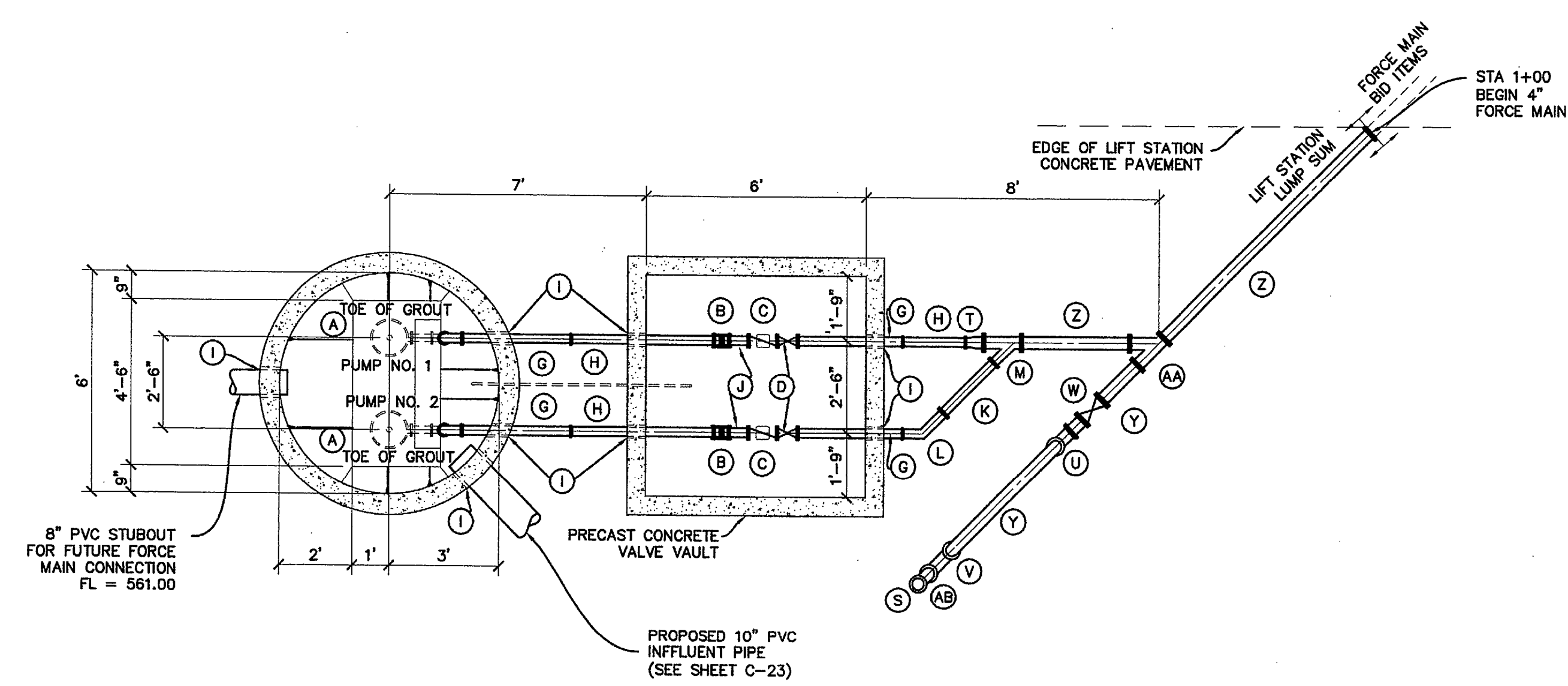


**GENERAL NOTES**

1. GROUT OPENING FOR ACCESS FRAME.
2. ACCESS HATCHES SHALL BE FLUSH MOUNTED, ALUMINUM (BILCO OR EQUAL), H-10 CAPACITY, AND HAVE PADLOCK HASPS, DRAINS, AND HYDRAULIC OPENERS.
3. CONFIGURATIONS AND DIMENSIONS SHOWN ARE BASED ON THE EQUIPMENT SPECIFIED. THE CONTRACTOR SHALL VERIFY THE LAYOUT AND ALL DIMENSIONS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL SUBMIT, TO THE ENGINEER, SHOP DRAWINGS SHOWING THE FINAL LAYOUT AND DIMENSIONS PRIOR TO CONSTRUCTION. REFERENCE SPECIFICATIONS FOR LIFT STATION EQUIPMENT. PUMPS SHALL BE MYERS MODEL WG50-23-25 OR APPROVED EQUAL WITH A PUMP CAPACITY OF 100 GPM AT 63.21 FEET TDH.
4. 4" DRAIN PIPE FROM VALVE VAULT TO WET WELL SHALL BE PVC CONSTRUCTED ON -0.50% SLOPE. FLOOR DRAIN INSIDE VALVE VAULT SHALL BE CENTERED INSIDE THE STRUCTURE AND SHALL BE A NEENAH MODEL R-4937-B GRATE OR APPROVED EQUAL.
5. 4" DRAIN FROM VALVE VAULT TO WET WELL SHALL INCLUDE A 4" I.D. FLAP VALVE AT ITS DISCHARGE POINT INSIDE THE WET WELL. FLAP VALVE SHALL BE RODNEY HUNT SERIES FV-SPR OR APPROVED EQUAL.
6. VENT PIPE SHALL BE DUCTILE IRON (125 PSI FLANGES) WITH STAINLESS STEEL BOLTS AND INSECT SCREEN. THE OPENING SHALL BE 18 INCHES ABOVE THE TOP SLAB.
7. ALL COUPLINGS SHALL BE EPOXY COATED STEEL AND SHALL BE DRESSER, SMITH-BLAIR 411, OR EQUAL. COUPLINGS SHALL BE RESTRAINED WITH A THRUST HARNESS DESIGNED IN ACCORDANCE WITH AWWA M-11.
8. ALL FLANGES SHALL BE CAPABLE OF A WORKING PRESSURE OF 150 PSI AND A HYDROSTATIC PRESSURE OF 265 PSI.
9. ALL RESTRAINING RODS SHALL BE 316 OR 304 STAINLESS STEEL.
10. INSTALL ISOLATION KITS BETWEEN DISSIMILAR METAL PIPING.
11. ALL PIPE PENETRATIONS INTO WET WELL SHALL INCLUDE A M&PE WALL CASTING.
12. ALL OPENINGS AND CONNECTIONS THROUGH THE WALL SHALL BE PREFABRICATED AND SEALED TO PREVENT LEAKAGE AND INFILTRATION. THE INSIDE OF THE LIFT STATION SHALL BE SEALED WITH A COATING SYSTEM AS DESCRIBED WITHIN THE SPECIFICATIONS. APPLY COATING IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS FOR SURFACE PREPARATION AND APPLICATION TO ALL INTERIOR CONCRETE SURFACES.
13. ALL DUCTILE IRON PIPING SHALL BE RATED FOR A WORKING PRESSURE OF 150 PSI. ALL DUCTILE IRON PIPING INSTALLED ABOVE GROUND SHALL BE FLANGED.
