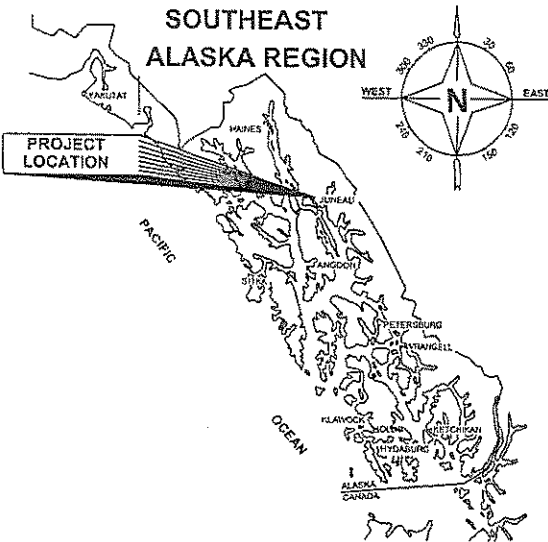


State of Alaska

Department of Transportation
and Public Facilities

SOUTHEAST REGION



JUNEAU, ALASKA GLACIER HIGHWAY & TRAILHEAD

STAGE II - AMALGA HARBOR ROAD TO KAYAK LAUNCH
STA. 347+50 TO STA. 605+30
STP-093-3(27) ~ 68832

DESIGN DESIGNATION

B.O.P. (AMALGA HARBOR) TO E.O.P. (KAYAK LAUNCH)

	2008	2028
AVERAGE DAILY TRAFFIC	588	850
DESIGN HOURLY VOLUME (10%)	60	130
DESIGN SPEED (MPH)	55	55
PEAK HOURLY FACTOR	0.9	0.9
DIRECTIONAL DISTRIBUTION (ENTERING/LEAVING)	55/45	55/45
PERCENT TRUCK TRAFFIC	4.2%	4.2%
EQUIVALENT AXLE LOAD	150,000	250,000
TURNING VEHICLE: WB50		
VEHICLE LOADING: HS25		

PROJECT SUMMARY

LENGTH OF TEMPORARY CONNECTIONS	=	100
LENGTH OF GRADING	=	25,400 ft. (4.8 mi.)
LENGTH OF PAVING	=	25,677 ft. (4.9 mi.)
WIDTH OF PAVING	=	30'
LENGTH OF PROJECT	=	25,677 ft. (4.9 mi.)

THE FOLLOWING STANDARD DRAWINGS APPLY TO THIS PROJECT:

A-1	D-07.00	G-13.00	M-16.01	S-20.10	T-20.02
C-04.12	E-00.00	G-20.10	M-20.12	S-30.03	T-21.02
C-05.10	E-13.00	G-25.20W	M-23.12	S-31.00	G-27.11
D-01.02	G-00.01	G-27.11	S-00.10	T-05.10	
D-04.21	G-04.06S	G-30.00	S-01.00	T-06.00	
D-06.10	G-10.01	I-81.00	S-05.01		

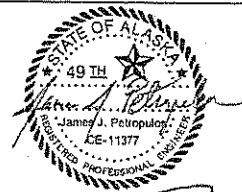
Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE *[Signature]* Date 4/11/2011

INDEX

SHEET NO.	DESCRIPTION
A1	TITLE SHEET
A2	SURVEY DATA
A3	ALIGNMENT DATA
B1-B5	TYPICAL SECTIONS
C1	ESTIMATE OF QUANTITIES
D1-D5	MISCELLANEOUS SUMMARIES
E1	CONSTRUCTION PHASING PLAN
F1-F32	PLAN AND PROFILE
G1-G8	INTERSECTION & TRAIL PLANS
H1-H11	FISH STREAM CULVERT DETAILS
J1-J9	MISCELLANEOUS DETAILS
L1	BRIDGE WORK DETAILS
M1	AVAILABLE MATERIAL SOURCE
S1-S2	TRAFFIC CONTROL
T1-T21	EROSION SEDIMENT CONTROL PLANS
AS-BUILTS	
Project Start DATE: August 29, 2009	
Project End DATE: December 14, 2010	
Contractor: Miller Construction	
Project Engineer: Allan J. Culbreath	

PATH: Q:\NUI68832\PLANS\TA1_TITLE STAGE 2.DWG TAB:A1
Tuesday, November 13, 2007 2:36:35 PM
PLOT: PSPACE OR MSPACE: 1=1(F)

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

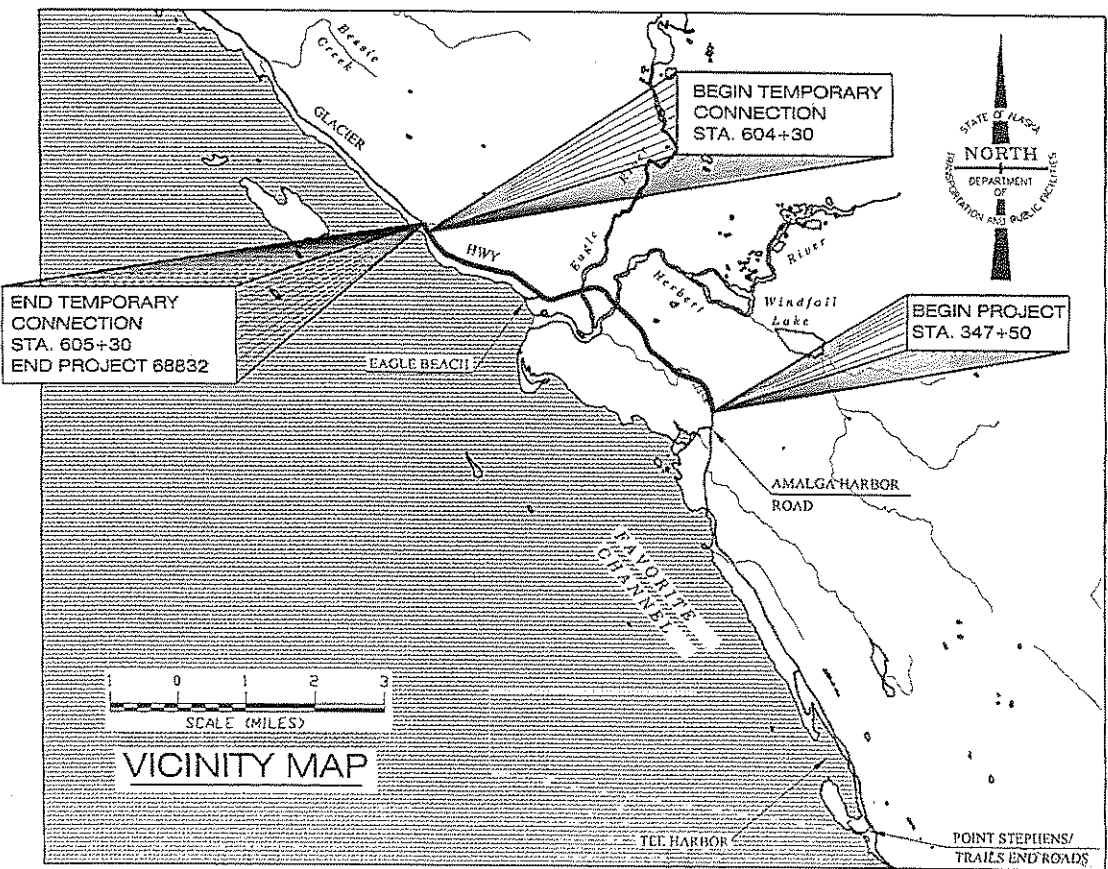


APPROVED: *[Signature]* 5/28/09
REGIONAL PRE-CONSTRUCTION ENGINEER DATE
VICTOR WINTERS, P.E.
APPROVED: *[Signature]* 5-28-09
DIRECTOR, SOUTHEAST REGION DATE
GARY L. DAVIS

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

[Signature] 6/13/2011
CONSTRUCTION PROJECT MANAGER DATE

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	STP-093-3(27) ~ 68832	2009	A1	100



DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PRIMARY CONTROL MONUMENTS						
Point #	NORTH	EAST	ELEV.	STATION	OFFSET	DESCRIPTION
29	551585.2532	461746.7739	29.32	355+22.95	22.90_RT	ALCAP2" _TB-29
30	552595.5697	461924.6292	31.46	365+48.01	20.70_RT	ALCAP2" _TB-30
31	553925.8286	461777.8979	31.88	378+85.22	23.24_RT	ALCAP2" _TB-31
32	554597.0008	461295.0692	32.67	387+10.34	18.45_RT	ALCAP2" _TB-32
33	555516.8874	459884.1271	32.90	403+90.25	26.59_LT	ALCAP2" _TB-33
34	556632.6721	459168.4317	39.48	417+17.47	13.37_LT	ALCAP2" _TB-34
35	557483.8886	458472.0446	44.05	428+17.26	13.70_LT	ALCAP2" _TB-35
36	558247.2144	458095.8009	53.99	436+70.16	9.97_LT	ALCAP2" _TB-36
37	559489.4840	457931.8776	32.89	449+22.66	16.57_RT	GPS_ALCAP2" _HR-2
38	560922.2100	457106.5347	32.45	465+74.78	26.92_RT	GPS_ALCAP2" _HR-1
39	561930.8539	456466.8314	34.97	477+69.11	14.62_RT	ALCAP2" _TB-39
40	562637.9650	455985.7768	34.50	486+22.63	16.41_RT	ALCAP2" _TB-40
41	562935.5373	455421.2226	38.04	492+59.61	17.58_RT	ALCAP2" _TB-41
42	562892.6803	454635.6933	38.59	500+45.19	21.85_LT	ALCAP2" _EB-1
43	562793.0355	452541.9656	29.67	521+38.43	29.54_LT	ALCAP2" _EB-2
44	563050.4535	451215.4032	36.90	534+40.84	142.22_LT	H&T_SET_TB-44
45	563472.5422	450990.0872	29.83	538+74.83	47.95_LT	ALCAP2" _TB-45
48	563847.6178	450876.3071	31.49	542+56.59	29.64_RT	ALCTRL2" _TB-48
46	563870.2462	450414.1843	25.43	546+28.43	285.30_LT	GPS_BC2" _95-J-21
49	564443.0560	450195.2344	37.84	551+44.7	57.39_LT	ALCTRL2" _TB-49
50	565597.5217	449824.4985	59.51	563+52.62	35.57_RT	ALCTRL2" _TB-50
51	565868.7697	449321.2317	73.41	569+17.54	16.63_RT	ALCTRL2" _TB-51
52	566083.4152	448578.6007	62.25	576+89.82	10.26_LT	ALCTRL2" _TB-52
47	566529.3149	447541.2644	21.15	588+16.19	61.68_LT	GPS_BC2" _EB-20
53	567176.7287	446499.7669	61.97	600+38.57	18.88_LT	GPS_ALCTRL2" _TB-53

UPDATED 06/28/05

SURVEY CONTROL DATA

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 through the following parameters:

Zone = NAD83 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 (726482.8570m)

AKSPC Easting = 2512570.06318 FT US (765832.8870m)

Local Northing = 500000.0000 FT US (152400.3048m)

Local Easting = 500000.0000 FT US (152400.3048m)

Project Control was established with Leica 530 GPS units and Leica 2003&1101 total stations. SKI PRO static GPS processing provided the vectors and Starnet least squares adjustment was used to tie conventional measurements together with GPS measurements. Pairs of GPS points were established along the project and conventional traverse adjusted between. All units are US Survey Feet.

VERTICAL CONTROL

The Vertical Datum for JNU Grid-2000 is MLLW Gastineau Channel tidal datum based on third order levels and supplemented with GEOID '99 Modeled Heights. Levels were run from the NOS benchmark 2210C located downtown, having a published elevation of 29.40 feet above MLLW to USC&GS first order horizontal control station EDDIE and on to Auke Bay. 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. EDDIE has an observed elevation of 26.52ft above MLLW. Ellipsoid elevation of EDDIE modified to 40.64ft to adjust GEOID'99 to our local Tidal Datum of MLLW. Geoid'99 Modeled Heights have proven better than 0.1' absolute accuracy compared with leveled values in the Juneau area.

In addition to geoid modeled heights and trig leveling, simultaneous tide observations were made at 4 stations and compared to the NOAA tide gauge 9452210. These tidal observations helped confirm the GPS elevations.

Project Specific Basis of Horizontal Control

EDDIE : USC&GS 3.5" Brass cap located at Juneau Airport on a dike near the east end of the main runway.

NAD83(1992) Lat 58°21'22.54504"N Lon 134°34'09.26728"W

JNU-Grid N 500000.0000' E 500000.0000'

AKSPC N 2383469.17310' E 2512570.06318'

95-J-21 : DOT 2" Brass cap located atop a 2'x6' boulder at the Eagle Beach recreation area near the shelter.

NAD83(1992) Lat 58°31'50.80984"N Lon 134°49'43.23656"W

JNU-Grid N 563870.2462' E 450414.1843'

AKSPC N 2447984.8583' E 2463836.5243'

The Project Specific Basis of Vertical Control is 95-J-21 having an accepted elevation of 25.43 feet above MLLW.

NOTE:

Whether listed or not, all monuments or property markers or accessories which 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.

Coordinate values for all points were established between 11/30/00 and 6/15/02 during control network survey. 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.

PATH:Q:\JNU\68832\PLANSET\A2_SURVEY
DATA.DWG

STEVENS, DAVID A (DOT)
TAB: A2 Tue, 05 May 2009 - 9:23am

ADDENDUM NUMBER

ATTACHMENT NUMBER

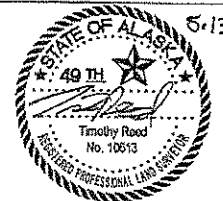
RECORD OF REVISIONS

No.	DATE	DESCRIPTION

JUN GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

Survey Data

CHECKED BY: C. Tripp



DESIGNED BY: J. Petropoulos

DRAWN BY: B.W.B./

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD
TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

Survey Data

PROJECT DESIGNATION

STP-093-3(27) ~ 68832

STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS

A2

100

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

GLACIER HIGHWAY & TRAILHEAD - STAGE TWO										
POINT DATA				TANGENT DATA		CURVE DATA				
DESC.	STATION	NORTHING	EASTING	DISTANCE	BEARING	NORTHING CENTER	EASTING CENTER	LENGTH	RADIUS	DELTA
PT/BOP	347+50.00	550879.55	461429.36	81.32	N 28° 36' 41.7" E					
PC	348+31.32	550950.94	461468.30			552339.66	458922.43	639.66	-2900	12° 38' 16"
PT	354+70.98	551541.59	461710.46	446.29	N 15° 58' 25.6" E					
PC	359+17.27	551970.64	461833.28			552493.52	460006.64	627.73	-1900	18° 55' 46.2"
PT	365+45.00	552591.49	461904.11	829.52	N 2° 57' 20.5" W					
PC	373+74.52	553419.91	461861.34			553335.86	460233.51	1546.01	-1630	54° 20' 36"
PT	389+20.52	554707.51	461114.12	1066.71	N 57° 17' 56.6" W					
PC	399+87.24	555283.80	460216.48			556882.66	461242.96	997.44	1900	30° 4' 42.4"
PT	409+84.68	556013.56	459553.38	313.15	N 27° 13' 14.1" W					
PC	412+97.83	556292.03	459410.14			555422.94	457720.56	399.57	-1900	12° 2' 57.3"
PT	416+97.40	556625.59	459191.49	1122.31	N 39° 16' 11.4" W					
PC	428+19.71	557494.45	458481.10			558697.10	459952.03	1145.80	1900	34° 33' 8.1"
PT	439+65.50	558540.84	458058.47	461.76	N 4° 43' 3.4" W					
PC	444+27.26	559001.03	458020.49			558844.61	456124.93	898.82	-1902	27° 4' 34.0"
PT	453+26.09	559846.70	457741.54	3001.51	N 31° 47' 37.2" W					
PC	483+27.60	562397.83	456160.16			561790.89	455181.02	1233.79	-1152	61° 21' 49.2"
PT	495+61.39	562941.14	455117.57	2215.76	S 86° 50' 33.5" W					
PC	517+77.15	562819.10	452905.17			565614.85	452750.95	629.59	2800	12° 52' 59.1"
PT	524+06.74	562855.09	452277.94	487.98	N 80° 16' 27.3" W					
PC	528+94.71	562937.53	451796.97			563987.22	451976.89	1000.41	1065	53° 49' 14.9"
PT	538+95.12	563512.79	451023.40	202.47	N 26° 27' 12.4" W					
PC	540+97.59	563694.07	450933.20			563219.64	449979.71	466.67	-1065	25° 6' 22.0"
PT	545+64.26	564053.81	450641.82	164.22	N 51° 33' 34.5" W					
PC	547+28.48	564155.90	450513.20			564990.07	451175.31	782.60	1065	42° 6' 11.2"
PT	555+11.08	564815.09	450124.78	183.95	N 9° 27' 23.3" W					
PC	556+95.03	564996.54	450094.56			564821.56	449044.03	1162.81	-1065	62° 33' 28.7"
PT	568+57.84	565834.52	449372.88	731.92	N 72° 0' 51.9" W					
PC	575+89.76	566060.52	448676.72			568818.81	449572.18	455.16	2900	8° 59' 33.4"
PT	580+44.92	566234.39	448256.59	1579.31	N 63° 1' 18.5" W					
PC	596+24.23	566950.85	446849.14			568198.50	447484.25	652.77	1400	26° 42' 54.3"
PT	602+77.01	567369.55	446356.05	252.99	N 36° 18' 24.2" W					
EOP	605+30.00	567573.43	446206.24							

NOTES:
1. UNDER THE RADIUS COLUMNS ON THE ALIGNMENT TABLES, NEGATIVE VALUES INDICATE A LEFT-HAND CURVE AND POSITIVE VALUES INDICATE A RIGHT-HAND CURVE.

HERBERT RIVER ROAD										
POINT DATA				TANGENT DATA		CURVE DATA				
DESC.	STATION	NORTHING	EASTING	DISTANCE	BEARING	NORTHING CENTER	EASTING CENTER	LENGTH	RADIUS	DELTA
PT	0+00.00	560821.22	457137.46	8.48	S58° 12'23"W					
PC	0+08.48	560816.75	457130.25			560753.01	457169.76	64.74	75	49° 27'21"
PT	0+73.22	560764.42	457095.64	36.63	S08°45'02"					

WINDFALL ROAD										
POINT DATA				TANGENT DATA		CURVE DATA				
DESC.	STATION	NORTHING	EASTING	DISTANCE	BEARING	NORTHING CENTER	EASTING CENTER	LENGTH	RADIUS	DELTA
PT	1+00.00	560900.68	457088.21	7.76	N58°12'23"W					
PC	1+07.76	560904.77	457094.80			560947.27	457068.46	43.82	50	50°13'02"
PT	1+51.58	560940.32	457117.97	158.49	N07°59'21"E					

KAYAK LAUNCH RAMP										
POINT DATA				TANGENT DATA		CURVE DATA				
DESC.	STATION	NORTHING	EASTING	DISTANCE	BEARING	NORTHING CENTER	EASTING CENTER	LENGTH	RADIUS	DELTA
PT	9+37.93	566896.66	446955.60	35.00	S 26° 58' 41" W					
PC	9+72.93	566865.47	446939.72			566883.83	446904.18	60.22	40	86°15'12"
PT	10+33.15	566847.17	446888.19	62.44	N65°54'42"W					

PATH:Q:\JUN06832\PLANSET\A3_ALIGNMENT DATA.DWG

STEVENS, DAVID A (DOT)

TAB: A3Mon, 11 May 2009 - 10:06am

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

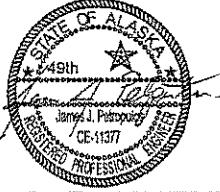
JUN GLACIER HIGHWAY & TRAILHEAD

STAGE II-AMALGA HARBOR ROAD TO KAYAK LAUNCH

STP-093-3(27) ~ 68832

Alignment Data Sheet

CHECKED BY: C. Tripp



DESIGNED BY: J. Petropoulos

DRAWN BY: B.W.B./

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD
TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

Survey Data Sheet

PROJECT DESIGNATION

STP-093-3(27) ~ 68832

STATE	YEAR
ALASKA	2009

SHEET NUMBER	TOTAL SHEETS
A3	100

TYPICAL SECTION NOTES:

1. IT IS THE INTENT OF THIS PROJECT TO INCORPORATE THE EXISTING ROAD INTO THE STRUCTURAL SECTION OF THE NEW ROAD WHERE POSSIBLE. CONSTRUCT 18" OF SELECT MATERIAL, TYPE A OUTSIDE THE LIMITS OF EXISTING PAVEMENT AND IN AREAS WHERE EXISTING PAVEMENT IS NOT PRESENT DUE TO GRADE RAISE AND/OR REALIGNMENT.
2. THE AVERAGE THICKNESS OF EXISTING PAVEMENT: 2"
3. ALL SOIL CONSTRUCTION SLOPES THAT ARE 2:1(H:V) OR FLATTER SHALL BE SEEDED AND MULCHED. MATTING MAY BE REQUIRED FOR SOIL SLOPES STEEPER THAN 2:1, AS DIRECTED BY THE ENGINEER. ALL SOIL SLOPES 2:1(H:V) OR STEEPER WILL BE EVALUATED BY THE ENGINEER FOR SLOPE STABILIZATION MEASURES.

4. THE CONTRACTOR SHALL USE WASTE MATERIAL AS SUBGRADE MATERIAL IN WASTE FILL SECTIONS AS SHOWN ON THE TYPICAL SECTIONS, OR SHALL HAUL WASTE MATERIAL TO THE WASTE AREA WHICH IS APPROVED BY THE ENGINEER. THIS WORK IS CONSIDERED SUBSIDIARY TO OTHER ITEMS OF WORK AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE.
5. SUPERELEVATIONS ROTATE ABOUT THE CENTERLINE. THE RATES OF SUPERELEVATION AND THE SUPERELEVATION TRANSITION REGIONS ARE GIVEN ON THE PLAN AND PROFILE SHEETS. REFER TO CASE 1 OF STANDARD DRAWING 1-81.00 FOR TRANSITION DETAILS.
6. REFER TO FORESLOPE/DITCH MODIFICATION TABLE (THIS SHEET), CULVERT PIPE SUMMARY (D-2) AND ALTERNATE DITCH DETAIL (J-2).

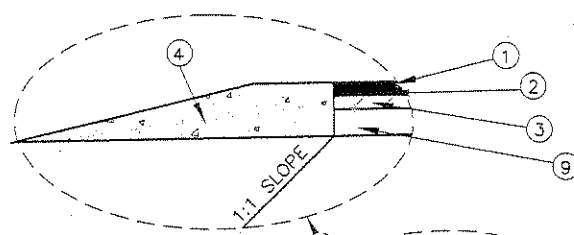
7. INVASIVE PLANT LOCATIONS, DELINEATED IN 2002, ARE SHOWN ON THE PLAN SHEETS. SPECIAL HANDLING AND DISPOSAL REQUIREMENTS ARE SET FORTH IN SECTION 203 OF THE SPECIFICATIONS. THOSE PLANTS SHOWN OUTSIDE OF THE CONSTRUCTION LIMITS ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY.
8. FOR THE AREAS LISTED IN THE RECLAIM STATIONS TABLE, PULVERIZE EXISTING PAVEMENT INTO 4" CRUSHED ASPHALT BASE COURSE PER SECTION 308. SOME AREAS WILL REQUIRE ADDITIONAL SUBBASE, GRADE C TO MAKE GRADE WHICH MAY GO ON TOP OF CRUSHED ASPHALT BASE COURSE. EXCAVATION LIMITS IN RECLAIM STATIONS IS TO THE BOTTOM OF CRUSHED ASPHALT BASE COURSE. FOR NON-RECLAIM STATIONS, THE EXISTING PAVEMENT SHALL BE REMOVED, CRUSHED AND INCORPORATED UNDER SECTION 304 OR 308 AT THE CONTRACTORS OPTION.
9. MAINTAIN POSITIVE DRAINAGE AWAY FROM ROAD.

RECLAIM STATIONS	
FROM STATION	TO STATION
347+50	471+37
472+77	497+11
499+20	524+50
550+00	557+00
569+00	605+27

AT THE FOLLOWING RECLAIM STATIONS, FINISH GRADE SHALL BE EXISTING GROUND + 0.29
365+45 TO 417+00
453+25 TO 470+00
474+00 TO 479+00
483+00 TO 496+00
501+00 TO 517+77
USE 100' TRANSITIONS TO F.G. PROFILE EXCEPT AT 517+77 WHERE 150' TRANSITION SHALL BE USED.

FORESLOPE / DITCH MODIFICATION TABLE				
From Station	To Station	Offset	Ditch Width	Remarks
347+50	356+00	LT		MATCH EXISTING DITCH FLOWLINE
521+50	523+50	LT		MATCH EXISTING DITCH FLOWLINE
531+00	533+50	LT	17'	
531+00	531+50	RT	16'	
532+00	533+00	RT	17'	4:1 FORESLOPE
533+50	535+50	RT	25'	4:1 FORESLOPE
534+00	535+50	LT	22'	4:1 FORESLOPE
536+00	536+50	LT	24'	
536+00	536+50	RT	20'	
537+00	537+50	LT	16'	
537+00	537+50	RT	16'	
545+00	546+50	RT	16'	
547+00	550+00	RT	19'	
550+50	551+00	RT	16'	
554+00	555+50	RT	7'	EAGLE TREE - LEAVE EXISTING SLOPE UNDISTURBED
596+00	597+00	RT	10'	EAGLE TREE - LEAVE EXISTING SLOPE UNDISTURBED
593+50	603+31	LT	6'	10:1 FORESLOPE - GUARDRAIL

CLEARING EXCEPTION TABLE			
From Station	To Station	Offset	Remarks
347+50	432+50	LT	NO CLEARING BEYOND SLOPE LIMITS
347+50	432+50	RT	NO CLEARING BEYOND SLOPE LIMITS
448+00	470+00	LT	NO CLEARING BEYOND SLOPE LIMITS
448+00	470+00	RT	NO CLEARING BEYOND SLOPE LIMITS
473+00	497+00	LT	NO CLEARING BEYOND SLOPE LIMITS
473+00	497+00	RT	NO CLEARING BEYOND SLOPE LIMITS
500+00	510+00	RT	NO CLEARING BEYOND SLOPE LIMITS
513+00	531+00	LT	NO CLEARING BEYOND SLOPE LIMITS
531+00	540+00	LT	CLEAR TO ROW OR HTL WHICHEVER IS LESS
542+00	561+50	LT	NO CLEARING BEYOND SLOPE LIMITS
587+00	602+50	LT	NO CLEARING BEYOND SLOPE LIMITS
555+00	556+00	RT	EAGLE TREE - LEAVE EXISTING SLOPE UNDISTURBED
596+00	597+00	RT	EAGLE TREE - LEAVE EXISTING SLOPE UNDISTURBED



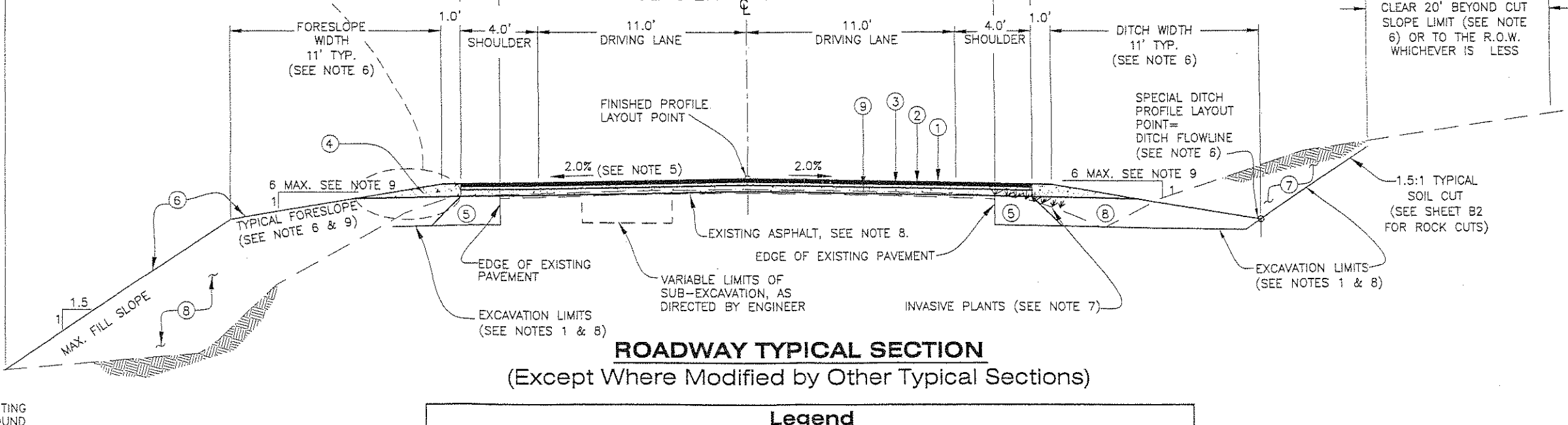
CLEAR 10' BEYOND FILL SLOPE LIMIT (SEE NOTE 6) OR TO THE R.O.W. WHICHEVER IS LESS

PAY LIMITS FOR CLEARING & GRUBBING

GLACIER HIGHWAY

PAY LIMITS FOR CLEARING & GRUBBING

CLEAR 20' BEYOND CUT SLOPE LIMIT (SEE NOTE 6) OR TO THE R.O.W. WHICHEVER IS LESS



ROADWAY TYPICAL SECTION
(Except Where Modified by Other Typical Sections)

Legend

- ① 2" ASPHALT CONCRETE, TYPE II, CLASS B
② STE-1 ASPHALT FOR TACK COAT
③ 1 1/2" ASPHALT TREATED BASE COURSE
④ SUBBASE, GRADING C
⑤ 18" SELECTED MATERIAL, TYPE A, (SEE NOTE 1)
⑥ SEEDING (SEE NOTE 3)
⑦ UNCLASSIFIED EXCAVATION
⑧ USEABLE EXCAVATION*
⑨ 4" CRUSHED ASPHALT BASE COURSE (SEE NOTE 8)
X REFERENCE POINT FOR PARTIAL CROSS SECTIONS.

* USABLE EXCAVATION MUST MEET GRADING REQUIREMENTS OF SELECTED MATERIAL, TYPE B.

CMTRIPP
TAB: B1 Wed, 17 Jun 2009 - 9:15am

ADDENDUM NUMBER

ATTACHMENT NUMBER

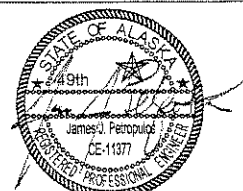
RECORD OF REVISIONS

No.	DATE	DESCRIPTION

JUN GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

Typical Sections

CHECKED BY: C. Tripp



DESIGNED BY: J. Petropoulos

DRAWN BY: B.W.B.J.

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION
GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD
TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

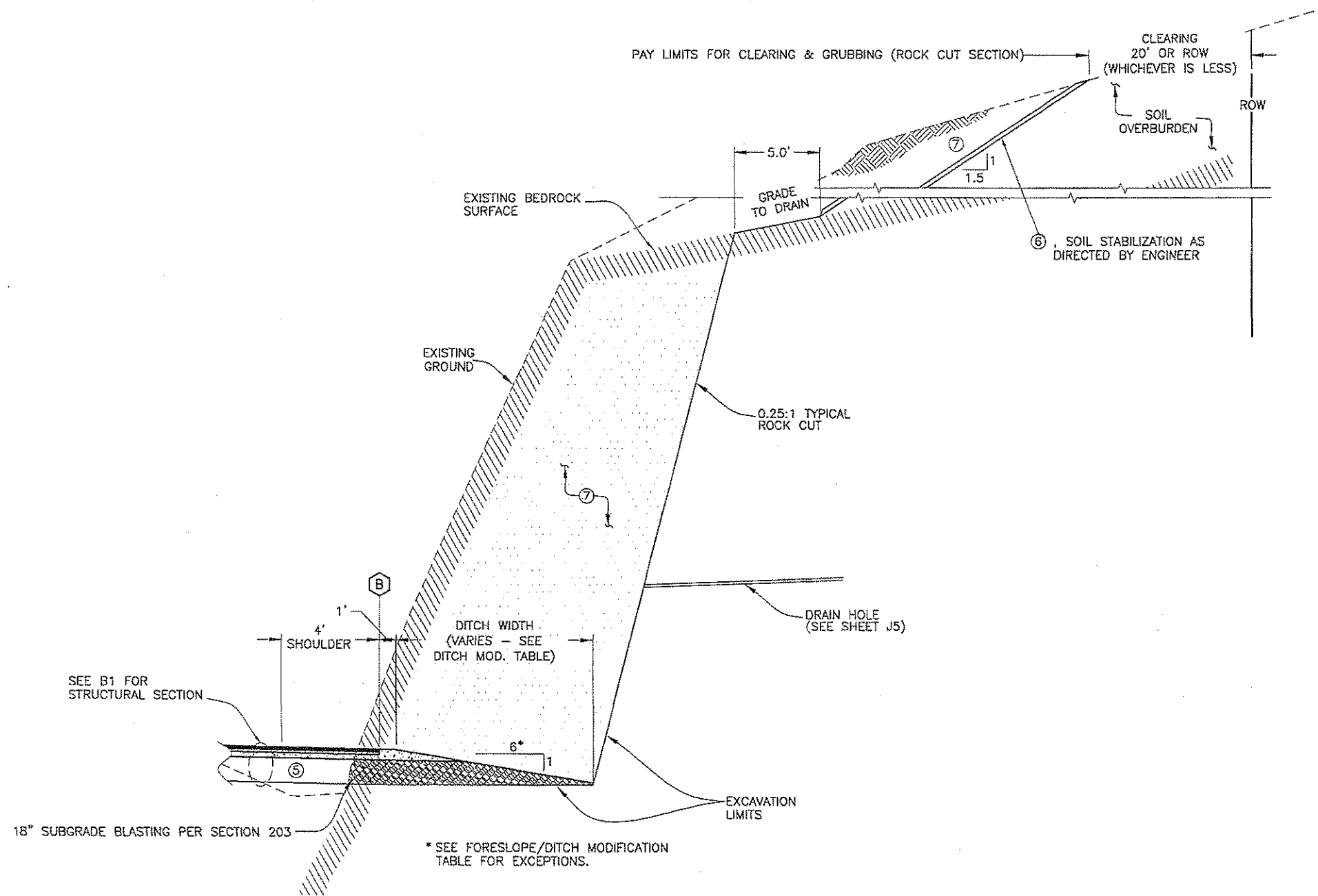
Typical Sections

PROJECT DESIGNATION

STP-093-3(27) ~ 68832

STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
B1	100

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



ROCK CUT
TYPICAL SECTION

Legend

- ① 2" ASPHALT CONCRETE, TYPE II, CLASS B
- ② STE-1 ASPHALT FOR TACK COAT
- ③ 1 1/2" ASPHALT TREATED BASE COURSE
- ④ 4" SUBBASE, GRADING C
- ⑤ 18" SELECTED MATERIAL, TYPE A
- ⑥ SEEDING (SEE NOTE 3, SHEET B1)
- ⑦ UNCLASSIFIED EXCAVATION
- ⑧ USEABLE EXCAVATION
- ⑨ 4" CRUSHED ASPHALT BASE COURSE
- ⓧ REFERENCE POINT FOR PARTIAL CROSS SECTIONS.

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STEVENS, DAVID A (DOT)
TAB: B2 Tue, 05 May 2009 - 9:27am

ADDENDUM NUMBER

ATTACHMENT NUMBER

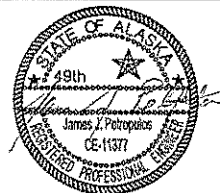
RECORD OF REVISIONS

No.	DATE	DESCRIPTION

JUN GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

Typical Sections

CHECKED BY: C. Tripp



DESIGNED BY: J. Petropoulos

DRAWN BY: B.W.B./

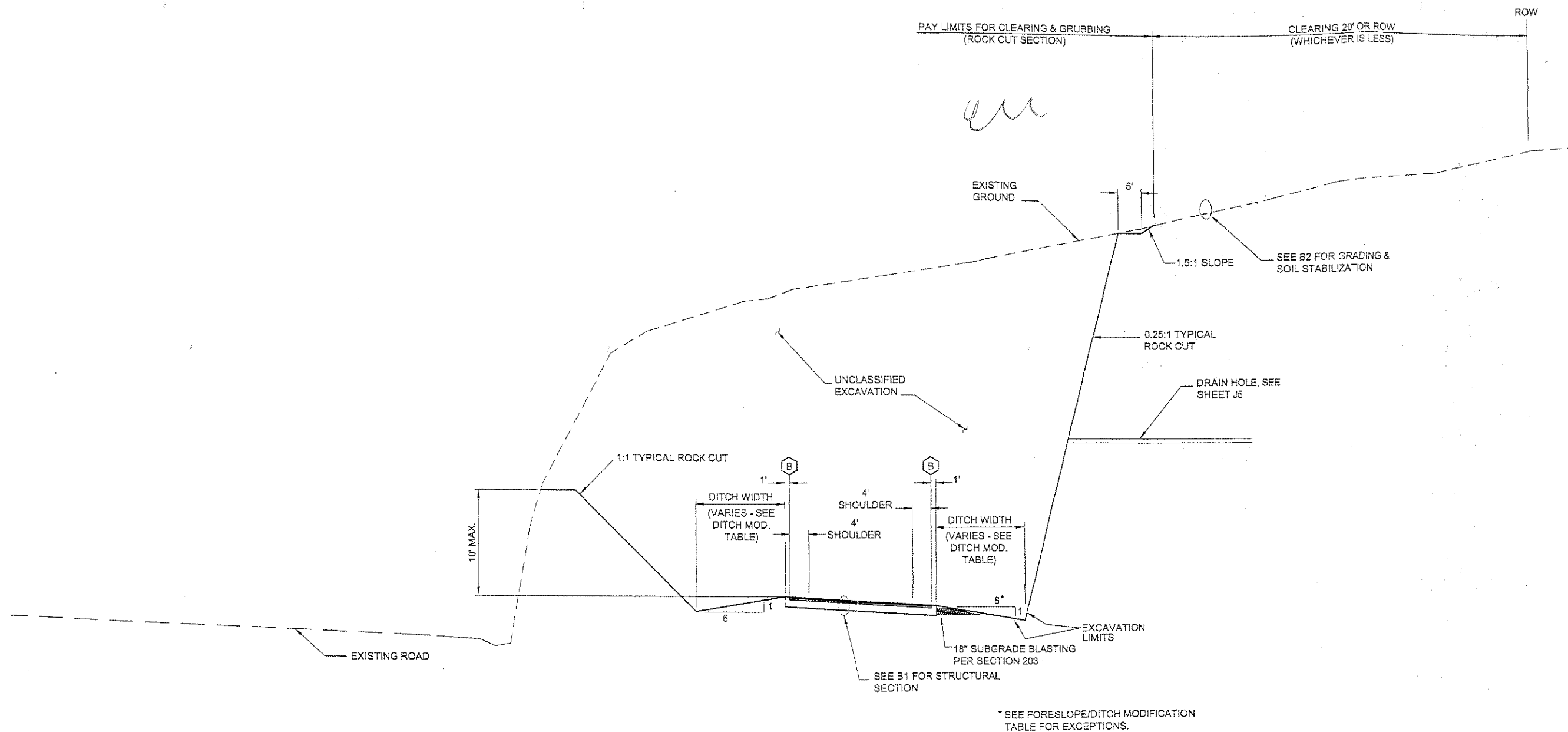
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD
TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

Typical Sections

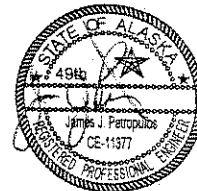
PROJECT DESIGNATION	
STP-093-3(27) ~ 68832	
STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
B2	100

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



THROUGH ROCK CUT
TYPICAL SECTION
STA. 532+00 TO 536+50

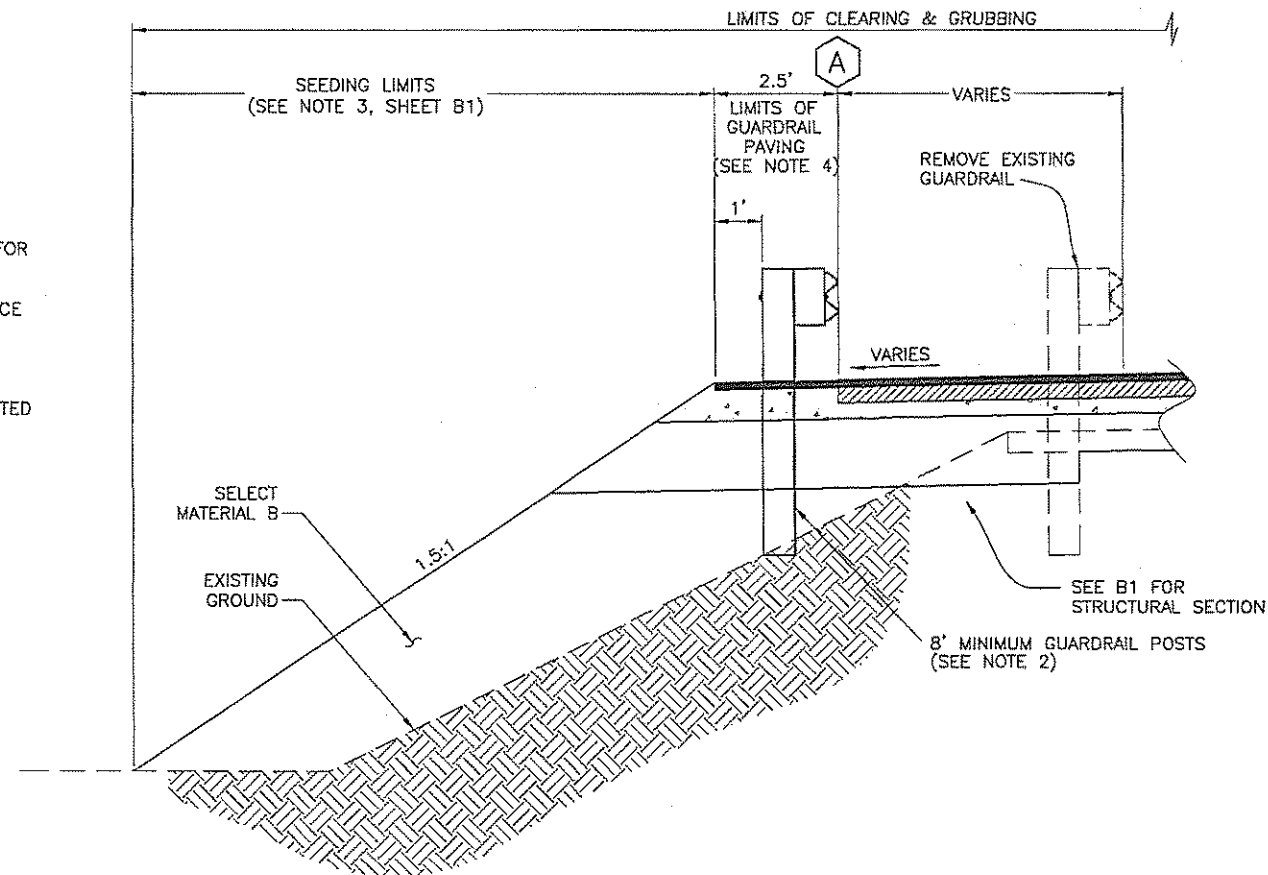
ATTACHMENT No. 2
TO
ADDENDUM NO. 2

CMTRIPP TAB B3			Mon, 08 Jun 2009 - 1:44pm		
ADDENDUM NUMBER			2		
ATTACHMENT NUMBER			2		
RECORD OF REVISIONS					
No.	DATE	DESCRIPTION			
JUN GLACIER HIGHWAY & TRAILHEAD STAGE II-AMALGA HARBOR ROAD TO KAYAK LAUNCH STP-093-3(27) ~ 68832					
Typical Sections					
CHECKED BY: C. Tripp					
					
DESIGNED BY: J. Petropoulos					
DRAWN BY: B.W.B.J.					
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION					
GLACIER HIGHWAY & TRAILHEAD STAGE II-AMALGA HARBOR ROAD TO KAYAK LAUNCH STP-093-3(27) ~ 68832					
Typical Sections					
PROJECT DESIGNATION					
STP-093-3(27) ~ 68832					
STATE		YEAR			
ALASKA		2009			
SHEET NUMBER		TOTAL SHEETS			
B3		100			

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

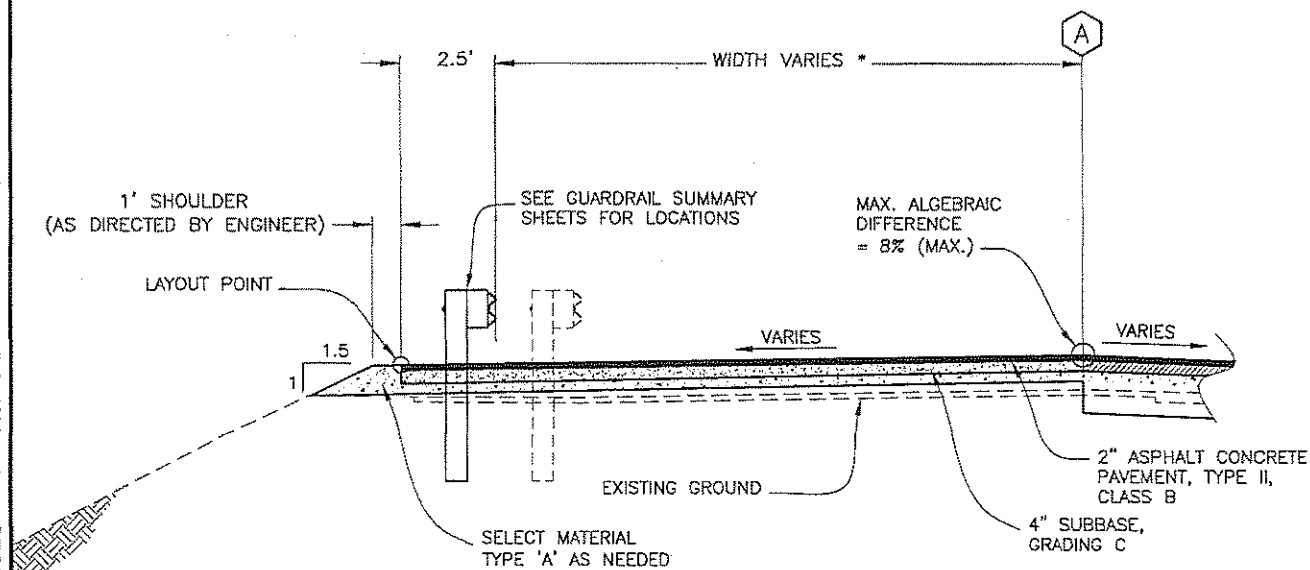
NOTES:

1. REFER TO G-10.01 CASE 2 STANDARD DRAWINGS FOR GUARDRAIL DETAILS.
2. GUARDRAIL POSTS SHALL BE PLACED IN ACCORDANCE WITH THE SPECIFICATIONS.
3. SEED ALL DISTURBED SOIL SLOPES.
4. NEW GUARDRAIL INSTALLATION SHALL BE CONSTRUCTED AFTER ROADWAY PAVING IS COMPLETED. GUARDRAIL PAVING SHALL BE DONE FOLLOWING GUARDRAIL INSTALLATION.
4. THE TIMELINE FOR GUARDRAIL REMOVAL & INSTALLATION SHALL FOLLOW THE CONSTRUCTION PHASING PLAN (SHEET E-1).



