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CITY OF LOS BANOS MERCED COUNTY

ORCHARD TERRACE SEWER LIFT STATION REHABILITATION

TOPOGRAPHY NOTE
TOPOGRAPHY SHOWN WAS COLLECTED BY PROVOST & PRITCHARD CONSULTING GROUP DURING A FIELD SURVEY CONDUCTED IN JANUARY OF 2025.

BOUNDARY NOTE
THE BOUNDARY/EASEMENT INFORMATION SHOWN ON THESE PLANS IS BASED UPON RECORD INFORMATION TIED TO PHYSICAL MONUMENTS, AND WAS PREPARED UNDER THE DIRECTION OF BRYAN W. BOWERS, PLS 8469

BOUNDARY NOTE
PROJECT BENCHMARK
FD CUT IN CURB ON NORTH SIDE OF WILMOT AVENUE
ELEVATION = 112.50' NAVD88

CONTROL TABLE CCS ZONE 3(NAD83) STATE PLANE COORDINATES (USFT) VERT. DATUM=NAVD88				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
101	1847865.70	6458525.56	112.50	FD CUT
102	1847843.97	6458564.64	113.23	FD MAG NAIL
103	1847820.62	6458579.19	112.76	FD CUT
104	1847866.49	6458399.77	112.02	FD CUT

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.

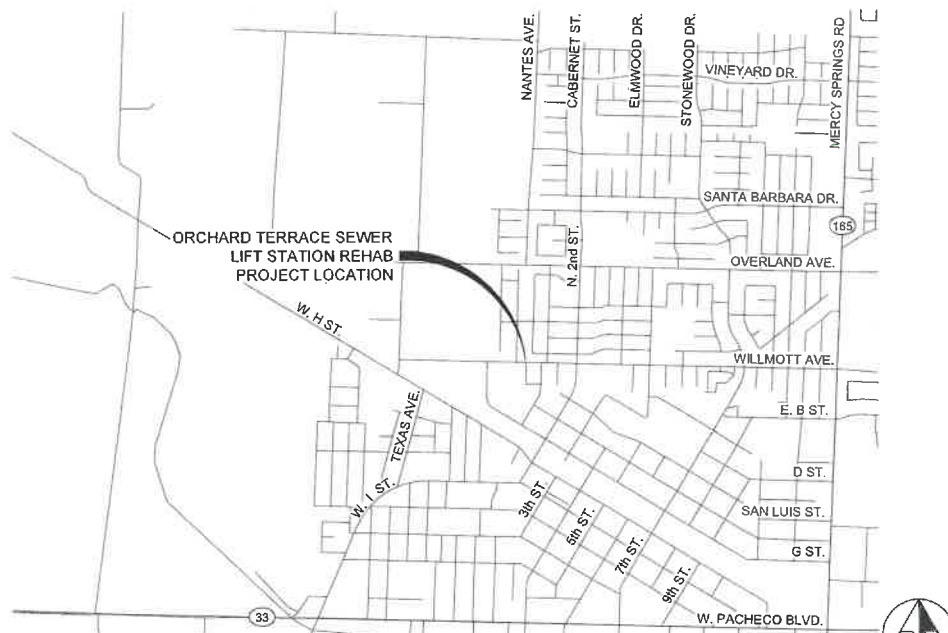
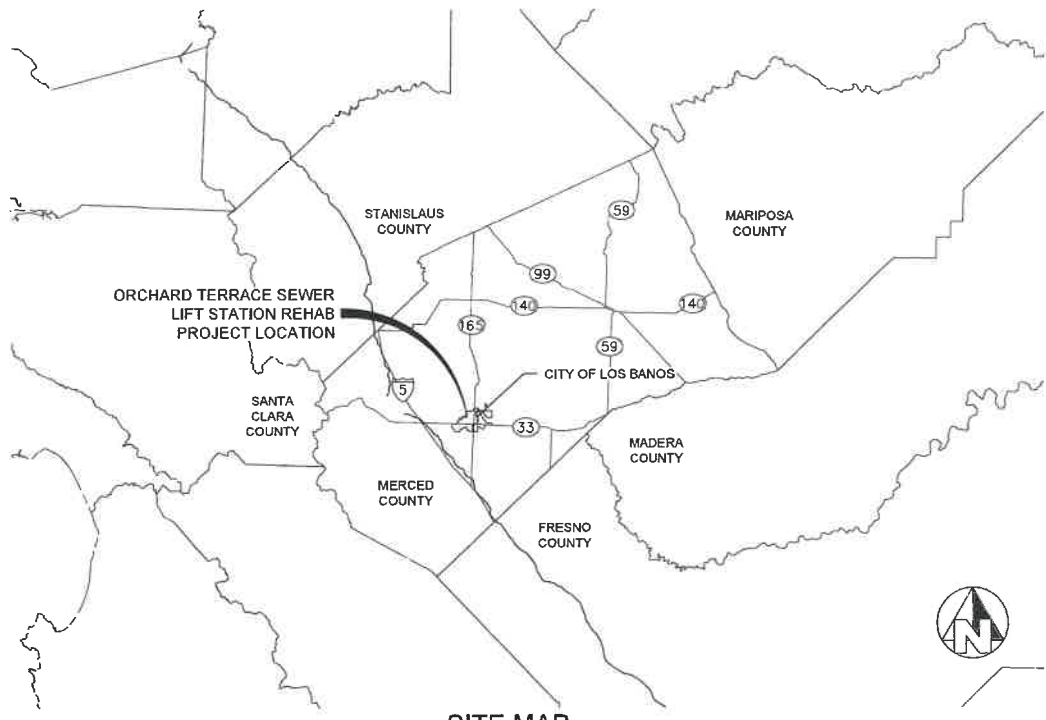
THE CONTRACTOR SHALL HAVE AT THE WORK SITE, COPIES OR SUITABLE EXTRACTS OF CONSTRUCTION SAFETY ORDERS, ISSUED BY CAL-OSHA. CONTRACTOR SHALL COMPLY WITH PROVISIONS OF THESE AND ALL OTHER APPLICABLE LAWS, ORDINANCES AND REGULATIONS. THE CONTRACTOR MUST COMPLY WITH PROVISIONS OF THE SAFETY AND HEALTH REGULATIONS 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.



- ### GENERAL NOTES
- CITY OF LOS BANOS (209-827-7056) SHALL BE CONTACTED AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF WORK ON OR NEAR 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 STANDARDS & 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.
 - CITY OF LOS BANOS SHALL INSPECT ALL WORK PHASES ON CONCRETE FACILITIES FOR CONFORMANCE TO PROJECT SPECIFICATIONS AND CITY OF LOS BANOS SPECIFICATIONS. REINFORCING SHALL NOT BE ENCASED IN CONCRETE WITHOUT PRIOR CITY OF LOS BANOS INSPECTIONS. 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 8 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 SHALL BE COMPACTED IN ACCORDANCE WITH THE 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.

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Sheet Number	Sheet Title
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C2	TOPOGRAPHY AND DEMOLITION PLAN
C3	LIFT STATION SITE PLAN AND HORIZONTAL CONTROL
C4	LIFT STATION SITE GRADING PLAN
C5	LIFT STATION PLAN PROFILE AND MECHANICAL LAYOUT
C6	DETAILS
C7	DETAILS
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ELECTRICAL PLANS	
E000	LEGEND AND ABBREVIATIONS
E001	SYMBOLS
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E200	SITE PLAN OVERVIEW
E201	SITE PLAN
E300	ELECTRICAL SCHEDULES
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E401	DETAILS
E500	NETWORK DIAGRAM
E600	P&ID

APPROVALS

CHARLES BENSON, P.E. PUBLIC WORKS DIRECTOR/ CITY ENGINEER
DATE

CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM THE CITY OF LOS BANOS AND THE STATE OF CALIFORNIA. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM THE CITY OF LOS BANOS AND THE STATE OF CALIFORNIA. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM THE CITY OF LOS BANOS AND THE STATE OF CALIFORNIA.

BID SET
05/02/2025

DATE SIGNED: 5/2/2025

ORCHARD TERRACE SEWER LIFT STATION
REHABILITATION
CITY OF LOS BANOS
MERCED COUNTY
CONSTRUCTION PLANS

COVER

PROVOST & PRITCHARD
246 W. PACHECO BLVD., SUITE 100
LOS BANOS, CA 93801
PHONE (209) 827-1675
FAX (209) 827-1675
www.provostandpritchard.com

DESIGN ENGINEER:
STEVE SPENCER
LICENSE NO.
CE 54834

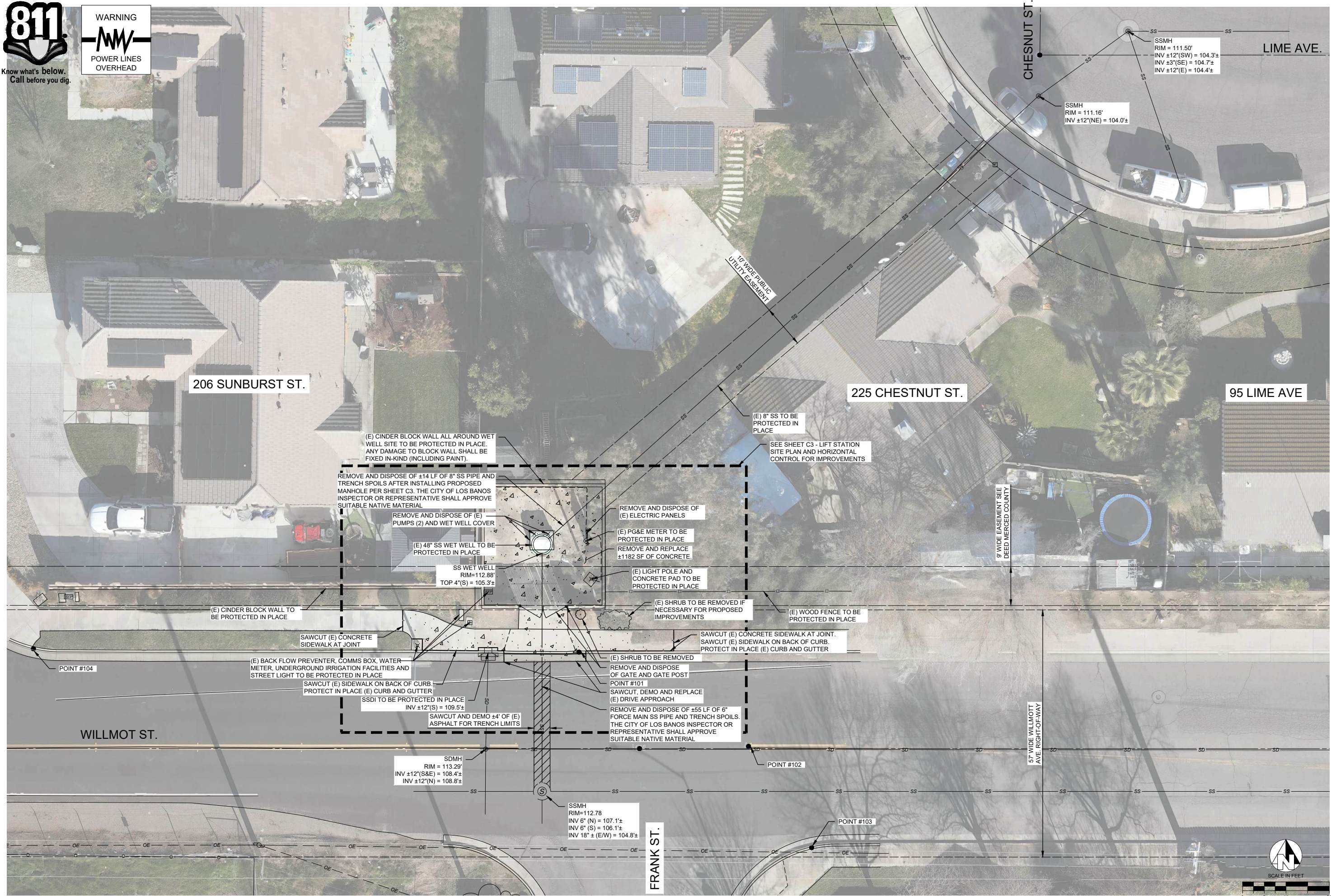
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DATE: 05/02/2025
JOB NO: 350124010
PROJECT NO: 350124010
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ORIGINAL SCALE SHOWN IS ONE INCH. ADJUST SCALE FOR REDUCED OR ENLARGED PLANS.
SHEET
C1
1 OF 18

5/2/2025 1:44 PM C:\Los Banos\City of Los Banos\24010-Orchard Terrace Sewer Lift Station Construction Plans\Sheet Cover.dwg - Dylan Matilla



Know what's below.
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WARNING
POWER LINES
OVERHEAD



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05/02/2025



ORCHARD TERRACE SEWER LIFT STATION
REHABILITATION
CITY OF LOS BANOS
MERCED COUNTY
CONSTRUCTION PLANS

PROVOST & PRITCHARD
248 W. PACIFIC BLVD., SUITE B
LOS BANOS, CALIFORNIA 93635
TEL: (209) 825-1975
FAX: (209) 825-1975
WWW.PROVOSTANDPRITCHARD.COM

DESIGN ENGINEER:
STEVE SPENCER
LICENSE NO.:
CE 54634

DRAFTED BY:
LAJ

CHECKED BY:
JMG

DATE: 05/02/2025

JOB NO: 350124010

PROJECT NO: 350124010

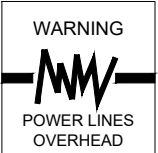
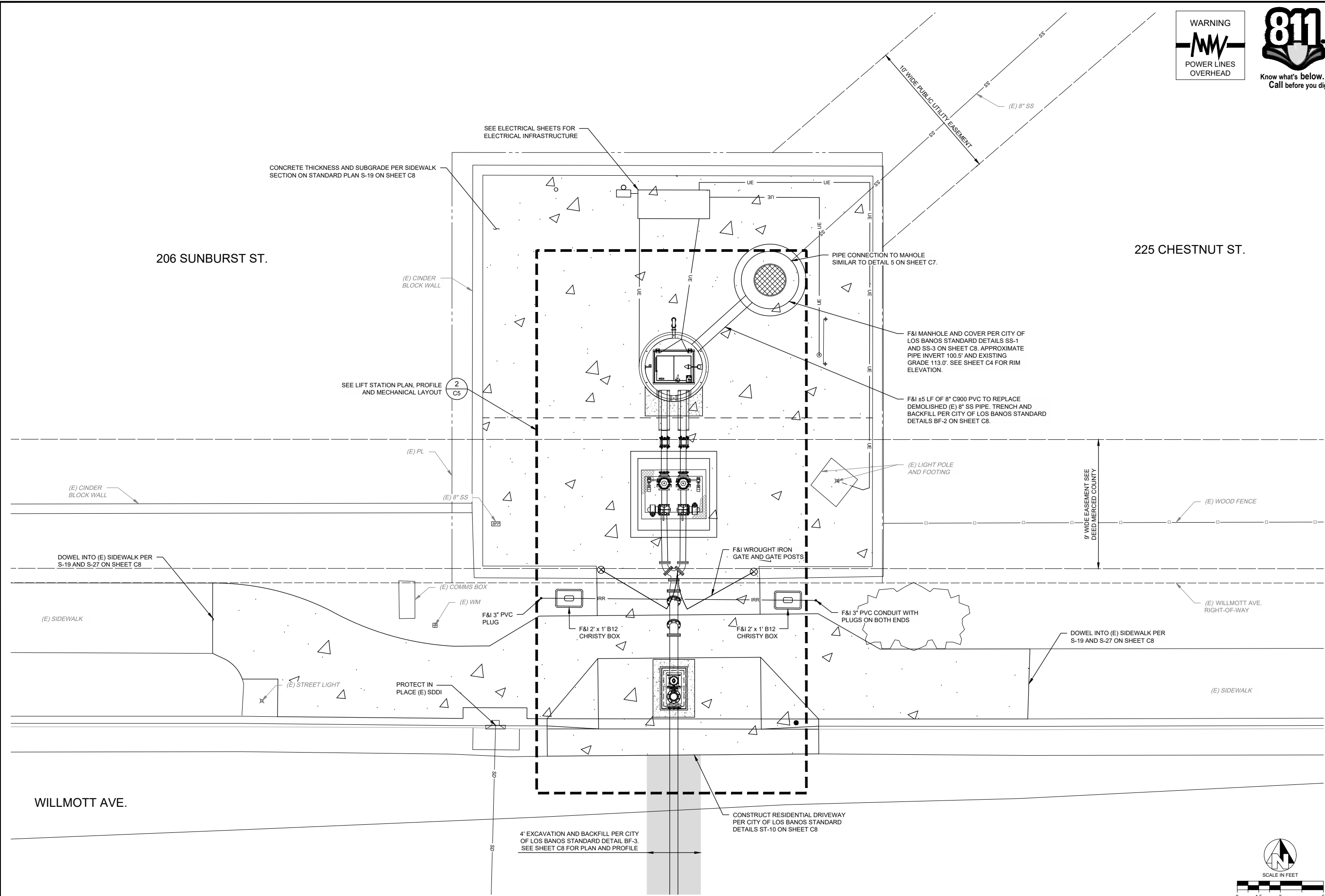
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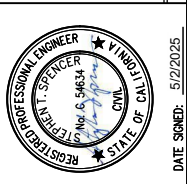
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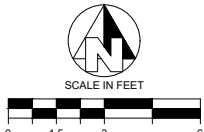
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ORCHARD TERRACE SEWER LIFT STATION REHABILITATION CITY OF LOS BANOS MERCED COUNTY	CONSTRUCTION PLANS LIFT STATION SITE PLAN AND HORIZONTAL CONTROL

