# LAND

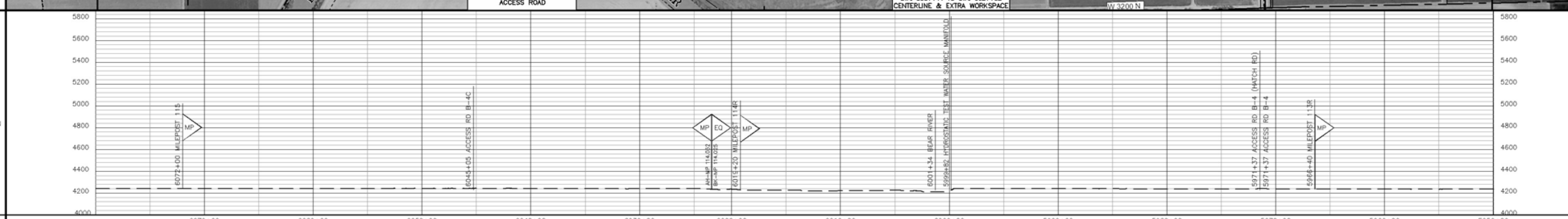
| LINE LIST | 2158 | 2157 | 2156.1 | 2156 | 2155 | 2154 | 2153.5 | 2152A | 2152.5 | 2152 | 2151.1 | 2151.5 | 2151 | 2150 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LAND PLAT NUMBER | | | | | | | | | | | | | | |
| PIPELINE STATION | 6080+00 – 6071+69 | 6071+69 – 6045+26 | 6045+26 – 6044+81 | 6044+81 – 6023+94 | 6023+94 – 6017+18 | 6017+18 – 6002+70 | 6002+70 – 5999+79 | 5999+79 – 5991+04 | 5991+04 – 5984+39 | 5984+39 – 5971+80 | 5971+80 – 5970+57 | 5970+57 – 5970+40 | 5970+40 – 5954+53 | 5954+53 – 5950+00 |
| HORIZONTAL DISTANCE | 831 FT | 2643 FT | 45 FT | 2087 FT | 523 FT | 1448 FT | 291 FT | 875 FT | 665 FT | 1259 FT | 123 FT | 17 FT | 1587 FT | 453 FT |