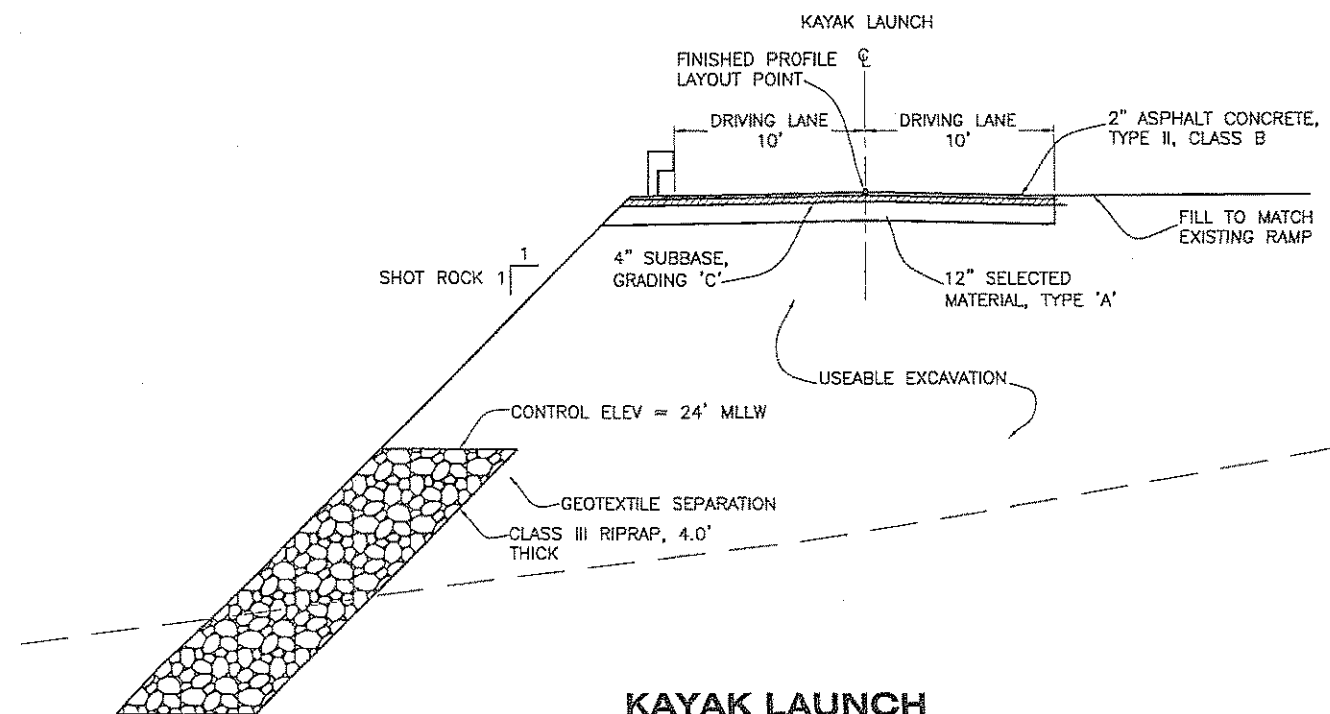
GUARDRAIL TYPICAL

(SEE GUARDRAIL SUMMARY FOR GUARDRAIL LOCATIONS)



ROADSIDE TURN-OUT

TYPICAL SECTION
(SEE G SHEETS FOR LAYOUT DETAILS)



KAYAK LAUNCH

TYPICAL SECTION

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STEVENS, DAVID A (DOT)
TAB: B4 Tue, 05 May 2009 - 9:27am

ADDENDUM NUMBER

ATTACHMENT NUMBER

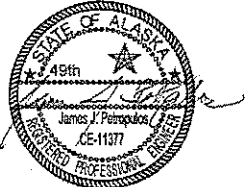
RECORD OF REVISIONS

No.	DATE	DESCRIPTION

JUN GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

Misc. Typical Sections

CHECKED BY: C. Tripp



DESIGNED BY: J. Petropoulos

DRAWN BY: B.W.B./

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD
TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

Misc. Typical
Sections

PROJECT DESIGNATION

STP-093-3(27) ~ 68832

STATE YEAR

ALASKA 2009

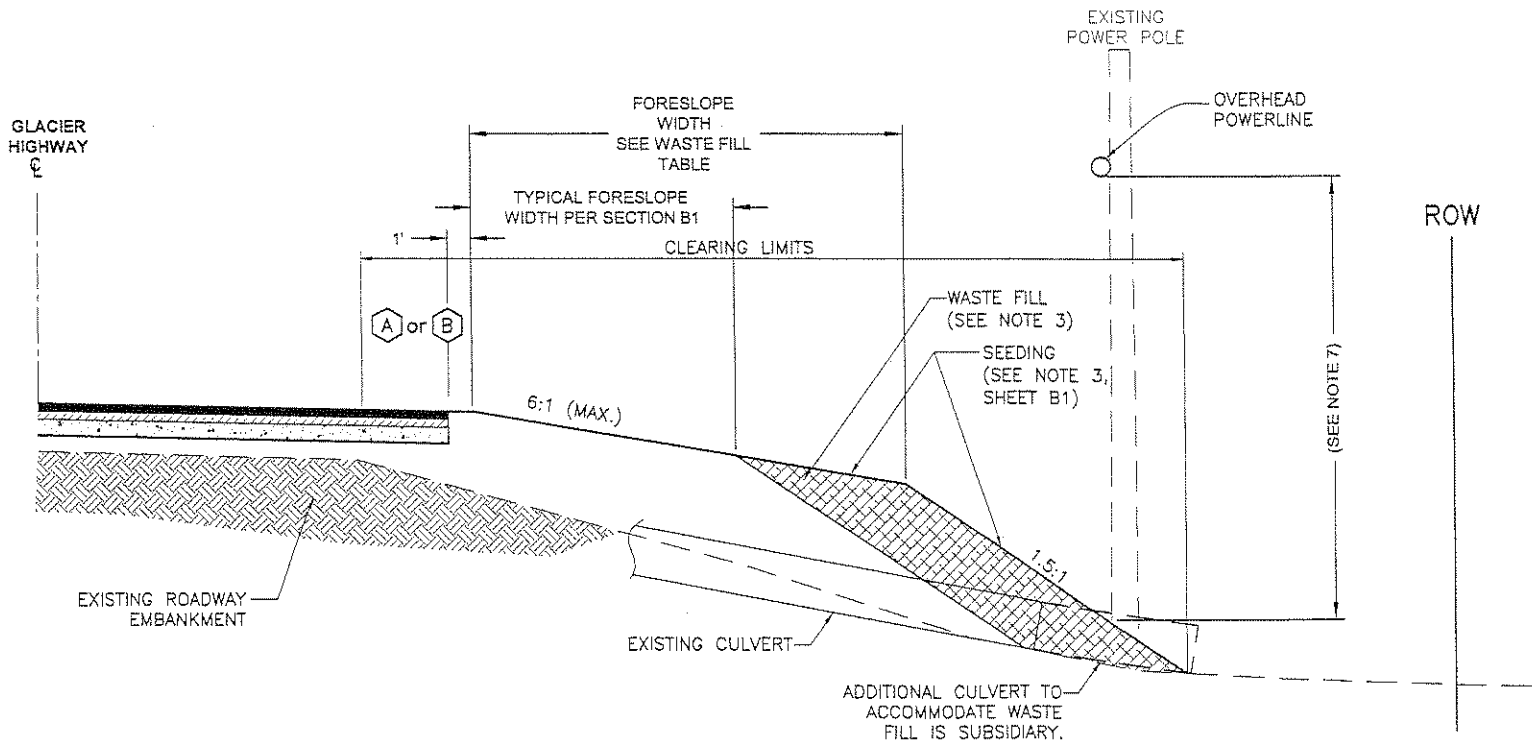
SHEET NUMBER TOTAL SHEETS

B4 100

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

LOCATIONS AND APPROXIMATE VOLUMES ARE GIVEN IN THE TABLE BELOW:

WASTE FILL TABLE -- IN ORDER OF PRIORITY					
FROM STATION	TO STATION	LT/RT	FORESLOPE WIDTH	REMARKS	APPROXIMATE VOLUME (CYDS)
550+50	551+50	LT	100'	BEACH ACCESS, FILL BEHIND GUARDRAIL TO HIGH TIDE LINE	1,000
600+00	600+50	LT	50'	KAYAK LAUNCH, FILL BEHIND GUARDRAIL TO HIGH TIDE LINE	1,000
N/A	N/A	LT		DNR QUARRY, SEE SHEET J9	50,000
416+00	448+00	LT	18'	FILL TO GRADE IF GRADE ENCOUNTERED @ < 18' FORESLOPE WIDTH	2,000
537+00	537+50	LT	NO BREAK	6:1 FILL TO GRADE	200
538+00	538+50	LT	33'	TRANSITION TO TYPICAL AT 539+00	300
538+00	541+50	RT	NO BREAK	6:1 FILL TO GRADE	1,000
562+50	563+50	LT	21'		500
571+50	573+50	LT	21'		700
574+00	580+00	LT	31'	10:1 FILL SLOPE OR TO GRADE IF ENCOUNTERED @ < 31' FORESLOPE	2,500
580+00	582+50	LT		2% SLOPE, SEE SHEET G7	500
583+00	587+50	LT	21'		1,500



WASTE FILL
TYPICAL SECTION

ATTACHMENT No. 2
TO
ADDENDUM NO. 2

NOTES:

1. THESE DESIGNATED WASTE SITES ARE LISTED IN PRIORITY ORDER.
2. EROSION AND SEDIMENT CONTROL MEASURES MUST BE IMPLEMENTED AT WASTE SITES
3. THESE WASTE MATERIALS MAY ALSO BE PLACED OVER SHOT ROCK FILLS WHEN APPROVED BY THE ENGINEER.
- ★ 4. WOODY DEBRIS NOT USED ON THE PROJECT SHALL BE BURNED IN APPROVED SITES WITHIN THE RIGHT-OF-WAY OR HAULED OFF-SITE AT THE CONTRACTORS EXPENSE. CONTRACTORS SHALL ABIDE BY ALL STATE, CBJ, AND FOREST SERVICE FIRE REGULATIONS.
5. THE CONTRACTOR SHALL NOT FILL ON WETLANDS OUTSIDE OF THE PROPOSED SLOPE LIMITS.
6. LEAVE AN UNDISTURBED BUFFER OF 50 FEET FROM THE TOP BANK OF ANY STREAM CHANNELS TO THE TOE OF THE WASTE SLOPE. DO NOT EXCEED 2:1 ON THE SLOPES THAT ABUT THE STREAM BUFFER.
7. MAINTAIN EXISTING POWERLINE CLEARANCE WHERE ENCOUNTERED, OR SET GROUND CLEARANCE TO NOT LESS THAN 20'-0".

* Fire Permit FOP 2009 - 00043 Issued 8/19/2009

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 4/14/2011

JUN GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

Misc. Typical Sections

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CMTRIPP
TAB: B5 Mon, 08 Jun 2009 - 1:44pm

ADDENDUM NUMBER

2

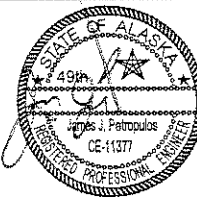
ATTACHMENT NUMBER

3

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

CHECKED BY: C. Tipp



DESIGNED BY: J. Petropoulos

DRAWN BY: B.W.B./

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD
TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

Misc. Typical
Sections

PROJECT DESIGNATION

STP-093-3(27) ~ 68832

STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
B5	100

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

ESTIMATE OF QUANTITIES			
Item No.	Item	Pay Unit	QTY.
201 (1A)	Clearing	Acre	15.42 44
201 (3A)	Clearing And Grubbing	Acre	32.76 25
201 (6)	Selective Tree Removal	Each	28 10
202 (1)	Removal of Structures and Obstructions	Lump Sum	All Req'd.
202(10)	Single Mail Box Installation	Each	13 42
203 (3)	Unclassified Excavation	Cubic Yard	136,000
203(10)	Controlled Blasting	Linear Foot	-37,000 19,398 L.F.
203(12)	Drain Holes	Linear Foot	0 -1800
203(19)	Control of Invasive Plants	Lump Sum	All Req'd.
203(20)	Overburden Exploration	Contingent Sum	All Req'd.
203(21)	Stabilization, Rock Bolts	Contingent Sum	All Req'd.
303 (3)	Ditch Reconditioning	Linear Foot	-23,950 26,322 L.F.
304 (1)	Subbase, Grading C	Ton	14,500 18,991.40
306 (1)	ATB	Ton	-8800 7,684.10
308 (1)	Crushed Asphalt Base Course	Square Yard	-58,000 66,236.90
308 (2)	CSS-1 Asphalt for Base Course	Ton	-660 579.45
308 (3)	Portland Cement	Ton	-200 171.72
401 (1)	Asphalt Concrete, Type II, Class B	Ton	-12,000 12,037.37
401 (2)	Asphalt Cement, Grade PG 58-28	Ton	-720 1,103.0
401 (6)	Asphalt Price Adjustment	Contingent Sum	All Req'd.
401 (10)	Asphalt Material Price Adjustment	Contingent Sum	All Req'd.
402 (1)	STE-1 Asphalt For Tack Coat	Ton	14.3 -36 0.96
602(2)	142 x 91 Inch Structural Plate Corrugated Steel Pipe Arch	Linear Foot	217 -216
603 (9-2)	60 Inch Corrugated Aluminum Pipe	Linear Foot	444.8 494
603 (9-4)	84 Inch Corrugated Aluminum Pipe	Linear Foot	71
603(10-1)	112 x 75 Inch Corrugated Aluminum Pipe Arch	Linear Foot	80.7 -82
603(21-1)	18 inch Corrugated Polyethylene Pipe	Linear Foot	-242 595.4
603(21-2)	24 Inch Corrugated Polyethylene Pipe	Linear Foot	-2843 2,706.9
603(21-4)	36 Inch Corrugated Polyethylene Pipe	Linear Foot	-908 551.2
603(22)	Streambed Material	Ton	-589 869.47
606 (1)	W-Beam Guardrail	Linear Foot	4704
606 (5)	Removing and Reconstructing Guardrail	Linear Foot	0 419
606 (6)	Removing and Disposing of Guardrail	Linear Foot	-2879 2,988.0
606 (9)	Controlled Release Terminal (CRT)	Each	2 -6
606(11)	Extruder Terminal (ET-Plus)	Each	11 -8
606(12)	Guardrail/Bridge Rail Connection	Each	8
611 (1-I)	Riprap, Class I	Cubic Yard	-295
611 (1-III)	Riprap, Class III	Cubic Yard	4000 272.51
615 (1)	Standard Sign	Square Foot	-307 335.3
615 (5)	Delineator, Flexible	Each	195 390

ATTACHMENT No. 2
TO
ADDENDUM NO. 5

NOTE:

REFER TO SHEET D1 FOR THE BASIS OF ESTIMATE TABLE.

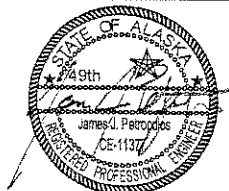
ESTIMATE OF QUANTITIES			
Item No.	Item	Pay Unit	QTY.
618 (1)	Seeding	Acre	-40 27.08
619 (1)	Mulching	Square Yard	-63,000 32,506.60
619 (3)	Flexible Growth Medium	Square Yard	420,000 131,073.80
629 (1)	Guardrail Paving	Linear Foot	-5447 632.0
630 (1)	Geotextile Separation	Square Yard	3400 2,132.30
633 (2)	Silt Barrier	Linear Foot	31,400 10,731.50
639 (3)	Driveways	Each	39 -23
640 (1)	Mobilization and Demobilization	Lump Sum	All Req'd.
641 (1)	Erosion, Sediment and Pollution Control Administration	Lump Sum	All Req'd.
641 (2)	Temporary Erosion, Sediment and Pollution Control	Contingent Sum	All Req'd.
641 (5)	Erosion and Pollution Control Price Adjustment	Contingent Sum	All Req'd.
641 (6)	Temporary Seeding	Acre	0 40 0.11
641 (8)	Temporary Check Dam	Each	89 -467
641(10)	Maintaining Flow at Fish Streams	Each	11
642 (1)	Construction Surveying	Lump Sum	All Req'd.
642 (3)	Three Person Survey Party	Hour	47.63 400
642 (4)	Set Primary Monument	Each	23 -26
642(10)	Monument Case	Each	23 -26
643 (2)	Traffic Maintenance	Lump Sum	All Req'd.
643 (3)	Permanent Construction Signs	Lump Sum	All Req'd.
643(14)	Interim Pavement Marking	Station	0 -257.5
643(15)	Flagging	Contingent Sum	All Req'd.
643(25)	Traffic Control	Contingent Sum	All Req'd.
645 (1)	Training Program, 1 Trainees/Apprentices	Labor Hour	750 -500
646 (1)	CPM Scheduling	Lump Sum	All Req'd.
670(1)	Painted Traffic Markings	Lump Sum	All Req'd.
670 (8)	Recessed Pavement Marker	Each	477 -401

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE *James J. Petropoulos* Date *4/14/2009*

JUN GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

Estimate of Quantities

CHECKED BY: C. Tripp



DESIGNED BY: J. Petropoulos

DRAWN BY: B.W.B./

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD
TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

Estimate of
Quantities

PROJECT DESIGNATION

STP-093-3(27) ~ 68832

STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
C1	100

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

BASIS OF ESTIMATE		
ITEM NO.	ITEM	BASIS OF ESTIMATE
201(1A)	CLEARING	10' ON FILL SLOPES, 20' ON CUT
201(3A)	CLEARING & GRUBBING	25 ACRES
203(3)	UNCLASSIFIED EXCAVATION	
	ROCK EXCAVATION	102,200 C.Y.
	OTHER EXCAVATION	28,800 C.Y.
203(19)	CONTROL OF INVASIVE PLANTS	7,500 S.Y.
304(1)	SUBBASE, GRADING C	1.95 TON/C.Y., 7500 TONS FOR WEDGES, 3700 FOR EXTRA WIDTH OVER EXISTING PAVEMENT, 2300 TONS FOR NON-RECLAIM SECTIONS
306(1)	ATB	117 LB/SY/IN
308(2)	CSS-1 ASPHALT FOR BASE COURSE	1.8 GAL/SY & 243 GAL/TON ON 86,000 S.Y. OF MAINLINE PAVING
308(3)	PORTLAND CEMENT	4.5 LBS/SY ON 86,000 S.Y. OF MAINLINE PAVING
401 (1)	ASPHALT CONCRETE, TYPE II, CLASS B	117 LB /SY/IN
401 (2)	ASPHALT CEMENT, GRADE PG 58-28	4.5% OF ITEM 306 (1), 6% OF ITEM 401 (1), & 237 GAL/TON
402 (1)	CSS-1 ASPHALT FOR TACK COAT	0.1 GAL/S.Y. & 243 GAL/TON
603(22)	STREAMBED MATERIAL	1.9 TON/C.Y.
606(1)	W-BEAM GUARD RAIL	DEDUCT 38' FOR ET-PLUS, 56', 59' AND 63' FOR 16', 20' AND 24' CRT RESPECTIVELY
611(1-I)	RIPRAP, CLASS I	34 CULVERTS @ 7.5 CY EA+17.0 CY (P-166)+23(HEADWALL P-145)
611(1-III)	RIPRAP, CLASS III	SEE TABLE SHEET J3

202(1) REMOVAL OF STRUCTURES AND OBSTRUCTIONS

ITEM	ESTIMATE	UNIT
CULVERT PIPE	3900	LINEAR FOOT
PAVEMENT	69000	SQUARE YARDS
SIGNS	46	EACH

NOTE:
PAVEMENT REMOVED SHALL BE INCORPORATED INTO THE WORK UNDER SECTION 304 OR 308 AT THE CONTRACTOR'S OPTION.

202 (10) SINGLE MAIL BOX INSTALLATION

STATION	OFFSET	REMARKS	QTY
351+68	LT		1
357+21	RT		1
366+30	LT		1
366+30	RT		1
374+01	LT		1
377+07	RT		1
383+42	LT		1
383+76	RT		1
388+45	RT		1
390+27	RT		1
403+68	LT		2

303(3) DITCH RECONDITIONING TABLE

FROM STATION	TO STATION	OFFSET	LENGTH (FEET)	REMARKS
347+50	427+50	LT	8000	
357+50	444+00	RT	8650	
451+00	464+00	LT	1300	
451+00	468+00	RT	1700	
543+50	544+50	RT	100	
555+50	556+50	RT	100	
558+00	599+00	RT	4100	
TOTAL=			23950	

642 (4)-TRAVERSE MONUMENTS

STATION	OFF.	STATION	OFF.
352+50	9 RT	492+60	18 RT
355+23	23 RT	500+45	22 LT
364+54	21 RT	521+38	30 LT
377+61	23 RT	534+41	42 LT
384+67	18 RT	538+75	28 LT
403+59	27 LT	542+57	30 RT
	19 LT	546+28	28 LT
432+00	14 LT	551+45	37 LT
439+20	10 LT	563+58	38 RT
450+00	17 RT	569+18	17 RT
470+42	27 RT	576+90	10 LT
487+67	15 RT	588+16	62 LT
494+02	18 RT	600+39	19 LT

EAGLE TREE TABLE

STATION	OFFSET	EAGLE TREE NEST DESIGNATION	USFWS #	REMARKS
555+00	47' RT	H721	51B	PRIMARY ZONE
593+10	92' RT	H722	51B	PRIMARY ZONE

NOTE: SEE PARAGRAPH C) WILDLIFE OF THE ENVIRONMENTAL COMMITMENTS (APPENDIX 'B' OF THE SPECIFICATIONS) FOR EAGLE TREE REGULATIONS.

Station	Offset	New Eagle Tree Nest
550+43	77.3 RT.	

606 - GUARDRAIL SUMMARY

STATION TO STATION	OFFSET	TOTAL LENGTH	PAYMENT LENGTH	TERMINAL	REMARKS
468+29 to 471+37	RT	347	271	24' CRT	HERBERT RIVER BRIDGE APPROACH
470+49 to 471+37	LT	88	50	ET-PLUS	HERBERT RIVER BRIDGE APPROACH
472+77 to 473+65	RT	88	50	ET-PLUS	HERBER RIVER BRIDGE APPROACH
472+77 to 475+51	LT	274	236	ET-PLUS	HERBERT RIVER BRIDGE APPROACH
494+04 to 497+10	RT	310	272	ET-PLUS	EAGLE RIVER BRIDGE APPROACH
495+25 to 497+10	LT	186	148	ET-PLUS	EAGLE RIVER BRIDGE APPROACH
499+21 to 500+05	RT	121	54	16' CRT	EAGLE RIVER BRIDGE APPROACH
499+21 to 501+95	LT	274	236	ET-PLUS	EAGLE RIVER BRIDGE APPROACH
547+50 to 555+49	LT	859	702.5	2 ET-PLUS + 16' & 24' CRT	TURNOUT, CRTS @ TURNOUT
ET-PLUS / ET-PLUS 580+12 to 594+75	LT	1505	1446	20' CRT	TURNOUT TO KAYAK LAUNCH
595+35 to 605+30	LT	1002	964	ET-PLUS	KAYAK LAUNCH TO EOP
602+94 to 605+14	RT	220	182.5	2 ET-PLUS	DROP OFF TO CREEK ON RIGHT
"K" 9+53 to 10+96	LT	173*		20' CRT	KAYAK LAUNCH APPROACH
TOTAL		5375*	4704	8XET-PLUS & 6X-CRT	11 X ET-PLUS & 2 X CRT

* THIS QUANTITY INCLUDES 119 FT OF REMOVE AND RECONSTRUCT GUARDRAIL 606(5)

ATTACHMENT NO. 2
TO
ADDENDUM NO. 5

ADDENDUM NUMBER

ATTACHMENT NUMBER

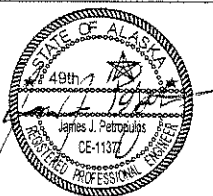
RECORD OF REVISIONS

No.	DATE	DESCRIPTION

JUN GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

Miscellaneous Summaries

CHECKED BY: C. Tripp



DESIGNED BY: J. Petropoulos

DRAWN BY: B.W.B./

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD
TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

Miscellaneous
Summaries

PROJECT DESIGNATION

STP-093-3(27) ~ 68832

STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
D1	100

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

603 CULVERT PIPE SUMMARY												
PIPE NO.	TYPE	DIAMETER (IN)	LENGTH (FT)	INLET			OUTLET			SLOPE	REMARKS	ROCK FLUME
				STA.	OFF.	INV.	STA.	OFF.	INV.			
P-113	CPP	24	~~61~~ 60	357+20	30 LT	27.8	357+19	31 RT	27.0	1.3%		
P-114	CPP	36	~~69~~ 70	362+34	34 LT	26.6	362+32	35 RT	26.1	0.7%		
P-117	OPP	24	66 ✓	387+17	~~29~~ 30 LT	28.0	387+31	~~36~~ 34 RT	26.8	1.8%		
P-119	CPP	24	~~64~~ 68	397+75	~~32~~ 30 RT	~~28.9~~ 27.4	397+88	~~33~~ 32 LT	~~27.2~~ 26.0	2.7% %		
P-122	CPP	24	~~64~~ 65	412+84	31 RT	32.9	412+84	33 LT	32.9	0.0%		
P-123	OPP	24	76 ✓	414+93	39 RT	30.0	414+92	36 LT	29.8	0.3%		
P-124	CPP	24	~~65~~ 64	418+08	30 RT	36.5	417+95	33 LT	34.0	3.9%		X
P-125	CPP	24	~~69~~ 70	419+48	31 RT	36.0	419+42	38 LT	31.4	6.7%		X
P-126	OPP	24	~~74~~ 76	420+29	~~34~~ 30 RT	37.3	420+56	~~42~~ 38 LT	31.8	7.4%		X
P-127	OPP	24	~~75~~ 78	425+47	~~38~~ 35 RT*	39.1	425+42	~~41~~ 38 LT	34.5	6.1%	* SEE DITCH TRANSITION DETAIL J2	X
P-128	OPP	24	~~79~~ 73.5	427+39	33 RT*	40.6	427+41	40 LT	32.9	10.5%	*SEE DITCH TRANSITION DETAIL J2	X
P-129	CPP	24	~~66~~ 66.5	431+40	30 RT	41.4	431+43	36 LT	39.0	3.6%		X
P-130	CPP	24	~~74~~ 73	436+06	30 RT	48.8	436+00	41 LT	42.9	8.0%		X
P-131	CPP	24	~~66~~ 60	440+09	30 RT	~~46.0~~ 44.5	440+08	36 LT	~~43.0~~ 42.5	4.6% 3%		X
P-132	OPP	24	~~72~~ 72.5	443+18	33 RT	~~36.9~~ 37.2	443+12	38 LT	33.5 ✓	4.7% 5.1%		X
P-133	OPP	24	~~65~~ 70	446+23	33 RT*	33.9	446+22	32 LT	30.2	5.7%	*SEE DITCH TRANSITION DETAIL J2	X
~~P-134 Deleted~~	CPP	24	~~61~~ 0	448+69	31 RT	29.4	448+66	30 LT	28.6*	1.3%	*CUT PIPE FLUSH WITH FORESLOPE	
P-138	CPP	24	~~67~~ 69	483+90	34 RT	~~28.3~~ 28.5	483+85	33 LT	~~27.5~~ 27.6	4.2% 1.0%		
P-139	OPP	24	69 ✓	485+72	35 RT	28.4	485+82	34 LT	27.6	1.2%		
P-140	OPP	24	~~70~~ 80	487+15	33 RT	~~29.5~~ 27.8	487+40	32 LT	~~28.7~~ 26.8	4.1% 1.25%		
~~P-141 Deleted~~	CPP	36	~~90~~ 0	492+20	38 RT	30.0	491+71	37 LT	28.5	1.7%		
~~P-142 Deleted~~	OPP	24	~~79~~ 0	501+53	39 RT	28.9	501+54	40 LT	28.2	0.9%		
P-143 a	OPP	~~24~~ 36	~~75~~ 85	504+94	34 RT	~~28.1~~ 27.4	505+20	36 LT	~~26.6~~ 23.9	2.0% 4.1%		
~~P-144 Deleted~~	OPP	36	~~83~~ 0	509+68	33 RT	25.8	510+17	34 LT	25.0	1.0%		
~~P-147 Deleted~~	OPP	36	~~115~~ 0	530+55	38 RT	29.1	530+77	75 LT	24.0	12.2%		X
~~P-148 Deleted~~	OPP	36	~~184~~ 0	538+01	35 RT	32.7	537+96	98 LT	24.0	6.5%		X
P-149	OPP	36	~~88~~ 100	540+94	44 RT	23.1	540+99	44 LT	19.5	4.1%		X
P-150	OPP	24	~~76~~ 78	543+37	~~40~~ 38 RT	27.1	543+36	38 LT	22.6	5.9%		X
P-151	OPP	24	~~75~~ 113	545+79	32 RT	32.1*	545+95	40 LT	23.3	11.7%	*CUT PIPE FLUSH WITH FORESLOPE	X
~~P-152a~~	OPP	24	85.5	548+48	35 RT	33.2*	548+39	44 LT	29.3	4.9%	*CUT PIPE FLUSH WITH FORESLOPE	X
P-152B	OPP	24	~~91~~ 80	552+24	37 RT	~~30.5~~ 32.0	552+25	54 LT	~~26.0~~ 30.0	4.0% 2.5%		X
P-152C	OPP	24	~~80~~ 67	555+73	29 RT	~~36.0*~~ 34.0	555+70	~~49~~ 38 LT	~~22.8~~ 30.0	16.5% 6.0 %	*CUT PIPE FLUSH WITH FORESLOPE	X
P-153A	OPP	24	76 ✓	559+66	39 RT	40.1	559+66	37 LT	34.9	6.8%		X
P-153B	OPP	24	~~84~~ 76	561+06	49 RT	~~43.4~~ 40.1	561+08	~~27~~ 34 LT	~~40.8~~ 34.9	3.1% 7%		X
P-154A	OPP	24	~~78~~ 80	562+83	42 RT	~~62.4~~ 56.7	562+84	36 LT	~~47.0~~ 51.7	6.9% 6%		X
P-154B	OPP	24	~~78~~ 80	563+76	40 RT	~~66.7~~ 56.5	563+56	35 LT	51.7	6.4% 6.1%		X
P-155A	OPP	24	~~65~~ 65.4	566+80	33 RT	66.6	566+70	32 LT	63.0	5.5%		X
P-155B	OPP	24	~~71~~ 67	568+36	~~33~~ 32 RT	~~71.0~~ 68.0	568+44	34 LT	64.6	9.1% 5.1%	SEE DITCH TRANSITION DETAIL J2	X
P-156	OPP	24	~~66~~ 67	575+79	30 RT	62.2	575+80	36 LT	58.5	5.6%		X
P-157	OPP	24	~~79~~ 82	578+02	31 RT	53.8	578+00	47 LT	44.4	11.8%		X
P-158	OPP	24	~~65~~ 85	579+77	~~51~~ 31 RT	48.3	579+77	34 LT	47.7	0.9% 0.6%		X
P-159	OPP	24	~~83~~ 78	584+52	32 RT	34.0	584+57	50 LT	22.3	14.1%		X
P-160	OPP	24	~~84~~ 80	585+24	33 RT	33.1	585+23	48 LT	~~23.0~~ 24.5	12.5% 10.6%		X
P-161	OPP	36	~~74~~ 75	587+49	29 RT	34.6	587+53	44 LT	25.3	12.6%		X
P-162	OPP	36	~~89~~ 71	590+48	30 RT	35.0	590+58	~~41~~ 50 LT	~~17.4~~ 24.6	20.0% 12%		X
P-163	OPP	36	~~84~~ 68	592+47	28 RT	36.8*	592+54	~~40~~ 54 LT	~~19.7~~ 24.0	20.3%	*CUT PIPE FLUSH WITH FORESLOPE	X
P-164	OPP	36	~~85~~ 82	594+22	29 RT	38.1	594+20	54 LT	~~21.4~~ 26.0	49.6% 15%		X
P-165	OPP	48		595+96			596+00				TO REMAIN	X
~~P-166 Deleted~~	OPP	24	~~77~~ 0	598+90	29 RT	53.4	598+85	47 LT	43.1	13.4%		X
P-167	OPP	9.5 x 11 MULTIPLATE		603+96						TO REMAIN	CLEAN TRASH RACK	

NOTE: SEE SHEET D3 AND H SHEETS FOR FISH PIPES, SHEET J8 FOR ROCK FLUME DETAIL.

P-137C	CPP	24	15	468+25			* NOTED IN NEW TABLE ON D-3			Added 15' TO EXISTING		
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PATH: Q:\JUN16832\PLANSET\D_MISC\SUMS.DWG		
STEVENSON, DAVID A (DOT)		
TAB: D2 Tue, 05 May 2009 1:42pm		
ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION
JUN GLACIER HIGHWAY & TRAILHEAD		
STAGE II-AMALGA HARBOR ROAD TO KAYAK LAUNCH		
STP-093-3(27) ~ 68832		
Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.		
PE <i>Ally C. Williams</i> Date 4/14/2011		
SUMMARIES		
CHECKED BY: C. Tripp		
		
DESIGNED BY: J. Petropoulos		
DRAWN BY: B.W.B.J.		
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION		
GLACIER HIGHWAY & TRAILHEAD STAGE II-AMALGA HARBOR ROAD TO KAYAK LAUNCH STP-093-3(27) ~ 68832		
Miscellaneous Summaries		
PROJECT DESIGNATION		
STP-093-3(27) ~ 68832		
STATE	YEAR	
ALASKA	2009	
SHEET NUMBER	TOTAL SHEETS	
D2	100	

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

603 Additional Culvert Pipe Summary							
Pipe No.	Type	Diameter (IN.)	Length (FT.)	STA.	Offset	STA.	Offset
P-155C	CPP	24	72.0	571+90	33.6 RT.	571+89	39.0 LT.
P-158A	CPP	24	86.0	582+92	41.6 RT.	582+92	44.6 LT.
P-137C	CPP	24	15.0	468+25	84.3 RT.	468+25	38.1 LT.

603 Additional Culvert Pipe Summary				
Type	Diameter (IN.)	Length (FT.)	STA.	Remarks
CPP	18	46.0	351+27	French Drain, See J2

FISH STREAM CULVERT SUMMARY (SEE H-SHEETS FOR DETAILS)

PIPE NO.	TYPE	DIAMETER (IN)	LENGTH (FT)	STA.	OFF.	INV.	STA.	OFF.	INV.	SLOPE	BURIAL DEPTH	WORK WINDOW	MINIMUM THICKNESS	STREAMBED MATERIAL	REMARKS
P-115	ICAP	60	79.80	374+52	31'RT	26.4'	375+00	31'LT	24.7'	2.15%	2'	5 DAYS*	12 GAUGE	21.4 CY	
P-116	ICAP	84	71	382+69	33'LT	23.2'	382+90	35'RT	22.9'	0.42%	3'	5 DAYS	12 GAUGE	41.4 CY	
P-118	ICAP	60	68.70	392+74	33'LT	24.8'	392+60	35'RT	23.5'	1.91%	2'	5 DAYS	12 GAUGE	18.5 CY	
P-120	SPICSPA	142 X 91	133.5	403+11	41'RT	20.9'	402+20	56'LT	20.4'	0.38%	2'	10 DAYS*	10 GAUGE	64.2 CY	
P-121	ICAP	60	62	408+53	31'LT	26.2'	408+58	29'RT	26.0'	0.32%	2'	5 DAYS	12 GAUGE	16.8 CY	
P-135	ICAP	60	72	451+39	38'RT	23.8'	451+27	33'LT	22.7'	1.53%	2'	5 DAYS	12 GAUGE	19.5 CY	
P-136	ICAP	60	90	460+19	32'RT	25.1'	459+63	34'LT	24.2'	1.0%	2'	5 DAYS	12 GAUGE	24.4 CY	
P-137A	ICAP	60	80.8	464+93	35'RT	22.9'	464+92	44'LT	22.3'	0.75%	2'	5 DAYS	12 GAUGE	21.7 CY	
P-137B	ICAP	60	40	N560194.1	E456802.6	22.0'	N560154.1	E456803.6	21.8'	0.50%	2'	5 DAYS	12 GAUGE	10.9 CY	
P-145	SPICSPA	142 X 91	83.5	515+02	38'RT	18.5'	515+07	44'LT	17.5'	1.20%	2'	10 DAYS*	10 GAUGE	37.8 CY	
P-146	ICAPA	112 X 75	82.80.7	520+25	34'RT	20.5'	520+62	41'LT	19.7'	0.98%	2'	10 DAYS*	8 GAUGE	32.6 CY	

*FROM START OF IN-WATER WORK.

603-Additional Driveway Culvert Pipes				
Type	Diameter (IN.)	Length (FT.)	STA.	Offset
CPP	18	33.5	350+00	
CPP	18	33.2	351+65	36 RT.
CPP	18	40	355+39	32.5 RT.
CPP	18	25.5	363+00	35 RT.
CPP	18	25.5	363+17	32 LT.
CPP	18	20.1	366+25	32.5 LT.
CPP	18	33	369+75	37 RT.
CPP	18	20	382+00	31.5 LT.
CPP	18	29	383+60	30.5 LT.
CPP	18	31.1	383+58	33.7 RT.
CPP	18	26	387+35	32.5 LT.
CPP	18	71.5	403+42	35.8 LT.

603 - DRIVEWAY CULVERT PIPES									
TYPE	DIAMETER (IN)	LENGTH (FT)	INLET			OUTLET			SLOPE
			STA.	OFF.	INV.	STA.	OFF.	INV.	
CPP	18	28	350+14	30 LT	25.0	349+86	31 LT	24.9	1.7%
CPP	18	34	352+04	30 LT	26.5	351+70	31 LT	26.32	3.2%
CPP	24	20.0	352+83	34 LT	27.1	352+61	34 LT	26.8	4.5%
CPP	18	36.40	357+63	26 RT	29.4	357+27	29 RT	28.4	2.8%
CPP	18	30	361+17	45 RT	26.4	360+87	42 RT	26.0	1.3%
CPP	18	32	365+96	33 RT	28.2	366+29	31 RT	28.0	0.6%
CPP	24	38	371+79	34 RT	27.8	372+17	35 RT	27.3	1.3%
CPP	18	32.0	374.04	48 LT	27.2	374+36	48 LT	26.6	1.6%
CPP	18	27.5	377+34	36 RT	29.6	377+14	36 RT	29.4	1.0%

NOTE:

CROSS CULVERT LOCATIONS GIVEN IN THIS TABLE ARE APPROXIMATE. FINAL CROSS CULVERT POSITIONS WILL BE DETERMINED BY THE ENGINEER AFTER CLEARING AND CENTERLINE STAKING IS COMPLETED. THE LOCATIONS OF CROSS CULVERTS AND OTHER PROPOSED IMPROVEMENTS ARE SUBJECT TO MINOR FIELD REVISIONS BY THE ENGINEER. THIS NOTE DOES NOT APPLY TO CULVERT LOCATIONS GIVEN IN THE H-SHEETS.

ATTACHMENT NO. 2
TO
ADDENDUM NO. 5

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 *4/14/2011*

SUMS.DWG

CMTRIPP
TAB: D3
Wed, 17 Jun 2009 - 1:15pm

ADDENDUM NUMBER

ATTACHMENT NUMBER

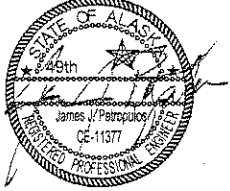
RECORD OF REVISIONS

No.	DATE	DESCRIPTION

JUN GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

Miscellaneous Summaries

CHECKED BY: C. Tripp



DESIGNED BY: J. Petropoulos

DRAWN BY: B.W.B./

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD
TO KAYAK LAUNCH
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Miscellaneous Summaries

PROJECT DESIGNATION

STP-093-3(27) ~ 68832

STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
D3	100

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

615(1) - STANDARD SIGN SUMMARY									
NUMBER	"O" STATION	OFF.	DESCRIPTION	ASDS CODE	DIM. (HXW)	AREA (SF)	POST TYPE	FRAMING	REMARKS
1	347+50	RT	SHOULDER NARROWS	W5-1A	36 X 36	9.0	2.5 PST		
2	350+90	LT	SIDE ROAD (90 DEGREE)	W2-2R	36 X 36	9.0	2.5 PST		
3	350+90	LT	AMALGA HARBOR ==>	D1-2-1	36 X 66	11.0	2-2.0 PST	REQUIRED	
4	355+90	RT	SPEED LIMIT 55	R2-1	36 X 48	12.0	2.5 PST	REQUIRED	
5	380+52	RT	MILEPOST 25	D10-102	14 X 27	2.6	2.5 PST		
7	406+59	LT	NO PARKING-SCHOOL BUS TURNOUT	R7P-X	12 X 18	1.5	2.5 PST		
8	433+32	RT	MILEPOST 26	D10-102	14 X 27	2.6	2.5 PST		
9	461+98	RT	ARROW RIGHT	RS-13R	6 X 18	0.8			REMOVE AND REUSE MOUNT BELOW SIGN 10
10	461+98	RT	HIKER (SYMBOL) TRAIL	RS-68	18 X 18	2.3	2.5 PST		REMOVE AND REUSE
11	464+43	LT	STOP	R1-1	30 X 30	6.3	2.5 PST		
12	465+93	RT	STOP	R1-1	30 X 30	6.3	2.5 PST		
13	471+31	RT	HERBERT RIVER	I-3	36 X 60	15.0	2-2.0 PST	REQUIRED	
14	473+00	LT	HERBERT RIVER	I-3	36 X 60	15.0	2-2.0 PST	REQUIRED	
15	473+62	LT	HIKER (SYMBOL) TRAIL	RS-68	18 X 18	2.3	2.5 PST		REMOVE AND REUSE
16	473+62	LT	ARROW LEFT	RS-13L	6 X 18	0.8			REMOVE AND REUSE MOUNT BELOW SIGN 15
17	475+37	RT	ARROW RIGHT	RS-13R	6 X 18	0.8			REMOVE AND REUSE MOUNT BELOW SIGN 18
18	475+37	RT	HIKER (SYMBOL) TRAIL	RS-68	18 X 18	2.3	2.5 PST		REMOVE AND REUSE
21	484+76	LT	HIKER (SYMBOL) TRAIL	RS-68	18 X 18	2.3	2.5 PST		REMOVE AND REUSE
22	484+76	LT	ARROW LEFT	RS-13L	6 X 18	0.8			REMOVE AND REUSE MOUNT BELOW SIGN 21
23	486+12	RT	MILEPOST 27	D10-102	14 X 27	2.6	2.5 PST		
24	493+58	RT	ENTERING EAGLE BEACH STATE RECREATION AREA	D7-1	42 X 96	28.0		REQUIRED	
25	496+15	LT	CURVE RIGHT	W1-2R	36 X 36	9.0	2.5 PST		
26	496+15	LT	45 MPH	W13-1	24 X 24	4.0			MOUNT BELOW SIGN 25
27	497+14	RT	EAGLE RIVER	I-3	36 X 48	12.0	2.5 PST	REQUIRED	
28	499+46	LT	EAGLE RIVER	I-3	36 X 48	12.0	2.5 PST	REQUIRED	
29	503+00	RT	METHODIST CAMP ==>	D1-2-1	24 X 60	10.0	2-2.0 PST	REQUIRED	
30	511+00	LT	<== METHODIST CAMP	D1-2-1	24 X 60	10.0	2-2.0 PST	REQUIRED	
31	514+60	RT	<== PARKING	D4-1	24 X 30	5.0	2.5 PST		
32	514+60	LT	EAGLE BEACH STATE RECREATION AREA	D7-2	30 X 102	21.3	2-4X6 WOOD		REMOVE AND REUSE
33	519+14	LT	STOP	R1-1	30 X 30	6.3	2.5 PST		
34	524+20	LT	EAGLE BEACH STATE RECREATION AREA	D7-2	30 X 102	21.3	2-4X6 WOOD		REMOVE AND REUSE
35	524+20	LT	PARKING ==>	D4-1	24 X 30	5.0	2.5 PST		
41	584+26	RT	SPEED LIMIT 55	R2-1	36 X 48	12.0	2.5 PST	REQUIRED	
42	591+92	RT	MILEPOST 29	D10-102	14 X 27	2.6	2.5 PST		
43	592+72	LT	ENTERING EAGLE BEACH STATE RECREATION AREA	D7-1	42 X 96	28.0	2-2.0 PST	REQUIRED	
44	594+85	LT	STOP	R1-1	30 X 30	6.3	2.5 PST		
45	602+50	RT	ROAD NARROWS	W5-1	36 X 36	9.0	2.5 PST		

NOTES:

1. REMOVE ALL EXISTING SIGNS AND REPLACE WITH ABOVE UNLESS OTHERWISE NOTED
2. ALASKA SIGN DESIGN SPECIFICATIONS [HTTP://WWW.DOT.STATE.AK.US/STWDDES/DESTRAFFIC/ASSETS/PDF/ASDS/ASDS-PDF.PDF](http://www.dot.state.ak.us/stwddes/destraffic/assets/pdf/asds/asds-pdf.pdf)
3. ALL SIGN POSTS ARE PERFORATED STEEL TUBES WITH SOLID EMBEDMENT PER STANDARD DRAWING S-30.03
4. SEE STANDARD DRAWING S-00.100 FOR SIGN FRAMING

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 *4/14/2011*

APPROXIMATE AREA (SQ. FT.) 307

No.	Sta.	Description	ASDS	DIM (HxW)	Area (SF)
46	546+75 LT	STOP 2 signs	R1-1	30x30	6.3
47	502+25 LT	Trailhead/Parking 2 signs	RS-68	18x18x2	4.6
48	499+60 RT	Trailhead/Parking	RS-68	18x18x2	4.6
49	545+15 RT	Picnic Area	Provided by DNR	18x18	2.3 4.6
50	549+25 LT	Picnic Area	DNR	18x18	2.3
51	538+92 RT	Mile Post 28	D10-102	14x27	2.6

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STEVENS, DAVID A (DOT)	
TAB: D4 Tue, 05 May 2009 - 8:34am	
ADDENDUM NUMBER	
ATTACHMENT NUMBER	
RECORD OF REVISIONS	
No.	DATE DESCRIPTION
JUN GLACIER HIGHWAY & TRAILHEAD STAGE II-AMALGA HARBOR ROAD TO KAYAK LAUNCH STP-093-3(27) ~ 68832	
Checked by: C. Tripp	
	
DESIGNED BY: J. Petropoulos	
DRAWN BY: B.W.B./	
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION GLACIER HIGHWAY & TRAILHEAD STAGE II-AMALGA HARBOR ROAD TO KAYAK LAUNCH STP-093-3(27) ~ 68832	
Miscellaneous Summaries	
PROJECT DESIGNATION STP-093-3(27) ~ 68832	
STATE ALASKA	YEAR 2009
SHEET NUMBER D4	TOTAL SHEETS 100

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

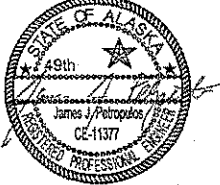
639(3) - DRIVEWAY SUMMARY							
STATION	OFFSET	R1	R2	WIDTH	PAVING LIMITS (FT)	ADDRESS	REMARKS
350+00	LT	20	20	10 ✓	37.44	24345	
351+90	LT	20	20	18 ✓	37.98	24545	
352+75	LT	20	20	10 ✓	35.95	24545	
357+40	RT	20	20	13 ✓	35.00	24590	
361+00	RT	20	20	10 ✓	34.83	24600	
363+00	RT	20	20	12 ✓	34.92	24616	
363+17	LT	20	20	14 ✓	36.00	24615	
366+17	RT	20	20	19 ✓	35.12	24628	
366+25	LT	20	20	12 ✓	36.00	24625	
369+90	RT	12	20	21 ✓	33.03	24632	
372+00	RT	20	20	14 ✓	35.00	24636	
374+20	LT	20	20	18 ✓	36.90	24751	
377+27	RT	20	20	13 ✓	34.84		UTILITY EASEMENT ACCESS
378+64	LT	20	20	24 ✓	35.05	24901	
382+60	RT	20	20	12 ✓	34.99	25000	
383+60	RT	20	20	10 ✓	35.01		SUBDIVISION ACCESS
383+60	LT	20	20	11 ✓	35.08	25001	
385+80	RT	20	20	9 ✓	35.01		SUBDIVISION ACCESS
387+35	LT	20	20	12 ✓	36.00	25115	
388+26	RT	20	20	12 ✓	34.95		COMMON ACCESS
390+00	RT	20	20	16 ✓	35.00		COMMON ACCESS
399+58	LT	20	20	16 ✓	36.00	25201	
403+42	LT	20	20	12 ✓	34.76	25255	
403+80	LT	20	20	12 ✓	34.85	25261	
406+25	LT	20	20	26 ✓	60.96	N/A	SCHOOL BUS TURNOUT
500+37	RT	30	30	~~64~~ 130	48.11	N/A	EAGLE RIVER TRAILHEAD APPROACH & PARKING, SEE G3
506+66	RT	20	20	12 ✓	35.00	N/A	METHODIST CAMP ENTRANCE
517+56	LT	30	30	270 ✓	18.00		EAGLE BEACH STATE RECREATION AREA DAY USE AREA PRKING LOT, SEE G4
519+35	LT	30	30	25 ✓	18.00		EAGLE BEACH STATE RECREATION AREA MAIN ENTRANCE
547+06	LT	40	40	25 ✓		N/A	NORTH EAGLE BEACH ACCESS
551+00	LT			~~310~~ 198	66.10	N/A	TURNOUT, SEE G6
581+25	LT			259	78.45	N/A	TURNOUT, SEE G7
595+05	LT	20	20	22 ✓	35.00	N/A	KAYAK LAUNCH, SEE G8

NOTES:

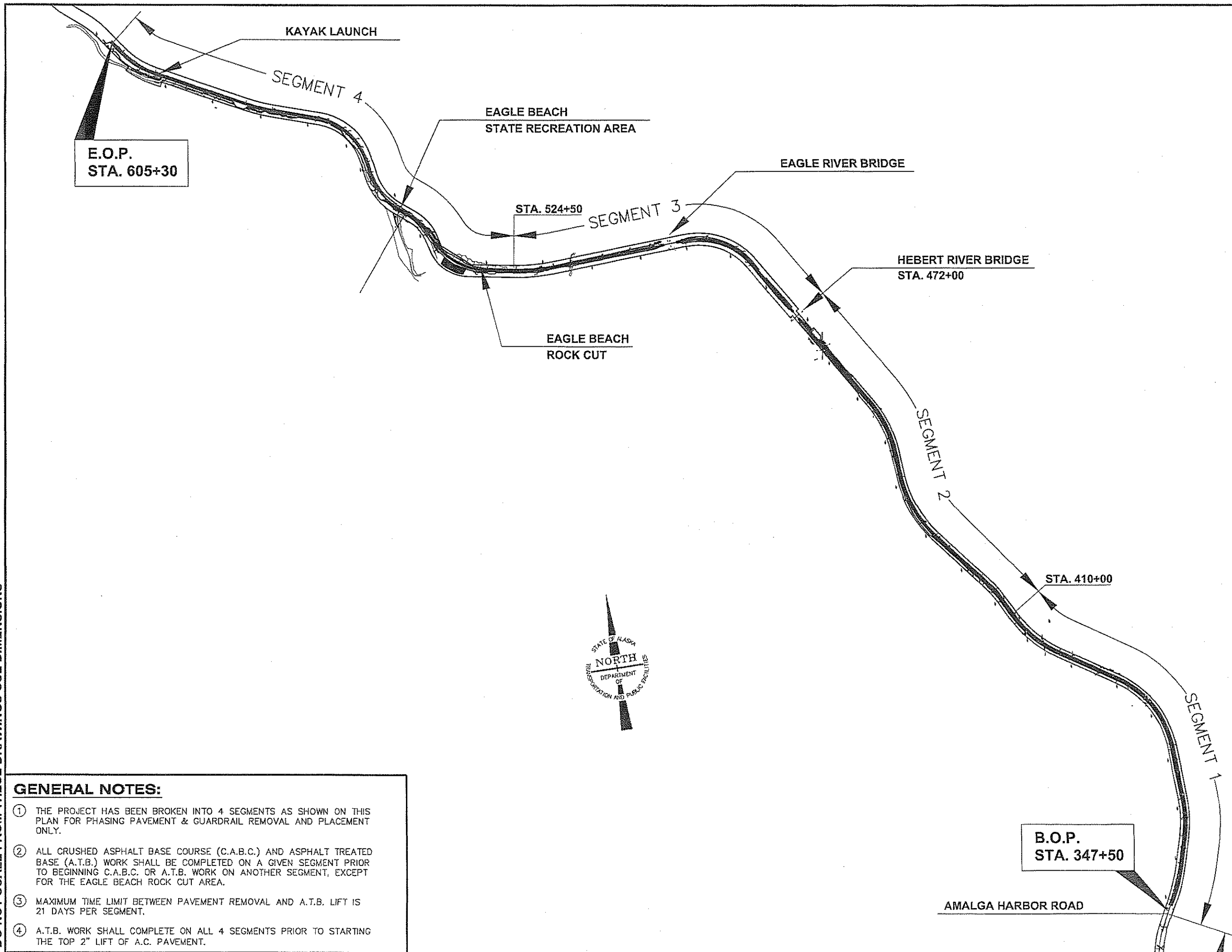
- SEE DRIVEWAY PERMITS FOR EXTRA CONSTRUCTION DETAILS.
- SAW-CUT 18.00 FT FROM CENTERLINE. TYPICAL SECTION TO 15.00 FT, TRANSITION FROM 15.00 TO MATCH EXISTING AT 18.00 FT.

STA.	Offset	Width	Address
350+00	RT	18	
351+65	RT	24	
355+40	RT	14	25001
381+95	LT	12	25001
412+06	RT	20	
480+75	RT		Herbert River Trailhead

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 4/14/2011

PATH: Q:\JUN\68832\PLANSET\D_MISC SUMS.DWG	
STEVENSON, DAVID A (DOT) TAB: D5 Tue, 05 May 2009 - 9:34am	
ADDENDUM NUMBER	
ATTACHMENT NUMBER	
RECORD OF REVISIONS	
No.	DATE DESCRIPTION
JUN GLACIER HIGHWAY & TRAILHEAD STAGE II-AMALGA HARBOR ROAD TO KAYAK LAUNCH STP-093-3(27) ~ 68832	
Miscellaneous Summaries	
CHECKED BY: C. Tripp	
	
DESIGNED BY: J. Petropoulos	
DRAWN BY: B.W.B./	
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION GLACIER HIGHWAY & TRAILHEAD STAGE II-AMALGA HARBOR ROAD TO KAYAK LAUNCH STP-093-3(27) ~ 68832	
Miscellaneous Summaries	
PROJECT DESIGNATION STP-093-3(27) ~ 68832	
STATE ALASKA	YEAR 2009
SHEET NUMBER D5	TOTAL SHEETS 100

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

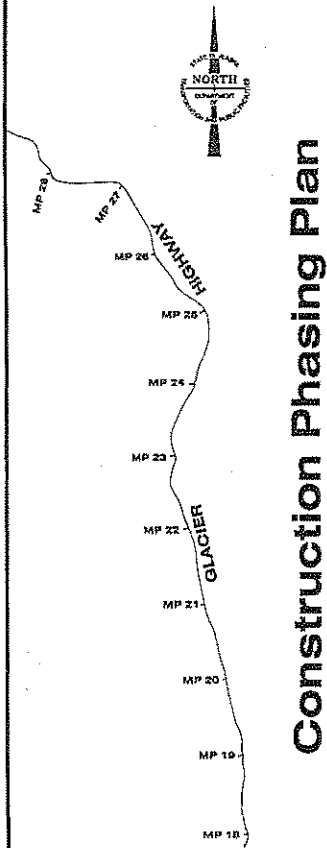


GENERAL NOTES:

- 1 THE PROJECT HAS BEEN BROKEN INTO 4 SEGMENTS AS SHOWN ON THIS PLAN FOR PHASING PAVEMENT & GUARDRAIL REMOVAL AND PLACEMENT ONLY.
- 2 ALL CRUSHED ASPHALT BASE COURSE (C.A.B.C.) AND ASPHALT TREATED BASE (A.T.B.) WORK SHALL BE COMPLETED ON A GIVEN SEGMENT PRIOR TO BEGINNING C.A.B.C. OR A.T.B. WORK ON ANOTHER SEGMENT, EXCEPT FOR THE EAGLE BEACH ROCK CUT AREA.
- 3 MAXIMUM TIME LIMIT BETWEEN PAVEMENT REMOVAL AND A.T.B. LIFT IS 21 DAYS PER SEGMENT.
- 4 A.T.B. WORK SHALL COMPLETE ON ALL 4 SEGMENTS PRIOR TO STARTING THE TOP 2" LIFT OF A.C. PAVEMENT.

