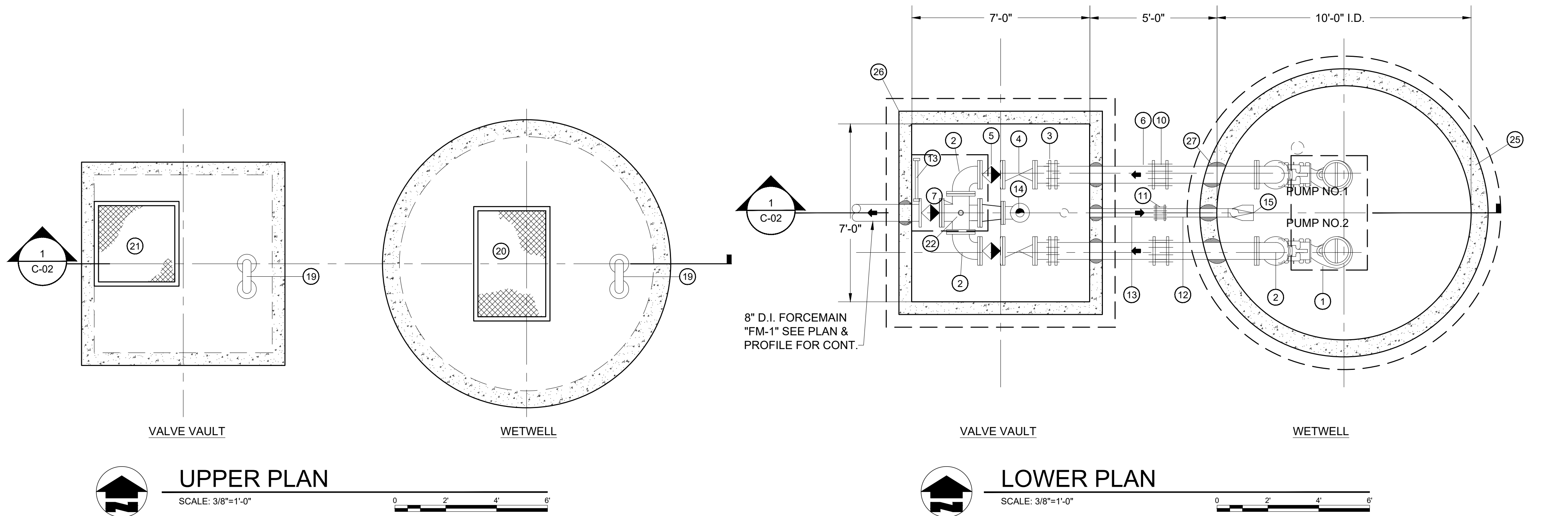




PUMP DATA TABLE	
DESCRIPTION	VALUE
PUMP TYPE	SUBMERSABLE CENTERFUGAL
MANUFACTURER (BASIS OF DESIGN)	PENTAIR/HYDRAMATIC
MODEL NUMBER	S4K(X)P
IMPELLER SIZE (IN.)	8.5
DESIGN CAPACITY (GPM)	362
MAX. STATIC HEAD (FT.)	37
TOTAL DYNAMIC HEAD (FT.) **	62
PUMP DISCHARGE FLG. CONNECTION (IN.)	4
MOTOR HORSEPOWER (HP)	20
PUMP SPEED (RPM)	1,750
HIGH WATER ALARM ELEVATION	840.80
LAG PUMP ON ELEVATION	839.80
LEAD PUMP ON ELEVATION	838.80
PUMPS OFF ELEVATION ***	836.50
VOLTS/PHASE/HERTZ	460/3/60
WETWELL HAZARDOUS CLASSIFICATION	CLASS 1, DIVISION 1

** BASED ON C=120 AT MAX. STATIC HEAD CONDITIONS.

*** COORDINATE/VERIFY WITH PUMP MANF. RECOMMENDATIONS; ADJUST REMAINING FLOATS TO MAINTAIN ELEVATION DIFFERENCE SHOWN IN SCHEDULE.

NOTE: PUMPS DATA TABLE SHOWN FOR REFERENCE ONLY. PUMPS ARE NOT PART OF THIS CONTRACT.

