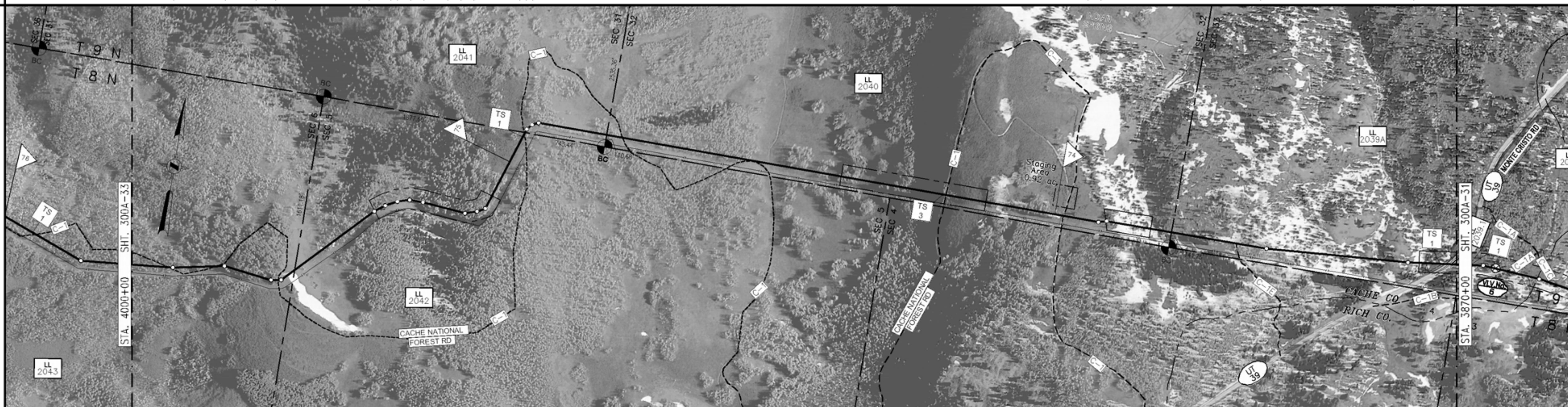
LAND

LINE LIST	2043	2042	2041	2040	2039A	2039.1
PIPELINE STATION	4000+00 – 3984+52	3984+52 – 3956+98	3956+98 – 3949+02	3949+02 – 3896+36	3896+36 – 3872+78	3872+78 – 3870+00
HORIZONTAL DISTANCE	1548 FT	2754 FT	797 FT	5265 FT	2358 FT	278 FT

