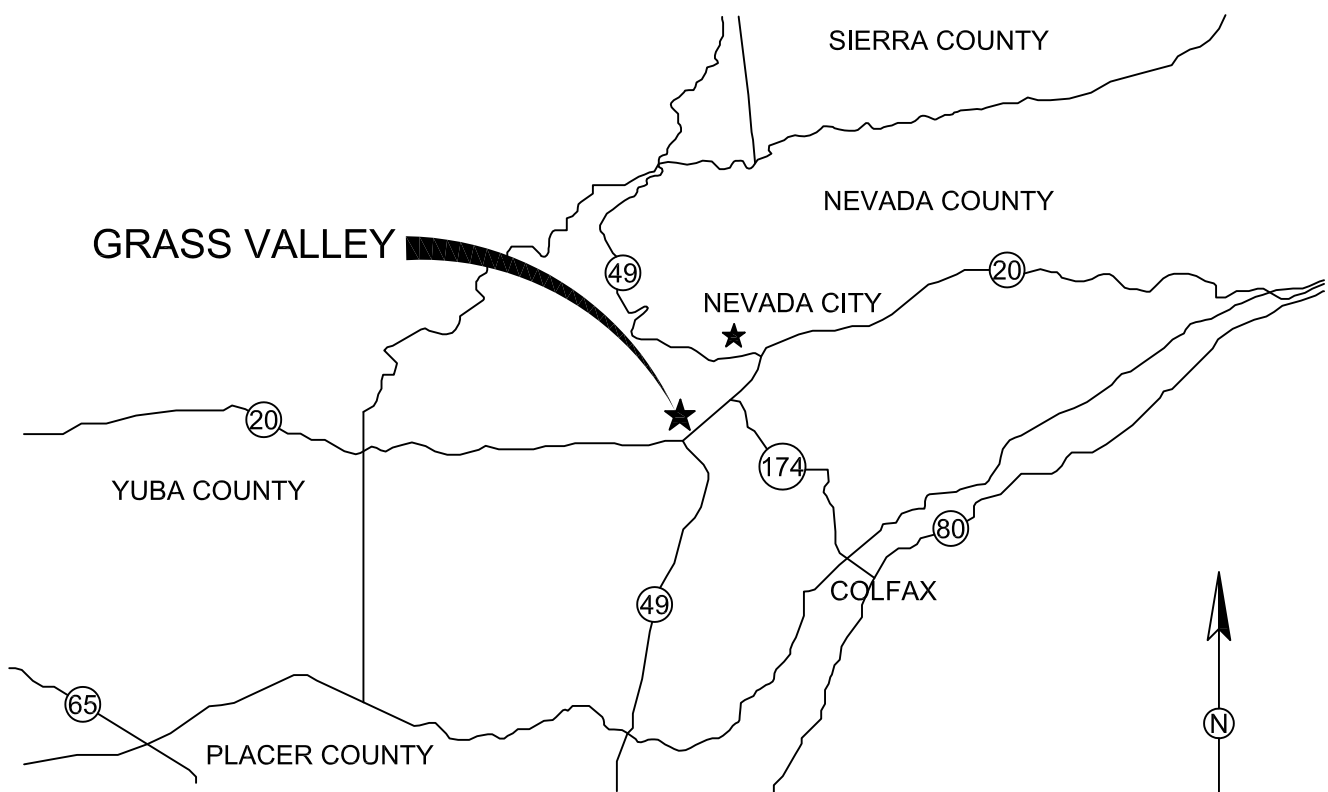


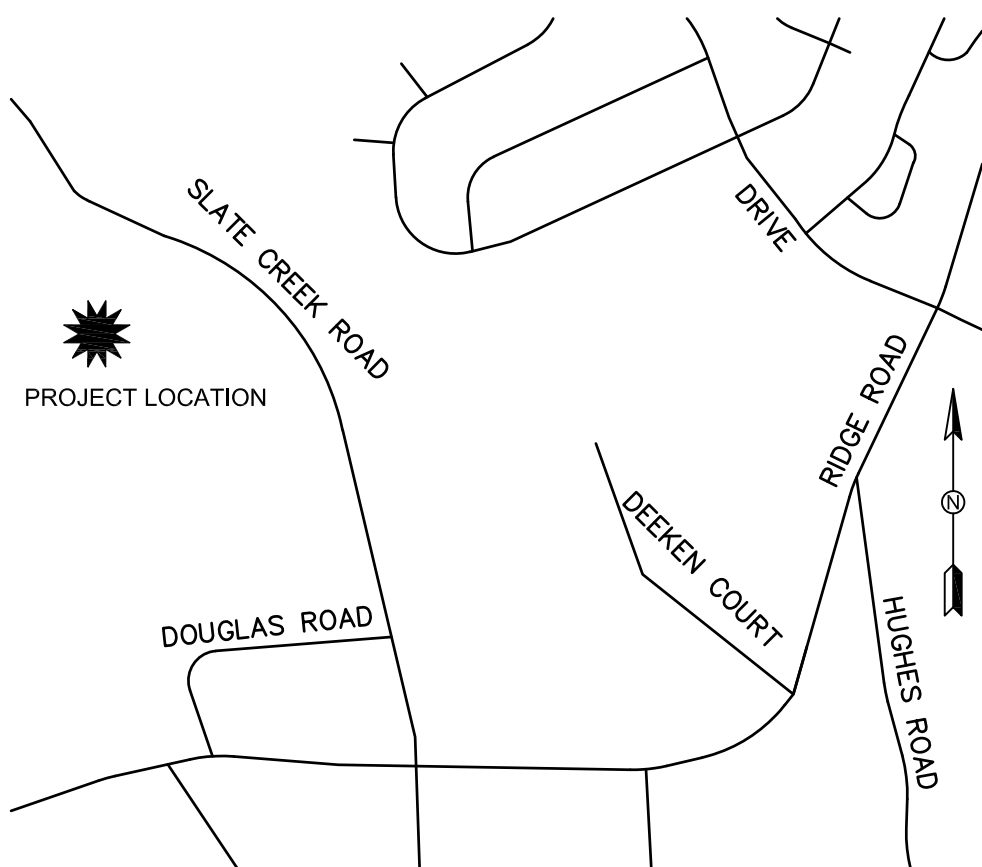
CITY OF GRASS VALLEY
ENGINEERING DIVISION
IMPROVEMENT PLANS FOR

SLATE CREEK LIFT STATION
PUMP REPLACEMENT PROJECT

PROJECT NO. 17-09



VICINITY MAP
NO SCALE



LOCATION MAP
NO SCALE

CONSTRUCTION LEGEND:

10+00	11+00	12+00	
			STATION LINE
			(E) CURB; DIKE; DRIVEWAY
			(E) WALL
			(E) FENCE
			LOT/ROW LINE
			EASEMENT LINE
			(E) GAS
			(E) SEWER AND SIZE
			(E) STORM DRAIN AND SIZE
			(E) TELEPHONE
			(E) WATER
			DRAINAGE INLET
			FIRE HYDRANT
			WATER METER BOX
			MANHOLE (SS, SD, TEL, ELEC)
			VALVE (GAS, TEL, ARV, WTR)
			GUY POLE
			GUY WIRE
			LIGHT POST
			POLE
			SINGLE POLE SIGN
			MAILBOX
			TREE
			BENCHMARK
			(P) SPOT ELEVATION
			DENOTES STD PLAN NO/DETAIL NO
			CONSTRUCTION KEYNOTE

SHEET INDEX:

1. TITLE SHEET
2. SITE PLAN
3. DEMOLITION PLAN
4. CONSTRUCTION PLAN
5. WET WELL AND VALVE DETAILS
6. DETAILS

ABBREVIATIONS:

AB	AGGREGATE BASE	PCC	PORTLAND CEMENT CONCRETE
AC	ASPHALT CONCRETE	P	PROPOSED
C&G	CURB AND GUTTER	PSI	POUNDS PER SQUARE INCH
CF	CUBIC FOOT	PUE	PUBLIC UTILITY EASEMENT
CY	CUBIC YARD	PVC	POLYVINYL CHLORIDE
E	ELECTRIC	PVMT	PAVEMENT
(E)	EXISTING	R	RADIUS
ELEV	ELEVATION	RCP	REINFORCED CONCRETE PIPE
EP	EDGE OF PAVEMENT	RW	RETAINING WALL
FL	FLOW LINE	ROW	RIGHT OF WAY
FT	FEET	SD	STORM DRAIN
FTG	FOOTING	SF	SQUARE FOOT
G	GAS	SY	SQUARE YARD
ID	INSIDE DIAMETER	ST	STREET
IE	INVERT ELEVATION	STA	STATION
L	LEFT	STD	STANDARD
LF	LINEAR FOOT	SW	SIDEWALK
MAX	MAXIMUM	SS	SANITARY SEWER
MH	MANHOLE	TBC	TOP BACK OF CURB
MIN	MINIMUM	TBW	TOP BACK OF WALK
MISC	MISCELLANEOUS	TFC	TOP FACE OF CURB
NO	NUMBER	TC	TOP OF CURB
NTS	NOT TO SCALE	TP	TELEPHONE POLE
OD	OUTSIDE DIAMETER	TS	TRAFFIC SIGNAL
		TYP	TYPICAL

NOTES:

1. THE CONTRACTOR SHALL POSSESS A VALID CALIFORNIA CLASS A CONTRACTORS LICENSE, OR A COMBINATION OF THE FOLLOWING CLASSES, (C-8 - CONCRETE CONTRACTOR, C10 - ELECTRICAL CONTRACTOR, C12 - EARTHWORK AND PAVING CONTRACTOR, C34 - PIPELINE CONTRACTOR, C36 - PLUMBING CONTRACTOR, C-42 SANITATION SYSTEM CONTRACTOR, AND D63 - CONSTRUCTION CLEANUP) AT THE TIME OF THE BID AWARD, AND THE LICENSE SHALL REMAIN IN EFFECT THROUGHOUT THE TERM OF THIS CONTRACT.
2. THE CONSTRUCTION METHODS AND MATERIALS SHALL CONFORM TO LATEST EDITIONS OF THE STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS AND STANDARD PLANS, THE IMPROVEMENT STANDARDS AND STANDARD DRAWINGS OF THE CITY OF GRASS VALLEY AND THE CALIFORNIA MUTCD. IN CASE OF CONFLICT, REFER TO THE PROJECT SPECIAL PROVISIONS FOR ORDER OF PRECEDENCE.
3. THE CITY OF GRASS VALLEY HAS MADE EVERY EFFORT TO SHOW LOCATIONS OF ANY AND ALL EXISTING SURFACE AND SUBSURFACE STRUCTURES. HOWEVER, ACTUAL FIELD CONDITIONS AND LOCATIONS CAN VARY CONSIDERABLY FROM PLAN LOCATIONS. THEREFORE, THE CITY OF GRASS VALLEY CANNOT, AND DOES NOT, ASSUME RESPONSIBILITY OF THE EXISTENCE OR LOCATION OF ANY STRUCTURE SUCH AS, BUT NOT LIMITED TO, UTILITIES, PIPELINES AND SEWERS. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING ALL AGENCIES AND/OR OWNERS TO VERIFY THIS INFORMATION PRIOR TO AND DURING CONSTRUCTION OF IMPROVEMENTS SHOWN HEREON, AND TO CONTACT THE ENGINEER IN THE EVENT OF ANY SIGNIFICANT DISCREPANCY.
4. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE LOCATION OF, AND PROTECTING ALL EXISTING UTILITIES AND REPAIRING DAMAGE TO EXISTING UTILITIES. THE CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT (1-800-227-2600) TWO WORKING DAYS PRIOR TO COMMENCEMENT OF EXCAVATION.

RECORD DRAWINGS NOTE:

ALL INFORMATION SHOWN ON THESE PLANS HAS BEEN PREPARED BY, OR UNDER THE DIRECTION OF, THE UNDERSIGNED ENGINEER. ADJUSTMENTS MADE IN THE FIELD DURING CONSTRUCTION ARE INCLUDED HEREIN AND ARE BASED UPON FIELD OBSERVATIONS MADE UNDER THE DIRECTION OF OR BY THE UNDERSIGNED AND/OR INFORMATION RECEIVED FROM THE CITY CONSTRUCTION INSPECTOR, PROJECT CONTRACTORS AND OTHER SOURCES WHEN THE ENGINEER IS ADVISED IN WRITING OF SUCH ADJUSTMENTS. THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, CHANGES TO THESE PLANS NOT AUTHORIZED BY THE ENGINEER. ADJUSTMENTS MADE IN THE FIELD WERE NOT SURVEYED AND THE ACCURACY OF THESE DRAWINGS WITH RESPECT TO THOSE ADJUSTMENTS IS NOT GUARANTEED BY THE ENGINEER OR THE CITY OF GRASS VALLEY; FIELD VERIFICATION OF ALL IMPROVEMENTS IS RECOMMENDED.

DATE ENGINEER SIGNATURE
(STAMP OR SEAL)

CITY CLERK			"APPROVED BY THE CITY COUNCIL OF THE CITY OF GRASS VALLEY THE 14TH DAY OF Aug 2025."
CITY ENGINEER	75378	8/14/25	
PROJECT ENGINEER	787278	8/14/2025	

