

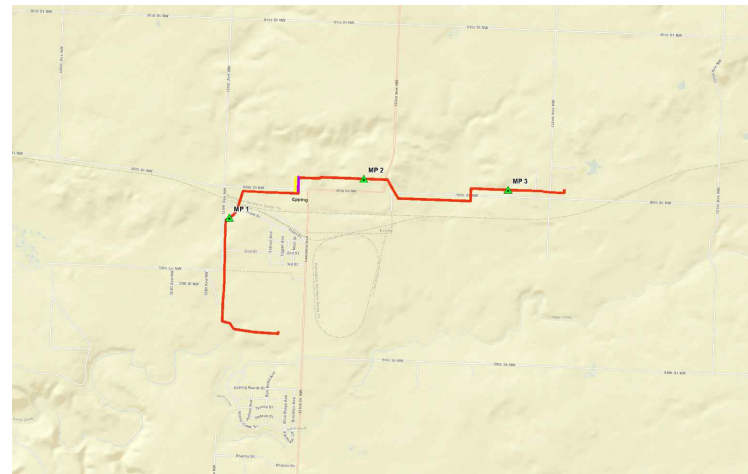
# Summit DAPL Connection Pipeline

## ISSUED FOR RECORD

### 8/14/2017

### REV. 1

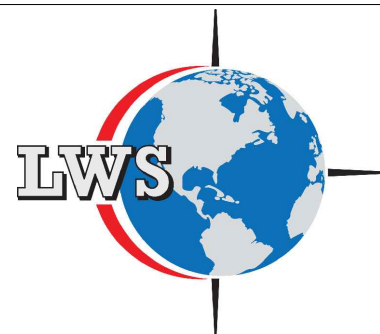
| DRAWING LIST                      |                 |      |         |
|-----------------------------------|-----------------|------|---------|
| DRAWING NO.                       | DRAWING TITLE   | REV. | DATE    |
| 51667-REC-COVER-COVER             | COVER SHEET     | 1    | 8/14/17 |
| 51667-DAPL-RECORD VICINITY MAP    | INDEX SHEET     | 1    | 8/14/17 |
| 51667-REC-DAPL-001                | ALIGNMENT SHEET | 1    | 8/14/17 |
| 51667-REC-DAPL-002                | ALIGNMENT SHEET | 1    | 8/14/17 |
| 51667-REC-DAPL-003                | ALIGNMENT SHEET | 1    | 8/14/17 |
| 51667-REC-DAPL-004                | ALIGNMENT SHEET | 1    | 8/14/17 |
| 51667-REC-DAPL-005                | ALIGNMENT SHEET | 1    | 8/14/17 |
| 51667-REC-DAPL-006                | ALIGNMENT SHEET | 1    | 8/14/17 |
| 51667-REC-DAPL-007                | ALIGNMENT SHEET | 1    | 8/14/17 |
| 51667-REC-DAPL-DATA SHEETS 1 OF 5 | DATA SHEET      | 1    | 8/14/17 |
| 51667-REC-DAPL-DATA SHEETS 2 OF 5 | DATA SHEET      | 1    | 8/14/17 |
| 51667-REC-DAPL-DATA SHEETS 3 OF 5 | DATA SHEET      | 1    | 8/14/17 |
| 51667-REC-DAPL-DATA SHEETS 4 OF 5 | DATA SHEET      | 1    | 8/14/17 |
| 51667-REC-DAPL-DATA SHEETS 5 OF 5 | DATA SHEET      | 1    | 8/14/17 |
| 51667-REC-COLT-001                | ALIGNMENT SHEET | 1    | 8/14/17 |
| 51667-REC-COLT-DATA SHEETS        | DATA SHEET      | 1    | 8/14/17 |
| 51667-REC-DIVIDE-001              | ALIGNMENT SHEET | 1    | 8/14/17 |
| 51667-REC-DIVIDE-DATA SHEETS      | DATA SHEET      | 1    | 8/14/17 |



VICINITY MAP N.T.S



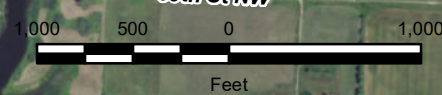
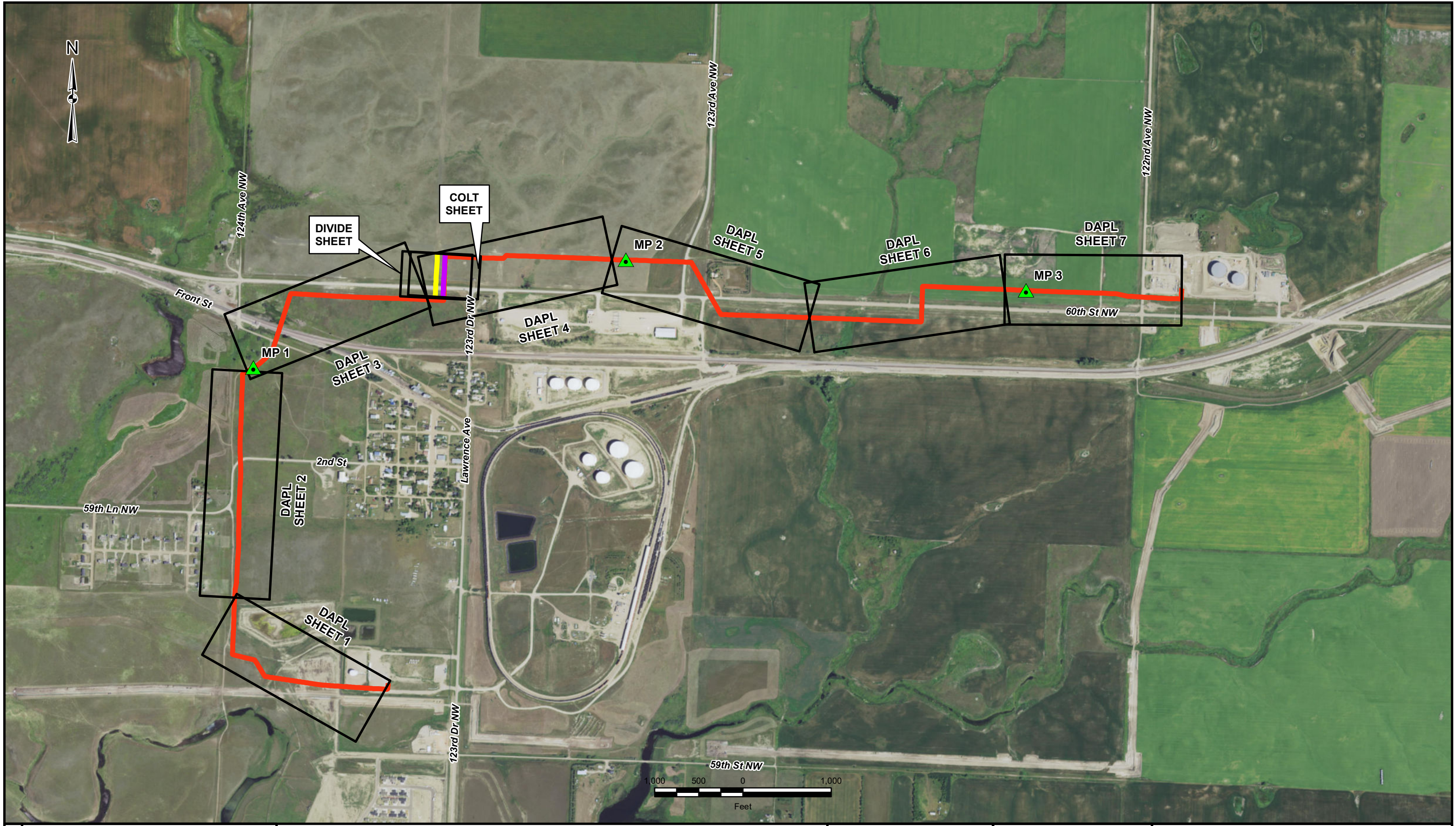
Know what's below.  
Call before you dig.



LW Survey Co.  
12345 W. Alameda Pkwy, Suite 205  
Lakewood, CO 80228






75 PU-16-614 Filed 11/02/2022 Pages: 18  
Maps  
Summit Midstream Partners  
Nathan Brady, Landman





**NOTES**


BASIS OF BEARINGS:  
NAD 1983 STATE PLANE NORTH DAKOTA US FEET

- LEGEND**
-  MP
  -  SHEETS
  -  8" COLT PIPELINE
  -  8" DIVIDE PIPELINE
  -  12" DAPL PIPELINE

12345 W ALAMEDA PKWY.  
SUITE 205  
LAKEWOOD, CO 80228  
303.658.0358

DRAWN BY: PHG    CHECKED BY: APB    APPROVED BY: XXX

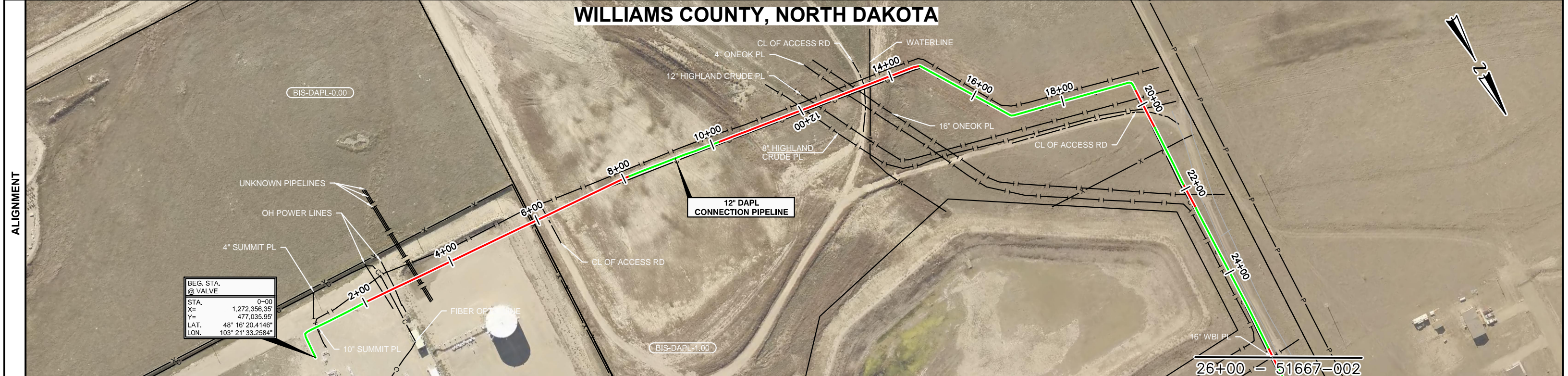
**PROJECT OVERVIEW MAP  
RECORDED 12" DAPL, 8" COLT, &  
8" DIVIDE CONNECTION PIPELINE  
WILLIAMS COUNTY, NORTH DAKOTA**



999 18TH STREET, SUITE 3400S,  
DENVER, CO 80202

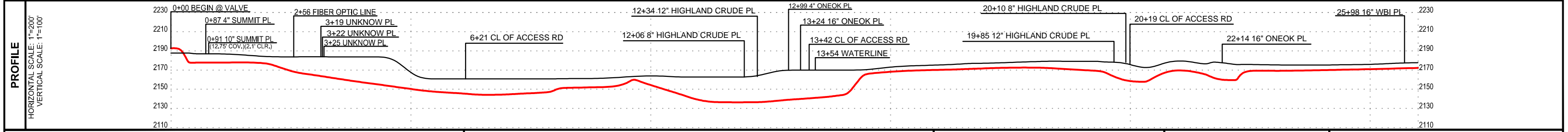
| OWNERSHIP  | BIS-DAPL-0.00       |      | BIS-DAPL-1.00               |       |
|------------|---------------------|------|-----------------------------|-------|
|            | POLAR MIDSTREAM LLC |      | CRAIG A. & DANIELLE R. MOEN |       |
| STATIONING | 0+00                | 5+65 | 122.15 RODS                 | 26+00 |

|   |   |   |   |   |   |
|---|---|---|---|---|---|
| 0+00 BEGIN STA.                               | 8+04 P.I. P.L. < 3'43'00" RT.           | 14+58 P.I. P.L. < 7'53'33" RT.          | 16+85 P.L. < 4'33'22" LT.               | 19+44 P.L. < 26'42'34" RT.              | 21+05 FENCE                             |
| 0+02 TEE (12.75" O.D. X 0.375" W.T.), 5.6L.T. | 9+36 P.I. P.L. < 2'30'08" RT.           | 14+72 P.I. P.L. < 4'11'42" RT.          | 16+89 P.L. < 3'14'22" LT.               | 19+49 P.L. < 42'17'05" RT.              | 21+43 P.L. < 1'18'21" RT.               |
| 0+42 45° INDUCTION BEND (SAG)                 | 9+61 P.I. P.L. < 2'03'56" LT.           | 14+72 END 0.500" W.T. BEGIN 0.375" W.T. | 16+99 45° SEGMENTED BEND (SB LEFT)      | 19+54 P.L. < 9'28'59" RT.               | 21+79 P.L. < 2'04'05" LT.               |
| 0+53 P.I. P.L. < 15'05'50" RT.                | 9+63 END 0.375" W.T. BEGIN 0.500" W.T.  | 12+06 8" HIGHLAND CRUDE PL              | 16+94 P.L. < 8'12'48" LT.               | 19+85 12" HIGHLAND CRUDE PL             | 22+45 P.L. < 2'27'02" RT.               |
| 0+59 90° INDUCTION BEND (SB RIGHT)            | 12+34 12" HIGHLAND CRUDE PL             | 12+99 4" ONEOK PL                       | 17+39 P.L. < 1'08'03" LT.               | 20+08 END 0.375" W.T. BEGIN 0.500" W.T. | 22+45 P.L. < 2'27'02" RT.               |
| 0+66 P.I. P.L. < 14'44'15" RT.                | 12+99 4" ONEOK PL                       | 13+24 16" ONEOK PL                      | 17+83 P.L. < 1'42'12" RT.               | 20+10 8" HIGHLAND CRUDE PL              | 22+80 END 0.375" W.T. BEGIN 0.500" W.T. |
| 0+76 P.I. P.L. < 1'34'01" RT.                 | 13+42 CL OF ACCESS RD                   | 13+42 CL OF ACCESS RD                   | 19+44 P.L. < 26'42'34" RT.              | 20+19 CL OF ACCESS RD                   | 25+98 16" WBI PL                        |
| 0+87 4" SUMMIT PL                             | 13+54 WATERLINE                         | 14+58 P.I. P.L. < 7'53'33" RT.          | 19+49 P.L. < 42'17'05" RT.              | 20+19 CL OF ACCESS RD                   |   |
| 0+91 10" SUMMIT PL (12.75" COV.)(2.1" CLR.)   | 14+58 P.I. P.L. < 7'53'33" RT.          | 14+72 P.I. P.L. < 4'11'42" RT.          | 19+54 P.L. < 9'28'59" RT.               | 21+05 FENCE                             |   |
| 1+61 P.I. P.L. < 1'22'52" LT.                 | 14+72 END 0.500" W.T. BEGIN 0.375" W.T. | 16+85 P.L. < 4'33'22" LT.               | 19+85 12" HIGHLAND CRUDE PL             | 21+43 P.L. < 1'18'21" RT.               |   |
| 2+05 P.I. P.L. < 2'16'54" RT.                 | 12+06 8" HIGHLAND CRUDE PL              | 16+89 45° SEGMENTED BEND (SB LEFT)      | 20+08 END 0.375" W.T. BEGIN 0.500" W.T. | 21+79 P.L. < 2'04'05" LT.               |   |
| 2+44 OVERHEAD POWERLINE                       | 12+34 12" HIGHLAND CRUDE PL             | 16+94 P.L. < 8'12'48" LT.               | 20+10 8" HIGHLAND CRUDE PL              | 22+45 P.L. < 2'27'02" RT.               |   |
| 2+56 FIBER OPTIC LINE                         | 12+99 4" ONEOK PL                       | 17+39 P.L. < 1'08'03" LT.               | 20+19 CL OF ACCESS RD                   | 22+80 END 0.375" W.T. BEGIN 0.500" W.T. |   |
| 2+70 OVERHEAD POWERLINE                       | 13+24 16" ONEOK PL                      | 17+83 P.L. < 1'42'12" RT.               | 21+05 FENCE                             |   |   |
| 3+19 UNKNOWN PL                               | 13+42 CL OF ACCESS RD                   | 19+44 P.L. < 26'42'34" RT.              | 21+43 P.L. < 1'18'21" RT.               |   |   |
| 3+22 UNKNOWN PL                               | 13+54 WATERLINE                         | 19+49 P.L. < 42'17'05" RT.              | 21+79 P.L. < 2'04'05" LT.               |   |   |
| 3+25 UNKNOWN PL                               | 14+58 P.I. P.L. < 7'53'33" RT.          | 19+54 P.L. < 9'28'59" RT.               | 22+45 P.L. < 2'27'02" RT.               |   |   |
| 5+87 FENCE                                    | 14+72 P.I. P.L. < 4'11'42" RT.          | 19+85 12" HIGHLAND CRUDE PL             | 22+80 END 0.375" W.T. BEGIN 0.500" W.T. |   |   |
| 5+91 FENCE                                    | 16+85 P.L. < 4'33'22" LT.               | 20+08 END 0.375" W.T. BEGIN 0.500" W.T. |   |   |   |
| 6+21 CL OF ACCESS RD                          | 16+89 45° SEGMENTED BEND (SB LEFT)      | 20+10 8" HIGHLAND CRUDE PL              |   |   |   |



| MATERIALS | ①    | ③    | ①    | ③    | ①    | ③   | ①    | ③   | ①    | ③   |
|-----------|------|------|------|------|------|-----|------|-----|------|-----|
|           | 205' | 609' | 200' | 458' | 492' | 91' | 135' | 55' | 336' | 20' |

| COVER | 0+00 | 0+25 | 0+34 | 0+41 | 0+48 | 0+61 | 1+56 | 2+00 | 2+47 | 2+91 | 3+35 | 3+78 | 4+22 | 4+66 | 5+10 | 5+54 | 5+97 | 6+41 | 7+29 | 7+73 | 8+06 | 8+84 | 9+28 | 10+04 | 10+48 | 10+91 | 11+34 | 11+77 | 12+63 | 13+07 | 13+50 | 13+93 | 14+54 | 14+98 | 16+33 | 16+67 | 16+76 | 17+21 | 17+65 | 18+11 | 18+36 | 18+81 | 19+26 | 19+90 | 20+36 | 20+77 | 21+22 | 21+68 | 21+82 | 22+12 | 22+23 | 22+34 | 23+15 | 23+60 | 24+05 | 25+39 | 25+55 | 26+00 |
|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|       | -5   | -1.5 | 7    | 10   | 9.5  | 9    | 7.5  | 6.5  | 14   | 18.5 | 22   | 25   | 28   | 31   | 11   | 13.5 | 15   | 16.5 | 15.5 | 14.5 | 9.5  | 9    | 9.5  | 11    | 15.5  | 22.5  | 26    | 26.5  | 32    | 30.5  | 28.5  | 26.5  | 3.5   | 5     | 5.5   | 6     | 5.5   | 5     | 5.5   | 6.5   | 7.5   | 8.5   | 10    | 19    | 11.5  | 9.5   | 10    | 15.5  | 0     | 17    | 7     | 6.5   | 6     | 5.5   | 5     | 5.5   | 0     |       |



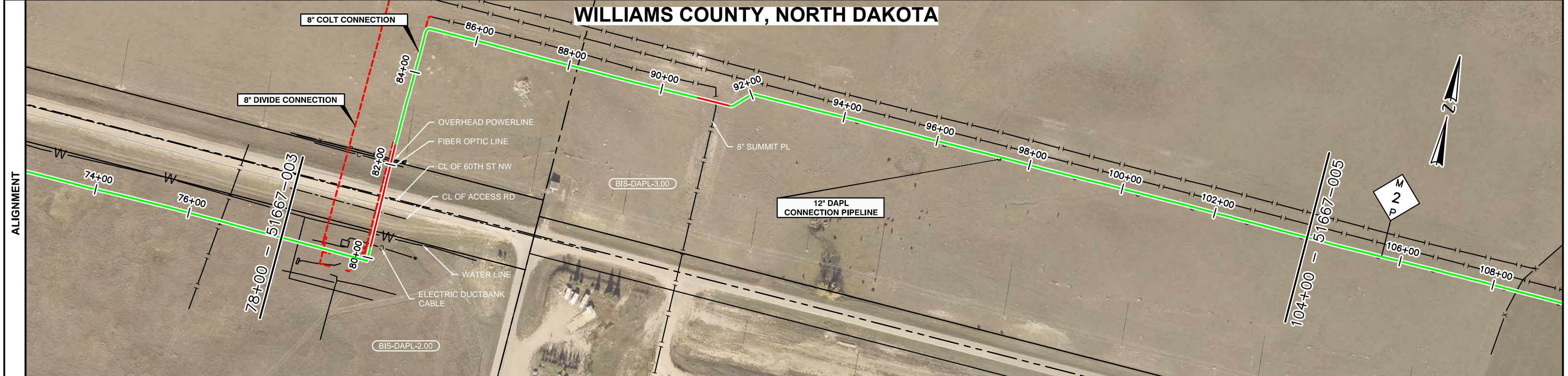
| SECTION LINE |     |     |     | SUMMIT NG |     |     |     | MATERIAL SUMMARY |       |   |      | REVISIONS |             |     |          |                   |
|--------------|-----|-----|-----|-----------|-----|-----|-----|------------------|-------|---|------|-----------|-------------|-----|----------|-------------------|
| ---          | --- | --- | --- | ---       | --- | --- | --- | MARK             | QTY.  | DESCRIPTION   | MARK | QTY.      | DESCRIPTION | NO. | DATE     | DESCRIPTION       |
| ---          | --- | --- | --- | ---       | --- | --- | --- | 1                | 1368' | 12" O.D. x 0.375" W.T., XS2, API 5L PSL2, HFV PIPE (WITH FBE COATING) | -    | -         | -           | 0   | 08/11/17 | ISSUED FOR RECORD |
| ---          | --- | --- | --- | ---       | --- | --- | --- | 3                | 1232' | 12" O.D. x 0.500" W.T., XS2, API 5L PSL2, HLW PIPE (WITH ARO COATING) | -    | -         | -           | 1   | 08/14/17 | ISSUED FOR RECORD |
| ---          | --- | --- | --- | ---       | --- | --- | --- | -                | -     | -   | -    | -         | -           | 2   | 08/29/17 | ISSUED FOR RECORD |





