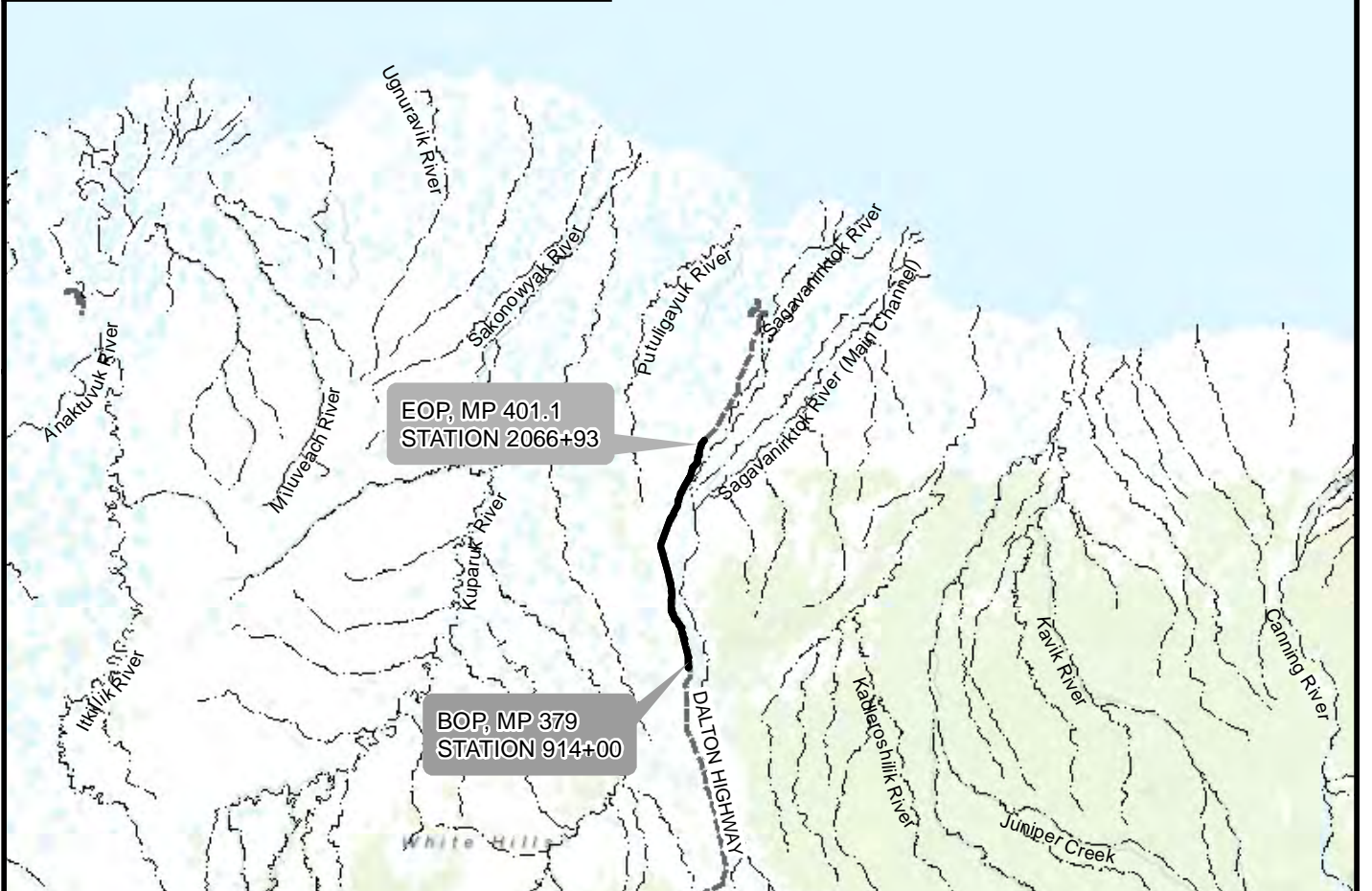


PROJECT LOCATION



**EOP, MP 401.1
STATION 2066+93**

**BOP, MP 379
STATION 914+00**

<p>STATE OF ALASKA Department of Transportation and Public Facilities 2301 Peger Rd. Fairbanks, AK 99709</p>	
<p>DALTON HWY MP379-401 REHABILITATION PROJECT 63818</p>	
<p>LOCATION & VICINITY</p>	
DATE: APRIL 2015	SHEET: 1

LOCATION:
COPPER RIVER MERIDIAN
T5N R14E SECTIONS 6,7,17,18,20,29,32
T5N R13E SECTION 1
T6N R13E SECTIONS 1,2,12,13,24,25,36
T7N R14E SECTIONS 5,7,8,18,19,30
T8N R14E SECTIONS 21,28,32,33

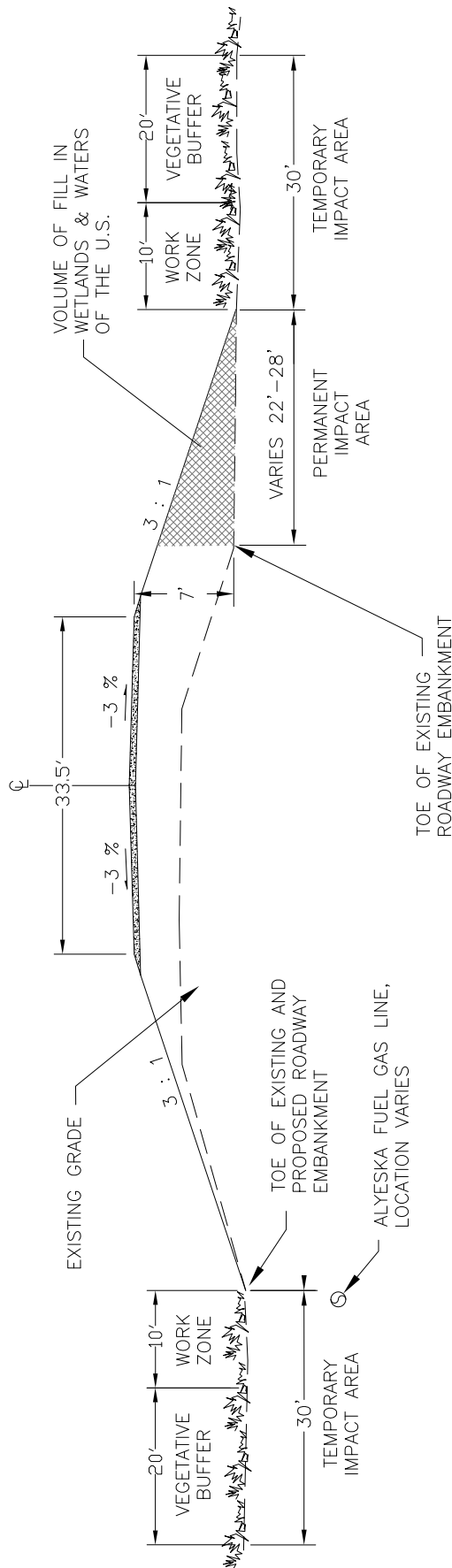
**SUMMARY OF PROPOSED IMPACTS TO
WETLANDS AND WATERS OF THE U.S.**

SUMMARY OF PROJECT IMPACTS				
	Wetlands		Below OHW	
	Area (Acres)	Fill (CY)	Area (Acres)	Fill (CY)
Roadway Embankment MP 379-401.1	88	752,000	0	0
Culverts	0	0	0.18	572
Temporary Impacts (Work Zone + Veg Buffer)	160	0	0	0
TOTAL	248	752,000	0.18	572

*SUMMARY OF PROPOSED MATERIAL SITE IMPACTS		
<i>Material Site #</i>	<i>Wetlands</i>	
	<i>Area (Acres)</i>	<i>Volume (CY)</i>
Material Site 65-9-040-2	101.6	2,000,000 Excavation / 36,500 Fill
Material Site 65-9-024-2	47.5	2,000,000 Excavation / 23,000 Fill
Material Site 65-9-099-2	116.1	3,000,000 Excavation / 34,000 Fill
TOTAL	265.2	

SHEET SUMMARY	
Sheet #	Name
1	LOCATION & VICINITY
2	SUMMARY OF PROJECT IMPACTS
3	TYPICAL SECTION A
4	TYPICAL SECTION B
5	TYPICAL SECTION C
6	PLAN VIEW SUMMARY
7-39	PLAN VIEW DETAIL
40	MS 65-9-024-2 DETAIL
41	MS 65-9-024-2 SECTION X-X'
42	MS 65-9-024-2 SECTION Y-Y'
43	MS 65-9-040-2 DETAIL
44	MS 65-9-040-2 SECTION X-X'
45	MS 65-9-040-2 SECTION Y-Y'
46	MS 65-9-099-2 DETAIL
47	MS 65-9-099-2 SECTION X-X'
48	MS 65-9-099-2 SECTION Y-Y'
49	MATERIAL SITE ACCESS ROAD TYPICAL SECTION
50	CULVERT SUMMARY
51	NON-FISH PASSAGE CULVERT DETAIL
52	FISH PASSAGE CULVERT DETAIL

STATE OF ALASKA Department of Transportation and Public Facilities 2301 Peger Rd. Fairbanks, AK 99709
DALTON HWY MP379-401 REHABILITATION PROJECT 63818
SUMMARY OF PROJECT IMPACTS
DATE: APRIL 2015 SHEET: 2

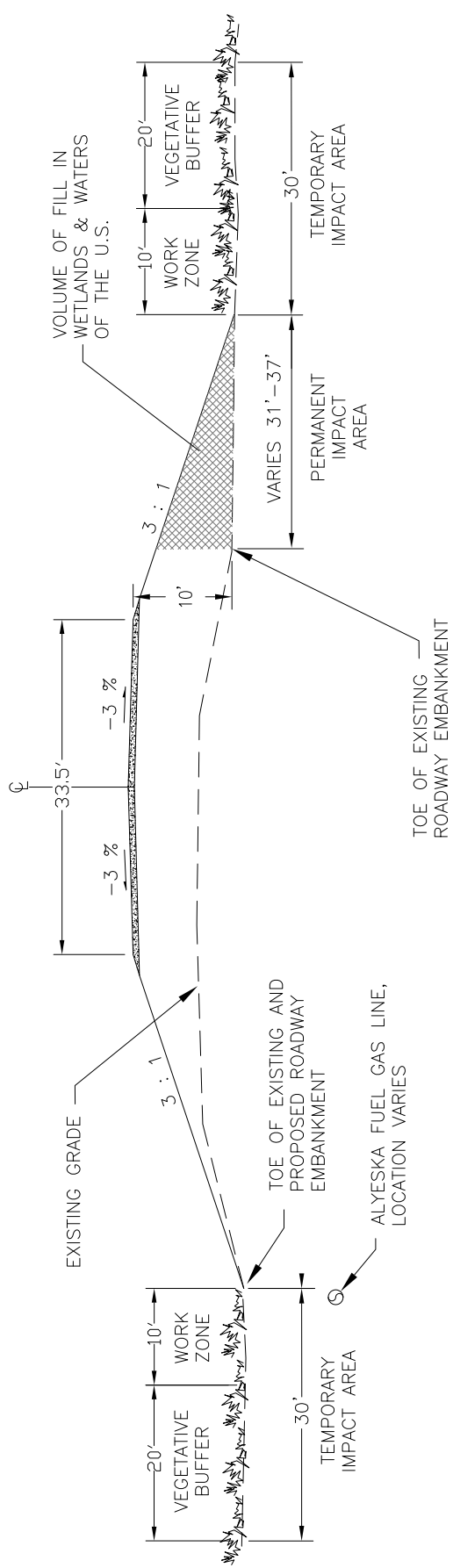


TYPICAL SECTION A
 STA 914+00 - 1600+00
 MP 379.0 - 392.0
 NOT TO SCALE

NOTES:

1. THE TEMPORARY IMPACT AREA EXTENDS 30' ON EITHER SIDE OF THE PERMANENT IMPACT AREA, AND IS DIVIDED INTO TWO SECTIONS; THE WORK ZONE, AND THE VEGETATIVE BUFFER, AS SHOWN ABOVE.
2. WORK WITHIN THE WORK ZONE INCLUDES VEGETATIVE CLEARING (NO GRUBBING), AND EQUIPMENT ACCESS TO ALLOW THE CONTRACTOR ADEQUATE ROOM TO CONSTRUCT EMBANKMENT SLOPES.
3. THE NATURAL VEGETATIVE MAT SHALL BE PRESERVED WITHIN THE VEGETATIVE BUFFER ZONE, AND SHALL SERVE AS A BEST MANAGEMENT PRACTICE (BMP) TO PROTECT SURROUNDING WETLAND AREAS FROM SEDIMENT RUNOFF.

STATE OF ALASKA Department of Transportation and Public Facilities 2301 Peger Rd. Fairbanks, AK 99709	
DALTON HWY MP 379-401 REHABILITATION PROJECT 63818	
TYPICAL SECTION A, MP 379.0 - 392.0	
DATE: APRIL 2015	SHEET: 3

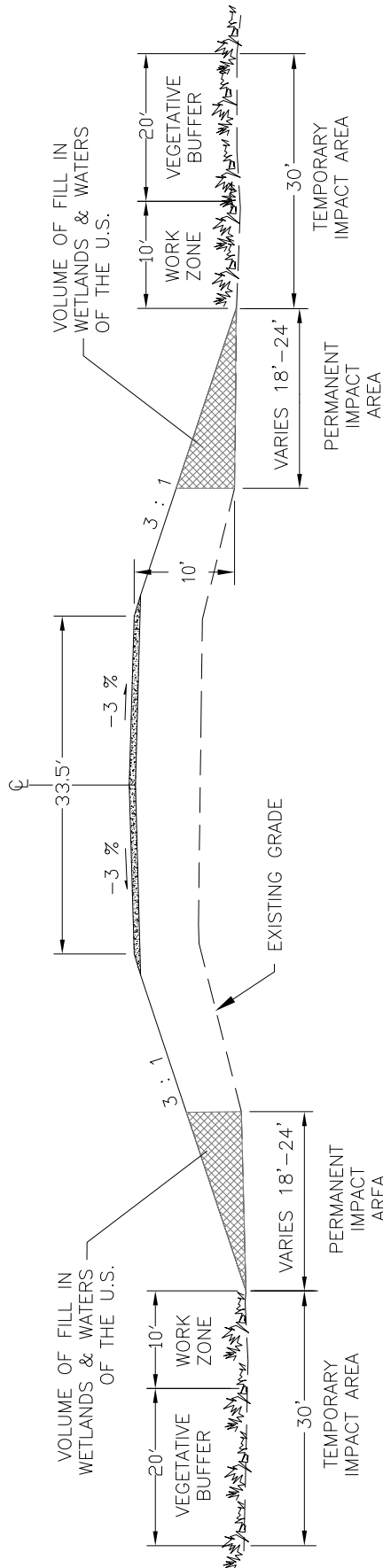


TYPICAL SECTION B
 STA 1600+00 - 1970+00
 MP 392.0 - 399.4
 NOT TO SCALE

NOTES:

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STATE OF ALASKA Department of Transportation and Public Facilities 2301 Peger Rd. Fairbanks, AK 99709	
DALTON HWY MP 379-401 REHABILITATION PROJECT 63818	
TYPICAL SECTION B, MP 392.0 - 399.4	
DATE: APRIL 2015	SHEET: 4



TYPICAL SECTION C
 STA 1970+00 - 2066+93
 MP 399.4 - 401.1
 NOT TO SCALE

NOTES:

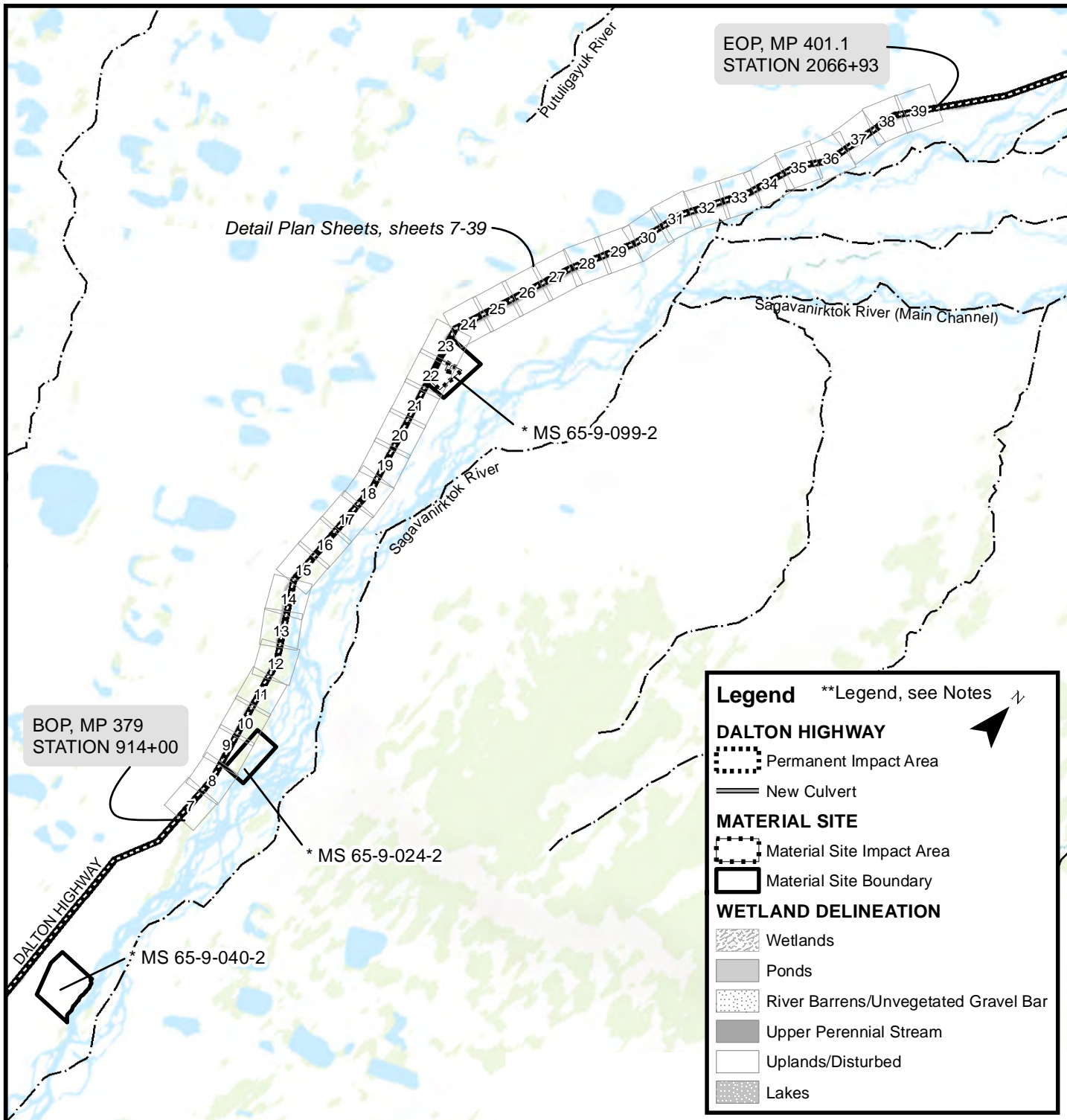
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2. WORK WITHIN THE WORK ZONE INCLUDES VEGETATIVE CLEARING (NO GRUBBING), AND EQUIPMENT ACCESS TO ALLOW THE CONTRACTOR ADEQUATE ROOM TO CONSTRUCT EMBANKMENT SLOPES.
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STATE OF ALASKA
 Department of Transportation and Public Facilities
 2301 Peger Rd. Fairbanks, AK 99709

DALTON HWY MP 379-401
 REHABILITATION PROJECT
 63818

TYPICAL SECTION C, MP 399.4 - 401.1

DATE: APRIL 2015 SHEET: 5



EOP, MP 401.1
STATION 2066+93

Detail Plan Sheets, sheets 7-39

BOP, MP 379
STATION 914+00

* MS 65-9-099-2

* MS 65-9-024-2

MS 65-9-040-2

Legend **Legend, see Notes

DALTON HIGHWAY

- Permanent Impact Area
- New Culvert

MATERIAL SITE

- Material Site Impact Area
- Material Site Boundary

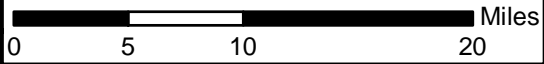
WETLAND DELINEATION

- Wetlands
- Ponds
- River Barrens/Unvegetated Gravel Bar
- Upper Perennial Stream
- Uplands/Disturbed
- Lakes

NOTES:

*See Material Site 65-9-040-2,
Material Site 65-9-024-2, &
Material Site 65-9-099-2
Plan View Detail Sheets

** Legend Applies to Sheets 6 - 40, 43, & 46

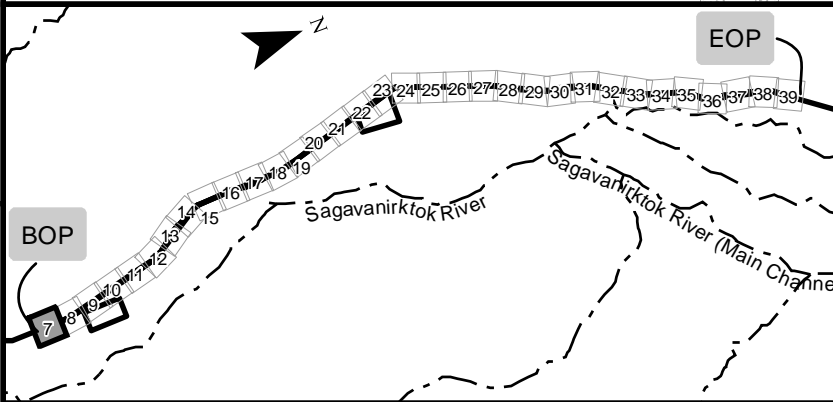
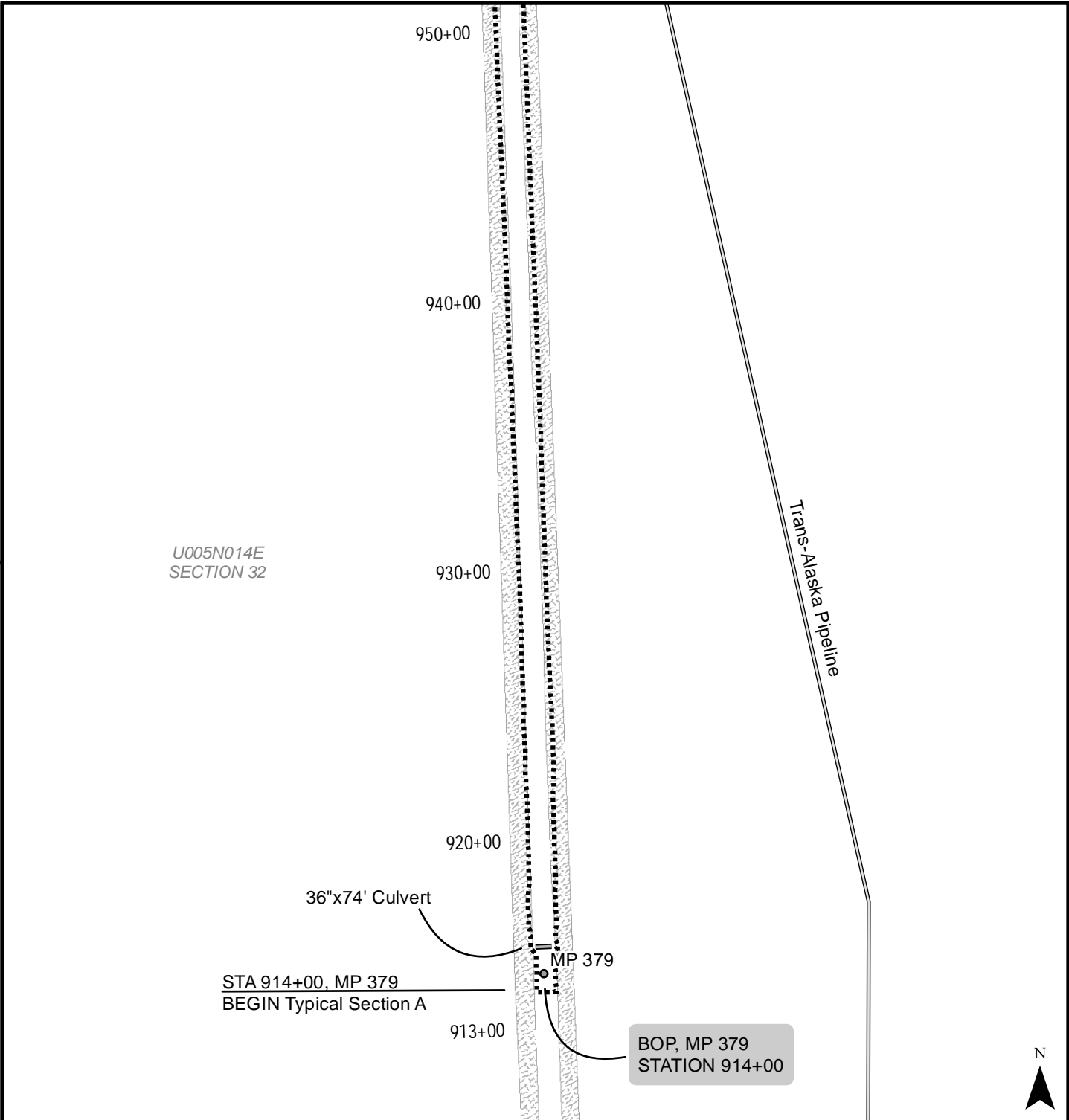


STATE OF ALASKA
Department of Transportation and Public Facilities
2301 Peger Rd. Fairbanks, AK 99709

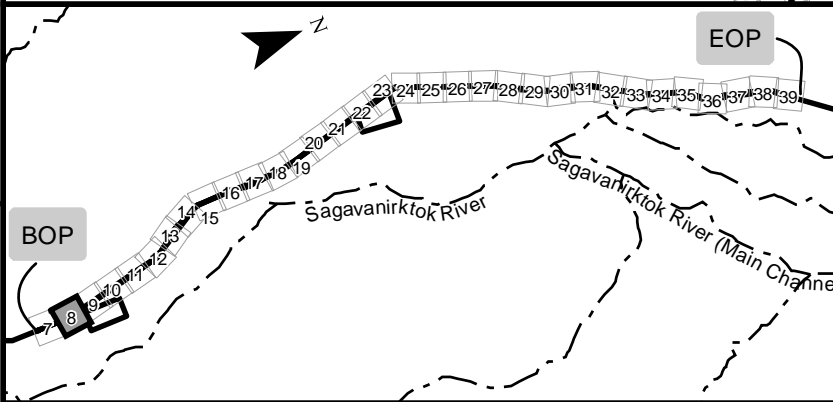
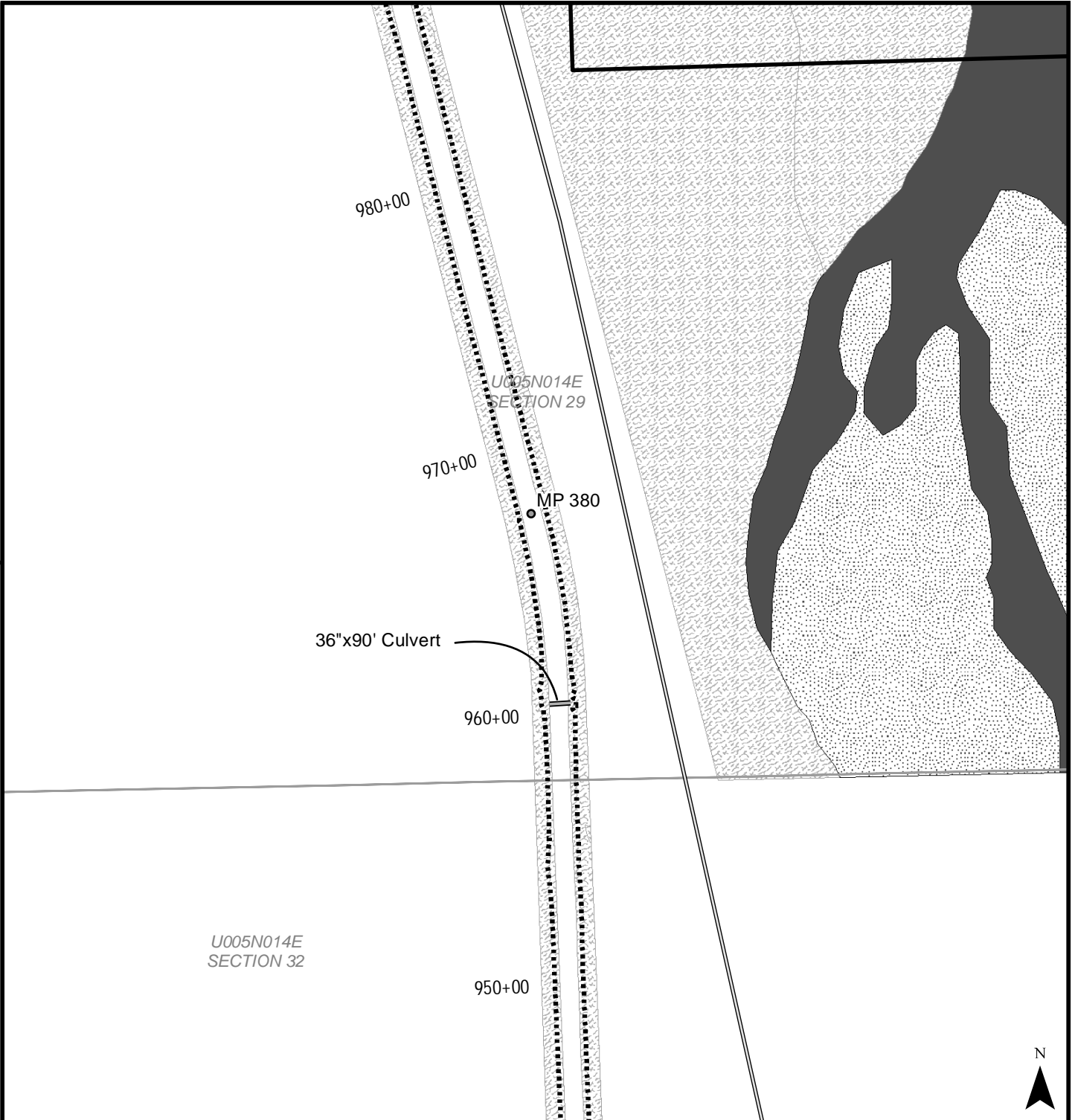
DALTON HWY MP379-401
REHABILITATION PROJECT
63818