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CITY OF GRASS VALLEY ENGINEERING DIVISION

SLATE CREEK LIFT STATION
PUMP REPLACEMENT PROJECT
TITLE SHEET



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2146

SHEET NUMBER:
1 OF 6

REVISIONS

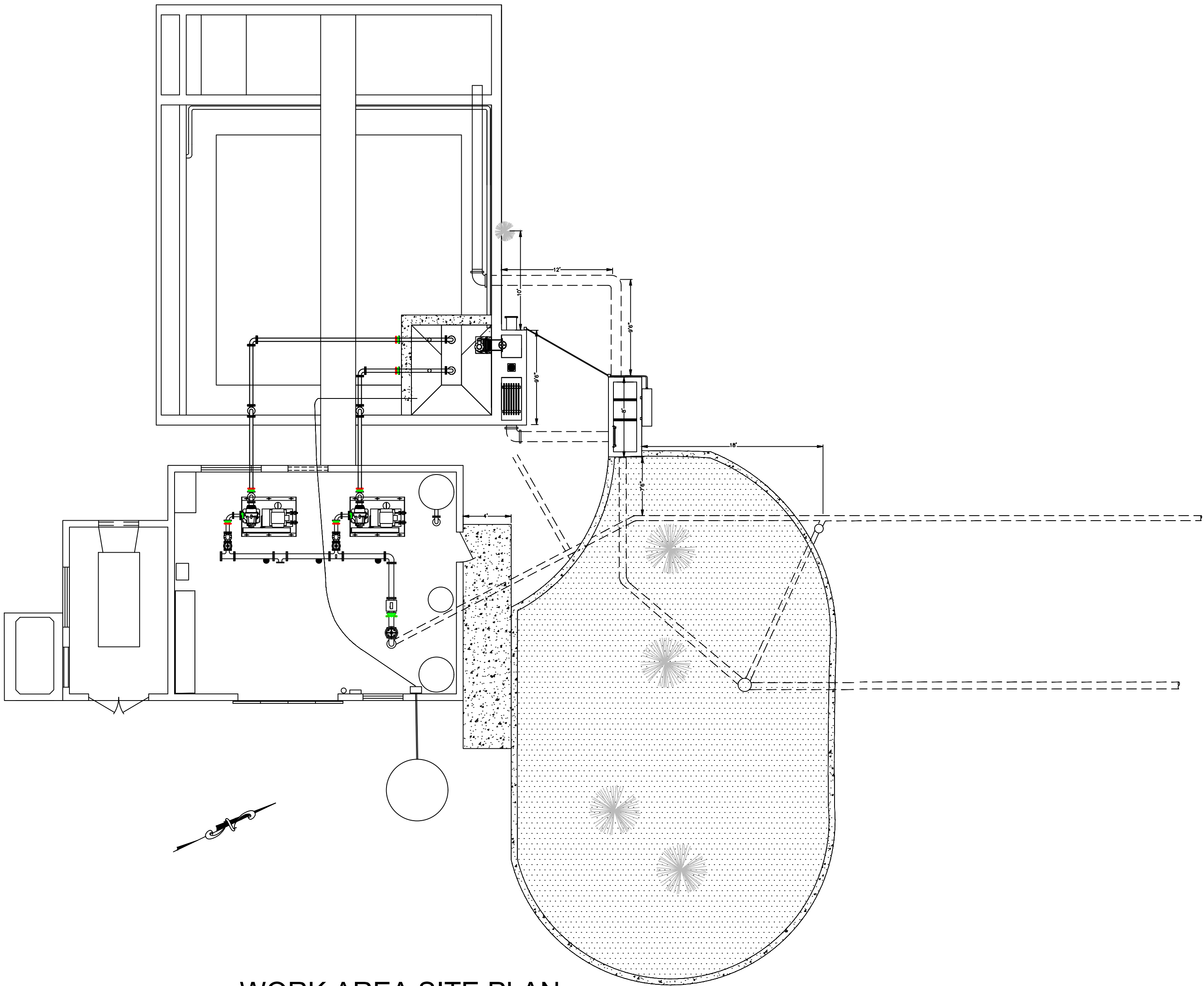
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PROJECT NUMBER:
17-09



LIFT STATION LOCATION



WORK AREA SITE PLAN

NOTES

- 1. THE CURRENT LIFT STATION WAS PREVIOUSLY A TREATMENT PLANT AND WAS MODIFIED IN THE PAST.
- 2. THE EXISTING WET WELL WAS CREATED BY SECTIONING OFF A CORNER OF THE ORIGINAL WET WELL.
- 3. GRAVITY PUMPS ARE LOCATED IN THE BUILDING. ALL PIPING FROM THE WET WELL TO THE PUMPS IN THE BUILDING IS ABOVE GROUND.
- 4. THERE IS ABOVE GROUND PIPING IN THE BUILDING UNTIL THE TWO PUMPS CONVERGE TO TRANSITION TO UNDERGROUND PIPING.
- 5. EXISTING BIOXIDE TANK LOCATED OUTSIDE THE BUILDING WILL REMAIN IN USE. BIOXIDE PUMP INSIDE BUILDING WILL REMAIN IN USE. CURRENTLY, THE BIOXIDE IS CONVEYED THROUGH A VINYL TUBE THAT IS LAID ON THE GROUND IN THE BUILDING AND ROUTED THROUGH THE LOUVERED WINDOW WHERE IT IS DROPPED INTO THE OPEN TOPPED WET WELL.
- 6. THE INVERT FOR THE 15" GRAVITY SEWER MAIN COMING INTO THE MANHOLE IN THE PLANTER IS 48" BELOW THE RIM.
- 7. THERE IS RAILING ALONG THE TOP OF THE WALL SURROUNDING THE ENTIRE ORIGINAL WET WELL AND CLARIFIER THAT IS NOT SHOWN ON THE PLANS.
- 8. ALL ELECTRICAL EQUIPMENT CONTROLLING THE PUMPS IS IN THE ELECTRICAL CABINET IN THE BUILDING. THE ELECTRICAL LOCATED AT THE OVERFLOW STRUCTURE ONLY FEEDS THE GRINDER.

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CITY OF GRASS VALLEY ENGINEERING DIVISION

SLATE CREEK LIFT STATION
PUMP REPLACEMENT PROJECT
SITE PLAN

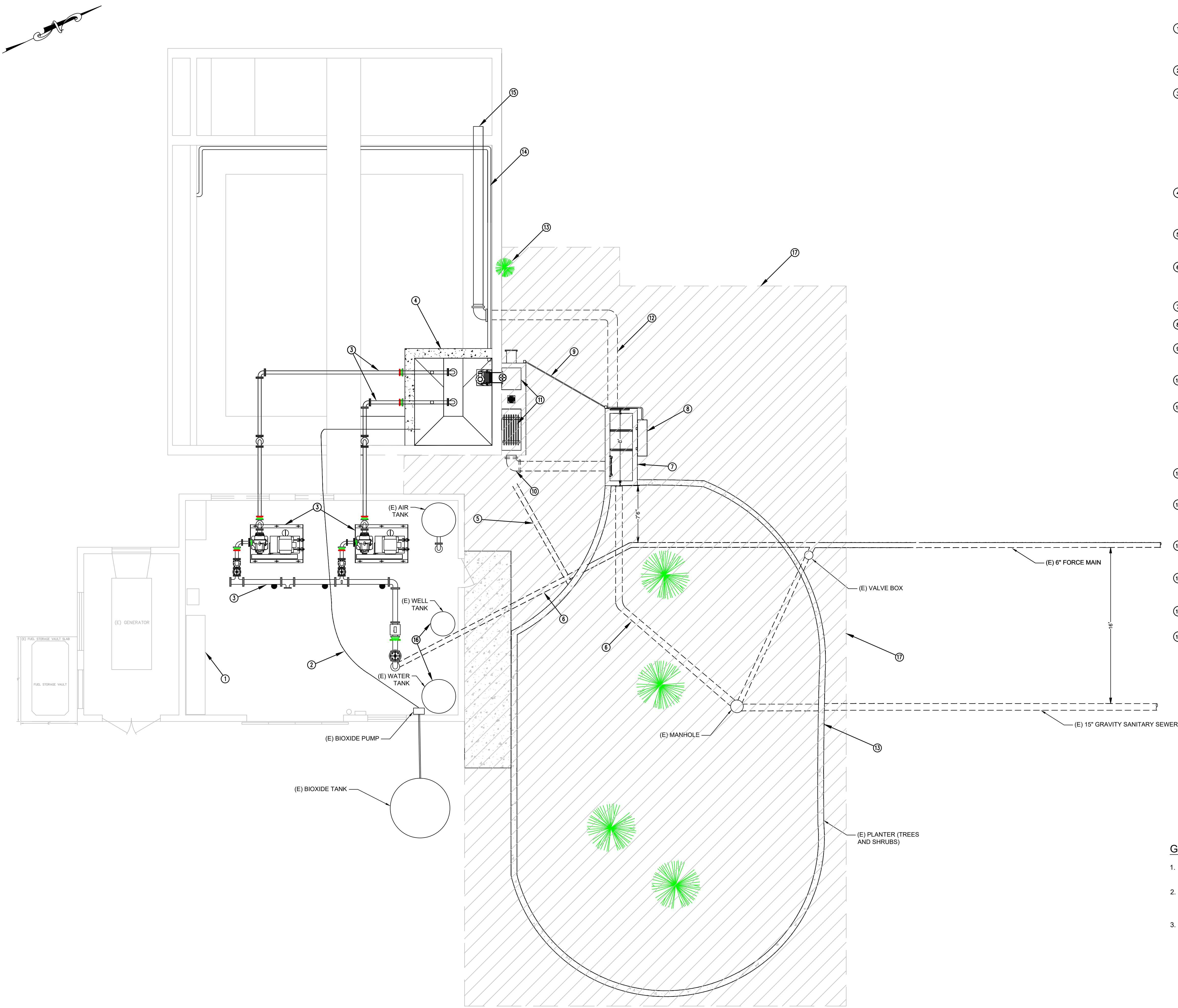


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PROJECT NUMBER:
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DEMOLITION PLAN
SCALE: 1"=5'

