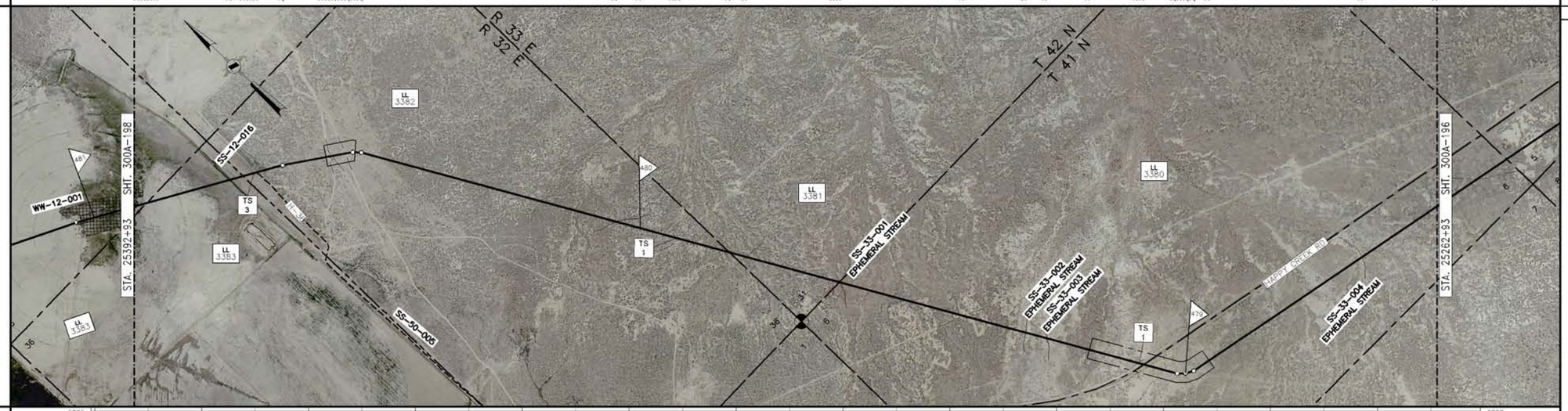
## LAND

| LINE LIST | LAND PLAT NUMBER | PIPELINE STATION | HORIZONTAL DISTANCE |
|---|---|---|---|
| | 3384 | 25392+93 | 118 FT |
| | 3383 | 25381+71 | 971 FT |
| | 3382 | 25382+54 | 4700 FT |
| | 3381 | 25334+54 | 1064 FT |
| | 3380 | 25324+70 | 6177 FT |
| | | 25262+93 | |