PATH:Q:\LINU\68032\PLANSET\CON-PHAS.DWG

STEVENS, DAVID A (DOT)		
TAB: E1 Tue, 05 May 2009 - 9:35am		
ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



PLAN LEGEND

CHECKED BY: C. Tripp



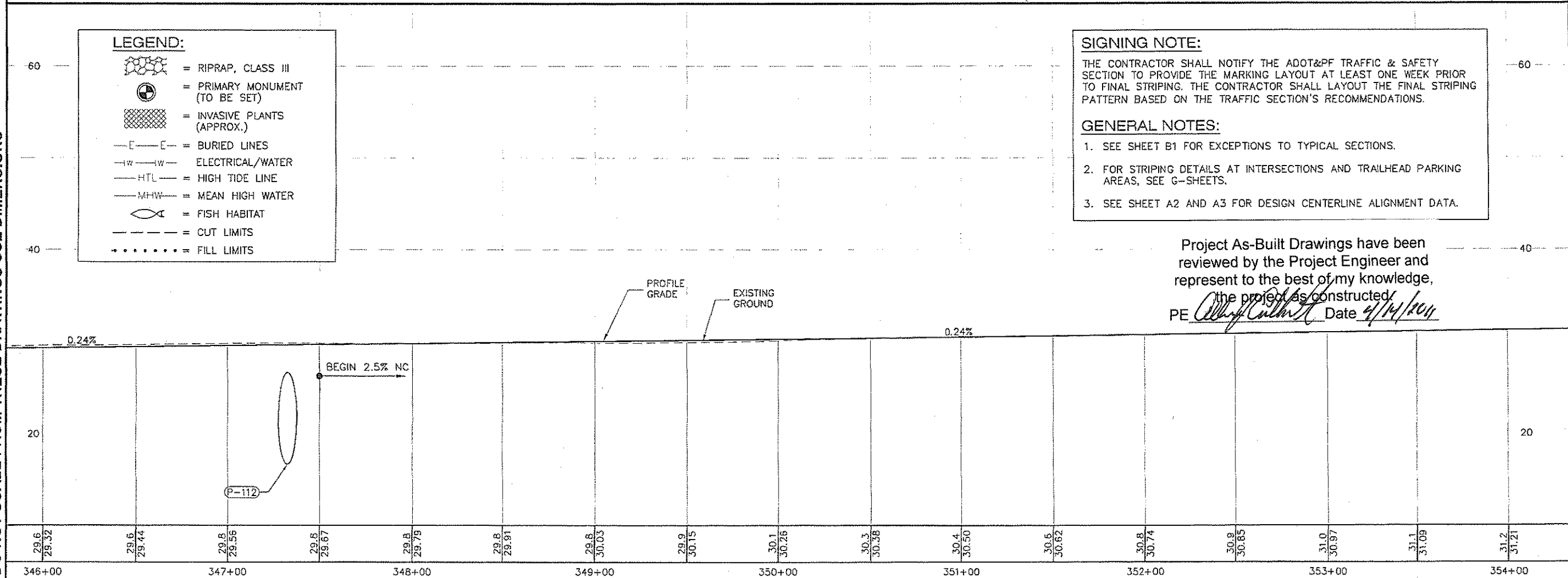
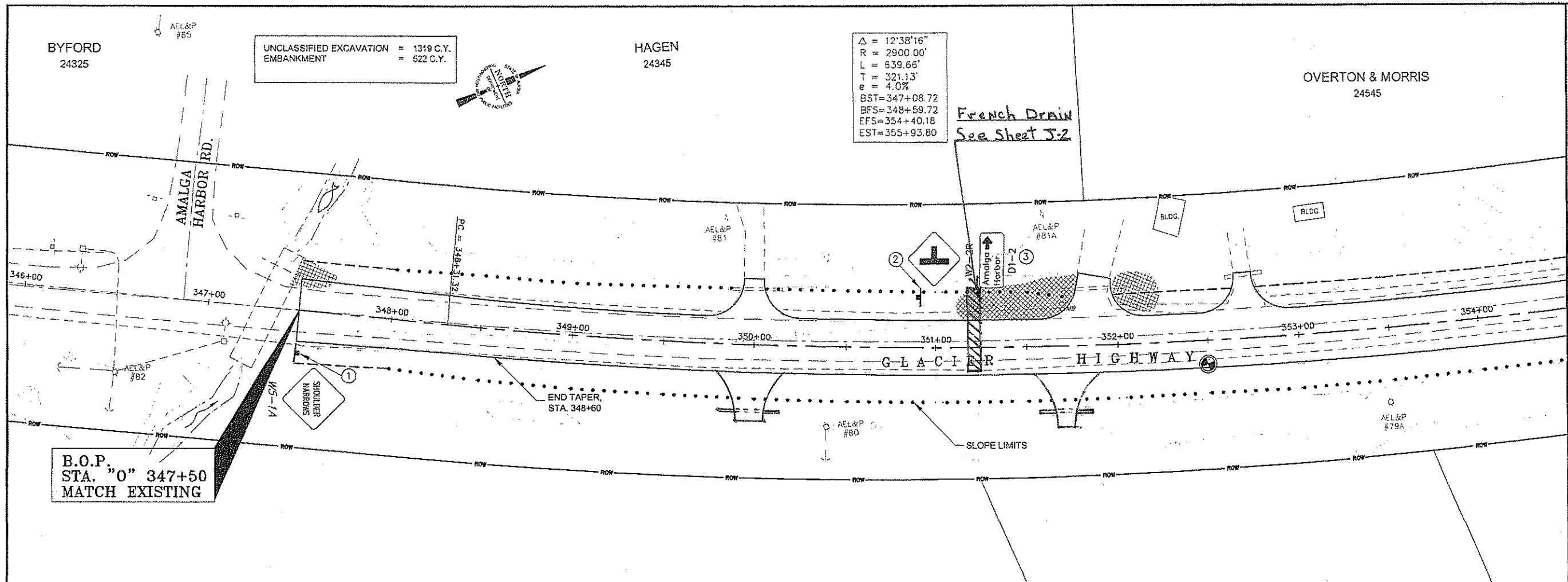
DESIGNED BY: J. Petropoulos
DRAWN BY: BENNET/PETROPULOS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION
GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD
TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

Construction Phasing Plan

PROJECT DESIGNATION	
STP-093-3(27) ~ 68832	
STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
E1	100

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



PATH: Q:\UNU168832\PLANSET\F1_PLAN.DWG

STEVENS, DAVID A (DOT)
TAB: F1 Mon, 11 May 2009 - 9:41am

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION
-----	------	-------------

KEY MAP

PLAN

PLAN LEGEND

CHECKED BY: C. Tripp

DESIGNED BY: J. Petropoulos

DRAWN BY: BENNET/PETROPULOS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY & TRAILHEAD STAGE II-AMALGA HARBOR ROAD TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

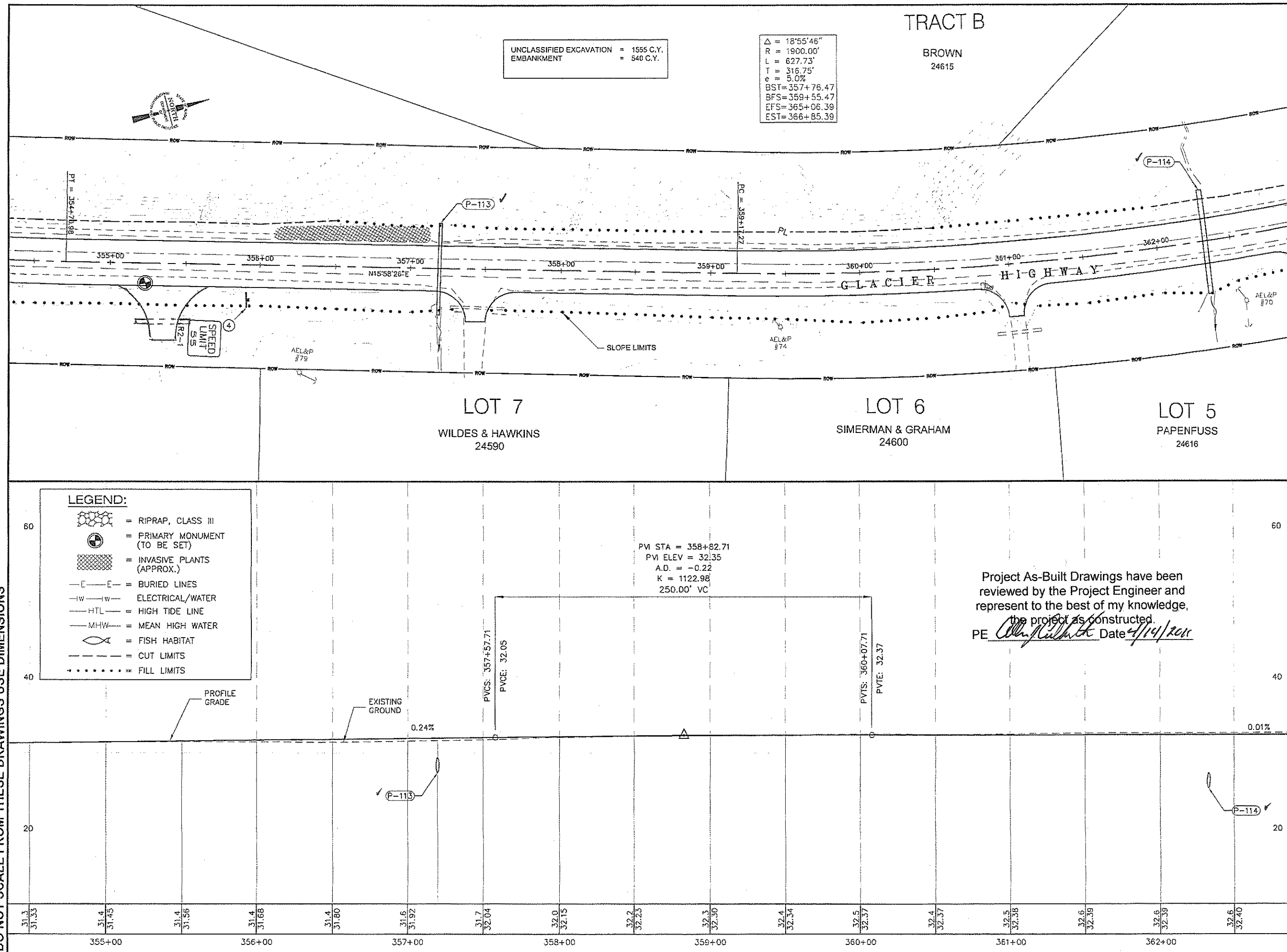
PLAN & PROFILE

PROJECT DESIGNATION
STP-093-3(27) ~ 68832

STATE	YEAR
ALASKA	2009

SHEET NUMBER	TOTAL SHEETS
F1	100

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



PATH: Q:\JUN16832\PLANSET\F_PLAN.DWG

STEVENSON, DAVID A (DOT)
TAB: F2 Mon, 11 May 2009 - 9:41am

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

KEY MAP

PLAN

PLAN LEGEND

CHECKED BY: C. Tripp

DESIGNED BY: J. Petropoulos

DRAWN BY: BENNET/PETROPULOS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY & TRAILHEAD
STAGE II - AMALGA HARBOR ROAD
TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

PLAN & PROFILE

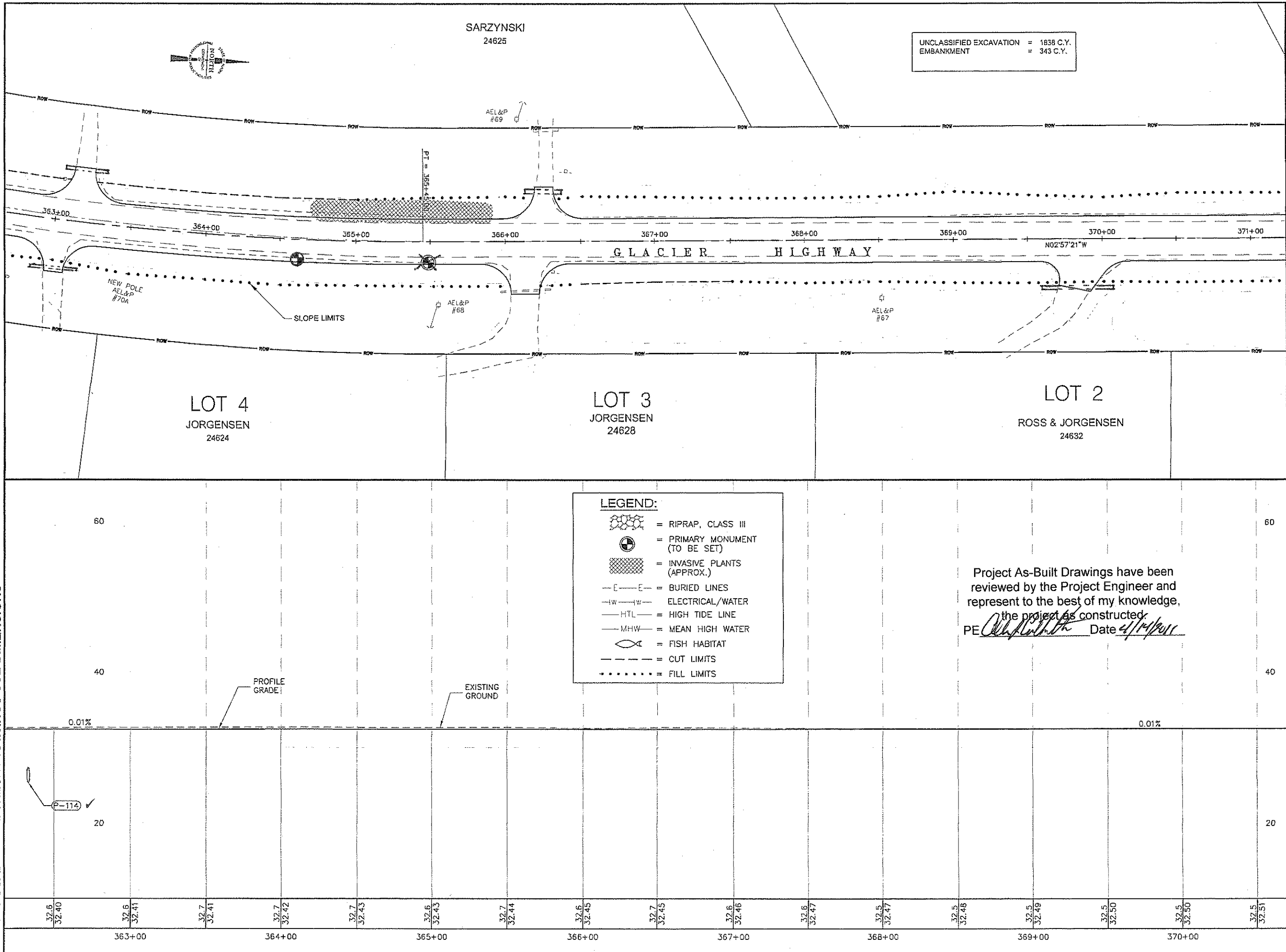
PROJECT DESIGNATION

STP-093-3(27) ~ 68832

STATE	YEAR
ALASKA	2009

SHEET NUMBER	TOTAL SHEETS
F2	100

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



UNCLASSIFIED EXCAVATION = 1838 C.Y.
EMBANKMENT = 343 C.Y.

PATH: Q:\UNU\68832\PLANSET\F_PLAN.DWG

STEVENS, DAVID A (DOT)
TAB: F3 Mon, 11 May 2009 - 9:41am

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION
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KEY MAP

PLAN LEGEND

CHECKED BY: C. Tripp

DESIGNED BY: J. Petropoulos

DRAWN BY: BENNET/PETROPULOS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD
TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

PLAN & PROFILE

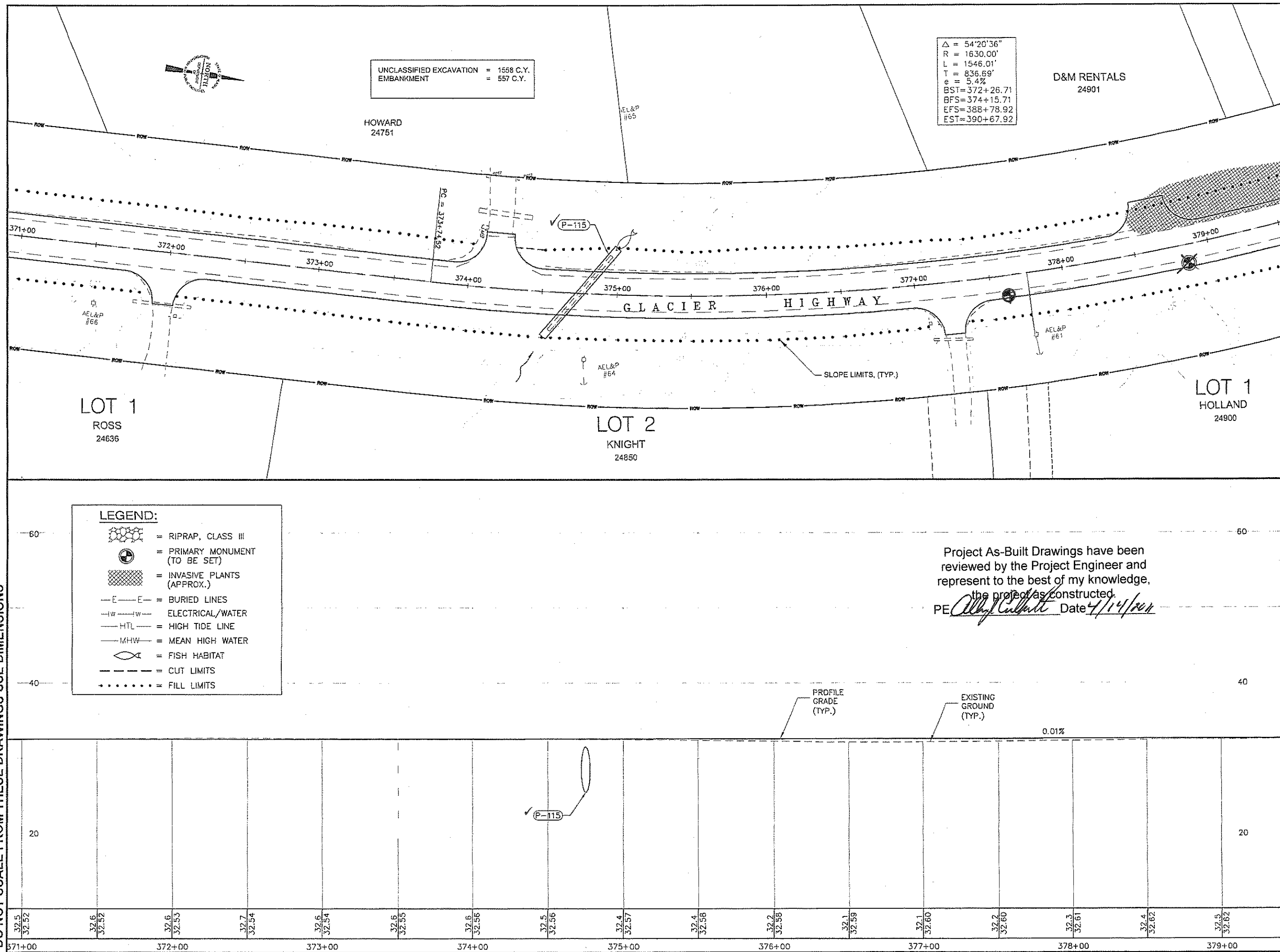
PROJECT DESIGNATION

STP-093-3(27) ~ 68832

STATE	YEAR
ALASKA	2009

SHEET NUMBER	TOTAL SHEETS
F3	100

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



PATH: Q:\JUNI168832\PLANSET\F PLAN.DWG

STEVENSON, DAVID A (DOT)
TAB: F4 Mon, 11 May 2009 - 9:41am

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

KEY MAP

PLAN

MP 20
MP 21
MP 22
MP 23
MP 24
MP 25
MP 26
MP 27
MP 28
MP 29
MP 30
MP 31
MP 32
MP 33
MP 34
MP 35
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MP 93
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MP 95
MP 96
MP 97
MP 98
MP 99
MP 100

PLAN LEGEND

CHECKED BY: C. Tripp

DESIGNED BY: J. Petropoulos

DRAWN BY: BENNET/PETROPULOS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD
TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

PLAN & PROFILE

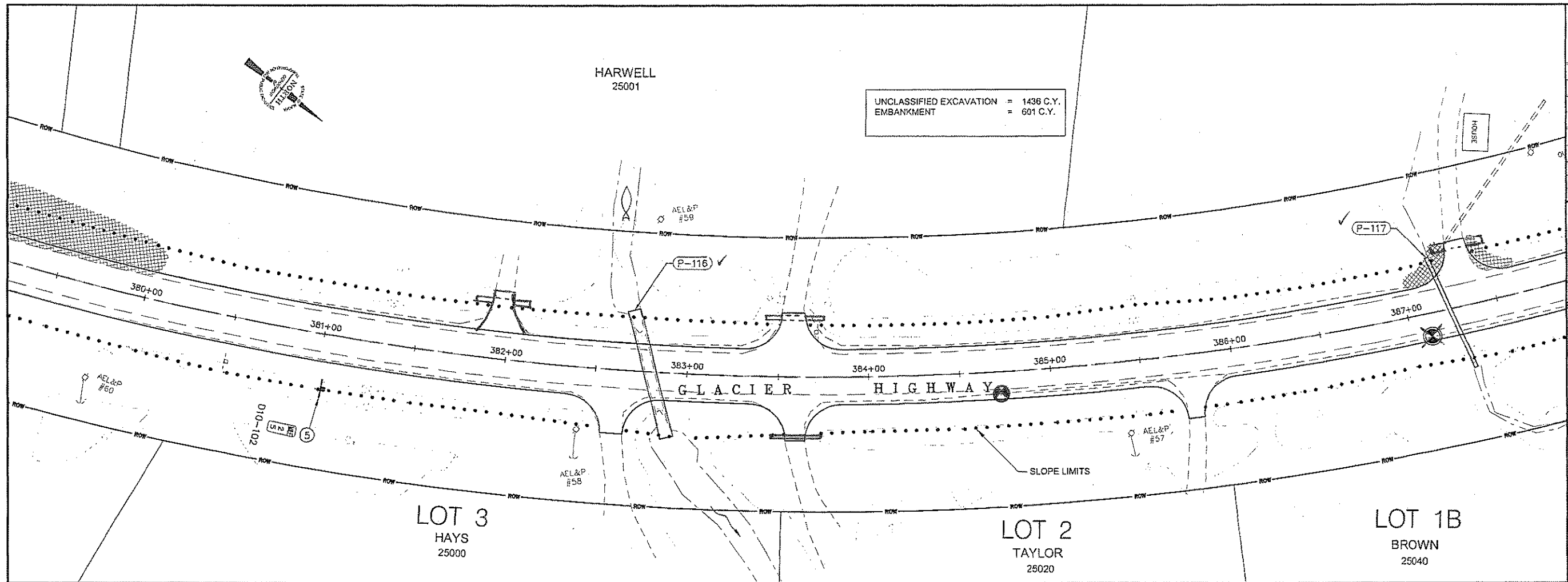
PROJECT DESIGNATION

STP-093-3(27) ~ 68832

STATE	YEAR
ALASKA	2009

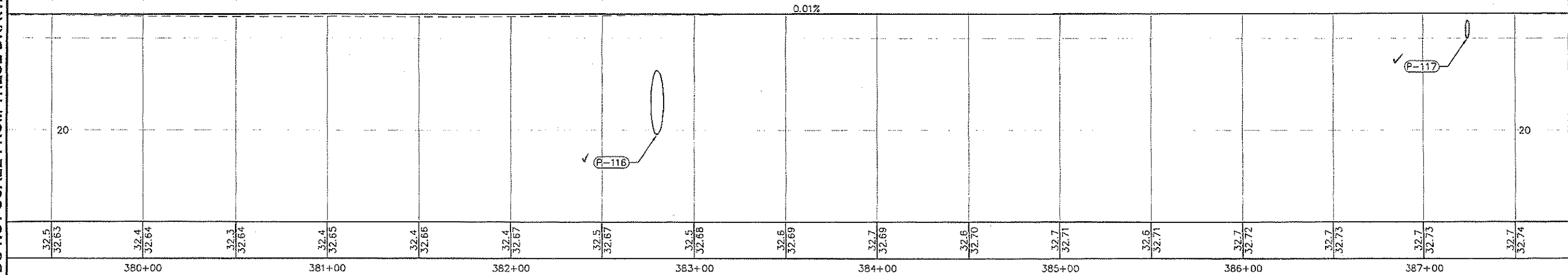
SHEET NUMBER	TOTAL SHEETS
F4	100

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



LEGEND:	
	= RIPRAP, CLASS III
	= PRIMARY MONUMENT (TO BE SET)
	= INVASIVE PLANTS (APPROX.)
	= BURIED LINES
	= ELECTRICAL/WATER
	= HIGH TIDE LINE
	= MEAN HIGH WATER
	= FISH HABITAT
	= CUT LIMITS
	= FILL LIMITS

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE Allynn Culhane Date 4/14/2011



PATH:Q:\JUN168832\PLANSET\F_PLAN.DWG

STEVENS, DAVID A (DOT)
TAB: FS Mon, 11 May 2009 - 9:42am

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

KEY MAP

PLAN

CHECKED BY: C. Tripp

DESIGNED BY: J. Petropoulos

DRAWN BY: BENNETT/PETROPULOS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD
TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

PLAN & PROFILE

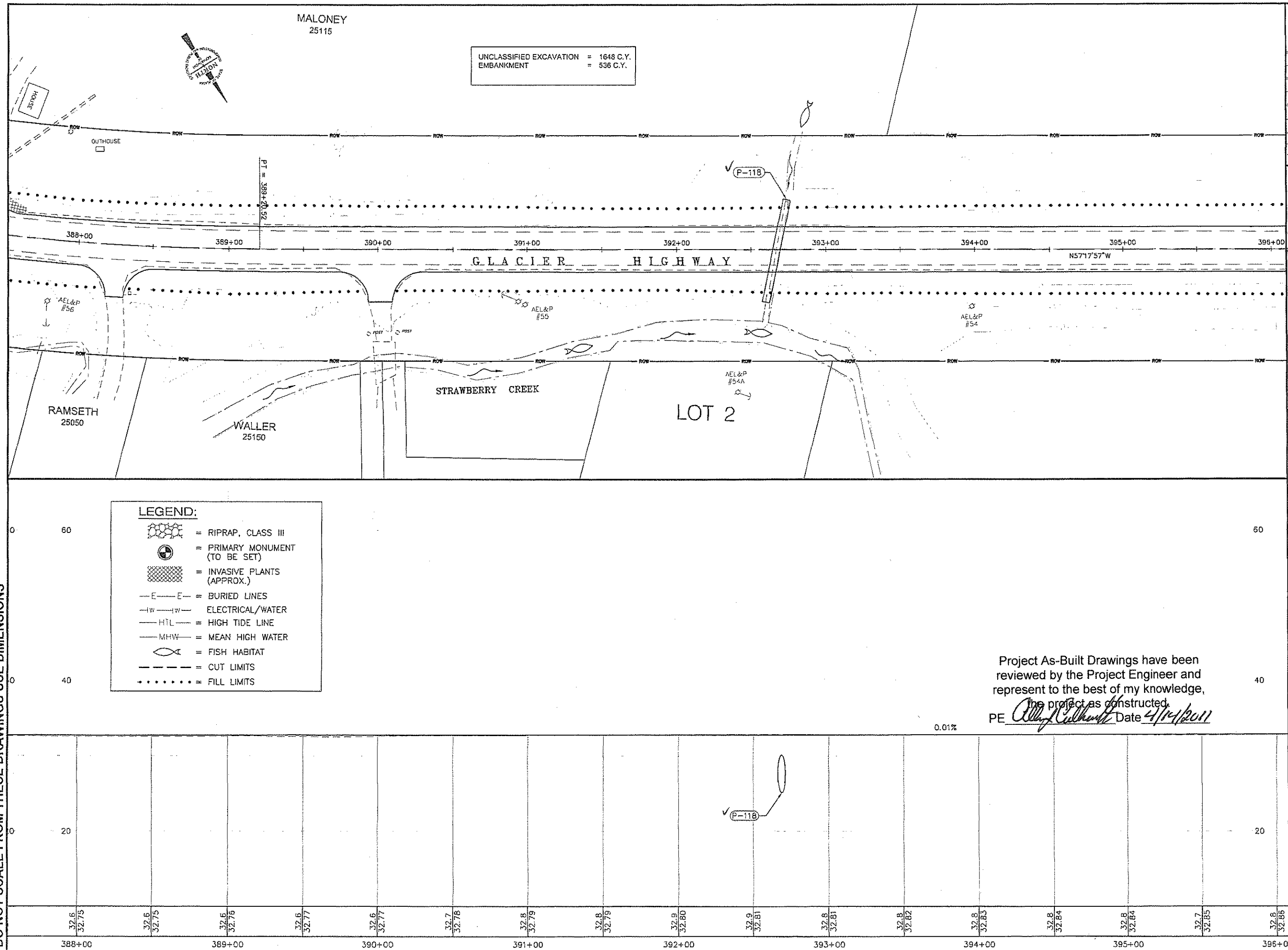
PROJECT DESIGNATION

STP-093-3(27) ~ 68832

STATE	YEAR
ALASKA	2009

SHEET NUMBER	TOTAL SHEETS
F5	100

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



PATH: Q:\UNR68832\PLANSET\F6_PLAN.DWG

STEVENS, DAVID A (DOT)
TAB: F6 Mon, 11 May 2009 - 9:42am

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

KEY MAP

PLAN

MP 25
MP 24
MP 23
MP 22
MP 21
MP 20
MP 19
MP 18

GLACIER HIGHWAY

PLAN LEGEND

CHECKED BY: C. Tripp

DESIGNED BY: J. Petropoulos

DRAWN BY: BENNET/PETROPULOS

STATE OF ALASKA
49th
James J. Petropoulos
CE-11377
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD
TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

PLAN & PROFILE

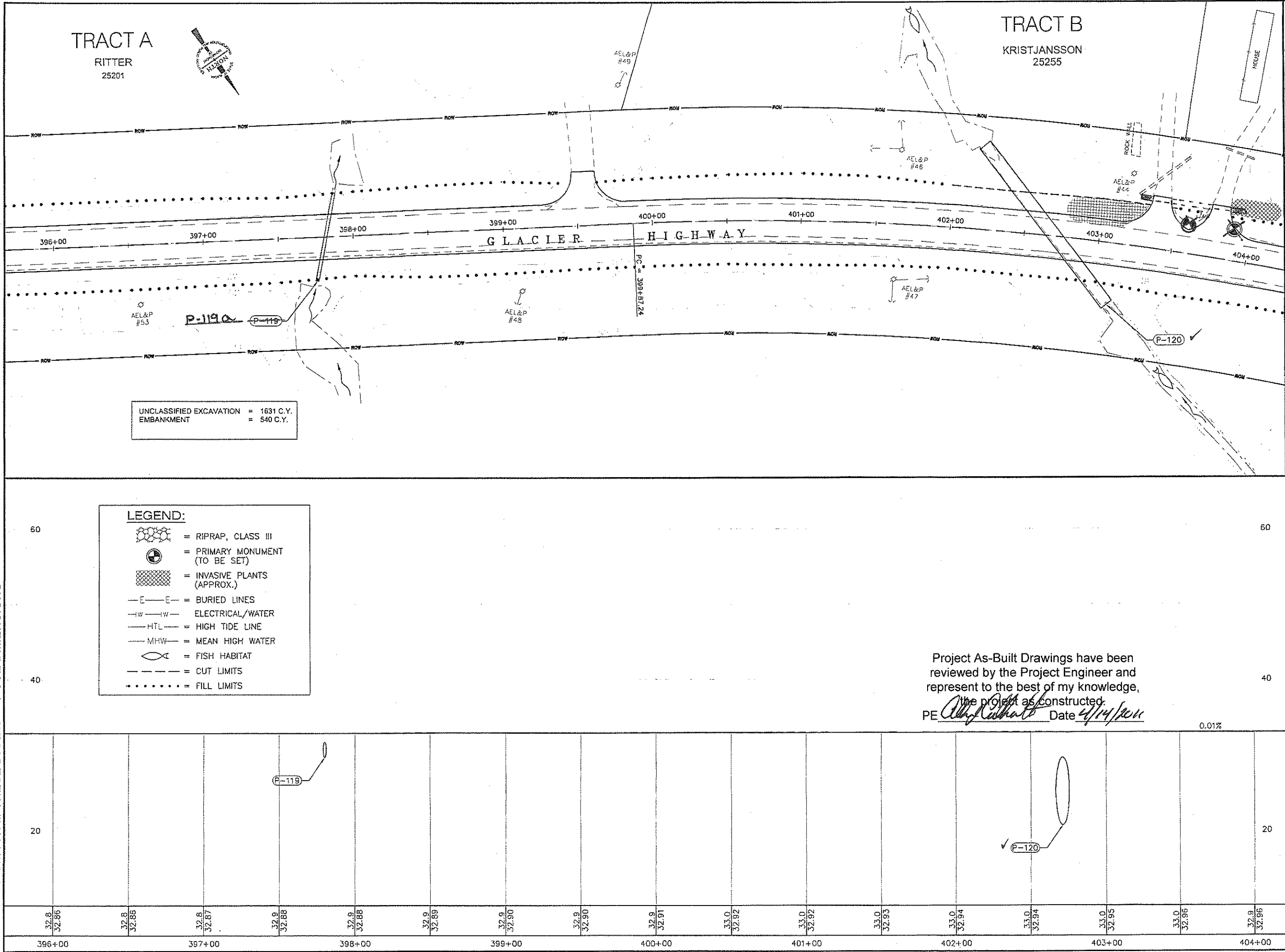
PROJECT DESIGNATION

STP-093-3(27) ~ 68832

STATE	YEAR
ALASKA	2009

SHEET NUMBER	TOTAL SHEETS
F6	100

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 *[Signature]* Date *4/14/2011*

PATH: Q:\JUN168832\PLANSET\F_PLAN.DWG

STEVEHS, DAVID A (DOT)
TAB: F7 Mon, 11 May 2009 - 9:42am

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION
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KEY MAP

PLAN LEGEND

CHECKED BY: C. Tripp

DESIGNED BY: J. Petropoulos

DRAWN BY: BENNET/PETROPULOS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD
TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

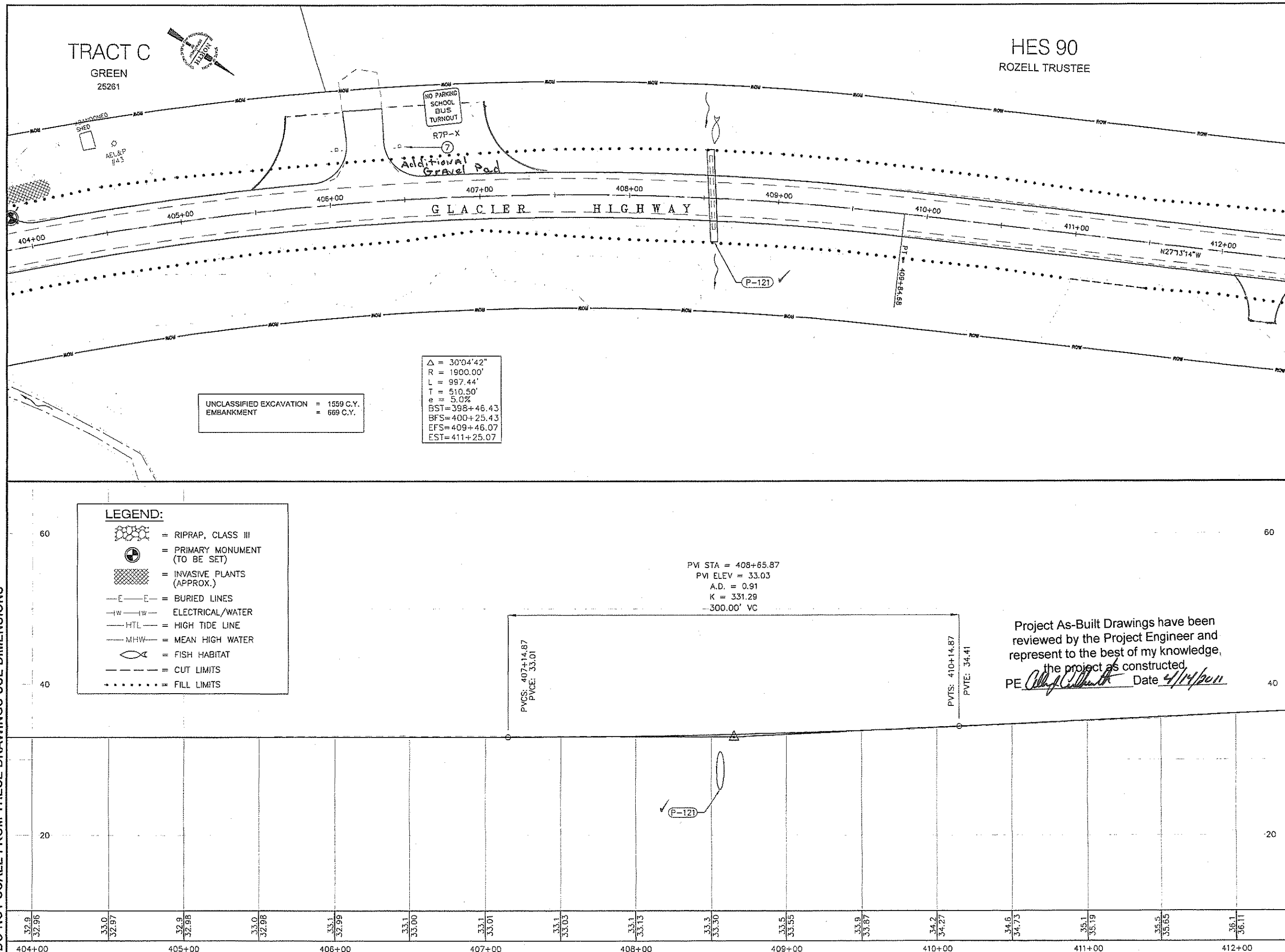
PLAN & PROFILE

PROJECT DESIGNATION
STP-093-3(27) ~ 68832

STATE	YEAR
ALASKA	2009

SHEET NUMBER	TOTAL SHEETS
F7	100

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



PATH: Q:\UN16632\PLANSET\F_PLAN.DWG

STEVENS, DAVID A (DOT)
TAB: F8 Mon, 11 May 2009 - 9:42am

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION
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KEY MAP

PLAN

MP 26
MP 25
MP 24
MP 23
MP 22
MP 21
MP 20
MP 19
MP 18

GLACIER HIGHWAY

PLAN LEGEND

CHECKED BY: C. Tripp

DESIGNED BY: J. Petropoulos

DRAWN BY: BENNET/PETROPULOS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD
TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

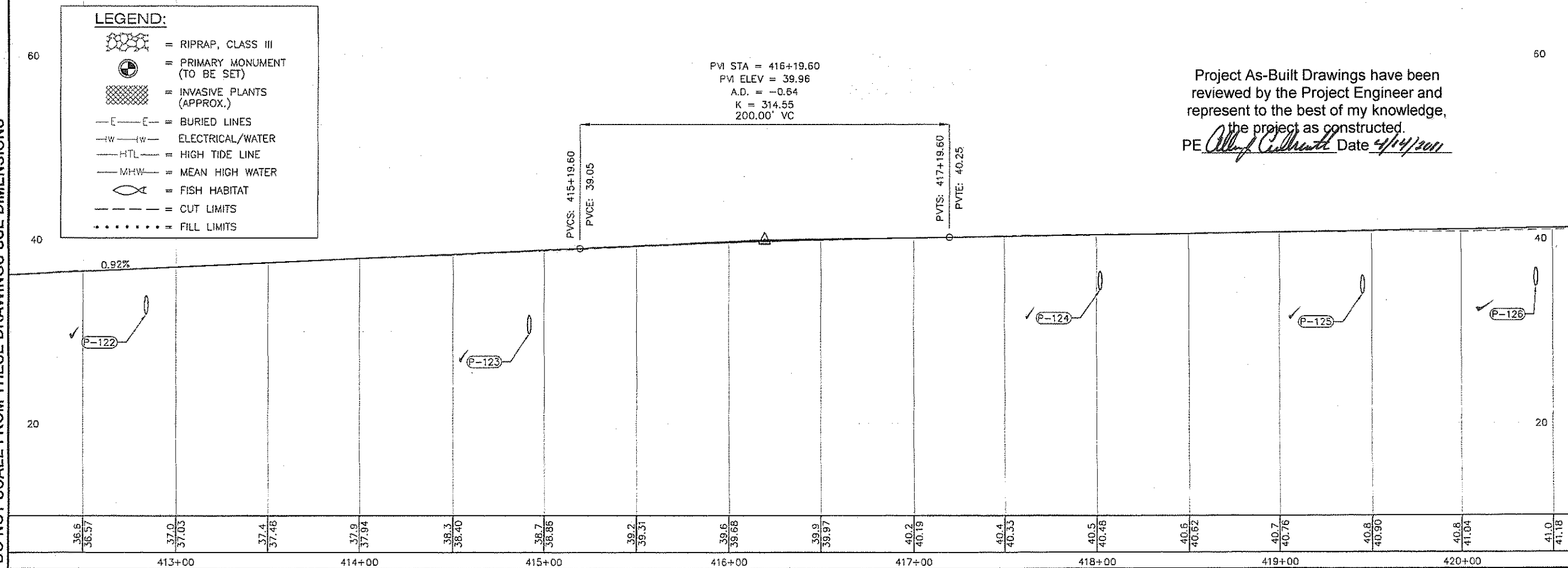
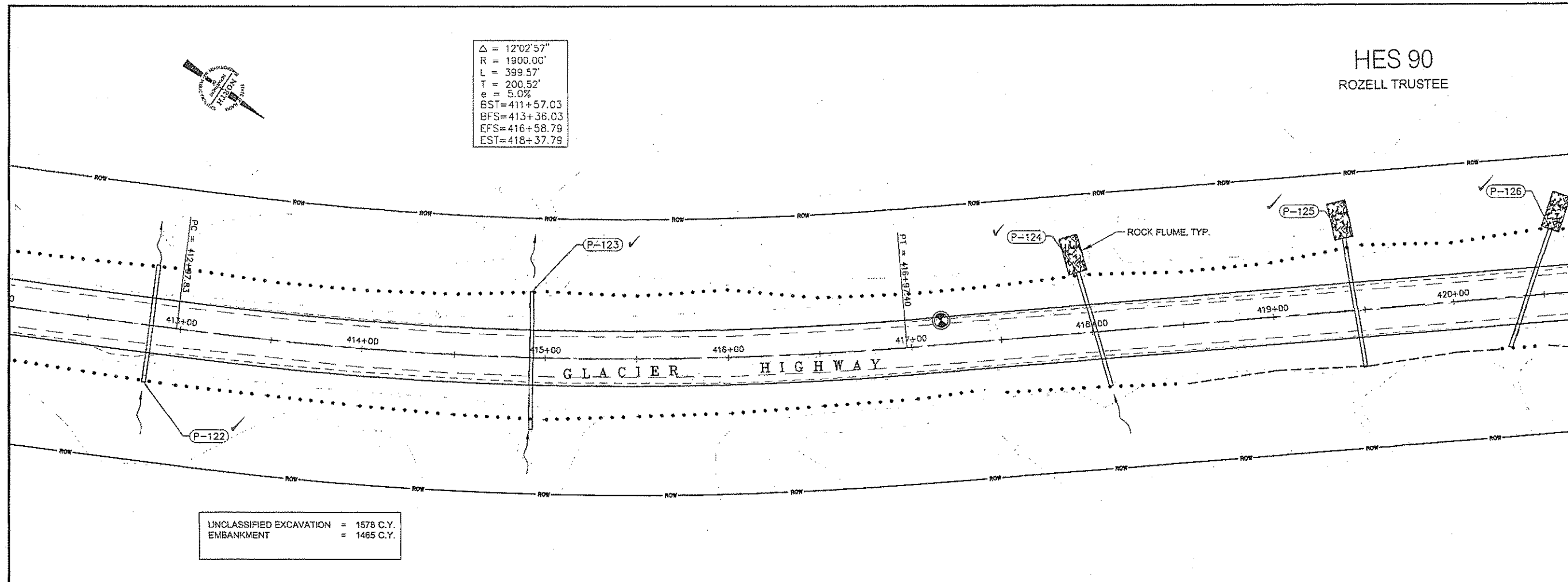
PLAN & PROFILE

PROJECT DESIGNATION
STP-093-3(27) ~ 68832

STATE	YEAR
ALASKA	2009

SHEET NUMBER	TOTAL SHEETS
F8	100

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



PATH:Q:\JUN168832\PLANSET\F_PLAN.DWG

STEVENSON, DAVID A (DOT)
TAB: F9 Mon, 11 May 2009 - 9:43am

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION
-----	------	-------------

KEY MAP

PLAN

MP 28
MP 27
MP 26
MP 25
MP 24
MP 23
MP 22
MP 21
MP 20
MP 19
MP 18

GLACIER HIGHWAY

PLAN LEGEND

CHECKED BY: C. Tripp

STATE OF ALASKA
J. Petropoulos
James J. Petropoulos
CE-11377
REGISTERED PROFESSIONAL ENGINEER

DESIGNED BY: J. Petropoulos
DRAWN BY: BENNETT/PETROPULOS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY & TRAILHEAD
STAGE II- AMALGA HARBOR ROAD
TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

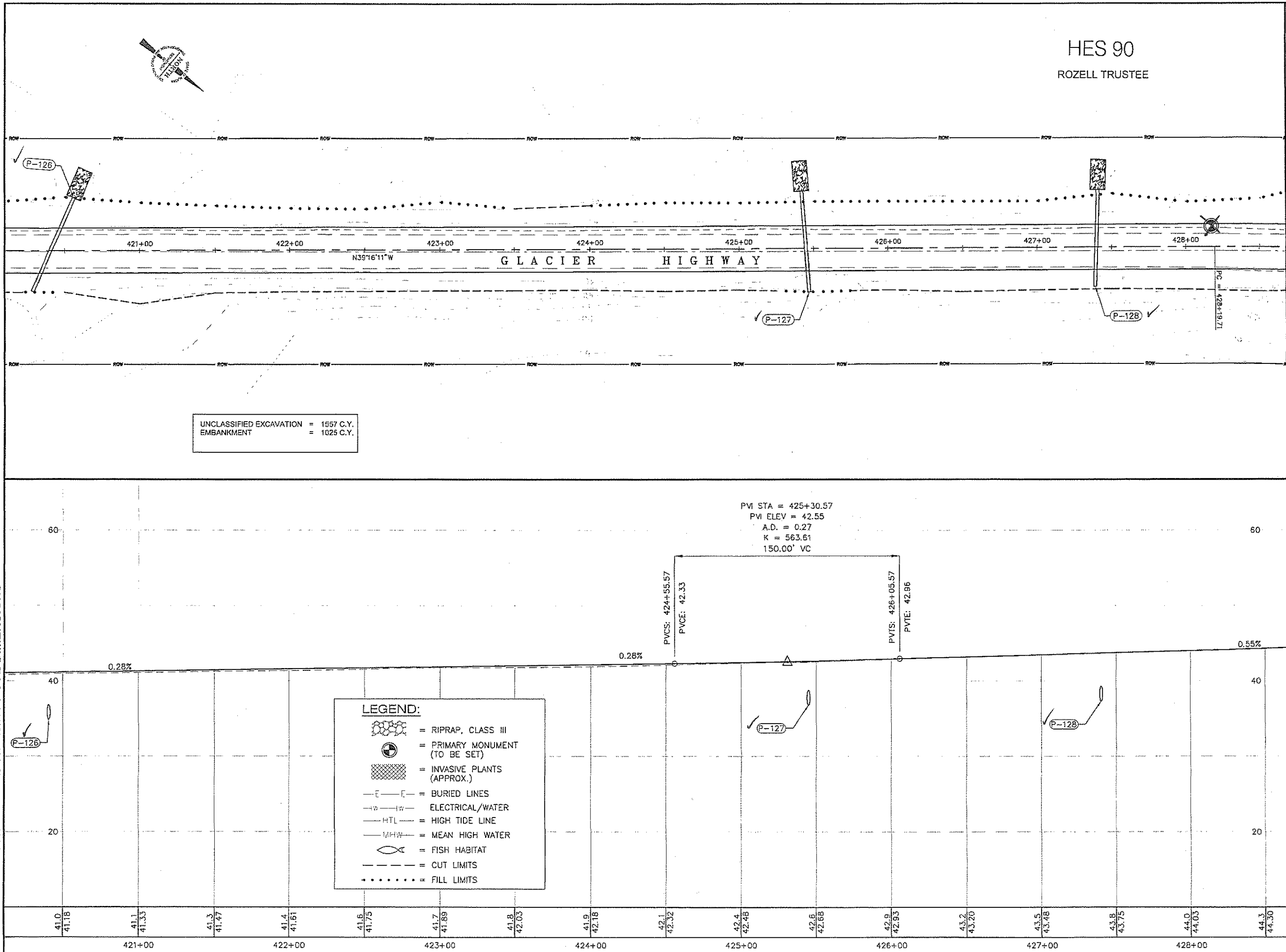
PLAN & PROFILE

PROJECT DESIGNATION
STP-093-3(27) ~ 68832

STATE	YEAR
ALASKA	2009

SHEET NUMBER	TOTAL SHEETS
F9	100

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



PATH: Q:\JUN16\8832\PLANSET\F_PLAK.DWG

STEVENS, DAVID A (DOT)
TAB: F10 Mon, 11 May 2009 - 9:43am

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION
-----	------	-------------

KEY MAP

PLAN

GLACIER

MP 20
MP 21
MP 22
MP 23
MP 24

PLAN LEGEND

CHECKED BY: C. Trapp

DESIGNED BY: J. Petropoulos

DRAWN BY: BENNET/PETROPOULOS

STATE OF ALASKA
49th
James J. Petropoulos
CE-11377
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD
TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