PLAN VIEW DETAIL

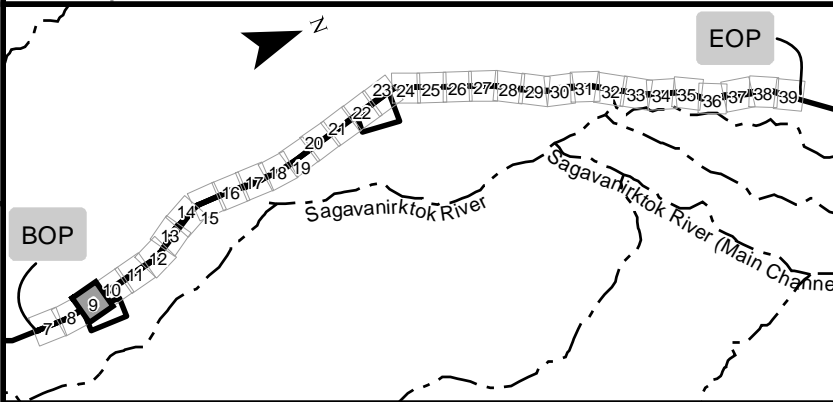
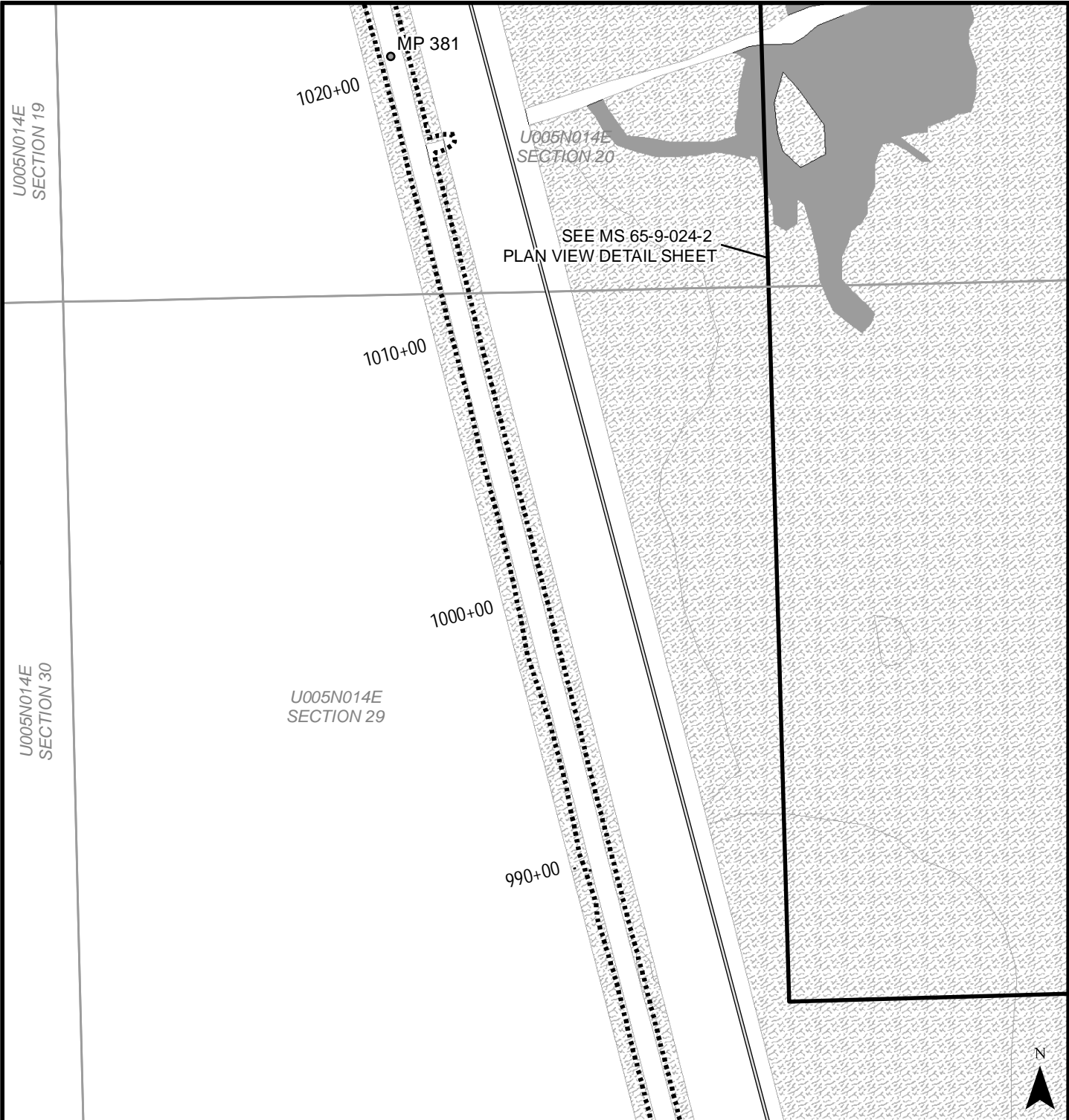
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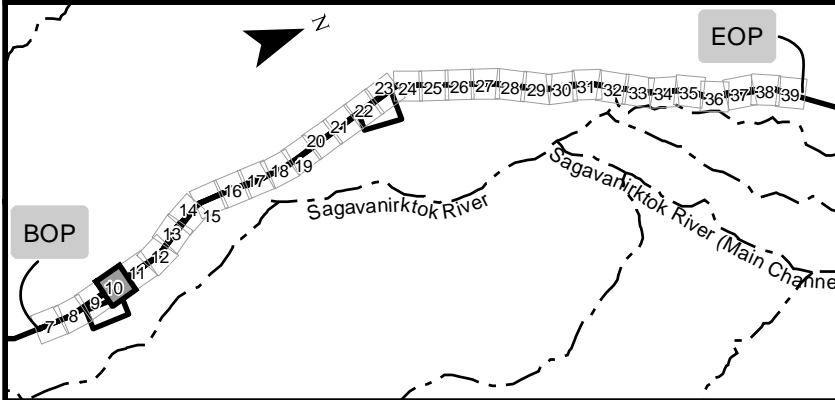
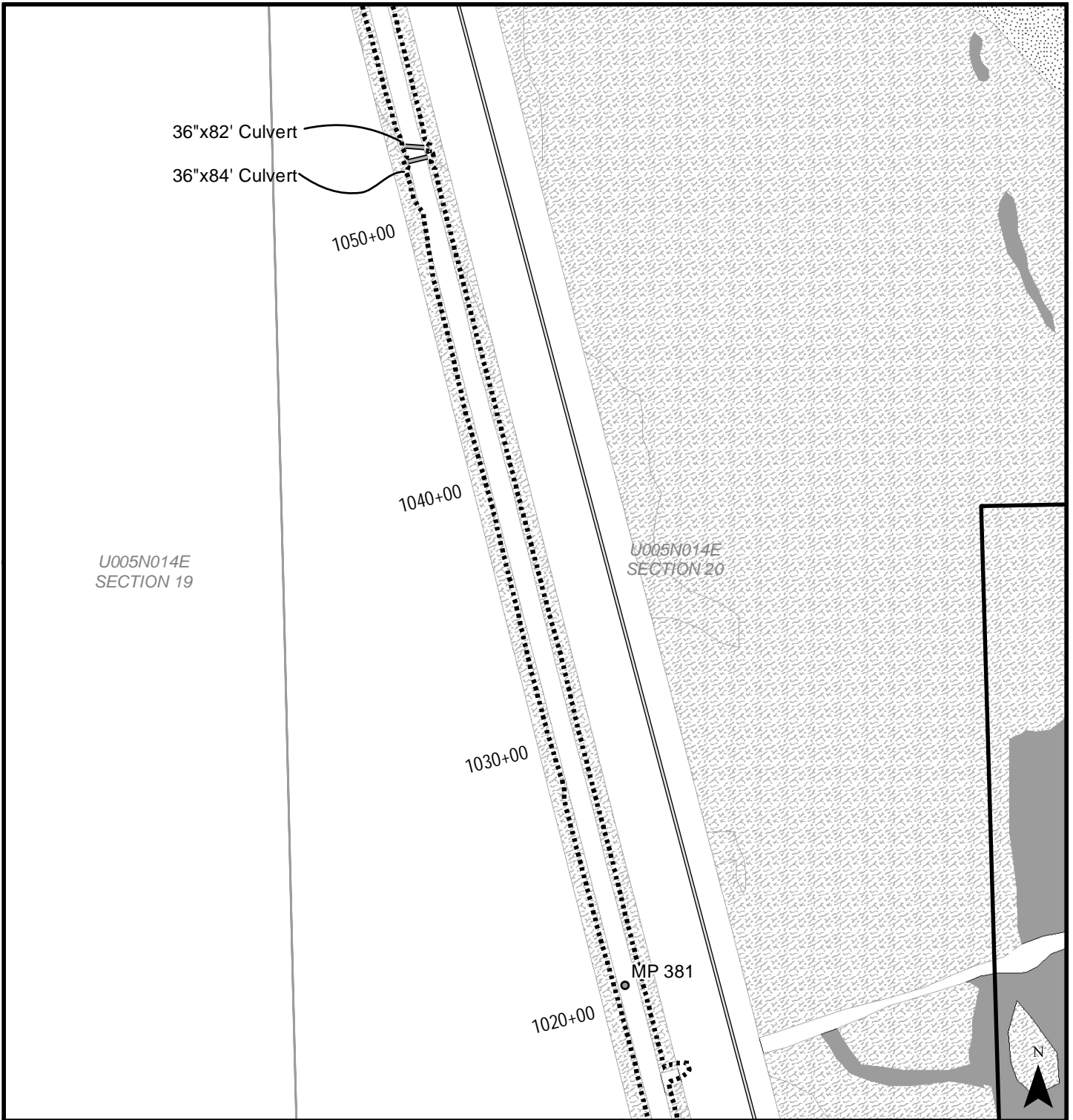
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STATE OF ALASKA Department of Transportation and Public Facilities 2301 Peger Rd. Fairbanks, AK 99709	
DALTON HWY MP379-401 REHABILITATION PROJECT 63818	
PLAN VIEW DETAIL	
DATE: APRIL 2015	SHEET: 7



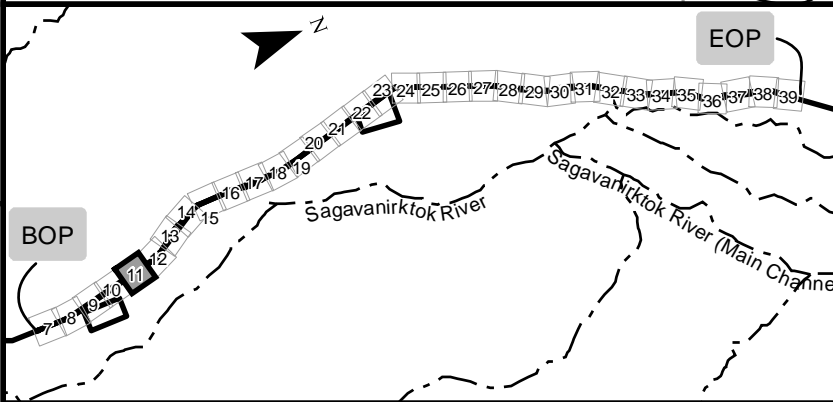
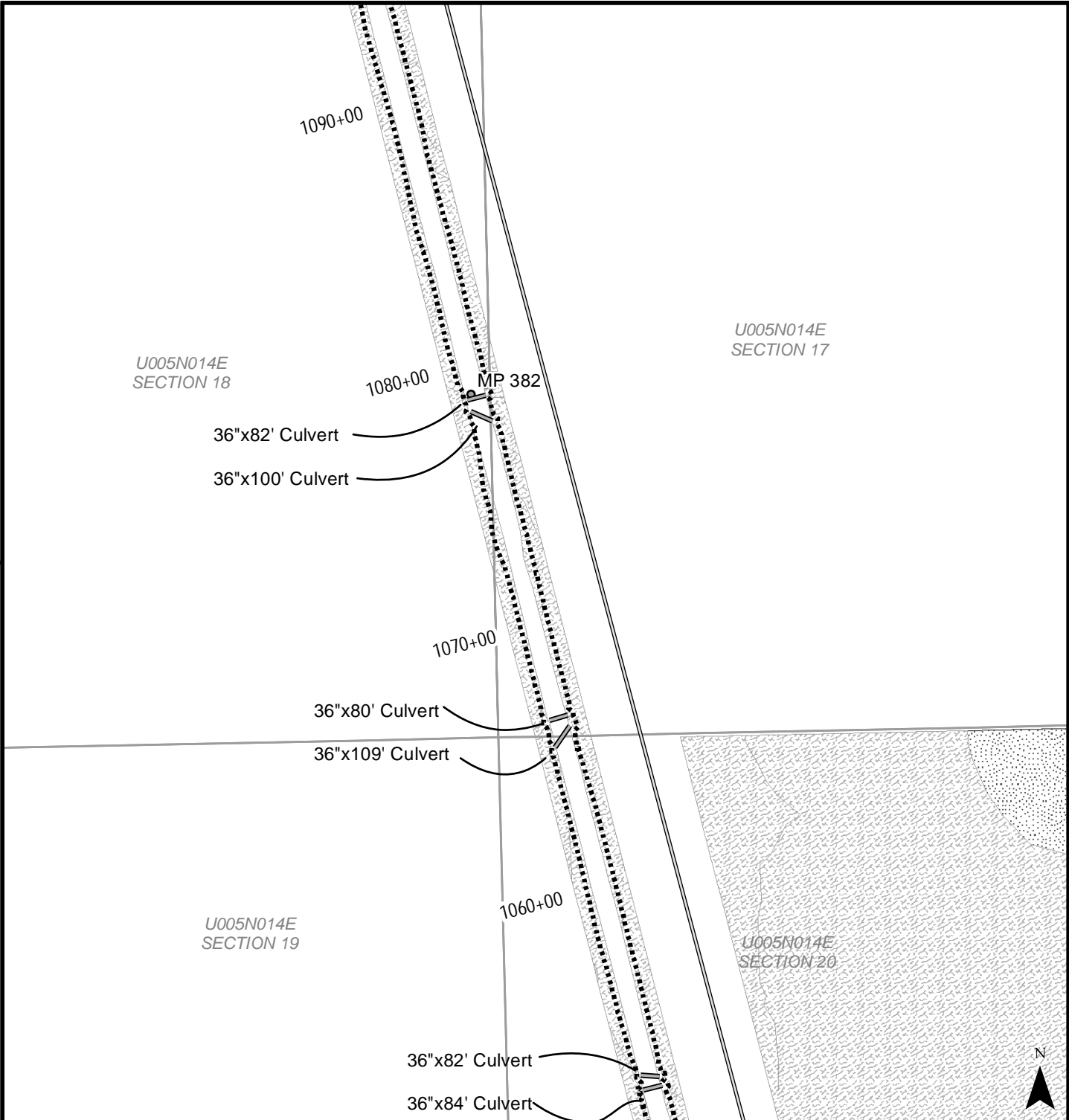
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DALTON HWY MP379-401 REHABILITATION PROJECT 63818	
PLAN VIEW DETAIL	
DATE: APRIL 2015	SHEET: 8



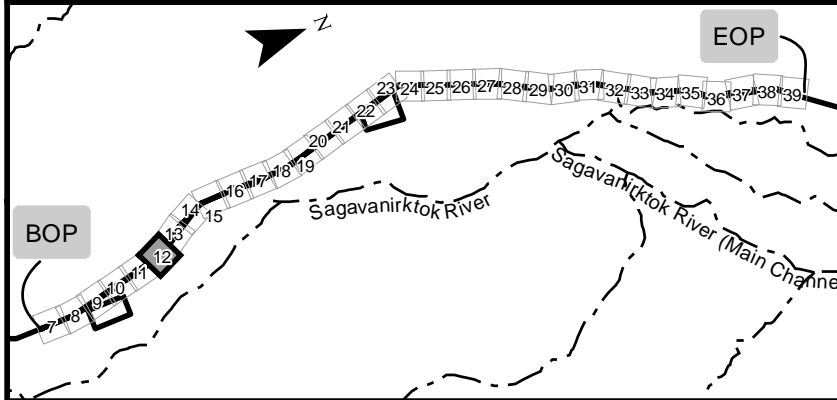
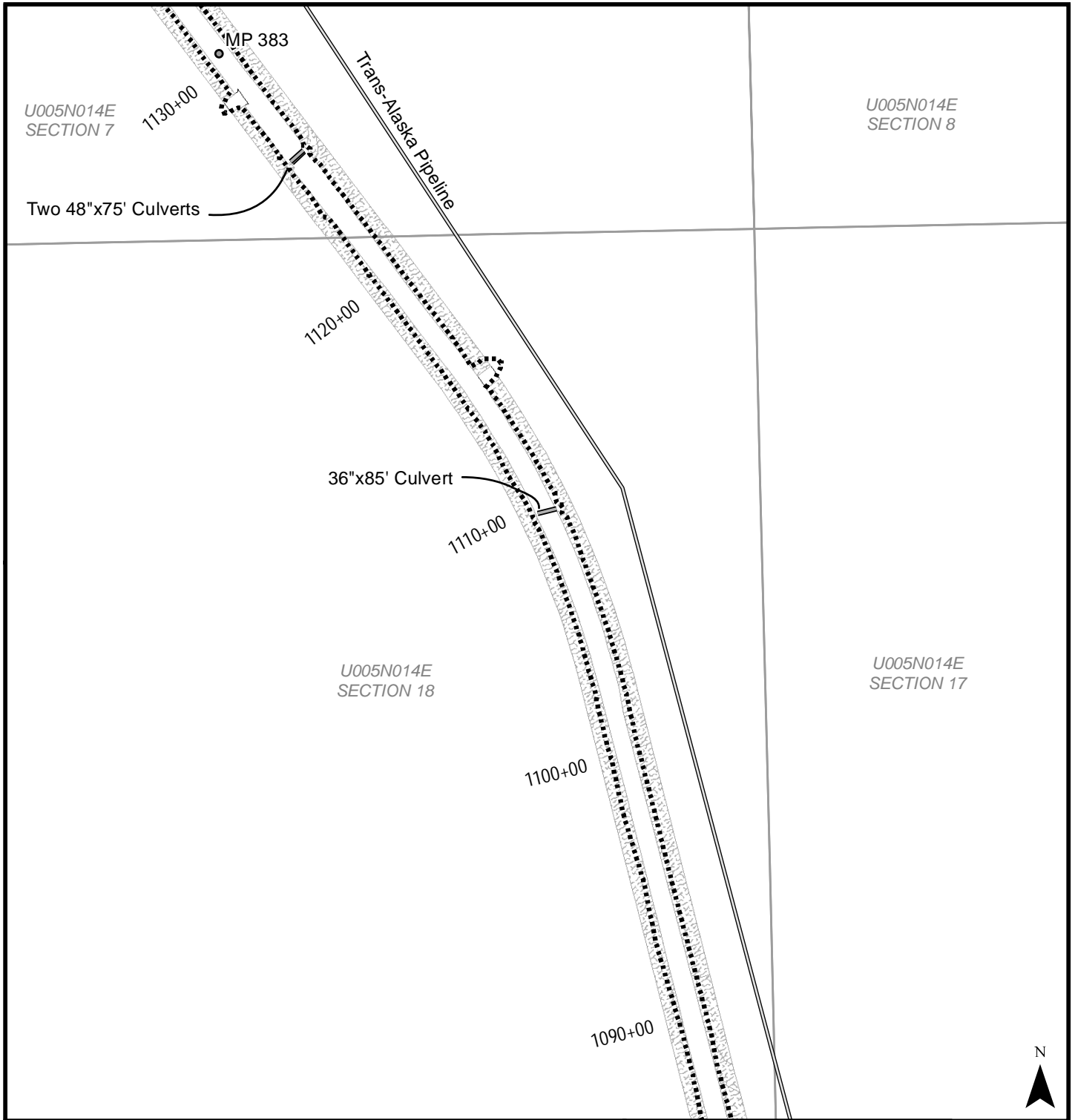
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DALTON HWY MP379-401 REHABILITATION PROJECT 63818	
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DATE: APRIL 2015	SHEET: 9



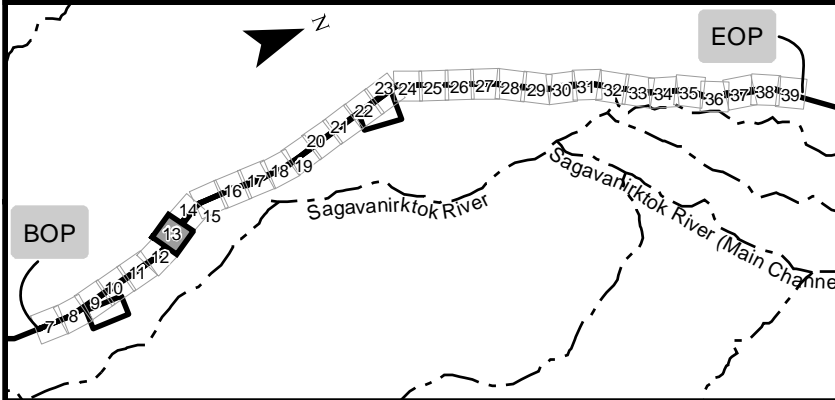
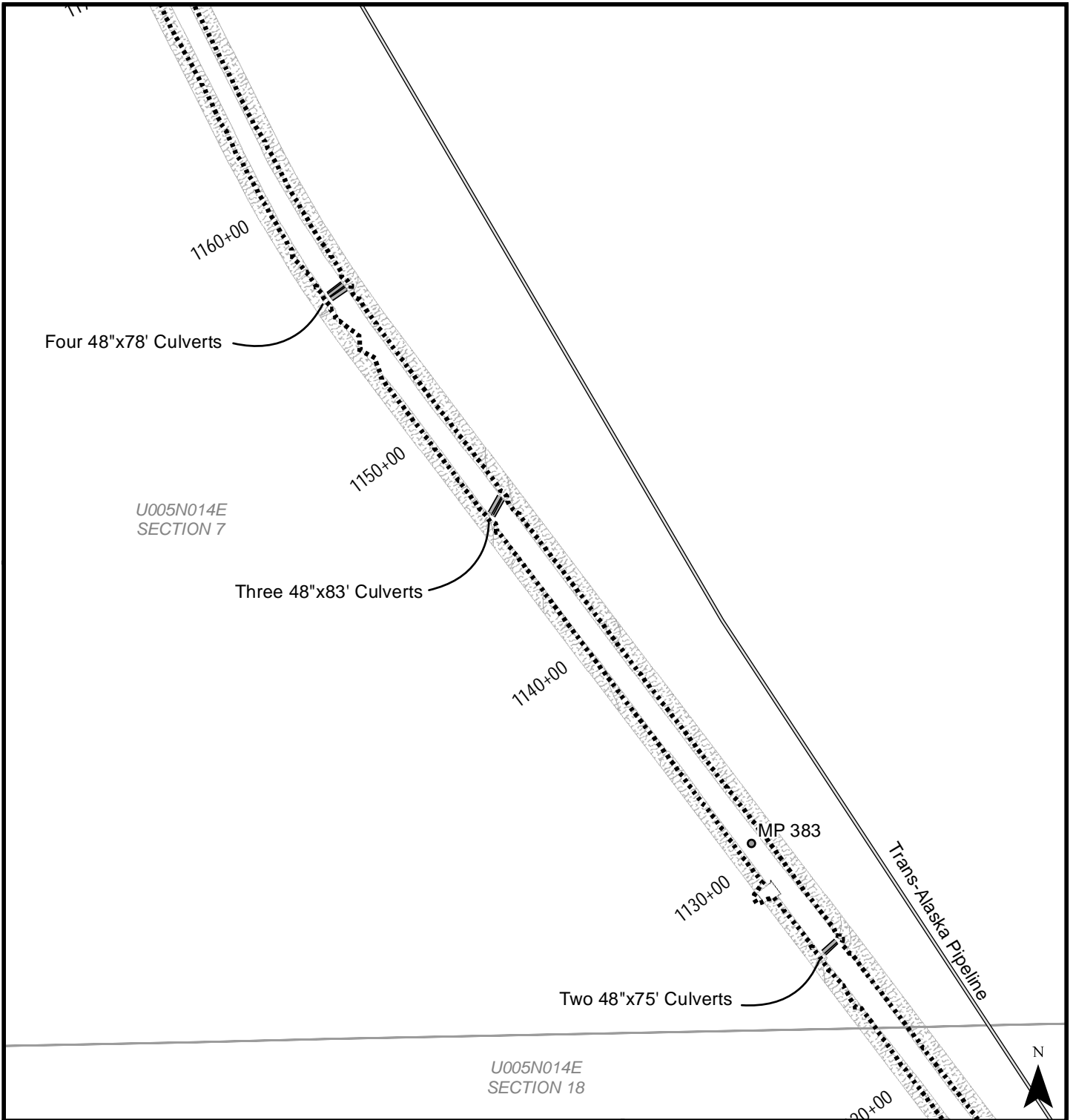
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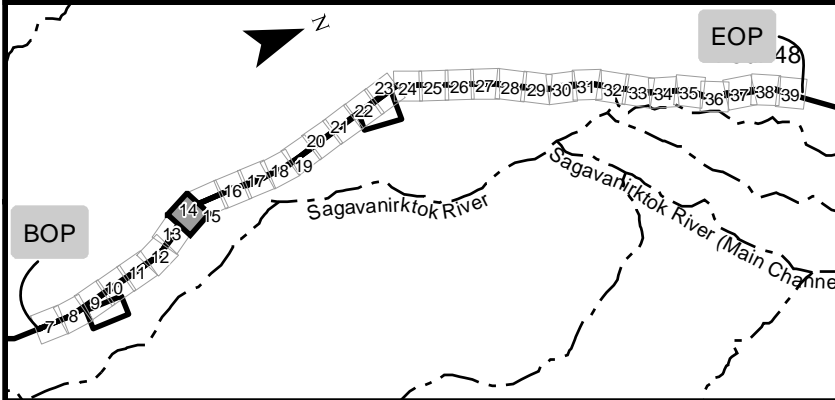
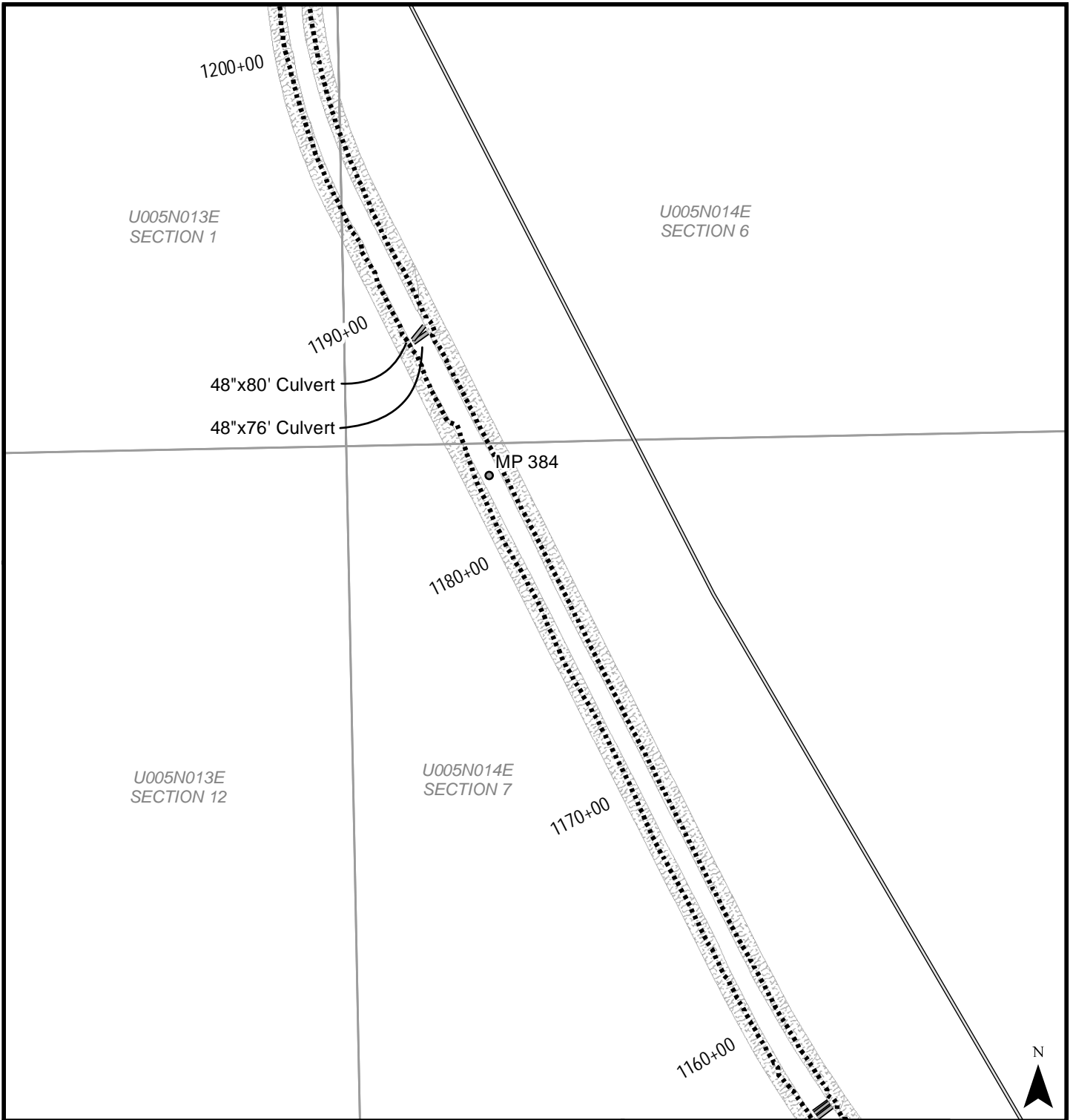
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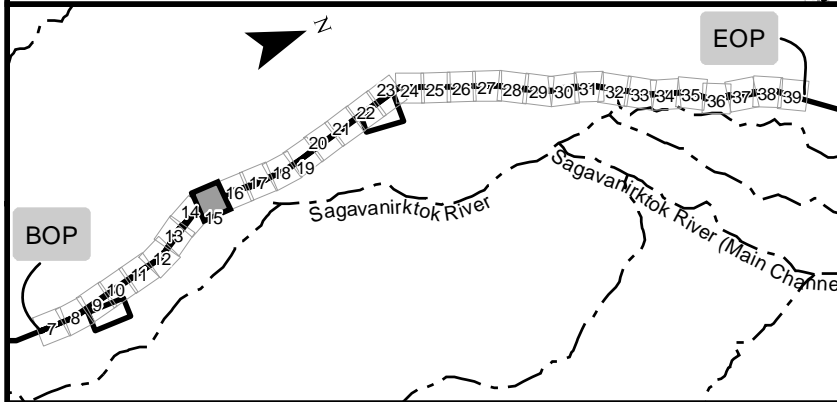
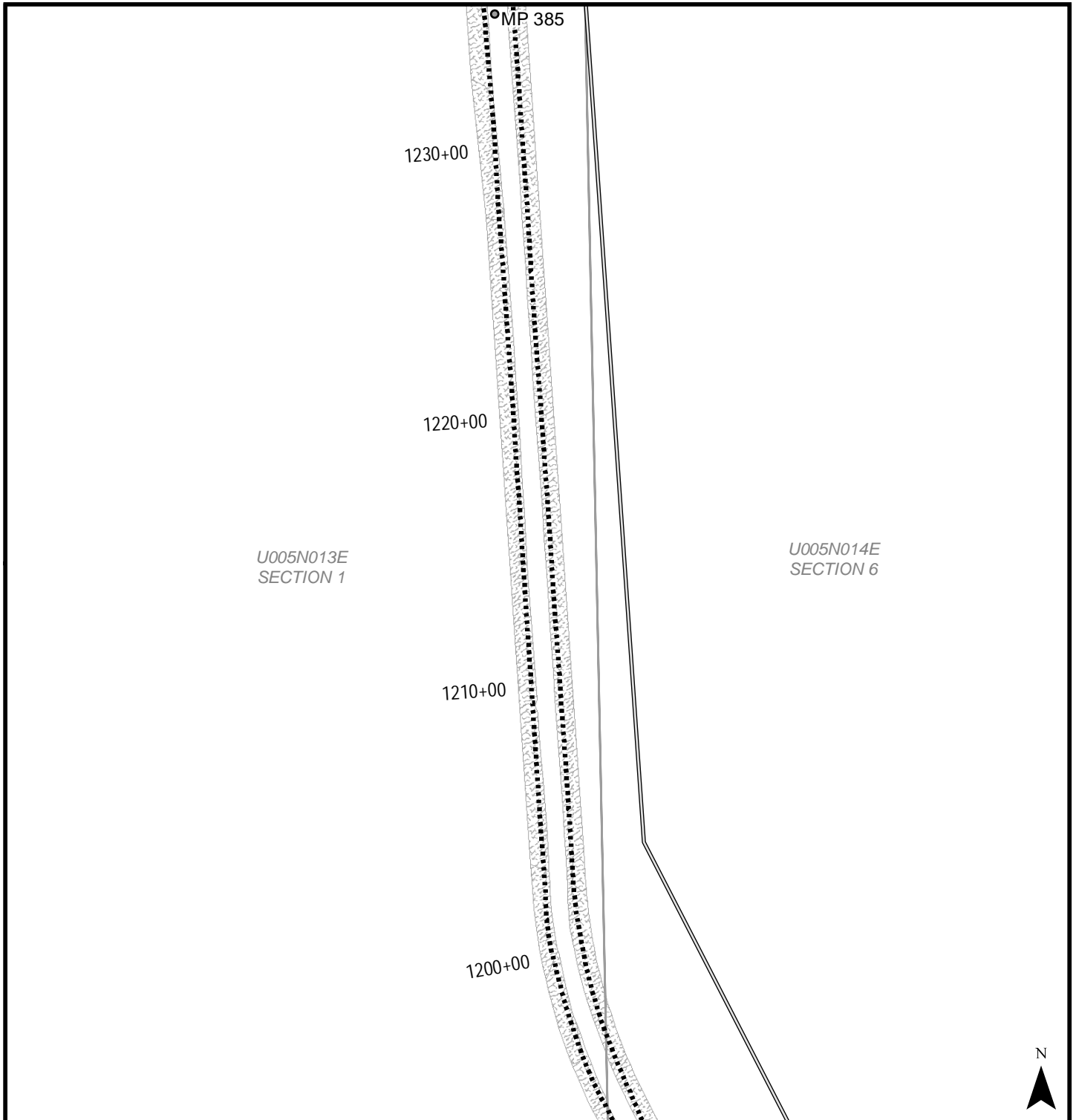
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Department of Transportation and Public Facilities								
2301 Peger Rd. Fairbanks, AK 99709								
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REHABILITATION PROJECT								
63818								
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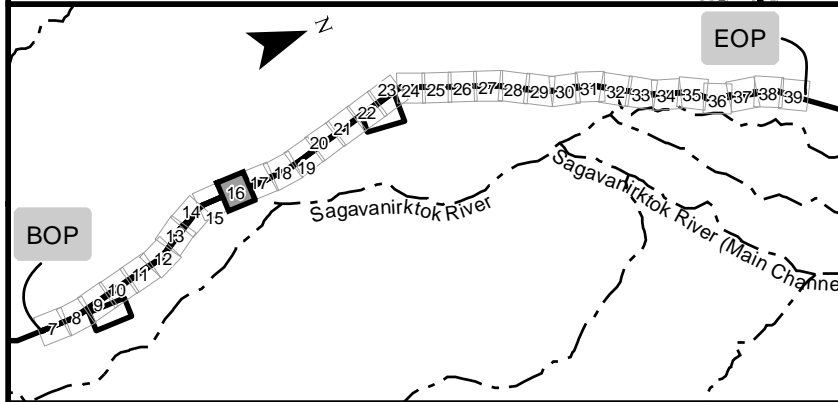
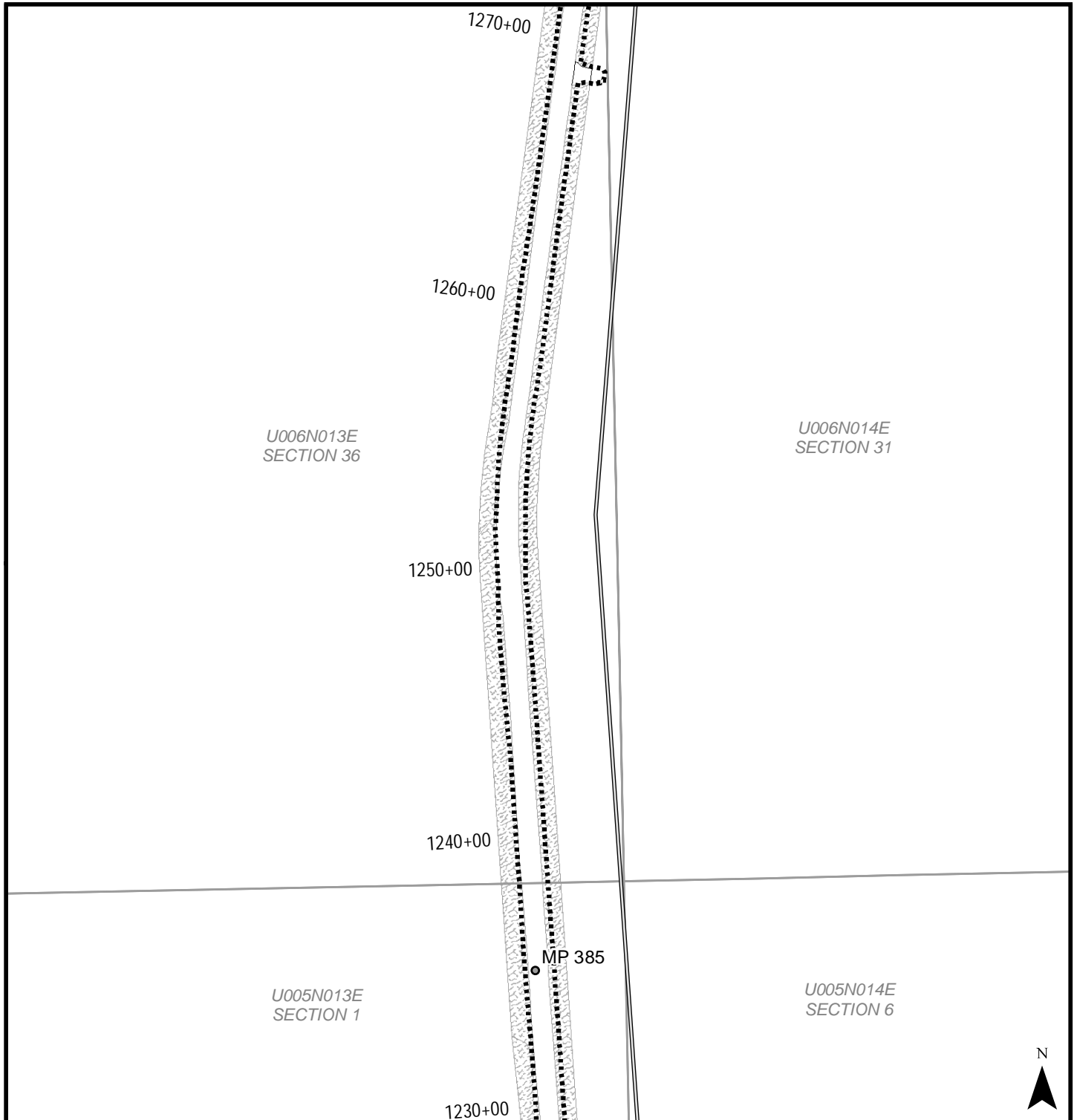
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DATE: APRIL 2015	SHEET: 13



