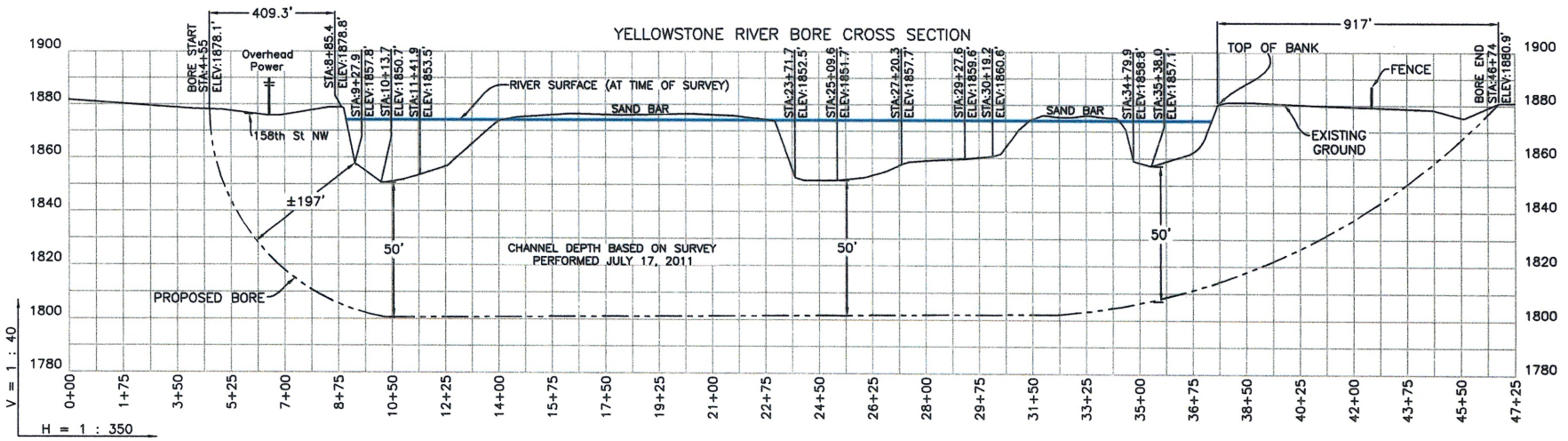
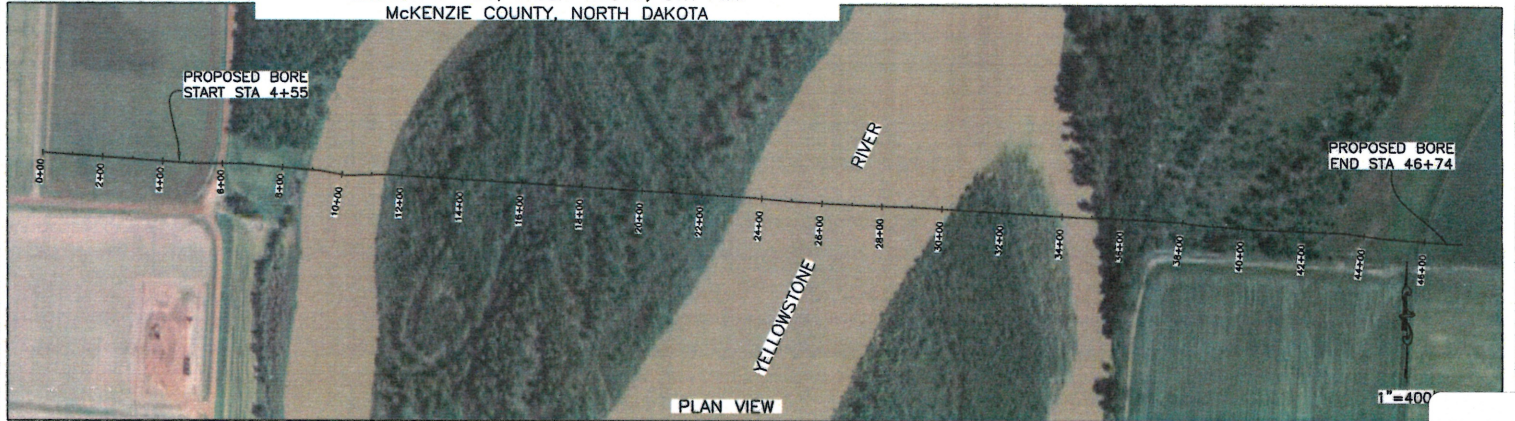
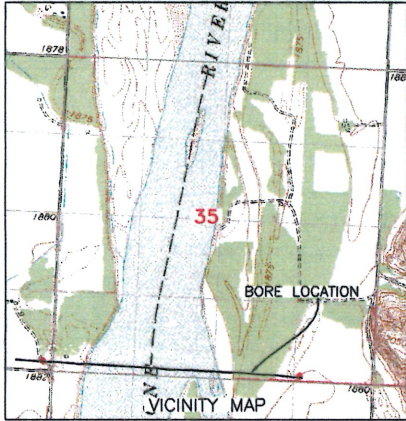