PLAN & PROFILE

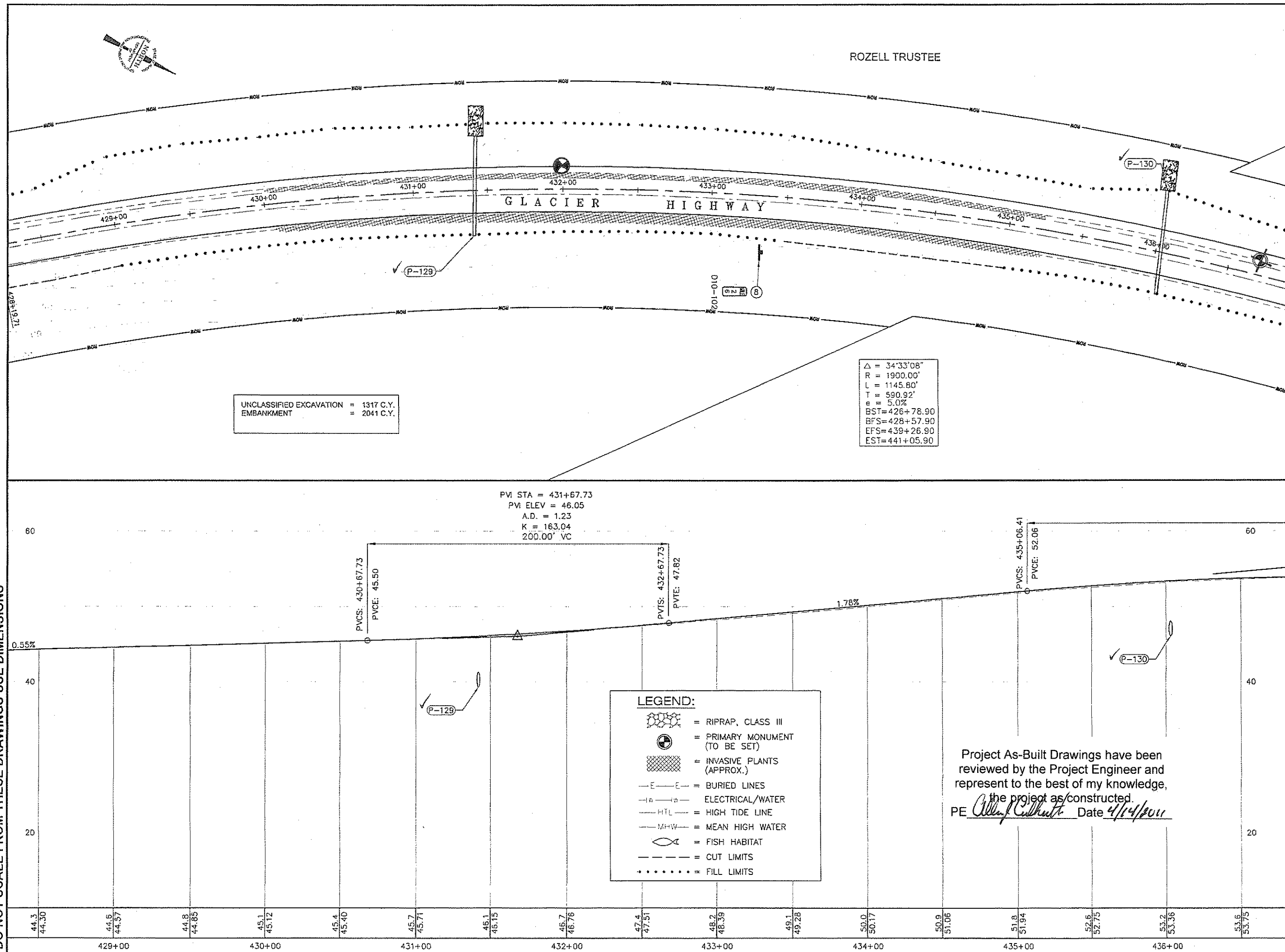
PROJECT DESIGNATION

STP-093-3(27) ~ 68832

STATE	YEAR
ALASKA	2009

SHEET NUMBER	TOTAL SHEETS
F10	100

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



PATH: Q:\JUN168832\PLANSET\F_PLAN.DWG

STEVENS, DAVID A (DOT)
TAB: F11 Mon, 11 May 2009 - 9:43am

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

KEY MAP

PLAN LEGEND

CHECKED BY: C. Tripp

DESIGNED BY: J. Petropoulos

DRAWN BY: BENNET/PETROPULOS

STATE OF ALASKA
49th
James J. Petropoulos
CE-11377
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD
TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

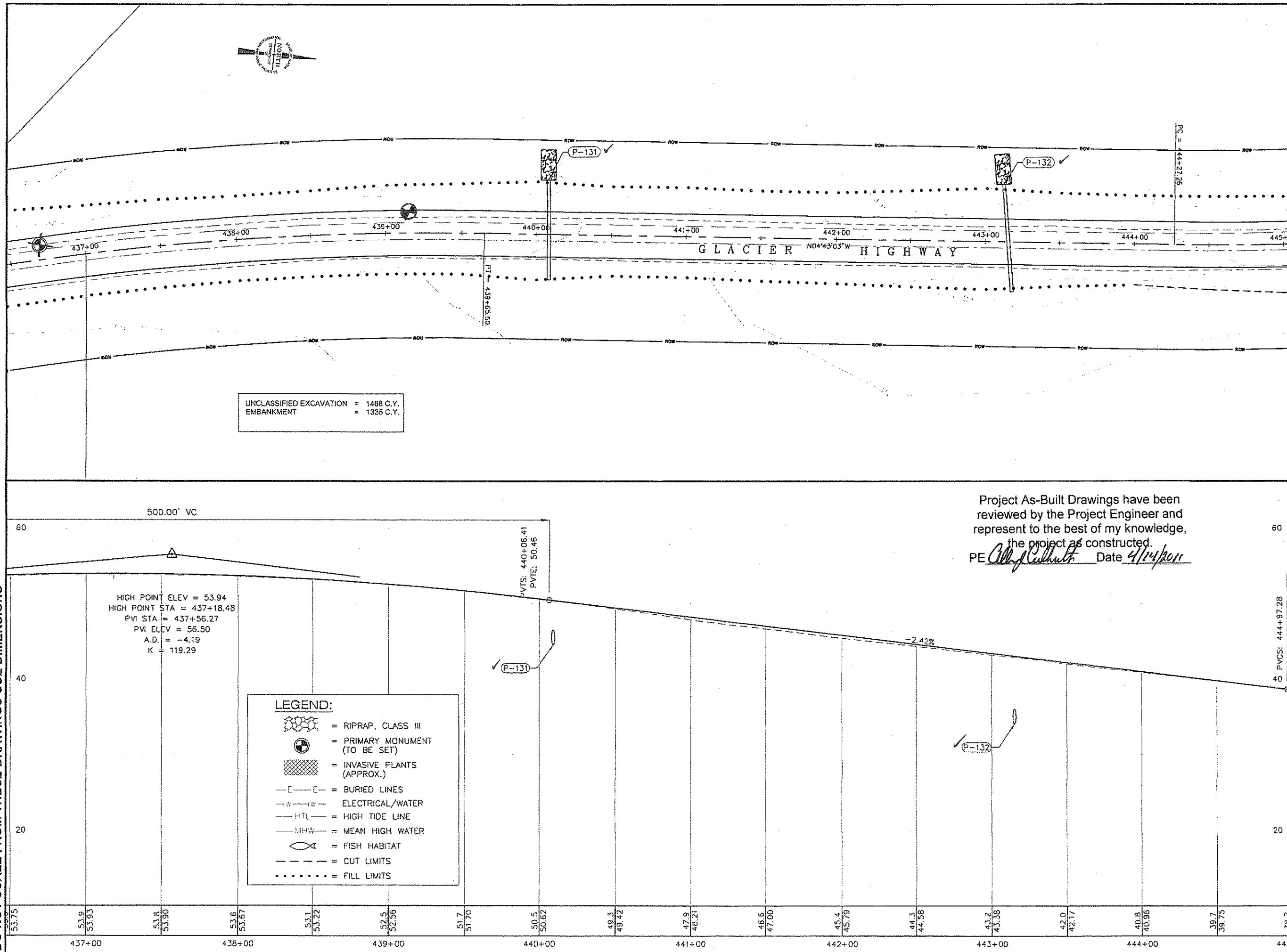
PLAN & PROFILE

PROJECT DESIGNATION
STP-093-3(27) ~ 68832

STATE	YEAR
ALASKA	2009

SHEET NUMBER	TOTAL SHEETS
F11	100

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



UNCLASSIFIED EXCAVATION = 1488 C.Y.
EMBANKMENT = 1335 C.Y.

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE *Chad R. Kuhlth* Date *4/14/2011*

PATH: Q:\JUN168832\PLANSET\F_PLAN.DWG

STEVENS, DAVID A (DOT)
TAB: F12 Mon, 11 May 2009 - 9:44am

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION
-----	------	-------------

KEY MAP

PLAN

MP 25
MP 24
MP 23
MP 22
MP 21
MP 20
MP 19
MP 18

PLAN LEGEND

CHECKED BY: C. Tripp

DESIGNED BY: J. Petropoulos
DRAWN BY: BENNET/PETROPULOS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION
GLACIER HIGHWAY & TRAILHEAD
STAGE II - AMALGA HARBOR ROAD
TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

PLAN & PROFILE

PROJECT DESIGNATION
STP-093-3(27) ~ 68832

STATE	YEAR
ALASKA	2009

SHEET NUMBER	TOTAL SHEETS
F12	100

STEVENS, DAVID A (DOT)
TAB: F13 Mon, 11 May 2009 - 9:44am

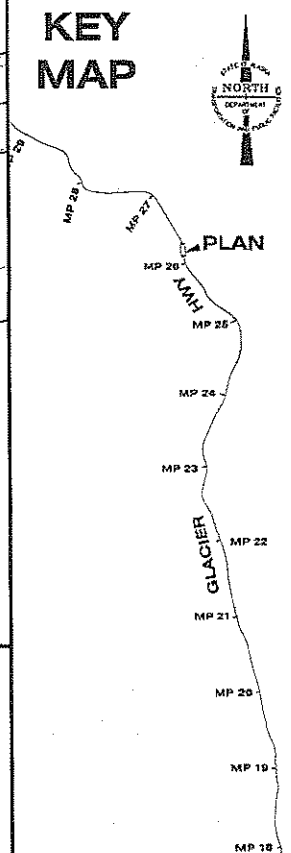
ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

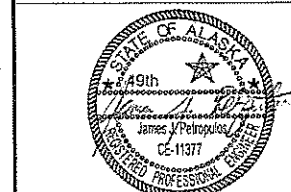
No.	DATE	DESCRIPTION

KEY MAP



PLAN LEGEND

CHECKED BY: C. Tripp



DESIGNED BY: J. Petropoulos

DRAWN BY: BENNET/PETROPULOS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD
TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

PLAN & PROFILE

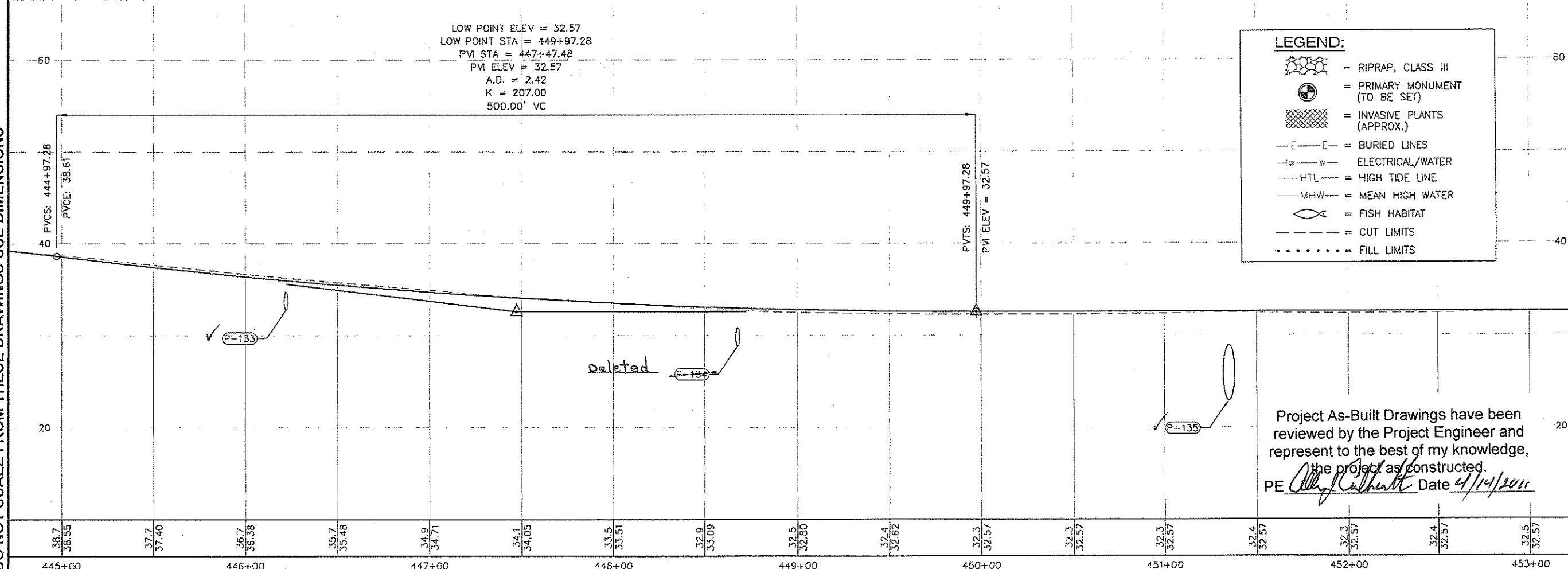
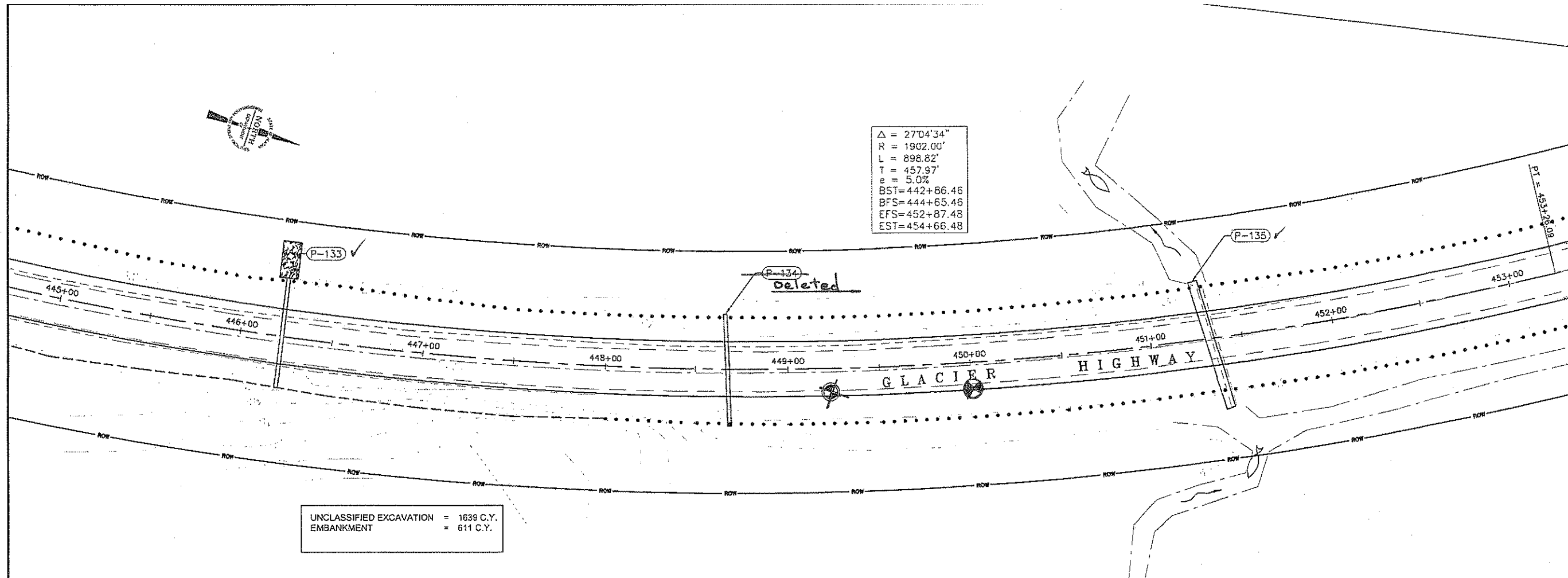
PROJECT DESIGNATION

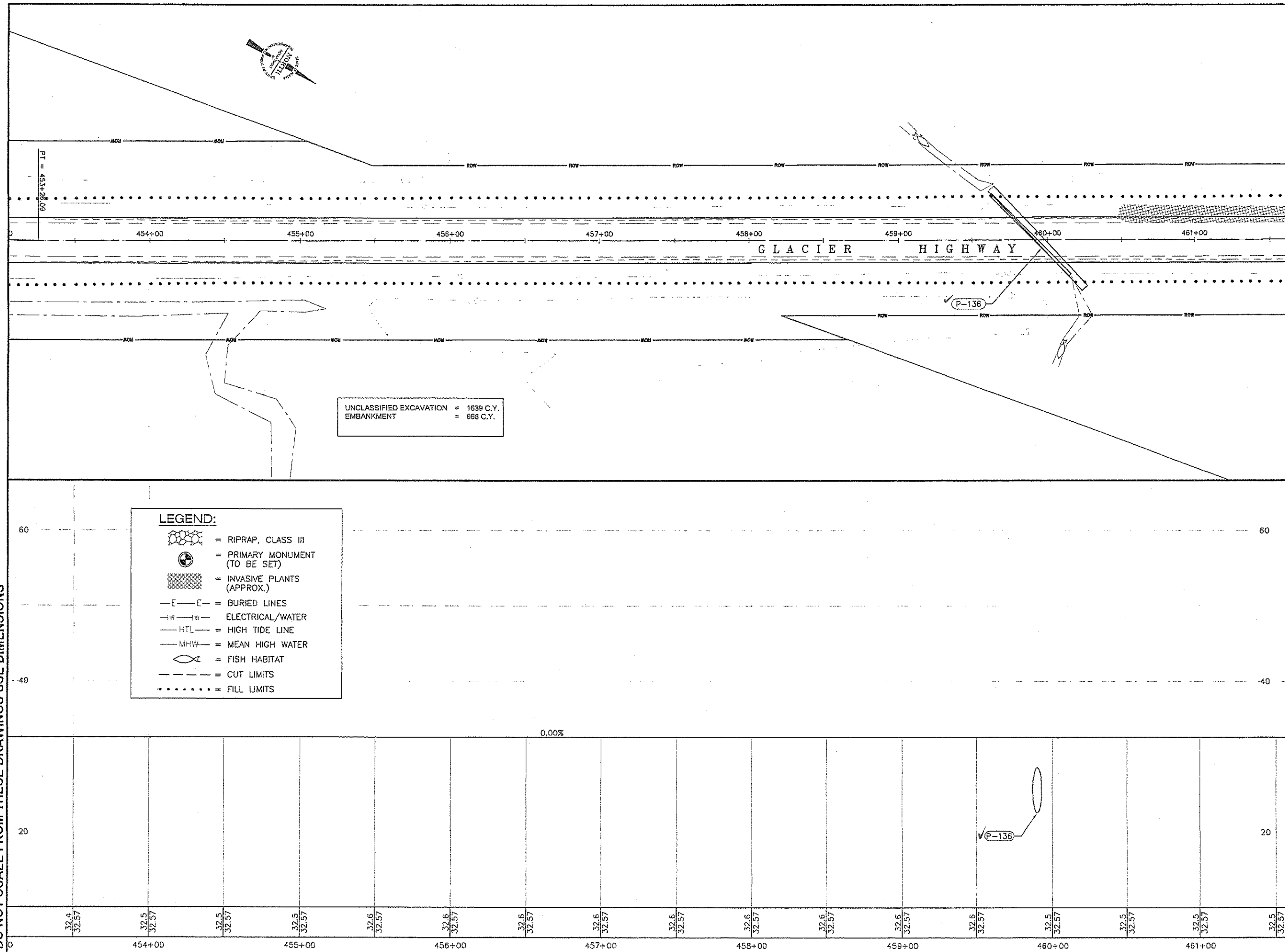
STP-093-3(27) ~ 68832

STATE	YEAR
ALASKA	2009

SHEET NUMBER	TOTAL SHEETS
F13	100

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS





PATH:Q:\JNU\165832\PLANSET\F_PLAN.DWG

STEVENS, DAVID A (DOT)
TAG: F14 Mon, 11 May 2009 - 9:44am

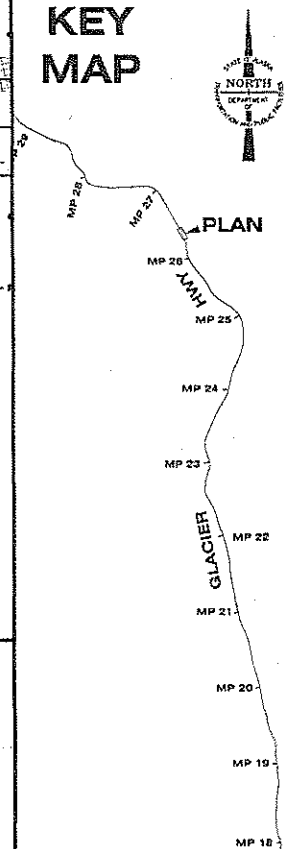
ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

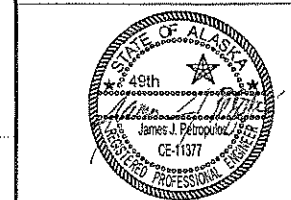
No.	DATE	DESCRIPTION

KEY MAP



PLAN LEGEND

CHECKED BY: C. Tripp



DESIGNED BY: J. Petropoulos

DRAWN BY: BENNET/PETROPULOS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD
TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

PLAN & PROFILE

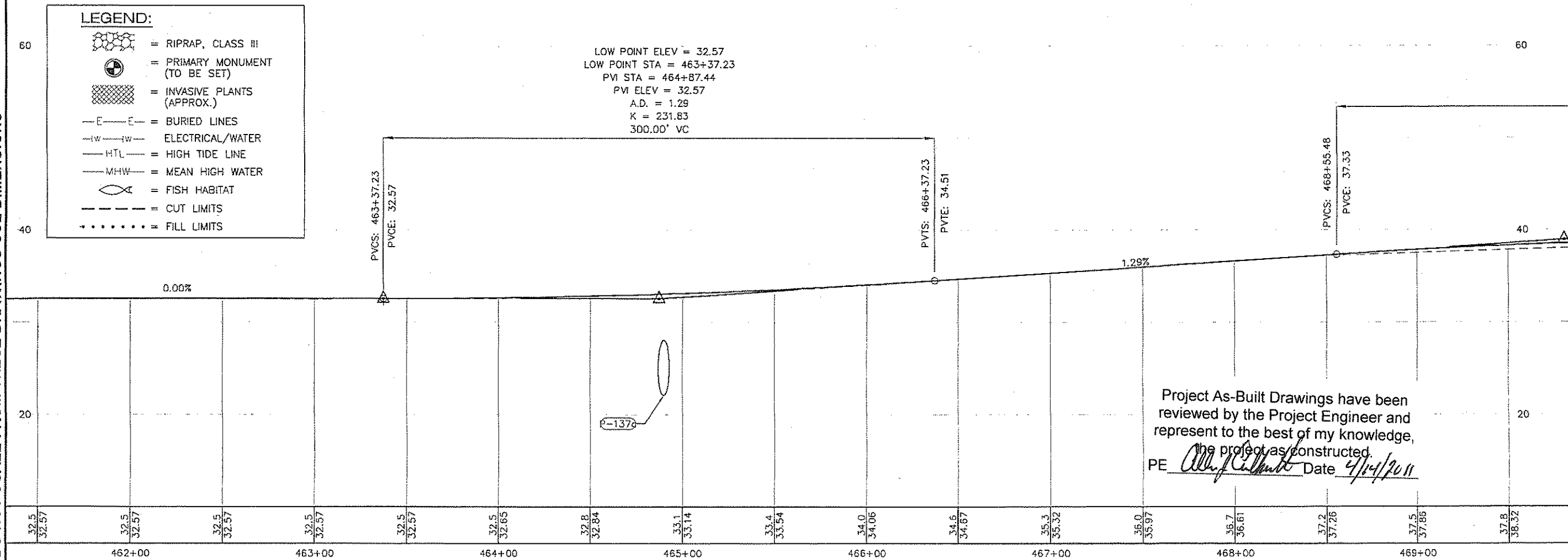
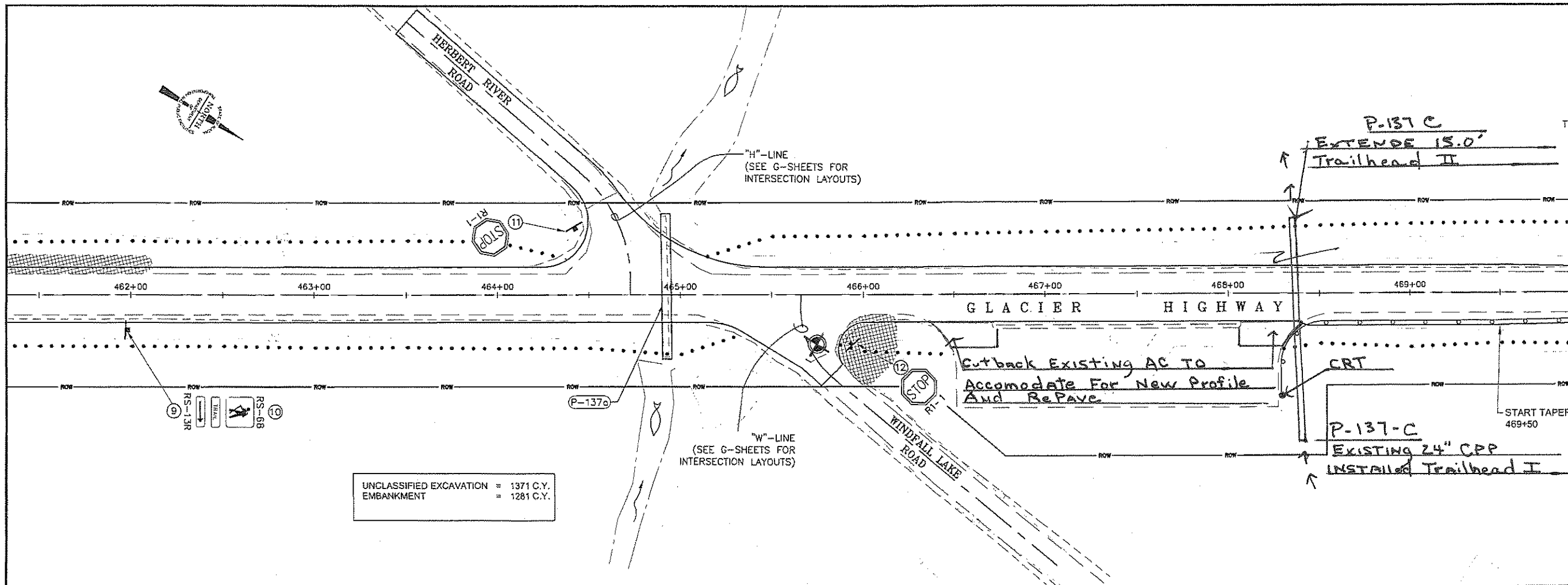
PROJECT DESIGNATION
STP-093-3(27) - 68832

STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
F14	100

STATE	YEAR
ALASKA	2009

SHEET NUMBER	TOTAL SHEETS
F14	100

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



PATH: Q:\JUNI68832\PLANSET\F_PLAN.DWG

STEVENS, DAVID A (DOT)
TAB: F15 Mon, 11 May 2009 - 9:45am

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

KEY MAP

PLAN

MP 26
MP 25
MP 24
MP 23
MP 22
MP 21
MP 20
MP 19
MP 18

GLACIER HIGHWAY

PLAN LEGEND

CHECKED BY: C. Tripp

DESIGNED BY: J. Petropoulos

DRAWN BY: BENNET/PETROPULOS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY & TRAILHEAD
STAGE II - AMALGA HARBOR ROAD
TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

PLAN & PROFILE

PROJECT DESIGNATION

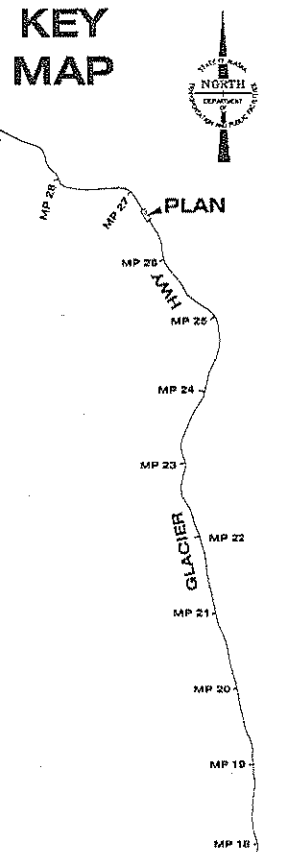
STP-093-3(27) ~ 68832

STATE	YEAR
ALASKA	2009

SHEET NUMBER	TOTAL SHEETS
F15	100

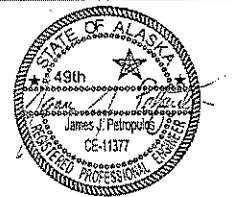
No.	DATE	DESCRIPTION

KEY MAP



PLAN LEGEND

CHECKED BY: C. Tripp



DESIGNED BY: J. Petropoulos

DRAWN BY: BENNETT/PETROPULOS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

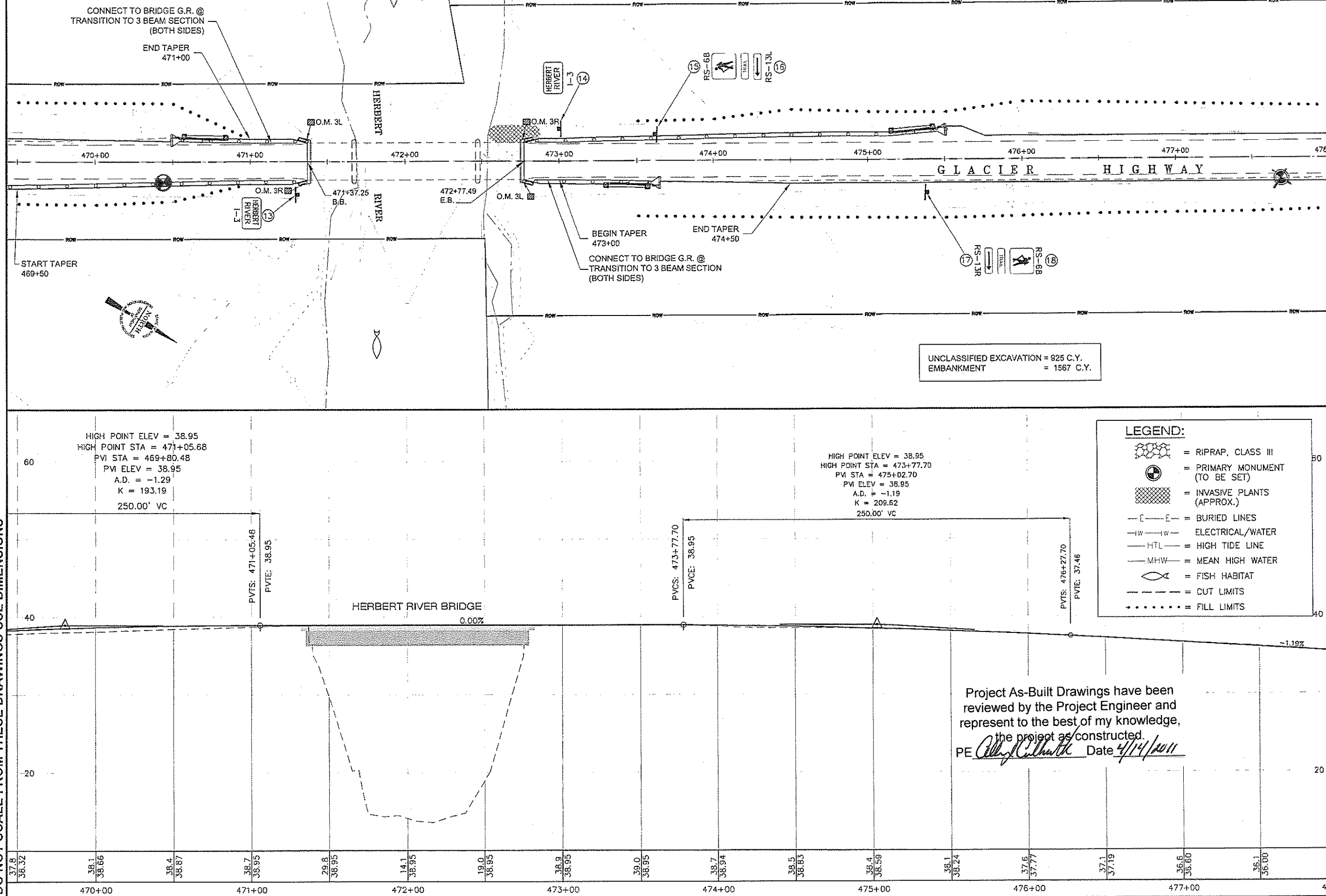
GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD
TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

PLAN & PROFILE

PROJECT DESIGNATION
STP-093-3(27) ~ 68832

STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
F16	100

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



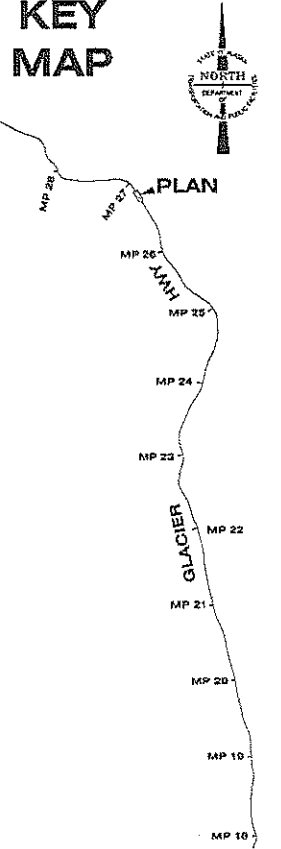
Project As-Built Drawings have been
reviewed by the Project Engineer and
represent to the best of my knowledge,
the project as constructed.
PE *Colby R. Smith* Date *4/14/2011*

STEVENS, DAVID A (DOT)
TAB: F17 Mon, 11 May 2009 - 9:45am
ADDENDUM NUMBER

ATTACHMENT NUMBER

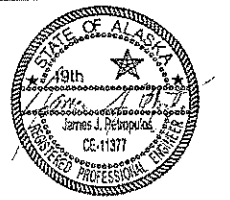
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION

KEY MAP



PLAN LEGEND

CHECKED BY: C. Tripp



DESIGNED BY: J. Petropoulos

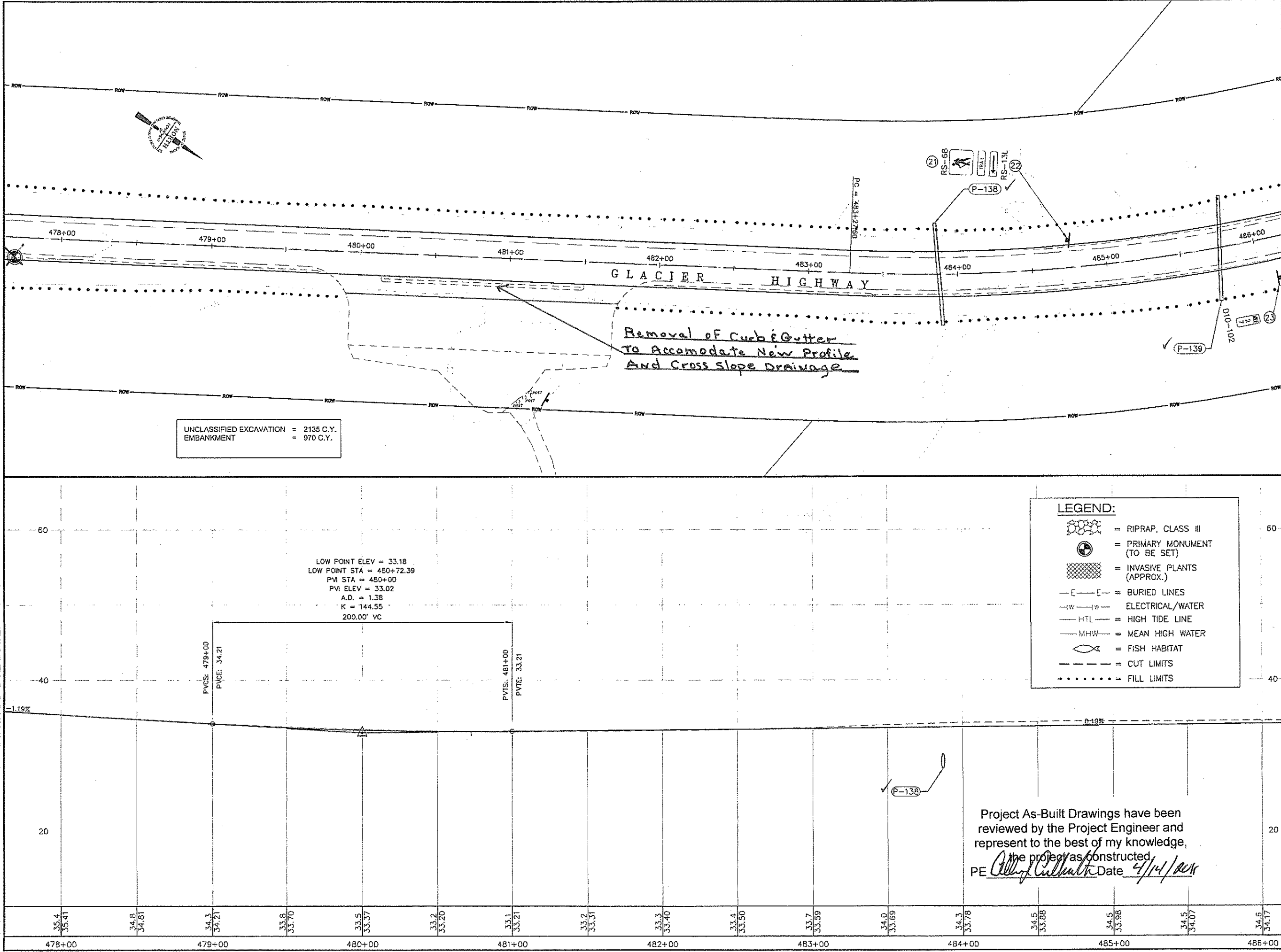
DRAWN BY: BENNETT/PETROPOULOS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION
GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD
TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

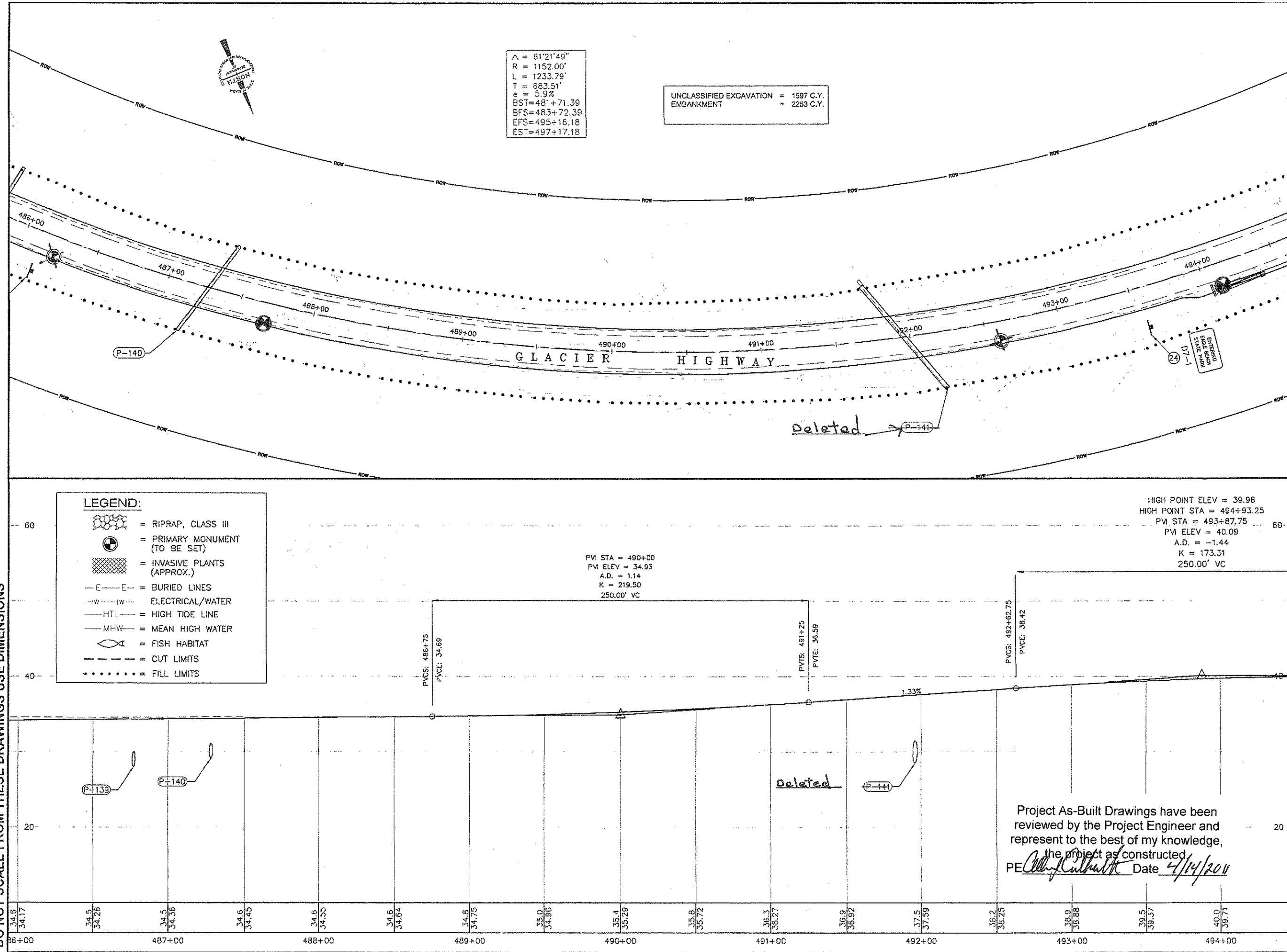
PLAN & PROFILE

PROJECT DESIGNATION
STP-093-3(27) ~ 68832

STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
F17	100



DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



$\Delta = 61'21'49''$
 $R = 1152.00'$
 $L = 1233.79'$
 $T = 683.51'$
 $e = 5.9\%$
BST=481+71.39
BFS=483+72.39
EFS=495+16.18
EST=497+17.18

UNCLASSIFIED EXCAVATION = 1597 C.Y.
EMBANKMENT = 2253 C.Y.

PATH:Q:\JUN08032\PLANSET\F_PLAN.DWG

STEVENS, DAVID A (DOT)
TAB: F18 Mon, 11 May 2009 - 9:45am

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

KEY MAP

PLAN

MP 28
MP 27
MP 26
MP 25
MP 24
MP 23
MP 22
MP 21
MP 20
MP 19
MP 18

GLACIER HIGHWAY

ASB 18

PLAN LEGEND

CHECKED BY: C. Tripp

DESIGNED BY: J. Petropoulos

DRAWN BY: BENNET/PETROPULOS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD
TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

PLAN & PROFILE

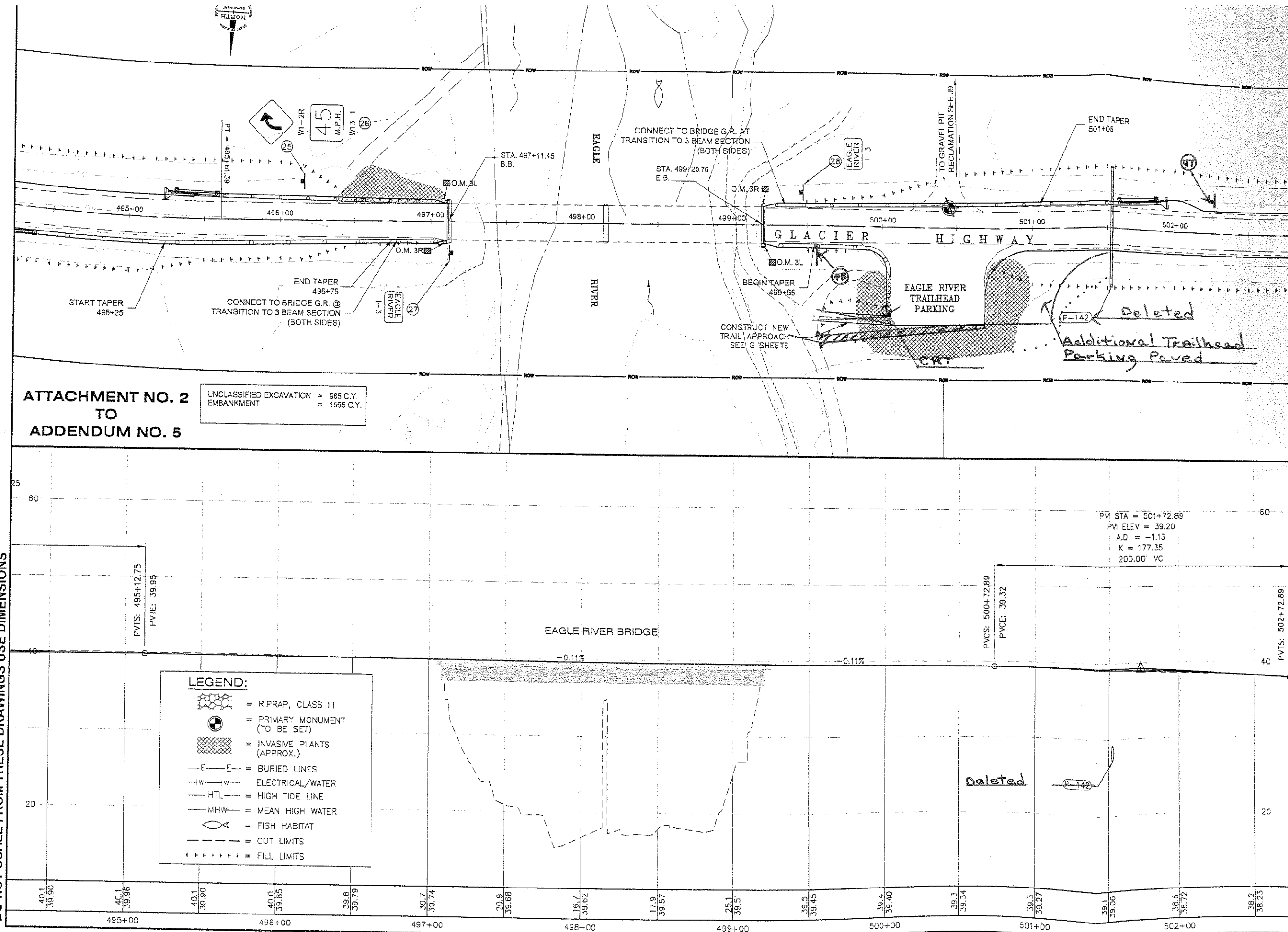
PROJECT DESIGNATION

STP-093-3(27) ~ 68832

STATE	YEAR
ALASKA	2009

SHEET NUMBER	TOTAL SHEETS
F18	100

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



CMTRIPP
TAB: F19 Wed, 17 Jun 2009 - 1:43pm

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION
-----	------	-------------

KEY MAP

PLAN

MP 28
MP 26
MP 24
MP 22
MP 20
MP 18

GLACIER HIGHWAY

PLAN LEGEND

CHECKED BY: C. Tripp

DESIGNED BY: J. Petropoulos

DRAWN BY: BENNETT/PETROPULOS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD
TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

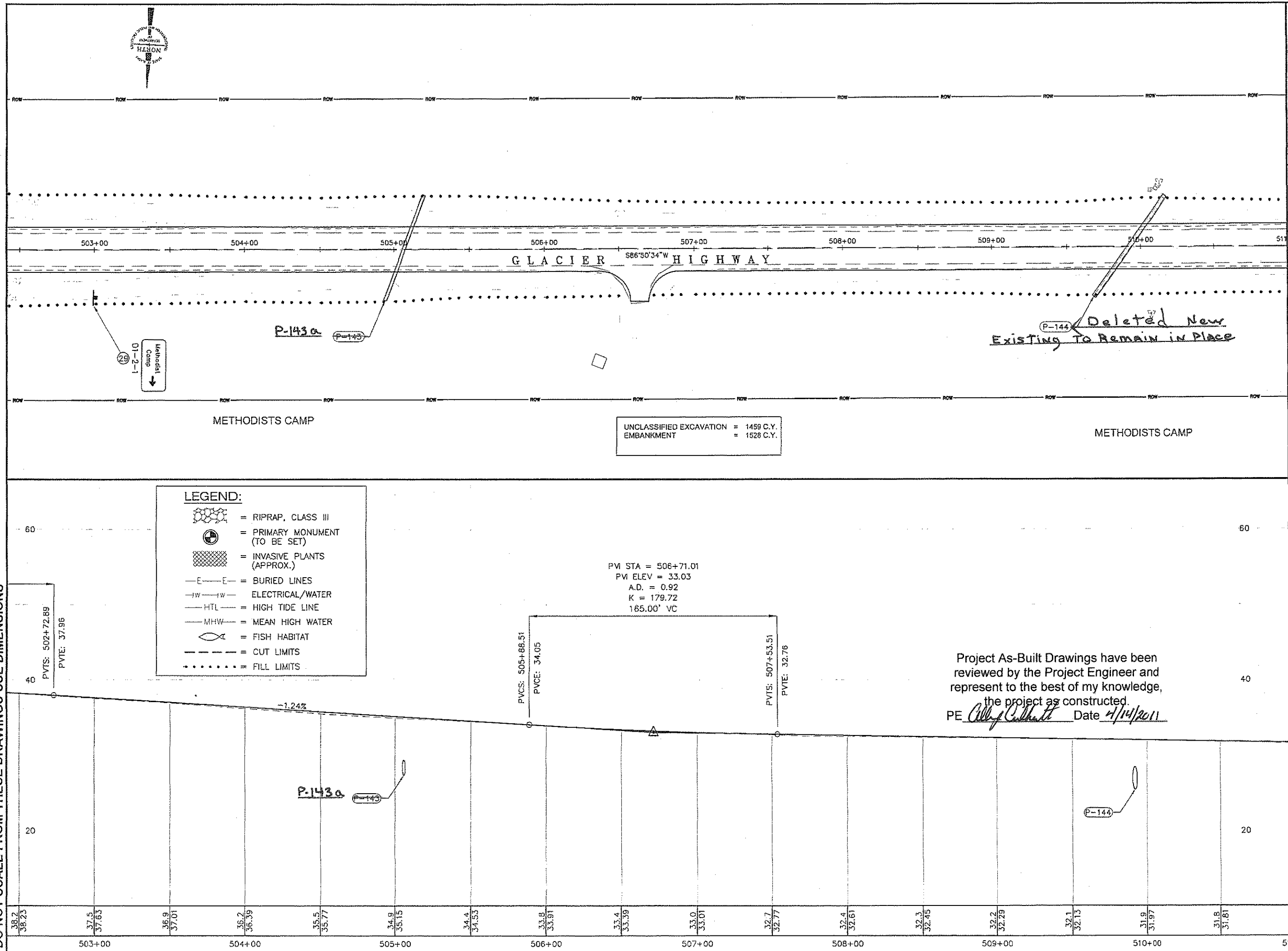
PLAN & PROFILE

PROJECT DESIGNATION
STP-093-3(27) ~ 68832

STATE	YEAR
ALASKA	2009

SHEET NUMBER	TOTAL SHEETS
F19	100

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



PATH: Q:\UN16832\PLANSET\F_PLAN.DWG

STEVENS, DAVID A (DOT)
TAB: F20 Mon, 11 May 2009 - 9:46am

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION
-----	------	-------------

