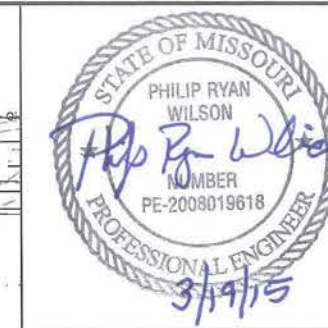
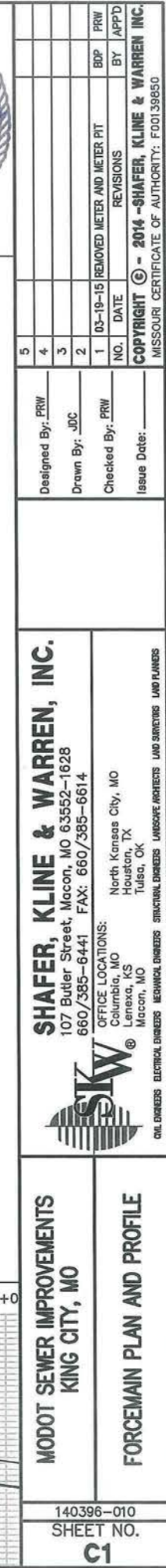
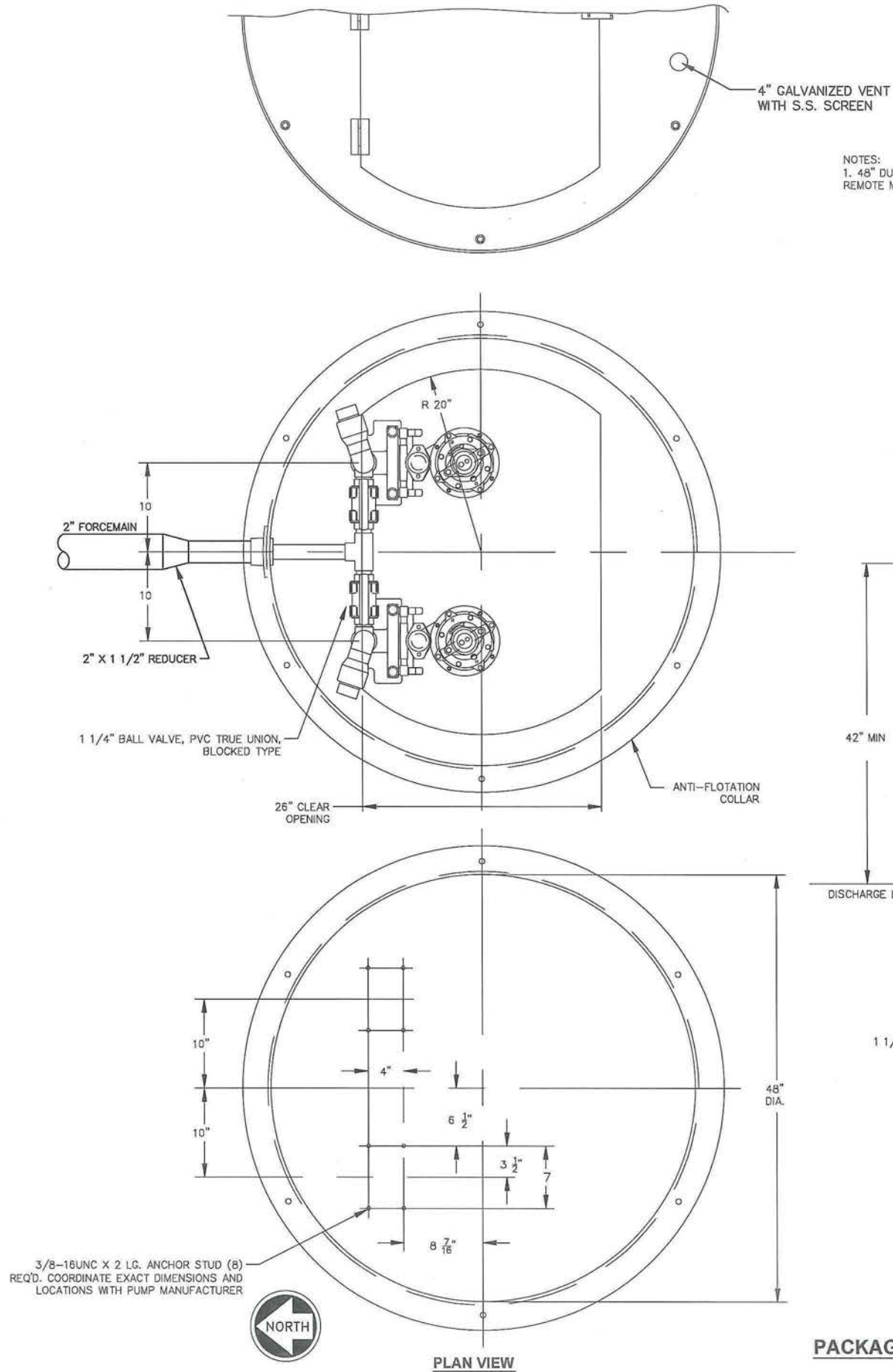