PROVOST & PRITCHARD
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FAX: (209) 825-1675
WWW.PROVOSTANDPRITCHARD.COM

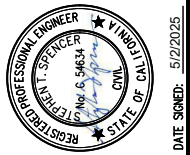
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3 OF 18	





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ORCHARD TERRACE SEWER LIFT STATION
REHABILITATION
CITY OF LOS BANOS
MERCED COUNTY

CONSTRUCTION PLANS
LIFT STATION PLAN PROFILE AND
MECHANICAL LAYOUT

**PROVOST &
PRITCHARD**
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PHONE (209) 829-1685
FAX (209) 829-1675
www.provostandpritchard.com

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STEVE SPENCER
LICENSE NO:
CE 54634

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PROJECT NO: 350124010

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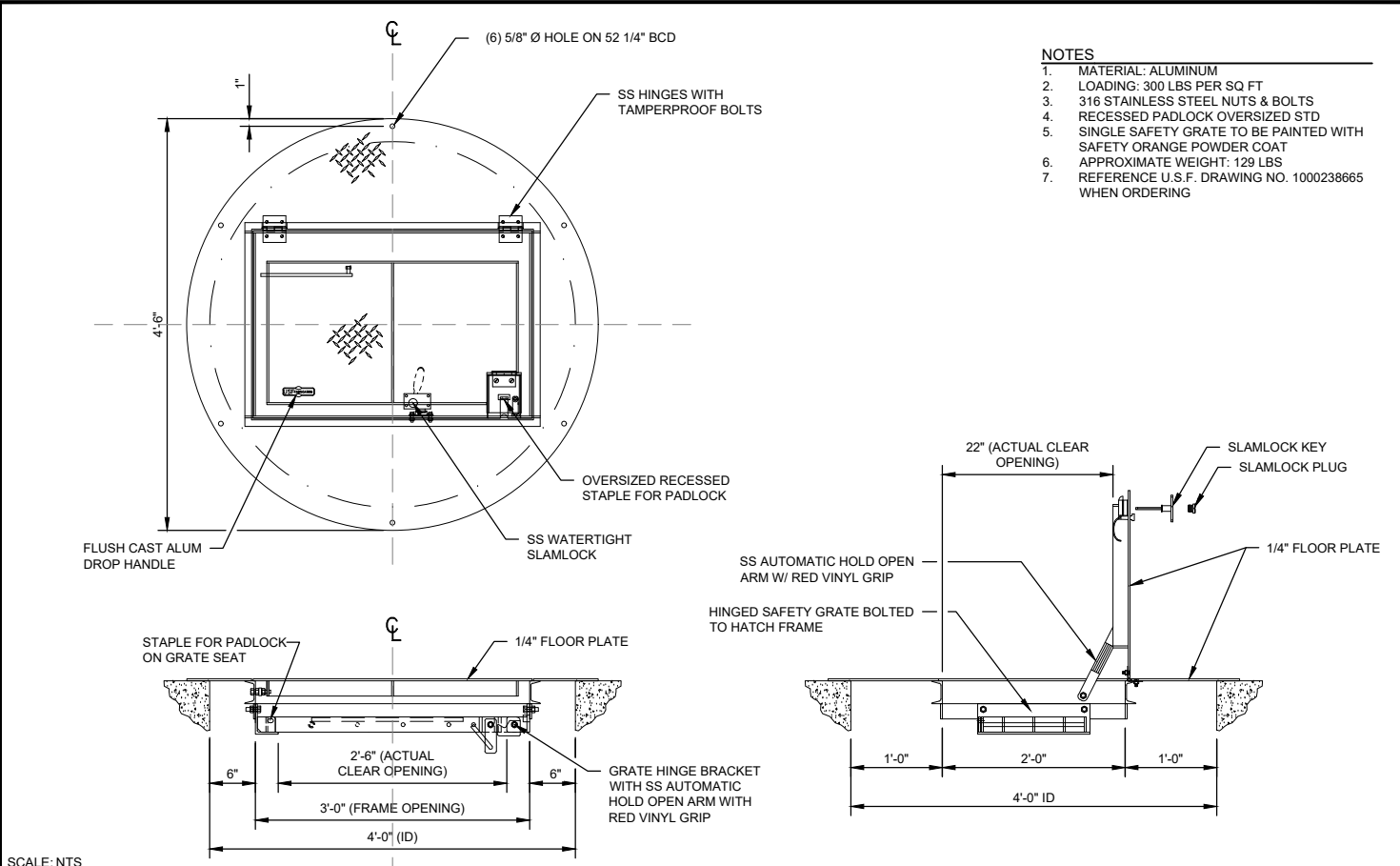
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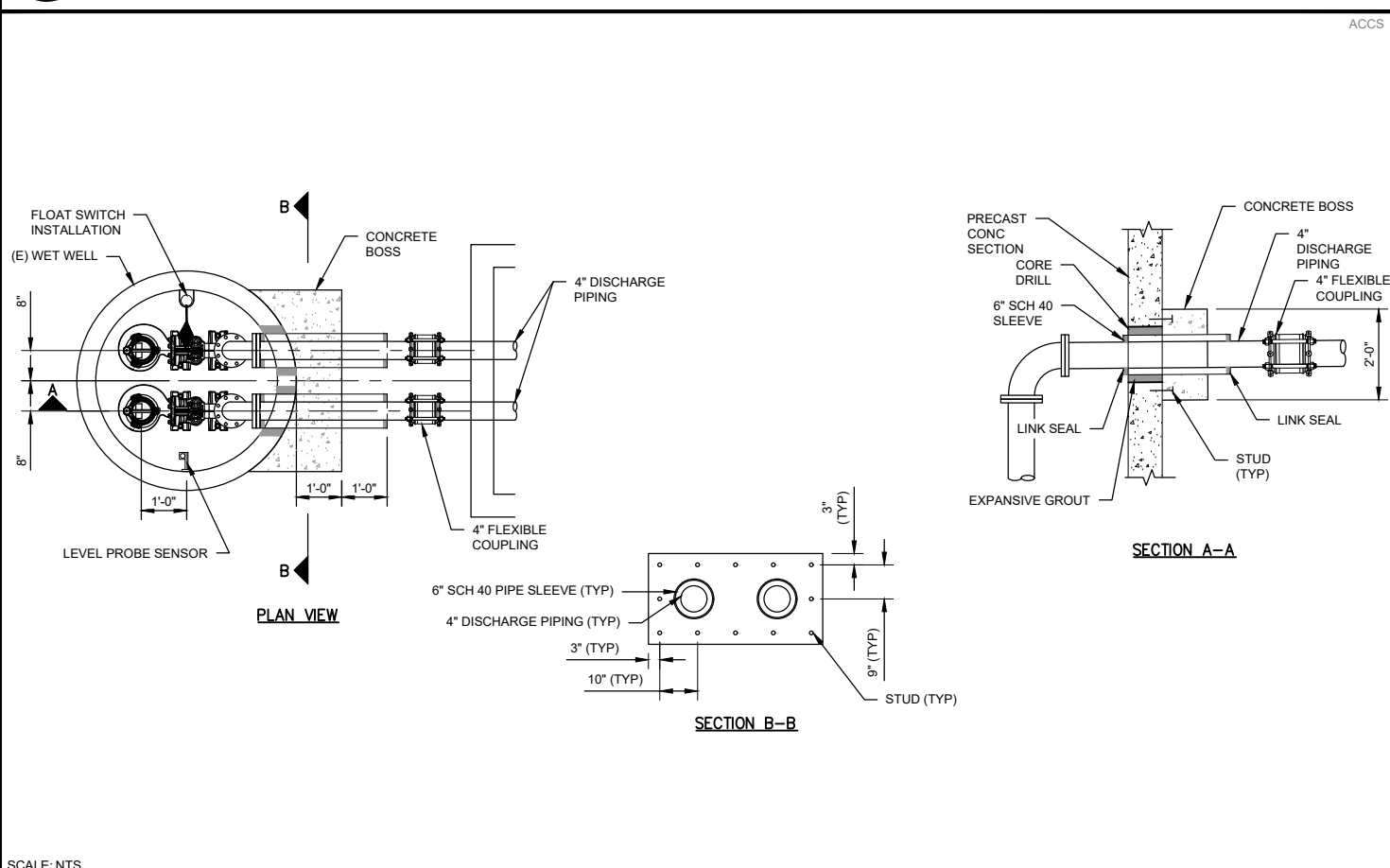
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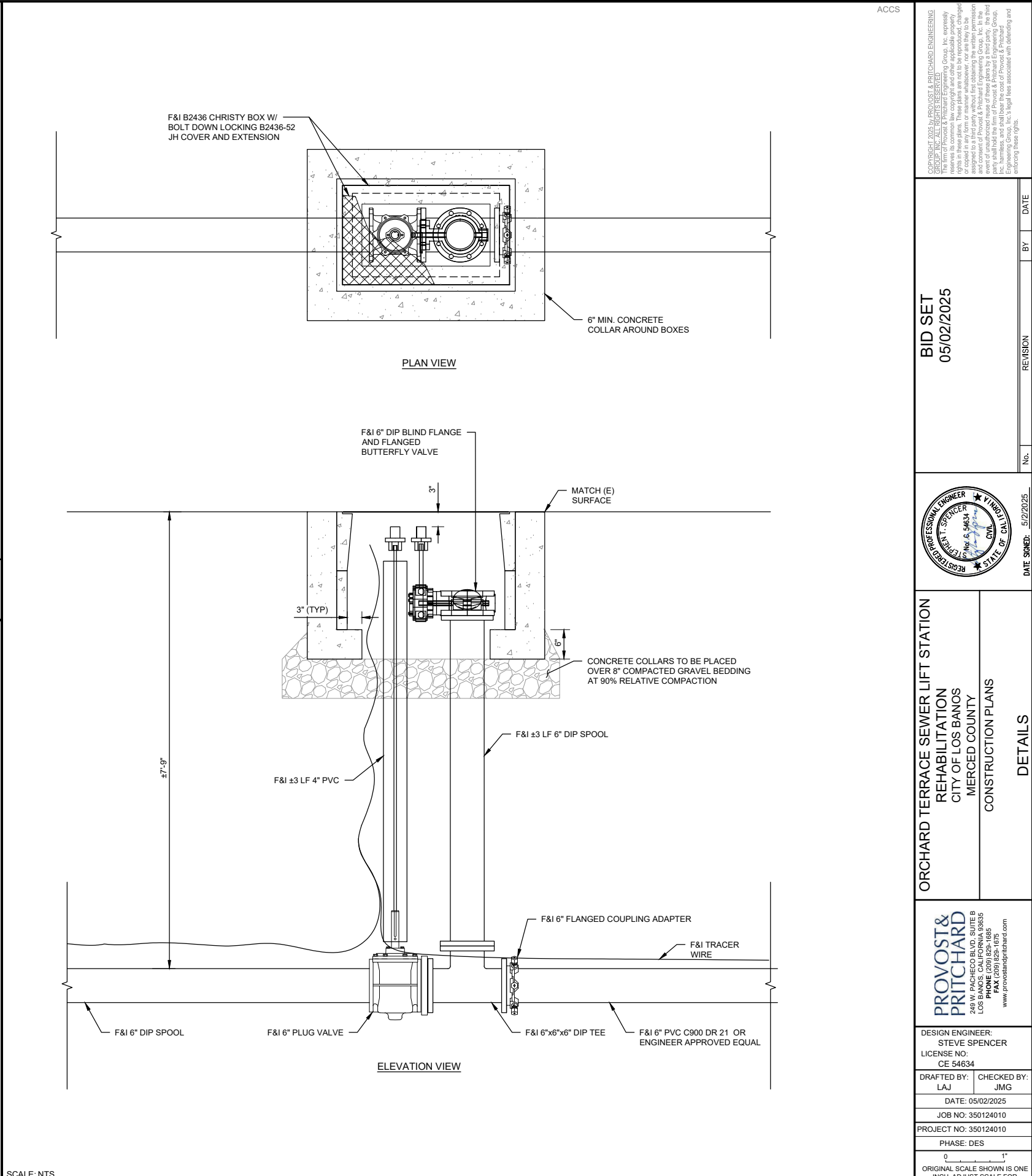
5 OF 18



