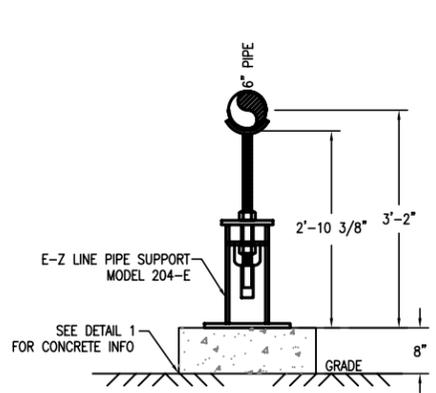
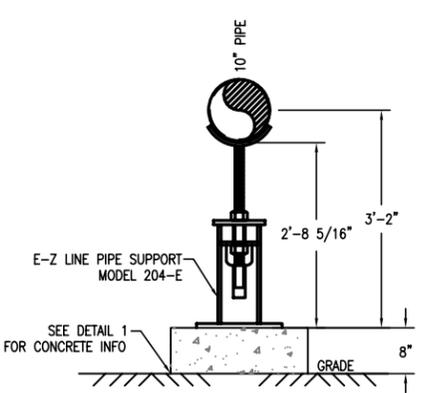


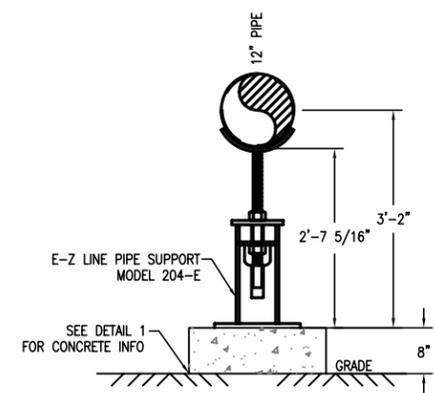
4" PIPE SUPPORT
SCALE: 3/4"=1'-0"
(2) REQUIRED



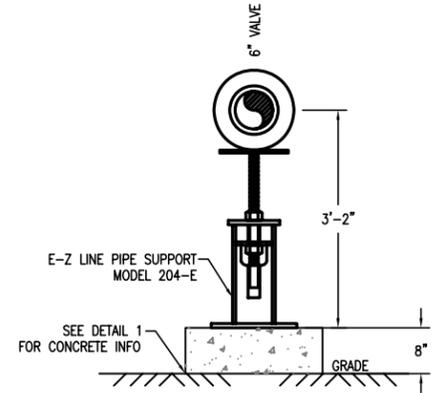
6" PIPE SUPPORT
SCALE: 3/4"=1'-0"
(6) REQUIRED



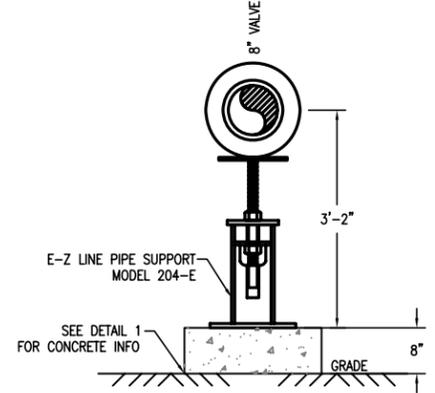
10" PIPE SUPPORT
SCALE: 3/4"=1'-0"
(2) REQUIRED



12" PIPE SUPPORT
SCALE: 3/4"=1'-0"
(2) REQUIRED



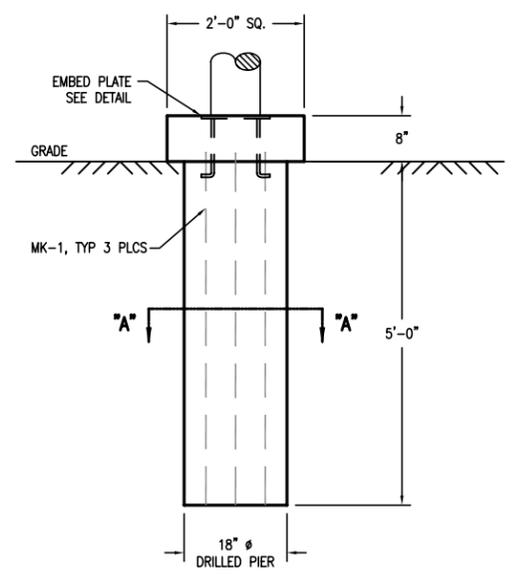
6" VALVE SUPPORT
SCALE: 3/4"=1'-0"
(1) REQUIRED