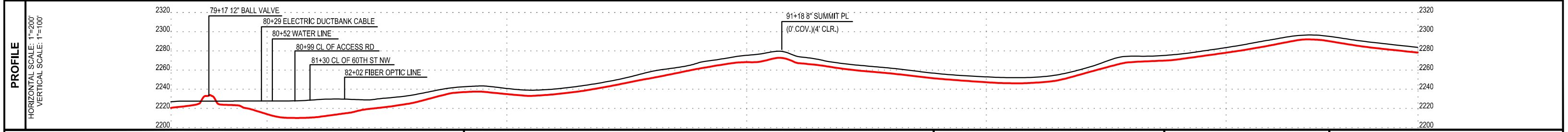
| OWNERSHIP | BIS-DAPL-2.00<br>NOELLE SISTERS PARTNERSHIP<br>78+00 13.20 RODS 80+18 | N/A<br>60TH STREET N.W.<br>80+18 9.09 RODS 81+68 | BIS-DAPL-3.00<br>STATE OF NORTH DAKOTA<br>81+68 135.29 RODS 104+00 |
|-----------|---|--|--|
|-----------|---|--|--|

| STATIONING | 78+00 | 80+18 | 81+68 | 104+00 |
|------------|-------|-------|-------|--------|
|------------|-------|-------|-------|--------|



| MATERIALS | ①    | ③    | ①    | ③   | ①     |
|-----------|------|------|------|-----|-------|
| Lengths   | 221' | 223' | 831' | 73' | 1252' |

| COVER        | NEGATIVE VALUES INDICATE ABOVE GRADE | 78+00 | 77+76 | 78+16 | 78+55 | 78+62 | 78+85 | 78+73 | 78+92 | 78+95 | 79+02 | 79+40 | 79+46 | 79+60 | 79+82 | 80+72 | 81+16 | 81+62 | 82+04 | 82+17 | 82+31 | 82+94 | 83+38 | 83+81 | 84+26 | 84+46 | 84+59 | 84+94 | 85+39 | 86+28 | 86+72 | 87+17 | 87+61 | 88+06 | 88+51 | 88+92 | 89+02 | 89+43 | 89+87 | 90+32 | 90+71 | 91+12 | 91+53 | 91+61 | 92+06 | 94+26 | 94+70 | 96+91 | 97+79 | 98+25 | 99+97 | 100+87 | 100+89 | 104+00 |
|--------------|--------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| Cover Values |                                      | 5     | 6     | 6.5   | 4.5   | 1     | -2    | -5.5  | 2.5   | 0.5   | 4     | 4.5   | 5.5   | 7.5   | 11    | 17.5  | 18    | 15    | 10    | 9     | 9.5   | 8     | 7     | 6     | 5.5   | 6     | 6.5   | 6     | 5.5   | 5     | 5.5   | 5     | 5.5   | 7.5   | 5.5   | 5     | 5.5   | 7.5   | 8.5   | 6.5   | 7     | 6     | 5     | 5.5   | 5     | 5.5   | 5     | 5.5   | 5     | 5.5   | 6     | 5.5    | 5.5    |        |



| SECTION LINE           | --- | SUMMIT NG           | --- |
|------------------------|-----|---------------------|-----|
| QUARTER SECTION LINE   | --- | SUMMIT SALT WATER   | --- |
| PROPERTY/ROW LINE      | --- | SUMMIT OIL          | --- |
| ROAD CL                | --- | FOREIGN PIPE XING   | --- |
| PIPE/TRENCH CENTERLINE | --- | ABANDONED PIPELINE  | --- |
| FENCE                  | X   | COMMUNICATION CABLE | --- |
| OHP                    | --- | HEAT TRACE          | --- |
| UE                     | --- |                     |     |

| MARK | QTY.  | DESCRIPTION   | MARK | QTY. | DESCRIPTION |
|------|-------|---|------|------|-------------|
| 1    | 831'  | 12" O.D. x 0.375" W.T., X52, API 5L PSL2, HFV PIPE (WITH FBE COATING) | -    | -    | -           |
| 3    | 297'  | 12" O.D. x 0.500" W.T., X52, API 5L PSL2, HLW PIPE (WITH ARO COATING) | -    | -    | -           |
| 1    | 1473' | 12" O.D. x 0.375" W.T., X52, API 5L PSL2, HFV PIPE (WITH FBE COATING) | -    | -    | -           |

| REVISIONS |          |                   |
|-----------|----------|-------------------|
| NO.       | DATE     | DESCRIPTION       |
| 0         | 08/11/17 | ISSUED FOR RECORD |
| 1         | 08/14/17 | ISSUED FOR RECORD |
| 2         | 08/29/17 | ISSUED FOR RECORD |

**LWS**  
LW Survey Co.  
12345 W. Alameda Pkwy,  
Suite 205  
Lakewood, CO 80228

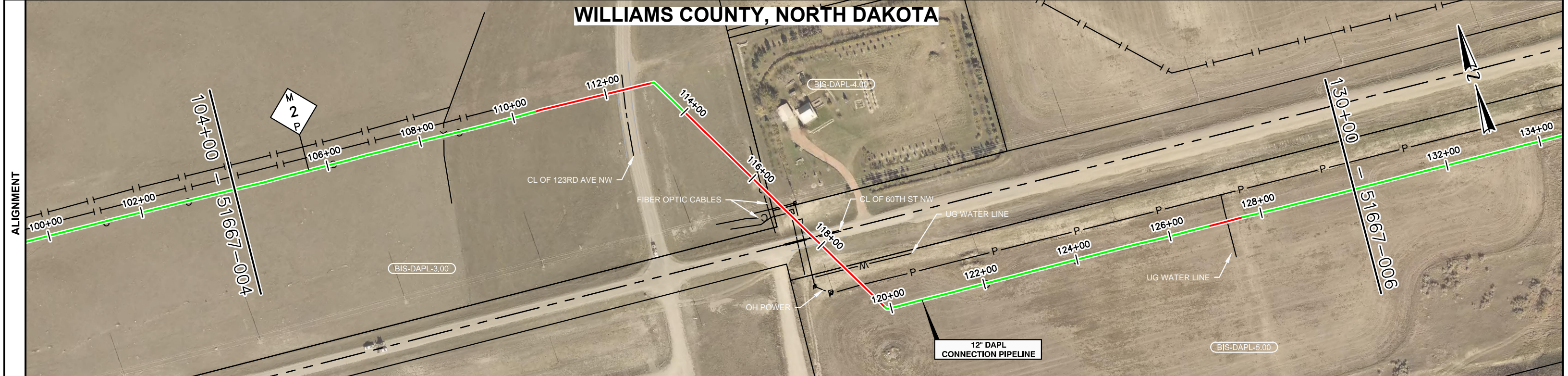
**RECORD ALIGNMENT SHEET**  
DAPL CONNECTION PIPELINE  
WILLIAMS COUNTY, NORTH DAKOTA

**SUMMIT WIDESTREAM**  
999 18th Street, Suite 3400S,  
Denver, CO 80202

DRAWN BY: PHG | CHECKED BY: APB | APPROVED BY: XXX  
JOB NO. 0000 | CONTACT: | DATE: 08/29/17 | SHEET NO. 4 | REV 2

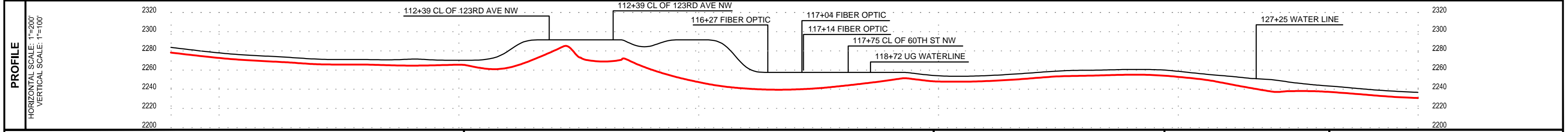
| OWNERSHIP | 104+00 | BIS-DAPL-3.00<br>STATE OF NORTH DAKOTA<br>71.97 RODS | 115+88 | BIS-DAPL-4.00<br>GREG A. & PATRICIA K. BJELLA<br>2.54 RODS | 116+29 | N/A<br>60TH STREET N.W.<br>10.68 RODS | 118+06 | BIS-DAPL-5.00<br>STELLA ANNA MUNDT TRUST<br>72.39 RODS | 130+00 |
|-----------|--------|--|--------|--|--------|---------------------------------------|--------|--|--------|
|-----------|--------|--|--------|--|--------|---------------------------------------|--------|--|--------|

| STATIONING | 104+16 P.I. < 1'04'57" RT.<br>104+61 P.I. < 2'18'06" LT.<br>106+85 P.I. < 1'19'47" RT.<br>107+05 P.I. < 1'30'46" LT.<br>108+51 FENCE<br>109+53 P.I. < 1'04'26" LT.<br>110+47 END 0.375" W.T. BEGIN 0.500" W.T.<br>110+47 P.I. < 1'53'46" LT.<br>110+60 P.I. < 3'55'16" RT.<br>112+26 EDGE OF 123RD AVE NW<br>112+39 CL OF 123RD AVE NW<br>112+55 EDGE OF 123RD AVE NW<br>113+04 END 0.500" W.T. BEGIN 0.375" W.T.<br>113+04 P.I. < 1'41'52" LT.<br>113+09 P.I. < 52'08'55" RT.<br>113+09 60' INDUCTION BEND (SB RIGHT)<br>113+11 P.I. < 4'19'11" RT.<br>113+19 P.I. < 2'28'05" RT.<br>113+55 P.I. < 29'00'39" LT.<br>113+96 7' INDUCTION BEND (OB)<br>113+96 P.I. < 29'02'38" RT.<br>114+00 END 0.375" W.T. BEGIN 0.500" W.T.<br>116+27 FIBER OPTIC<br>116+85 OVERHEAD POWERLINE<br>117+04 FIBER OPTIC<br>117+14 FIBER OPTIC<br>117+39 OVERHEAD POWERLINE<br>117+64 EDGE OF 60TH ST NW<br>117+75 CL OF 60TH ST NW<br>117+95 EDGE OF 60TH ST NW<br>118+72 UG WATERLINE<br>119+18 OVERHEAD POWERLINE<br>119+71 P.I. < 1'08'44" RT.<br>119+85 P.I. < 4'46'39" LT.<br>119+85 END 0.500" W.T. BEGIN 0.375" W.T.<br>119+90 P.I. < 41'20'58" LT.<br>119+90 60' INDUCTION BEND (SB LEFT)<br>119+96 P.I. < 13'51'20" LT.<br>120+55 P.I. < 1'00'05" RT.<br>121+28 P.I. < 1'03'05" LT.<br>127+14 END 0.375" W.T. BEGIN 0.500" W.T.<br>127+25 WATER LINE<br>127+60 END 0.500" W.T. BEGIN 0.375" W.T.<br>127+71 P.I. < 1'28'49" RT.<br>127+90 P.I. < 3'42'27" LT.<br>127+98 P.I. < 2'58'55" RT.<br>128+38 P.I. < 1'23'05" LT. |
|------------|--|
|------------|--|



| MATERIALS | 104+00 | ① 647' | 110+47 | ③ 257' | 113+04 | ① 95' | 114+00 | ③ 586' | 119+85 | ① 700' | 126+85 | ③ 75' | 127+60 | ① 240' | 130+00 |
|-----------|--------|--------|--------|--------|--------|-------|--------|--------|--------|--------|--------|-------|--------|--------|--------|
|-----------|--------|--------|--------|--------|--------|-------|--------|--------|--------|--------|--------|-------|--------|--------|--------|

| COVER | 104+00 | 5.5 | 107+26 | 5 | 108+16 | 5.5 | 109+05 | 7 | 109+54 | 5.5 | 109+99 | 4.5 | 110+85 | 9.5 | 111+29 | 25.5 | 111+74 | 17 | 112+49 | 18.3 | 112+55 | 19 | 112+63 | 21.5 | 113+07 | 23.5 | 113+39 | 21 | 113+43 | 18.5 | 113+87 | 8.5 | 114+31 | 36 | 114+66 | 40.5 | 115+10 | 45 | 115+55 | 49 | 115+99 | 17 | 116+44 | 18 | 117+34 | 17 | 117+78 | 15 | 118+23 | 13 | 118+64 | 10.5 | 119+08 | 7.5 | 119+25 | 6 | 120+23 | 5.5 | 121+58 | 6 | 122+02 | 5.5 | 122+89 | 6 | 123+34 | 5.5 | 124+69 | 6 | 125+13 | 5.5 | 125+80 | 6.5 | 126+24 | 9.5 | 126+52 | 8.5 | 126+96 | 13 | 127+34 | 9 | 127+74 | 7 | 127+84 | 6.5 | 128+13 | 6 | 129+03 | 5.5 | 130+00 |
|-------|--------|-----|--------|---|--------|-----|--------|---|--------|-----|--------|-----|--------|-----|--------|------|--------|----|--------|------|--------|----|--------|------|--------|------|--------|----|--------|------|--------|-----|--------|----|--------|------|--------|----|--------|----|--------|----|--------|----|--------|----|--------|----|--------|----|--------|------|--------|-----|--------|---|--------|-----|--------|---|--------|-----|--------|---|--------|-----|--------|---|--------|-----|--------|-----|--------|-----|--------|-----|--------|----|--------|---|--------|---|--------|-----|--------|---|--------|-----|--------|
|-------|--------|-----|--------|---|--------|-----|--------|---|--------|-----|--------|-----|--------|-----|--------|------|--------|----|--------|------|--------|----|--------|------|--------|------|--------|----|--------|------|--------|-----|--------|----|--------|------|--------|----|--------|----|--------|----|--------|----|--------|----|--------|----|--------|----|--------|------|--------|-----|--------|---|--------|-----|--------|---|--------|-----|--------|---|--------|-----|--------|---|--------|-----|--------|-----|--------|-----|--------|-----|--------|----|--------|---|--------|---|--------|-----|--------|---|--------|-----|--------|



|                               |                               |
|-------------------------------|-------------------------------|
| --- -- SECTION LINE           | --- -- SUMMIT NG              |
| --- -- QUARTER SECTION LINE   | --- SW --- SUMMIT SALT WATER  |
| --- -- PROPERTY/ROW LINE      | --- OIL --- SUMMIT OIL        |
| --- -- ROAD CL                | --- -- FOREIGN PIPE XING      |
| --- -- PIPE/TRENCH CENTERLINE | --- -- ABANDONED PIPELINE     |
| X --- FENCE                   | --- C --- COMMUNICATION CABLE |
| OHP --- OVERHEAD ELECTRIC     | --- HT --- HEAT TRACE         |
| UE --- UNDERGROUND ELECTRIC   |                               |

| MARK |      | QTY. | DESCRIPTION   | MARK |   | QTY. | DESCRIPTION |
|------|------|------|---|------|---|------|-------------|
| 1    | 795' |      | 12" O.D. x 0.375" W.T., X52, API 5L PSL2, HFV PIPE (WITH FBE COATING) | -    | - | -    | -           |
| 3    | 918' |      | 12" O.D. x 0.500" W.T., X52, API 5L PSL2, HLW PIPE (WITH ARO COATING) | -    | - | -    | -           |
| 1    | 887' |      | 12" O.D. x 0.375" W.T., X52, API 5L PSL2, HFV PIPE (WITH FBE COATING) | -    | - | -    | -           |

| NO. |          | DATE | DESCRIPTION       |
|-----|----------|------|-------------------|
| 0   | 08/11/17 |      | ISSUED FOR RECORD |
| 1   | 08/14/17 |      | ISSUED FOR RECORD |
| 2   | 08/29/17 |      | ISSUED FOR RECORD |

**LWS**  
LWS Survey Co.  
12345 W. Alameda Pkwy,  
Suite 205  
Lakewood, CO 80228

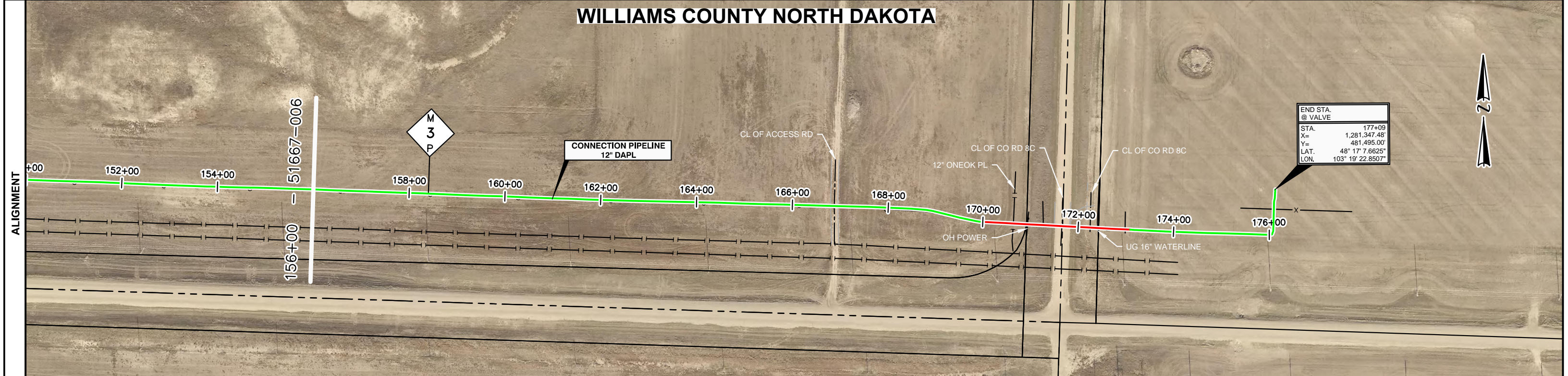
**RECORD ALIGNMENT SHEET**  
12" DAPL CONNECTION PIPELINE  
WILLIAMS COUNTY, NORTH DAKOTA

**SUMMIT MIDSTREAM**  
999 18th Street, Suite 3400S,  
Denver, CO 80202

DRAWN BY: PHG | CHECKED BY: APB | APPROVED BY: XXX | JOB NO. 0000 | CONTACT: | DATE: 08/29/17 | SHEET NO. 5 | REV 2

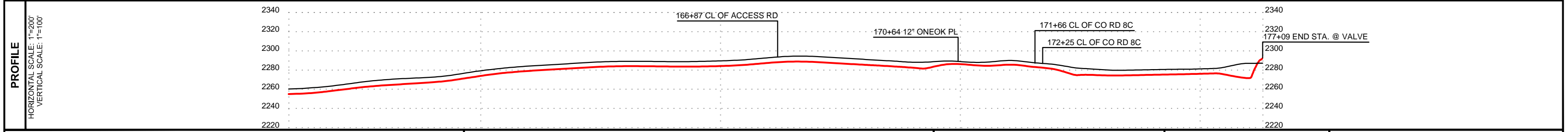


| OWNERSHIP  | 156+00 | BIS-DAPL-6.00<br>GUIDA PETERSON TRUST<br>86.24 RODS | 170+23 | 60TH STREET N.W.<br>0.03 RODS  | 170+23 | 122ND AVENUE N.W.<br>9.10 RODS   | 171+74 | BIS-DAPL-7.00<br>DAKOTA ACCESS LLC<br>27.66 RODS   | 176+30 |  |  |  |  |  |  |              |  |  |  |   |
|------------|--------|---|--------|--|--------|--|--------|--|--------|--|--|--|--|--|--|--------------|--|--|--|---|
| STATIONING |        | 159+62 P.I. < 1°09'57" LT.                          |        | 166+80 EDGE OF ACCESS RD<br>166+87 CL OF ACCESS RD<br>166+95 EDGE OF ACCESS RD<br>167+59 P.I. < 1°03'59" RT. |        | 168+48 P.I. < 2°09'52" RT.<br>168+80 P.I. < 4°14'50" RT.<br>168+83 P.I. < 4°59'25" RT. |        | 169+51 P.I. < 2°02'53" LT.<br>169+66 P.I. < 3°20'34" LT.<br>169+95 P.I. < 5°56'11" LT.<br>169+95 END 0.375" W.T. BEGIN 0.500" W.T. |        | 170+64 12" ONEOK PL<br>170+94 OVERHEAD POWERLINE |  | 171+27 CL OF DITCH<br>171+50 EDGE OF CO RD 8C<br>171+66 CL OF CO RD 8C |  | 172+25 CL OF CO RD 8C<br>172+41 16" WATER LINE |  | 172+98 FENCE |  | 173+09 END 0.500" W.T. BEGIN 0.375" W.T. |  | 176+00 P.I. < 10°42'52" LT.<br>176+05 90° INDUCTION BEND (SB LEFT)<br>176+05 P.I. < 59°17'10" LT.<br>176+13 P.I. < 20°18'24" LT.<br>176+57 P.I. < 1°32'09" LT.<br>176+59 FENCE<br>176+74 P.I. < 10°02'39" RT.<br>176+77 P.I. < 7°02'10" RT.<br>176+77 45° INDUCTION BEND (SAG)<br>176+85 P.I. < 14°30'35" LT.<br>177+02 45° INDUCTION BEND (OB)<br>177+06 TEE ( 12.75" O.D. X 0.375" W.T.)<br>177+09 END STA. @ VALVE |



| MATERIALS | 156+00 | ① | 1395' | 169+95 | ③ | 314' | 173+09 | ① | 393' | 177+02 | ② | 7' | 177+09 |
|-----------|--------|---|-------|--------|---|------|--------|---|------|--------|---|----|--------|
|-----------|--------|---|-------|--------|---|------|--------|---|------|--------|---|----|--------|

| COVER | 156+00 | 5 | 5.5 | 5 | 5.5 | 6 | 5 | 5.5 | 5 | 164+68 | 5.5 | 6 | 5.5 | 6 | 5.5 | 6.5 | 3 | 2 | 4.5 | 172+40 | 7.5 | 6.5 | 5.5 | 5 | 5.5 | 15.5 | 8.5 | 3.5 | 177+09 |
|-------|--------|---|-----|---|-----|---|---|-----|---|--------|-----|---|-----|---|-----|-----|---|---|-----|--------|-----|-----|-----|---|-----|------|-----|-----|--------|
|-------|--------|---|-----|---|-----|---|---|-----|---|--------|-----|---|-----|---|-----|-----|---|---|-----|--------|-----|-----|-----|---|-----|------|-----|-----|--------|



| MATERIAL SUMMARY |       |  |      | REVISIONS |             |     |          |                   |
|------------------|-------|--|------|-----------|-------------|-----|----------|-------------------|
| MARK             | QTY.  | DESCRIPTION  | MARK | QTY.      | DESCRIPTION | NO. | DATE     | DESCRIPTION       |
| 1                | 393'  | 12" O.D. x 0.375" W.T., X52, API 5L PSL2, HFV PIPE (WITH FBE COATING)  | -    | -         | -           | 0   | 08/11/17 | ISSUED FOR RECORD |
| 2                | 7'    | 12" O.D. x 0.375" W.T., X52, API 5L PSL2, SMLS PIPE (WITH FBE COATING) | -    | -         | -           | 1   | 08/14/17 | ISSUED FOR RECORD |
| 3                | 314'  | 12" O.D. x 0.500" W.T., X52, API 5L PSL2, HLW PIPE (WITH ARO COATING)  | -    | -         | -           | 2   | 08/29/17 | ISSUED FOR RECORD |
| 1                | 1395' | 12" O.D. x 0.375" W.T., X52, API 5L PSL2, HFV PIPE (WITH FBE COATING)  | -    | -         | -           | -   | -        | -                 |