DEMOLITION NOTES

- 1 ELECTRICAL DEMO - UPON COMPLETION OF THE TEMPORARY BYPASS, CITY STAFF WILL REMOVE REUSABLE ELECTRICAL COMPONENTS PRIOR TO THE CONTRACTOR REMOVING THE REMAINING ELECTRICAL PANELS, THE AUTOMATIC TRANSFER SWITCH AND ALL ASSOCIATED WIRING.
- 2 BIOXIDE TUBING - REMOVE THE EXISTING TUBING THAT CONVEYS THE BIOXIDE TO THE WET WELL FROM THE BIOXIDE TANK.
- 3 GRAVITY PUMPS AND PIPING - REMOVE THE EXISTING GRAVITY PUMPS IN THE BUILDING AND ALL ABOVE GROUND PIPING. THE PIPES ORIGINATE AT THE BOTTOM OF THE WET WELL, PENETRATE THE WALL OF THE WET WELL AND ARE ATTACHED TO THE WALL OF THE LARGER BASIN FOR ENTRY INTO THE BUILDING WHERE THEY CONNECT TO THE GRAVITY PUMPS. THE FORCE MAIN TRANSITIONS FROM ABOVE GROUND TO UNDERGROUND INSIDE THE BUILDING. ALL ABOVEGROUND PIPING IS TO BE REMOVED, BUT THE UNDERGROUND PIPING IN THE BUILDING SHALL BE ABANDONED IN PLACE. THE PIPING IS TO BE REMOVED FLUSH WITH THE FLOOR SURFACE AND THE PIPING IS TO BE FILLED IN WITH CONCRETE TO ELIMINATE ANY TRIP HAZARDS.
- 4 WET WELL - REMOVE EXISTING CHAMFER FROM ALL FOUR SIDES OF THE WET WELL. REMOVE ALL PIPING THAT PENETRATES THE EXISTING WELL AND ALL EQUIPMENT INSTALLED IN THE WET WELL (INCLUDING SENSORS, FLOATS, ETC.).
- 5 DRAIN PIPE - THE EXISTING DUCTILE IRON DRAIN PIPE THAT COMES OUT OF THE PLANTER AREA AND DAYLIGHTS NEAR THE CORNER OF THE HEADWORKS IS TO BE REMOVED.
- 6 SEWER PIPING - ALL UNDERGROUND 6" FORCE MAIN PIPING AND 15" GRAVITY FEED PIPING THAT IS IN CONFLICT WITH REQUIRED IMPROVEMENTS SHALL BE REMOVED. ALL REMAINING UNDERGROUND PIPING CAN BE ABANDONED IN PLACE.
- 7 OVERFLOW STRUCTURE - REMOVE THE ENTIRE OVERFLOW STRUCTURE.
- 8 ELECTRIC BOX AT OVERFLOW STRUCTURE - REMOVE THE ELECTRIC BOX AND ALL ABOVEGROUND ASSOCIATED CONDUIT AND WIRING.
- 9 UG ELECTRIC CONDUIT - REMOVE THE UNDERGROUND ELECTRIC CONDUIT THAT PROVIDES POWER FROM THE PANEL AT THE OVERFLOW STRUCTURE TO THE GRINDER IN THE HEADWORKS.
- 10 GRAVITY FEED TO HEADWORKS - REMOVE THE UNDERGROUND PIPE FROM THE OVERFLOW STRUCTURE TO THE HEADWORKS.
- 11 HEADWORKS AND GRINDER - REMOVE THE EXISTING RAILING ACROSS THE TOP OF THE HEADWORKS AND RETAIN TO REINSTALL UPON COMPLETION OF THE IMPROVEMENTS. THE ENTIRE HEADWORKS STRUCTURE AND SEWAGE GRINDER SHALL BE REMOVED. PRIOR TO REMOVAL OF THE GRINDER, CITY STAFF WILL REMOVE ANY REUSABLE ITEMS. THE EXISTING TOP OF WALL HEIGHT AND WIDTH SHALL BE THE FINISHED HEIGHT AND WIDTH FOR THE AREA WHERE THE HEADWORKS IS REMOVED.
- 12 UNDERGROUND OVERFLOW PIPING - REMOVE THE OVERFLOW PIPING FROM THE OVERFLOW STRUCTURE TO THE PENETRATION INTO THE PREVIOUS WET WELL.
- 13 SHRUB AND PLANTER AREA - REMOVE THE SHRUB THAT HAS GROWN ALONG THE RAIL TO THE RIGHT OF THE HEADWORKS. THE ENTIRE PLANTER AREA AND ALL OF ITS CONTENTS (CONCRETE CURB, TREES, SHRUBS AND GROUND COVER) SHALL BE REMOVED.
- 14 3" RESTROOM CONDUIT ATTACHED IN WET WELL - REMOVE THE ENTIRE UNUSED EXISTING 3" SDR BATHROOM DRAIN THAT DROPS INTO THE TOP OF THE WET WELL.
- 15 OVERFLOW PIPE ATTACHED IN WET WELL - REMOVE THE PIPING THAT IS ATTACHED TO THE WALL OF THE PREVIOUS WET WELL THAT CURRENTLY TERMINATES IN THE CLARIFIER AREA.
- 16 REMOVE THE EXISTING WATER TANK AND THE WELL TANK AND ALL ASSOCIATED PIPING.
- 17 THE LIMITS OF THE HMA AND CONCRETE REMOVAL AS SHOWN ARE APPROXIMATE. EXACT LOCATIONS TO BE MARKED IN THE FILED AND APPROVED BY THE ENGINEER PRIOR TO STARTING DEMOLITION WORK. ALL HMA AND CONCRETE SHALL BE REMOVED TO A NEAT, STRAIGHT, SAWCUT EDGE AS DETERMINED BY THE ENGINEER. RUNOFF FROM SAWCUTTING OPERATIONS SHALL BE VACUUMED UP OR COMPLETELY CONTAINED AND PROPERLY DISPOSED OF.

GENERAL NOTES

1. THE CONTRACTOR IS RESPONSIBLE FOR CONTROLLING ALL SEWER FLOWS (INCLUDING INFLOW AND INFILTRATION) TO THE EXTENT NECESSARY TO CONSTRUCT THE IMPROVEMENTS SHOWN.
2. THE CONTRACTOR SHALL ACCURATELY LOCATE AND RECORD THE LOCATIONS OF ALL UTILITY BOXES, CLEANOUTS AND MANHOLES. A COPY OF THIS RECORD SHALL BE PROVIDED TO THE ENGINEER PRIOR TO PERFORMING ANY WORK.
3. ALL ITEMS TO BE REMOVED ARE TO BE DISPOSED OF AT THE CONTRACTOR'S EXPENSE (INCLUDING PUMPS, PIPING, ASPHALT, CONCRETE, VEGETATION, ETC.).

