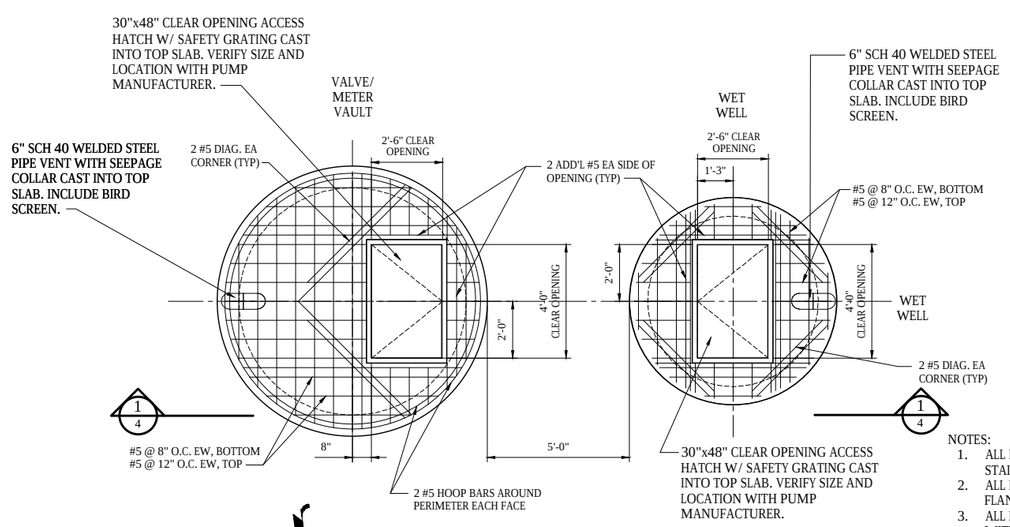


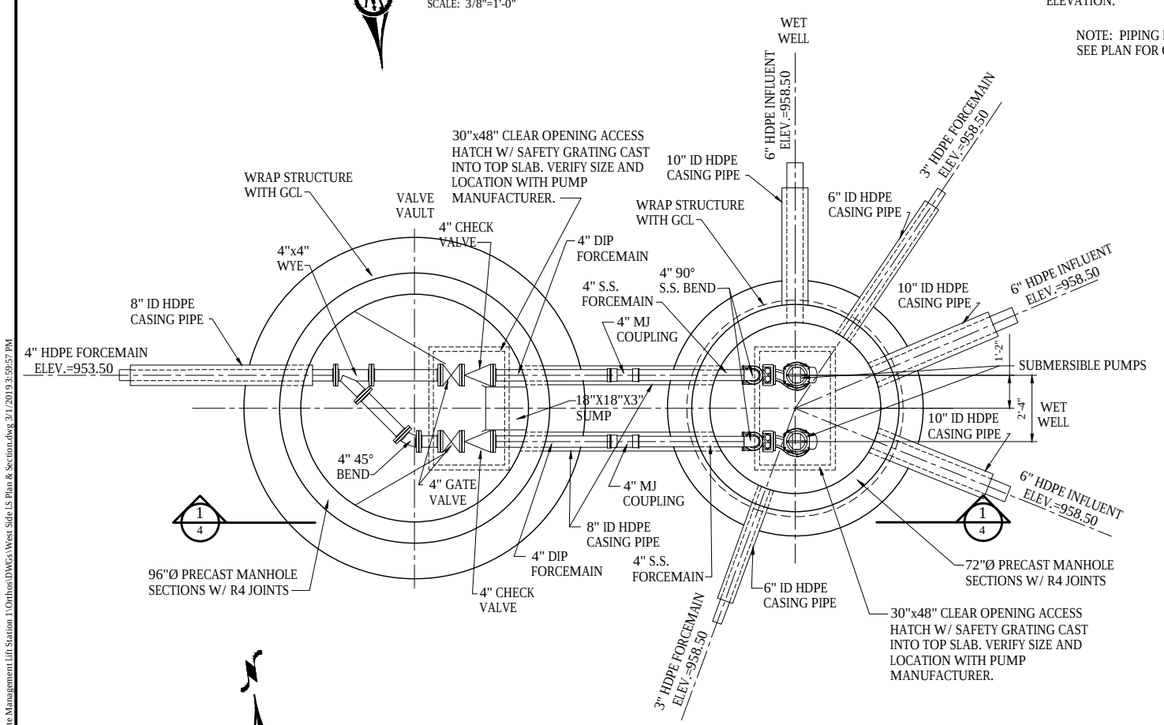
NOTES:

1. ALL INTERIOR PIPING IN WET WELL SHALL BE STAINLESS STEEL AS SHOWN.
2. ALL INTERIOR PIPING IN VALVE VAULT SHALL BE FLANGED FITTINGS AS SHOWN.
3. ALL EXTERIOR PIPING SHALL BE MECHANICAL JOINT WITH MEGALUG RESTRAINT JOINTS.
4. FLEXIBLE WATERTIGHT SEAL TO BE PROVIDED AT ALL PIPE PENETRATIONS AT VALVE VAULT AND LIFT STATION. FLEXIBLE WATERTIGHT SEAL TO BE APPROVED BY ENGINEER.
5. CONTRACTOR SHALL VERIFY EXISTING FORCEMAIN ELEVATION.

NOTE: PIPING ROTATED FOR CLARITY SEE PLAN FOR ORIENTATION.

