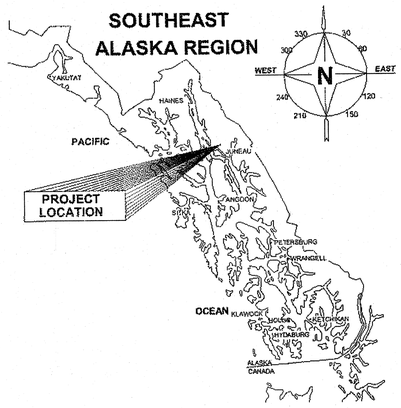
State of Alaska

Department of Transportation and Public Facilities Southeast Region

JUNEAU, ALASKA

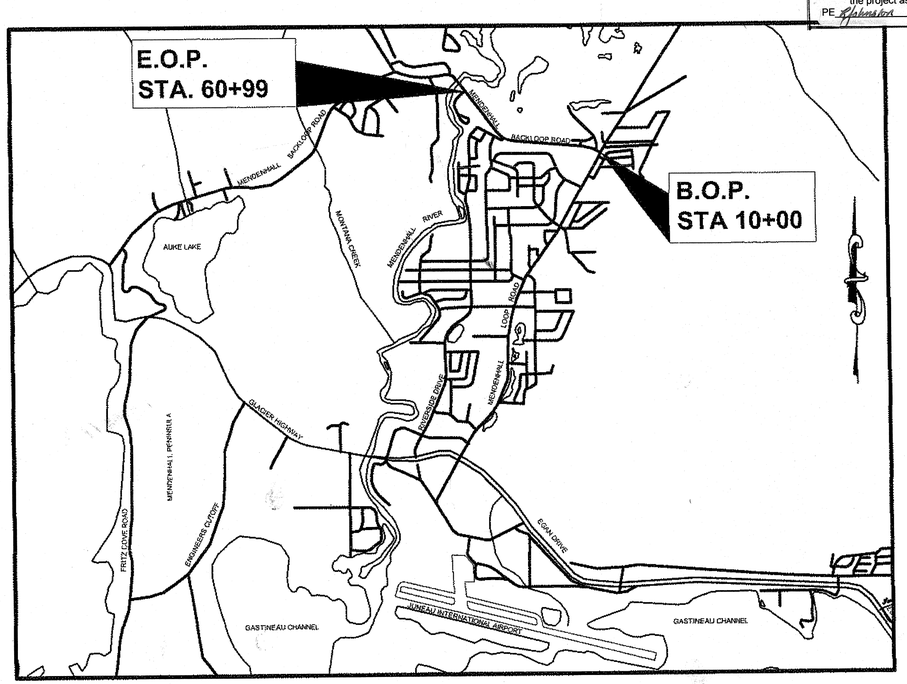
The undersigned hereby certifies that this duplicated document is an exact and true copy of the original.

DEC 23 2013



BACKLOOP SHARED USE PATH REHABILITATION
PROJECT No. TEA-0966(27)~69917

AS-BUILT NOTES	BACKLOOP SHARED USE PATH REHAB.
Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed. PE Rykenstra Date 8/20/14	CONTRACTOR: SECON
	START CONSTRUCTION: 04.17.2014
	END CONSTRUCTION: 08.04.2014



VICINITY MAP

BACKLOOP ROAD DESIGN DESIGNATION

A.D.T. 2015	=	4770
A.D.T. 2035	=	5260
D.H.V. (10.7%) 2015	=	570
D.H.V. (10.7%) 2035	=	630
% T	=	11.5 %
V	=	45 M.P.H.
E.A.L.	=	1,250,000

PROJECT SUMMARY

CDS ROUTE NO.	=	296401
CDS MILEPOINT		0.00 TO 0.983
LENGTH OF PROJECT	=	5099 FT
LENGTH OF PAVING	=	4949 FT
WIDTH OF PAVING	=	10 FT

THE FOLLOWING STANDARD DRAWINGS APPLY TO THIS PROJECT:

A-1	D-04.21	E-13.00	~~S-23.00~~
C-03.10	D ~~22.01~~ 25.00	S-00.11	S-30.03
C-04.12	D-24.00	S-05.01	~~U-03.00~~
D-01.02	D-26.02	S-20.10	

INDEX

PATH: Q:\JNU\69917\PLANSET\69917_A1_TITLE.DWG TAB:A1

Monday, February 04, 2013 4:33:06 PM

PLOT: PSPACE OR MSPACE: 1=1(F)

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

STATE OF ALASKA * 49 TH * Charles M. Tripp CE-9613 REGISTERED PROFESSIONAL ENGINEER

8/23/13

APPROVED: Chuck Correa 9/3/13
REGIONAL PRE-CONSTRUCTION ENGINEER — DATE
CHUCK CORREA, P.E.

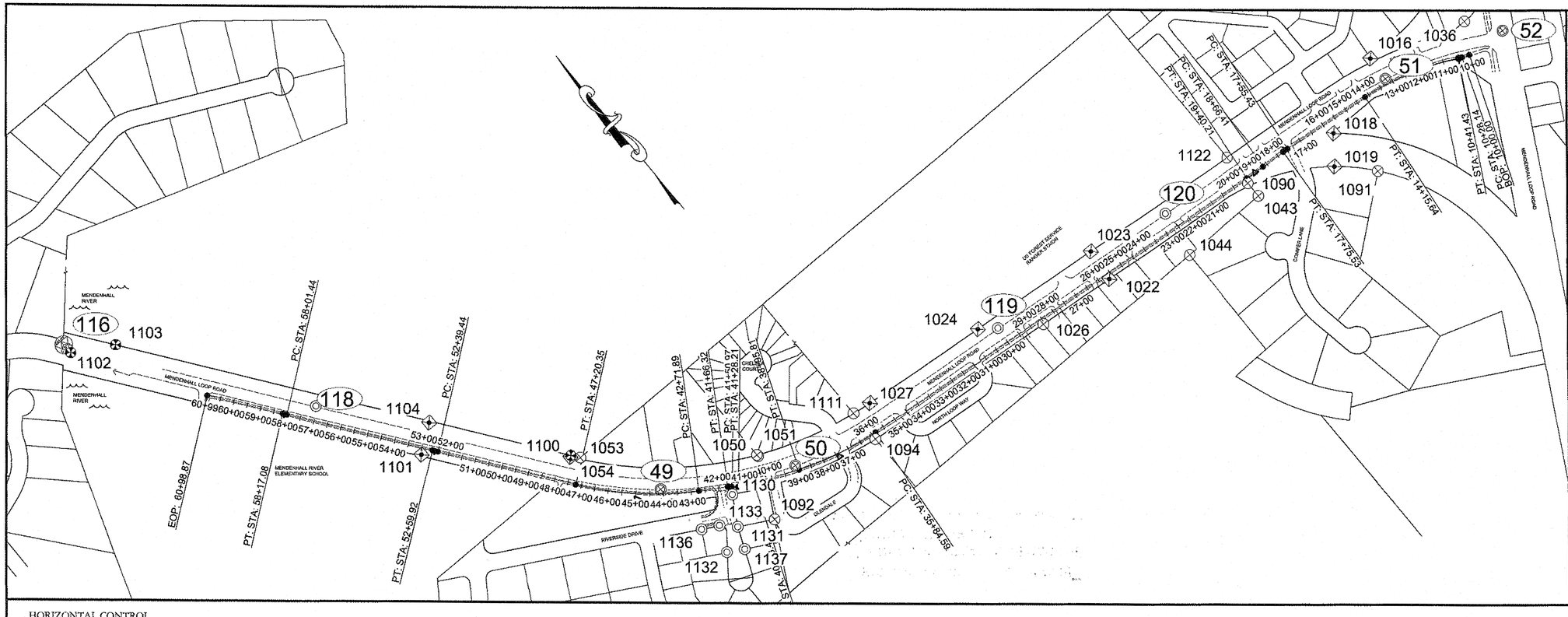
APPROVED: for Chuck Correa 9/3/13
DIRECTOR, SOUTHEAST REGION — DATE
ALBERT H. CLOUGH, CPG

CERTIFIED TRUE & CORRECT AS-BUILT OF ACTUAL FIELD CONDITION:

2-12-15
CONSTRUCTION PROJECT MANAGER — DATE

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	TEA-0966(27)~69917	2013	A1	38

69917 Loop



PATH: G:\JNU\699917\SV\C3D\SOURCE DWGS\BASEMAP\A2_SHT_BKLOOP.D

CHAMBERS, LUCAS M (DOT)
TAB: A2 Thursday, August 22, 2013 1:54:14

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

MONUMENT NOTES:

1. If any pair of control points disagrees from published value by more than 1:10,000 horizontally or vertically then a third network point must be tied to ascertain which point is in error or has been disturbed.

2. Whether listed or not, all monuments, property markers, or accessories that will be disturbed or buried shall be referenced prior to being disturbed, and re-established in their original position and a record of monument form in accordance with A.S.34.65.040 shall be submitted to the construction engineer for review prior to recording. Coordinate values listed are for informational purposes and should be used to reset monuments only as a last resort.

HORIZONTAL CONTROL

Horizontal Control for this project is based on the DOT/PF 2000 Juneau Grid

The DOT/PF Juneau Grid-2000 System is a local ground coordinate system based at USC&GS first order control station EDDIE. It relates to AKSPC zone 1 NAD83 (1992) through the following parameters:
Zone = NAD83 (1992) AKSPC ZONE 1
Grid Scale = 0.999928875
Convergence = -0°45'27.26"
Translation about USC&GS point EDDIE as follows:
AKSPC Northing = 2383469.17310 FT US
AKSPC Easting = 2512570.06318 FT US
Local Northing = 500000.0000 FT US
Local Easting = 500000.0000 FT US

Project Specific Horizontal Control

SH 50: 2.5" Shoulder Monument in well case
JNU-Grid N 515600.63 FT US, E 498739.95 FT US
AKSPC ZONE1 N 2399083.99 FT US , E 2511516.46 FT US

SH 51 : 2.5" Shoulder Monument in well case
JNU-Grid N 515287.37 FT US, E 501298.09 FT US
AKSPCZONE1 N 2398736.96 FT US, E 2514070.05 FT US

VERTICAL CONTROL

The Vertical Datum for JNU Grid-2000 is MLLW Gastineau Channel tidal datum based on third order differential levels and supplemented with GEOID '99 modeled orthometric heights. The tidal epoch is 1960-1978, but this epoch has been updated with a 5 year observation period from Jan '94 to Dec '98 published Nov '99. The latest NOS publication (10-2011) on the 1983-2001 tidal epoch indicates the datum has risen 0.32'.

The Project Specific Basis of Vertical Control is point #116 a 3.5" BC set in the Mendenhall River Bridge in the Northwest corner of the sidewalk on the North side of the Backloop Road. control point 116 has an observed elevation of 72.00 feet above MLLW.

A2 PROPERTY TABLE

Point #	Northing	Easting	Elevation	Description	Station	Offset
49	515847.82	498307.35	56.64	SH_MON2.5"_DOT	44+10.41	16.34R
50	515600.63	498739.95	56.25	SH_MON2.5"_DOT	39+03.83	18.90R
51	515287.37	501298.09	65.58	SH_MON2.5"_DOT	13+19.40	18.92R
52	515144.38	501741.41	67.76	SH_MON2.5"_DOT	N\A	N\A
116	5176631.20	496977.70	72.00	GPS_BC_MENDENHAL	N\A	N\A
1016	515378.74	501304.25	65.01	ROW_POST_CONC6"X6"	13+31.39	109.61R
1018	515257.56	501026.51	61.49	ROW_POST_CONC6"X6"W/CU WIRE	15+84.14	46.29L
1019	515164.80	500950.25	61.54	ROW_POST_CONC6"X6"W/CU TACK	16+49.44	147.06L
1022	515383.22	500054.47	59.04	ROW_POST_CONC6"X6"	25+64.48	18.53L
1023	515502.51	500066.35	57.67	ROW_POST_CONC6"X6"	25+64.67	101.34R
1024	515552.28	499568.94	55.11	ROW_POST_CONC6"X6"	30+64.76	100.00R
1026	515412.05	499764.88	56.47	ALCAP3"_LS_TR-A/LS_TR-A	28+55.50	19.46L
1027	515600.48	499094.32	54.25	ROW_POST_CONC6"X6"	35+41.82	99.42R
1036	515260.19	501654.45	65.39	BC3.25"_C3S3758/C3S1528/C3S1527/C1S1530	N\A	N\A
1043	515261.70	500668.64	60.88	BC3.25"_S3758_C3-L1/C4-L2/S1529	19+41.12	76.63L
1044	515262.54	500334.57	58.91	BC3.25"_C4-S3758/C2-S1592/C1_S1799	22+73.52	109.94L
1050	515714.38	498656.87	50.66	ALCAP2.5"_DIGGER_TRB2XA_TRB3_ROW	40+23.19	93.68R
1051	515720.39	498656.14	51.12	ALCAP3.5"_DIGGER_TRB_TRA_5_4_ROW	40+26.11	98.99R
1053	516121.76	498156.92	60.50	BC3.25"_BLM_L1C4_L2_S2080_S2385_POC	47+27.22	99.21R
1054	516146.59	498130.16	59.69	ROW_POST_CONC6"X6"W/CU TACK	47+63.15	92.73R
1090	515321.75	500668.54	61.46	BC3"/IP_L1-TRC-S3758/L1-TRA-S3758/L2-S37	19+47.35	16.90L
1091	515051.20	501060.56	60.37	ALCAP3"_L1-S1529	15+27.02	247.49L
1092	515499.17	498556.33	53.15	BC2.5"_WKVH	40+36.67	143.47L
1094	515487.91	499025.59	53.48	BC3"_TR-A&C_S3758/S2080	35+98.44	19.68L

A2 PROPERTY TABLE

Point #	Northing	Easting	Elevation	Description	Station	Offset
1100	516149.99	498135.13	58.86	BLM_BC3"_L2/C5-L1/S2385	47+62.88	98.75R
1101	516501.13	497716.38	57.91	ROW_POST_CONC6"X6"	52+94.92	25.57L
1102	517593.31	496979.03	70.20	BLM_BC3"_NO-MARKING	N\A	N\A
1103	517512.12	497121.85	63.93	BLM_BC3"_WCMC_C5-L1/L2-S2358	N\A	N\A
1104	516572.84	497812.65	63.17	ROW_POST_CONC6"X6"	52+95.42	94.47R
1111	515609.70	499025.29	53.70	BC3"_L1-TRC/L1-TRB/S3758&S2080_TNA	36+14.10	101.18R
1122	515441.88	500668.64	60.85	BC3"L2/L1-TRC/L1-TRB/S3758/TNA	19+59.53	102.61R
1130	515667.42	498495.60	52.55	PLASCAP	41+48.65	27.82L
1131	515565.26	498435.19	51.49	PLASCAP_EMPS	41+27.86	144.62L
1132	515520.50	498345.67	51.90	PLASCAP_1410S	42+02.18	233.09L
1133	515611.66	498387.25	51.31	PLASCAP_1410S	42+15.28	133.75L
1136	515642.22	498328.13	51.30	PLASCAP_BEAN	42+80.61	139.23L
1137	515487.38	498402.81	53.47	REBAR	41+16.21	229.62L

A2 CONTROL TABLE

Point #	Northing	Easting	Elevation	Description	Station	Offset
118	516879.87	497538.22	68.11	ALCAP1	57+05.43	56.07R
119	515507.97	499627.97	57.14	ALCAP1	30+61.51	61.95R
120	515434.14	500362.17	60.56	ALCAP1	22+63.61	63.58R

ALL MONUMENTS IN THE PROPERTY TABLE SHALL BE PRESERVED OR REFERENCED PRIOR TO DISTURBANCE AND REPLACED AT THEIR ORIGINAL HORIZONTAL POSITION.

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE Johnston Date 8/29/14

ALL MONUMENTS IN THE CONTROL TABLE ARE PROVIDED STRICTLY FOR SURVEY CONTROL. SHOULD ANY OF THEM BE DESTROYED DURING CONSTRUCTION THEY SHALL NOT BE REPLACED.

CHECKED BY: D.IGNOTOV

STATE OF ALASKA 49TH — Daniel M. Ignotov No. 11296 — REGISTERED PROFESSIONAL LAND SURVEYOR

DESIGNED BY: J.PAPOI

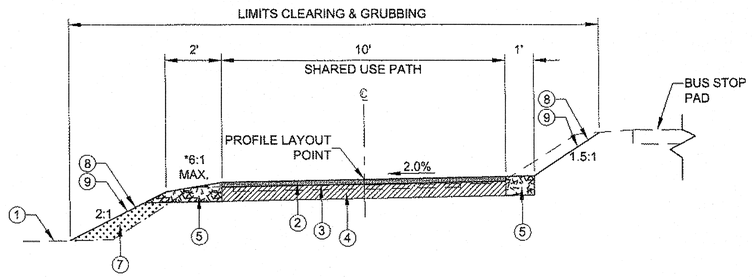
DRAWN BY: J.PAPOI

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION-SOUTHEAST REGION

BACKLOOP SHARED USE PATH REHABILITATION
PROJECT #69917

SURVEY CONTROL

PROJECT DESIGNATION	
69917	
STATE	YEAR
ALASKA	2013
SHEET NUMBER	TOTAL SHEETS
A2	38

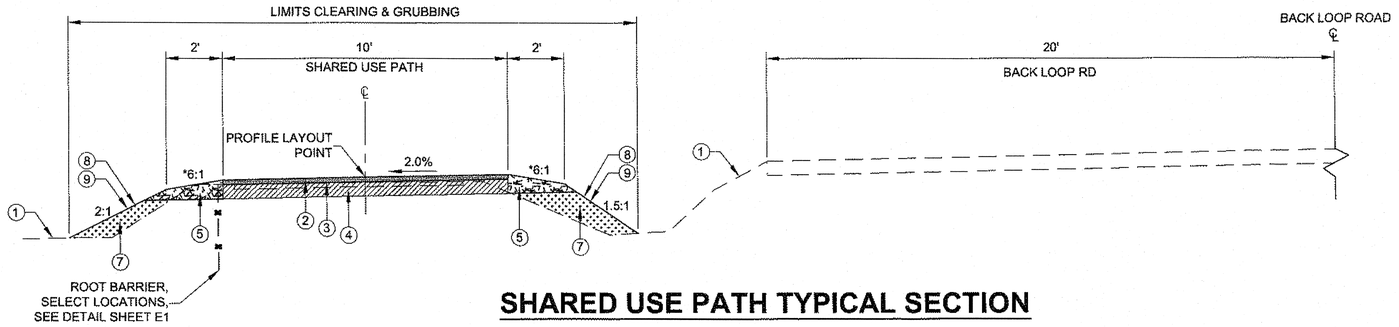


SHARED USE PATH TYPICAL SECTION

STA. 10+00.00 TO 10+34.50

MATERIAL LEGEND

1. EXISTING GROUND
2. 2" ASPHALT CONCRETE, TYPE II, CLASS B
3. ~~STE-1 ASPHALT FOR TACK COAT~~ NOT INSTALLED
4. 6" CRUSHED ASPHALT BASE COURSE (CABC)
5. 8" AGGREGATE BASE COURSE, GRADING D-1
6. 6" AGGREGATE BASE COURSE, GRADING D-1
7. SELECT MATERIAL, TYPE A
8. BONDED FIBER MATRIX
9. SEEDING



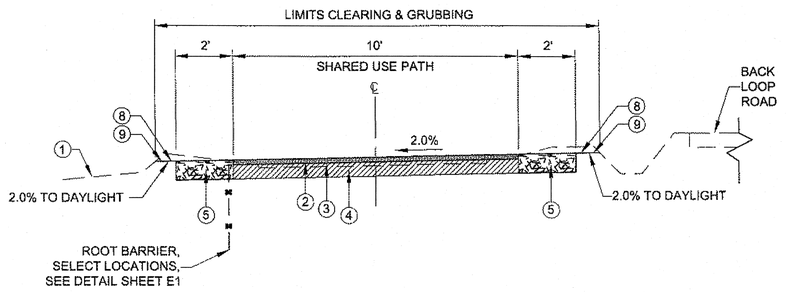
SHARED USE PATH TYPICAL SECTION

STA. 10+34.50 TO 17+34.50
STA. 17+61.50 TO 22+28.00
STA. 22+53.00 TO 24+46.00
STA. 24+63.00 TO 26+10.00
STA. 26+29.00 TO 27+71.50
STA. 27+88.50 TO 29+22.50
STA. 29+39.50 TO 31+20.50
STA. 31+47.50 TO 34+49.00
STA. 34+77.50 TO 36+87.00
STA. 37+35.00 TO 39+87.50
STA. 40+15.00 TO 41+21.50

*FORESLOPE VARIES, GRADE AT 6:1 OR 2 FEET.

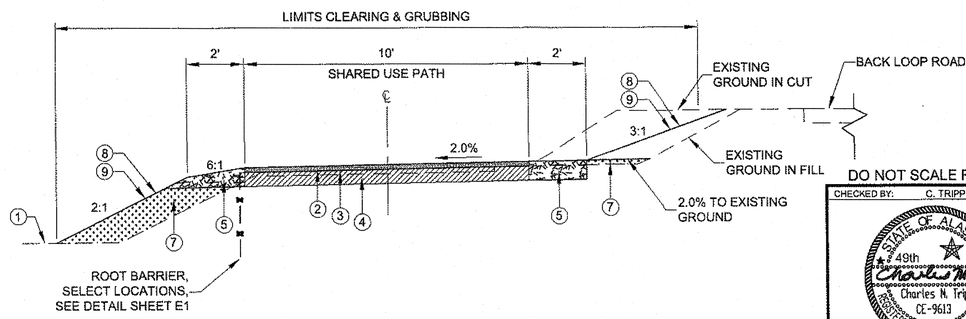
TYPICAL SECTION GENERAL NOTES:

1. TYPICAL SECTION STATIONING IS APPROXIMATE. APPLY TYPICAL SECTION TO MATCH AT EXISTING JOINTS & MINIMIZE THE AMOUNT OF NEW JOINTS CREATED, SEE PAVEMENT MATCH JOINT DETAIL SHEET E1.
2. PULVERIZING DEPTH SHALL BE AS SHOWN TO CONSTRUCT 8" CABC. PULVERIZING TO CONSTRUCT CRUSHED ASPHALT BASE COURSE SHALL BE PAID FOR UNDER ITEM 308.
3. REMOVE EXISTING TREE ROOTS WITHIN THE CABC LIMITS BEFORE PULVERIZING TO CONSTRUCT CRUSHED ASPHALT BASE COURSE.
4. CONTRACTOR SHALL MAKE INITIAL PULVERIZING PASS THEN ADD AGGREGATE FOR CRUSHED ASPHALT BASE COURSE, IF REQUIRED TO MEET A SMOOTH AND UNIFORM GRADE. THE ENGINEER SHALL APPROVE GRADE PRIOR TO APPLYING ASPHALT CONCRETE.
5. ADDITIONAL MATERIAL NEEDED TO REPLACE REMOVED DRIVEWAY ASPHALT & MAKE GRADE ADJUSTMENTS SHALL BE AGGREGATE BASE COURSE, GRADING D-1.
6. BENCH EMBANKMENTS TO PERMIT COMPACTING OPERATIONS PER SECTION 203.
7. STABILIZE ALL NEW EMBANKMENT AND CUT SLOPES WITH SEEDING AND BONDED FIBER MATRIX PER SECTION 618 & SECTION 619.



SHARED USE PATH ALTERNATIVE TYPICAL SECTION

WHERE NECESSARY TO FACILITATE DRAINAGE



SHARED USE PATH TYPICAL SECTION

STA. 41+21.50 TO 41+66.50
STA. 42+14.00 TO 42+90.00
STA. 43+80.00 TO 56+60.00
STA. 57+30.00 TO 59+15.00
STA. 60+75.00 TO 60+99.00

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE _____ Date 9/04/14

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: C. TRIPP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

BACKLOOP SHARED USE PATH REHABILITATION
PROJECT #69917

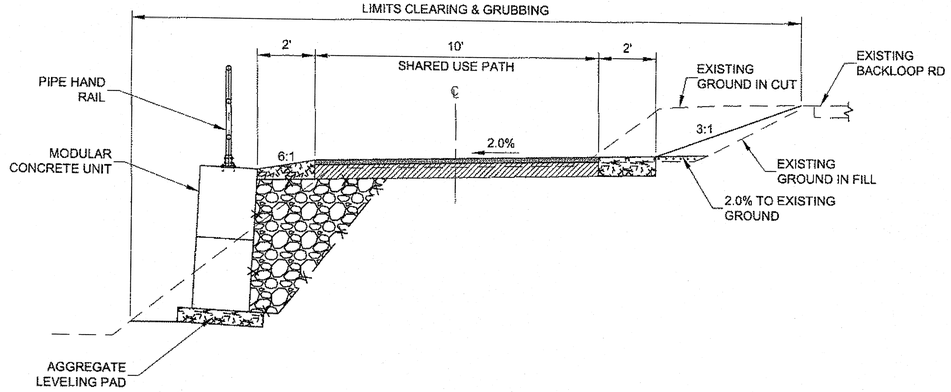
STATE OF ALASKA · 49th · Charles N. Tripp · CE-9613 · REGISTERED PROFESSIONAL ENGINEER 8/23/13

DESIGNED BY: L. CHAMBERS
DRAWN BY: L. CHAMBERS

TYPICAL SECTIONS

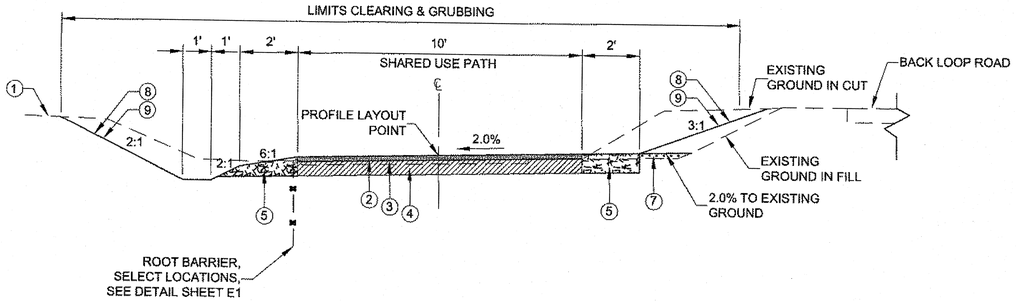
PATH: Q:\JNU\69917\PLANSET\69917_B1-B2_TYPICAL.DWG
TAB: B1 Friday, August 23, 2013 8:51:43 AM CHAMBERS, LUCAS M (DOT)

REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION				
			TEA-0966(27)~69917	2013	B1	38



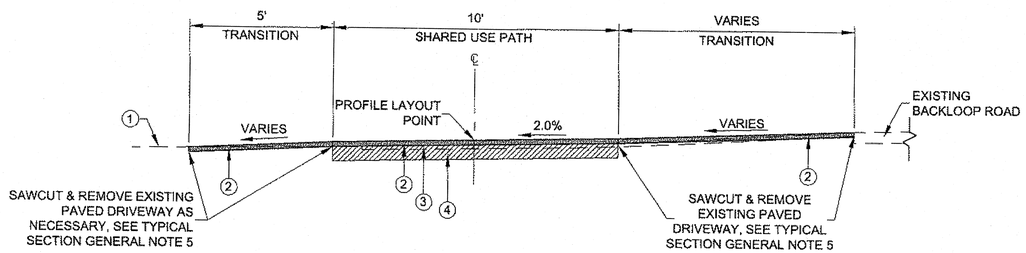
RETAINING WALL TYPICAL SECTION

STA. 42+88 TO 43+80
***SEE M SHEETS**



SHARED USE PATH DITCH CONSTRUCTION TYPICAL SECTION

STA. 56+60.00 TO 57+30.00
STA. 59+15.00 TO 60+75.00

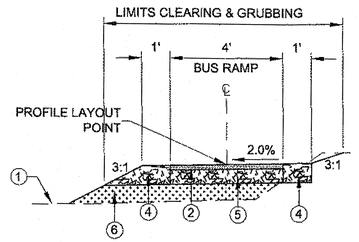


DRIVEWAY TYPICAL SECTION

STA. 22+28.00 TO 22+53.00
STA. 24+46.00 TO 24+63.00
STA. 27+71.50 TO 27+88.50
STA. 29+22.50 TO 29+39.50

MATERIAL LEGEND

1. EXISTING GROUND
2. 2" ASPHALT CONCRETE, TYPE II, CLASS B
3. STE-1 ASPHALT FOR TACK COAT
4. 6" CRUSHED ASPHALT BASE COURSE (CABC)
5. 8" AGGREGATE BASE COURSE, GRADING D-1
6. 6" AGGREGATE BASE COURSE, GRADING D-1
7. SELECT MATERIAL, TYPE A
8. BONDED FIBER MATRIX
9. SEEDING



BUS RAMP TYPICAL SECTION

STA. 40+30.68 TO 40+60.97
STA. 40+73.42 TO 41+21.53

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE Charles Tripp Date 8/24/14

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: C. TRIPP
DESIGNED BY: L. CHAMBERS
DRAWN BY: L. CHAMBERS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

BACKLOOP SHARED USE PATH REHABILITATION
PROJECT #69917

TYPICAL SECTIONS

PATH: Q:\JNU\69917\PLANSET\69917_B1-B2_TYPICAL.DWG
TAB: B2 Thursday, August 22, 2013 1:57:00 PM CHAMBERS, LUCAS M (DOT)

REVISIONS NO.	DATE	DESCRIPTION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			TEA-0966(27)~69917	2013	B2	38

ESTIMATE OF QUANTITIES

ITEM NO.	PAY ITEM	PAY UNIT	PLAN QUANTITY
201(3B)	CLEARING AND GRUBBING	LUMP SUM	ALL REQ'D FINAL
202(2)	REMOVAL OF PAVEMENT	SQUARE YARD	~~450~~ 556
202(4)	REMOVAL OF CULVERT PIPE	LINEAR FOOT	~~155~~ 158
203(3)	UNCLASSIFIED EXCAVATION	CUBIC YARD	120
203(6)	BORROW, SELECT MATERIAL, TYPE A	TON	~~966~~ 1984.5
301(1)	AGGREGATE BASE COURSE, GRADING D-1	TON	~~1500~~ 2773.4
308(1)	CRUSHED ASPHALT BASE COURSE (CABC)	SQUARE YARD	~~5654~~ 4515.9
401(2)	ASPHALT CEMENT, GRADE 58-28	TON	~~46~~ 40.55
402(1)	STE-1 ASPHALT FOR TACK COAT	TON	~~3~~ 0.13
530(1)	GRAVITY BLOCK WALL	SQUARE FOOT	~~480~~ 455
603(21)-12	12 INCH CORRUGATED POLYETHYLENE PIPE	LINEAR FOOT	~~65~~ 91
604(4)	ADJUST EXISTING MANHOLE	EACH	6
604(5)	INLET, TYPE A	EACH	5
608(3)	ASPHALT SIDEWALK	SQUARE YARD	~~6120~~ 6226
615(1)	STANDARD SIGN	SQUARE FOOT	~~69~~ 76
615(2)	REMOVE AND RELOCATE EXISTING SIGN	EACH	2
618(1)	SEEDING	ACRE	~~0.64~~ 1.60
618(3)	WATER FOR SEEDING	M GAL.	~~28~~ 16
619(3)	BONDED FIBER MATRIX (BFM)	POUND	~~2686~~ 6000
625(1)	PIPE HAND RAIL	LINEAR FOOT	90
627(10)	ADJUSTMENT OF VALVE BOX	EACH	~~3~~ 5
633(2)	SEDIMENT BARRIER	LINEAR FOOT	~~5656~~ 3217
637(1)	GEOMEMBRANE, ROOT BARRIER	LINEAR FOOT	2103
639(1)	RESIDENCE DRIVEWAY	EACH	4
640(1)	MOBILIZATION AND DEMOBILIZATION	LUMP SUM	ALL REQ'D
641(1)	EROSION, SEDIMENT AND POLLUTION CONTROL ADMINISTRATION	LUMP SUM	ALL REQ'D
641(3)	TEMPORARY EROSION, SEDIMENT AND POLLUTION CONTROL	LUMP SUM	ALL REQ'D
641(5)	TEMPORARY EROSION, SEDIMENT AND POLLUTION CONTROL BY DIRECTIVE	CONTINGENT SUM	ALL REQ'D
641(6)	WITHHOLDING	CONTINGENT SUM	ALL REQ'D
642(1)	CONSTRUCTION SURVEYING	LUMP SUM	ALL REQ'D
643(2)	TRAFFIC MAINTENANCE	LUMP SUM	ALL REQ'D
643(3)	PERMANENT CONSTRUCTION SIGNS	LUMP SUM	ALL REQ'D
643(15)	FLAGGING	CONTINGENT SUM	ALL REQ'D
643(23)	TRAFFIC PRICE ADJUSTMENT	CONTINGENT SUM	ALL REQ'D
643(25)	TRAFFIC CONTROL	CONTINGENT SUM	ALL REQ'D
644(6)	VEHICLES	LUMP SUM	ALL REQ'D
646(1)	CPM SCHEDULING	LUMP SUM	ALL REQ'D
670(1)	PAINTED TRAFFIC MARKINGS	LUMP SUM	ALL REQ'D
690(1)	TEMPORARY ROCK CHECK DAM	EACH	~~7~~ 0
501(1)	CLASS-A CONCRETE (CO-2)	LUMP SUM	ALL REQ'D
610(1)	DITCH LINING (CO-3)	CUBIC YARD	405.27
619(1a)	MULCHING (CO-3)	POUND	5600.00

