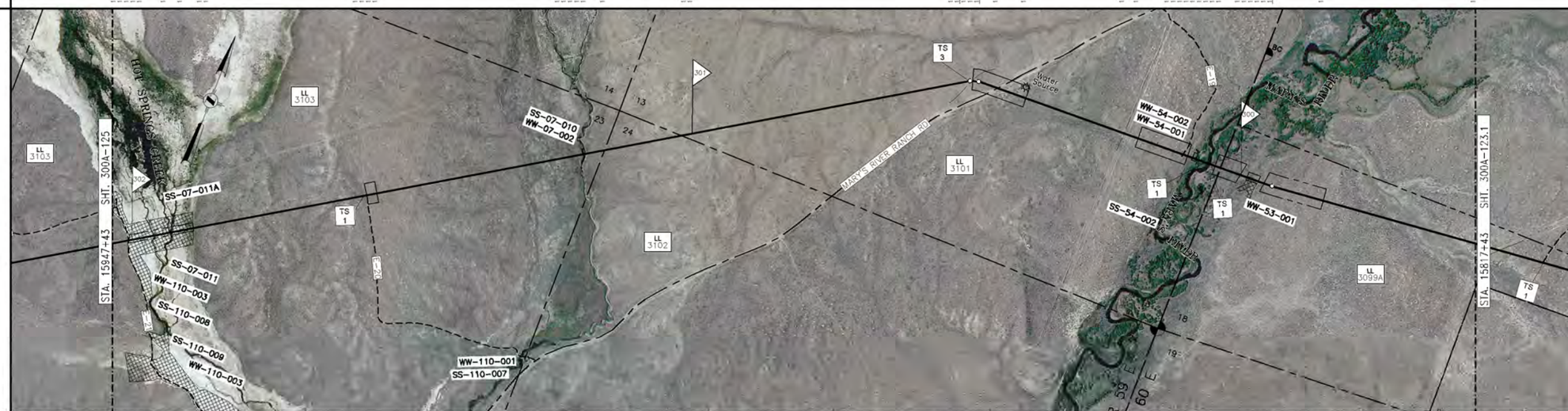
LAND					
LINE LIST	3103	3102	3101	3099A	
LAND PLAT NUMBER					
PIPELINE STATION	15947+43	15901+07	15892+81	15842+03	15817+43
HORIZONTAL DISTANCE	4636 FT	726 FT	5177 FT	2460 FT	

PIPELINE STATIONING

15947+43 MATCHLINE
15946+36 END 75'W/BOA 115'W TEMP WORK SPACE
15946+23 ACCESS ROAD E-21
15945+66 END WETLAND
15945+60 MILEPOST 302
15943+36 HOT SPRINGS CREEK
15941+78 HOT SPRINGS CREEK
15939+83 BOA WETLAND
15939+33 END 115'W/BOA 75'W TEMP WORK SPACE
15923+74 TEST LEAD TYPE 1
15923+45 END 195'W/BOA 115'W TEMP WORK SPACE
15923+45 ACCESS ROAD E-20
15922+51 END 115'W/BOA 195'W TEMP WORK SPACE
15903+11 END 75'W/BOA 115'W TEMP WORK SPACE
15903+08 END WETLAND
15902+97 HOT SPRINGS CREEK
15902+90 BOA WETLAND
15902+88 END 115'W/BOA 75'W TEMP WORK SPACE
15901+07 SECTION LINE
15893+81 SECTION LINE
15892+80 MILEPOST 301
15866+69 TEST LEAD TYPE 1
15866+48 END 195'W/BOA 115'W TEMP WORK SPACE
15866+48 DIRT ROAD
15866+35 END 195'W/BOA 115'W TEMP WORK SPACE
15866+35 TEST LEAD TYPE 1
15863+96 MARY'S RIVER RANCH ROAD
15861+21 END 115'W/BOA 195'W TEMP WORK SPACE
15851+56 DIRT ROAD
15850+16 END 195'W/BOA 115'W TEMP WORK SPACE
15845+74 ACCESS ROAD E-19
15844+80 END 75'W/BOA 195'W TEMP WORK SPACE
15844+80 END WETLAND
15844+72 BOA WETLAND
15844+55 END 115'W/BOA 195'W TEMP WORK SPACE
15843+52 TEST LEAD TYPE 1
15843+52 END 195'W/BOA 115'W TEMP WORK SPACE
15842+93 TEST LEAD TYPE 1
15842+93 END 195'W/BOA 75'W TEMP WORK SPACE
15842+03 RANGE LINE
15840+00 MILEPOST 300
15839+80 END 75'W/BOA 195'W TEMP WORK SPACE
15839+37 END WETLAND
15839+33 BOA WETLAND
15837+82 END 115'W/BOA 75'W TEMP WORK SPACE
15837+00 P.I. = 436.61' RT
15832+07 END 115'W/BOA 195'W TEMP WORK SPACE
15817+43 MATCHLINE

