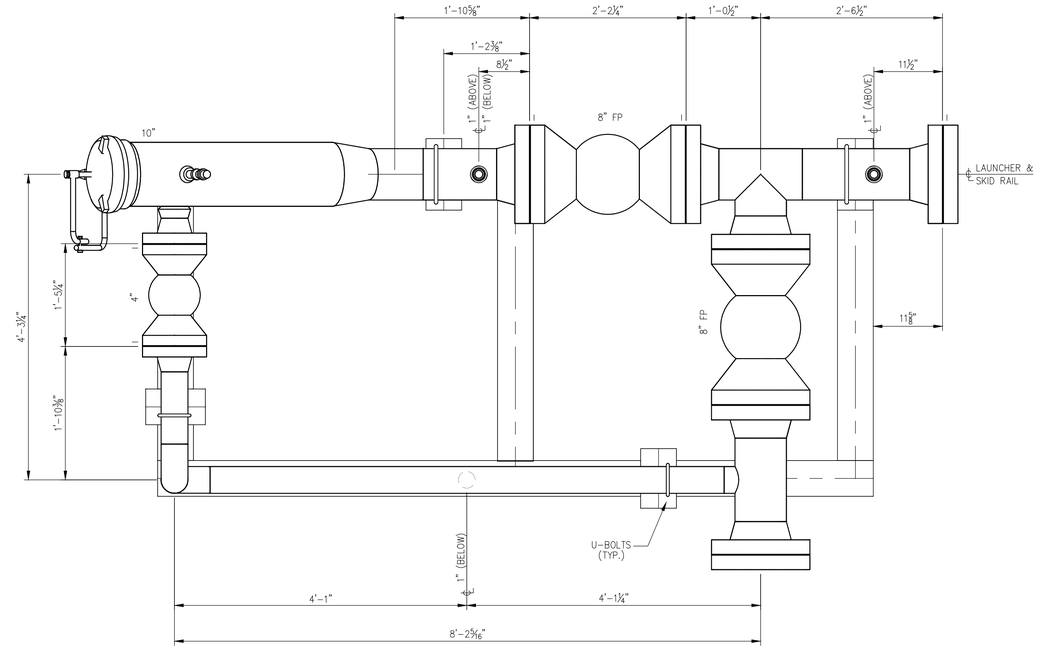
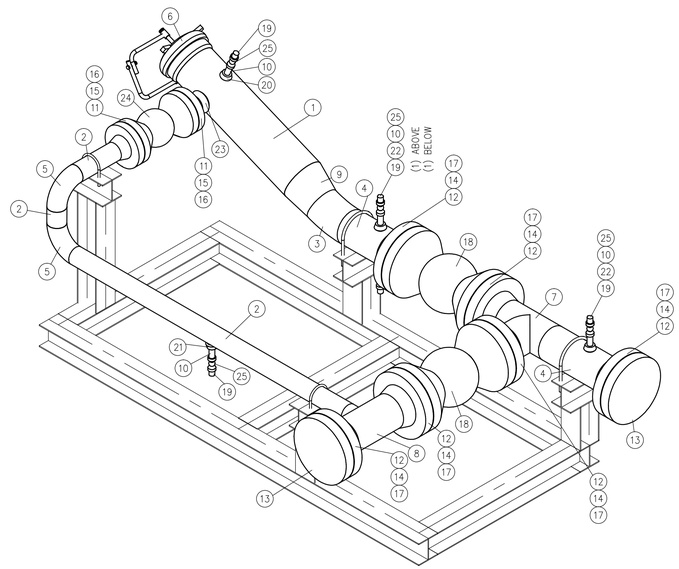