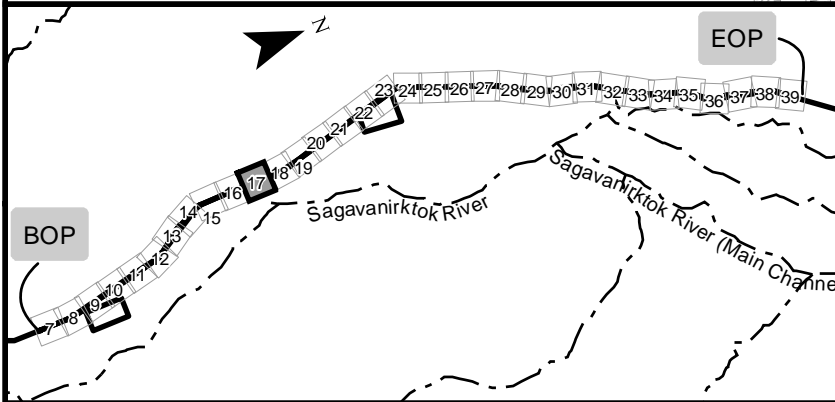
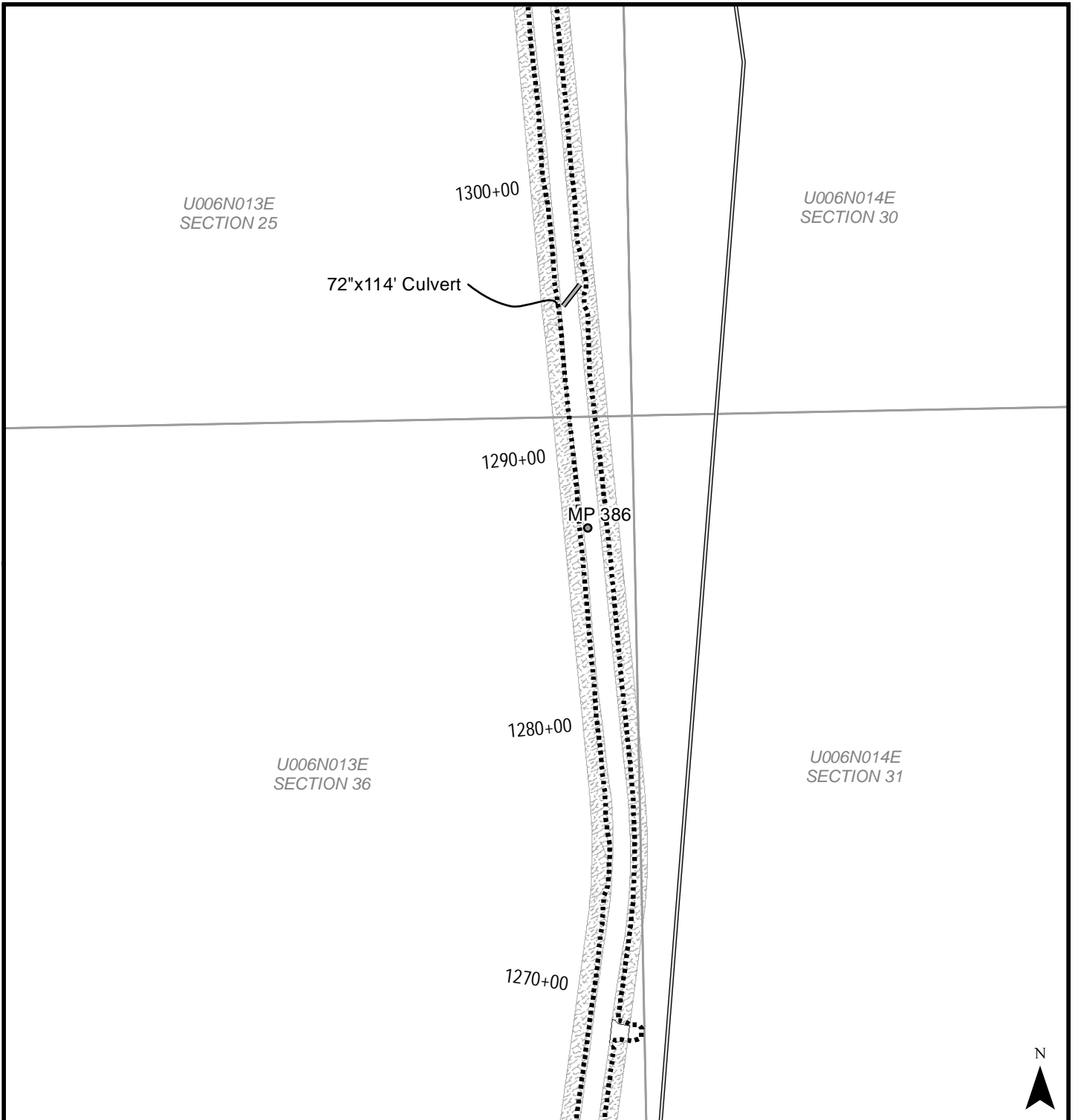
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DATE: APRIL 2015				SHEET:		14		



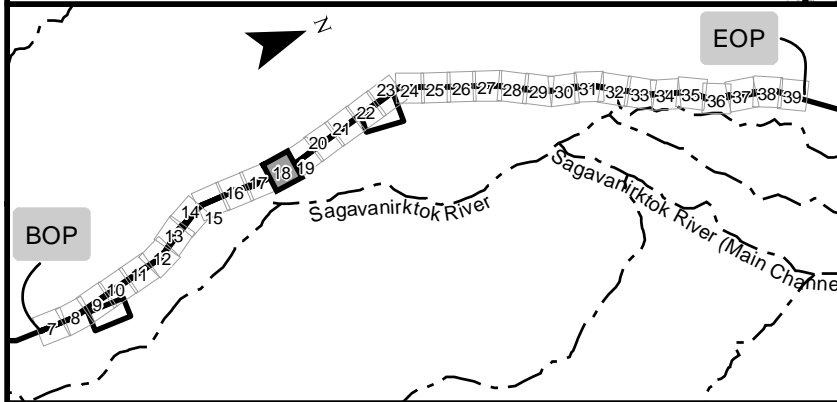
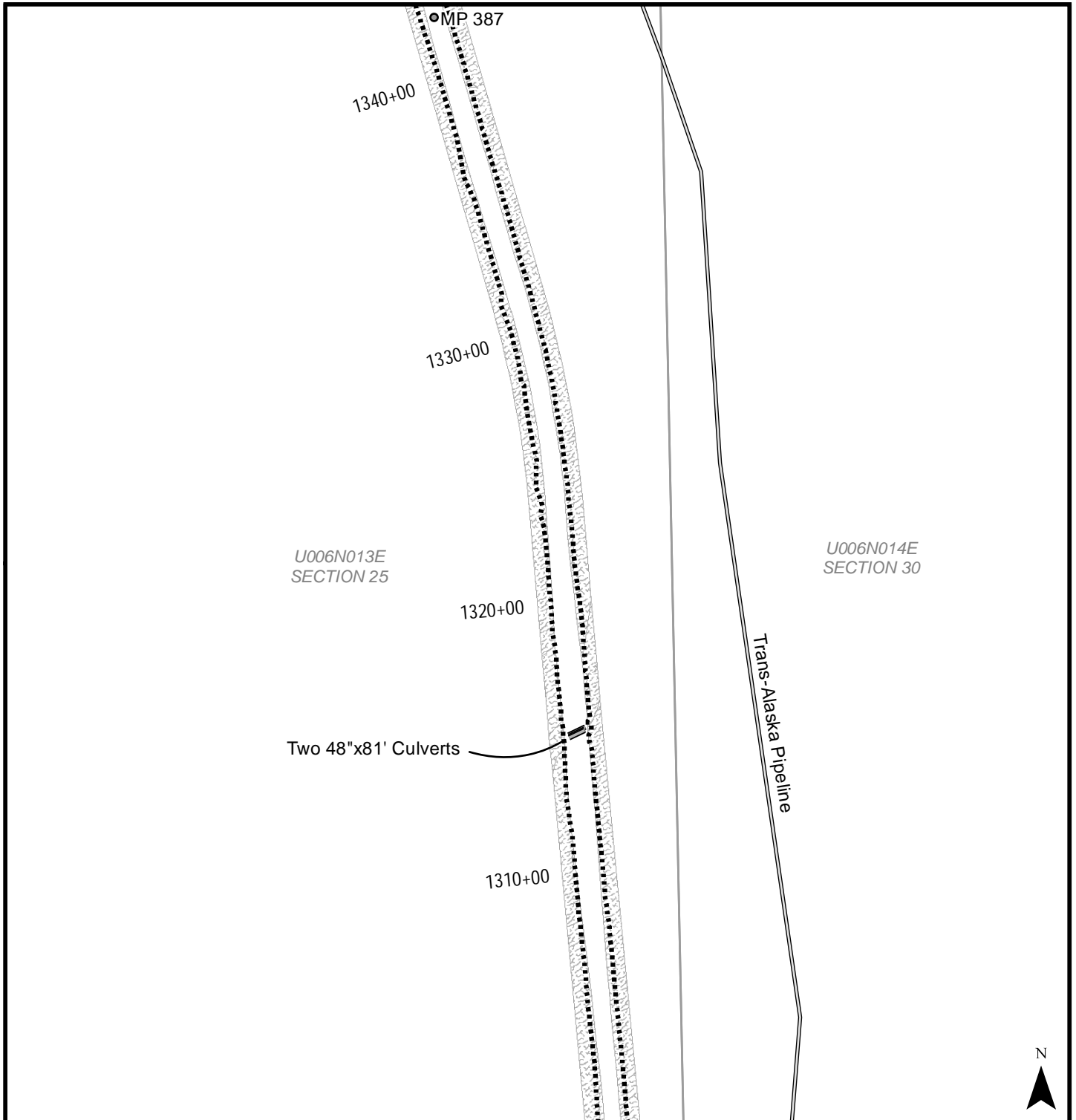
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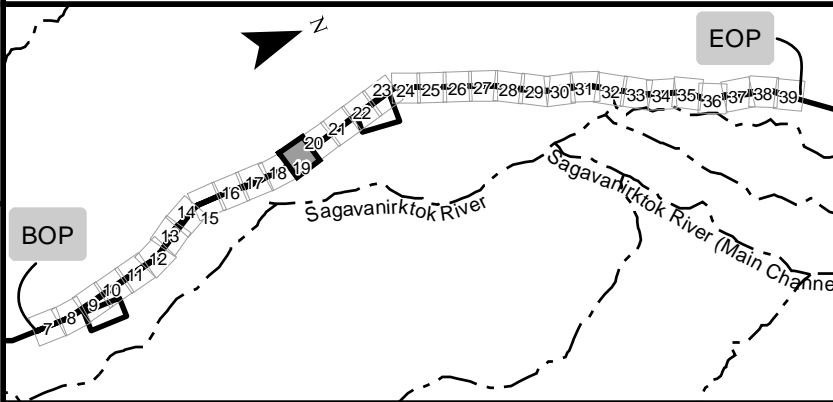
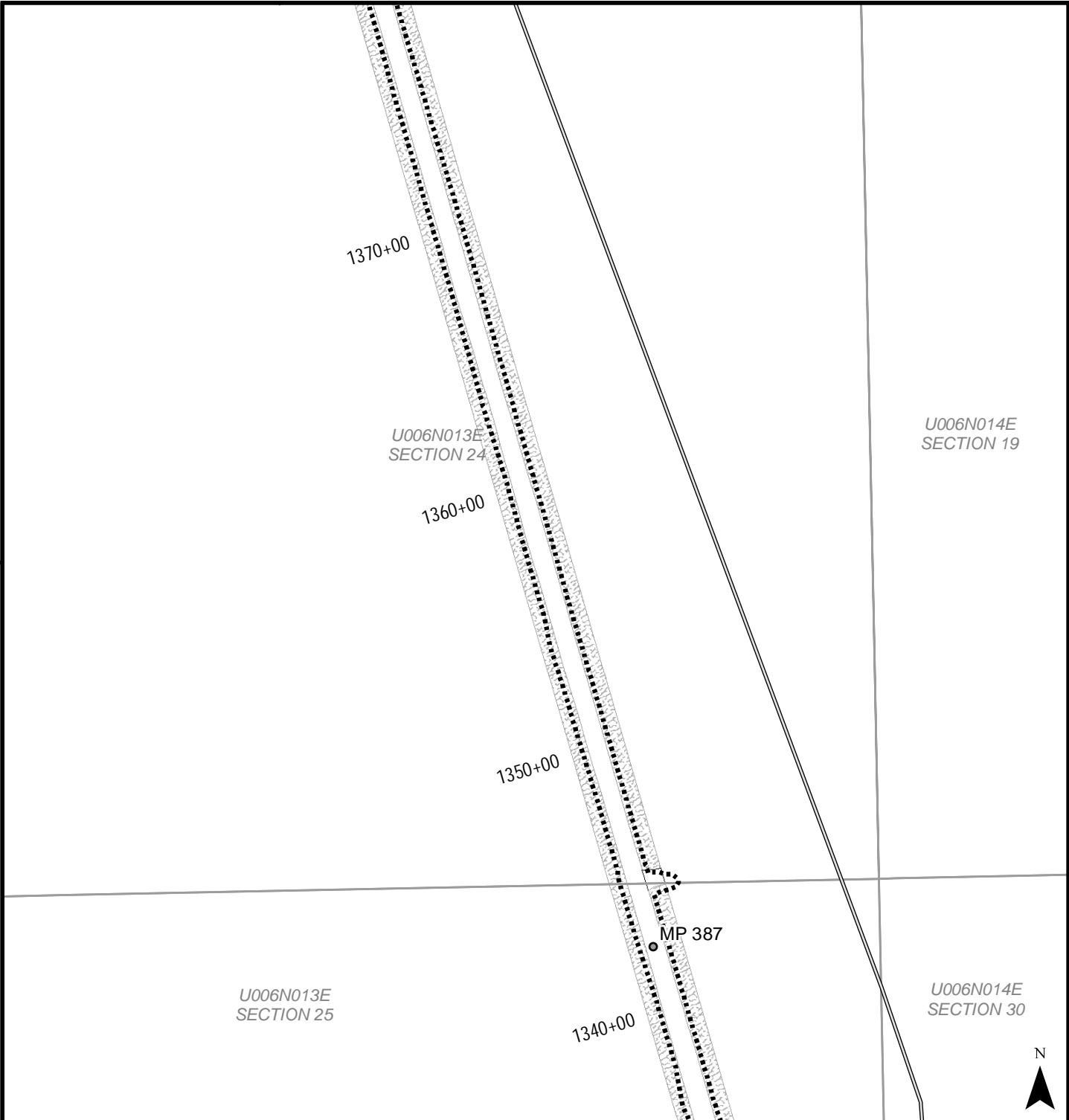
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DATE: APRIL 2015	SHEET: 16



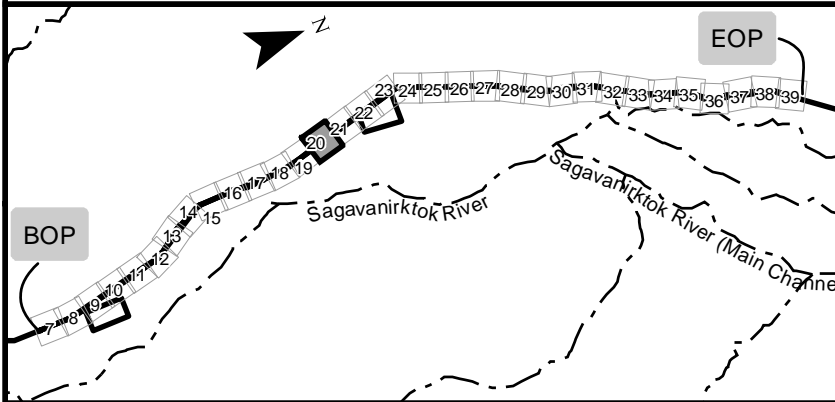
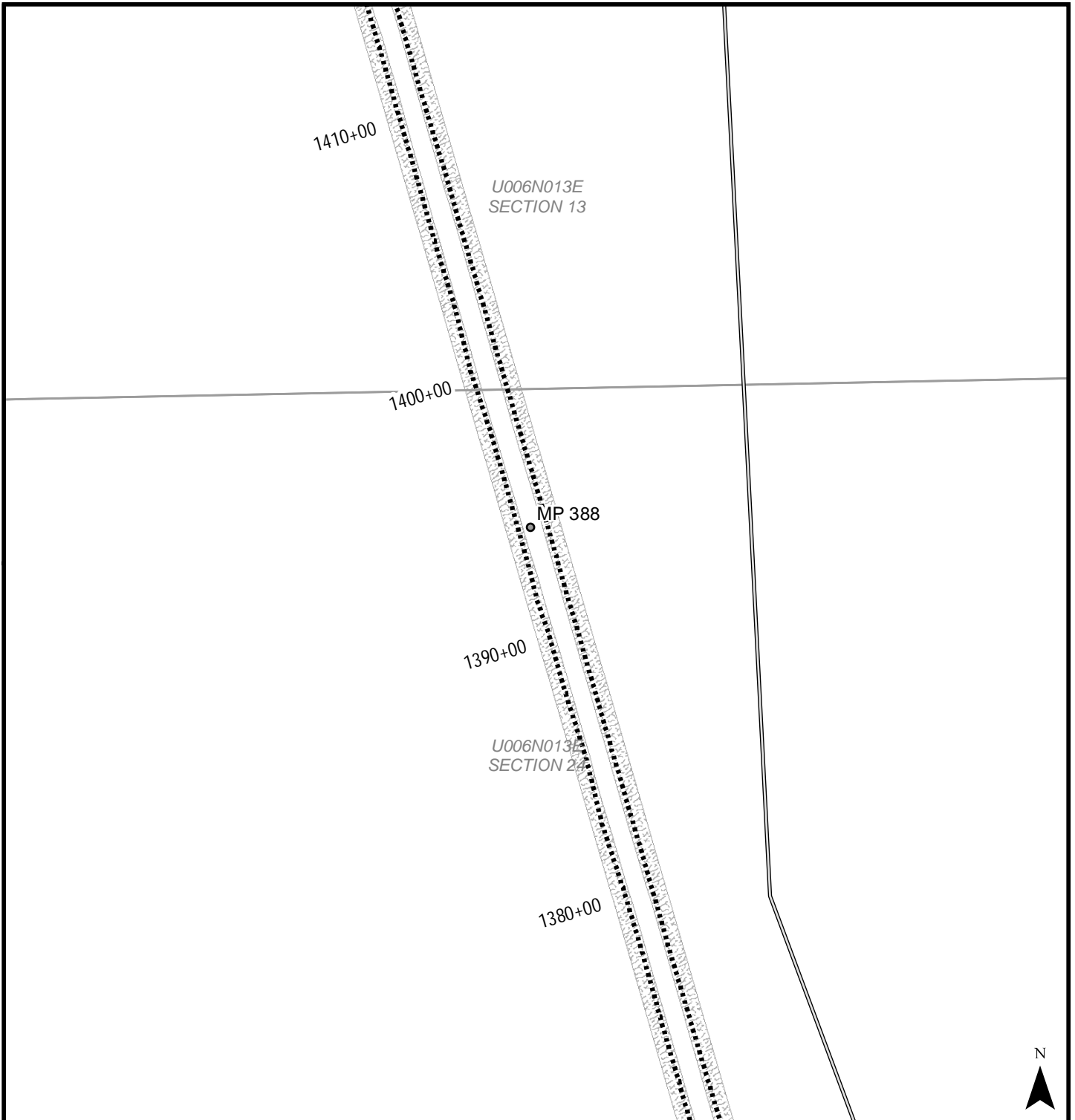
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DATE: APRIL 2015		SHEET:		17	



