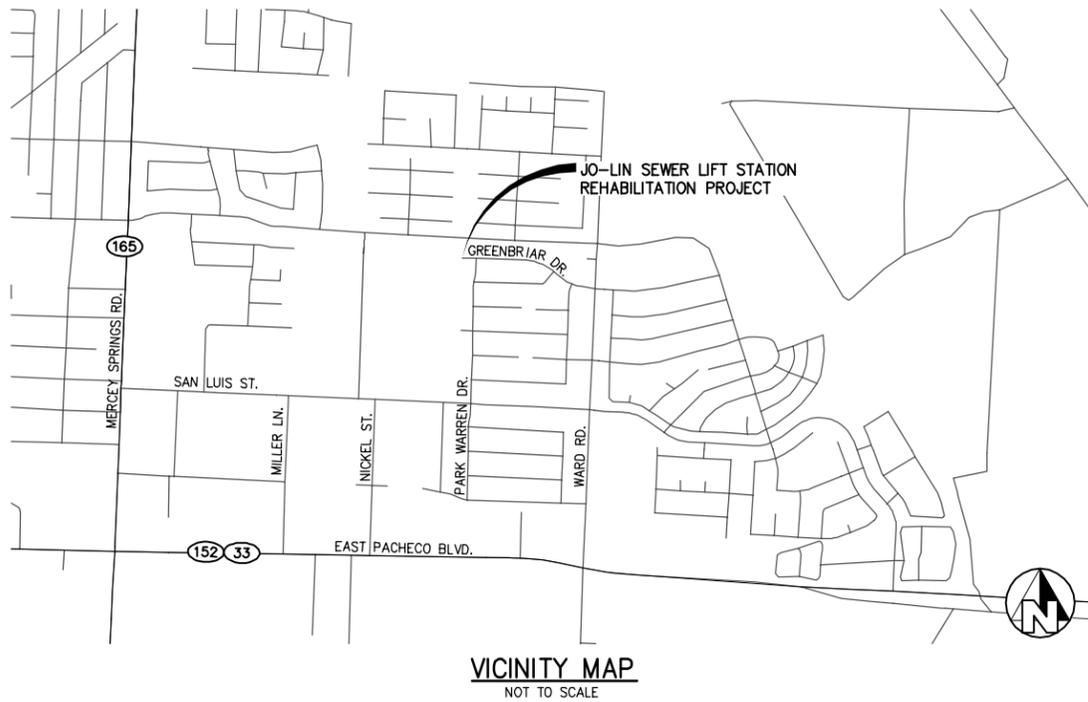
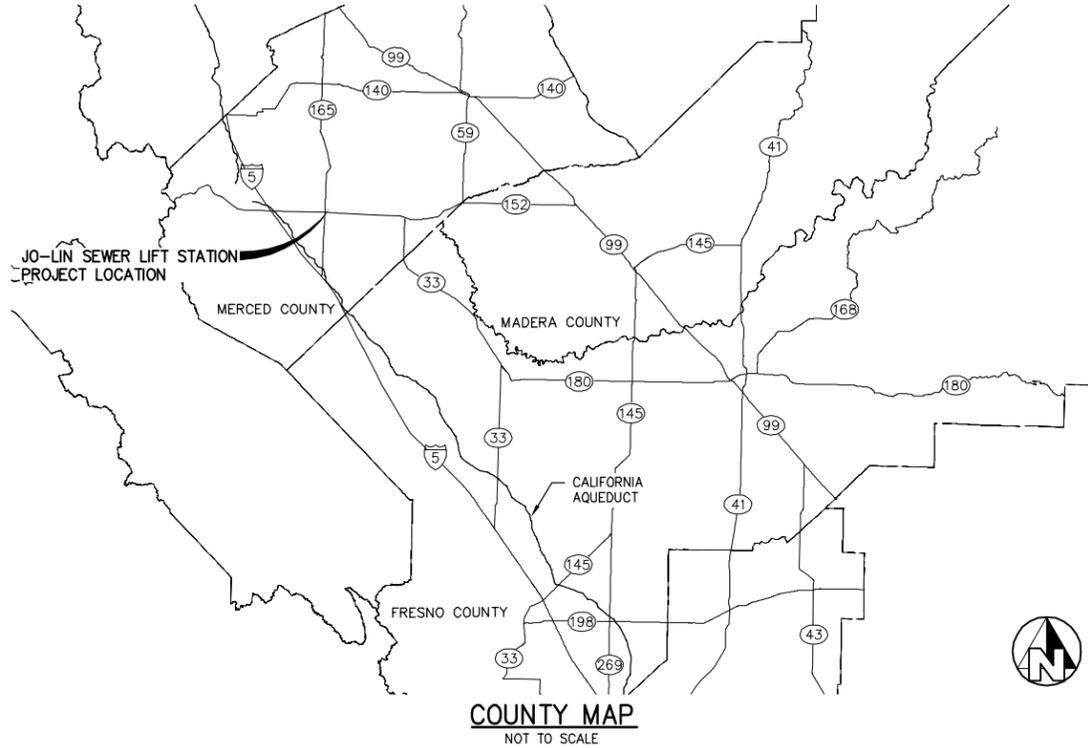
THE CONTRACTOR ALONE SHALL BE RESPONSIBLE FOR THE SAFETY, EFFICIENCY, AND ADEQUACY OF CONTRACTOR'S FACILITIES, APPLIANCES, AND METHODS AND FOR ANY DAMAGE, WHICH MAY RESULT FROM THEIR FAILURE OR THEIR IMPROPER CONSTRUCTION, MAINTENANCE OR OPERATION.

THE CONTRACTOR AGREES THAT IT SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER, PROVOST & PRITCHARD CONSULTING GROUP, AND THEIR RESPECTIVE AGENTS HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF OWNER, ENGINEER, OR THEIR RESPECTIVE AGENTS.

THE OWNER AND ITS AGENTS' SITE RESPONSIBILITIES ARE LIMITED SOLELY TO THE ACTIVITIES OF THEIR EMPLOYEES ON SITE. THESE RESPONSIBILITIES SHALL NOT BE INFERRED BY ANY PARTY TO MEAN THAT THE OWNER OR ITS AGENTS HAVE RESPONSIBILITY FOR SITE SAFETY, SAFETY IN, ON, OR ABOUT THE SITE IS THE SOLE AND EXCLUSIVE RESPONSIBILITY OF THE CONTRACTOR ALONE. THE CONTRACTOR'S METHODS OF WORK PERFORMANCE, SUPERINTENDENCE AND THE CONTRACTOR'S EMPLOYEES, AND SEQUENCING OF CONSTRUCTION ARE ALSO THE SOLE AND EXCLUSIVE RESPONSIBILITIES OF THE CONTRACTOR ALONE.

CITY OF LOS BANOS MERCED COUNTY

JO-LIN SEWER LIFT STATION REHABILITATION



GENERAL NOTES

- CITY OF LOS BANOS (209-827-7056) SHALL BE CONTACTED AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF WORK ON OR NEAR EXISTING CITY OF LOS BANOS FACILITIES.
- USED MATERIAL, REJECTS, MISFITS, OR SECONDS, ETC. ARE NOT ACCEPTABLE FOR USE ON CITY OF LOS BANOS FACILITIES.
- ALL CONSTRUCTION SHALL BE IN CONFORMANCE WITH THESE PLANS, PROJECT SPECIFICATIONS AND CITY OF LOS BANOS SPECIFICATIONS.
- CONTRACTOR SHALL FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL EXISTING FACILITIES PRIOR TO COMMENCING WORK. CALL UNDERGROUND SERVICE ALERT (USA) AT 8-1-1. CONTRACTOR SHALL MAKE ENGINEER AWARE OF ANY DISCREPANCIES.
- ALL CAST-IN-PLACE CONCRETE STRUCTURES TO USE ASTM C494 TYPE F AND TYPE G SUPERPLASTICIZER (HIGH RANGE WATER REDUCER) ADMIXTURE, WITH A MINIMUM 6 SACK CONCRETE MIXTURE. MAX SLUMP NOT TO EXCEED 10 INCHES WITH NO CONCRETE VIBRATOR REQUIRED DURING CONCRETE PLACEMENT.
- CITY OF LOS BANOS SHALL INSPECT ALL WORK PHASES ON CONCRETE FACILITIES FOR CONFORMANCE TO CITY OF LOS BANOS SPECIFICATIONS. LIKEWISE, CONCRETE SHALL NOT BE COVERED WITH EARTH PRIOR TO CITY OF LOS BANOS INSPECTION.
- CONCRETE DESIGN MIX SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL. ALL CONCRETE SHALL HAVE A 28-DAY MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI UNLESS OTHERWISE SPECIFIED.
- ALL STEEL PIPE AND FITTINGS SHALL BE FURNISHED WITH A SHOP APPLIED HIGH SOLIDS EPOXY COATING ON THE INTERIOR AND EXTERIOR, UNLESS OTHERWISE INDICATED. ALL OTHER EXPOSED STEEL SHALL BE PAINTED WITH A PRE-TREATMENT PRIMER, AN UNDERCOAT AND A FINAL COAT OF PAINT IN ACCORDANCE WITH PROJECT SPECIFICATIONS.
- ALL NUTS, BOLTS, AND WASHERS USED TO SECURE UNDERGROUND FITTINGS SHALL BE STAINLESS STEEL. AFTER INSTALLATION, ALL STEEL HARDWARE SHALL BE COATED WITH A RUST PREVENTATIVE, WRAPPED WITH 4 MIL POLYETHYLENE SHEETING, AND SECURE WITH PVC TAPE.
- THRUST RESTRAINTS TO BE PROVIDED AT ALL PIPELINE BENDS, WHETHER OR NOT SHOWN ON THE PLANS.
- ALL CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE HEALTH AND SAFETY LAWS OF THE STATE OF CALIFORNIA AND CAL/OSHA STANDARDS.
- TRENCH BACKFILL AND RESERVOIR EMBANKMENTS SHALL BE COMPACTED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS AND CITY OF LOS BANOS STANDARDS.
- CONTRACTOR WILL BE RESPONSIBLE FOR THE REPAIR OF ALL PIPELINE CRACKS, WHICH DEVELOP DURING CONSTRUCTION OF IMPROVEMENTS AFFECTING EXISTING FACILITIES.
- CONCRETE VAULTS AND BOXES MAY BE PURCHASED FROM A PRECAST MANUFACTURER OR CONTRACTOR MAY CONSTRUCT THE STRUCTURES IF STRUCTURAL CALCULATIONS AND DESIGN IS APPROVED BY THE CITY OF LOS BANOS AND THE ENGINEER.
- ALL EXCESS MATERIAL AND/OR DEBRIS SHALL BE REMOVED UPON COMPLETION OF INSTALLATION.
- THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING AND PRESERVING SURVEY MONUMENTS AND OTHER SURVEY MARKERS. ANY SURVEY MONUMENTS DAMAGED AS A DIRECT OR INDIRECT RESULT OF CONSTRUCTION ACTIVITIES SHALL BE RE-ESTABLISHED BY A DULY LICENSED LAND SURVEYOR AT THE CONTRACTORS SOLE EXPENSE. A CORNER RECORD SHALL BE FILED IN ACCORDANCE WITH STATE LAW FOR ANY RESET MONUMENTS AT THE CONTRACTORS SOLE EXPENSE.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE DUST CONTROL AT ALL TIMES.