**RECORD ALIGNMENT SHEETS**  
 12" DAPL CONNECTION PIPELINE  
 WILLIAMS COUNTY, NORTH DAKOTA

**SUMMIT MIDSTREAM**  
 999 18th Street, Suite 3400S,  
 Denver, CO 80202

LW Survey Co.  
 12345 W. Alameda Pkwy,  
 Suite 205  
 Lakewood, CO 80228

DRAWN BY: PHG CHECKED BY: APB APPROVED BY: XXX  
 JOB NO. 0000 CONTACT: APB DATE: 08/29/17 SHEET NO. 7 REV 1

| CODE      | Slope Station | DESCRIPTION   |
|-----------|---------------|---|
| VALVE     | 0+00          | 12 IN. 300 CLASS BALL VALVE (SERIAL# CTM5583 10/ MANUFACTURER: BALON)   |
| TEE       | 0+02          | 12.75 O.D. x 0.375 W.T. / 12 O.D. x 0 W.T., GR. X52, SPEC. API-5L PSL2HT# RH707MT (0' COV.)   |
| WELD      | 0+03          | WELD - XRAY#ELF7 / JT AHEAD 0, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (-5.1' COV.) RP:MW N CDB HP:MW N CDB FP:MW N CDB CP:MW N CDB    |
| FLANGE    | 0+08          | 12 O.D. FLANGE, HT# H4867 (0' COV.)   |
| FLANGE    | 0+16          | 12 O.D. FLANGE, HT# UNK (0' COV.)   |
| WELD      | 0+16          | WELD - XRAY#DR1 / JT AHEAD 71322, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (-5.1' COV.) RP:MW N CDB HP:MW N CDB FP:MW N CDB CP:MW N CDB |
| WELD      | 0+25          | WELD - XRAY#DR6 / JT AHEAD 213, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (-1.6' COV.) RP:BLH RJG HP:BLH RJG FP:BLH RJG CP:BLH RJG       |
| WELD      | 0+38          | WELD - XRAY#DR7 / JT AHEAD B15, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (7.1' COV.) RP:BLH RJG HP:BLH RJG FP:BLH RJG CP:BLH RJG        |
| BEND      | 0+42          | 45° INDUCTION BEND (SAG) 12 O.D. x 0.375 W.T., X52, API-5L PSL2, HFW, FBE, (0' COV.)  |
| WELD      | 0+46          | WELD - XRAY#DR8 / JT AHEAD 243, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (10.1' COV.) RP:BLH RJG HP:BLH RJG FP:BLH RJG CP:BLH RJG       |
| WELD      | 0+53          | WELD - XRAY#DP164 / JT AHEAD B29, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (9.3' COV.) RP:TAW BRS HP:TAW BRS FP:TAW BRS CP:TAW BRS      |
| BEND      | 0+59          | 90° INDUCTION BEND (SB RIGHT) 12 O.D. x 0.375 W.T., X52, API-5L PSL2, HFW, FBE, (0' COV.)   |
| WELD      | 0+66          | WELD - XRAY#DP163 / JT AHEAD 0, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (9.2' COV.) RP:TAW BRS HP:TAW BRS FP:TAW BRS CP:TAW BRS        |
| WELD      | 0+76          | WELD - XRAY#DP148 / JT AHEAD 319, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (9.2' COV.) RP:RJB BLH HP:RJB BLH FP:RJB BLH CP:RJB BLH      |
| WELD      | 1+16          | WELD - XRAY#DP162 / JT AHEAD 318, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (9.2' COV.) RP:RJB BLH HP:RJB BLH FP:RJB BLH CP:RJB BLH      |
| WELD      | 1+61          | WELD - XRAY#DP161 / JT AHEAD 242, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (7.6' COV.) RP:RJB BLH HP:RJB BLH FP:RJB BLH CP:RJB BLH      |
| WELD      | 2+05          | WELD - XRAY#DP147 / JT AHEAD 76, 12 O.D. x 0.5 W.T., X52, HFW API-5L PSL2 ARO (6.4' COV.) RP:RJB BLH HP:RJB BLH FP:RJB BLH CP:RJB BLH         |
| BORE_WALL | 2+08          | BORE ENTRY POINT (FACILITY)   |
| WELD      | 2+53          | WELD - XRAY#DPB3 / JT AHEAD 80, 12 O.D. x 0.5 W.T., X52, HFW API-5L PSL2 ARO (14.2' COV.) RP:RDT AKH HP:RDT AKH FP:RDT AKH CP:RDT AKH         |
| WELD      | 2+97          | WELD - XRAY#DPB6 / JT AHEAD 58, 12 O.D. x 0.5 W.T., X52, HFW API-5L PSL2 ARO (18.5' COV.) RP:RDT AKH HP:RDT AKH FP:RDT AKH CP:RDT AKH         |
| WELD      | 3+41          | WELD - XRAY#DPB7 / JT AHEAD 57, 12 O.D. x 0.5 W.T., X52, HFW API-5L PSL2 ARO (21.8' COV.) RP:BRS TMR HP:BRS TMR FP:BRS TMR CP:BRS TMR         |
| WELD      | 3+85          | WELD - XRAY#DPB9 / JT AHEAD 49, 12 O.D. x 0.5 W.T., X52, HFW API-5L PSL2 ARO (25.1' COV.) RP:RDT AKH HP:RDT AKH FP:RDT AKH CP:RDT AKH         |
| WELD      | 4+29          | WELD - XRAY#DPB12 / JT AHEAD 48, 12 O.D. x 0.5 W.T., X52, HFW API-5L PSL2 ARO (28.1' COV.) RP:RDT AKH HP:RDT AKH FP:RDT AKH CP:RDT AKH        |
| WELD      | 4+73          | WELD - XRAY#DPB2 / JT AHEAD 70, 12 O.D. x 0.5 W.T., X52, HFW API-5L PSL2 ARO (31.2' COV.) RP:RDT AKH HP:RDT AKH FP:RDT AKH CP:RDT AKH         |
| WELD      | 5+16          | WELD - XRAY#DPB36 / JT AHEAD 77, 12 O.D. x 0.5 W.T., X52, HFW API-5L PSL2 ARO (11.2' COV.) RP:TMR TAW HP:TMR TAW FP:TMR TAW CP:TMR TAW        |
| WELD      | 5+60          | WELD - XRAY#DPB4 / JT AHEAD 79, 12 O.D. x 0.5 W.T., X52, HFW API-5L PSL2 ARO (13.5' COV.) RP:RDT AKH HP:RDT AKH FP:RDT AKH CP:RDT AKH         |
| WELD      | 6+04          | WELD - XRAY#DPB5 / JT AHEAD 59, 12 O.D. x 0.5 W.T., X52, HFW API-5L PSL2 ARO (14.9' COV.) RP:RDT AKH HP:RDT AKH FP:RDT AKH CP:RDT AKH         |
| WELD      | 6+48          | WELD - XRAY#DPB8 / JT AHEAD 56, 12 O.D. x 0.5 W.T., X52, HFW API-5L PSL2 ARO (16.5' COV.) RP:BRS TMR HP:BRS TMR FP:BRS TMR CP:BRS TMR         |
| WELD      | 6+92          | WELD - XRAY#DPB10 / JT AHEAD 51, 12 O.D. x 0.5 W.T., X52, HFW API-5L PSL2 ARO (16.5' COV.) RP:BRS TMR HP:RDT AKH FP:BRS TMR CP:RDT AKH        |
| WELD      | 7+36          | WELD - XRAY#DPB11 / JT AHEAD 61, 12 O.D. x 0.5 W.T., X52, HFW API-5L PSL2 ARO (15.5' COV.) RP:RDT AKH HP:RDT AKH FP:RDT AKH CP:RDT AKH        |
| WELD      | 7+80          | WELD - XRAY#DPB1 / JT AHEAD 75, 12 O.D. x 0.5 W.T., X52, HFW API-5L PSL2 ARO (14.4' COV.) RP:RDT AKH HP:RDT AKH FP:RDT AKH CP:RDT AKH         |
| WELD      | 8+14          | WELD - XRAY#DP8 / JT AHEAD 58, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (9.5' COV.) RP:RAP RDT HP:RAP RDT FP:RAP RDT CP:RAP RDT         |
| WELD      | 8+46          | WELD - XRAY#DP42 / JT AHEAD 56, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (9.6' COV.) RP:CDB MW N HP:CDB MW N FP:BRS TAW CP:RDT RAP      |
| WELD      | 8+91          | WELD - XRAY#DP43 / JT AHEAD 55, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (9' COV.) RP:CDB MW N HP:CDB MW N FP:CDB MW N CP:RAP RDT       |
| WELD      | 9+36          | WELD - XRAY#DP50 / JT AHEAD 135, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (9.6' COV.) RP:CDB MW N HP:CDB MW N FP:RAP RDT CP:RAP RDT     |
| WELD      | 10+14         | WELD - XRAY#DP77 / JT AHEAD 73, 12 O.D. x 0.5 W.T., X52, HFW API-5L PSL2 ARO (10.9' COV.) RP:RAP RDT HP:RAP RDT FP:RAP RDT CP:RAP RDT         |
| WELD      | 10+58         | WELD - XRAY#DPB44 / JT AHEAD 17, 12 O.D. x 0.5 W.T., X52, HFW API-5L PSL2 ARO (15.7' COV.) RP:TAW TMR HP:TAW TMR FP:RDT AKH CP:RDT AKH        |
| WELD      | 11+01         | WELD - XRAY#DPB45 / JT AHEAD 78, 12 O.D. x 0.5 W.T., X52, HFW API-5L PSL2 ARO (22.6' COV.) RP:TAW TMR HP:RDT AKH FP:RDT AKH CP:RDT AKH        |
| WELD      | 11+45         | WELD - XRAY#DPB46 / JT AHEAD 82, 12 O.D. x 0.5 W.T., X52, HFW API-5L PSL2 ARO (26.1' COV.) RP:TAW TMR HP:RDT AKH FP:RDT AKH CP:RDT AKH        |
| WELD      | 11+88         | WELD - XRAY#DPB47 / JT AHEAD 55, 12 O.D. x 0.5 W.T., X52, HFW API-5L PSL2 ARO (26.4' COV.) RP:TAW TMR HP:RDT AKH FP:RDT AKH CP:RDT AKH        |
| WELD      | 12+31         | WELD - XRAY#DPB48 / JT AHEAD 50, 12 O.D. x 0.5 W.T., X52, HFW API-5L PSL2 ARO (26.3' COV.) RP:TAW TMR HP:RDT AKH FP:RDT AKH CP:RDT AKH        |
| WELD      | 12+74         | WELD - XRAY#DPB49 / JT AHEAD 52, 12 O.D. x 0.5 W.T., X52, HFW API-5L PSL2 ARO (32' COV.) RP:TAW TMR HP:RDT AKH FP:RDT AKH CP:RDT AKH          |
| WELD      | 13+17         | WELD - XRAY#DPB510 / JT AHEAD 53, 12 O.D. x 0.5 W.T., X52, HFW API-5L PSL2 ARO (30.3' COV.) RP:RDT AKH HP:RDT AKH FP:RDT AKH CP:RDT AKH       |
| WELD      | 13+61         | WELD - XRAY#DPB51 / JT AHEAD 16, 12 O.D. x 0.5 W.T., X52, HFW API-5L PSL2 ARO (28.7' COV.) RP:RDT AKH HP:RDT AKH FP:RDT AKH CP:RDT AKH        |
| WELD      | 14+04         | WELD - XRAY#DPB52 / JT AHEAD 74, 12 O.D. x 0.5 W.T., X52, HFW API-5L PSL2 ARO (26.4' COV.) RP:RDT AKH HP:RDT AKH FP:RDT AKH CP:RDT AKH        |
| BORE_WALL | 14+53         | BORE EXIT POINT (PIPELINE)  |
| WELD      | 14+72         | WELD - XRAY#DPT14 / JT AHEAD 57, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (3.6' COV.) RP:RAP RDT HP:RAP RDT FP:RAP RDT CP:RAP RDT       |
| WELD      | 15+16         | WELD - XRAY#DP48 / JT AHEAD 136, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.1' COV.) RP:BRS TAW HP:BRS TAW FP:RAP RDT CP:RAP RDT       |
| WELD      | 15+61         | WELD - XRAY#DP49 / JT AHEAD 54, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5' COV.) RP:BRS TAW HP:BRS TAW FP:RAP RDT CP:RAP RDT          |
| WELD      | 16+06         | WELD - XRAY#DP9 / JT AHEAD 137, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5' COV.) RP:AKH CAA HP:AKH CAA FP:AKH CAA CP:AKH CAA          |
| WELD      | 16+51         | WELD - XRAY#DPT16 / JT AHEAD 20, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.3' COV.) RP:AKH CAA HP:AKH CAA FP:AKH CAA CP:AKH CAA       |
| WELD      | 16+85         | WELD - XRAY#DPT15 / JT AHEAD 0, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.8' COV.) RP:0 HP:0 FP:0 CP:0                                |
| BEND      | 16+89         | 45° SEGMENTED BEND (SB LEFT) 12 O.D. x 0.375 W.T., X52, API-5L PSL2, HFW, FBE, (0' COV.)  |
| WELD      | 16+94         | WELD - XRAY#DPT12 / JT AHEAD 53, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.6' COV.) RP:AKH CAA HP:AKH CAA FP:AKH CAA CP:AKH CAA       |
| WELD      | 17+39         | WELD - XRAY#DP44 / JT AHEAD 52, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.1' COV.) RP:BRS TAW HP:BRS TAW FP:RAP RDT CP:RAP RDT        |
| WELD      | 17+83         | WELD - XRAY#DP45 / JT AHEAD 178, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.6' COV.) RP:BRS TAW HP:BRS TAW FP:RAP RDT CP:RAP RDT       |
| WELD      | 18+28         | WELD - XRAY#DPT20 / JT AHEAD 138, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (6.4' COV.) RP:MW N CDB HP:MW N CDB FP:RAP RDT CP:RAP RDT    |
| WELD      | 18+54         | WELD - XRAY#DP46 / JT AHEAD 59, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (7.3' COV.) RP:MW N CDB HP:MW N CDB FP:RAP RDT CP:RAP RDT      |
| WELD      | 18+99         | WELD - XRAY#DP47 / JT AHEAD 177, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (8.4' COV.) RP:MW N CDB HP:MW N CDB FP:RAP RDT CP:RAP RDT     |
| WELD      | 19+44         | WELD - XRAY#DPT19 / JT AHEAD 0, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (9.8' COV.) RP:0 HP:0 FP:0 CP:0                                |
| BEND      | 19+49         | 80° SEGMENTED BEND (SB RIGHT) 12 O.D. x 0.375 W.T., X52, API-5L PSL2, HFW, FBE, (0' COV.)   |
| WELD      | 19+54         | WELD - XRAY#DPT17 / JT AHEAD 0, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (10.2' COV.) RP:0 HP:0 FP:0 CP:0                               |
| CAD_WELD  | 19+59         | CAD WELD (# OF WIRES: 1)  |
| CAD_WELD  | 19+60         | CAD WELD (# OF WIRES: 1)  |
| CAD_WELD  | 19+63         | CAD WELD (# OF WIRES: 1)  |
| WELD      | 19+64         | WELD - XRAY#DP118 / JT AHEAD 60, 12 O.D. x 0.5 W.T., X52, HFW API-5L PSL2 ARO (10' COV.) RP:RJB BRS HP:RJB BRS FP:RJB BRS CP:RJB BRS          |
| BORE_WALL | 19+68         | BORE ENTRY POINT (PIPELINE)   |
| WELD      | 20+08         | WELD - XRAY#DPB53 / JT AHEAD 44, 12 O.D. x 0.5 W.T., X52, HFW API-5L PSL2 ARO (19.1' COV.) RP:RDT AKH HP:RDT AKH FP:RDT AKH CP:RDT AKH        |
| BORE_WALL | 20+53         | BORE EXIT POINT (PIPELINE)  |
| WELD      | 20+54         | WELD - XRAY#DPT2 / JT AHEAD 175, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (11.4' COV.) RP:BRS TAW HP:BRS TAW FP:BRS TAW CP:BRS TAW      |

| CODE      | Slope Station | DESCRIPTION   |
|-----------|---------------|---|
| WELD      | 20+98         | WELD - XRAY#DP13 / JT AHEAD 176, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (9.7' COV.) RP:BRS AKH HP:BRS AKH FP:BRS AKH CP:BRS AKH     |
| WELD      | 21+43         | WELD - XRAY#DP12 / JT AHEAD 144, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (9.9' COV.) RP:TMR TAW HP:TMR TAW FP:BRS AKH CP:BRS AKH     |
| WELD      | 21+79         | WELD - XRAY#DPT1 / JT AHEAD 48A, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (9.8' COV.) RP:BRS TAW HP:BRS TAW FP:BRS TAW CP:BRS TAW     |
| BORE_WALL | 21+86         | BORE ENTRY POINT (PIPELINE)   |
| WELD      | 21+90         | WELD - XRAY#DPB61 / JT AHEAD 62-A, 12 O.D. x 0.5 W.T., X52, HFW API-5L PSL2 ARO (15.4' COV.) RP:0 HP:0 FP:0 CP:0                            |
| WELD      | 22+04         | WELD - XRAY#DPB25 / JT AHEAD 64, 12 O.D. x 0.5 W.T., X52, HFW API-5L PSL2 ARO (0' COV.) RP:0 HP:0 FP:0 CP:0                                 |
| WELD      | 22+34         | WELD - XRAY#DPB24 / JT AHEAD 45-A, 12 O.D. x 0.5 W.T., X52, HFW API-5L PSL2 ARO (16.8' COV.) RP:0 HP:0 FP:0 CP:0                            |
| BORE_WALL | 22+43         | BORE EXIT POINT (PIPELINE)  |
| WELD      | 22+45         | WELD - XRAY#DPT4 / JT AHEAD 43, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (7.2' COV.) RP:RAP RDT HP:RAP RDT FP:RAP RDT CP:RAP RDT      |
| WELD      | 22+60         | WELD - XRAY#DPT5 / JT AHEAD 113, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (6.7' COV.) RP:RAP RDT HP:RAP RDT FP:RAP RDT CP:RAP RDT     |
| WELD      | 22+96         | WELD - XRAY#DP65 / JT AHEAD 108, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (6.3' COV.) RP:MW N CDB HP:MW N CDB FP:RAP RDT CP:RAP RDT   |
| WELD      | 23+41         | WELD - XRAY#DP66 / JT AHEAD 110, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (6.1' COV.) RP:MW N CDB HP:MW N CDB FP:RAP RDT CP:RAP RDT   |
| WELD      | 23+86         | WELD - XRAY#DP67 / JT AHEAD 2, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.7' COV.) RP:RJB RIG HP:RJB RIG FP:RAP RDT CP:RAP RDT       |
| WELD      | 24+30         | WELD - XRAY#DP68 / JT AHEAD 103, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.2' COV.) RP:CDB MW N HP:CDB MW N FP:RAP RDT CP:RAP RDT   |
| WELD      | 24+75         | WELD - XRAY#DP69 / JT AHEAD 18, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.2' COV.) RP:RJB RIG HP:RJB RIG FP:RAP RDT CP:RAP RDT      |
| WELD      | 25+20         | WELD - XRAY#DPT3 / JT AHEAD 117, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (4.9' COV.) RP:RAP RDT RA HP:CDB MW N FP:RAP RDT CP:RAP RDT |
| WELD      | 25+65         | WELD - XRAY#DPT3 / JT AHEAD 43, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.6' COV.) RP:RAP RDT HP:RAP RDT FP:RAP RDT CP:RAP RDT      |
| BORE_WALL | 25+69         | BORE ENTRY POINT (PIPELINE)   |
| WELD      | 25+80         | WELD - XRAY#DPB62 / JT AHEAD 45A, 12 O.D. x 0.5 W.T., X52, HFW API-5L PSL2 ARO (-0.1' COV.) RP:0 HP:0 FP:0 CP:0                             |
| BORE_WALL | 26+22         | BORE EXIT POINT (PIPELINE)  |
| WELD      | 26+26         | WELD - XRAY#DPT21 / JT AHEAD 116, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.5' COV.) RP:RAP RDT HP:RAP RDT FP:RAP RDT CP:RAP RDT    |
| WELD      | 26+71         | WELD - XRAY#DPT25 / JT AHEAD 119, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.6' COV.) RP:RAP RDT HP:RAP RDT FP:RAP RDT CP:RAP RDT    |
| BEND      | 26+94         | 9° FIELD BEND (SB RIGHT) 12 O.D. x 0.375 W.T., X52, API-5L PSL2, HFW, FBE, (0' COV.)  |
| WELD      | 27+15         | WELD - XRAY#DP51 / JT AHEAD 112, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.5' COV.) RP:BRS TAW HP:BRS TAW FP:RAP RDT CP:RAP RDT     |
| WELD      | 27+60         | WELD - XRAY#DP52 / JT AHEAD 111, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.4' COV.) RP:BRS TAW HP:BRS TAW FP:RAP RDT CP:RAP RDT     |
| BEND      | 27+68         | 9° FIELD BEND (SB LEFT) 12 O.D. x 0.375 W.T., X52, API-5L PSL2, HFW, FBE, (0' COV.)   |
| WELD      | 28+05         | WELD - XRAY#DP53 / JT AHEAD 51, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.1' COV.) RP:BRS TAW HP:BRS TAW FP:RAP RDT CP:RAP RDT      |
| WELD      | 28+50         | WELD - XRAY#DP54 / JT AHEAD 109, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.8' COV.) RP:MW N CDB HP:MW N CDB FP:RAP RDT CP:RAP RDT   |
| WELD      | 28+95         | WELD - XRAY#DP55 / JT AHEAD 3, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.4' COV.) RP:MW N CDB HP:MW N CDB FP:RAP RDT CP:RAP RDT     |
| WELD      | 29+40         | WELD - XRAY#DP56 / JT AHEAD 19, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.2' COV.) RP:MW N CDB HP:MW N CDB FP:RAP RDT CP:RAP RDT    |
| WELD      | 29+84         | WELD - XRAY#DP57 / JT AHEAD 31, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.6' COV.) RP:RJB RIG HP:RJB RIG FP:RAP RDT CP:RAP RDT      |
| WELD      | 30+29         | WELD - XRAY#DP58 / JT AHEAD 124, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.9' COV.) RP:RAP RDT HP:RAP RDT FP:RAP RDT CP:RAP RDT     |
| WELD      | 30+74         | WELD - XRAY#DPT22 / JT AHEAD 118, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (8.2' COV.) RP:RAP RDT HP:RAP RDT FP:RAP RDT CP:RAP RDT    |
| WELD      | 31+18         | WELD - XRAY#DPT28 / JT AHEAD 138A, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (11.2' COV.) RP:RAP RDT HP:RAP RDT FP:RAP RDT CP:RAP RDT  |
| WELD      | 31+36         | WELD - XRAY#DPT27 / JT AHEAD 43, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (11.4' COV.) RP:RAP RDT HP:RAP RDT FP:RAP RDT CP:RAP RDT    |
| BORE_WALL | 31+89         | BORE EXIT POINT (PIPELINE)  |
| WELD      | 31+91         | WELD - XRAY#DPT11 / JT AHEAD 130, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (8.6' COV.) RP:BRS RIG HP:BRS RIG FP:BRS RIG CP:BRS RIG    |
| WELD      | 32+31         | WELD - XRAY#DP59 / JT AHEAD 129, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (7.2' COV.) RP:MW N CDB HP:MW N CDB FP:RAP RDT CP:RAP RDT   |
| WELD      | 32+76         | WELD - XRAY#DP60 / JT AHEAD 128, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (6' COV.) RP:MW N CDB HP:MW N CDB FP:RAP RDT CP:RAP RDT     |
| WELD      | 33+17         | WELD - XRAY#DP61 / JT AHEAD 127, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (6' COV.) RP:RJB RIG HP:RJB RIG FP:RAP RDT CP:RAP RDT       |
| WELD      | 33+62         | WELD - XRAY#DP62 / JT AHEAD 125, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.6' COV.) RP:MW N CDB HP:MW N CDB FP:RAP RDT CP:RAP RDT   |
| WELD      | 34+07         | WELD - XRAY#DP63 / JT AHEAD 126, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.6' COV.) RP:RJB RIG HP:RJB RIG FP:RAP RDT CP:RAP RDT     |
| WELD      | 34+52         | WELD - XRAY#DP64 / JT AHEAD 102, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (7' COV.) RP:RAP RDT HP:RAP RDT FP:RAP RDT CP:RAP RDT       |
| WELD      | 34+96         | WELD - XRAY#DPT10 / JT AHEAD 43, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (9.5' COV.) RP:RAP RDT HP:RAP RDT FP:RAP RDT CP:RAP RDT     |
| BORE_WALL | 35+02         | BORE ENTRY POINT (PIPELINE)   |
| WELD      | 35+07         | WELD - XRAY#DPB60 / JT AHEAD 67A, 12 O.D. x 0.5 W.T., X52, HFW API-5L PSL2 ARO (9.8' COV.) RP:0 HP:0 FP:0 CP:0                              |
| WELD      | 35+17         | WELD - XRAY#DPB22 / JT AHEAD 42, 12 O.D. x 0.5 W.T., X52, HFW API-5L PSL2 ARO (10.9' COV.) RP:RDT AKH HP:RDT AKH FP:RDT AKH CP:RDT AKH      |
| BORE_WALL | 35+51         | BORE EXIT POINT (PIPELINE)  |
| WELD      | 35+62         | WELD - XRAY#DPT23 / JT AHEAD 134, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (10.1' COV.) RP:BRS AKH HP:BRS AKH FP:BRS AKH CP:BRS AKH   |
| WELD      | 36+07         | WELD - XRAY#DP29 / JT AHEAD 131, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (7.8' COV.) RP:BRS JPE HP:BRS JPE FP:RJB RIG CP:RAP RDT     |
| WELD      | 36+51         | WELD - XRAY#DPT24 / JT AHEAD 143, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (6.3' COV.) RP:BRS AKH HP:BRS AKH FP:BRS AKH CP:BRS AKH    |
| WELD      | 36+96         | WELD - XRAY#DP28 / JT AHEAD 142, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.8' COV.) RP:CDB MW N HP:CDB MW N FP:RJB RIG CP:RAP AKH   |
| WELD      | 37+41         | WELD - XRAY#DP30 / JT AHEAD 141, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (6.2' COV.) RP:TAW TMR HP:TAW TMR FP:RJB RIG CP:PAP AKH     |
| WELD      | 37+85         | WELD - XRAY#DP31 / JT AHEAD 140, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (6.3' COV.) RP:BRS JPE HP:BRS JPE FP:RJB RIG CP:RAP AKH     |
| WELD      |               |   |