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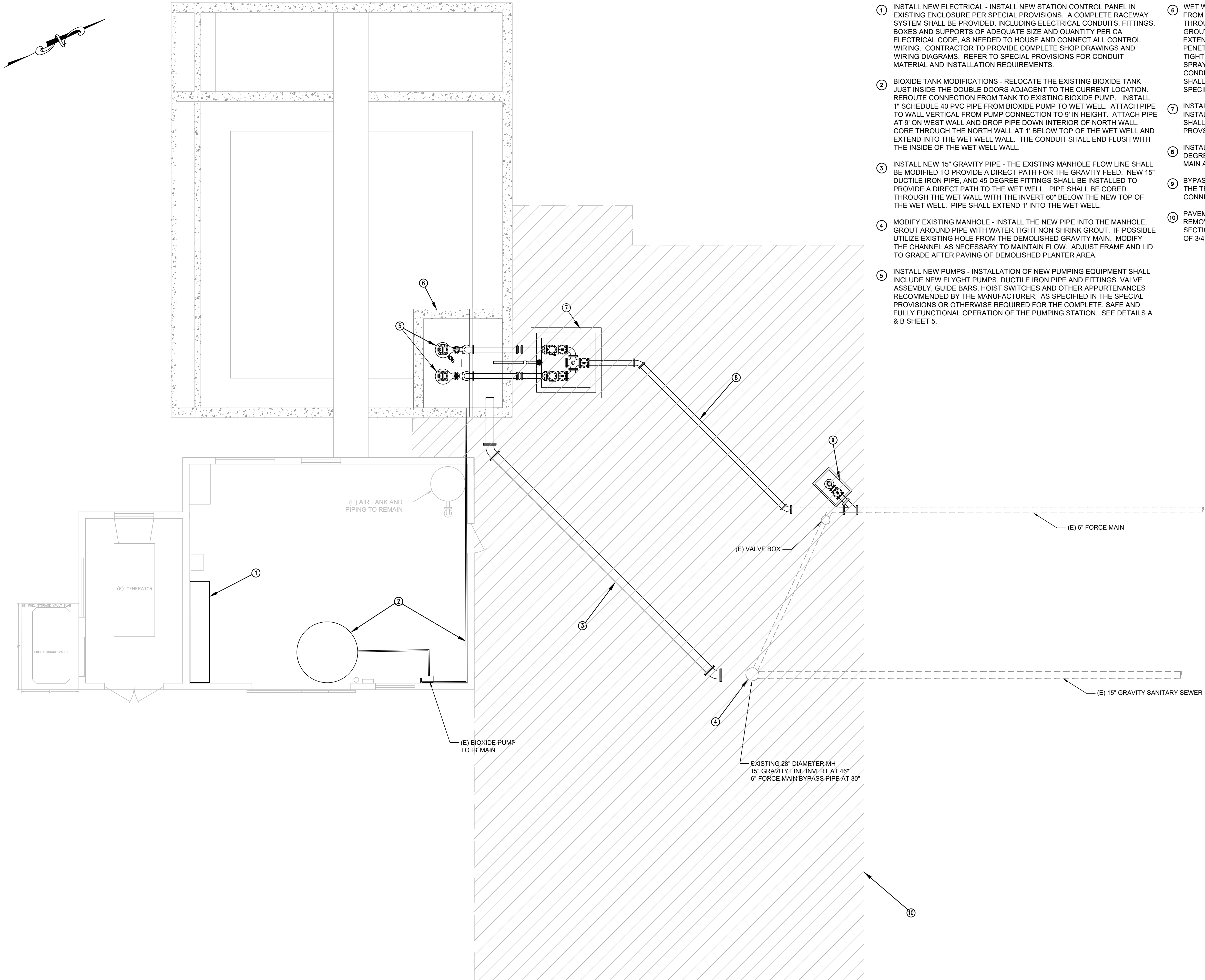


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CITY OF GRASS VALLEY ENGINEERING DIVISION
**SLATE CREEK LIFT STATION
PUMP REPLACEMENT PROJECT**
DEMOLITION PLAN



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CONSTRUCTION NOTES

1. INSTALL NEW ELECTRICAL - INSTALL NEW STATION CONTROL PANEL IN EXISTING ENCLOSURE PER SPECIAL PROVISIONS. A COMPLETE RACEWAY SYSTEM SHALL BE PROVIDED, INCLUDING ELECTRICAL CONDUITS, FITTINGS, BOXES AND SUPPORTS OF ADEQUATE SIZE AND QUANTITY PER CA ELECTRICAL CODE, AS NEEDED TO HOUSE AND CONNECT ALL CONTROL WIRING. CONTRACTOR TO PROVIDE COMPLETE SHOP DRAWINGS AND WIRING DIAGRAMS. REFER TO SPECIAL PROVISIONS FOR CONDUIT MATERIAL AND INSTALLATION REQUIREMENTS.
2. BIOXIDE TANK MODIFICATIONS - RELOCATE THE EXISTING BIOXIDE TANK JUST INSIDE THE DOUBLE DOORS ADJACENT TO THE CURRENT LOCATION. REROUTE CONNECTION FROM TANK TO EXISTING BIOXIDE PUMP. INSTALL 1\"/>

CONSTRUCTION NOTES - CONTINUED

6. WET WELL MODIFICATIONS - THE EXISTING CHAMFER SHALL BE REMOVED FROM THE BOTTOM OF THE WET WELL. ALL CURRENT PENETRATIONS THROUGH THE WET WELL WALLS SHALL BE REMOVED AND THE HOLES GROUTED. THE TWO INTERIOR WALLS OF THE WET WELL, SHALL BE EXTENDED 5' IN HEIGHT TO PROVIDE ADDITIONAL CAPACITY. ALL NEW PENETRATIONS SHALL BE CORED FOR CLEAN HOLES AND GROUTED WATER TIGHT WITH NON SHRINK GROUT. THE WET WELL SHALL BE COATED WITH A SPRAY EPOXY PROTECTIVE COATING AS SPECIFIED IN THE SPECIAL CONDITIONS. SEE DETAILS A & B SHEET 5. THE OPEN TOP OF THE WET WELL SHALL BE MODIFIED AS NEEDED TO ACCEPT A NEW ACCESS COVER AS SPECIFIED IN THE SPECIAL PROVISIONS.
7. INSTALL VALVE VAULT WITH COVER - A NEW 7'4\"/>

CONSTRUCTION PLAN

SCALE: 1\"/>

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CITY OF GRASS VALLEY ENGINEERING DIVISION

SLATE CREEK LIFT STATION
PUMP REPLACEMENT PROJECT
CONSTRUCTION PLAN



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GRADE 60 #4 REBAR TO BE DOWELED INTO EXISTING SURFACE TO A DEPTH OF 4" AT 12" ON CENTER, 3.5" IN FROM BOTH INNER AND OUTER EDGE. CONTINUOUS GRADE 60 #4 REBAR TO BE RUN 18", 36" AND 54" FROM TOP OF EXISTING WALL AND SHALL BE DOWELED INTO EXTERIOR WET WELL WALLS 4".