TOPOGRAPHY NOTE

TOPOGRAPHY SHOWN HEREON WAS COLLECTED BY PROVOST AND PRITCHARD CONSULTING GROUP DURING A FIELD SURVEY CONDUCTED IN OCTOBER OF 2015.

BOUNDARY NOTE

THE BOUNDARY/EASEMENT INFORMATION SHOWN HEREON IS RECORD DATA TIED TO FOUND MONUMENTS.

SURVEYOR

SURVEYOR NAME: BRYAN BOWERS, PLS 8469
DATE OF SURVEY: 15 OCTOBER 2015

PROJECT BENCHMARK

POINT #101
A SET MAG NAIL IN THE TOP OF CURB
ELEVATION = 125.30' LOCAL DATUM

TEMPORARY BENCHMARKS

- TBM #102**
A FOUND 3/4" IRON PIPE IN MON. WELL WITH PLASTIC CAP MARKED LS 4876
ELEVATION = 124.76'
- TBM #103**
A FOUND 3/4" IRON PIPE IN MON. WELL WITH PLASTIC CAP MARKED LS 4876
ELEVATION = 124.09'
- TBM #104**
A FOUND 3/4" IRON PIPE IN MON. WELL WITH PLASTIC CAP MARKED LS 4876
ELEVATION = 123.50'

PROJECT SURVEY PARAMETERS

BASE & MERIDIAN	: MOUNT DIABLO
DATUM	: LOCAL
COORDINATE TYPE	: GROUND, US
SURVEY FT	
COORDINATE SYSTEM	: LOCAL
BENCH MARK	: POINT # 101
VERTICAL DATUM	: LOCAL
BENCH MARK EPOCH	: N/A
APPLIED SCALE FACTOR	: .99999936112
APPLIED TRUNCATION	: N=-1840000.0'
APPLIED ORION.0	
APPLIED GEIOD MODEL	: G12
NOTES	: BASIS OF COORDINATES/ROTATION

SHEET INDEX

SHEET NO.	DESCRIPTION
CIVIL	
C-1	COVER SHEET
C-2	SEWER LIFT STATION TOPOGRAPHY
C-3	DEMOLITION PLAN
C-4	SITE AND GRADING PLAN
C-5	SECTIONS
C-6	DETAILS
C-7	DETAILS
C-8	DETAILS
ELECTRICAL	
E-0	NOTES AND LEGEND
E-1	PLOT PLAN & ELEVATION
E-2	ELECTRICAL DETAILS

BID SET
01/26/2016

NO.	REVISION	BY	DATE



JO-LIN SEWER LIFT STATION
REHABILITATION
CITY OF LOS BANOS
MERCED COUNTY
CIVIL
COVER SHEET

PROVOST & PRITCHARD
CONSULTING GROUP
An Employee Owned Company
288 WEST CROMWELL AVENUE
FRESNO, CALIFORNIA 93711-6102
559/449-2100 FAX 559/449-2715
www.ppcg.com

DESIGN ENGINEER:
CHUCK ARMSTRONG
LICENSE NO:
DAVID MCGLOSSON CE 38482
DRAFTED BY: JMG
CHECKED BY: DMC
DATE: 01/26/2016
JOB NO: 350115002
PROJECT NO:
PHASE:
0 1"
ONE INCH ADJUST SCALE FOR REDUCED OR ENLARGED PLANS.
SHEET **C-1**
1 OF 11



Know what's below.
Call before you dig.

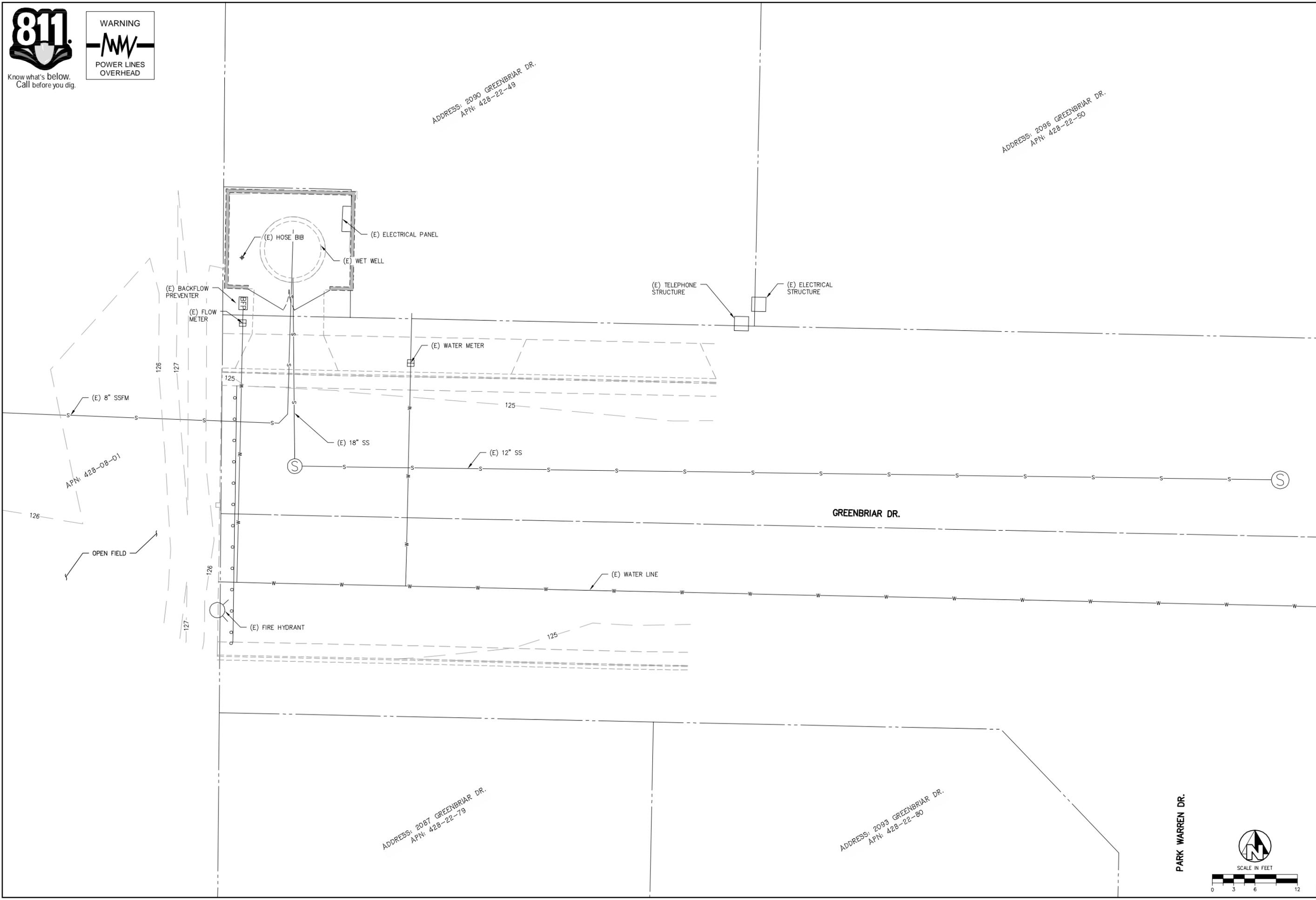


ADDRESS: 2090 GREENBRIAR DR.
APN: 428-22-49

ADDRESS: 2096 GREENBRIAR DR.
APN: 428-22-50

ADDRESS: 2087 GREENBRIAR DR.
APN: 428-22-79

ADDRESS: 2093 GREENBRIAR DR.
APN: 428-22-80



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NO.	REVISION	BY	DATE
	BID SET		
	01/26/2016		

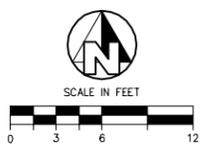


JO-LIN SEWER LIFT STATION
REHABILITATION
CITY OF LOS BANOS
MERCED COUNTY
CIVIL

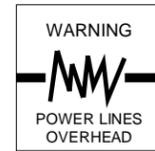
SEWER LIFT STATION TOPOGRAPHY

EST. 1958
PROVOST & PRITCHARD
CONSULTING GROUP
An Employee Owned Company
286 WEST CROMWELL AVENUE
FRESNO, CALIFORNIA 93711-6122
559/449-2100 FAX 559/449-2715
www.ppgcg.com

DESIGN ENGINEER: CHUCK ARMSTRONG	
LICENSE NO: DAVID MCGLASSON CE 38482	
DRAFTED BY: JMG	CHECKED BY: DMC
DATE: 01/26/2016	
JOB NO: 350115002	
PROJECT NO:	
PHASE:	
ORIGINAL SCALE SHOWN IS ONE INCH. ADJUST SCALE FOR REDUCED OR ENLARGED PLANS.	
SHEET C-2	
2	OF 11



1/28/2016 10:27 AM G:\Los Banos_City of Los Banos_City of 350115002-06-Lin Sewer Lift Station Rehabilitation\DWG\SHEET\C-2 Sewer Lift Station Topography & Demolition PLAN.dwg - John Gudino



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BID SET 01/26/2016	REVISION	BY	DATE
	No.		



