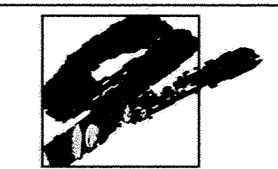


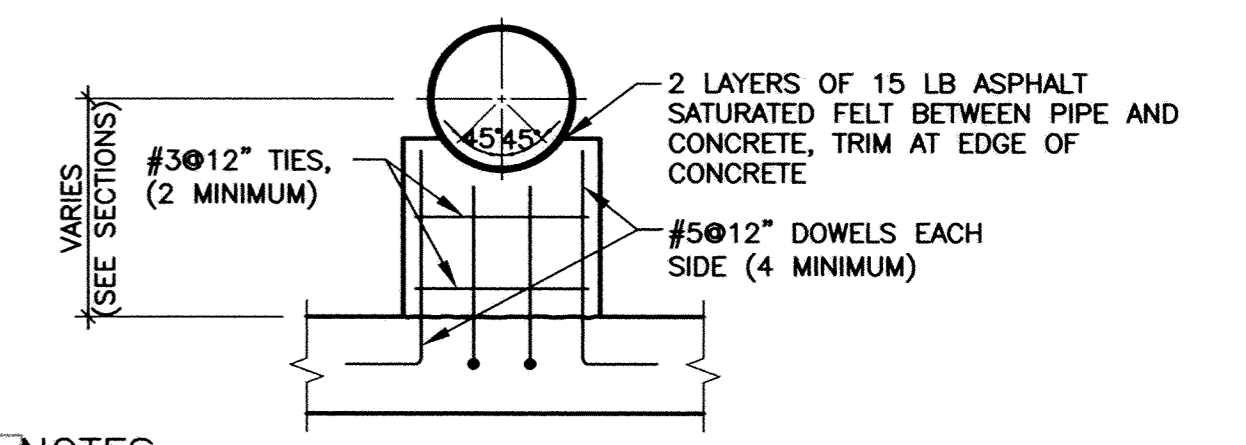
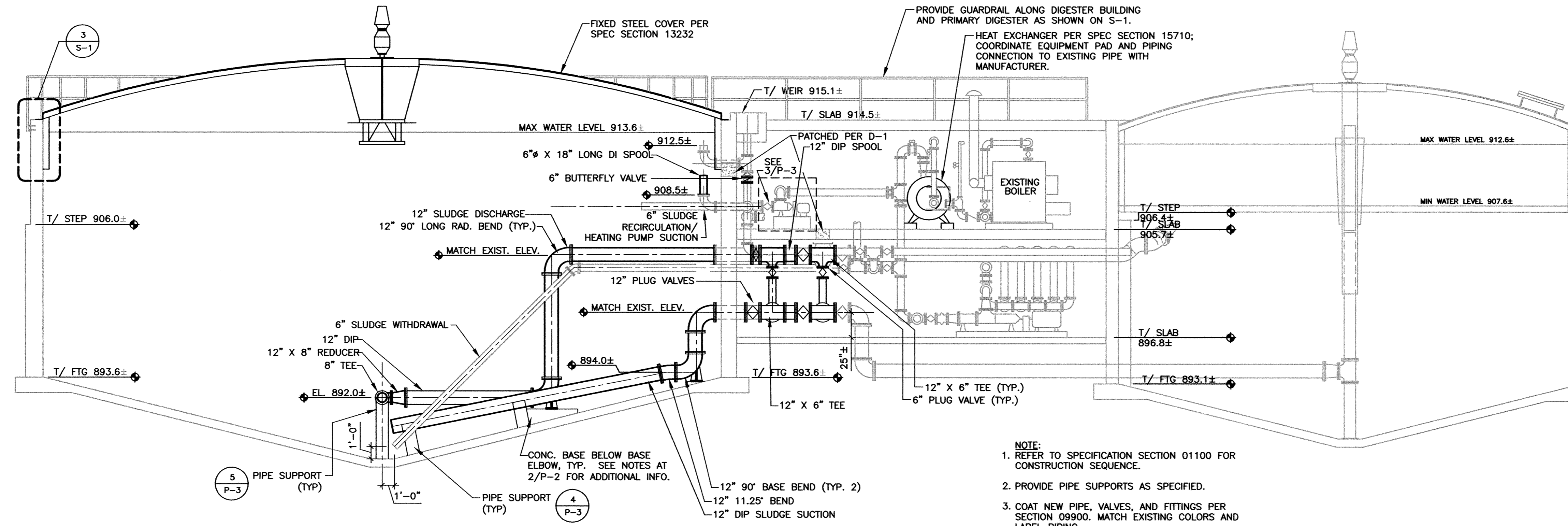
RECORD DRAWING