BASIS OF ESTIMATE

ITEM NO.	DESCRIPTION	QUANTITY
201(3B)	CLEARING AND GRUBBING	1.3 ACRES
203(6)	BORROW, SELECT MATERIAL, TYPE A	1.81 TON/CY
301(1)	AGGREGATE BASE COURSE, GRADING D-1	1.95 TON/CY
401(2)	ASPHALT CEMENT, GRADE PG 58-28	6% OF ITEM 608(3)
402(1)	STE-1 ASPHALT FOR TACK COAT	0.1 GAL/SY, 243 GAL/TON
608(3)	ASPHALT SIDEWALK	117 LB/SY/IN
619(3)	BONDED FIBER MATRIX (BFM)	4000 LB/ACRE

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE K. Johnston Date 8/29/14

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: C. TRIPP

STATE OF ALASKA
Charles M. Tripp
49th
CE-9613
REGISTERED PROFESSIONAL ENGINEER
10/30/13

DESIGNED BY: L. CHAMBERS
DRAWN BY: L. CHAMBERS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

BACKLOOP SHARED USE PATH
REHABILITATION
PROJECT #69917

ESTIMATE OF QUANTITIES

PATH: Q:\JNU\69917\PLANSET\69917_C1_ESTIMATE.DWG
TAB: C1 Wednesday, October 30, 2013 10:45:05 AM CHAMBERS, LUCAS M (DOT)

REVISIONS NO.	DATE	DESCRIPTION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			TEA-0966(27)~69917	2013	C1	38

202(2) REMOVAL OF PAVEMENT

BEGIN STA	END STA	OFFSET LT/RT	AREA (SQYD)	REMARKS
36+86	37+35	LT & RT	260	INTERSECTION RECONSTRUCTION AT GLENDALE STREET EAST EXIT
39+87	40+15	LT & RT	150	INTERSECTION RECONSTRUCTION AT GLENDALE STREET WEST EXIT
41+11	41+70	LT	40	PATH ABANDONED DUE TO REALIGNMENT AT MINT WAY

202(4) REMOVAL OF CULVERT PIPE

BEGIN STA	END STA	TYPE	DIAMETER (IN)	LENGTH (FT)	OFFSET (FT)	REPLACEMENT PIPE	REMARKS
34+39.5	34+89	CMP	18	~~49.50~~ 50	8.50 RT	P-1	DRIVEWAY CULVERT, SEE PIPE REMOVAL STRUCTURAL SECTION BACKFILL DETAIL SHEET E2
36+76.5	37+40	CMP	18	~~63.00~~ 65	8.50 RT	P-2	DRIVEWAY CULVERT, SEE PIPE REMOVAL STRUCTURAL SECTION BACKFILL DETAIL SHEET E2
39+27	39+42	CMP	18	25.00		P-3	CROSS CULVERT, SEE PIPE REMOVAL STRUCTURAL SECTION BACKFILL DETAIL SHEET E2
45+98	46+04	CMP	12	~~17.50~~ 18			CROSS CULVERT, SEE PIPE REMOVAL STRUCTURAL SECTION BACKFILL DETAIL SHEET E2

603(21) PIPE SUMMARY

PIPE #	603(21)-12" CPP	INLET				OUTLET				SLOPE	REMARKS
	LENGTH (FT)	STATION	OFFSET (FT)	INV.	STRUCTURE ID	STATION	OFFSET (FT)	INV.	STRUCTURE ID		
P-1	~~21.50~~ 24.5	34+00	9.11	52.87	S-1	34+00	12.43	52.65	S-2	1.00%	
P-2	~~22.50~~ 24.0	36+60	9.47	52.50	S-3	36+60	12.90	52.28	S-4	1.00%	
P-3	~~21.00~~ 22.50	37+71.71	8.64	52.31	S-5	37+71.71	12.36	52.10		1.00%	REPLACES EXISTING CROSS PIPE AT NEW LOCATION
P-4	20.00	31+86									

604(4) ADJUST EXISTING MANHOLE

STATION	OFFSET (FT)	REMARKS
24+01	3.45 LT	
27+30	4.17 LT	
27+99	4.08 LT	
31+99	5.20 LT	
37+30	5.00 RT	
39+80	6.00 LT	MANHOLE NOT IN ASPHALT ADJUST TO GRADE AS NECCESARY

627(10) ADJUSTMENT OF VALVE BOX

STATION	OFFSET (FT)	REMARKS
36+86	14.38 RT	
40+13	15.00 RT	
43+64	11.11 RT	VALVE BOX NOT IN ASPHALT ADJUST TO GRADE AS NECCESARY
40+13	20.7' RT	
36+00	15.00 LT	

637(1) GEOMEMBRANE, ROOT BARRIER

STATION TO STATION		DEPTH (FT)	LENGTH (FT)
10+00	16+97	3	697
18+10	21+48	3	338
23+33	24+25	3	92
24+87	25+77	3	90
26+52	27+68	3	116
28+02	29+11	3	109
32+12	34+38	3	226
35+24	36+77	3	153
52+80	53+62	3	82
55+64	57+40	3	176
58+32	58+56	3	24
		TOTAL =	2103

639(1) RESIDENCE DRIVEWAY

STATION	TRANSITION LEFT		TRANSITION RIGHT		
	LENGTH (FT)	WIDTH (FT)	LENGTH (FT)	WIDTH (FT)	RADII
22+40.00	5	86.54	16.77	MTE	MTE
24+54.27	5	16.82	16.26	MTE	MTE
27+79.75	5	16.96	15.10	MTE	MTE
29+30.69	5	16.81	14.86	MTE	MTE

NOTES: STATION IS GIVEN TO CENTER OF DRIVEWAY. SEE F-SHEETS FOR TRANSITION LEFT STATIONING.

604(5) INLET, TYPE "A"

STATION	INLET ID	OFFSET	TOP OF CASTING ELEVATION	SUMP DEPTH (IN)	TYPE FRAME & GRATE	REMARKS
34+00	S-1	RT	54.87	6	FIELD INLET	
34+00	S-2	LT	54.65	6	SOLID LID	INLET CREATES A TEE WITH EXISTING PIPE APPROXIMATE EXISTING PIPE ELEVATION AT INTERSECT 51.00', GRADE SO THAT INLET IS NOT PROTRUDING ABOVE SURROUNDING GROUND.
36+60	S-3	RT	54.50	6	FIELD INLET	
36+60	S-4	LT	54.28	6	SOLID LID	INLET CREATES A TEE WITH EXISTING PIPE APPROXIMATE EXISTING PIPE ELEVATION AT INTERSECT 51.86', GRADE SO THAT INLET IS NOT PROTRUDING ABOVE SURROUNDING GROUND.
37+71.71	S-5	RT	54.57	6	FIELD INLET	

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE B Johnston Date 9/20/14

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: C. TRIPP

STATE OF ALASKA 49th Charles M. Tripp CE-9613 REGISTERED PROFESSIONAL ENGINEER 9/23/13

DESIGNED BY: L. CHAMBERS
DRAWN BY: L. CHAMBERS
PATH: Q:\JNU\69917\PLANSET\69917_D1-02_MISCSUMMARIES.DWG
TAB: D1 Friday, August 23, 2013 9:44:32 AM CHAMBERS, LUCAS M (DOT)

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

BACKLOOP SHARED USE PATH REHABILITATION PROJECT #69917

ESTIMATE OF QUANTITIES

REVISIONS NO.	DATE	DESCRIPTION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			TEA-0966(27)~69917	2013	D1	38

615(1) STANDARD SIGN

#	DESCRIPTION	STA	OFFSET		ASDS CODE	WIDTH (IN)	HEIGHT (IN)	AREA (SQ FT)	POST SIZE	SLEEVE TYPE	SIGN FACING	REMARKS
			LT	RT								
1	STOP AHEAD	14+80		X	W3-1	30	30	6.25	2.5" PST	CONCRETE FOUNDATION	EB	REMOVE EXISTING
2	Conifer Ln	17+32	X		D3-1	42	~~6~~ 12	2.33			EB/WB	REMOVE EXISTING, MOUNT ABOVE SIGN #3, USE 6" UPPER CASE LETTERS, 4" LOWER CASE LETTERS, FONT SERIES B
3	STOP	17+32	X		R1-1	30	30	6.25	2.5" PST	CONCRETE FOUNDATION	NB	REMOVE EXISTING
18	OBJECT MARKER	26+94		X	OM2-1V	6	12	0.50	1.5" PST	CONCRETE FOUNDATION	WB	INSTALL SO THAT INSIDE EDGE OF SIGN IS 2' FROM EDGE OF PATH & BOTTOM OF SIGN IS 4' FROM TOP OF PATH
19	OBJECT MARKER	27+14		X	OM2-1V	6	12	0.50	1.5" PST	CONCRETE FOUNDATION	EB	INSTALL SO THAT INSIDE EDGE OF SIGN IS 2' FROM EDGE OF PATH & BOTTOM OF SIGN IS 4' FROM TOP OF PATH
4	N Loop Way	31+18	X		D3-1	48	~~6~~ 12	2.67			EB/WB	REMOVE EXISTING, MOUNT ABOVE SIGN #5, USE 6" UPPER CASE LETTERS, 4" LOWER CASE LETTERS, FONT SERIES B
5	STOP	31+18	X		R1-1	30	30	6.25	2.5" PST	CONCRETE FOUNDATION	NB	REMOVE EXISTING
6	N Loop Way	34+45	X		D3-1	48	~~6~~ 12	2.67			EB/WB	REMOVE EXISTING, MOUNT ABOVE SIGN #7, USE 6" UPPER CASE LETTERS, 4" LOWER CASE LETTERS, FONT SERIES B
7	STOP	34+45	X		R1-1	30	30	6.25	2.5" PST	CONCRETE FOUNDATION	NB	REMOVE EXISTING
8	Glendale St	36+95	X		D3-1	42	~~6~~ 12	2.33			EB/WB	REMOVE EXISTING, MOUNT ABOVE SIGN #9, USE 6" UPPER CASE LETTERS, 4" LOWER CASE LETTERS, FONT SERIES B
9	STOP	36+95	X		R1-1	30	30	6.25	2.5" PST	CONCRETE FOUNDATION	NB	REMOVE EXISTING
10	Glendale St	39+89	X		D3-1	42	~~6~~ 12	2.33			EB/WB	REMOVE EXISTING, MOUNT ABOVE SIGN #11, USE 6" UPPER CASE LETTERS, 4" LOWER CASE LETTERS, FONT SERIES B
11	STOP	39+89	X		R1-1	30	30	6.25	2.5" PST	CONCRETE FOUNDATION	NB	REMOVE EXISTING
13	Mint Way	41+67	X		D3-1	36	~~6~~ 12	2.00			EB/WB	REMOVE EXISTING, MOUNT ABOVE SIGN #15, USE 6" UPPER CASE LETTERS, 4" LOWER CASE LETTERS, FONT SERIES B
14	Mendenhall Loop Rd	41+67	X		D3-1	66	~~6~~ 12	3.67			NB/SB	REMOVE EXISTING, MOUNT ABOVE SIGN #15, USE 4" UPPER CASE LETTERS, 3" LOWER CASE LETTERS, FONT SERIES B
15	STOP	41+67	X		R1-1	30	30	6.25	2.5" PST	CONCRETE FOUNDATION	NB	REMOVE EXISTING
17	STOP	60+89		X	R1-1	30	30	6.25	2.5" PST	CONCRETE FOUNDATION	EB	REMOVE EXISTING

615(2) REMOVE AND RELOCATE EXISTING SIGN

#	DESCRIPTION	STA	OFFSET		ASDS CODE	POST SIZE	SIGN FACING
			LT	RT			
12	BUS STOP	41+23		X	RS-031		EB/WB
16	BUS STOP	60+03		X	RS-031		EB/WB

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE _____ Date 3/20/14

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: C. TRIPP

STATE OF ALASKA 49th Charles M. Tripp CE-9613 REGISTERED PROFESSIONAL ENGINEER
10/30/13

DESIGNED BY: L. CHAMBERS
DRAWN BY: L. CHAMBERS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

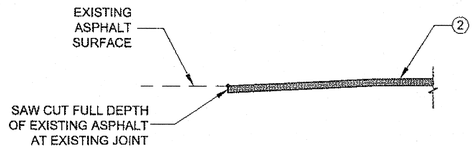
BACKLOOP SHARED USE PATH
REHABILITATION
PROJECT #69917

MISCELLANEOUS SUMMARIES

PATH: C:\JNU\69917\PLANSET\69917_D1-D2_MISCSUMMARIES.DWG
TAB: D2 Wednesday, October 30, 2013 10:54:31 AM CHAMBERS, LUCAS M (DOT)

REVISIONS		
NO.	DATE	DESCRIPTION

PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
TEA-0966(27)~69917	2013	D2	38

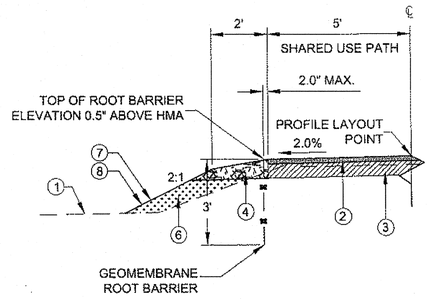


PAVEMENT MATCH JOINT DETAIL

N.T.S.

NOTES:

1. STATIONING OF TYPICAL SECTIONS IS APPROXIMATE. SAWCUT FULL DEPTH OF ASPHALT & MATCH PAVEMENT AT EXISTING JOINTS.
2. 2" ASPHALT CONCRETE ELEVATION CONTROLLED BY PROFILE.
3. THIS DETAIL SHALL BE USED AT BOP, EOP, LISTED DRIVEWAYS, AND INTERSECTING STREETS.



GEOMEMBRANE ROOT BARRIER DETAIL

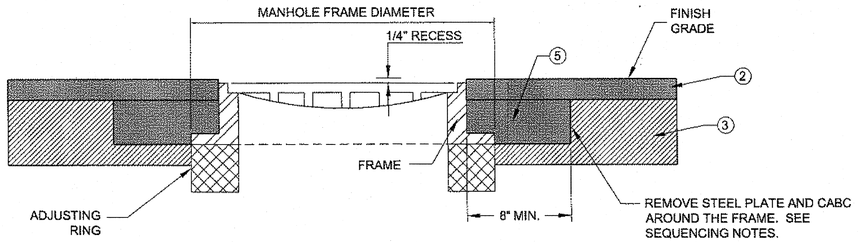
N.T.S.

NOTE:

1. INSTALL GEOMEMBRANE ROOT BARRIER PER MANUFACTURER'S RECOMMENDATION.
2. MATERIAL REMOVED TO INSTALL GEOMEMBRANE ROOT BARRIER SHALL BE REPLACED AND COMPACTED PER SECTION 203. ADDITIONAL MATERIAL NEEDED TO BACKFILL SHALL BE SELECT MATERIAL, TYPE A AND SHALL BE SUBSIDIARY TO 637(1).

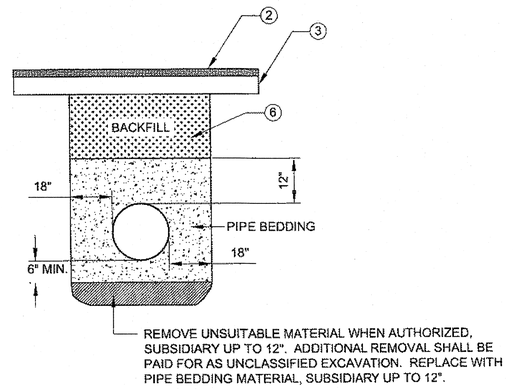
MATERIAL LEGEND

1. EXISTING GROUND
2. 2" ASPHALT CONCRETE, TYPE II, CLASS B
3. 6" CRUSHED ASPHALT BASE COURSE (CABC)
4. 8" AGGREGATE BASE COURSE, GRADING D-1
5. 4" ASPHALT CONCRETE, TYPE II, CLASS B
6. SELECT MATERIAL, TYPE A
7. BONDED FIBER MATRIX
8. SEEDING



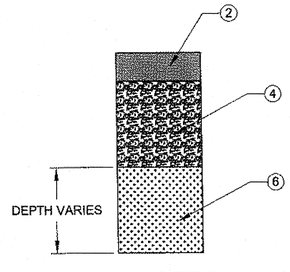
MANHOLE ADJUSTMENT DETAIL

N.T.S.



CULVERT BEDDING/BACKFILL DETAIL

NTS



PIPE REMOVAL STRUCTURAL SECTION BACKFILL DETAIL

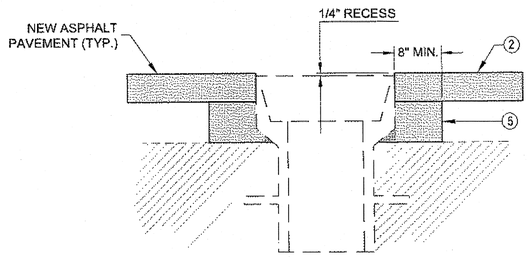
N.T.S.

MANHOLE ADJUSTMENT CONSTRUCTION SEQUENCING NOTES:

1. INSTALL INVERT COVER SEE DETAIL, SHEET E2.
2. SAWCUT AND REMOVE FULL DEPTH OF EXISTING ASPHALT CONCRETE A MINIMUM OF 8" AROUND EXISTING MANHOLE FRAMES.
3. REMOVE EXISTING FRAMES, LIDS, AND ADJUSTING RINGS.
4. INSTALL STEEL PLATE OVER MANHOLE OPENING AS A TEMPORARY MEASURE AND FILL OVER THE TOP WITH AGGREGATE FOR CABC FLUSH WITH EXISTING PAVEMENT SURFACE PRIOR TO CONSTRUCTING CABC. BE SURE STEEL PLATE IS OF SUFFICIENT DEPTH TO NOT INTERFERE WITH CABC CONSTRUCTION.
5. AFTER COMPLETION OF CABC REMOVE MATERIAL A MINIMUM OF 8" AROUND MANHOLE OPENING. REMOVE CABC AND STEEL PLATE AND INSTALL NEW RISERS, FRAME, AND LID. ADJUST FRAMES TO FINISHED GRADE.
6. PRIOR TO FINAL PAVING, PLACE 4" HMA PATCH AROUND FRAME.
7. CONSTRUCT FINAL ASPHALT CONCRETE PAVEMENT IN ACCORDANCE WITH SECTION 608.

MANHOLE ADJUSTMENT NOTES:

1. MANHOLE CASTING SHALL BE ADJUSTED TO CONFORM WITH SLOPE AND GRADE OF PROPOSED PAVEMENT.
2. ADJUSTING RINGS SHALL BE PROPERLY SIZED FOR THE EXISTING CONE OR FLAT TOP OPENING, AND INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
3. INSTALLATION OF FRAME, COVER, AND ADJUSTING RINGS, ONTO THE EXISTING STRUCTURE SHALL BE WATER-TIGHT.
4. ADJUSTING RINGS SHALL BE RUBBER COMPOSITE ADJUSTMENT RISER TO MEET FINAL GRADE. USE POLYURETHANE SELF-LEVELING CONCRETE CRACK SEALANT FOR ADJUSTMENT RISER INSTALLATION.



VALVE BOX ADJUSTMENT DETAIL

N.T.S.

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE Johnston Date 5/20/14

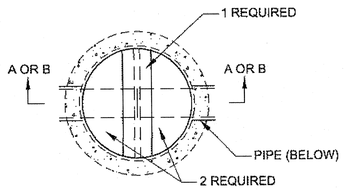
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: C. TRIPP	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION
DESIGNED BY: L. CHAMBERS	BACKLOOP SHARED USE PATH REHABILITATION PROJECT #69917
DRAWN BY: L. CHAMBERS	**MISCELLANEOUS DETAILS**

STATE OF ALASKA · 49th · Charles N. Tripp · CE-9613 · REGISTERED PROFESSIONAL ENGINEER
5/23/13

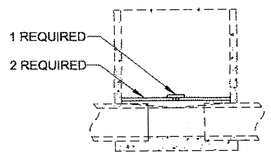
PATH: Q:\JNU\69917\PLANSET\69917_E1-E2_MISCDETAILS.DWG
TAB: E1 Friday, August 23, 2013 11:54:48 AM CHAMBERS, LUCAS M (DOT)

REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION	TEA-0966(27)~69917	2013	E1	38



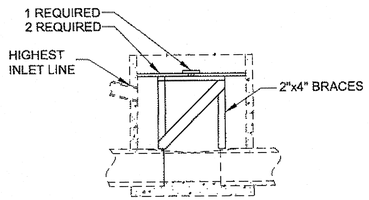
INVERT COVER PLAN

(INVERT COVER IN PLACE)



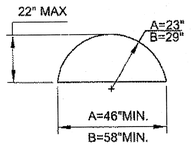
SECTION A-A

OPTION 1

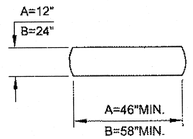


SECTION B-B

OPTION 2

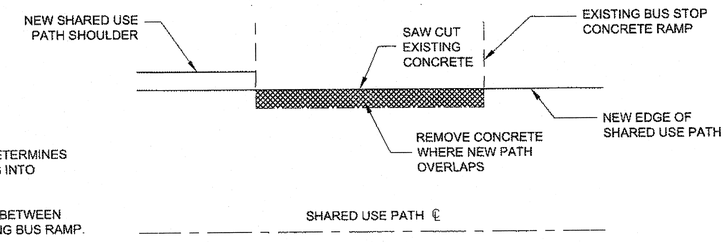


2 REQUIRED



1 REQUIRED

USE DIMENSION A FOR 48" MANHOLES
USE DIMENSION B FOR 60" MANHOLES

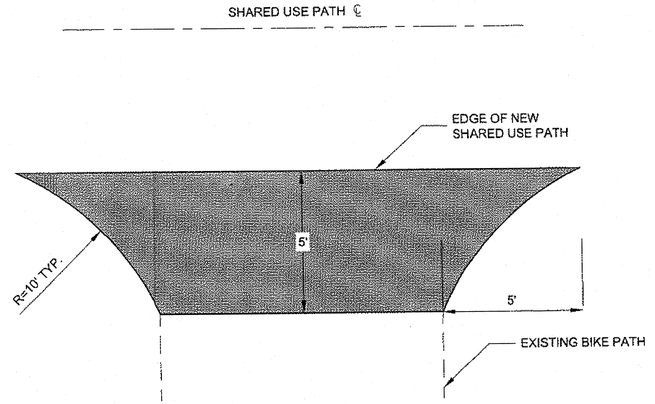


NOTES:

1. TYPICAL SECTION & PROFILE DETERMINES WHERE SHARED USE PATH TIES INTO CONCRETE RAMP.
2. PROVIDE SMOOTH TRANSITION BETWEEN SHARED USE PATH AND EXISTING BUS RAMP.

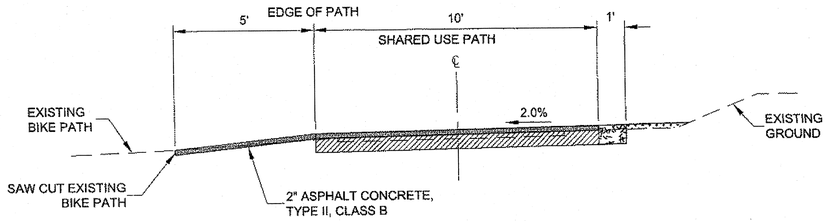
EXISTING BUS STOP RAMP DETAIL

STA. 10+36



SCHOOL CONNECTING PATH INTERSECTION PLAN

STA. 47+75



SCHOOL CONNECTING PATH INTERSECTION PROFILE

N.T.S.

NOTE:

1. SAW CUT AND REMOVE EXISTING ASPHALT PAVEMENT FROM EDGE OF NEW SHARED USE PATH TO 10' FROM SHARED USE PATH CENTER LINE.
2. ADDITIONAL MATERIAL NEEDED TO REPLACE REMOVED ASPHALT & MAKE GRADE ADJUSTMENTS SHALL BE AGGREGATE BASE COURSE, GRADING D-1.

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
P.E. K. Johnston Date 8/29/14

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: C. TRIPP

STATE OF ALASKA
49th
Charles N. Tripp
CE-9613
REGISTERED PROFESSIONAL ENGINEER
8/23/13

DESIGNED BY: L. CHAMBERS
DRAWN BY: L. CHAMBERS
PATH: Q:\JNU\69917\PLANSET\69917_E1-E2_MISCDETAILS.DWG
TAB: E2 Thursday, August 22, 2013 2:00:26 PM CHAMBERS, LUCAS M (DOT)

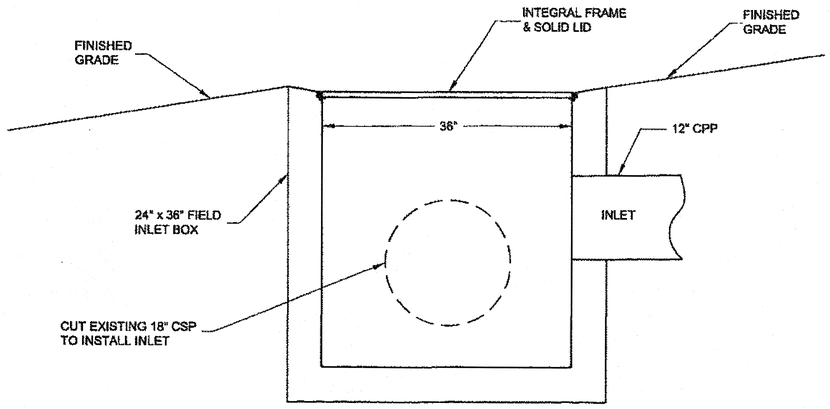
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

BACKLOOP SHARED USE PATH
REHABILITATION
PROJECT #69917

MISCELLANEOUS DETAILS

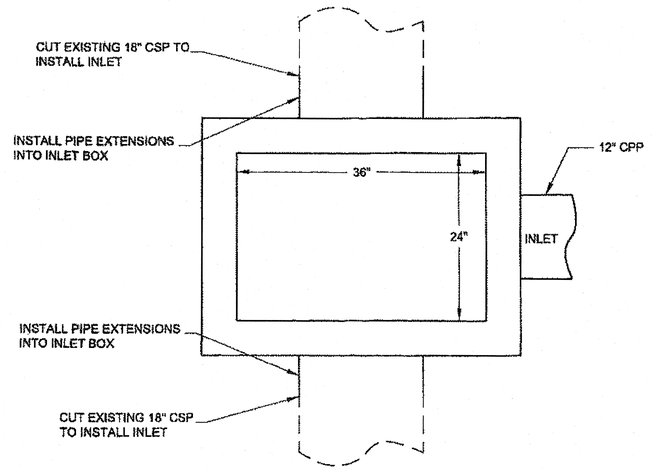
REVISIONS NO.	DATE	DESCRIPTION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			TEA-0966(27)~69917	2013	E2	38

Addendum No. 3
Attachment No. 6



INLET TYPE "A" W/ SOLID LID PROFILE

NTS

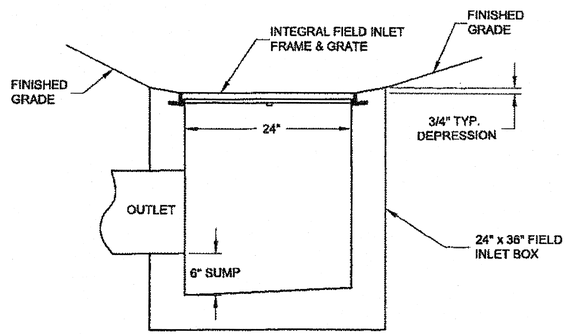


INLET TYPE "A" W/ SOLID LID PLAN

NTS

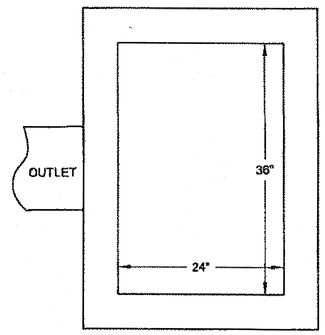
NOTE:

1. INLET BOX WITH SOLID LID SHALL BE USED TO CREATE A "T" INTERSECTION WITH THE OLD AND NEW PIPE.
2. INSTALL PIPE EXTENSIONS PER SECTION 603 SPECIFICATIONS.
3. GRADE EXISTING GROUND AS NECESSARY SO THAT INLET BOX IS NOT PROTRUDING ABOVE GROUND.
4. SEE DRAINAGE PROFILES ON F6 & F7.



