## LAND

| LINE LIST | 2277 | 2276 | 2275.1 | 2275 | 2274A | 2273 |
|---|---|---|---|---|---|---|
| LAND PLAT NUMBER | | | | | | |
| PIPELINE STATION | 10115+37 | 10069+15 | 10059+83 | 10059+65 | 9999+38 | 9985+35 / 9980+00 |
| HORIZONTAL DISTANCE | 4622 FT | 950 FT | | 6027 FT | 1403 FT | 535 FT |

## PIPELINE STATIONING

10115+37 MATCHLINE

10084+79 MILEPOST 191R

10073+50 P.I. < 0°10'59" RT.

10069+54 TOP BANK
10069+34 DRAINAGE
10069+15 RANGE LINE
10068+95 DRAINAGE
10068+71 TOP BANK

**10063+80 END 195'W/BGN 115'W TEMP WORK SPACE**
10063+16 DRAINAGE
10062+50 MLV 14
10061+87 P.I. < 22°15'56" RT; BGN REALIGNMENT

10059+83 ACCESS RD B-39(IMMIGRANT TRAIL RD)
10059+65 SECTION LINE

**10057+36 END 115'W/BGN 195'W TEMP WORK SPACE**
10057+12 DRAINAGE

10043+54 DRAINAGE

10042+30 DRAINAGE

10038+96 DRAINAGE

10032+00 MILEPOST 190
10031+32 DRAINAGE

10025+42 DRAINAGE

10023+13 DRAINAGE

10020+46 DRAINAGE

10018+40 P.I. < 17°44'54" RT.
**10018+26 END 195'W/BGN 115'W TEMP WORK SPACE**
10017+74 DRAINAGE

10009+94 ROAD
10009+48 P.I. < 12°17'28" LT.

