RUBY PIPELINE LLC — ALIGNMENT SHEET

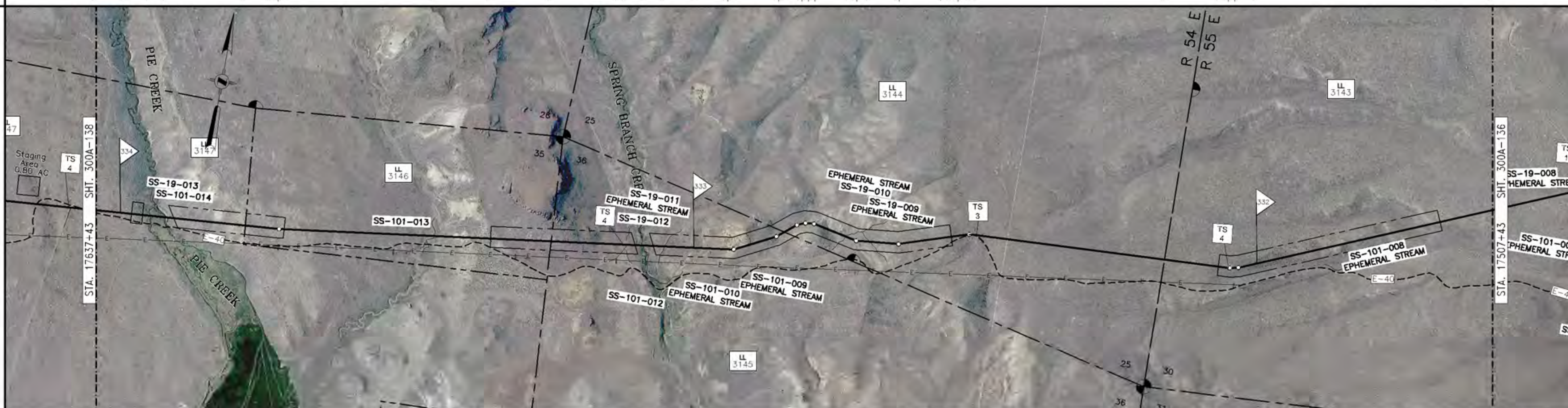
LAND

LINE LIST					
LAND PLAT NUMBER	3147	3146	3145	3144	3143
PIPELINE STATION	17637+43 – 17623+67	17623+67 – 17595+52	17595+52 – 17573+80	17573+80 – 17538+17	17538+17 – 17507+43
HORIZONTAL DISTANCE	1377 FT	2810 FT	2169 FT	3563 FT	3074 FT