INLET TYPE "A" W/ FIELD INLET FRAME AND GRATE PROFILE

NTS



INLET TYPE "A" W/ FIELD INLET FRAME AND GRATE PLAN

NTS

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE Date 9/26/14

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: C. TRIPP
DESIGNED BY: L. CHAMBERS
DRAWN BY: L. CHAMBERS

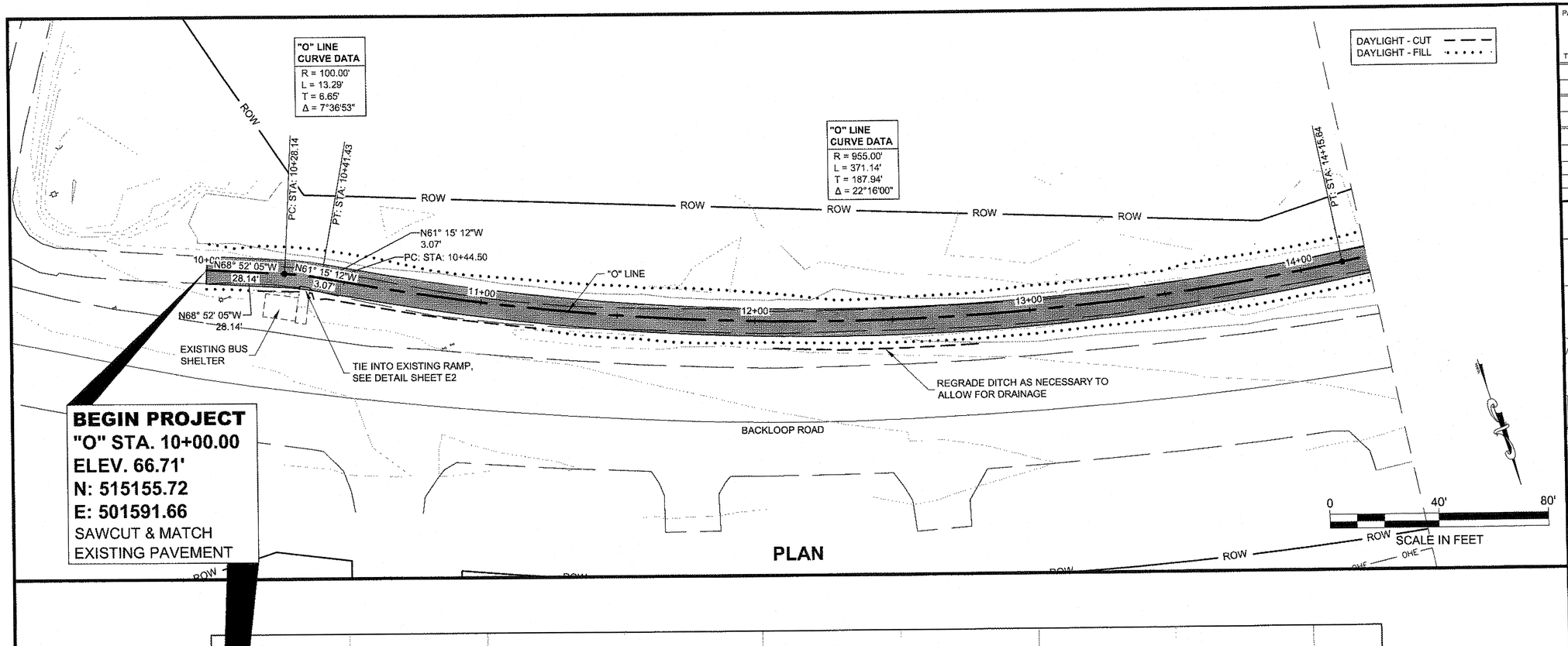
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

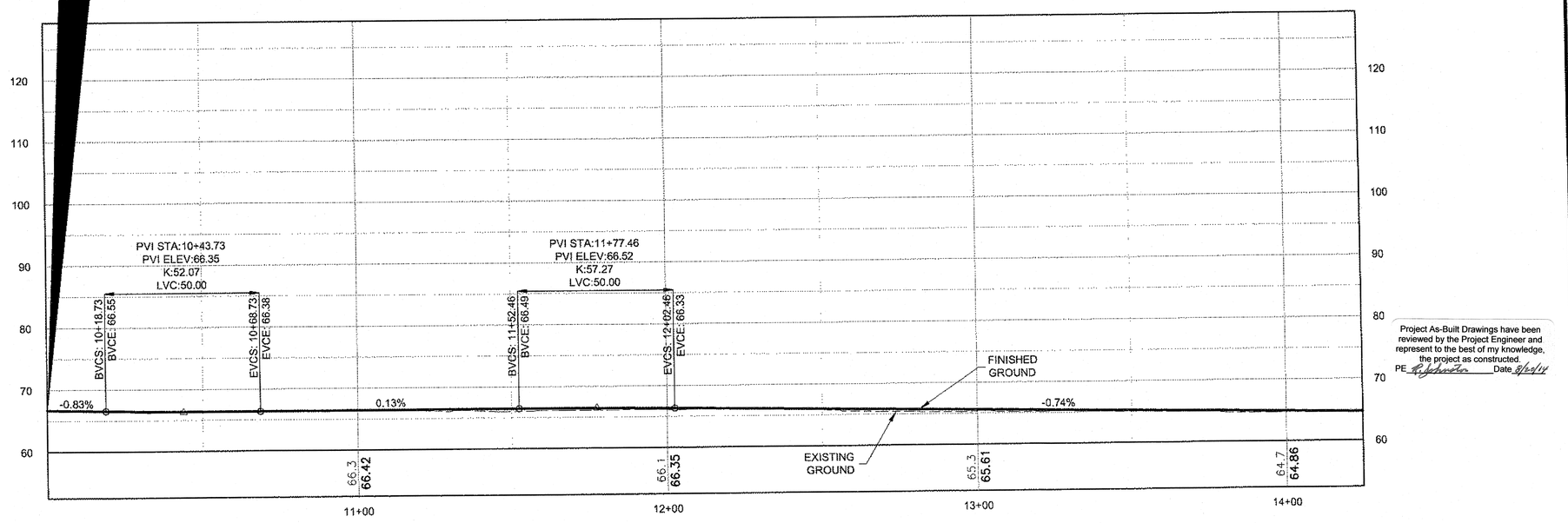
BACKLOOP SHARED USE PATH REHABILITATION
PROJECT #69917

MISCELLANEOUS DETAILS

PATH: Q:\JNU\69917\PLANSET\69917_E1-E2_MISCDETAILS.DWG
TAB: E3 Monday, October 28, 2013 11:47:50 AM CHAMBERS, LUCAS M (DOT)

REVISIONS NO.	DATE	DESCRIPTION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			TEA-0966(27)~69917	2013	E3	38





PROFILE

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

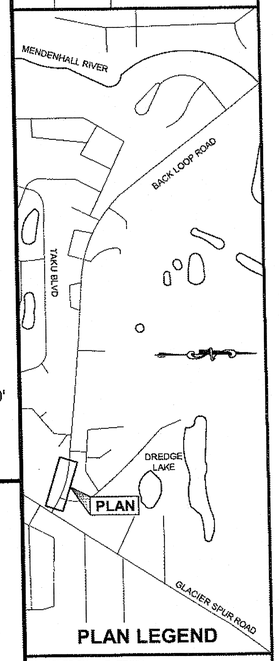
PATH: Q:\JNU\69917\PLANSET\69917_F1-F12_PLAN.DWG

CHAMBERS, LUCAS M (DOT)
TAB: F1 Friday, August 23, 2013 10:23:11 AM

ADDENDUM NUMBER
ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



PLAN LEGEND

CHECKED BY: C. TRIPP

STATE OF ALASKA
49th
Charles M. Tripp
CE-9613
REGISTERED PROFESSIONAL ENGINEER
8/23/13

DESIGNED BY: L. CHAMBERS

DRAWN BY: L. CHAMBERS

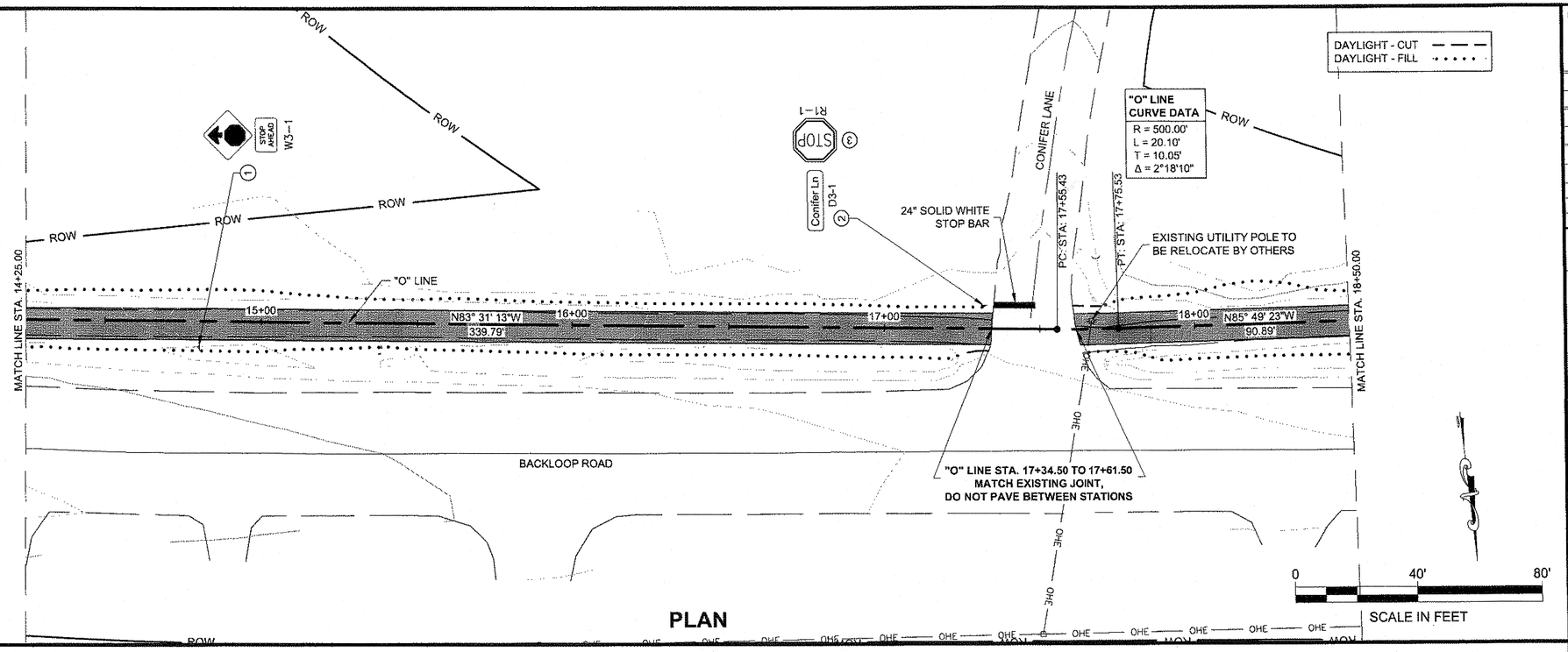
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

BACKLOOP SHARED USE PATH REHABILITATION
PROJECT #69917

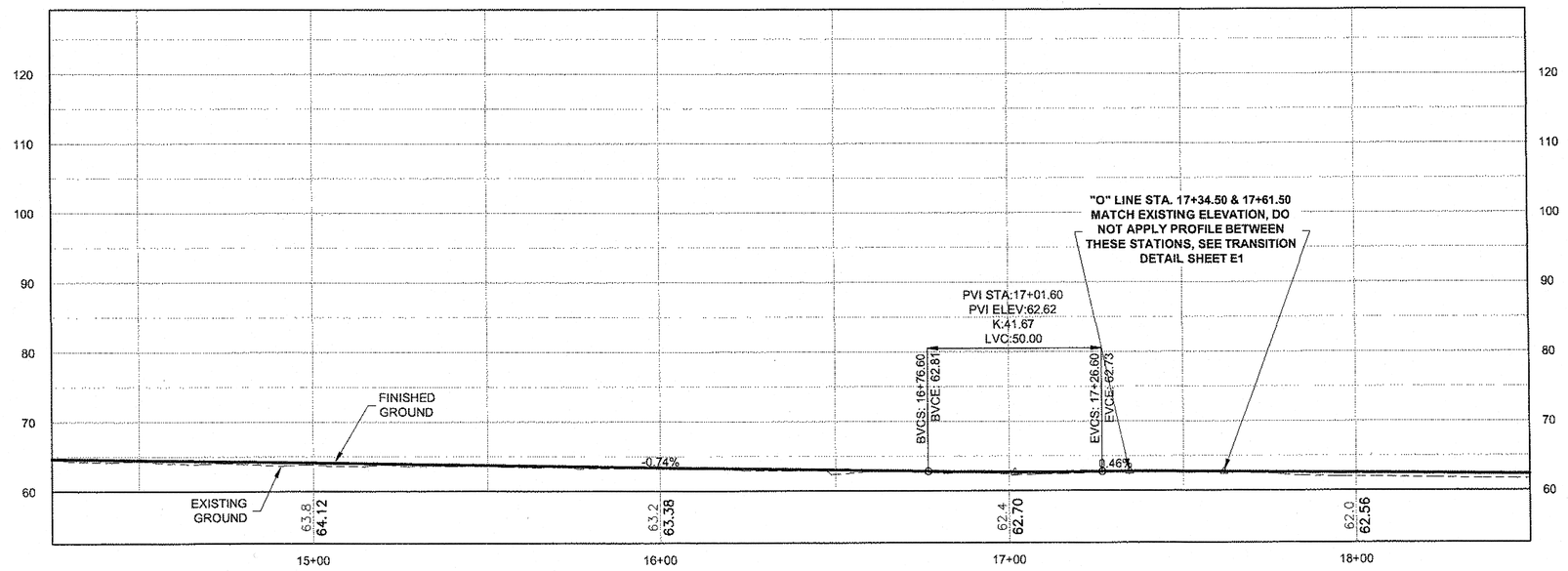
Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE _____ Date 8/24/14

PLAN & PROFILE

PROJECT DESIGNATION	
TEA-0966(27)~69917	
STATE	YEAR
ALASKA	2013
SHEET NUMBER	TOTAL SHEETS
F1	38



PLAN



PROFILE

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH: Q:\JNU\69917\PLANSET\69917_F1-F12_PLAN.DWG

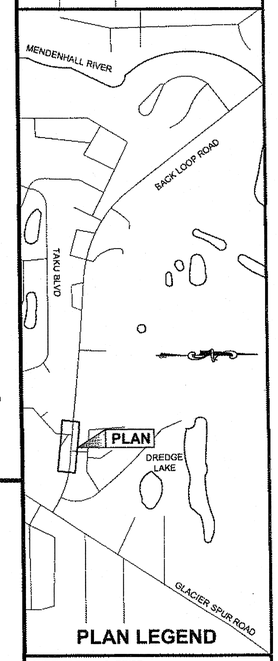
CHAMBERS, LUCAS M (DOT)
TAB: F2 Thursday, August 22, 2013 2:03:28 PM

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



PLAN LEGEND

CHECKED BY: C. TRIPP

STATE OF ALASKA
49th
Charles M. Tripp
CE-9613
REGISTERED PROFESSIONAL ENGINEER
8/22/13

DESIGNED BY: L. CHAMBERS

DRAWN BY: L. CHAMBERS

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE _____ Date 8/20/14

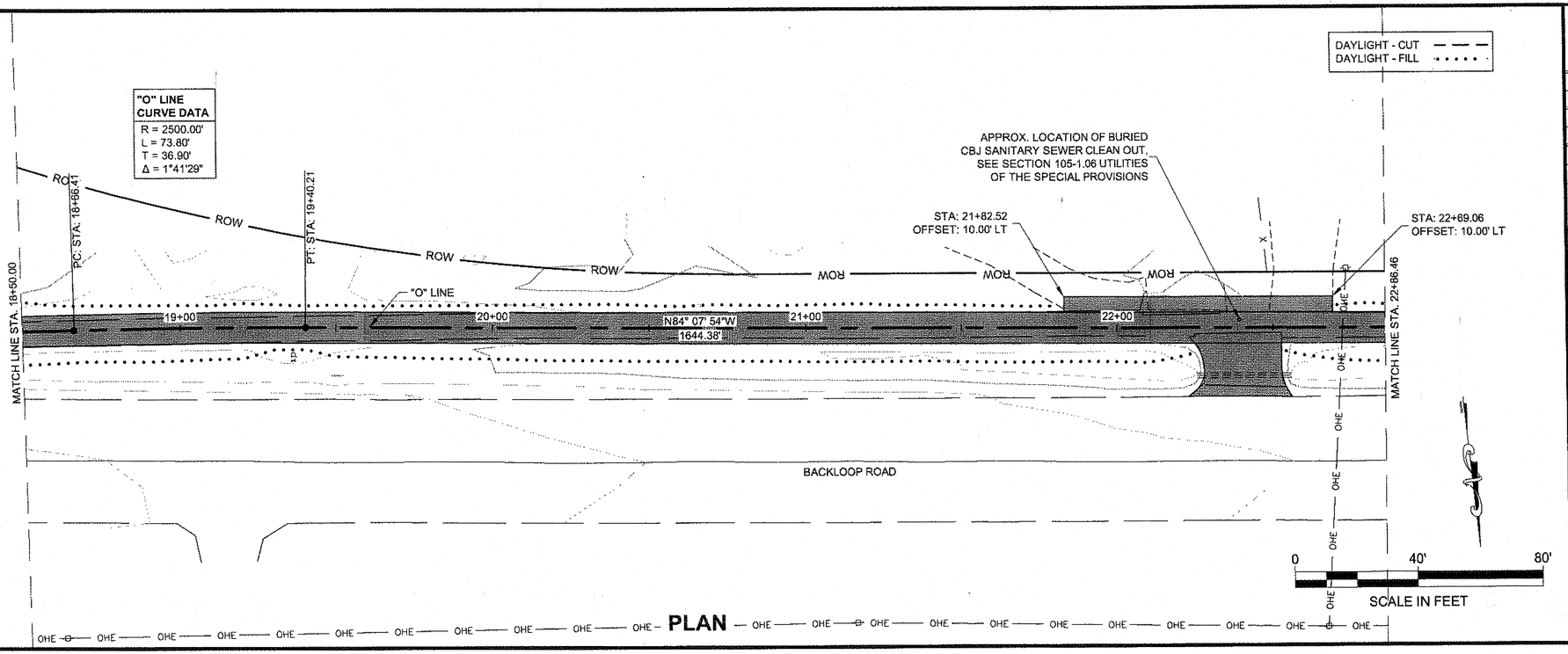
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

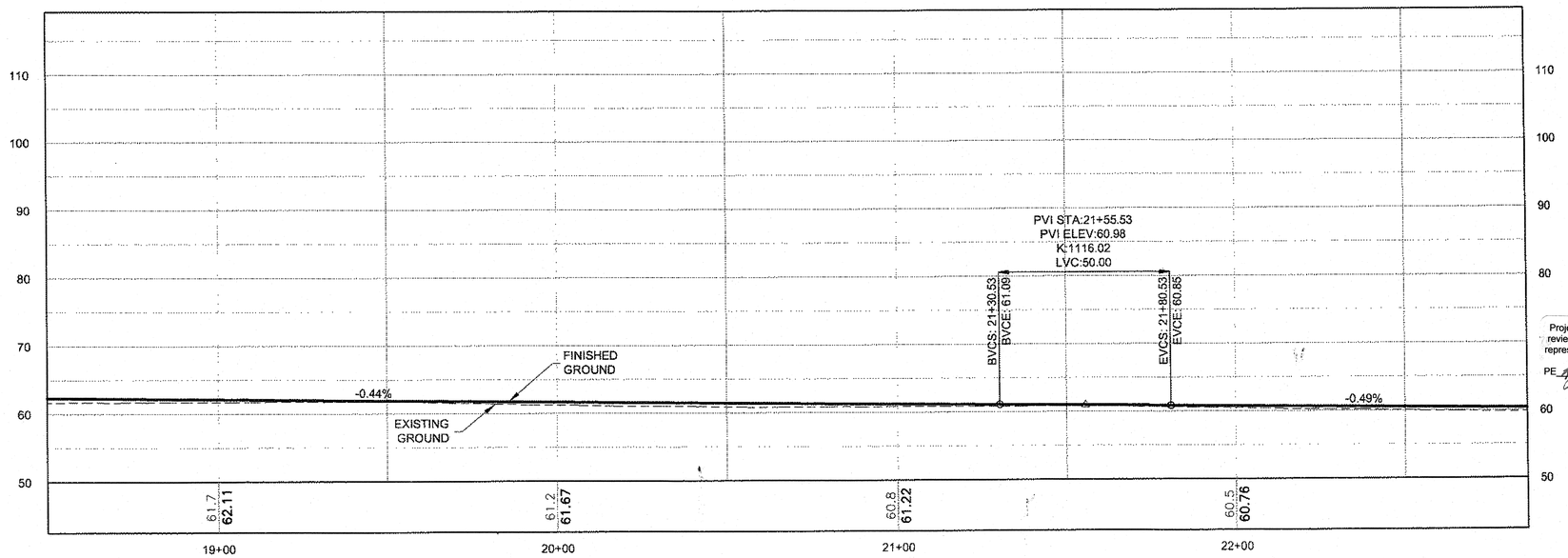
BACKLOOP SHARED USE PATH
REHABILITATION
PROJECT #69917

PLAN & PROFILE

PROJECT DESIGNATION
TEA-0966(27)~69917

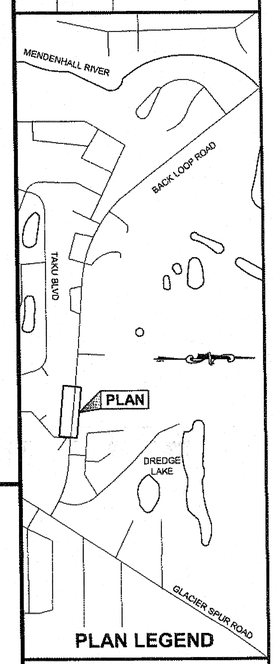
STATE	YEAR
ALASKA	2013
SHEET NUMBER	TOTAL SHEETS
F2	38





PROFILE

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



PLAN LEGEND

PATH: Q:\JNU\69917\PLANSET\69917_F1-F12_PLAN.DWG

CHAMBERS, LUCAS M (DOT)
TAB: F3 Thursday, August 22, 2013 2:03:33 PM

ADDENDUM NUMBER
ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

CHECKED BY: C. TRIPP

STATE OF ALASKA
49th
Charles M. Tripp
CE-9613
REGISTERED PROFESSIONAL ENGINEER
8/23/13

DESIGNED BY: L. CHAMBERS

DRAWN BY: L. CHAMBERS

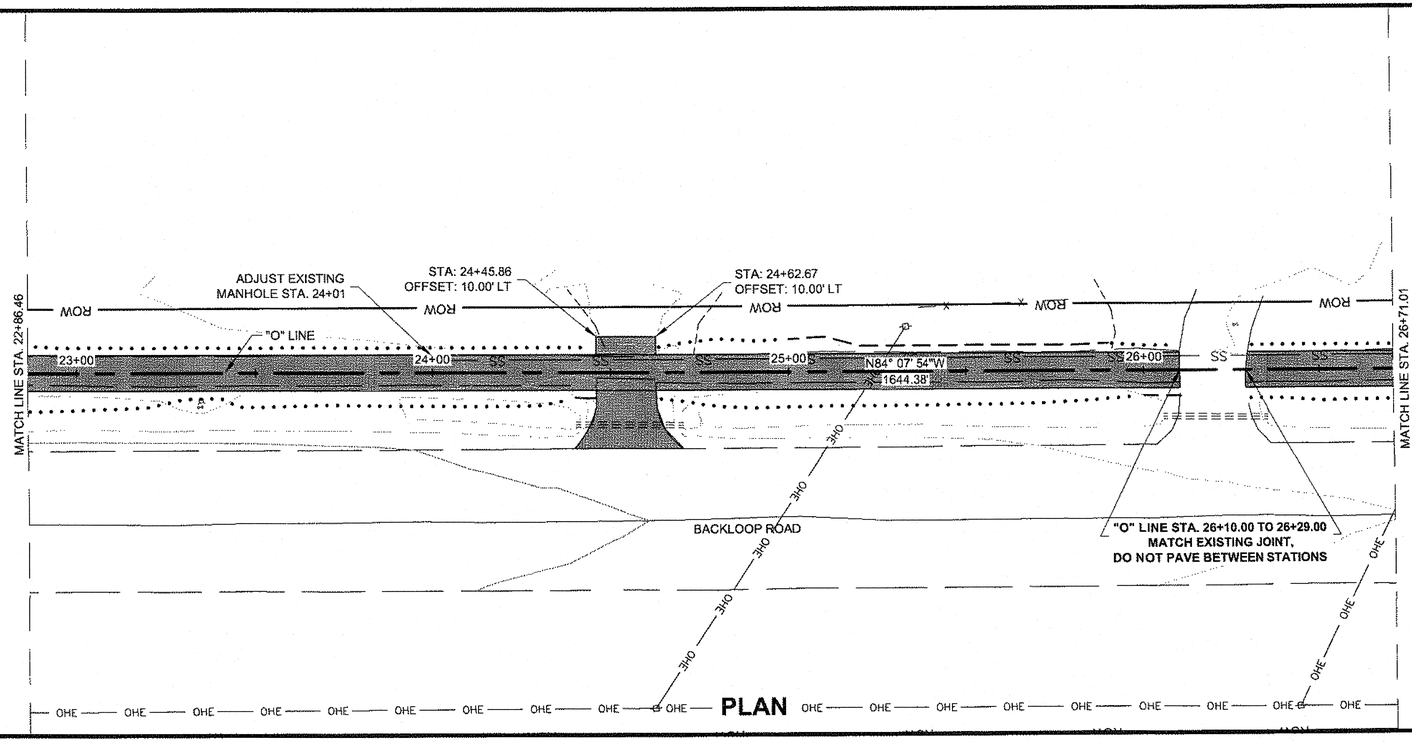
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

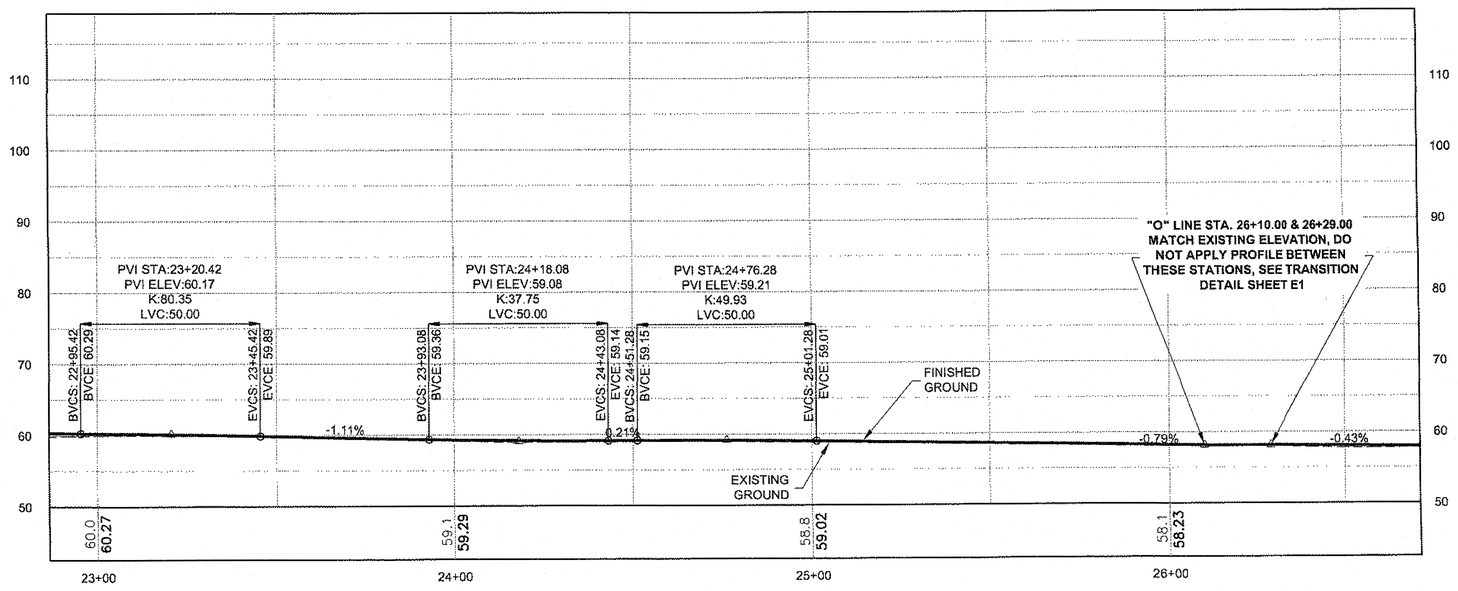
BACKLOOP SHARED USE PATH
REHABILITATION
PROJECT #69917

PLAN & PROFILE

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE R. Johnston Date 9/24/14

PROJECT DESIGNATION	
TEA-0966(27)~69917	
STATE	YEAR
ALASKA	2013
SHEET NUMBER	TOTAL SHEETS
F3	38





PROFILE

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

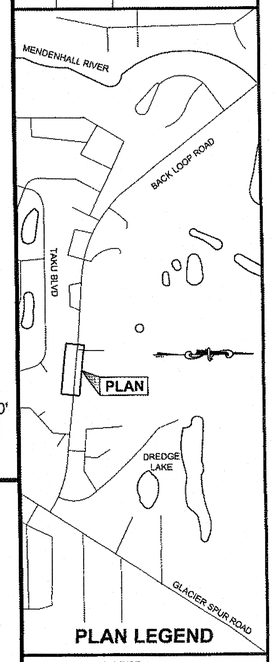
PATH: Q:\JNU\69917\PLANSET\69917_F1-F12_PLAN.DWG

CHAMBERS, LUCAS M (DOT)
TAB: F4 Thursday, August 22, 2013 2:03:38 PM

ADDENDUM NUMBER
ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



PLAN LEGEND

CHECKED BY: C. TRIPP

STATE OF ALASKA
49th
Charles M. Tripp
CE-9613
REGISTERED PROFESSIONAL ENGINEER
8/28/13

DESIGNED BY: L. CHAMBERS

DRAWN BY: L. CHAMBERS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

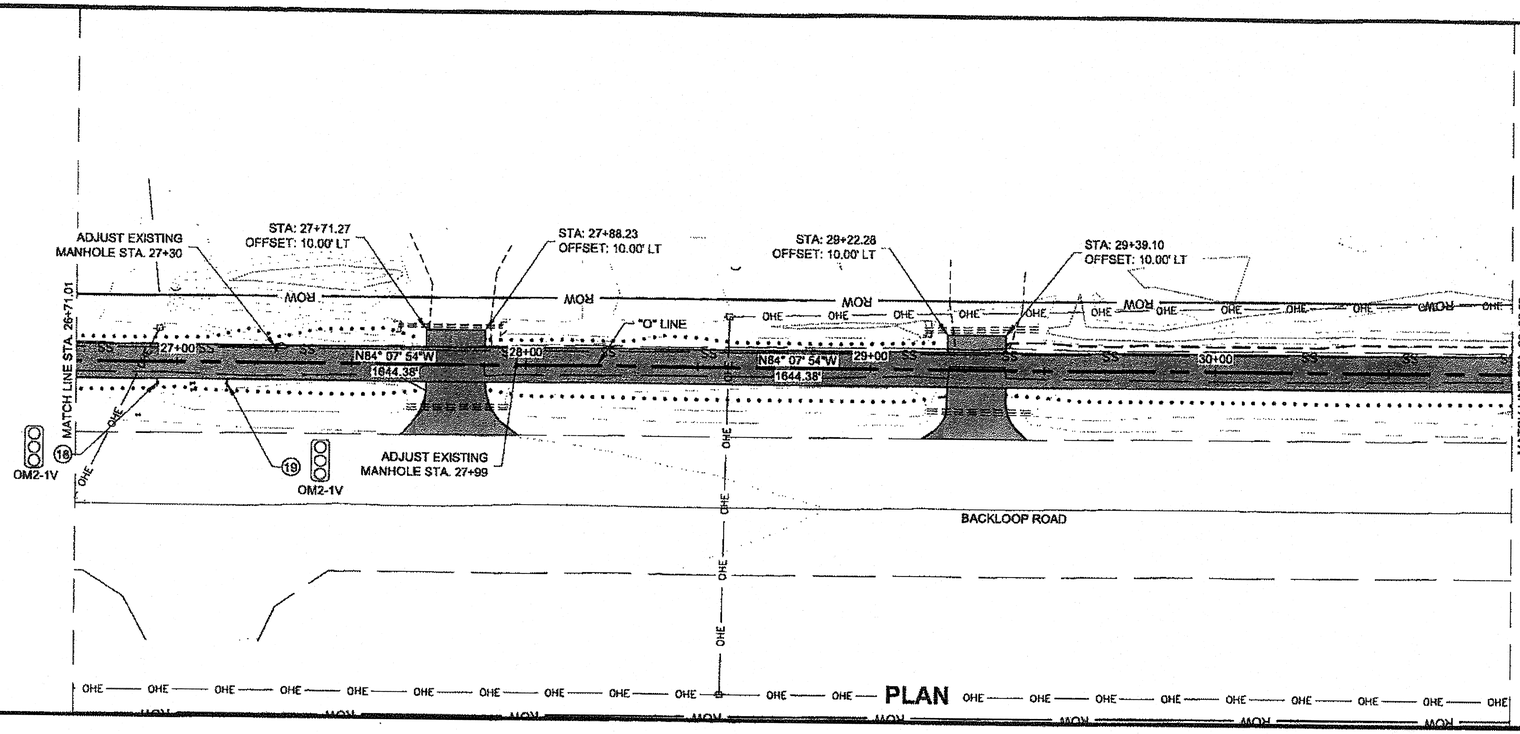
BACKLOOP SHARED USE PATH
REHABILITATION
PROJECT #69917

PLAN & PROFILE

PROJECT DESIGNATION	
TEA-0966(27)~69917	
STATE	YEAR
ALASKA	2013
SHEET NUMBER	TOTAL SHEETS
F4	38

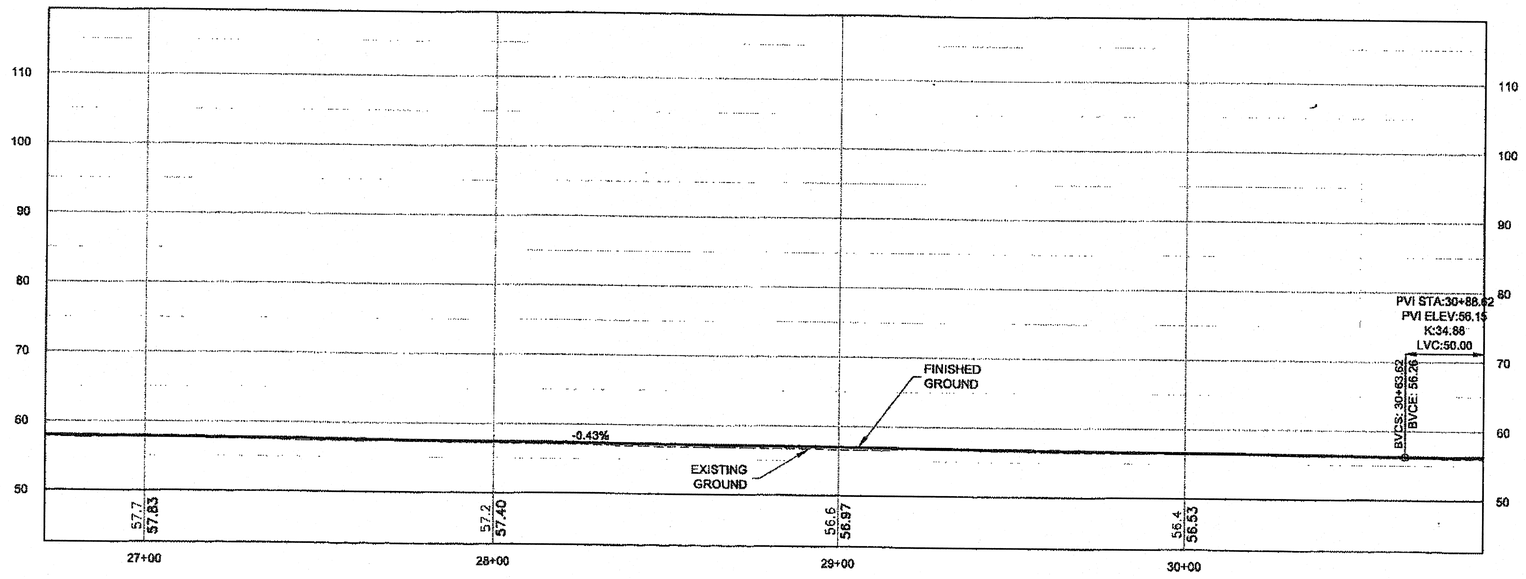
Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE _____ Date 8/29/14