THIS DRAWING HAS BEEN REVISED TO REPRESENT THE RECORDS OF CONSTRUCTION AS BASED UPON BEST RECORDED INFORMATION AT THE TIME OF COMPLETION OF WORK SET FORTH ON THE DRAWING.

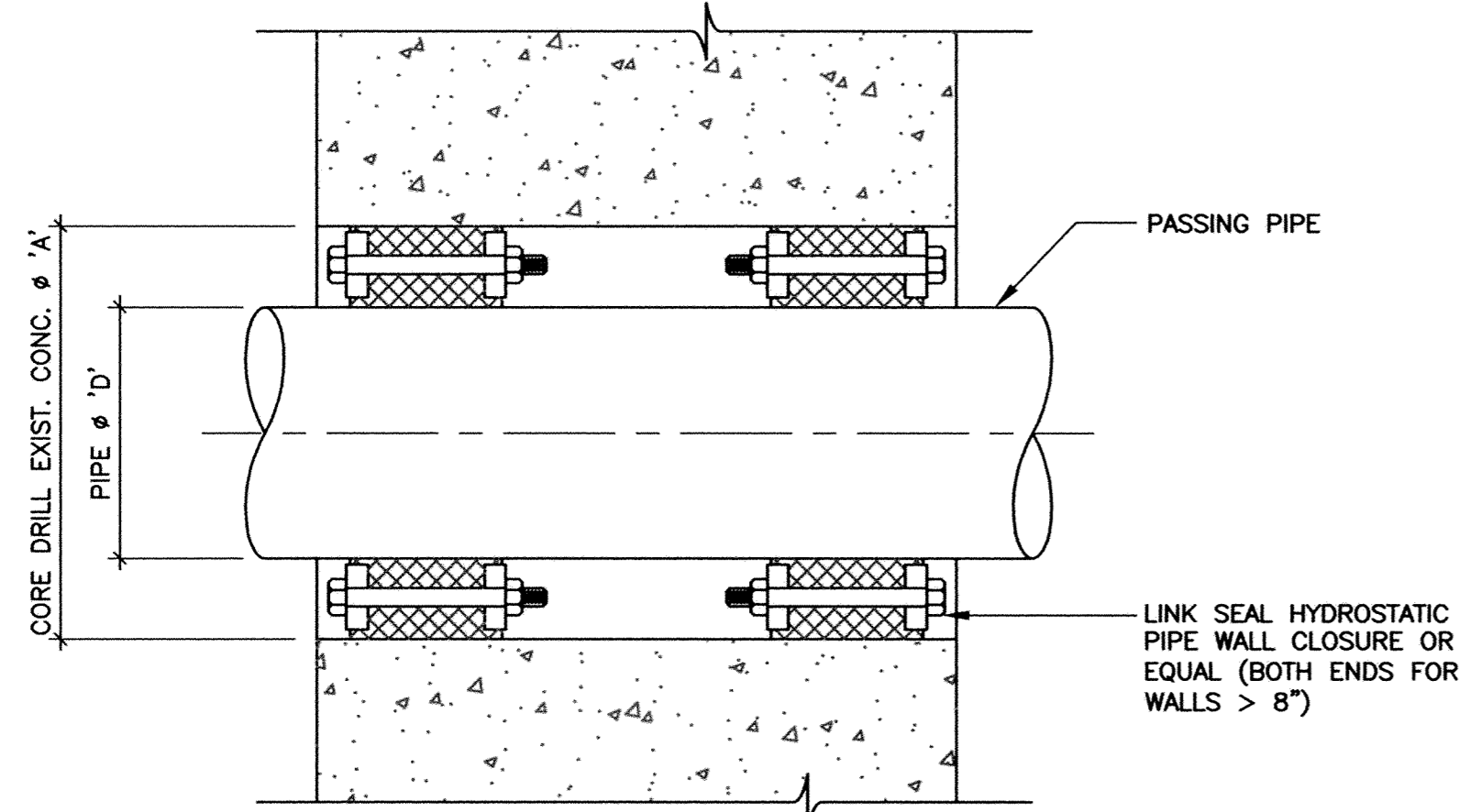
HOWARD R. GREEN COMPANY SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS THAT MAY HAVE BEEN INCORPORATED AS A RESULT OF ERRONEOUS INFORMATION PROVIDED BY OTHERS.