ALIGNMENT STRIP MAP



PROFILE

MATERIAL

PIPE CODE (SEE TABLE)	110' (P1)	60' (P3)	175' (P1)	240' (P3)	1752' (P1)	80' (P3)	5620' (P1)	80' (P3)	170' (P1)	60' (P3)	1742' (P1)	80' (P3)	84' (P1)	60' (P2)	80' (P4)	60' (P2)	2467' (P1)	
PIPELINE	ACCESS RD E-20 SEE DWG 300Z-11	HOT SPRINGS CREEK CROSSING SEE DWG.	ACCESS RD E-20 SEE DWG 300Z-11	MARY'S RIVER RANCH ROAD	ACCESS RD E-19 SEE DWG 300Z-11	MARY'S RIVER CROSSING SEE DWG. 300A-124A												
PIPESAKS	613' (49) (P5)	40' (4) (P5)	80' (7) (P5)	80' (7) (P5)														
COATING CODE (SEE TABLE)	8307' (C1)	80' (C2)	1986' (C1)	80' (C3)	2547' (C1)													
DESIGN FACTOR	.80	.60	.80	.60	.80	.60	.80	.60	.80	.60	.80	.60	.80	.72	.50	.72	.80	
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

LL NO.	OWNERSHIP	LL NO.	OWNERSHIP
3099A	WRIGHT LAND CO		
3101	BLM		
3102	BLM		
3103	BLM		

MATERIAL SUMMARY

ITEM	DESCRIPTION	QTY
P1	PIPE,42.00 OD X 0.541 IN WT, DSAW,API 5L GR X-70	12120
P2	PIPE,42.00 OD X 0.600 IN WT, DSAW,API 5L GR X-70	160
P3	PIPE,42.00 OD X 0.721 IN WT, DSAW,API 5L GR X-70	640
P4	PIPE,42.00 OD X 0.865 IN WT, DSAW,API 5L GR X-70	80
C1	PIPE COATING TYPE 1	12340
C2	PIPE COATING TYPE 2	80
C3	PIPE COATING TYPE 3	80
P5	PIPESAK	68

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 ARD

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
300A-124A	CROSSING MARY'S RIVER ROAD

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

ALIGNMENT SHEET
RUBY PIPELINE
300A–42"

STA. 15817+43 TO STA. 15947+43

Division: ROCKY MOUNTAIN		Op. Area: ELKO	
State: NEVADA		Co./Par.: ELKO CO	
Section: –	Township: 39N	Range: 59E/60E	
Drafter: DLM	Date: 01/23/09	Project ID: 122659	Type: CIVIL 3D
Chk'd: G	Date: 01/23/09	Scale: 1" = 500'	Filename: 0300-A-116.DWG
Appr: JJJ	Date: 01/23/09		

300A–124 | Sheet: 125of277 | Rev: C

IMPLEMENTATION PLAN 05/24/2010

Jun 14, 2010 – 12:18AM