JO-LIN SEWER LIFT STATION
REHABILITATION
CITY OF LOS BANOS
MERCED COUNTY
CIVIL

DATE SIGNED: 01/26/2016

PROVOST & PRITCHARD
CONSULTING GROUP
An Employee Owned Company
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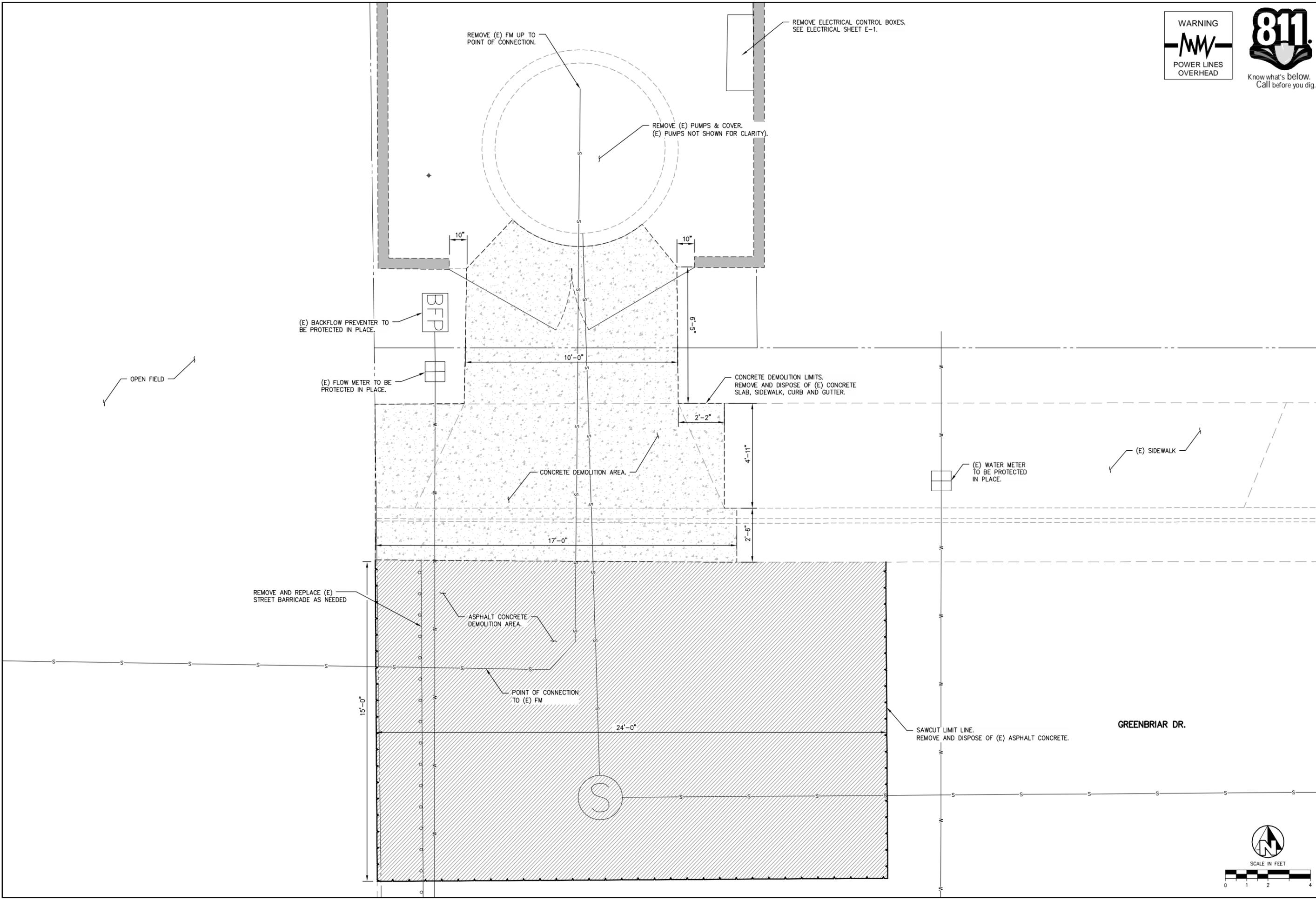
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JOB NO: 350115002

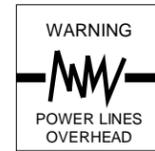
PROJECT NO:
PHASE:

SCALE IN FEET
0 1 2 4

ORIGINAL SCALE SHOWN IS ONE INCH. ADJUST SCALE FOR REDUCED OR ENLARGED PLANS.

SHEET **C-3**
3 OF 11





Know what's below.
Call before you dig.

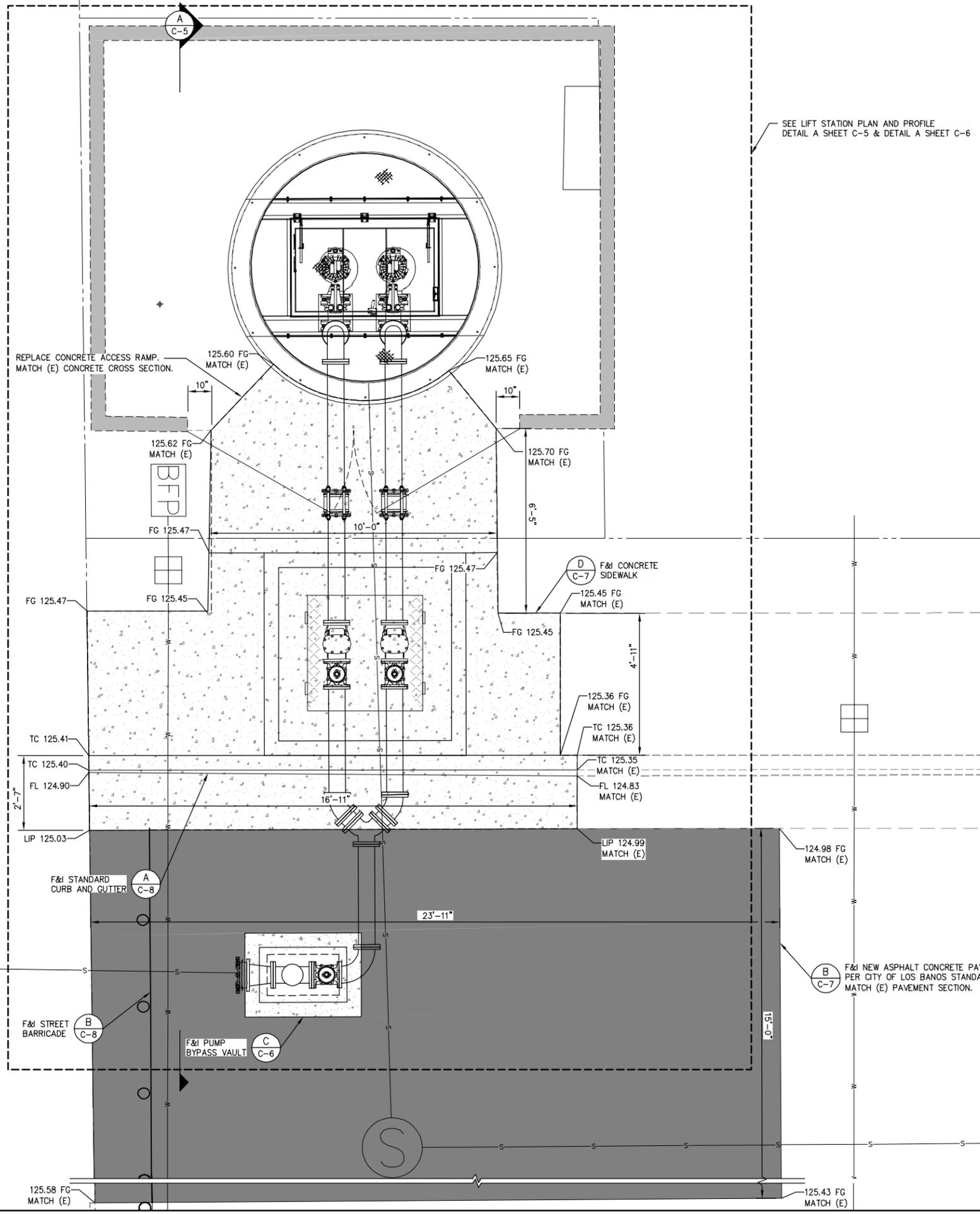
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	No.		

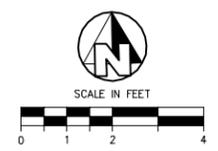


JO-LIN SEWER LIFT STATION
REHABILITATION
CITY OF LOS BANOS
MERCED COUNTY
CIVIL

EST. 1952	PROVOST & PRITCHARD	CONSULTING GROUP
An Employee Owned Company 286 WEST CROMWELL AVENUE FRESNO, CALIFORNIA 93711-6102 559/449-2100 559/449-2715 www.ppeag.com		
DESIGN ENGINEER:	CHUCK ARMSTRONG	
LICENSE NO.:	DAVID MCLAUGHLIN CE 38482	
DRAFTED BY:	JMG	CHECKED BY: DMC
DATE:	01/26/2016	
JOB NO.:	350115002	
PROJECT NO.:		
PHASE:		
ORIGINAL SCALE SHOWN IS ONE INCH. ADJUST SCALE FOR REDUCED OR ENLARGED PLANS.		
SHEET	C-4	
	4	OF 11



GREENBRIAR DR.



OPEN FIELD

(E) SIDEWALK

SEE LIFT STATION PLAN AND PROFILE
DETAIL A SHEET C-5 & DETAIL A SHEET C-6

REPLACE CONCRETE ACCESS RAMP.
MATCH (E) CONCRETE CROSS SECTION.

BFD

FG 125.47

TC 125.41

TC 125.40

FL 124.90

LIP 125.03

F&I STANDARD CURB AND GUTTER

F&I STREET BARRICADE

125.58 FG MATCH (E)

125.60 FG MATCH (E)

125.62 FG MATCH (E)

FG 125.47

FG 125.45

TC 125.41

TC 125.40

FL 124.90

LIP 125.03

F&I STANDARD CURB AND GUTTER

F&I STREET BARRICADE

125.58 FG MATCH (E)

125.65 FG MATCH (E)

125.70 FG MATCH (E)

FG 125.47

FG 125.45

TC 125.36

TC 125.35

FL 124.83

LIP 124.99

F&I CONCRETE SIDEWALK

F&I PUMP BYPASS VAULT

125.43 FG MATCH (E)

F&I CONCRETE SIDEWALK

125.45 FG MATCH (E)

125.36 FG MATCH (E)

TC 125.36

TC 125.35

FL 124.83

LIP 124.99

F&I CONCRETE SIDEWALK

F&I PUMP BYPASS VAULT

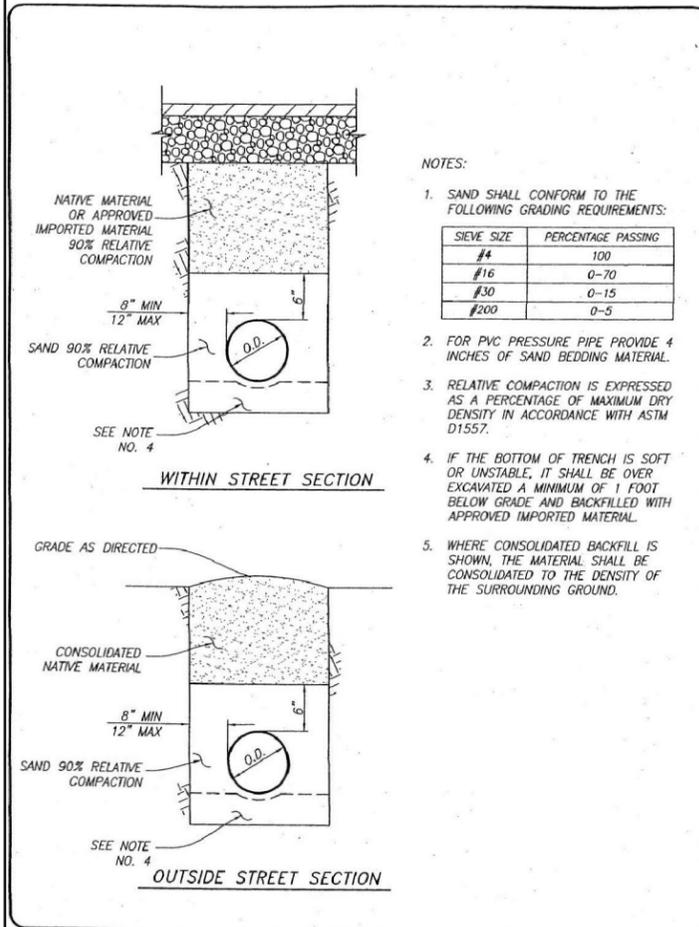
125.43 FG MATCH (E)

124.98 FG MATCH (E)

F&I NEW ASPHALT CONCRETE PAVEMENT SECTION PER CITY OF LOS BANOS STANDARD PLAN BF-3. MATCH (E) PAVEMENT SECTION.