# PIPELINE STATIONING

- 6080+00 MATCHLINE
- 6074+44 P.I. < 19°03'18" RT.
- 6072+00 MILEPOST 115
- 6071+83 DRAINAGE
- 6071+69 RANGE LINE
- 6045+32 TEST LEAD TYPE 3
- 6045+26 PROPERTY LINE
- 6045+25 IRRIGATION DITCH/CANAL
- 6045+20 WATERLINE
- 6045+18 COMMUNICATION LINE
- 6045+15 O/H ELECTRIC
- 6045+05 ACCESS RD B-4C
- 6044+81 PROPERTY LINE
- 6041+92 DRAINAGE
- 6041+73 DRAINAGE
- 6035+65 O/H ELECTRIC
- 6032+13 ACCESS RD B-4C2
- 6024+29 ROAD
- 6024+14 TOP BANK
- 6024+11 DRAINAGE
- 6024+10 IRRIGATION DITCH/CANAL
- 6024+07 TOP BANK
- 6023+94 FENCE & PROPERTY LINE
- 6021+92 ahd < 0.11'46" LT
- STATION EQUATION -152'
- 6020+40 bk= END REALIGNMENT
- 6019+20 MILEPOST 114R
- 6017+19 FENCE & TEST LEAD TYPE 1
- 6017+18 SECTION LINE
- 6010+97 DRILL ENTRY POINT
- **6009+97 END 115'W/BGN 195'W TEMP WORK SPACE**
- 6002+70 PROPERTY LINE
- **6002+31 TOP BANK & END 75'W/BGN 115'W TEMP WORK SPACE**
- 6001+62 TOE BANK
- 6000+97 BEAR RIVER, SEE DWG 300A-48A
- 6000+31 TOE BANK
- 5999+82 HYDROSTATIC TEST WATER SOURCE MANIFOLD
- 5999+79 PROPERTY LINE
- **5999+60 TOP BANK & END 115'W/BGN 75'W TEMP WORK SPACE**
- 5999+48 ACCESS RD B-4B
- 5999+37 CROP LINE
- **5995+40 END 195'W/BGN 115'W TEMP WORK SPACE**
- 5994+40 DRILL EXIT POINT
- 5991+07 CROP LINE
- 5991+04 TOE BANK & PROPERTY LINE
- 5991+02 TOP BANK
- 5990+99 TOE BANK
- 5990+98 IRRIGATION DITCH/CANAL
- 5990+96 TOE BANK
- 5990+94 TOP BANK
- 5990+91 TOE BANK
- 5990+89 CROP LINE
- 5984+40 CROP LINE
- 5984+39 TOE BANK & PROPERTY LINE
- 5984+38 TOP BANK
- 5984+34 TOE BANK
- 5984+33 IRRIGATION DITCH/CANAL
- 5984+32 TOE BANK
- 5984+29 TOP BANK
- 5984+25 TOE BANK
- 5972+01 CROP LINE
- 5971+84 TEST LEAD TYPE 1
- 5971+80 PROPERTY LINE
- 5971+68 O/H ELECTRIC
- 5971+61 COMMUNICATIONS LINE
- 5971+59 WATERLINE
- 5971+57 COMMUNICATIONS LINE
- 5971+37 ACCESS RD B-4(HATCH RD)
- 5971+25 SECTION LINE
- 5971+20 WATERLINE
- 5971+13 HAMMOND WEST BRANCH CANAL, NO DWG
- 5970+57 PROPERTY LINE
- 5970+40 PROPERTY LINE
- 5966+40 MILEPOST 113R
- 5961+11 P.I. < 0°22'42" RT. & BGN REALIGNMENT
- 5955+06 SANITARY SEWER LINE
- 5954+99 ROAD
- 5954+94 WATERLINE
- 5954+85 TOE BANK
- 5954+79 TOP BANK
- 5954+76 IRRIGATION DITCH/CANAL
- 5954+69 ROAD
- 5954+68 TOP BANK
- 5954+63 DRAINAGE
- 5954+63 IRRIGATION DITCH/CANAL
- 5954+59 TOP BANK
- 5954+53 FENCE & PROPERTY LINE
- 5954+54 TOE BANK
- 5950+00 MATCHLINE

# ALIGNMENT STRIP MAP

# PROFILE




# MATERIAL

| | 6080+00 – 6045+45 | 6045+45 – 6044+65 | 6044+65 – 6011+77 | 6011+77 – 6010+97 | 6010+97 – 5994+40 | 5994+40 – 5950+00 | | |
|---|---|---|---|---|---|---|---|---|
| PIPE CODE (SEE TABLE) | 3455' (P1) | 80' (P3) | 3136' (P1) | 80' (P2) | 1657' (P4) | 4440' (P3) | | |
| PIPELINE | | ACCESS RD B-4C SEE DWG 300Z-10 | 6021+92 ahd STA. EQ -152' 6020+40 bk= | | BEAR RIVER SEE DWG 300A-48A | ACCESS RD B-4 & HAMMOND CANAL SEE DWGS 300Z-10&60 | | |

| | 6080+00 – 6045+45 | 6045+45 – 6044+65 | 6044+65 – 6010+97 | 6010+97 – 5994+40 | 5994+40 – 5971+97 | 5971+97 – 5970+77 | 5970+77 – 5950+00 |
|---|---|---|---|---|---|---|---|
| PIPESAKS | | | | | | | |
| COATING CODE (SEE TABLE) | 3455' (C1) | 80' (C2) | 3216' (C1) | 1657' (C2) | 2243' (C1) | 120' (C2) | 2077' (C1) |
| DESIGN FACTOR | .80 | .60 | .80 | .50 | | .60 | |