10006+83 TEST LEAD TYPE 3

9999+45 P.I. < 6°53'52" RT.
9999+38 SECTION LINE
**9999+38 END 115'W/BGN 195'W TEMP WORK SPACE**

9998+12 DRAINAGE
9995+59 DRAINAGE
9995+28 TOP BANK
9995+22 DRAINAGE
9995+12 TOP BANK

9992+43 DRAINAGE

9991+07 DRAINAGE
9990+45 DRAINAGE

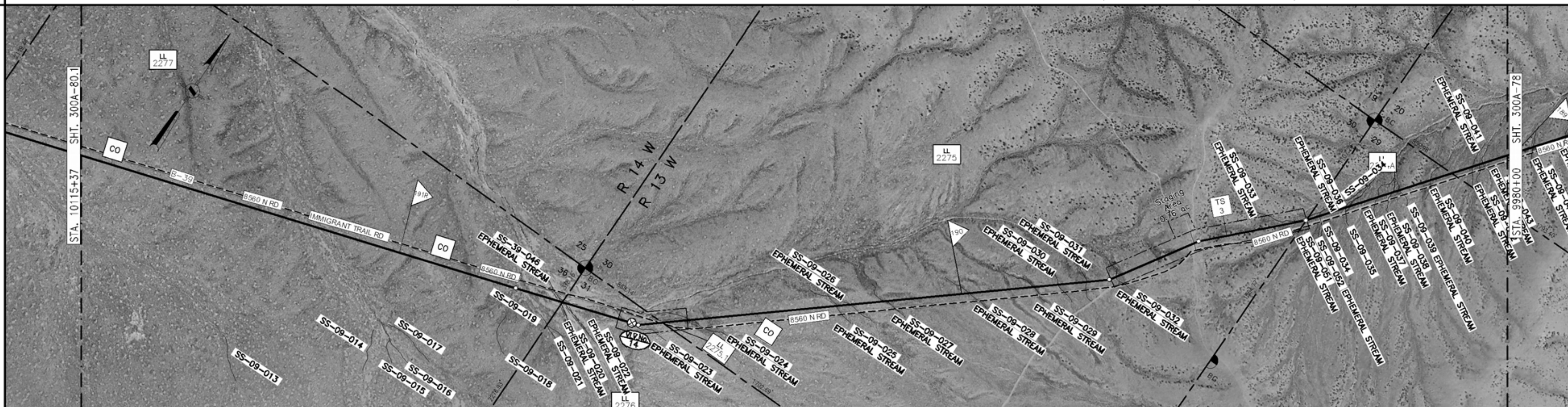
9987+44 DRAINAGE

9985+35 SECTION LINE

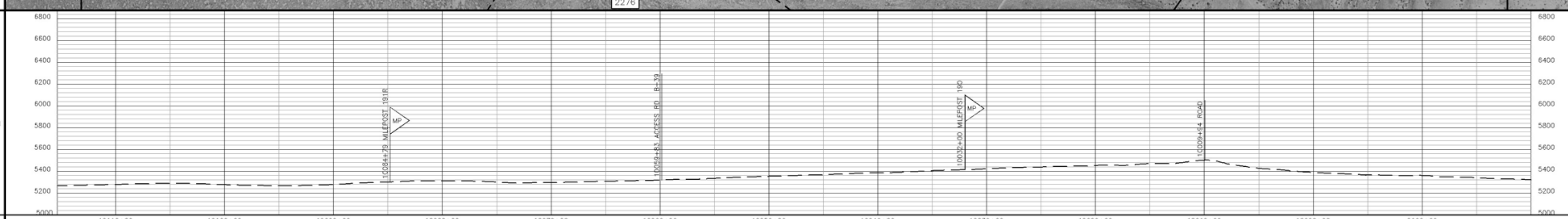
9983+40 DRAINAGE
9982+70 DRAINAGE

9980+00 MATCHLINE

## ALIGNMENT STRIP MAP




## PROFILE




## MATERIAL

PIPE CODE (SEE TABLE): 2177' (P1) | 3079' (P2) | 62' (SF) | 176' (P2) | 120' (P3) | 4909' (P2) | 40' (P3) | 2974' (P2)

PIPELINE: 10115+37; 10093+60; 10062+81; 10062+50; 10062+19; 10060+43; 10059+23; MLV-14 SEE DWG 300A-79A; ACCESS RD B-39 SEE DWG 300Z-9; 10010+14; ROAD SEE DWG 300Z-9; 10009+74; 9980+00

PIPESAKS: 10069+56; 87' (8) (P5); 10068+69; (V14)

COATING CODE (SEE TABLE): 5256' (C1) | 62' (C5) | 183' (C1) | 120' (C2) | 7916' (C1)

DESIGN FACTOR: .80 | .72 | .50 | .72 | .60 | .72 | .60 | .72

CLASS LOCATION: CLASS I

DESIGN PRESSURE: 1440

| LL NO. | OWNERSHIP | LL NO. | OWNERSHIP |
|---|---|---|---|
| 2273 | USA-BLM | | |
| 2274A | USA-BLM | | |
| 2275 | USA-BLM | | |
| 2275.1 | BOX ELDER COUNTY(EASEMENT ONLY) | | |
| 2276 | USA-BLM | | |
| 2277 | USA-BLM | | |

## MATERIAL SUMMARY

| ITEM | DESCRIPTION | QTY |
|---|---|---|
| P1 | PIPE,42.00 OD X 0.541 IN WT, DSAW,API 5L GR X-70 | 2177 |
| P2 | PIPE,42.00 OD X 0.600 IN WT, DSAW,API 5L GR X-70 | 11138 |
| P3 | PIPE,42.00 OD X 0.721 IN WT, DSAW,API 5L GR X-70 | 160 |
| SF | SHOP FABRICATION | 62 |
| C1 | PIPE COATING TYPE 1 | 13355 |
| C2 | PIPE COATING TYPE 2 | 120 |
| C5 | PIPE COATING TYPE 5 | 62 |
| V14 | MAIN LINE VALVE 14 | 1 |
| P5 | PIPESAK | 8 |

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-79A | PLAN/DETAILS - MLV-14 |

## 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.

## 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. 9980+00 TO STA. 10115+37

| | | | |
|---|---|---|---|
| Division: ROCKY MOUNTAIN | | Op. Area: ELKO | |
| State: UTAH | | Co./Par.: BOX ELDER | |
| Section: - | Township: 11N | Range: 13W/14W | |
| 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-0061 | |

300A-79.1 — Sheet: 79 of 277 — Rev. 0

Jun 14, 2010 - 1:37PM

IMPLEMENTATION PLAN 05/24/2010