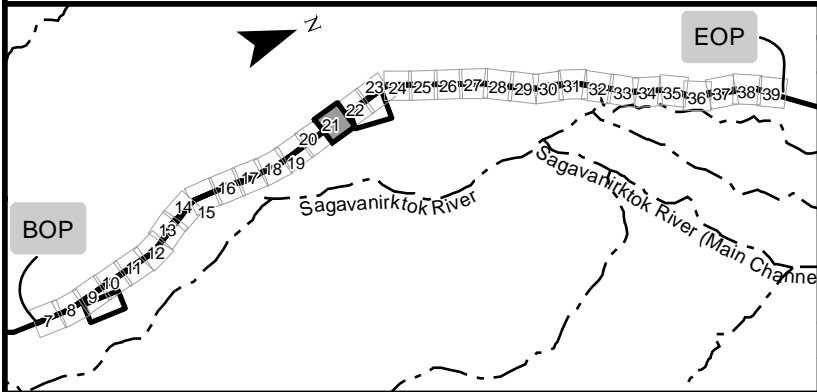
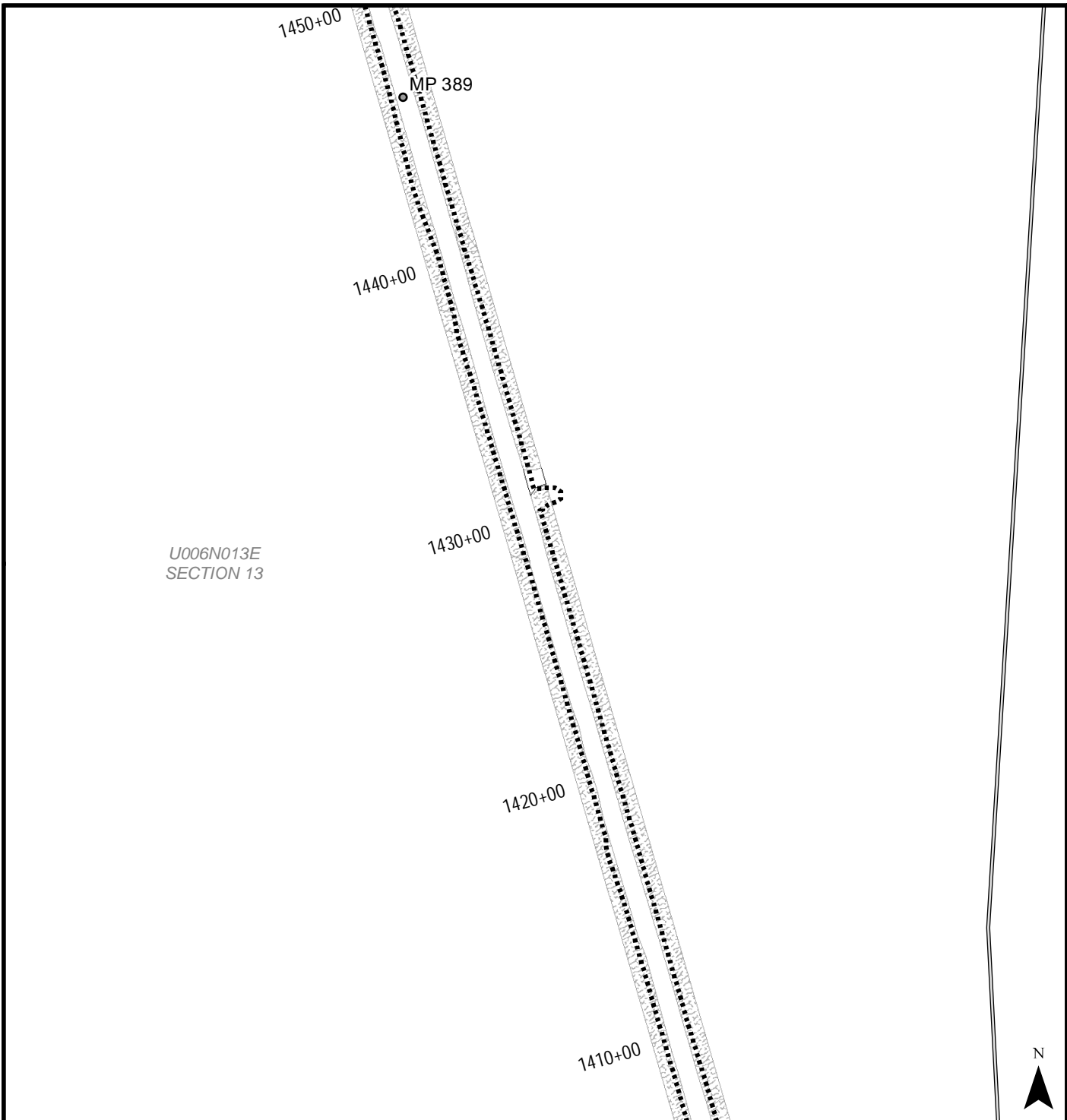
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STATE OF ALASKA Department of Transportation and Public Facilities 2301 Peger Rd. Fairbanks, AK 99709					
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PLAN VIEW DETAIL					
DATE: APRIL 2015		SHEET:		18	



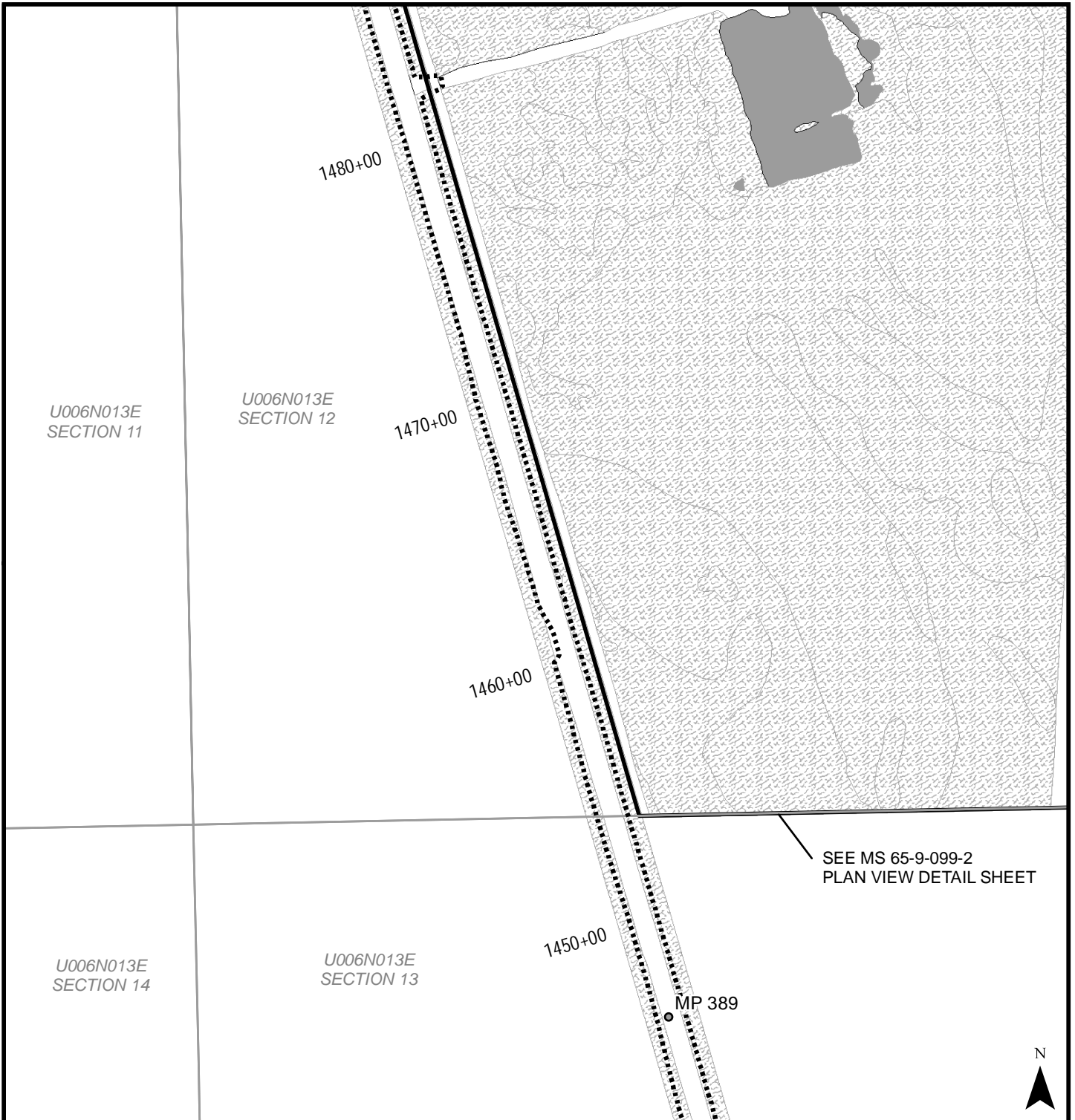
STATE OF ALASKA Department of Transportation and Public Facilities 2301 Peger Rd. Fairbanks, AK 99709	
DALTON HWY MP379-401 REHABILITATION PROJECT 63818	
PLAN VIEW DETAIL	
DATE: APRIL 2015	SHEET: 19



STATE OF ALASKA Department of Transportation and Public Facilities 2301 Peger Rd. Fairbanks, AK 99709	
DALTON HWY MP379-401 REHABILITATION PROJECT 63818	
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DATE: APRIL 2015	SHEET: 20

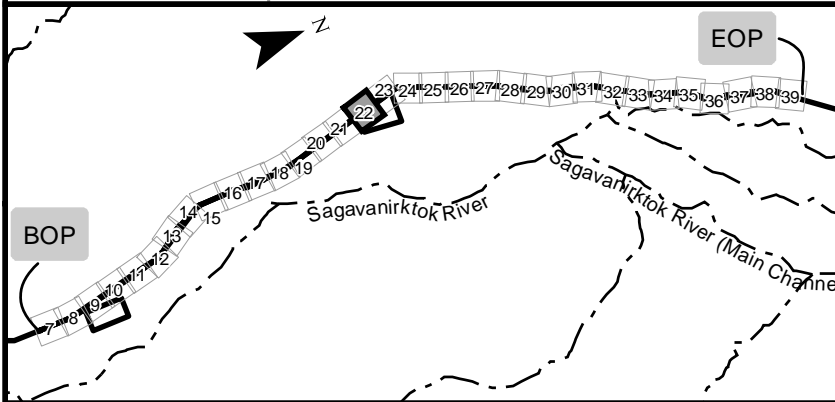


STATE OF ALASKA Department of Transportation and Public Facilities 2301 Peger Rd. Fairbanks, AK 99709	
DALTON HWY MP379-401 REHABILITATION PROJECT 63818	
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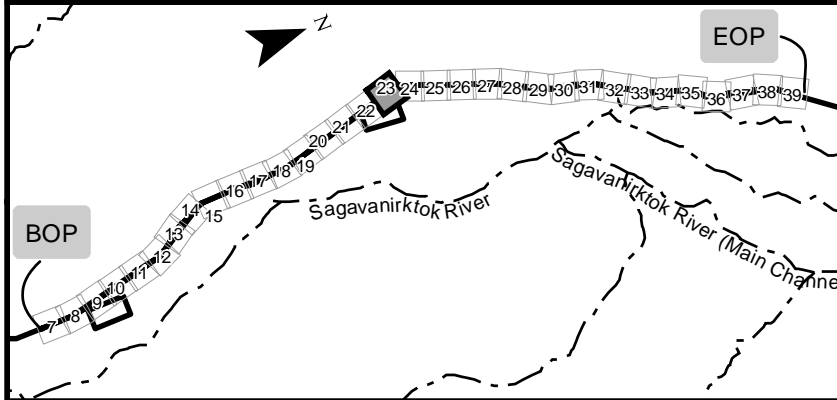
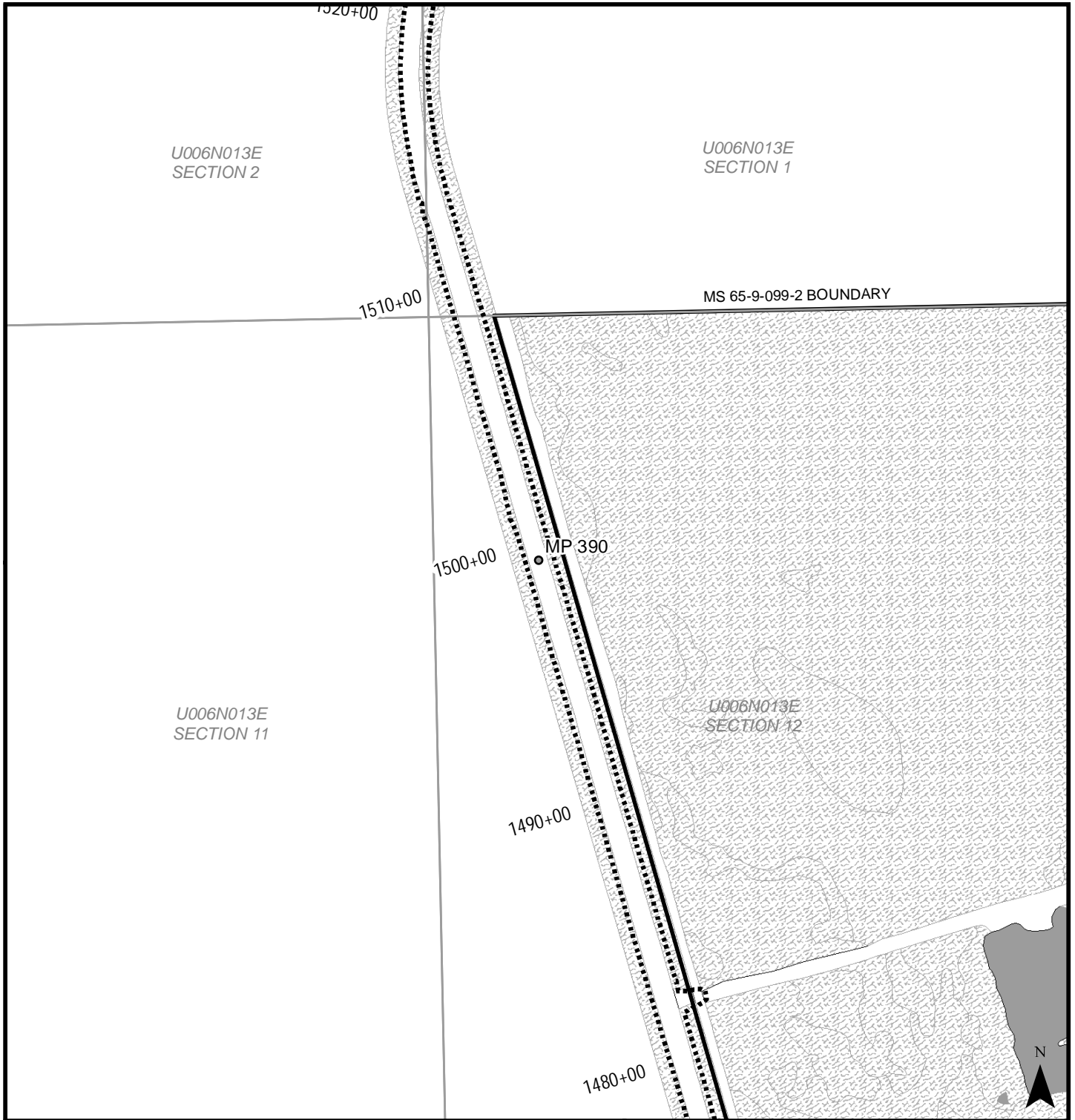


SEE MS 65-9-099-2
PLAN VIEW DETAIL SHEET

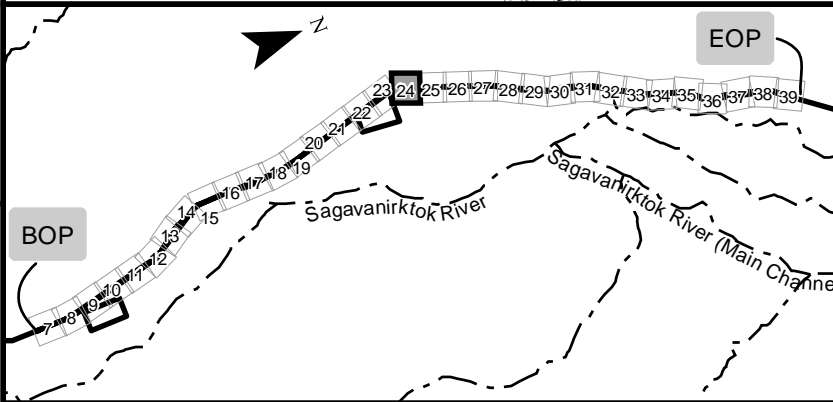
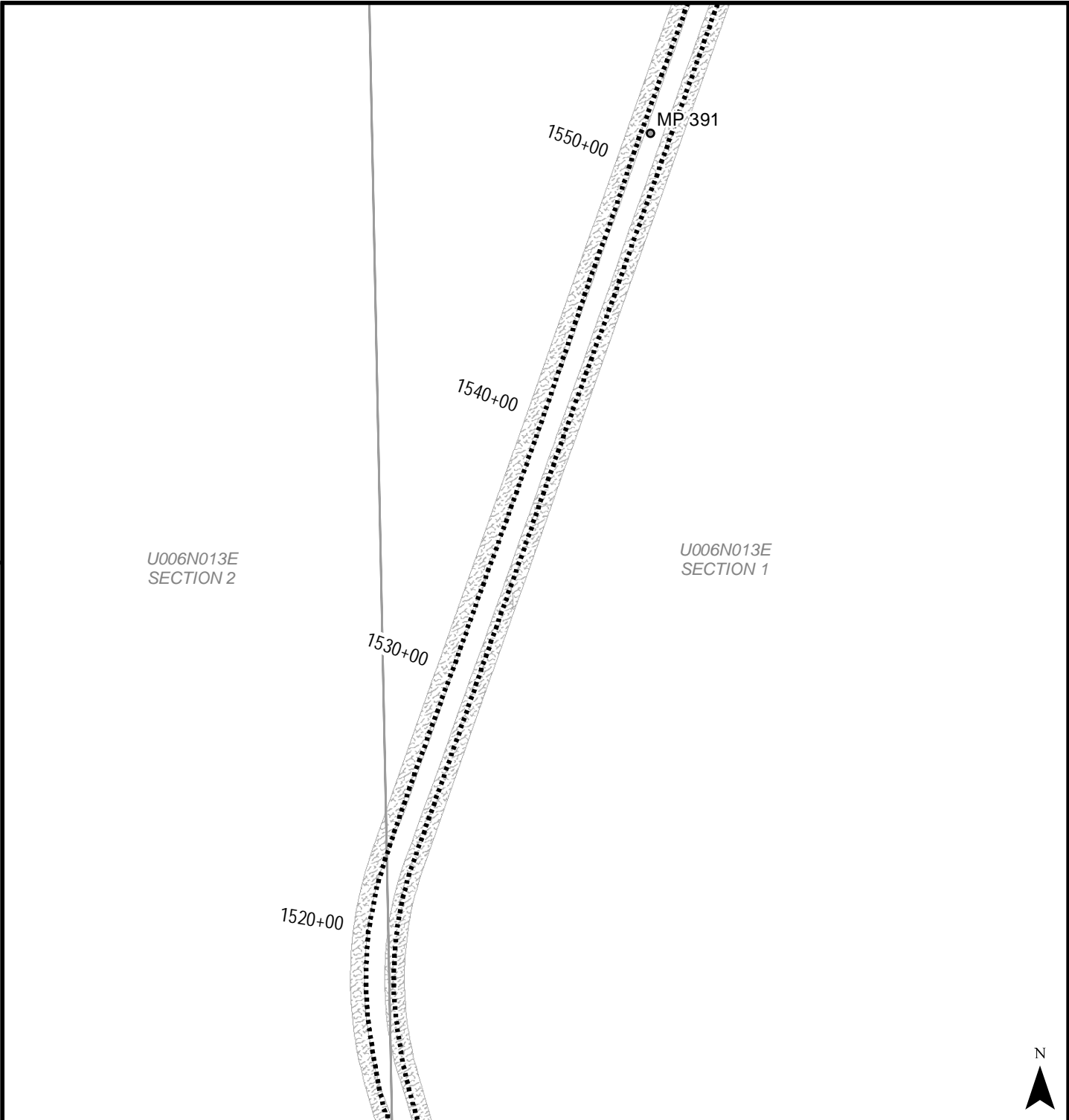
MP 389



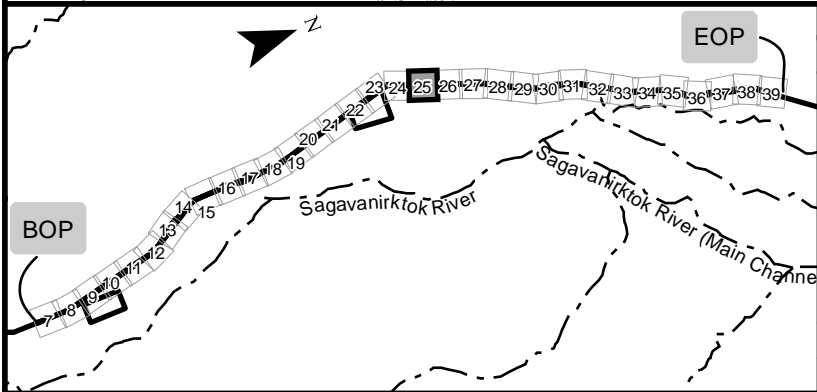
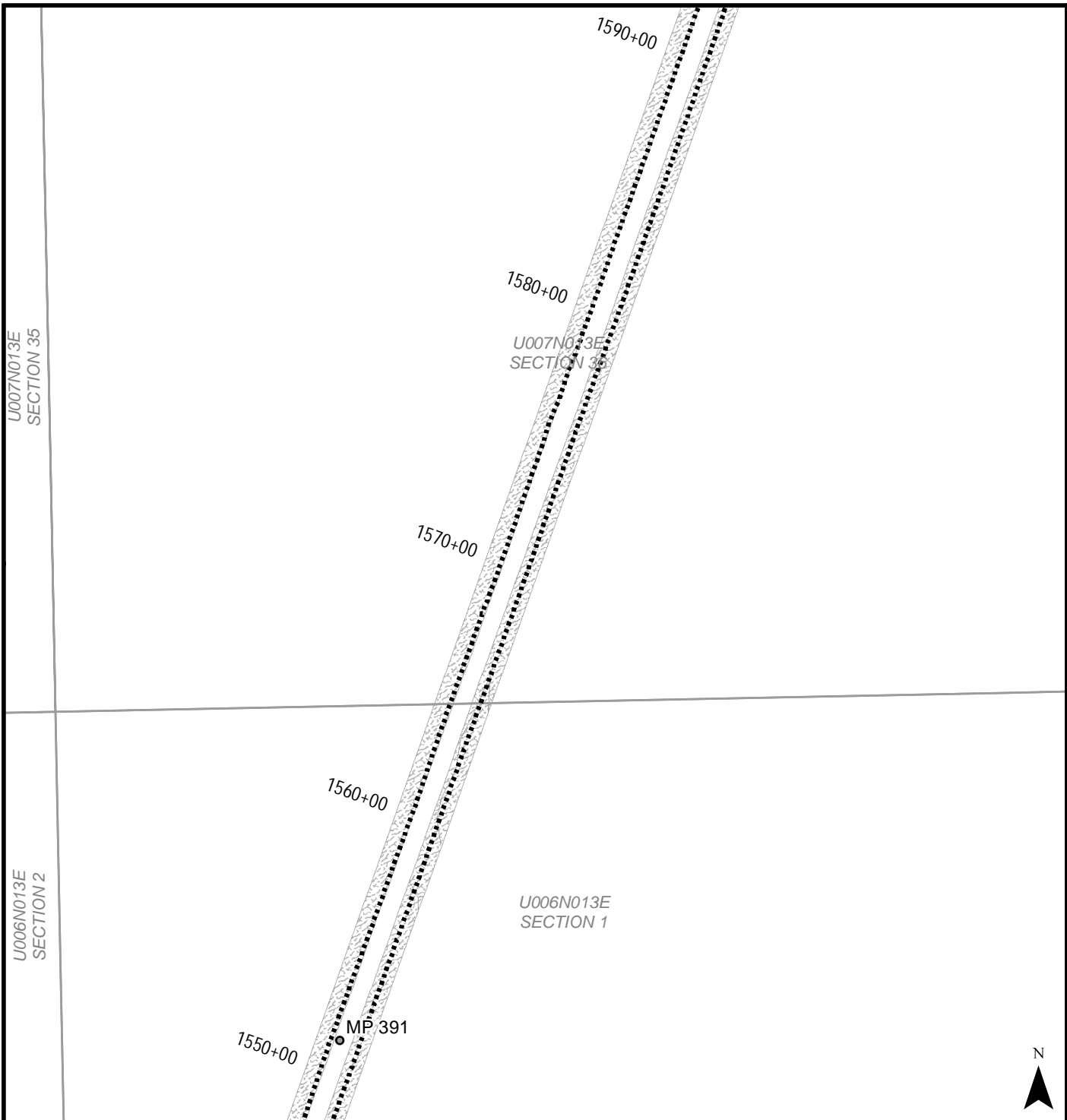
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STATE OF ALASKA Department of Transportation and Public Facilities 2301 Peger Rd. Fairbanks, AK 99709					
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DATE: APRIL 2015		SHEET:		22	



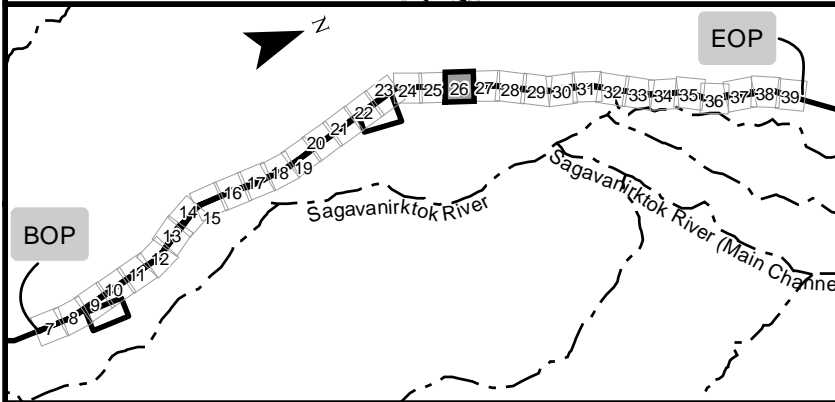
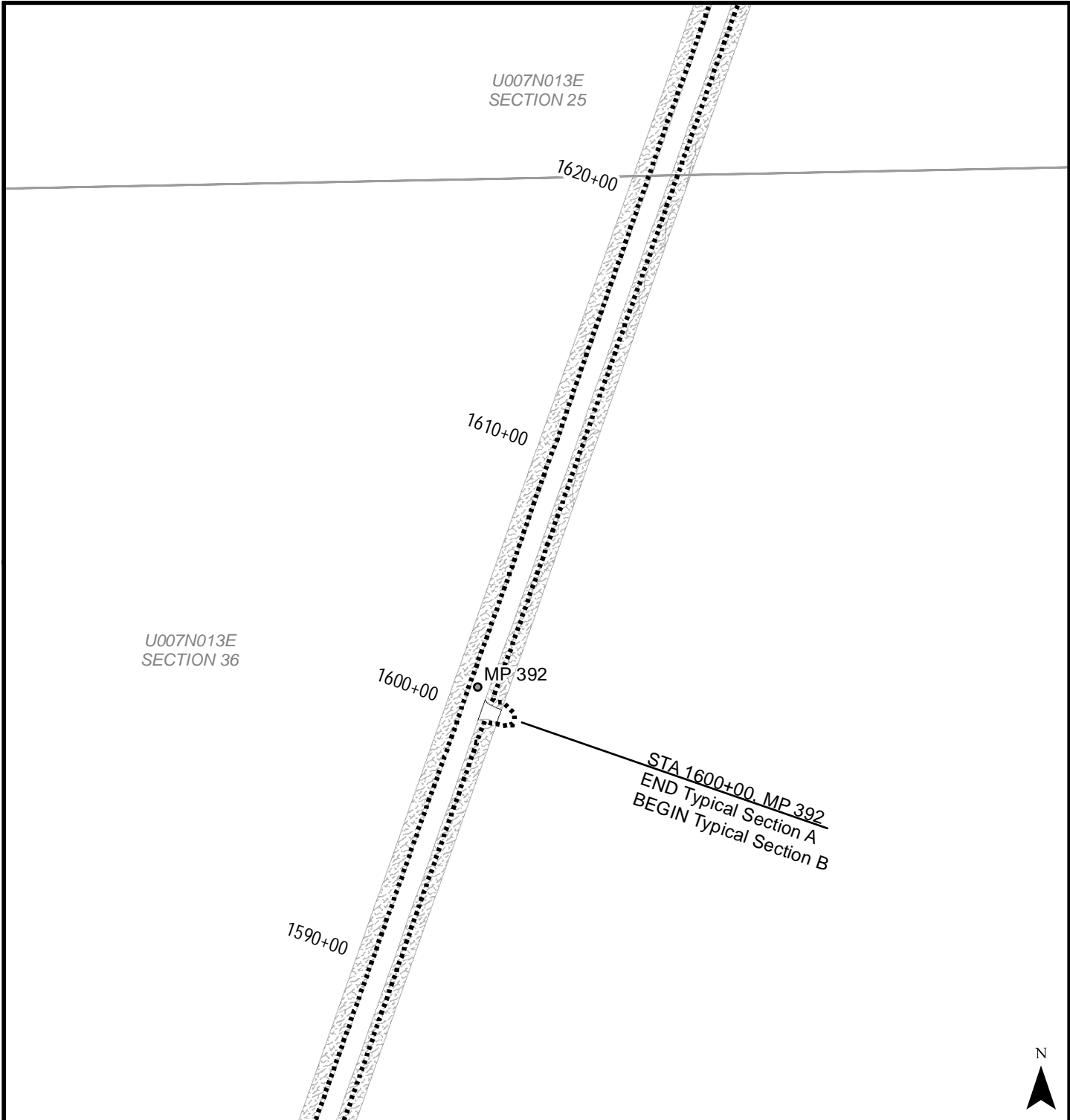
STATE OF ALASKA Department of Transportation and Public Facilities 2301 Peger Rd. Fairbanks, AK 99709	
DALTON HWY MP379-401 REHABILITATION PROJECT 63818	
PLAN VIEW DETAIL	
DATE: APRIL 2015	SHEET: 23