125.43 FG MATCH (E)

1/28/2016 10:31 AM G:\Los Banos_City of Los Banos\350115002-46-Lin Sewer Lift Station Rehabilitation\DWG\SHEET\C-4 SITE AND GRADING PLAN.dwg -John Gudino

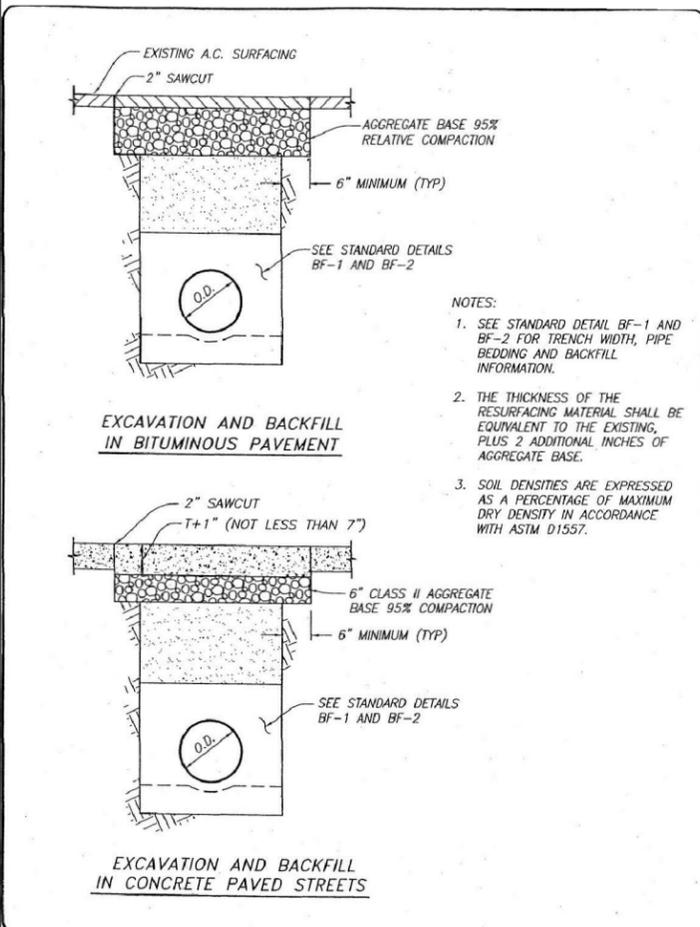


DATE APPROVED: 10-06-04
 APPROVED BY: [Signature]
 DRAWN: D. MORENO DATE: 03/26/04

BACKFILL AND BEDDING
 RIGID WALLED PIPE BACKFILL
 CITY OF LOS BANOS

STANDARD DETAIL
 BF-2

A SCALE: NTS
 CITY OF LOS BANOS
 STANDARD PLAN BF-2

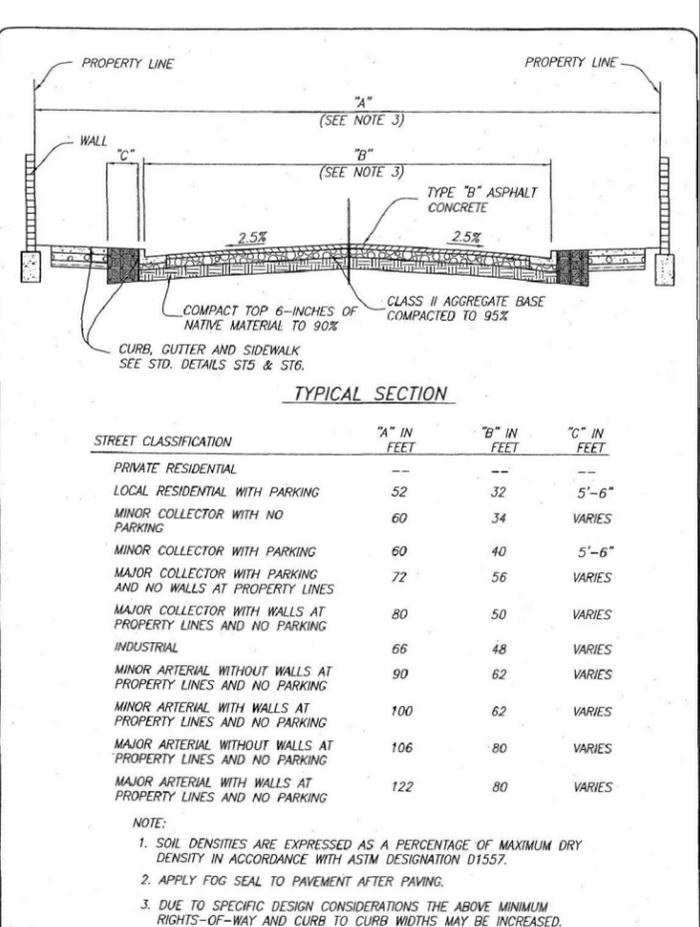


DATE APPROVED: 10-06-04
 APPROVED BY: [Signature]
 DRAWN: D. MORENO DATE: 03/26/04

BACKFILL AND BEDDING
 EXCAVATION AND BACKFILL IN EXISTING STREETS
 CITY OF LOS BANOS

STANDARD DETAIL
 BF-3

B SCALE: NTS
 CITY OF LOS BANOS
 STANDARD PLAN BF-3

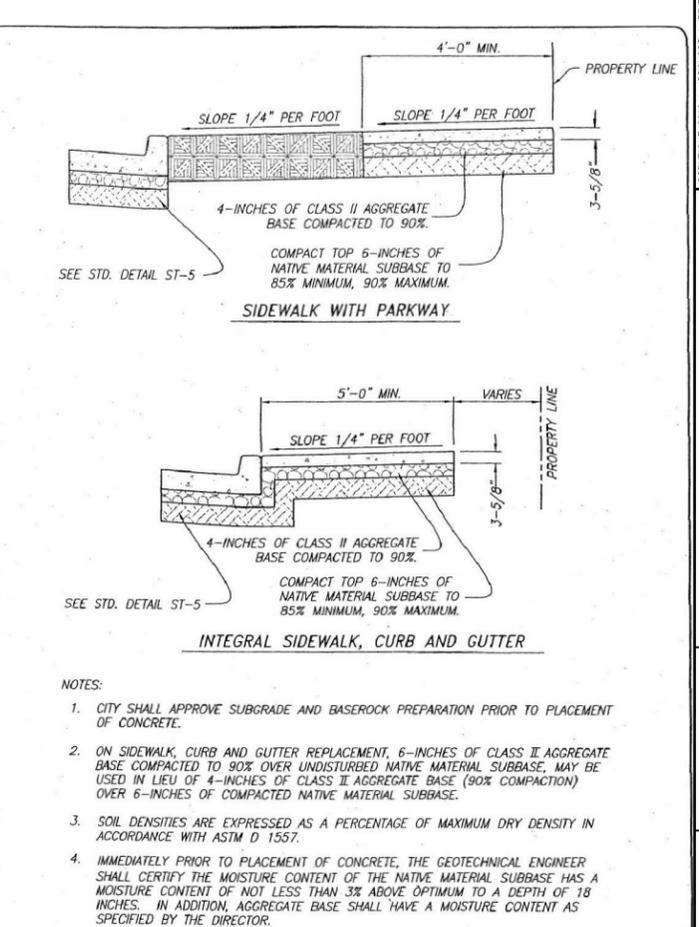


DATE APPROVED: 10-06-04
 APPROVED BY: [Signature]
 DRAWN: D. MORENO DATE: 02/25/04

STREET IMPROVEMENTS
 TYPICAL STREET SECTION
 CITY OF LOS BANOS

STANDARD DETAIL
 ST-1

C SCALE: NTS
 CITY OF LOS BANOS
 STANDARD PLAN ST-1

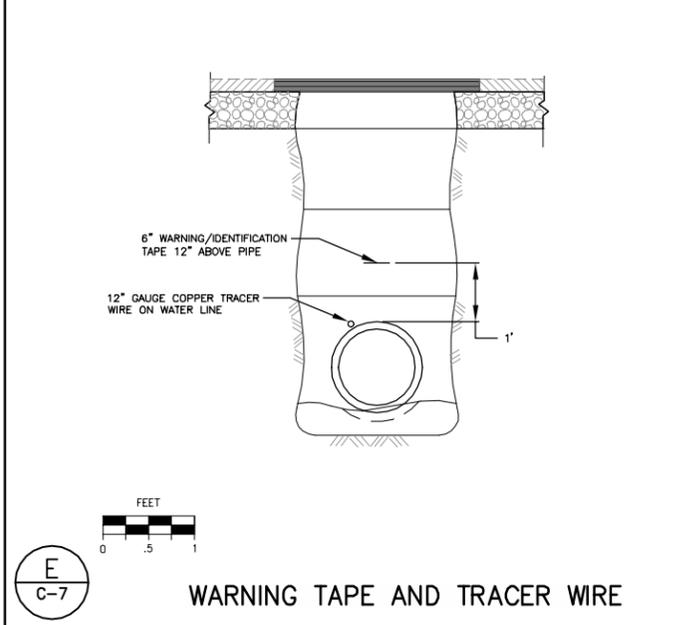


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 APPROVED BY: [Signature]
 DRAWN: D. MORENO DATE: 02/25/04