KEY MAP

PLAN LEGEND

CHECKED BY: C. Tripp

DESIGNED BY: J. Petropoulos
DRAWN BY: BENNET/PETROPULOS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD
TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

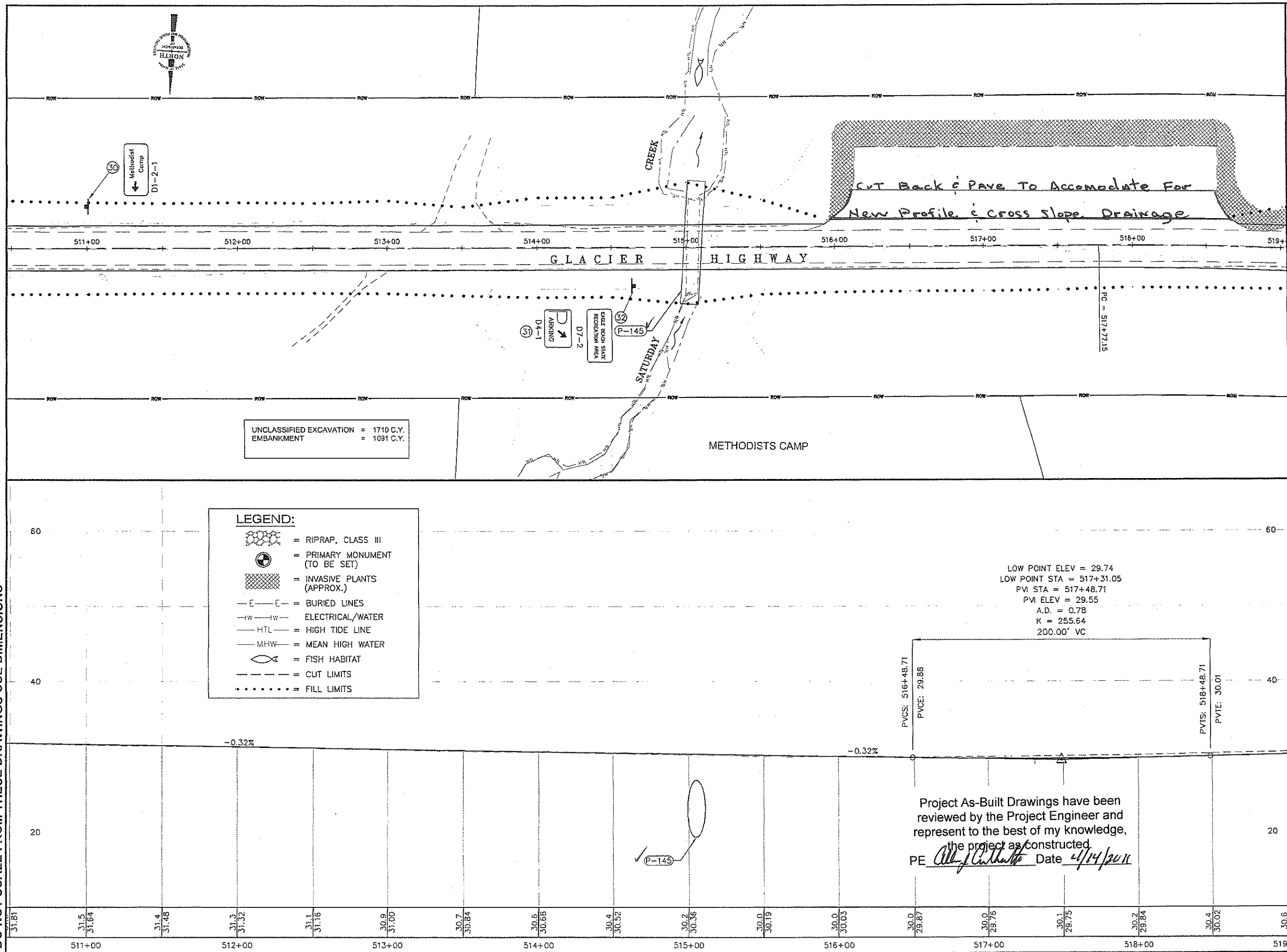
PLAN & PROFILE

PROJECT DESIGNATION
STP-093-3(27) ~ 68832

STATE	YEAR
ALASKA	2009

SHEET NUMBER	TOTAL SHEETS
F20	100

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



PATH: Q:\UNUI68832\PLANSET\F_PLAN.DWG

STEVENS, DAVID A (DOT)
TAB: F21 Mon, 11 May 2009 - 9:46am

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION
-----	------	-------------

KEY MAP

PLAN

MP 28
MP 27
MP 26
MP 25
MP 24
MP 23
MP 22
MP 21
MP 20
MP 19
MP 18

PLAN LEGEND

CHECKED BY: C. Tripp

DESIGNED BY: J. Petropoulos

DRAWN BY: BENNET/PETROPOULOS

STATE OF ALASKA
49th
JAMES J. PETROPOULOS
CE-11377
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY & TRAILHEAD
STAGE II - AMALGA HARBOR ROAD
TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

PLAN & PROFILE

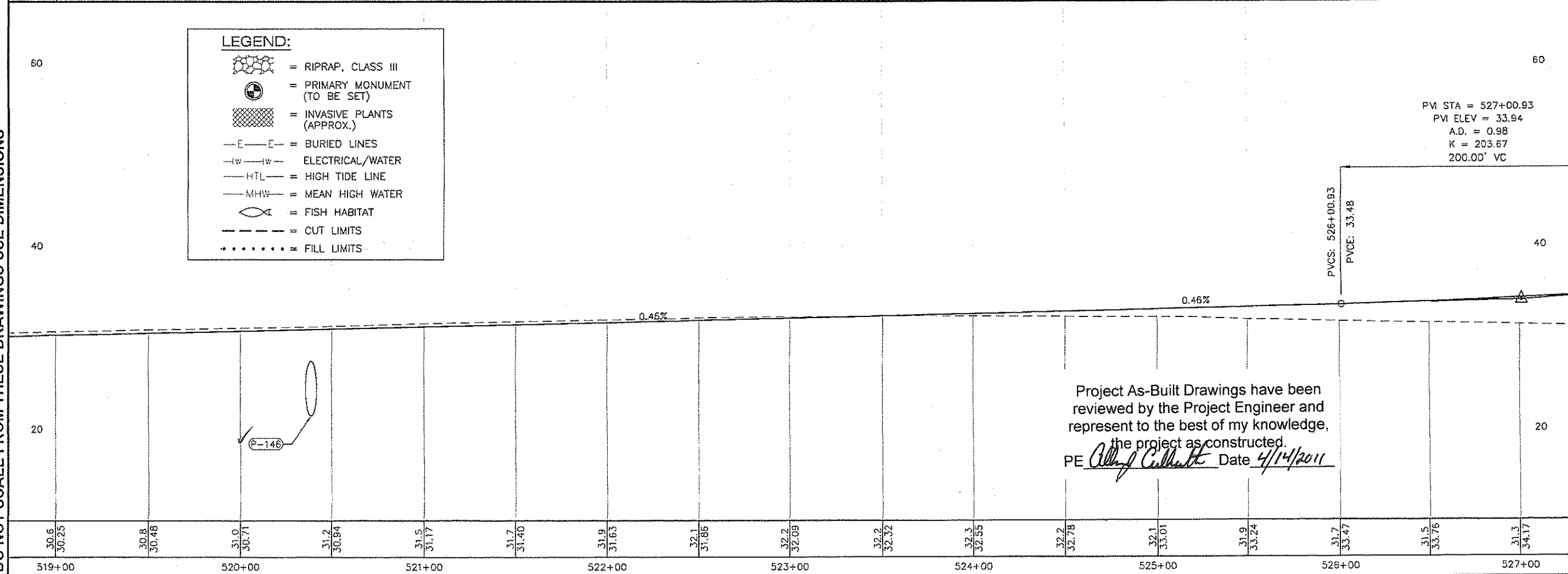
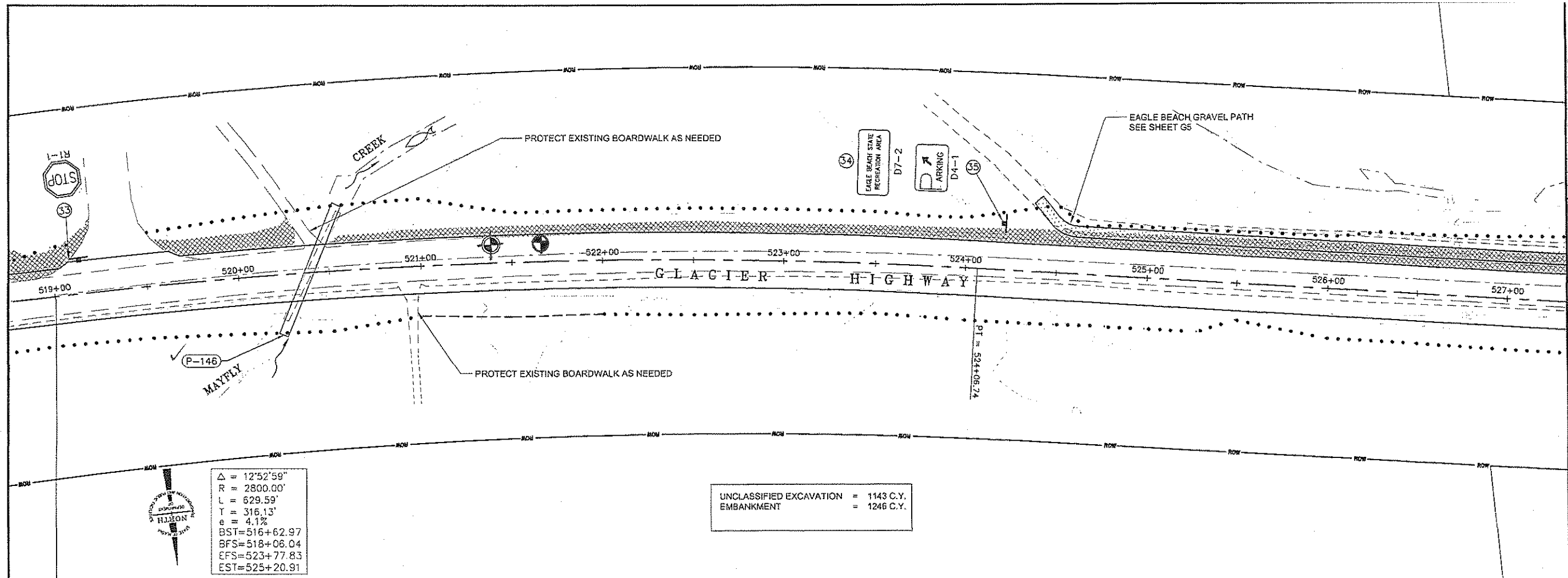
PROJECT DESIGNATION

STP-093-3(27) ~ 68832

STATE	YEAR
ALASKA	2009

SHEET NUMBER	TOTAL SHEETS
F21	100

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



PATH: Q:\JUNI68832\PLANSET\F_PLAN.DWG

STEVENS, DAVID A (DOT)
TAB: F22 Mon, 11 May 2009 - 9:47am

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION
-----	------	-------------

KEY MAP

PLAN

MP 25
MP 24
MP 23
MP 22
MP 21
MP 20
MP 19
MP 18

GLACIER

PLAN LEGEND

CHECKED BY: C. Tripp

DESIGNED BY: J. Petropoulos

DRAWN BY: BENNET/PETROPULOS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD
TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

PLAN & PROFILE

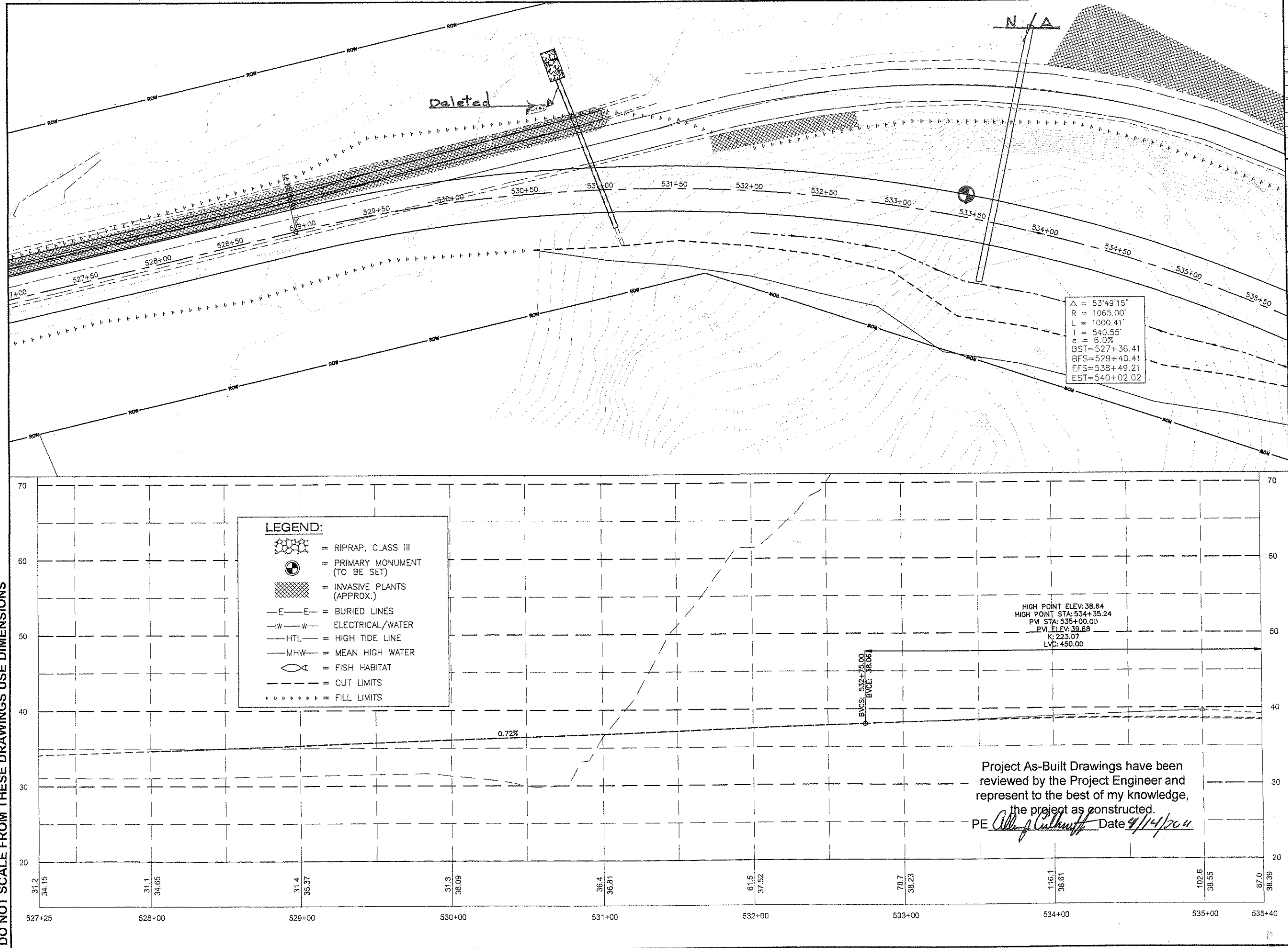
PROJECT DESIGNATION

STP-093-3(27) ~ 68832

STATE	YEAR
ALASKA	2009

SHEET NUMBER	TOTAL SHEETS
F22	100

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



PATH: C:\DOCUMENTS AND SETTINGS\TDFAGNANT\DESKTOP\68832\528 CURVE3_RECOVER.DWG

FAGNANT, THOMAS D (DOT)

TAB: F23 Tue, 27 Jul 2010 - 11:16am

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION
-----	------	-------------

KEY MAP

PLAN

MP 28

MP 27

MP 26

MP 25

MP 24

MP 23

MP 22

MP 21

MP 20

MP 19

MP 18

GLACIER

LEGEND:

- RIPRAP, CLASS III
- PRIMARY MONUMENT (TO BE SET)
- INVASIVE PLANTS (APPROX.)
- BURIED LINES
- ELECTRICAL/WATER
- HTL = HIGH TIDE LINE
- MHW = MEAN HIGH WATER
- FISH HABITAT
- CUT LIMITS
- FILL LIMITS

HIGH POINT ELEV: 38.64

HIGH POINT STA: 534+35.24

PVI STA: 535+00.00

PVI ELEV: 39.88

K: 223.07

LVC: 450.00

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

PE *Charles M. Tripp* Date *4/14/2011*

CHECKED BY: C. TRIPP

DESIGNED BY: T. FAGNANT

DRAWN BY: T. FAGNANT

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

PLAN & PROFILE

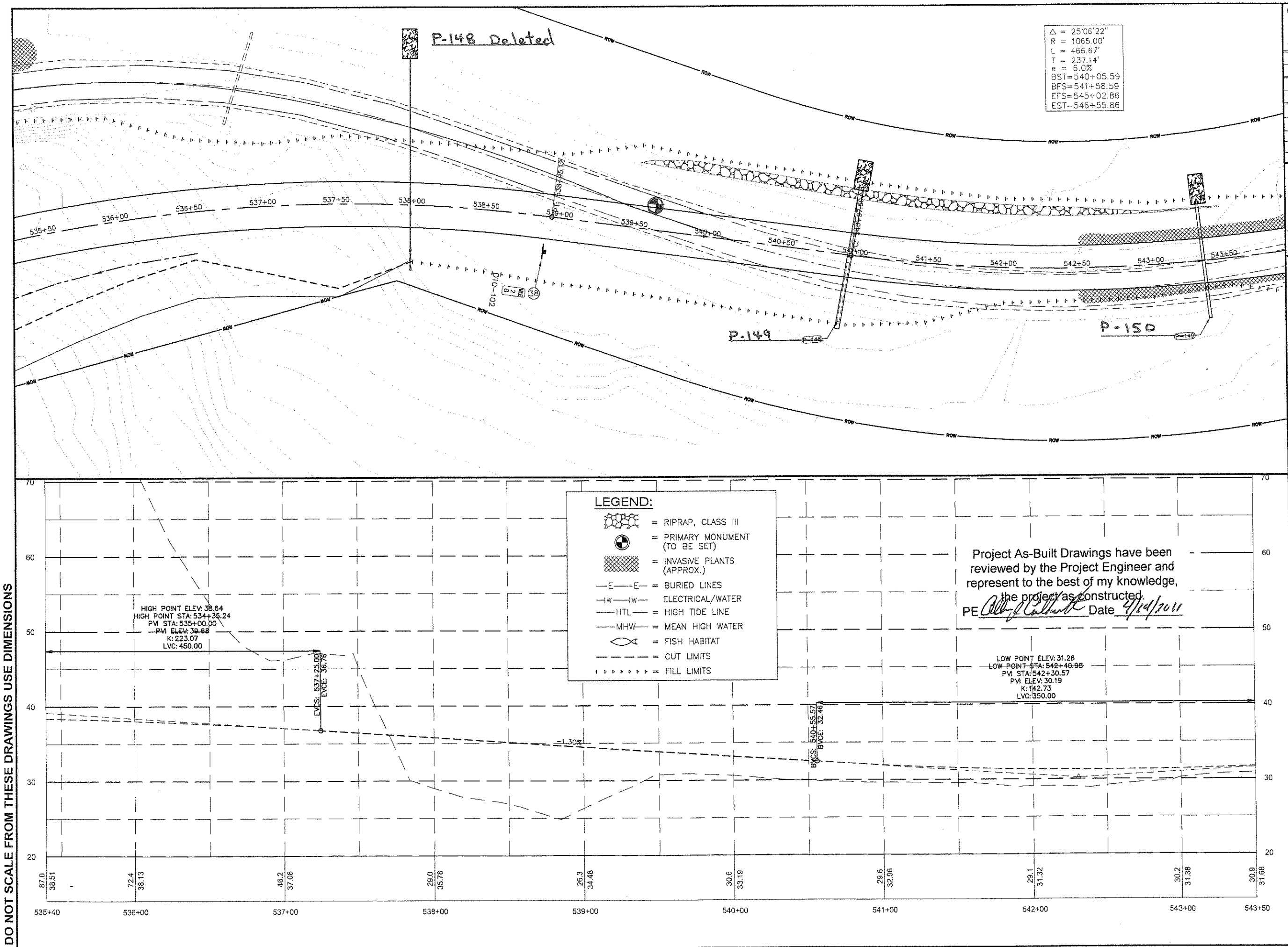
PROJECT DESIGNATION

STP-093-3(27) ~ 68832

STATE	YEAR
ALASKA	2009

SHEET NUMBER	TOTAL SHEETS
F23A	100

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



Δ = 25°06'22"
R = 1065.00'
L = 466.67'
T = 237.14'
e = 6.0%
BFS = 540+05.59
BFS = 541+58.59
EFS = 545+02.86
EST = 546+55.86

P-148 Deleted

P-149

P-150

PATH: C:\DOCUMENTS AND SETTINGS\TDFAGNANT\DESKTOP\68832\528 CURVE3_RECOVER.DWG

FAGNANT, THOMAS D (DOT)

TAB: F24 Tue, 27 Jul 2010 - 11:17am

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION
-----	------	-------------

KEY MAP

PLAN

PLAN LEGEND

CHECKED BY: C. TRIPP

DESIGNED BY: T. FAGNANT

DRAWN BY: T. FAGNANT

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

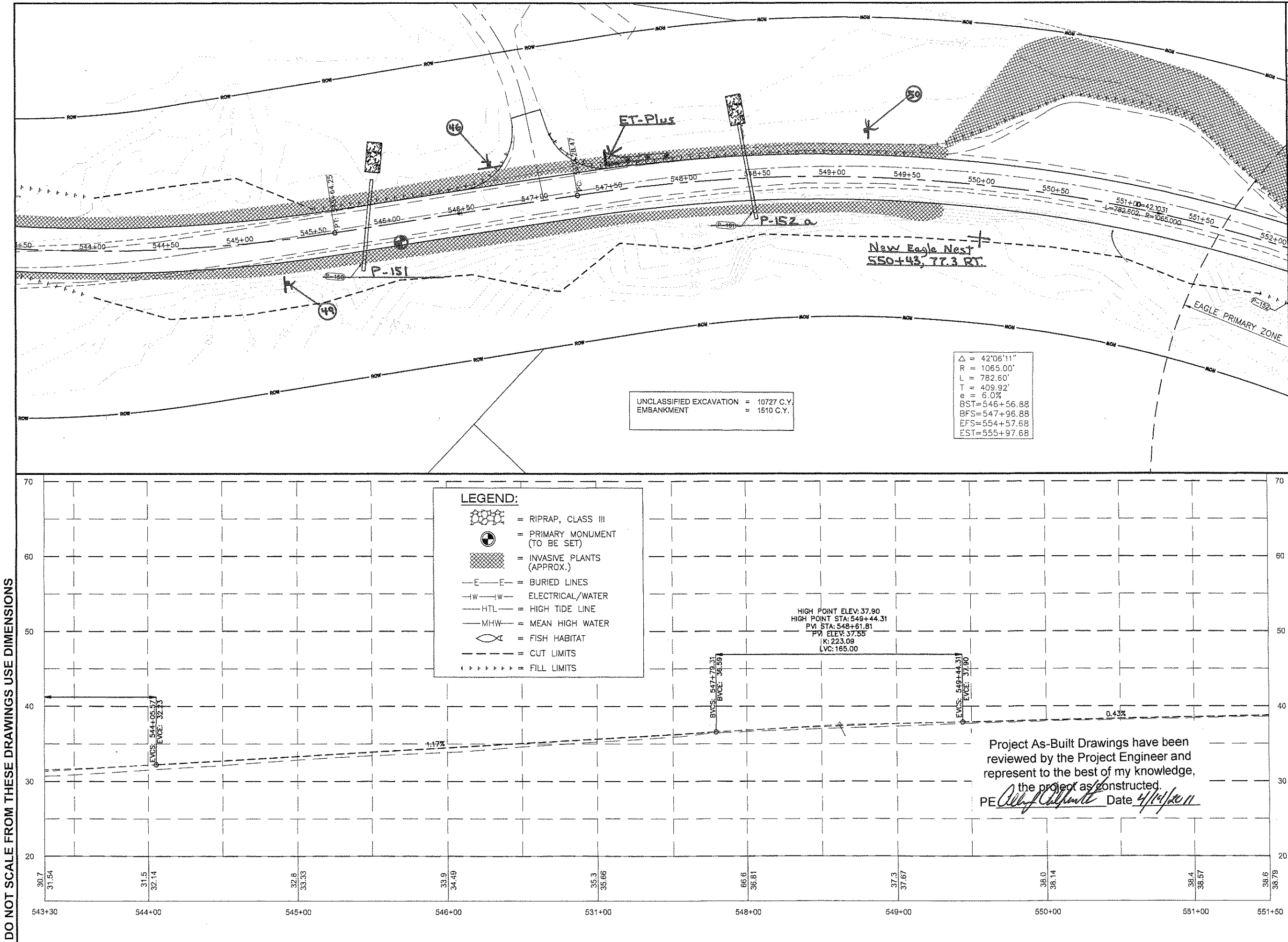
PLAN & PROFILE

PROJECT DESIGNATION

STP-093-3(27) ~ 68832

STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
F24A	100

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



PATH: C:\DOCUMENTS AND SETTINGS\TDFAGNANT\DESKTOP\68832\528 CURVE3_RECOVER.DWG

FAGNANT, THOMAS D (DOT)

TAB: F25 Wed, 28 Jul 2010 - 2:09pm

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION
-----	------	-------------

KEY MAP

PLAN LEGEND

CHECKED BY: C. TRIPP

DESIGNED BY: T. FAGNANT

DRAWN BY: T. FAGNANT

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY & TRAILHEAD
STAGE II - AMALGA HARBOR ROAD
TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

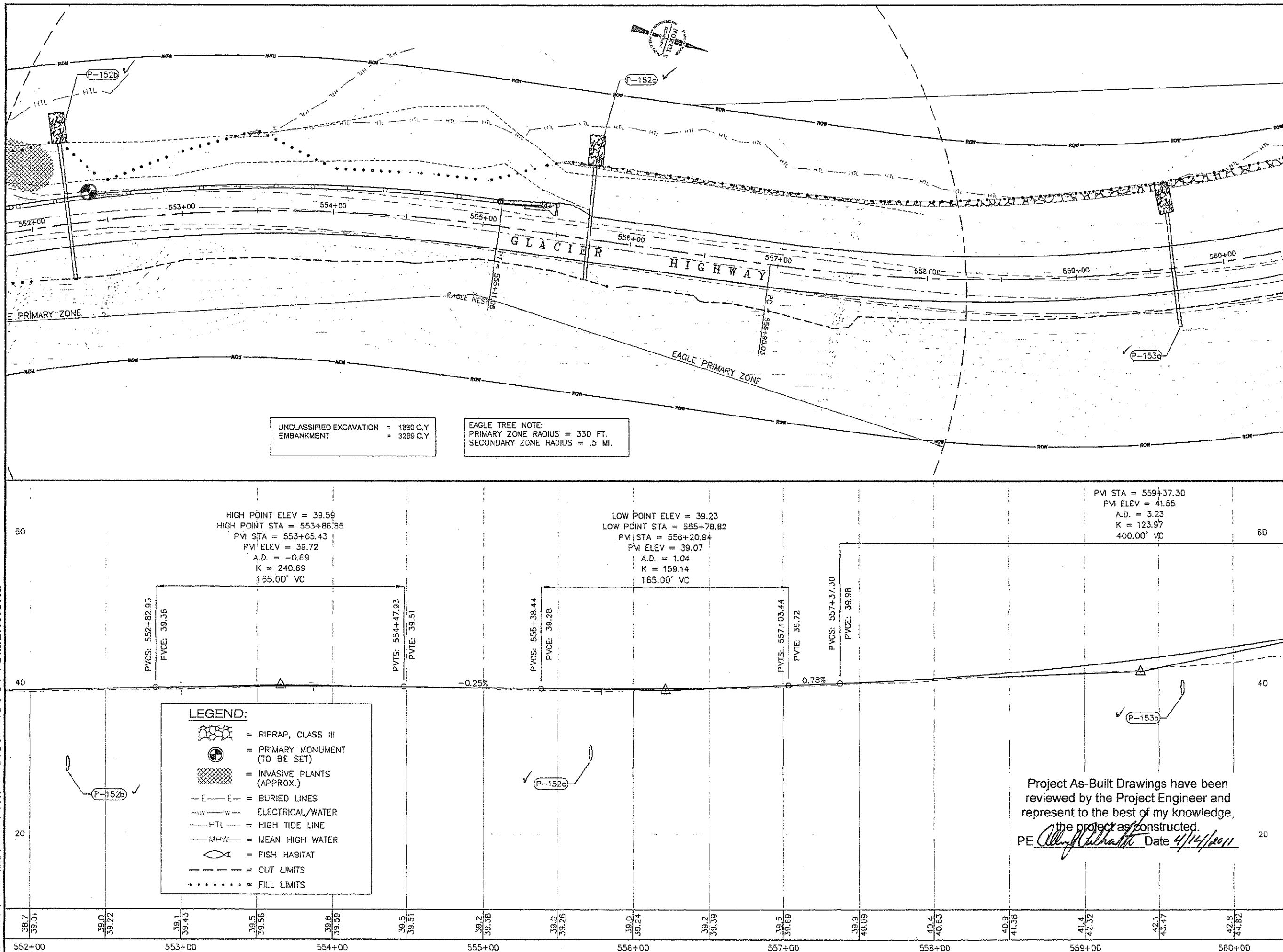
PLAN & PROFILE

PROJECT DESIGNATION

STP-093-3(27) ~ 68832

STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
F25A	100

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



PATH: Q:\JUNI68832\PLANSET\F_PLAN.DWG

STEVENSON, DAVID A (DOT)
TAB: F26 Mon, 11 May 2009 - 9:48am

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION
-----	------	-------------

KEY MAP

PLAN

GLACIER HIGHWAY

MP 28
MP 27
MP 26
MP 25
MP 24
MP 23
MP 22
MP 21
MP 20
MP 19
MP 18

PLAN LEGEND

CHECKED BY: C. Tripp

DESIGNED BY: J. Petropoulos

DRAWN BY: BENNETT/PETROPULOS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY & TRAILHEAD
STAGE II - AMALGA HARBOR ROAD
TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE *Ally Culhane* Date 4/14/2011

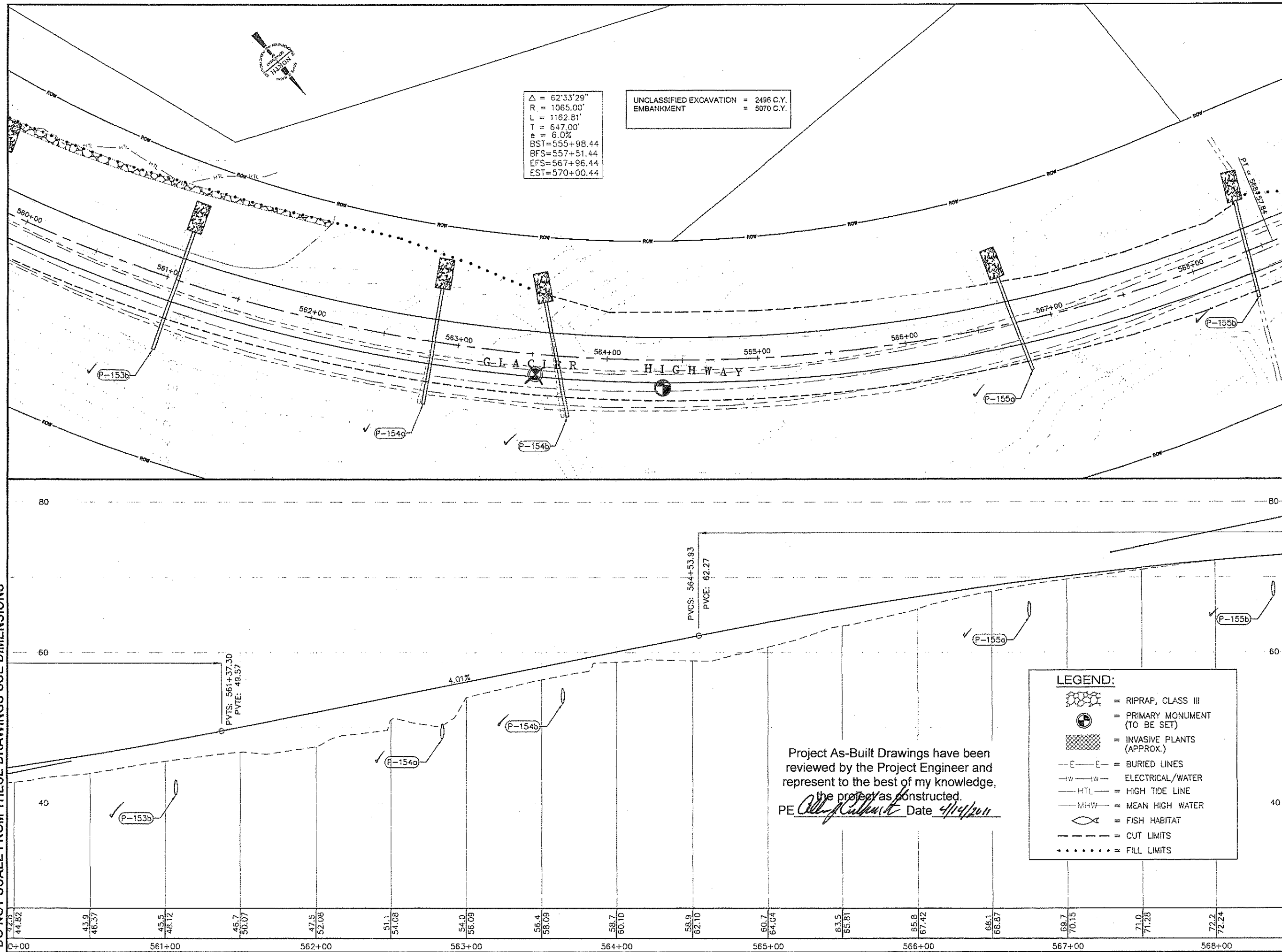
PLAN & PROFILE

PROJECT DESIGNATION
STP-093-3(27) ~ 68832

STATE	YEAR
ALASKA	2009

SHEET NUMBER	TOTAL SHEETS
F26	100

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



PATH: Q:\JUN158832\PLANSET\F_PLAN.DWG

STEVENSON, DAVID A (DOT)
TAB: F27 Mon, 11 May 2009 - 9:49am

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

KEY MAP

PLAN

MP 28
MP 27
MP 26
MP 25
MP 24
MP 23
GLACIER
MP 22
MP 21
MP 20
MP 19
MP 18

PLAN LEGEND

CHECKED BY: C. Tripp

DESIGNED BY: J. Petropoulos

DRAWN BY: BENNETT/PETROPOULOS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY & TRAILHEAD
STAGE II - AMALGA HARBOR ROAD TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

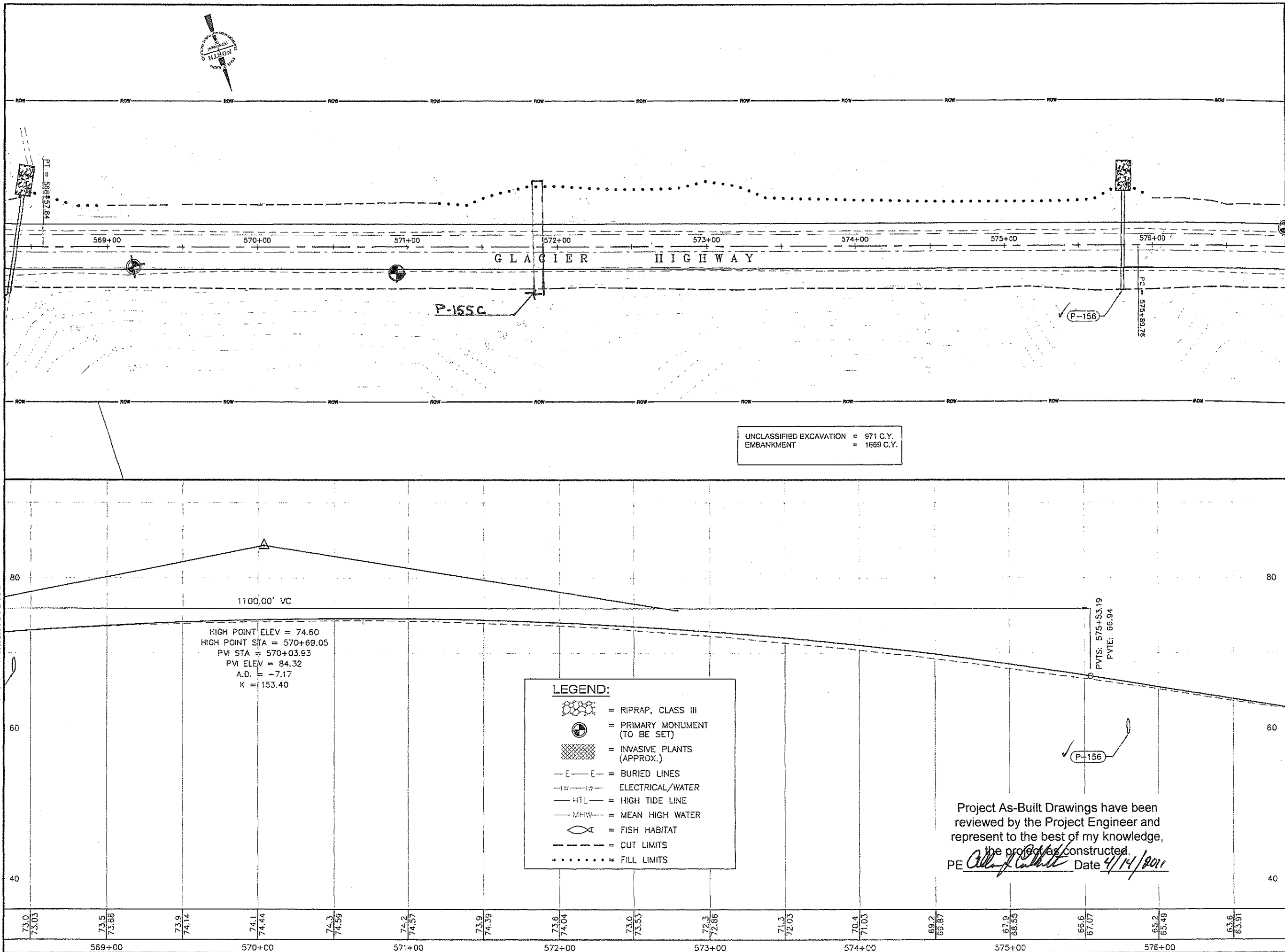
PLAN & PROFILE

PROJECT DESIGNATION
STP-093-3(27) ~ 68832

STATE	YEAR
ALASKA	2009

SHEET NUMBER	TOTAL SHEETS
F27	100

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



PATH: Q:\UNU68832\PLANSET\F_PLAN.DWG

STEVENS, DAVID A. (DOT)
TAB: F28 Mon, 11 May 2009 - 9:49am

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

KEY MAP

PLAN

MP 28
MP 27
MP 26
MP 25
MP 24
MP 23
GLACIER
MP 22
MP 21
MP 20
MP 19
MP 18

PLAN LEGEND

CHECKED BY: C. Tripp

DESIGNED BY: J. Petropoulos

DRAWN BY: BENNET/PETROPULOS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD
TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

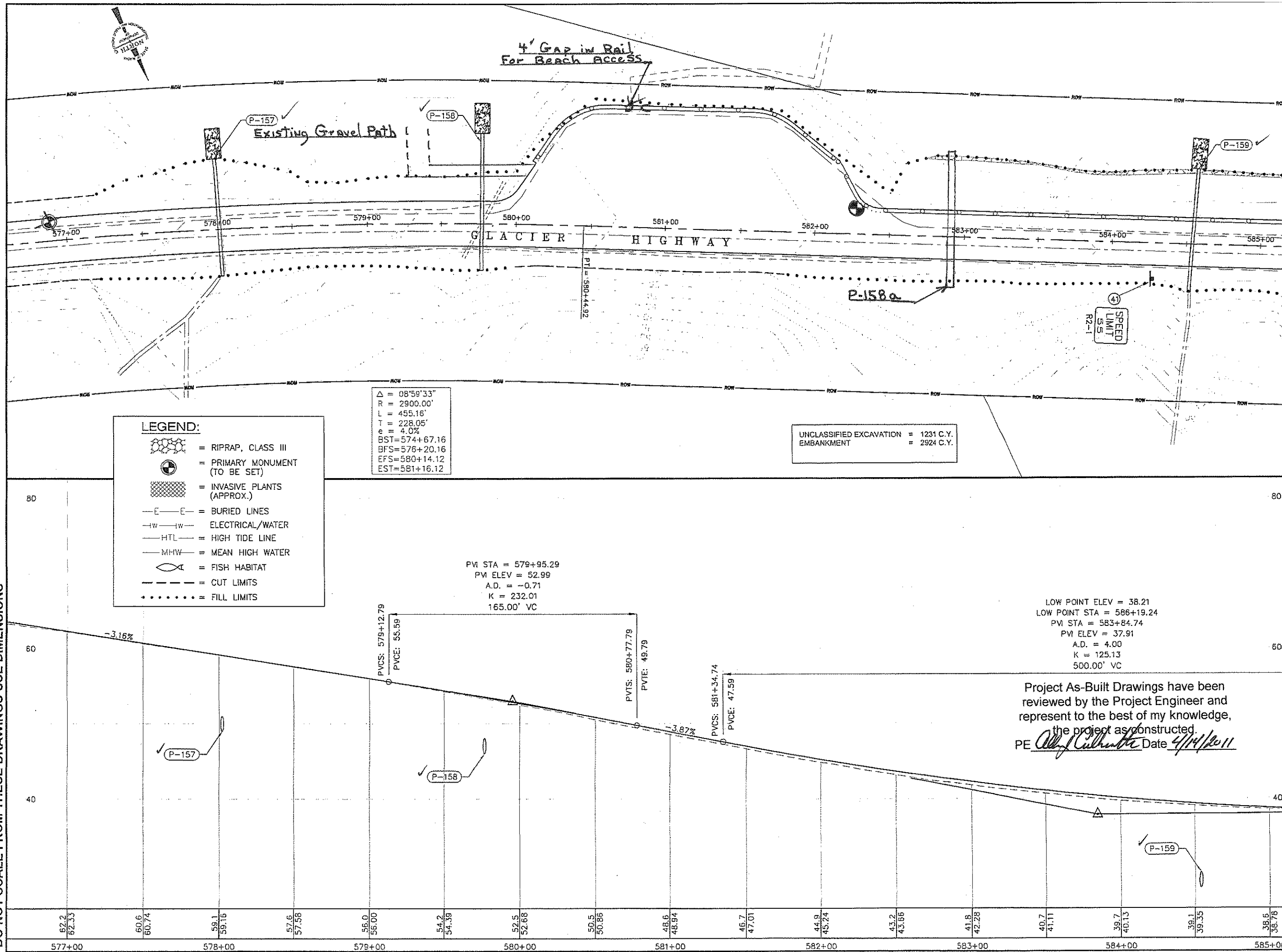
PLAN & PROFILE

PROJECT DESIGNATION
STP-093-3(27) ~ 68832

STATE	YEAR
ALASKA	2009

SHEET NUMBER	TOTAL SHEETS
F28	100

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



PATH: Q:\JUNI68832\PLANSET\F_PLAN.DWG

STEVENS, DAVID A (DOT)
TAB: F29 Mon, 11 May 2009 9:50am

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION
-----	------	-------------

KEY MAP

PLAN

GLACIER HIGHWAY

MP 26
MP 25
MP 24
MP 23
MP 22
MP 21
MP 20
MP 19
MP 18

PLAN LEGEND

CHECKED BY: C. Tripp

DESIGNED BY: J. Petropoulos

DRAWN BY: BENNETT/PETROPOULOS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD
TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

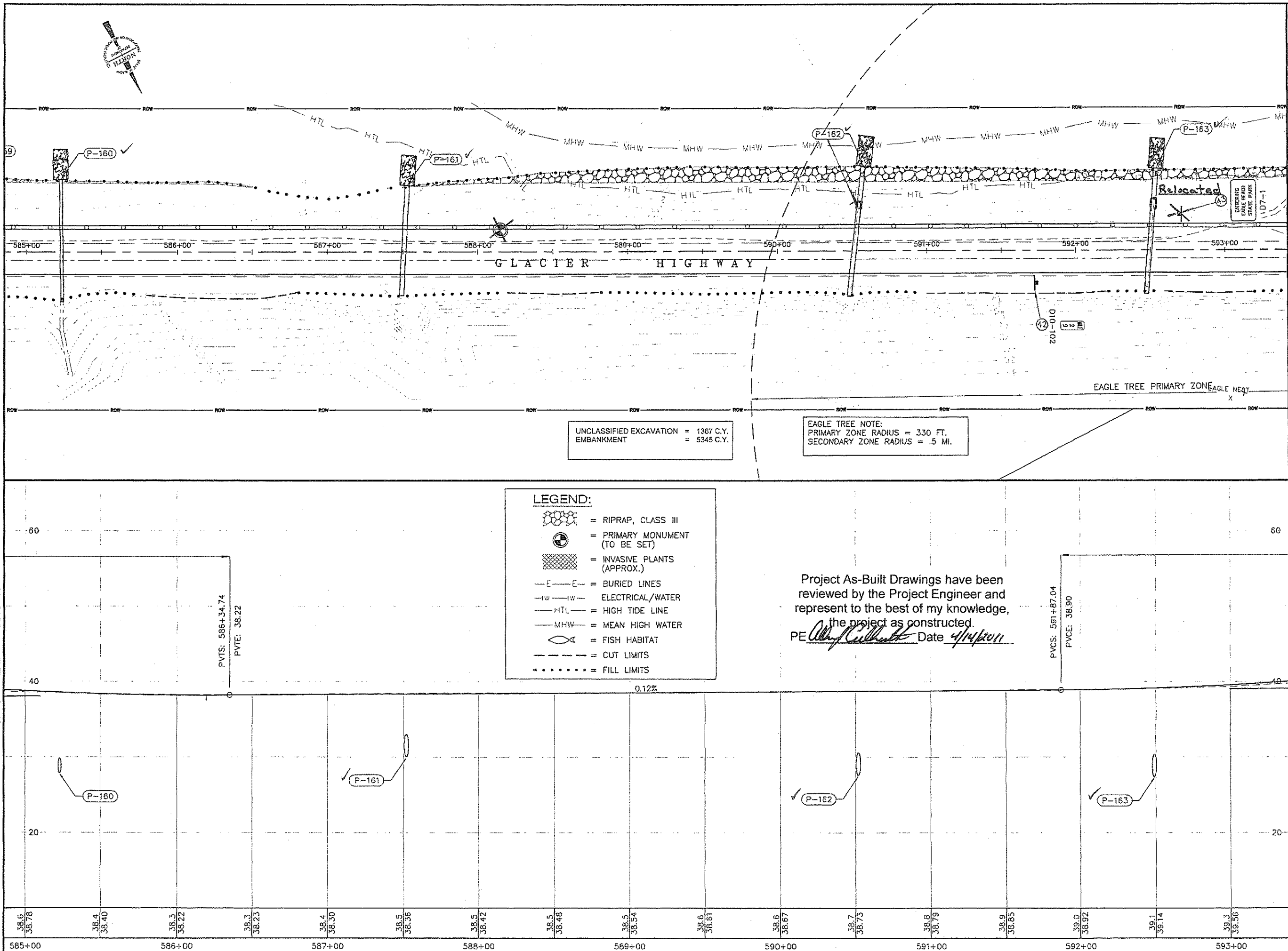
PLAN & PROFILE

PROJECT DESIGNATION
STP-093-3(27) ~ 68832

STATE	YEAR
ALASKA	2009

SHEET NUMBER	TOTAL SHEETS
F29	100

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



PATH: Q:\UNU168832\PLANSET\F_PLAN.DWG

STEVENS, DAVID A (DOT)
TAB: F30 Mon, 11 May 2009 - 9:50am

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION
-----	------	-------------

KEY MAP
PLAN

CHECKED BY: C. Tripp

DESIGNED BY: J. Petropoulos

DRAWN BY: BENNET/PETROPULOS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD
TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

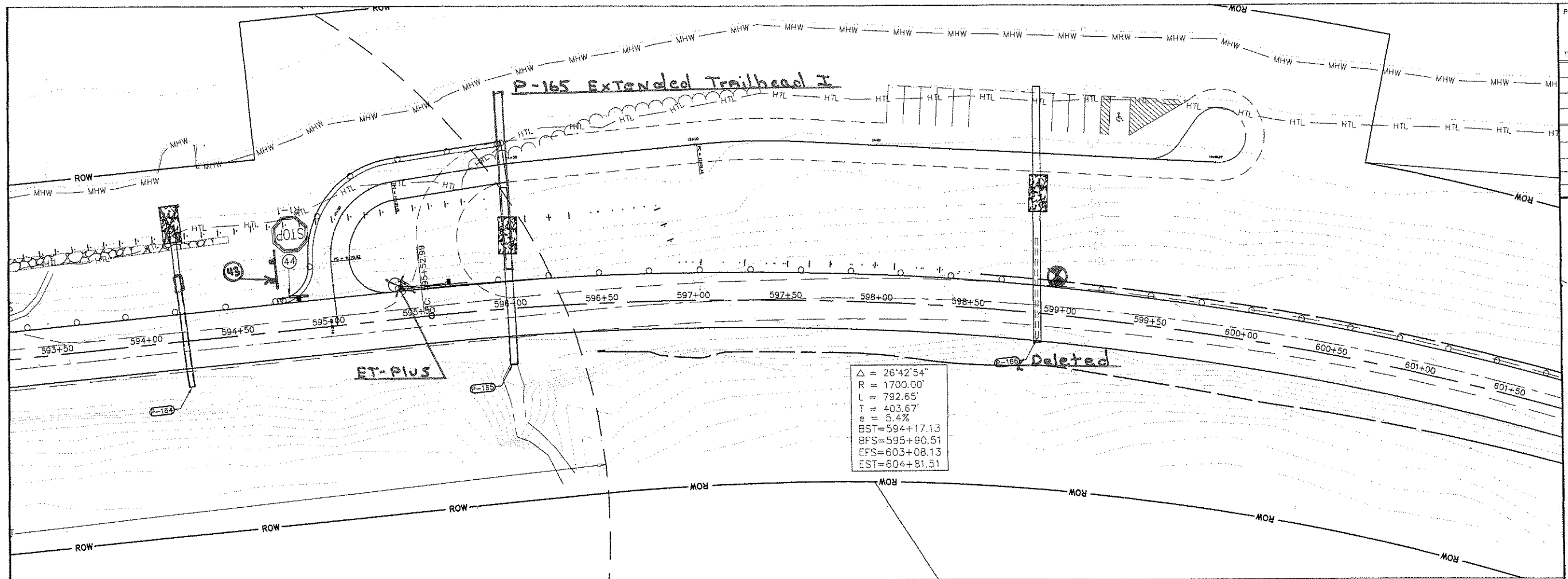
PLAN & PROFILE

PROJECT DESIGNATION
STP-093-3(27) ~ 68832

STATE	YEAR
ALASKA	2009

SHEET NUMBER	TOTAL SHEETS
F30	100

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



HIGH PT STA: 599+68.70
HIGH PT ELEV: 60.31
PVI STA: 598+86.20
PVI ELEV: 57.35
K: 679.40
LVC: 165'