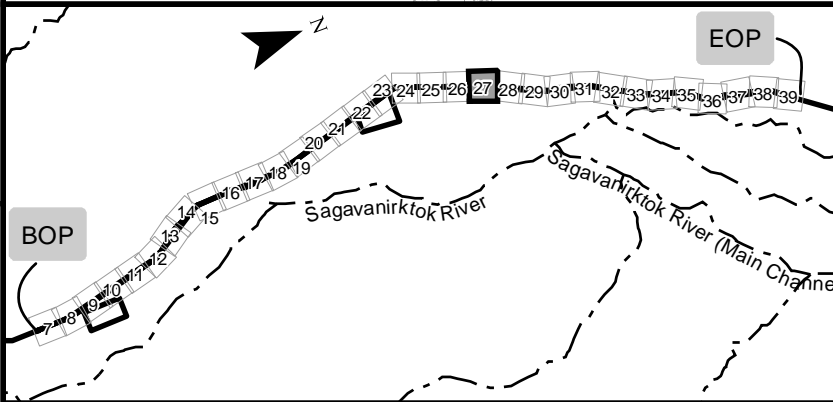
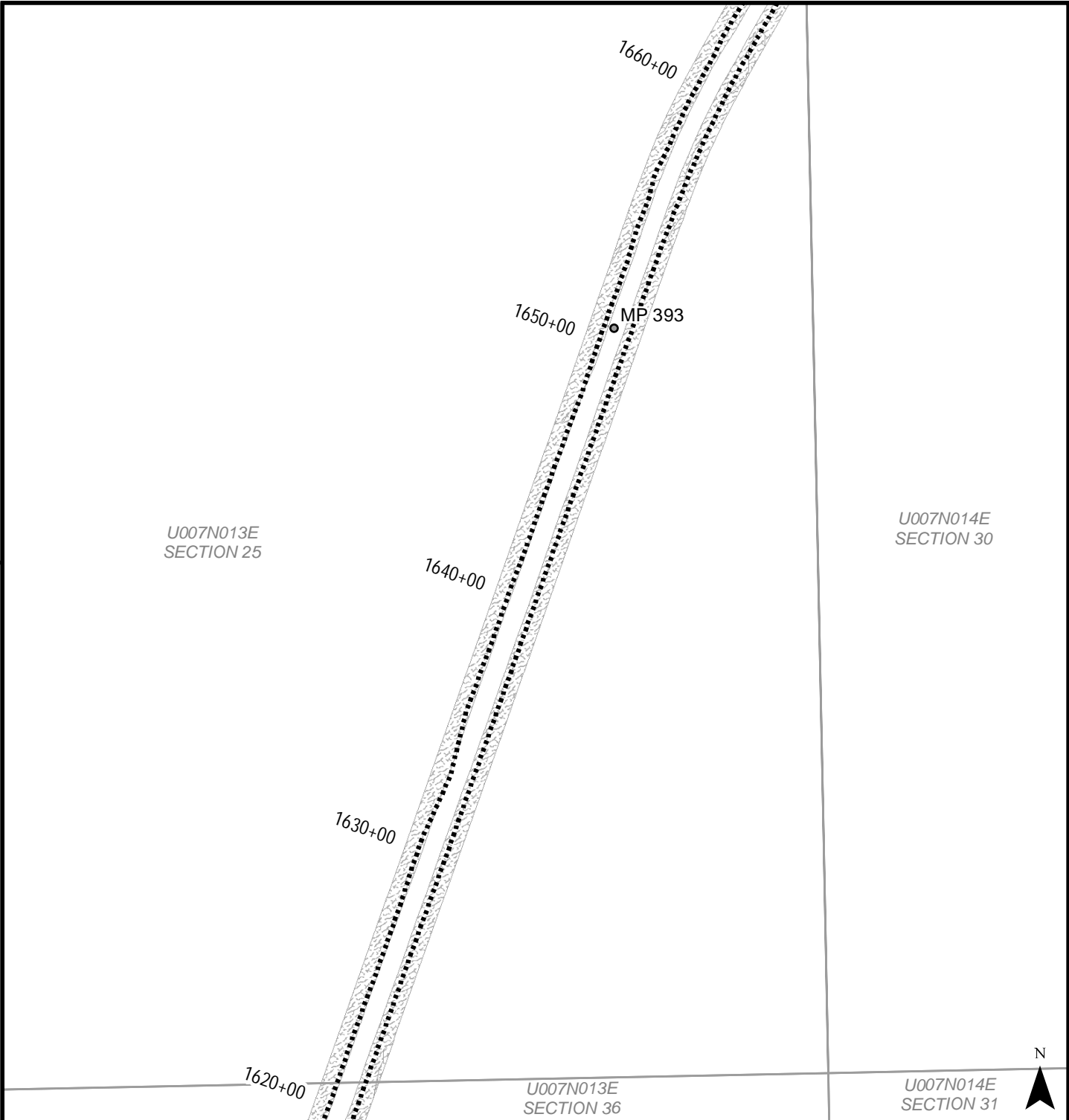
STATE OF ALASKA Department of Transportation and Public Facilities 2301 Peger Rd. Fairbanks, AK 99709	
DALTON HWY MP379-401 REHABILITATION PROJECT 63818	
PLAN VIEW DETAIL	
DATE: APRIL 2015	SHEET: 24



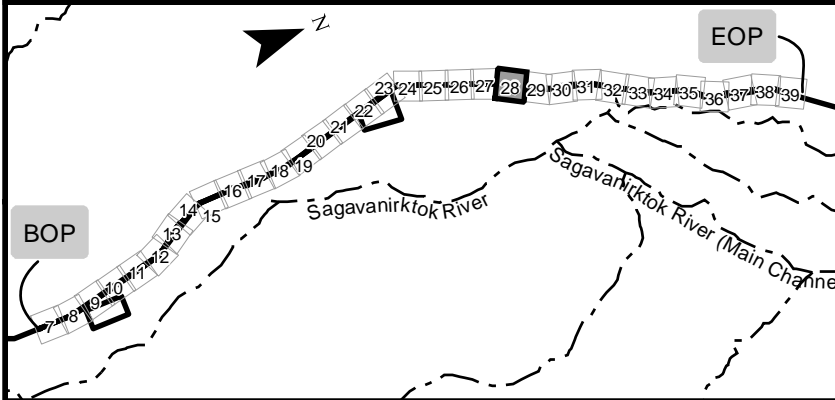
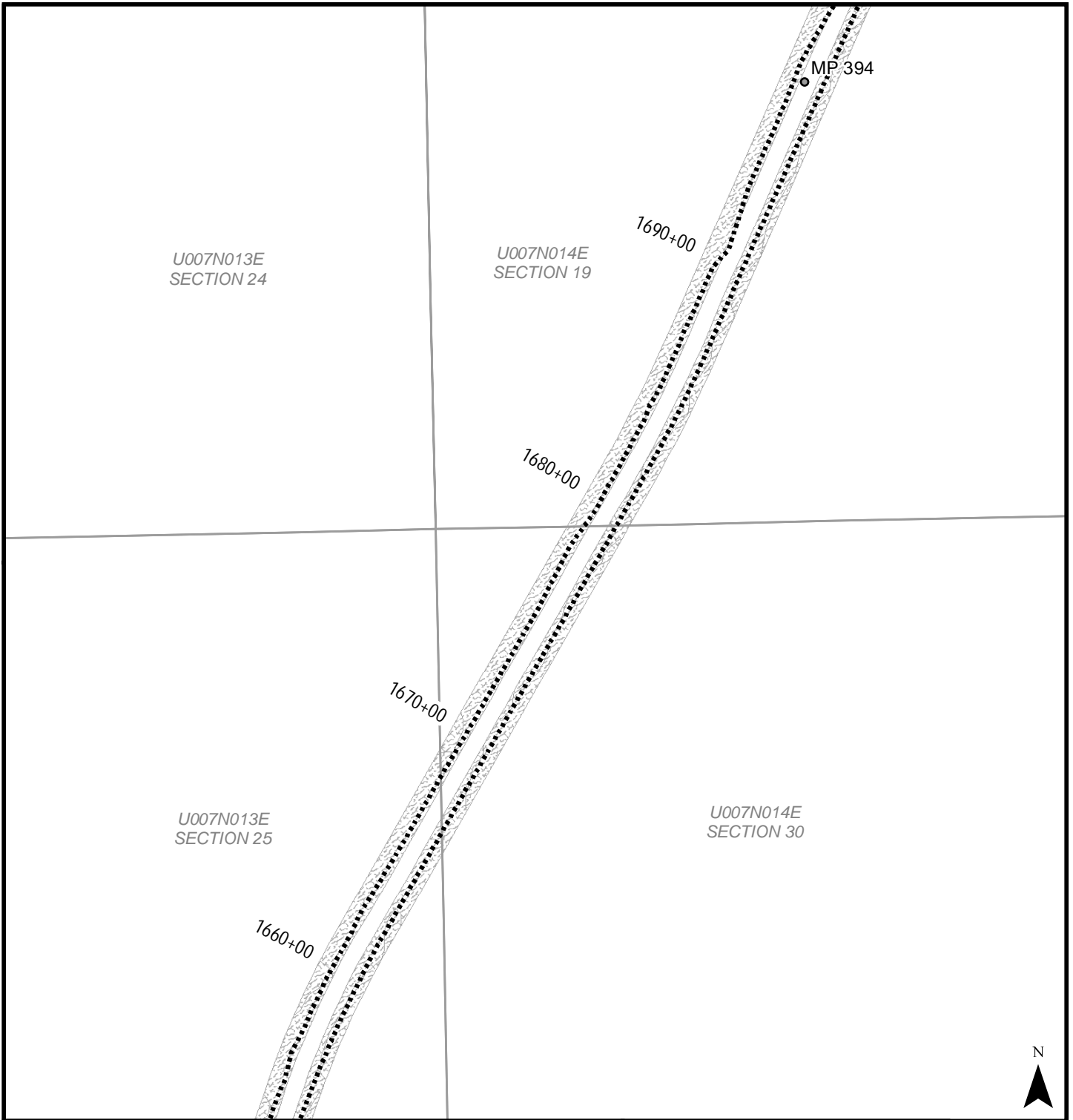
STATE OF ALASKA Department of Transportation and Public Facilities 2301 Peger Rd. Fairbanks, AK 99709	
DALTON HWY MP379-401 REHABILITATION PROJECT 63818	
PLAN VIEW DETAIL	
DATE: APRIL 2015	SHEET: 25



STATE OF ALASKA Department of Transportation and Public Facilities 2301 Peger Rd. Fairbanks, AK 99709	
DALTON HWY MP379-401 REHABILITATION PROJECT 63818	
PLAN VIEW DETAIL	
DATE: APRIL 2015	SHEET: 26

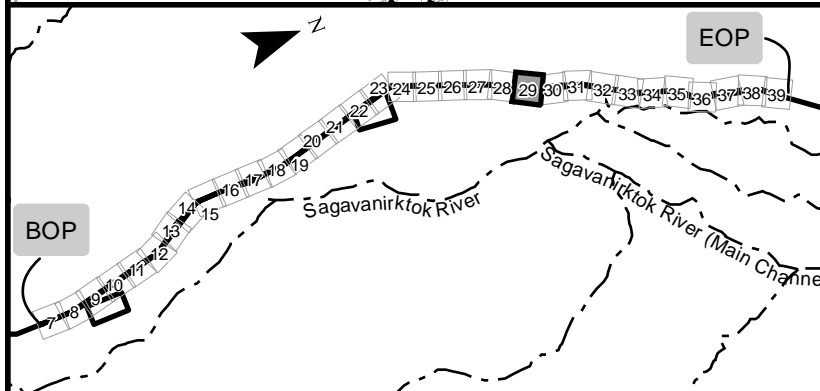
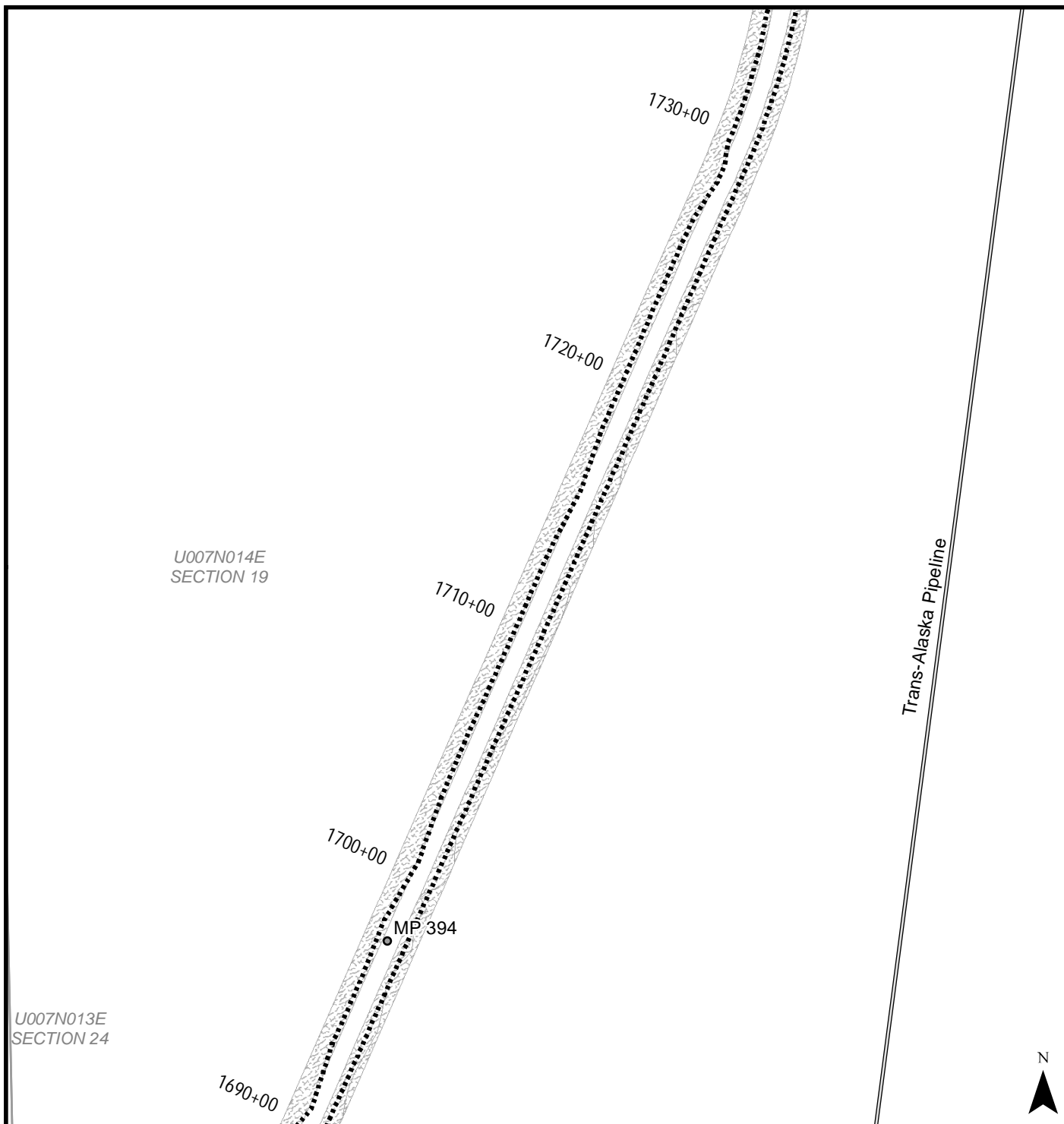


STATE OF ALASKA Department of Transportation and Public Facilities 2301 Peger Rd. Fairbanks, AK 99709	
DALTON HWY MP379-401 REHABILITATION PROJECT 63818	
PLAN VIEW DETAIL	
DATE: APRIL 2015	SHEET: 27

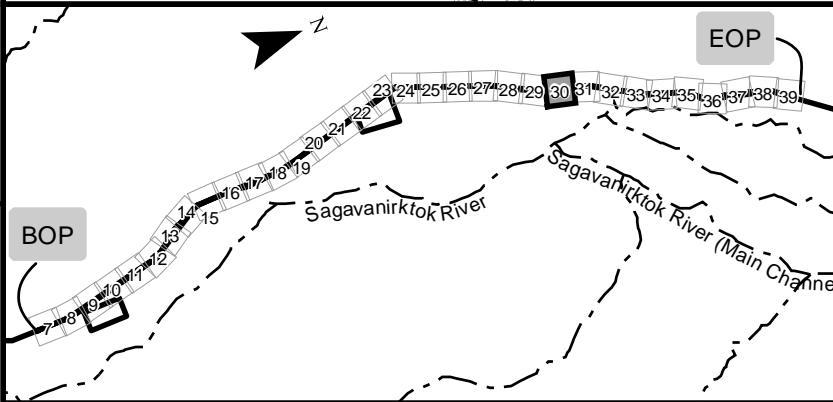
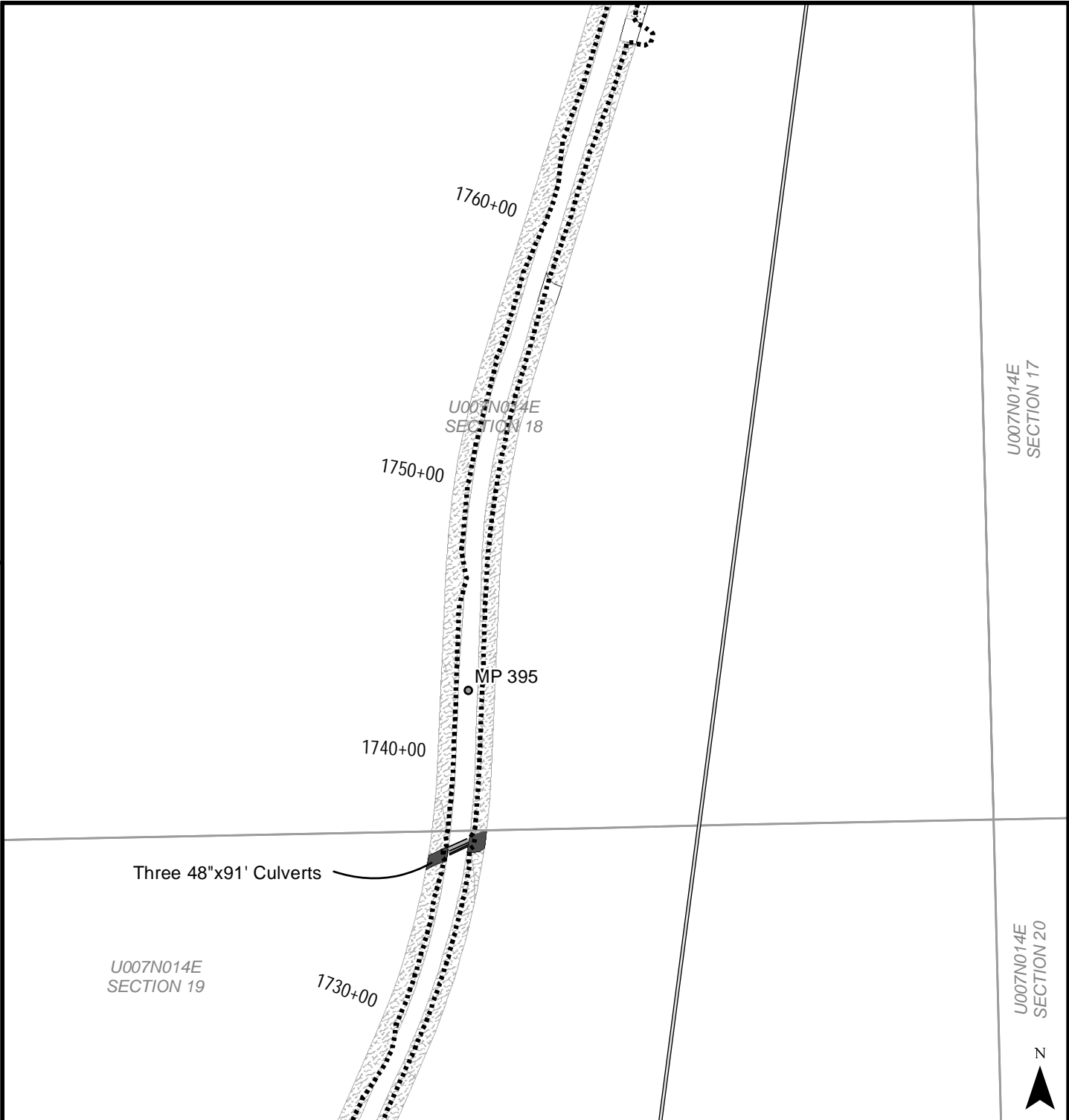


STATE OF ALASKA Department of Transportation and Public Facilities 2301 Peger Rd. Fairbanks, AK 99709	
DALTON HWY MP379-401 REHABILITATION PROJECT 63818	
PLAN VIEW DETAIL	
DATE: APRIL 2015	SHEET: 28

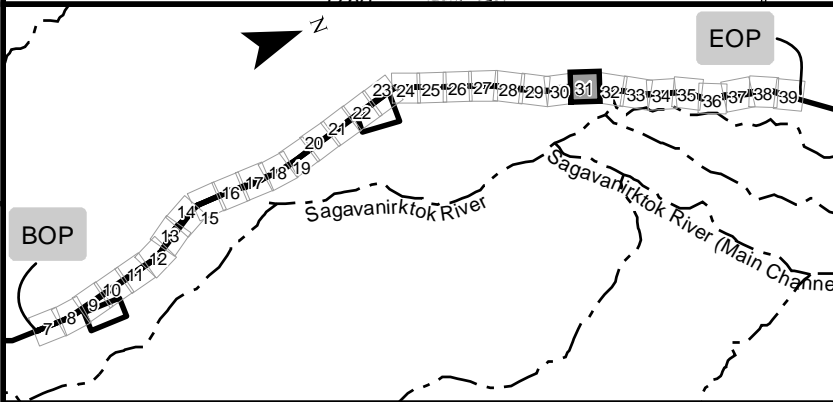
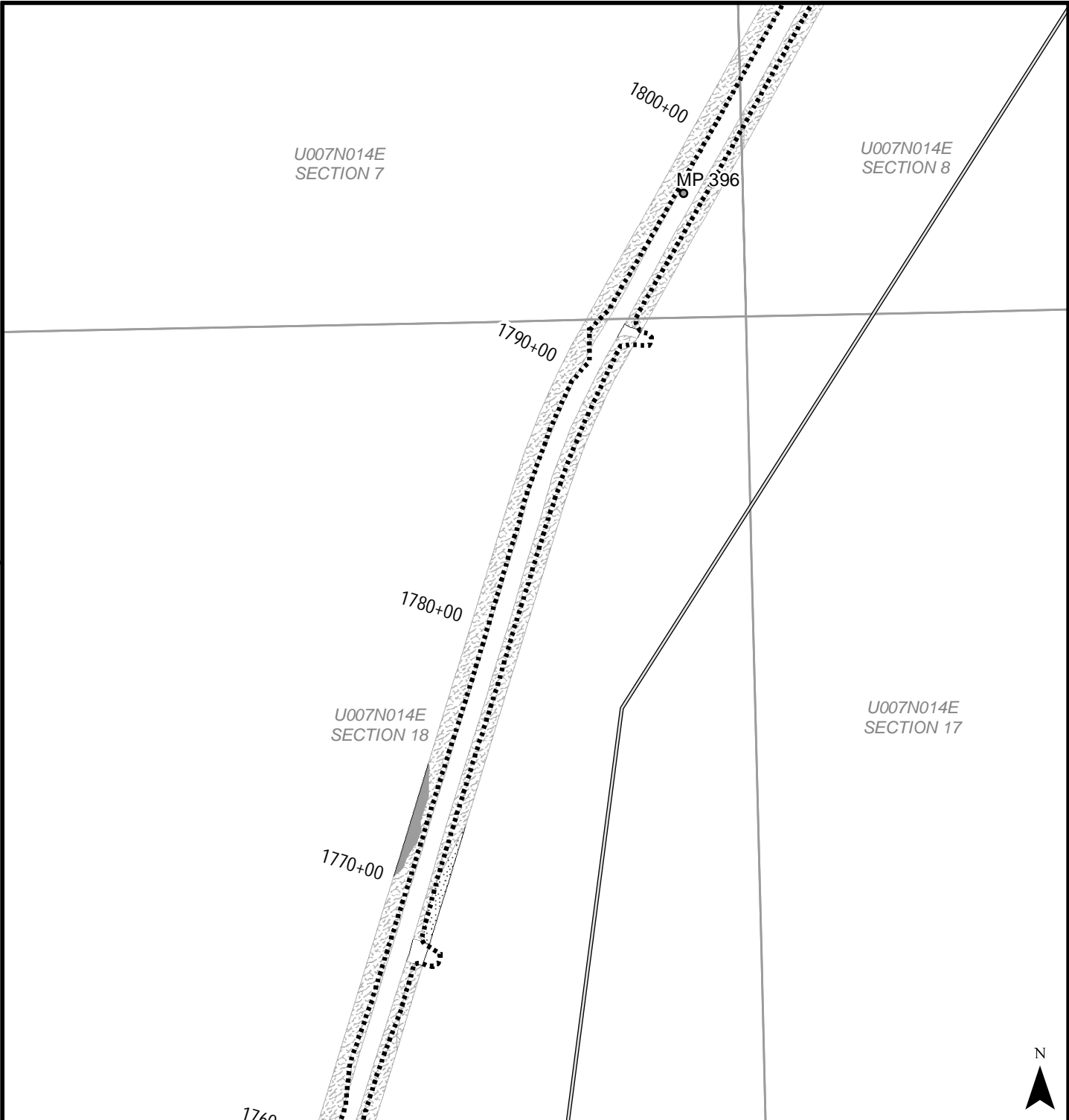
Three 48"x91' Culverts



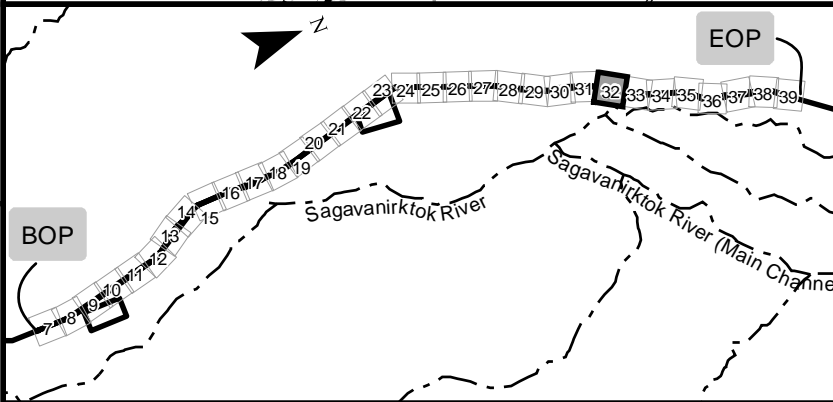
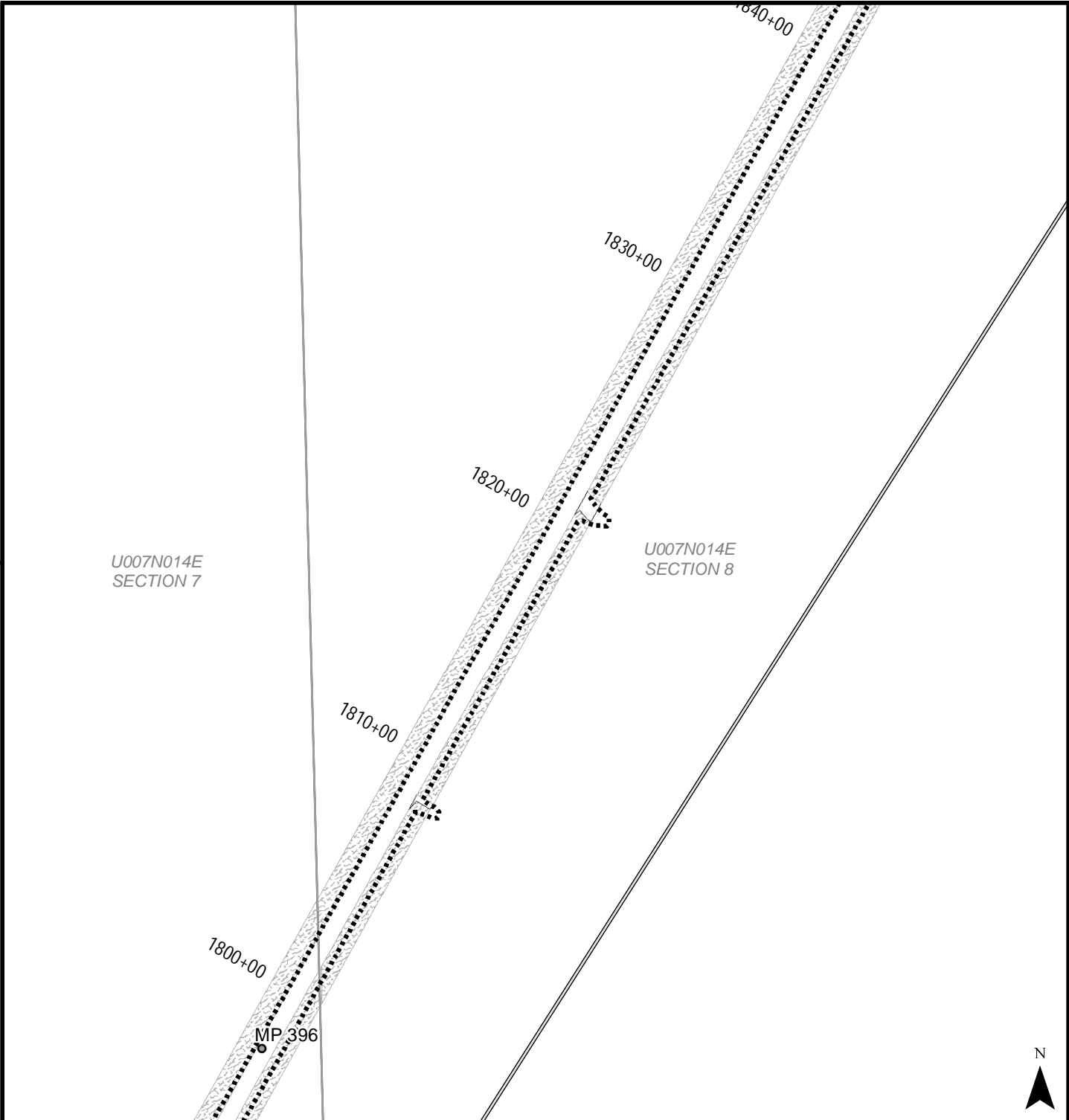
STATE OF ALASKA Department of Transportation and Public Facilities 2301 Peger Rd. Fairbanks, AK 99709	
DALTON HWY MP379-401 REHABILITATION PROJECT 63818	
PLAN VIEW DETAIL	
DATE: APRIL 2015	SHEET: 29



