LAND

LINE LIST / LAND PLAT NUMBER	PIPELINE STATION	HORIZONTAL DISTANCE
3005	12307+43 – 12300+53	690 FT
3004	12300+53 – 12254+57	4596 FT
3003	12254+57 – 12195+05	5952 FT
3002	12195+05 – 12191+73	332 FT
3001	12191+73 – 12177+43	1430 FT

PIPELINE STATIONING

- 12307+43 MATCHLINE
- 12303+08 TEST LEAD TYPE 1
- 12302+78 DIRT ROAD
- 12302+40 MILEPOST 233
- 12300+48 SECTION LINE
- 12296+74 ACCESS ROAD E-2
- 12295+97 ACCESS ROAD E-2
- 12285+22 P.I. < 10°48'46" LT
- 12284+99 ACCESS ROAD E-2
- 12284+42 P.I. < 11°00'00" LT
- 12284+42 ACCESS ROAD E-2
- 12272+64 P.I. < 14°46'00" LT
- 12271+84 P.I. < 14°30'00" LT
- 12271+04 P.I. < 14°30'00" LT
- 12270+81 ACCESS ROAD E-2
- 12267+74 ACCESS ROAD E-2
- 12265+60 ACCESS ROAD E-2
- 12261+83 ABANDONED FIBER OPTIC CABLE
- 12257+68 ACCESS ROAD E-2
- 12255+52 ACCESS ROAD E-2
- 12254+52 SECTION LINE
- 12252+10 P.I. < 18°01'23" RT
- 12249+60 MILEPOST 232
- 12248+75 TEST LEAD TYPE 3
- 12242+93 P.I. < 7°08'26" RT
- 12241+75 ACCESS ROAD E-2
- 12240+63 P.I. < 15°12'54" LT
- 12239+83 P.I. < 15°15'00" LT
- 12236+78 P.I. < 11°11'39" LT
- 12235+98 P.I. < 11°00'00" LT
- 12235+28 DIRT ROAD
- 12223+87 ACCESS ROAD E-2
- 12223+35 P.I. < 13°40'44" RT
- 12222+55 P.I. < 13°30'00" RT
- 12210+95 ACCESS ROAD E-2
- 12210+81 P.I. < 14°29'35" RT
- 12210+75 ACCESS ROAD E-2
- 12199+60 ACCESS ROAD E-2
- 12199+05 ACCESS ROAD E-2
- 12196+80 MILEPOST 231
- 12196+30 HYDROSTATIC TEST MANIFOLD
- 12195+69 ACCESS ROAD E-2
- 12195+00 SECTION LINE
- 12194+87 P.I. < 10°30'01" LT
- 12194+19 STAGING AREA
- 12194+07 P.I. < 10°30'00" LT
- 12192+19 STAGING AREA
- 12191+68 SECTION LINE
- 12191+09 ACCESS ROAD E-2
- 12191+07 TEST LEAD TYPE 1
- 12190+01 ABANDONED FIBER OPTIC CABLE
- 12188+22 ACCESS ROAD E-1
- 12184+71 P.I. < 6°45'31" RT
- 12181+19 ABANDONED FIBER OPTIC CABLE
- 12177+72 DIRT ROAD
- 12177+47 P.I. < 9°30'29" RT
- 12177+43 BGN AT UTAH/NEVADA STATELINE

ALIGNMENT STRIP MAP

PROFILE

MATERIAL

Station range	Length	Pipe code	Note	Design factor
12307+43 – 12307+39	4'	P3	ACCESS RD E-2 SEE DWG 300Z-11	.60
	1022'	P2		.72
12297+17 – 12295+57	160'	P3	ACCESS RD E-2 SEE DWG 300Z-11	.60
	10405'	P2		.72
12191+49 – 12190+69	80'	P3	ACCESS RD E-2 SEE DWG 300Z-11	.60
	207'	P2		.72
12188+62 – 12187+82	80'	P3	ACCESS RD E-1 SEE DWG 300Z-11	.60
– 12177+43	1039'	P2		.72

PIPELINE / PIPESAKS

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

CLASS LOCATION: CLASS 1

DESIGN PRESSURE: 1440

LL NO.	OWNERSHIP	LL NO.	OWNERSHIP
3001	WALKER-WINECUP GAMBLE INC		
3002	BLM		
3003	WALKER-WINECUP GAMBLE INC		
3004	BLM		
3005	WALKER-WINECUP GAMBLE INC		

MATERIAL SUMMARY

ITEM	DESCRIPTION	QTY
P2	PIPE,42.00 OD X 0.600 IN WT, DSAW,API 5L GR X-70	12676
P3	PIPE,42.00 OD X 0.721 IN WT, DSAW,API 5L GR X-70	324
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 EDGE.

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

ALIGNMENT SHEET
RUBY PIPELINE
300A-42"

STA. 12177+43 TO STA. 12307+43

Division: ROCKY MOUNTAIN		Op. Area: ELKO	
State: NEVADA		Co./Par.: ELKO CO	
Section: –	Township: 41N	Range: 70E	
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-096.DWG	

300A-96 — Sheet: 97 of 277 — Rev. C

ISSUE FOR BID 06/14/2010