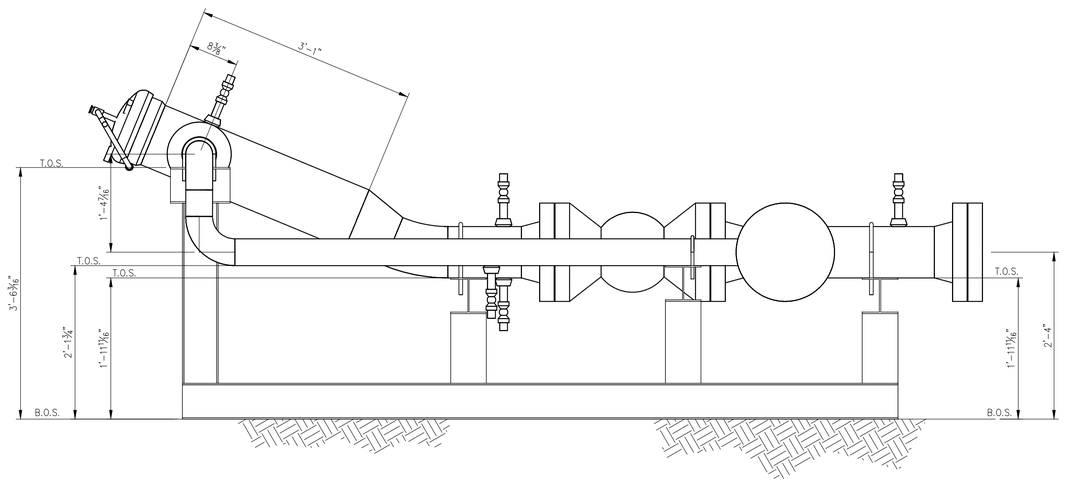

PLAN
SCALE: 1"=1'-0"