| CODE      | Slope Station | DESCRIPTION   |
|-----------|---------------|---|
| WELD      | 43+19         | WELD - XRAY#DPT33 / JT AHEAD 69, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (6' COV.) RP:AKH BRS HP:AKH BRS FP:AKH BRS CP:AKH BRS     |
| WELD      | 43+58         | WELD - XRAY#DPT73 / JT AHEAD 67, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.5' COV.) RP:RAP RDT HP:RAP RDT FP:RAP RDT CP:RAP RDT   |
| WELD      | 44+02         | WELD - XRAY#DP14 / JT AHEAD 72, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.1' COV.) RP:TMR TAW HP:TMR TAW FP:JRB RJB CP:RAP RDT    |
| WELD      | 44+47         | WELD - XRAY#DP15 / JT AHEAD 78, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.8' COV.) RP:MWV CDM HP:MWV CDM FP:JRB RJB CP:RAP RDT    |
| BEND      | 44+54         | 2° FIELD BEND BEND (OB) 12 O.D. x 0.375 W.T., X52, API-5L PSL2, HFW, FBE, (6.2' COV.)   |
| WELD      | 44+92         | WELD - XRAY#DP16 / JT AHEAD 73, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.4' COV.) RP:MWV CDM HP:MWV CDM FP:JRB RJB CP:RAP RDT    |
| WELD      | 45+37         | WELD - XRAY#DP17 / JT AHEAD 157, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.5' COV.) RP:TAW TMR HP:TAW TMR FP:JRB RJB CP:RAP RDT   |
| BEND      | 45+77         | 2° FIELD BEND BEND (SAG) 12 O.D. x 0.375 W.T., X52, API-5L PSL2, HFW, FBE, (5.1' COV.)  |
| WELD      | 45+82         | WELD - XRAY#DP18 / JT AHEAD 76, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.8' COV.) RP:CDB MWV HP:CDB MWV FP:JRB RJB CP:RAP RDT    |
| BEND      | 46+15         | 2° FIELD BEND BEND (SAG) 12 O.D. x 0.375 W.T., X52, API-5L PSL2, HFW, FBE, (5.5' COV.)  |
| WELD      | 46+25         | WELD - XRAY#DP71 / JT AHEAD 74, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.9' COV.) RP:RAP RDT HP:RAP RDT FP:RAP RDT CP:RAP RDT    |
| WELD      | 46+70         | WELD - XRAY#DP20 / JT AHEAD 79, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.9' COV.) RP:TMR TAW HP:TMR TAW FP:JRB RJB CP:RAP RDT    |
| BEND      | 46+87         | 3° FIELD BEND BEND (SAG) 12 O.D. x 0.375 W.T., X52, API-5L PSL2, HFW, FBE, (6.1' COV.)  |
| WELD      | 47+15         | WELD - XRAY#DP22 / JT AHEAD 71, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.6' COV.) RP:TMR TAW HP:TMR TAW FP:RAP RDT CP:RAP RDT    |
| WELD      | 47+59         | WELD - XRAY#DP27 / JT AHEAD 75, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.7' COV.) RP:RAP RDT HP:RAP RDT FP:RAP RDT CP:RAP RDT    |
| WELD      | 48+04         | WELD - XRAY#DP19 / JT AHEAD 80, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.5' COV.) RP:BRS JPE HP:BRS JPE FP:RJB RJB CP:RAP RDT    |
| WELD      | 48+49         | WELD - XRAY#DP21 / JT AHEAD 70, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.7' COV.) RP:MWV CDB HP:MWV CDB FP:RJB RJB CP:RAP RDT    |
| WELD      | 48+94         | WELD - XRAY#DP23 / JT AHEAD 165, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.8' COV.) RP:BRS JPE HP:BRS JPE FP:RJB RJB CP:RAP RDT   |
| WELD      | 49+33         | WELD - XRAY#DP24 / JT AHEAD 168, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.9' COV.) RP:MWV CDB HP:MWV CDB FP:RJB RJB CP:RAP RDT   |
| WELD      | 49+77         | WELD - XRAY#DP25 / JT AHEAD 169, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.8' COV.) RP:JPE BRS HP:JPE BRS FP:RJB RJB CP:RAP RDT   |
| WELD      | 50+22         | WELD - XRAY#DP26 / JT AHEAD 152, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.8' COV.) RP:TMR TAW HP:TMR TAW FP:RJB RJB CP:RAP RDT   |
| WELD      | 50+67         | WELD - XRAY#DP27 / JT AHEAD 167, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.4' COV.) RP:MWV CDB HP:MWV CDB FP:RJB RJB CP:RAP RDT   |
| WELD      | 51+08         | WELD - XRAY#DP T34 / JT AHEAD 166, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.4' COV.) RP:BLH RJB HP:BLH RJB FP:BLH RJB CP:BLH RJB |
| WELD      | 51+32         | WELD - XRAY#DPT35 / JT AHEAD 0, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.3' COV.) RP:BLH RJB HP:BLH RJB FP:BLH RJB CP:BLH RJB    |
| BEND      | 51+37         | 60° INDUCTION BEND (SB RIGHT) 12 O.D. x 0.5 W.T., X52, API-5L PSL2, HFW, FBE, (5.3' COV.)   |
| WELD      | 51+43         | WELD - XRAY#DP T36 / JT AHEAD 13, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.3' COV.) RP:BLH RJB HP:BLH RJB FP:BLH RJB CP:BLH RJB  |
| WELD      | 51+92         | WELD - XRAY#DP36 / JT AHEAD 158, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.7' COV.) RP:TMR TAW HP:TMR TAW FP:RJB RJB CP:RAP RDT   |
| WELD      | 52+33         | WELD - XRAY#DP37 / JT AHEAD 154, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.5' COV.) RP:CDB MWV HP:CDB MWV FP:RJB RJB CP:RAP RDT   |
| WELD      | 52+78         | WELD - XRAY#DP38 / JT AHEAD 155, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.4' COV.) RP:BRS AKH HP:BRS AKH FP:RJB RJB CP:RAP RDT   |
| WELD      | 53+23         | WELD - XRAY#DP39 / JT AHEAD 153, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.3' COV.) RP:BRS AKH HP:BRS AKH FP:RJB RJB CP:RAP RDT   |
| BEND      | 53+50         | 9° FIELD BEND BEND (SB LEFT) 12 O.D. x 0.5 W.T., X52, API-5L PSL2, HFW, FBE, (5.5' COV.)  |
| WELD      | 53+68         | WELD - XRAY#DP40 / JT AHEAD 156, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.6' COV.) RP:RJB RJB HP:RJB RJB FP:RJB RJB CP:RAP RDT   |
| WELD      | 54+13         | WELD - XRAY#DP41 / JT AHEAD 170, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.3' COV.) RP:RDT RAP HP:RDT RAP FP:RDT RAP CP:RAP RDT   |
| BEND      | 54+42         | 9° FIELD BEND BEND (SB LEFT) 12 O.D. x 0.5 W.T., X52, API-5L PSL2, HFW, FBE, (5.8' COV.)  |
| WELD      | 54+57         | WELD - XRAY#DP T43 / JT AHEAD 171, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.8' COV.) RP:RJB RJB HP:RJB RJB FP:RJB RJB CP:RAP RDT |
| WELD      | 54+92         | WELD - XRAY#DPT38 / JT AHEAD 166, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.5' COV.) RP:RJB RJB HP:RJB RJB FP:RJB RJB CP:RAP RDT  |
| WELD      | 55+12         | WELD - XRAY#DP T39 / JT AHEAD 321, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (6' COV.) RP:RJB RJB HP:RJB RJB FP:RJB RJB CP:RAP RDT   |
| WELD      | 55+57         | WELD - XRAY#DPT40 / JT AHEAD 320, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.9' COV.) RP:RJB RJB HP:RJB RJB FP:RJB RJB CP:RAP RDT  |
| BEND      | 55+83         | 13.5° FIELD BEND BEND (SB LEFT) 12 O.D. x 0.5 W.T., X52, API-5L PSL2, HFW, FBE, (5.7' COV.)   |
| WELD      | 56+03         | WELD - XRAY#DPT41 / JT AHEAD 818, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (6.2' COV.) RP:RJB RJB HP:RJB RJB FP:RJB RJB CP:RAP RDT  |
| BEND      | 56+04         | 6° INDUCTION BEND (SB LEFT) 12 O.D. x 0.5 W.T., X52, API-5L PSL2, HFW, FBE, (6.2' COV.)   |
| WELD      | 56+06         | WELD - XRAY#DPT42 / JT AHEAD 49, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (6.2' COV.) RP:RJB RJB HP:RJB RJB FP:RJB RJB CP:RAP RDT   |
| VENT      | 56+08         | 2IN. O.D. VENT (TEST LEAD: NO)  |
| CAD_WELD  | 56+09         | CAD WELD (# OF WIRES: 1)  |
| CAD_WELD  | 56+10         | CAD WELD (# OF WIRES: 1)  |
| WELD      | 56+64         | WELD - XRAY#DP11 / JT AHEAD 40, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (9.8' COV.) RP:RAP RDT HP:RAP RDT FP:RAP RDT CP:RAP RDT    |
| WELD      | 57+22         | WELD - XRAY#DP10 / JT AHEAD 46, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (13.7' COV.) RP:0 HP:0 FP:JRB RJB CP:RAP RDT               |
| WELD      | 57+80         | WELD - XRAY#DP9 / JT AHEAD 36, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (17.9' COV.) RP:0 HP:0 FP:JRB RJB CP:RAP RDT                |
| WELD      | 58+38         | WELD - XRAY#DP8 / JT AHEAD 41, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (20.5' COV.) RP:BRS JPE HP:BRS JPE FP:JRB RJB CP:RAP RDT    |
| WELD      | 58+96         | WELD - XRAY#DP7 / JT AHEAD 42, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (21.1' COV.) RP:CDB MWV HP:CDB MWV FP:JRB RJB CP:RAP RDT    |
| WELD      | 59+54         | WELD - XRAY#DP6 / JT AHEAD 50, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (22.6' COV.) RP:BRS JPE HP:BRS JPE FP:JRB RJB CP:RAP RDT    |
| WELD      | 60+12         | WELD - XRAY#DP5N / JT AHEAD 45, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (18.5' COV.) RP:BRS JPE HP:BRS JPE FP:JRB RJB CP:RAP RDT   |
| WELD      | 60+70         | WELD - XRAY#DP4 / JT AHEAD 77, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (14.4' COV.) RP:BRS JPE HP:BRS JPE FP:JRB RJB CP:RAP RDT    |
| BORE_WALL | 60+93         | BORE EXIT POINT (PIPELINE)  |
| VENT      | 61+10         | 0IN. O.D. VENT (TEST LEAD: YES)   |
| CASING    | 61+11         | 16 O.D. x STEEL CASING (0' COV.)  |
| WELD      | 61+28         | WELD - XRAY#DP3 / JT AHEAD 39, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (13' COV.) RP:CDB MWV HP:CDB MWV FP:JRB RJB CP:RAP RDT      |
| WELD      | 61+86         | WELD - XRAY#DP2 / JT AHEAD 44, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (11.9' COV.) RP:BRS JPE HP:BRS JPE FP:JRB RJB CP:RAP RDT    |
| WELD      | 62+45         | WELD - XRAY#DP1 / JT AHEAD 47, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.2' COV.) RP:CDB MWV HP:CDB MWV FP:JRB RJB CP:RAP RDT     |
| WELD      | 62+46         | WELD - XRAY#DPT44 / JT AHEAD 814, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.1' COV.) RP:RJB RJB HP:RJB RJB FP:RJB RJB CP:RAP RDT  |
| BEND      | 62+51         | 75° INDUCTION BEND (SB RIGHT) 12 O.D. x 0.5 W.T., X52, API-5L PSL2, HFW, FBE, (5.1' COV.)   |
| WELD      | 62+56         | WELD - XRAY#DPT45 / JT AHEAD 0, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5' COV.) RP:RJB RJB HP:RJB RJB FP:RJB RJB CP:RAP RDT      |
| WELD      | 63+00         | WELD - XRAY#DP75 / JT AHEAD 28, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5' COV.) RP:BRS TMR HP:BRS TMR FP:RAP AKH CP:RAP AKH      |
| WELD      | 63+37         | WELD - XRAY#DP76 / JT AHEAD 29, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.1' COV.) RP:BRS TMR HP:BRS TMR FP:RAP AKH CP:RAP AKH    |
| WELD      | 63+82         | WELD - XRAY#DP78 / JT AHEAD 32, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.6' COV.) RP:BRS TMR HP:BRS TMR FP:RAP AKH CP:RAP AKH    |
| WELD      | 64+20         | WELD - XRAY#DPT46 / JT AHEAD 30, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.8' COV.) RP:RJB RJB HP:RJB RJB FP:RJB RJB CP:RAP RDT   |
| WELD      | 64+64         | WELD - XRAY#DP74 / JT AHEAD 29, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (6.2' COV.) RP:BRS TMR HP:BRS TMR FP:RDT AKH CP:RAP RDT    |
| WELD      | 65+10         | WELD - XRAY#DP77 / JT AHEAD 27, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.6' COV.) RP:BRS TMR HP:BRS TMR FP:RDT AKH CP:RAP RDT    |
| BEND      | 65+22         | 2° FIELD BEND BEND (SAG) 12 O.D. x 0.375 W.T., X52, API-5L PSL2, HFW, FBE, (5.3' COV.)  |
| WELD      | 65+54         | WELD - XRAY#DP79 / JT AHEAD 26, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.5' COV.) RP:BRS TMR HP:BRS TMR FP:RDT AKH CP:RAP RDT    |

| CODE     | Slope Station | DESCRIPTION  |
|----------|---------------|--|
| BEND     | 65+77         | 2° FIELD BEND BEND (OB) 12 O.D. x 0.375 W.T., X52, API-5L PSL2, HFW, FBE, (0' COV.)  |
| WELD     | 66+00         | WELD - XRAY#DP80 / JT AHEAD 25, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.9' COV.) RP:BRS TMR HP:BRS TMR FP:RAP AKH CP:RAP AKH       |
| WELD     | 66+38         | WELD - XRAY#DP81 / JT AHEAD 24, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (6.1' COV.) RP:RAP AKH HP:RAP AKH FP:RAP AKH CP:RAP AKH       |
| WELD     | 66+84         | WELD - XRAY#DP82 / JT AHEAD 23, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (6.5' COV.) RP:TMR BRS HP:TMR BRS FP:RAP AKH CP:RAP AKH       |
| WELD     | 67+28         | WELD - XRAY#DP83 / JT AHEAD 22, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (6.4' COV.) RP:BRS TMR HP:BRS TMR FP:RAP AKH CP:RAP AKH       |
| WELD     | 67+73         | WELD - XRAY#DP84 / JT AHEAD 21, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.9' COV.) RP:TMR BRS HP:TMR BRS FP:RAP AKH CP:RAP AKH       |
| BEND     | 67+97         | 1° FIELD BEND BEND (OB) 12 O.D. x 0.375 W.T., X52, API-5L PSL2, HFW, FBE, (5.9' COV.)  |
| WELD     | 68+16         | WELD - XRAY#DP85 / JT AHEAD 88, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.9' COV.) RP:RJB RJB HP:RJB RJB FP:RAP AKH CP:RAP AKH       |
| WELD     | 68+56         | WELD - XRAY#DP86 / JT AHEAD 87, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (6.1' COV.) RP:BRS TMR HP:BRS TMR FP:RAP AKH CP:RAP AKH       |
| WELD     | 69+01         | WELD - XRAY#DP87 / JT AHEAD 89, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.9' COV.) RP:RJB RJB HP:RJB RJB FP:RAP AKH CP:RAP AKH       |
| WELD     | 69+44         | WELD - XRAY#DP88 / JT AHEAD 90, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.8' COV.) RP:BRS TMR HP:BRS TMR FP:RAP AKH CP:RAP AKH       |
| WELD     | 69+89         | WELD - XRAY#DP89 / JT AHEAD 91, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.5' COV.) RP:RJB RJB HP:RJB RJB FP:RAP AKH CP:RAP AKH       |
| BEND     | 70+07         | 2° FIELD BEND BEND (OB) 12 O.D. x 0.375 W.T., X52, API-5L PSL2, HFW, FBE, (5.8' COV.)  |
| WELD     | 70+34         | WELD - XRAY#DP90 / JT AHEAD 65, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.9' COV.) RP:BRS TMR HP:BRS TMR FP:RAP AKH CP:RAP AKH       |
| WELD     | 70+79         | WELD - XRAY#DP91 / JT AHEAD 38, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (6' COV.) RP:RJB RJB HP:RJB RJB FP:RAP RDT CP:RAP RDT         |
| BEND     | 71+01         | 3.5° FIELD BEND BEND (SAG) 12 O.D. x 0.375 W.T., X52, API-5L PSL2, HFW, FBE, (6.2' COV.)   |
| WELD     | 71+23         | WELD - XRAY#DP92 / JT AHEAD 64, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.7' COV.) RP:BRS TMR HP:BRS TMR FP:RAP RDT CP:RAP RDT       |
| WELD     | 71+68         | WELD - XRAY#DP93 / JT AHEAD 63, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.1' COV.) RP:RJB RJB HP:RJB RJB FP:RAP RDT CP:RAP RDT       |
| WELD     | 72+06         | WELD - XRAY#DP156 / JT AHEAD 5, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.9' COV.) RP:TMR BRS HP:TMR BRS FP:TMR BRS CP:TMR BRS       |
| WELD     | 72+51         | WELD - XRAY#DP155 / JT AHEAD 85, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (7.1' COV.) RP:TMR BRS HP:TMR BRS FP:TMR BRS CP:TMR BRS      |
| WELD     | 72+95         | WELD - XRAY#DP94 / JT AHEAD 61, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.3' COV.) RP:TMR BRS HP:TMR BRS FP:RAP RDT CP:RAP RDT       |
| WELD     | 73+40         | WELD - XRAY#DP95 / JT AHEAD 66, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.8' COV.) RP:RJB RJB HP:RJB RJB FP:RAP RDT CP:RAP RDT       |
| WELD     | 73+85         | WELD - XRAY#DP96 / JT AHEAD 15, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (6.6' COV.) RP:BRS TMR HP:BRS TMR FP:RAP RDT CP:RAP RDT       |
| WELD     | 74+30         | WELD - XRAY#DP97 / JT AHEAD 62, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.9' COV.) RP:RJB RJB HP:RJB RJB FP:RAP RDT CP:RAP RDT       |
| WELD     | 74+75         | WELD - XRAY#DP98 / JT AHEAD 33, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.3' COV.) RP:RAP RDT HP:RAP RDT FP:RAP RDT CP:RAP RDT       |
| WELD     | 75+18         | WELD - XRAY#DP99 / JT AHEAD 60, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.7' COV.) RP:RJB RJB HP:RJB RJB FP:RAP RDT CP:RAP RDT       |
| WELD     | 75+63         | WELD - XRAY#DP100 / JT AHEAD 13, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5' COV.) RP:RAP RDT HP:RAP RDT FP:RAP RDT CP:RAP RDT        |
| WELD     | 76+07         | WELD - XRAY#DP157 / JT AHEAD 7, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.3' COV.) RP:TMR BRS HP:TMR BRS FP:TMR BRS CP:TMR BRS       |
| WELD     | 76+52         | WELD - XRAY#DP151 / JT AHEAD 8, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.4' COV.) RP:TMR BRS HP:TMR BRS FP:RDT AKH CP:RDT AKH       |
| WELD     | 76+97         | WELD - XRAY#DP152 / JT AHEAD 9, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.6' COV.) RP:BRS TMR HP:BRS TMR FP:RDT AKH CP:RDT AKH       |
| WELD     | 77+42         | WELD - XRAY#DP153 / JT AHEAD 6, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (6' COV.) RP:BRS TMR HP:BRS TMR FP:RDT AKH CP:RDT AKH         |
| WELD     | 77+87         | WELD - XRAY#DP154 / JT AHEAD 14, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.1' COV.) RP:BRS TMR HP:BRS TMR FP:RDT RAP CP:RAP RDT      |
| WELD     | 78+07         | WELD - XRAY#T101 / JT AHEAD 10, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (6.2' COV.) RP:DAR DLR HP:DAR DLR FP:DAR DLR CP:DAR DLR       |
| WELD     | 78+47         | WELD - XRAY#DP160 / JT AHEAD 18, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (6.3' COV.) RP:TMR BRS HP:TMR BRS FP:RDT AKH CP:RDT AKH      |
| CAD_WELD | 78+82         | CAD WELD (# OF WIRES: 1)   |
| CAD_WELD | 78+84         | CAD WELD (# OF WIRES: 1)   |
| WELD     | 78+86         | WELD - XRAY#B04 / JT AHEAD B, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (4.5' COV.) RP:DAR DLR HP:DAR DLR FP:DAR DLR CP:DAR DLR         |
| BEND     | 78+90         | 45° INDUCTION BEND (SAG) 12 O.D. x 0.375 W.T., X52, API-5L PSL2, HFW, FBE, (0' COV.)   |
| WELD     | 78+95         | WELD - XRAY#B03 / JT AHEAD 244A, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (1.2' COV.) RP:DAR DLR HP:DAR DLR FP:DAR DLR CP:DAR DLR      |
| WELD     | 78+99         | WELD - XRAY#B02 / JT AHEAD B, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (-1.9' COV.) RP:DAR DLR HP:DAR DLR FP:DAR DLR CP:DAR DLR        |
| BEND     | 79+04         | 45° INDUCTION BEND (OB) 12 O.D. x 0.375 W.T., X52, API-5L PSL2, HFW, FBE, (0' COV.)  |
| WELD     | 79+08         | WELD - XRAY#B01 / JT AHEAD 0, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (-5.5' COV.) RP:DAR DLR HP:DAR DLR FP:DAR DLR CP:DAR DLR        |
| FLANGE   | 79+08         | 12 O.D. FLANGE, HT#0 (0' COV.)   |
| FLANGE   | 79+09         | 12 O.D. FLANGE, HT#0 (0' COV.)   |
| WELD     | 79+09         | WELD - XRAY#B11 / JT AHEAD FLANGE, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (-5.4' COV.) RP:DLR HP:DLR FP:DLR CP:DLR                   |
| TEE      | 79+10         | 12.75 O.D. x 0.375 W.T. / 12 O.D. x 0 W.T., GR. X52, SPEC. API-5L PSL2HT#0 (0' COV.)   |
| WELD     | 79+11         | WELD - XRAY#B12 / JT AHEAD 12X8 TEE, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (-5.5' COV.) RP:DAR DLR HP:DAR DLR FP:DAR DLR CP:DAR DLR |
| WELD     | 79+15         | WELD - XRAY#B / JT AHEAD 10, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (-5.6' COV.) RP:DAR DLR HP:DAR DLR FP:DAR DLR CP:DAR DLR         |
| FLANGE   | 79+16         | 12 O.D. FLANGE, HT#0 (0' COV.)   |
| VALVE    | 79+17         | 12 IN. 600 CLASS BALL VALVE (SERIAL#0 / MANUFACTURER: WKM)   |
| WELD     | 79+19         | WELD - XRAY#B05 / JT AHEAD FLANGE, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (-5.6' COV.) RP:DAR DLR HP:DAR DLR FP:DAR DLR CP:DAR DLR   |
| BEND     | 79+24         | 45° INDUCTION BEND (OB) 12 O.D. x 0.375 W.T., X52, API-5L PSL2, HFW, FBE, (0' COV.)  |
| WELD     | 79+29         | WELD - XRAY#B06 / JT AHEAD B41, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (-2.4' COV.) RP:DAR DLR HP:DAR DLR FP:DAR DLR CP:DAR DLR      |
| WELD     | 79+33         | WELD - XRAY#B07 / JT AHEAD 244, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (0.5' COV.) RP:DAR DLR HP:DAR DLR FP:DAR DLR CP:DAR DLR       |
| BEND     | 79+36         | 45° INDUCTION BEND (SAG) 12 O.D. x 0.375 W.T., X52, API-5L PSL2, HFW, FBE, (0' COV.)   |
| CAD_WELD | 79+39         | CAD WELD (# OF WIRES: 1)   |
| CAD_WELD | 79+40         | CAD WELD (# OF WIRES: 1)   |
| WELD     | 79+41         | WELD - XRAY#B04 / JT AHEAD B38, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (3.8' COV.) RP:DAR DLR HP:DAR DLR FP:DAR DLR CP:DAR DLR       |
| WELD     | 79+65         | WELD - XRAY#B09 / JT AHEAD 0, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (4' COV.) RP:DAR DLR HP:DAR DLR FP:DAR DLR CP:DAR DLR           |
| TEE      | 79+66         | 12.75 O.D. x 0.375 W.T. / 8 O.D. x 0 W.T., GR. X52, SPEC. API-5L PSL2HT#0 (0' COV.)  |
| WELD     | 79+67         | WELD - XRAY#B08 / JT AHEAD 12X8 TEE, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (4.1' COV.) RP:DAR DLR HP:DAR DLR FP:DAR DLR CP:DAR DLR  |
|          |               |  |