DATE: MAY 2005

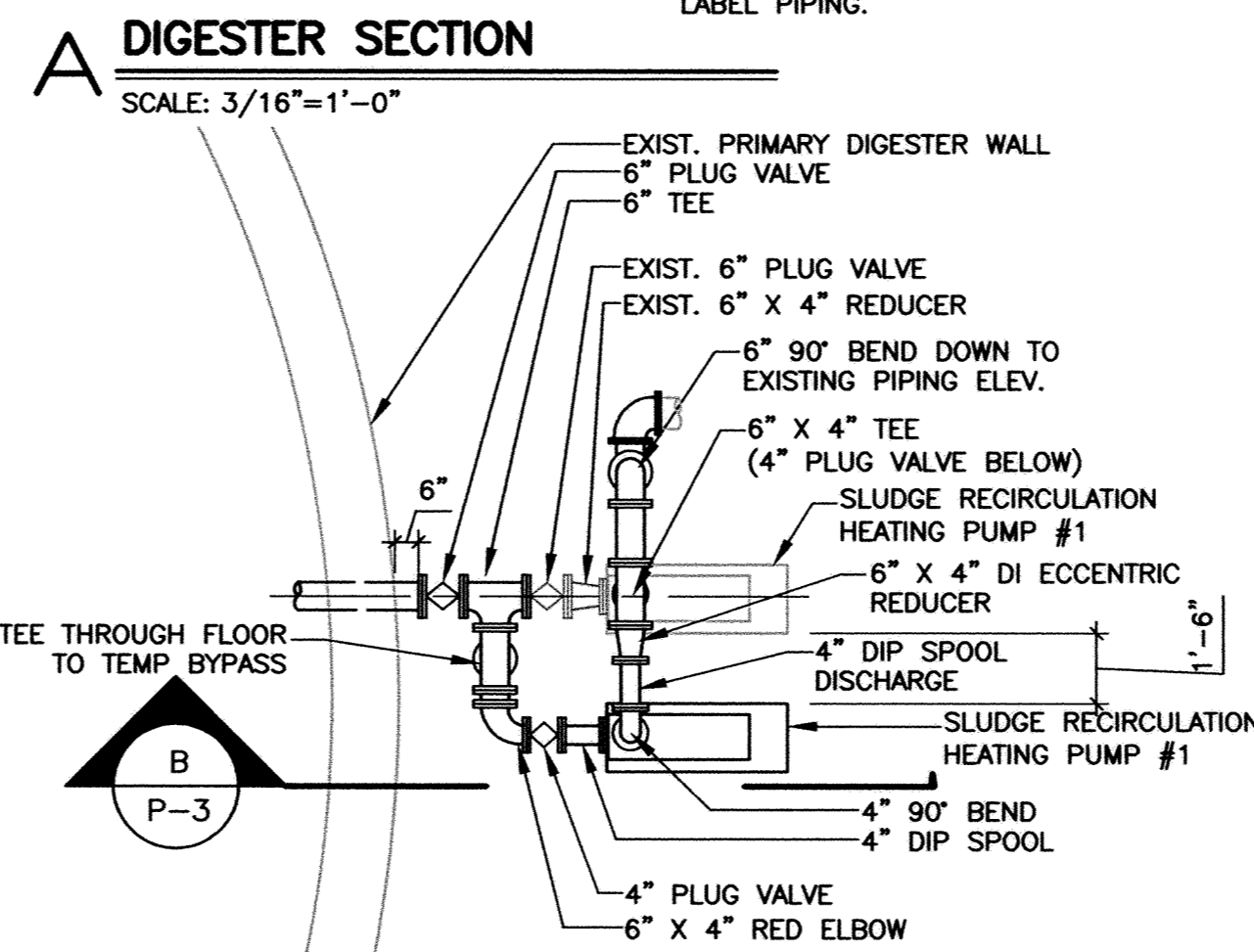


- NOTES:**
- SUPPORT WIDTH, 8" FOR 12" AND SMALLER PIPE, 12" FOR 14" AND LARGER PIPE.
 - SUPPORT LENGTH = PIPE OD + 4" FOR 12" AND SMALLER PIPE, PIPE OD FOR 14" AND LARGER PIPE.
 - WHERE SUPPORT IS TO BE INSTALLED ON AN EXISTING SLAB, PROVIDE ADHESIVE REBAR ANCHORS IN LIEU OF BENT EMBEDDED DOWELS.
 - SPACE ANCHORS AS SPECIFIED IN SECTION 15060.
 - CONTRACTOR MAY SUBSTITUTE STAINLESS STEEL PIPE COLUMN IN LIEU OF CONCRETE SUPPORT PER SECTION 15060.