1 U.S.F. FABRICATION INC. HATCH BPS 48" ID X 54" OD
ALUMINUM 24" X 36" ACCESS DOOR WITH SLAMLOCK



2 CORE DRILL



3 PUMPING BYPASS AND VALVE VAULT

ACCS

PROVOST & PRITCHARD ENGINEERING

248 W. PACHECO BLVD., SUITE B

LOS BANOS, CALIFORNIA 94035

TEL: (415) 825-1775

FAX: (415) 825-1775

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6 OF 18

BID SET
05/02/2025

ORCHARD TERRACE SEWER LIFT STATION
REHABILITATION
CITY OF LOS BANOS
MERCED COUNTY
CONSTRUCTION PLANS

DETAILS

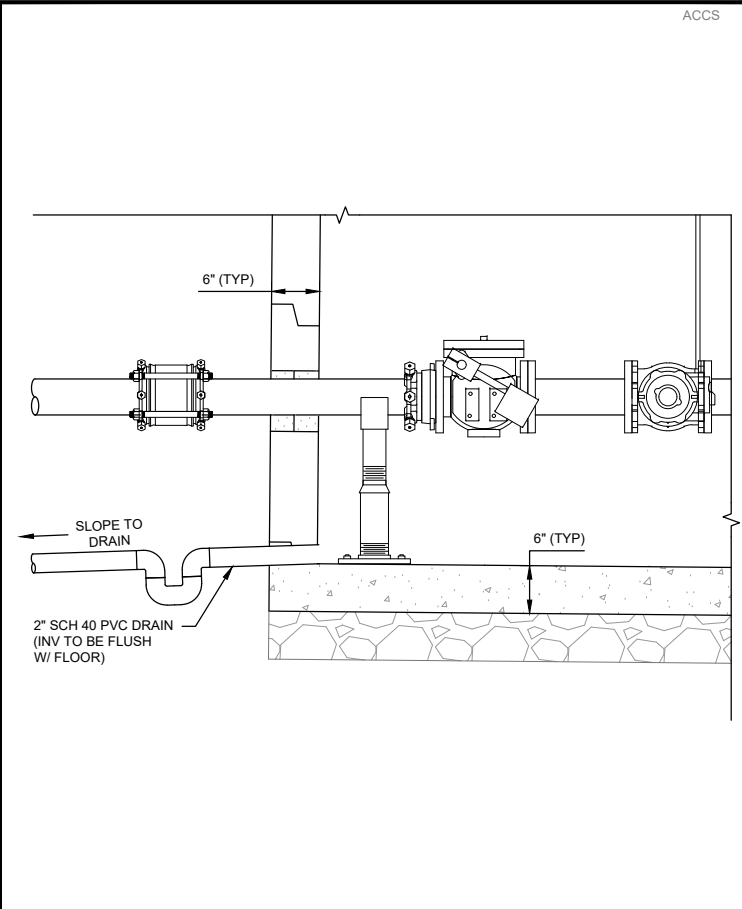
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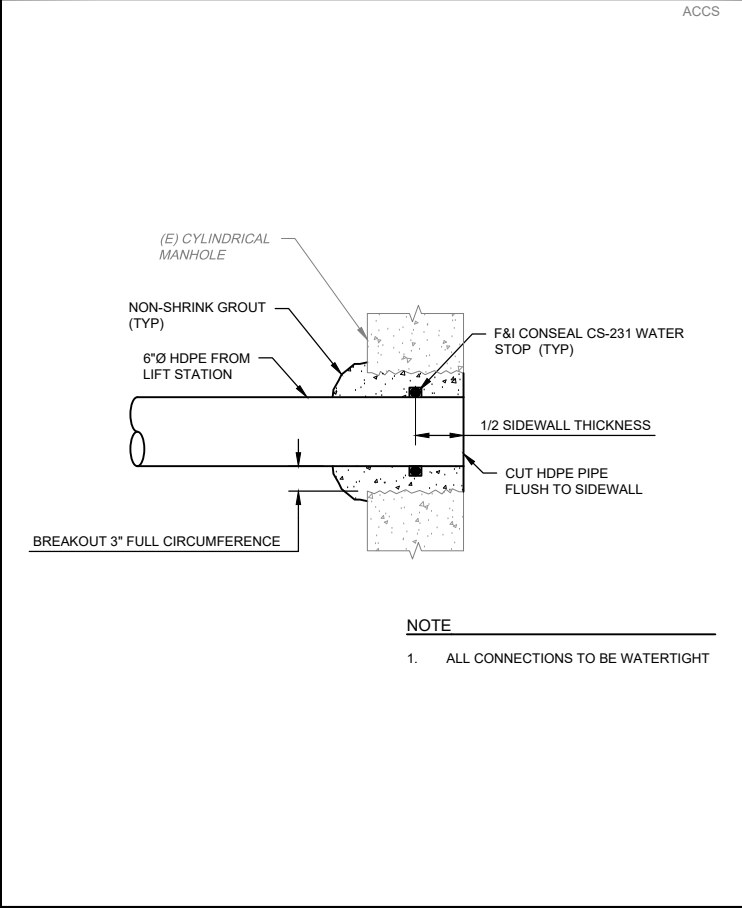
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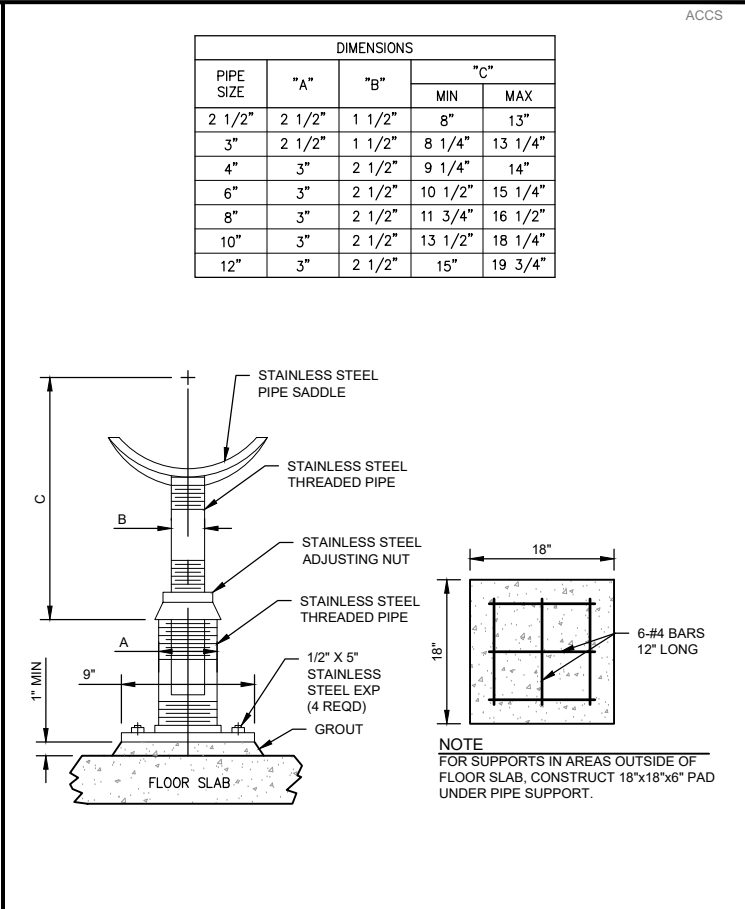
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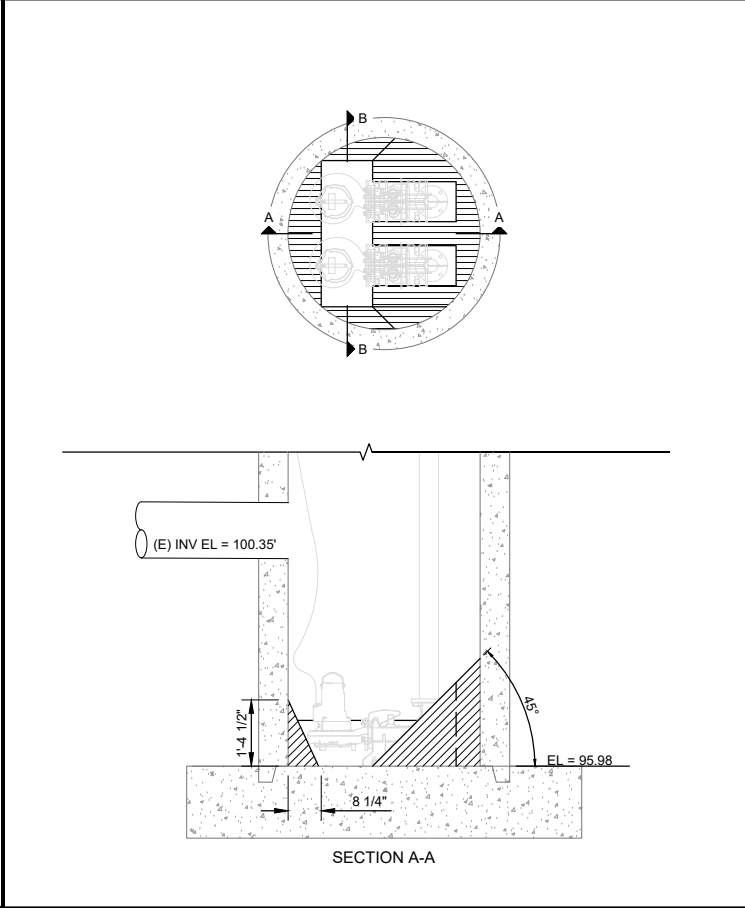
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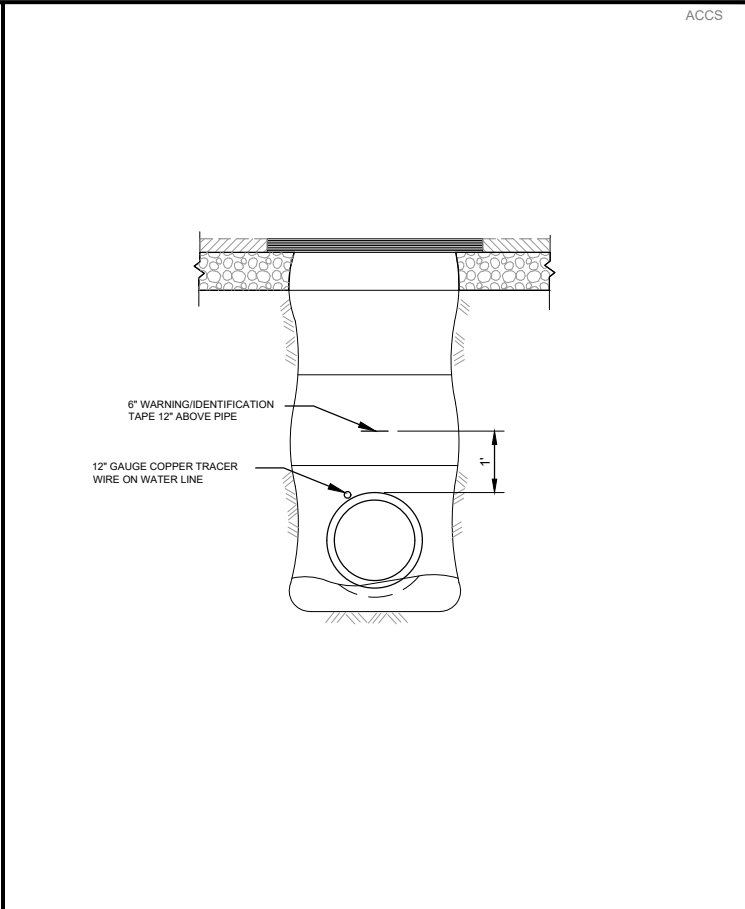
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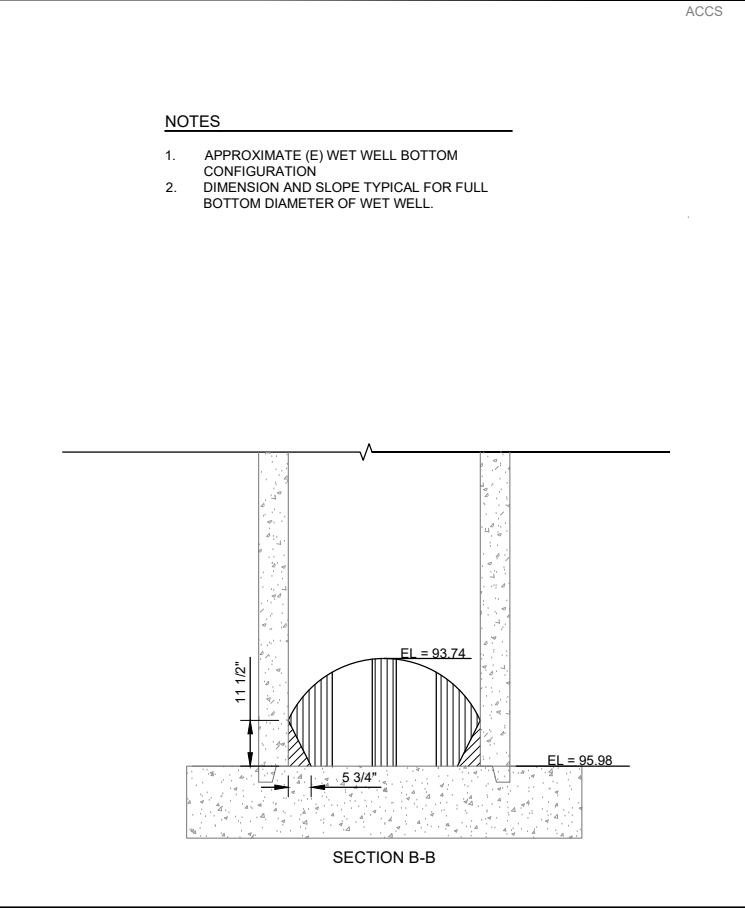
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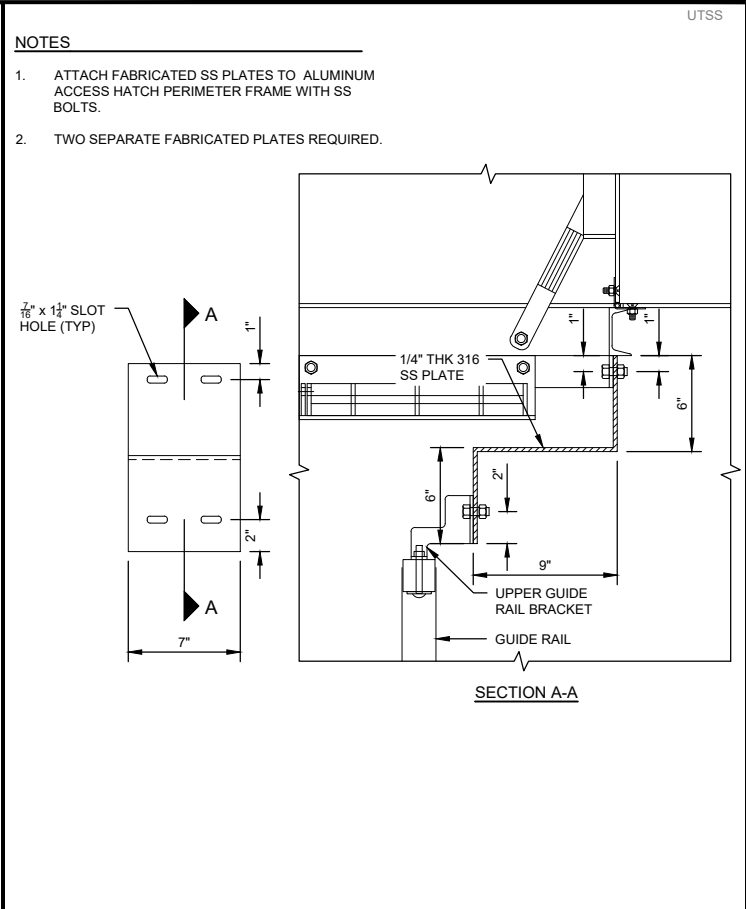
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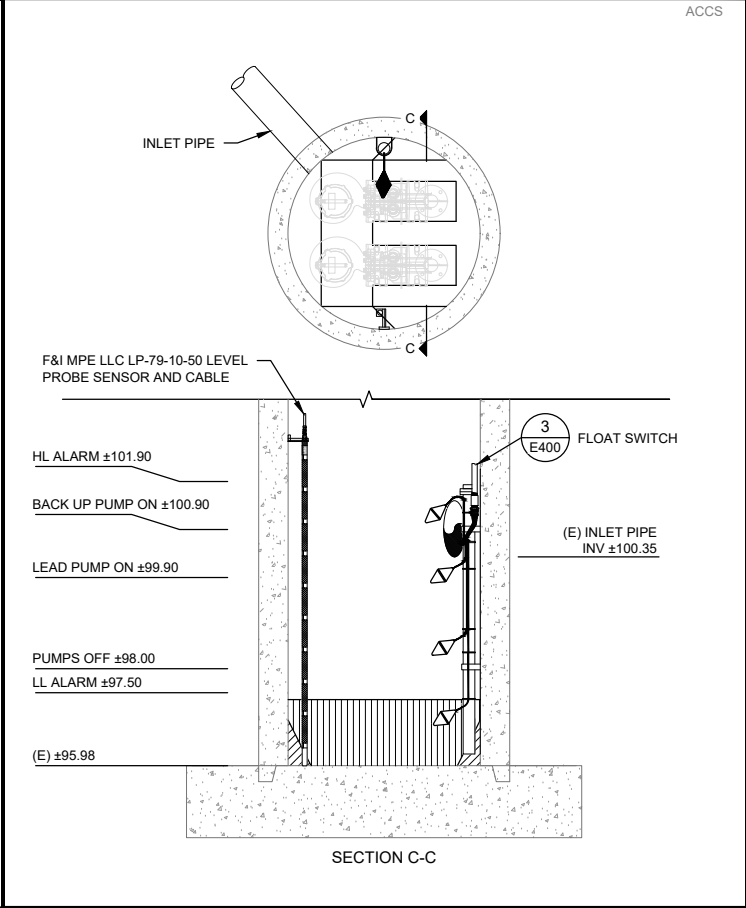
3 WARNING TAPE AND TRACER WIRE
SCALE: NTS