Addendum No. 3
Attachment No. 7



DAYLIGHT - CUT
DAYLIGHT - FILL

0 40' 80'
SCALE IN FEET



PROFILE

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

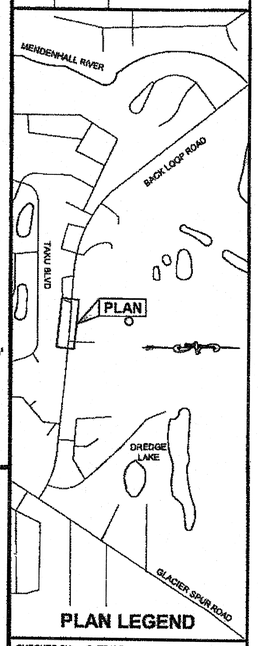
Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE _____ Date 3/24/14

PATH:
CHAMBERS, LUCAS M (DOT)
TAB: F5 Wednesday, October 30, 2013 11:14:41 A

ADDENDUM NUMBER
3
ATTACHMENT NUMBER
7

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



PLAN LEGEND

CHECKED BY: C. TRIPP

STATE OF ALASKA
49th
Charles M. Tripp
CE-9813
REGISTERED PROFESSIONAL ENGINEER
10/30/13

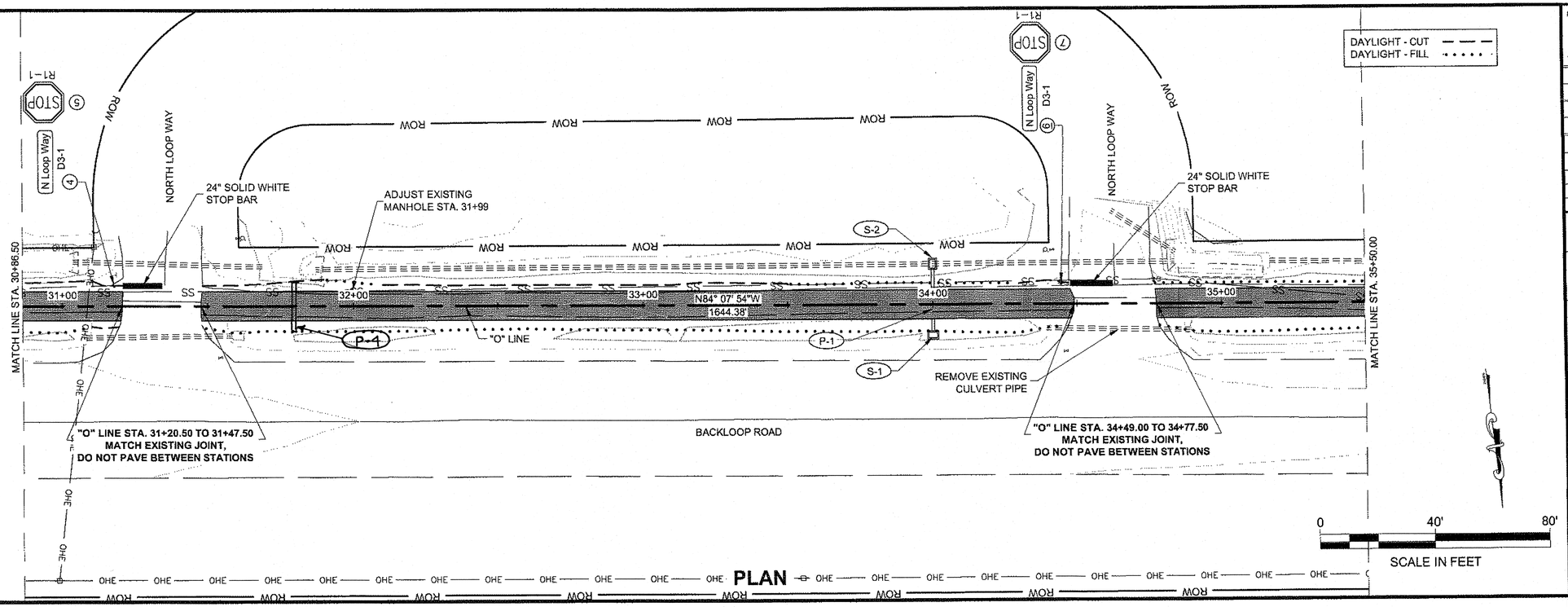
DESIGNED BY: L. CHAMBERS
DRAWN BY: L. CHAMBERS

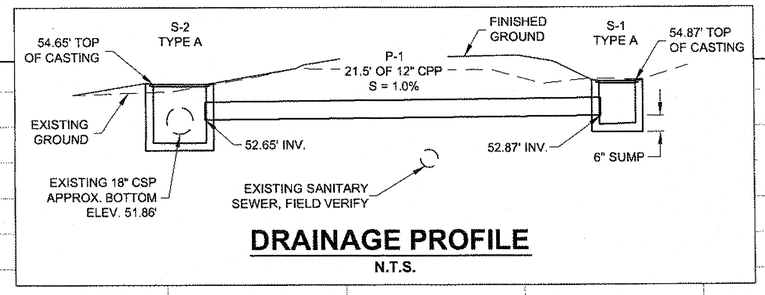
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

BACKLOOP SHARED USE PATH REHABILITATION PROJECT #69917

PLAN & PROFILE

PROJECT DESIGNATION	
TEA-0966(27)~69917	
STATE	YEAR
ALASKA	2013
SHEET NUMBER	TOTAL SHEETS
F5	38





DRAINAGE PROFILE

N.T.S.

PROFILE

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH: Q:\JNU\69917\PLANSET\69917_F1-F12_PLAN.DWG

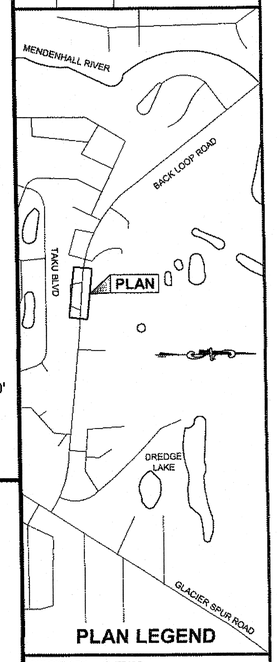
CHAMBERS, LUCAS M (DOT)
TAB: F6 Thursday, August 22, 2013 2:03:48 PM

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



PLAN LEGEND

CHECKED BY: C. TRIPP

STATE OF ALASKA
49th
Charles M. Tripp
CE-9613
REGISTERED PROFESSIONAL ENGINEER
8/23/13

DESIGNED BY: L. CHAMBERS

DRAWN BY: L. CHAMBERS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

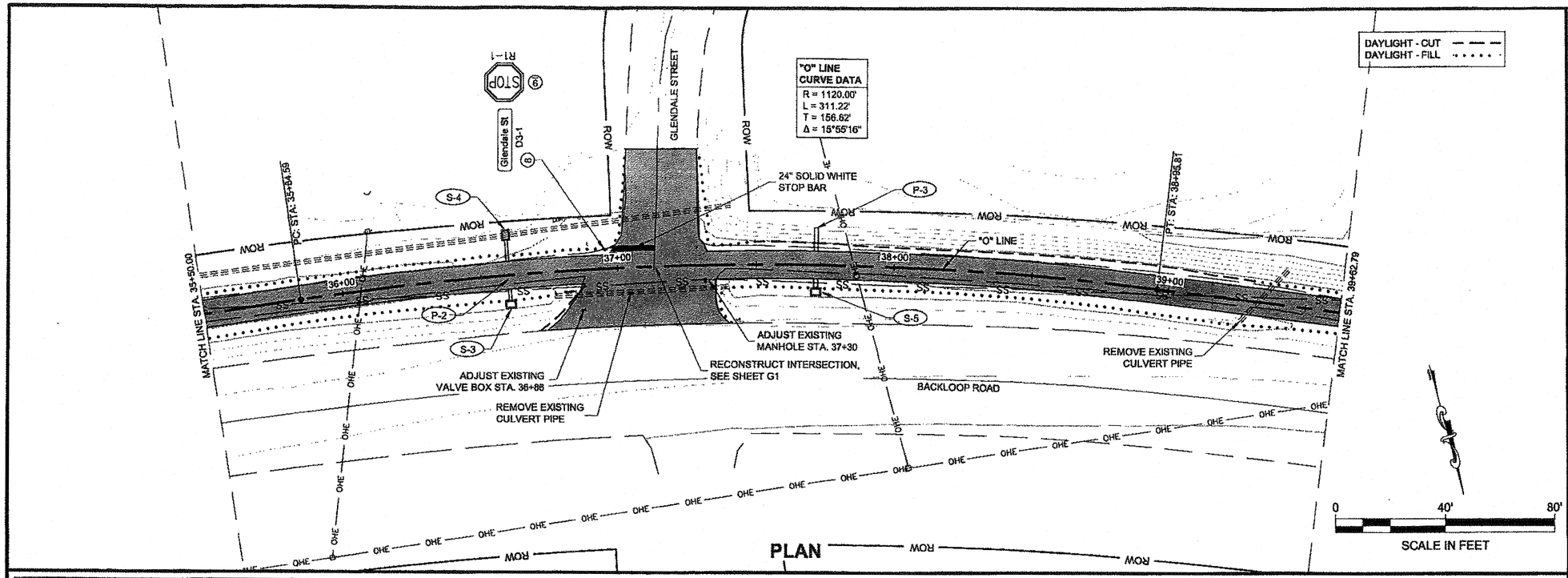
BACKLOOP SHARED USE PATH
REHABILITATION
PROJECT #69917

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE Johnston Date 9/20/14

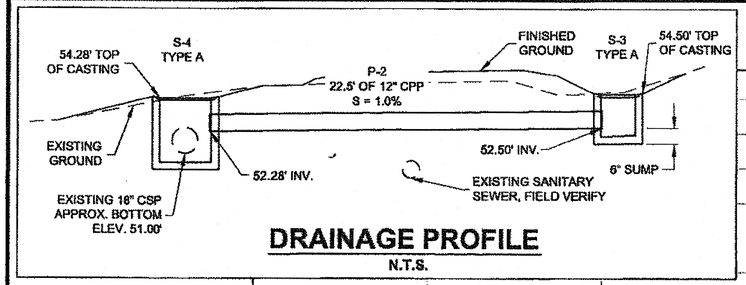
PLAN & PROFILE

PROJECT DESIGNATION	
TEA-0966(27)~69917	
STATE	YEAR
ALASKA	2013
SHEET NUMBER	TOTAL SHEETS
F6	38

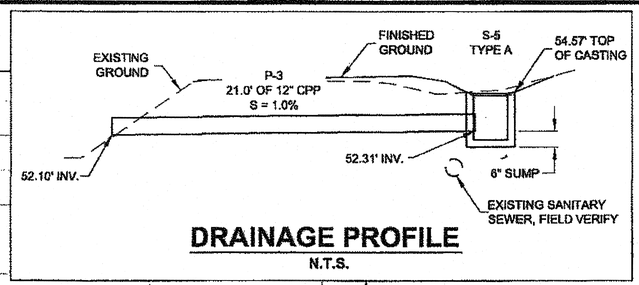
Addendum No. 3
Attachment No. 8



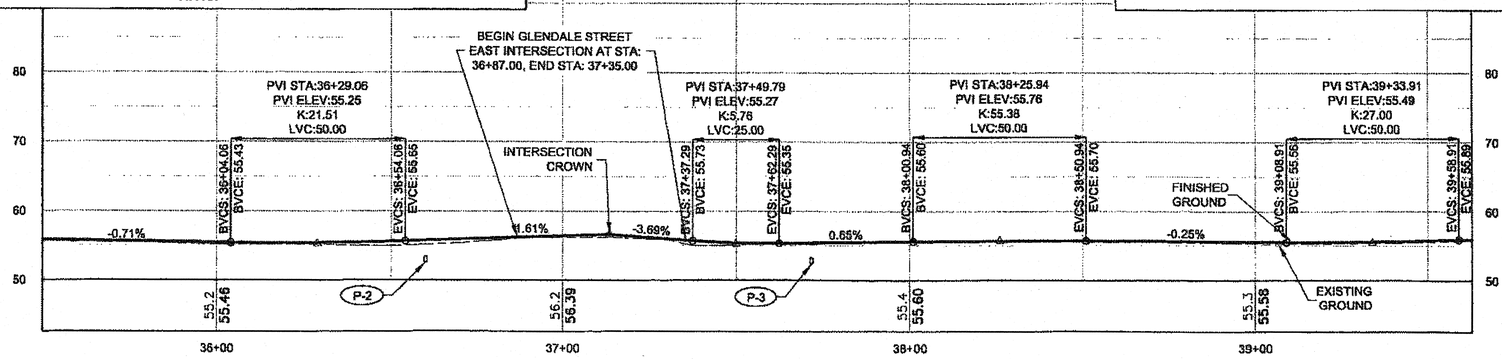
PLAN



DRAINAGE PROFILE
N.T.S.



DRAINAGE PROFILE
N.T.S.



PROFILE

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE K. Johnston Date 8/29/14

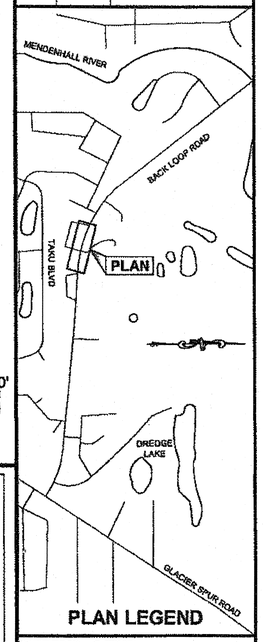
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH:Q:
CHAMBERS, LUCAS M (DOT)
TAB: F7 Wednesday, October 30, 2013 2:54:44 P

ADDENDUM NUMBER
3
ATTACHMENT NUMBER
8

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



PLAN LEGEND

CHECKED BY: C. TRIPP

STATE OF ALASKA
Charles M. Tripp
CE-9613
REGISTERED PROFESSIONAL ENGINEER
10/30/13

DESIGNED BY: L. CHAMBERS
DRAWN BY: L. CHAMBERS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

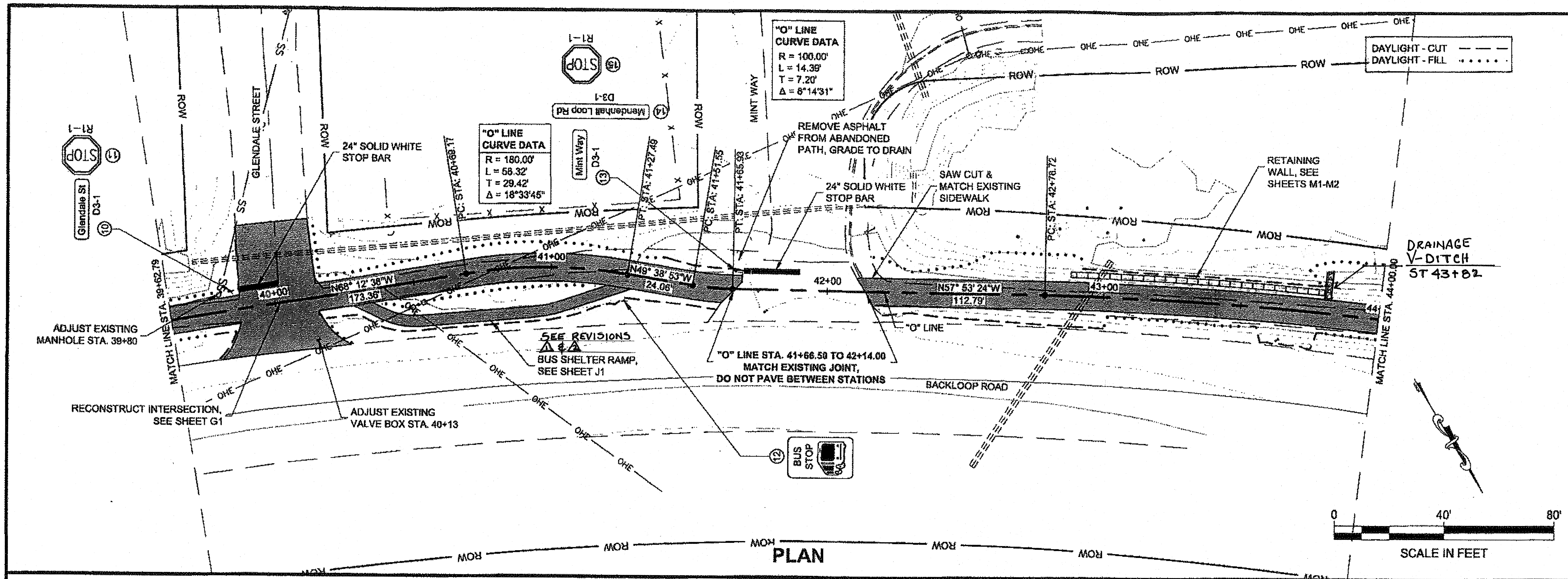
BACKLOOP SHARED USE PATH REHABILITATION
PROJECT #69917

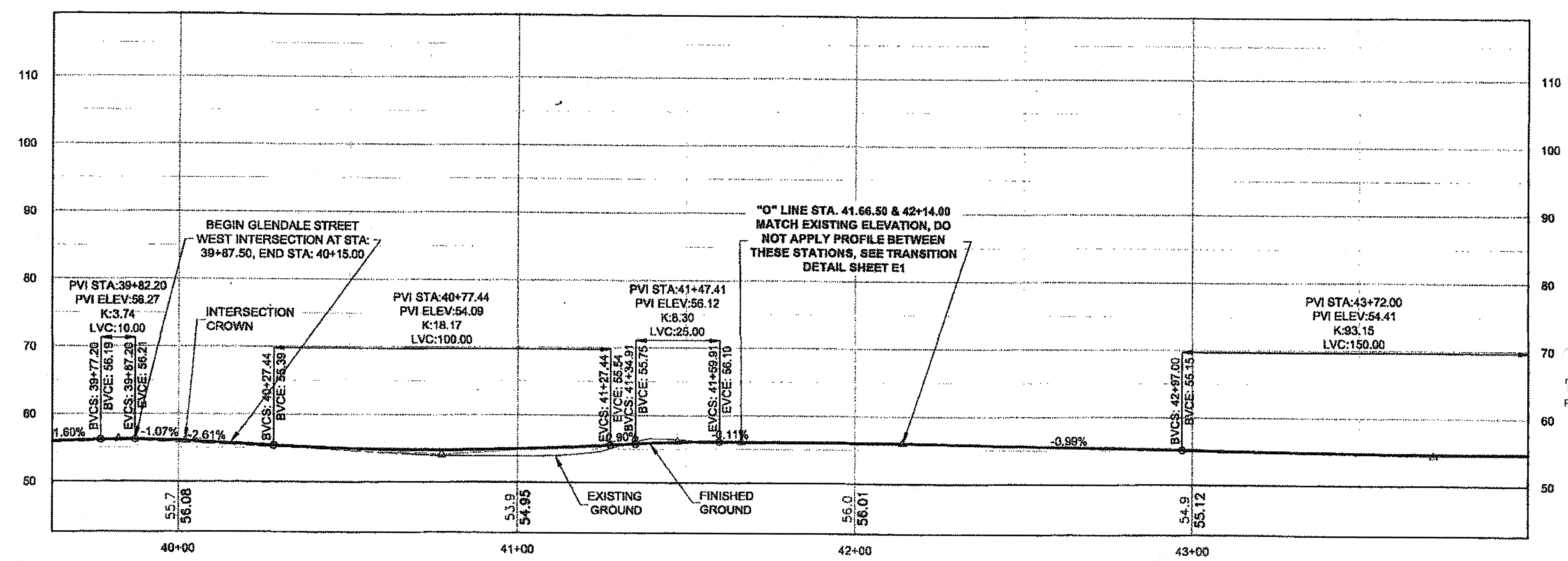
PLAN & PROFILE

PROJECT DESIGNATION
TEA-0966(27)~69917

STATE	YEAR
ALASKA	2013
SHEET NUMBER	TOTAL SHEETS
F7	38

Addendum No. 3
Attachment No. 8





PROFILE

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE ________ Date ________

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

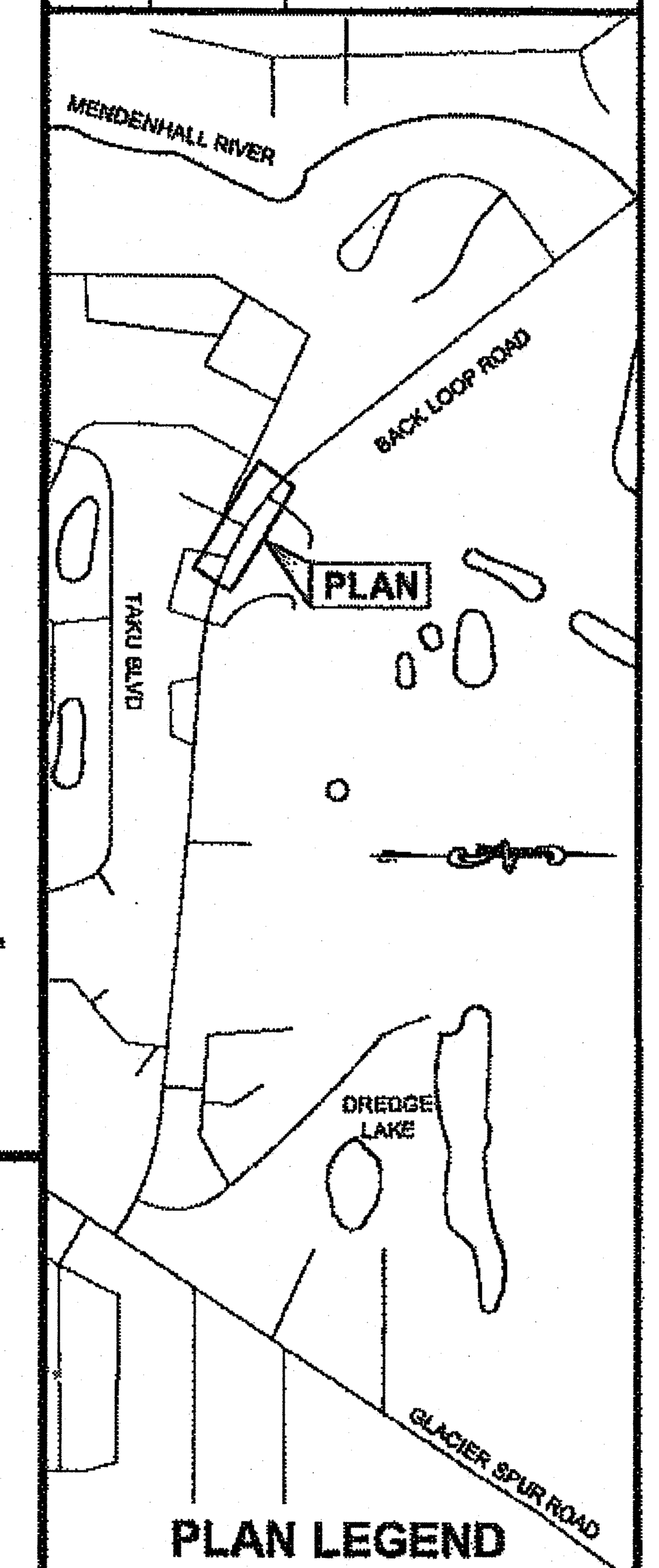
CHAMBERS, LUCAS M (DOT)
TAB: F8 Wednesday, October 30, 2013 3:54:45 P

ADDENDUM NUMBER
3

ATTACHMENT NUMBER
8

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



PLAN LEGEND

CHECKED BY: C. TRIPP

STATE OF ALASKA
49th
Charles M. Tripp
CE-9613
REGISTERED PROFESSIONAL ENGINEER
10/30/13

DESIGNED BY: L. CHAMBERS
DRAWN BY: L. CHAMBERS

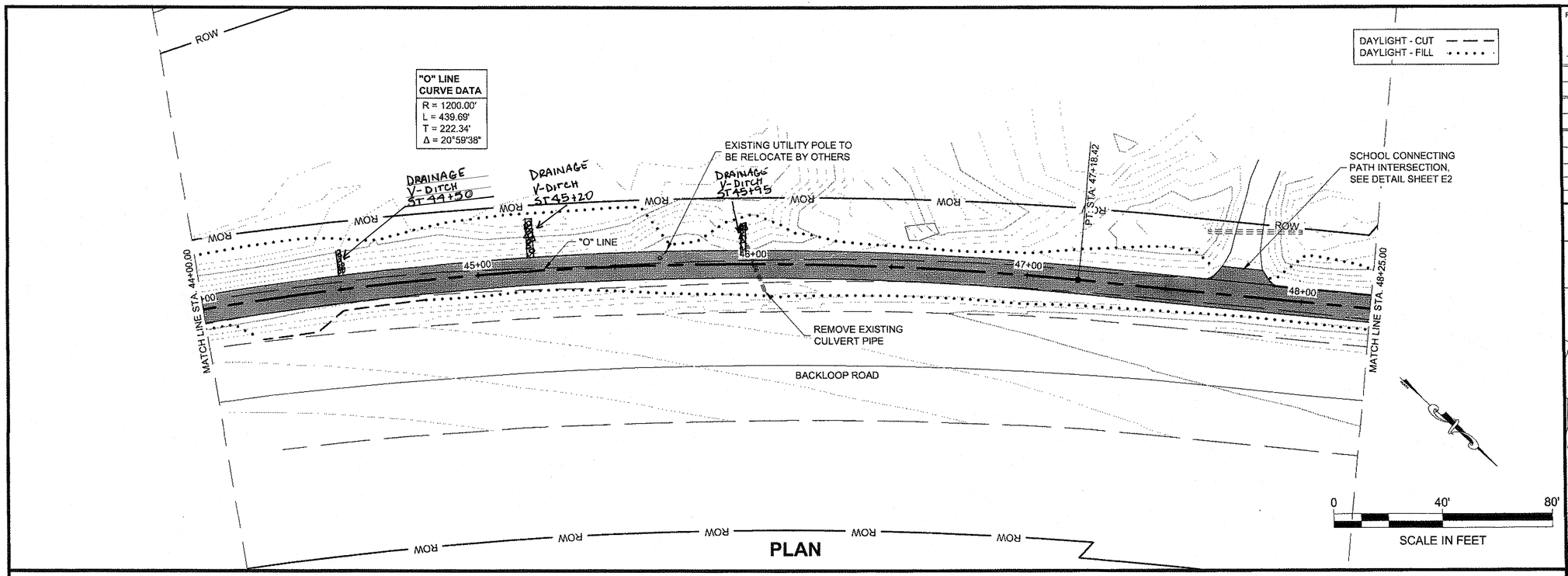
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

BACKLOOP SHARED USE PATH REHABILITATION PROJECT #69917

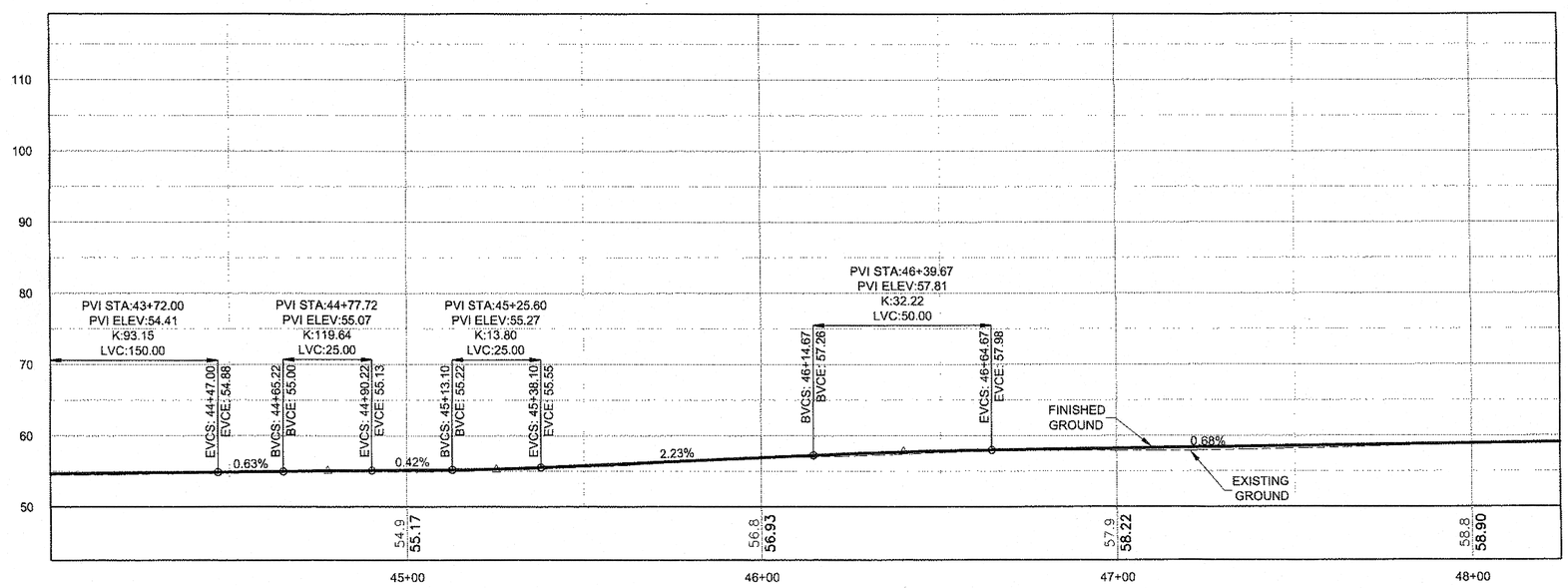
PLAN & PROFILE

PROJECT DESIGNATION
TEA-0966(27)-69917

STATE	YEAR
ALASKA	2013
SHEET NUMBER	TOTAL SHEETS
F8	38



PLAN



PROFILE

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH: Q:\JNU\69917\PLANSET\69917_F1-F12_PLAN.DWG