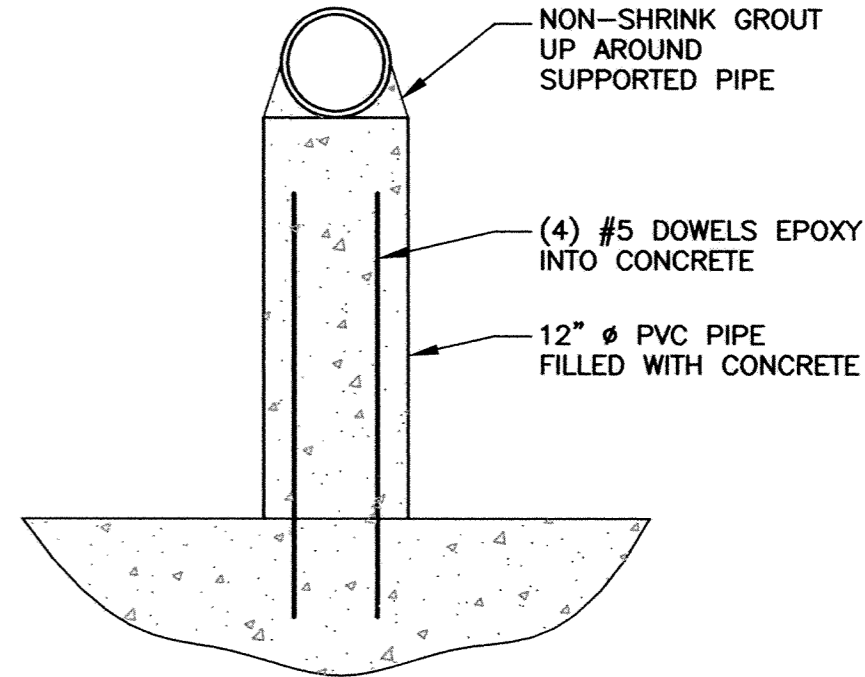


1 WALL PENETRATION DETAIL
SCALE: NTS

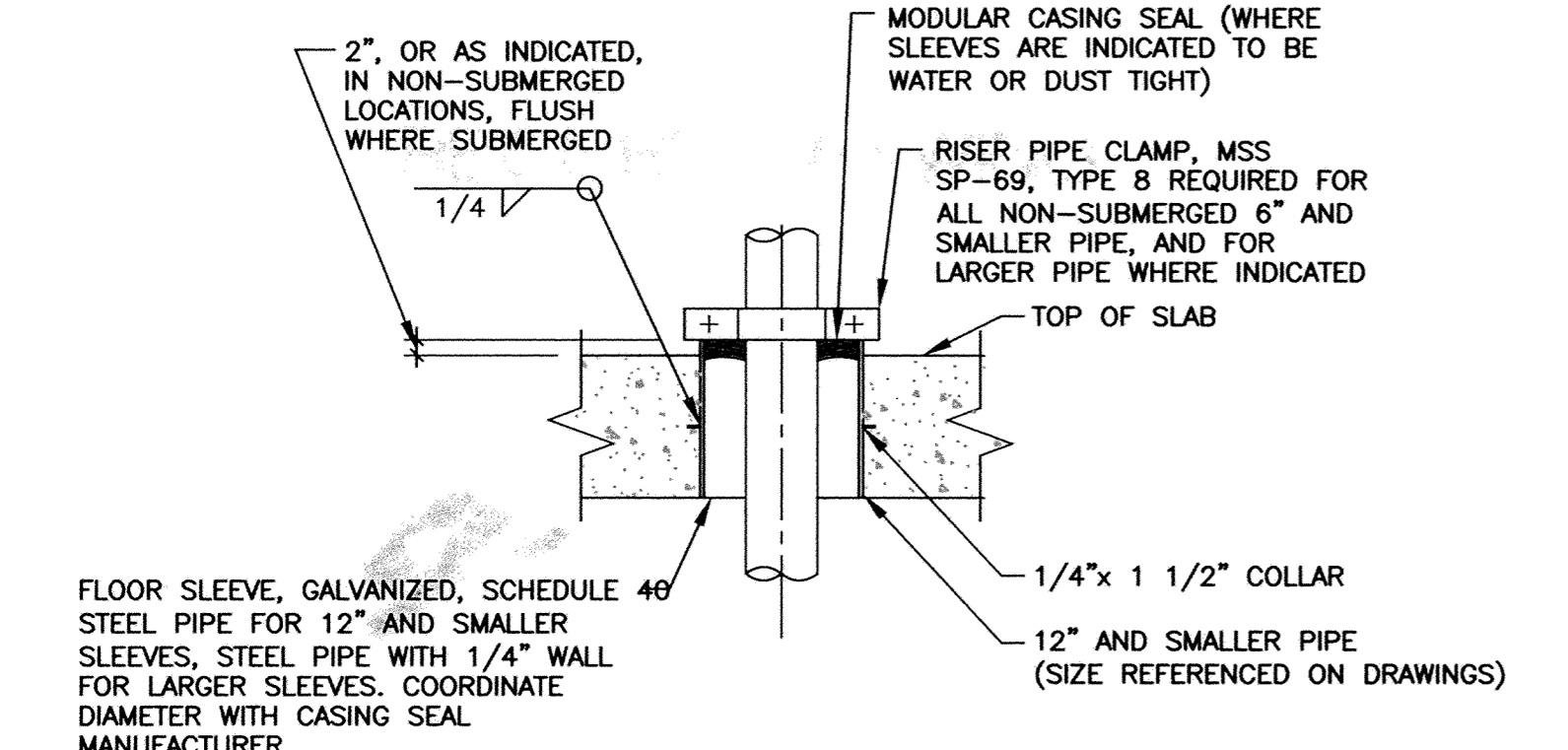
PIPE SIZE "D" (INCH)	CORED DIAMETER "A" (INCH)		
	SP, PVC	DIP	CISP
1	2.5	-	-
1-1/4	3.50	-	-
1-1/2	3.50	-	-
2	4.00	-	4.00
2-1/2	4.00	-	-
3	5.00	5.00	5.00
4	6.00	6.00	6.00
6	10.00	10.00	8.00
8	12.00	12.00	10.00
10	13.25	13.50	13.25
12	15.25	15.50	15.25
14	17.25	19.25	-
16	19.25	21.25	-
18	21.25	23.25	-
20	23.25	25.25	-