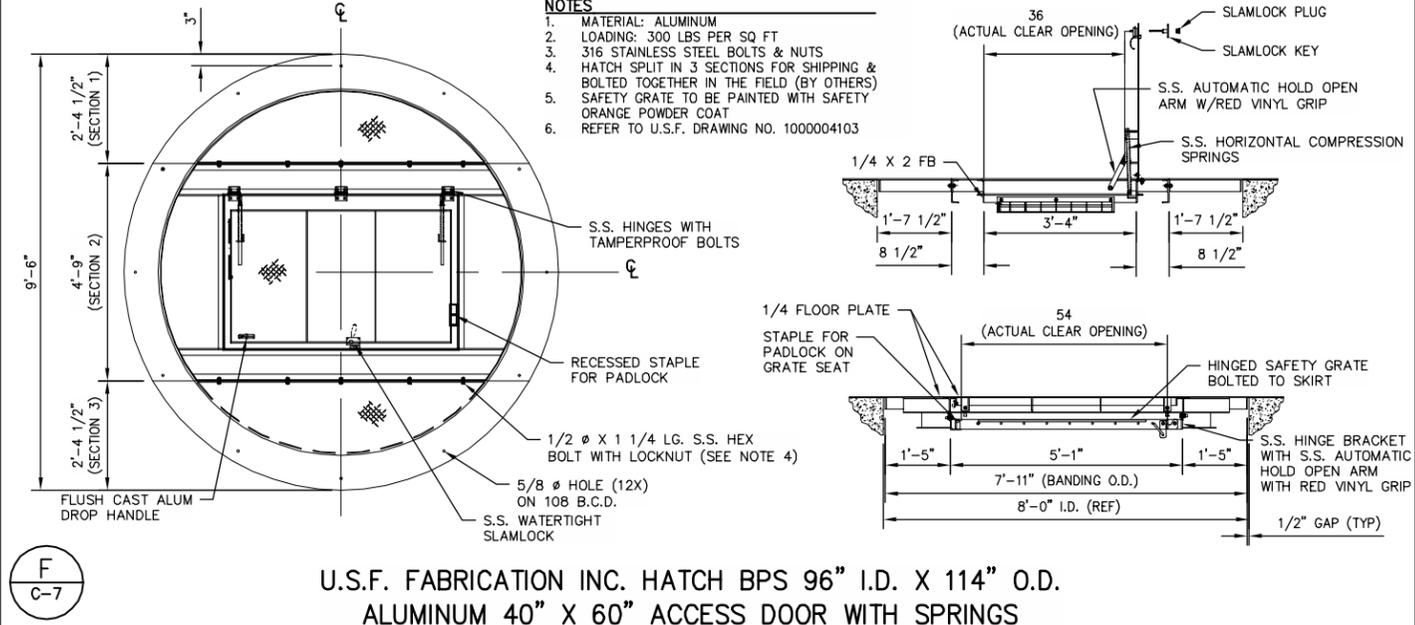
STREET IMPROVEMENTS
 SIDEWALK CURB & GUTTER SECTION
 CITY OF LOS BANOS

STANDARD DETAIL
 ST-6

D SCALE: NTS
 CITY OF LOS BANOS
 STANDARD PLAN ST-6



E SCALE: NTS
 WARNING TAPE AND TRACER WIRE



F SCALE: NTS
 U.S.F. FABRICATION INC. HATCH BPS 96" I.D. X 114" O.D.
 ALUMINUM 40" X 60" ACCESS DOOR WITH SPRINGS

BID SET
 01/26/2016

PROFESSIONAL ENGINEER
 M. J. GONZALEZ
 No. 38482
 STATE OF CALIFORNIA

JO-LIN SEWER LIFT STATION
 REHABILITATION
 CITY OF LOS BANOS
 MERCED COUNTY
 CIVIL

DATE APPROVED: 01/26/2016
 DATE SIGNED: [Signature]

DESIGN ENGINEER:
 CHUCK ARMSTRONG
 LICENSE NO:
 DAVID MCGLOSSON CE 38482

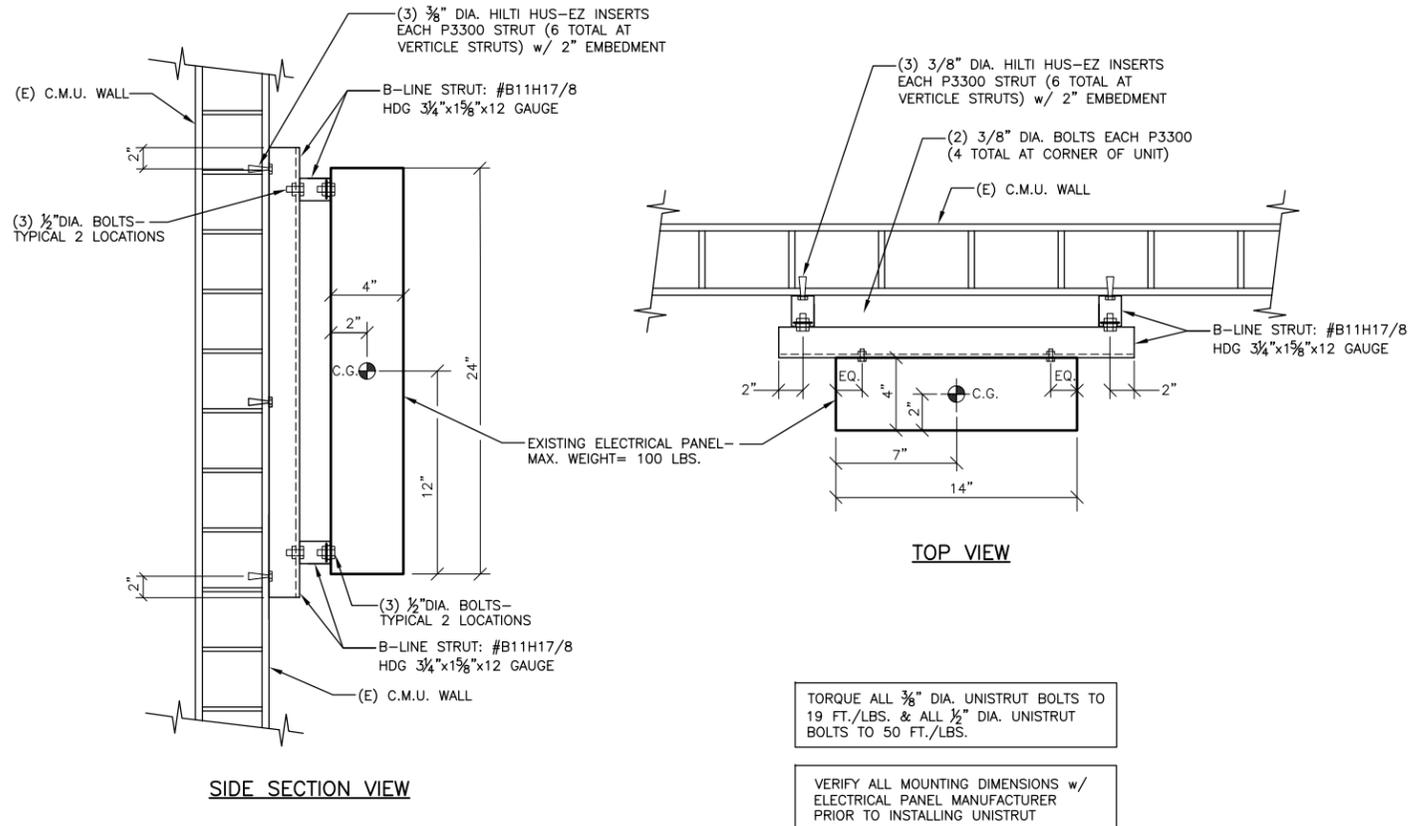
DRAFTED BY: JMG
 CHECKED BY: DMC

DATE: 01/26/2016
 JOB NO: 350115002

PHASE:

ORIGINAL SCALE SHOWN IS ONE INCH. ADJUST SCALE FOR REDUCED OR ENLARGED PLANS.

SHEET **C-7** OF 11



1 SURFACE PANEL INSTALLATION -TYPICAL
SCALE: N.T.S.

TORQUE ALL 3/8" DIA. UNISTRUT BOLTS TO 19 FT./LBS. & ALL 1/2" DIA. UNISTRUT BOLTS TO 50 FT./LBS.

VERIFY ALL MOUNTING DIMENSIONS w/ ELECTRICAL PANEL MANUFACTURER PRIOR TO INSTALLING UNISTRUT

ELECTRICAL COMPLIANCE NOTES

THE INTENT OF THE DRAWINGS AND SPECIFICATION IS TO CONSTRUCT THE PROPOSED BUILDING IN ACCORDANCE WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS. ALL WORK SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF TITLE 22, DIVISION 7, CHAPTER 7, CALIFORNIA CODE OF REGULATIONS AND TITLE 24 --- ALL APPLICABLE PARTS OF LATEST EFFECTIVE EDITIONS.

ALL WORK PERFORMED UNDER THIS CONTRACT SHALL CONFORM TO THE FOLLOWING CODES AND REGULATIONS AS APPLICABLE:

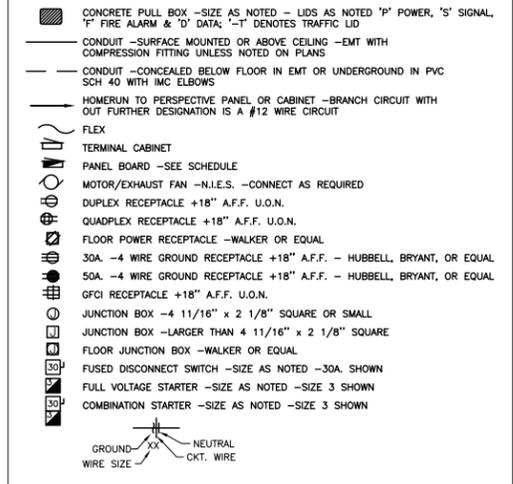
- 2013 CALIFORNIA ADMINISTRATIVE CODE (CAC)
- PART 1, TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR)
- 2013 CALIFORNIA BUILDING CODE (CBC)
- PART 2, TITLE 24, CCR
- BASED ON THE 2012 INTERNATIONAL BUILDING CODE (IBC)
- 2013 CALIFORNIA ELECTRICAL CODE (CEC)
- PART 3, TITLE 24, CCR
- BASED ON THE 2011 NATIONAL ELECTRICAL CODE (NEC)
- 2013 CALIFORNIA MECHANICAL CODE (CMC)
- PART 4, TITLE 24, CCR
- BASED ON THE 2012 UNIFORM MECHANICAL CODE (UMC)
- 2013 CALIFORNIA PLUMBING CODE (CPC)
- PART 5, TITLE 24, CCR
- BASED ON THE 2012 UNIFORM PLUMBING CODE (UPC)
- 2013 CALIFORNIA FIRE CODE (CFC)
- PART 9, TITLE 24, CCR
- BASED ON THE 2012 INTERNATIONAL FIRE CODE (IFC)

UNLESS OTHERWISE STATED, IT IS INTENDED THAT THE ABOVE CODES AND REGULATIONS REFER TO THE LATEST EDITION OR REVISION IN EFFECT ON THE DATE OF THE CONTRACT. NOTHING ON THIS DRAWING IS TO BE CONSTRUED AS REQUIRING OR PERMITTING WORK THAT IS CONTRARY TO THE ABOVE LISTED CODES AND REGULATIONS, OR OTHER LOCAL, STATE OR FEDERAL CODES OR REGULATIONS WHICH MAY BE APPLICABLE.