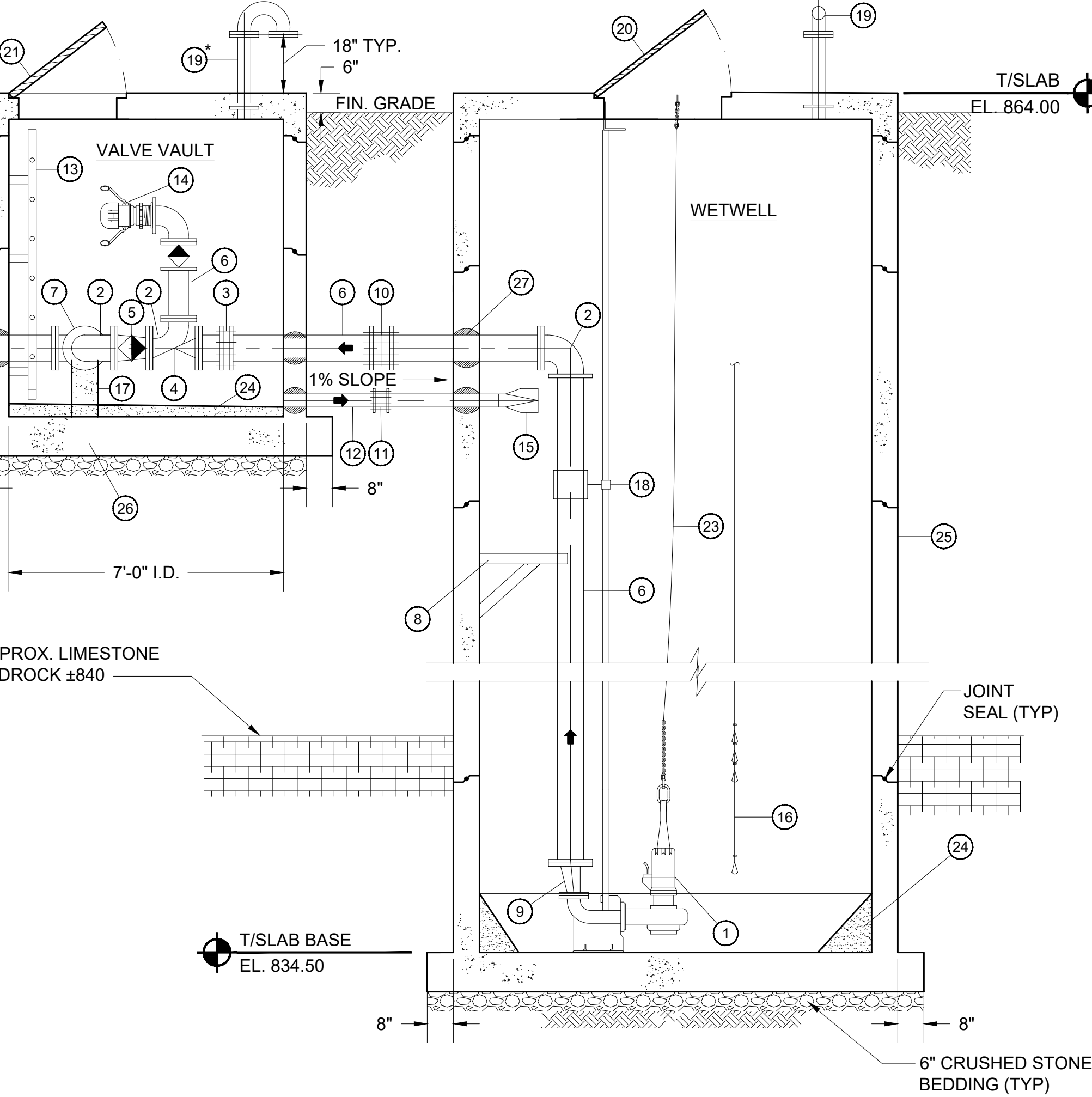
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ENGINEER/ARCHITECT: JOSEPH P. TIERNEY

CONSTRUCTION COMPANY: B.L. BROWN CONSTRUCTION

DATE: 08/29/2023



1 SECTION
NOT TO SCALE

IMPROVEMENTS KEYNOTES:

- SUBMERSIBLE RAW SEWAGE PUMP (TYP.) *NOT IN CONTRACT*
- 8" FLG. D.I. 90° BEND (TYP.)
- 8" FLG. COUPLING ADAPTER (TYP.)
- 8" FLG. SWING CHECK VALVE (TYP.)
- 8" FLG. PLUG VALVE (TYP.)
- 8" FLG. D.I. PIPE (TYP.)
- 8"X8" FLG. D.I. TEE (TYP.)
- S.S. PIPE SUPPORT (10'-0" MAX. SPACING)
- 4"X8" FLG. D.I. ECCENTRIC REDUCER
- 8" SOLID SLEEVE COUPLING
- 3" SOLID SLEEVE COUPLING
- 3" SCH. 80 PVC DRAIN (1% MIN SLOPE TO DRAIN)
- ALUM. ACCESS LADDER WITH SAFETY EXTENSION POST. *REMOVED FROM THIS CONTRACT PER OWNER REQUEST*
- DISCHARGE BYPASS CONNECTION AT VALVE VAULT (SEE NOTE 3)
- 3" SLIP-ON ELASTOMERIC CHECK VALVE
- FLOAT LEVEL SENSORS (SEE ELECT. DRAWINGS)
- CONCRETE PIPE SUPPORT
- S.S. GUIDE RAIL AND SUPPORT; SPACING PER PUMP MANF.
- VENT ASSEMBLY (SEE NOTE 2) *NOT IN CONTRACT*
- 3'-0" X 3'-0" ALUM. ACCESS HATCH W/ SAFETY GRATING (SEE NOTE 1)
- 3'-0" X 5'-6" ALUM. ACCESS HATCH W/ SAFETY GRATING
- PRESSURE GAUGE
- S.S. LIFT CHAIN TO TOP OF WETWELL *NOT IN CONTRACT*
- SLOPED CONC. OR NON-SHRINK GROUT FILL (MIN. 1/4" PER FOOT TO DRAIN)
- NEW 10' I.D. PRECAST WETWELL PER SPEC. 034000
- NEW 7' SQUARE PRECAST VALVE VAULT PER SPEC. 034000
- PIPE TO MANHOLE CONNECTOR (SEE SPEC 034000)
- SHOWN OUT OF SECTION

NOTES

- IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE PUMP/GUIDE RAIL LOCATION WITH RESPECT TO THE ACCESS HATCH OPENING AND TO ENSURE THE HATCH IS OF ADEQUATE SIZE TO ALLOW FOR THE PROPER REMOVAL OF THE PUMP ASSEMBLY.
- VENT SHALL BE COMPRISED OF (1) 4" FLG. D.I. RETURN BEND ATTACHED TO 4" FLG. X P.E. D.I. WALL PIPE WITH COLLAR CAST IN TOP SLAB. OPEN END OF RETURN BEND SHALL EXTEND 18" ABOVE TOP OF SLAB AND RECEIVE 1/4" BRONZE SCREEN ATTACHED BY 1/2" FLG. FILLER. VENT ASSEMBLY SHALL NOT CONFLICT WITH HATCH IN 90° OPEN POSITION.
- BYPASS DISCHARGE CONNECTION AT VALVE VAULT SHALL CONSIST OF 8"X8" D.I. TEE, 8" FLG. PLUG VALVE, D.I. PIPE (MIN. 6" LONG), AND 6" ALUMINUM FEMALE QUICK-CONNECT "CAM-LOCK" FITTING & CAP INSTALLED IN VERTICAL POSITION.

This document, originally issued, sealed, and signed by Joseph P Tierney, Indiana Professional Engineer, No.19300407, on July 2022, shall not be used in lieu of a certified document.

GRW PROJECT NO. 4923

CLIENT PROJECT NO. --

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LIFT STATION PLANS AND SECTION

 NEW LIFT STATION AND FORCEMAIN
 TOWN OF PENDLETON, INDIANA

NO.	REVISIONS DESCRIPTION	DATE	BY	DESIGNED	DRAWN	CHECKED	APPROVED
1	ADDENDUM #1	9/9/22	LAD	JPT	AMR	JPT	JPT

DATE:

JULY 2022

SCALE:

3/8" = 1'-0"

SHEET NO.

C-02