ALIGNMENT SHEET — RUBY PIPELINE 300A-42 INCH — STA. 450+00 TO STA. 580+00

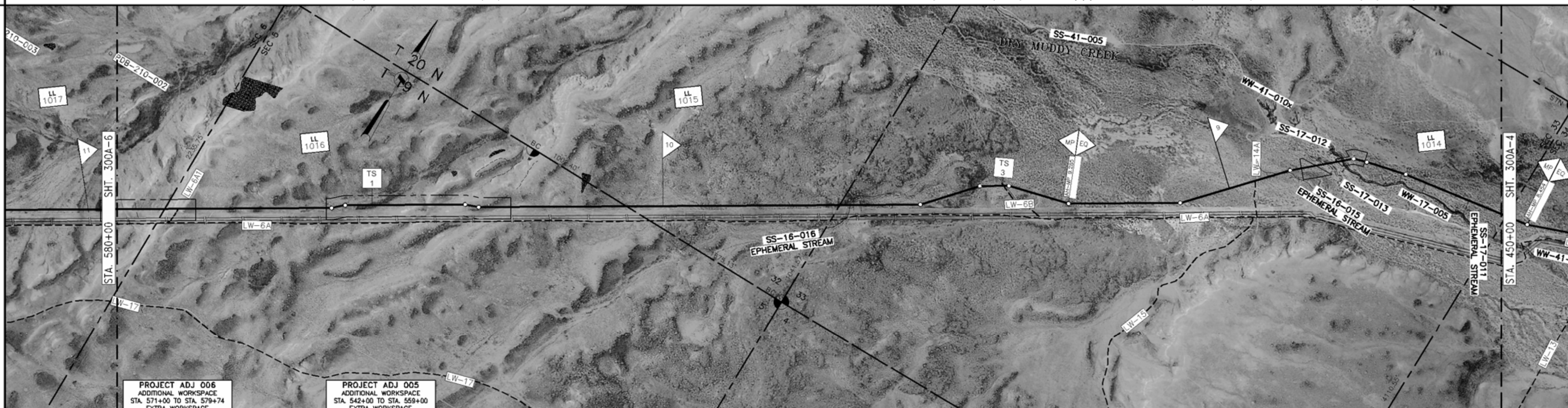
LAND

LINE LIST	1017	1016	1015	1014
LAND PLAT NUMBER				
PIPELINE STATION	583+00	568+85	532+67	511+76 / 450+00
HORIZONTAL DISTANCE	1414 FT	3619 FT	2091 FT	6167 FT

PIPELINE STATIONING

580+00 MATCHLINE
579+74 END 195'W/BGN 115'W TEMP WORK SPACE
578+72 TOE BANK
576+42 TOP BANK
573+80 SECTION LINE
572+60 ACCESS RD LW-6A1
571+00 END 115'W/BGN 195'W TEMP WORK SPACE
559+00 END 195'W/BGN 115'W TEMP WORK SPACE
558+50 P.I. < 11°20'48" RT: GAS PIPELINE 85', 110' & 135' LT
557+22 P.I. < 11°20'45" LT: GAS PIPELINE 108', 133' & 158' LT
554+80 TYPE 1 TEST LEAD
546+20 P.I. < 11°20'22" LT: GAS PIPELINE 108', 133', 158' LT
544+93 P.I. < 11°19'47" RT: GAS PIPELINE 85', 110' & 135'LT
542+00 END 115'W/BGN 195'W TEMP WORK SPACE
531+37 TOWNSHIP LINE
528+00 MILEPOST 10
511+76 SECTION LINE
510+78 DRAINAGE
510+47 END ROCK AREA
509+85 BGN ROCK AREA
504+36 P.I. < 17°00'18" RT: GAS PIPELINE 85', 110' & 135' LT; & BGN REALIGNMENT
499+59 TOP BANK
499+27 TOE BANK
498+64 P.I. < 17°00'17" LT
496+58 TEST LEAD TYPE 3
496+45 ACCESS RD LW-6B
496+28 ROAD
495+97 P.I. < 17°00'07" LT
490+25 ahd < 17°00'17" RT
STATION EQUATION +1'
490+26 bk= END REALIGNMENT & GAS PIPELINE 85', 110' & 135' LT
479+92 P.I. < 16°09'30" RT: GAS PIPELINE 88', 113' & 138' LT; & BGN REALIGNMENT
475+20 MILEPOST 9
472+71 ACCESS RD LW-14A
470+53 DRAINAGE
469+39 P.I. < 6°08'38" LT
468+35 END 195'W/BGN 115'W TEMP WORK SPACE
467+02 END 115'W/BGN 195'W TEMP WORK SPACE
466+08 TOP BANK
465+83 TOE BANK
465+75 TOE BANK
465+68 DRAINAGE
465+60 TOP BANK
464+96 END 75'W(50'L/25'R)BGN 115'W(70'L/45'R) TEMP WORK SPACE
464+71 TOP BANK
464+59 TOE BANK
464+58 END WETLANDS
464+50 DRY MUDDY CREEK, NO DWG
464+38 BGN WETLANDS
464+34 TOE BANK
464+24 TOP BANK
463+71 END 135'W(50'L/85'R)BGN 75'W(50'L/25'R) TEMP WORK SPACE
463+45 P.I. < 24°42'30" LT
462+40 END 115'W(70'L/45'R)BGN 135'W(50'L/85'R) TEMP WORK SPACE
462+18 P.I. < 3°00'47" LT
458+43 P.I. < 5°10'15" LT
450+00 MATCHLINE