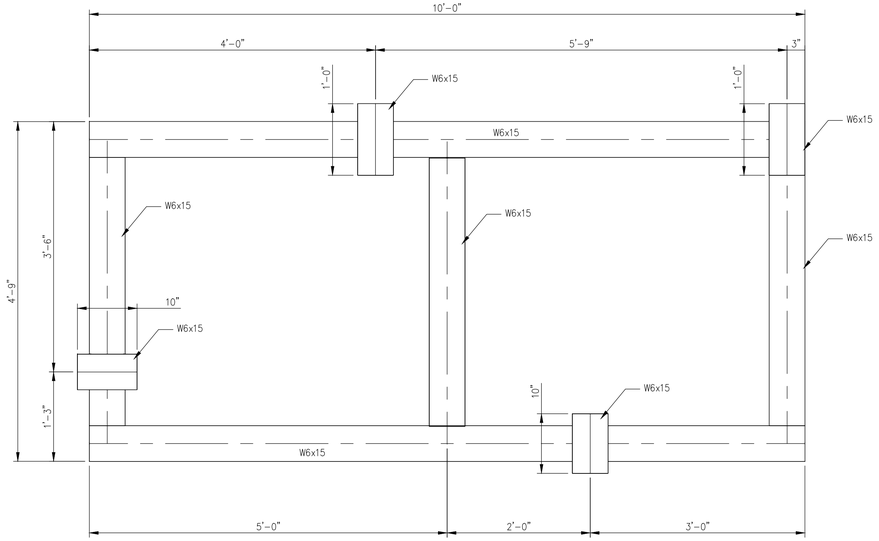

3D VIEW
SCALE: NTS

BILL OF MATERIAL

| MARK | QTY | SIZE | DESCRIPTION | LENGTH |
|---|---|---|---|---|
| 1 | 1 | 10" | PIPE, S/80, SEAMLESS, A106 GRADE B | 3'-1" |
| 2 | 1 | 4" | PIPE, XS, SEAMLESS, A106 GRADE B | 8'-7" |
| 3 | 1 | 8" | ELBOW, 22.5°, A234 WPB, B16.9 | |
| 4 | 1 | 8" | PIPE, XS, SEAMLESS, A106 GRADE B | 2'-7" |
| 5 | 2 | 4" | ELBOW, 90°, LR, XS, A234 WPB, B16.9 | |
| 6 | 1 | 10 | 10" VERTICLE 600# CLOSURE | |
| 7 | 1 | 8" | TEE, XS, A234 WPB, B16.9 | |
| 8 | 1 | 8"x4" | TEE, REDUCING, XSxXS, A234 WPB, B16.9 | |
| 9 | 1 | 10"x8" | REDUCER, ECCENTRIC, S/80xXS, A234 WPB, B16.9 | |
| 10 | 5 | 1" | 4" NIPPLE, XS, SEAMLESS, A106 GRADE B, TBE | |
| 11 | 2 | 4" | FLG, WELD NECK, RF, CLASS 600, XS-BORE, A105, B16.5 | |
| 12 | 6 | 8" | FLG, WELD NECK, RF, CLASS 600, XS-BORE, A105, B16.5 | |
| 13 | 2 | 8" | FLG, BLIND, RF, CLASS 600, A105, B16.5 | |
| 14 | 6 | 8" | (12) 1 1/8" x 8" STUD BOLTS, A193 GRADE B7, W/A194 2H NUTS, (FOR CLASS 600) | |
| 15 | 2 | 4" | (8) 7/8" x 6 1/2" STUD BOLTS, A193 GRADE B7, W/A194 2H NUTS, (FOR CLASS 600) | |
| 16 | 2 | 4" | GASKET, CLASS 600, 1/8" THK, SPIRALWOUND W/304 SS, CHLORITE/GRAPHITE FILLER, FLEXITALLIC STYLE CG OR EQUAL, API 601, ASME B16.5 | |
| 17 | 6 | 8" | GASKET, CLASS 600, 1/8" THK, SPIRALWOUND W/304 SS, CHLORITE/GRAPHITE FILLER, FLEXITALLIC STYLE CG OR EQUAL, API 601, ASME B16.5 | |
| 18 | 2 | 8" | BALL VALVE, CLASS 600, RFFE, TRUNNION MTD. BALL, FULL PORT, GEAR OPERATOR, CS | |
| 19 | 5 | 1" | PLUG, SOLID HEX HEAD, MNPT, A105, B16.11 | |
| 20 | 1 | 10"x1" | THREDOLET, CLASS 3000, A105, MSS-SP-97 | |
| 21 | 1 | 4"x1" | THREDOLET, CLASS 3000, A105, MSS-SP-97 | |
| 22 | 3 | 8"x1" | THREDOLET, CLASS 3000, A105, MSS-SP-97 | |
| 23 | 1 | 10"x4" | WELDOLET, S/80 (RUN) x XS (BRANCH), A105, MSS-SP-97 | |
| 24 | 1 | 4" | BALL VALVE, CLASS 600, RFFE, TRUNNION MTD. BALL, REDUCED PORT, CS | |
| 25 | 5 | 1" | BALL VALVE, 2000 CWP (WOG), THRD, CONVENTIONAL PORT, CS | |




ELEVATION
SCALE: 1"=1'-0"




SKID PLAN VIEW
SCALE: 1"=1'-0"

GWD
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EFFICIENCY THROUGH ENGINEERING & DESIGN

| REFERENCE DRAWINGS | No | REVISIONS | BY | CHKD | PM | DATE |
|---|---|---|---|---|---|---|
| | 1 | | | | | |
| | 2 | | | | | |
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| | 4 | | | | | |
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| | 0 | ISSUED FOR CONSTRUCTION | SLH | JDW | JDW | 7/12/13 |

SUMMIT MIDSTREAM

DIVIDE COUNTY, ND
SM ENERGY GATHERING
FABRICATION DRAWING
8"-600# PIG LAUNCHER

| FILE NUMBER | DRAWING NUMBER | SCALE | REVISION |
|---|---|---|---|
| SME-PI-3207 | SME-PI-3207 | AS NOTED | 0 |