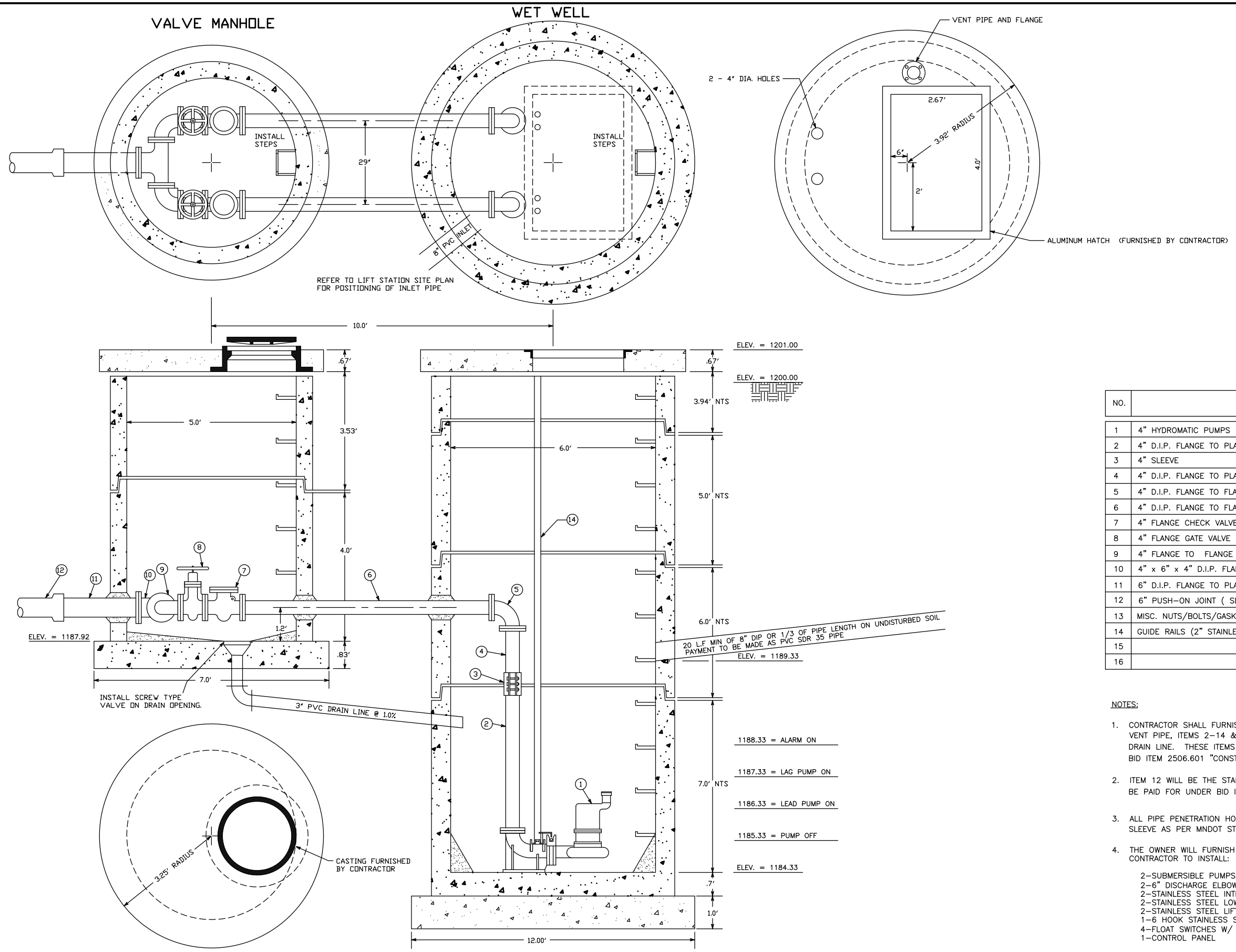


NO.	ITEM	REQUIRE	LENGTH
1	4" HYDROMATIC PUMPS (FURNISHED BY OWNER)	2	
2	4" D.I.P. FLANGE TO PLAIN END	2	
3	4" SLEEVE	2	
4	4" D.I.P. FLANGE TO PLAIN END	2	
5	4" D.I.P. FLANGE TO FLANGE 90° SHORT BEND	2	
6	4" D.I.P. FLANGE TO FLANGE	2	
7	4" FLANGE CHECK VALVE	2	
8	4" FLANGE GATE VALVE	2	
9	4" FLANGE TO FLANGE D.I.P. 90° SHORT BEND	2	
10	4" x 6" x 4" D.I.P. FLANGE BULLHEAD TEE	1	
11	6" D.I.P. FLANGE TO PLAIN END	1	
12	6" PUSH-ON JOINT (SDR 18)		
13	MISC. NUTS/BOLTS/GASKETS		
14	GUIDE RAILS (2" STAINLESS STEEL)		
15			
16			

NOTES:

1. CONTRACTOR SHALL FURNISH AND INSTALL WET WELL, HATCH, VENT PIPE, ITEMS 2–14 & VALVE MANHOLE, INCLUDING 3" DRAIN LINE. THESE ITEMS WILL BE PAID FOR UNDER BID ITEM 2506.601 "CONSTRUCT DRAINAGE STRUCTURE – LIFT STATION".

2. ITEM 12 WILL BE THE START OF THE 6" FORCE MAIN AND WILL BE PAID FOR UNDER BID ITEM 2503.511 6" PVC FORCE MAIN.

3. ALL PIPE PENETRATION HOLES SHALL BE FLEXIBLE RUBBER SLEEVE AS PER MNDOT STD. PLATE 4007

4. THE OWNER WILL FURNISH THE FOLLOWING ITEMS FOR THE CONTRACTOR TO INSTALL:

   2–SUBMERSIBLE PUMPS
   2–6" DISCHARGE ELBOWS & SEALING FLANGE ASSEMBLY
   2–STAINLESS STEEL INTERMEDIATE RAIL SUPPORT BRACKETS
   2–STAINLESS STEEL LOWER & UPPER SUPPORT BRACKETS
   2–STAINLESS STEEL LIFTING CHAINS
   1–6 HOOK STAINLESS STEEL FLOAT BRACKET
   4–FLOAT SWITCHES W/ 50' CABLE
   1–CONTROL PANEL

NOT TO SCALE

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No responsibility is accepted for the locations of utilities shown hereon. Verification of actual locations should be requested prior to the commencement of construction or the taking of any other action relying on the actual locations.

GOPHER STATE ONE-CALL: 1-800-252-1166

REV.	BY	DATE

JONES, HAUGH & SMITH INC
CONSULTING ENGINEERS & LAND SURVEYORS
PH. 507-373-4876
515 SOUTH WASHINGTON AVENUE
ALBERT LEA, MINNESOTA 56007

DESIGNED: X
DRAWN: X
CHECKED: BJJ
DATE: FEBUARY, 2004
FILE NO: 96-392C-LS.DWG

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Registered Professional Engineer under the laws of the State of Minnesota.

Brian J. Johnson
Reg. No. 42744 Date:

CITY OF AUSTIN, MN
2004 SANITARY SEWER IMPROVEMENTS
BELLEMANS 1ST & 2ND RESTRICTED SUBDS.
LIFT STATION DETAILS

SHEET 7 OF 9