1. SEED & MULCH DISTURBED AREAS.
2. REPLACE ANY DAMAGED CULVERTS.
3. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FOLLOW THE REGULATIONS OF THE MISSOURI DEPARTMENT OF NATURAL RESOURCES REGARDING LAND DISTURBANCE AND, IF REQUIRED, DEVELOP A SWPPP AND OBTAIN A LAND DISTURBANCE PERMIT.
4. SEE SPECIFICATION SECTION 02530 FOR FORCEMAIN MATERIAL REQUIREMENTS.
5. FROM STATION 0+00 TO 4+20 THE FORCEMAIN MAY BE INSTALLED BY OPEN CUT OR DIRECTIONAL BORING. THE REMAINING SHALL BE INSTALLED BY DIRECTIONAL BORE, WITH A MINIMUM AMOUNT OF SURFACE DISTURBANCE.

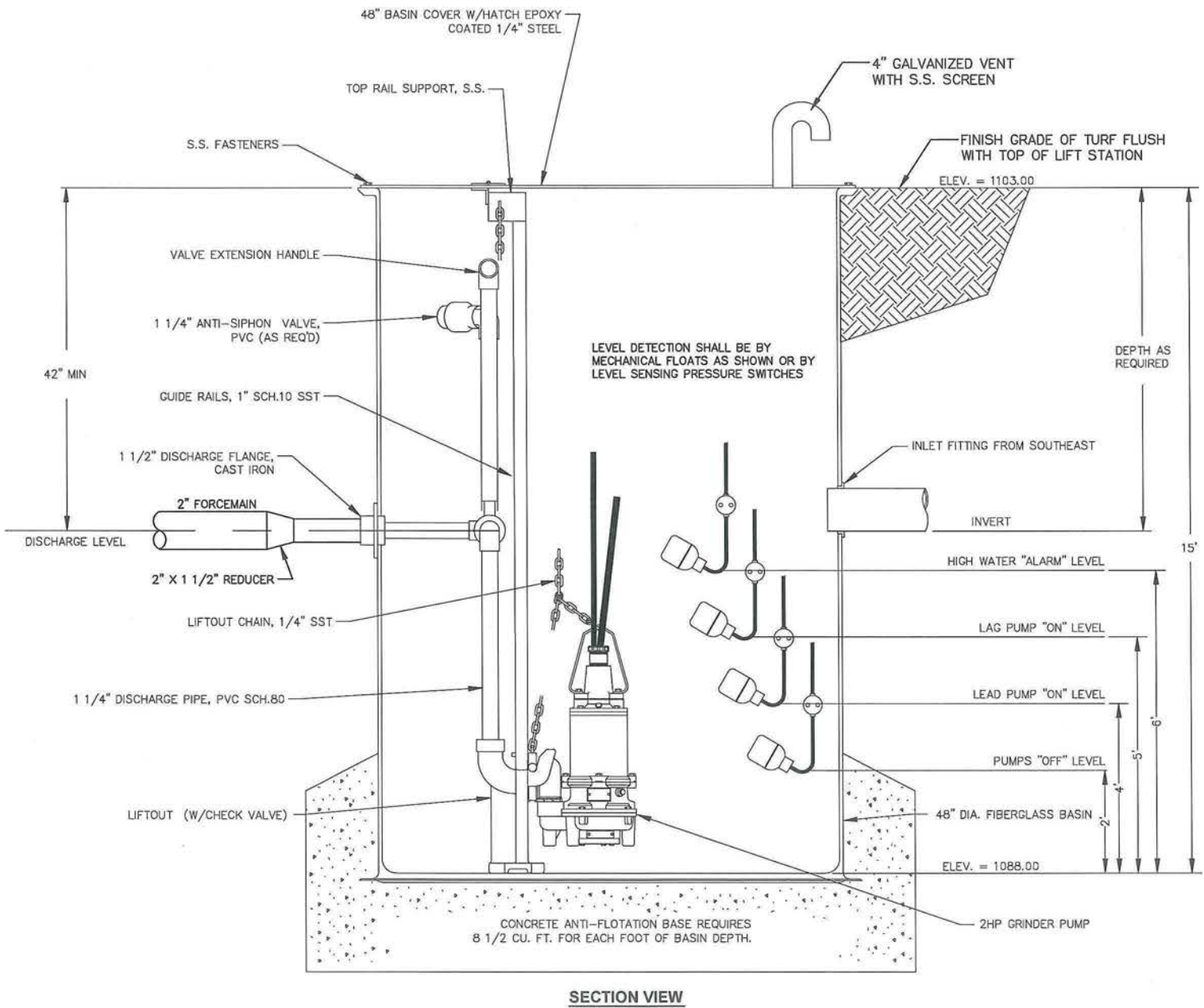


L:\140396-010-CAD\CIVIL\140396-010 PUMP STATION.DWG	DATE: 10/21/2014
LAYOUT: C4	BY: JCARTER
XREF DWG1: NONE	XREF DWG2: NONE
XREF DWG3: NONE	XREF DWG4: NONE

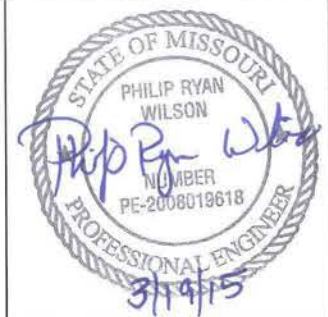


DESCRIPTION	SEWER PUMP STATION
NUMBER OF UNITS	2
RATED TOTAL HEAD (FT) MIN.	45
CAPACITY (PER PUMP) AT RATED TOTAL HEAD (GPM)	20
MINIMUM SHUTOFF HEAD (FT)	60
OPERATING HEAD RANGE (FT)	40-50
(FT) MOTOR POWER (VOLTS/PHASE/HZ)	230/1/60
MAXIMUM NAMEPLATE HORSEPOWER	3
IMPELLER TYPE MINIMUM	GRINDER
DISCHARGE SIZE (INCHES)	1 1/4"

NOTE: MAX (NOMINAL) PUMP OPERATING SPEED AT RATED HEAD SHALL BE 3450 R.P.M.



PACKAGE PUMP STATION PLAN