PROVIDE CABLE AND CHAIN HOLDERS IN APPROXIMATE LOCATIONS SHOWN.

SUBMERSIBLE LEVEL TRANSMITTER - SEE DETAIL A SHEET 6

(N) 15" MAIN CONNECTION - EXTEND 1' INTO WET WELL, GROUT AROUND PIPE

PUMPING ASSEMBLY AND BYPASS CONNECTION PLAN VIEW

(A)
5

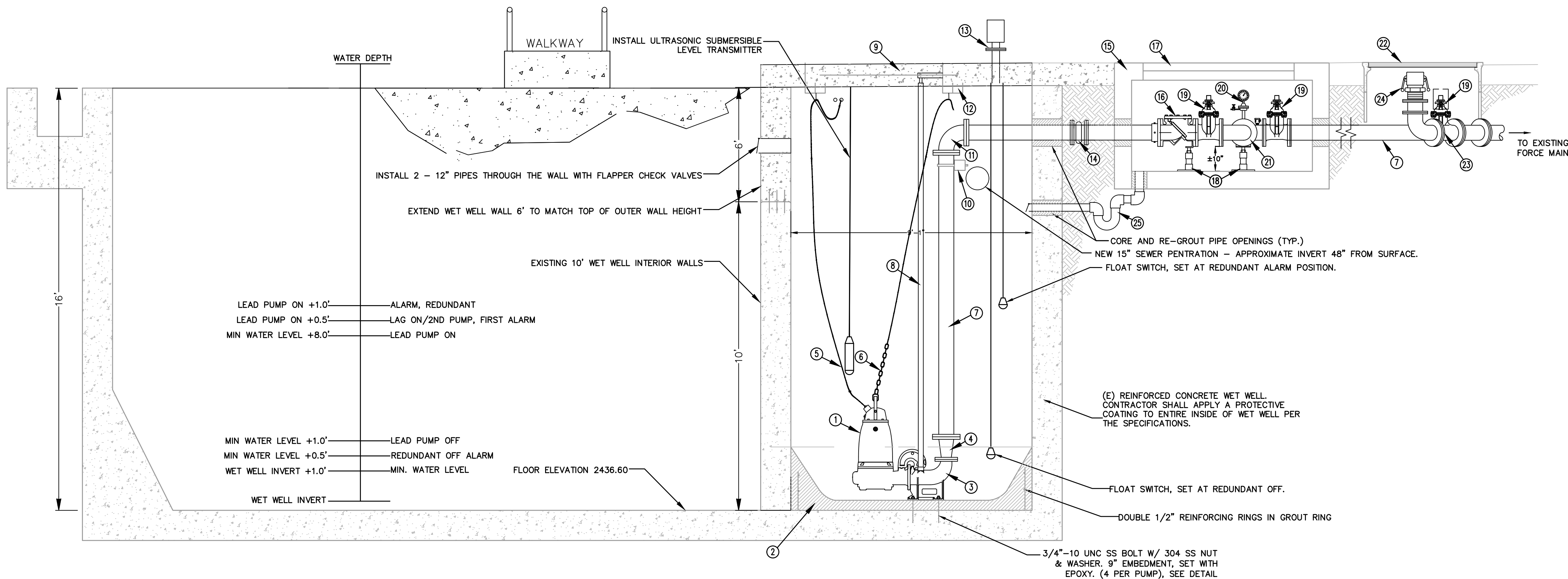
NOT TO SCALE

BYPASS CONNECTION ELEVATION VIEW

(B)
5

NOT TO SCALE

- 1 FLYGT 72 HP NP3202 SH 3~ 274 SUBMERSIBLE WASTEWATER PUMP
- 2 REINFORCED GROUT CIRCLE AND LEVELING COURSE UNDER PUMPS, MAINTAIN $\pm 60^\circ$ SLOPE TOWARDS CENTER
- 3 4" DISCHARGE CONNECTION
- 4 4"x6" FLANGED REDUCER
- 5 FLYGT POWER CABLE (ONE PER PUMP EACH)
- 6 FLYGT GRIP EYE LIFTING CABLE (ONE PER PUMP EACH)
- 7 6" DIP PIPE, VERIFY MEASUREMENTS BEFORE FABRICATION. SEE TRENCH DETAIL G, SHEET 6.
- 8 2" STAINLESS STEEL GUIDE RAILS AND UPPER GUIDE RAIL BRACKET (ONE PER PUMP)
- 9 INSTALL 6" CONCRETE WELL COVER WITH 5' X 3' ALUMINUM ACCESS HATCH WITH SAFETY GRATE, PER SPECIAL PROVISIONS.
- 10 PIPE SUPPORT PER DETAIL C, SHEET 6
- 11 6"x6" FLANGED 90°
- 12 STAINLESS STEEL CABLE & CHAIN HOLDER
- 13 4"Ø FLANGED STEEL VENT LINE (E), RETROFIT W/ PEACEMAKER ODOR FILTER AND EPOXY COAT VENT PIPE.
- 14 6" FLANGED EXPANSION COUPLING
- 15 INSTALL 7'4" X 7'4" CONCRETE VALVE VAULT.
- 16 6" RESILIENT SEATED CHECK VALVE MATCO NORCA 120WC (OUTSIDE LEVER AND WEIGHT) OR EQUAL
- 17 INSTALL VAULT COVER W/ 5'x5' SPRING ASSISTED ALUMINUM ACCESS COVER, TRAFFIC RATED
- 18 PIPE SUPPORT 1 @ EACH FLANGE BETWEEN VALVES & ONE AT CROSS
- 19 6" OPEN PORT BALL VALVE
- 20 PRESSURE GAUGE (4.5" 0-60 PSI), SEE DETAIL F, SHEET 6
- 21 6"x 6"x 6" 6" FLANGED CROSS WITH BLIND FLANGE ON SIDE FACING WET WELL
- 22 24"x 36" CONCRETE VAULT W/ 12" RISER CHRISTY B1730 OR EQUAL W/ TRAFFIC RATED LID
- 23 6"x 6"x 6" FLANGED WYE
- 24 6" CAM LOCK MALE ADAPTER WITH CAP
- 25 3" ABS DRAIN LINE WITH P TRAP, FLAPPER CHECK VALVE ON END, AND FLOOR DRAIN LOCATED AS SHOWN
- 26 6" EBAA IRON MEGAFLANGE SERIES 2100 ADAPTER FLANGE, OR EQUAL



PUMPING ASSEMBLY AND BYPASS CONNECTION ELEVATION VIEW

(C)
5

NOT TO SCALE

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CITY OF GRASS VALLEY ENGINEERING DIVISION SLATE CREEK LIFT STATION REHABILITATION PROJECT WET WELL AND VALVE DETAILS