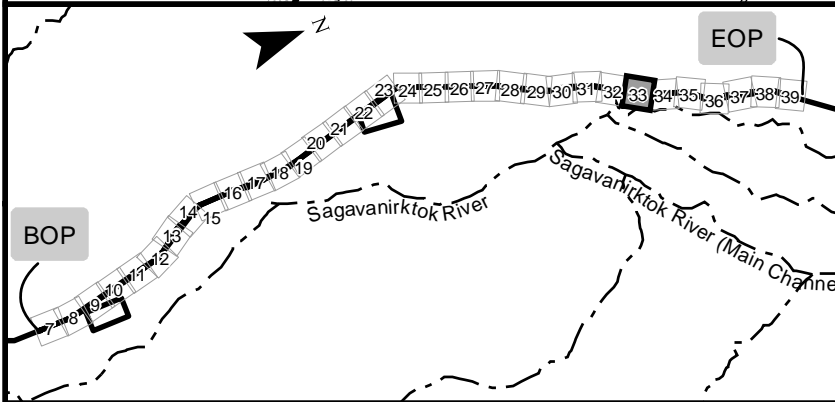
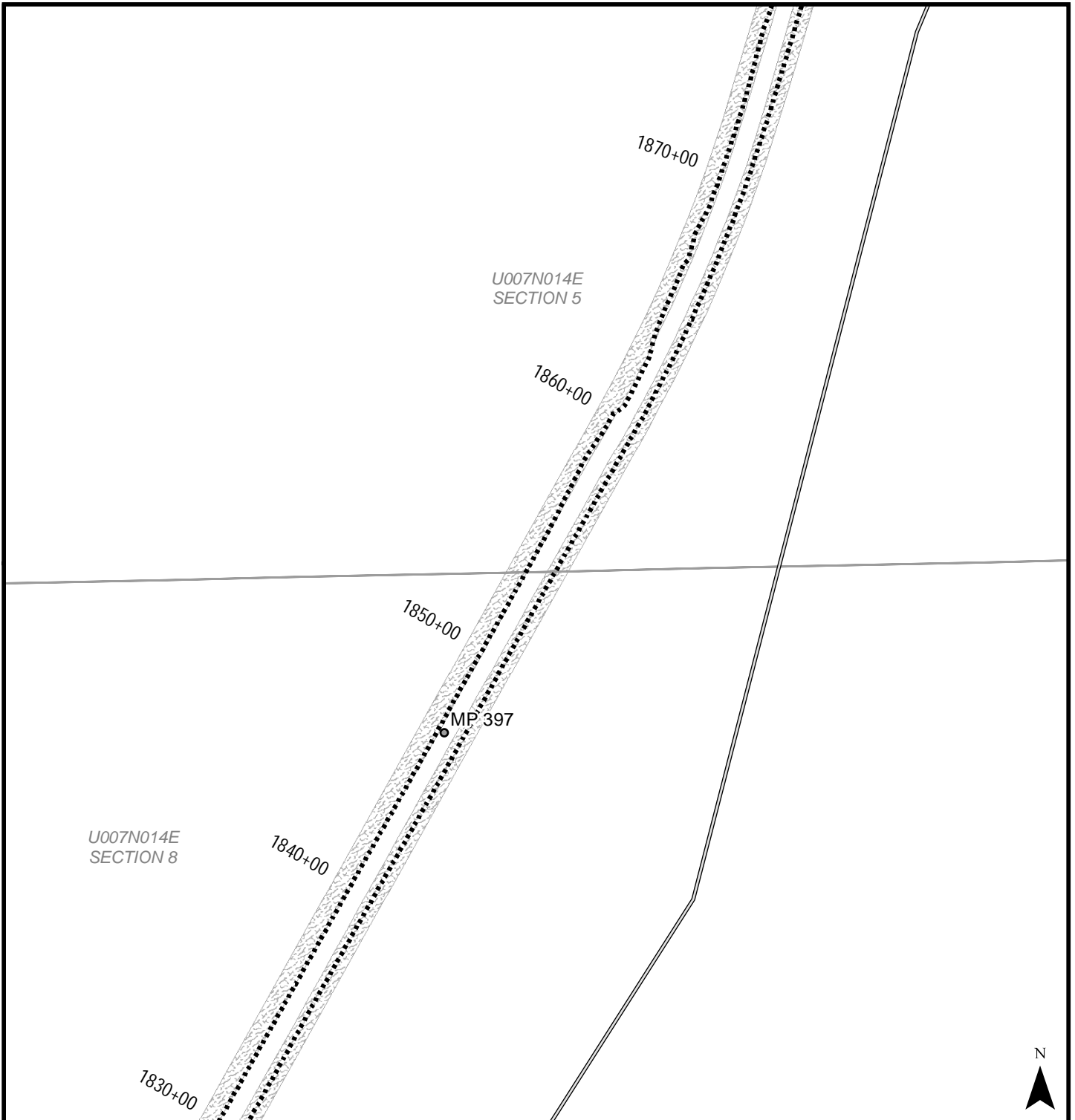
STATE OF ALASKA Department of Transportation and Public Facilities 2301 Peger Rd. Fairbanks, AK 99709	
DALTON HWY MP379-401 REHABILITATION PROJECT 63818	
PLAN VIEW DETAIL	
DATE: APRIL 2015	SHEET: 30



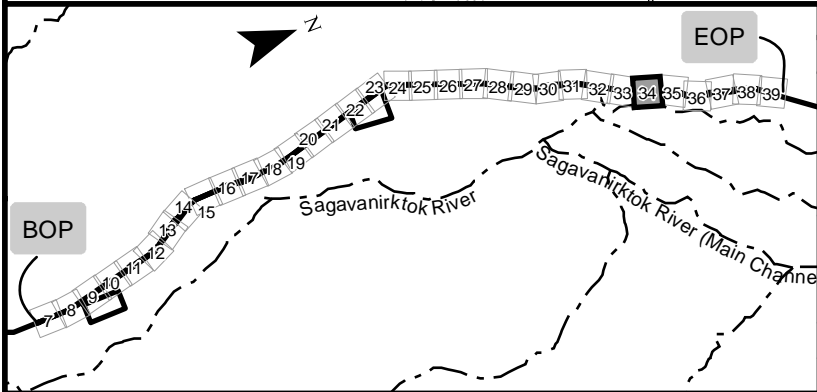
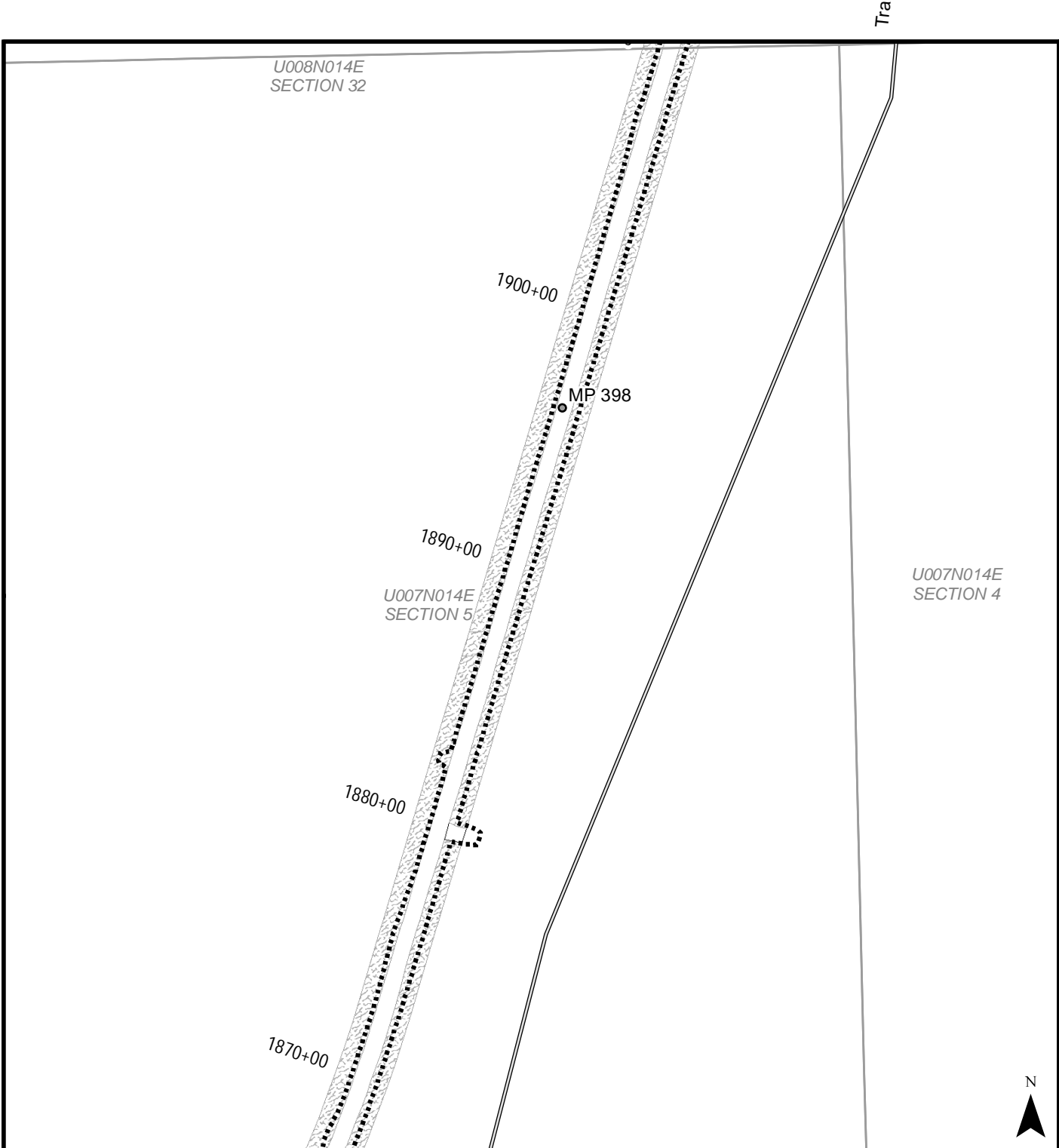
STATE OF ALASKA Department of Transportation and Public Facilities 2301 Peger Rd. Fairbanks, AK 99709	
DALTON HWY MP379-401 REHABILITATION PROJECT 63818	
PLAN VIEW DETAIL	
DATE: APRIL 2015	SHEET: 31



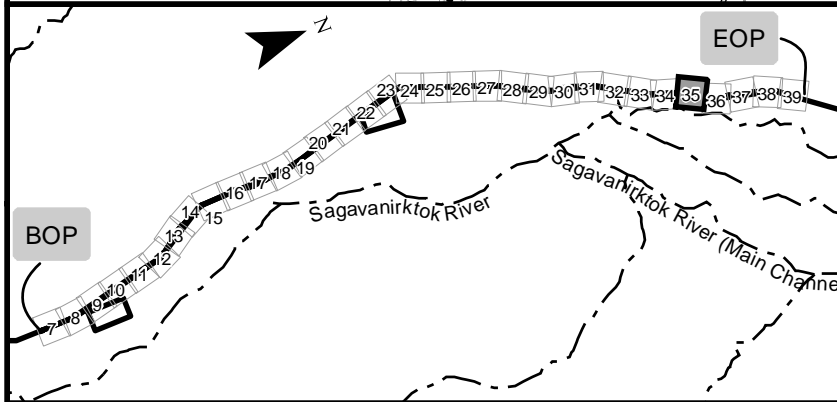
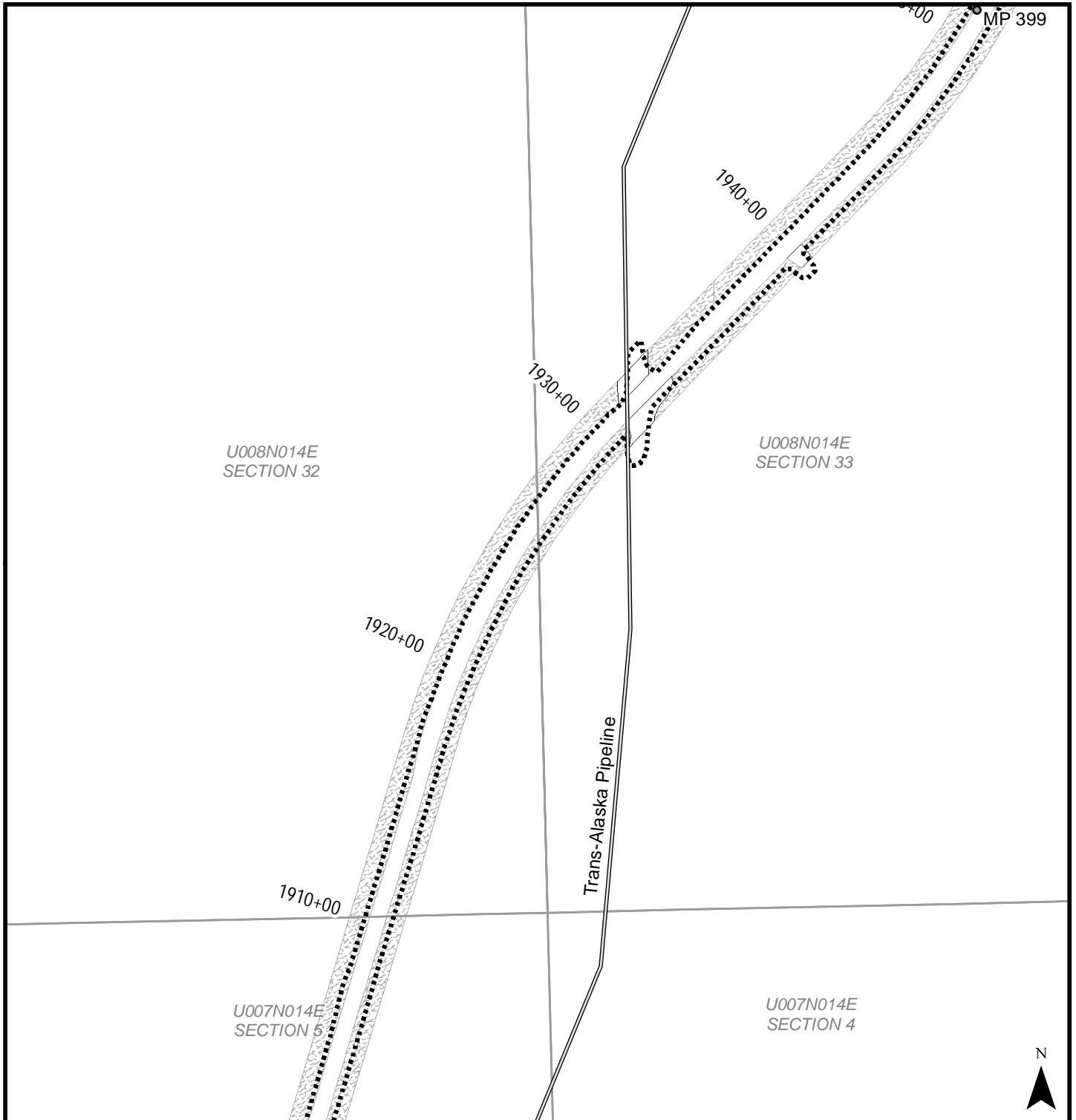
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STATE OF ALASKA Department of Transportation and Public Facilities 2301 Peger Rd. Fairbanks, AK 99709	
DALTON HWY MP379-401 REHABILITATION PROJECT 63818	
PLAN VIEW DETAIL	
DATE: APRIL 2015	SHEET: 32



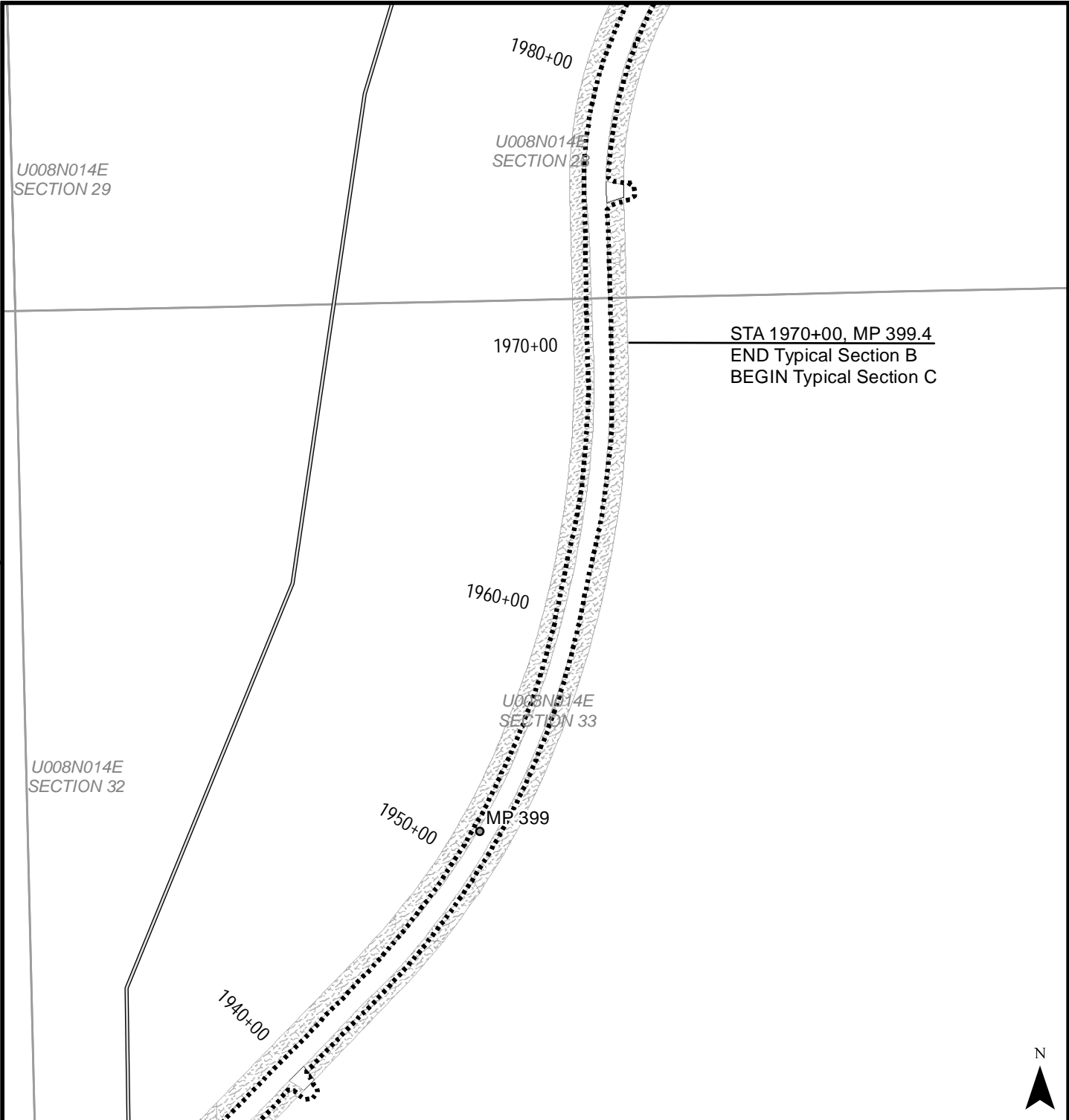
STATE OF ALASKA Department of Transportation and Public Facilities 2301 Peger Rd. Fairbanks, AK 99709	
DALTON HWY MP379-401 REHABILITATION PROJECT 63818	
PLAN VIEW DETAIL	
DATE: APRIL 2015	SHEET: 33



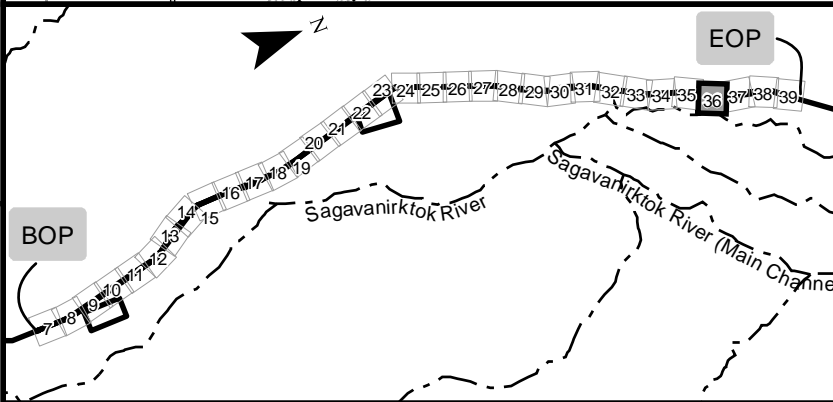
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STATE OF ALASKA Department of Transportation and Public Facilities 2301 Peger Rd. Fairbanks, AK 99709								
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PLAN VIEW DETAIL								
DATE: APRIL 2015				SHEET:		34		



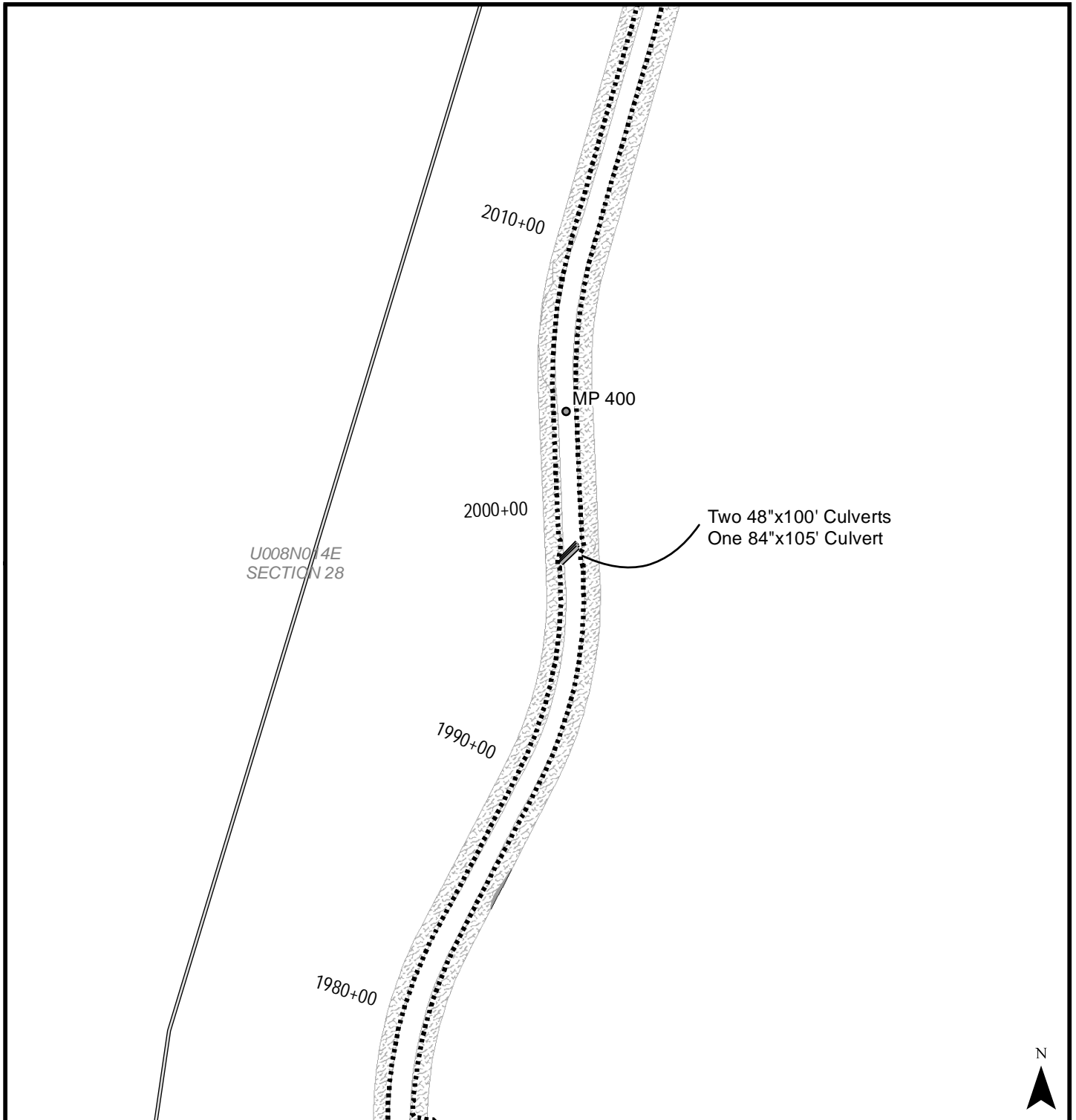
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STATE OF ALASKA Department of Transportation and Public Facilities 2301 Peger Rd. Fairbanks, AK 99709								
DALTON HWY MP379-401 REHABILITATION PROJECT 63818								
PLAN VIEW DETAIL								
DATE: APRIL 2015			SHEET:			35		



STA 1970+00, MP 399.4
 END Typical Section B
 BEGIN Typical Section C

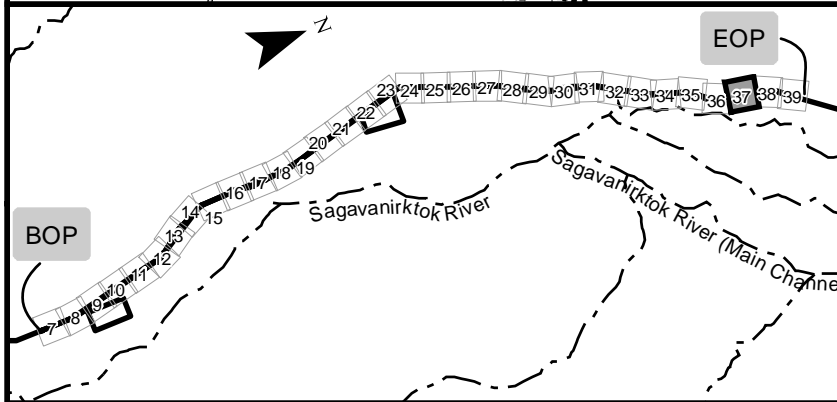


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STATE OF ALASKA Department of Transportation and Public Facilities 2301 Peger Rd. Fairbanks, AK 99709	
DALTON HWY MP379-401 REHABILITATION PROJECT 63818	
PLAN VIEW DETAIL	
DATE: APRIL 2015	SHEET: 36

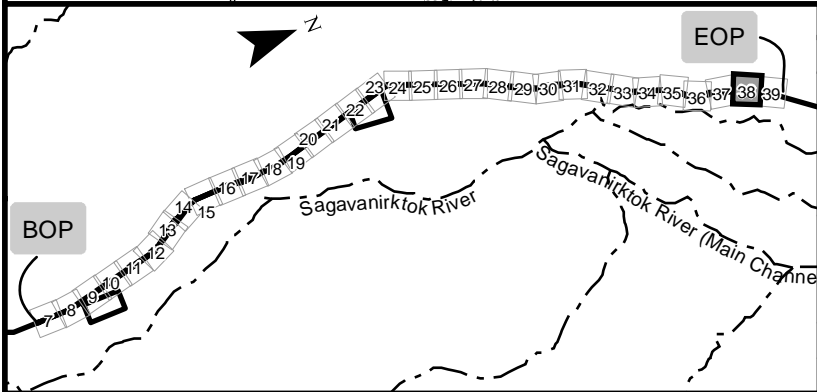
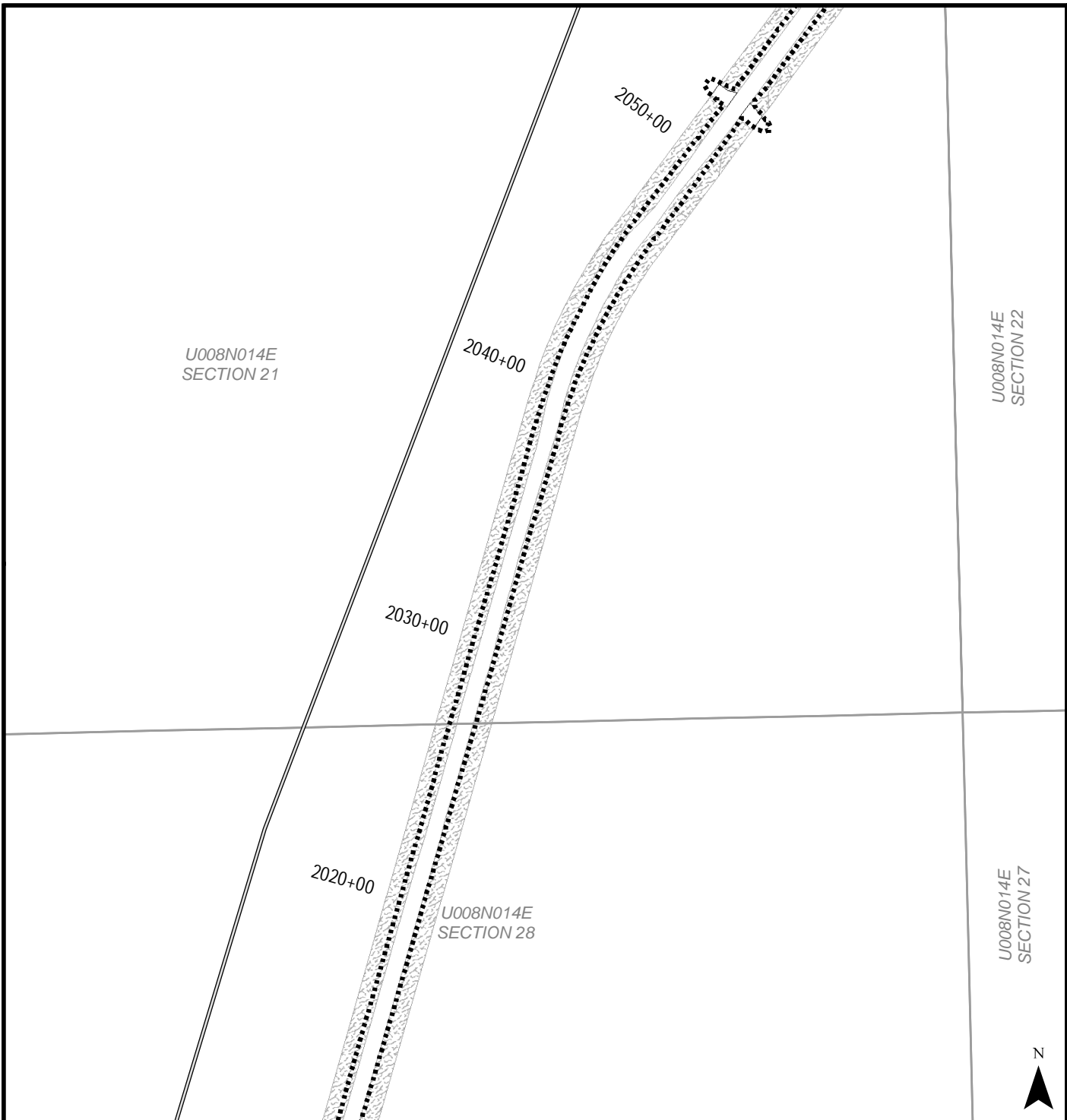