SCALE: 3/4" = 1'



Designed By: PRW	Drawn By: JUC	Checked By: PRW	Issue Date:
5	4	3	2
1	2	3	4
NO.	DATE	REVISIONS	BY
1	03-19-15	REMOVED METER VAULT AND CONTROL MOUNTING BRACKET	PRW
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MISSOURI CERTIFICATE OF AUTHORITY: F00139850			
SHAFER, KLINE & WARREN, INC. 107 Butler Street, Macon, MO 63552-1628 660/385-6441 FAX: 660/385-6614 OFFICE LOCATIONS: Columbia, MO Lenexa, KS Macon, MO North Kansas City, MO Tulsa, OK CIVIL ENGINEERS ELECTRICAL ENGINEERS MECHANICAL ENGINEERS STRUCTURAL ENGINEERS LANDSCAPE ARCHITECTS LAND SURVEYORS LAND PLANNERS			
MODOT SEWER IMPROVEMENTS KING CITY, MO			
PUMP STATION DETAILS			
140396-010 SHEET NO. C4			

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LAYOUT: C6	BY: JCARTER	DATE:
XREF DWG1: NONE		XREF DWG2: NONE
XREF DWG3: NONE		XREF DWG4: NONE

	DATE: 10/21/2014
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	DATE
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	DATE
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1. OIL/WATER SEPARATOR SHALL BE LOWERED, IF NECESSARY TO ADEQUATE DEPTH FOR CONNECTION FROM EXISTING DRAIN LINE.



**MODOT SEWER IMPROVEMENTS
KING CITY, MO**

DETAILS

140396-010
SHEET NO.
C6