PROPOSED YELLOWSTONE RIVER PIPELINE CROSSING  
SECTION 34-35, T152N-R104W, 5TH P.M.  
MCKENZIE COUNTY, NORTH DAKOTA



NOTE:  
Stationing may vary after final staking

**WESTERN LAND SERVICES**  
Sheridan, WY 82801 (307)673-1817

HILAND OPERATING, LLC  
YELLOWSTONE RIVER BO...  
FROM SW¼SW¼ SECT 35 TO  
SE¼SE¼ SECT 34, T152N R104W,  
MCKENZIE COUNTY, N.D.

|  |  |
|--|--|
| <b>Braun Project BM-11-02903</b><br><b>Soil Borings</b><br><b>Yellowstone River Crossing</b><br><b>T 151N R 104W S 3</b><br><b>Near Fairview, MT</b> | <b>BORING: ST-1</b><br><b>LOCATION: West Side.</b> |
|--|--|

|                         |                                       |                      |                       |
|-------------------------|---------------------------------------|----------------------|-----------------------|
| <b>DRILLER:</b> K. Haag | <b>METHOD:</b> 3 1/4" HSA, Autohammer | <b>DATE:</b> 6/29/11 | <b>SCALE:</b> 1" = 4' |
|-------------------------|---------------------------------------|----------------------|-----------------------|

(See Descriptive Terminology sheet for explanation of abbreviations)

| Depth feet | Symbol | Description of Materials<br>(Soil- ASTM D2488 or D2487, Rock-USACE EM1110-1-2908)                   | BPF | WL | Tests or Notes |
|------------|--------|---|-----|----|----------------|
| 0.0        |        |   |     |    |                |
| 2.0        | CL     | LEAN CLAY with SAND, brown, moist, rather stiff to rather soft.<br>(Alluvium)                       | 9   |    |                |
| 4.0        | ML     | SANDY SILT, with a few clay lenses, brown, wet, rather soft.<br>(Alluvium)                          | 5   | ▽  |                |
| 11.5       | SM     | SILTY SAND, fine-grained, brown, wet, very loose to loose.<br>(Alluvium)                            | 5   |    |                |
| 14.0       | SP-SM  | POORLY GRADED SAND with SILT, fine-grained, brown, wet, loose.<br>(Alluvium)                        | 10  |    |                |
|            | SP     | POORLY GRADED SAND, fine-grained, brown to gray, waterbearing, loose to medium dense.<br>(Alluvium) | 8   |    |                |
|            |        |   | 7   |    |                |
|            |        |   | 16  |    |                |
|            |        |   | 23  |    |                |

LOG OF BORING N:\GINT\PROJECTS\BISMARCK\2011\02903.GPJ BRAUN\_V8\_CURRENT.GDT 7/6/11 13:09

(See Descriptive Terminology sheet for explanation of abbreviations)