7 LEVEL PROBE AND FLOAT SWITCH CONFIGURATION
SCALE: NTS



4 FABRICATED SS PLATE
SCALE: NTS



7 LEVEL PROBE AND FLOAT SWITCH CONFIGURATION
SCALE: NTS

BID SET
05/02/2025

ORCHARD TERRACE SEWER LIFT STATION
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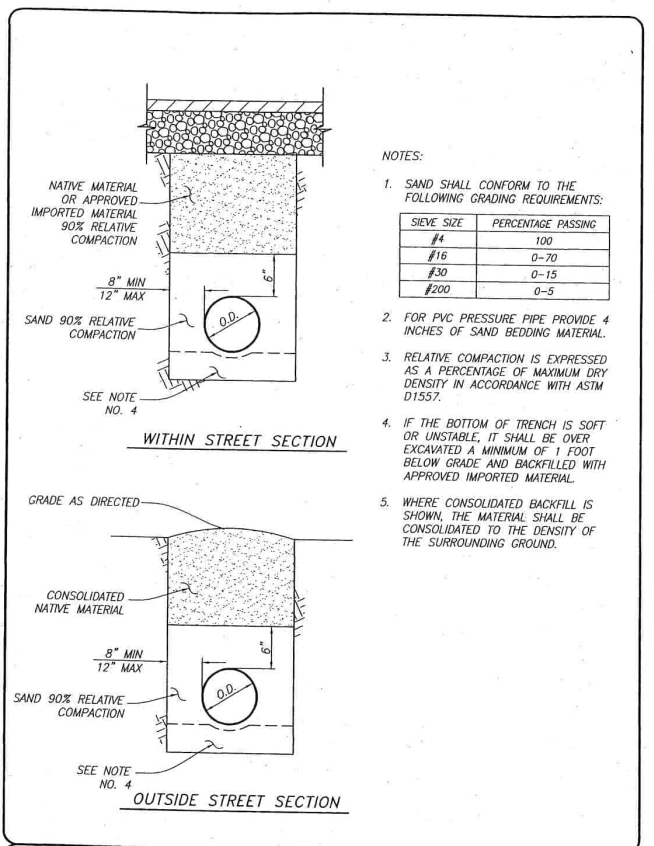
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SHEET
C7
7 OF 18

PROFESSIONAL ENGINEER
REGISTERED
NO. 54634
STATE OF CALIFORNIA

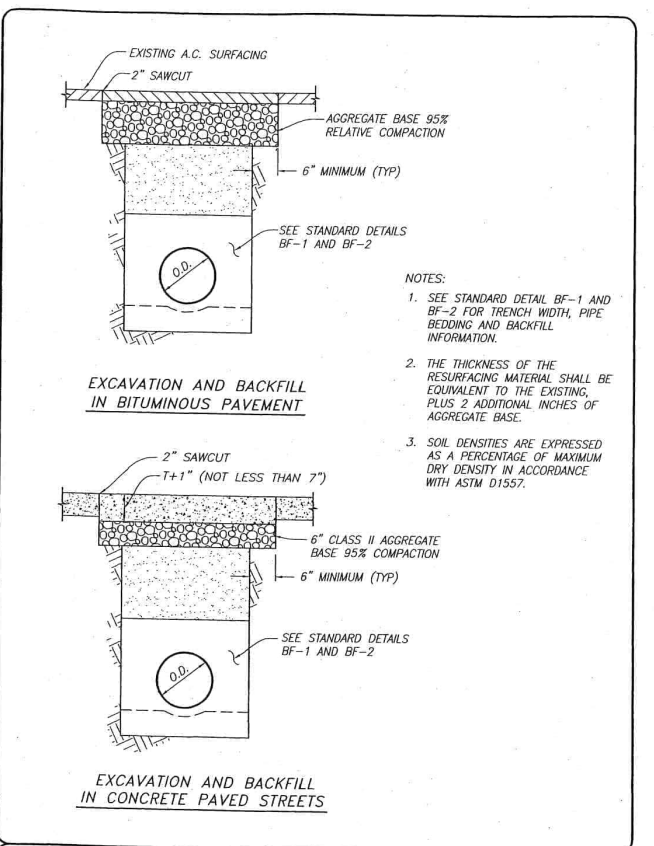
DATE SIGNED: 5/2/2025
BY:
REVISION:
DATE:

Jul 01, 2004 - 1.0
1.0 Liter (Detailed) City of Los Banos (Revised) 14-2.dwg



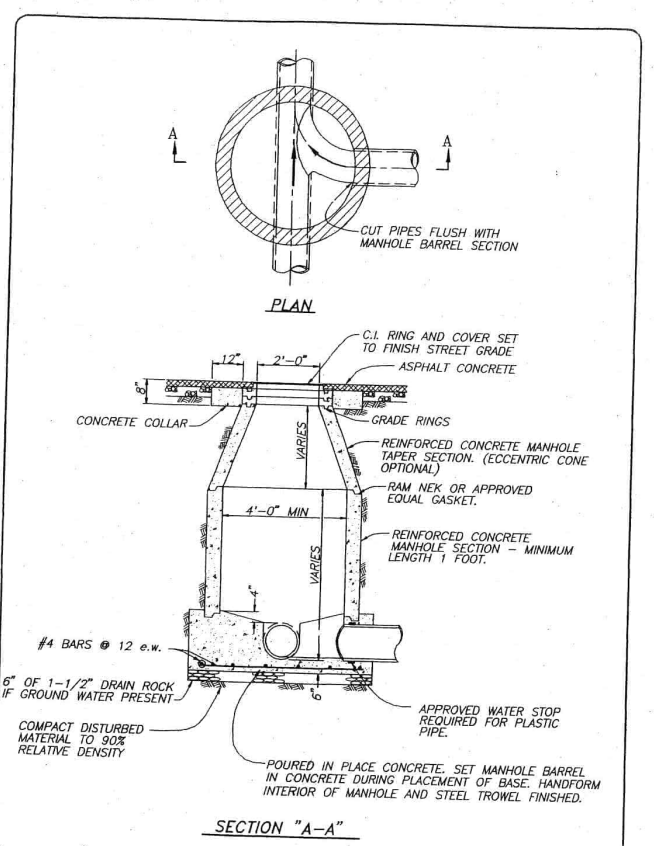
DATE APPROVED: 10-06-04	BACKFILL AND BEDDING	STANDARD DETAIL
APPROVED BY: [Signature]	RIGID WALLED PIPE BACKFILL	BF-2
DRAWN: O. MORENO DATE: 03/26/04	CITY OF LOS BANOS	

Mar 28, 2004 - 1.0
1.0 Liter (Detailed) City of Los Banos (Revised) 14-2.dwg



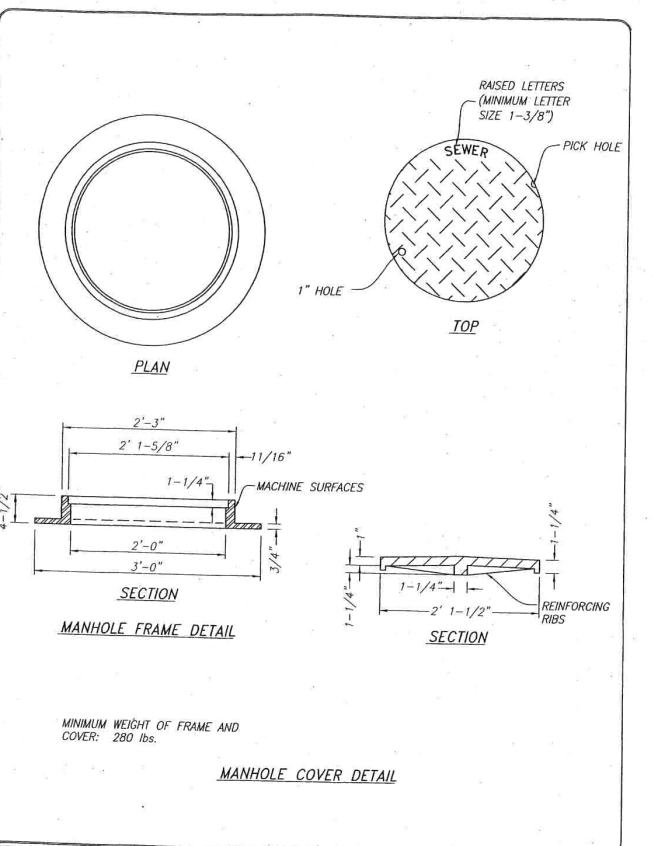
DATE APPROVED: 10-06-04	BACKFILL AND BEDDING	STANDARD DETAIL
APPROVED BY: [Signature]	EXCAVATION AND BACKFILL IN EXISTING STREETS	BF-3
DRAWN: O. MORENO DATE: 03/26/04	CITY OF LOS BANOS	

Oct 15, 1994 - 1.0
1.0 Liter (Detailed) City of Los Banos (Revised) 14-2.dwg



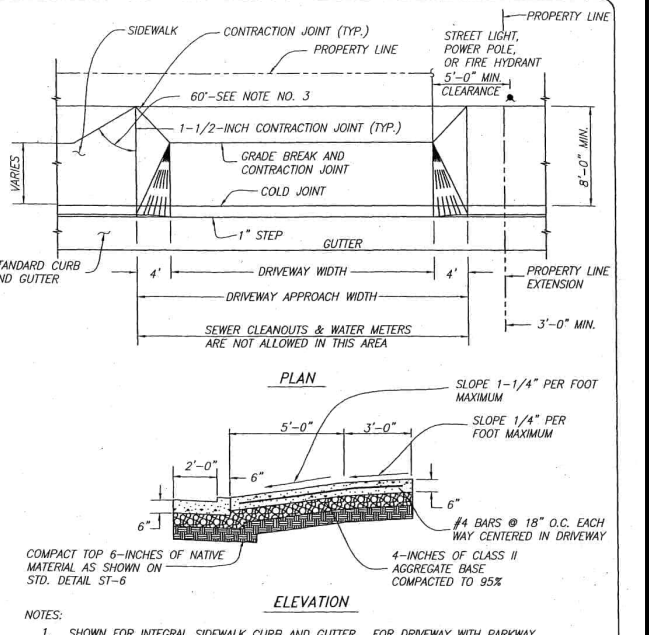
DATE APPROVED: 6-15-94	SANITARY SEWER	STANDARD DETAIL
APPROVED BY: [Signature]	TYPICAL MANHOLE	SS-1
DRAWN: R.D. HILL II DATE: 02/04/94	CITY OF LOS BANOS	

1.0 Liter (Detailed) City of Los Banos (Revised) 14-2.dwg



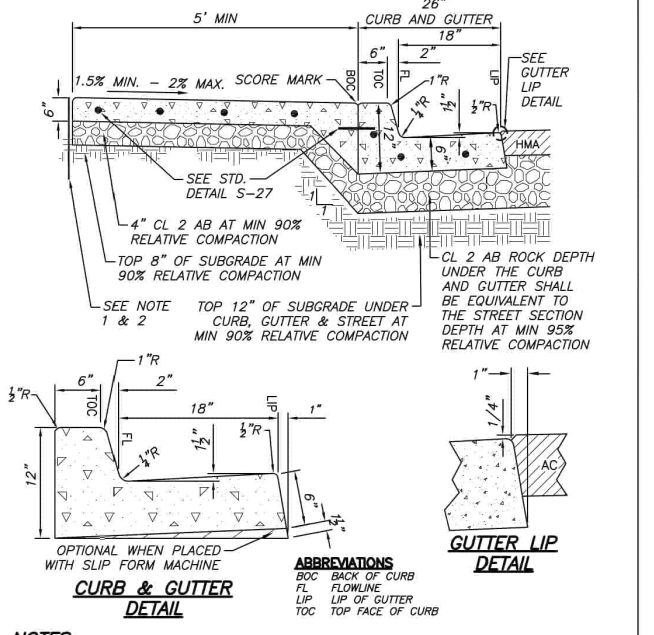
DATE APPROVED: 10-06-04	SANITARY SEWER	STANDARD DETAIL
APPROVED BY: [Signature]	CAST IRON MANHOLE FRAME AND COVER	SS-3
DRAWN: MARK ARRIETA DATE: 03/17/04	CITY OF LOS BANOS	

Oct 26, 2002 - 1.0
1.0 Liter (Detailed) City of Los Banos (Revised) 14-2.dwg



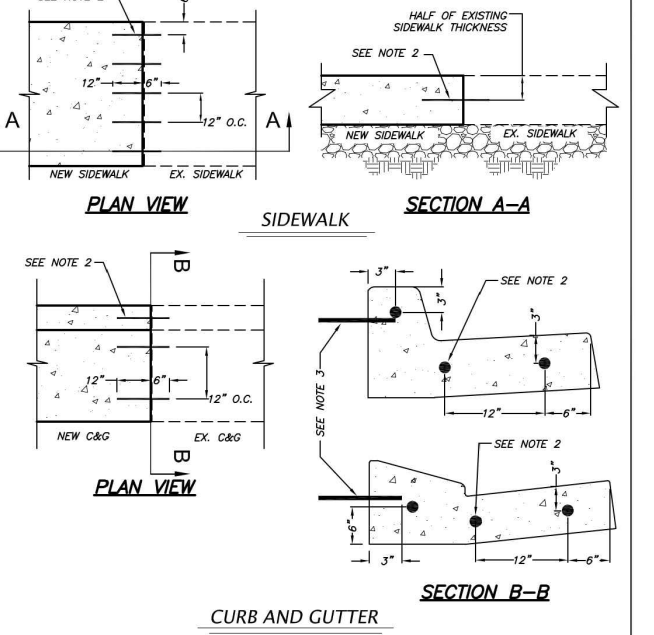
DATE APPROVED: 10-06-04	STREET IMPROVEMENTS	STANDARD DETAIL
APPROVED BY: [Signature]	COMMERCIAL/INDUSTRIAL DRIVEWAY	ST-10
DRAWN: O. MORENO DATE: 10/18/00	CITY OF LOS BANOS	

Oct 26, 2002 - 1.0
1.0 Liter (Detailed) City of Los Banos (Revised) 14-2.dwg



DATE APPROVED: 10-26-20	CITY OF PATTERSON IMPROVEMENT STANDARDS	DRAWING NO.
APPROVED BY: [Signature]	6" VERTICAL CURB, GUTTER AND SIDEWALK DETAIL	S - 19
DRAWN BY: J. MANGAT		
CHECKED BY: M. WILLET		
APPROVED BY: [Signature]		
FERNANDO ULLOA, CITY ENGR.	DATE: 10/26/20	R.C.E. NO. 62736

Oct 26, 2002 - 1.0
1.0 Liter (Detailed) City of Los Banos (Revised) 14-2.dwg



DATE APPROVED: 10-26-20	CITY OF PATTERSON IMPROVEMENT STANDARDS	DRAWING NO.
APPROVED BY: [Signature]	DOWEL CONNECTIONS	S - 27
DRAWN BY: J. MANGAT		
CHECKED BY: M. WILLET		
APPROVED BY: [Signature]		
FERNANDO ULLOA, CITY ENGR.	DATE: 10/26/20	R.C.E. NO. 62736