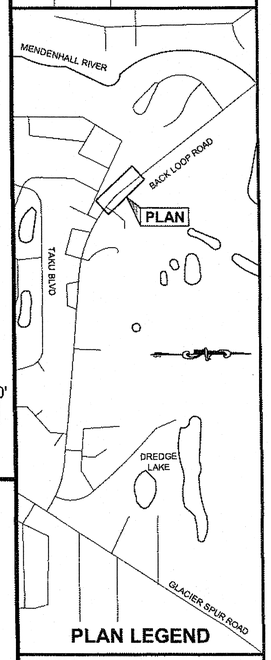
CHAMBERS, LUCAS M (DOT)
TAB: F9 Thursday, August 22, 2013 2:04:03 PM

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



PLAN LEGEND

CHECKED BY: C. TRIPP

STATE OF ALASKA
49th
Charles M. Tripp
CE-9613
REGISTERED PROFESSIONAL ENGINEER
8/23/13

DESIGNED BY: L. CHAMBERS

DRAWN BY: L. CHAMBERS

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE R Johnston Date 8/23/14

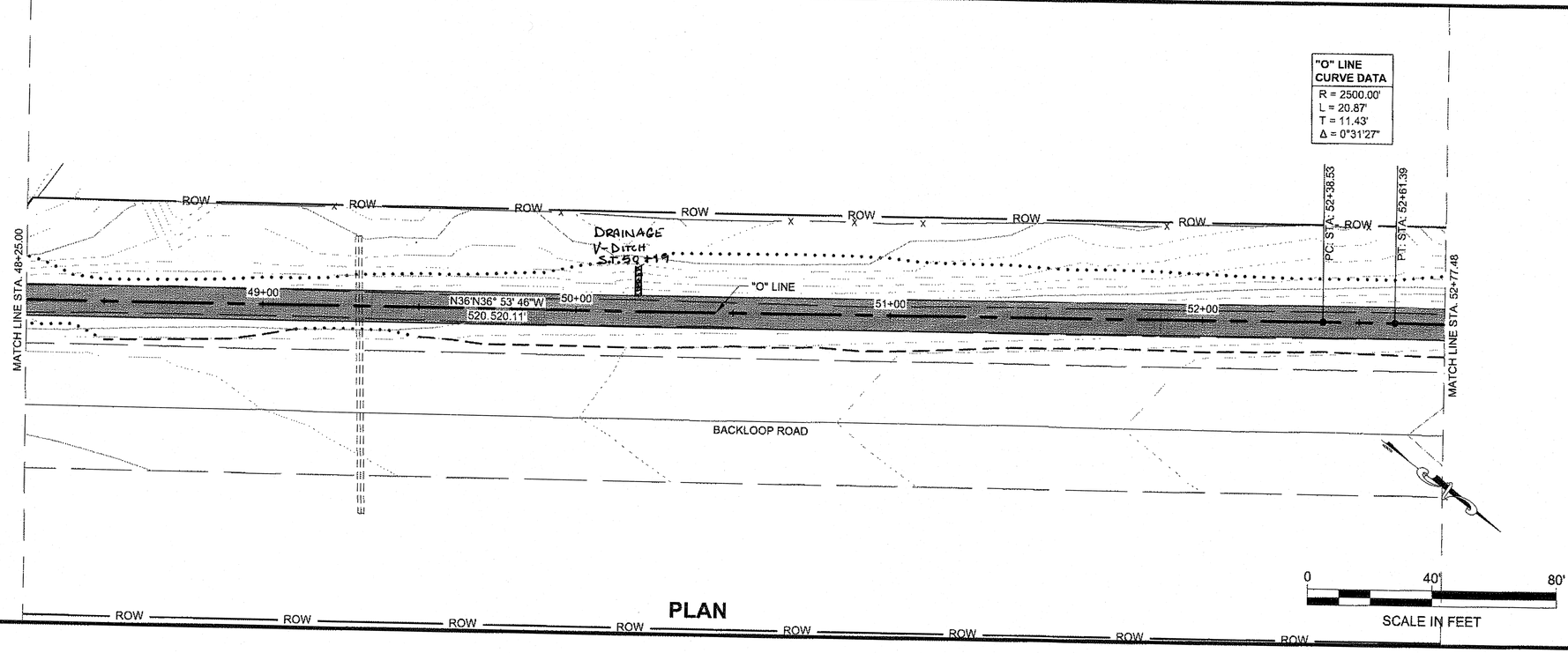
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

BACKLOOP SHARED USE PATH REHABILITATION
PROJECT #69917

PLAN & PROFILE

PROJECT DESIGNATION	
TEA-0966(27)~69917	
STATE	YEAR
ALASKA	2013
SHEET NUMBER	TOTAL SHEETS
F9	38

DAYLIGHT - CUT
DAYLIGHT - FILL



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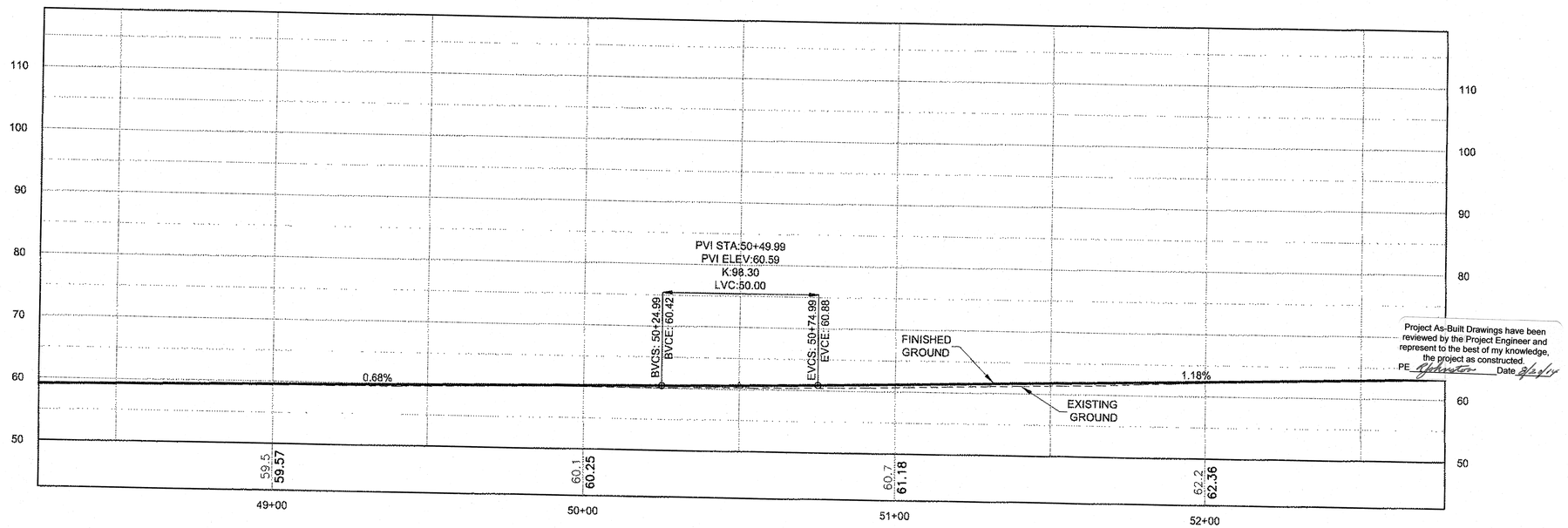
L = 20.87'
T = 11.43'
Δ = 0°31'27"

0 40' 80'
SCALE IN FEET

PLAN



PROFILE

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

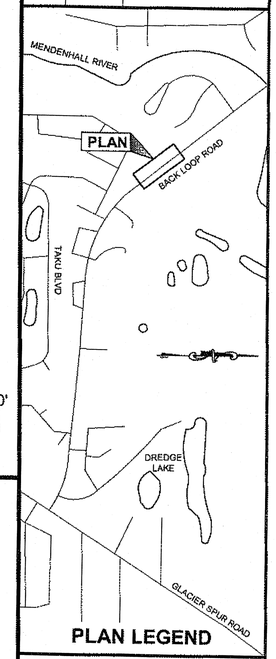
PATH: Q:\JNU\69917\PLANSET\69917_F1-F12_PLAN.DWG

CHAMBERS, LUCAS M (DOT)
TAB: F10 Thursday, August 22, 2013 2:04:08 PM

ADDENDUM NUMBER
ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



PLAN LEGEND

CHECKED BY: C. TRIPP

STATE OF ALASKA
49th
Charles M. Tripp
CE-9613
PROFESSIONAL ENGINEER
8/23/13

DESIGNED BY: L. CHAMBERS

DRAWN BY: L. CHAMBERS

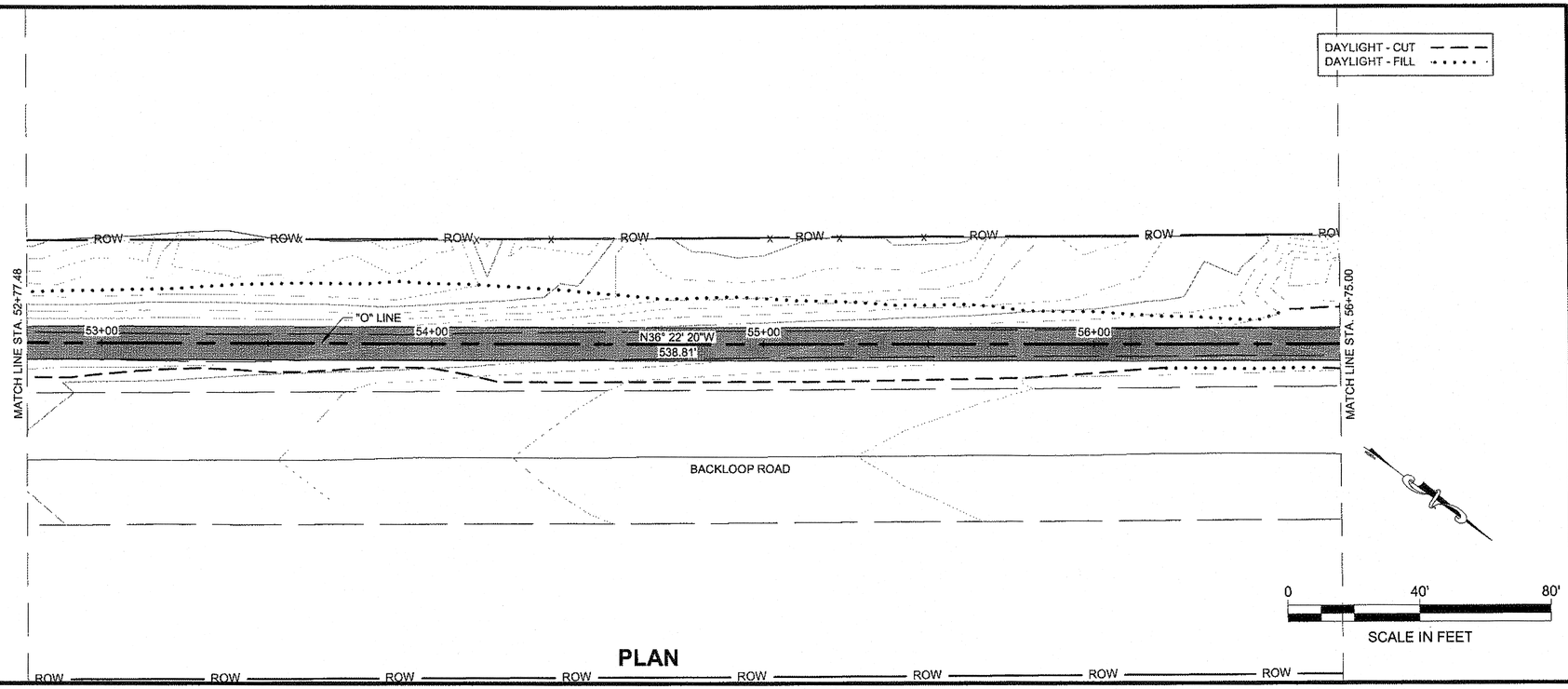
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

BACKLOOP SHARED USE PATH
REHABILITATION
PROJECT #69917

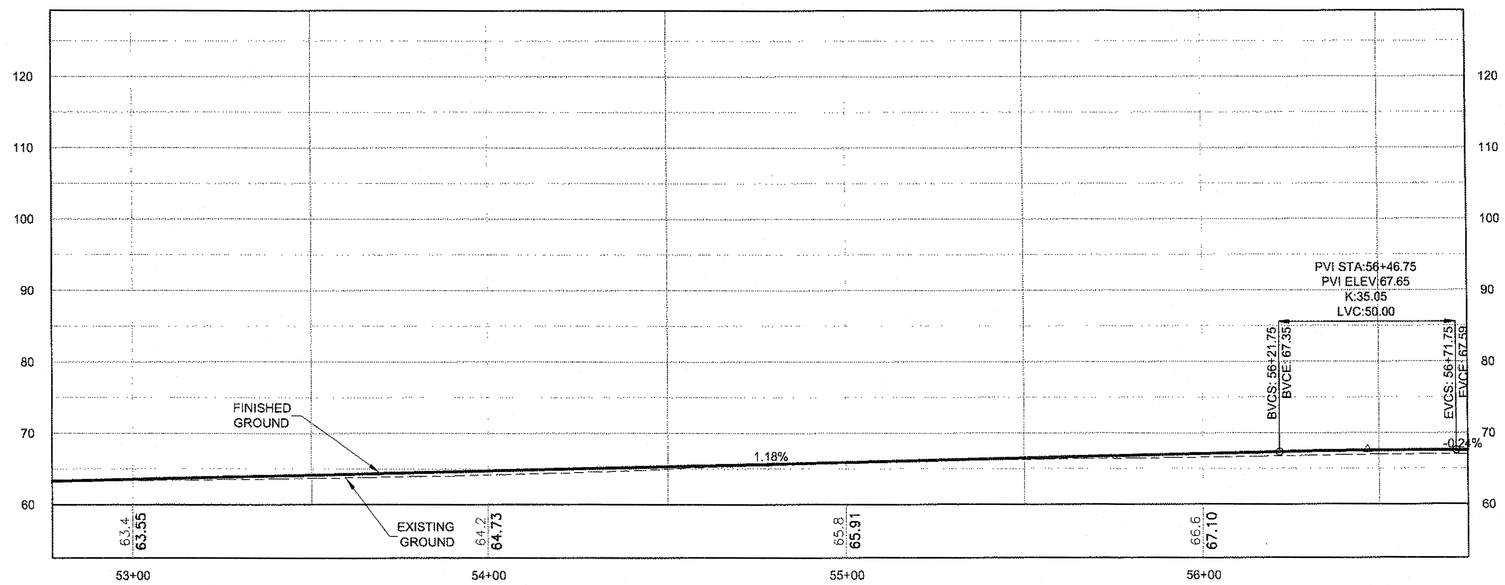
Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE _____ Date _____

PLAN & PROFILE

PROJECT DESIGNATION	
TEA-0966(27)~69917	
STATE	YEAR
ALASKA	2013
SHEET NUMBER	TOTAL SHEETS
F10	38



PLAN



PROFILE

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE RJohnston Date 9/4/14

PATH:Q:\JNU\69917\PLANSET\69917_F1-F12_PLAN.DWG

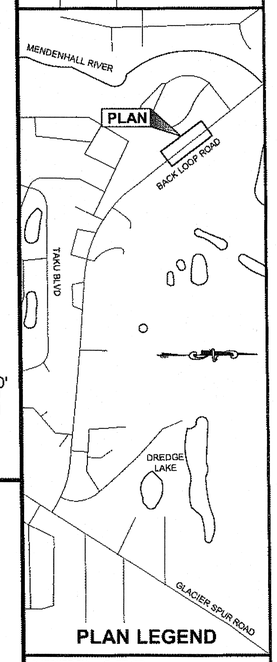
CHAMBERS, LUCAS M (DOT)
TAB: F11 Thursday, August 22, 2013 2:04:13 PM

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



PLAN LEGEND

CHECKED BY: C. TRIPP

STATE OF ALASKA
49th
Charles M. Tripp
CE-9613
REGISTERED PROFESSIONAL ENGINEER
8/23/13

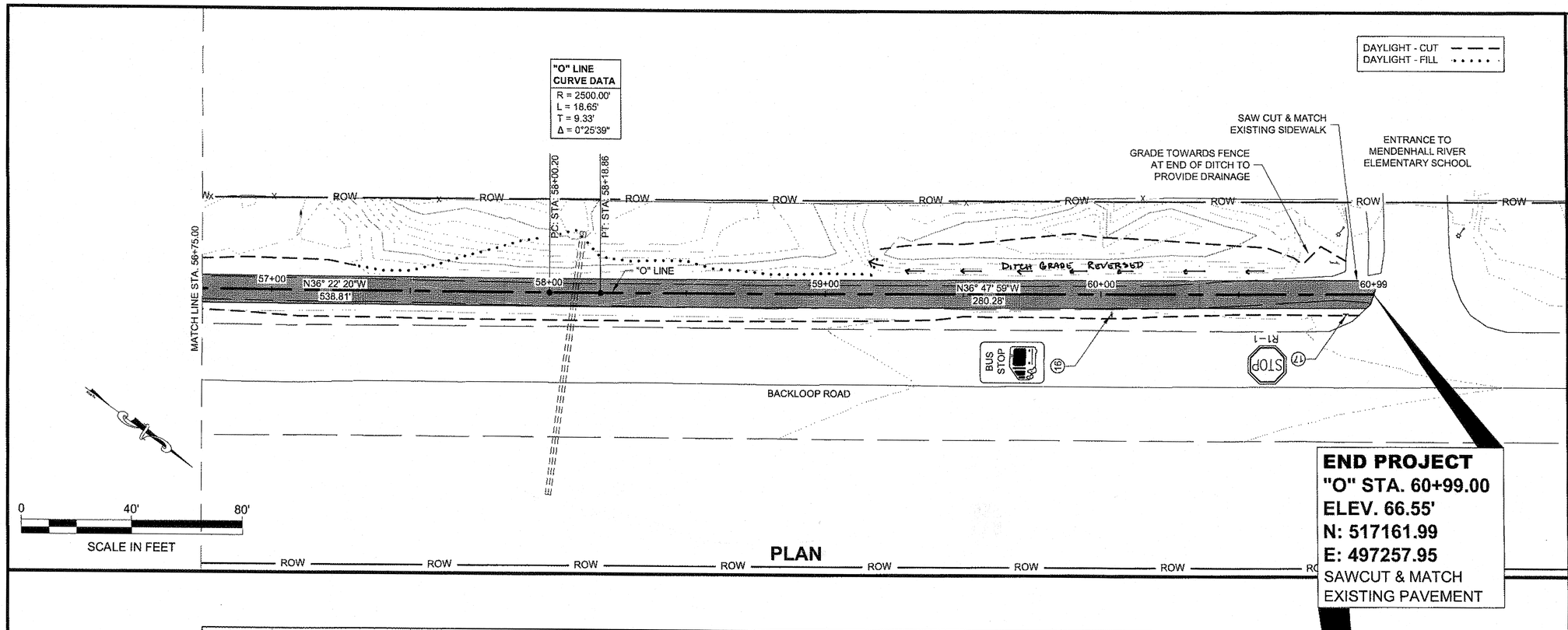
DESIGNED BY: L. CHAMBERS
DRAWN BY: L. CHAMBERS

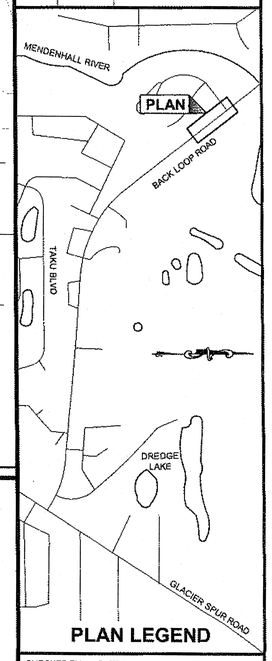
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

BACKLOOP SHARED USE PATH
REHABILITATION
PROJECT #69917

PLAN & PROFILE

PROJECT DESIGNATION	
TEA-0966(27)~69917	
STATE	YEAR
ALASKA	2013
SHEET NUMBER	TOTAL SHEETS
F11	38





PLAN LEGEND

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE _____ Date _____

PATH: Q:\JNU\69917\PLANSET\69917_F1-F12_PLAN.DWG

CHAMBERS, LUCAS M (DOT)
TAB: F12 Thursday, August 22, 2013 2:04:18 PM

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

CHECKED BY: C. TRIPP

STATE OF ALASKA
49th
Charles M. Tripp
CE-9613
REGISTERED PROFESSIONAL ENGINEER
8/23/13

DESIGNED BY: L. CHAMBERS

DRAWN BY: L. CHAMBERS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

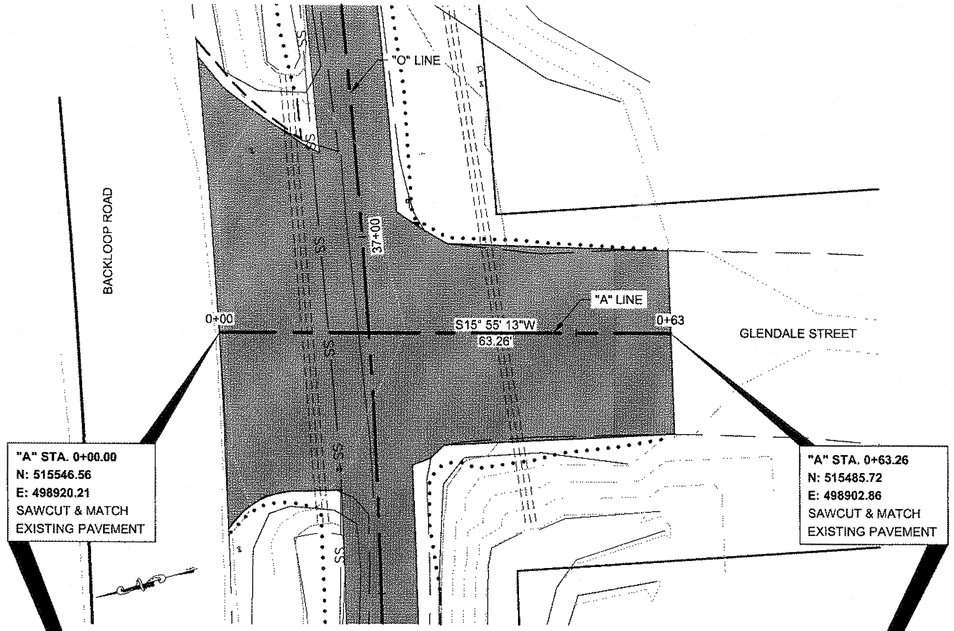
BACKLOOP SHARED USE PATH
REHABILITATION
PROJECT #69917

PLAN & PROFILE

PROJECT DESIGNATION
TEA-0966(27)~69917

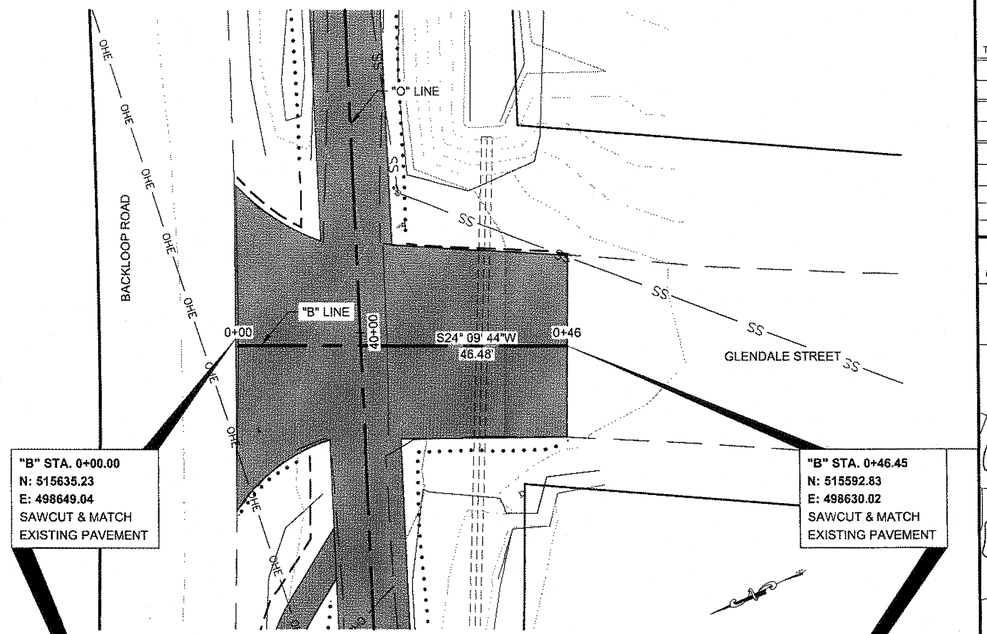
STATE	YEAR
ALASKA	2013

SHEET NUMBER	TOTAL SHEETS
F12	38



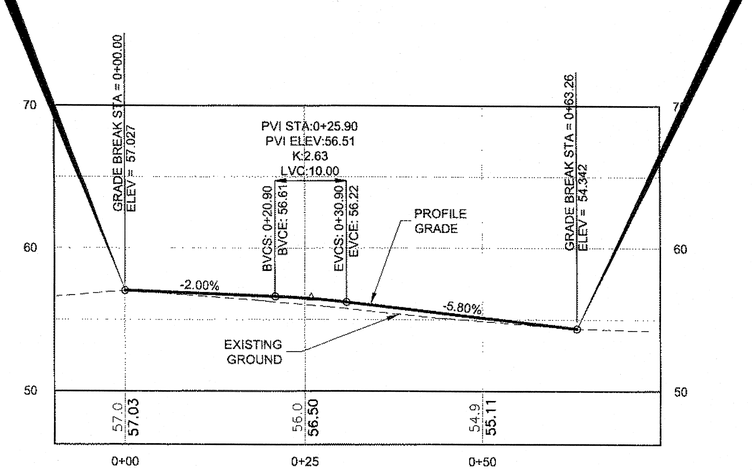
PLAN

GLENDALE STREET EAST EXIT

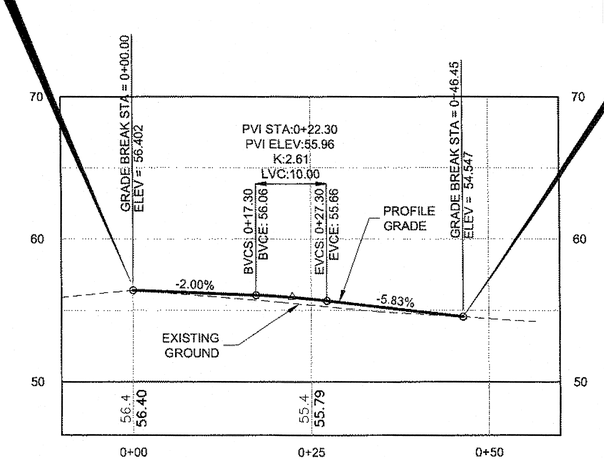


PLAN

GLENDALE STREET WEST EXIT



PROFILE



PROFILE

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

NOTES:

1. INTERSECTION CROWN IS ESTABLISHED BY SHARED USE PATH PROFILE.
2. USE AGGREGATE BASE COURSE, GRADING D-1 TO ADJUST SIDE STREET GRADE.