LOG OF BORING N:\GINT\PROJECTS\BISMARCK\2011\02903.GPJ BRAUN\_V8\_CURRENT.GDT 7/6/11 13:09

| <b>Braun Project BM-11-02903</b><br><b>Soil Borings</b><br><b>Yellowstone River Crossing</b><br><b>T 151N R 104W S 3</b><br><b>Near Fairview, MT</b> |        |  |     | <b>BORING: ST-1 (cont.)</b><br><b>LOCATION: West Side.</b> |                       |
|--|--------|--|-----|--|-----------------------|
| <b>DRILLER: K. Haag</b>  |        | <b>METHOD: 3 1/4" HSA, Autohammer</b>  |     | <b>DATE: 6/29/11</b>                                       | <b>SCALE: 1" = 4'</b> |
| Depth feet   | Symbol | Description of Materials<br>(Soil- ASTM D2488 or D2487, Rock-USACE EM1110-1-2908)                                      | BPF | WL   | Tests or Notes        |
| 32.0   |        | POORLY GRADED SAND, fine-grained, brown to gray, waterbearing, loose to medium dense.<br>(Alluvium) <i>(continued)</i> | 8   |  |                       |
| 38.0   | SM     | SILTY SAND, fine-grained, brown and gray, waterbearing, medium dense to dense.<br>(Alluvium)                           | 18  |  |                       |
| 51.0   |        | END OF BORING.<br><br>Water observed at a depth of 2 1/2 feet while drilling.<br><br>Boring then backfilled.           | 36  |  |                       |

|  |                                |               |   |  |
|--|--------------------------------|---------------|---|--|
| <b>Braun Project BM-11-02903</b><br>Soil Borings<br>Yellowstone River Crossing<br>T 151N R 104W S 3<br>Near Fairview, MT |                                |               | BORING: <b>ST-2</b><br>LOCATION: East Side. |  |
| DRILLER: K. Haag   | METHOD: 3 1/4" HSA, Autohammer | DATE: 6/30/11 | SCALE: 1" = 4'                              |  |

(See Descriptive Terminology sheet for explanation of abbreviations)

LOG OF BORING N:\GINT\PROJECTS\BISMARCK\2011\02903.GPJ BRAUN\_V8\_CURRENT.GDT 7/6/11 13:09

| Depth feet | Symbol | Description of Materials<br>(Soil- ASTM D2488 or D2487, Rock-USACE EM1110-1-2908)     | BPF                               | WL | Tests or Notes |
|------------|--------|---|-----------------------------------|----|----------------|
| 0.0        | CH     | FAT CLAY, brown, moist, soft to rather soft.<br>(Alluvium)                            | 4<br>6<br>10<br>10<br>9<br>8<br>8 |    |                |
| 18.0       | SM     | SILTY SAND, fine-grained, gray, waterbearing, very loose.<br>(Alluvium)               | 3                                 | ▽  |                |
| 23.0       | SP     | POORLY GRADED SAND, fine- to medium-grained, gray, waterbearing, loose.<br>(Alluvium) | 8<br>7                            |    |                |

LOG OF BORING N:\GINT\PROJECTS\BISMARCK\2011\02903.GPJ BRAUN\_V8\_CURRENT.GDT 7/6/11 13:09

| <b>Braun Project BM-11-02903</b><br>Soil Borings<br>Yellowstone River Crossing<br>T 151N R 104W S 3<br>Near Fairview, MT |        |   |     | BORING: <b>ST-2 (cont.)</b><br>LOCATION: East Side. |                |
|--|--------|---|-----|---|----------------|
| DRILLER: K. Haag   |        | METHOD: 3 1/4" HSA, Autohammer  |     | DATE: 6/30/11                                       | SCALE: 1" = 4' |
| Depth feet   | Symbol | Description of Materials<br>(Soil- ASTM D2488 or D2487, Rock-USACE EM1110-1-2908)                         | BPF | WL  | Tests or Notes |
| 32.0   |        |   |     |   |                |
| 33.0   | SM     | SILTY SAND, fine-grained, brown, waterbearing, loose to medium dense.<br><br>(Alluvium)                   |     |   |                |
|  |        |   | 9   |   |                |
|  |        |   | 15  |   |                |
| 45.5   | LI     | BULLION CREEK FORMATION, LIGNITE, black, moist, decomposed very soft.                                     |     |   |                |
|  |        |   | 45  |   |                |
| 51.0   |        | END OF BORING.<br><br>Water observed at a depth of 18 feet while drilling.<br><br>Boring then backfilled. |     |   |                |
|  |        |   | 44  |   |                |