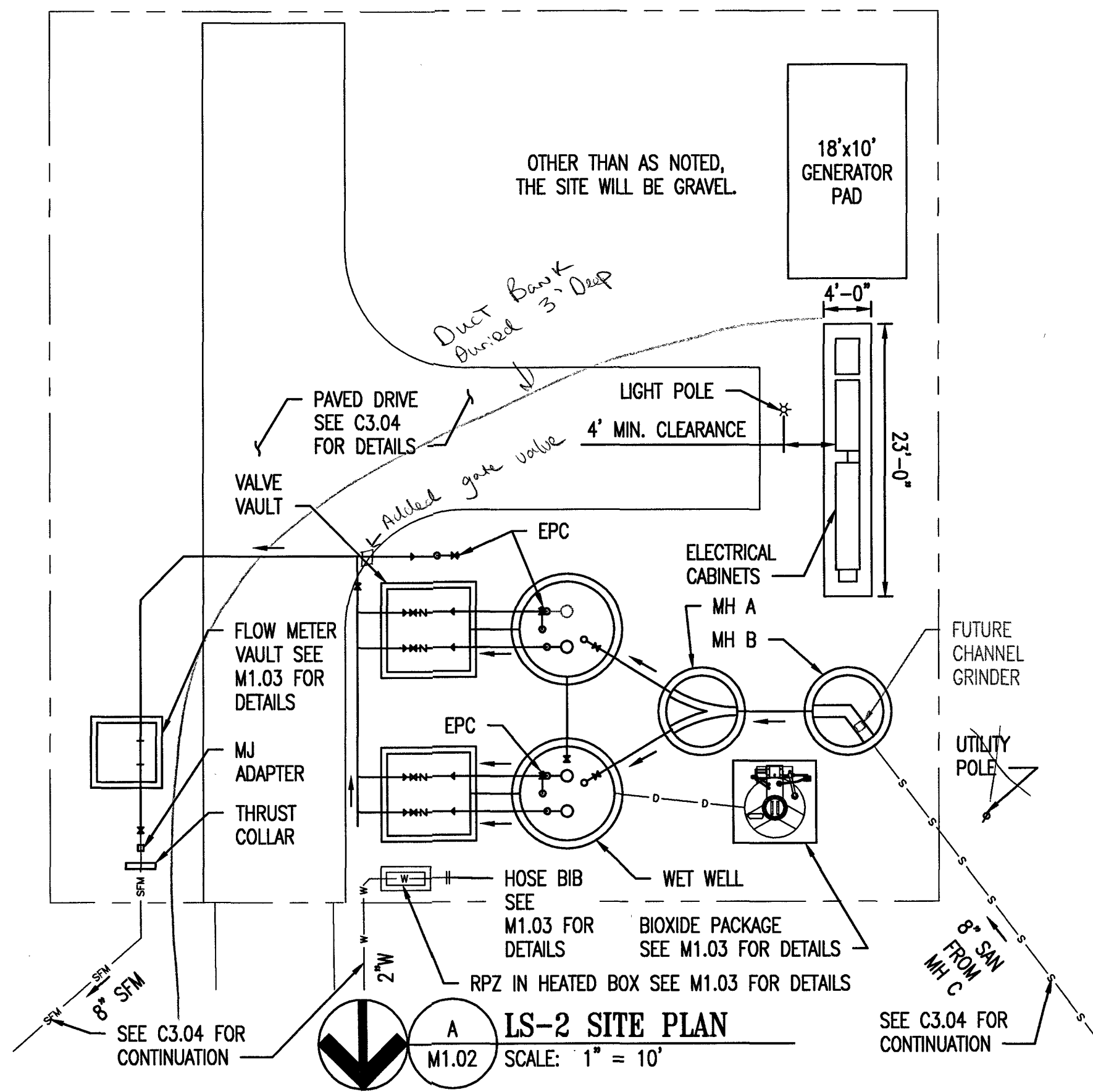


KEYNOTES:

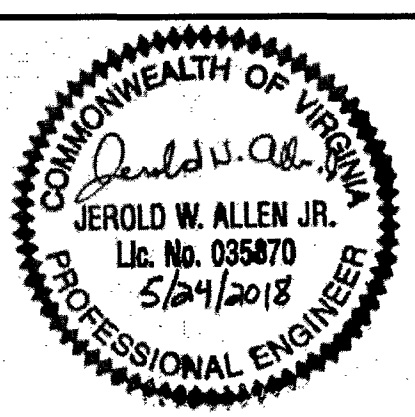
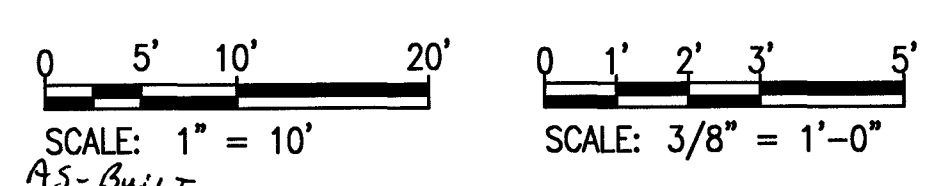
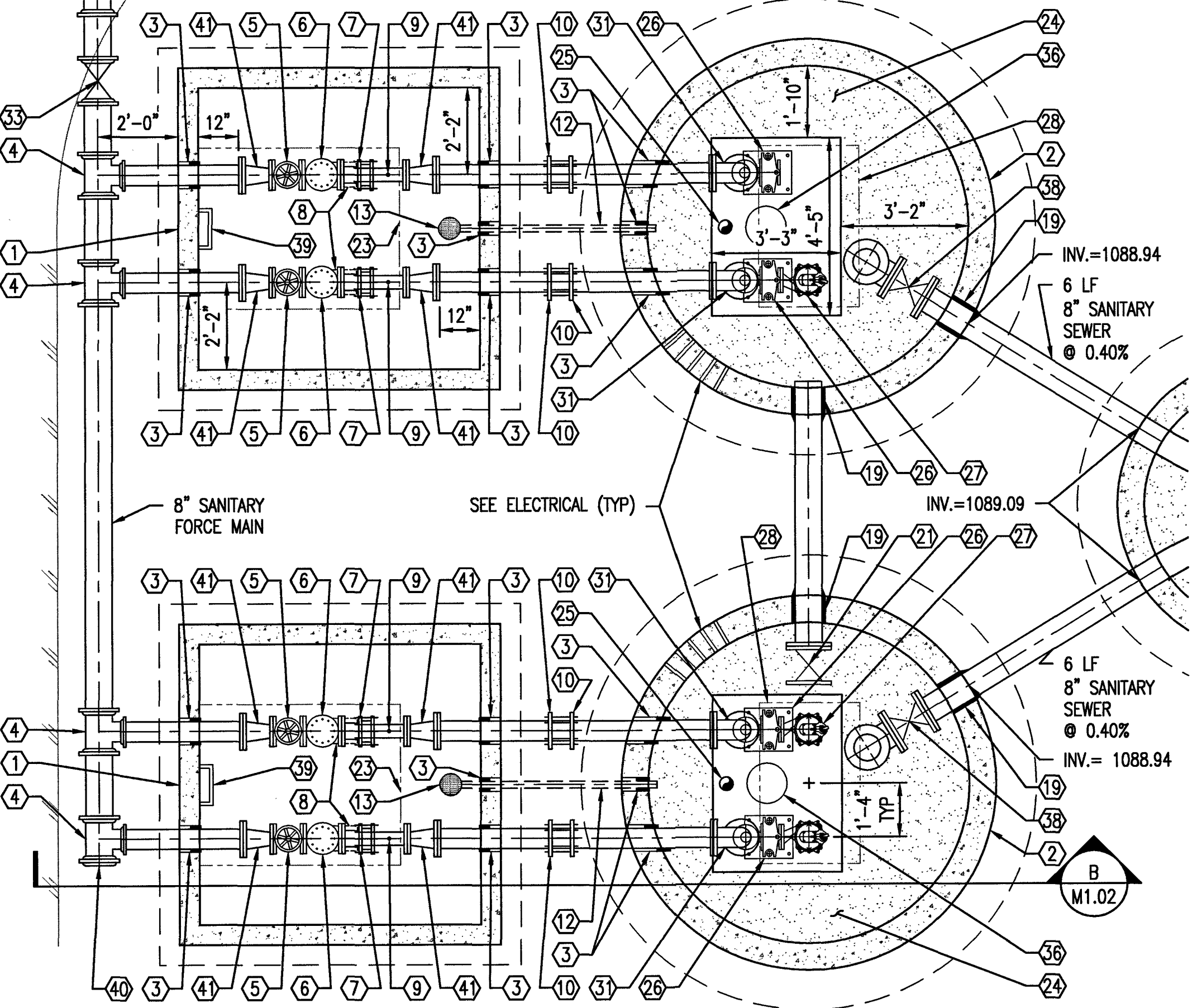
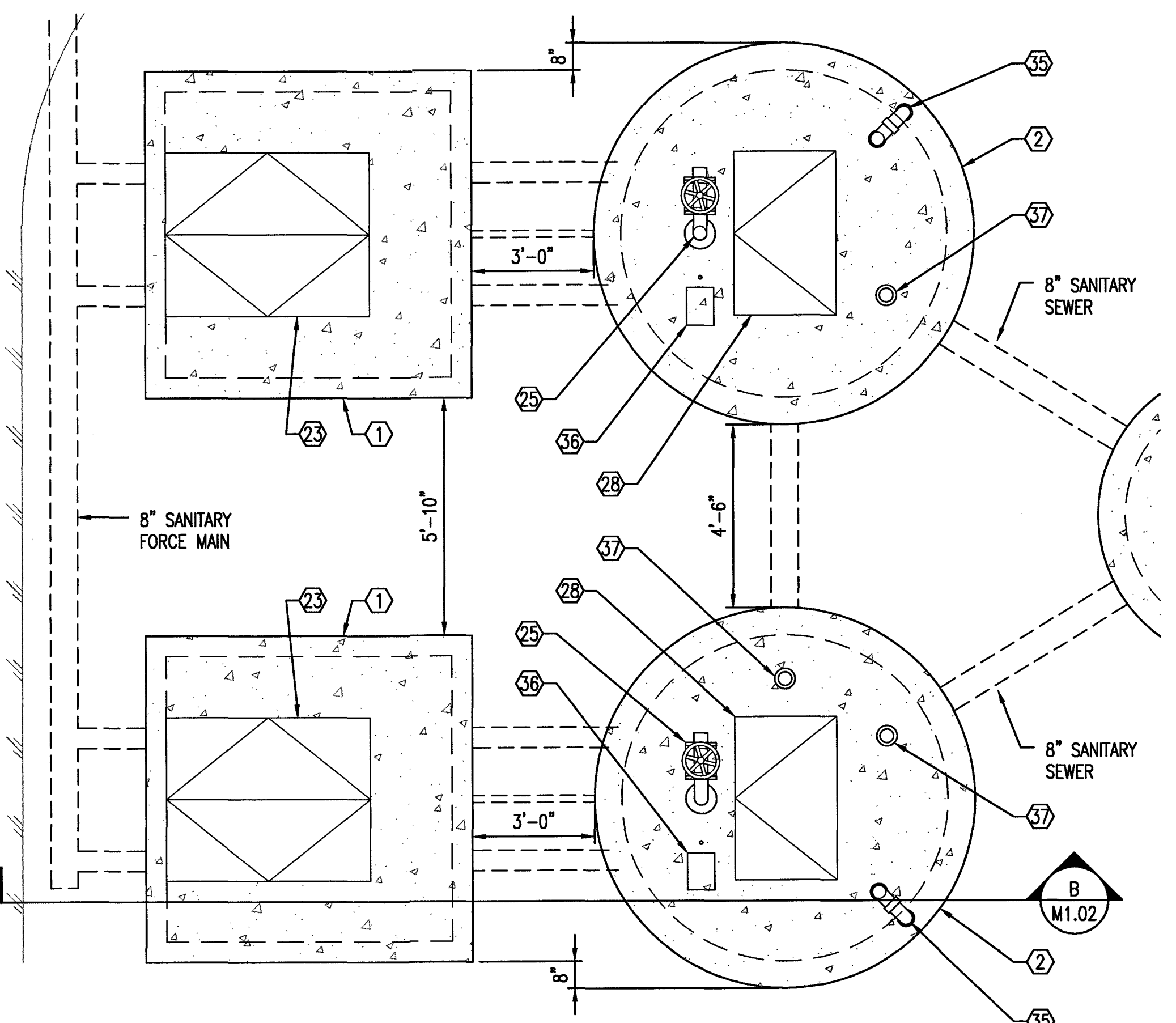
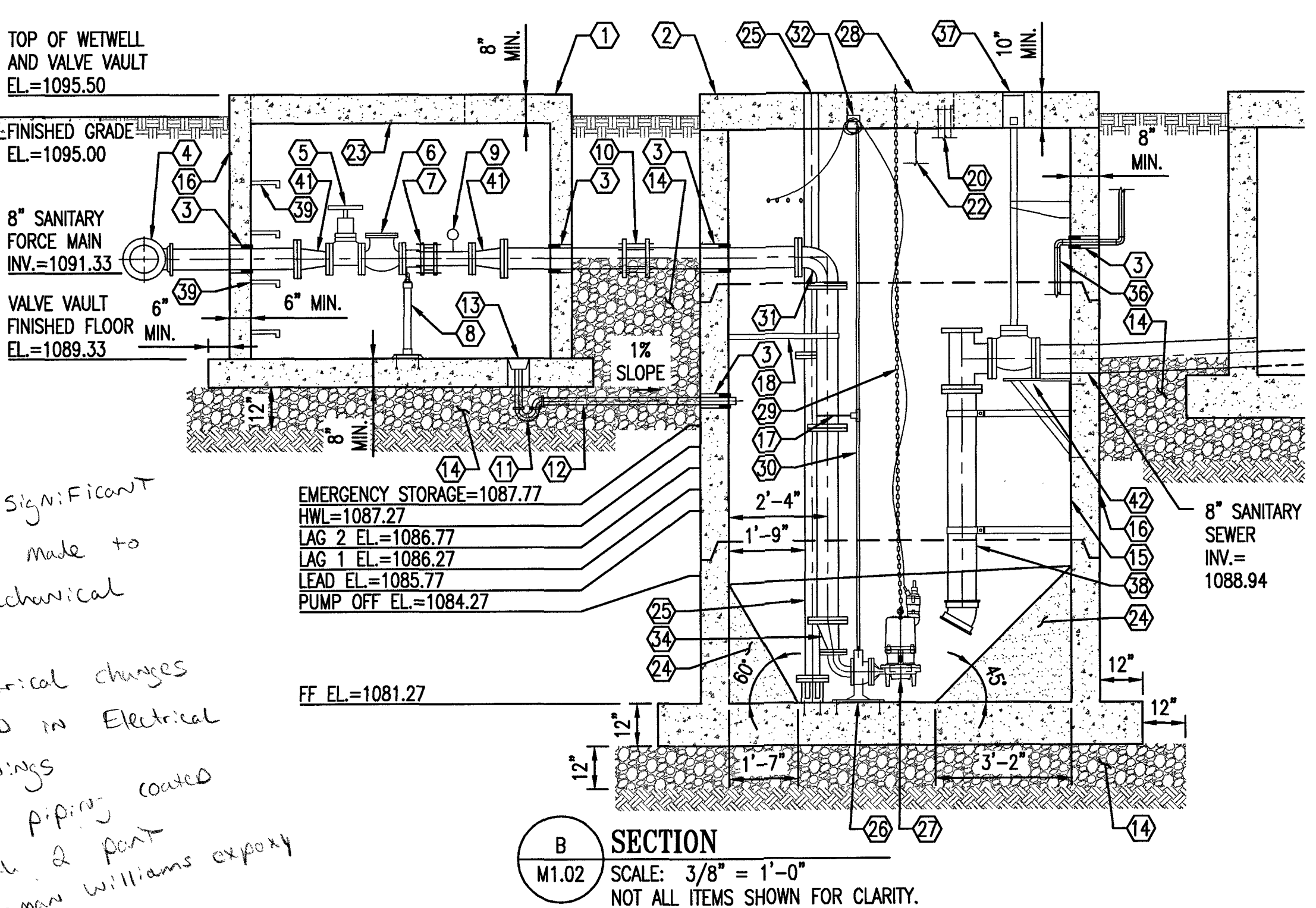
- 1 7'x7' ASTM C478 PRECAST CONCRETE VALVE VAULT (TYP OF 2)
- 2 8'x8' ASTM C478 PRECAST CONCRETE WET WELL (TYP OF 2)
- 3 WALL PENETRATION - SEE M1.03 FOR DETAILS
- 4 8"x6" MJ DI TEE (TYP OF 4)
- 5 4" FLG DI GATE VALVE (TYP OF 4)
- 6 4" FLG DI LEVER & SPRING CHECK VALVE (TYP OF 4)
- 7 4" DI DISMANTLING JOINT WITH 304 SS BOLTS & NUTS AND SS TIE RODS (TYP OF 4)
- 8 FLANGE PIPE SUPPORT (TYP OF 4) - SEE M1.03 FOR DETAILS
- 9 PRESSURE GAUGE (TYP OF 4) - SEE 11.07 FOR DETAILS
- 10 6" DI RESTRAINT COUPLING (TYP OF 4)
- 11 2" SCH 40 PVC P-TRAP (TYP OF 2)
- 12 2" SCH 40 PVC DRAIN (TYP OF 2)
- 13 6" ROUND FLOOR DRAIN WITH SS STRAINER AND 2" PIPE CONNECTION (TYP OF 2)