BID SET
05/02/2025

ORCHARD TERRACE SEWER LIFT STATION
REHABILITATION
CITY OF LOS BANOS
MERCED COUNTY
CONSTRUCTION PLANS

PROVOST & PRITCHARD
248 W. PACHECO BLVD. SUITE B
LOS BANOS, CALIFORNIA 93635
TEL: (209) 825-1975
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www.provostandpritchard.com

DESIGN ENGINEER:
STEVE SPENCER
LICENSE NO:
CE 54634

DRAFTED BY: LAJ
CHECKED BY: JMG
DATE: 05/02/2025
JOB NO: 350124010
PROJECT NO: 350124010
PHASE: DES

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

SHEET
C8
8 OF 18

DATE: 5/2/2025
BY: [Signature]
REVISION: [Signature]
No. [Signature]

DATE SIGNED: 5/2/2025

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AAP	AMP	FA	FIRE ALARM	M/G	MOTOR GENERATOR	S	SHIELD
ABAN	ALARM ANNUNCIATOR PANEL	FACP	FIRE ALARM CONTROL PANEL	MA	MILLIAMPERE	SA	SURGE ARRESTER
ABCB	ABANDON	FBO	FURNISHED BY OTHERS	MAN	MANUAL	SC	SHORT CIRCUIT
ABCS	AIR BLAST CIRCUIT BREAKER	FC	FOOTCANDLE / FAIL CLOSED	MATV	MASTER ANTENNA TELEVISION SYSTEM	SDBC	SOFT DRAWN BARE COPPER
ABS	ABSOLUTE	FDR	FEEDER	MAX	MAXIMUM	SEC	SECOND
ABSW	AIR BREAK SWITCH	FLA	FULL LOAD AMPS	MC	MODULATE-CLOSE	S-F	SLOWER-FASTER
ABT	AIR BLAST TRANSFORMER	FLP	FAIL TO LAST POSITION	MCA	MOTOR CIRCUIT AMPS	SFL	SUB FEED LUGS
AC	ALTERNATING CURRENT	FLUOR	FLUORESCENT	MCB	MAIN CIRCUIT BREAKER	SIG	SIGNAL
ACB	AIR CIRCUIT BREAKER	FLX	FLEXIBLE CONDUIT	MCCB	MOLDED CASE CIRCUIT BREAKER	SLT	SEALTIGHT LIQUIDTIGHT FLEXIBLE CONDUIT
ACK	ACKNOWLEDGE	FM	FREQUENCY MODULATION / FLOOR MOUNTED	MCC-X	MOTOR CONTROL CENTER NO.X	SM	SURFACE MOUNTED
ACP-X	AREA/AUXILIARY CONTROL PANEL NO.X	FO	FAIL OPEN / FIBER OPTIC	MCP	MOTOR CIRCUIT PROTECTOR	SP	SINGLE POLE
ACTR	ACTUATOR	F-O-S	FAST-OFF-SLOW	MERC	MERCURY VAPOR	SPD	SURGE PROTECTIVE DEVICE
ADDL	ADDITIONAL	F-O-S-A	FAST-OFF-SLOW-AUTO	MGO	MAGNETICALLY OPERATED	SPDT	SINGLE POLE DOUBLE THROW
ADDM	ADDENDUM	F-O-S-R	FAST-OFF-SLOW-REMOTE	MH	MANHOLE / MOUNTING HEIGHT	SPKR	SPEAKER
AF	AMP FRAME	FP-X	FIELD PANEL NO.X	MLO	MAIN LUGS ONLY	SPST	SINGLE POLE SINGLE THROW
AFC	AUTOMATIC FREQUENCY CONTROL	FRC	FIBERGLASS RIGID CONDUIT	MLO	MANUALLY OPERATED	SS	SOLID STATE
AFF	ABOVE FINISHED FLOOR	FREQ	FREQUENCY	MOD	MOTOR OPERATED DAMPER	S-S	START-STOP
AFG	ABOVE FINISHED GRADE	FS	FLOAT SWITCH	MOT	MOTOR	SSC	SUPERVISORY SET POINT CONTROL
AHC	AUTO-HOLD-CLOSED	FU	FUSE	MOV	METAL OXIDE VARNISTOR	STB	SHORTING TERMINAL BLOCK
AHM	AMPERE HOUR METER	FUSW	FUSED SWITCH	MPR	MOTOR PROTECTION RELAY	SV	SOLENOID VALVE
AIC	AMP INTERRUPTING CAPACITY	FUT	FUTURE	MSP	MOTOR STARTING PANEL	SW	SWITCH
AM	AMMETER	FVNR	FULL VOLTAGE NON-REVERSING	MS-X	MOTOR STARTER NO.X	SWBD	SWITCHBOARD
AMB	AMBIENT	FVR	FULL VOLTAGE REVERSING	MTO	MANUAL THROW OVER	SWGR	SWITCHGEAR
ANIN	ANNUNCIATOR	FWD	FORWARD	MTR-X	MOTOR NO.X	SYMM	SYMMETRICAL
ANT	ANTENNA			MTS	MANUAL TRANSFER SWITCH	SYM	SYMBOL
APU	AUXILIARY POWER UNIT	G	GROUND	MV	MEGAVOLT	SYS	SYSTEM
ARM	ARMORED CABLE	GEN	GENERATOR	MVA	MEGAVOLT-AMPERES	S1	SOURCE 1
AS	AMMETER SWITCH	GFCI	GROUND FAULT CIRCUIT INTERRUPTER (RECEPTACLE)	MVS	MEDIUM VOLTAGE SWITCH	S2	SOURCE 2
ASU	AIR SUPPLY UNIT	GFR	GROUND FAULT RELAY	MW	MEGAWATT		
ASYM	ASYMMETRICAL	GRC	GALVANIZED STEEL RIGID CONDUIT	MWH	MOTOR WINDING HEATER	TACH	TACHOMETER
AT	AMP TRIP	GS	GOVERNOR SWITCH	M-X	MOTOR CONTROLLER NO.X	TB-X	TERMINAL BLOCK - UNIT X
ATO	AUTOMATIC THROW OVER			N	NORMAL, NEUTRAL	TC	THERMOCOUPLE / TIME CLOCK / TRAY CABLE
ATP	AMMETER TEST POINT	H	HOT-LEG	NC	NORMALLY CLOSED	TD	TEMPERATURE DETECTOR RELAY
ATS	AUTOMATIC TRANSFER SWITCH	HF	HIGH FREQUENCY	NCTO	NORMALLY CLOSED TIME OPEN	TDR	TIME DELAY RELAY
AUTO XFMR	AUTOMATIC TRANSFORMER	Hg	MERCURY	NEC	NATIONAL ELECTRICAL CODE	TE	TOTALLY ENCLOSED
AUX	AUXILIARY	HID	HIGH INTENSITY DISCHARGE	NEG	NEGATIVE	TEFC	TOTALLY ENCLOSED FAN COOLED
AWG	AMERICAN WIRE CAGE	HMI	HUMAN MACHINE INTERFACE	NEUT	NEUTRAL	TEMP	TEMPORARY
		HO	HIGH OUTPUT	NFC	NONMETALLIC FLEXIBLE CONDUIT	TENV	TOTALLY ENCLOSED NON-VENTILATED
B	BELL	H-O-A	HAND-OFF-AUTO	NIC	NOT IN CONTRACT	TERM	TERMINAL
BAT	BATTERY	H-O-R	HAND-OFF-REMOTE	N-J	NORMAL-JOG	TJB	TERMINAL JUNCTION BOX
BCT	BUSHING CURRENT TRANSFORMER	HORIZ	HORIZONTAL	NL	NIGHT LIGHT	TM	THERMAL MAGNETIC
BDCT	BUS DIFFERENTIAL CURRENT TRANSFORMER	HP	HORSEPOWER	NO	NORMALLY OPEN	TOT	TOTAL
BFG	BELOW FINISHED GRADE	HPF	HIGH POWER FACTOR	NOTC	NORMALLY OPEN TIMED CLOSED	TP	TWISTED PAIR
BHP	BRAKE HORSEPOWER	HPS	HIGH PRESSURE SODIUM	NP	NAMEPLATE	TS	TEMPERATURE SWITCH
BKR	BREAKER	HR	HOOR			TS2W	TWO SPEED CONSEQUENT POLE, TWO WINDING
BPD	BUSHING POTENTIAL DEVICE	HS	HAND OPERATED SELECTOR SWITCH	O	OPEN OR CLOSED	TS2W	TWO SPEED SEPARATE WINDING
BRF	BELOW RAISED FLOOR	HSTAT	HUMIDISTAT	O-C	OPEN-CLOSE	TSIW	TWO SPEED CONSEQUENT POLE, ONE WINDING
		HV	HIGH VOLTAGE	O-CA	OPEN-CLOSE-AUTO	TSTAT	THERMOSTAT
C	CONDUIT	HVAC	HEATING/VENTILATION/AIR CONDITIONING	OCB	OIL CIRCUIT BREAKER	TU OR TURB	TURBIDITY
C-A-M	COMPUTER-AUTO MANUAL	HZ	FREQUENCY (HERTZ)	OCR	OIL CIRCUIT RECLOSURE		
CB	CIRCUIT BREAKER			OH	OVERHEAD	UHF	ULTRA HIGH FREQUENCY
CC	CONTROL CABLE	I	INSTANTANEOUS LOAD	OHGW	OVERHEAD GUY WIRE	UNG	UNGROUND
CCS	CENTRAL CONTROL SYSTEM	IC	INSTANTANEOUS/CONTINUOUS LOAD	OL	OVERLOAD RELAY	UPS	UNINTERRUPTIBLE POWER SUPPLY
CCT	CENTRAL CIRCUIT TRANSFORMER	IGN	IGNITION	O-O	ON-OFF	UVR	UNDER VOLTAGE RELAY
CCTV	CLOSED CIRCUIT TELEVISION	IB	INSTRUMENT JUNCTION BOX	O-O-A	ON-OFF-AUTO	V	VOLT
COW	COUNTER CLOCKWISE	IMC	INTERMEDIATE METAL CONDUIT	O-O-R	ON-OFF-REMOTE	VA	VOLT AMPERE
CFP	CHEMICAL FEED PUMP	INCAND	INCANDESCENT	OPT	OPTIONAL	VAR	VARMETER
CKT	CIRCUIT	INST	INSTANTANEOUS	O-R	OFF-REMOTE	VB	VACUUM BREAKER
C-M	COMPUTER MANUAL	INSTR	INSTRUMENT	O-S-C	OPEN-STOP-CLOSE	VCO	VOLTAGE CONTROLLED OSCILLATOR
CO	CUT OFF SWITCH	INT	INTERLOCK			VCP	VENDOR CONTROL PANEL
COAX	COAXIAL CABLE	INTERCOM	INTERCOMMUNICATION	P	POLE	VEL	VELOCITY
COEF	COEFFICIENT	ISP					

	CIRCUIT BREAKER		METER UTILITY		TRANSFORMER
	DRAW OUT ELEMENT		MOTOR CONTROLLER		TRANSFORMER - POTENTIAL
	FUSE		MOTOR		TRANSFORMER - STEP-DOWN
	GENERATOR		PANELBOARD		TRANSFORMER - CURRENT
	GENERATOR TAP BOX		OVERLOAD		
	GROUNDING SYSTEM		DC POWER SUPPLY		
	GROUNDING WELL		SURGE ARRESTOR		UPS
	HMI		SURGE PROTECTOR		UTILITY SERVICE
	HVAC		SWITCH - FUSED DISCONNECT		
	LIGHT		SWITCH - FUSED		
			SWITCH - TRANSFER		

CAT6	CAT6 COPPER ETHERNET CABLE
ENET	DATA COMMUNICATIONS CABLE, ETHERNET
FO	SINGLE MODE FIBER OPTIC CABLE
□	COAXIAL CABLE
S	SERIAL CABLE
— — — — —	COPPER

1. INSTRUMENTS AND EQUIPMENT ARE SHOWN IN THE GENERAL VICINITY, VERIFY LOCATIONS WITH OWNER AND RUN CONDUITS AND CONDUCTORS ACCORDINGLY.
2. CONDUIT SHALL BE CONCEALED, WHEREVER POSSIBLE.
3. PROVIDE SEPARATE GROUNDING CONDUCTOR IN EVERY CONDUIT, UNLESS NOTED OTHERWISE.
4. PROVIDE CONCRETE HOUSEKEEPING PAD FOR ALL FLOOR MOUNTED EQUIPMENT.

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LEGEND AND ABBREVIATIONS

DESIGN ENGINEER:
STEVE SPENCER
LICENSE NO:
CE 54634

DRAFTED BY: LAJ	CHECKED BY: JMG
--------------------	--------------------

DATE: 05/02/2025

JOB NO: 350124010

PROJECT NO: 350124010

PHASE: DES

0 1"

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

SHEET E000

9 OF 18

5/2/2025 1:46 PM G:\Los Bamos City of 3501\350124010-Ordinad Terrace SSI S Behabi\300 CAD\340 Sheet Sets\ELECTRICAL PLANS\E000 | LEGEND AND ABBREVIATIONS.dwg - Dylan Morillas

SYMBOLS



##A
#P

CIRCUIT BREAKER



CONDUIT TRANSITION
BELOW GRADE - ABOVE GRADE
ABOVE GRADE - BELOW GRADE



CONTINUOUS



DISCONTINUOUS



DRAW OUT ELEMENT



DUPLEX RECEPTACLE



#A
FU

FUSE



(#)##AT

FUSED SWITCH



##

FUSED DISCONNECT SWITCH



NAME
XXXW
XXkVA
#V/#V
#ø - #W

GENERATOR



GROUND WELL



ROUND LIGHT



SQUARE LIGHT



M
NAME
##HP

MOTOR



OVERLOAD



SURGE ARRESTER
##kV (##MCOV)

SURGE ARRESTER



S1
A/MTS
##A
#P
S2

TRANSFER SWITCH
(ATS) AUTOMATIC TRANSFER SWITCH
(MTS) MANUAL TRANSFER SWITCH



CT#
RATIO/5
###

CURRENT TRANSFORMER



XFMR
NAME
#V/#V
XXkVA

TRANSFORMER



(#) PT
HV/LV

POTENTIAL TRANSFORMER



UTILITY
ID?????

UTILITY METER



UTILITY
ID?????

UTILITY METER W/ CT'S



UTILITY
ID?????

UTILITY METER W/ CT'S AND PT



UTILITY SERVICE



XXXXX

PULL BOX TAG



XXXXX

CONDUIT TAG



XXX
000

INSTRUMENT BUBBLE



XXX
000

PLC MOUNTED



XXX
000

ILLUMINATED EQUIPMENT



XXX
000

FIELD MOUNTED



XXX
000

REAR PANEL MOUNTED



XXX
000

FRONT PANEL MOUNTED



XXX
000

SCADA SIGNAL



VALVES



3-WAY VALVE



4-WAY VALVE



ANGLE VALVE



BALL VALVE



BUTTERFLY VALVE



CHECK VALVE



GATE VALVE



GLOBE VALVE



NEEDLE VALVE



PRESSURE VALVE (EXTERNAL TAP)



PRESSURE VALVE (SELF CONTAINED)



SUBMERSIBLE PUMP



CHEMICAL DOSING PUMP

LINETYPES

EXISTING	LINETYPE		NEW	DESCRIPTION
			CAT6	CAT6 COPPER ETHERNET CABLE
			ENET	DATA COMMUNICATIONS CABLE, ETHERNET
			FO	SINGLE MODE FIBER OPTIC CABLE
				COAXIAL CABLE
			S	SERIAL CABLE
				COPPER
				FUTURE
			OCO	COMMUNICATIONS (AERIAL)
			UCO	COMMUNICATIONS (BURIED)
			OE	POWER (AERIAL)
			UE	POWER (BURIED)

GENERAL NOTES

- INSTRUMENTS AND EQUIPMENT ARE SHOWN IN THE GENERAL VICINITY, VERIFY LOCATIONS WITH OWNER AND RUN CONDUITS AND CONDUCTORS ACCORDINGLY.
- CONDUIT SHALL BE CONCEALED, WHEREVER POSSIBLE.
- PROVIDE SEPARATE GROUNDING CONDUCTOR IN EVERY CONDUIT, UNLESS NOTED OTHERWISE.
- PROVIDE CONCRETE HOUSEKEEPING PAD FOR ALL FLOOR MOUNTED EQUIPMENT.