| CODE      | Slope Station | DESCRIPTION  |
|-----------|---------------|--|
| BORE_WALL | 82+37         | BORE EXIT POINT (ROAD)   |
| BORE_WALL | 82+39         | BORE EXIT POINT (ROAD)   |
| WELD      | 82+45         | WELD - XRAY#DP149 / JT AHEAD 84, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (9.9' COV.) RP:RJG BLH HP:RJG BLH FP:RJG BLH CP:RJG BLH  |
| WELD      | 82+57         | WELD - XRAY#DPT64 / JT AHEAD 11A, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (9.1' COV.) RP:OAH BLH HP:OAH BLH FP:OAH BLH CP:OAH BLH |
| WELD      | 82+72         | WELD - XRAY#DPT65 / JT AHEAD 84, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (9.6' COV.) RP:OAH BLH HP:OAH BLH FP:OAH BLH CP:OAH BLH  |
| WELD      | 82+90         | WELD - XRAY#DPT51 / JT AHEAD 92, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (9.4' COV.) RP:RJG BLH HP:RJG BLH FP:RJG BLH CP:RJG BLH  |
| WELD      | 83+34         | WELD - XRAY#DP101 / JT AHEAD 101, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (8.1' COV.) RP:TMR BRS HP:TMR BRS FP:RAP RDT CP:RAP RDT |
| BEND      | 83+51         | 3° FIELD BEND BEND (SAG) 12 O.D. x 0.375 W.T., X52, API-5L PSL2, HFW, FBE, (7.6' COV.)   |
| WELD      | 83+79         | WELD - XRAY#DP103 / JT AHEAD 100, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (7.2' COV.) RP:TMR BRS HP:TMR BRS FP:RAP RDT CP:RAP RDT |
| WELD      | 84+23         | WELD - XRAY#DPT50 / JT AHEAD 94, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (6.1' COV.) RP:RJG BLH HP:RJG BLH FP:RJG BLH CP:RJG BLH  |
| BEND      | 84+27         | 1° FIELD BEND BEND (OB) 12 O.D. x 0.375 W.T., X52, API-5L PSL2, HFW, FBE, (0' COV.)  |
| WELD      | 84+68         | WELD - XRAY#DP102 / JT AHEAD 11, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.5' COV.) RP:BRS TMR HP:BRS TMR FP:RAP RDT CP:RAP RDT  |
| WELD      | 84+88         | WELD - XRAY#DPT53 / JT AHEAD B34, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.9' COV.) RP:RJG BLH HP:RJG BLH FP:RJG BLH CP:RJG BLH |
| BEND      | 84+95         | 90° INDUCTION BEND (SB RIGHT) 12 O.D. x 0.375 W.T., X52, API-5L PSL2, HFW, FBE, (6.2' COV.)  |
| WELD      | 85+00         | WELD - XRAY#DPT54 / JT AHEAD 93, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (6.4' COV.) RP:RJG BLH HP:RJG BLH FP:RJG BLH CP:RJG BLH  |
| WELD      | 85+35         | WELD - XRAY#DPT55 / JT AHEAD 86, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.9' COV.) RP:BLH RJG HP:BLH RJG FP:BLH RJG CP:BLH RJG  |
| WELD      | 85+80         | WELD - XRAY#DP104 / JT AHEAD 98, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.5' COV.) RP:RAP RDT HP:RAP RDT FP:BRS TMR CP:BRS TMR  |
| BEND      | 85+90         | 5° FIELD BEND BEND (SAG) 12 O.D. x 0.375 W.T., X52, API-5L PSL2, HFW, FBE, (5.8' COV.)   |
| WELD      | 86+25         | WELD - XRAY#DP105 / JT AHEAD 97, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.3' COV.) RP:BRS TMR HP:BRS TMR FP:RAP RDT CP:RAP RDT  |
| BEND      | 86+45         | 1.5° FIELD BEND BEND (SAG) 12 O.D. x 0.375 W.T., X52, API-5L PSL2, HFW, FBE, (5.6' COV.)   |
| WELD      | 86+69         | WELD - XRAY#DP106 / JT AHEAD 96, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.2' COV.) RP:BRS TMR HP:BRS TMR FP:RAP RDT CP:RAP RDT  |
| BEND      | 86+89         | 1.5° FIELD BEND BEND (SAG) 12 O.D. x 0.375 W.T., X52, API-5L PSL2, HFW, FBE, (5.4' COV.)   |
| WELD      | 87+14         | WELD - XRAY#DP107 / JT AHEAD 99, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.3' COV.) RP:BRS TMR HP:BRS TMR FP:RAP RDT CP:RAP RDT  |
| WELD      | 87+59         | WELD - XRAY#DP108 / JT AHEAD 12, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.2' COV.) RP:BRS TMR HP:BRS TMR FP:RAP RDT CP:RAP RDT  |
| WELD      | 88+03         | WELD - XRAY#DP110 / JT AHEAD 95, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.3' COV.) RP:BRS TMR HP:BRS TMR FP:RAP RDT CP:RAP RDT  |
| BEND      | 88+26         | 2° FIELD BEND BEND (OB) 12 O.D. x 0.375 W.T., X52, API-5L PSL2, HFW, FBE, (5.8' COV.)  |
| WELD      | 88+48         | WELD - XRAY#DP111 / JT AHEAD 286, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (7.7' COV.) RP:RJG BLH HP:RJG BLH FP:RAP RDT CP:RAP RDT |
| WELD      | 88+93         | WELD - XRAY#DP112 / JT AHEAD 285, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.6' COV.) RP:RJG BLH HP:RJG BLH FP:RAP RDT CP:RAP RDT |
| WELD      | 89+34         | WELD - XRAY#DPT59 / JT AHEAD 11, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5' COV.) RP:RJG BLH HP:RJG BLH FP:RJG BLH CP:RJG BLH    |
| WELD      | 89+44         | WELD - XRAY#DPT60 / JT AHEAD 283, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (7' COV.) RP:RJG BLH HP:RJG BLH FP:RJG BLH CP:RJG BLH   |
| BEND      | 89+58         | 2° FIELD BEND BEND (SAG) 12 O.D. x 0.375 W.T., X52, API-5L PSL2, HFW, FBE, (5.8' COV.)   |
| WELD      | 89+86         | WELD - XRAY#DP109 / JT AHEAD 99, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.6' COV.) RP:RJG BLH HP:RJG BLH FP:RJG BLH CP:RJG BLH  |
| BEND      | 90+19         | 2° FIELD BEND BEND (OB) 12 O.D. x 0.375 W.T., X52, API-5L PSL2, HFW, FBE, (7.3' COV.)  |
| WELD      | 90+30         | WELD - XRAY#DPT52 / JT AHEAD 288, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (7.3' COV.) RP:RAP RDT HP:RAP RDT FP:RAP RDT CP:RAP RDT |
| BEND      | 90+44         | 4° FIELD BEND BEND (OB) 12 O.D. x 0.375 W.T., X52, API-5L PSL2, HFW, FBE, (6.9' COV.)  |
| WELD      | 90+75         | WELD - XRAY#DPT61 / JT AHEAD 1, 12 O.D. x 0.5 W.T., X52, HFW API-5L PSL2 ARO (8.3' COV.) RP:RJG BLH HP:RJG BLH FP:RLG BLH CP:RJG BLH     |
| BORE_WALL | 90+88         | BORE ENTRY POINT (PIPELINE)  |
| WELD      | 91+15         | WELD - XRAY#DPB35 / JT AHEAD 44, 12 O.D. x 0.5 W.T., X52, HFW API-5L PSL2 ARO (6.5' COV.) RP:TMR TAW HP:TMR TAW FP:BRS TMR CP:BRS TMR    |
| BORE_WALL | 91+33         | BORE EXIT POINT (PIPELINE)   |
| WELD      | 91+48         | WELD - XRAY#DPT58 / JT AHEAD 827, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (6.7' COV.) RP:RAP RDT HP:RAP RDT FP:RAP RDT CP:RAP RDT |
| BEND      | 91+53         | 45° INDUCTION BEND (SB LEFT) 12 O.D. x 0.375 W.T., X52, API-5L PSL2, HFW, FBE, (6.7' COV.)   |
| WELD      | 91+57         | WELD - XRAY#DPT57 / JT AHEAD 148, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (6.8' COV.) RP:RAP RDT HP:RAP RDT FP:RAP RDT CP:RAP RDT |
| WELD      | 91+97         | WELD - XRAY#DPT56 / JT AHEAD 845, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (6.2' COV.) RP:RAP RDT HP:RAP RDT FP:RAP RDT CP:RAP RDT |
| BEND      | 92+02         | 45° INDUCTION BEND (SB RIGHT) 12 O.D. x 0.375 W.T., X52, API-5L PSL2, HFW, FBE, (0' COV.)  |
| WELD      | 92+06         | WELD - XRAY#DPT62 / JT AHEAD 76, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.2' COV.) RP:RAP RDT HP:RAP RDT FP:RAP RDT CP:RAP RDT  |
| WELD      | 92+51         | WELD - XRAY#DP113 / JT AHEAD 149, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.5' COV.) RP:BRS TMR HP:BRS TMR FP:RAP RDT CP:RAP RDT |
| WELD      | 92+96         | WELD - XRAY#DP115 / JT AHEAD 146, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.6' COV.) RP:RJG BLH HP:RJG BLH FP:RAP RDT CP:RAP RDT |
| WELD      | 93+40         | WELD - XRAY#DPT63 / JT AHEAD 83, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.5' COV.) RP:RAP RDT HP:RAP RDT FP:RAP RDT CP:RAP RDT  |
| WELD      | 93+81         | WELD - XRAY#DP114 / JT AHEAD 151, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.5' COV.) RP:BRS TMR HP:BRS TMR FP:RAP RDT CP:RAP RDT |
| WELD      | 94+26         | WELD - XRAY#DP116 / JT AHEAD 145, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.4' COV.) RP:RJG BLH HP:RJG BLH FP:RAP RDT CP:RAP RDT |
| WELD      | 94+71         | WELD - XRAY#DP117 / JT AHEAD 150, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.1' COV.) RP:RAP RDT HP:RAP RDT FP:RAP RDT CP:RAP RDT |
| WELD      | 95+15         | WELD - XRAY#DP118 / JT AHEAD 106, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.4' COV.) RP:BLH RJG HP:BLH RJG FP:RAP RDT CP:RAP RDT |
| WELD      | 95+60         | WELD - XRAY#DP119 / JT AHEAD 329, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.6' COV.) RP:BRS TMR HP:BRS TMR FP:RAP RDT CP:RAP RDT |
| BEND      | 95+72         | 1° FIELD BEND BEND (SAG) 12 O.D. x 0.375 W.T., X52, API-5L PSL2, HFW, FBE, (6.1' COV.)   |
| WELD      | 96+04         | WELD - XRAY#DP120 / JT AHEAD 251, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.7' COV.) RP:BLH RJG HP:BLH RJG FP:RAP RDT CP:RAP RDT |
| BEND      | 96+24         | 1° FIELD BEND BEND (SAG) 12 O.D. x 0.375 W.T., X52, API-5L PSL2, HFW, FBE, (5.8' COV.)   |
| WELD      | 96+48         | WELD - XRAY#DP121 / JT AHEAD 327, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.5' COV.) RP:BRS TMR HP:BRS TMR FP:RAP RDT CP:RAP RDT |
| BEND      | 96+83         | 3° FIELD BEND BEND (SAG) 12 O.D. x 0.375 W.T., X52, API-5L PSL2, HFW, FBE, (5.6' COV.)   |
| WELD      | 96+93         | WELD - XRAY#DP122 / JT AHEAD 252, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.3' COV.) RP:BLH RJG HP:BLH RJG FP:RAP RDT CP:RAP RDT |
| BEND      | 97+12         | 3.5° FIELD BEND BEND (SAG) 12 O.D. x 0.375 W.T., X52, API-5L PSL2, HFW, FBE, (5.4' COV.)   |
| WELD      | 97+36         | WELD - XRAY#DP123 / JT AHEAD 328, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5' COV.) RP:BRS TMR HP:BRS TMR FP:RAP RDT CP:RAP RDT   |
| WELD      | 97+81         | WELD - XRAY#DP124 / JT AHEAD 253, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5' COV.) RP:BLH RJG HP:BLH RJG FP:RAP RDT CP:RAP RDT   |
| WELD      | 98+26         | WELD - XRAY#DP125 / JT AHEAD 250, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (8.8' COV.) RP:BRS TMR HP:BRS TMR FP:RAP RDT CP:RAP RDT |
| BEND      | 98+38         | 5° FIELD BEND BEND (OB) 12 O.D. x 0.375 W.T., X52, API-5L PSL2, HFW, FBE, (7.4' COV.)  |
| WELD      | 98+71         | WELD - XRAY#DP126 / JT AHEAD 249, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.1' COV.) RP:BLH RJG HP:BLH RJG FP:RAP RDT CP:RAP RDT |
| WELD      | 99+16         | WELD - XRAY#DP127 / JT AHEAD 255, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.2' COV.) RP:BLH RJG HP:BLH RJG FP:RAP RDT CP:RAP RDT |
| BEND      | 99+32         | 2° FIELD BEND BEND (SAG) 12 O.D. x 0.375 W.T., X52, API-5L PSL2, HFW, FBE, (5.5' COV.)   |
| WELD      | 99+61         | WELD - XRAY#DP128 / JT AHEAD 260, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5' COV.) RP:BRS TMR HP:BRS TMR FP:RAP RDT CP:RAP RDT   |
| WELD      | 100+06        | WELD - XRAY#DP129 / JT AHEAD 254, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.2' COV.) RP:RJG BLH HP:RJG BLH FP:RAP RDT CP:RAP RDT |
| WELD      | 100+44        | WELD - XRAY#DP130 / JT AHEAD 262, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.3' COV.) RP:BRS TMR HP:BRS TMR FP:RAP RDT CP:RAP RDT |