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE _____ Date 8/29/14

PATH: Q:\JNU\69917\PLANSET\69917_G1_INTERSECTION

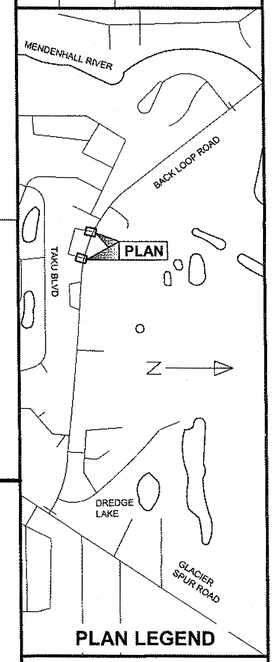
CHAMBERS, LUCAS M (DOT)
TAB: G1 Thursday, August 22, 2013 2:05:01 PM

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



PLAN LEGEND

CHECKED BY: C. TRIPP

STATE OF ALASKA
49th
Charles M. Tripp
CE-9613
REGISTERED PROFESSIONAL ENGINEER
8/23/13

DESIGNED BY: L. CHAMBERS

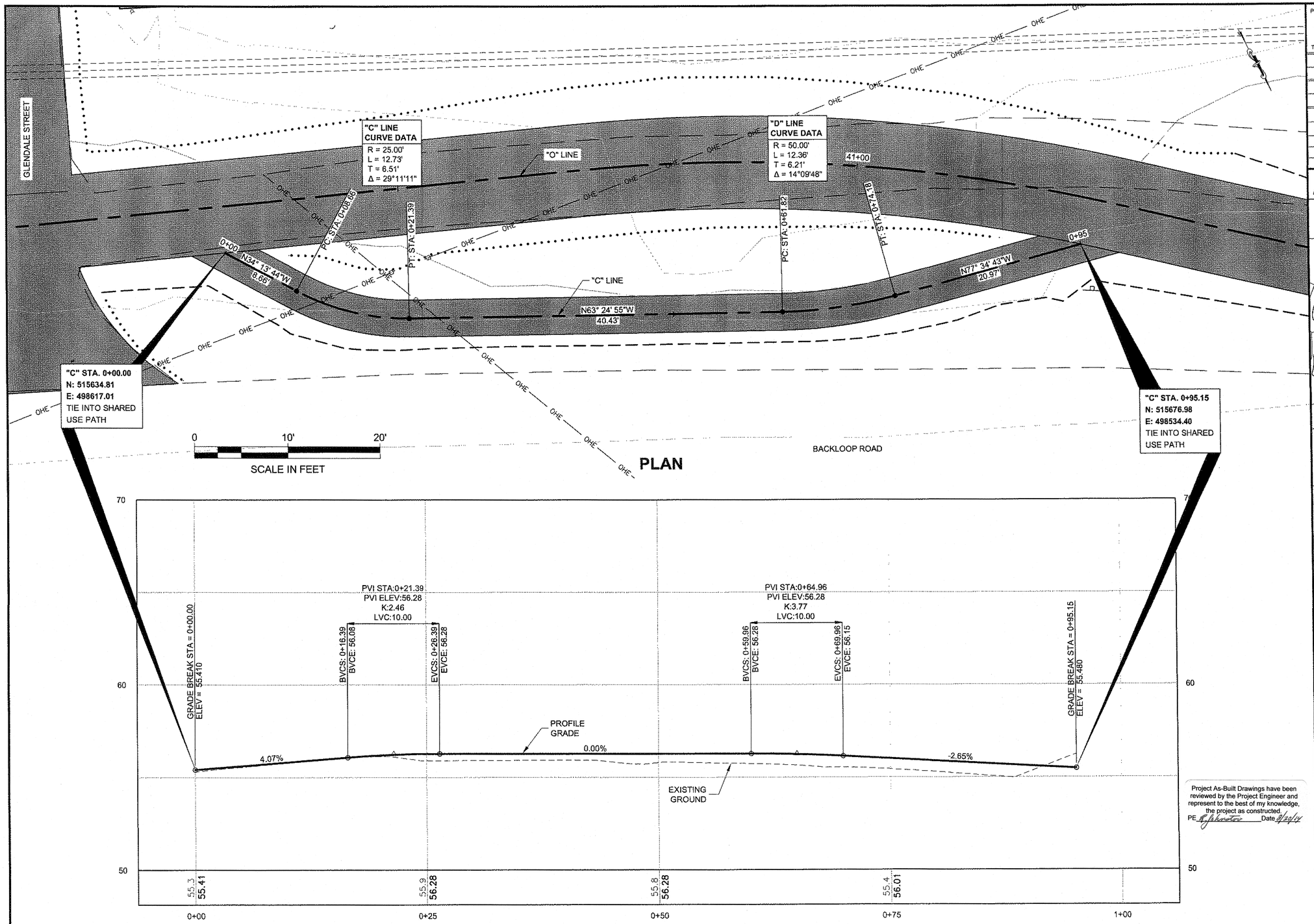
DRAWN BY: L. CHAMBERS

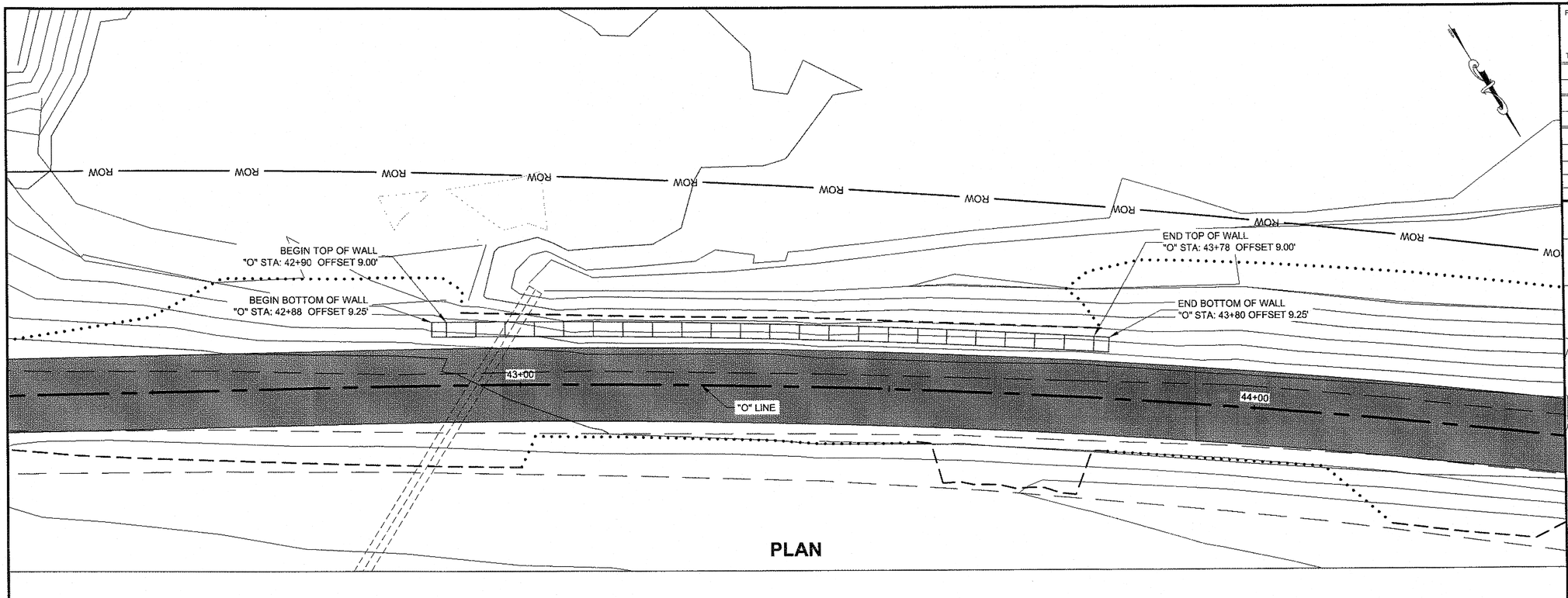
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

BACKLOOP SHARED USE PATH
REHABILITATION
PROJECT #69917

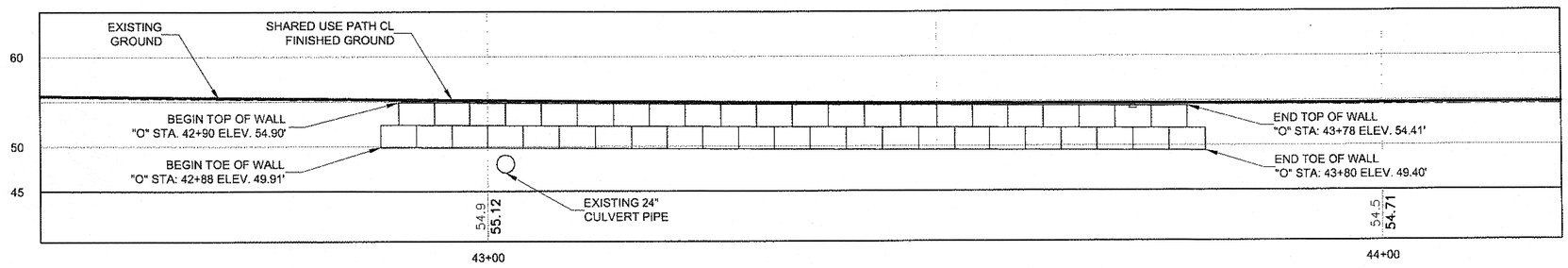
INTERSECTION PLAN & PROFILE

PROJECT DESIGNATION	
TEA-0966(27)~69917	
STATE	YEAR
ALASKA	2013
SHEET NUMBER	TOTAL SHEETS
G1	38


GLENDALE STREET
"C" LINE
CURVE DATA
R = 25.00'
L = 12.73'
T = 6.51'
Δ = 29°11'11"
"O" LINE
"D" LINE
CURVE DATA
R = 50.00'
L = 12.36'
T = 6.21'
Δ = 14°09'48"
41+00
PC: STA. 0+14.65
PT: STA. 0+21.39
PC: STA. 0+61.82
PT: STA. 0+74.18
0+00
N34° 13' 44"W
8.66'
"C" LINE
N63° 24' 55"W
40.43'
0+95
N77° 34' 43"W
20.97'
OHE
"C" STA. 0+00.00
N: 515634.81
E: 498617.01
TIE INTO SHARED
USE PATH
"C" STA. 0+95.15
N: 515676.98
E: 498534.40
TIE INTO SHARED
USE PATH
0
10'
20'
SCALE IN FEET
PLAN
BACKLOOP ROAD
70
60
50
PVI STA:0+21.39
PVI ELEV:56.28
K:2.46
LVC:10.00
PVI STA:0+64.96
PVI ELEV:56.28
K:3.77
LVC:10.00
GRADE BREAK STA = 0+00.00
ELEV = 55.410
BVCS: 0+16.39
BVCE: 56.08
EVCS: 0+26.39
EVCE: 56.28
BVCS: 0+59.96
BVCE: 56.28
EVCS: 0+69.96
EVCE: 56.15
GRADE BREAK STA = 0+95.15
ELEV = 55.480
PROFILE
GRADE
4.07%
0.00%
-2.65%
EXISTING
GROUND
55.3
55.41
55.9
56.28
55.8
56.28
55.4
56.01
0+00
0+25
0+50
0+75
1+00
PROFILE
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS
Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE
Date 8/29/14
PATH: Q:\JNU\69917\PLANSET\69917_J1_BUSRAMP.DWG
CHAMBERS, LUCAS M (DOT)
TAB: J1
Thursday, August 22, 2013 2:05:31 PM
ADDENDUM NUMBER
ATTACHMENT NUMBER
RECORD OF REVISIONS
No.
DATE
DESCRIPTION
MENDENHALL RIVER
BACK LOOP ROAD
TAKU BLVD
PLAN
DREDGE
LAKE
GLACIER
SPUR ROAD
PLAN LEGEND
CHECKED BY: C. TRIPP
STATE OF ALASKA
49th
Charles M. Tripp
CE-9613
REGISTERED PROFESSIONAL ENGINEER
8/23/13
DESIGNED BY: L. CHAMBERS
DRAWN BY: L. CHAMBERS
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION
BACKLOOP SHARED USE PATH
REHABILITATION
PROJECT #69917
BUS STOP RAMP
PLAN & PROFILE
PROJECT DESIGNATION
TEA-0966(27)~69917
STATE
ALASKA
YEAR
2013
SHEET NUMBER
J1
TOTAL SHEETS
38



PLAN



PROFILE

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH: Q:\JNU\69917\PLANSET\69917_M1-M2_RETWALL.

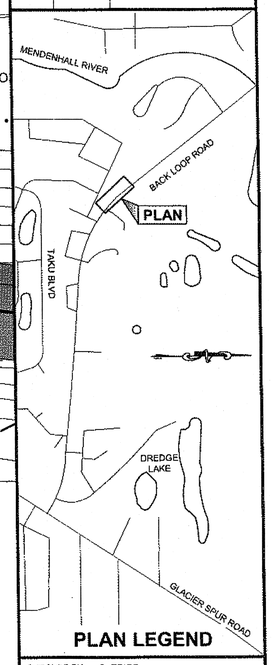
CHAMBERS, LUCAS M (DOT)
TAB: M1 Thursday, August 22, 2013 2:06:28 PM

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



PLAN LEGEND

CHECKED BY: C. TRIPP

STATE OF ALASKA
49th
Charles M. Tripp
CE-9613
REGISTERED PROFESSIONAL ENGINEER
8/23/13

DESIGNED BY: L. CHAMBERS

DRAWN BY: L. CHAMBERS

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE _____ Date 8/29/14

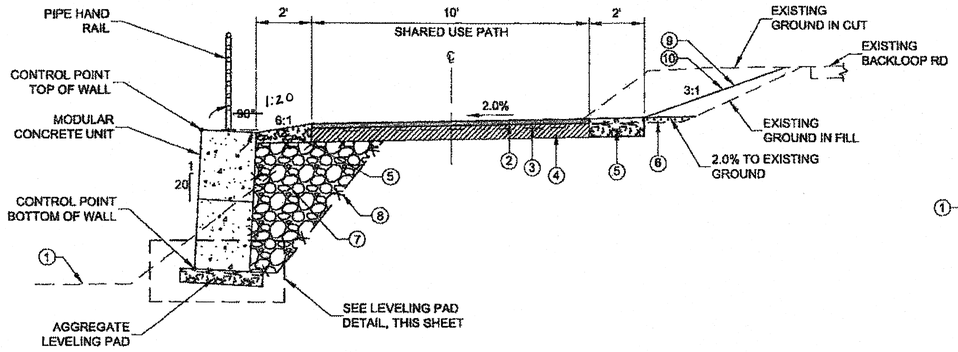
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

BACKLOOP SHARED USE PATH
REHABILITATION
PROJECT #69917

RETAINING WALL PLAN & PROFILE

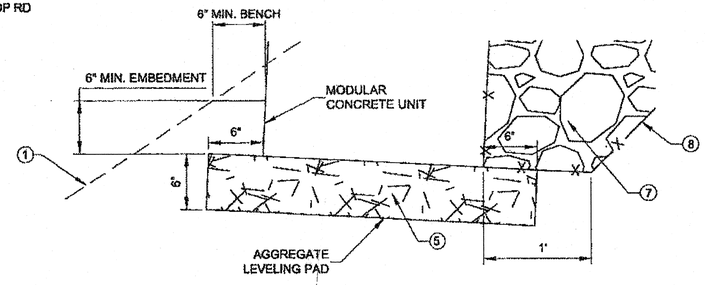
PROJECT DESIGNATION
TEA-0966(27)~69917

STATE	YEAR
ALASKA	2013
SHEET NUMBER	TOTAL SHEETS
M1	38



RETAINING WALL TYPICAL SECTION

N.T.S.



LEVELING PAD DETAIL

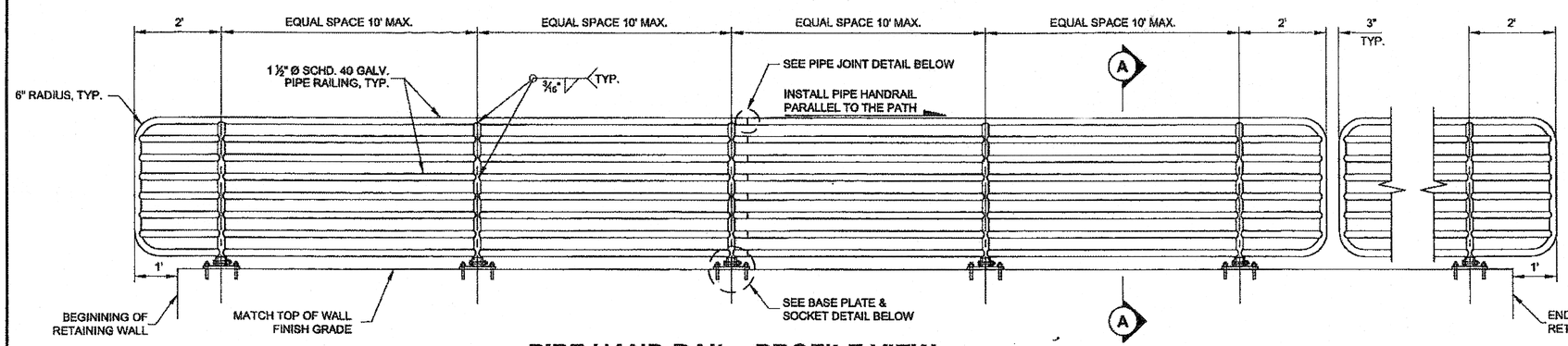
N.T.S.

MATERIAL LEGEND

1. EXISTING GROUND
2. 2" ASPHALT CONCRETE, TYPE II, CLASS B
3. STE-1 ASPHALT FOR TACK COAT
4. 8" CRUSHED ASPHALT BASE COURSE (CABC)
5. AGGREGATE BASE COURSE, GRADING D-1
6. SELECT MATERIAL, TYPE A
7. POROUS BACKFILL MATERIAL
8. GEOTEXTILE SEPARATION FABRIC
9. BONDED FIBER MATRIX
10. SEEDING

LEVELING PAD NOTES:

1. BACKFILL THE FRONT FACE OF THE WALL FROM DAYLIGHT OF WALL EXCAVATION TO 6 INCHES MINIMUM ABOVE CONTROL POINT BOTTOM OF WALL AND COMPACT TO THE SATISFACTION OF THE ENGINEER.

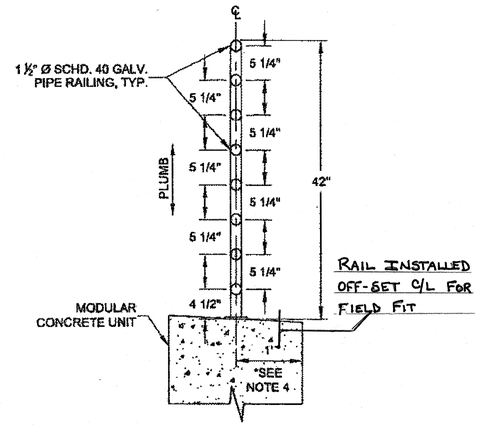


PIPE HAND RAIL - PROFILE VIEW

N.T.S.

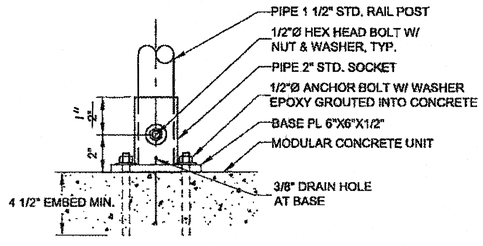
HANDRAIL NOTES:

1. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS OF ALL PEDESTRIAN RAILING, PRIOR TO FABRICATION, FOR THE ENGINEER'S REVIEW AND APPROVAL.
2. THE 6" DIMENSION BETWEEN PIPE RAIL SECTIONS IS TYPICAL. THE CONTRACTOR MAY ADJUST THE SPACING BETWEEN RAIL SECTIONS +/- 3" AS REQUIRED TO AVOID CONFLICTS.
3. ALL METAL RAILING SHALL BE HOT DIP GALVANIZED AFTER FABRICATION.
4. INSTALL FIRST AND LAST BASE PLATE OF EACH HAND RAIL SECTION 1' ON CENTER FROM FACE OF MODULAR CONCRETE BLOCK. INTERIOR BASE PLATE OFFSET FROM FACE OF WALL WILL VARY.
5. INSTALL PIPE HANDRAIL AT 90° TO VERTICAL PLAN.



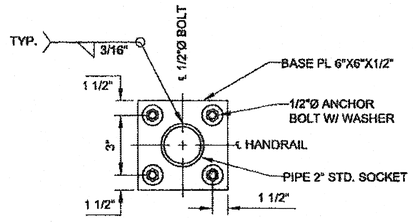
SECTION A-A

N.T.S.



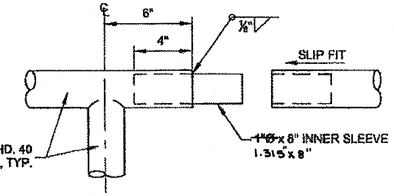
BASE PLATE & SOCKET PROFILE

N.T.S.



BASE PLATE & SOCKET PLAN

N.T.S.



PIPE JOINT DETAIL

N.T.S.

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE Johnston Date 11/14/14

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: C. TRIPP
DESIGNED BY: L. CHAMBERS
DRAWN BY: L. CHAMBERS

STATE OF ALASKA
49th
Charles R. Tripp
CE-9613
REGISTERED PROFESSIONAL ENGINEER
10/22/13

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

BACKLOOP SHARED USE PATH REHABILITATION PROJECT #69917

RETAINING WALL DETAILS

PATH: Q:\JNU\69917\PLANSET\69917_M1-M2_RETWALL.DWG
TAB: M2 Tuesday, October 22, 2013 11:58:41 AM CHAMBERS, LUCAS M (DOT)

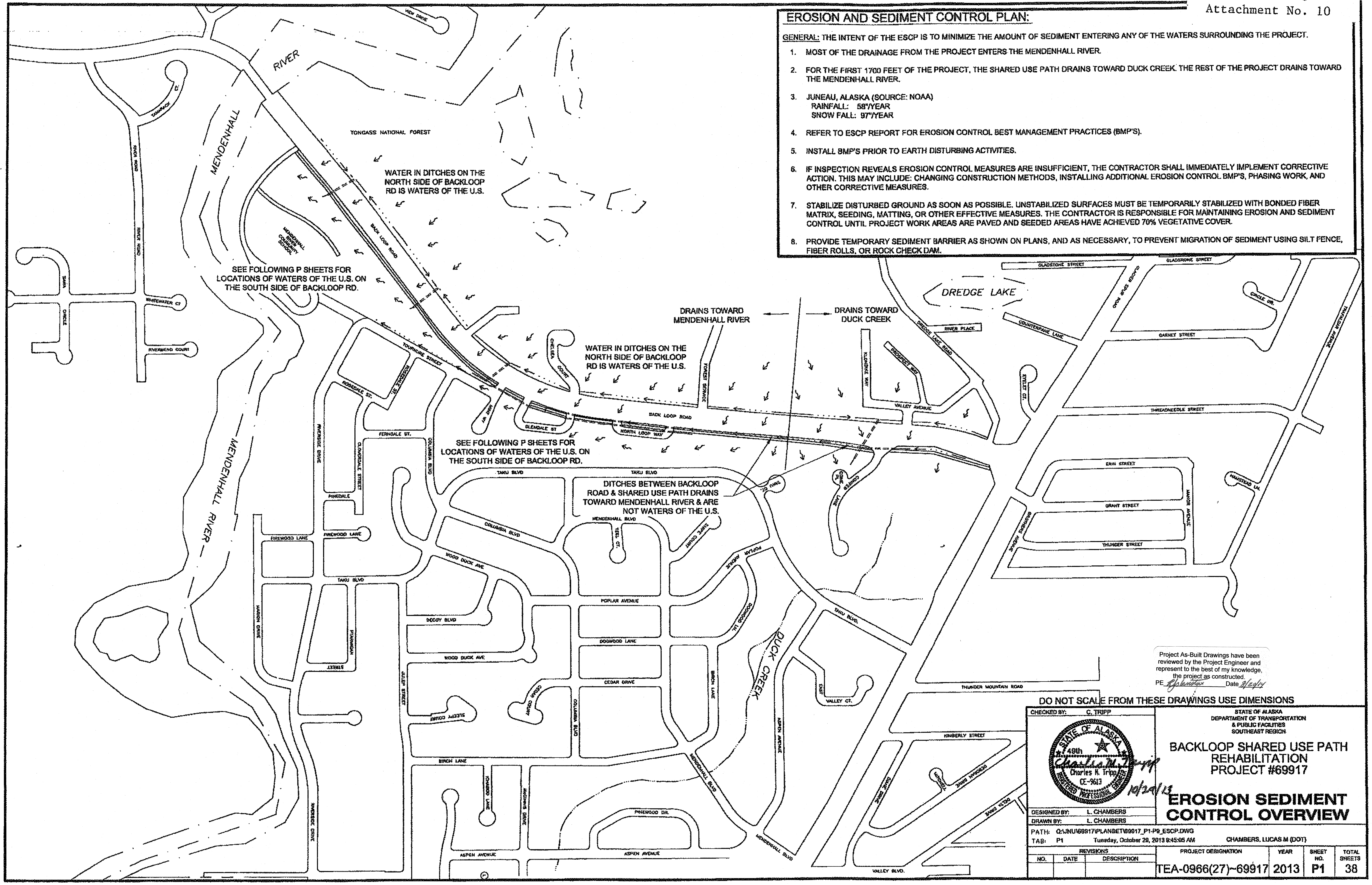
REVISIONS NO.	DATE	DESCRIPTION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			TEA-0966(27)~69917	2013	M2	38

Addendum No. 3
Attachment No. 10

EROSION AND SEDIMENT CONTROL PLAN:

GENERAL: THE INTENT OF THE ESCP IS TO MINIMIZE THE AMOUNT OF SEDIMENT ENTERING ANY OF THE WATERS SURROUNDING THE PROJECT.

1. MOST OF THE DRAINAGE FROM THE PROJECT ENTERS THE MENDENHALL RIVER.
2. FOR THE FIRST 1700 FEET OF THE PROJECT, THE SHARED USE PATH DRAINS TOWARD DUCK CREEK. THE REST OF THE PROJECT DRAINS TOWARD THE MENDENHALL RIVER.
3. JUNEAU, ALASKA (SOURCE: NOAA)
   RAINFALL: 58"/YEAR
   SNOW FALL: 97"/YEAR
4. REFER TO ESCP REPORT FOR EROSION CONTROL BEST MANAGEMENT PRACTICES (BMP'S).
5. INSTALL BMP'S PRIOR TO EARTH DISTURBING ACTIVITIES.
6. IF INSPECTION REVEALS EROSION CONTROL MEASURES ARE INSUFFICIENT, THE CONTRACTOR SHALL IMMEDIATELY IMPLEMENT CORRECTIVE ACTION. THIS MAY INCLUDE: CHANGING CONSTRUCTION METHODS, INSTALLING ADDITIONAL EROSION CONTROL BMP'S, PHASING WORK, AND OTHER CORRECTIVE MEASURES.
7. STABILIZE DISTURBED GROUND AS SOON AS POSSIBLE. UNSTABILIZED SURFACES MUST BE TEMPORARILY STABILIZED WITH BONDED FIBER MATRIX, SEEDING, MATTING, OR OTHER EFFECTIVE MEASURES. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING EROSION AND SEDIMENT CONTROL UNTIL PROJECT WORK AREAS ARE PAVED AND SEEDED AREAS HAVE ACHIEVED 70% VEGETATIVE COVER.
8. PROVIDE TEMPORARY SEDIMENT BARRIER AS SHOWN ON PLANS, AND AS NECESSARY, TO PREVENT MIGRATION OF SEDIMENT USING SILT FENCE, FIBER ROLLS, OR ROCK CHECK DAM.



Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE [signature] Date 8/20/14

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: C. TRIPP

[Seal: STATE OF ALASKA 49th Charles N. Tripp CE-9613 REGISTERED PROFESSIONAL ENGINEER] [signature] 10/29/13

DESIGNED BY: L. CHAMBERS
DRAWN BY: L. CHAMBERS

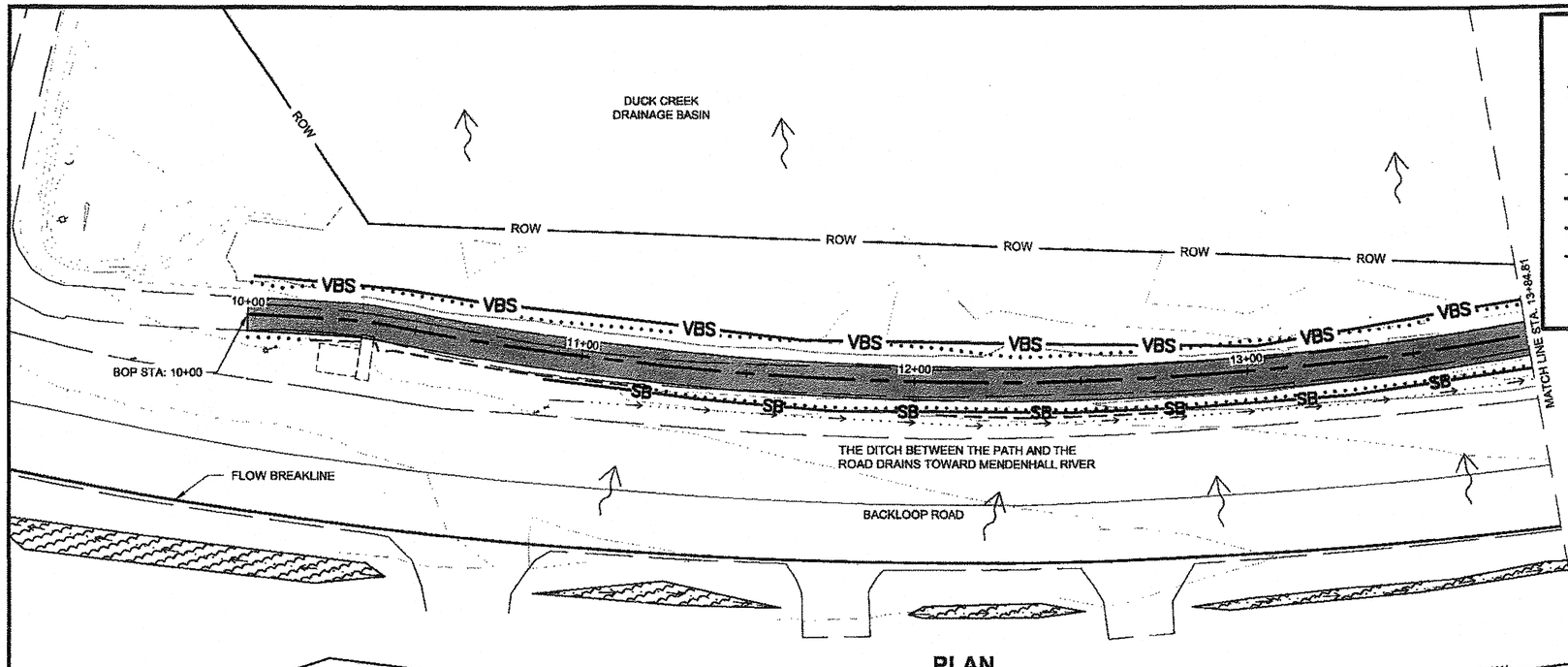
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

BACKLOOP SHARED USE PATH REHABILITATION PROJECT #69917

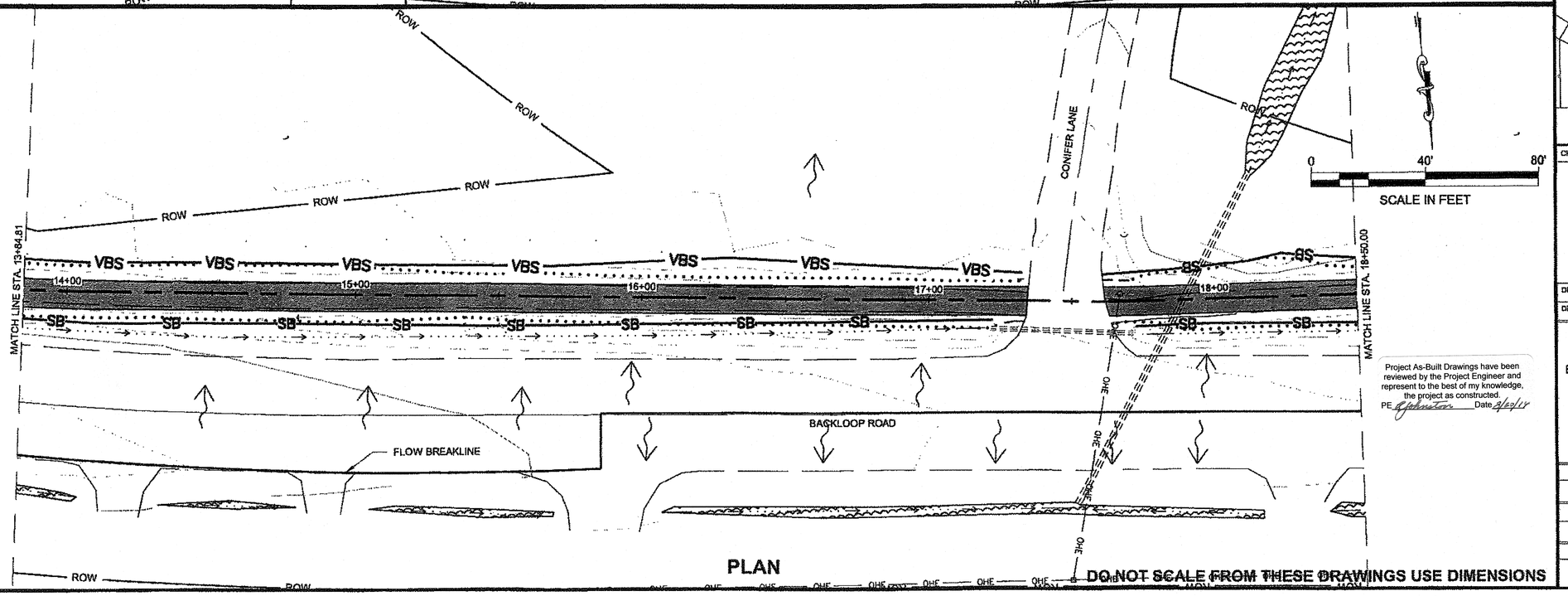
EROSION SEDIMENT CONTROL OVERVIEW

PATH: Q:\JNU\69917\PLANSET\69917_P1-P9_ESCP.DWG
TAB: P1 Tuesday, October 29, 2013 9:45:05 AM CHAMBERS, LUCAS M (DOT)

REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION	TEA-0966(27)~69917	2013	P1	38



PLAN



PLAN

LEGEND

- = CUT LIMITS
- = FILL LIMITS
- = FLOW DIRECTION
- = DITCHLINE FLOW DIRECTION
- SB = TEMPORARY SEDIMENT BARRIER
- FR = FIBER ROLLS
- VBS = VEGETATIVE BUFFER STRIP
- = TEMPORARY CHECK DAM
- = WATERS OF THE U.S.

0 40' 80'

SCALE IN FEET

0 40' 80'

SCALE IN FEET

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.