INSTRUMENT IDENTIFICATION LETTERS SCHEDULE											
		ALARM	ELEMENT	TRANSMITTER	INDICATOR	RECORDER	CONTROLLER	SWITCH	VALVE	GAUGE	LIGHT
A	ANALYSIS	AA	AE	AT	AI	AR	AC	AS			AL
B	BURNER, COMBUST.	BA	BE	BT	BI	BR	BC	BS			BL
C	CONDUCTIVITY	CA	CE	CT	CI	CR	CC	CS			CL
D	DENSITY	DA	DE	DT	DI	DR	DC	DS			DL
F	FLOW	FA	FE	FT	FI	FR	FC	FS	FCV	FG	FL
FF	FLOW RATIO				FFI						FFL
G	GAUGE, DIMENSION										
I	CURRENT	IA		IT	II	IR	IC	IS			IL
P	POWER										
K	TIME	KA			KI	KR	KC	KS	KCV		KL
L	LEVEL	LA	LE	LT	LI	LR	LC	LS	LCV	LG	LL
M	MOISTURE, HUMIDITY	MA	ME	MT	MI	MR	MC	MS			ML
N	EMERG, SHUTDOWN										
P	PRESSURE	PA	PE	PT	PI	PR	PC	PS	PCV		PL
PD	PRESSURE DIFFERENTIAL	PDA			PDI	PDR	PDC	PDS	PDCV		PDL
Q	QUANTITY	QA	QE	QT	QI	QR		QS			
R	RADITATION										
S	SPEED	SA	SE	ST	SI	SR	SC	SS			
T	TEMPERATURE	TA	TE	TT	TI	TR	TC	TS	TCV		TL
TD	TEMPERATURE DIFFERENTIAL	TDA		TDI	TDR	TDC	TDS	TDCV			TDL
U	MULTI-VARIABLE				UI	UR	UC	US			UL
V	VISCOSITY	VA	VE	VT	VI	VR	VC	VS			VL
W	WEIGHT	WA	WE	WT	WI	WR	WS				WL
U	UNCLASSIFIED	XA	XE	XT	XI	XR	XC	XS	XCV	XG	XL
XV	VIBRATION		XVE	XVT	XVI	XVR		XVS			XVL
Y	STATUS				YI						YL
Z	POSITION		ZE	ZT	ZI			ZS			ZL

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05/02/2025

PROFESSIONAL ENGINEER
HANNY ALATA CAMP
No. 22847
ELECTRICAL
STATE OF CALIFORNIA

DATE SIGNED: 5/2/2025

ORCHARD TERRACE SEWER LIFT STATION
REHABILITATION
CITY OF LOS BANOS
MERCED COUNTY
ELECTRICAL PLANS

SYMBOLS

DESIGN ENGINEER:
STEVE SPENCER
LICENSE NO:
CE 54634

DRAFTED BY:
LAJ

CHECKED BY:
JMG

DATE: 05/02/2025

JOB NO: 350124010

PROJECT NO: 350124010

PHASE: DES

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1"

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

SHEET

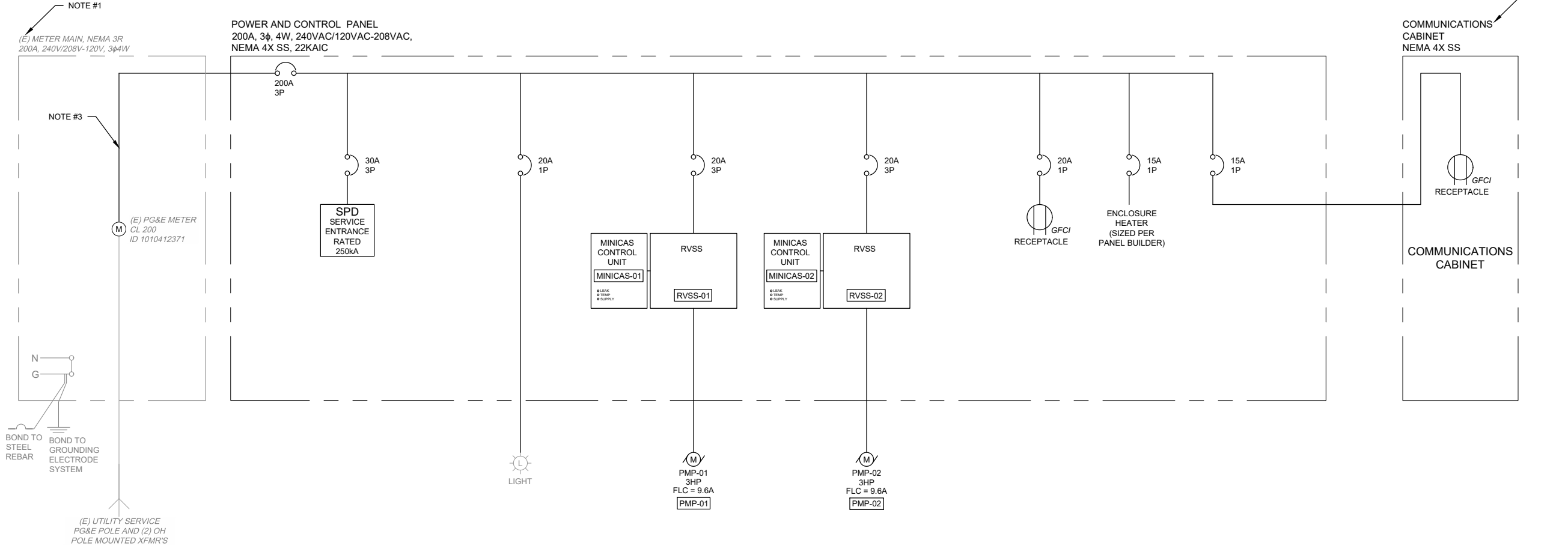
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NOTES

- EXISTING PG&E METER AND MAIN SHALL BE PROTECTED IN PLACE. TERMINATE CONDUCTORS ON EXISTING METER MAIN.
- PROVIDE A 24" X 24" X 8" STAINLESS STEEL, HINGED, NEMA 4X CABINET FOR FUTURE USE, TO HOUSE COMMUNICATION ELEMENTS.
- CONTRACTOR SHALL COORDINATE DISCONNECT/RECONNECT WITH PG&E, TO ALLOW FOR PROVISION OF MAIN BREAKER LINE SIDE CONDUCTORS.

SITE LOAD CALCULATIONS						
ELECTRIC LOADS	1Ø			3Ø		
1 Phase Motors	LOAD	0	kVA	LOAD	-	kVA
3 Phase Motors	LOAD	-	kVA	LOAD	8	kVA
Ag Pump 3 Phase	LOAD	-	kVA	LOAD	0	kVA
Air Conditioning/Heat Pumps	LOAD	0	kVA	LOAD	0	kVA
Arc Welders (Largest unit)	LOAD	0	kVA	LOAD	0	kVA
Arc Welders (remaining units)	LOAD	0	kVA	LOAD	0	kVA
Battery Energy Storage System	LOAD	0	kVA	LOAD	0	kVA
Commercial Cooking	LOAD	0	kVA	LOAD	0	kVA
Data Center/Server Farm	LOAD	0	kVA	LOAD	0	kVA
Elevators	LOAD	0	kVA	LOAD	0	kVA
Level 2 EV Charger	LOAD	0	kVA	LOAD	0	kVA
Level 3 EV Chargers	LOAD	-	kVA	LOAD	0	kVA
Lighting	LOAD	1	kVA	LOAD	0	kVA
Other	LOAD	2	kVA	LOAD	0	kVA
Receptacles	LOAD	1	kVA	LOAD	0	kVA
Receptacles with Office Equipment	LOAD	0	kVA	LOAD	0	kVA
Refrigeration	LOAD	0	kVA	LOAD	0	kVA
Resistance Welders	LOAD	0	kVA	LOAD	0	kVA
Water Heaters	LOAD	0	kVA	LOAD	0	kVA
TOTAL ELECTRIC LOADS	1Ø	4	kVA	3Ø	8	kVA

ORCHARD TERRACE SEWER LIFT STATION
REHABILITATION
CITY OF LOS BANOS
MERCED COUNTY

ELECTRICAL PLANS
SINGLE LINE DIAGRAM AND LOAD
SCHEDULE

PROVOST & PRITCHARD
248 W. PACHECO BLVD, SUITE B
LOS BANOS, CALIFORNIA 93635
PHONE: (209) 825-1775
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www.provostandpritchard.com

DESIGN ENGINEER:
STEVE SPENCER
LICENSE NO:
CE 54634

DRAFTED BY:
LAJ

CHECKED BY:
JMG

DATE: 05/02/2025

JOB NO: 350124010

PROJECT NO: 350124010

PHASE: DES

0" = 1"
ORIGINAL SCALE SHOWN IS ONE
INCH. ADJUST SCALE FOR
REDUCED OR ENLARGED PLANS.

SHEET
E100

11 OF 18

BID SET
05/02/2025

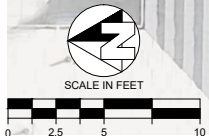
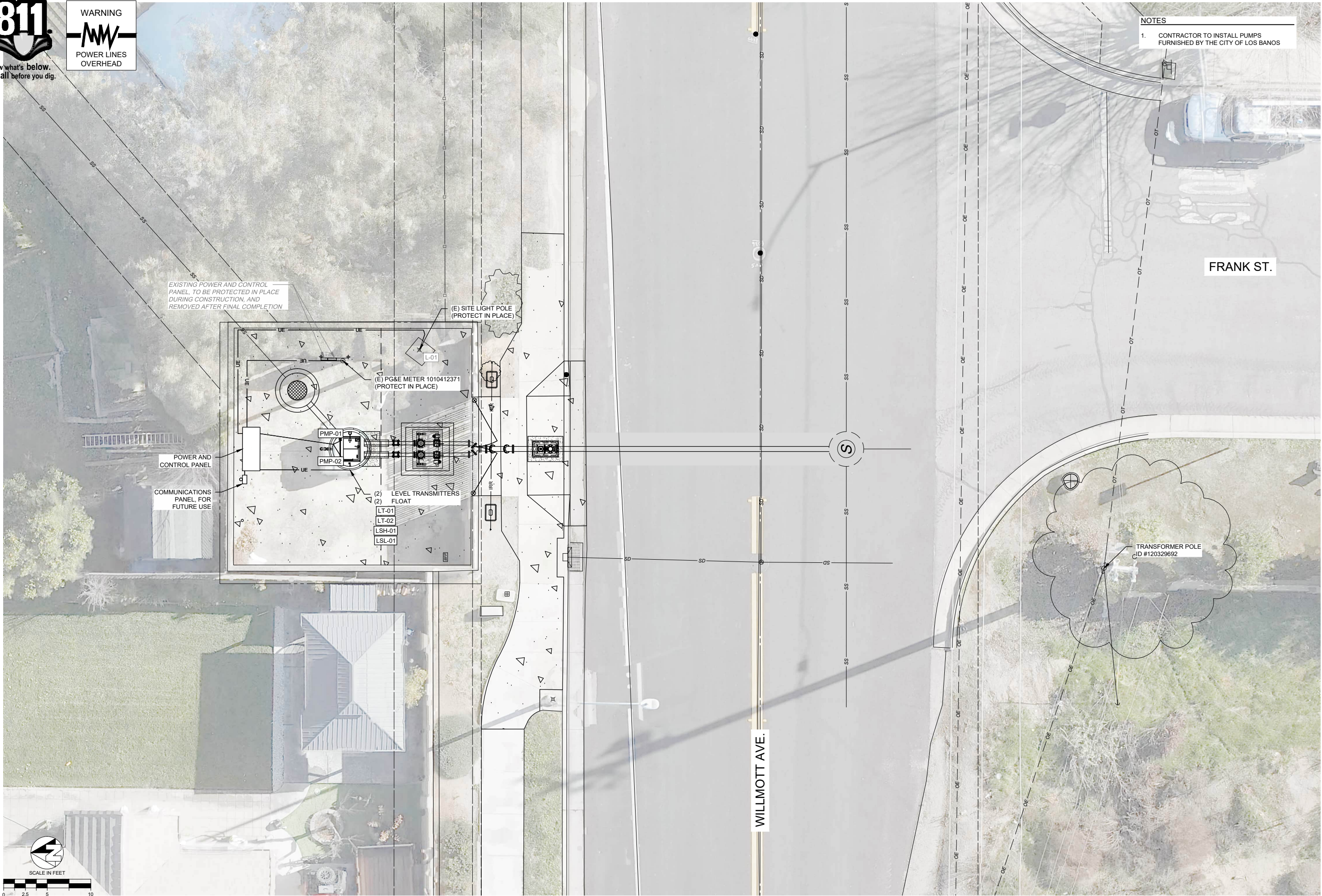
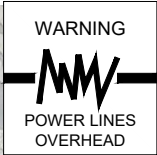
PROFESSIONAL ENGINEER
HANNAN CAMPBELL
No. 22847
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA
ELECTRICAL

DATE SIGNED: 5/2/2025

No. BY DATE

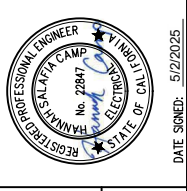
REVISION

5/2/2025 1:48 PM C:\Los Banos_City of 3501\350124010-Orchard Terrace SSLS Single Line Diagram and Load Schedule.dwg Dyan Morales



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BID SET
05/02/2025



**ORCHARD TERRACE SEWER LIFT STATION
REHABILITATION
CITY OF LOS BANOS
MERCED COUNTY
ELECTRICAL PLANS**

PROVOST & PRITCHARD
248 W. PACHECO BLVD., SUITE B
LOS BANOS, CALIFORNIA 93635
TEL: (209) 825-1675
FAX: (209) 825-1675
www.provostandpritchard.com

DESIGN ENGINEER:
STEVE SPENCER
LICENSE NO.:
CE 54634

DRAFTED BY:
LAJ

CHECKED BY:
JMG

DATE: 05/02/2025

JOB NO: 350124010

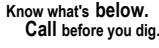
PROJECT NO: 350124010

PHASE: DES

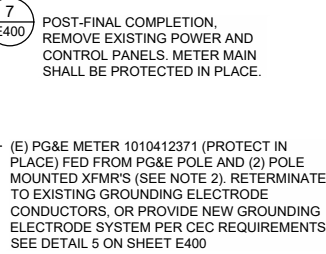
ORIGINAL SCALE SHOWN IS ONE INCH. ADJUST SCALE FOR REDUCED OR ENLARGED PLANS.

SHEET
E200

12 OF 18



POWER LINES
OVERHEAD



1. CONTRACTOR TO INSTALL PUMPS FURNISHED BY THE CITY OF LOS BANOS.
2. EXISTING PG&E METER AND MAIN TO BE PROTECTED IN PLACE. TERMINATE NEW CONDUCTORS IN EXISTING PG&E METER MAIN.
3. TERMINATE CONDUCTORS IN EXISTING POLE MOUNTED SITE LIGHT. CONTRACTOR SHALL VERIFY INTERCONNECTION DETAILS PRIOR TO MOBILIZATION AND SHALL DIRECT ANY INTERCONNECTION QUESTIONS TO OWNER.
4. PROVIDE SUPPORT FOR CABLES ROUTED IN WET WELL, TO ENSURE THEY ARE SUPPORTED AND NOT AT RISK OF DAMAGE.
5. P-005 IS LOCATED INSIDE OF THE POWER AND CONTROL PANEL, TO PROVIDE POWER TO RECEPTACLE.