CLASS LOCATION: CLASS I

DESIGN PRESSURE: 1440

## OWNERSHIP

| LL NO. | OWNERSHIP |
|---|---|
| 2150 | CALVIN T. GRANT, ETAL |
| 2151 | MERLIN & JACQUELINE REEDER TRUST |
| 2151.5 | BEAR RIVER CANAL COMPANY |
| 2151.1 | BOX ELDER COUNTY UTAH |
| 2152 | MTR RANCH LLC |
| 2152.5 | GRANT L. THOMPSON |
| 2152A | MTR RANCH LLC |
| 2152.1 | BOX ELDER COUNTY UTAH |
| 2153.5 | STATE OF UTAH DIVISION OF FORESTRY, FIRE AND STATE LANDS |
| 2154 | PETER J. CLARKSON, ETAL |
| 2155 | REVA J. NELSON TRUST |
| 2156 | BINGHAM DAIRY |
| 2156.1 | BOX ELDER COUNTY UTAH |
| 2157 | KR HOLMES DAIRY, INC |
| 2158 | MARION ORCHARD COMPANY |

## MATERIAL SUMMARY

| ITEM | DESCRIPTION | QTY |
|---|---|---|
| P1 | PIPE,42.00 OD X 0.541 IN WT, DSAW,API 5L GR X-70 | 6595 |
| P2 | PIPE,42.00 OD X 0.600 IN WT, DSAW,API 5L GR X-70 | 80 |
| P3 | PIPE,42.00 OD X 0.721 IN WT, DSAW,API 5L GR X-70 | 4520 |
| P4 | PIPE,42.00 OD X 0.865 IN WT, DSAW,API 5L GR X-70 | 1653 |
| C1 | PIPE COATING TYPE 1 | 10995 |
| C2 | PIPE COATING TYPE 2 | 1853 |

TBD – TO BE DETERMINED

## FIELD NOTES

TEST: SEE TEST FORM

RADIOGRAPH: PER EP CONSTRUCTION STANDARDS

## COATING DEFINITIONS

TYPE 1 – PLANT APPLIED COATING
EXTERIOR: 14-16 MIL FUSION BONDED EPOXY (FBE).
INTERIOR: EFFICIENCY COATED PER IC-100.

TYPE 2 – PLANT APPLIED COATING: ABRASION RESISTANT SYSTEM 40 14-16 MIL MIN CORROSION & 40 MIL ARO

TYPE 3 – PLANT APPLIED COATING W/CONTRACTOR APPLIED CONCRETE: 14 MIL FUSION BONDED EPOXY (FBE) WITH 7" CONCRETE

TYPE 4 – FITTING/BEND COATING: SPECIFICATION UC 271.

TYPE 5 – SHOP FABRICATION: PLANT OR FIELD APPLIED PER EP CONSTRUCTION STANDARDS

## MATERIAL DEFINITIONS

PIPESAK – PIPESAK WEIGHTS: SET-ON, 12500#, SPACING 12.5' ON CENTER

SCREW ANCHOR – SCREW ANCHOR SYSTEM: ANCHORPIPE #AP320-42, SPACING 80' ON CENTER

## REFERENCE DRAWINGS

| | |
|---|---|
| TYP-G-P-1 | TYPICAL MAPPING SYMBOLS |
| TYP-G-P-2 | TYPICAL PIPELINE CROSSINGS |
| TYP-P-P-123 | TYPICAL DETAILS CATHODIC PROTECTION |
| TYP-P-P-124 | TYPICAL DETAILS CATHODIC PROTECTION |
| 300Z-9 | TYPICAL OPEN CUT ROAD CROSSING |
| 300Z-10 | TYPICAL BORED ROAD CROSSING |
| 300Z-60 | TYPICAL CANAL CROSSING |
| 300A-48A | PLAN/PROFILE – BEAR RIVER HDD |

## ENVIRONMENTAL NOTES

1. EPHEMERAL STREAM – IF WATER IS PRESENT AT THE TIME OF CONSTRUCTION, THE TEMPORARY CONSTRUCTION WORKSPACE WILL BE LIMITED TO 115' AND THE EXTRA WORKSPACE WILL BE SET-BACK 50' FROM WATER'S EDGE.

