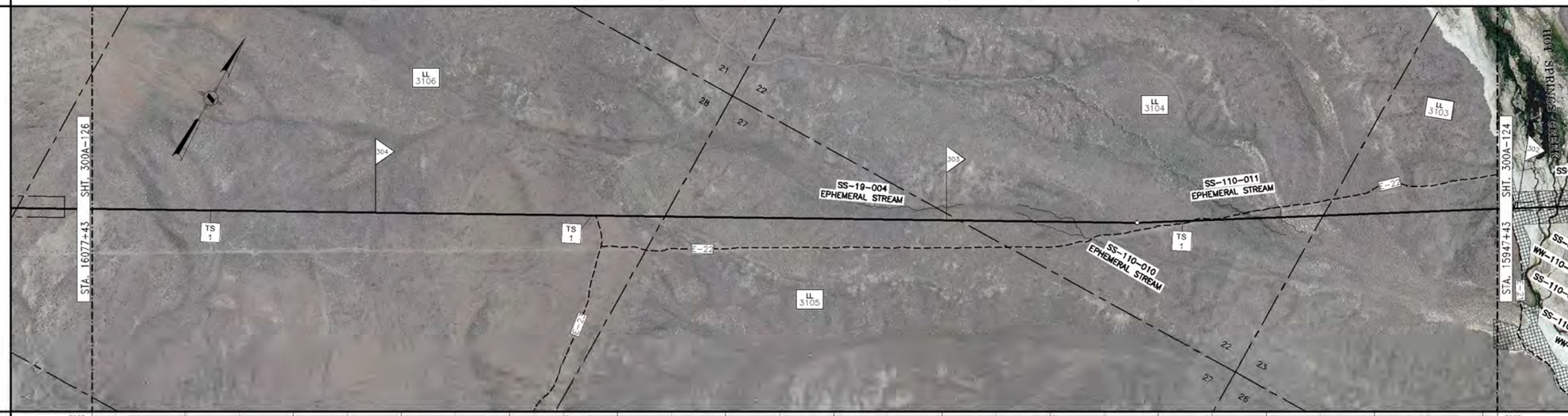
| LAND | | | | |
|---|---|---|---|---|
| LINE LIST | 3106 | 3105 | 3104 | 3103 |
| HORIZONTAL DISTANCE | 5297 FT | 2723 FT | 3370 FT | 1610 FT |

PIPELINE STATIONING

16077+43 MATCHLINE; 16066+43 TEST LEAD TYPE 1; 16051+20 MILEPOST 304; 16033+00 HYDROSTATIC TEST MANIFOLD; 16031+23 TEST LEAD TYPE 1; 16030+86 ACCESS ROAD E-23; 16024+46 SECTION LINE; 15989+40 MILEPOST 303; 15987+53 SECTION LINE; 15969+37 DRAINAGE; 15966+56 DRAINAGE; 15952+76 P.I. < 23°57'41" RT; 15916+54 TEST LEAD TYPE 1; 15915+55 ACCESS ROAD E-22; 15869+44 DRAINAGE; 15867+45 DRAINAGE; 15963+53 SECTION LINE; 15947+43 MATCHLINE

ALIGNMENT STRIP MAP




PROFILE

MATERIAL

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PIPE CODE (SEE TABLE) | 4617' (P2) | 80' (P3) | 746' (P2) | 4705' (P1) | 80' (P3) | 2772' (P1) |
| PIPELINE | | ACCESS RD E-23 SEE DWG 300Z-11 | | | ACCESS RD E-22 SEE DWG 300Z-11 | |
| PIPESAKS | | | | | | |
| COATING CODE (SEE TABLE) | 13000' (C1) | | | | | |
| DESIGN FACTOR | .72 | .60 | .72 | .80 | .60 | .80 |
| CLASS LOCATION | CLASS 1 | | | | | |
| DESIGN PRESSURE | 1440 | | | | | |

## 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 11, US FOOT

| NO. | DATE | BY | DESCRIPTION | PROJ. ID | APPR. |
|---|---|---|---|---|---|
| C | 3/10/10 | LEL | IMPLEMENTATION FILING | 122659 | JJJ/LG |
| B | 7/10/09 | LEL | ISSUE FOR FERC FILING | 122659 | JJJ |
| A | 1/26/09 | DLM | ISSUE FOR FERC FILING | 122659 | JJJ |

REVISIONS

RUBY PIPELINE LLC

| LL NO. | OWNERSHIP | LL NO. | OWNERSHIP |
|---|---|---|---|
| 3103 | BLM | | |
| 3104 | BLM | | |
| 3105 | BLM | | |
| 3106 | BLM | | |

## MATERIAL SUMMARY

| ITEM | DESCRIPTION | QTY |
|---|---|---|
| P1 | PIPE,42.00 OD X 0.541 IN WT, DSAW,API 5L GR X-70 | 7477 |
| P2 | PIPE,42.00 OD X 0.680 IN WT, DSAW,API 5L GR X-70 | 5383 |
| P3 | PIPE,42.00 OD X 0.731 IN WT, DSAW,API 5L GR X-70 | 160 |
| C1 | PIPE COATING TYPE 1 | 13000 |

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-11 | TYPICAL OPEN CUT ROAD CROSSING |
| 300Z-12 | TYPICAL BORED ROAD CROSSING |

## 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 EDGEEPITHE CONSTRUCTION R/W IS LIMITED TO 75' WIDE IN WETLANDS

ALIGNMENT SHEET
RUBY PIPELINE
300A-42"

STA. 15947+43 TO STA. 16077+43

| | | | |
|---|---|---|---|
| Division: ROCKY MOUNTAIN | | Op. Area: ELKO | |
| State: NEVADA | | Co./Parr.: ELKO CO | |
| Section: – | Township: 39N | Range: 59E | |
| Drafter: DLM | Date: 01/23/09 | Project ID: 122659 | Type: CIVIL 3D |
| Chk'd: G | Date: 01/23/09 | Scale: 1" = 500' | |
| Appr: JJJ | Date: 01/23/09 | Filename: 0300-A-116.DWG | |
| 300A-125 | | Sheet: 126of277 | Rev: C |

Jan 14, 2010 – 15:18AM

IMPLEMENTATION PLAN 05/24/2010