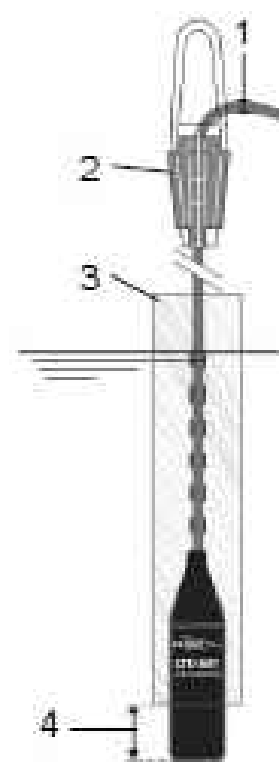
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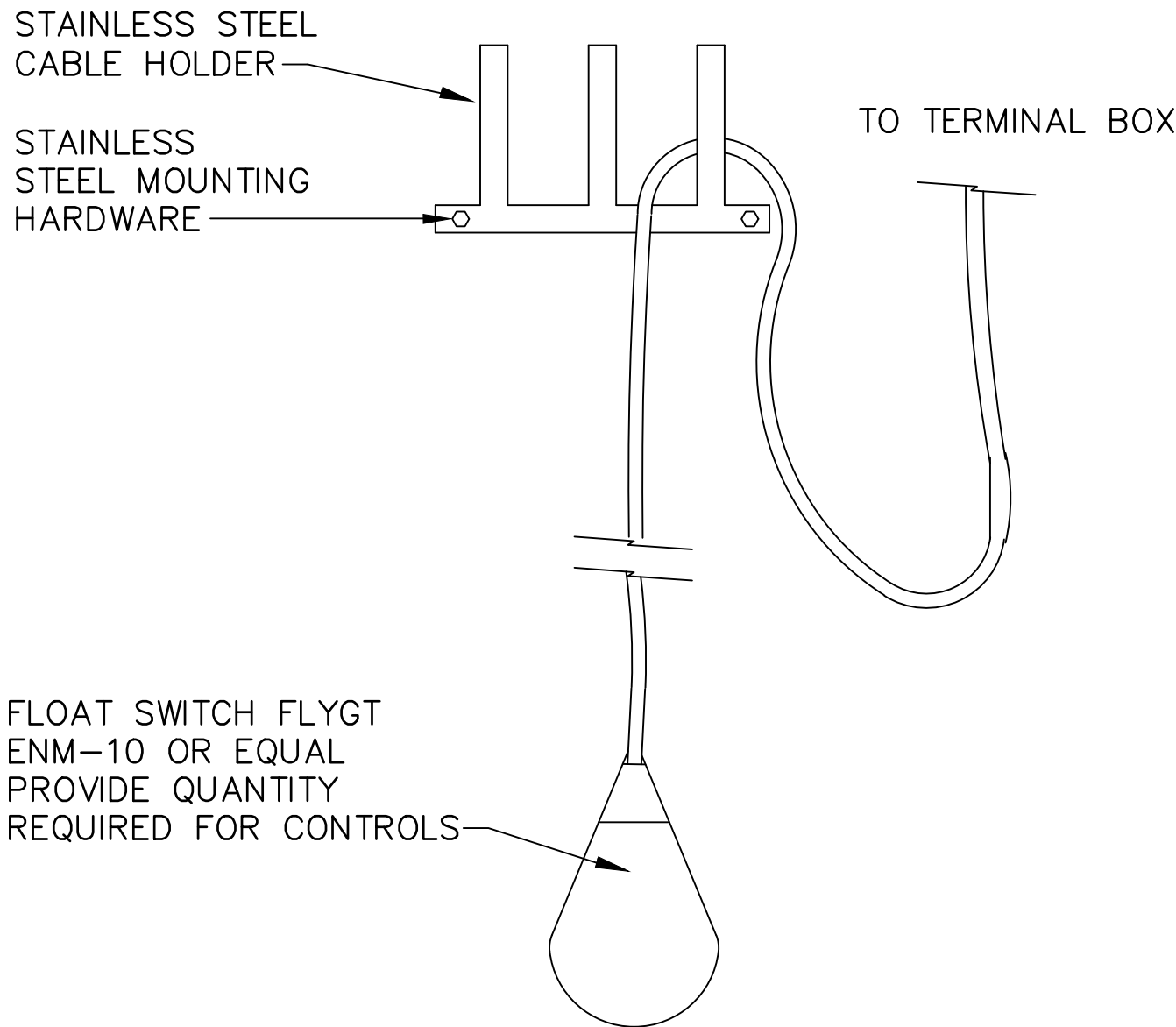
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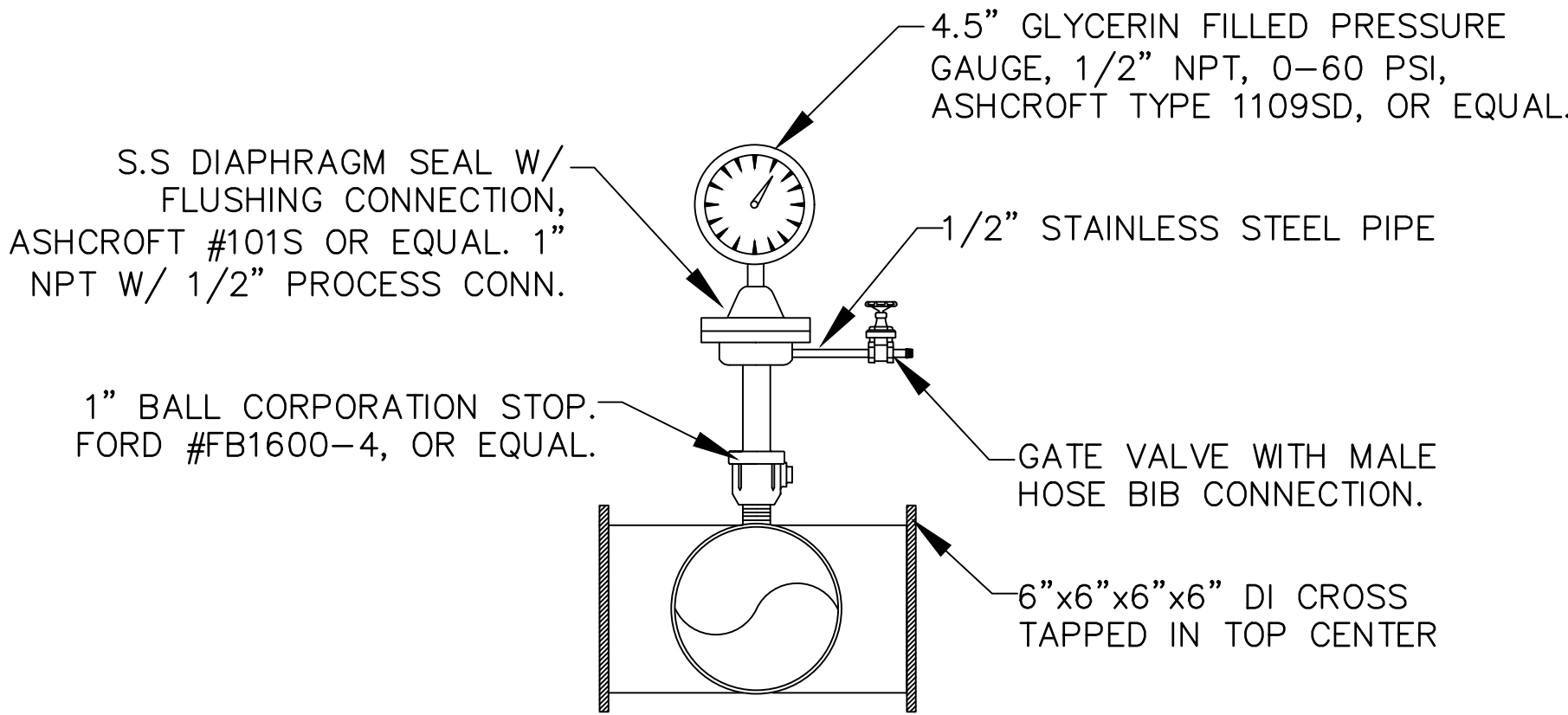
- 1. CABLE, DIAMETER 8.5–9.0 MM (0.33–0.35 IN.)
- 2. CABLE BRACKET
- 3. PROTECTIVE PIPE, NOMINAL DIAMETER GREATER THAN OR EQUAL TO 75 MM (3 IN.)
- 4. HEIGHT CLEARANCE BETWEEN THE PIPE AND UNIT BOTTOM, 25–50 MM (1–2 IN.)