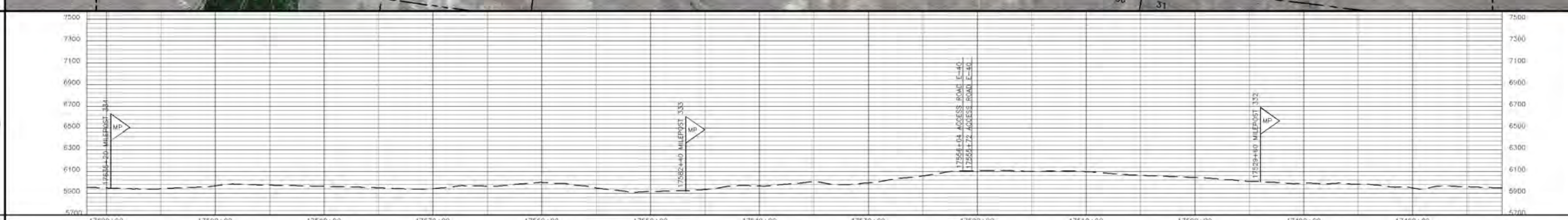
PIPELINE STATIONING

17637+43 MATCHLINE
17635+20 MILEPOST 334
17634+18 END 195'W/BGN 115'W TEMP WORK SPACE
17632+42 PIE CREEK
17630+90 PIE CREEK
17623+67 PROPERTY LINE
17620+53 PARALLEL POWERLINE
17620+53 P.I. < 3°18'08" RT
17620+10 END 115'W/BGN 195'W TEMP WORK SPACE
17606+27 DRAINAGE
17601+11 END 195'W/BGN 115'W TEMP WORK SPACE
17595+52 SECTION LINE
17588+90 TEST LEAD TYPE 4
17588+66 DIRT ROAD
17587+08 SPRING BRANCH CREEK
17585+13 DRAINAGE
17582+40 MILEPOST 333
17578+74 P.I. < 19°18'33" RT
17578+74 PARALLEL POWERLINE
17574+65 P.I. < 12°36'25" RT
17573+80 SECTION LINE
17572+48 P.I. < 17°00'00" LT
17571+68 P.I. < 17°00'00" LT
17570+88 P.I. < 17°23'21" LT
17567+78 DRAINAGE
17566+72 P.I. < 17°43'35" RT
17565+43 DRAINAGE
17562+82 P.I. < 12°02'18" RT
17557+92 END 115'W/BGN 195'W TEMP WORK SPACE
17532+24 TEST LEAD TYPE 4
17556+26 P.I. < 15°03'53" LT
17556+04 ACCESS ROAD E-40
17555+72 ACCESS ROAD E-40
17555+57 TEST LEAD TYPE 3
17538+17 RANGE LINE
17533+20 END 195'W/BGN 115'W TEMP WORK SPACE
17532+14 P.I. < 10°04'43" RT
17531+34 P.I. < 10°00'00" RT
17531+14 BGN PARALLEL POWERLINE
17529+60 MILEPOST 332
17512+37 END 115'W/BGN 195'W TEMP WORK SPACE
17507+43 MATCHLINE

ALIGNMENT STRIP MAP



PROFILE



MATERIAL

PIPE CODE (SEE TABLE): 17637+43 — 4637' (P2); 17589+06 – 17588+26 — 80' (P3); 3174' (P2); 17556+52 – 17555+32 — 120' (P3), ACCESS RD E-40 SEE DWG 300Z-11; 4789' (P2) — 17507+43

PIPESAKS: 17632+64 – 17630+89 — 175' (15) (P5); 17587+50 – 17587+10 — (4) 40' (P5)

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

DESIGN FACTOR: .72 / .60 / .72 / .60 / .72

CLASS LOCATION: CLASS 1

DESIGN PRESSURE: 1440

LL NO.	OWNERSHIP	LL NO.	OWNERSHIP
3143	BLM		
3144	BLM		
3145	BLM		
3146	BLM		
3147	VAN NORMAN RANCHES, INC		

MATERIAL SUMMARY

ITEM	DESCRIPTION	QTY
P2	PIPE,42.00 OD X 0.600 IN WT, DSAW,API 5L GR X-70	12800
P3	PIPE,42.00 OD X 0.721 IN WT, DSAW,API 5L GR X-70	200
C1	PIPE COATING TYPE 1	13000
P5	PIPESAK	19

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

- INT — INTERSTATE HIGHWAY
- US — UNITED STATES HIGHWAY
- ST — STATE HIGHWAY
- CO — COUNTY HIGHWAY OR ROAD
- RAILROAD TRACKS
- ACCESS ROAD
- CREEK, RIVER, STREAM
- FOREIGN PIPELINE
- —E—E— POWER LINE
- —FO—FO— FIBER OPTICS LINE
- MAIN LINE VALVE (MLV)
- MLV No. XX — 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. 17507+43 TO STA. 17637+43

Division: ROCKY MOUNTAIN		Op. Area: ELKO	
State: NEVADA		Co./Par.: ELKO CO	
Section: –	Township: 39N	Range: 54E/55E	
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-136.DWG	

300A-137 — Sheet: 138of277 — Rev: C

IMPLEMENTATION PLAN 05/24/2010

Jun 14, 2010 — 10:31AM