ELECTRICAL ABBREVIATIONS

Δ	DELTA CONNECTED	(F)	FUTURE	OC	ON CENTER
Y	WIRE CONNECTED	FA	FIRE ALARM	OH	OVERHEAD
0	PHASE	FACP	FIRE ALARM CONTROL PANEL	OL	THERMAL OVERLOAD RELAY
&	AND	FAT	FIRE ALARM TERMINAL CABINET	OT	OVER TEMPERATURE
⊙	AT	FXT	FIXTURE	OSHPD	OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT
⊖	FEET	FLA	FULL LOAD AMPS		
-	INCHES	FLEX	FLEXIBLE	PA	PUBLIC ADDRESS
A	AMPERES	FLUOR	FLUORESCENT	PB	PULL BOX
AC	ALTERNATING CURRENT	FS	FLOW SWITCH	PB	PANEL
ACT	ABOVE COUNTERTOP/BACKSPLASH	FOR	FORWARD-OFF-REVERSE	PH	PHASE
ADJ	ADJUSTABLE, ADJOINING	FT	FEET	PH	PHASE
AFD	ADJUSTABLE FREQUENCY DRIVE	GALV	GALVANIZED	PIR	PIR
AFF	ABOVE FINISHED FLOOR	GND	GROUND	PRI	PRIMARY
AL	ALUMINUM	GC	GENERAL CONTRACTOR	PS	PRESSURE SWITCH
APPROX	APPROXIMATE	HI	HIGH	PWR	POWER
ARCH	ARCHITECT	HOA	HAND-OFF-AUTO	(R)	REMOVE(D)
AUTO	AUTOMATIC	HOS	HAND-OFF-STANDBY	RA	REMOTE ANNUNCIATOR
AUX	AUXILIARY	HV	HIGH VOLTAGE	RD	ROAD
ALT	ALTERNATE	HVAC	HEATING, VENTILATION, AIR CONDITIONING	REQD	REQUIRED
AWG	AMERICAN WIRE GAUGE	IDF	INTERMEDIATE DISTRIBUTION FRAME	REQMTS	REQUIREMENTS
B	BARE	INCAN	INCANDESCENT	RM	ROOM
BC	BARE COPPER GROUND	IDC	INITIATING DEVICE CIRCUIT	RECP	RECEPTACLE
BBBD	BACKBOARD	IN	INCHES	RT	RAIN TIGHT
BRKR	BREAKER	INST	INSTANTANEOUS	SCH	SCHEDULE
BLDG	BUILDING	J	JUNCTION BOX	SEC	SECONDS, SECONDARY
C	CONDUIT OR CONTRACTOR	KV	KILOVOLTS	SHT	SHEET
CMB	CABINET	KVA	KILOVOLT AMPERES	SIG	SIGNAL
CATV	CABLE TELEVISION	KW	KILOWATTS	SPECS	SPECIFICATIONS
CKT	CIRCUIT	LB	POUNDS	SW	SWITCH
CLG	CEILING	LF	LINEAR FEET	SWD	SWITCHED
CO	CONDUIT ONLY	LOS	LOCKOUT-STOP	SP	SPARE
COMM	COMMUNICATION	LOH	LOCK-OFF-HALT	STD	STANDARD
CONC	CONCRETE	LV	LOW VOLTAGE	STR	STRANDED
CONN	CONNECT	M	MOTOR	SWBD	SWITCHBOARD
CONT	CONTINUATION OR CONTINUED	MAX	MAXIMUM	TELE	TELEPHONE
COORD	COORDINATE	MCA	MINIMUM CIRCUIT AMPS	TEMP	TEMPERATURE
CR	CONTROL RELAY	MCC	MOTOR CONTROL CENTER	TOA	TEST OFF AUTOMATIC
CT	CURRENT TRANSFORMER	MCM	THOUSAND CIRCULAR MILLS	TH	THERMOSTAT
COMP	COMPRESSOR	MCP	MOTOR CIRCUIT PROTECTOR	TRANSF	TRANSFORMER
CU	COPPER	MDF	MAIN DISTRIBUTION FRAME	TSP	TWISTED SHIELDED PAIR THROUGH
DC	DIRECT CURRENT	MECH	MECHANICAL	UG	UNDERGROUND
DET	DETAIL	MFG	MANUFACTURER	UNO	UNLESS NOTED OTHERWISE
DISC	DISCONNECT	MIN	MINIMUM	V	VOLTS
DIST	DISTRIBUTION	MPDE	MAIN POINT OF ENTRY	VA	VOLT AMP
DISA	DIVISION OF THE STATE ARCHITECT	MSB	MAIN SWITCHBOARD	VFD	VARIABLE FREQUENCY DRIVE
DWG	DRAWING	N	NEUTRAL	VM	VOLT METER
(E), EXIST	EXISTING	(N)	NEW	W	WIRE
EC	ELECTRICAL CONTRACTOR	NA	NON-AUTOMATIC	W/	WITH
EL	ELEVATION	NAC	NOTIFICATION APPLIANCE CIRCUIT	W/O	WITHOUT
EL	EMERGENCY LIGHT	NC	NORMALLY CLOSED	WP	WEATHERPROOF
ELECT	ELECTRICAL	NES	NOT IN ELECTRICAL SECTION	WHD	WATT HOUR DEMAND METER
EMS	ENERGY MANAGEMENT SYSTEM	NIC	NOT IN ELECTRICAL CODE	WM	WATT METER
EMT	ELECTRICAL METALLIC TUBING	NO, #	NUMBER	WH	WATER HEATER
EOL	END OF LINE	NO	NORMALLY OPEN	XFMR	TRANSFORMER
ENCL	ENCLOSURE	NL	NIGHT LIGHT	(XR)	REMOVE AND RELOCATE(D)
EP	EXPLOSION PROOF				
EQUIP	EQUIPMENT				
ETC	ET CETERA				
EVAP	EVAPORATOR				

GENERAL ELECTRICAL LEGEND



GENERAL SITE NOTES:

- LOCATE AND PRESERVE ALL UNDERGROUND UTILITIES. REPAIR ALL UTILITIES DAMAGED DURING CONSTRUCTION TO OWNER'S SATISFACTION.
- ERECT AND MAINTAIN ALL REQUIRED SAFETY BARRICADES PER CALIFORNIA STATE STANDARD SPECIFICATIONS - TITLE 8, TITLE 24 & OSHA REQUIREMENTS.
- SCHEDULE CONSTRUCTION WITH OWNER AND UTILITY COMPANY IN ADVANCE. SCHEDULE ALL ELECTRICAL OUTAGES WITH OWNER AND OBTAIN APPROVAL FOR THE SAME. INCLUDE ANY OVERTIME OR STANDBY GENERATORS AS REQUIRED IN THE BID.

GENERAL ELECTRICAL NOTES:

- PROVIDE ALL LABOR, MATERIALS, TOOLS, PLANT EQUIPMENT, TRANSPORTATION AND ALL PERFORM ALL OPERATIONS NECESSARY FOR THE PROPER EXECUTION AND COMPLETION OF ALL ELECTRICAL WORK REQUIRED FOR THE COMPLETE AND OPERATING SYSTEMS AS OUTLINED WITHIN THE SCOPE OF WORK.
- UNDERWRITERS LABORATORIES, INC., SHALL MEET THEIR REQUIREMENTS AND SHALL BEAR THEIR LABEL WHEREVER STANDARDS HAVE BEEN ESTABLISHED AND LABEL SERVICE IS REGULARLY FURNISHED BY THAT AGENCY.
- THE SIZE AND LOCATIONS OF EQUIPMENT ARE SHOWN TO SCALE WHEREVER POSSIBLE, CONTRACTOR SHALL MAKE USE OF ALL DATA IN ALL CONTRACT DOCUMENTS AND VERIFY THIS INFORMATION AT THE SITE.
- CONDUCTORS SHALL BE COPPER CONDUCTORS TYPE AS NOTED ON CONSTRUCTION DOCUMENTS.
- ALL WORK TO BE IN ACCORDANCE WITH REQUIREMENTS OF GOVERNING LOCAL FIRE CODES AND BUILDING CODES.
- WHERE EXISTING CONSTRUCTION IS CUT, DAMAGED, OR REMODELED, PATCH WITH MATERIALS TO MATCH IN KIND, QUALITY, AND PERFORMANCE.
- CONTRACTOR SHALL ASSUME SOLE RESPONSIBILITY FOR SAFETY OF ALL PERSONS ON OR ABOUT THE CONSTRUCTION SITE, IN ACCORDANCE WITH APPLICABLE LAWS AND CODES. GUARD ALL HAZARDS IN ACCORDANCE WITH THE SAFETY PROVISIONS OF THE LATEST MANUAL OF ACCIDENT PREVENTION PUBLISHED BY THE ASSOCIATED GENERAL CONTRACTORS OF AMERICA.
- CLEAN ALL EXPOSED SURFACES AND NEW EQUIPMENT AFTER COMPLETION.
- ALL UNDERGROUND CONDUIT SHALL BE TYPE PVC SCH. 40 CONDUIT UNLESS OTHERWISE NOTED.