- 14 COMPACTED VDOT No. 57 STONE
- 15 EPOXY COATING SYSTEM (INTERIOR)
- 16 COAL TAR EPOXY COATING SYSTEM (EXTERIOR)
- 17 316 SS INTERMEDIATE GUIDE BRACKET FOR 2" BARS AND 6" PIPE
- 18 SS PIPE SUPPORT
- 19 8" FLEXIBLE BOOT WITH SS BAND (TYP OF 2)
- 20 NON-MERCURY FLOAT SWITCH ASSEMBLY (TYP OF 2) - SEE 11.07 FOR DETAILS
- 21 8" FLG GATE VALVE WITH OPERATING SHAFT AND SHAFT SUPPORTS AT 6' MAXIMUM SPACING.
- 22 IP 68 SUBMERSIBLE LEVEL TRANSMITTER WITH SS ANTI-CLOG ATTACHMENT AND CABLE STRAIN RELIEF CLAMP (TYP OF 2) - SEE 11.07 FOR DETAILS
- 23 60"x48" DOUBLE LEAF ALUMINUM ACCESS HATCH, H2O LOADING, LOCKABLE, WITH 316 STAINLESS STEEL HINGES, NON-CORROSIVE LOCKING BAR, STAINLESS STEEL SPRING FOR OPENING ASSISTANCE. (TYP OF 2)
- 24 GROUT FILLET
- 25 4" EMERGENCY PUMP CONNECTION (TYP OF 2) - SEE M1.03 FOR DETAILS