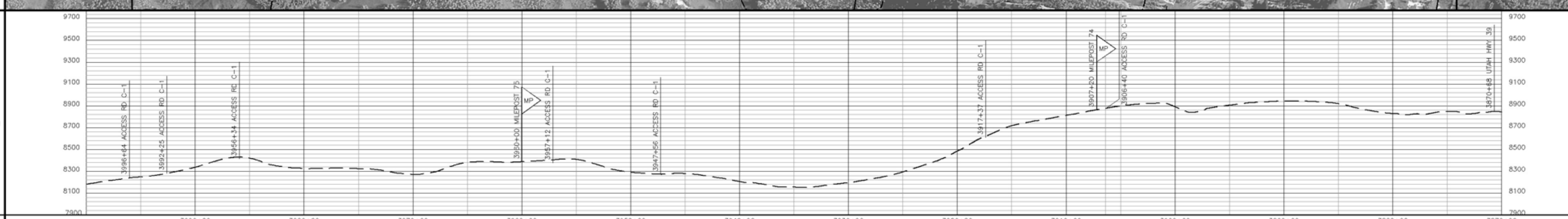
PIPELINE STATIONING

4000+00 MATCHLINE
3996+64 ACCESS RD C-1
3996+20 P.I. < 5.51'42" RT & GAS PIPELINE 76'LT
3992+25 ACCESS RD C-1
3991+47 P.I. < 18.17'47" LT & GAS PIPELINE 75'LT
3987+00 P.I. < 17.07'07" RT & GAS PIPELINE 79'LT
3986+34 ACCESS RD C-1
3986+07 P.I. < 35.35'09" RT & GAS PIPELINE 73'LT
3984+52 SECTION LINE
3975+44 P.I. < 8.57'41" LT
3975+40 END 195'W/BGN 115'W TEMP WORK SPACE
3974+31 P.I. < 8.46'17" LT
3973+14 P.I. < 11.33'08" LT & GAS PIPELINE 74'LT
3972+00 P.I. < 16.37'07" LT
3970+76 P.I. < 5.07'23" LT
3966+77 P.I. < 23.27'31" RT & GAS PIPELINE 78'LT
3965+66 P.I. < 10.28'17" RT & GAS PIPELINE 75'LT
3964+86 P.I. < 43.04'36" RT
3963+58 END 115'W/BGN 195'W TEMP WORK SPACE
3960+00 MILEPOST 75
3957+42 TEST LEAD TYPE 1
3957+12 ACCESS RD C-1
3956+98 TOWNSHIP LINE
3956+64 P.I. < 22.40'38" LT & GAS PIPELINE 85'LT
3956+01 P.I. < 22.26'00" LT
3955+39 P.I. < 27.15'12" LT & GAS PIPELINE 79'LT
3949+02 SECTION LINE
3947+56 ACCESS RD C-1
3927+17 END 195'W/BGN 115'W TEMP WORK SPACE
3917+67 TEST LEAD TYPE 3
3917+37 ACCESS RD C-1
3913+67 END 115'W/BGN 195'W TEMP WORK SPACE
3907+20 MILEPOST 74
3906+40 ACCESS RD C-1
3903+16 P.I. < 17.09'35" RT & GAS PIPELINE 78'LT
3902+50 END 195'W/BGN 115'W TEMP WORK SPACE
3902+40 P.I. < 16.53'33" LT & GAS PIPELINE 101'LT
3888+31 END 115'W/BGN 195'W TEMP WORK SPACE
3896+36 SECTION LINE
3890+34 ACCESS RD C-1E
3887+50 P.I. < 4.09'40" RT & GAS PIPELINE 103'LT
3874+45 P.I. < 3.23'55" RT
3873+43 END 195'W/BGN 115'W TEMP WORK SPACE
3872+78 HWY R/W
3871+47 TEST LEAD TYPE 1
3870+68 UT HWY 39, SEE DWG 300Z-25
3870+42 GUARDRAIL
3870+00 MATCHLINE

ALIGNMENT STRIP MAP



PROFILE



MATERIAL

PIPE CODE (SEE TABLE) / PIPELINE (from STA. 4000+00 to 3870+00):

Station range	Length	Pipe code	Note	Design factor
4000+00 – 3996+84	316'	P2		.72
3996+84 – 3996+44	40'	P3	ACCESS RD C-1 SEE DWG 300Z-7	.60
3996+44 – 3992+45	399'	P2		.72
3992+45 – 3992+05	40'	P3	ACCESS RD C-1 SEE DWG 300Z-7	.60
3992+05 – 3986+54	551'	P2		.72
3986+54 – 3986+14	40'	P3	ACCESS RD C-1 SEE DWG 300Z-7	.60
3986+14 – 3957+32	2882'	P2		.72
3957+32 – 3956+92	40'	P3	ACCESS RD C-1 SEE DWG 300Z-7	.60
3956+92 – 3947+76	916'	P2		.72
3947+76 – 3947+36	40'	P3	ACCESS RD C-1 SEE DWG 300Z-7	.60
3947+36 – 3917+57	2979'	P2		.72
3917+57 – 3917+17	40'	P3	ACCESS RD C-1 SEE DWG 300Z-7	.60
3917+17 – 3906+60	1057'	P2		.72
3906+60 – 3906+20	40'	P3	ACCESS RD C-1 SEE DWG 300Z-7	.60
3906+20 – 3873+08	3312'	P2		.72
3873+08 – 3871+48	160'	P4	UT HWY 39 SEE DWG 300Z-25	.50
3871+48 – 3870+00	148'	P44		

PIPESAKS: —

COATING CODE (SEE TABLE): 12852' (C1); 148' (C2)

CLASS LOCATION: CLASS I

DESIGN PRESSURE: 1440

OWNERSHIP

LL NO.	OWNERSHIP
2039.1	UTAH DEPARTMENT OF TRANSPORTATION
2039A	INDIAN HILLS, LLC
2040	INDIAN HILLS, LLC
2041	INDIAN HILLS, LLC
2042	USA – CACHE NATIONAL FOREST SERVICE
2043	USA – CACHE NATIONAL FOREST SERVICE

MATERIAL SUMMARY

ITEM	DESCRIPTION	QTY
P2	PIPE,42.00 OD X 0.600 IN WT, DSAW,API 5L GR X-70	12412
P3	PIPE,42.00 OD X 0.721 IN WT, DSAW,API 5L GR X-70	280
P4	PIPE,42.00 OD X 0.865 IN WT, DSAW,API 5L GR X-70	160
P44	PIPE,42.00 OD X 0.865 IN WT, LSAW,API 5L GR X-70	148
C1	PIPE COATING TYPE 1	12852
C2	PIPE COATING TYPE 2	148

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-7	TYPICAL OPEN CUT ROAD CROSSING
300Z-25	PLAN/PROFILE – UT HWY 39

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	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. 3870+00 TO STA. 4000+00

Division: ROCKY MOUNTAIN		Op. Area: ELKO	
State: UTAH		Co./Par.: CACHE	
Section: –	Township: 8N/9N	Range: 4E	
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-0021	

300A-32

Sheet: 32 of 277 Rev. 0

IMPLEMENTATION PLAN 05/24/2010

Jun 14, 2010 – 11:30AM