PE C. Johnston Date 3/20/15

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH: C:\JNU\69917\PLANSET\69917_P1-P9_ESCP.DWG

CHAMBERS, LUCAS M (DOT)

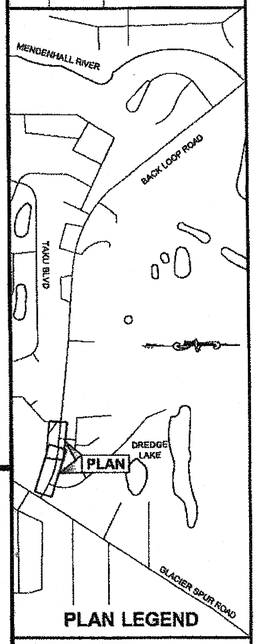
TAB: P2 Tuesday, October 29, 2013 8:47:34 AM

ADDENDUM NUMBER
3

ATTACHMENT NUMBER
10

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



PLAN LEGEND

CHECKED BY: C. TRIPP

STATE OF ALASKA
49th
Charles M. Tripp
CE-9613
REGISTERED PROFESSIONAL ENGINEER
10/29/13

DESIGNED BY: L. CHAMBERS

DRAWN BY: L. CHAMBERS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

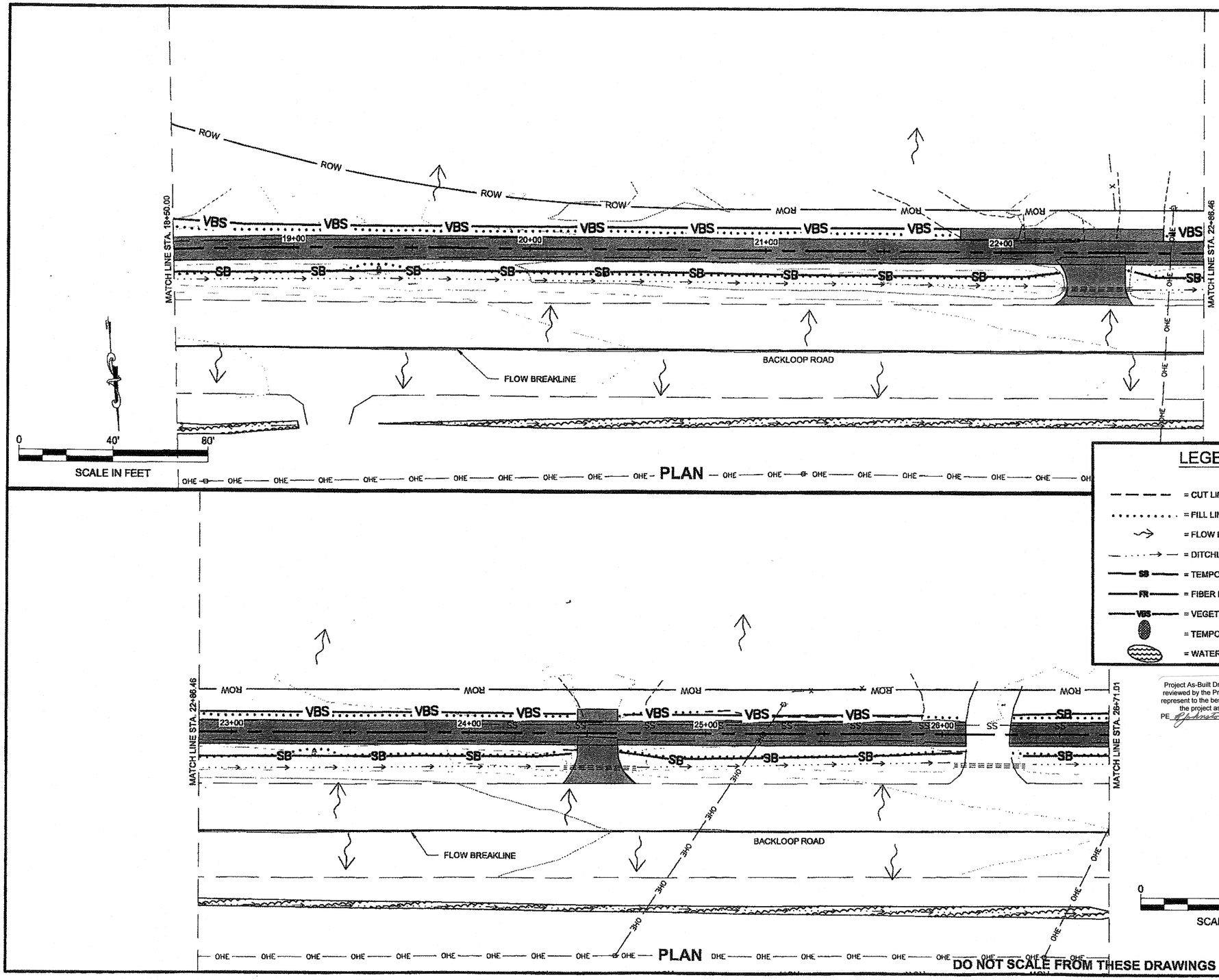
BACKLOOP SHARED USE PATH
REHABILITATION
PROJECT #69917

EROSION SEDIMENT CONTROL PLANS

PROJECT DESIGNATION
TEA-0966(27)~69917

STATE	YEAR
ALASKA	2013

SHEET NUMBER	TOTAL SHEETS
P2	38



LEGEND

- = CUT LIMITS
- = FILL LIMITS
- = FLOW DIRECTION
- = DITCHLINE FLOW DIRECTION
- SB = TEMPORARY SEDIMENT BARRIER
- FR = FIBER ROLLS
- VBS = VEGETATIVE BUFFER STRIP
- = TEMPORARY CHECK DAM
- = WATERS OF THE U.S.

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE Johnston Date 9/25/14

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH: C:\JNU\69917\PLANSET\69917_P1-P9_ESCP.DWG

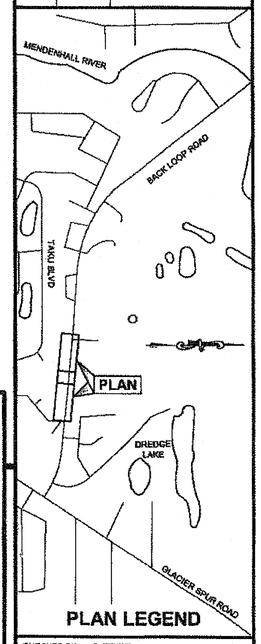
CHAMBERS, LUCAS M (DOT)
TAB: P3 Tuesday, October 29, 2013 8:47:41 AM

ADDENDUM NUMBER
3

ATTACHMENT NUMBER
10

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



PLAN LEGEND

CHECKED BY: C. TRIPP

STATE OF ALASKA
49th
Charles M. Tripp
CE-9613
REGISTERED PROFESSIONAL ENGINEER
10/29/13

DESIGNED BY: L. CHAMBERS

DRAWN BY: L. CHAMBERS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

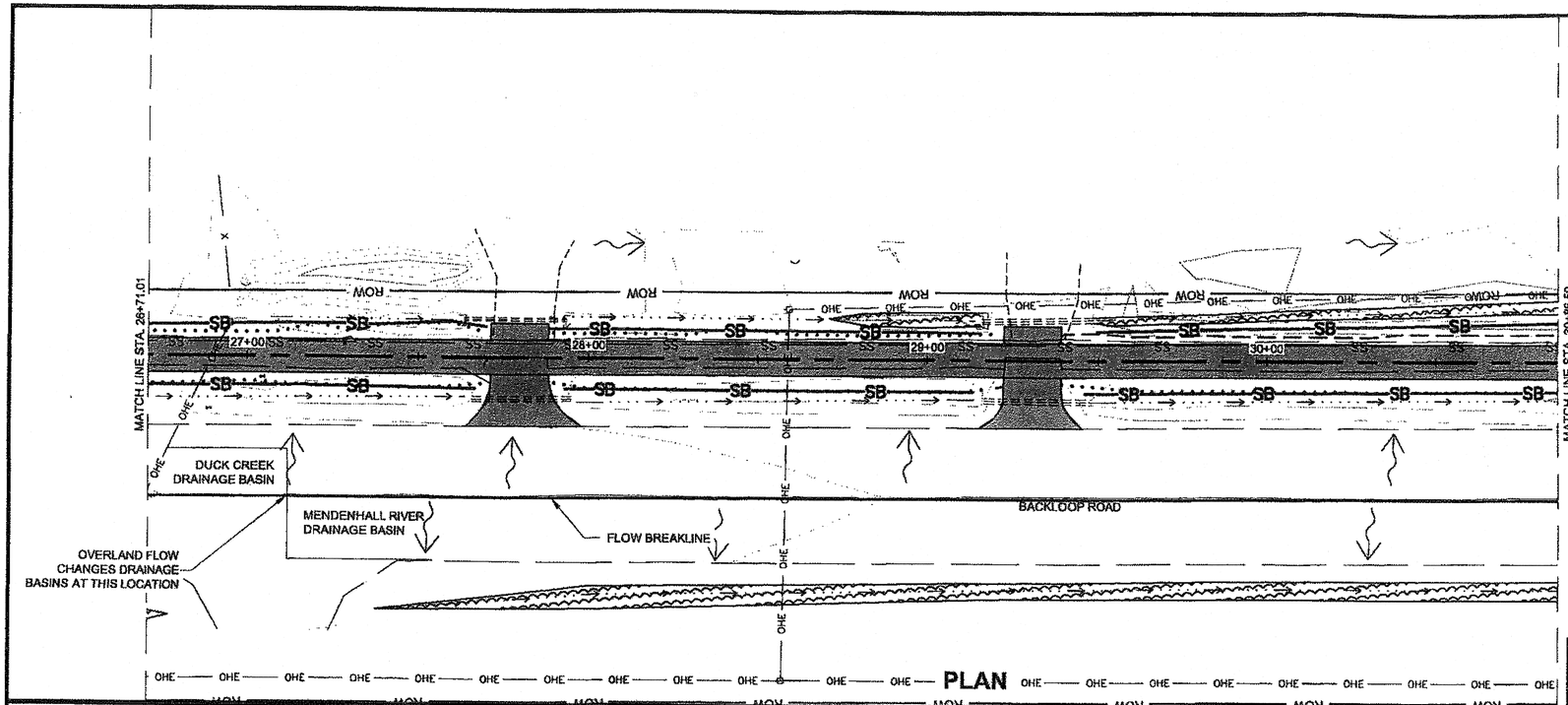
BACKLOOP SHARED USE PATH
REHABILITATION
PROJECT #69917

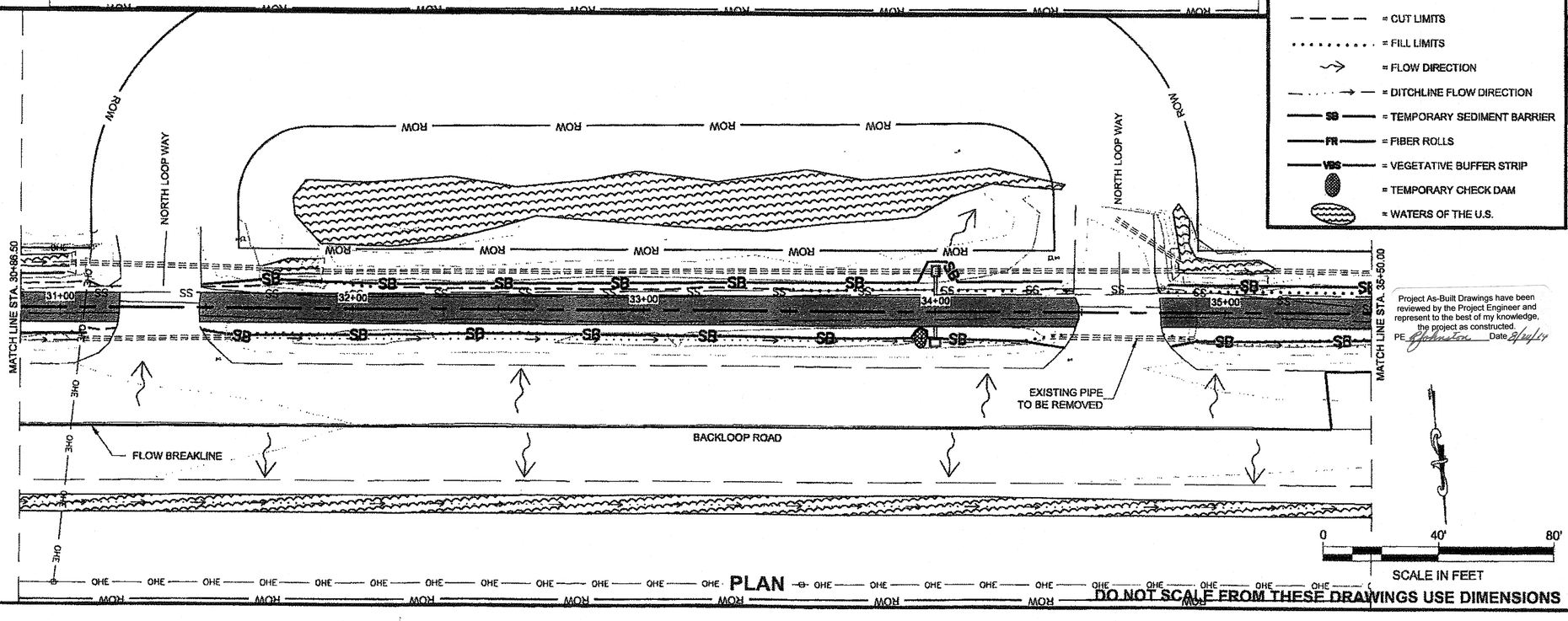
EROSION SEDIMENT CONTROL PLANS

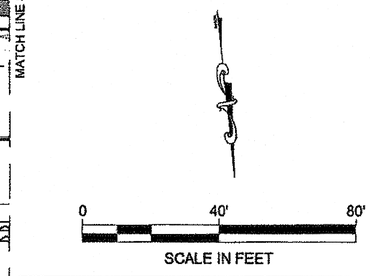
PROJECT DESIGNATION
TEA-0966(27)~69917

STATE	YEAR
ALASKA	2013

SHEET NUMBER	TOTAL SHEETS
P3	38







LEGEND

- = CUT LIMITS
- = FILL LIMITS
- = FLOW DIRECTION
- = DITCHLINE FLOW DIRECTION
- SB = TEMPORARY SEDIMENT BARRIER
- FR = FIBER ROLLS
- VBS = VEGETATIVE BUFFER STRIP
- = TEMPORARY CHECK DAM
- = WATERS OF THE U.S.

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE Johnston Date 4/24/14

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH: C:\JNU\69917\PLANSET\69917_P1-P9_ESCP.DWG

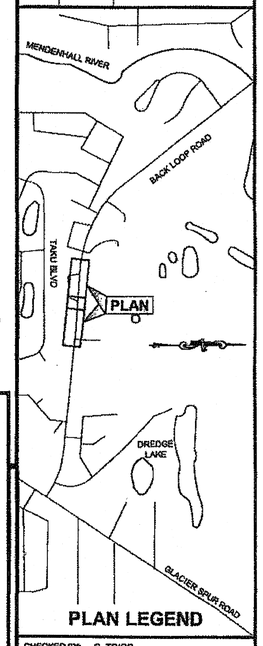
CHAMBERS, LUCAS M (DOT)
TAB: P4 Tuesday, October 29, 2013 9:47:46 AM

ADDENDUM NUMBER
3

ATTACHMENT NUMBER
10

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



PLAN LEGEND

CHECKED BY: C. TRIPP

STATE OF ALASKA
49th
Charles M. Tripp
CE-9613
REGISTERED PROFESSIONAL ENGINEER
10/29/13

DESIGNED BY: L. CHAMBERS
DRAWN BY: L. CHAMBERS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

BACKLOOP SHARED USE PATH
REHABILITATION
PROJECT #69917

EROSION SEDIMENT CONTROL PLANS

PROJECT DESIGNATION
TEA-0966(27)~69917

STATE	YEAR
ALASKA	2013

SHEET NUMBER	TOTAL SHEETS
P4	38

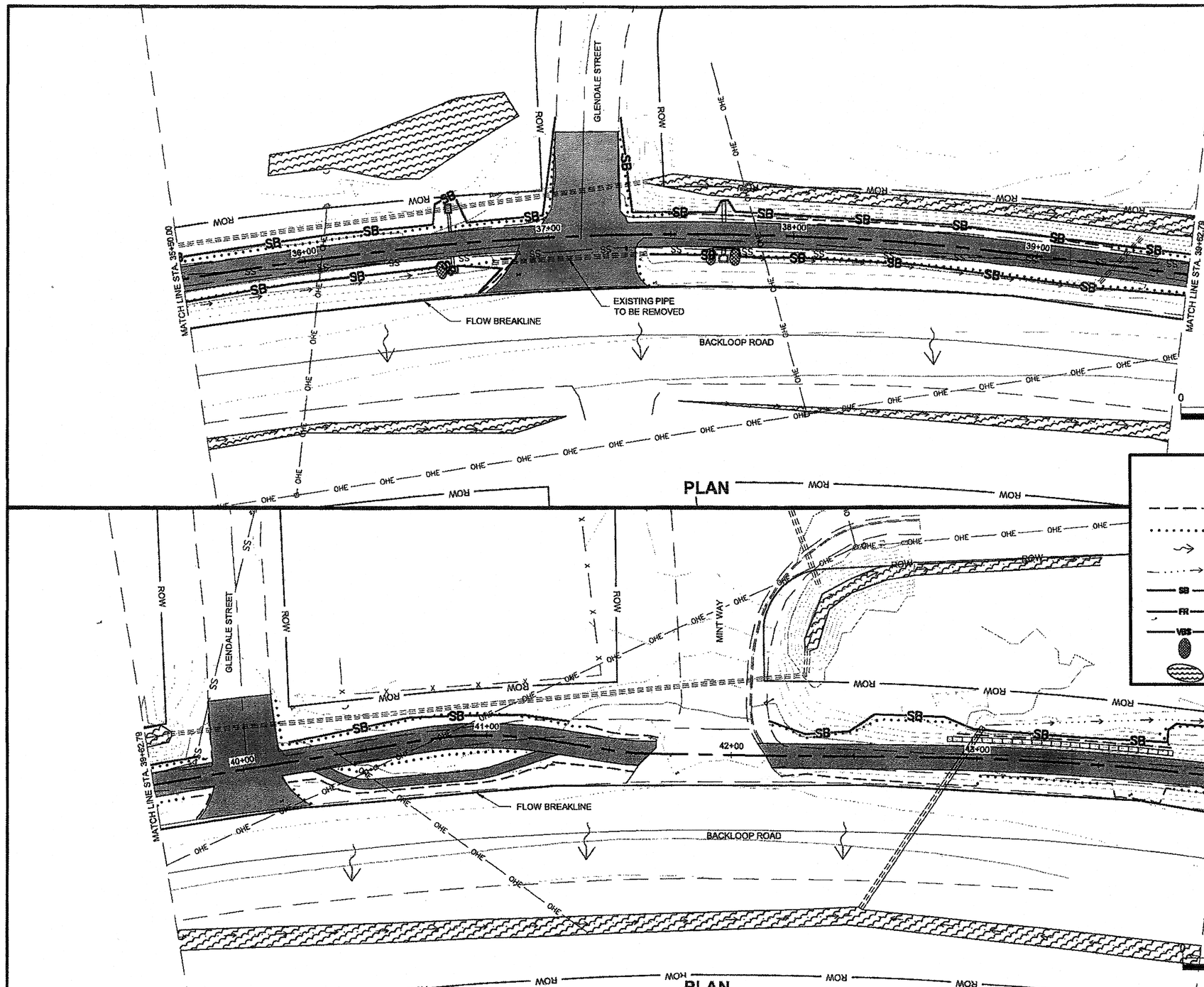
PATH: Q:\JNU\69917\PLANSET\69917_P1-P8_ESCP.DWG

CHAMBERS, LUCAS M (DOT)
TAB: P5 Tuesday, October 29, 2013 9:47:51 AM

ADDENDUM NUMBER
3
ATTACHMENT NUMBER
10

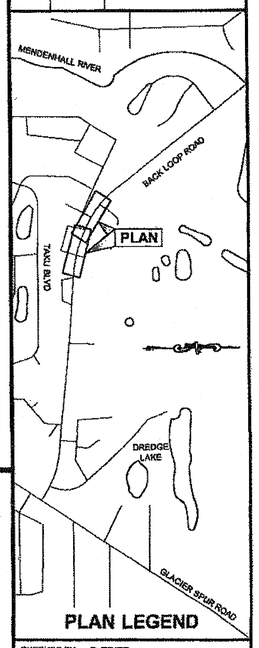
RECORD OF REVISIONS

No.	DATE	DESCRIPTION



LEGEND

- = CUT LIMITS
- = FILL LIMITS
- = FLOW DIRECTION
- = DITCHLINE FLOW DIRECTION
- SB = TEMPORARY SEDIMENT BARRIER
- FR = FIBER ROLLS
- VBS = VEGETATIVE BUFFER STRIP
- = TEMPORARY CHECK DAM
- = WATERS OF THE U.S.



PLAN LEGEND

CHECKED BY: C. TRIPP

STATE OF ALASKA
49th
Charles M. Tripp
CE-9613
REGISTERED PROFESSIONAL ENGINEER
10/29/13

DESIGNED BY: L. CHAMBERS

DRAWN BY: L. CHAMBERS

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE _____ Date 11/21/14

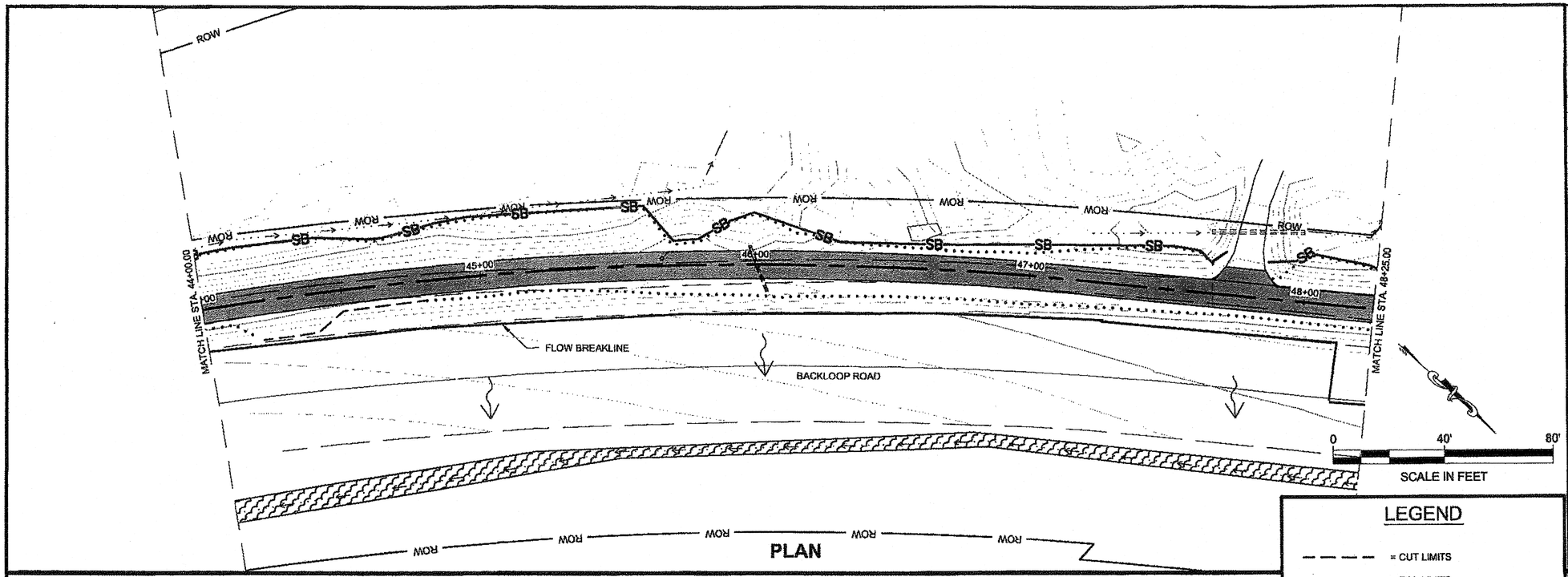
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

BACKLOOP SHARED USE PATH REHABILITATION
PROJECT #69917

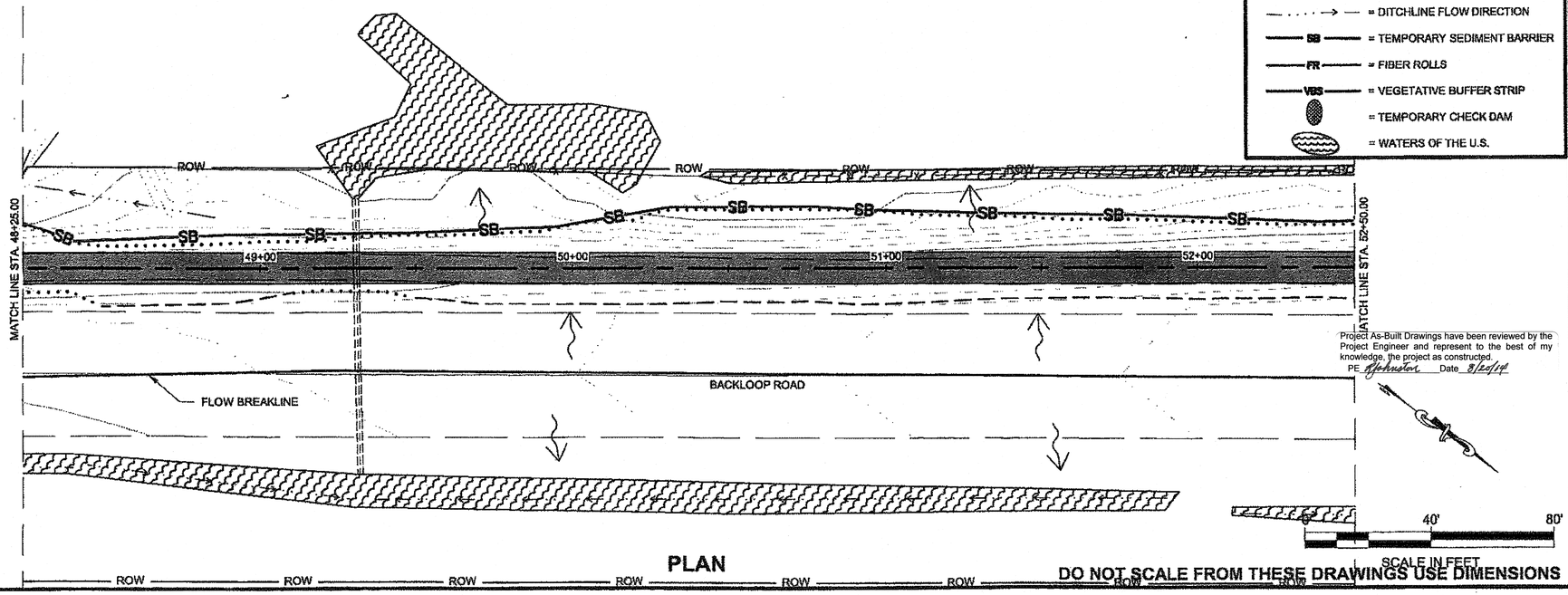
EROSION SEDIMENT CONTROL PLANS

PROJECT DESIGNATION	
TEA-0966(27)~69917	
STATE	YEAR
ALASKA	2013
SHEET NUMBER	TOTAL SHEETS
P5	38

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



PLAN



PLAN

LEGEND

- = CUT LIMITS
- = FILL LIMITS
- = FLOW DIRECTION
- = DITCHLINE FLOW DIRECTION
- SB = TEMPORARY SEDIMENT BARRIER
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Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE AJohnston Date 8/20/14

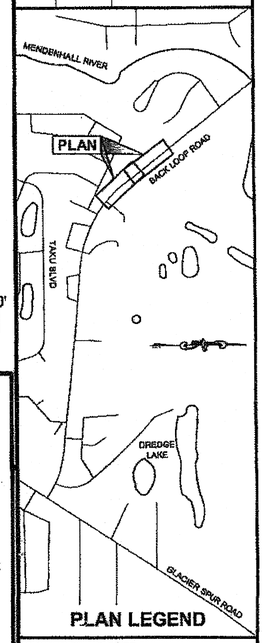
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH: Q:\INU\69917\PLANSET\69917_P1-P9_ESCP.DWG
CHAMBERS, LUCAS M (DOT)
TAB: P6 Tuesday, October 29, 2013 12:01:54 PM

ADDENDUM NUMBER
3
ATTACHMENT NUMBER
10

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



PLAN LEGEND

CHECKED BY: C. TRIPP

STATE OF ALASKA 49th Charles M. Tripp CE-9613 REGISTERED PROFESSIONAL ENGINEER
10/29/13

DESIGNED BY: L. CHAMBERS
DRAWN BY: L. CHAMBERS

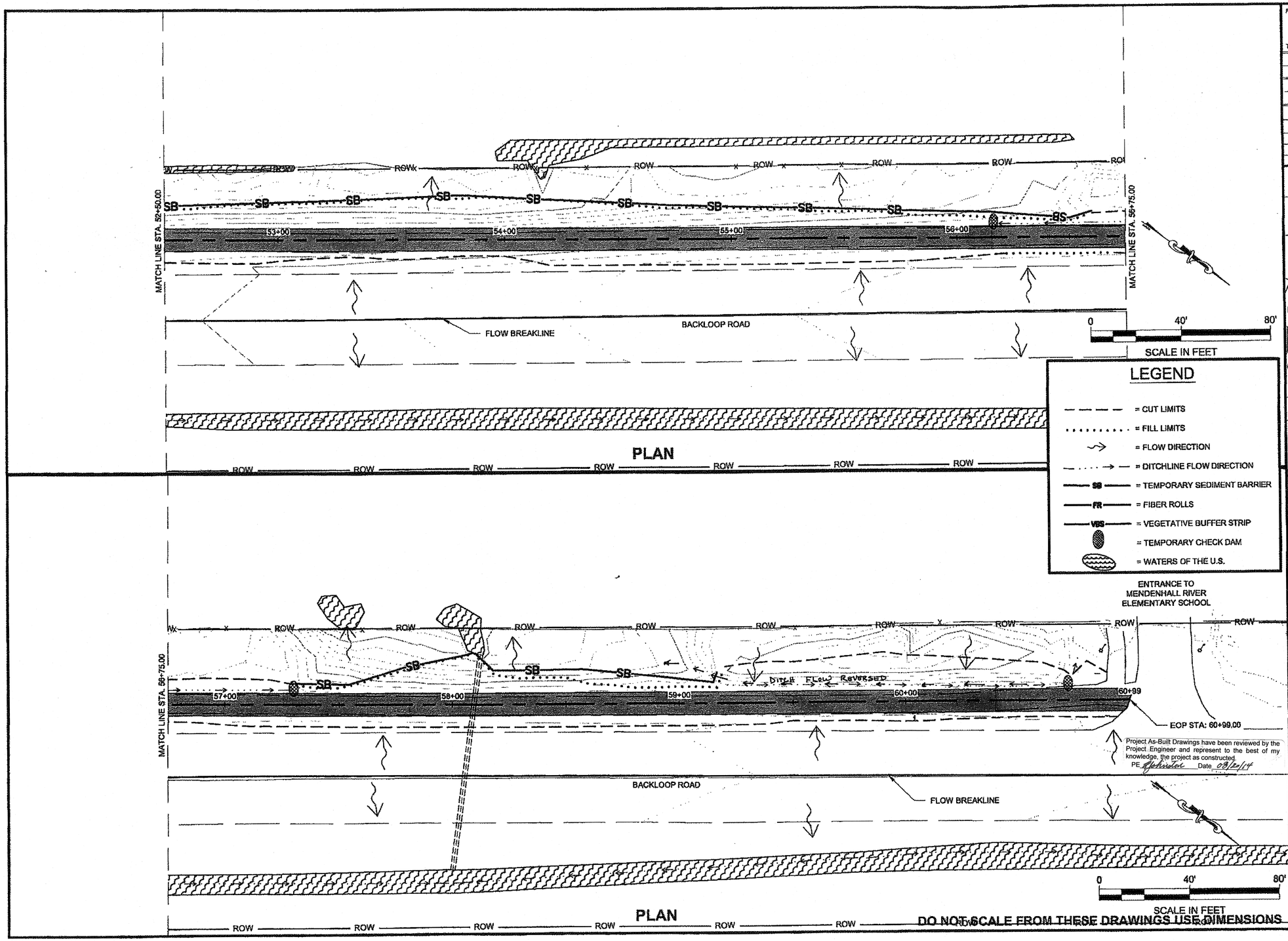
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