| CODE      | Slope Station | DESCRIPTION   |
|-----------|---------------|---|
| WELD      | 100+89        | WELD - XRAY#DP131 / JT AHEAD 261, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.7' COV.) RP:BLH RJG HP:BLH RJG FP:RAP RDT CP:RAP RDT  |
| WELD      | 101+34        | WELD - XRAY#DP132 / JT AHEAD 58, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.9' COV.) RP:BRS TMR HP:BRS TMR FP:RAP RDT CP:RAP RDT   |
| WELD      | 101+46        | WELD - XRAY#DP133 / JT AHEAD 303, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.5' COV.) RP:BRS TMR HP:BRS TMR FP:AKH RDT CP:AKH RDT  |
| WELD      | 101+91        | WELD - XRAY#DP134 / JT AHEAD 293, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.5' COV.) RP:RJG BLH HP:RJG BLH FP:AKH RDT CP:AKH RDT  |
| BEND      | 102+09        | 6° FIELD BEND BEND (OB) 12 O.D. x 0.375 W.T., X52, API-5L PSL2, HFW, FBE, (5.2' COV.)   |
| WELD      | 102+36        | WELD - XRAY#DP135 / JT AHEAD 301, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.4' COV.) RP:BLH RJG HP:BLH RJG FP:AKH RDT CP:AKH RDT  |
| BEND      | 102+48        | 4° FIELD BEND BEND (OB) 12 O.D. x 0.375 W.T., X52, API-5L PSL2, HFW, FBE, (5.3' COV.)   |
| WELD      | 102+81        | WELD - XRAY#DP136 / JT AHEAD 299, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.3' COV.) RP:BRS TMR HP:BRS TMR FP:AKH RDT CP:AKH RDT  |
| WELD      | 103+26        | WELD - XRAY#DP137 / JT AHEAD 300, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.5' COV.) RP:BLH RJG HP:BLH RJG FP:AKH RDT CP:AKH RDT  |
| WELD      | 103+71        | WELD - XRAY#DP138 / JT AHEAD 298, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.7' COV.) RP:BRS TMR HP:BRS TMR FP:AKH RDT CP:AKH RDT  |
| WELD      | 104+16        | WELD - XRAY#DP139 / JT AHEAD 297, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.5' COV.) RP:BLH RJG HP:BLH RJG FP:AKH RDT CP:AKH RDT  |
| WELD      | 104+61        | WELD - XRAY#DP140 / JT AHEAD 302, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.4' COV.) RP:BRS TMR HP:BRS TMR FP:AKH RDT CP:AKH RDT  |
| WELD      | 105+05        | WELD - XRAY#DP141 / JT AHEAD 292, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.3' COV.) RP:BLH RJG HP:BLH RJG FP:AKH RDT CP:AKH RDT  |
| WELD      | 105+50        | WELD - XRAY#DP142 / JT AHEAD 289, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.3' COV.) RP:BRS TMR HP:BRS TMR FP:AKH RDT CP:AKH RDT  |
| WELD      | 105+95        | WELD - XRAY#DP143 / JT AHEAD 290, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.3' COV.) RP:BLH RJG HP:BLH RJG FP:AKH RDT CP:AKH RDT  |
| WELD      | 106+40        | WELD - XRAY#DP144 / JT AHEAD 291, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.4' COV.) RP:BRS TMR HP:BRS TMR FP:AKH RDT CP:AKH RDT  |
| WELD      | 106+85        | WELD - XRAY#DP145 / JT AHEAD 294, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.4' COV.) RP:BLH RJG HP:BLH RJG FP:AKH RDT CP:AKH RDT  |
| BEND      | 107+05        | 1° FIELD BEND BEND (OB) 12 O.D. x 0.375 W.T., X52, API-5L PSL2, HFW, FBE, (5.4' COV.)   |
| WELD      | 107+31        | WELD - XRAY#DP146 / JT AHEAD 284, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.3' COV.) RP:BRS TMR HP:BRS TMR FP:AKH RDT CP:AKH RDT  |
| BEND      | 107+63        | 1.5° FIELD BEND BEND (SAG) 12 O.D. x 0.375 W.T., X52, API-5L PSL2, HFW, FBE, (5.2' COV.)  |
| WELD      | 107+74        | WELD - XRAY#DP147 / JT AHEAD 206, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.1' COV.) RP:BRS RJG HP:BRS RJG FP:AKH RDT CP:AKH RDT  |
| WELD      | 108+19        | WELD - XRAY#DP148 / JT AHEAD 203, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.2' COV.) RP:BRS TMR HP:BRS TMR FP:AKH RDT CP:AKH RDT  |
| CAD_WELD  | 108+47        | CAD WELD (# OF WIRES: 1)  |
| CAD_WELD  | 108+49        | CAD WELD (# OF WIRES: 1)  |
| WELD      | 108+64        | WELD - XRAY#DP149 / JT AHEAD 209, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.3' COV.) RP:BRS TMR HP:BRS TMR FP:AKH RDT CP:AKH RDT  |
| WELD      | 109+09        | WELD - XRAY#DP150 / JT AHEAD 208, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.6' COV.) RP:BRS TMR HP:BRS TMR FP:AKH RDT CP:AKH RDT  |
| WELD      | 109+53        | WELD - XRAY#DPT68 / JT AHEAD 48, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (7' COV.) RP:RAP RDT HP:RAP RDT FP:RAP RDT CP:RAP RDT     |
| WELD      | 109+64        | WELD - XRAY#DPT67 / JT AHEAD 207, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (6.8' COV.) RP:RAP RDT HP:RAP RDT FP:RAP RDT CP:RAP RDT  |
| WELD      | 110+03        | WELD - XRAY#DPT66 / JT AHEAD 213, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.3' COV.) RP:RAP RDT HP:RAP RDT FP:RAP RDT CP:RAP RDT  |
| WELD      | 110+47        | WELD - XRAY#DPT67 / JT AHEAD 448, 12 O.D. x 0.5 W.T., X52, HFW API-5L PSL2 ARO (4.5' COV.) RP:0 HP:0 FP:0 CP:0                            |
| WELD      | 110+60        | WELD - XRAY#DPT67 / JT AHEAD 63, 12 O.D. x 0.5 W.T., X52, HFW API-5L PSL2 ARO (4.6' COV.) RP:0 HP:0 FP:0 CP:0                             |
| BORE_WALL | 110+75        | BORE ENTRY POINT (PIPELINE)   |
| WELD      | 111+34        | WELD - XRAY#DPB32 / JT AHEAD 45, 12 O.D. x 0.5 W.T., X52, HFW API-5L PSL2 ARO (9.3' COV.) RP:0 HP:0 FP:0 CP:0                             |
| WELD      | 111+78        | WELD - XRAY#DPB31 / JT AHEAD 46, 12 O.D. x 0.5 W.T., X52, HFW API-5L PSL2 ARO (25.7' COV.) RP:0 HP:0 FP:0 CP:0                            |
| WELD      | 112+23        | WELD - XRAY#DPB30 / JT AHEAD 47, 12 O.D. x 0.5 W.T., X52, HFW API-5L PSL2 ARO (17' COV.) RP:0 HP:0 FP:0 CP:0                              |
| BORE_WALL | 112+79        | BORE EXIT POINT (PIPELINE)  |
| WELD      | 113+04        | WELD - XRAY#DPT97 / JT AHEAD B19, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (18.4' COV.) RP:RJG BLH HP:RJG BLH FP:RJG BLH CP:RJG BLH |
| BEND      | 113+09        | 60° INDUCTION BEND (SB RIGHT) 12 O.D. x 0.375 W.T., X52, API-5L PSL2, HFW, FBE, (0' COV.)   |
| WELD      | 113+11        | WELD - XRAY#DPT98 / JT AHEAD 84, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (18.9' COV.) RP:RJG BLH HP:RJG BLH FP:RJG BLH CP:RJG BLH  |
| WELD      | 113+19        | WELD - XRAY#DPT97 / JT AHEAD 304, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (21.3' COV.) RP:RJG BLH HP:RJG BLH FP:RJG BLH CP:RJG BLH |
| WELD      | 113+63        | WELD - XRAY#DPT99 / JT AHEAD 317, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (23.5' COV.) RP:RJG BLH HP:RJG BLH FP:RJG BLH CP:RJG BLH |
| BORE_WALL | 113+74        | BORE ENTRY POINT (OTHER- SEE NOTES)   |
| BORE_WALL | 113+84        | BORE ENTRY POINT (ROAD)   |
| WELD      | 113+95        | WELD - XRAY#DPT99 / JT AHEAD B14, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (21' COV.) RP:RJG BLH HP:RJG BLH FP:RJG BLH CP:RJG BLH   |
| BEND      | 113+96        | 7° INDUCTION BEND (OB) 12 O.D. x 0.375 W.T., X52, API-5L PSL2, HFW, FBE, (0' COV.)  |
| WELD      | 114+00        | WELD - XRAY#DPT100 / JT AHEAD 3, 12 O.D. x 0.5 W.T., X52, HFW API-5L PSL2 ARO (18.4' COV.) RP:RJG BLH HP:RJG BLH FP:RJG BLH CP:RJG BLH    |
| WELD      | 114+46        | WELD - XRAY#DPB59 / JT AHEAD 36, 12 O.D. x 0.5 W.T., X52, HFW API-5L PSL2 ARO (8.5' COV.) RP:BRS AKH HP:BRS AKH FP:BRS AKH CP:BRS AKH     |
| WELD      | 114+90        | WELD - XRAY#DPB58 / JT AHEAD 4, 12 O.D. x 0.5 W.T., X52, HFW API-5L PSL2 ARO (35.8' COV.) RP:TAW TMR HP:TAW TMR FP:BRS AKH CP:BRS AKH     |
| WELD      | 115+25        | WELD - XRAY#DPB57 / JT AHEAD 23, 12 O.D. x 0.5 W.T., X52, HFW API-5L PSL2 ARO (40.4' COV.) RP:TAW TMR HP:TAW TMR FP:BRS AKH CP:BRS AKH    |
| WELD      | 115+69        | WELD - XRAY#DPB56 / JT AHEAD 37, 12 O.D. x 0.5 W.T., X52, HFW API-5L PSL2 ARO (45.1' COV.) RP:TAW TMR HP:TAW TMR FP:BRS AKH CP:BRS AKH    |
| WELD      | 116+14        | WELD - XRAY#DPB55 / JT AHEAD 41, 12 O.D. x 0.5 W.T., X52, HFW API-5L PSL2 ARO (48.8' COV.) RP:TAW TMR HP:TAW TMR FP:BRS AKH CP:BRS AKH    |
| WELD      | 116+59        | WELD - XRAY#DPB54 / JT AHEAD 33, 12 O.D. x 0.5 W.T., X52, HFW API-5L PSL2 ARO (16.9' COV.) RP:BRS AKH HP:BRS AKH FP:BRS AKH CP:BRS AKH    |
| WELD      | 117+04        | WELD - XRAY#DPB37 / JT AHEAD 3, 12 O.D. x 0.5 W.T., X52, HFW API-5L PSL2 ARO (17.9' COV.) RP:BRS AKH HP:BRS AKH FP:TMR TAW CP:TMR TAW     |
| WELD      | 117+49        | WELD - XRAY#DPB38 / JT AHEAD 2, 12 O.D. x 0.5 W.T., X52, HFW API-5L PSL2 ARO (18' COV.) RP:TAW TMR HP:TAW TMR FP:TMR TAW CP:TMR TAW       |
| WELD      | 117+93        | WELD - XRAY#DPB39 / JT AHEAD 6, 12 O.D. x 0.5 W.T., X52, HFW API-5L PSL2 ARO (17.1' COV.) RP:TAW TMR HP:TAW TMR FP:TMR TAW CP:TMR TAW     |
| WELD      | 118+38        | WELD - XRAY#DPB40 / JT AHEAD 25, 12 O.D. x 0.5 W.T., X52, HFW API-5L PSL2 ARO (15.2' COV.) RP:BRS JPE HP:BRS JPE FP:TMR TAW CP:TMR TAW    |
| WELD      | 118+83        | WELD - XRAY#DPB41 / JT AHEAD 24, 12 O.D. x 0.5 W.T., X52, HFW API-5L PSL2 ARO (12.9' COV.) RP:RDT AKH HP:RDT AKH FP:TMR TAW CP:TMR TAW    |
| WELD      | 119+24        | WELD - XRAY#DPB42 / JT AHEAD 35, 12 O.D. x 0.5 W.T., X52, HFW API-5L PSL2 ARO (10.4' COV.) RP:JPE BRS HP:JPE BRS FP:TMR TAW CP:TMR TAW    |
| BORE_WALL | 119+66        | BORE EXIT POINT   |

| CODE         | Slope Station | DESCRIPTION   |
|--------------|---------------|---|
| WELD         | 123+07        | WELD - XRAY#DP170 / JT AHEAD 296, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.5' COV.) RP:BRS TAW HP:BRS TAW FP:RAP RDT CP:RAP RDT  |
| WELD         | 123+50        | WELD - XRAY#DP171 / JT AHEAD 159, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.9' COV.) RP:BRS TAW HP:BRS TAW FP:RAP RDT CP:RAP RDT  |
| WELD         | 123+94        | WELD - XRAY#DP172 / JT AHEAD 163, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.5' COV.) RP:TMR TAW HP:TMR TAW FP:RAP RDT CP:RAP RDT  |
| WELD         | 124+39        | WELD - XRAY#DP173 / JT AHEAD 280, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.5' COV.) RP:BRS AKH HP:BRS AKH FP:RAP RDT CP:RAP RDT  |
| WELD         | 124+84        | WELD - XRAY#DP174 / JT AHEAD 281, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.4' COV.) RP:TMR TAW HP:TMR TAW FP:RAP RDT CP:RAP RDT  |
| WELD         | 125+29        | WELD - XRAY#DP175 / JT AHEAD 282, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (6' COV.) RP:BRS AKH HP:BRS AKH FP:RAP RDT CP:RAP RDT    |
| WELD         | 125+73        | WELD - XRAY#DP176 / JT AHEAD 275, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.7' COV.) RP:TAW TMR HP:TAW TMR FP:RAP RDT CP:RAP RDT  |
| WELD         | 126+18        | WELD - XRAY#DP174 / JT AHEAD 268, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.7' COV.) RP:RJG BLH HP:RJG BLH FP:RJG BLH CP:RJG BLH  |
| WELD         | 126+40        | WELD - XRAY#DP178 / JT AHEAD 267, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (6.6' COV.) RP:BRS AKH HP:BRS AKH FP:RAP RDT CP:RAP RDT  |
| WELD         | 126+85        | WELD - XRAY#DP175 / JT AHEAD 4, 12 O.D. x 0.5 W.T., X52, HFW API-5L PSL2 ARO (9.3' COV.) RP:RJG BLH HP:RJG BLH FP:RJG BLH CP:RJG BLH      |
| BORE_WALL    | 127+07        | BORE ENTRY POINT (OTHER- SEE NOTES)   |
| WELD         | 127+14        | WELD - XRAY#DP59 / JT AHEAD 36, 12 O.D. x 0.5 W.T., X52, HFW API-5L PSL2 ARO (8.5' COV.) RP:BRS AKH HP:BRS AKH FP:BRS AKH CP:BRS AKH      |
| BORE_WALL    | 127+46        | BORE EXIT POINT (PIPELINE)  |
| WELD         | 127+60        | WELD - XRAY#DP177 / JT AHEAD 82, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (13.1' COV.) RP:RJG BLH HP:RJG BLH FP:RJG BLH CP:RJG BLH  |
| BEND         | 127+71        | 7" FIELD BEND BEND (SAG) 12 O.D. x 0.375 W.T., X52, API-5L PSL2, HFW, FBE, (13.5' COV.)   |
| BEND         | 127+90        | 4" FIELD BEND BEND (OB) 12 O.D. x 0.375 W.T., X52, API-5L PSL2, HFW, FBE, (12.4' COV.)  |
| WELD         | 127+98        | WELD - XRAY#DP176 / JT AHEAD 160, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (9' COV.) RP:RJG BLH HP:RJG BLH FP:RJG BLH CP:RJG BLH    |
| WELD         | 128+38        | WELD - XRAY#DP183 / JT AHEAD 268, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (7.1' COV.) RP:RJG BLH HP:RJG BLH FP:RJG BLH CP:RJG BLH  |
| WELD         | 128+48        | WELD - XRAY#DP178 / JT AHEAD 269, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (6.4' COV.) RP:RJG BLH HP:RJG BLH FP:RJG BLH CP:RJG BLH  |
| WELD         | 128+77        | WELD - XRAY#DP177 / JT AHEAD 266, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (6.2' COV.) RP:TAW TMR HP:TAW TMR FP:RAP RDT CP:RAP RDT  |
| WELD         | 129+22        | WELD - XRAY#DP179 / JT AHEAD 271, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.9' COV.) RP:TAW TMR HP:TAW TMR FP:RAP RDT CP:RAP RDT  |
| WELD         | 129+67        | WELD - XRAY#DP180 / JT AHEAD 263, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.6' COV.) RP:BRS AKH HP:BRS AKH FP:RAP RDT CP:RAP RDT  |
| WELD         | 130+12        | WELD - XRAY#DP181 / JT AHEAD 270, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (6.1' COV.) RP:TMR TAW HP:TMR TAW FP:RAP RDT CP:RAP RDT  |
| WELD         | 130+57        | WELD - XRAY#DP182 / JT AHEAD 185, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.9' COV.) RP:BRS AKH HP:BRS AKH FP:RAP RDT CP:RAP RDT  |
| WELD         | 131+02        | WELD - XRAY#DP183 / JT AHEAD 184, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.9' COV.) RP:TMR TAW HP:TMR TAW FP:RAP RDT CP:RAP RDT  |
| WELD         | 131+47        | WELD - XRAY#DP184 / JT AHEAD 180, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (6' COV.) RP:BRS AKH HP:BRS AKH FP:RAP RDT CP:RAP RDT    |
| WELD         | 131+91        | WELD - XRAY#DP185 / JT AHEAD 179, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.8' COV.) RP:TMR TAW HP:TMR TAW FP:RAP RDT CP:RAP RDT  |
| WELD         | 132+36        | WELD - XRAY#DP186 / JT AHEAD 181, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.5' COV.) RP:BRS AKH HP:BRS AKH FP:RAP RDT CP:RAP RDT  |
| WELD         | 132+81        | WELD - XRAY#DP187 / JT AHEAD 196, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.2' COV.) RP:TMR TAW HP:TMR TAW FP:RAP RDT CP:RAP RDT  |
| WELD         | 133+26        | WELD - XRAY#DP188 / JT AHEAD 197, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.5' COV.) RP:BRS AKH HP:BRS AKH FP:RAP RDT CP:RAP RDT  |
| WELD         | 133+70        | WELD - XRAY#DP259N / JT AHEAD 273, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.7' COV.) RP:RJG BLH HP:RJG BLH FP:RJG BLH CP:RJG BLH |
| WELD         | 134+14        | WELD - XRAY#DP192 / JT AHEAD 274, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.1' COV.) RP:BRS AKH HP:BRS AKH FP:RAP RDT CP:RAP RDT  |
| BEND         | 134+33        | 2" FIELD BEND BEND (SAG) 12 O.D. x 0.375 W.T., X52, API-5L PSL2, HFW, FBE, (5.5' COV.)  |
| WELD         | 134+59        | WELD - XRAY#DP194 / JT AHEAD 272, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.7' COV.) RP:BRS AKH HP:BRS AKH FP:RAP RDT CP:RAP RDT  |
| WELD         | 135+04        | WELD - XRAY#DP196 / JT AHEAD 220, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.3' COV.) RP:BRS AKH HP:BRS AKH FP:RAP RDT CP:RAP RDT  |
| WELD         | 135+49        | WELD - XRAY#DP260 / JT AHEAD 194, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.1' COV.) RP:RJG BLH HP:RJG BLH FP:RJG BLH CP:RJG BLH  |
| WELD         | 135+91        | WELD - XRAY#DP189 / JT AHEAD 195, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.4' COV.) RP:TMR TAW HP:TMR TAW FP:RAP RDT CP:RAP RDT  |
| BEND         | 136+06        | 4" FIELD BEND BEND (SAG) 12 O.D. x 0.375 W.T., X52, API-5L PSL2, HFW, FBE, (5.4' COV.)  |
| WELD         | 136+32        | WELD - XRAY#DP190 / JT AHEAD 161, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.4' COV.) RP:BRS AKH HP:BRS AKH FP:RAP RDT CP:RAP RDT  |
| BEND         | 136+54        | 2" FIELD BEND BEND (OB) 12 O.D. x 0.375 W.T., X52, API-5L PSL2, HFW, FBE, (5.4' COV.)   |
| WELD         | 136+77        | WELD - XRAY#DP191 / JT AHEAD 162, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.1' COV.) RP:TMR TAW HP:TMR TAW FP:RAP RDT CP:RAP RDT  |
| WELD         | 137+22        | WELD - XRAY#DP193 / JT AHEAD 193, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.1' COV.) RP:TMR TAW HP:TMR TAW FP:RAP RDT CP:RAP RDT  |
| WELD         | 137+66        | WELD - XRAY#DP195 / JT AHEAD 199, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.2' COV.) RP:TMR TAW HP:TMR TAW FP:RAP RDT CP:RAP RDT  |
| WELD         | 138+11        | WELD - XRAY#DP197 / JT AHEAD 198, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.2' COV.) RP:TMR TAW HP:TMR TAW FP:RAP RDT CP:RAP RDT  |
| WELD         | 138+56        | WELD - XRAY#DP198 / JT AHEAD 214, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5' COV.) RP:BRS AKH HP:BRS AKH FP:RAP RDT CP:RAP RDT    |
| WELD         | 139+01        | WELD - XRAY#DP199 / JT AHEAD 215, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.1' COV.) RP:TMR TAW HP:TMR TAW FP:RAP RDT CP:RAP RDT  |
| WELD         | 139+46        | WELD - XRAY#DP200 / JT AHEAD 216, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.2' COV.) RP:RAP RDT HP:RAP RDT FP:RAP RDT CP:RAP RDT  |
| WELD         | 139+91        | WELD - XRAY#DP201 / JT AHEAD 219, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.1' COV.) RP:TMR TAW HP:TMR TAW FP:RAP RDT CP:RAP RDT  |
| WELD         | 140+35        | WELD - XRAY#DP202 / JT AHEAD 218, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5' COV.) RP:BRS AKH HP:BRS AKH FP:RAP RDT CP:RAP RDT    |
| WELD         | 140+79        | WELD - XRAY#DP203 / JT AHEAD 217, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.5' COV.) RP:TMR TAW HP:TMR TAW FP:RAP RDT CP:RAP RDT  |
| WELD         | 141+24        | WELD - XRAY#DP204 / JT AHEAD 210, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.4' COV.) RP:BRS AKH HP:BRS AKH FP:RAP RDT CP:RAP RDT  |
| WELD         | 141+69        | WELD - XRAY#DP205 / JT AHEAD 211, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.3' COV.) RP:TAW TMR HP:TAW TMR FP:RAP RDT CP:RAP RDT  |
| WELD         | 142+14        | WELD - XRAY#DP182 / JT AHEAD 264, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.3' COV.) RP:RJG BLH HP:RJG BLH FP:RJG BLH CP:RJG BLH  |
| WELD         | 142+31        | WELD - XRAY#DP191 / JT AHEAD 265, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.1' COV.) RP:RJG BLH HP:RJG BLH FP:RJG BLH CP:RJG BLH  |
| WELD         | 142+61        | WELD - XRAY#DP190 / JT AHEAD B21, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (6.1' COV.) RP:RJG BLH HP:RJG BLH FP:RJG BLH CP:RJG BLH  |
| BEND         | 142+68        | 90° INDUCTION BEND (SB LEFT) 12 O.D. x 0.375 W.T., X52, API-5L PSL2, HFW, FBE, (6.5' COV.)  |
| WELD         | 142+75        | WELD - XRAY#DP189 / JT AHEAD 0, 12 O.D. x 0.5 W.T., X52, HFW API-5L PSL2 ARO (7.3' COV.) RP:RJG BLH HP:RJG BLH FP:RJG BLH CP:RJG BLH      |
| BORE_WALL    | 142+86        | BORE ENTRY POINT (PIPELINE)   |
| WELD         | 143+06        | WELD - XRAY#DP188 / JT AHEAD 8, 12 O.D. x 0.5 W.T., X52, HFW API-5L PSL2 ARO (13' COV.) RP:RAP RDT HP:RAP RDT FP:RJG TMR CP:RJG TMR       |
| WELD         | 143+52        | WELD - XRAY#DP189 / JT AHEAD 7, 12 O.D. x 0.5 W.T., X52, HFW API-5L PSL2 ARO (19.5' COV.) RP:RAP RDT HP:RAP RDT FP:RJG TMR CP:RJG TMR     |
| WELD         | 143+96        | WELD - XRAY#DP187 / JT AHEAD 17, 12 O.D. x 0.5 W.T., X52, HFW API-5L PSL2 ARO (24.4' COV.) RP:RAP RDT HP:RAP RDT FP:RJG TMR CP:RJG TMR    |
| WELD         | 144+41        | WELD - XRAY#DP181 / JT AHEAD 1, 12 O.D. x 0.5 W.T., X52, HFW API-5L PSL2 ARO (26.1' COV.) RP:RAP RDT HP:RAP RDT FP:BRS AKH BR CP:RJG TMR  |
| WELD         | 144+85        | WELD - XRAY#DP182 / JT AHEAD 9, 12 O.D. x 0.5 W.T., X52, HFW API-5L PSL2 ARO (18' COV.) RP:RJG TMR HP:RJG TMR FP:RAP RDT CP:RAP RDT       |
| TEST_STATION | 145+22        | Test Station  |
| WELD         | 145+29        | WELD - XRAY#DP183 / JT AHEAD 15, 12 O.D. x 0.5 W.T., X52, HFW API-5L PSL2 ARO (15.7' COV.) RP:RAP RDT HP:RAP RDT FP:BRS AKH CP:BRS AKH    |
| CAD_WELD     | 145+63        | CAD WELD (# OF WIRES: 1)  |
| CAD_WELD     | 145+63        | CAD WELD (# OF WIRES: 1)  |
| WELD         | 145+74        | WELD - XRAY#DP184 / JT AHEAD 14, 12 O.D. x 0.5 W.T., X52, HFW API-5L PSL2 ARO (13.3' COV.) RP:RAP RDT HP:RAP RDT FP:RAP RDT CP:RAP RDT    |
| CAD_WELD     | 145+90        | CAD WELD (# OF WIRES: 1)  |
| CAD_WELD     | 145+91        | CAD WELD (# OF WIRES: 1)  |