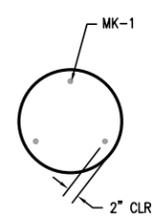
8" VALVE SUPPORT
SCALE: 3/4"=1'-0"
(1) REQUIRED

REINFORCING BAR SCHEDULE				
MARK	QUANTITY	SIZE	LENGTH	BENDING
MK-1	15	#6	5'-0"	STRAIGHT
MK-2	82	#6	2'-0"	STRAIGHT
MK-3	8	#6	14'-0"	STRAIGHT
351' TOTAL REBAR				

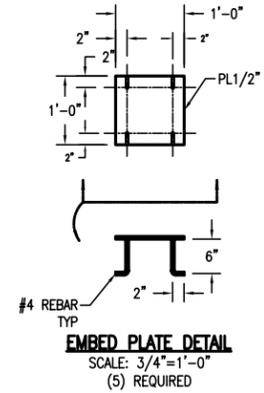
4.87 CU YDS TOTAL CONCRETE



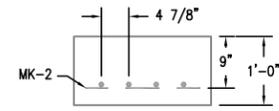
CONCRETE DETAIL 1
SCALE: 3/4"=1'-0"
(5) REQUIRED



SECTION A-A
SCALE: 3/4"=1'-0"



EMBED PLATE DETAIL
SCALE: 3/4"=1'-0"
(5) REQUIRED



CONCRETE SUPPORT
2'-0"W x 2'-0"L x 1'-0"H
(6) REQUIRED

- CONCRETE NOTES:**
1. SOIL: BEARING VALUE TO BE 2000 PSF.
 2. CONCRETE TESTING 3750 POUND PER SQUARE INCH AFTER 28 DAYS. MAXIMUM AGGREGATE.
 3. WOOD FLOAT FINISH, LEAVING NO DEPRESSIONS.
 4. ALL EXPOSED CONCRETE SHALL BE RUBBED WITH A NEAT SAND MIXTURE.
 5. ALL CONCRETE SHALL HAVE A CURING AGENT APPLIED IMMEDIATELY AFTER FINISHING TO ENHANCE CURING.
 6. ALL CONCRETE UNLESS SPECIFIED OTHERWISE IS A 5 1/2 BAG PORTLAND MIX WITH A 3500 PSI MINIMUM 28 DAY COMPRESSIVE STRENGTH (ASTM C39) SUPER PLASTISIZORS ALLOWED WITH ENGINEERING APPROVAL.
 7. NO CONCRETE TO BE POURED WITH A SLUMP GREATER THAN 3" BEFORE PLASTISIZING WITHOUT ENGINEERING APPROVAL.
 8. ALL CONCRETE TO BE AIR EXTRACTED 5% TO 6% (BY VOLUME).
 9. ALL REBAR TO BE ASTM A615 GRADE 60.



CONCRETE SUPPORT
2'-0"W x 14'-0"L x 1'-0"H
(2) REQUIRED

NO.	DATE	BY	REVISION
2	12/10/10	GB	REVISED FONT SIZE
1	11/3/10	GB	AS BUILT- CHANGE PAD THICKNESS

BASIN ELECTRIC POWER COOPERATIVE
A Touchstone Energy® Cooperative

MONTANA-DAKOTA UTILITIES CO.
A Division of MDU Resources Group, Inc.

GAS PIPELINE CONCRETE DETAILS
SHEET 1 OF 2, DEER CREEK STATION

SCALE	DATE	DRAWN BY	APPROVED BY
3/4"=1'	6/2/10	CASSIE PETER	DAVE YEXLEY

DCS-CC-ONG-0001

AS-BUILT