LOW PT STA: 591+87.04
LOW PT ELEV: 38.90
PVI STA: 594+12.04
PVI ELEV: 39.18
K: 121.33
LVC: 450'

EVCS: 596+37.04
EVCE: 47.80

BVCS: 598+86.20
BVCE: 54.19

EVCS: 599+68.70
EVCE: 60.31

3.83%

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 M. Tripp* Date *4/14/2011*

LEGEND:

- = RIPRAP, CLASS III
- = PRIMARY MONUMENT (TO BE SET)
- = INVASIVE PLANTS (APPROX.)
- = BURIED LINES
- = ELECTRICAL/WATER
- = HIGH TIDE LINE
- = MEAN HIGH WATER
- = FISH HABITAT
- = CUT LIMITS
- = FILL LIMITS

PATH: C:\DOCUMENTS AND SETTINGS\TDFAGNANT\DESKTOP\68832\F SHEETS.DWG

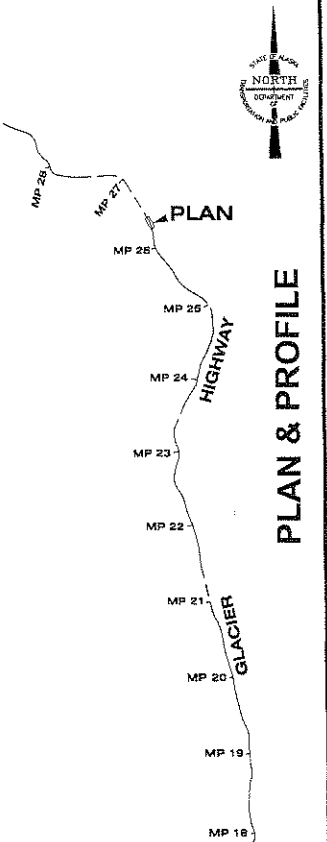
FAGNANT, THOMAS D (DOT)
TAB: F31 Tue, 27 Jul 2010 - 11:54am

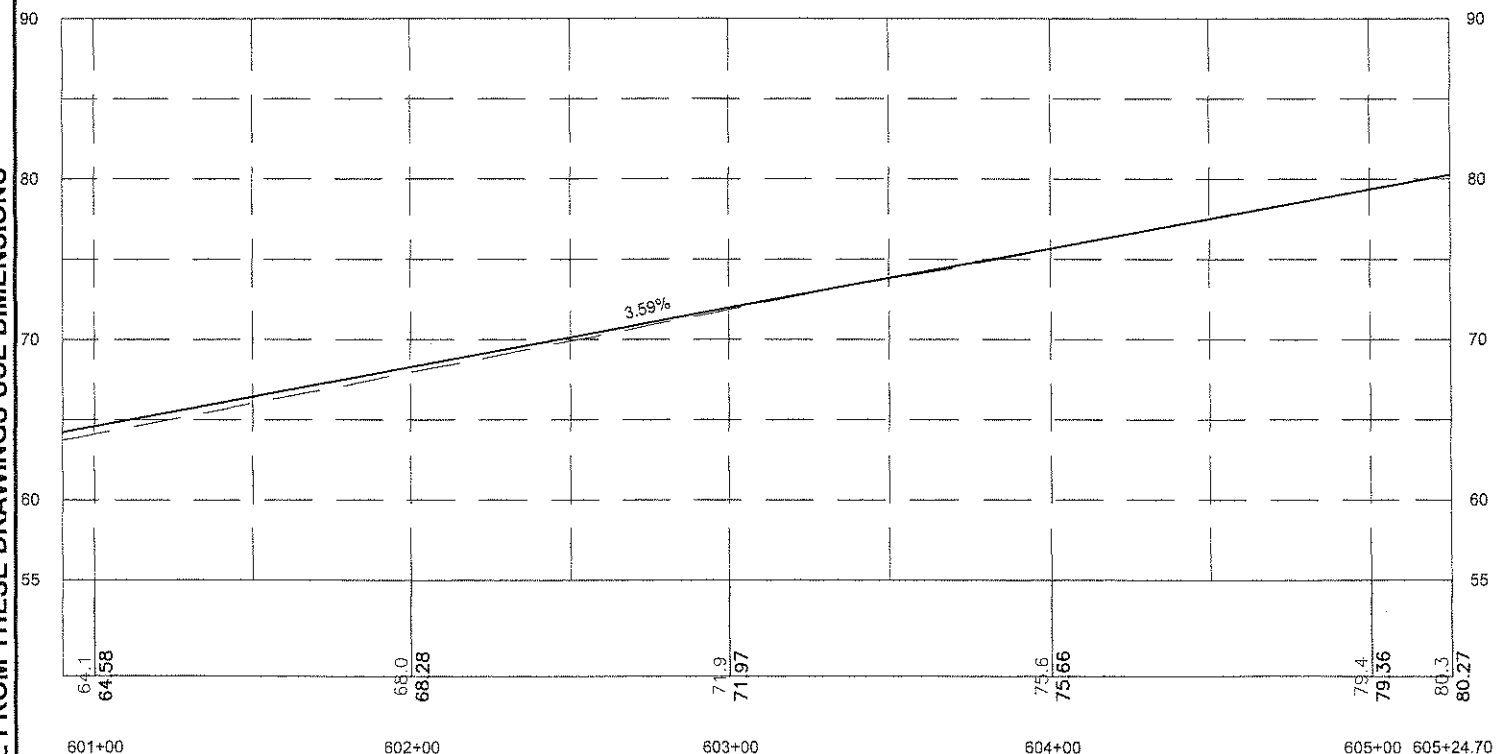
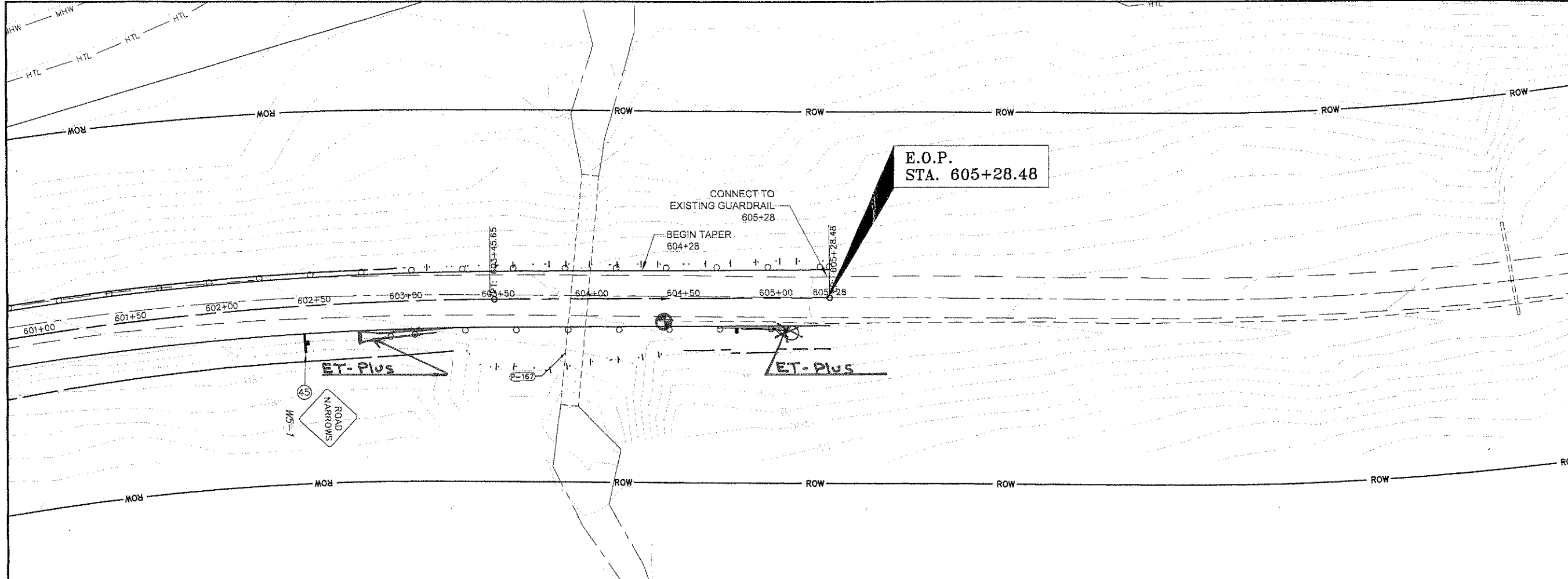
ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION





- LEGEND:**
- = RIPRAP, CLASS III
 - = PRIMARY MONUMENT (TO BE SET)
 - = INVASIVE PLANTS (APPROX.)
 - = BURIED LINES
 - = ELECTRICAL/WATER
 - = HTL = HIGH TIDE LINE
 - = MHW = MEAN HIGH WATER
 - = FISH HABITAT
 - = CUT LIMITS
 - = FILL LIMITS

PATH: C:\DOCUMENTS AND SETTINGS\TDFAGNANT\DESKTOP\168832\F SHEETS.DWG
 Fagnant, Thomas D (DOT)
 TAB: F32 Tue, 27 Jul 2010 - 11:53am

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

PLAN & PROFILE

PLAN LEGEND

CHECKED BY: C. TRIPP

DESIGNED BY: T. FAGNANT
 DRAWN BY: T. FAGNANT

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTHEAST REGION

GLACIER HIGHWAY & TRAILHEAD
 STAGE II-AMALGA HARBOR ROAD
 TO KAYAK LAUNCH
 STP-093-3(27) ~ 68832

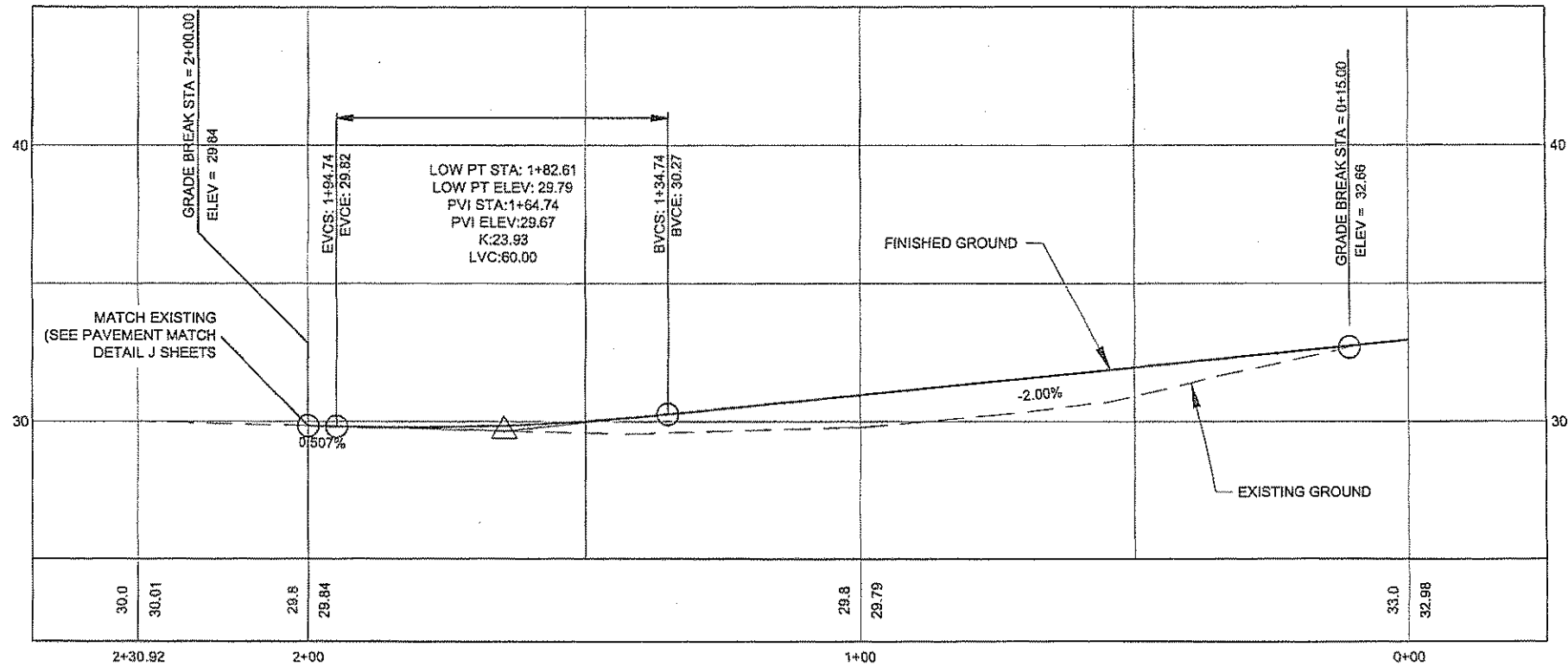
PLAN & PROFILE

PROJECT DESIGNATION	
STP-093-3(27) ~ 68832	
STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
F32 A	100

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

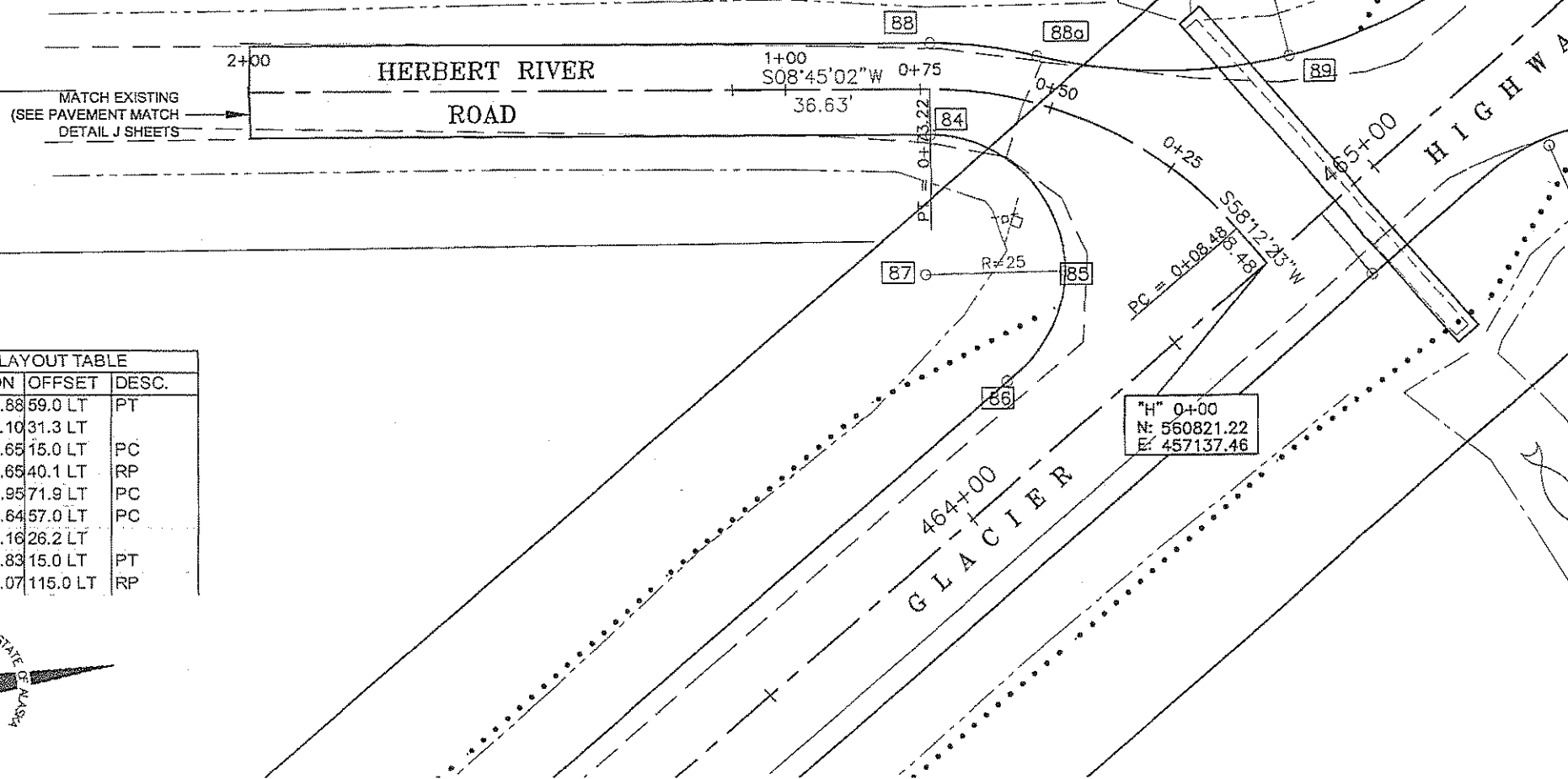
Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
 PE *Allyson C. Smith* Date *4/14/2011*

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



R=75.00
L=64.74
Tan=34.54
 $\Delta=49^{\circ}27'21''$

POINT LAYOUT TABLE			
POINT	STATION	OFFSET	DESC.
84	464+40.88	59.0 LT	PT
85	464+48.10	31.3 LT	
86	464+24.65	15.0 LT	PC
87	464+24.65	40.1 LT	RP
88	464+51.95	71.9 LT	PC
88a	464+65.64	57.0 LT	PC
89	465+01.16	26.2 LT	
90	465+46.83	15.0 LT	PT
91	465+47.07	115.0 LT	RP



HERBERT RIVER ROAD
PLAN VIEW

PATH: Q:\JUN168832\PLANSET\G1_TRLHDS.DWG

STEVENS, DAVID A (DOT)

TAB: G1 Mon, 11 May 2009 - 8:31am

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

JUN GLACIER HIGHWAY & TRAILHEAD

STAGE II-AMALGA HARBOR ROAD TO KAYAK LAUNCH

STP-093-3(27) ~ 68832

Herbert River Road Intersection

CHECKED BY: C. Tripp



DESIGNED BY: J. Petropoulos

DRAWN BY: B.W.B.J.

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD
TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

Herbert River Road Intersection

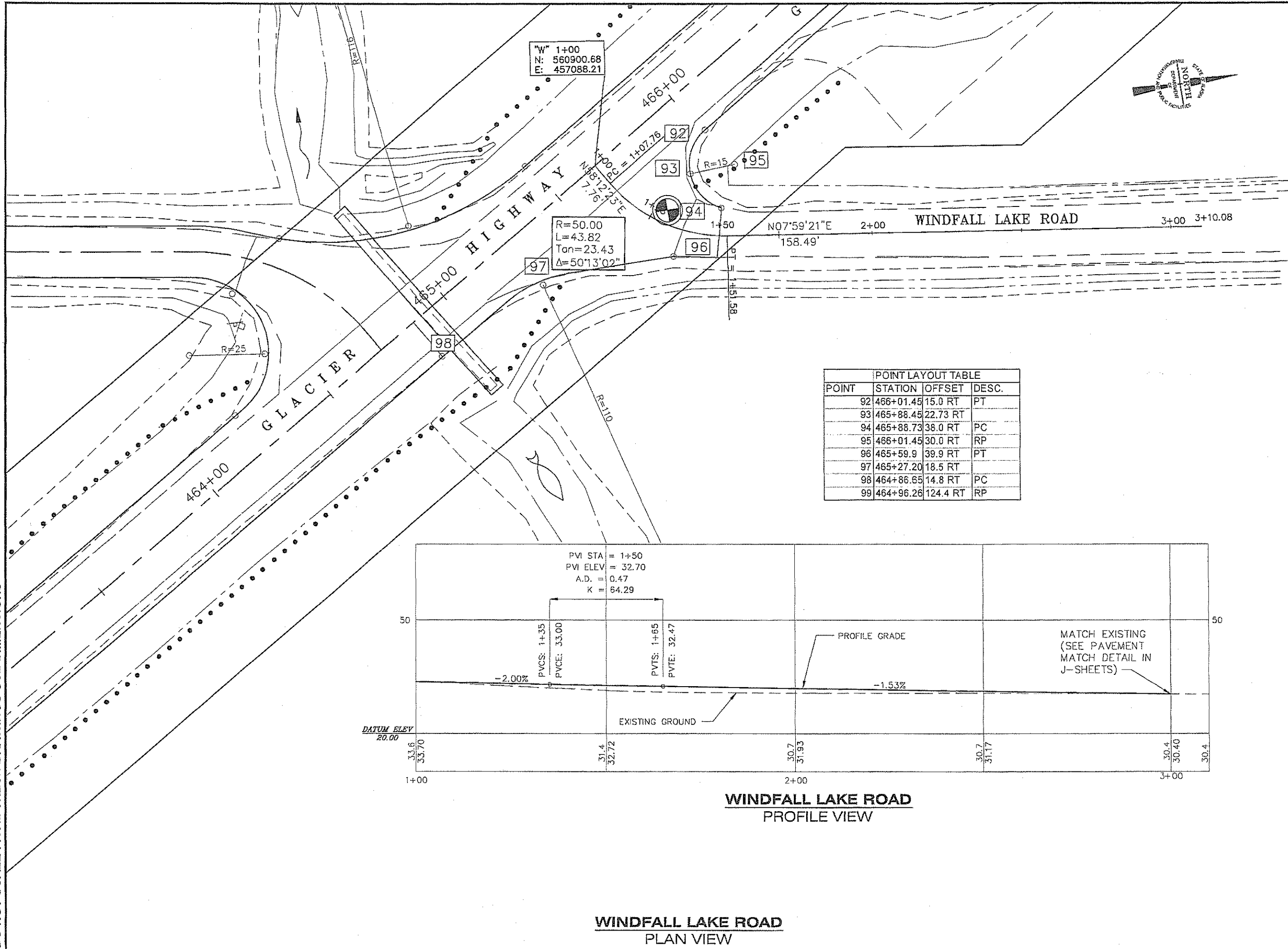
PROJECT DESIGNATION

STP-093-3(27) ~ 68832

STATE	YEAR
ALASKA	2009

SHEET NUMBER	TOTAL SHEETS
G1	100

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



PATH:Q:\WU\68832\PLANSET\93_TRLHDS.DWG

STEVENS, DAVID A (DOT)
TAB: G2 Thu, 14 May 2009 - 7:20am

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

JUN GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

Windfall Lake Road Intersection

CHECKED BY: C. Tripp

DESIGNED BY: J. Petropoulos

DRAWN BY: B.W.B./

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

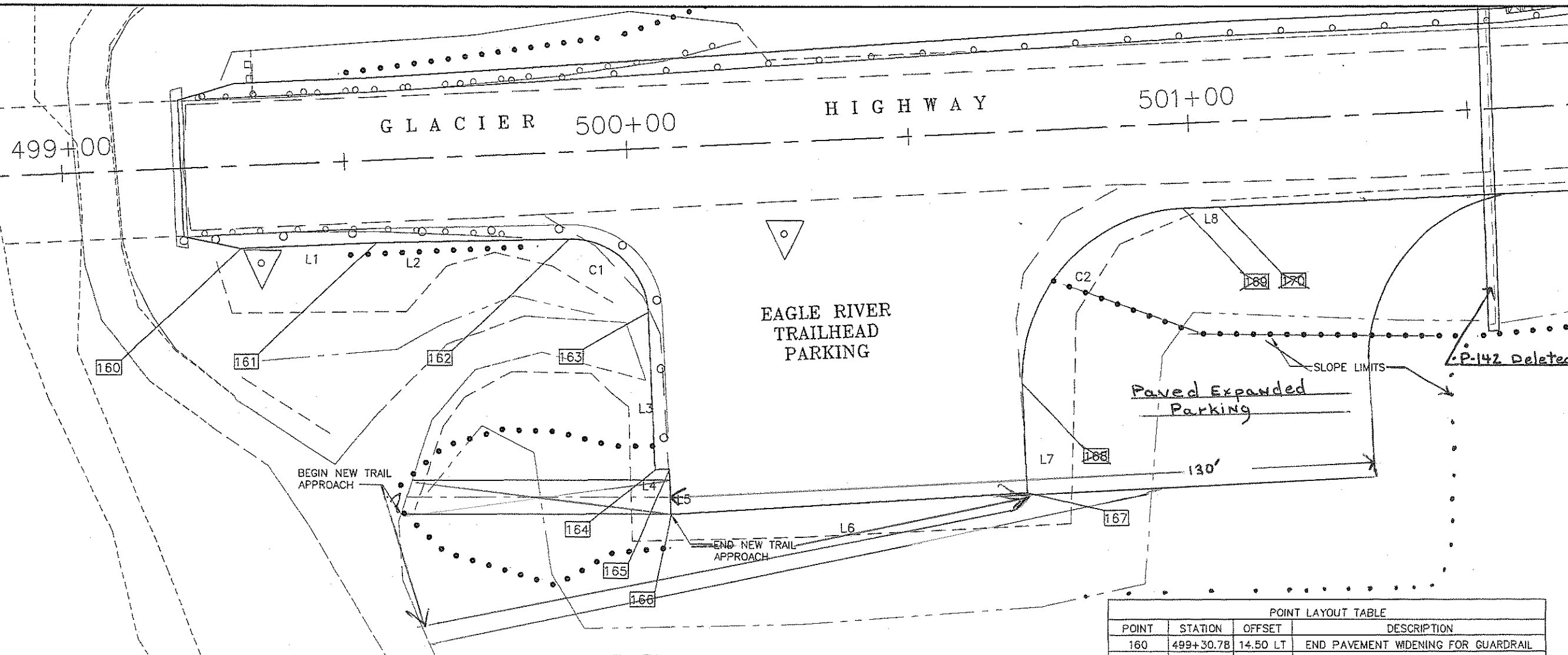
GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD
TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

Windfall Lake Road Intersection

PROJECT DESIGNATION
STP-093-3(27) ~ 68832

STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
G2	100

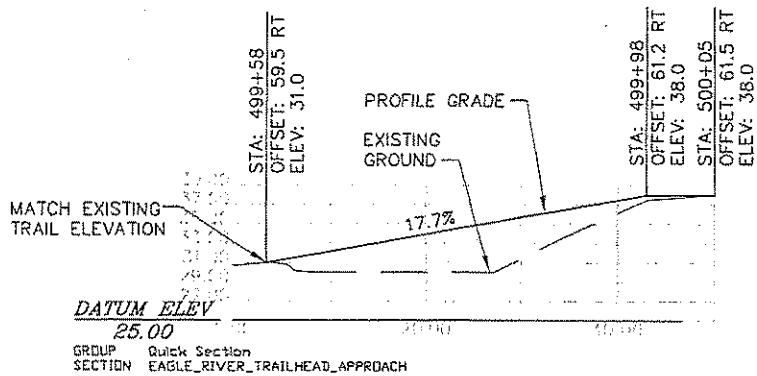
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



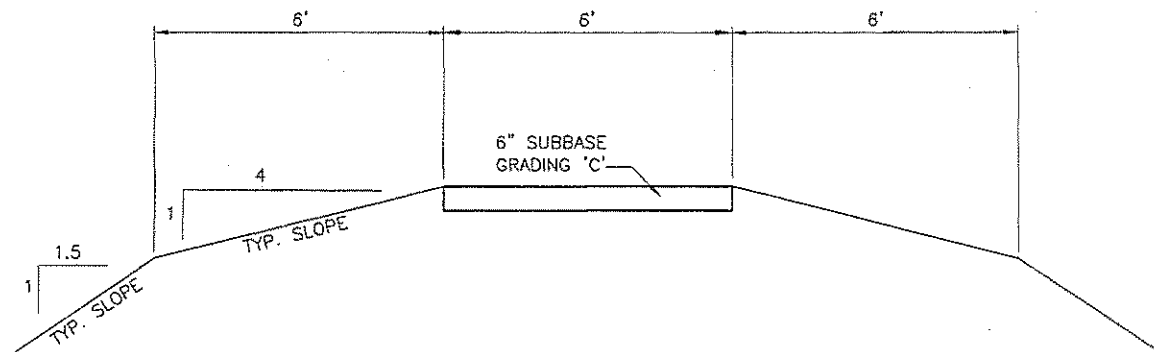
EAGLE RIVER TRAILHEAD APPROACH
PLAN VIEW

POINT LAYOUT TABLE			
POINT	STATION	OFFSET	DESCRIPTION
160	499+30.78	14.50 LT	END PAVEMENT WIDENING FOR GUARDRAIL
161	499+55.00	14.50 RT	BEGIN BRIDGE APPROACH TAPER POINT
162	499+89.24	15.28 RT	PC
163	500+02.44	28.77 RT	PT
164	500+02.44	56.68 RT	END GUARDRAIL PAVEMENT
165	500+04.94	56.67 RT	END GUARDRAIL PAVEMENT
166	500+04.94	64.67 RT	PARKING BACK CORNER
167	500+68.42	63.74 RT	PARKING BACK CORNER
168	500+68.42	44.32 RT	PC
169	501+98.42	14.87 RT	PT
170	501+05.00	15.00 RT	END BRIDGE APPROACH TAPER

ALIGNMENT TABLE				
TANGENTS				
NO.	DIRECTION	DISTANCE		
L1	S86°50'34"W	24.22'		
L2	S88°08'35"W	34.25'		
L3	N03°10'24"W	27.91'		
L4	S86°49'36"W	2.50'		
L5	N03°10'24"W	8.00'		
L6	S85°59'46"W	63.48'		
L7	S03°08'23"E	19.41'		
L8	S87°59'47"W	6.58'		
CURVES				
NO.	LENGTH	RADIUS	CORD DIRECTION	CORD LENGTH
C1	20.90	13.50	N45°00'00"W	19.78'
C2	46.54	30.10	S42°21'49"W	42.04'



EAGLE RIVER TRAILHEAD APPROACH
PROFILE VIEW



EAGLE RIVER TRAILHEAD APPROACH
TYPICAL SECTION

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE *Ally Culbert* Date 4/14/2011

PATH: Q:\JUN168832\PLANSET\IG9_TRLHDS.DWG

STEVENS, DAVID A (DOT)
TAB: G3 Tue, 05 May 2009 - 2:17pm

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION
-----	------	-------------

JUN_GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

Eagle River Trailhead Approach

CHECKED BY: C. Tripp

DESIGNED BY: J. Petropoulos
DRAWN BY: E.W.B.J.

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

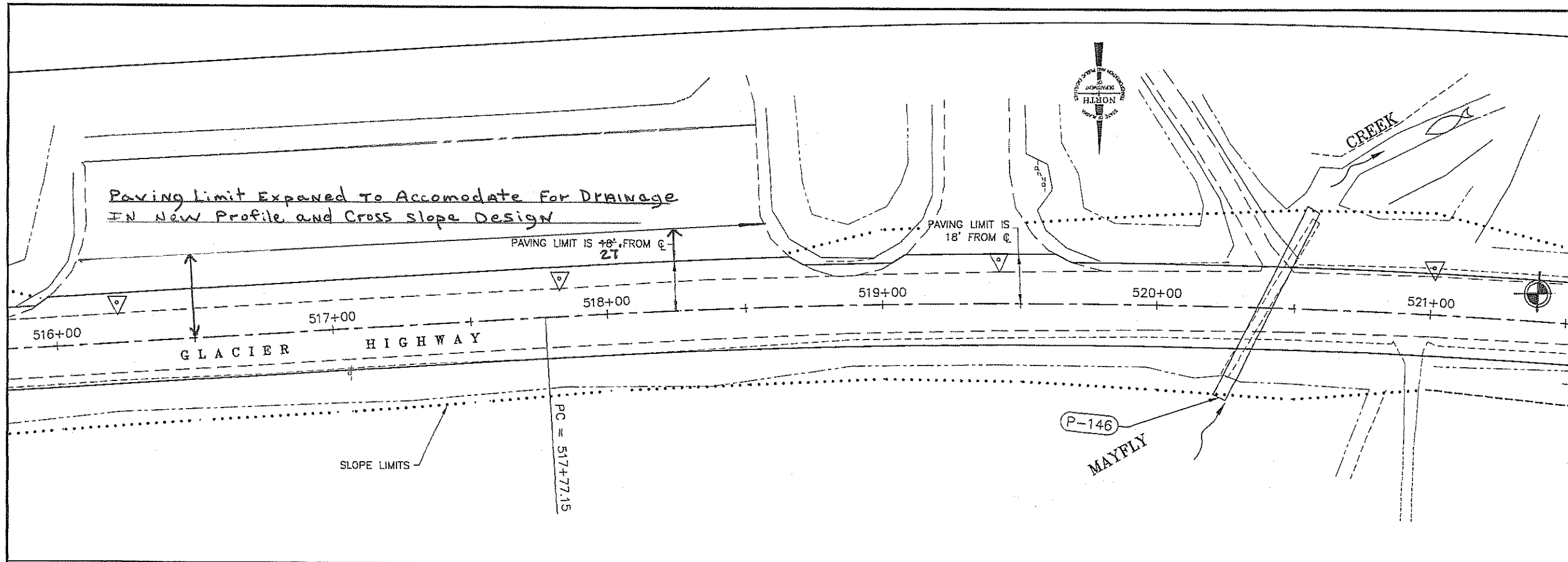
GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD
TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

Eagle River Trailhead Approach

PROJECT DESIGNATION
STP-093-3(27) ~ 68832

STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
G3	100

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



EAGLE BEACH DAY USE AREA PARKING LOT
PLAN VIEW

PATH: Q:\UNU\68832\PLANSET\G1_TRLHDS.DWG

STEVENS, DAVID A (DOT)
TAB: G4 Tue, 05 May 2009 - 10:23am

ADDENDUM NUMBER

ATTACHMENT NUMBER

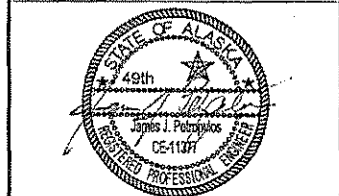
RECORD OF REVISIONS

No.	DATE	DESCRIPTION

JUN GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

**Eagle Beach Day Use Area
Parking Lot**

CHECKED BY: C. Tripp



DESIGNED BY: J. Petropoulos

DRAWN BY: B.W.B./

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD
TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

**Eagle Beach Day
Use Area Parking Lot**

PROJECT DESIGNATION

STP-093-3(27) ~ 68832

STATE YEAR

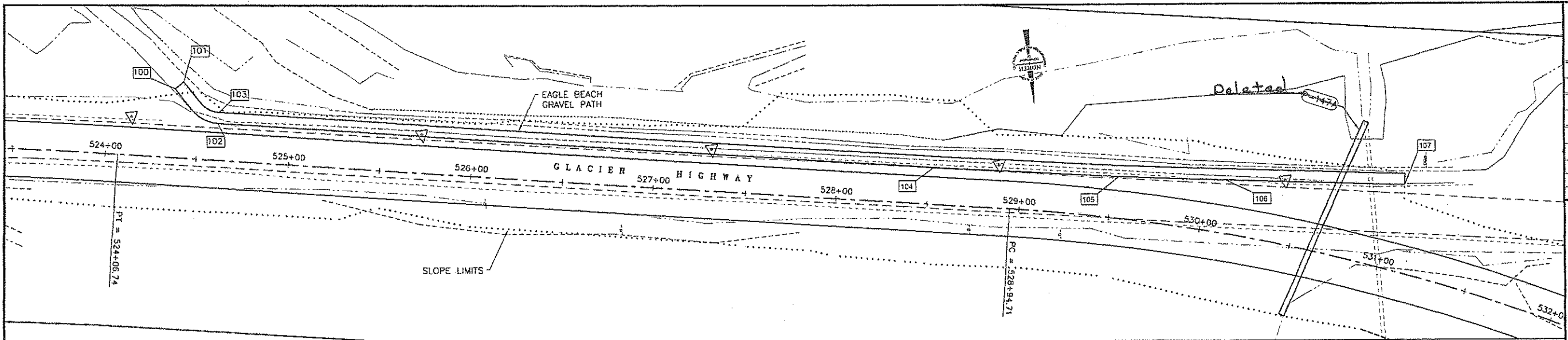
ALASKA 2009

SHEET NUMBER TOTAL SHEETS

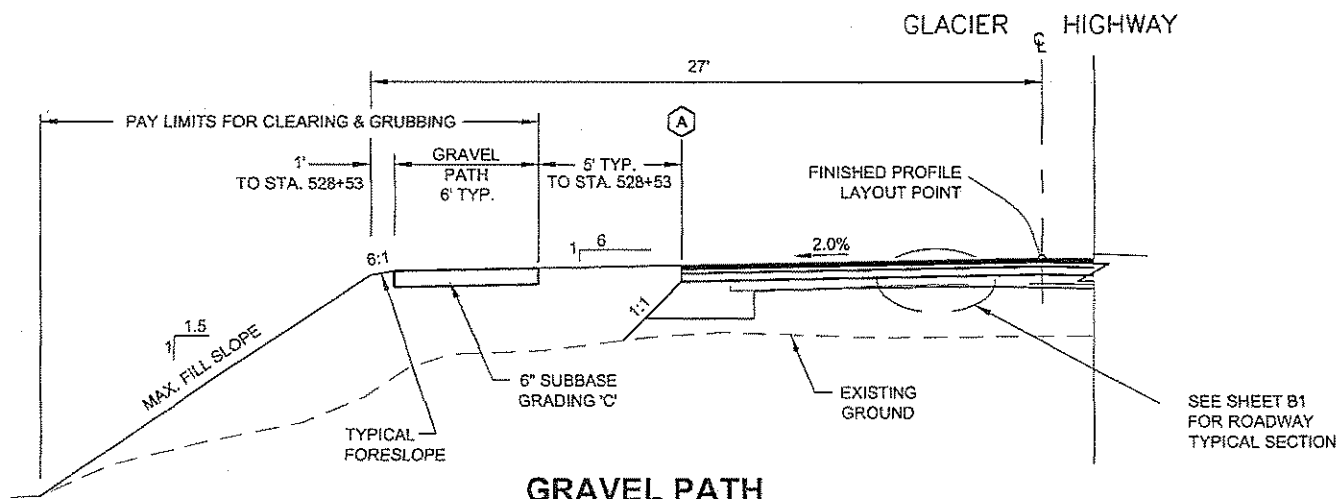
G4 100

Project As-Built Drawings have been
reviewed by the Project Engineer and
represent to the best of my knowledge,
the project as constructed.
PE *Ally Culhally* Date *4/14/2011*

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



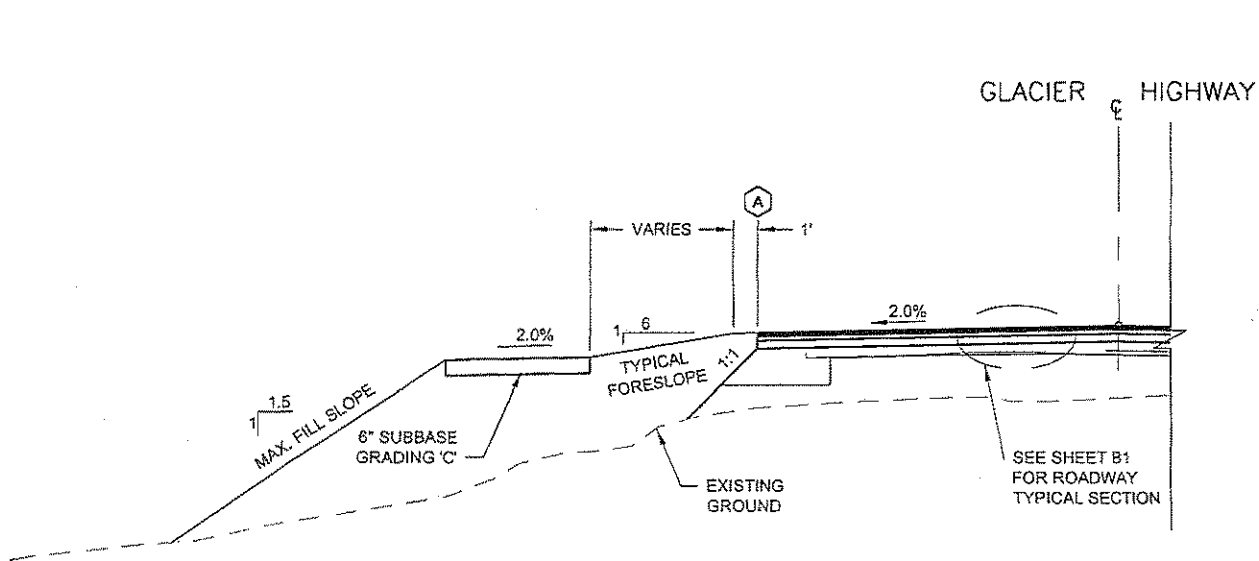
EAGLE BEACH GRAVEL PATH
PLAN VIEW



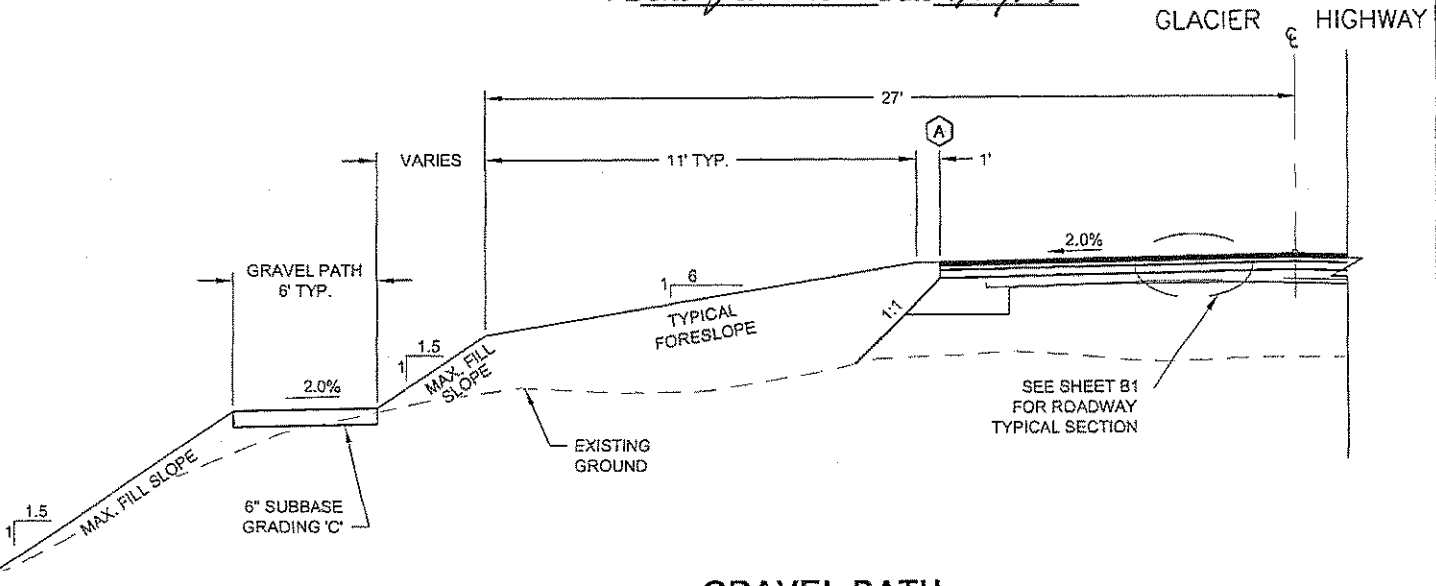
GRAVEL PATH
TYPICAL SECTION
STATION OFFSETS 524+61 TO 529+24

POINT LAYOUT TABLE			
POINT	STATION	OFFSET	DESCRIPTION
100	524+36.50	37.3 LT	BEGIN PATH
101	524+40.99	41.3 LT	
102	524+60.76	20.0 LT	ANGLE POINT
103	524+60.80	26.0 LT	ANGLE POINT
104	528+52.74	20.0 LT	ANGLE POINT
105	529+53.39	22.5 LT	ANGLE POINT
106	530+09.40	28.8 LT	ANGLE POINT
107	531+04.00	46.9 LT	END PATH, MATCH EXISTING

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE *Allen R. Kihl* Date *4/14/2011*



GRAVEL PATH
TYPICAL SECTION
STATION OFFSETS 529+24 TO 529+96



GRAVEL PATH
TYPICAL SECTION
STATION OFFSETS 529+96 TO 531+04

PATH:Q:\N\U\68832\PLANSETG1_TRLHDS.DWG

STEVENS, DAVID A (DOT)
TAB: G5 Mon, 11 May 2009 - 8:45am

ADDENDUM NUMBER

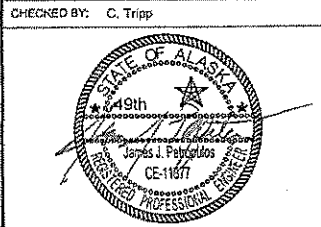
ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

JUN. GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

Eagle Beach Gravel Path Plan



DESIGNED BY: J. Petropoulos
DRAWN BY: B.W.B./

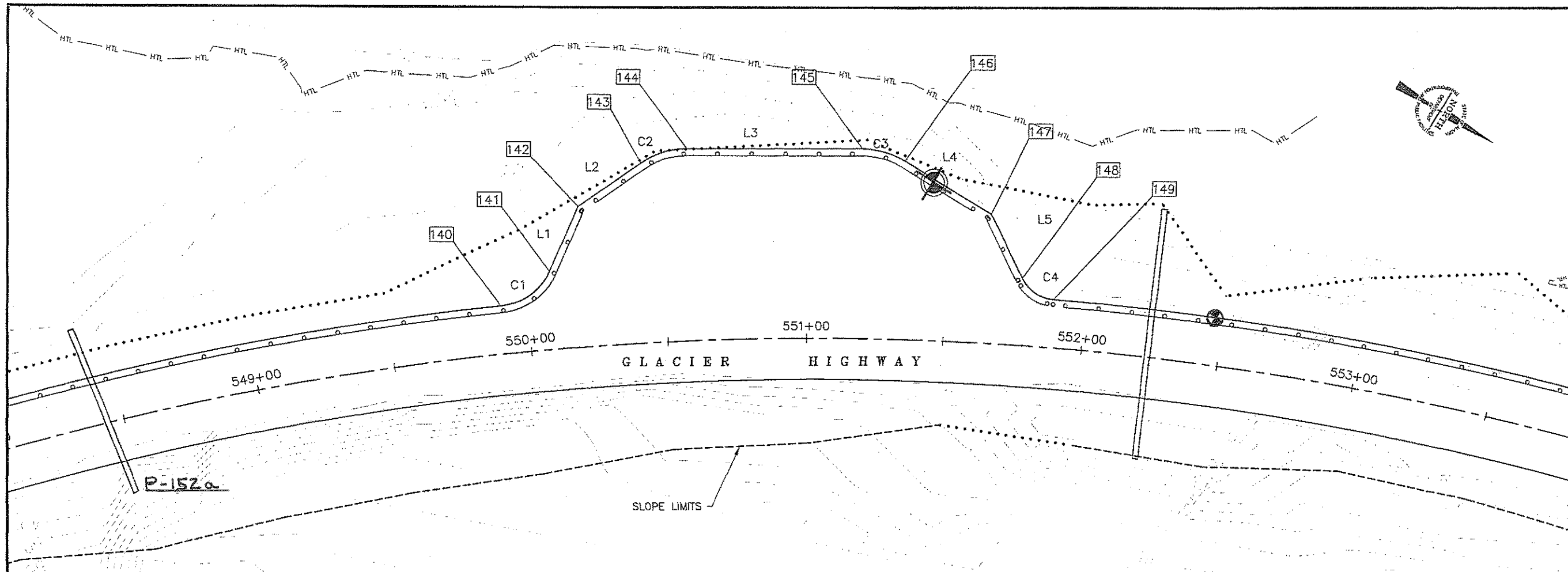
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD
TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

Eagle Beach
Gravel Path Plan

PROJECT DESIGNATION	
STP-093-3(27) ~ 68832	
STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
G5	100

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



TURNOUT PLAN - STATION 551+00

POINT LAYOUT TABLE			
POINT	STATION	OFFSET	DESCRIPTION
140	549+90.88	17.50 LT	PC
141	550+09.01	28.41 LT	PT
142	550+20.92	50.96 LT	ANCHOR FOR CRT
143	550+43.67	65.14 LT	PC
144	550+59.76	69.63 LT	PT
145	551+19.70	68.65 LT	PC
146	551+34.37	64.63 LT	PT
147	551+65.01	46.82 LT	ANCHOR FOR CRT
148	551+77.11	24.31 LT	PC
149	551+88.54	17.50 LT	PT

ALIGNMENT TABLE				
TANGENTS				
NO.	DIRECTION		DISTANCE	
L1	S82°33'27"W		25.71	
L2	N65°47'53"W		27.87	
L3	N31°20'09"W		63.82	
L4	N00°01'26"E		36.83	
L5	N33°11'29"E		25.74	
CURVES				
NO.	LENGTH	RADIUS	CORD DIRECTION	CORD LENGTH
C1	22.51	21.50	N67°26'33"W	21.50
C2	17.92	29.8	N48°34'01"W	17.66
C3	16.31	29.80	N15°00'00"W	16.79
C4	14.14	13.50	N03°11'29"E	13.50

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE *Ally Culbert* Date *4/14/2011*

PATH:Q:\UNIV68832\PLANSET\G1_TRLHDS.DWG

STEVENS, DAVID A (DOT)
TAB: G6 Tue, 05 May 2009 - 10:24am

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

JUN_GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

TURNOUT STA. 551+00

CHECKED BY: C. Tripp

DESIGNED BY: J. Petropoulos
DRAWN BY: B.W.B./

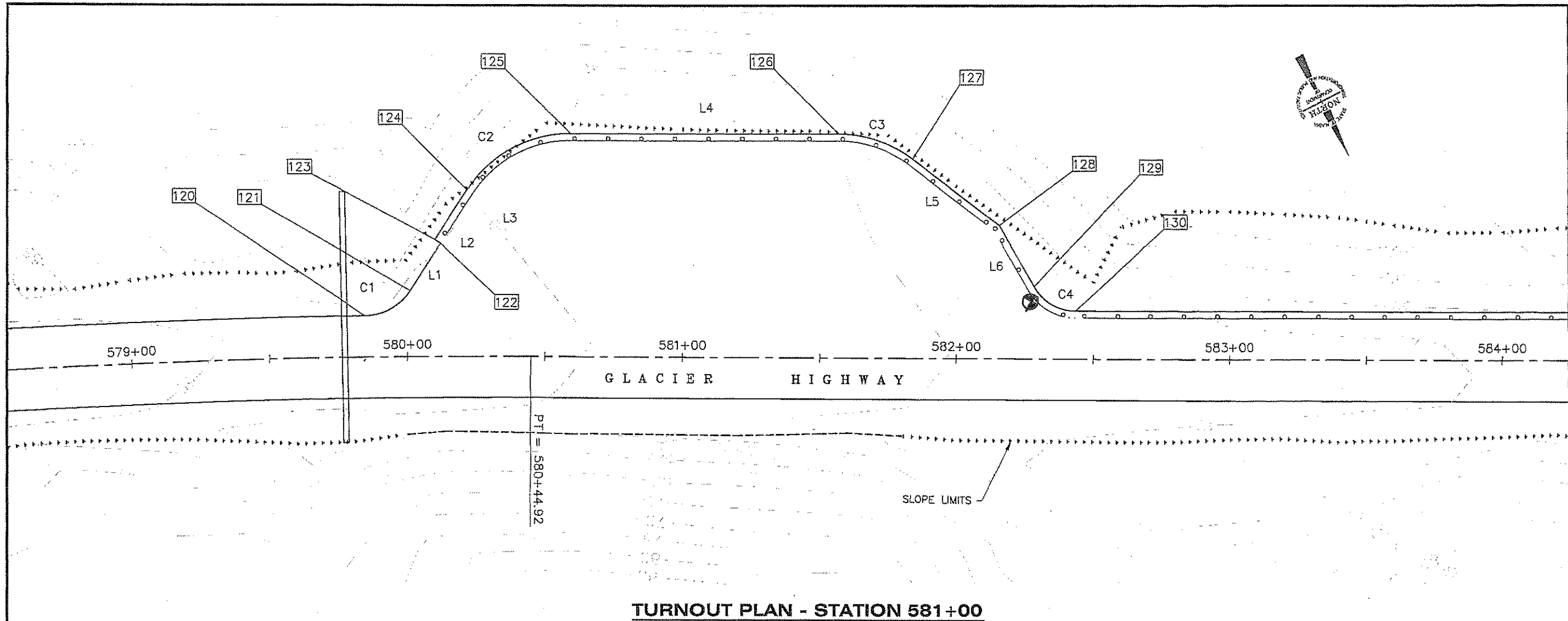
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION
GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD
TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

TURNOUT
STA. 551+00

PROJECT DESIGNATION
STP-093-3(27) ~ 68832

STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
G6	100

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



TURNOUT PLAN - STATION 581+00

POINT LAYOUT TABLE			
POINT	STATION	OFFSET	DESCRIPTION
120	579+84.76	15.00 LT	PC
121	580+01.22	18.87 LT	PT
122	580+12.44	41.00 LT	BEGIN GUARD RAIL
123	580+10.38	42.38 LT	BEGIN GUARD RAIL PAVING
124	580+21.95	60.28 LT	PC
125	580+58.97	80.74 LT	PT
126	581+56.81	81.12 LT	PC
127	581+83.90	72.13 LT	PT
128	582+15.55	48.34 LT	ANCHOR FOR CRT
129	582+28.30	26.25 LT	PC FOR CRT
130	582+43.46	17.5 LT	PT FOR CRT

ALIGNMENT TABLE				
TANGENTS				
NO.	DIRECTION	DISTANCE		
L1	S59°44'58"W	20.54		
L2	S30°15'02"E	2.50		
L3	S59°44'58"W	21.43		
L4	N63°14'49"W	97.84		
L5	N26°05'20"W	39.59		
L6	N03°01'18"W	25.51		
CURVES				
NO.	LENGTH	RADIUS	CORD DIRECTION	CORD LENGTH
C1	19.56	20.00	S87°46'11"W	18.79
C2	44.57	44.80	S88°15'05"W	42.76
C3	29.05	44.80	N44°40'05"W	28.55
C4	18.33	17.50	N33°01'19"W	17.50

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE *Ally Culbert* Date *4/14/2011*

PATH:Q:\JUN168832\PLANSET\G1_TRLHDS.DWG

TRIPP, CHARLES		
TAB: G7		Thu, 14 May 2005 - 7:45am
ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION

JUN_GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

TURNOUT STA. 581+00

CHECKED BY: C. Tripp



DESIGNED BY: J. Petropoulos

DRAWN BY: B.W.B./

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION
GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD
TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

TURNOUT
STA. 581+00

PROJECT DESIGNATION	
STP-093-3(27) ~ 68832	
STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
G7	100

KAYAK LAUNCH RAMP
PLAN VIEW

The plan view shows the layout of the kayak launch ramp. Key features include:

- GLACIER HIGHWAY** running horizontally across the middle.
- KAYAK LAUNCH RAMP** area, shaded with diagonal lines, located south of the highway.
- EXISTING KAYAK RAMP APPROACH** and **NEW KAYAK RAMP APPROACH** (referencing sheet B4 for typical section).
- RT-Plus** label near the ramp entrance.
- PC = 9+72.93** and **PT = 10+33.15** stationing points.
- HTL** (Horizontal Tangent Line) and **MHW** (Mean High Water) lines.
- REMOVE EXISTING A.C.** (Asphalt Concrete) and **REMOVE EXISTING GUARDRAIL & POSTS. SALVAGE & REUSE GUARDRAIL SECTIONS** instructions.
- EXISTING GUARDRAIL TO REMAIN (BEYOND STA. 10+95.59)**.
- SLOPE LIMITS** indicated by a dotted line.
- STATIONING** from 9+00 to 12+00.