## GENERAL NOTES

1. THIS PIPELINE WILL BE INSTALLED UNDER TITLE 49 PART 192 CFR.
2. EL PASO COATING SPECIFICATION:
   A. PRODUCTION GIRTH WELDS – UC 235
   B. TIE-INS AND SHORT SECTIONS OF PIPE – UC 271
   C. ARO FIELD JOINTS – USE POWERCRETE-J PER SPEC UC 271
   D. ABOVE GROUND PIPING, VESSELS AND STRUCTURES – AC 135
3. ALL CONSTRUCTION R/W IS 115' WIDE EXCEPT AS NOTED.
4. EXTRA WORKSPACE IS APPLIED 40' TO EACH SIDE OF THE CONSTRUCTION WORKSPACE (195' WIDE TOTAL WORKSPACE) EXCEPT AS NOTED.
5. THE ENVIRONMENTAL INSPECTOR CAN APPROVE SHIFTING OF THE WORKSPACE WITHIN THE STUDY CORRIDOR AS APPROPRIATE.
6. THE CONSTRUCTION R/W IS LIMITED TO 75' WIDE IN WETLANDS EXCEPT AS NOTED.
7. IF NECESSARY, CONTRACTOR TO INSTALL SILT FENCE ALONG AREAS WERE WORKSPACE ENCROACHES ON STREAM BUFFER.

## LEGEND

- INTERSTATE HIGHWAY
- UNITED STATES HIGHWAY
- STATE HIGHWAY
- COUNTY HIGHWAY OR ROAD
- RAILROAD TRACKS
- ACCESS ROAD
- CREEK, RIVER, STREAM
- FOREIGN PIPELINE
- POWER LINE
- FIBER OPTICS LINE
- MAIN LINE VALVE (MLV)
- MAIN LINE VALVE DESIGNATION
- WELL
- ARCHAEOLOGICAL SITE
- ARCHAEOLOGICAL POINT
- WETLANDS AREA
- WETLANDS POINT
- STAGING AREAS

FOR LINE TYPES NOT SHOWN IN LEGEND, SEE EP STANDARD TYP-G-P-1.

## SCALE & PROJECTION

500 250 0 500 1000

SCALE: 1" = 500' HORIZONTAL
1" = 500' VERTICAL

PROJECTION: UTM, NAD83, ZONE 12, US FOOT

## REVISIONS

| NO. | DATE | BY | DESCRIPTION | PROJ. ID | APPR. |
|---|---|---|---|---|---|
| C | 3/18/10 | JDK | IMPLEMENTATION FILING | 128575 | JJJ |
| B | 7/10/09 | JDK | ISSUE FOR FERC FILING | 128575 | JJJ |
| A | 1/26/09 | JDK | ISSUE FOR FERC FILING | 128575 | JJJ |

RUBY PIPELINE LLC

ALIGNMENT SHEET
RUBY PIPELINE
300A-42 INCH

STA. 5950+00 TO STA. 6080+00

| | | | |
|---|---|---|---|
| Division: ROCKY MOUNTAIN | | Op. Area: ELKO | |
| State: UTAH | | Co./Par.: BOX ELDER | |
| Section: – | Township: 10N | Range: 2W/3W | |
| Drafter: JDK | Date: 08/27/08 | Project ID: 128575 | Type: CIVIL 3D |
| Chk'd: RJG | Date: 10/15/08 | Scale: 1" = 500' | |
| Appr: JJJ | Date: 12/03/08 | Filename: 0300-A-0041 | |

300A-48 — Sheet: 48 of 277 — Rev. 0

IMPLEMENTATION PLAN 05/24/2010

Jun 14, 2010 – 11:48AM