ALIGNMENT SHEET — RUBY PIPELINE 300A-42 INCH

LAND

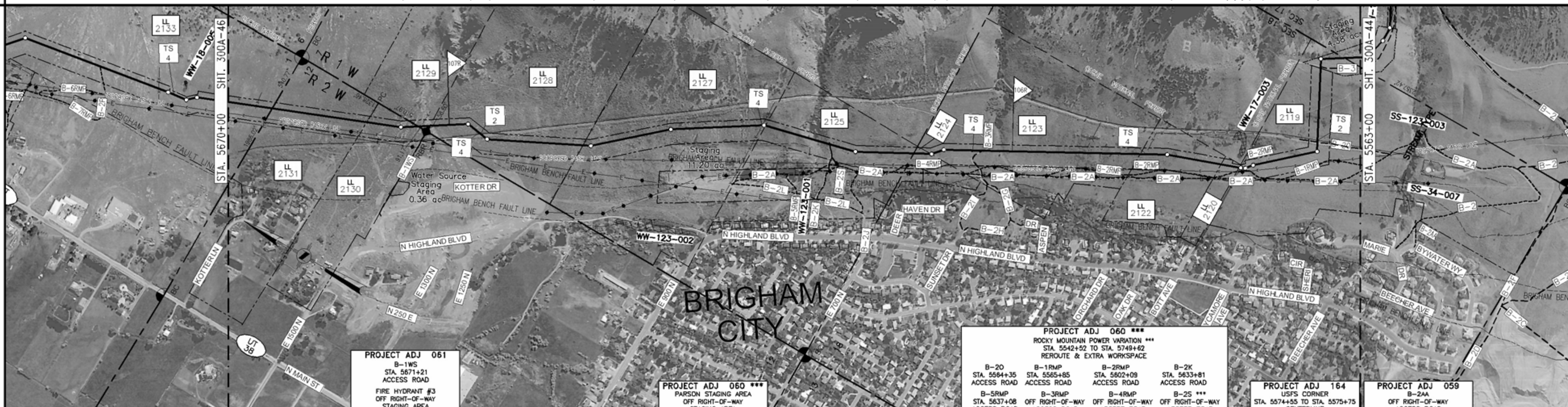
LINE LIST	2133	2131	2130	2129	2128	2127	2125	2124	2123	2122	2120	2119
LAND PLAT NUMBER												
PIPELINE STATION	5670+00	5666+01	5657+27	5652+57	5651+47	5636+89	5619+94	5605+97	5604+42	5585+12	5577+60	5575+90
HORIZONTAL DISTANCE	399 FT	874 FT	470 FT	110 FT	1458 FT	1695 FT	1397 FT	155 FT	1930 FT	752 FT	170 FT	1927 FT

End station: 5563+00

PIPELINE STATIONING

5670+00 MATCHLINE
5667+52 FENCE
5666+01 SECTION LINE
5657+27 FENCE & PROPERTY LINE
5654+10 P.I. < 10°53'07" RT
5652+57 RANGE LINE, PROPERTY LINE & FENCE
5651+54 FENCE & FENCE CORNER, 49' LT.
5651+47 PROPERTY LINE
5651+42 ACCESS RD B-1WS
5649+60 MILEPOST 107R
5647+91 P.I. < 41°03'48" LT
5646+65 TEST LEAD TYPE 4
5646+49 FOREIGN PIPELINE & TEST LEAD TYPE 2
5645+68 P.I. < 34°47'58" RT
5636+89 FENCE & PROPERTY LINE
5636+14 P.I. < 15°15'56" RT
5628+64 P.I. < 9°01'15" LT
5620+25 FENCE & TEST LEAD TYPE 4
5620+08 P.I. < 18°41'03" LT
5619+94 PROPERTY LINE
5613+68 ACCESS RD B-2K
5611+33 P.I. < 14°19'16" RT
5605+97 SECTION LINE
5604+42 PROPERTY LINE
5604+33 P.I. < 21°30'07" RT
5603+15 P.I. < 20°58'25" LT
5600+50 TEST LEAD TYPE 4
5599+53 ACCESS RD B-3RMP
5596+80 MILEPOST 106R
5585+12 PROPERTY LINE
5584+60 TEST LEAD TYPE 4
5582+62 P.I. < 8°59'04" LT
5577+60 PROPERTY LINE
5576+60 END 165'W(140'L/25'R);BGN 195'W(140'L/55'R) TEMP WORK SPACE
5575+90 PROPERTY LINE
5575+73 ahd < 22°18'34" RT & FENCE
STATION EQUATION -2'
5575+75 bk= END REALIGNMENT
5575+33 P.I. < 23°38'41" RT
5575+24 END 195'W(110'L/55'R);BGN 165'W(140'L/25'R) TEMP WORK SPACE
5574+55 P.I. < 8°12'09" LT
5568+57 P.I. < 75°38'05" RT & END 195'W(110'L/85'R); BGN 195'W(140'L/55'R) TEMP WORK SPACE
5567+65 ACCESS RD B-2O
5567+55 FOREIGN PIPELINE & TEST STATION TYPE 2
5563+00 MATCHLINE