GENERAL ELECTRICAL NOTES & ABBREVIATIONS

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PHONE (415) 626-8600

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BID SET
01/26/2016

REVISION
BY
DATE

REGISTERED PROFESSIONAL ENGINEER
KEVIN L. PEZZONI
NO. 16289
EXPIRES 12/31/2018
ELECTRICAL
STATE OF CALIFORNIA

JO-LIN SEWER LIFT STATION
REHABILITATION
CITY OF LOS BANOS
MERCED COUNTY
ELECTRICAL PLANS
NOTES AND LEGEND

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KLP
LICENSE NO:
16289

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CHECKED BY:
KLP

DATE: 01/28/2016

JOB NO: 350115002

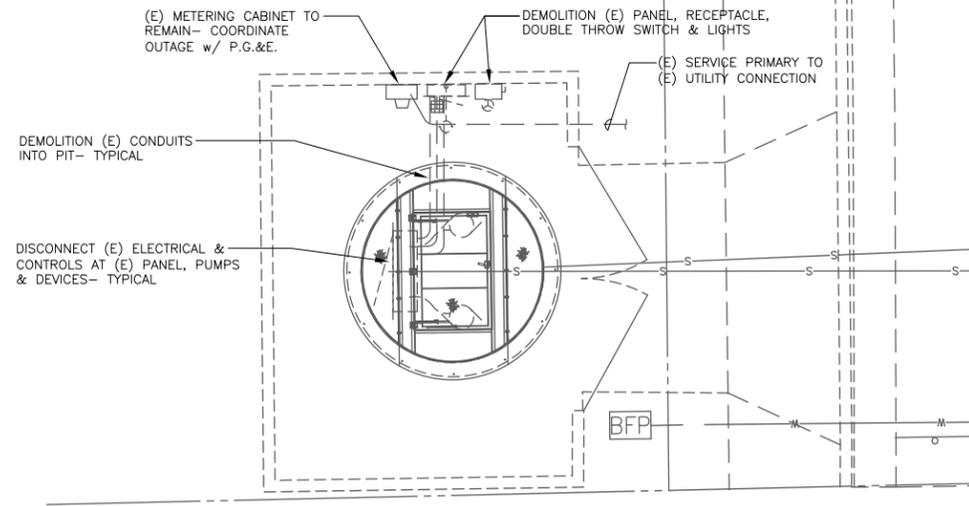
PROJECT NO: 15-490

PHASE: 1

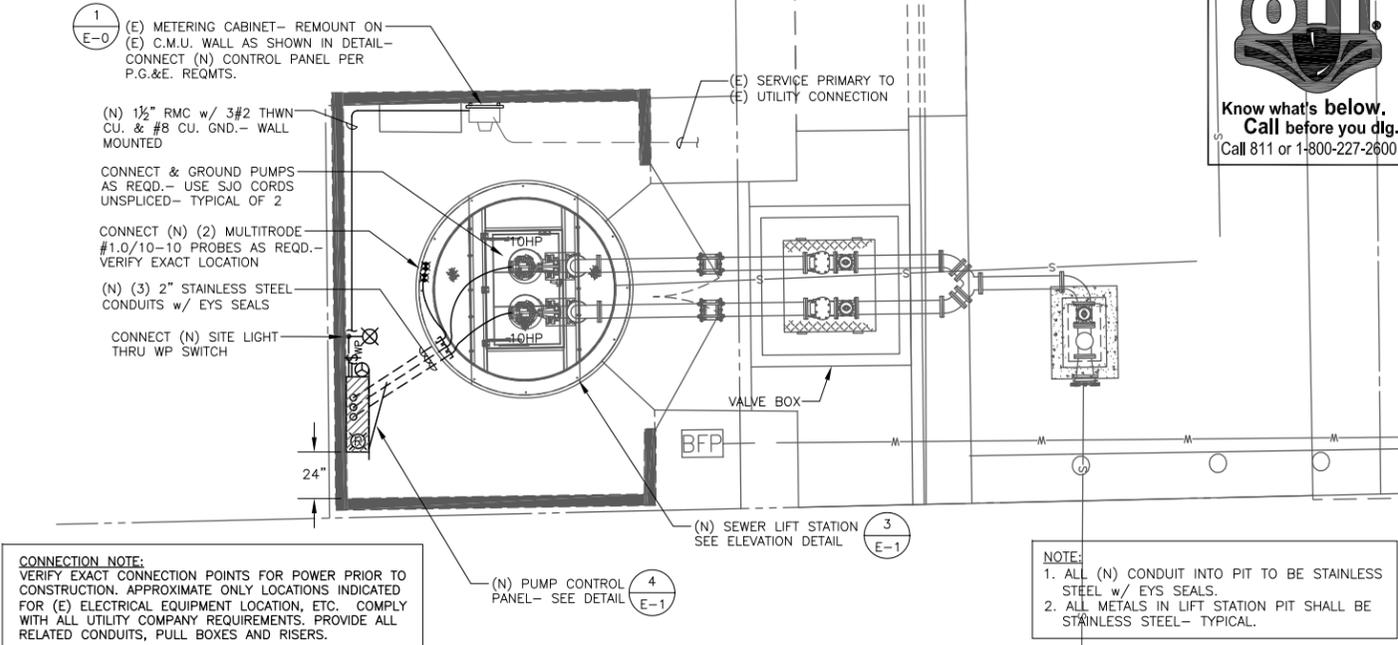
0" 1" 2"
ORIGINAL SCALE SHOWN IS
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REDUCED OR ENLARGED PLANS.

SHEET E-0

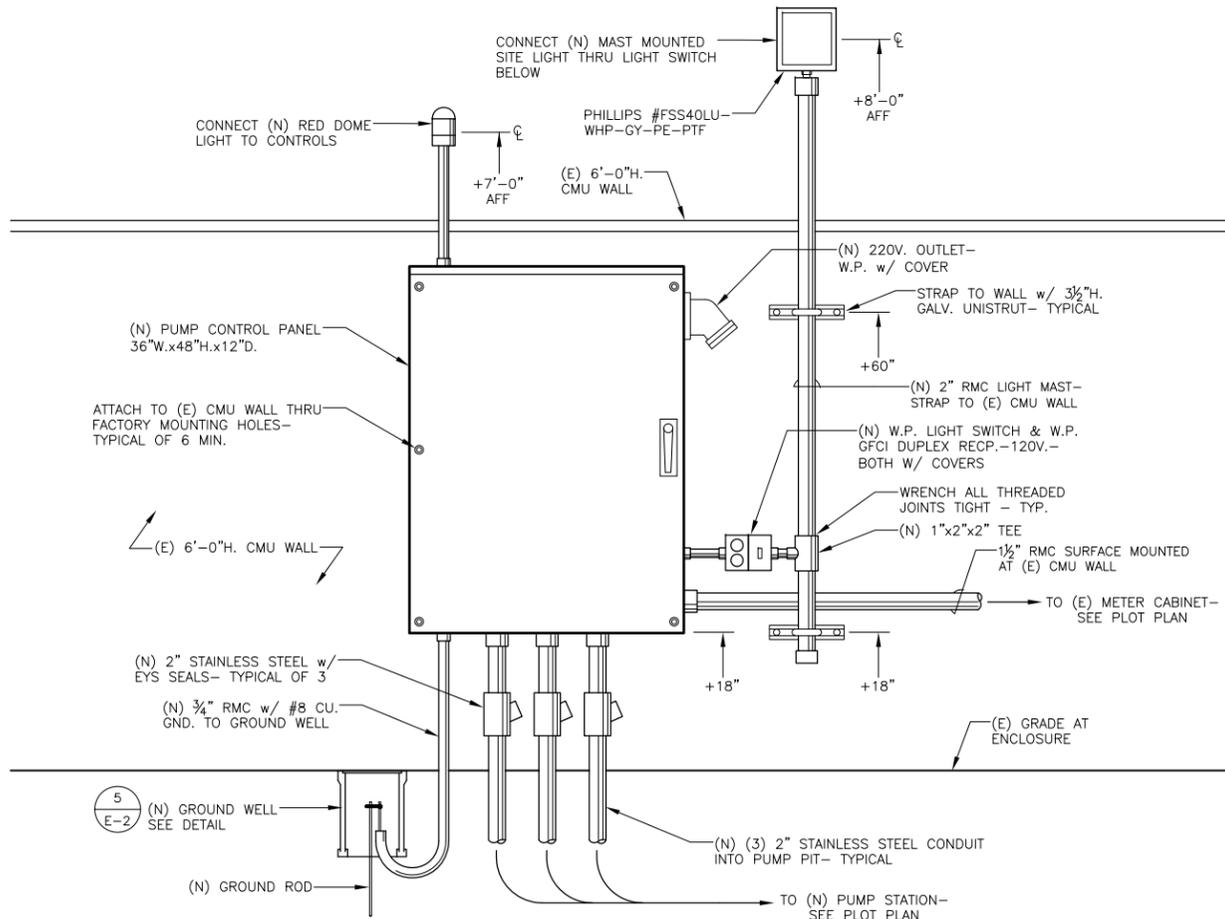
8 OF 11



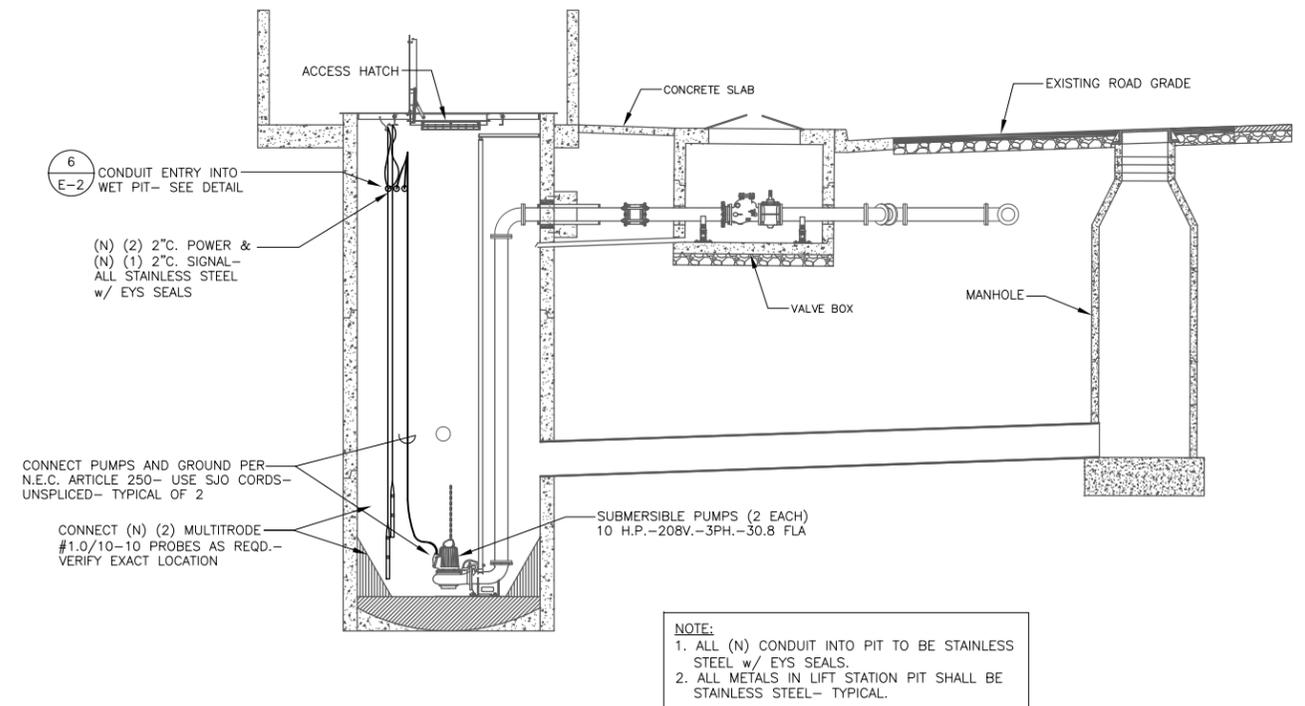
1 DEMOLITION PLOT PLAN - LIFT STATION
SCALE: 1/4"=1'-0"