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DATE SIGNED: 5/2/2025

ORCHARD TERRACE SEWER LIFT STATION
REHABILITATION
CITY OF LOS BANOS
MERCED COUNTY
ELECTRICAL PLANS

SITE PLAN

L201

13 OF 18

CONDUIT AND CABLE SCHEDULE - POWER										
CONDUIT ID	CONDUIT ROUTING		VOLTAGE	PHASE CONDUCTORS		NEUTRAL		GROUND		CONDUIT SIZE
	FROM	TO		COUNT	SIZE	COUNT	SIZE	COUNT	SIZE	
P-001	UTILITY SERVICE ENTRANCE METER	POWER & CONTROL PANEL	240VAC	3	3 / 0	1	3 / 0	1	4	3"
P-002	POWER & CONTROL PANEL	PMP-01	240VAC	3	12	-	14	1	12	1"
P-003	POWER & CONTROL PANEL	PMP-02	240VAC	3	12	-		1	12	1"
P-004	POWER & CONTROL PANEL	L-01	120VAC	1	12	1	12	1	12	3/4"
P-005	POWER & CONTROL PANEL	POWER & CONTROL PANEL RECEPTACLE	120VAC	1	12	1	12	1	12	3/4"

CONDUIT AND CABLE SCHEDULE - SIGNAL						
CONDUIT ID	CONDUIT ROUTING		VOLTAGE	CONDUCTORS		CONDUIT SIZE
	FROM	TO		COUNT	SIZE	
S-001	POWER & CONTROL PANEL	LT-01	24VDC	1	16 AWG/2 PAIR	1.5"
S-002	POWER & CONTROL PANEL	LT-02		1	16 AWG/2 PAIR	1.5"
S-003	POWER & CONTROL PANEL	LSH-01		1	16 AWG/2 PAIR	1.5"
S-004	POWER & CONTROL PANEL	LSL-01		1	16 AWG/2 PAIR	1.5"
S-005	POWER & CONTROL PANEL	COMMUNICATIONS CABINET	-	1	CAT6	1"

NOTES

1.
- CONTRACTOR SHALL PROVIDE ALL WIRING AND DEVICES IN POWER & CONTROL PANEL, TO ALLOW FOR INTERCONNECTION OF ALL ELEMENTS.

ORCHARD TERRACE SEWER LIFT STATION

REHABILITATION

CITY OF LOS BANOS

MERCED COUNTY

ELECTRICAL PLANS

ELECTRICAL SCHEDULES

PROVOST & PRITCHARD

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LOS BANOS, CALIFORNIA 93635

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DESIGN ENGINEER:

STEVE SPENCER

LICENSE NO:

CE 54634

DRAFTED BY:

LAJ

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JMG

DATE:

05/02/2025

JOB NO:

350124010

PROJECT NO:

350124010

PHASE:

DES

0

1"

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

SHEET

E300

14

OF

18

BID SET

05/02/2025

REGISTERED PROFESSIONAL ENGINEER

HANNY SALAZAR CAMP

No. 22847

ELECTRICAL

STATE OF CALIFORNIA

DATE SIGNED:

5/2/2025

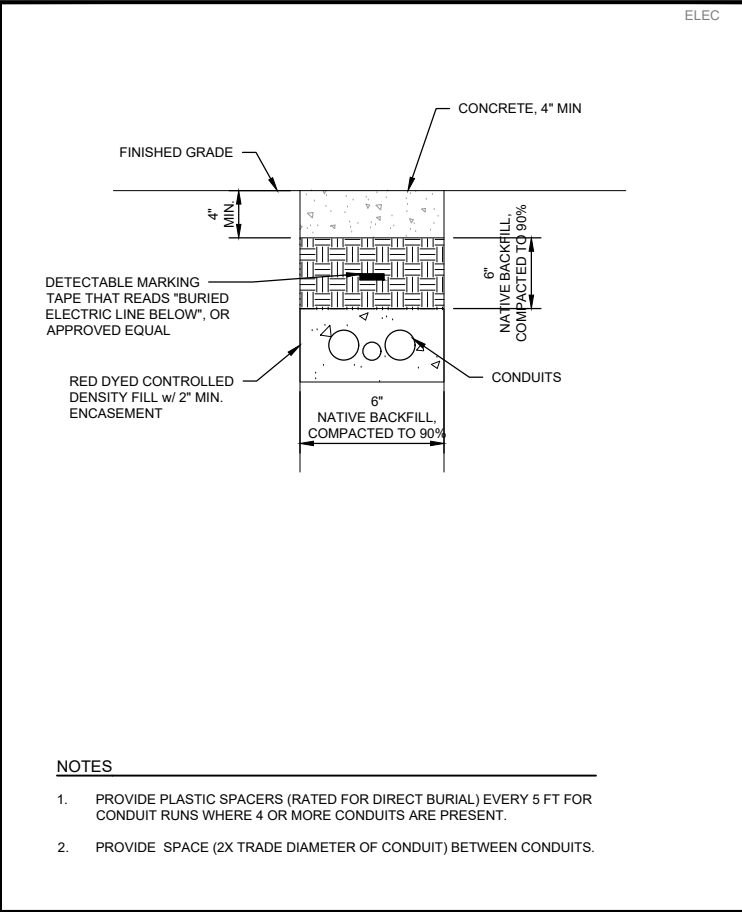
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BY

DATE

No.

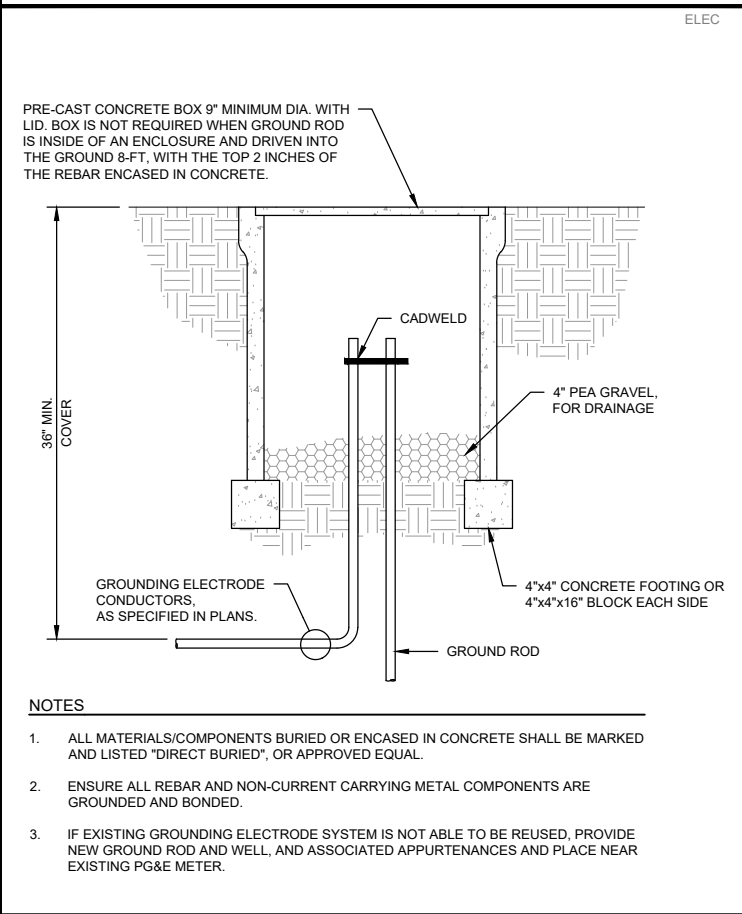
5/2/2025 1:47 PM C:\Users\Banos_City of 3501\350124010-Orchard Terrace SSLS Sewer Electrical Plans\SSLS00 Electrical Schedules.dwg - Dylan Morales



1 CONCRETE ENCASED CONDUITS

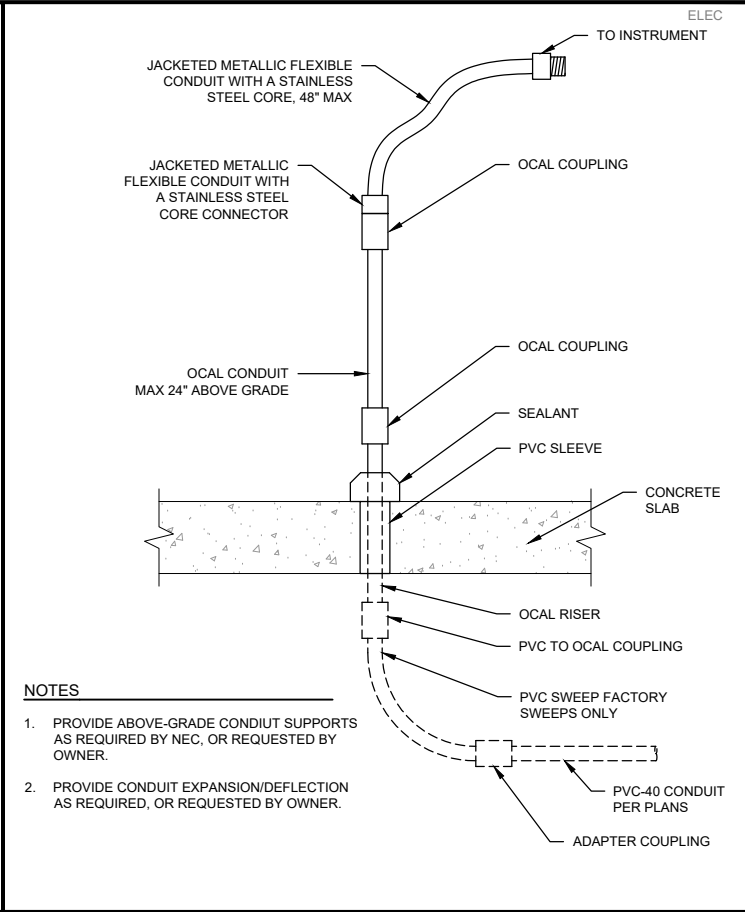
E400

SCALE: 1 1/2" = 1'-0"



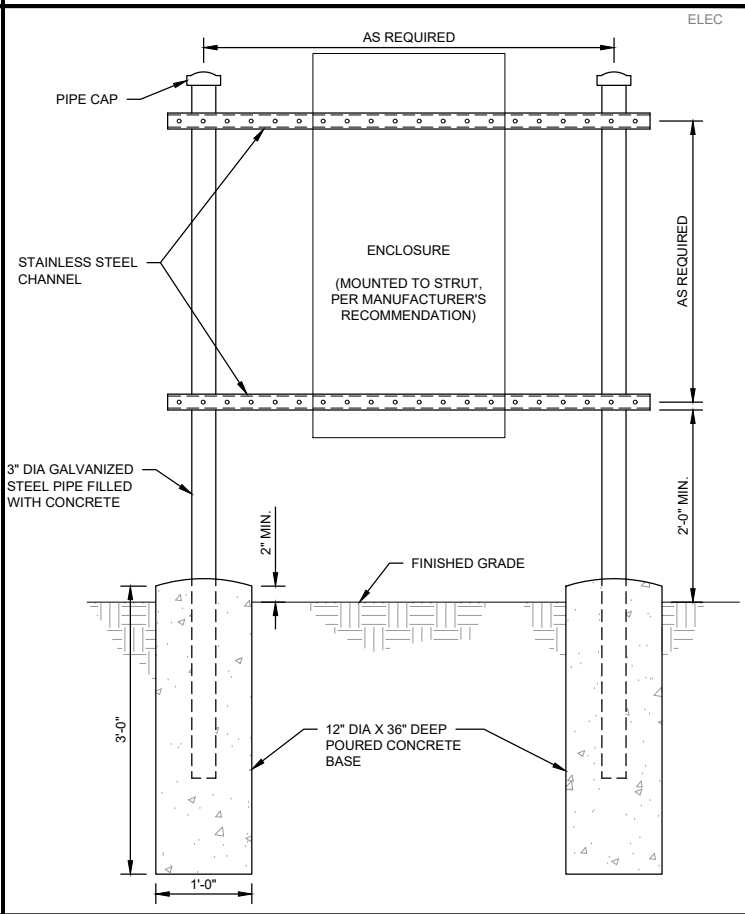
5 GROUND ROD AND WELL

E400



2 CONDUIT TRANSITION PVC TO RGS

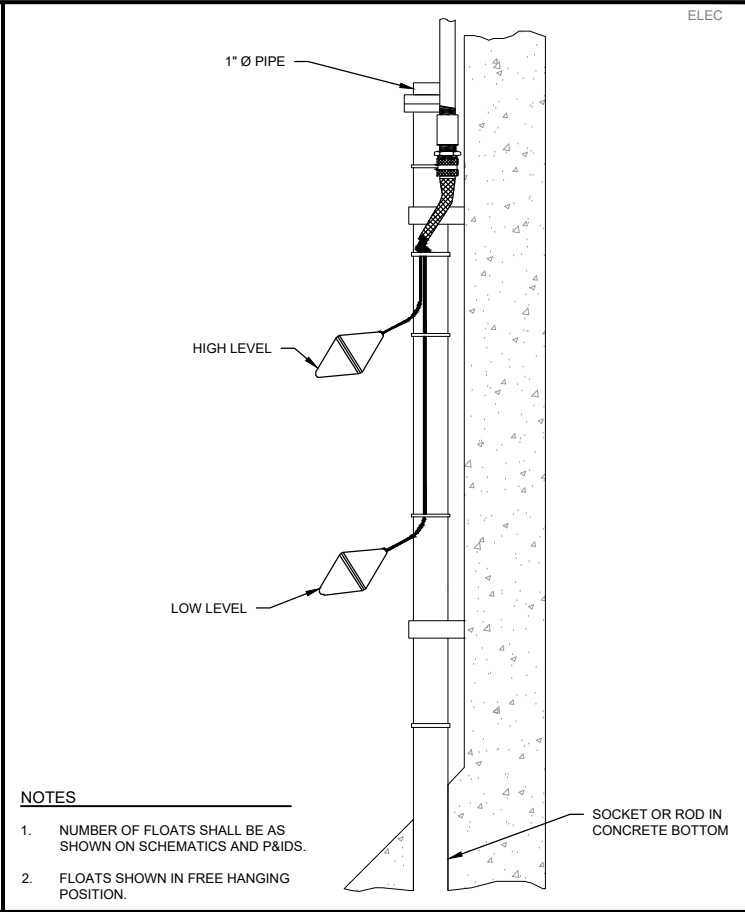
E400



6 ENCLOSURE MOUNTED ON STRUT AND POSTS

E400

SCALE: 1" = 1'-0"