U008N01 4E
SECTION 28

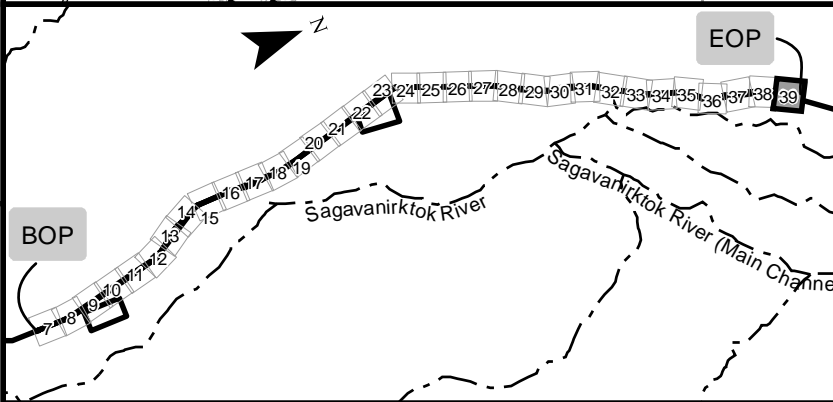
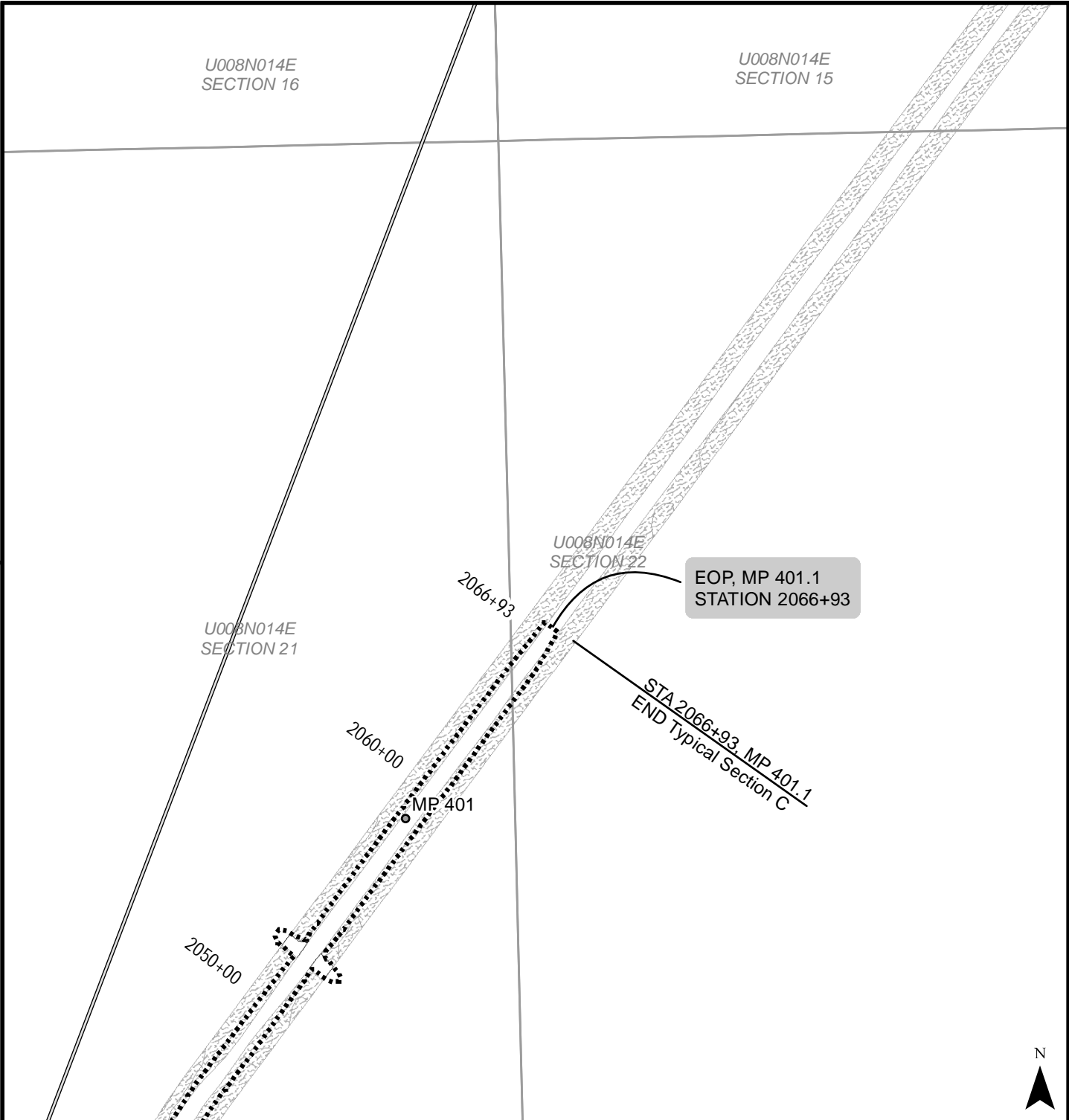
Two 48"x100' Culverts
One 84"x105' Culvert



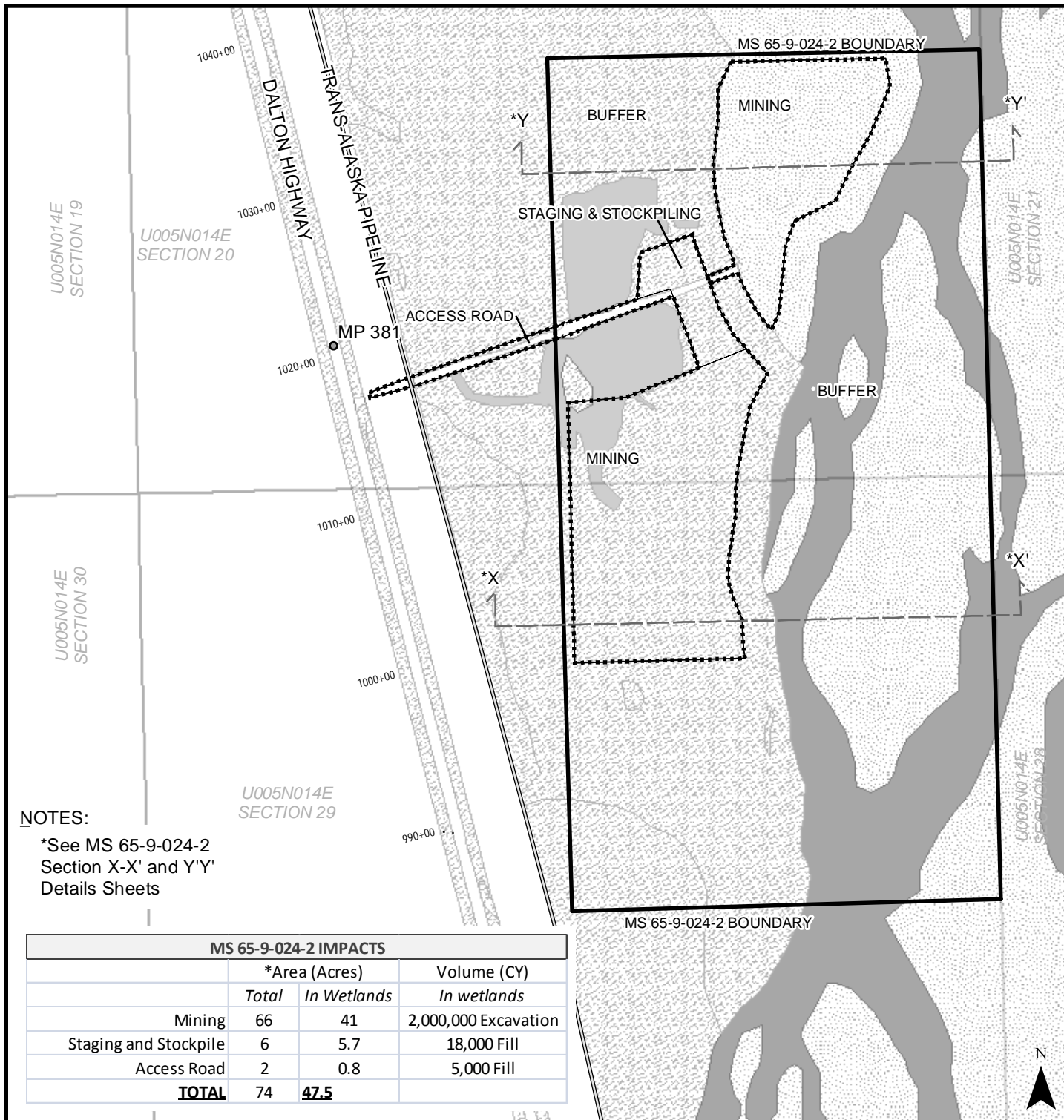
STATE OF ALASKA Department of Transportation and Public Facilities 2301 Peger Rd. Fairbanks, AK 99709	
DALTON HWY MP379-401 REHABILITATION PROJECT 63818	
PLAN VIEW DETAIL	
DATE: APRIL 2015	SHEET: 37



STATE OF ALASKA Department of Transportation and Public Facilities 2301 Peger Rd. Fairbanks, AK 99709	
DALTON HWY MP379-401 REHABILITATION PROJECT 63818	
PLAN VIEW DETAIL	
DATE: APRIL 2015	SHEET: 38



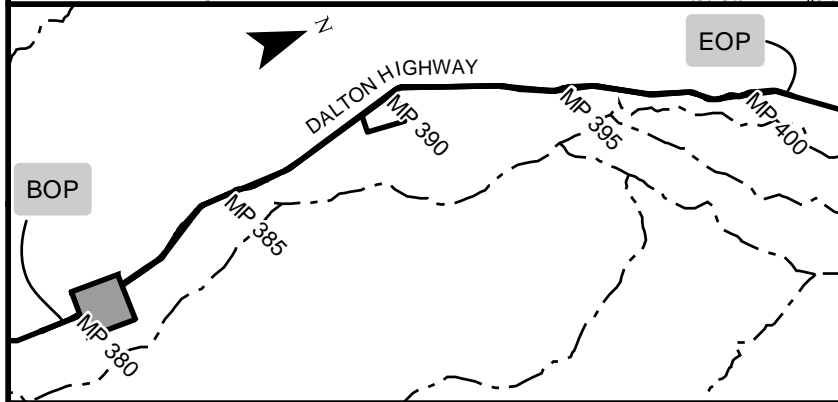
STATE OF ALASKA Department of Transportation and Public Facilities 2301 Peger Rd. Fairbanks, AK 99709	
DALTON HWY MP379-401 REHABILITATION PROJECT 63818	
PLAN VIEW DETAIL	
DATE: APRIL 2015	SHEET: 39



NOTES:

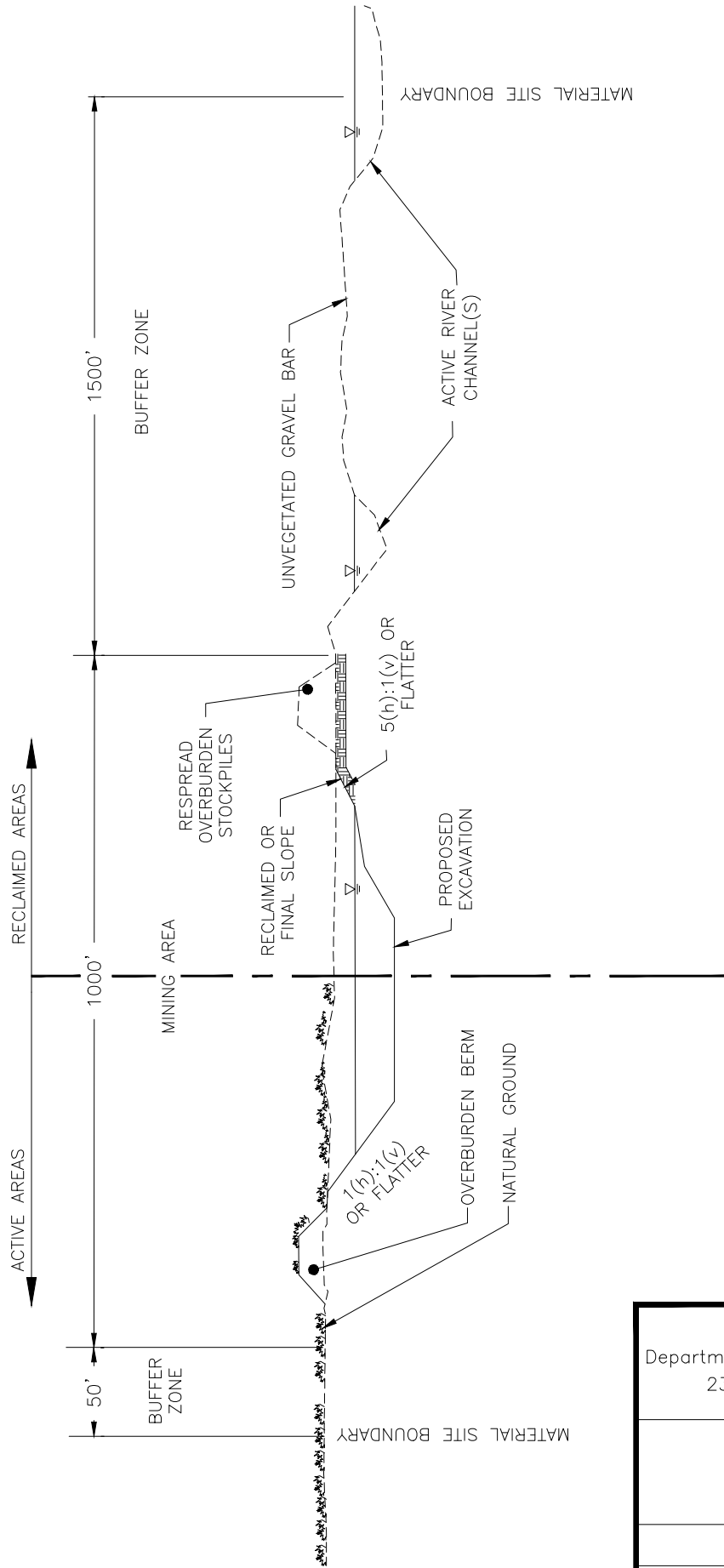
*See MS 65-9-024-2 Section X-X' and Y-Y' Details Sheets

MS 65-9-024-2 IMPACTS			
	*Area (Acres)		Volume (CY)
	Total	In Wetlands	In wetlands
Mining	66	41	2,000,000 Excavation
Staging and Stockpile	6	5.7	18,000 Fill
Access Road	2	0.8	5,000 Fill
TOTAL	74	47.5	



0		500		1,000		2,000		Feet
STATE OF ALASKA Department of Transportation and Public Facilities 2301 Peger Rd. Fairbanks, AK 99709								
DALTON HWY MP379-401 REHABILITATION PROJECT 63818								
MS 65-9-024-2 DETAIL								
DATE: APRIL 2015				SHEET: 40				

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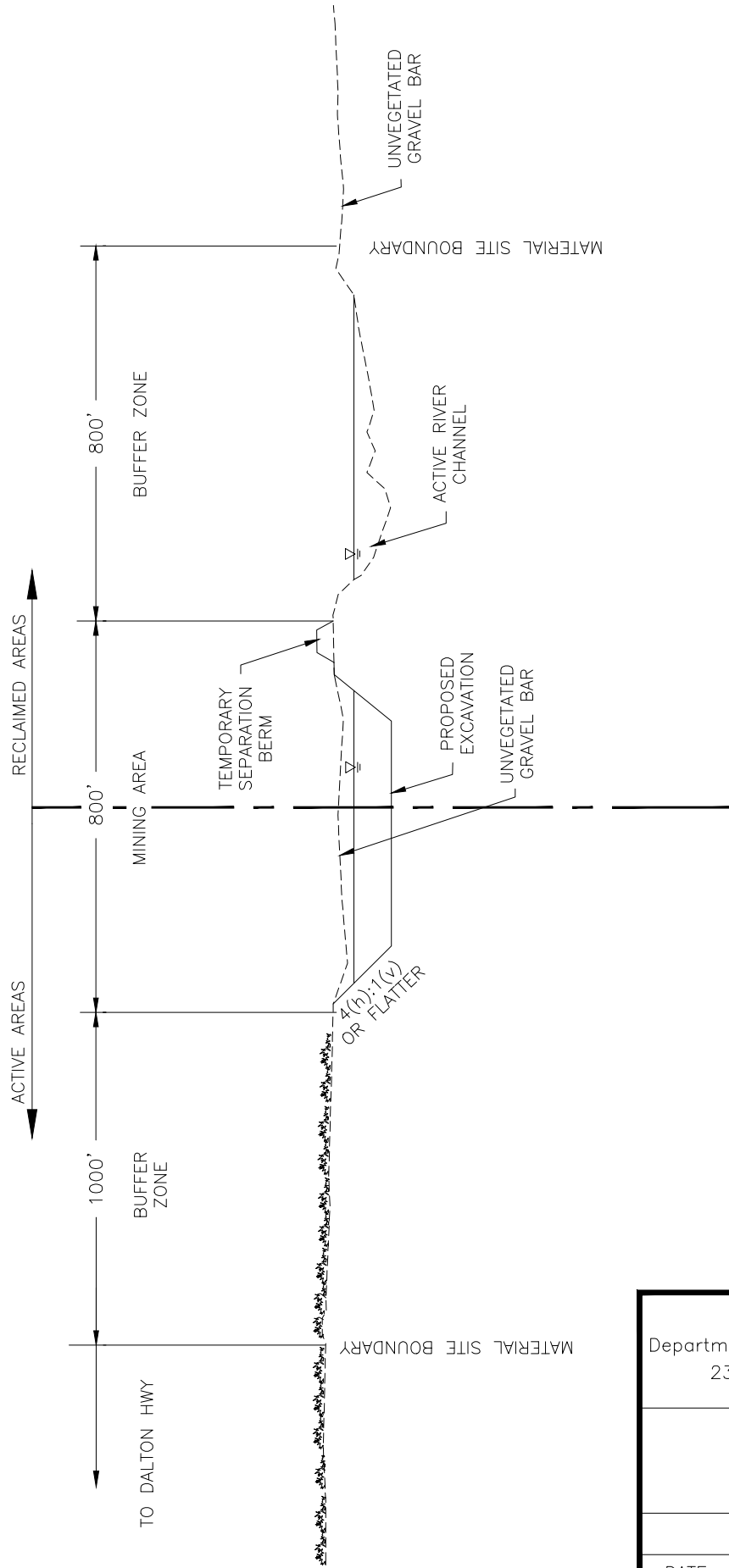


MATERIAL SITE MS 65-9-024-2
 CROSS SECTION X-X'
 NOT TO SCALE

NOTES:
 1. SEE MATERIAL SITE 65-9-024-2 PLAN VIEW DETAIL.

STATE OF ALASKA Department of Transportation and Public Facilities 2301 Peger Rd. Fairbanks, AK 99709	
DALTON HWY MP 379-401 REHABILITATION PROJECT 63818	
MS 65-9-024-2	SECTION X-X'
DATE: APRIL 2015	SHEET: 41

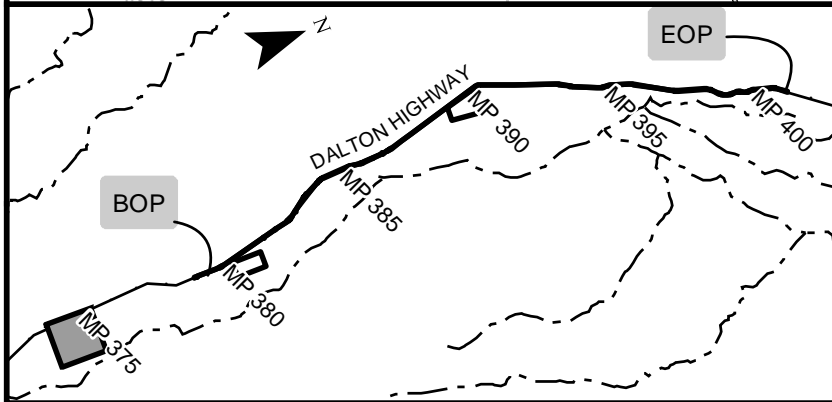
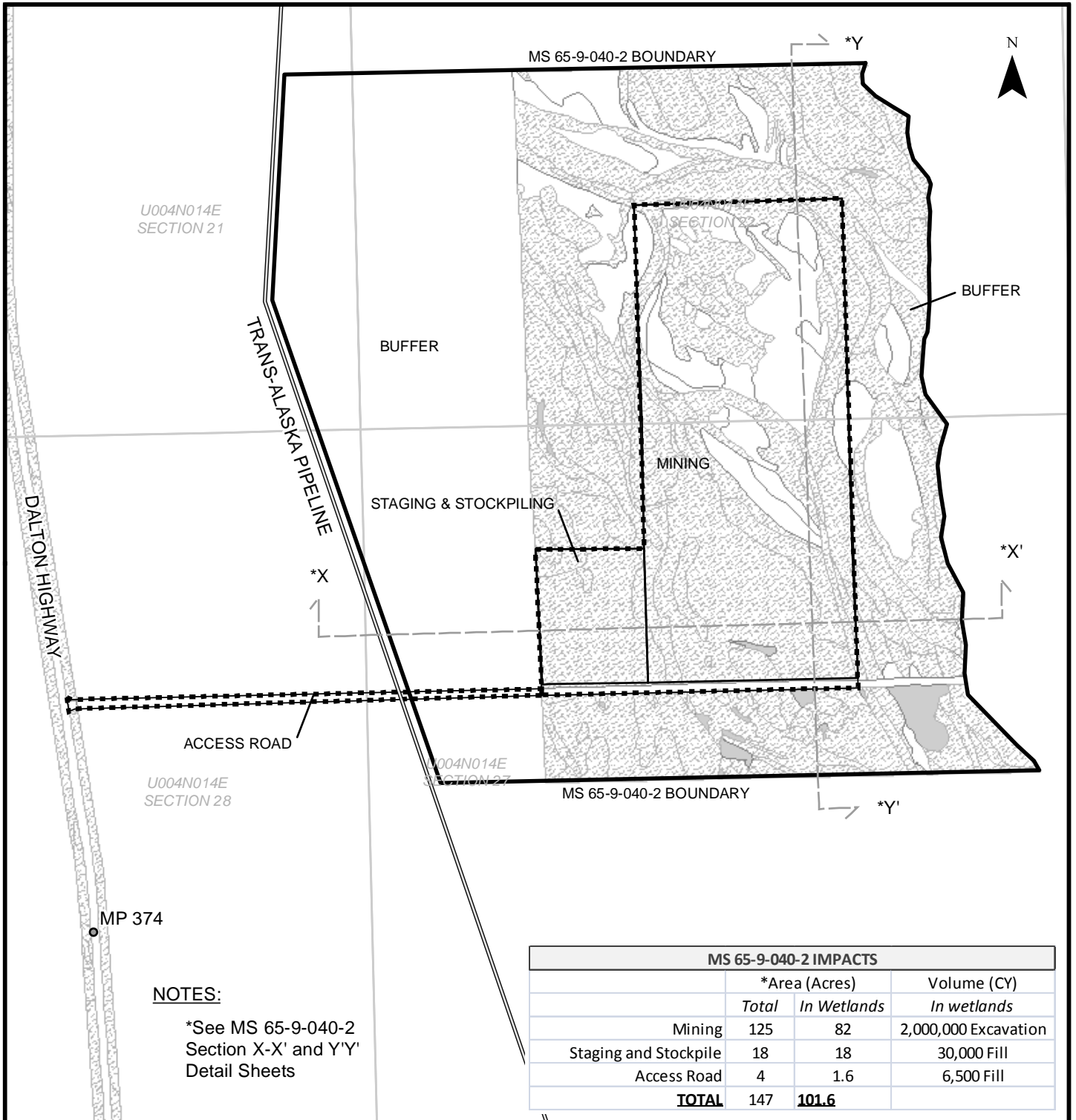
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MATERIAL SITE MS 65-9-024-2
 CROSS SECTION Y-Y'
 NOT TO SCALE

NOTES:
 1. SEE MATERIAL SITE 65-9-024-2 PLAN VIEW DETAIL

STATE OF ALASKA Department of Transportation and Public Facilities 2301 Peger Rd. Fairbanks, AK 99709	
DALTON HWY MP 379 - 401 REHABILITATION PROJECT 63818	
MS 65-9-024-2	SECTION Y-Y'
DATE: APRIL 2015	SHEET: 42



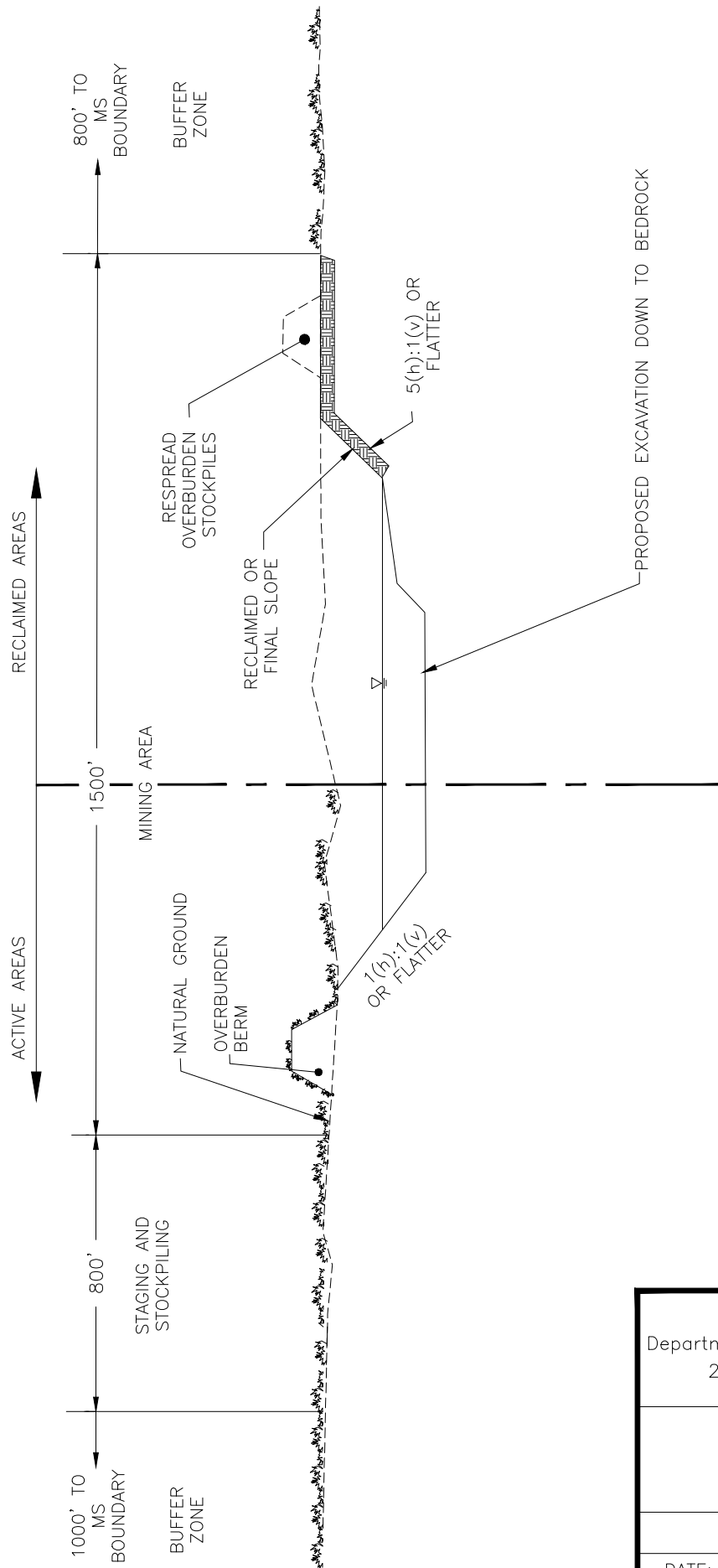
0 500 1,000 2,000 Feet

STATE OF ALASKA
 Department of Transportation and Public Facilities
 2301 Peger Rd. Fairbanks, AK 99709

DALTON HWY MP379-401
 REHABILITATION PROJECT
 63818

MS 65-9-040-2 DETAIL

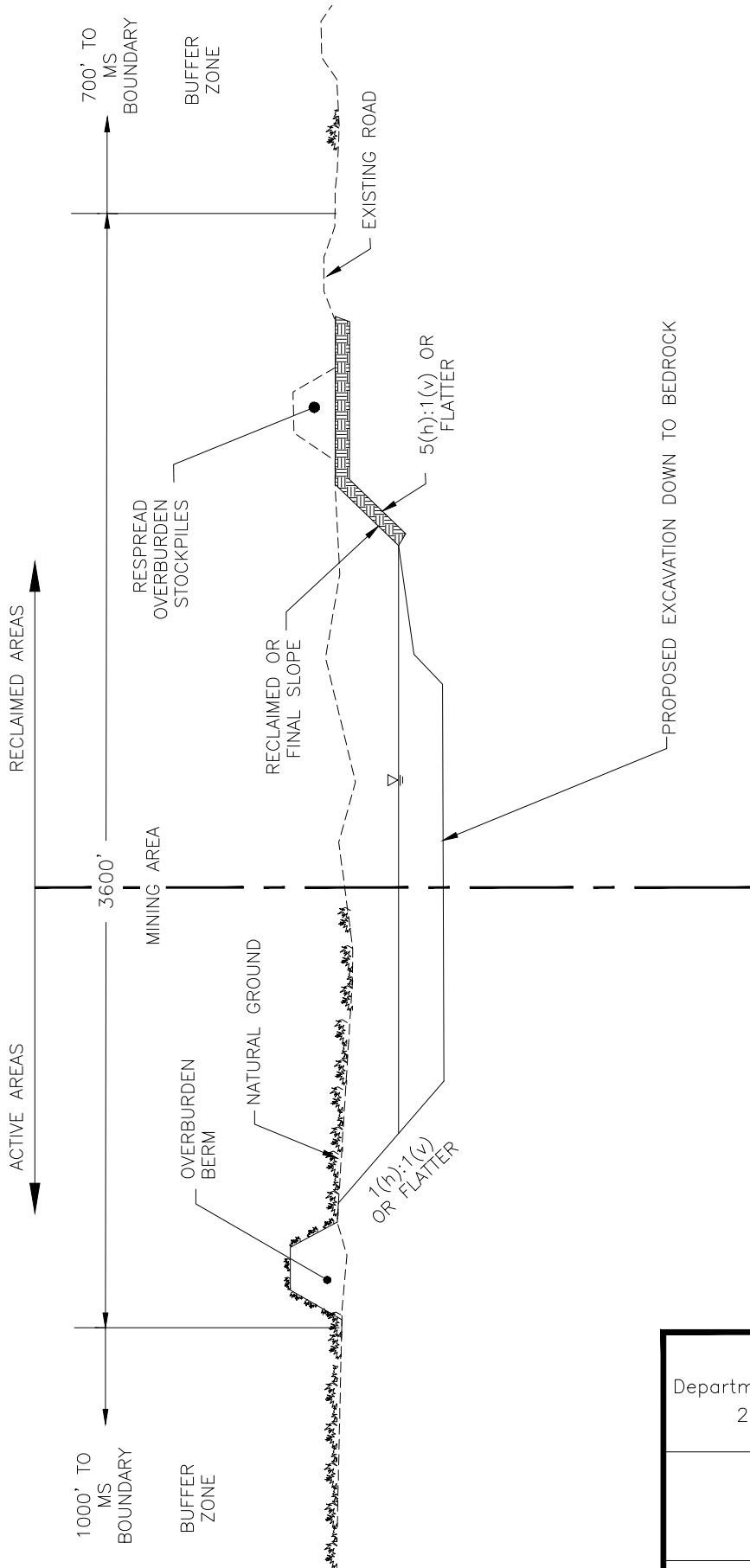
DATE: APRIL 2015 SHEET: 43



MATERIAL SITE MS 65-9-040-2
 CROSS SECTION X-X'
 NOT TO SCALE

NOTES:
 1. SEE MATERIAL SITE 65-9-040-2 PLAN VIEW DETAILS.

STATE OF ALASKA Department of Transportation and Public Facilities 2301 Peger Rd. Fairbanks, AK 99709	
DALTON HWY MP 379-401 REHABILITATION PROJECT 63818	
MS 65-9-040-2	SECTION X-X'
DATE: APRIL 2015	SHEET: 44



MATERIAL SITE MS 65-9-040-2
 CROSS SECTION Y-Y'
 NOT TO SCALE

NOTES:
 1. SEE MATERIAL SITE 65-9-040-2 PLAN VIEW DETAIL.