2 ELECTRICAL PLOT PLAN - LIFT STATION
SCALE: 1/4"=1'-0"



4 ELEVATION - NEW ELECTRICAL EQUIPMENT
SCALE: 1"=1'-0"



3 ELECTRICAL ELEVATION - LIFT STATION
SCALE: 1/4"=1'-0"



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16269

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CAL CHECKED BY:
KLP

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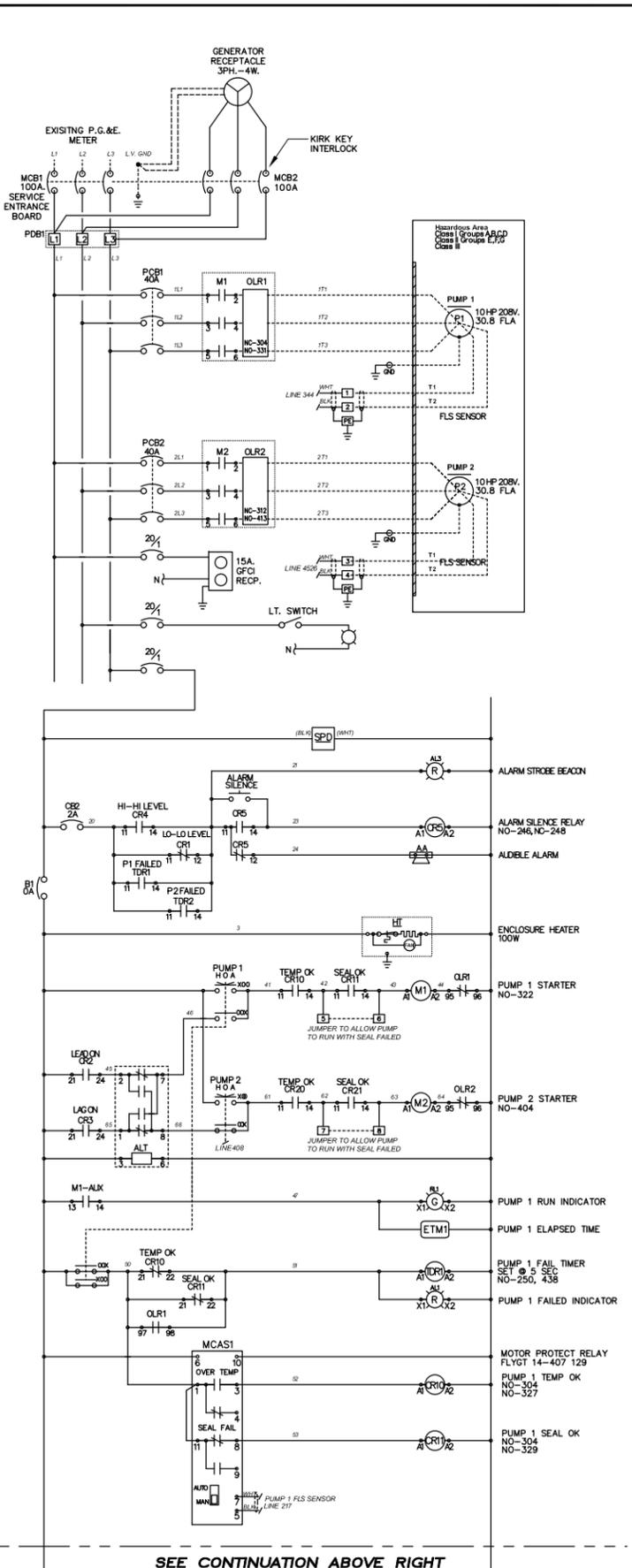
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PROJECT NO: **15-490**

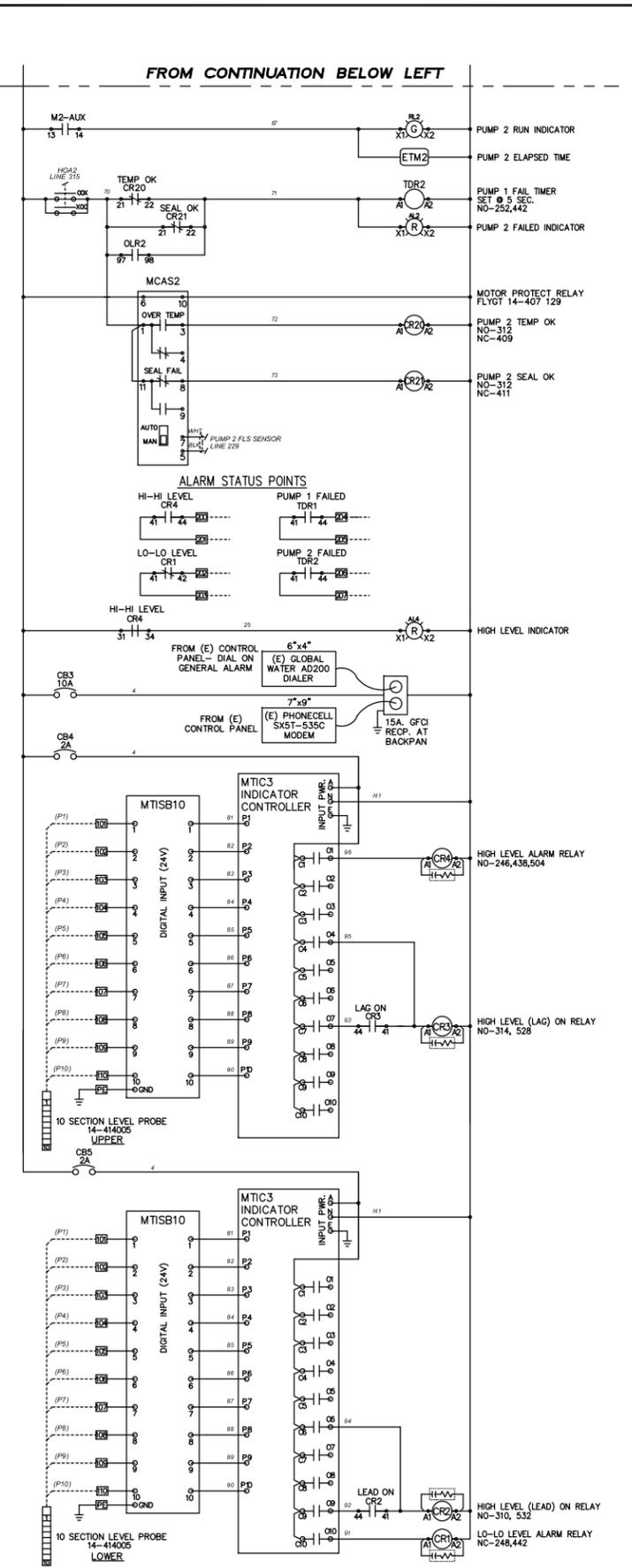
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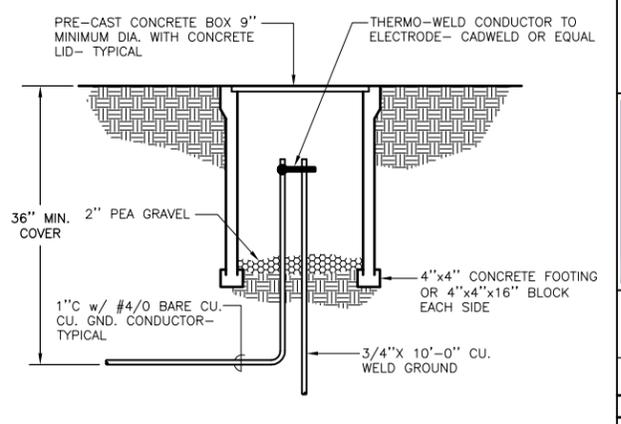
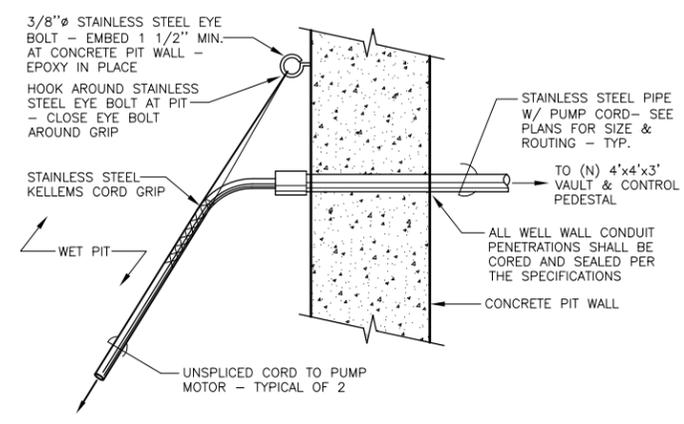
SHEET **E-1**
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2 DUPLEX PUMP PARTIAL SINGLE LINE DIAGRAM
SCALE: N.T.S.

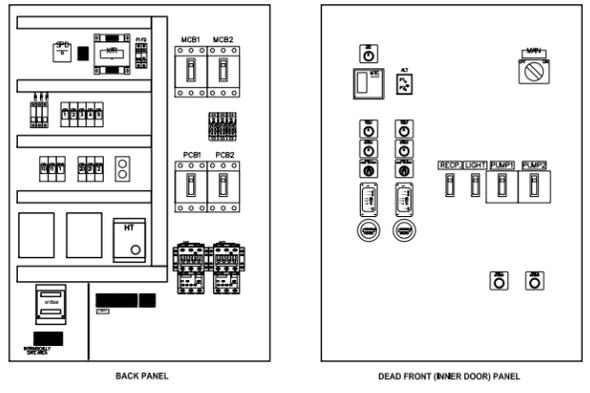


6 CONDUIT PENETRATION AT PUMP PIT
SCALE: NONE



5 GROUNDING ELECTRODE
SCALE: N.T.S.

1 DUPLEX PUMP CONTROL PANEL
SCALE: N.T.S.



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SHEET E-2

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