| CODE      | Slope Station | DESCRIPTION  |
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| WELD      | 146+18        | WELD - XRAY#DP185 / JT AHEAD 28, 12 O.D. x 0.5 W.T., X52, HFW API-5L PSL2 ARO (10.3' COV.) RP:RAP RDT HP:RAP RDT FP:RAP RDT CP:RAP RDT   |
| BORE_WALL | 146+49        | BORE EXIT POINT (PIPELINE)   |
| CAD_WELD  | 146+60        | CAD WELD (# OF WIRES: 1)   |
| CAD_WELD  | 146+61        | CAD WELD (# OF WIRES: 1)   |
| WELD      | 146+63        | WELD - XRAY#DP189 / JT AHEAD B20, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (7.2' COV.) RP:RJG BLH HP:RJG BLH FP:RJG BLH CP:RJG BLH |
| BORE_WALL | 146+70        | BORE ENTRY POINT (ROAD)  |
| BEND      | 146+70        | 90° INDUCTION BEND (SB RIGHT) 12 O.D. x 0.375 W.T., X52, API-5L PSL2, HFW, FBE, (7.1' COV.)  |
| WELD      | 146+76        | WELD - XRAY#DP189 / JT AHEAD 307, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (6.8' COV.) RP:RJG BLH HP:RJG BLH FP:RJG BLH CP:RJG BLH |
| WELD      | 147+11        | WELD - XRAY#DP189 / JT AHEAD 306, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (6' COV.) RP:RJG BLH HP:RJG BLH FP:RJG BLH CP:RJG BLH   |
| WELD      | 147+56        | WELD - XRAY#DP206 / JT AHEAD 121, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (6' COV.) RP:JPE BRS HP:JPE BRS FP:RAP RDT CP:RAP RDT   |
| WELD      | 148+00        | WELD - XRAY#DP207 / JT AHEAD 120, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.7' COV.) RP:TAW TMR HP:TAW TMR FP:RAP RDT CP:RAP RDT |
| WELD      | 148+45        | WELD - XRAY#DP208 / JT AHEAD 308, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.6' COV.) RP:JPE BRS HP:JPE BRS FP:RAP RDT CP:RAP RDT |
| WELD      | 148+90        | WELD - XRAY#DP209 / JT AHEAD 309, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.7' COV.) RP:TAW TMR HP:TAW TMR FP:RAP RDT CP:RAP RDT |
| WELD      | 149+35        | WELD - XRAY#DP210 / JT AHEAD 310, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.7' COV.) RP:BRS JPE HP:BRS JPE FP:RAP RDT CP:RAP RDT |
| WELD      | 149+80        | WELD - XRAY#DP211 / JT AHEAD 123, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.5' COV.) RP:BRS JPE HP:BRS JPE FP:RAP RDT CP:RAP RDT |
| WELD      | 150+24        | WELD - XRAY#DP212 / JT AHEAD 107, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.8' COV.) RP:BRS JPE HP:BRS JPE FP:RAP RDT CP:RAP RDT |
| WELD      | 150+69        | WELD - XRAY#DP213 / JT AHEAD 279, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.6' COV.) RP:BRS JPE HP:BRS JPE FP:RAP RDT CP:RAP RDT |
| WELD      | 151+14        | WELD - XRAY#DP214 / JT AHEAD 116, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.2' COV.) RP:BRS JPE HP:BRS JPE FP:TMR TAW CP:RAP RDT |
| WELD      | 151+56        | WELD - XRAY#DP215 / JT AHEAD 122, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5' COV.) RP:BRS JPE HP:BRS JPE FP:TAW TMR CP:RAP RDT   |
| WELD      | 151+99        | WELD - XRAY#DP216 / JT AHEAD 278, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.3' COV.) RP:TAW TMR HP:TAW TMR FP:TAW TMR CP:RAP RDT |
| WELD      | 152+44        | WELD - XRAY#DP217 / JT AHEAD 277, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.3' COV.) RP:RAP RDT HP:RAP RDT FP:TMR TAW CP:RAP RDT |
| WELD      | 152+89        | WELD - XRAY#DP218 / JT AHEAD 224, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.2' COV.) RP:RAP RDT HP:RAP RDT FP:TMR TAW CP:JPE BRS |
| WELD      | 153+34        | WELD - XRAY#DP219 / JT AHEAD 222, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.8' COV.) RP:RAP RDT HP:RAP RDT FP:TAW TMR CP:TAW TMR |
| WELD      | 153+79        | WELD - XRAY#DP220 / JT AHEAD 190, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5' COV.) RP:RAP RDT HP:TAW TMR FP:RAP RDT CP:RAP RDT   |
| BEND      | 153+87        | 3" FIELD BEND BEND (OB) 12 O.D. x 0.375 W.T., X52, API-5L PSL2, HFW, FBE, (5.1' COV.)  |
| WELD      | 154+24        | WELD - XRAY#DP221 / JT AHEAD 186, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.2' COV.) RP:RAP RT HP:TAW TMR FP:JPE BRS CP:JPE BRS  |
| WELD      | 154+68        | WELD - XRAY#DP222 / JT AHEAD 227, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.2' COV.) RP:RAP RDT HP:TAW TMR FP:TAW TMR CP:TAW TMR |
| BEND      | 154+78        | 3" FIELD BEND BEND (SAG) 12 O.D. x 0.375 W.T., X52, API-5L PSL2, HFW, FBE, (5.3' COV.)   |
| WELD      | 155+13        | WELD - XRAY#DP223 / JT AHEAD 221, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.3' COV.) RP:RAP RDT HP:TAW TMR FP:RAP RDT CP:RAP RDT |
| WELD      | 155+58        | WELD - XRAY#DP224 / JT AHEAD 223, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5' COV.) RP:RAP RDT HP:TAW TMR FP:JPE BRS CP:JPE BRS   |
| WELD      | 156+03        | WELD - XRAY#DP225 / JT AHEAD 183, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.4' COV.) RP:RAP RDT HP:TAW TMR FP:TAW TMR CP:TAW TMR |
| WELD      | 156+48        | WELD - XRAY#DP226 / JT AHEAD 182, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.3' COV.) RP:RAP RDT HP:TAW TMR FP:JPE BRS CP:JPE BRS |
| WELD      | 156+93        | WELD - XRAY#DP227 / JT AHEAD 191, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.3' COV.) RP:RAP RDT HP:TAW TMR FP:TAW TMR CP:TAW TMR |
| BEND      | 157+15        | 2" FIELD BEND BEND (SAG) 12 O.D. x 0.375 W.T., X52, API-5L PSL2, HFW, FBE, (5.3' COV.)   |
| WELD      | 157+37        | WELD - XRAY#DP228 / JT AHEAD 189, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.1' COV.) RP:RAP RDT HP:TAW TMR FP:JPE BRS CP:JPE BRS |
| WELD      | 157+82        | WELD - XRAY#DP229 / JT AHEAD 192, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.1' COV.) RP:RAP RDT HP:TAW TMR FP:TAW TMR CP:TAW TMR |
| WELD      | 158+27        | WELD - XRAY#DP230 / JT AHEAD 187, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.5' COV.) RP:RAP RDT HP:TAW TMR FP:JPE BRS CP:JPE BRS |
| WELD      | 158+72        | WELD - XRAY#DP231 / JT AHEAD 188, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.9' COV.) RP:RAP RDT HP:TMR TAW FP:TMR TAW CP:TMR TAW |
| WELD      | 159+17        | WELD - XRAY#DP232 / JT AHEAD 1, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.8' COV.) RP:RAP RDT HP:TAW TMR FP:JPE BRS CP:JPE BRS   |
| WELD      | 159+62        | WELD - XRAY#DP233 / JT AHEAD 115, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.1' COV.) RP:RAP RDT HP:TAW TMR FP:TAW TMR CP:TAW TMR |
| BEND      | 159+90        | 3" FIELD BEND BEND (SAG) 12 O.D. x 0.375 W.T., X52, API-5L PSL2, HFW, FBE, (5' COV.)   |
| WELD      | 160+06        | WELD - XRAY#DP234 / JT AHEAD 276, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.1' COV.) RP:RAP RDT HP:TAW TMR FP:BRS JPE CP:BRS JPE |
| WELD      | 160+51        | WELD - XRAY#DP235 / JT AHEAD 164, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.7' COV.) RP:RAP RDT HP:TAW TMR FP:TAW TMR CP:TAW TMR |
| WELD      | 160+94        | WELD - XRAY#DP236 / JT AHEAD 104, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5' COV.) RP:RAP RDT HP:RAP RDT FP:BRS JPE CP:BRS JPE   |
| WELD      | 161+33        | WELD - XRAY#DP237 / JT AHEAD 326, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.1' COV.) RP:RAP RDT HP:RAP RDT FP:TAW TMR CP:TAW TMR |
| WELD      | 161+78        | WELD - XRAY#DP238 / JT AHEAD 325, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5' COV.) RP:RAP RJG HP:RJG BLH FP:RJG BLH CP:RJG BLH   |
| WELD      | 162+22        | WELD - XRAY#DP239 / JT AHEAD 105, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5' COV.) RP:RAP RDT HP:RJG BLH FP:BRS JPE CP:BRS JPE   |
| WELD      | 162+67        | WELD - XRAY#DP240 / JT AHEAD 237, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.1' COV.) RP:RAP RDT HP:RJG BLH FP:TAW TMR CP:TAW TMR |
| WELD      | 163+12        | WELD - XRAY#DP241 / JT AHEAD 257, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.1' COV.) RP:RAP RDT HP:RJG BLH FP:BRS JPE CP:BRS JPE |
| WELD      | 163+57        | WELD - XRAY#DP242 / JT AHEAD 258, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5' COV.) RP:RAP RDT HP:RJG BLH FP:BRS JPE CP:BRS JPE   |
| WELD      | 164+02        | WELD - XRAY#DP243 / JT AHEAD 259, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.1' COV.) RP:RAP RDT HP:BLH RJG FP:TAW TMR CP:TAW TMR |
| WELD      | 164+47        | WELD - XRAY#DP244 / JT AHEAD 232, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.1' COV.) RP:RAP RDT HP:BLH RJG FP:TAW TMR CP:TAW TMR |
| WELD      | 164+91        | WELD - XRAY#DP245 / JT AHEAD 235, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.1' COV.) RP:RAP RDT HP:RJG BLH FP:BRS JPE CP:BRS JPE |
| WELD      | 165+36        | WELD - XRAY#DP246 / JT AHEAD 238, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.4' COV.) RP:RAP RDT HP:RJG RCH FP:TAW TMR CP:TAW TMR |
| WELD      | 165+80        | WELD - XRAY#DP247 / JT AHEAD 237, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.4' COV.) RP:RAP RDT HP:RAP RDT FP:RJG BLH CP:RJG BLH |
| WELD      | 166+25        | WELD - XRAY#DP248 / JT AHEAD 233, 12 O.D. x 0.375 W.T., X  |

| CODE      | Slope Station | DESCRIPTION   |
|-----------|---------------|---|
| WELD      | 171+76        | WELD - XRAY#DPB78 / JT AHEAD 9, 12 O.D. x 0.5 W.T., X52, HFW API-5L PSL2 ARO (4.4' COV.) RP:0 HP:0 FP:0 CP:0                              |
| WELD      | 172+21        | WELD - XRAY#DPB77 / JT AHEAD 7, 12 O.D. x 0.5 W.T., X52, HFW API-5L PSL2 ARO (4.4' COV.) RP:0 HP:0 FP:0 CP:0                              |
| WELD      | 172+66        | WELD - XRAY#DPB76 / JT AHEAD 26, 12 O.D. x 0.5 W.T., X52, HFW API-5L PSL2 ARO (4.4' COV.) RP:0 HP:0 FP:0 CP:0                             |
| BORE_WALL | 173+01        | BORE EXIT POINT (ROAD)  |
| BORE_WALL | 173+01        | BORE EXIT POINT (ROAD)  |
| WELD      | 173+09        | WELD - XRAY#DPB87 / JT AHEAD 313, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (7.7' COV.) RP:RJG BLH HP:RJG BLH FP:RJG BLH CP:RJG BLH  |
| BEND      | 173+17        | 4° FIELD BEND BEND (OB) 12 O.D. x 0.375 W.T., X52, API-5L PSL2, HFW, FBE, (6.9' COV.)   |
| WELD      | 173+38        | WELD - XRAY#DP188 / JT AHEAD 316, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (6.3' COV.) RP:RJG BLH HP:RJG BLH FP:RJG BLH CP:RJG BLH  |
| WELD      | 173+83        | WELD - XRAY#DP253 / JT AHEAD 324, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.5' COV.) RP:BRS JPE HP:BRS JPE FP:RAP RDT CP:RAP RDT  |
| WELD      | 174+24        | WELD - XRAY#DP254 / JT AHEAD 312, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.4' COV.) RP:BRS JPE HP:BRS JPE FP:RAP RDT CP:RAP RDT  |
| WELD      | 174+69        | WELD - XRAY#DP256 / JT AHEAD 314, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.3' COV.) RP:TAW TMR HP:TAW TMR FP:RAP RDT CP:RAP RDT  |
| WELD      | 175+14        | WELD - XRAY#DP257 / JT AHEAD 305, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.4' COV.) RP:BRS JPE HP:BRS JPE FP:RAP RDT CP:RAP RDT  |
| WELD      | 175+58        | WELD - XRAY#DP258 / JT AHEAD 311, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5' COV.) RP:TAW TMR HP:TAW TMR FP:RAP RDT CP:RAP RDT    |
| WELD      | 176+00        | WELD - XRAY#DP195 / JT AHEAD B28, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.2' COV.) RP:RJG BLH HP:RJG BLH FP:RJG BLH CP:RJG BLH  |
| BEND      | 176+05        | 90° INDUCTION BEND (SB LEFT) 12 O.D. x 0.375 W.T., X52, API-5L PSL2, HFW, FBE, (5.2' COV.)  |
| WELD      | 176+13        | WELD - XRAY#DP196 / JT AHEAD 236, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (5.4' COV.) RP:RJG BLH HP:RJG BLH FP:RJG BLH CP:RJG BLH  |
| WELD      | 176+57        | WELD - XRAY#DP261 / JT AHEAD 239, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (15.3' COV.) RP:RAP RDT HP:RAP RDT FP:RAP RDT CP:RAP RDT |
| WELD      | 176+74        | WELD - XRAY#MR2 / JT AHEAD B48, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (15.5' COV.) RP:RAP RDT HP:RAP RDT FP:RAP RDT CP:RAP RDT   |
| CAD_WELD  | 176+75        | CAD WELD (# OF WIRES: 1)  |
| CAD_WELD  | 176+76        | CAD WELD (# OF WIRES: 1)  |
| BEND      | 176+77        | 45° INDUCTION BEND (SAG) 12 O.D. x 0.375 W.T., X52, API-5L PSL2, HFW, FBE, (15.2' COV.)   |
| WELD      | 176+85        | WELD - XRAY#MR1 / JT AHEAD 228, 12 O.D. x 0.375 W.T., X52, HFW API-5L PSL2 FBE (8.4' COV.) RP:RAP RDT HP:RAP RDT FP:RAP RDT CP:RAP RDT    |
| BEND      | 177+02        | 45° INDUCTION BEND (OB) 12 O.D. x 0.375 W.T., X52, API-5L PSL2, HFW, N/A, (0' COV.)   |
| WELD      | 177+02        | WELD - XRAY#EPF5 / JT AHEAD 0, 12 O.D. x 0.375 W.T., X52, SMLS ASTM A106 FBE (-3.7' COV.) RP:RAP RDT HP:RAP RDT FP:RAP RDT CP:RAP RDT     |
| WELD      | 177+05        | WELD - XRAY#EPF7 / JT AHEAD 0, 12 O.D. x 0.375 W.T., X52, SMLS ASTM A106 FBE (-3.7' COV.) RP:RAP RDT HP:RAP RDT FP:RAP RDT CP:RAP RDT     |
| TEE       | 177+06        | 12.75 O.D. x 0.375 W.T. / 12 O.D. x 0 W.T., GR. X52, SPEC. API-5L PSL2HT# A505MT (0' COV.)  |
| VALVE     | 177+09        | 12 IN. 600 CLASS BALL VALVE (SERIAL# 081JR 0217 / MANUFACTURER: BALON)  |
| TEE       | 177+18        | 12.75 O.D. x 0.375 W.T. / 12 O.D. x 0 W.T., GR. X52, SPEC. API-5L PSL2HT# 0 (0' COV.)   |
| LAUNCHER  | 177+37        | 16 O.D. LAUNCHER (0' COV.)  |



LW Survey Co.  
12345 W. Alameda Pkwy, Suite 205  
Lakewood, CO 80228

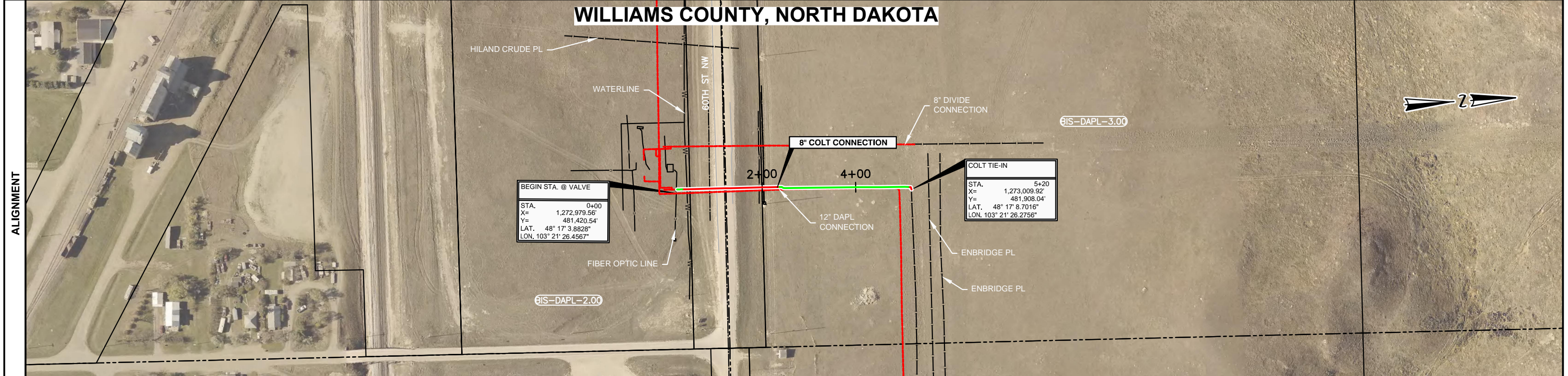


999 18th Street, Suite 3400S,  
Denver, CO 80202

DATE: 8/15/2017 4:50 PM BY: Anshu Boina FILE NAME: R:\Lakewood\51667 - DAPL Connection Pipeline\Drawings\Alignment Sheets\IFRecord\51667-REC-DAPL-DATA SHEETS.dwg

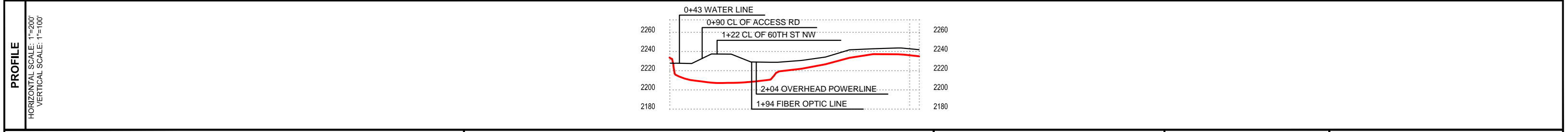
| OWNERSHIP | BIS-DAPL-2.00<br>NOELLE SISTERS PARTNERSHIP<br>0+00 1.61 RODS 0+27 | 60TH STREET N.W.<br>9.09 RODS 1+77 | BIS-DAPL-3.00<br>STATE OF NORTH DAKOTA<br>19.16 RODS 4+93 |
|-----------|--|------------------------------------|---|
|-----------|--|------------------------------------|---|

| STATIONING | 0+00 BEGIN STA.<br>0+00 8" BALL VALVE<br>0+05 90° INDUCTION BEND (OB)<br>0+11 P.I. < 1'38'05" L.T.<br>0+18 P.I. < 1'19'59" RT.<br>0+23 90° INDUCTION BEND (SAG)<br>0+34 5' INDUCTION BEND (SB LEFT)<br>0+43 WATER LINE<br>0+68 END 0.322" W.T. BEGIN 0.500" W.T.<br>0+90 CL OF ACCESS RD<br>1+05 EDGE OF 60TH ST NW<br>1+22 CL OF 60TH ST NW<br>1+38 EDGE OF 60TH ST NW<br>1+94 FIBER OPTIC LINE<br>2+03 FENCE<br>2+04 OVERHEAD POWERLINE<br>2+33 END 0.500" W.T. BEGIN 0.322" W.T.<br>2+33 P.I. < 1'37'32" RT.<br>2+45 45° INDUCTION BEND (SB RIGHT)<br>2+45 P.I. < 30'39'01" RT.<br>2+47 P.I. < 1'26'58" RT.<br>2+49 P.I. < 30'54'03" L.T.<br>2+49 45° INDUCTION BEND (SB LEFT)<br>2+52 P.I. < 2'07'44" L.T.<br>5+02 P.I. < 3'24'05" RT.<br>5+15 90° INDUCTION BEND (SB RIGHT)<br>5+15 P.I. < 70'53'11" RT.<br>5+20 END STA. |
|------------|--|
|------------|--|



| MATERIALS | <table border="1"> <tr> <td>①</td> <td>33'</td> <td>②</td> <td>201'</td> <td>①</td> <td>277'</td> <td>②</td> <td>10'</td> </tr> </table> | ① | 33'  | ② | 201' | ① | 277' | ② | 10' |
|-----------|--|---|------|---|------|---|------|---|-----|
| ①         | 33'  | ② | 201' | ① | 277' | ② | 10'  |   |     |

| COVER | NEGATIVE VALUES INDICATE ABOVE GRADE<br>0+00 0+11 0+18 0+33 0+69 1+10 1+92 2+33 2+52 3+02 3+52 4+02 4+52 5+02 5+20<br>-5' 0.5' 7.5' 12' 17.5' 30' 21' 10' 9.5' 8.5' 7.5' 8.5' 5.5' 6.5' |
|-------|---|
|-------|---|



| SECTION LINE<br>QUARTER SECTION LINE<br>PROPERTY/ROW LINE<br>ROAD CL<br>PIPE/TRENCH CENTERLINE<br>FENCE<br>OVERHEAD ELECTRIC<br>UNDERGROUND ELECTRIC<br>SUMMIT NG<br>SUMMIT SALT WATER<br>SUMMIT OIL<br>FOREIGN PIPE XING<br>ABANDONED PIPELINE<br>COMMUNICATION CABLE<br>HEAT TRACE | <b>MATERIAL SUMMARY</b>  |  | <b>REVISIONS</b> |             |             |      |             |   |      |  |   |   |   |   |      |  |   |   |   |  |     |      |             |   |         |                  |   |         |
|--|--|--|------------------|-------------|-------------|------|-------------|---|------|--|---|---|---|---|------|--|---|---|---|--|-----|------|-------------|---|---------|------------------|---|---------|
|  | <table border="1"> <tr> <th>MARK</th> <th>QTY.</th> <th>DESCRIPTION</th> <th>MARK</th> <th>QTY.</th> <th>DESCRIPTION</th> </tr> <tr> <td>4</td> <td>356'</td> <td>8" O.D. x 0.322" W.T., X52 API-5L PSL2 HFV</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>5</td> <td>165'</td> <td>8" O.D. x 0.500" W.T., X52 API-5L PSL2 HFV</td> <td>-</td> <td>-</td> <td>-</td> </tr> </table> | MARK                                       | QTY.             | DESCRIPTION | MARK        | QTY. | DESCRIPTION | 4 | 356' | 8" O.D. x 0.322" W.T., X52 API-5L PSL2 HFV | - | - | - | 5 | 165' | 8" O.D. x 0.500" W.T., X52 API-5L PSL2 HFV | - | - | - | <table border="1"> <tr> <th>NO.</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> <tr> <td>0</td> <td>8/11/17</td> <td>ISSUE FOR RECORD</td> </tr> <tr> <td>1</td> <td>8/14/17</td> <td>ISSUE FOR RECORD</td> </tr> </table> | NO. | DATE | DESCRIPTION | 0 | 8/11/17 | ISSUE FOR RECORD | 1 | 8/14/17 |
| MARK   | QTY.   | DESCRIPTION                                | MARK             | QTY.        | DESCRIPTION |      |             |   |      |  |   |   |   |   |      |  |   |   |   |  |     |      |             |   |         |                  |   |         |
| 4  | 356'   | 8" O.D. x 0.322" W.T., X52 API-5L PSL2 HFV | -                | -           | -           |      |             |   |      |  |   |   |   |   |      |  |   |   |   |  |     |      |             |   |         |                  |   |         |
| 5  | 165'   | 8" O.D. x 0.500" W.T., X52 API-5L PSL2 HFV | -                | -           | -           |      |             |   |      |  |   |   |   |   |      |  |   |   |   |  |     |      |             |   |         |                  |   |         |
| NO.  | DATE   | DESCRIPTION                                |                  |             |             |      |             |   |      |  |   |   |   |   |      |  |   |   |   |  |     |      |             |   |         |                  |   |         |
| 0  | 8/11/17  | ISSUE FOR RECORD                           |                  |             |             |      |             |   |      |  |   |   |   |   |      |  |   |   |   |  |     |      |             |   |         |                  |   |         |
| 1  | 8/14/17  | ISSUE FOR RECORD                           |                  |             |             |      |             |   |      |  |   |   |   |   |      |  |   |   |   |  |     |      |             |   |         |                  |   |         |