3 FLOAT SWITCH INSTALLATION

E400

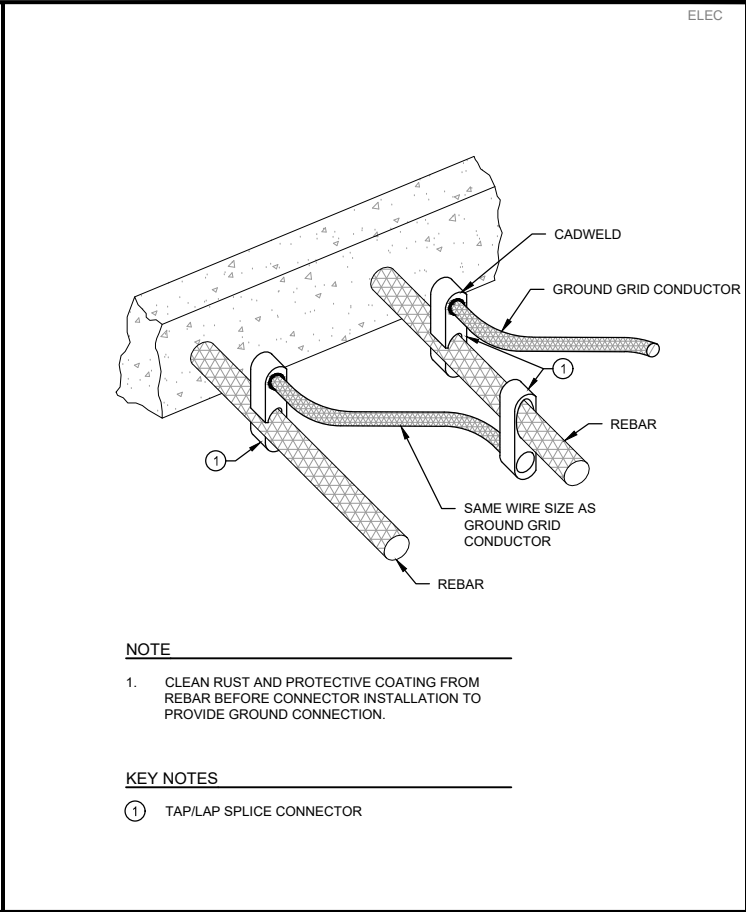
SCALE: 1 1/2" = 1'-0"



7 EXISTING PG&E METER AND POWER AND CONTROL PANELS

E400

NOT TO SCALE



4 REBAR GROUNDING

E400

SCALE: 1 1/2" = 1'-0"

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BID SET
05/02/2025

PROFESSIONAL ENGINEER
RECEIVED
ALABAMA
No. 22847
ELECTRICAL
STATE OF ALABAMA

DATE SIGNED: 5/2/2025

ORCHARD TERRACE SEWER LIFT STATION
REHABILITATION
CITY OF LOS BANOS
MERCED COUNTY
ELECTRICAL PLANS

DETAILS

DESIGN ENGINEER:
STEVE SPENCER
LICENSE NO:
CE 54634

DRAFTED BY:
LAJ

CHECKED BY:
JMG

DATE: 05/02/2025

JOB NO: 350124010

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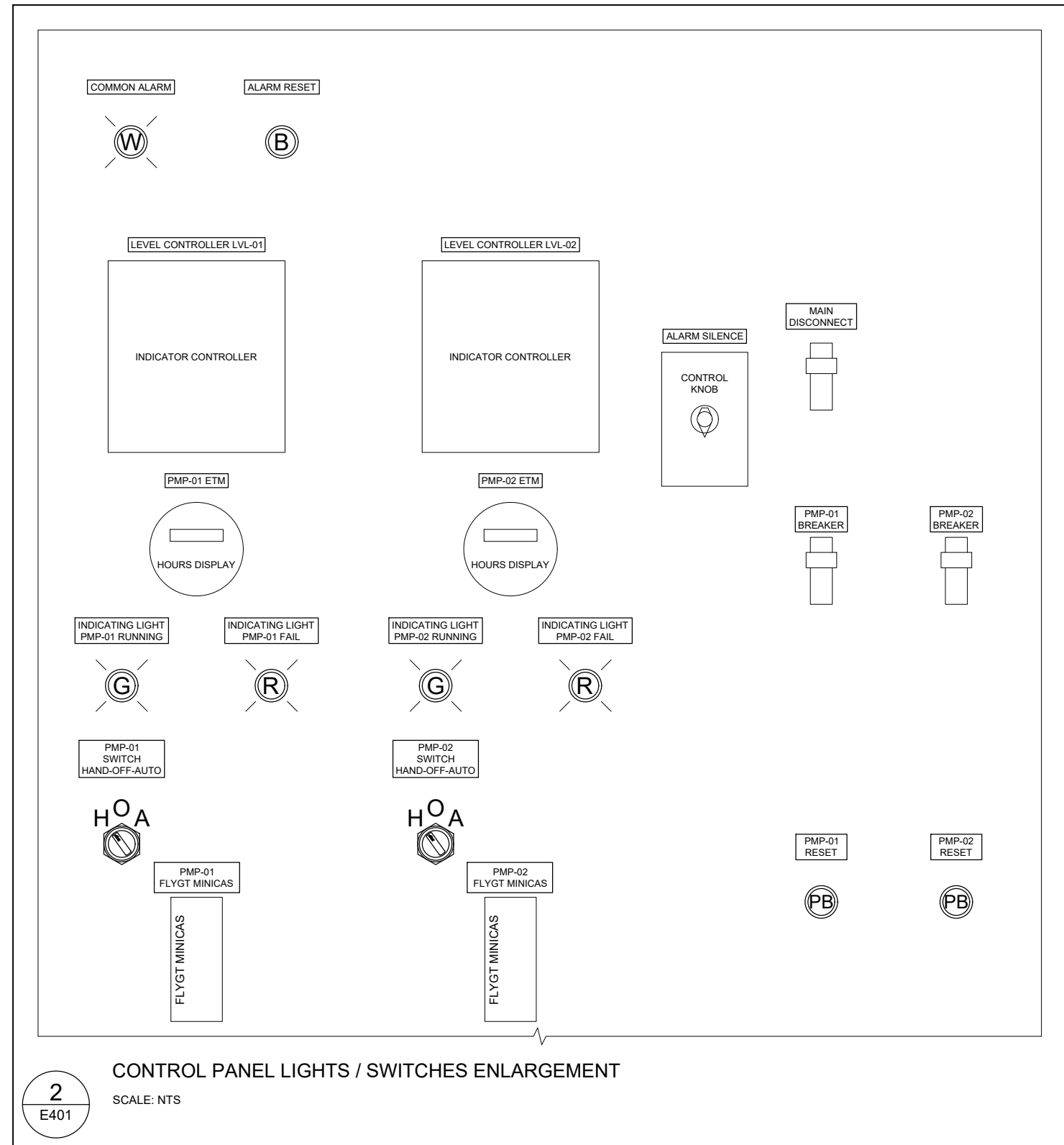
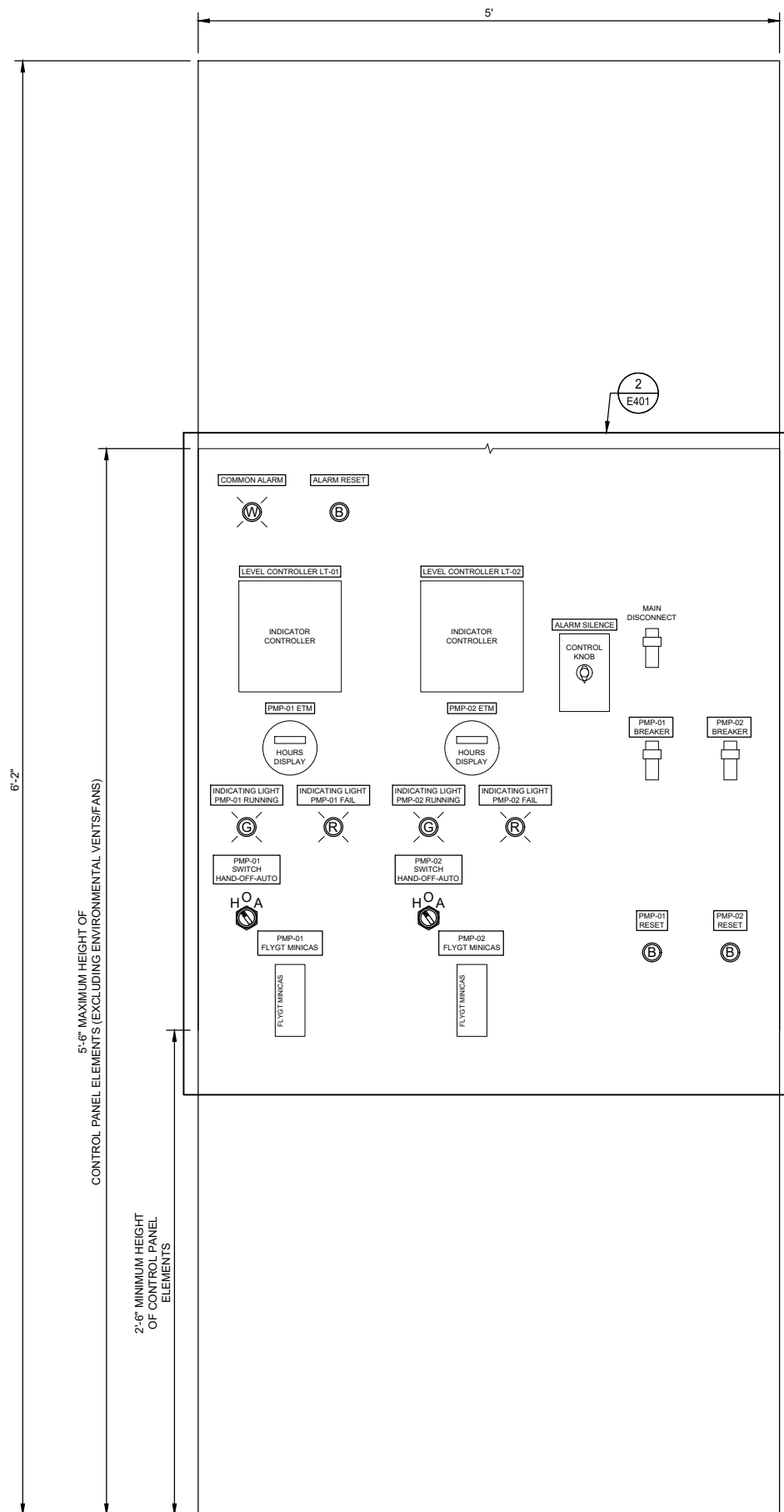
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ORIGINAL SCALE SHOWN IS ONE INCH. ADJUST SCALE FOR REDUCED OR ENLARGED PLANS.

SHEET
E400

15 OF 18

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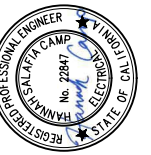


NOTES

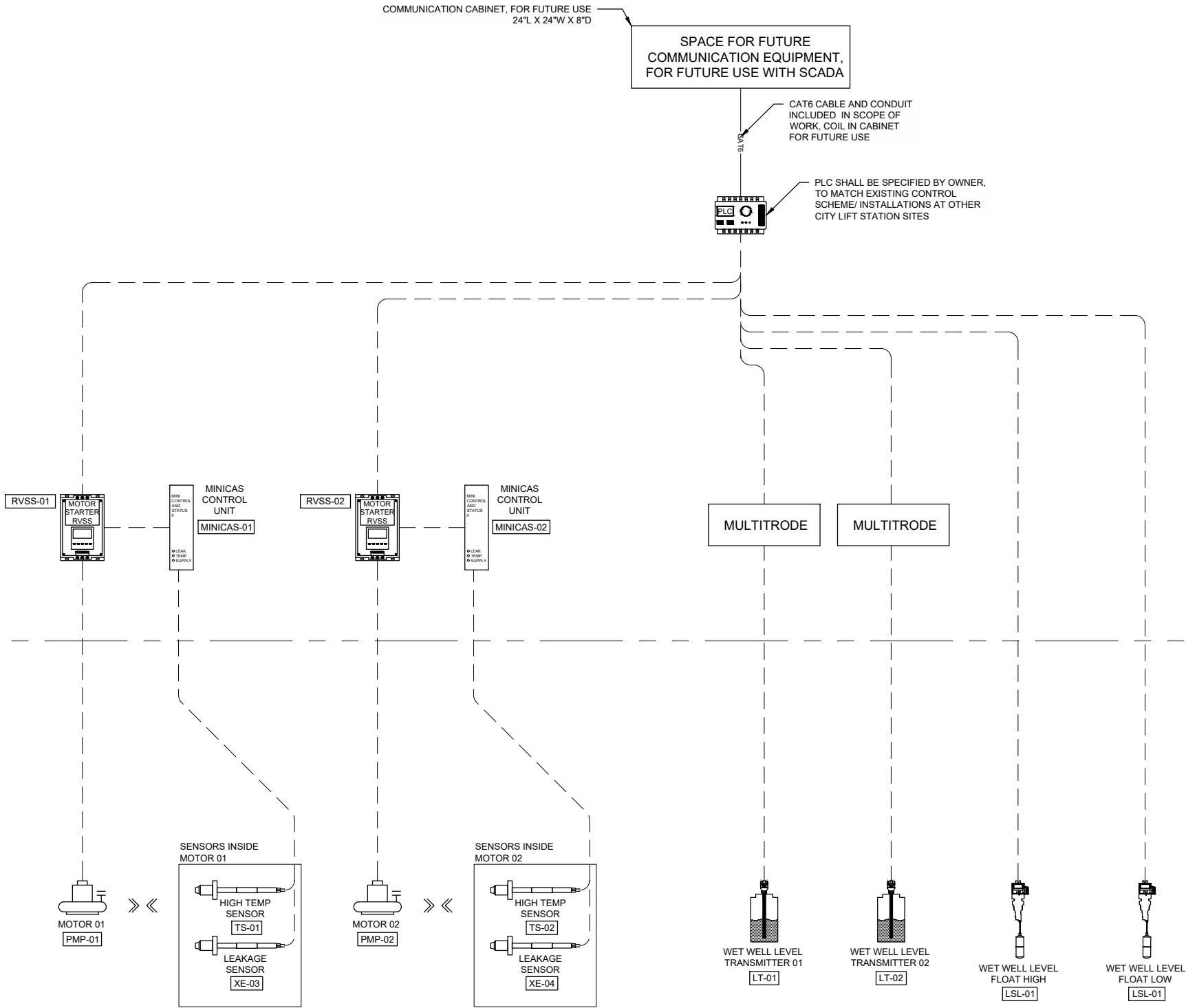
1. CONTRACTOR SHALL PROVIDE CABINET HEATING/COOLING/CIRCULATION ELEMENTS, TO ENSURE CONTROL ELEMENTS ARE OPERATING WITHIN ENVIRONMENTAL CONDITIONS.
2. PROVIDE A DEADFRONT DOOR ON CABINET, TO PROTECT CONTROL ELEMENTS.
3. CONTRACTOR SHALL PROVIDE ALL WIRING AND DEVICES IN POWER & CONTROL PANEL, TO ALLOW FOR INTERCONNECTION OF ALL ELEMENTS.

CONTROL PANEL

SCALE: NTS



CONTROL PANEL
FIELD INSTRUMENTS

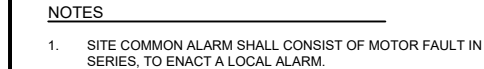


NOTES

1. CONTRACTOR SHALL PROVIDE ALL WIRING AND DEVICES IN POWER & CONTROL PANEL, TO ALLOW FOR INTERCONNECTION OF ALL ELEMENTS.

ORCHARD TERRACE SEWER LIFT STATION REHABILITATION CITY OF LOS BANOS MERCED COUNTY ELECTRICAL PLANS NETWORK DIAGRAM				BID SET 05/02/2025		COPYRIGHT 2025 by PROVOST & PRITCHARD ENGINEERING The firm of Provost & Pritchard Engineering Group, Inc. expressly reserves all common law copyright and other applicable property rights in and to the drawings, specifications, and any other documents or materials created by or for the firm of Provost & Pritchard Engineering Group, Inc. and/or its employees, consultants, or subcontractors. No part of this document may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage and retrieval system, without the prior written permission of the firm of Provost & Pritchard Engineering Group, Inc. The firm of Provost & Pritchard Engineering Group, Inc. shall be held harmless and shall bear the cost of providing and enforcing these rights.	
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SHEET E500		17		OF		18	

POWER AND CONTROL PANEL

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