14. ALL EXPOSED METAL WITHIN THE WET WELL SHALL BE STAINLESS STEEL.
15. ALL UNDERGROUND DUCTILE IRON PIPING SHALL BE MECHANICAL JOINT AND POLYWRAPPED. ALL FITTINGS BETWEEN DUCTILE IRON PIPE SHALL BE RESTRAINED WITH MEGALUG FITTINGS AS MANUFACTURED BY EBAA IRON INC., OR APPROVED EQUAL.
16. CONTRACTOR SHALL PROVIDE STRUCTURAL DESIGN OF WET WELL AND SUBMIT TO ENGINEER FOR REVIEW.
17. WET WELL EXCAVATION METHODS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.
18. ALL LIFT STATION PIPING THAT IS NOT BELOW GROUND SHALL BE PAINTED PER TECHNICAL SPECIFICATION SECTION 09900.
19. CONTRACTOR SHALL SUBMIT DESIGN FOR GROUT CONE UNDER PUMP SUCTIONS, INCLUDING MEANS OF ATTACHMENT, TO THE ENGINEER PRIOR TO CONSTRUCTION.
20. SEE DESIGN REPORT PREPARED BY KIMLEY-HORN AND ASSOCIATES DATED OCTOBER 2006 FOR PUMP AND SYSTEM CURVES.

**EQUIPMENT/FITTING LIST**

MARK	DESCRIPTION	QUANTITY	JOINT
A	SUBMERSIBLE PUMP W/ SEALING FLANGE	2	-
	ADAPTER AND STAINLESS STEEL LIFTING CABLES		
B	3" RESTRAINED COUPLING	2	FLG.-P.E.
C	3" SWING CHECK VALVE W/ LEVER AND SPRING	2	FLG.-FLG.
D	3" GATE VALVE	3	FLG.-FLG.
E	3"x2" ECCENTRIC REDUCER	2	FLG.-FLG.
F	3" - 90° BEND	2	FLG.-FLG.
G	3" PIPE SPOOL	4	FLG.-P.E.
H	3" PIPE SPOOL	3	M.J.-FLG.
I	CENTURY LINE WALL SLEEVE	8	-
J	3" PIPE SPOOL	2	FLG.-FLG.
K	3" PIPE SPOOL	1	P.E.-P.E.
L	3" -45° BEND	1	M.J.-M.J.
M	4"x3" WYE	1	M.J.-M.J.
N	8" DUCTILE IRON VENT PIPE	1	FLG.-P.E.
O	4'x2'-6" DOUBLE LEAF ACCESS HATCH WITH FLYGT TYPE FLED-12 OR EQUAL	2	-
P	LATERAL PIPE SUPPORT AT 4' INTERVALS (TYP.)	4	-
Q	PVC HATCH DRAIN	2	-
R	ADJUSTABLE PIPE SADDLE SUPPORT (ANVIL INTERNATIONAL INC. FIG. 264 OR APPROVED EQUAL)	4	-
S	4" BLIND FLANGE	2	FLG.
T	4" X 3" CONCENTRIC REDUCER	1	FLG.-FLG.
U	4" - 45° BEND	1	M.J.-M.J.
V	4" SWING CHECK VALVE	1	FLG.-FLG.
W	4" GATE VALVE	1	FLG.-FLG.
Y	4" PIPE SPOOL	2	FLG.-P.E.
Z	4" PIPE SPOOL	2	P.E.-P.E.
AA	4" X 4" WYE	1	M.J.-M.J.
AB	4" PIPE SPOOL	1	FLG.-FLG.



**EVERGREEN AT ROCKWALL**

**LIFT STATION DETAILS**

Scale: AS SHOWN  
 Designed by: RHA  
 Drawn by: RHA  
 Checked by: RHA  
 Date: MAY 2008  
 Project No. 063890013

**RECORD DRAWING**  
 THIS RECORD DRAWING HEREIN REFLECTS TO THE BEST OF THE DESIGN ENGINEER'S KNOWLEDGE, THE APPROXIMATE LOCATION OF THE CONSTRUCTED WORK USING INFORMATION AS PROVIDED BY THE CONTRACTORS AND SURVEYED GRADES.