| CODE         | Slope Station | DESCRIPTION   |
|--------------|---------------|---|
| VALVE        | 0+00          | 8 IN. 600 CLASS BALL VALVE (SERIAL# 0 / MANUFACTURER: BALON)  |
| FLANGE       | 0+01          | 8 O.D. FLANGE, HT# 0 (0' COV.)  |
| WELD         | 0+02          | WELD - XRAY#NCR4 / JT AHEAD FLANGE, 8 O.D. x 0.322 W.T., X52, HFW API-5L PSL2 FBE (-5.1' COV.) RP:BLH HP:BLH FP:BLH CP:BLH            |
| BEND         | 0+05          | 90° INDUCTION BEND (OB) 8 O.D. x 0.322 W.T., X52, API-5L PSL2, HFW, PAINTED, (0' COV.)  |
| BORE_WALL    | 0+11          | BORE ENTRY POINT (ROAD)   |
| TEST_STATION | 0+11          | Test Station  |
| WELD         | 0+11          | WELD - XRAY#NCR / JT AHEAD 90 BEND, 8 O.D. x 0.322 W.T., X52, HFW API-5L PSL2 FBE (0.6' COV.) RP:BLH HP:BLH FP:BLH CP:BLH             |
| WELD         | 0+18          | WELD - XRAY#NCR5 / JT AHEAD 0, 8 O.D. x 0.322 W.T., X52, HFW API-5L PSL2 FBE (7.7' COV.) RP:AKH HP:AKH FP:AKH CP:AKH                  |
| BEND         | 0+23          | 90° INDUCTION BEND (SAG) 8 O.D. x 0.322 W.T., X52, API-5L PSL2, HFW, FBE, (0' COV.)   |
| CAD_WELD     | 0+26          | CAD WELD (# OF WIRES: 1)  |
| CAD_WELD     | 0+29          | CAD WELD (# OF WIRES: 1)  |
| WELD         | 0+33          | WELD - XRAY#NCR6 / JT AHEAD B8, 8 O.D. x 0.5 W.T., X52, HFW API-5L PSL2 ARO (12' COV.) RP:AKH HP:AKH FP:AKH CP:AKH                    |
| WELD         | 0+34          | WELD - XRAY#CT7 / JT AHEAD B4, 8 O.D. x 0.5 W.T., X52, HFW API-5L PSL2 ARO (12' COV.) RP:AKH HP:AKH FP:AKH CP:AKH                     |
| BEND         | 0+34          | 5° INDUCTION BEND (SB LEFT) 8 O.D. x 0.322 W.T., X52, API-5L PSL2, HFW, FBE, (0' COV.)  |
| WELD         | 0+69          | WELD - XRAY#CB1 / JT AHEAD 22, 8 O.D. x 0.5 W.T., X52, HFW API-5L PSL2 ARO (17.3' COV.) RP:0 HP:0 FP:0 CP:0                           |
| WELD         | 1+10          | WELD - XRAY#CB2 / JT AHEAD 21, 8 O.D. x 0.5 W.T., X52, HFW API-5L PSL2 ARO (29.9' COV.) RP:0 HP:0 FP:0 CP:0                           |
| WELD         | 1+51          | WELD - XRAY#CB3 / JT AHEAD 20, 8 O.D. x 0.5 W.T., X52, HFW API-5L PSL2 ARO (30' COV.) RP:0 HP:0 FP:0 CP:0                             |
| WELD         | 1+92          | WELD - XRAY#CB4 / JT AHEAD 37, 8 O.D. x 0.5 W.T., X52, HFW API-5L PSL2 ARO (20.8' COV.) RP:0 HP:0 FP:0 CP:0                           |
| BORE_WALL    | 2+31          | BORE EXIT POINT (ROAD)  |
| WELD         | 2+33          | WELD - XRAY#CT1 / JT AHEAD B11, 8 O.D. x 0.322 W.T., X52, HFW API-5L PSL2 FBE (9.8' COV.) RP:BLH HP:BLH FP:BLH CP:BLH                 |
| BEND         | 2+45          | 45° INDUCTION BEND (SB RIGHT) 8 O.D. x 0.322 W.T., X52, API-5L PSL2, HFW, FBE, (9.8' COV.)  |
| WELD         | 2+47          | WELD - XRAY#CT2 / JT AHEAD B12, 8 O.D. x 0.322 W.T., X52, HFW API-5L PSL2 FBE (9.8' COV.) RP:BLH HP:BLH FP:BLH CP:BLH                 |
| BEND         | 2+49          | 45° INDUCTION BEND (SB LEFT) 8 O.D. x 0.322 W.T., X52, API-5L PSL2, HFW, FBE, (9.8' COV.)   |
| WELD         | 2+52          | WELD - XRAY#CT3 / JT AHEAD 160, 8 O.D. x 0.322 W.T., X52, HFW API-5L PSL2 FBE (9.6' COV.) RP:BLH RJG HP:BLH RJG FP:BLH RJG CP:BLH RJG |
| WELD         | 3+02          | WELD - XRAY#CT4 / JT AHEAD 125, 8 O.D. x 0.322 W.T., X52, HFW API-5L PSL2 FBE (8.7' COV.) RP:BLH RJG HP:BLH RJG FP:BLH RJG CP:BLH RJG |
| WELD         | 3+52          | WELD - XRAY#C1 / JT AHEAD 123, 8 O.D. x 0.322 W.T., X52, HFW API-5L PSL2 FBE (7.5' COV.) RP:RAP TAW HP:RAP TAW FP:RAP TAW CP:RAP TAW  |
| WELD         | 4+02          | WELD - XRAY#C2 / JT AHEAD 149, 8 O.D. x 0.322 W.T., X52, HFW API-5L PSL2 FBE (8.3' COV.) RP:RAP TAW HP:RAP TAW FP:RAP TAW CP:RAP TAW  |
| WELD         | 4+52          | WELD - XRAY#C3 / JT AHEAD 137, 8 O.D. x 0.322 W.T., X52, HFW API-5L PSL2 FBE (5.7' COV.) RP:RAP TAW HP:RAP TAW FP:RAP TAW CP:RAP TAW  |
| WELD         | 5+02          | WELD - XRAY#CT5 / JT AHEAD 159, 8 O.D. x 0.322 W.T., X52, HFW API-5L PSL2 FBE (6.5' COV.) RP:RJG BLH HP:RJG BLH FP:RJG BLH CP:RJG BLH |
| WELD         | 5+10          | WELD - XRAY#CT6 / JT AHEAD B6, 8 O.D. x 0.5 W.T., X52, HFW API-5L PSL2 ARO (6.7' COV.) RP:RJG BLH HP:RJG BLH FP:RJG BLH CP:RJG BLH    |
| BEND         | 5+15          | 90° INDUCTION BEND (SB RIGHT) 8 O.D. x 0.322 W.T., X52, API-5L PSL2, HFW, FBE, (5.1' COV.)  |
| WELD         | 5+20          | WELD - XRAY#CT8 / JT AHEAD 0, 8 O.D. x 0.322 W.T., X52, HFW API-5L PSL2 FBE (5.3' COV.) RP:RJG BLH HP:RJG BLH FP:RJG BLH CP:RJG BLH   |

## COLT DATA SHEET 1 OF 1



LW Survey Co.  
12345 W. Alameda Pkwy, Suite 205  
Lakewood, CO 80228

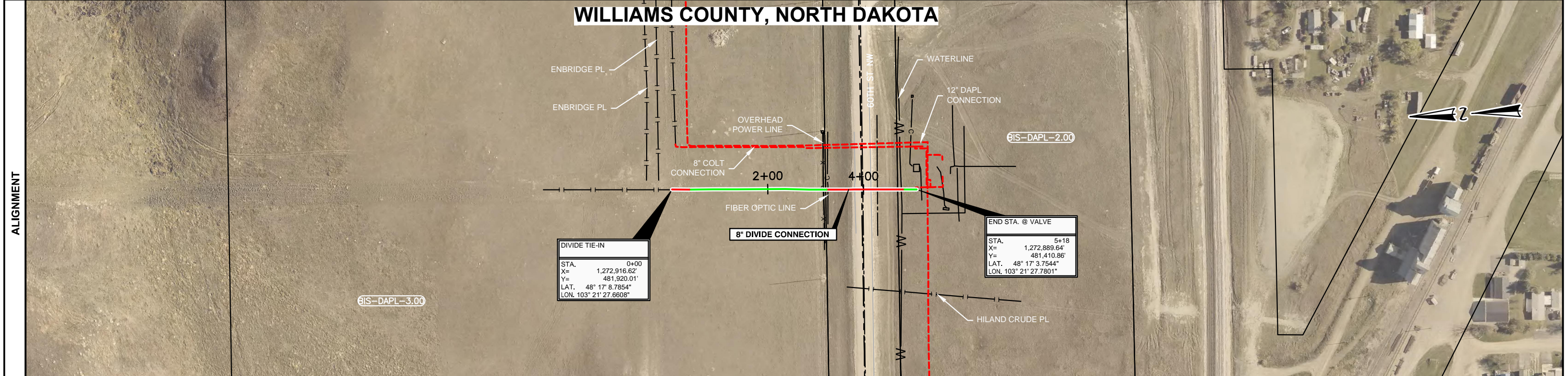


999 18th Street, Suite 3400S,  
Denver, CO 80202

DATE: 8/15/2017 4:51 PM BY: Anshu Boina FILE NAME: R:\Lakewood\51667 - DAPI Connection Pipeline\Drawings\Alignment Sheets\IFRecord\51667-REC-COOL-COOL DATA SHEETS.dwg

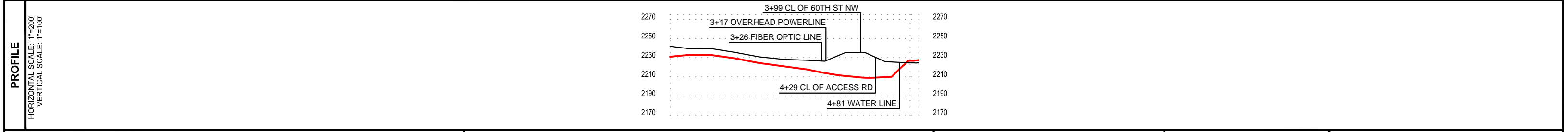
| OWNERSHIP  |      | BIS-DAPL-3.00<br>STATE OF NORTH DAKOTA | 60TH STREET N.W. | BIS-DAPL-2.00<br>NOELLE SISTERS PARTNERSHIP |      |
|------------|------|--|------------------|---|------|
| STATIONING | 0+00 | 19.41 RODS                             | 3+20             | 9.09 RODS                                   | 4+70 |
|            |      |  |                  | 2.40 RODS                                   | 5+10 |

| STATIONING | 0+00 | 0+36 P.I. < 1'24.07" L.I. | 0+36 END 0.500" W.T. BEGIN .0.322" W.T. | 2+37 P.I. < 1'47.44" R.T. | 2+87 P.I. < 1'19.40" L.I. | 3+16 FENCE | 3+17 OVERHEAD POWERLINE | 3+23 END 0.322" W.T. BEGIN .0.500" W.T. | 3+26 FIBER OPTIC LINE | 3+82 EDGE OF 60TH ST NW | 3+99 CL OF 60TH ST NW | 4+16 EDGE OF 60TH ST NW | 4+29 CL OF ACCESS RD | 4+81 WATER LINE | 4+88 END 0.500" W.T. BEGIN .0.375" W.T. | 4+92 90° INDUCTION BEND (SAG) | 4+88 TEST STATION, L.T. 2.8 | 5+00 90° INDUCTION BEND (OB) | 5+05 8" BALL VALVE | 5+07 END 0.375" W.T. BEGIN .0.322" W.T. | 5+16 TEE ( 8.625" O.D. X 0.322" W.T.) | 5+18 8" BALL VALVE | 5+18 END STA. |
|------------|------|---------------------------|---|---------------------------|---------------------------|------------|-------------------------|---|-----------------------|-------------------------|-----------------------|-------------------------|----------------------|-----------------|---|-------------------------------|-----------------------------|------------------------------|--------------------|---|---------------------------------------|--------------------|---------------|
|------------|------|---------------------------|---|---------------------------|---------------------------|------------|-------------------------|---|-----------------------|-------------------------|-----------------------|-------------------------|----------------------|-----------------|---|-------------------------------|-----------------------------|------------------------------|--------------------|---|---------------------------------------|--------------------|---------------|



| MATERIALS |      | ③    | ②    | ③    | ②    | ①    |
|-----------|------|------|------|------|------|------|
|           | 0+00 | 0+36 | 0+36 | 3+23 | 4+88 | 5+18 |
|           |      | 36'  | 287' | 165' | 19'  | 12'  |

| COVER | NEGATIVE VALUES INDICATE ABOVE GRADE | 0+00 | 0+36 | 0+36 | 1+36 | 1+36 | 2+37 | 2+87 | 3+23  | 3+66 | 4+08 | 4+49 | 4+88 | 4+88 | 5+03 | 5+07 | 5+18 |
|-------|--------------------------------------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|
|       |                                      | 11'  | 7'   | 6.5' | 6'   | 6.5' | 7'   | 9.5' | 12.5' | 24'  | 26'  | 16'  | 5'   | 5.5' | 1'   | 2'   | 1.5' |



| MATERIAL SUMMARY |      |  |      | REVISIONS |             |     |         |                  |
|------------------|------|--|------|-----------|-------------|-----|---------|------------------|
| MARK             | QTY. | DESCRIPTION  | MARK | QTY.      | DESCRIPTION | NO. | DATE    | DESCRIPTION      |
| 1                | 301' | 8" O.D. x 0.322" W.T., X52, ASTM A106, SMLS (WITH FBE COATING)   | -    | -         | -           | 0   | 8/11/17 | ISSUE FOR RECORD |
| 2                | 8'   | 8" O.D. x 0.322" W.T., X52, API-5L PSL 2, HFW (WITH FBE COATING) | -    | -         | -           | 1   | 8/14/17 | ISSUE FOR RECORD |
| 3                | 4'   | 8" O.D. x 0.500" W.T., X52, API-5L PSL 2, HFW (WITH ARO COATING) | -    | -         | -           |     |         |                  |
| -                | -    | -  | -    | -         | -           |     |         |                  |
| -                | -    | -  | -    | -         | -           |     |         |                  |
| -                | -    | -  | -    | -         | -           |     |         |                  |

LWS Survey Co.  
12345 W. Alameda Pkwy,  
Suite 205  
Lakewood, CO 80228

**RECORD ALIGNMENT SHEET**  
8" DIVIDE CONNECTION PIPELINE  
WILLIAMS COUNTY, NORTH DAKOTA

**SUMMIT WIDSTREAM** 999 18th Street, Suite 3400S,  
Denver, CO 80202

DRAWN BY: PHG | CHECKED BY: APB | APPROVED BY: APB

JOB NO. 51667 | CONTACT: | DATE: 09/01/17 | SHEET NO. 1 | REV 1

| CODE         | Slope Station | DESCRIPTION  |
|--------------|---------------|--|
| WELD         | 0+00          | WELD - XRAY#DT5 / JT AHEAD 0, 8 O.D. x 0.5 W.T., X52, HFW API-5L PSL2 ARO (10.9' COV.) RP:BLH RJG HP:BLH RJG FP:BLH RJG CP:BLH RJG   |
| WELD         | 0+36          | WELD - XRAY#DT3 / JT AHEAD 158, 8 O.D. x 0.322 W.T., X52, HFW API-5L PSL2 FBE (6.9' COV.) RP:BLH HP:BLH FP:BLH CP:BLH                |
| WELD         | 0+86          | WELD - XRAY#D3 / JT AHEAD 135, 8 O.D. x 0.322 W.T., X52, HFW API-5L PSL2 FBE (6.7' COV.) RP:RAP TAW HP:RAP TAW FP:RAP TAW CP:RAP TAW |
| WELD         | 1+36          | WELD - XRAY#D2 / JT AHEAD 150, 8 O.D. x 0.322 W.T., X52, HFW API-5L PSL2 FBE (6.2' COV.) RP:RAP TAW HP:RAP TAW FP:RAP TAW CP:RAP TAW |
| WELD         | 1+86          | WELD - XRAY#D1 / JT AHEAD 122, 8 O.D. x 0.322 W.T., X52, HFW API-5L PSL2 FBE (6.5' COV.) RP:RAP TAW HP:RAP TAW FP:RAP TAW CP:RAP TAW |
| WELD         | 2+37          | WELD - XRAY#DT2 / JT AHEAD 122, 8 O.D. x 0.322 W.T., X52, HFW API-5L PSL2 FBE (7.2' COV.) RP:RJG HP:RJG FP:RJG CP:RJG                |
| WELD         | 2+87          | WELD - XRAY#DT1 / JT AHEAD 127, 8 O.D. x 0.322 W.T., X52, HFW API-5L PSL2 FBE (9.7' COV.) RP:RJG HP:RJG FP:RJG CP:RJG                |
| BORE_WALL    | 2+88          | BORE EXIT POINT (ROAD)   |
| WELD         | 3+23          | WELD - XRAY#DB4 / JT AHEAD 24, 8 O.D. x 0.5 W.T., X52, HFW API-5L PSL2 ARO (12.3' COV.) RP:0 HP:0 FP:0 CP:0                          |
| WELD         | 3+66          | WELD - XRAY#DB3 / JT AHEAD 25, 8 O.D. x 0.5 W.T., X52, HFW API-5L PSL2 ARO (24.2' COV.) RP:0 HP:0 FP:0 CP:0                          |
| WELD         | 4+08          | WELD - XRAY#DB2 / JT AHEAD 26, 8 O.D. x 0.5 W.T., X52, HFW API-5L PSL2 ARO (26.1' COV.) RP:0 HP:0 FP:0 CP:0                          |
| WELD         | 4+49          | WELD - XRAY#DB1 / JT AHEAD 27, 8 O.D. x 0.5 W.T., X52, HFW API-5L PSL2 ARO (16.1' COV.) RP:0 HP:0 FP:0 CP:0                          |
| WELD         | 4+88          | WELD - XRAY#0 / JT AHEAD B, 8 O.D. x 0.322 W.T., X52, HFW API-5L PSL2 FBE (5.1' COV.) RP:DAR DLR HP:DAR DLR FP:DAR DLR CP:DAR DLR    |
| CAD_WELD     | 4+89          | CAD WELD (# OF WIRES: 1)   |
| CAD_WELD     | 4+91          | CAD WELD (# OF WIRES: 1)   |
| BEND         | 4+92          | 90° INDUCTION BEND (SAG) 8 O.D. x 0.375 W.T., X52, API-5L PSL2, HFW, FBE, (0' COV.)  |
| WELD         | 4+93          | WELD - XRAY#NDR5 / JT AHEAD 0, 8 O.D. x 0.322 W.T., X52, HFW API-5L PSL2 FBE (5.3' COV.) RP:AKH HP:AKH FP:AKH CP:AKH                 |
| WELD         | 4+97          | WELD - XRAY#NDR3 / JT AHEAD 0, 8 O.D. x 0.322 W.T., X52, HFW API-5L PSL2 FBE (1.2' COV.) RP:AKH HP:AKH FP:AKH CP:AKH                 |
| TEST_STATION | 4+98          | Test Station   |
| BEND         | 5+00          | 90° INDUCTION BEND (OB) 8 O.D. x 0.375 W.T., X52, API-5L PSL2, HFW, FBE, (0' COV.)   |
| BORE_WALL    | 5+02          | BORE ENTRY POINT (ROAD)  |
| WELD         | 5+03          | WELD - XRAY#NDR4 / JT AHEAD 0, 8 O.D. x 0.322 W.T., X52, HFW API-5L PSL2 FBE (1.8' COV.) RP:AKH HP:AKH FP:AKH CP:AKH                 |
| FLANGE       | 5+04          | 8 O.D. FLANGE, HT# 0 (0' COV.)   |
| VALVE        | 5+05          | 8 IN. 600 CLASS BALL VALVE (SERIAL# 0 / MANUFACTURER: BALON)   |
| FLANGE       | 5+06          | 8 O.D. FLANGE, HT# 0 (0' COV.)   |
| WELD         | 5+07          | WELD - XRAY#DF5 / JT AHEAD 0, 8 O.D. x 0.322 W.T., X52, SMLS ASTM A106 FBE (1.4' COV.) RP:TAW HP:TAW FP:TAW CP:TAW                   |
| FLANGE       | 5+11          | 8 O.D. FLANGE, HT# 0 (0' COV.)   |
| WELD         | 5+14          | WELD - XRAY#DF7 / JT AHEAD 0, 8 O.D. x 0.322 W.T., X52, SMLS ASTM A106 FBE (1.4' COV.) RP:TAW HP:TAW FP:TAW CP:TAW                   |
| FLANGE       | 5+15          | 8 O.D. FLANGE, HT# 0 (0' COV.)   |
| TEE          | 5+16          | 8 O.D. x 8 W.T. / 8 O.D. x 0 W.T., GR. X52, SPEC. API-5L PSL2HT# 0 (0' COV.)   |
| VALVE        | 5+18          | 8 IN. 600 CLASS BALL VALVE (SERIAL# 0 / MANUFACTURER: BALON)   |
| LAUNCHER     | 5+33          | 8 O.D. LAUNCHER (0' COV.)  |

## DIVIDE DATA SHEET 1 OF 1



LW Survey Co.  
12345 W. Alameda Pkwy, Suite 205  
Lakewood, CO 80228



999 18th Street, Suite 3400S,  
Denver, CO 80202

DATE: 8/15/2017 4:49 PM BY: Ansh Boina FILE NAME: R:\Lakewood\51667 - DAPI Connection Pipeline\Drawings\Alignment Sheets\IFRecord\51667-REC-CV\DE-DATA SHEETS.dwg