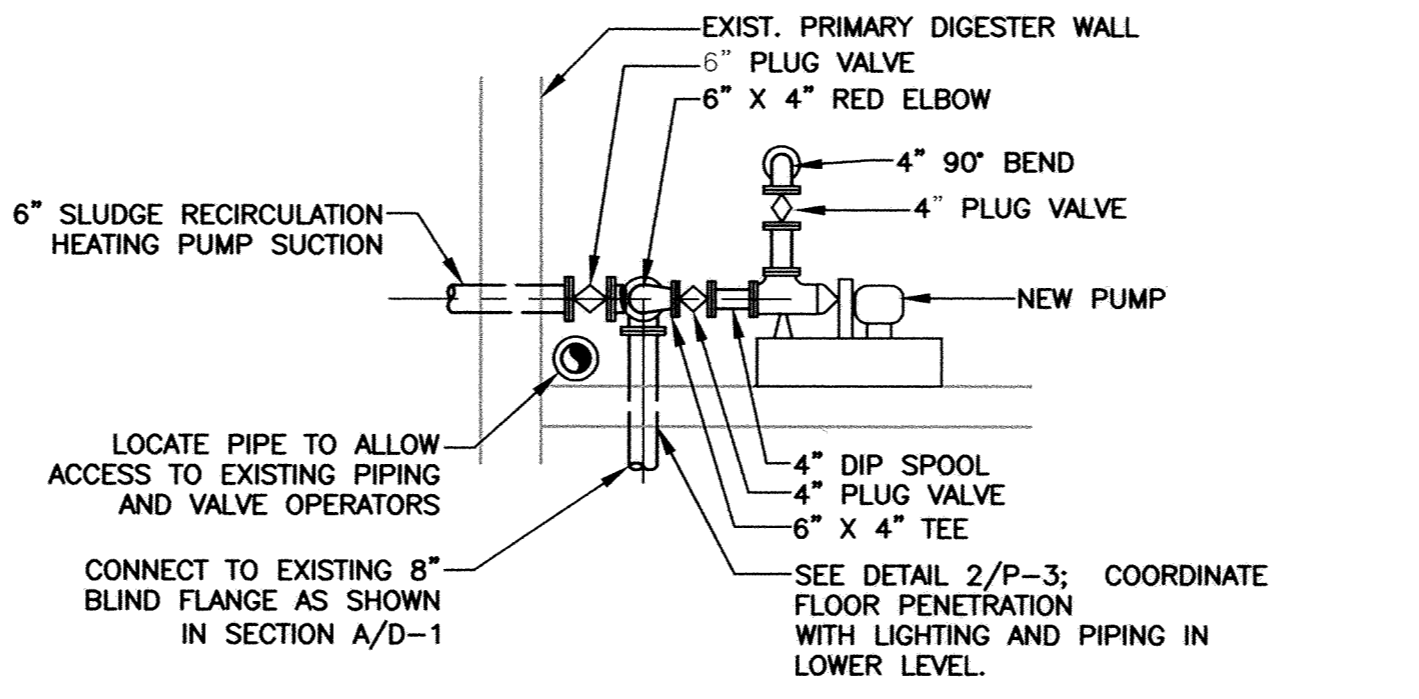
3 SLUDGE RECIRCULATION PUMP DETAIL
SCALE: 1/4" = 1'
NOTE: CONNECT TO EXISTING SEAL WATER PER DETAIL 6/P-3 AND ROUTE TO FLOOR DRAIN. (NEW RECIRCULATION PUMP ONLY.)