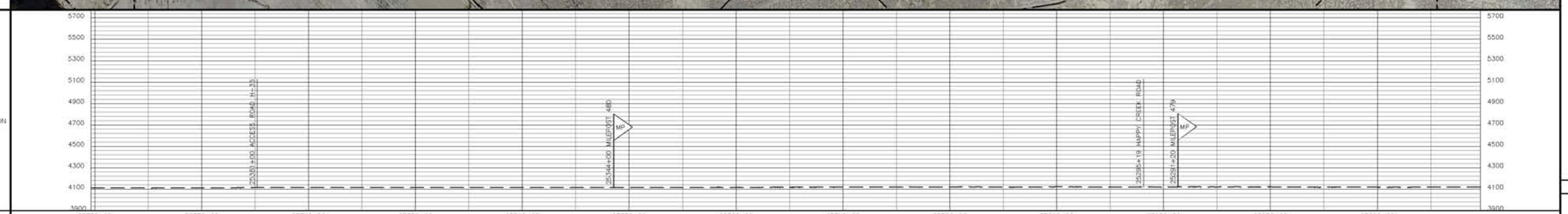
## PIPELINE STATIONING

25392+93 MATCHLINE
25392+93 BOR WETLAND
25392+31 END 115'W/BOR 75'W TEMP WORK SPACE
25391+71 SECTION LINE
25383+56 HAPPY CREEK
25382+27 PROPERTY LINE
25381+20 TEST LEAD TYPE 3
25381+00 ACCESS ROAD H-36
25378+52 PI ∠ 45.1750° LT
25374+41 END 115'W/BOR 115'W TEMP WORK SPACE
25374+08 DIRT ROAD
25373+87 DIRT ROAD
25372+56 DIRT ROAD
25371+45 TEST LEAD TYPE 1
25371+05 END 115'W/BOR 75'W TEMP WORK SPACE
25371+05 PI ∠ 12.6000° LT
25346+34 DIRT ROAD
25344+00 MILEPOST 480
25340+44 TEST LEAD TYPE 1
25340+20 DIRT ROAD
25335+34 RANGE LINE
25333+74 DIRT ROAD
25324+70 RANGE LINE
25324+62 DRAINAGE
25312+70 DIRT ROAD
25306+65 DRAINAGE
25304+62 DRAINAGE
25300+48 END 115'W/BOR 115'W TEMP WORK SPACE
25296+44 TEST LEAD TYPE 1
25295+18 HAPPY CREEK ROAD
25291+97 PI ∠ 15.1750° RT
25290+97 PI ∠ 15.1750° LT
25289+12 PI ∠ 18.9000° RT
25288+37 PI ∠ 18.9000° RT
25288+67 END 115'W/BOR 195'W TEMP WORK SPACE
25271+55 DRAINAGE
25262+93 MATCHLINE

## ALIGNMENT STRIP MAP




## PROFILE




## MATERIAL

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PIPE CODE (SEE TABLE) | | 1153' (P1) | 80' (P3) ACCESS RD H-36 SEE DWG 300Z-13 | 608' (P1) | 240' (P2) | 7633' (P1) | | | | | 120' (P3) HAPPY CREEK ROAD SEE DWG 300Z-13 | 3166' (P1) | | |
| PIPELINE | 25392+93 | | 25381+40 | 25380+60 | 25374+52 | 25372+12 | | | | | 25295+79 | 25294+59 | | 25262+93 |
| PIPESAKS | | | | | | | | | | | | | | |
| COATING CODE (SEE TABLE) | | 13000' (C1) | | | | | | | | | | | | |
| DESIGN FACTOR | | .80 | .60 | .80 | .72 | .80 | | | | | .60 | .80 | | |
| CLASS LOCATION | | CLASS I | | | | | | | | | | | | |
| 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

## REVISIONS

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

RUBY PIPELINE LLC

## LL NO. / OWNERSHIP

| LL NO. | OWNERSHIP |
|---|---|
| 3380 | BLM |
| 3381 | BLM |
| 3382 | BLM |
| 3383 | HAPPY CREEK INC |
| 3384 | HAPPY CREEK INC |

## MATERIAL SUMMARY

| ITEM | DESCRIPTION | QTY |
|---|---|---|
| P1 | PIPE,42.00 OD X 0.541 IN WT, DSAW,API 5L GR X-70 | 12560 |
| P2 | PIPE,42.00 OD X 0.680 IN WT, DSAW,API 5L GR X-70 | 240 |
| P3 | PIPE,42.00 OD X 0.721 IN WT, DSAW,API 5L GR X-70 | 200 |
| 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 3" 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-13 | TYPICAL OPEN CUT ROAD CROSSING |
| 300Z-14 | 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 EDGE.

ALIGNMENT SHEET
RUBY PIPELINE
300A–42"

STA. 25262+93 TO STA. 25392+93

| | | | |
|---|---|---|---|
| Division: ROCKY MOUNTAIN | | Op. Area: ELKO | |
| State: NEVADA | | Co./Par.: HUMBOLDT CO | |
| Section: – | Township: 41N/42N | Range: 32E/33E | |
| 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-196.DWG | |
| 300A–197 | | Sheet: 98of273 | Rev: C |

Jan 14, 2010 – 11:34AM

IMPLEMENTATION PLAN 05/24/2010