LAND

LAND PLAT NUMBER	3139	3137A	3138A	3137	3138	3136	3135.1	3135
PIPELINE STATION	17377+43 – 17373+94	17373+94 – 17360+34	17360+34 – 17333+19	17333+19 – 17325+65	17325+65 – 17319+62	17319+62 – 17271+94	17271+94 – 17265+21	17265+21 – 17247+43
HORIZONTAL DISTANCE	349 FT	1360 FT	2718 FT	757 FT	603 FT	4573 FT	677 FT	1776 FT

PIPELINE STATIONING

17377+43 MATCHLINE
17374+12 BGN WETLAND
17373+94 SECTION LINE
17373+82 COAL MINE CANYON ROAD
17373+59 END 195'W/BGN 75'W TEMP WORK SPACE
17371+20 MILEPOST 329
17368+37 END 115'W/BGN 195'W TEMP WORK SPACE
17361+60 FENCE
17360+34 PROPERTY LINE
17358+82 END 195'W/BGN 115'W TEMP WORK SPACE
17358+27 DRAINAGE
17356+64 TEST LEAD TYPE 4
17356+26 ACCESS ROAD E-36
17345+67 END 115'W/BGN 195'W TEMP WORK SPACE
17333+19 PROPERTY LINE
17325+65 PROPERTY LINE
17322+32 END 195'W/BGN 115'W TEMP WORK SPACE
17319+84 COAL MINE CANYON ROAD
17319+62 SECTION LINE
17318+40 MILEPOST 328
17315+69 COAL MINE CANYON ROAD
17314+25 DRAINAGE
17311+45 P.I. < 17°10'51" LT.
17307+37 END 75'W/BGN 195'W TEMP WORK SPACE
17307+03 DIRT ROAD
17306+78 END WETLAND
17306+54 PIE CREEK
17305+90 BGN WETLAND
17305+39 END 195'W/BGN 75'W TEMP WORK SPACE
17301+52 P.I. < 9°56'46" LT.
17301+29 TEST LEAD TYPE 3
17301+04 ACCESS ROAD E-35
17297+36 TEST LEAD TYPE 4
17297+26 P.I. < 13°01'17" RT.
17297+17 END PARALLEL POWERLINE
17296+46 P.I. < 13°00'00" RT.
17285+49 END 115'W/BGN 195'W TEMP WORK SPACE
17284+72 STAGING AREA
17283+26 ACCESS ROAD E-33
17283+13 END 195'W/BGN 115'W TEMP WORK SPACE
17282+72 STAGING AREA
17277+48 DIRT ROAD
17275+99 DRAINAGE
17271+94 PROPERTY LINE
17265+60 MILEPOST 327
17265+18 SECTION LINE
17252+86 DIRT ROAD
17247+91 TEST LEAD TYPE 4
17247+67 DIRT ROAD
17247+43 MATCHLINE

ALIGNMENT STRIP MAP

PROFILE

MATERIAL

PIPE CODE (SEE TABLE): 321' (P1); 80' (P3) COAL MINE CANYON RD; 1675' (P1); 80' (P3) ACCESS RD E-36 SEE DWG 300Z-11; 3563' (P1); 80' (P3) COAL MINE CANYON RD; 335' (P1); 80' (P3) COAL MINE CANYON RD; 70' (P1); 80' (P3); 685' (P1); 80' (P3) PIE CREEK; 470' (P1); 80' (P3) ACCESS RD E-35 SEE DWG 300Z-11; 1698' (P1); 80' (P3) ACCESS RD E-33 SEE DWG 300Z-11; 2186' (P1); 1357' (P2)

PIPELINE: 17377+43, 17374+22, 17373+40, 17356+67, 17355+87, 17320+24, 17319+44, 17318+00, 17315+29, 17314+59, 17313+79, 17306+94, 17306+14, 17301+44, 17300+64, 17283+66, 17282+86, 17261+00, 17247+43

PIPESAKS: (5) 321' (SA); (7) 80' (PS)

COATING CODE (SEE TABLE): 13000' (C1)

DESIGN FACTOR: .80 | .60 | .80 | .60 | .80 | .60 | .80 | .60 | .80 | .60 | .80 | .60 | .80 | .60 | .80 | .60 | .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/LC
B	7/10/09	LEL	ISSUE FOR FERC FILING	122659	JJJ
A	1/26/09	DLM	ISSUE FOR FERC FILING	122659	JJJ

REVISIONS

LL NO.	OWNERSHIP
3135	GLASER LAND & LIVESTOCK CO.
3135.1	GLASER LAND & LIVESTOCK CO.
3136	BLM
3138	BLM
3137	KEY RANCHES, LLC
3138A	BLM
3137A	KEY RANCHES, LLC
3139	KEY RANCHES, LLC

MATERIAL SUMMARY

ITEM	DESCRIPTION	QTY
P1	PIPE,42.00 OD X 0.541 IN WT, DSAW,API 5L GR X-70	11003
P2	PIPE,42.00 OD X 0.600 IN WT, DSAW,API 5L GR X-70	1357
P3	PIPE,42.00 OD X 0.721 IN WT, DSAW,API 5L GR X-70	640
C1	PIPE COATING TYPE 1	13000
PS	PIPESAK	7
SA	SCREW ANCHOR	5

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

RUBY PIPELINE LLC

ALIGNMENT SHEET
RUBY PIPELINE
300A-42"

STA. 17247+43 TO STA. 17377+43

Division: ROCKY MOUNTAIN		Op. Area: ELKO	
State: NEVADA		Co./Par.: ELKO CO	
Section: –	Township: 39N	Range: 19E	
Drafter: DLM	Date: 01/23/09	Project ID: 122659	Type: CIVIL 3D
Chk'd: G	Date: 01/23/09	Scale:	
Appr: JJJ	Date: 01/23/09	Filename: 0300-A-116.DWG	

300A-135 Sheet: 136of277 Rev: C

Jun 14, 2010 – 10:31AM

IMPLEMENTATION PLAN 05/24/2010