ALIGNMENT STRIP MAP



PROFILE

MATERIAL

PIPE CODE (SEE TABLE)	720' (P2)	40' (P3)	3710' (P2)	7041' (P1)	80' (P3)	1410' (P1)
PIPELINE	580+00	572+80 – 572+40 ACCESS RD LW-6A1 SEE DWG 300Z-1	535+30	490+25 ahd STA EQ +1' 490+26 bk=	464+90 – 464+10 DRY MUDDY CK NO DWG	450+00
PIPESAKS						
COATING CODE (SEE TABLE)	11801' (C1)				80' (C3)	1410' (C1)
DESIGN FACTOR	.72	.60	.72	.80	.60	.80
CLASS LOCATION	CLASS I					
DESIGN PRESSURE	1440					

OWNERSHIP

LL NO.	OWNERSHIP	LL NO.	OWNERSHIP
1014	WESTERN WYOMING RANGE LIMITED PARTNERSHIP		
1015	USA-BLM		
1016	WESTERN WYOMING RANGE LIMITED PARTNERSHIP		
1017	USA-BLM		

MATERIAL SUMMARY

ITEM	DESCRIPTION	QTY
P1	PIPE,42.00 OD X 0.541 IN WT, DSAW,API 5L GR X-70	8451
P2	PIPE,42.00 OD X 0.600 IN WT, DSAW,API 5L GR X-70	4430
P3	PIPE,42.00 OD X 0.721 IN WT, DSAW,API 5L GR X-70	120
C1	PIPE COATING TYPE 1	12921
C3	PIPE COATING TYPE 3	80

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-1	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 12, US FOOT

REVISIONS

NO.	DATE	BY	DESCRIPTION	PROJ. ID	APPR.
C	3/18/10	JDK	IMPLEMENTATION FILING	128574	JJJ
B	7/10/09	JDK	ISSUE FOR FERC FILING	128574	JJJ
A	1/26/09	JDK	ISSUE FOR FERC FILING	128574	JJJ

RUBY PIPELINE LLC

ALIGNMENT SHEET
RUBY PIPELINE
300A-42 INCH

STA. 450+00 TO STA. 580+00

Division: ROCKY MOUNTAIN		Op. Area: ELKO	
State: WYOMING		Co./Par.: LINCOLN	
Section: –	Township: 19N/20N	Range: 115W	
Drafter: JDK	Date: 08/27/08	Project ID: 128574	Type: CIVIL 3D
Chk'd: RJG	Date: 10/15/08	Scale: 1" = 500'	
Appr: JJJ	Date: 12/03/08	Filename: 0300-A-0001	
300A-5		Sheet: 5 of277	Rev. 0

IMPLEMENTATION PLAN 05/24/2010

Jun 14, 2010 – 8:45AM