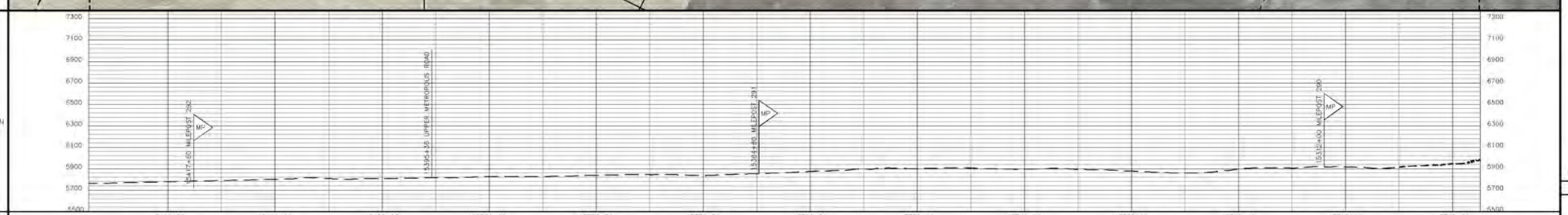
| LAND | | | | |
|---|---|---|---|---|
| LINE LIST | | | | |
| LAND PLAT NUMBER | 3090 | 3089 | 3088 | 3087 | 3086 |
| PIPELINE STATION | 15427+43 | 15423+26 | 15414+06 | 15365+79 | 15308+72 | 15297+43 |
| HORIZONTAL DISTANCE | 417 FT | 845 FT | 4917 FT | 5707 FT | 1129 FT |

## PIPELINE STATIONING

15427+43 MATCHLINE
15423+26 RANGE LINE
15417+61 MILEPOST 292
15414+06 SECTION LINE
15414+06 END 115'W/BOA 115'W TEMP WORK SPACE
15407+41 END 115'W/BOA 195'W TEMP WORK SPACE
15401+82 P.I. <-101°50' RT
15397+69 END 195'W/BOA 115'W TEMP WORK SPACE
15395+66 TEST LEAD TYPE 3
15395+36 UPPER METROPOLIS ROAD
15393+34 END 115'W/BOA 195'W TEMP WORK SPACE
15389+25 ACCESS ROAD E-15
15386+01 ACCESS ROAD E-15
15372+71 ACCESS ROAD E-15
15371+11 ACCESS ROAD E-15
15365+79 SECTION LINE
15364+81 MILEPOST 291
15362+84 ACCESS ROAD E-15
15361+26 END 195'W/BOA 115'W TEMP WORK SPACE
15356+55 P.I. <-5°27'46" LT
15345+50 TEST LEAD TYPE 1
15331+70 ACCESS ROAD E-15
15312+01 MILEPOST 290
15308+72 SECTION LINE
15305+85 DRAINAGE
15299+71 ACCESS ROAD E-15
15297+43 MATCHLINE

## ALIGNMENT STRIP MAP

## PROFILE




## MATERIAL

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PIPE CODE (SEE TABLE) | | 3167' (P5) | | | 80' (P3) | 196' (P3) | | | | 6600' (P1) | | | | | | | 957' (P3) | |
| PIPELINE | 15427+43 | | | | (UPPER METROPOLIS ROAD SEE DWG 300Z-11) | | 15395+26 | 15394+96 | 15383+00 | | | | | | | | 15302+00 | 15297+43 |
| PIPESAKS | | | | | | | | | | | | | | | | | | |
| COATING CODE (SEE TABLE) | 13000' (C1) | | | | | | | | | | | | | | | | | |
| DESIGN FACTOR | | .72 | | | .60 | .72 | | | | .80 | | | | | | | .72 | |
| 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 |
|---|---|---|---|
| 3086 | WILLIAM MAX SPRATLING LIVING TRUST | | |
| 3087 | WILLIAM MAX SPRATLING LIVING TRUST | | |
| 3088 | WILLIAM MAX SPRATLING LIVING TRUST | | |
| 3089 | WILLIAM MAX SPRATLING LIVING TRUST | | |
| 3090 | WILLIAM MAX SPRATLING LIVING TRUST | | |

## MATERIAL SUMMARY

| ITEM | DESCRIPTION | QTY |
|---|---|---|
| P1 | PIPE,42.00 OD X 0.541 IN WT, DSAW,API 5L GR X-70 | 8600 |
| P2 | PIPE,42.00 OD X 0.680 IN WT, DSAW,API 5L GR X-70 | 4320 |
| P3 | PIPE,42.00 OD X 0.731 IN WT, DSAW,API 5L GR X-70 | 80 |
| 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 EDGEPRTHE CONSTRUCTION R/W IS LIMITED TO 75' WIDE IN WETLANDS

ALIGNMENT SHEET
RUBY PIPELINE
300A-42"

STA. 15297+43 TO STA. 15427+43

| | | | |
|---|---|---|---|
| Division: ROCKY MOUNTAIN | | Op. Area: ELKO | |
| State: NEVADA | | Co./Parr.: ELKO CO | |
| Section: – | Township: 40N | Range: 60E/61E | |
| 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-120.1 | | Sheet: 21of27 | Rev: C |

Jan 14, 2010 – 15:13AM

IMPLEMENTATION PLAN 05/24/2010