STATE OF ALASKA Department of Transportation and Public Facilities 2301 Peger Rd. Fairbanks, AK 99709	
DALTON HWY MP 379-401 REHABILITATION PROJECT 63818	
MS 65-9-040-2 SECTION Y-Y'	
DATE: APRIL 2015	SHEET: 45

U006N013E
SECTION 2

U006N013E
SECTION 1

MS 65-9-099-2 BOUNDARY

1510+00

1500+00

1490+00

ACCESS ROAD
1480+00

1470+00

1460+00

MS 65-9-099-2 BOUNDARY

MP 389

*X

*Y

*X'

*Y'



TRANS-ALASKA PIPELINE

BUFFER

BUFFER

BUFFER

STAGING & STOCKPILE

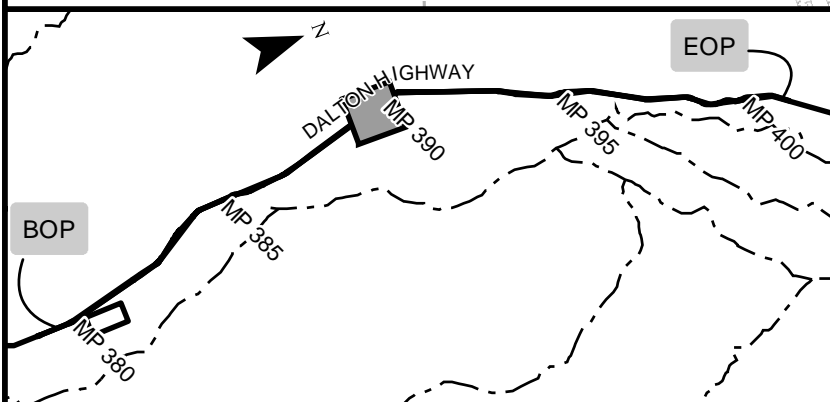
MINING

NOTES:

See MS 65-9-099-2
Section X-X' and Y-Y'
Detail Sheets

MS 65-9-099-2 IMPACTS

	*Area (Acres)		Volume (CY)
	Total	In Wetlands	In wetlands
Mining	100	98	3,000,000 Excavation
Staging and Stockpile	20	18	33,000 Fill
Access Road	0.2	0.1	1,000 Fill
TOTAL	120.2	116.1	



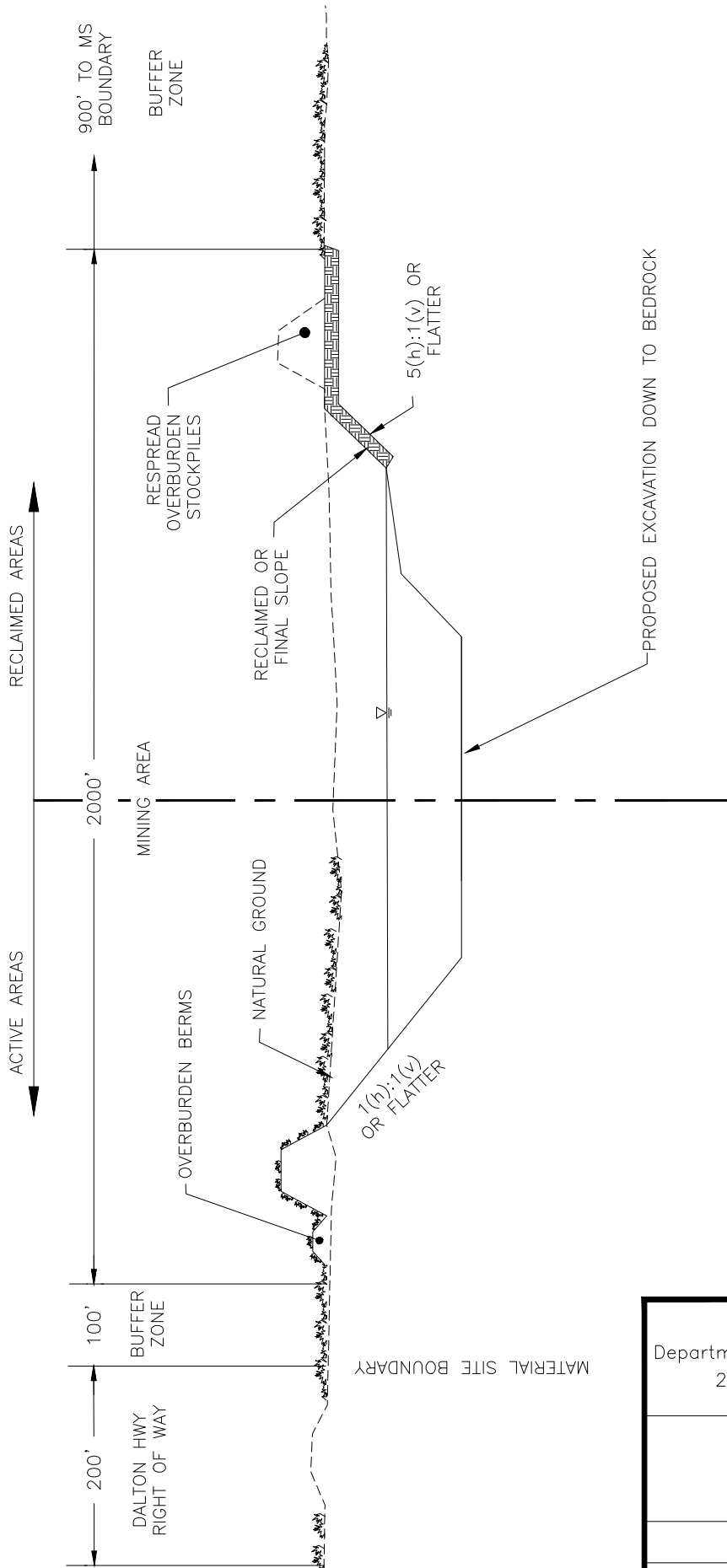
0 500 1,000 2,000 Feet

STATE OF ALASKA
Department of Transportation and Public Facilities
2301 Peger Rd. Fairbanks, AK 99709

DALTON HWY MP379-401
REHABILITATION PROJECT
63818

MS 65-9-099-2 DETAIL

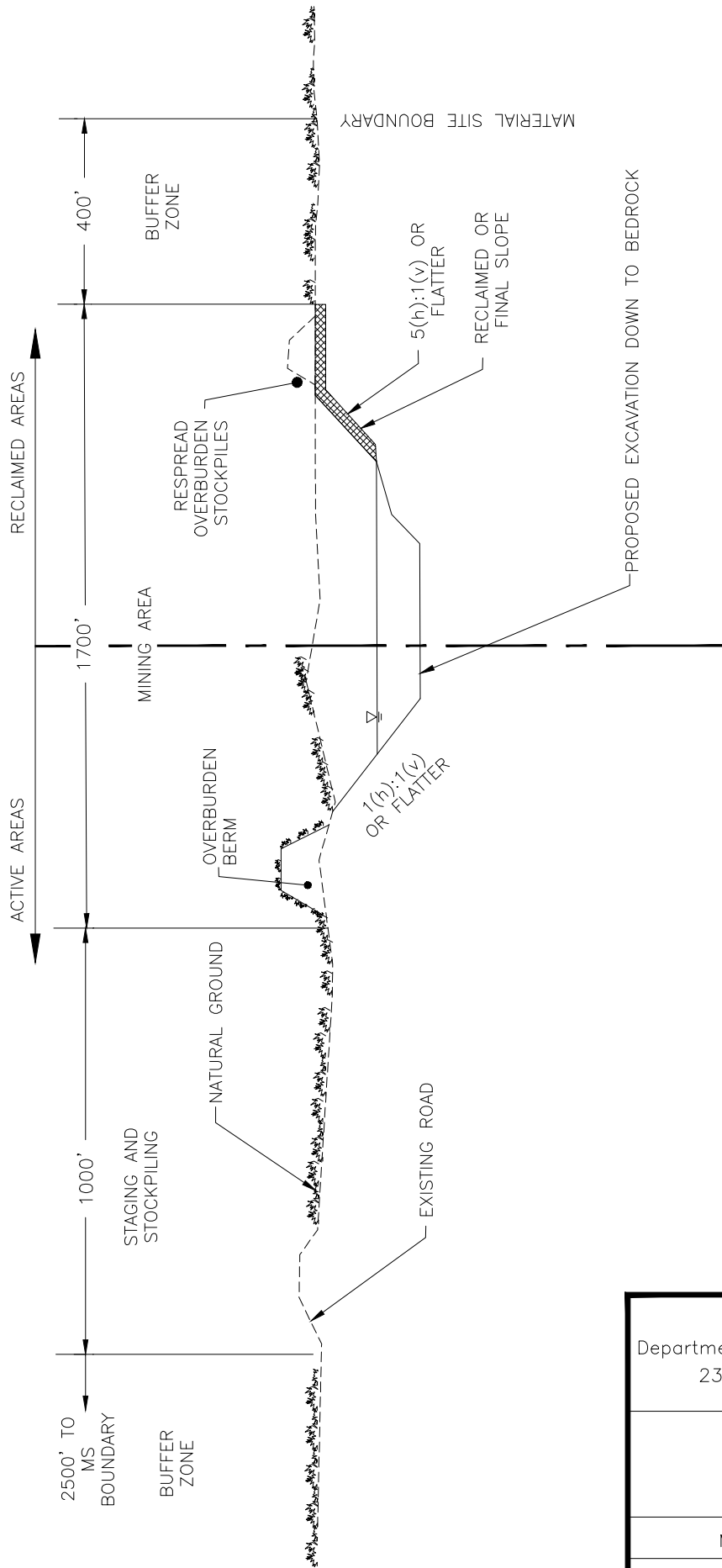
DATE: APRIL 2015 SHEET: 46



MATERIAL SITE MS 65-9-099-2
 CROSS SECTION X-X'
 NOT TO SCALE

NOTES:
 1. SEE MATERIAL SITE 65-9-099-2 PLAN VIEW DETAILS.

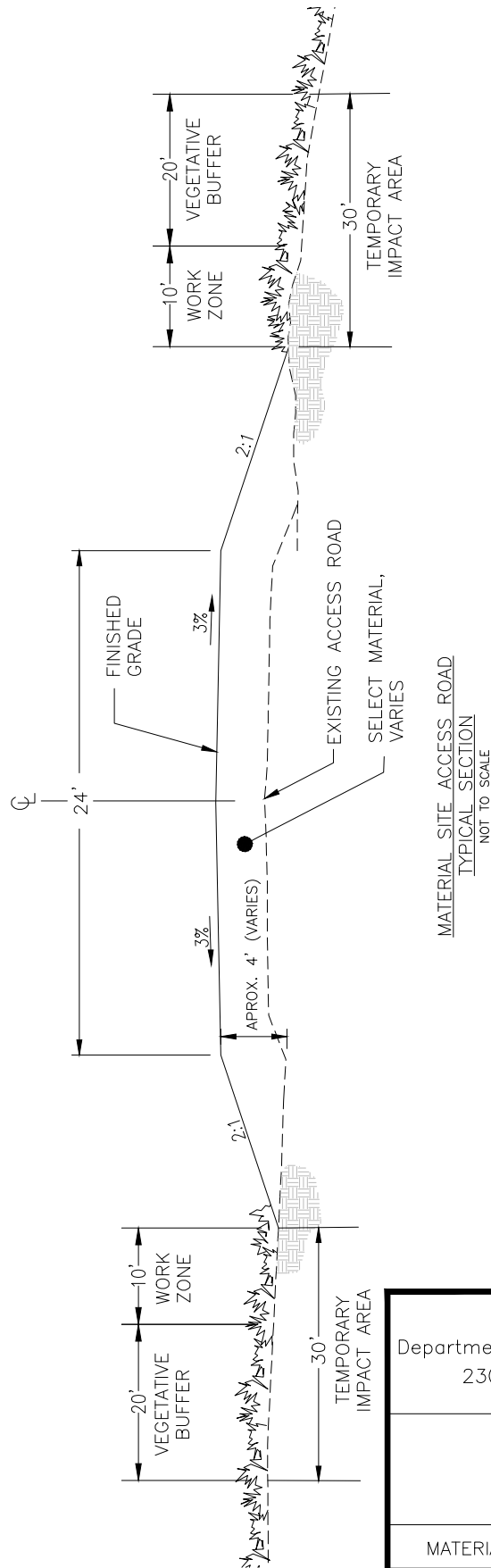
STATE OF ALASKA Department of Transportation and Public Facilities 2301 Peger Rd. Fairbanks, AK 99709	
DALTON HWY MP 379-401 REHABILITATION PROJECT 63818	
MS 65-9-099-2	SECTION X-X'
DATE: APRIL 2015	SHEET: 47



MATERIAL SITE MS 65-9-099-2
 CROSS SECTION Y-Y'
 NOT TO SCALE

NOTES:
 1. SEE MATERIAL SITE 65-9-099-2 PLAN VIEW DETAILS.

STATE OF ALASKA Department of Transportation and Public Facilities 2301 Peger Rd. Fairbanks, AK 99709	
DALTON HWY MP 379-401 REHABILITATION PROJECT 63818	
MS 65-9-099-2	SECTION Y-Y'
DATE: APRIL 2015	SHEET: 48



NOTES:

1. THE TEMPORARY IMPACT AREA EXTENDS 30' ON EITHER SIDE OF THE PERMANENT IMPACT AREA, AND IS DIVIDED INTO TWO SECTIONS; THE WORK ZONE, AND THE VEGETATIVE BUFFER, AS SHOWN ABOVE.
2. WORK WITHIN THE WORK ZONE INCLUDES VEGETATIVE CLEARING (NO GRUBBING), AND EQUIPMENT ACCESS TO ALLOW THE CONTRACTOR ADEQUATE ROOM TO CONSTRUCT EMBANKMENT SLOPES.
3. THE NATURAL VEGETATIVE MAT SHALL BE PRESERVED WITHIN THE VEGETATIVE BUFFER ZONE, AND SHALL SERVE AS A BEST MANAGEMENT PRACTICE (BMP) TO PROTECT SURROUNDING WETLAND AREAS FROM SEDIMENT RUNOFF.
4. SEE MATERIAL SITE PLAN VIEW SHEET 2 FOR PROPOSED MATERIAL SITE ACCESS ROAD LOCATION INFORMATION.

STATE OF ALASKA Department of Transportation and Public Facilities 2301 Peger Rd. Fairbanks, AK 99709	
DALTON HWY MP 379-401 REHABILITATION PROJECT 63818	
MATERIAL SITE ACCESS ROAD TYPICAL SECTION	
DATE: APRIL 2015	SHEET: 49

CULVERT SUMMARY

LOCATION		CULVERT DIAMETER	CULVERT LENGTH	IMPACTS TO WATERS OF THE U.S. (Below OHW)		COMMENTS
MILEPOST	STATION	(IN)	(FT)	**AREA (SQ FT)	FILL (CY)	
379	915+66	36	74	153	11	See Non-Fish Passage Culvert Detail
379.8	960+05	36	90	153	11	See Non-Fish Passage Culvert Detail
381.6	1051+95	36	84	153	11	See Non-Fish Passage Culvert Detail
	1052+42	36	82	153	11	See Non-Fish Passage Culvert Detail
381.9	1065+42	36	109	153	11	See Non-Fish Passage Culvert Detail
	1066+11.7	36	80	153	11	See Non-Fish Passage Culvert Detail
382	1077+66	36	100	153	11	See Non-Fish Passage Culvert Detail
	1078+36	36	82	153	11	See Non-Fish Passage Culvert Detail
382.6	1109+18.8	36	85	153	11	See Non-Fish Passage Culvert Detail
382.9	1125+29.5	48	75	272	20	See Fish Passage Culvert Detail
	1125+35.5	48	75	272	20	See Fish Passage Culvert Detail
383.3	1145+79	48	83	272	20	See Fish Passage Culvert Detail
	1145+89	48	83	272	20	See Fish Passage Culvert Detail
	1145+95	48	83	272	20	See Fish Passage Culvert Detail
383.4	1155+69	48	78	272	20	See Fish Passage Culvert Detail
	1155+75	48	78	272	20	See Fish Passage Culvert Detail
	1155+87.5	48	78	272	20	See Fish Passage Culvert Detail
	1155+93.5	48	78	272	20	See Fish Passage Culvert Detail
384.1	1188+18	48	76	272	20	See Non-Fish Passage Culvert Detail
	1188+36	48	80	272	20	See Non-Fish Passage Culvert Detail
386.1	1295+44	72	114	612	45	See Fish Passage Culvert Detail
386.5	1314+79.7	48	81	272	20	See Non-Fish Passage Culvert Detail
	1314+86	48	81	272	20	See Non-Fish Passage Culvert Detail
394.9	1735+99	48	91	272	20	See Fish Passage Culvert Detail
	1736+06	48	91	272	20	See Fish Passage Culvert Detail
	1736+14	48	91	272	20	See Fish Passage Culvert Detail
399.9	1997+80.8	48	100	272	20	See Fish Passage Culvert Detail
	1997+88.5	84	105	833	62	See Fish Passage Culvert Detail
	1997+96.3	48	100	272	20	See Fish Passage Culvert Detail
			TOTAL:	7718	572	

1. Culvert Impact Areas are included in the 'Permanent Impact Area' boundary shown on sheets 6-38.
2. Culvert locations and dimensions are approximate and may be adjusted to fit existing drainage features.

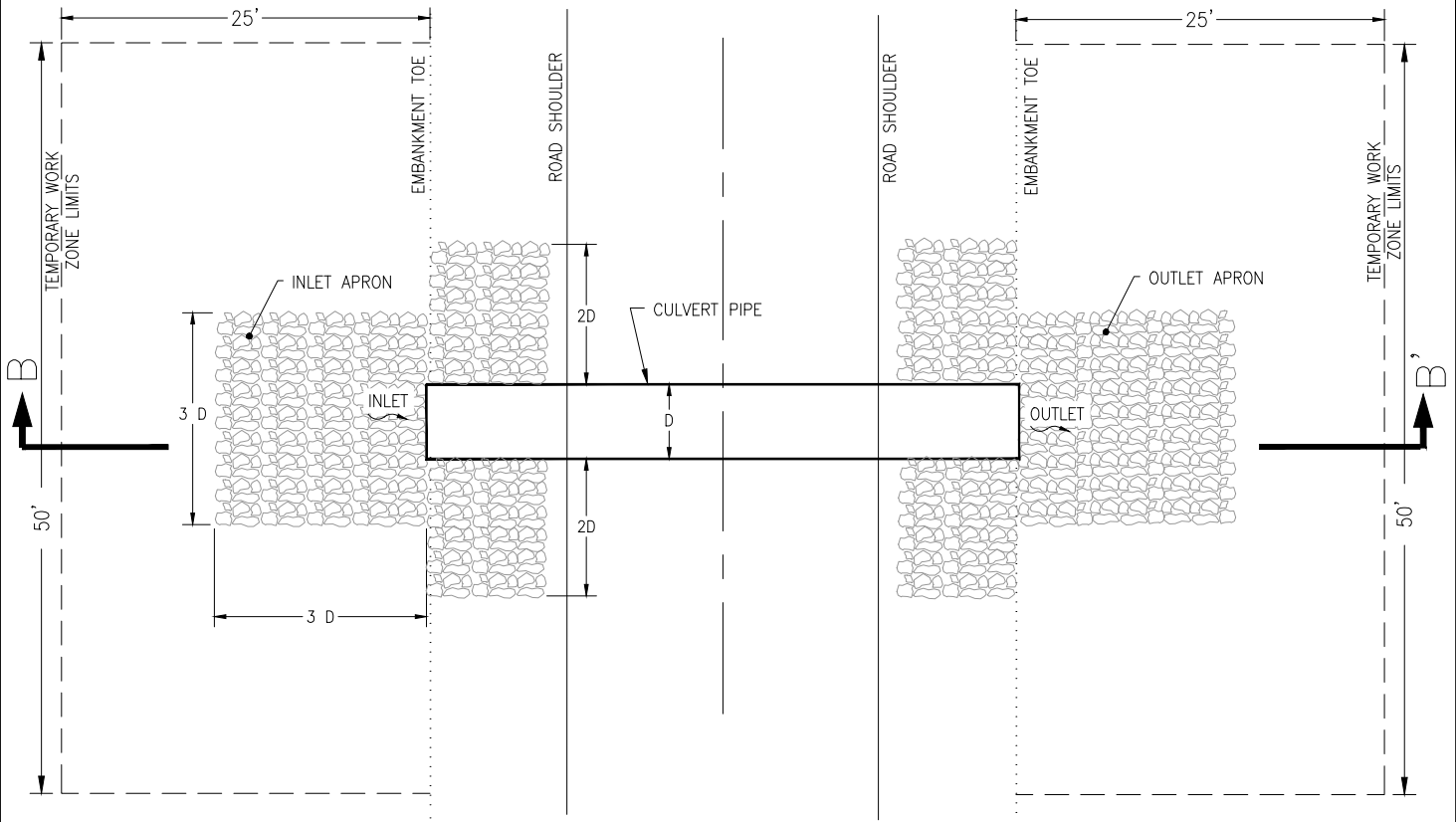
STATE OF ALASKA
Department of Transportation and Public Facilities
2301 Peger Rd. Fairbanks, AK 99709

DALTON HWY MP379-401
REHABILITATION PROJECT
63818

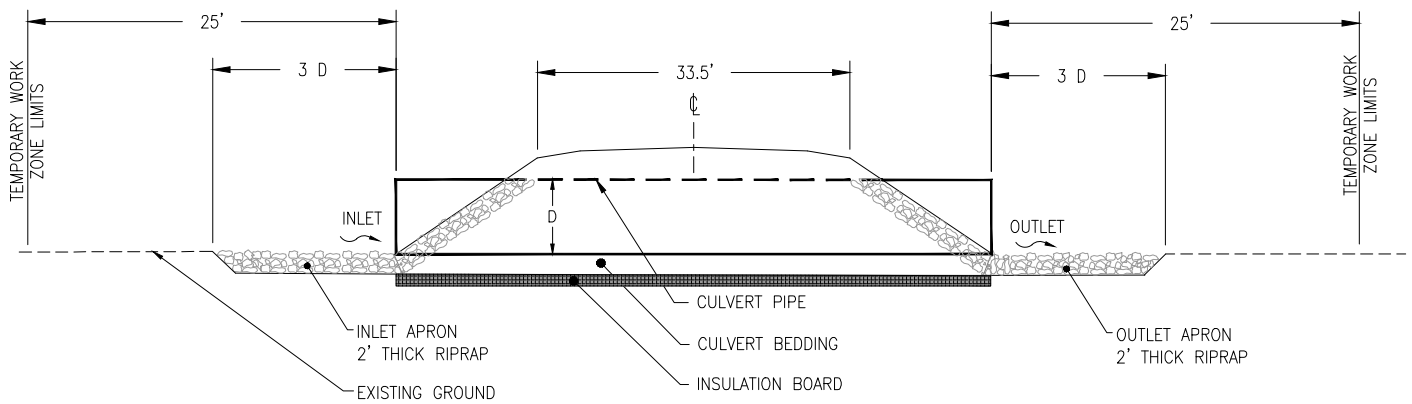
CULVERT SUMMARY

DATE: APRIL 2015 SHEET: 50

H:\Projects\Dalton_Hwy\63818_Dalton_379_401\5_Environmental\9_Enviro Drawings\CAD Files\CULVERT TYPICALS_generic culvert-NONFISH PASSAGE DETAIL.Thru, 16/Apr/15 04:00pm



TYPICAL CULVERT APRON DETAIL
NOT TO SCALE



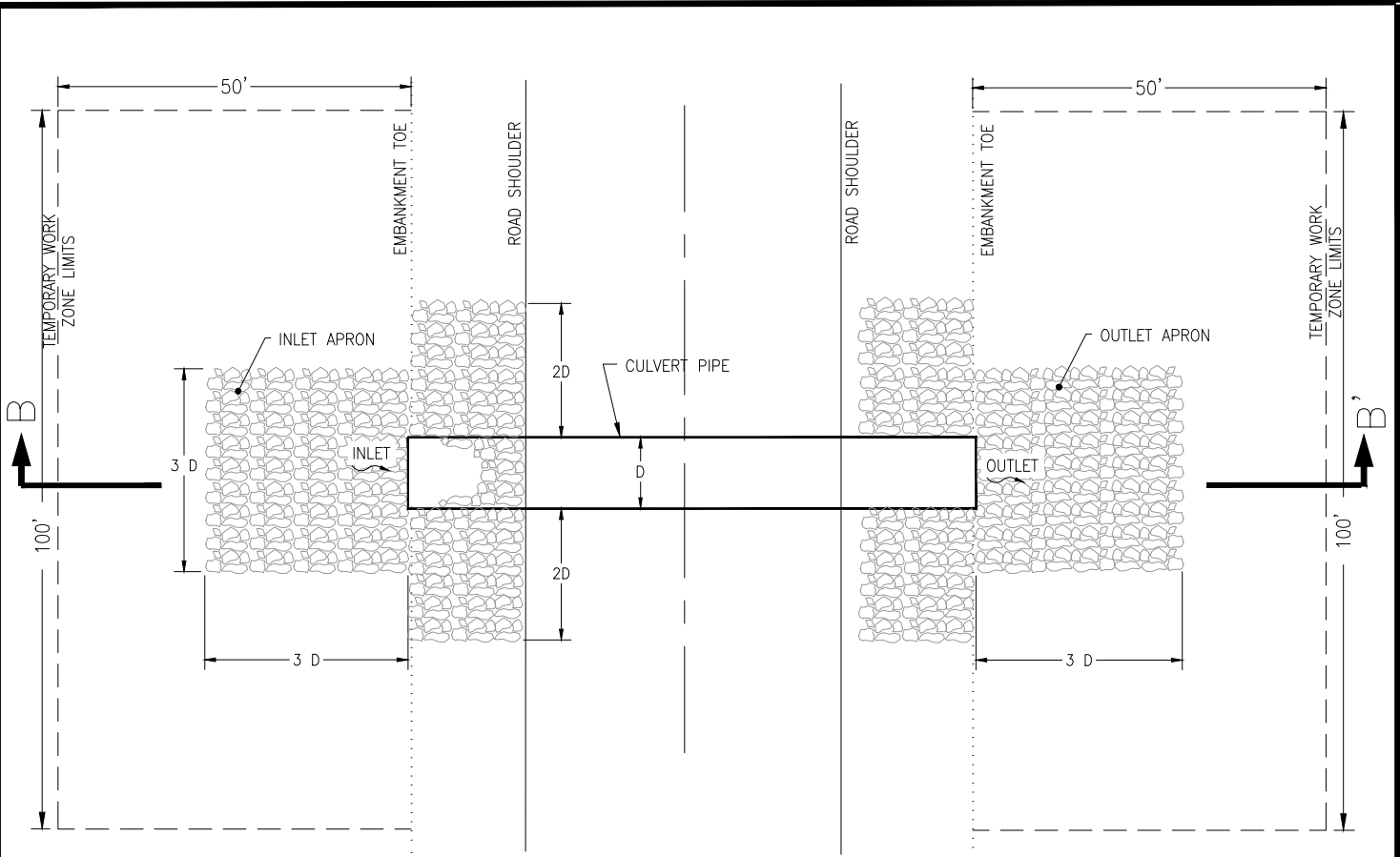
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NOTES:

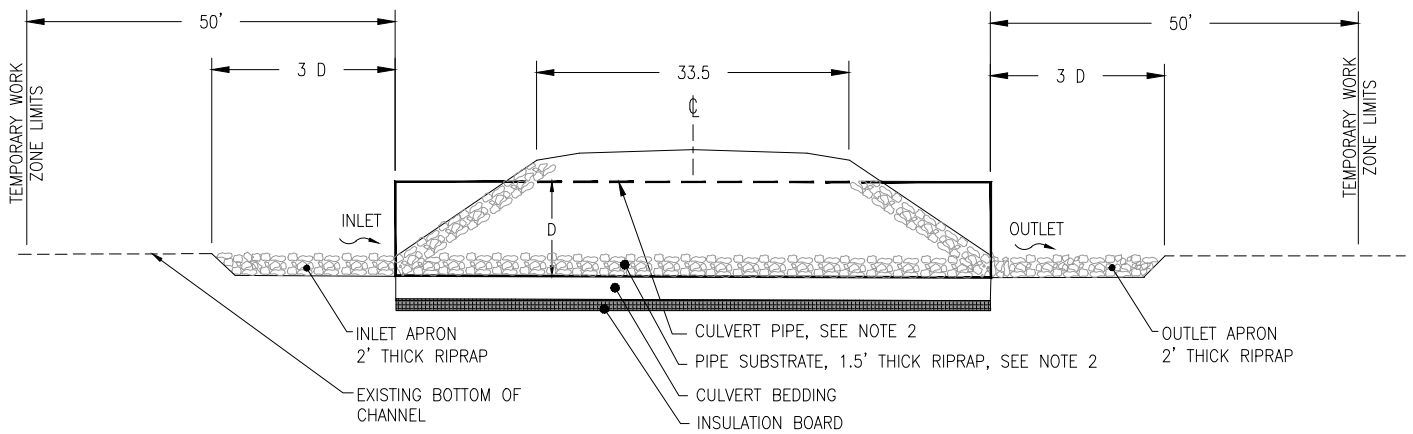
SEE CULVERT AND APRON SUMMARY TABLE, SHEET

STATE OF ALASKA Department of Transportation and Public Facilities 2301 Peger Rd. Fairbanks, AK 99709	
DALTON HWY MP 379-401 REHABILITATION PROJECT 63818	
NON-FISH PASSAGE CULVERT DETAIL	
DATE: APRIL 2015	SHEET: 51

H:\Projects\Dalton_Hwy\63818_Dalton_379_401\5_Environmental\9_Enviro Drawings\CAD Files\CULVERT TYPICALS_generic culvert-FISH PASSAGE DETAIL Thu, 16/Apr/15 03:47:pm



TYPICAL FISH PASSAGE CULVERT
APRON DETAIL
NOT TO SCALE



SECTION B-B'
NOT TO SCALE

NOTES:

1. SEE CULVERT AND APRON SUMMARY TABLE, SHEET
2. CULVERT INVERTS ARE DEPRESSED 1.5' BELOW THE BOTTOM OF THE EXISTING CHANNEL, AND FILLED WITH 1.5' THICK SUBSTRATE THROUGH THE LENGTH OF CULVERT TO PROVIDE FISH PASSAGE.

<p>STATE OF ALASKA Department of Transportation and Public Facilities 2301 Peger Rd. Fairbanks, AK 99709</p>	
<p>DALTON HWY MP 379-401 REHABILITATION PROJECT 63818</p>	
<p>FISH PASSAGE CULVERT DETAIL</p>	
DATE: APRIL 2015	SHEET: 52