KAYAK LAUNCH RAMP
PROFILE VIEW

The profile view shows the vertical alignment of the ramp. Key features include:

- PROFILE GRADE** (solid line) and **EXISTING GROUND** (dashed line).
- VERTICAL CURVES** with lengths of 4.00' VC and 55.00' VC.
- GRADES** of -0.93%, -2.00%, and -2.81%.
- STATIONING** from 9+00 to 12+00.
- ELEVATIONS** at various points: 43.3, 41.6, 43.34, 22.1, 42.15, 20.4, 40.69, 21.6, 22.8.
- PV STA = 9+72.94** and **PVI ELEV = 42.91**.
- PVCS: 9+50.94**, **PVCE: 41.33**, **PVTS: 9+94.94**, **PVTE: 43.27**.
- PVCS: 10+40.59**, **PVCE: 41.0'**, **PVTS: 10+95.59**, **PVTE: 37.49**.
- END NEW APPROACH MATCH EXISTING RAMP ELEVATION & GRADE** at station 12+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 *Allyson Culbertson* Date *4/14/2011*

STEVENS, DAVID A (DOT)		
TAB: G8 Tue, 05 May 2009 - 1:38pm		
ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION

JUN GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

CHECKED BY: C. Tripp

19th

James J. Petrovich

CE-1137

REGISTERED PROFESSIONAL ENGINEER

DESIGNED BY: J. Petropoulos
DRAWN BY: B.W.B./

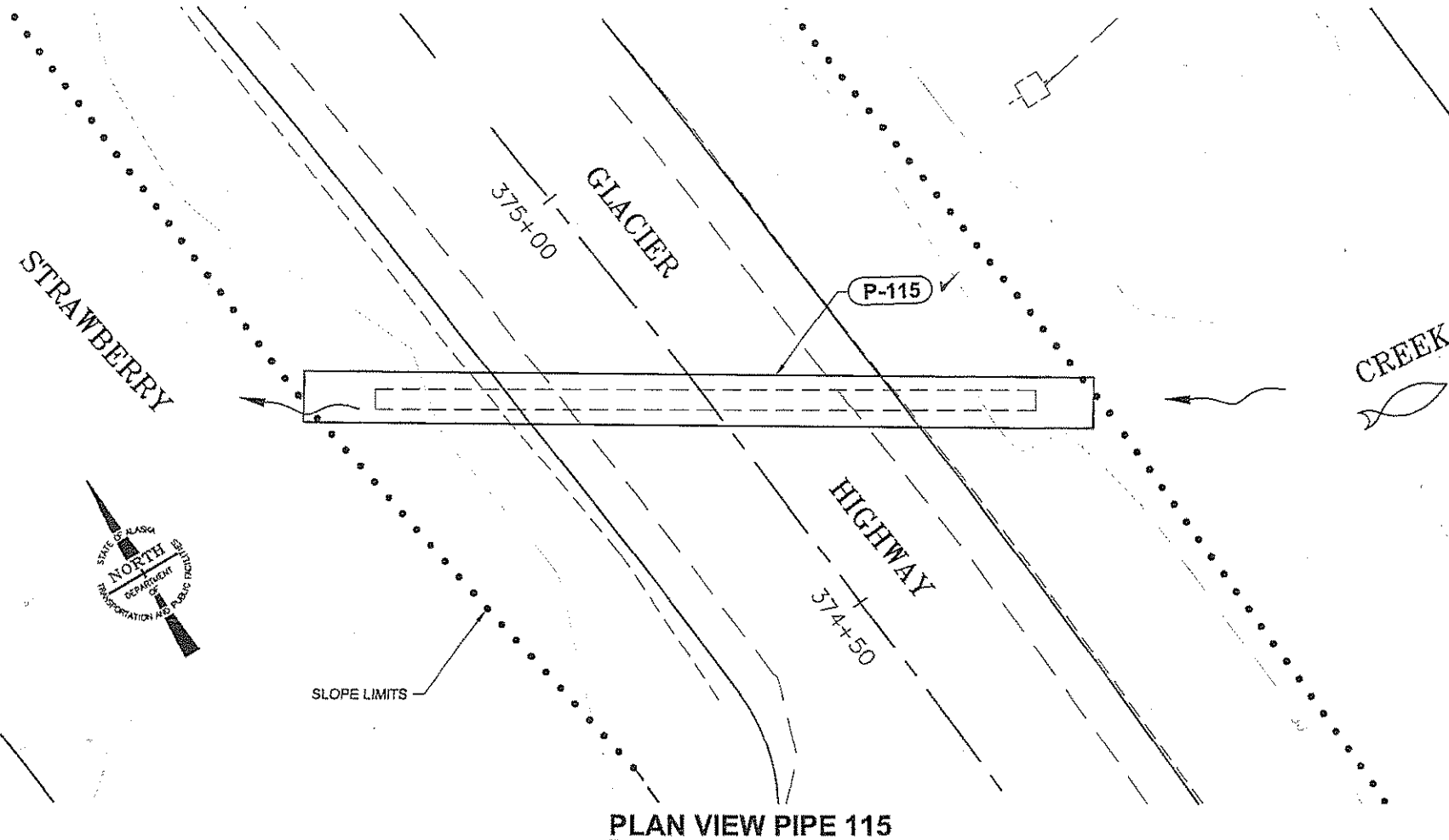
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD
TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

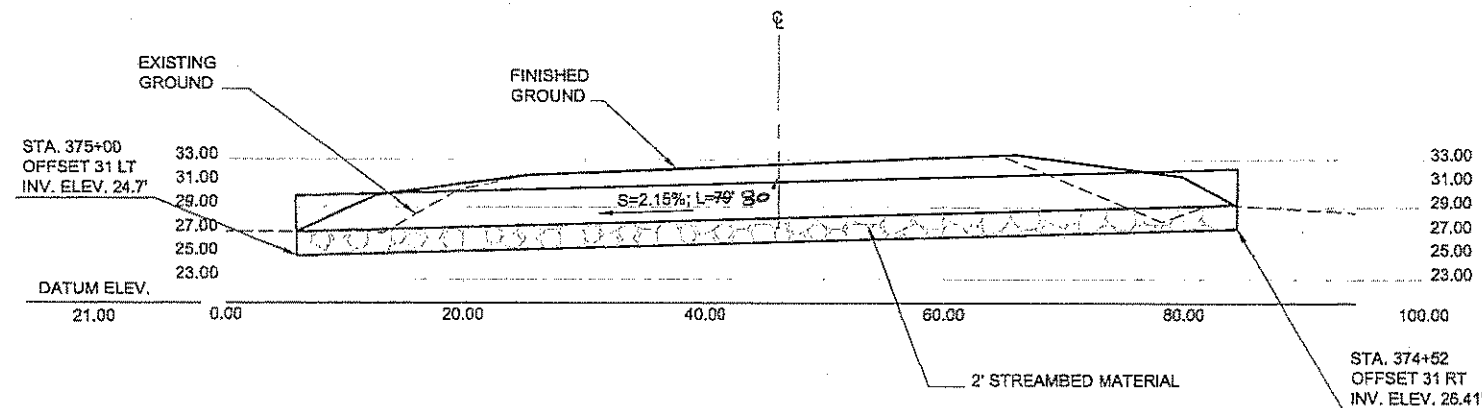
Kayak Launch Ramp Intersection

PROJECT DESIGNATION	
STP-093-3(27) ~ 68832	
STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
G8	100

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



PLAN VIEW PIPE 115



PROFILE PIPE 115

ABBREVIATIONS:

ICAP = IMBEDDED CORRUGATED ALUMINUM PIPE
ICAPA = IMBEDDED CORRUGATED ALUMINUM PIPE ARCH
CMPA = CORRUGATED METAL PIPE ARCH
CMP = CORRUGATED METAL PIPE
SPICAPA = STRUCTURAL PLATE IMBEDDED CORRUGATED ALUMINUM PIPE ARCH

SEE D--SHEETS FOR CULVERT LOCATION SUMMARY TABLE.

HYDRAULIC SUMMARY		
CULVERT SIZE - 60" ICAP WITH 2' IMBEDDED DEPTH		
DRAINAGE AREA = (SEE NOTE 1)		
LENGTH	79.0 ft 80.0 ft.	
INVERT ELEVATIONS	26.4 ft (INLET)	
	24.7 ft (OUTLET)	
DESIGN FREQUENCY	DESIGN FLOWS [CFS]	DESIGN HIGHWATER ELEVATION
Q ₅₀	14	29.5 ft
Q ₁₀₀	16	29.6 ft
CAPACITY	>16 CFS	
PURPOSE: STREAM CHANNEL CROSSING WITH MINIMUM Q50 DESIGN CAPACITY AND FISH PASSAGE PROVISIONS.		
WORK WINDOW: 5 DAYS FROM START OF IN WATER-WORK		

NOTES:

1. A DIVERSION UPSTREAM LIMITS THE DRAINAGE AREA. THE ESTIMATED FLOW IS BASED ON MANNING'S FULL FLOW

PATH:Q:\JUN168832\PLANSET\H_CULVERTS.DWG

STEVENS, DAVID A (DOT)
TAB: H1 Tue, 05 May 2009 - 10:29am

ADDENDUM NUMBER

ATTACHMENT NUMBER

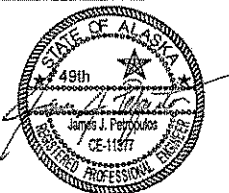
RECORD OF REVISIONS

No.	DATE	DESCRIPTION

JUN GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

Fish Stream
Culvert Plan & Profile

CHECKED BY: C. Tripp



DESIGNED BY: J. Petropoulos

DRAWN BY: B.W.B.J.

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD
TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

Fish Stream
Culvert
Plan & Profile

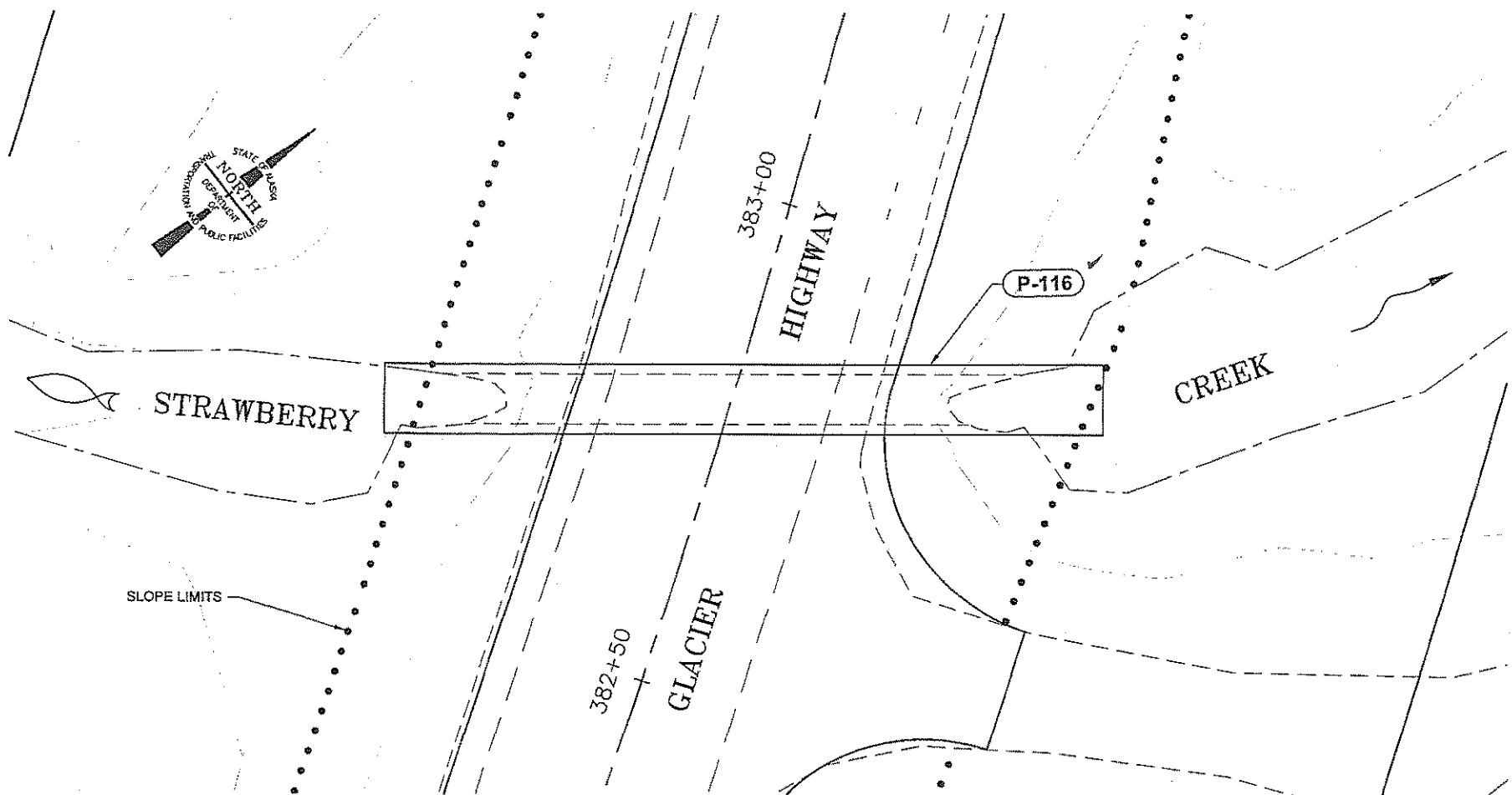
PROJECT DESIGNATION
STP-093-3(27) ~ 68832

STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
H1	100

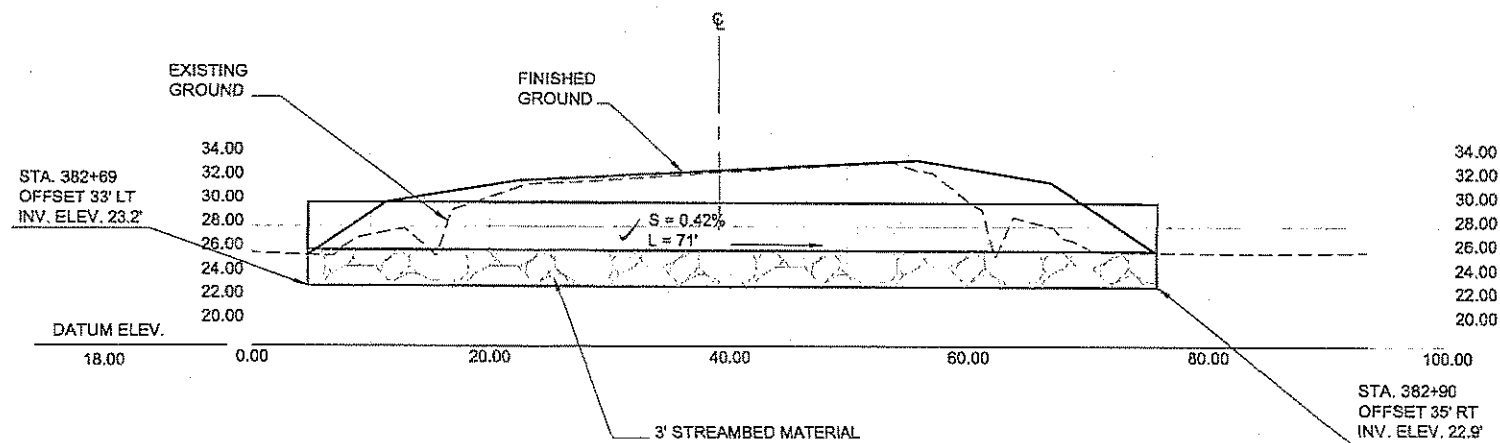
Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.

PE *[Signature]* Date 4/14/2011

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



PLAN VIEW PIPE 116



PROFILE PIPE 116

HYDRAULIC SUMMARY		
CULVERT SIZE - 84" ICAP WITH 3' IMBEDDED DEPTH		
DRAINAGE AREA = 67 ACRES PLUS P115 CAPACITY		
LENGTH	71.0 ft ✓	
INVERT ELEVATIONS	23.2 ft (INLET)	
	22.9 ft (OUTLET)	
DESIGN FREQUENCY	DESIGN FLOWS [CFS]	DESIGN HIGHWATER ELEVATION
Q ₅₀	113	30.0 ft
Q ₁₀₀	120	30.2 ft
CAPACITY	>120 CFS	
PURPOSE: STREAM CHANNEL CROSSING WITH MINIMUM Q50 DESIGN CAPACITY AND FISH PASSAGE PROVISIONS.		
WORK WINDOW: 5 DAYS FROM START OF IN-WATER WORK		

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 *4/14/2011*

PATH:Q:\JUN06832\PLANSET\H_CULVERTS.DWG

STEVENS, DAVID A (DOT)

TAB: H2 Tue, 05 May 2009 - 10:29am

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

JUN_GLACIER HIGHWAY & TRAILHEAD

STAGE II-AMALGA HARBOR ROAD TO KAYAK LAUNCH

STP-093-3(27) ~ 68832

Culvert Plan & Profile

CHECKED BY: C. Tripp

DESIGNED BY: J. Petropoulos

DRAWN BY: B.W.B./

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD
TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

Culvert Plan & Profile

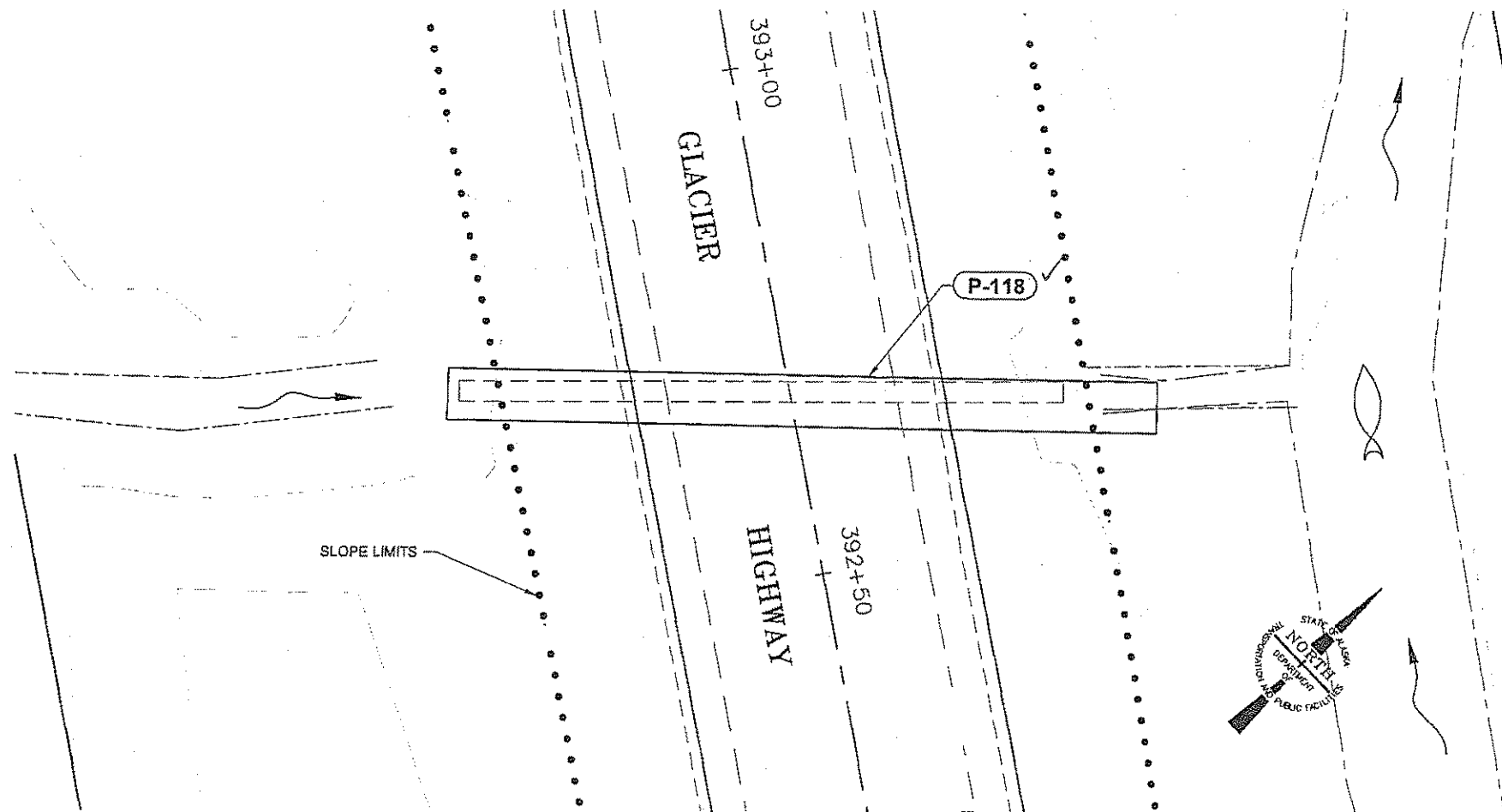
PROJECT DESIGNATION

STP-093-3(27) ~ 68832

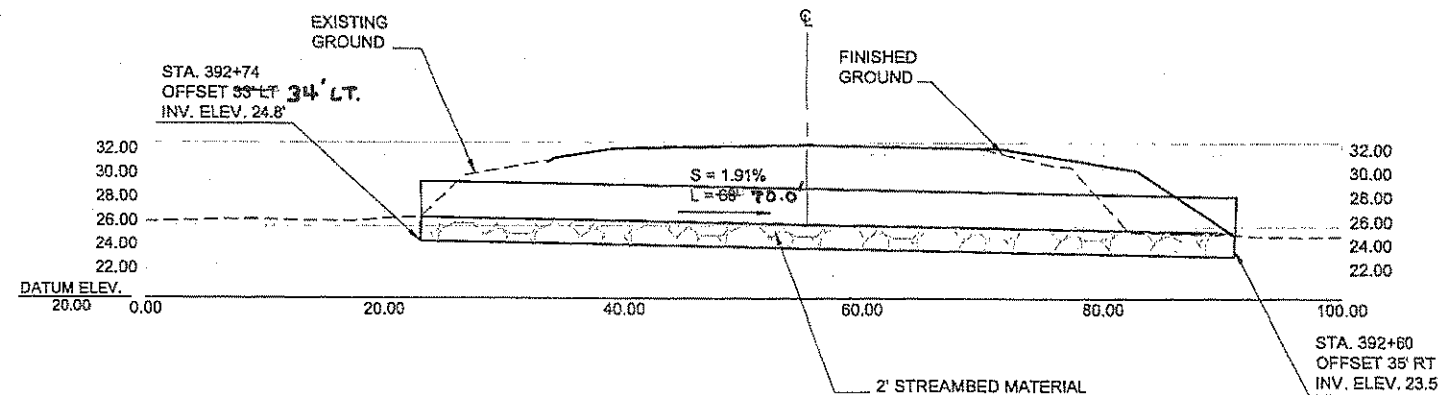
STATE	YEAR
ALASKA	2009

SHEET NUMBER	TOTAL SHEETS
H2	100

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



PLAN VIEW PIPE 118



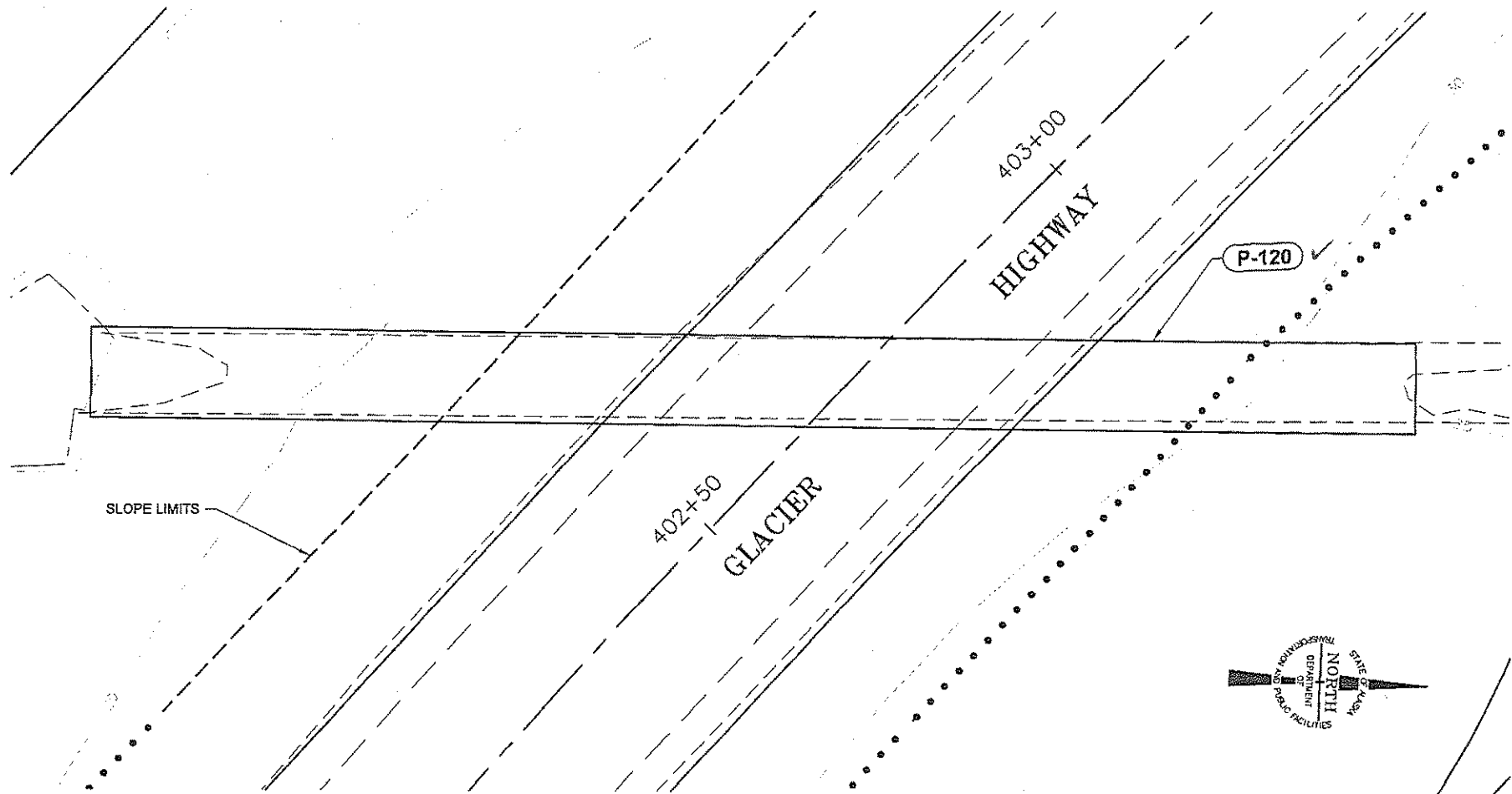
PROFILE PIPE 118

HYDRAULIC SUMMARY		
CULVERT SIZE - 60" ICAP WITH 2' IMBEDDED DEPTH		
DRAINAGE AREA = 16 ACRES		
LENGTH	-68.0 - ft 70.0 ft	
INVERT ELEVATIONS	24.8 ft (INLET)	
	23.5 ft (OUTLET)	
DESIGN FREQUENCY	DESIGN FLOWS [CFS]	DESIGN HIGHWATER ELEVATION
Q ₅₀	17	28.0 ft
Q ₁₀₀	19	28.1 ft
CAPACITY	>19 CFS	
PURPOSE: STREAM CHANNEL CROSSING WITH MINIMUM Q 50 DESIGN CAPACITY AND FISH PASSAGE PROVISIONS.		
WORK WINDOW: 5 DAYS FROM START OF IN-WATER WORK		

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE *James J. Petropoulos* Date *4/14/2009*

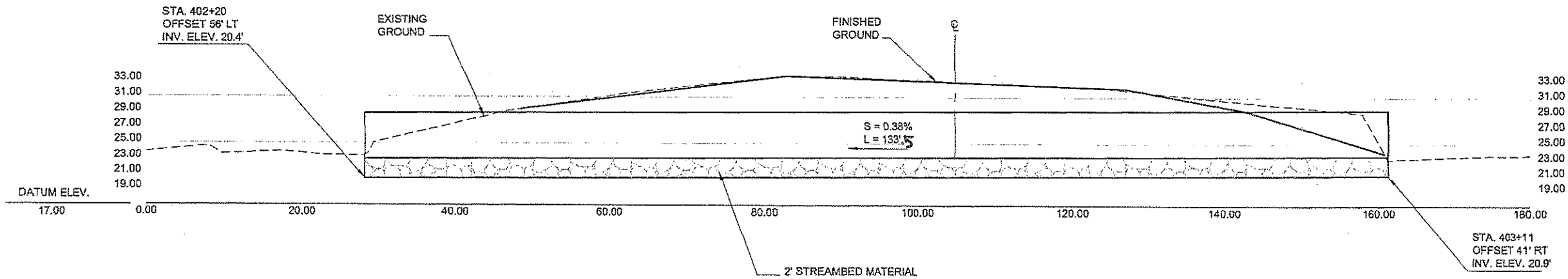
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STEVENS, DAVID A (DOT)		
TAB: H3 Tue, 05 May 2009 - 10:29am		
ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION
JUN GLACIER HIGHWAY & TRAILHEAD STAGE II-AMALGA HARBOR ROAD TO KAYAK LAUNCH STP-093-3(27) ~ 68832		
Culvert Plan & Profile		
CHECKED BY: C. Tripp		
		
DESIGNED BY: J. Petropoulos		
DRAWN BY: B.W.B.J.		
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION		
GLACIER HIGHWAY & TRAILHEAD STAGE II-AMALGA HARBOR ROAD TO KAYAK LAUNCH STP-093-3(27) ~ 68832		
Culvert Plan & Profile		
PROJECT DESIGNATION		
STP-093-3(27) ~ 68832		
STATE	YEAR	
ALASKA	2009	
SHEET NUMBER	TOTAL SHEETS	
H3	100	

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



PLAN VIEW PIPE 120

HYDRAULIC SUMMARY		
CULVERT SIZE - 43'-1" X 8'-5" SPICAPA w/2' EMBEDDED DEPTH		
DRAINAGE AREA = 917 ACRES 142" X 91"		
LENGTH	133.0 ft 133.5 ft	
INVERT ELEVATIONS	20.9 ft (INLET)	
	20.4 ft (OUTLET)	
DESIGN FREQUENCY	DESIGN FLOWS [CFS]	DESIGN HIGHWATER ELEVATION
Q ₅₀	504	32.0 ft
Q ₁₀₀	565	32.8 ft
CAPACITY	>565 CFS	
PURPOSE: STREAM CHANNEL CROSSING WITH MINIMUM Q50 DESIGN CAPACITY AND FISH PASSAGE PROVISIONS.		
WORK WINDOW: 10 DAYS FROM START OF IN-WATER WORK		



PROFILE PIPE 120

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 4-14-2011

PATH:Q:\JUN068032\PLANSETH_CULVERTS.DWG

STEVENSON, DAVID A (DOT)
TAB: H4 Tue, 05 May 2009 - 1:13pm

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

JUN GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

Culvert Plan & Profile

CHECKED BY: C. Tripp



DESIGNED BY: J. Petropoulos

DRAWN BY: B.W.B.J.

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD
TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

Culvert
Plan & Profile

PROJECT DESIGNATION

STP-093-3(27) ~ 68832

STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
H4	100

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

SLOPE LIMITS

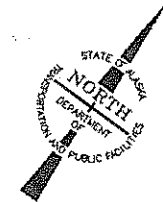
HIGHWAY

P-121

408+50

GLACIER

PLAN VIEW PIPE 121

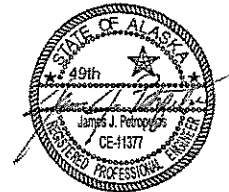


HYDRAULIC SUMMARY		
CULVERT SIZE - 60" I/CAP WITH 2' IMBEDDED DEPTH		
DRAINAGE AREA = 3 ACRES		
LENGTH	62.0 ft ✓	
INVERT ELEVATIONS	26.2 ft (INLET)	
	26.0 ft (OUTLET)	
DESIGN FREQUENCY	DESIGN FLOWS [CFS]	DESIGN HIGHWATER ELEVATION
Q ₅₀	6	29.4 ft
Q ₁₀₀	7	29.5 ft
CAPACITY	>7 CFS	
PURPOSE: STREAM CHANNEL CROSSING WITH MINIMUM Q50 DESIGN CAPACITY AND FISH PASSAGE PROVISIONS.		
WORK WINDOW: 5 DAYS FROM START OF IN-WATER WORK		

JUN_GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

Culvert Plan & Profile

CHECKED BY: C. Tripp



DESIGNED BY: J. Petropoulos

DRAWN BY: B.W.B./

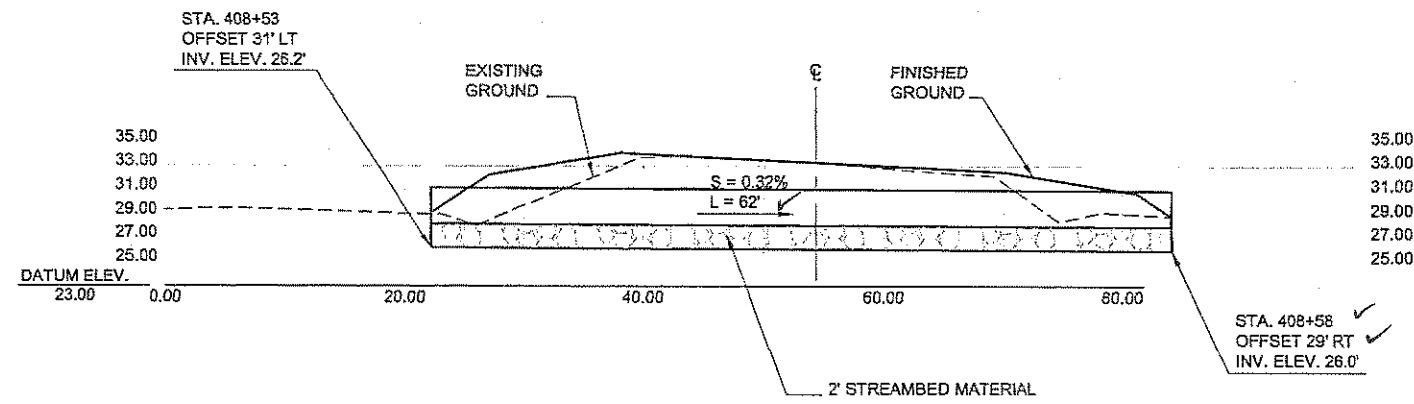
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD
TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

Culvert
Plan & Profile

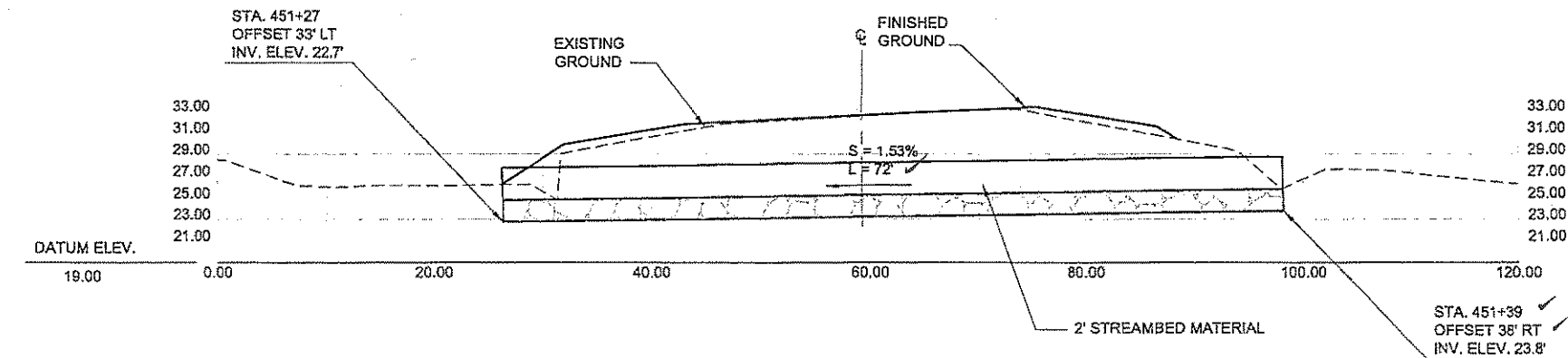
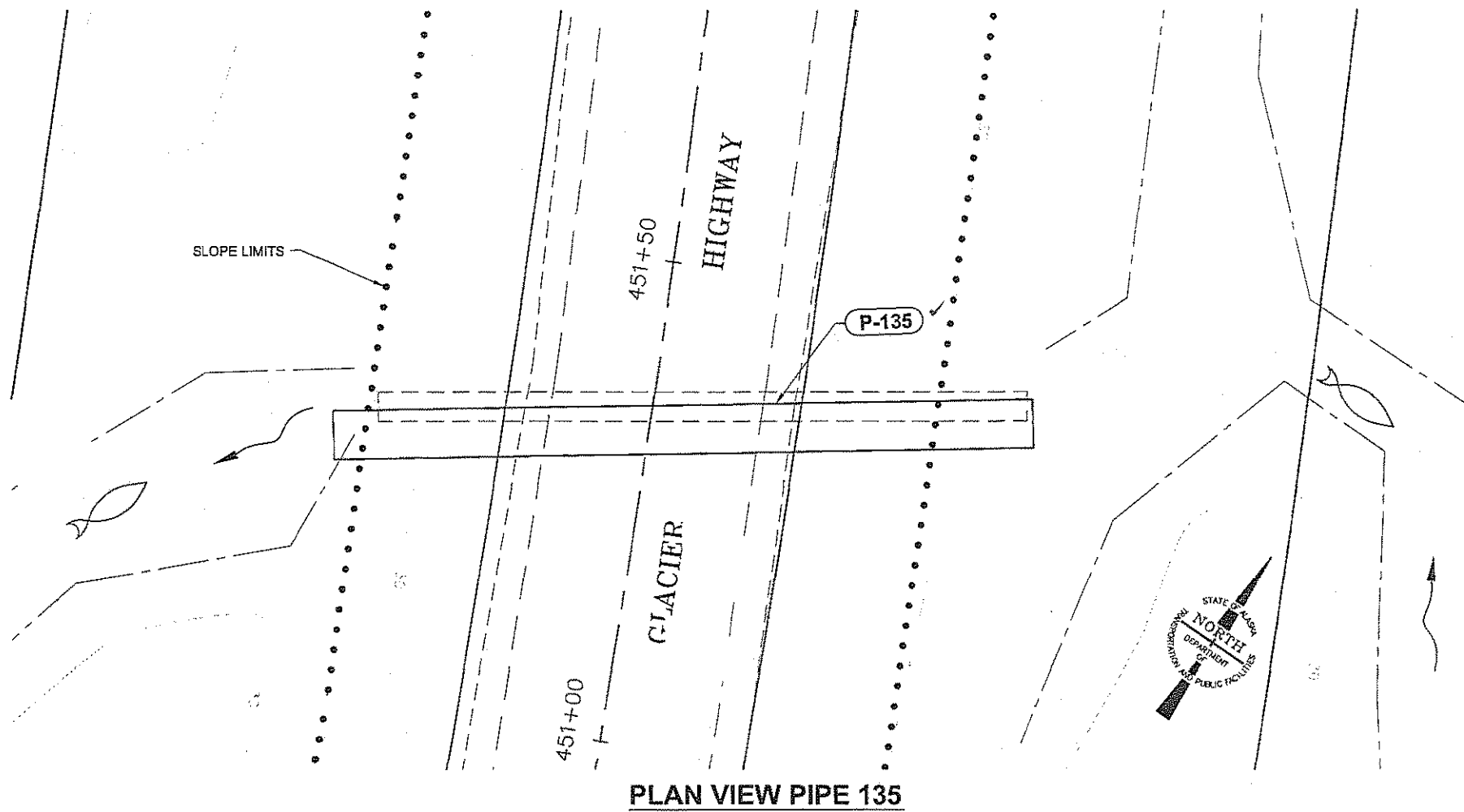
PROJECT DESIGNATION
STP-093-3(27) ~ 68832

STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
H5	100



PROFILE PIPE 121

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



HYDRAULIC SUMMARY		
CULVERT SIZE - 60" VCAP WITH 2' IMBEDDED DEPTH		
DRAINAGE AREA = 61 ACRES		
LENGTH	72.0 ft. ✓	
INVERT ELEVATIONS	23.8 ft (INLET)	
	22.7 ft (OUTLET)	
DESIGN FREQUENCY	DESIGN FLOWS [CFS]	DESIGN HIGHWATER ELEVATION
Q ₅₀	53	28.8 ft
Q ₁₀₀	60	29.0 ft
CAPACITY	>60 CFS	
PURPOSE: STREAM CHANNEL CROSSING WITH MINIMUM Q50 DESIGN CAPACITY AND FISH PASSAGE PROVISIONS.		
WORK WINDOW: 5 DAYS FROM START OF IN-WATER WORK		

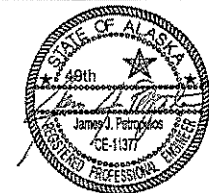
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STEVENS, DAVID A (DOT)		
TAB: H6 Tue, 05 May 2009 - 10:30am		
ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION

JUN GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

Culvert Plan & Profile

CHECKED BY: C. Tripp



DESIGNED BY: J. Petropoulos

DRAWN BY: B.W.B.J.