- 1. ATTACH A HOOK ABOVE THE LOCATION OF MEASUREMENT. THE HOOK HAS TO BE STRONG ENOUGH TO SUPPORT THE WEIGHT OF THE CABLE.
- 2. CAREFULLY LOWER THE UNIT UNTIL IT IS AT THE BOTTOM OF ITS RANGE PER PROJECT SPECIFICATIONS. DO NOT EXCEED THE DEPTH RANGE OF THE UNIT.
- 3. IF NECESSARY, ATTACH THE UNIT TO THE CABLE BRACKET.
- 4. IF THE UNIT IS USED IN A LOCATION WITH TURBULENCE, THEN INSTALL A PIPE. THE PIPE PROTECTS THE UNIT FROM HITTING THE WALLS OR OTHER OBJECTS. THE PIPE CANNOT COVER AT LEAST 25 MM (0.98 IN.) OF THE BOTTOM OF THE UNIT.

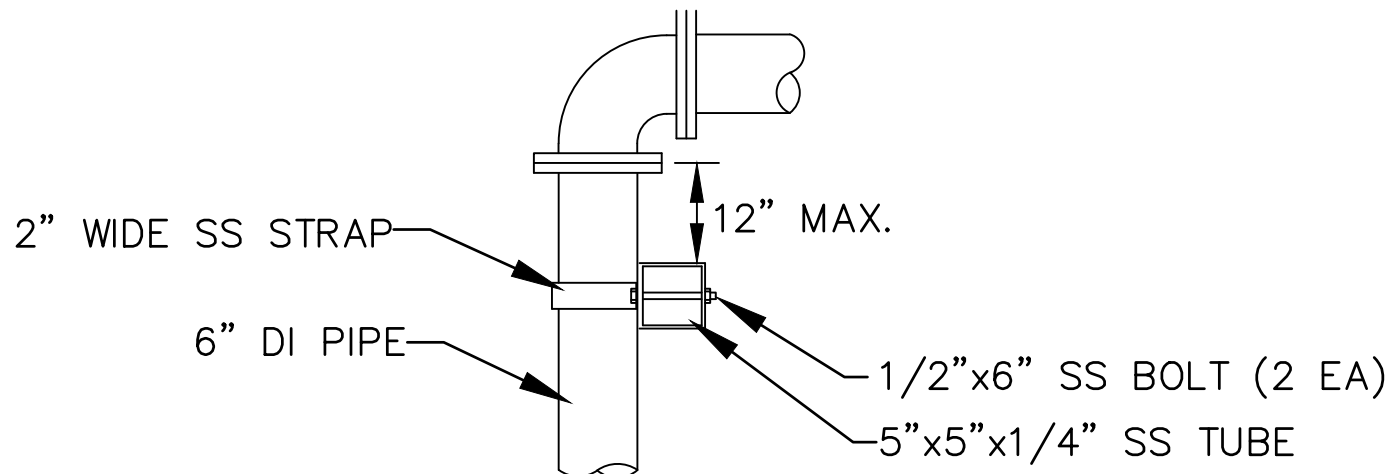
A
6
SUBMERSIBLE LEVEL TRANSMITTER
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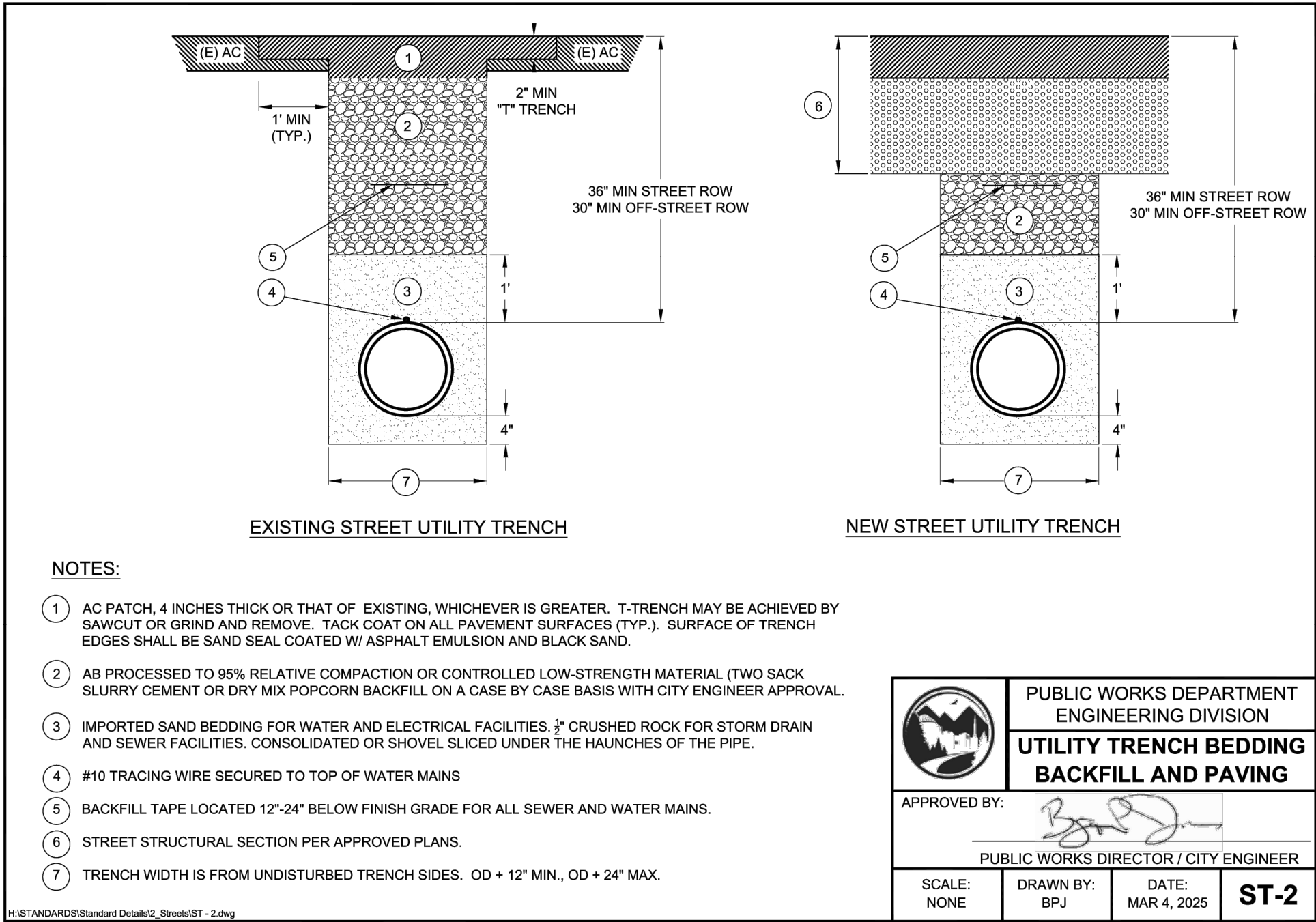
D
6
FLOAT SWITCH AND HANGER
NOT TO SCALE



B
6
PRESSURE GAUGE
NOT TO SCALE



C
6
PIPE SUPPORT
NOT TO SCALE



E
6
STANDARD TRENCH DETAIL
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