ALIGNMENT STRIP MAP



PROJECT ADJ 061
B-1WS
STA. 5671+21
ACCESS ROAD
FIRE HYDRANT #3
OFF RIGHT-OF-WAY
STAGING AREA

PROJECT ADJ 060 ***
PARSON STAGING AREA
OFF RIGHT-OF-WAY
STAGING AREA

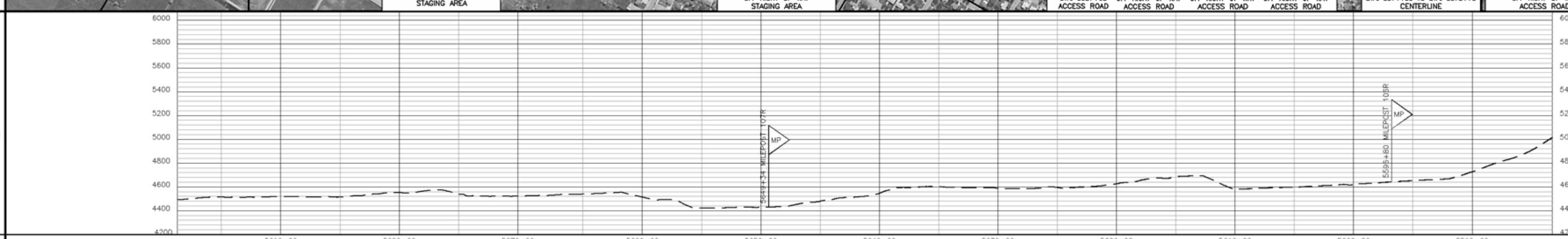
PROJECT ADJ 060 ***
ROCKY MOUNTAIN POWER VARIATION ***
STA. 5542+52 TO STA. 5749+62
REROUTE & EXTRA WORKSPACE

B-2O	B-1RMP	B-2RMP	B-2K
STA. 5564+35	STA. 5565+85	STA. 5602+09	STA. 5633+81
ACCESS ROAD	ACCESS ROAD	ACCESS ROAD	ACCESS ROAD
B-5RMP	B-3RMP	B-4RMP	B-2S ***
STA. 5637+08	OFF RIGHT-OF-WAY	OFF RIGHT-OF-WAY	OFF RIGHT-OF-WAY
ACCESS ROAD	ACCESS ROAD	ACCESS ROAD	ACCESS ROAD

PROJECT ADJ 164
USFS CORNER
STA. 5574+55 TO STA. 5575+75
CENTERLINE

PROJECT ADJ 059
B-2AA
OFF RIGHT-OF-WAY
ACCESS ROAD

PROFILE



MATERIAL

	5670+00 to 5563+00
PIPE CODE (SEE TABLE)	10700' (P4)
PIPELINE	
PIPESAKS	
COATING CODE (SEE TABLE)	10700' (C1)
DESIGN FACTOR	.50
CLASS LOCATION	CLASS III
DESIGN PRESSURE	1440

OWNERSHIP

LL NO.	OWNERSHIP
2119	BEECHER BROTHERS INVESTMENT CO, INC.
2120	STEED FAMILY TRUST
2122	DON K. COOL, ETAL
2123	JOANNE A. COPPIN, ETAL
2124	PACIFICORP
2125	JOHN W. PARSON, ETAL
2127	LORNA E RAVENBERG
2128	KOTTER CANYON ESTATES, LLC
2129	OTINEL C. & DENISE IANCU REVOCABLE LIVING TRUST
2130	PACIFICORP
2131	BLAINE B. RICHINS, ETAL
2133	DAVID TEA, ETAL

MATERIAL SUMMARY

ITEM	DESCRIPTION	QTY
P4	PIPE,42.00 OD X 0.865 IN WT, DSAW,API 5L GR X-70	10700
C1	PIPE COATING TYPE 1	10700

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
300A-45A	CONSTRUCTION R/W PLAN
300A-45B	CONSTRUCTION R/W PLAN
300Z-9	TYPICAL OPEN CUT ROAD CROSSING
300Z-10	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.

*** SUBJECT TO ENVIRONMENTAL AND CULTURAL REPORTS.

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 12, US FOOT

REVISIONS

NO.	DATE	BY	DESCRIPTION	PROJ. ID	APPR.
C	3/18/10	JDK	IMPLEMENTATION FILING	128575	JJJ
B	7/10/09	JDK	ISSUE FOR FERC FILING	128575	JJJ
A	1/26/09	JDK	ISSUE FOR FERC FILING	128575	JJJ

RUBY PIPELINE LLC

ALIGNMENT SHEET
RUBY PIPELINE
300A-42 INCH

STA. 5563+00 TO STA. 5690+00

Division: ROCKY MOUNTAIN		Op. Area: ELKO	
State: UTAH		Co./Par.: BOX ELDER	
Section: –	Township: 9N	Range: 1W/2W	
Drafter: JDK	Date: 08/27/08	Project ID: 128575	Type: CIVIL 3D
Chk'd: RJG	Date: 10/15/08	Scale: 1" = 500'	
Appr: JJJ	Date: 12/03/08	Filename: 0300-A-0041	
300A-45		Sheet: 45 of 277	Rev. 0

IMPLEMENTATION PLAN 05/24/2010

Jun 14, 2010 – 11:46AM