TOP PLAN - LIFT STATION 2 AND VALVE VAULT MH 15

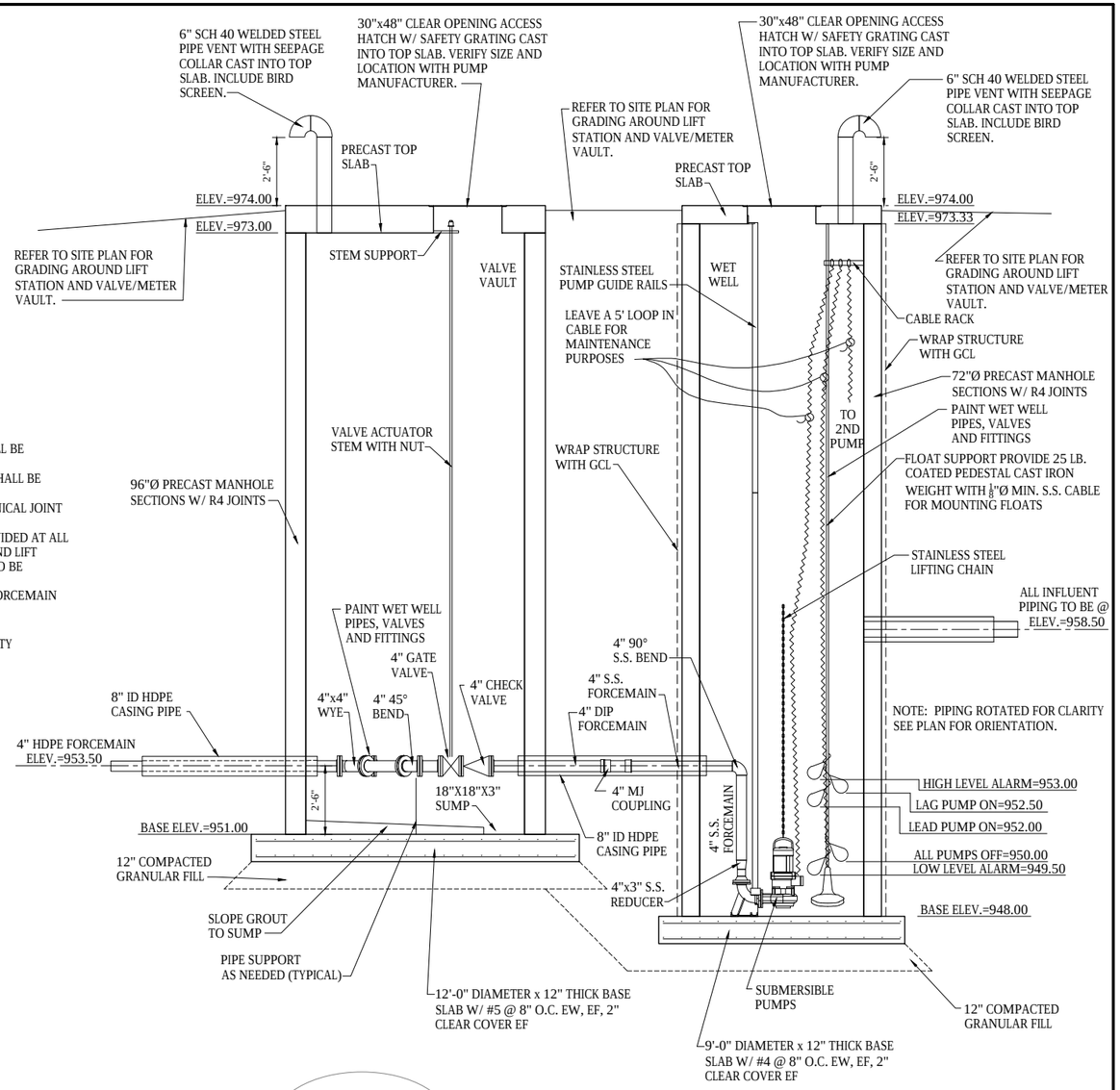
SCALE: 3/8"=1'-0"



PLAN - LIFT STATION 2 AND VALVE VAULT MH 15

SCALE: 3/8"=1'-0"

NOTE: REFER TO SHEET 18 FOR INFLUENT PIPE ORIENTATION.

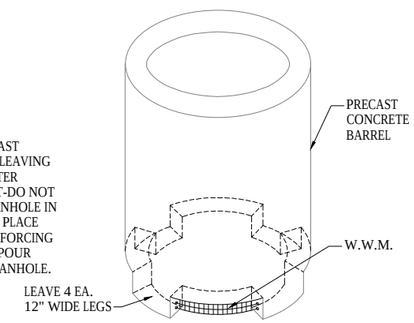


SECTION - LIFT STATION 2 AND VALVE VAULT MH 15

SCALE: 3/8"=1'-0"

DETAIL TO BE USED WITH CAST IN PLACE CONCRETE BASE IF INTEGRAL MANHOLE BASE IS NOT USED

KNOCK OUT BOTTOM OF PRECAST CONCRETE MANHOLE 9" HIGH LEAVING 4 EA. 12" WIDE LEGS AT QUARTER POINTS. LEAVE W.W.M. INTACT-DO NOT CUT-DO NOT REMOVE. SET MANHOLE IN CENTER OF FORM FOR CAST IN PLACE CONCRETE BASE. THREAD REINFORCING BARS THRU EXPOSED W.W.M. POUR CONCRETE IN AND AROUND MANHOLE.



NON-INTEGRAL MH BASE

NOT TO SCALE

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CONTRACTOR: Minger Construction

RECORD PLAN

ZGN 12-22-2020

Graphic Scale for 3/8"=1'-0" (0 1 2 3 4 6 8)

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

SIGNATURE: Tejpal S. Bala — TYPED OR PRINTED NAME: Tejpal Singh Bala

DATE: 03/01/2019 — LIC. NO.: 49574

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CLIENT PROJ. NO.			
R16.115896			

ELK RIVER LANDFILL INC.

WASTE WATER FORCEMAIN

LIFT STATION 2 PLAN & SECTION

SHEET 4 OF 46