LAND				
LINE LIST / LAND PLAT NUMBER	3160	3159	3158	3157
PIPELINE STATION	18157+43 – 18145+94	18145+94 – 18091+82	18091+82 – 18036+09	18036+09 – 18027+43
HORIZONTAL DISTANCE	1148 FT	5407 FT	5573 FT	866 FT

PIPELINE STATIONING

18157+43 MATCHLINE
18154+01 ACCESS ROAD E-45A / 18153+61 DRAINAGE
18145+94 SECTION LINE / 18144+45 TEST LEAD TYPE 1 / 18144+18 DIRT ROAD
18129+72 END 195'W/BDA 115'W TEMP WORK SPACE
18124+44 DRAINAGE / 18124+33 DRAINAGE / 18123+99 DRAINAGE
18117+22 P.I. ∠ 17°16'24" RT.
18112+58 DIRT ROAD
18110+40 MILEPOST 343
18108+72 MAGGIE CREEK / 18108+01 DIRT ROAD
18106+30 END 115'W/BDA 195'W TEMP WORK SPACE
18103+94 DRAINAGE / 18102+77 STAGING AREA
18100+77 STAGING AREA
18098+02 MAGGIE CREEK / 18096+97 MAGGIE CREEK
18091+87 SECTION LINE
18089+39 TEST LEAD TYPE 1 / 18089+18 DIRT ROAD
18078+53 MAGGIE CREEK
18065+42 WETLAND TIE / 18064+73 ACCESS ROAD E-44 / 18064+45 MAGGIE CREEK / 18063+97 WETLAND TIE
18057+60 MILEPOST 342
18052+88 P.I. ∠ 01°15'26" LT.
18036+45 DIRT ROAD / 18036+09 SECTION LINE
18030+21 TEST LEAD TYPE 3 / 18029+95 ACCESS ROAD E-43
18027+43 MATCHLINE

ALIGNMENT STRIP MAP

PROFILE

MATERIAL

STATION	18120+00	18110+00	18100+00	18090+00	18080+00	18070+00	18060+00	18050+00	18040+00	18030+00	18020+00	18010+00	18000+00

PIPE CODE (SEE TABLE): 302' (P1) – 80' (P3) – 905' (P1) – 50' (P3) – 2374' (P1) – 674' (P2) – 80' (P3) – 40' (P1) – 80' (P3) – 1502' (P1) – 80' (P3) – 1679' (P1) – 687' (P2) – 80' (P3) – 3388' (P2) – 80' (P3) – 212' (P2)

PIPELINE: 18157+43 – 18154+41 – 18153+61 – 18144+56 – 18143+78 – 18130+10 – 18115+78 – 18112+58 – 18106+41 – 18107+61 – 18089+39 – 18086+78 – 18072+00 – 18065+42 – 18064+73 – 18036+45 – 18036+30 – 18029+95 – 18027+43

ACCESS RD E-45A SEE DWG 300Z-11 (18154+41 – 18153+61)
ACCESS RD E-44 SEE DWG 300Z-11 (18065+42 – 18064+73)
ACCESS RD E-43 SEE DWG 300Z-11 (18030+21 – 18029+95)

PIPESAKS: (7) 80' (P5) – 18154+61 – 18153+61

COATING CODE (SEE TABLE): 3741' (C1) – 674' (C2) – 8585' (C1)

DESIGN FACTOR	.80	.60	.80	.60	.80	.72	.60	.80	.60	.80	.60	.80	.72	.60	.72	.60	.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/LC
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

OWNERSHIP

LL NO.	OWNERSHIP
3157	BLM
3158	BLM
3159	BLM
3160	BLM

LL NO.	OWNERSHIP

MATERIAL SUMMARY

ITEM	DESCRIPTION	QTY:
P1	PIPE,42.00 OD X 0.541 IN WT, DSAWAPI 5L GR X-70	7469
P2	PIPE,42.00 OD X 0.600 IN WT, DSAWAPI 5L GR X-70	4971
P3	PIPE,42.00 OD X 0.721 IN WT, DSAWAPI 5L GR X-70	560
C1	PIPE COATING TYPE 1	12326
C2	PIPE COATING TYPE 2	674
P5	PIPESAK	7

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 EDGE.

ALIGNMENT SHEET
RUBY PIPELINE
300A-42"

STA. 18027+43 TO STA. 18157+43

Division: ROCKY MOUNTAIN		Op. Area: ELKO	
State: NEVADA		Co./Parr.: ELKO CO	
Section: –	Township: 38N	Range: 53E	
Drafter: DLM	Date: 01/23/09	Project ID: 122864	Type: CIVIL 3D
Chk'd: G	Date: 01/23/09	Scale: 1" = 500'	
Appr: JJJ	Date: 01/23/09	Filename: 0300-A-136.DWG	

300A-141

Sheet: 142of273 Rev: C

Jan 14, 2010 - 10:06am