- 26 3"x3" DI BASE ELBOW LIFT-OUT SYSTEM, HYDRAMATIC TL33HH, OR APPROVED EQUAL WITH 3/4" SS ANCHOR BOLTS, NUTS & WASHERS, 3/2" MIN. EMBEDMENT (TYP OF 4)
- 27 7.50 HP SUBMERSIBLE GRINDER PUMP, RATED FOR 65 GPM @ 10 HP Keen 148'-FT TDH (130'-FT STATIC), HYDRAMATIC MODEL HPGHFX750FD OR APPROVED EQUAL, 3" FLG DISCHARGE, 6.87" IMPELLER, AND 460V/3PHASE/60HZ SERVICE (TYP OF 3)
- 28 48"x30" SINGLE LEAF ALUMINUM ACCESS HATCH, H2O LOADING LOCKABLE, WITH 316 STAINLESS STEEL HINGES, NON-CORROSIVE LOCKING BAR, STAINLESS STEEL SPRING FOR OPENING ASSISTANCE. (TYP OF 2)
- 29 35 LF 316 SS 3/8" LIFTING CHAIN WITH 316 SS 1/4" SHACKLES ON BOTH ENDS
- 30 2" NOMINAL DIAMETER GUIDE BARS, WELDED SCH 40 SS 316 PIPE
- 31 6" FLG DI 90° BEND (TYP OF 4)
- 32 316 SS UPPER GUIDE BAR BRACKET WITH SS ANCHOR BOLTS
- 33 8" DI MJ GATE VALVE
- 34 6"x3" FLG ECCENTRIC REDUCER (TYP OF 4)
- 35 4" PVC WET WELL VENT (TYP OF 2) - SEE M1.03 FOR DETAILS
- 36 WET WELL AERATION SYSTEM (TYP OF 2) - SEE M1.03 FOR DETAILS McQuay AP 500 used
- 37 VALVE BOX (TYP OF 3)
- 38 8" FLG GATE VALVE WITH OPERATING SHAFT AND SHAFT SUPPORTS AT 6' MAXIMUM SPACING AND 8"x8" FLG DROP TEE (TYP OF 2) - SEE M1.03 FOR DETAILS
- 39 STEP
- 40 8" MJ PLUG
- 41 6"x4" FLG DI REDUCER (TYP OF 8)
- 42 SS BRACKET W/SS ANCHORS TO SUIT (TYP OF 3)



* No significant changes made to K&M mechanical plan

* Electrical changes noted in electrical drawings

* All piping coated with 2 part Sherwin Williams epoxy



WESTERN VIRGINIA WATER AUTHORITY
601 South Jefferson Street, Suite 300
Roanoke, Virginia 24011

DES: KNA	SCALE: AS SHOWN
DRAWN: GSL	HORIZ: N/A
CHECK: JWA	VERT: N/A
DATE: 05/24/18	

SUMMIT VIEW BUSINESS PARK UTILITY IMPROVEMENTS
PHASE 1

LIFT STATION #2

M1.02

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