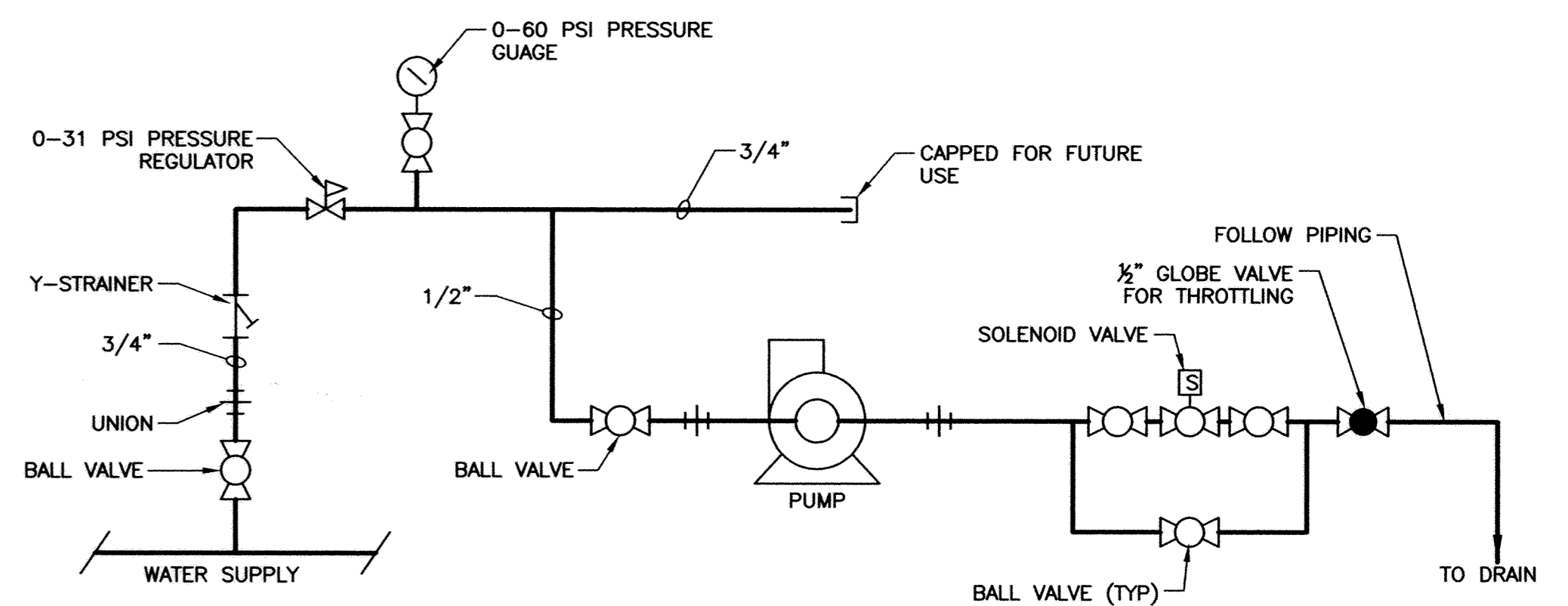
5 PIPE SUPPORT DETAIL
SCALE: NTS



2 FLOOR SLEEVE WITH SEAL
SCALE: NTS



B SLUDGE RECIRCULATION PUMP ELEVATION
SCALE: 1/4" = 1'



6 SEAL WATER SCHEMATIC
SCALE: NO SCALE

DESIGNED BY: DRH DRAWN BY: CRR
 APPROVED BY: JRR JOB NUMBER 822550J
 CAD DATE: June 29, 2006 2:40:33 p.m.
 CAD FILE: 822550J\As-Built\Drawings\P-3-DWG (JMESSE)

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 _____ DATE _____
 PRINTED NAME: JAMES R. RASMUSSEN LIC. NO. 42052

NO.	DATE	BY	REVISION DESCRIPTION
1	05/24/05	DRH	RECORD DRAWINGS

 Howard R. Green Company

WWTP PRIMARY DIGESTER IMPROVEMENTS
 CITY OF ELK RIVER
 ELK RIVER, MINNESOTA 2004

PROCESS
PRIMARY DIGESTER/DIGESTER BUILDING
 SECTION AND DETAILS

SHEET NO.
P-3