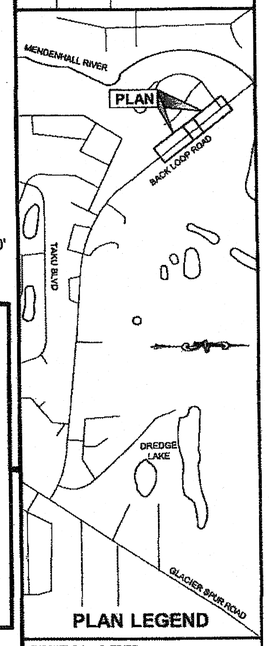
BACKLOOP SHARED USE PATH REHABILITATION
PROJECT #69917

EROSION SEDIMENT CONTROL PLANS

PROJECT DESIGNATION
TEA-0966(27)~69917

STATE	YEAR
ALASKA	2013
SHEET NUMBER	TOTAL SHEETS
P6	38





PLAN LEGEND

PATH: Q:\JNU\69917\PLANSET\69917_P1-P9_ESCP.DWG

CHAMBERS, LUCAS M (DOT)
TAB: P7 Tuesday, October 29, 2013 9:48:01 AM

ADDENDUM NUMBER
3
ATTACHMENT NUMBER
10

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

CHECKED BY: C. TRIPP

STATE OF ALASKA 49th Charles M. Tripp CE-9613 REGISTERED PROFESSIONAL ENGINEER 10/29/13

DESIGNED BY: L. CHAMBERS

DRAWN BY: L. CHAMBERS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

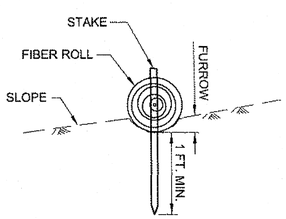
BACKLOOP SHARED USE PATH
REHABILITATION
PROJECT #69917

EROSION SEDIMENT CONTROL PLANS

PROJECT DESIGNATION
TEA-0966(27)~69917

STATE	YEAR
ALASKA	2013

SHEET NUMBER	TOTAL SHEETS
P7	38



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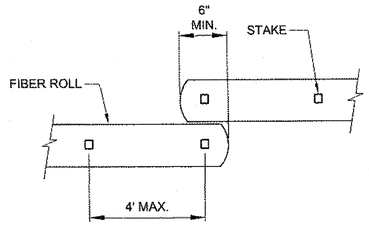
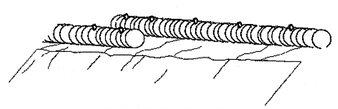


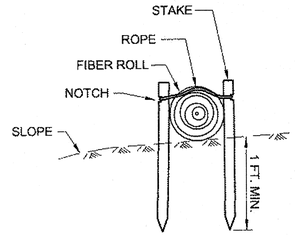
PLAN

FIBER ROLL (TYPE 1)



PERSPECTIVE

FIBER ROLL (TYPE 1)



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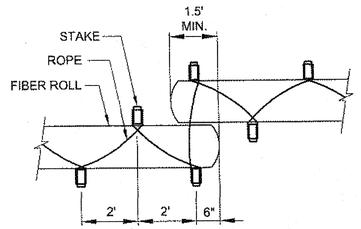
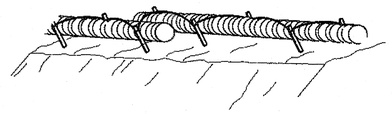


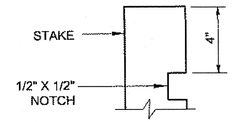
PLAN

FIBER ROLL (TYPE 2)



PERSPECTIVE

FIBER ROLL (TYPE 2)



STAKE

TYPICAL FIBER ROLL DETAIL

NOTES:

1. REFER TO APPENDIX B OF THE SPECIAL PROVISIONS FOR THE ENVIRONMENTAL COMMITMENTS.
2. EROSION CONTROL MEASURES WILL BE EVALUATED BY THE ENGINEER BASED ON EFFECTIVENESS. THOSE FOUND INEFFECTIVE MUST BE REPLACED OR REPAIRED WITHIN 24 HOURS FOLLOWING NOTIFICATION.
3. THE LOCATIONS OF TEMPORARY EROSION & SEDIMENT POLLUTION CONTROLS ARE RECOMMENDATIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PREPARE AND IMPLEMENT A SWPPP ACCORDING TO SECTION 641 OF THE SPECS.
4. INSTALL EROSION AND SEDIMENT CONTROL DEVICES BEFORE BEGINNING EARTH DISTURBING ACTIVITIES OR AS SPECIFIED ELSEWHERE.
5. THE LOCATION AND LENGTH OF FIBER ROLLS IS DEPENDENT ON THE CONDITIONS OF THE SITE.
6. ANCHOR AS NECESSARY TO FIRMLY SECURE FIBER ROLLS AND PROVIDE CONTINUOUS CONTACT WITH THE SURFACE ON WHICH IT IS INSTALLED.
7. LAP ADJACENT FIBER ROLLS TO PREVENT SEDIMENT BYPASS.

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE Johnston Date 8/29/14

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: C. TRIPP
DESIGNED BY: L. CHAMBERS
DRAWN BY: L. CHAMBERS

STATE OF ALASKA · 49th · Charles M. Tripp · CE-9613 · REGISTERED PROFESSIONAL ENGINEER
8/23/13

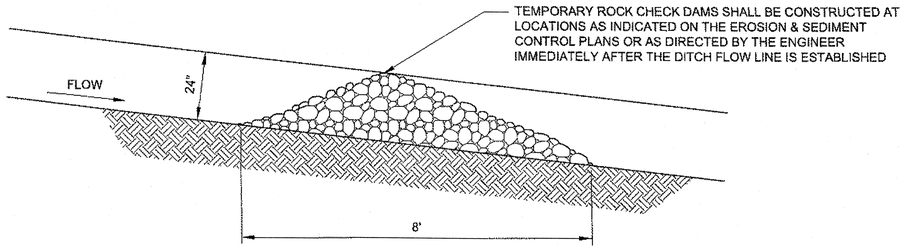
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

BACKLOOP SHARED USE PATH
REHABILITATION
PROJECT #69917

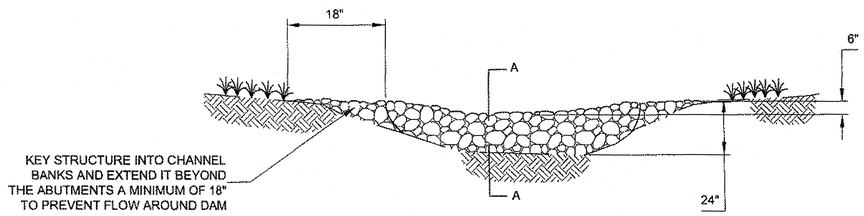
EROSION SEDIMENT CONTROL DETAILS

PATH: Q:\UNU\69917\PLANSET\69917_P1-P9_ESCP.DWG
TAB: P8 Thursday, August 22, 2013 2:08:42 PM CHAMBERS, LUCAS M (DOT)

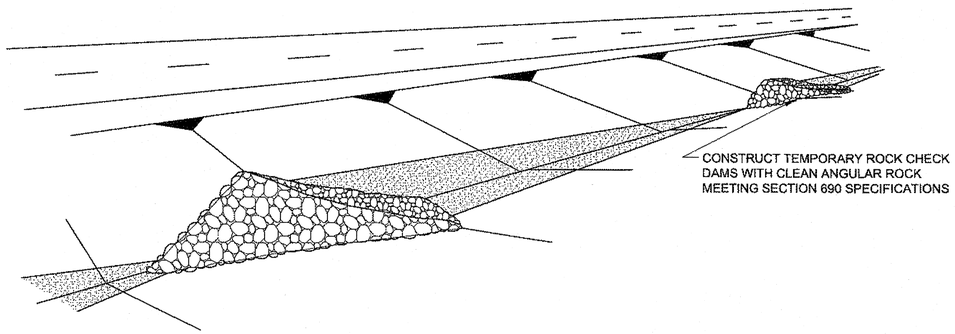
REVISIONS NO.	DATE	DESCRIPTION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			TEA-0966(27)~69917	2013	P8	38



SECTION A-A

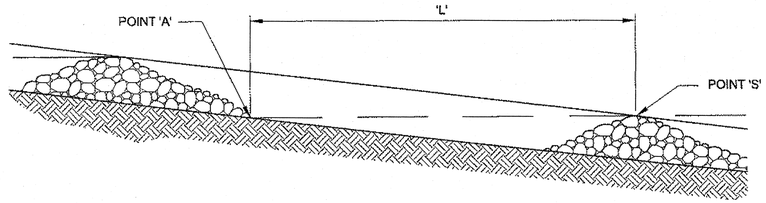


VIEW LOOKING UPSTREAM TEMPORARY ROCK CHECK DAM



TEMPORARY ROCK CHECK DAM ISOMETRIC VIEW

"L" = THE DISTANCE SUCH THAT POINTS 'A' AND 'S' ARE OF EQUAL ELEVATION



SPACING BETWEEN TEMPORARY ROCK CHECK DAMS

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE Johnson Date 08/30/14

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: C. TRIPP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

STATE OF ALASKA 49th Charles M. Tripp CE-9613 REGISTERED PROFESSIONAL ENGINEER
8/23/13

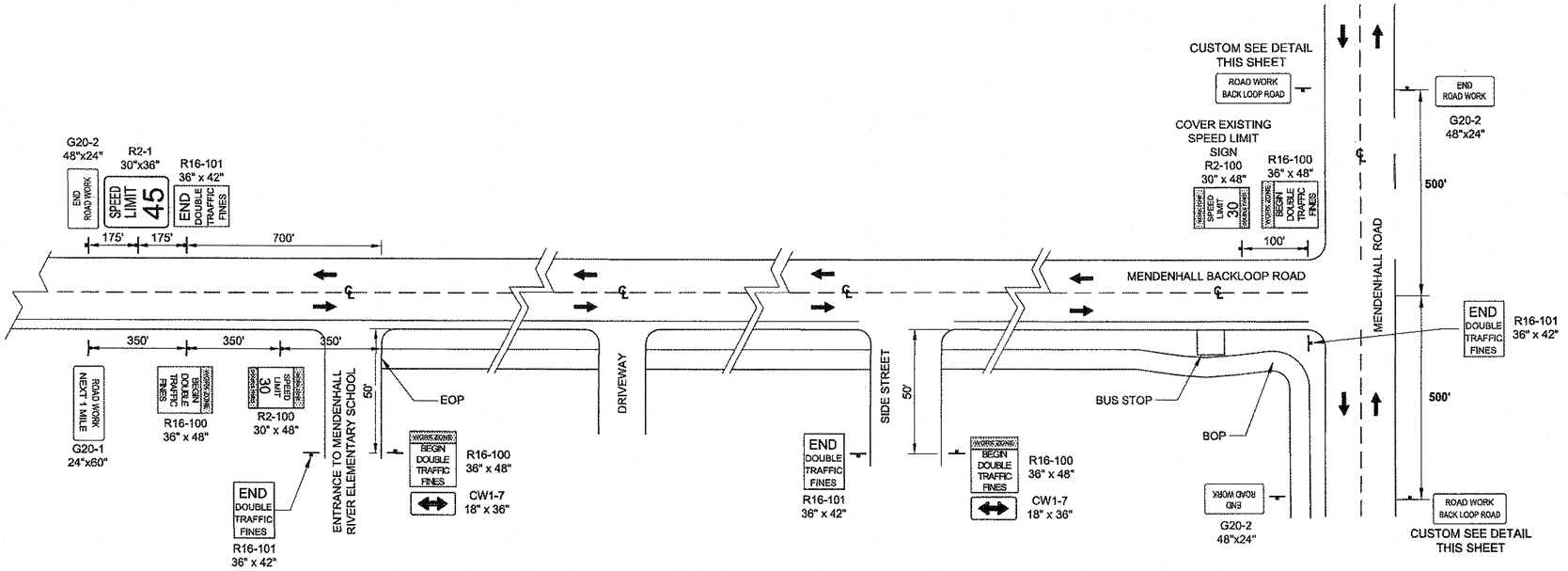
BACKLOOP SHARED USE PATH
REHABILITATION
PROJECT #69917

DESIGNED BY: L. CHAMBERS
DRAWN BY: L. CHAMBERS

EROSION SEDIMENT CONTROL DETAILS

PATH: Q:\JNU\69917\PLANSET\69917_P1-P9_ESCP.DWG
TAB: P9 Thursday, August 22, 2013 2:06:46 PM CHAMBERS, LUCAS M (DOT)

REVISIONS NO.	DATE	DESCRIPTION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			TEA-0966(27)~69917	2013	P9	38



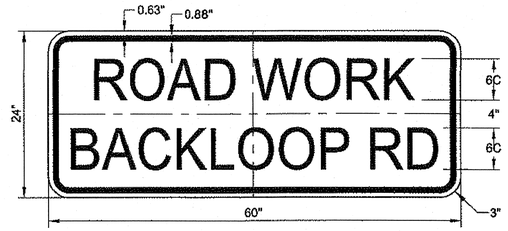
PERMANENT CONSTRUCTION SIGNING

LEGEND

SIGN

TRAFFIC CONTROL NOTES:

1. COVER OR REMOVE CONFLICTING EXISTING 45 MPH SIGNS. RETURN TO EXISTING SIGNS ONCE WORK ZONE SIGNS HAVE BEEN REMOVED.
2. MINIMUM OF ONE LANE SHALL REMAIN OPEN AT ALL TIMES IN WORK AREAS.
3. TEMPORARY DRIVING LANES SHALL HAVE A MINIMUM WIDTH OF 10'-0".
4. LANE CLOSURES ARE PROHIBITED BETWEEN THE HOURS OF 7 A.M. TO 9 A.M. AND 4 P.M.TO 6 P.M..
5. THE CONTRACTOR SHALL ORGANIZE CONSTRUCTION OPERATIONS SO THE TOTAL OF ALL STOPPAGES EXPERIENCED BY A VEHICLE TRAVELING THROUGH THE PROJECT DOES NOT EXCEED 20 MINUTES.
6. PROVIDE FOR CONTINUED ACCESS FOR BUSES AND USERS AT BUS STOPS AT ALL TIMES.
7. CONSTRUCTION SIGNING SHALL BE IN PLACE ONLY WHEN THE CONDITIONS EXIST FOR WHICH THE SIGNS ARE INTENDED.
8. CHANNELIZATION DEVICES IF USED AT NIGHT SHALL BE LIT IN ACCORDANCE WITH THE ALASKA TRAFFIC MANUAL.
9. THE CONTRACTOR SHALL PROVIDE PUBLIC NOTICE PRIOR TO EACH ROAD OR PATH CLOSURE. THIS WILL INCLUDE SIGNS STATING SPECIFIC DATES AND DURATION OF ROAD OR PATH CLOSURE.
10. DRIVEWAYS MAY BE CLOSED DURING ACTUAL WORK ON A GIVEN DRIVEWAY, PROVIDED THAT THE CLOSURE DOES NOT EXCEED 4 HOURS AND THE AFFECTED RESIDENTS HAVE BEEN GIVEN 24 HOURS NOTICE OF THE CLOSURE.
11. IT IS THE INTENT OF THIS TRAFFIC CONTROL PLAN (TCP) TO ILLUSTRATE SOME, NOT ALL, OF THE TRAFFIC CONTROL SETUPS WHICH WILL BE REQUIRED ON THIS PROJECT. PLANS FOR CONFIGURATIONS NOT COVERED BY THE TCP SHALL BE CREATED BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER FOR APPROVAL. WHERE APPROPRIATE, THEY SHALL INCORPORATE APPLICABLE DETAILS FROM THESE SHEETS.



BLACK LETTERING AND BORDER
ON ORANGE BACKGROUND.

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE Johnston Date 8/20/14

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: D. ESPTEIN

TCP NOT SEALED IN ACCORDANCE WITH ALASKA HIGHWAY PRECONSTRUCTION MANUAL SECTION 1400.3.5 DATED JANUARY 30, 2012

DESIGNED BY: L. CHAMBERS
DRAWN BY: L. CHAMBERS

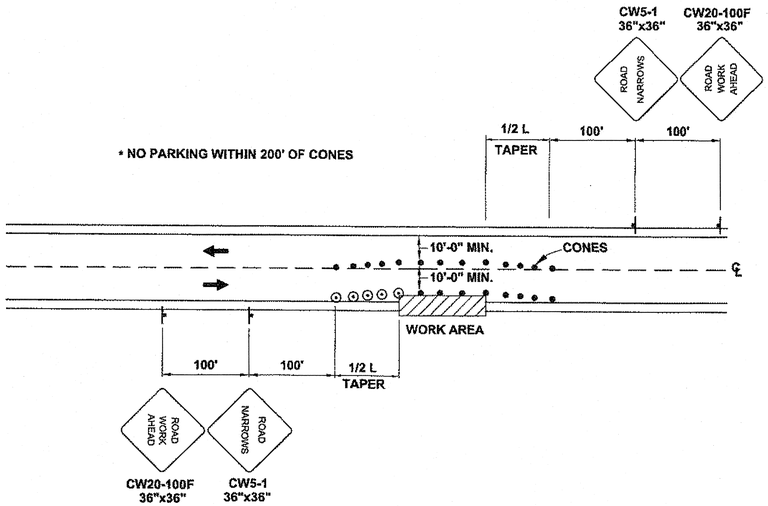
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

BACKLOOP SHARED USE PATH REHABILITATION
PROJECT #69917

TRAFFIC CONTROL PLAN

PATH: Q:\JNU\69917\PLANSET\69917_T1-T4_TCP.DWG
TAB: T1 Thursday, October 24, 2013 9:35:49 AM CHAMBERS, LUCAS M (DOT)

REVISIONS NO.	DATE	DESCRIPTION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			TEA-0966(27)~69917	2013	T1	38



ROADWAY ENCROACHMENT

NOTES:

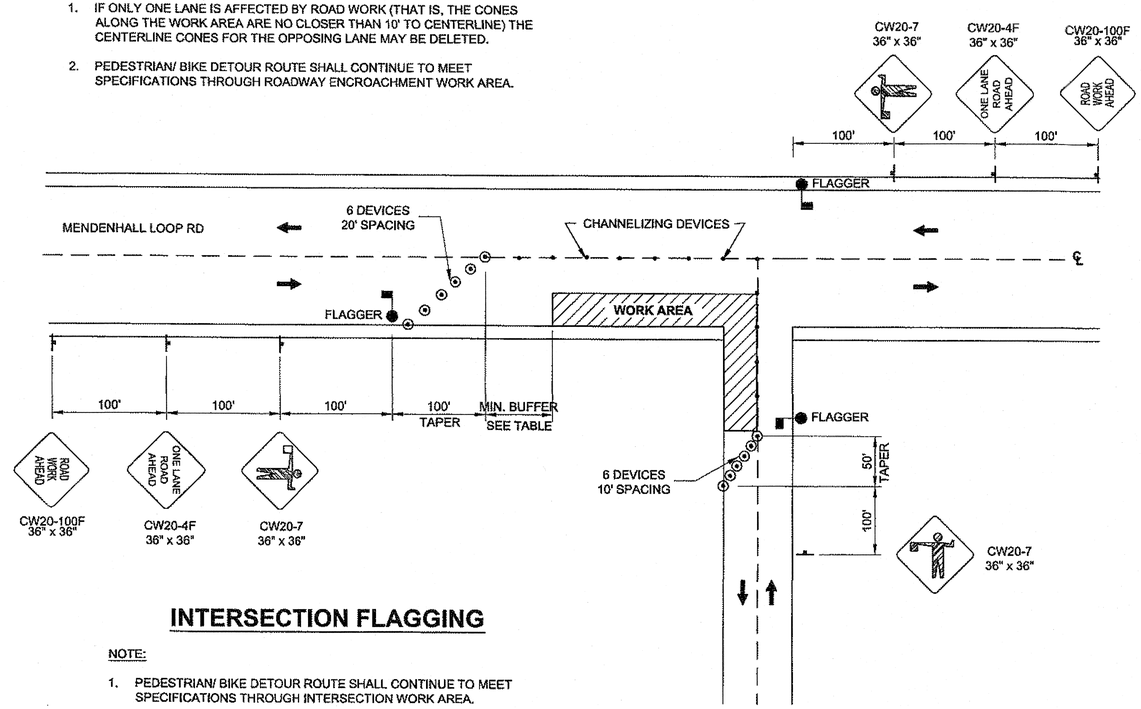
1. IF ONLY ONE LANE IS AFFECTED BY ROAD WORK (THAT IS, THE CONES ALONG THE WORK AREA ARE NO CLOSER THAN 10' TO CENTERLINE) THE CENTERLINE CONES FOR THE OPPOSING LANE MAY BE DELETED.
2. PEDESTRIAN/ BIKE DETOUR ROUTE SHALL CONTINUE TO MEET SPECIFICATIONS THROUGH ROADWAY ENCROACHMENT WORK AREA.

TCP SETUP TABLE

	MIN MERGING TAPER LENGTH (L) IN FEET WIDTH OF OFFSET (W) IN			MIN NUMBER OF DEVICES WIDTH OF OFFSET (W) IN FEET			MAX DEVICE SPACING IN FEET		BUFFER SPACE	BUFFER SPACE PER THE ATTSA GUIDE
SPEED (MPH)	10'	11'	12'	10'	11'	12'	ALONG TAPER	ALONG TANGENT	(FT)	(FT)
										35 FT FOR 20 MPH
25 OR BELOW	105	115	125	6	6	6	25	50	155	55
30	150	165	180	6	7	7	30	60	200	85
35	205	225	245	7	8	8	35	70	250	120
40	270	295	320	8	9	9	40	80	305	170
45	450	495	320	11	12	13	45	90	360	220

LEGEND

- SIGN
- CONE
- DRUM
- FLAGGING STATION



INTERSECTION FLAGGING

NOTE:

1. PEDESTRIAN/ BIKE DETOUR ROUTE SHALL CONTINUE TO MEET SPECIFICATIONS THROUGH INTERSECTION WORK AREA.

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE _____ Date 8/20/14

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: D. ESPTEIN
DESIGNED BY: L. CHAMBERS
DRAWN BY: L. CHAMBERS

TCP NOT SEALED IN ACCORDANCE WITH ALASKA HIGHWAY PRECONSTRUCTION MANUAL SECTION 1400.3.5 DATED JANUARY 30, 2012

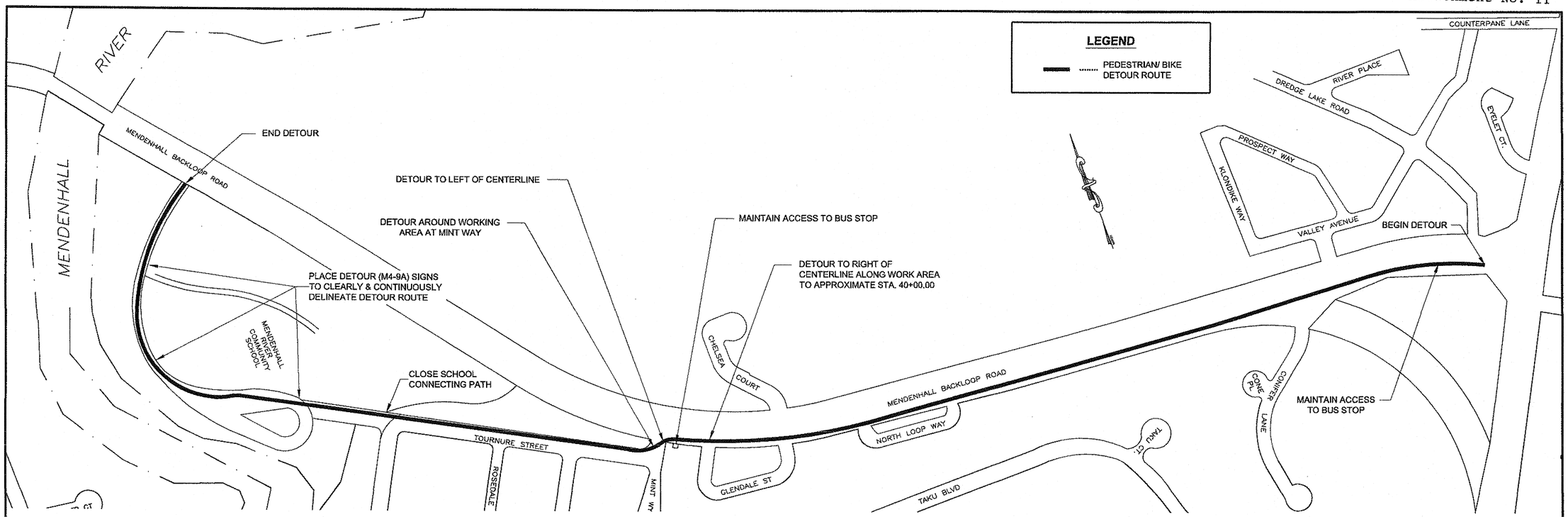
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

BACKLOOP SHARED USE PATH REHABILITATION
PROJECT #69917

TRAFFIC CONTROL PLAN

PATH: Q:\JNU\69917\PLANSET\69917_T1-T4_TCP.DWG
TAB: T2 Thursday, October 24, 2013 9:36:07 AM CHAMBERS, LUCAS M (DOT)

REVISIONS NO.	DATE	DESCRIPTION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			TEA-0966(27)~69917	2013	T2	38



PEDESTRIAN/ BIKE DETOUR ROUTE

PEDESTRIAN/ BIKE DETOUR ROUTE NOTES:

1. PROVIDE FOR CONTINUED ACCESS TO ALL BUS STOPS LOCATED ALONG THE PROJECT.
2. PROVIDE A SMOOTH, CONTINUOUS HARD SURFACE WITHOUT ABRUPT CHANGES IN ELEVATION AND A MAXIMUM RUNNING SLOPE OF 5%.
3. MAINTAIN A MINIMUM PEDESTRIAN FACILITY WIDTH OF 4 FEET OR MORE.
4. ALL ITEMS & MATERIAL ASSOCIATED WITH THE DETOUR ROUTE SHALL BE REMOVED IMMEDIATELY AFTER SHARED USE PATH IS REOPENED.
5. IT IS THE INTENT OF THIS TRAFFIC CONTROL PLAN (TCP) TO ILLUSTRATE SOME, NOT ALL, OF THE TRAFFIC CONTROL SETUPS WHICH WILL BE REQUIRED ON THIS PROJECT. PLANS FOR CONFIGURATIONS NOT COVERED BY THE TCP SHALL BE CREATED BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER FOR APPROVAL. WHERE APPROPRIATE, THEY SHALL INCORPORATE APPLICABLE DETAILS FROM THESE SHEETS.

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE R Johnston Date 8/20/14

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: D. ESPTEIN	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION
TCP NOT SEALED IN ACCORDANCE WITH ALASKA HIGHWAY PRECONSTRUCTION MANUAL SECTION 1400.3.5 DATED JANUARY 30, 2012	BACKLOOP SHARED USE PATH REHABILITATION PROJECT #69917 **TRAFFIC CONTROL PLAN**
DESIGNED BY: L. CHAMBERS	
DRAWN BY: L. CHAMBERS	

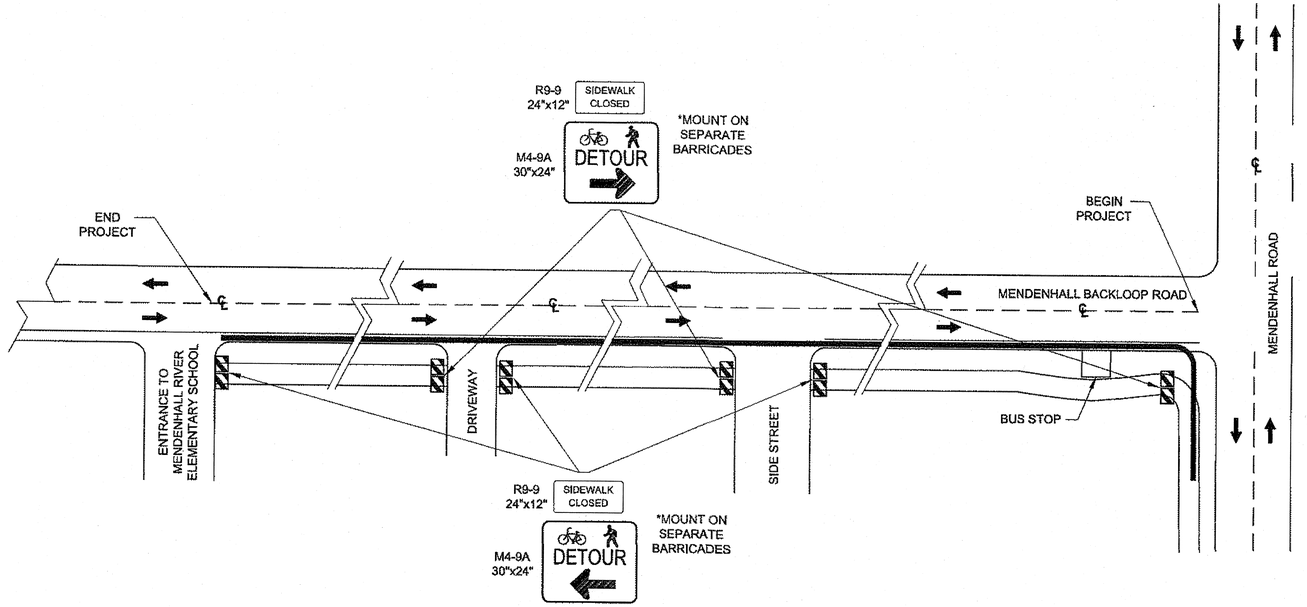
PATH: Q:\JNU\69917\PLANSET\69917_T1-T4_TCP.DWG
TAB: T3 Thursday, October 24, 2013 9:36:24 AM CHAMBERS, LUCAS M (DOT)

REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION				
			TEA-0966(27)~69917	2013	T3	38

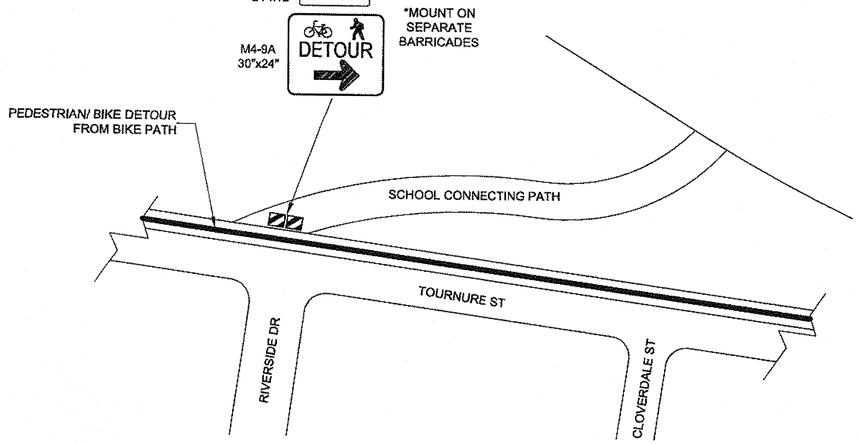
LEGEND

PEDESTRIAN/ BIKE DETOUR ROUTE

TYPE II BARRICADE



PEDESTRIAN/ BIKE DETOUR SIGNING



SCHOOL CONNECTING PATH PEDESTRIAN/ BIKE DETOUR

NTS

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE D. Esptein Date 8/20/14

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: D. ESPTEIN

TCP NOT SEALED IN ACCORDANCE WITH ALASKA HIGHWAY PRECONSTRUCTION MANUAL SECTION 1400.3.5 DATED JANUARY 30, 2012

DESIGNED BY: L. CHAMBERS

DRAWN BY: L. CHAMBERS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

BACKLOOP SHARED USE PATH REHABILITATION PROJECT #69917

TRAFFIC CONTROL PLAN

PATH: Q:\JNU\69917\PLANSET\69917_T1-T4_TCP.DWG
TAB: T4 Thursday, October 24, 2013 9:36:36 AM CHAMBERS, LUCAS M (DOT)

REVISIONS NO.	DATE	DESCRIPTION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			TEA-0966(27)~69917	2013	T4	38