IMPLEMENTATION PLAN 05/24/2010

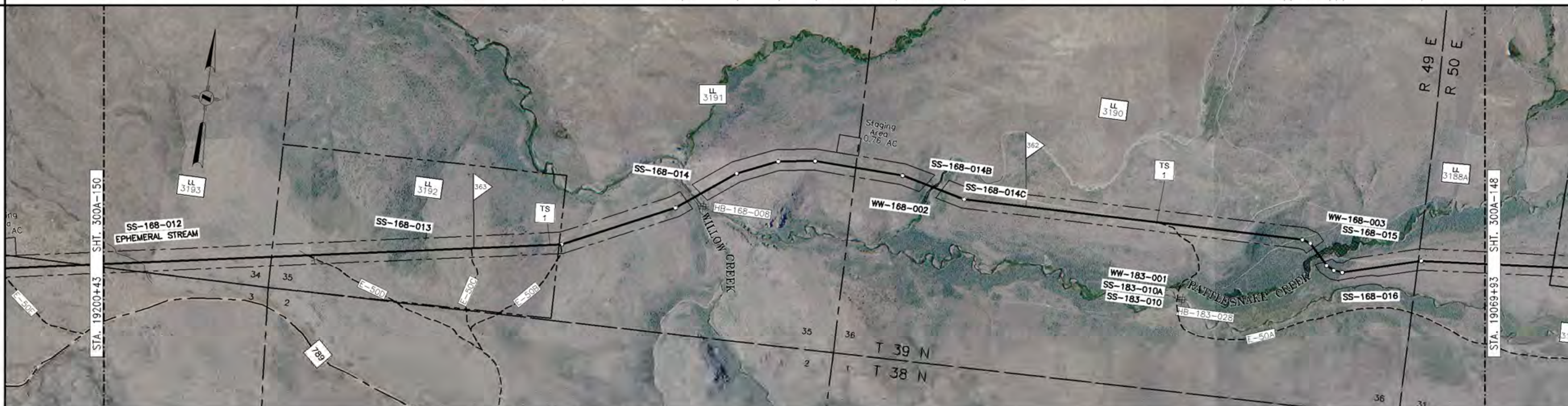
LAND

LINE LIST					
LAND PLAT NUMBER	3193	3192	3191	3190	3188A
PIPELINE STATION	19200+43 – 19185+00	19185+00 – 19158+55	19158+55 – 19129+75	19129+75 – 19076+10	19076+10 – 19069+93
HORIZONTAL DISTANCE	1542 FT	2636 FT	2880 FT	5366 FT	611 FT

PIPELINE STATIONING

19200+43 MATCHLINE
19197+05 DRAINAGE
19185+00 SECTION LINE
19181+73 FENCE LINE
19181+55 ACCESS ROAD E-50D
19166+59 ACCESS ROAD E-50C
19166+40 MILEPOST 363
19159+38 TEST LEAD TYPE 1
19158+55 PROPERTY LINE
19158+40 ACCESS ROAD E-50B
19158+32 P.I. < 15°18'10" RT.
19147+34 P.I. < 11°36'59" RT.
19145+49 WILLOW CREEK
19145+32 WILLOW CREEK
19140+89 P.I. < 13°22'49" LT.
19136+92 P.I. < 15°18'23" LT.
19133+53 P.I. < 10°05'50" LT.
19131+73 STAGING AREA
19129+75 SECTION LINE
19129+73 STAGING AREA
19125+38 P.I. < 11°34'14" LT.
19123+01 END 115'W/BGN 195'W TEMP WORK SPACE
19122+51 END 75'W/BGN 115'W TEMP WORK SPACE
19122+44 END WETLAND
19122+42 DRAINAGE
19122+29 BGN WETLAND
19122+10 END 115'W/BGN 75'W TEMP WORK SPACE
19121+59 END 195'W/BGN 115'W TEMP WORK SPACE
19119+34 P.I. < 14°10'43" RT.
19113+60 MILEPOST 362
19101+52 TEST LEAD TYPE 1
19101+42 ACCESS ROAD E-50A
19088+04 P.I. < 17°13'04" LT.
19087+24 P.I. < 30°01'09" LT.
19086+63 END 75'W/BGN 195'W TEMP WORK SPACE
19086+08 END WETLAND
19086+04 RATTLESNAKE CREEK
19085+68 BGN WETLAND
19085+18 END 195'W/BGN 75'W TEMP WORK SPACE
19084+71 P.I. < 20°00'21" RT.
19083+91 P.I. < 21°05'19" RT.
19083+11 P.I. < 21°14'17" RT.
19076+06 RANGE LINE
19075+79 P.I. < 11°01'36" LT.
19069+93 MATCHLINE

ALIGNMENT STRIP MAP



PROFILE

MATERIAL

PIPE CODE (SEE TABLE): 1848' (P2); 80' (P3) ACCESS RD E-50B SEE DWG 300Z-11 (19181+95 – 19181+15); 1416' (P2); 80' (P3) ACCESS RD E-50B SEE DWG 300Z-12 (19166+99 – 19166+19); 739' (P2); 60' (P3) ACCESS RD E-50B SEE DWG 300Z-11 (19158+80 – 19158+00); 5578' (P2); 160' (P3) ACCESS RD E-50A SEE DWG 300Z-11 (19102+72 – 19100+62); 3069' (P2)

PIPELINE: 19200+43 … 19069+93

PIPESAKS: 19145+69 – 19144+99 (6) 70' (PS); 19086+06 – 19085+70 (4) 36' (PS)

COATING CODE (SEE TABLE): 2371' (C1); 19176+72; 1792' (C2); 1400' (C1); 19144+80; 400' (C2); 19140+80; 7087' (C1)

DESIGN FACTOR: .72 | .60 | .72 | .60 | .72 | .60 | .72 | .60 | .72

CLASS LOCATION: CLASS 1

DESIGN PRESSURE: 1440

LL NO.	OWNERSHIP	LL NO.	OWNERSHIP
3188A	26 RANCH, INC		
3190	26 RANCH, INC		
3191	26 RANCH, INC		
3192	BLM		
3193	BLM		

MATERIAL SUMMARY

ITEM	DESCRIPTION	QTY
P2	PIPE,42.00 OD X 0.600 IN WT, DSAW,API 5L GR X-70	12650
P3	PIPE,42.00 OD X 0.721 IN WT, DSAW,API 5L GR X-70	400
C1	PIPE COATING TYPE 1	10858
C2	PIPE COATING TYPE 2	2192
PS	PIPESAK	10

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. 19069+93 TO STA. 19200+43

Division: ROCKY MOUNTAIN		Op. Area: ELKO	
State: NEVADA		Co./Par.: ELKO CO	
Section: –	Township: 38N/39N	Range: 49E/50E	
Drafter: DLM	Date: 01/23/09	Project ID:	Type: CIVIL 3D
Chk'd: G	Date: 01/23/09	Scale:	
Appr: JJJ	Date: 01/23/09	Filename: 0300-A-136.DWG	
300A-149		Sheet: 150of277	Rev. C

Jun 14, 2010 – 10:47AM