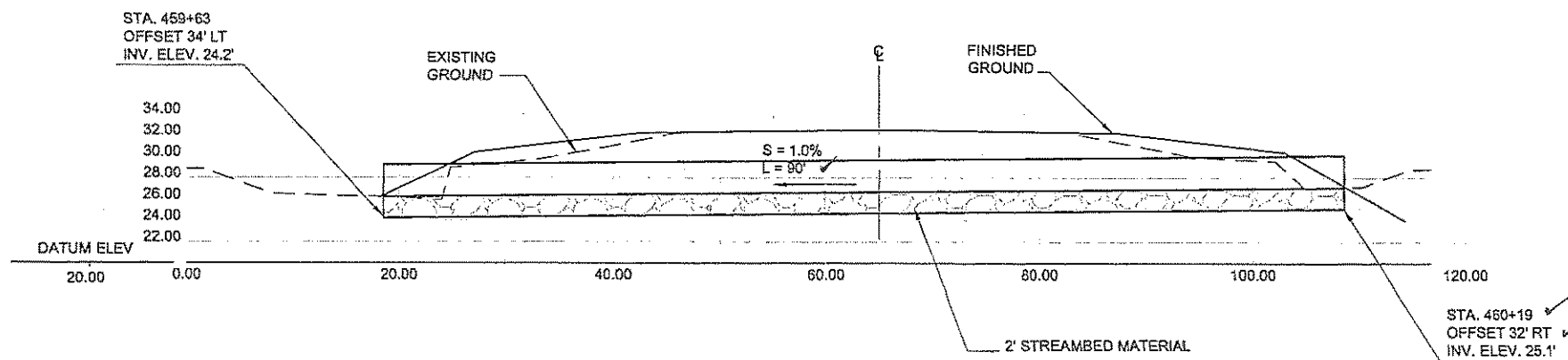
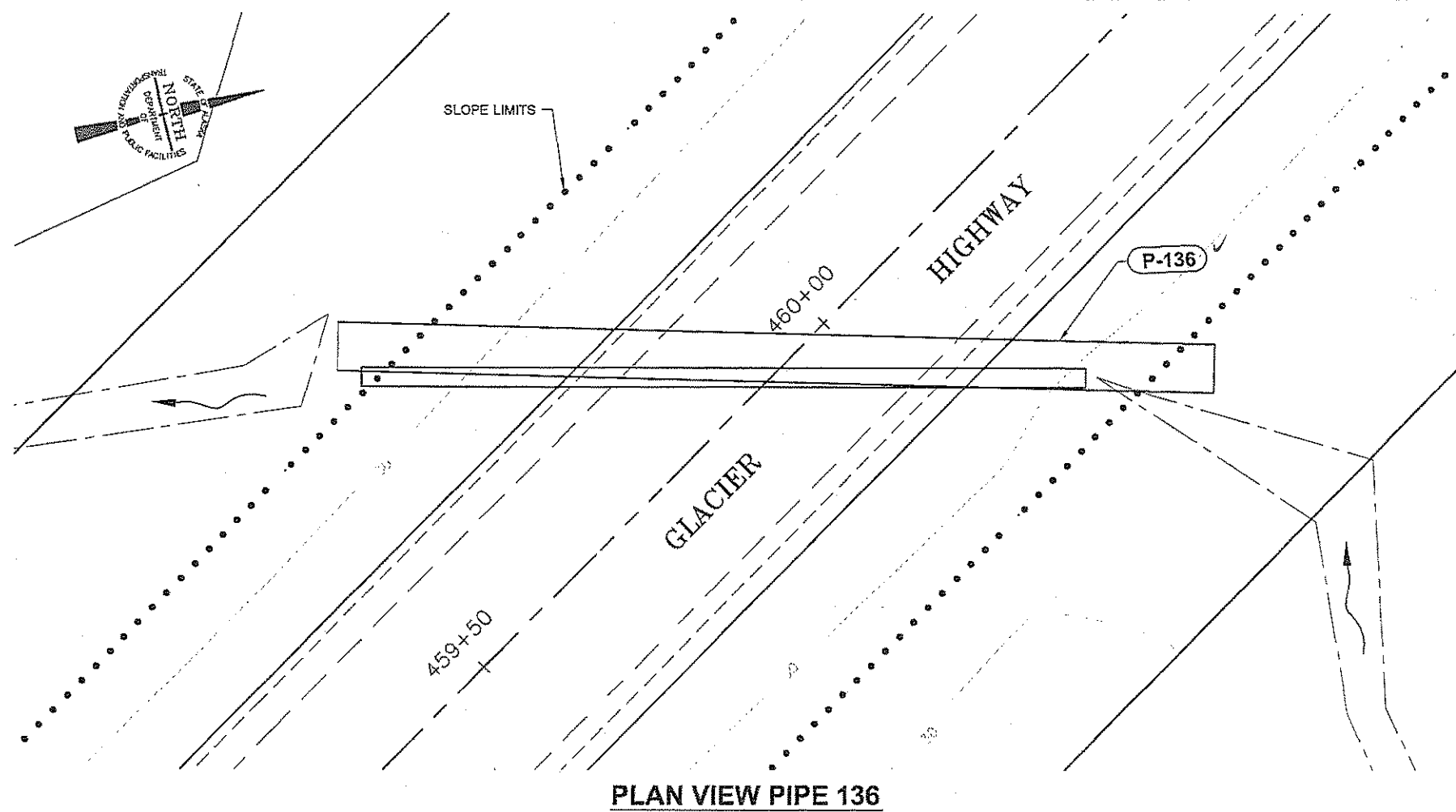
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD
TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

Culvert Plan & Profile

PROJECT DESIGNATION	
STP-093-3(27) ~ 68832	
STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
H6	100

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



HYDRAULIC SUMMARY		
CULVERT SIZE - 60" I/CAP WITH 2' IMBEDDED DEPTH		
DRAINAGE AREA = 21 ACRES		
LENGTH	90.0 ft ✓	
INVERT ELEVATIONS	25.1 ft (INLET)	
	24.2 ft (OUTLET)	
DESIGN FREQUENCY	DESIGN FLOWS [CFS]	DESIGN HIGH-WATER ELEVATION
Q ₅₀	22	28.7 ft
Q ₁₀₀	25	28.9 ft
CAPACITY	>25 CFS	
PURPOSE: STREAM CHANNEL CROSSING WITH MINIMUM Q50 DESIGN CAPACITY AND FISH PASSAGE PROVISIONS.		
WORK WINDOW: 5 DAYS FROM START OF IN-WATER WORK		

PATH:Q:\JNU\65032\PLANSETH_CULVERTS.DWG

STEVENS, DAVID A (DOT)
TAE:H7 Wed, 06 May 2009 - 8:09am

ADDENDUM NUMBER

ATTACHMENT NUMBER

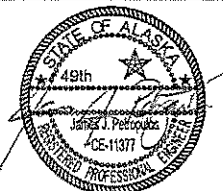
RECORD OF REVISIONS

No.	DATE	DESCRIPTION

JUN_GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

Culvert Plan & Profile

CHECKED BY: C. Tripp



DESIGNED BY: J. Petropoulos

DRAWN BY: B.W.B./

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD
TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

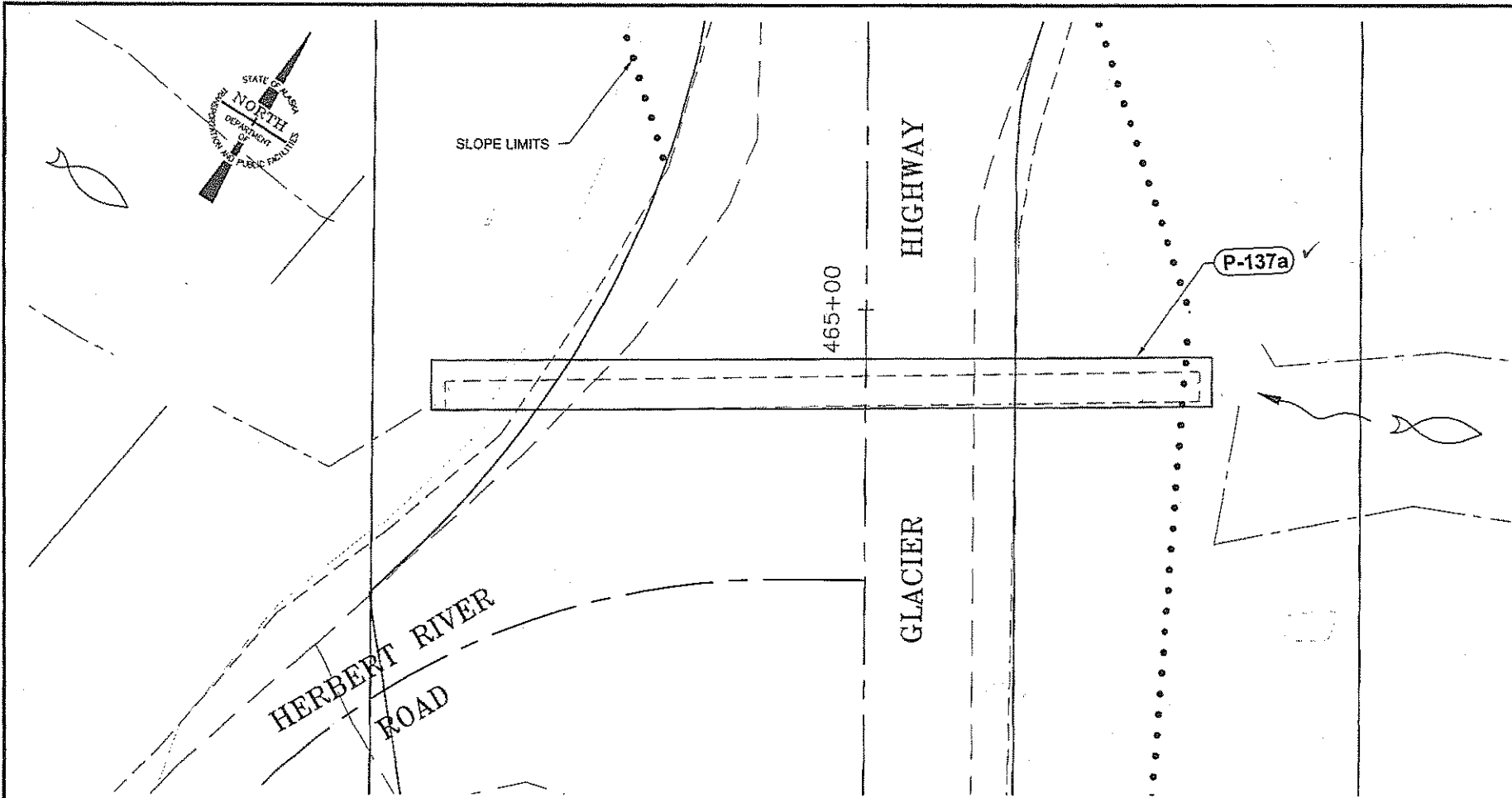
Culvert Plan & Profile

PROJECT DESIGNATION

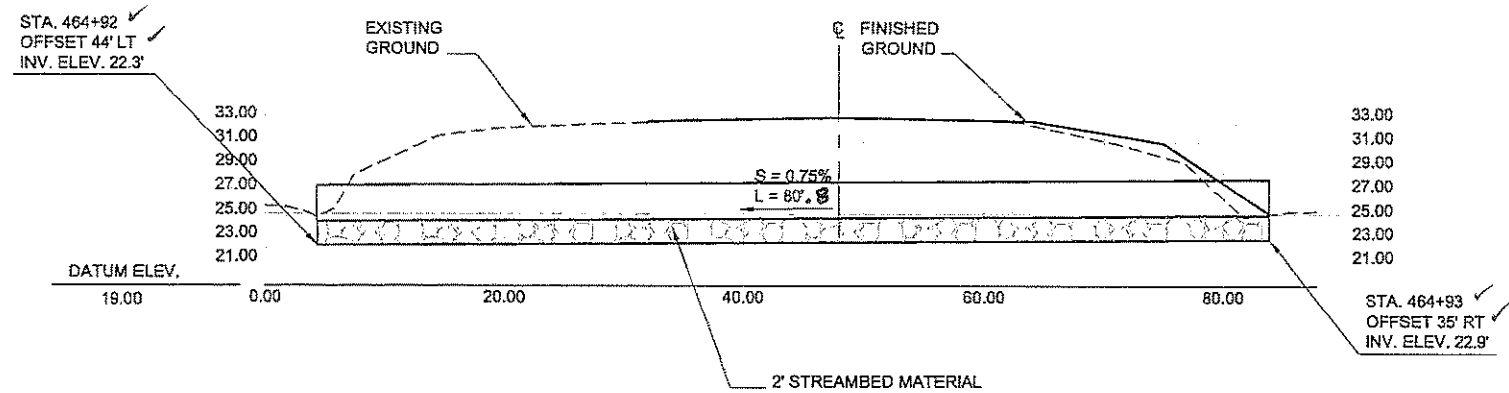
STP-093-3(27) ~ 68832

STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
H7	100

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



PLAN VIEW PIPE 137a



PROFILE PIPE 137a

HYDRAULIC SUMMARY		
CULVERT SIZE - 60" I/CAP WITH 2' IMBEDDED DEPTH		
DRAINAGE AREA = 34 ACRES		
LENGTH	80.8 ft	80.8 ft
INVERT ELEVATIONS	22.9 ft (INLET)	
	22.3 ft (OUTLET)	
DESIGN FREQUENCY	DESIGN FLOWS [CFS]	DESIGN HIGHWATER ELEVATION
Q ₅₀	33	27.1 ft
Q ₁₀₀	37	27.3 ft
CAPACITY	>37 CFS	
PURPOSE: STREAM CHANNEL CROSSING WITH MINIMUM Q50 DESIGN CAPACITY AND FISH PASSAGE PROVISIONS.		
WORK WINDOW: 5 DAYS FROM START OF IN-WATER WORK		

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE *Ally Culbert* Date *4/14/2011*

PATH:Q:\JUN\68832\PLANS\ETH_CULVERTS.DWG

STEVENS, DAVID A (DOT)
TAB: H8 Tue, 05 May 2009 - 10:31am

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

JUN_GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

Culvert Plan & Profile

CHECKED BY: C. Tripp

DESIGNED BY: J. Petropoulos

DRAWN BY: B.W.B./

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD
TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

Culvert Plan & Profile

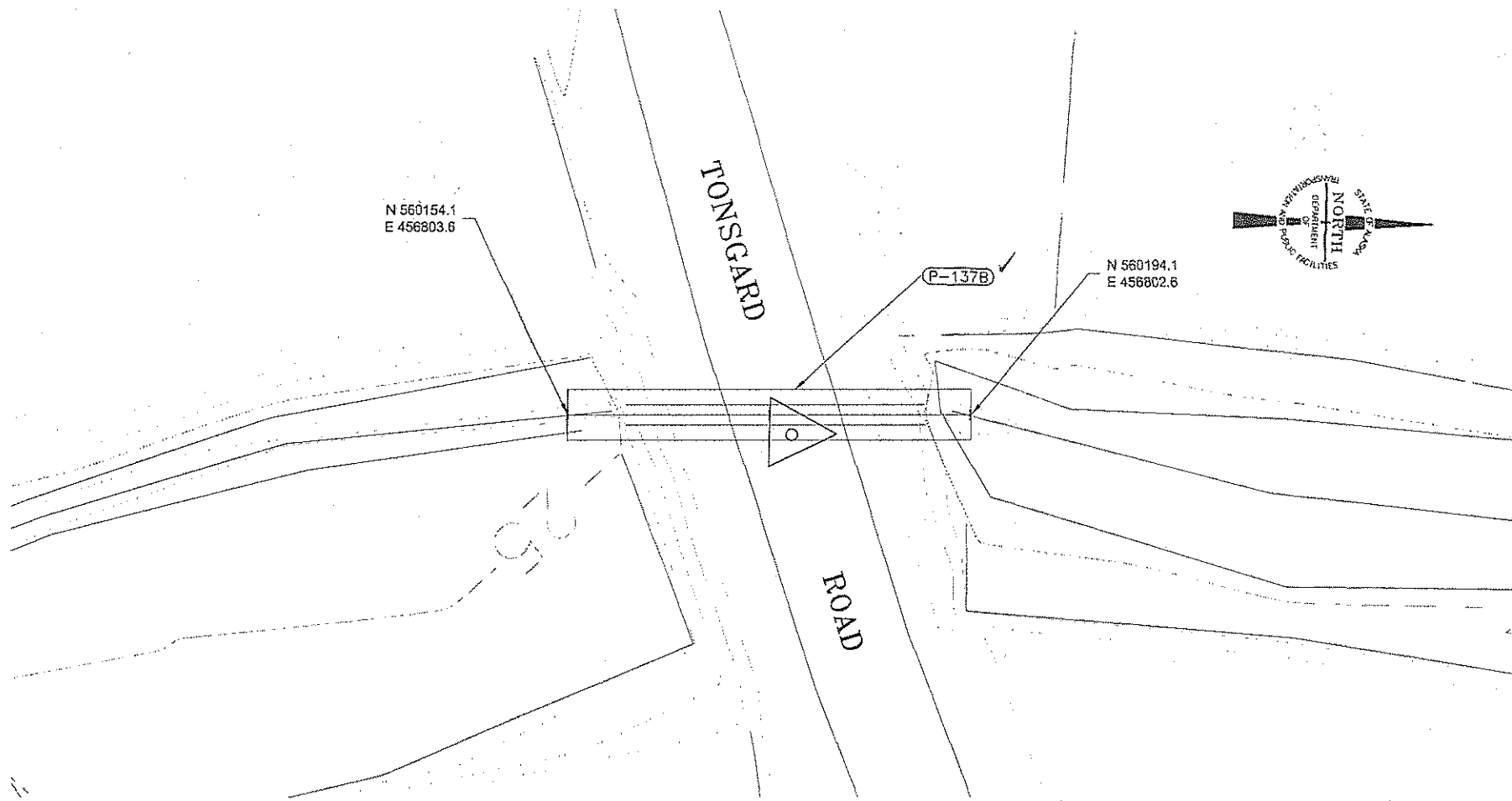
PROJECT DESIGNATION

STP-093-3(27) ~ 68832

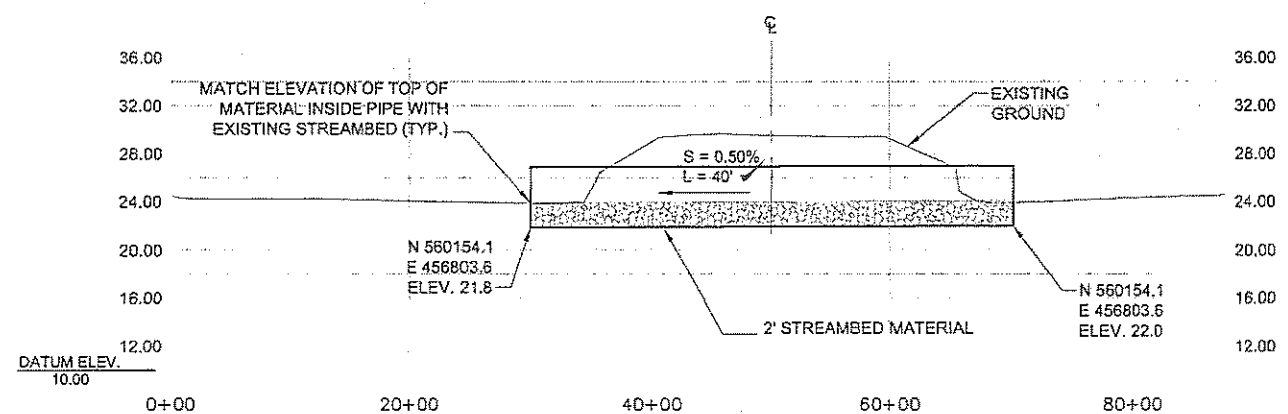
STATE	YEAR
ALASKA	2009

SHEET NUMBER	TOTAL SHEETS
H8	100

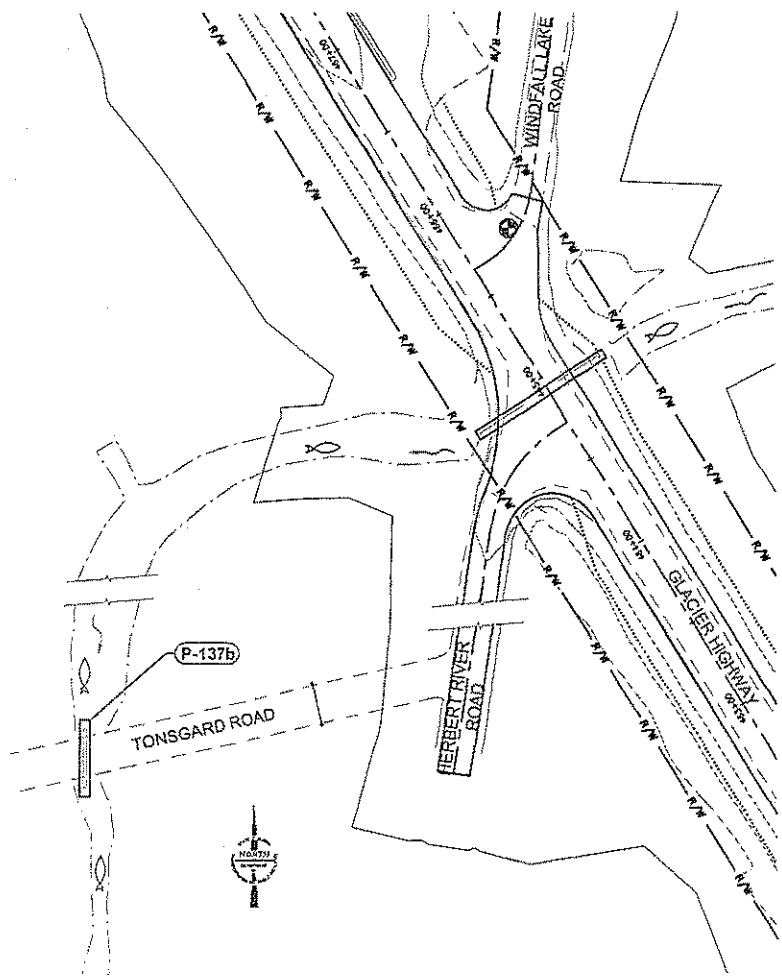
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



PLAN VIEW PIPE 137b



PROFILE PIPE 137b



LOCATION P-137b

HYDRAULIC SUMMARY		
CULVERT SIZE - 60" I/CAP WITH 2' IMBEDDED DEPTH		
DRAINAGE AREA = 34 ACRES		
LENGTH	40.0 ft ✓	
INVERT ELEVATIONS	21.89 ft (INLET)	
	21.89 ft (OUTLET)	
DESIGN FREQUENCY	DESIGN FLOWS [CFS]	DESIGN HIGHWATER ELEVATION
Q ₅₀	33	26.5 ft
Q ₁₀₀	37	26.7 ft
CAPACITY	>37 CFS	
PURPOSE: STREAM CHANNEL CROSSING WITH MINIMUM Q50 DESIGN CAPACITY AND FISH PASSAGE PROVISIONS.		
WORK WINDOW: 5 DAYS FROM START OF IN-WATER WORK		

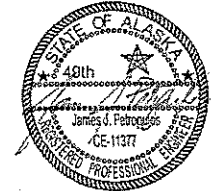
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STEVENS, DAVID A (DOT)		
TAB: H9 Mon, 11 May 2009 - 8:05am		
ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION

JUN_GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

Culvert Plan & Profile

CHECKED BY: C. Tripp



DESIGNED BY: J. Petropoulos
DRAWN BY: B.W.B./

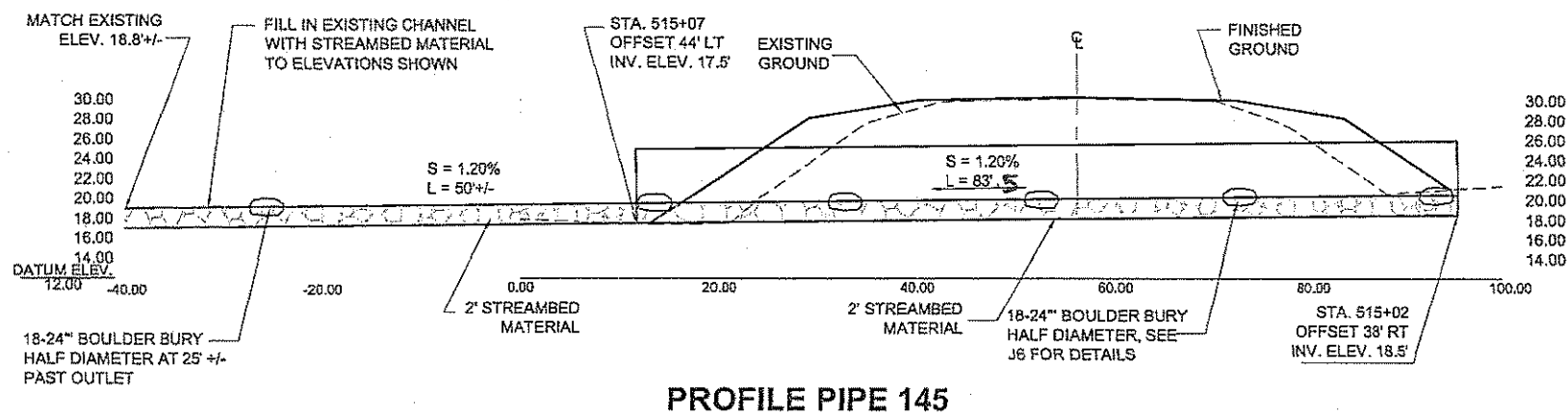
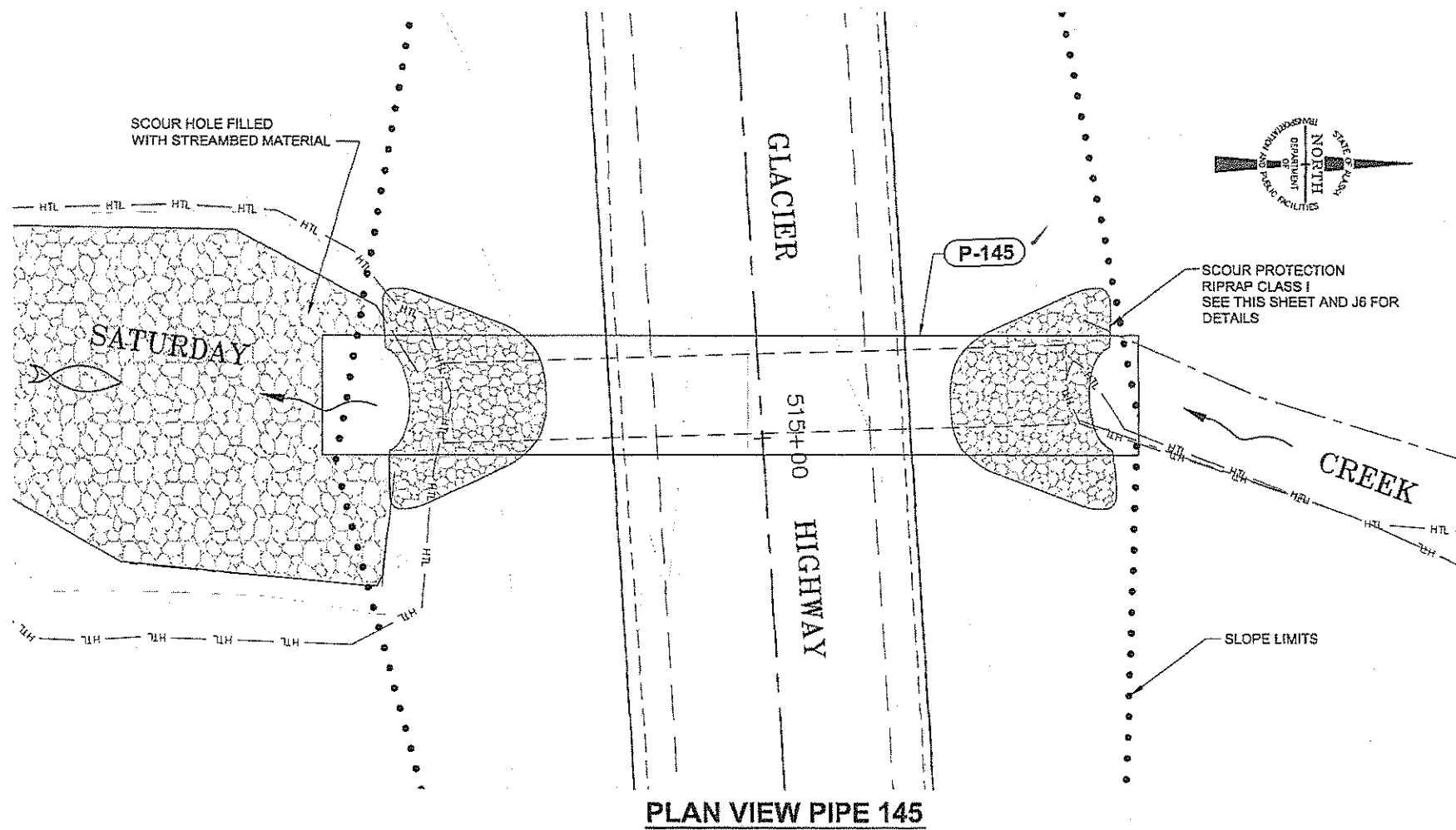
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD
TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

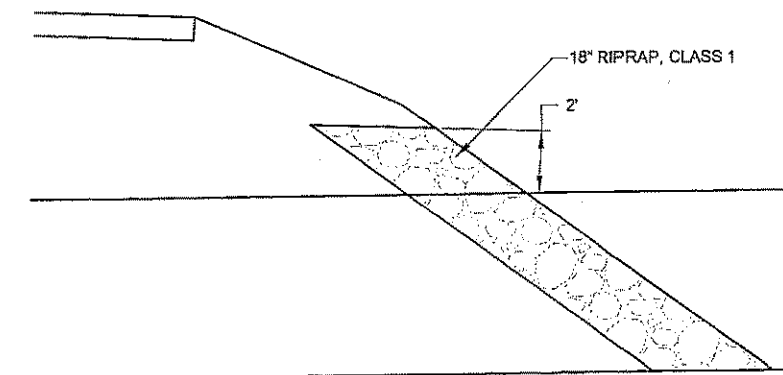
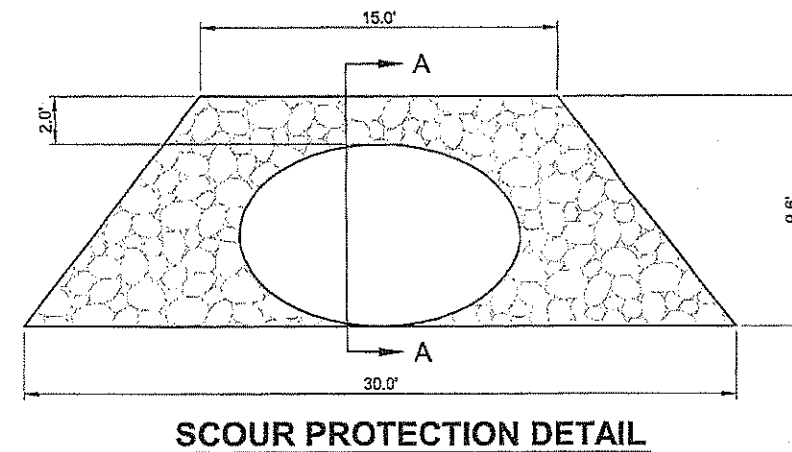
**Culvert
Plan & Profile**

PROJECT DESIGNATION	
STP-093-3(27) ~ 68832	
STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
H9	100

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



HYDRAULIC SUMMARY		
CULVERT SIZE -11'-10" X 7'-7" SPICAPA w/2' EMBEDDED DEPTH		
DRAINAGE AREA = 690 ACRES		
LENGTH	-83.0-ft 83.5 ft	
INVERT ELEVATIONS	18.5 ft (INLET)	
	17.5 ft (OUTLET)	
DESIGN FREQUENCY	DESIGN FLOWS [CFS]	DESIGN HIGHWATER ELEVATION
Q ₅₀	398	26.8 ft
Q ₁₀₀	446	27.4 ft
CAPACITY	>446 CFS	
PURPOSE: STREAM CHANNEL CROSSING WITH MINIMUM Q50 DESIGN CAPACITY AND FISH PASSAGE PROVISIONS.		
WORK WINDOW: 10 DAYS FROM START OF IN-WATER WORK		



SECTION A-A
SCOUR PROTECTION SECTION

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 4/14/2011

PATH: Q:\JUN08\832\PLANSET\H_CULVERTS.DWG

STEVENS, DAVID A (DOT)
TAS: H10 Tue, 05 May 2009 - 1:22pm

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

JUN GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

Culvert Plan & Profile

CHECKED BY: C. Tripp

DESIGNED BY: J. Petropoulos

DRAWN BY: B.W.B./

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

Culvert Plan & Profile

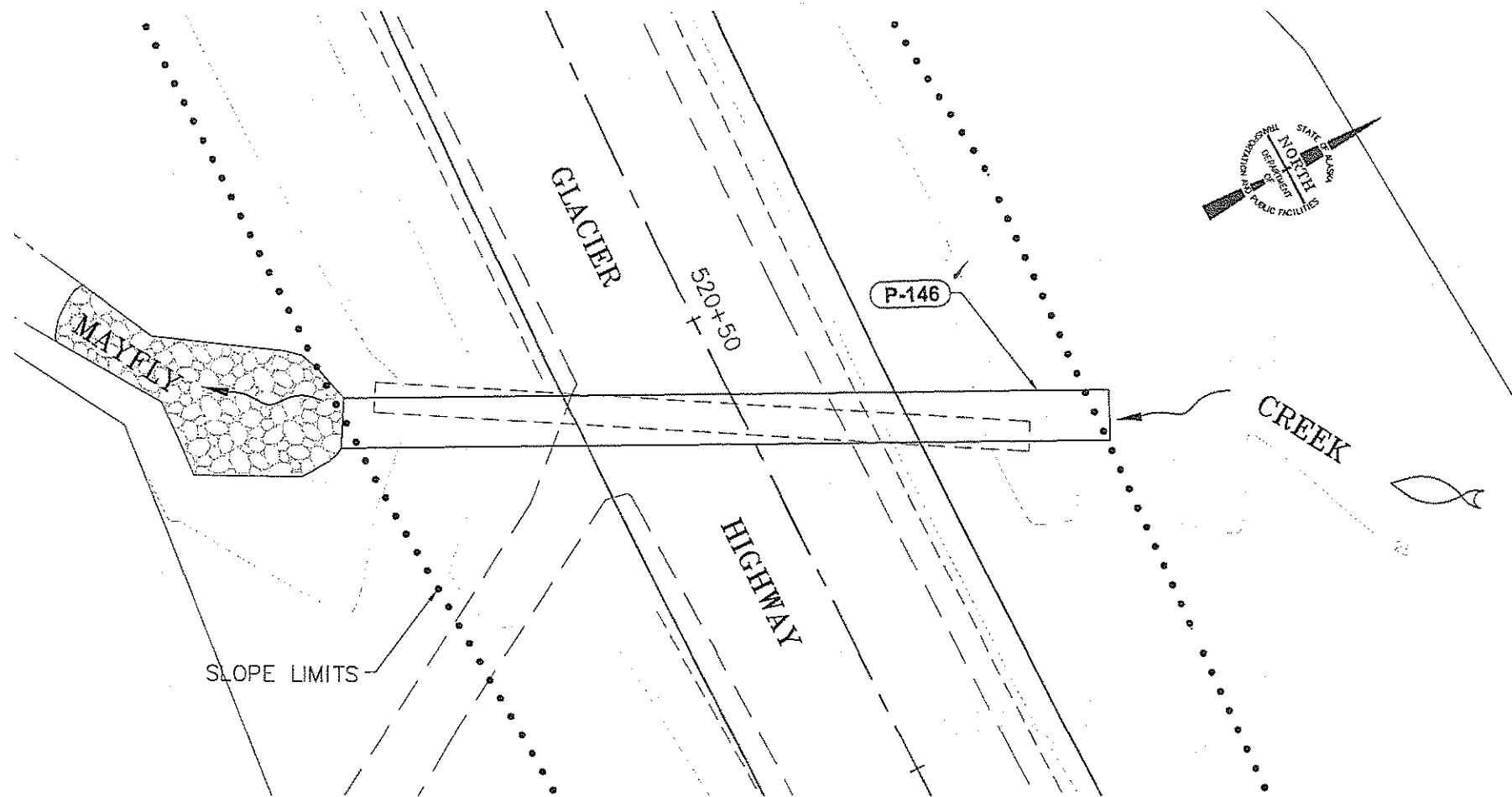
PROJECT DESIGNATION

STP-093-3(27) ~ 68832

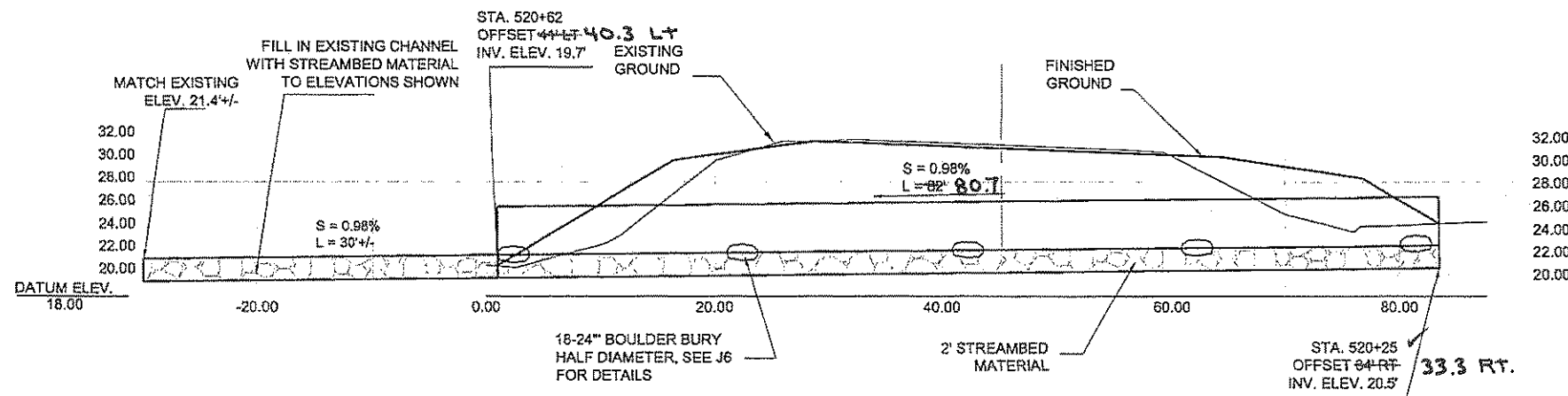
STATE	YEAR
ALASKA	2009

SHEET NUMBER	TOTAL SHEETS
H10	100

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



PLAN VIEW PIPE 146



PROFILE PIPE 146

HYDRAULIC SUMMARY		
CULVERT SIZE - 112" X 75" ICAPA		
DRAINAGE AREA = 240 ACRES		
LENGTH	82.0 ft 80.7 ft	
INVERT ELEVATIONS	20.5 ft (INLET)	
	19.7 ft (OUTLET)	
DESIGN FREQUENCY	DESIGN FLOWS [CFS]	DESIGN HIGHWATER ELEVATION
Q ₅₀	166	26.9 ft
Q ₁₀₀	186	27.3 ft
CAPACITY	>186 CFS	
PURPOSE: STREAM CHANNEL CROSSING WITH MINIMUM Q50 DESIGN CAPACITY AND FISH PASSAGE PROVISIONS.		
WORK WINDOW: 10 DAYS FROM START OF IN-WATER WORK		

PATH: Q:\JUN08\6832\PLAN\SET\H_CULVERTS.DWG

STEVENS, DAVID A (DOT)

TAB: H11 Tue, 05 May 2009 - 10:32am

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

JUN GLACIER HIGHWAY & TRAILHEAD

STAGE II-AMALGA HARBOR ROAD TO KAYAK LAUNCH

STP-093-3(27) ~ 68832

Culvert Plan & Profile

CHECKED BY: C. Tripp

DESIGNED BY: J. Petropoulos

DRAWN BY: B.W.B./

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD
TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

Culvert Plan & Profile

PROJECT DESIGNATION

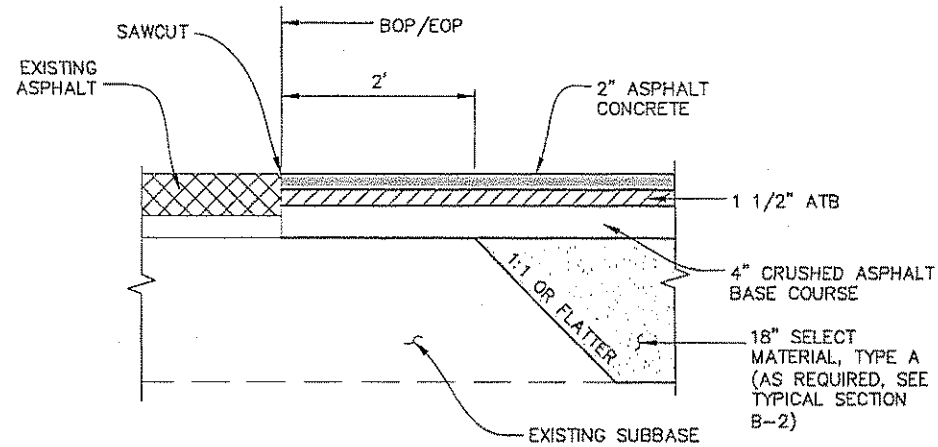
STP-093-3(27) ~ 68832

STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
H11	100

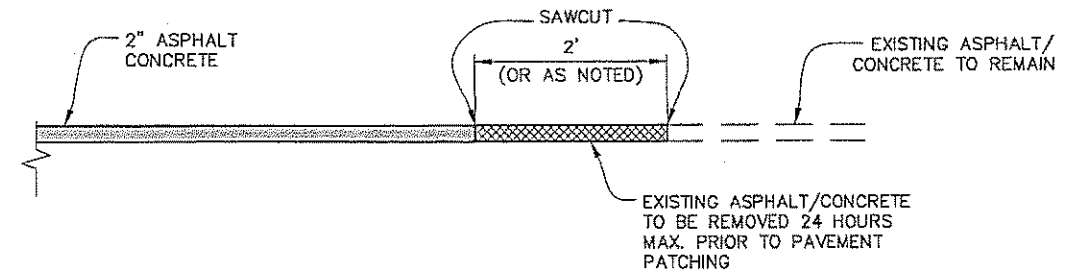
Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.

PE *Cheryl Culbert* Date *4/14/2011*

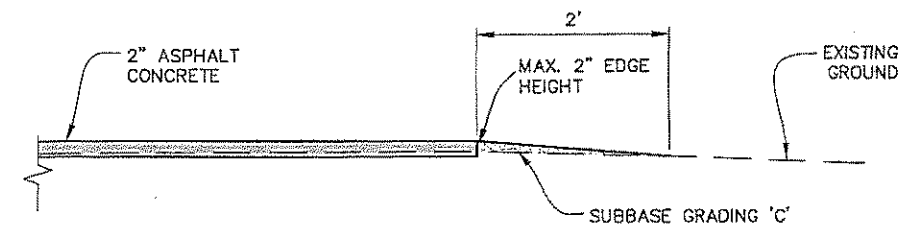
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



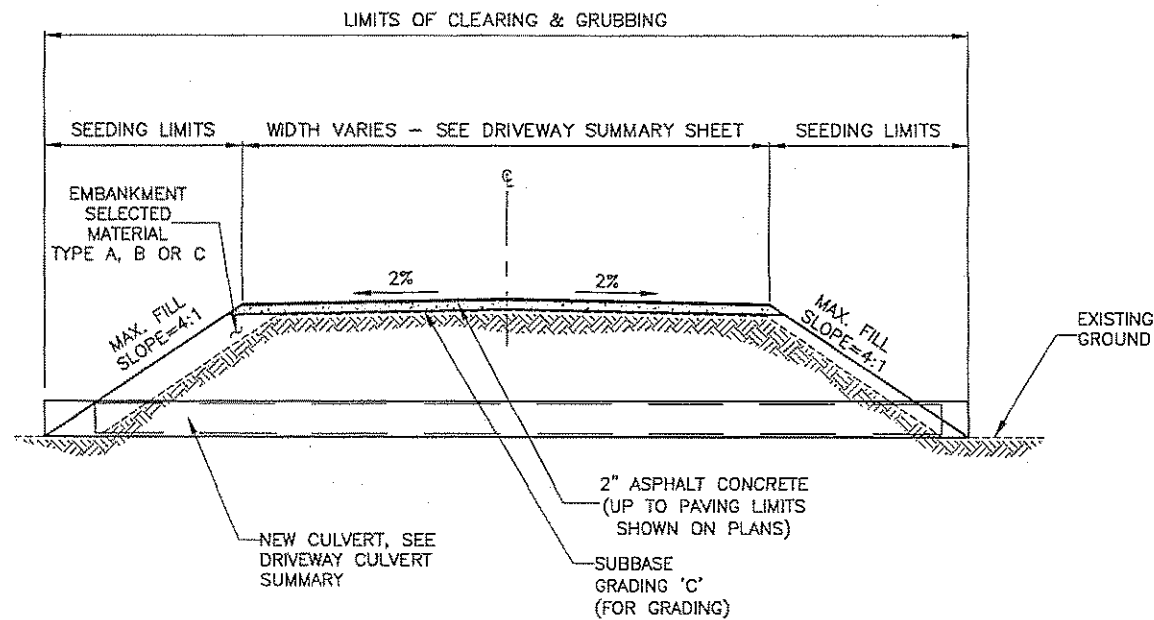
**PAVEMENT MATCH JOINT DETAIL
BEGIN/END OF PROJECT**



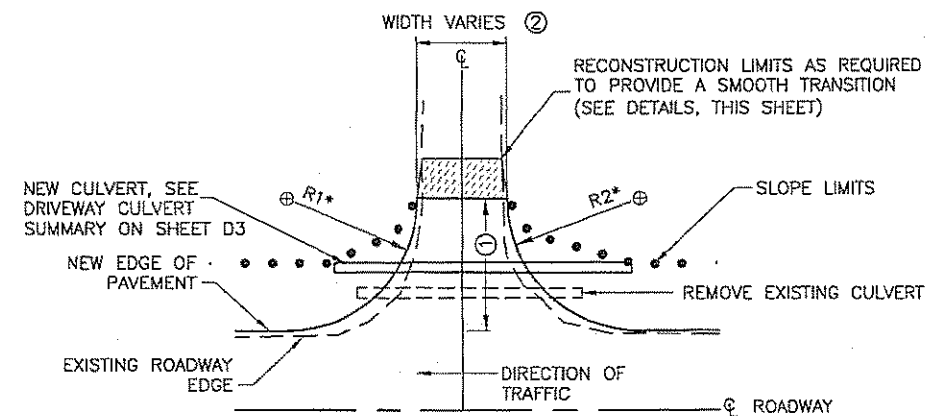
**PAVEMENT MATCH JOINT DETAIL
EXISTING PAVED APPROACHES**



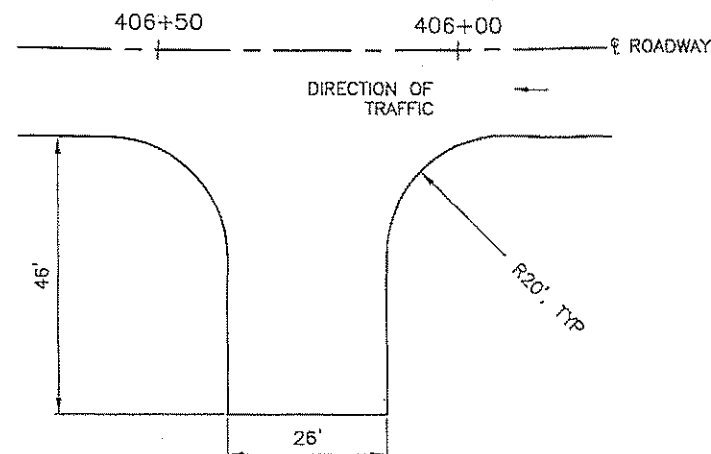
**PAVEMENT MATCH JOINT DETAIL
EXISTING UN-PAVED APPROACHES**



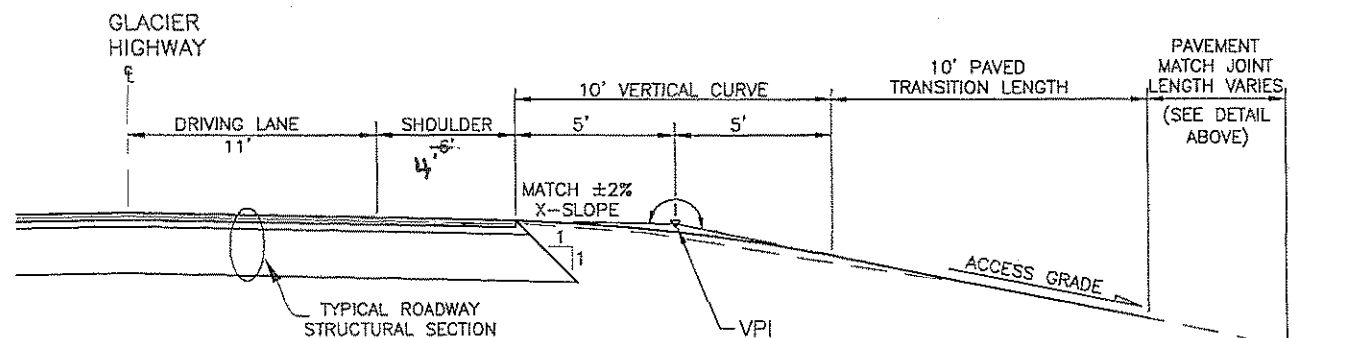
**APPROACH/DRIVEWAY
TYPICAL SECTION**



**APPROACH / DRIVEWAY / APRON
PLAN VIEW**



**BUS TURNOUT
PLAN VIEW**



**DRIVEWAY/APPROACH
TYPICAL PROFILE**

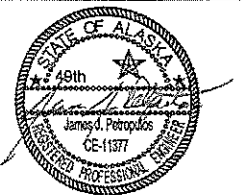
PATH:Q:\JUNIG6832\PLANSET\J1-8_MISGDET.DWG

STEVENS, DAVID A (DOT)		
TAS: J1 Tue, 05 May 2009 - 10:33am		
ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION

JUN GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

**Approach/Driveway/Parking Apron
Typical Details**

CHECKED BY: C. Tripp



DESIGNED BY: J. Petropoulos

DRAWN BY: B.W.B./

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD
TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

**Approach/
Driveway Details**

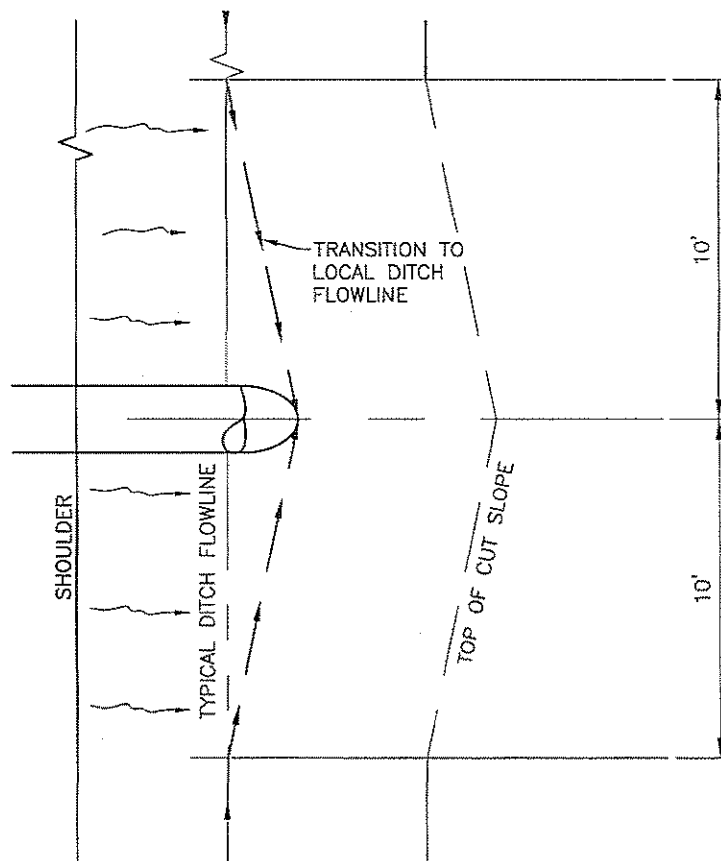
PROJECT DESIGNATION
STP-093-3(27) ~ 68832

STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
J1	100

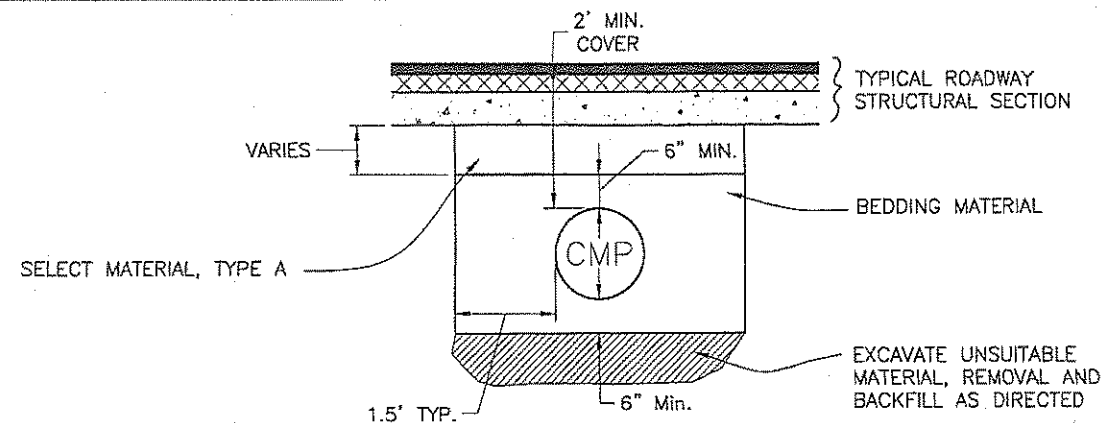
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

DITCH TRANSITION NOTES:

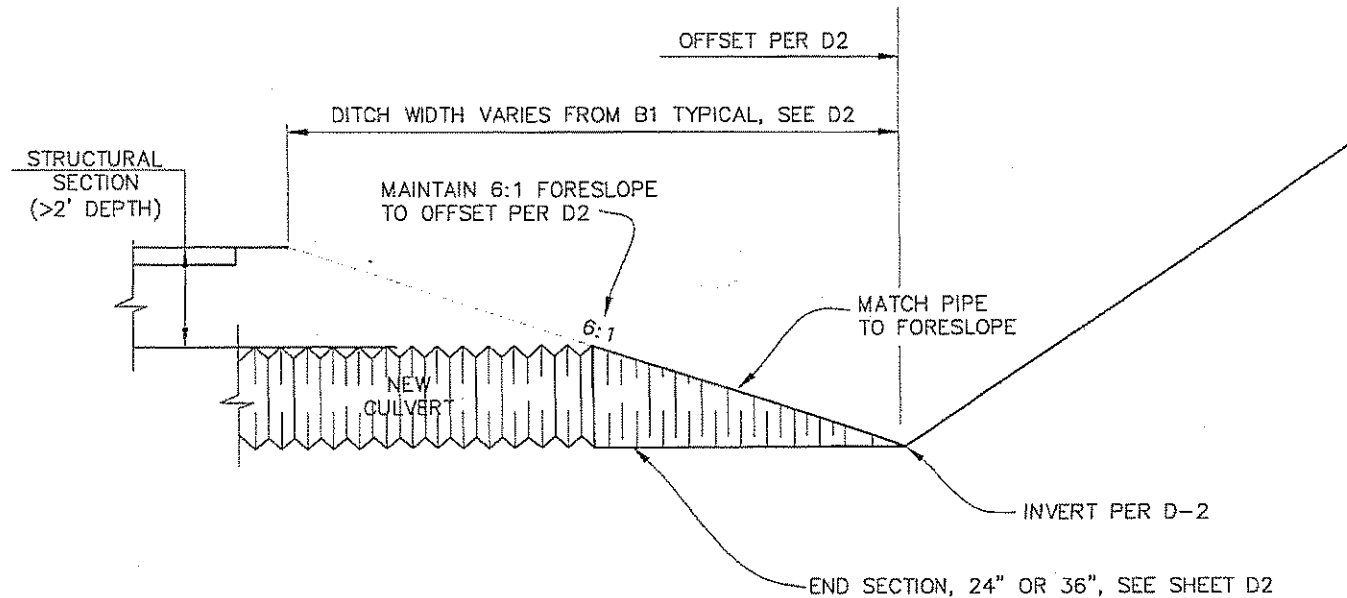
1. SEE STANDARD DRAWING D-07.00 FOR CULVERT BEVELLING DIMENSIONS ON PIPES 5' IN DIAMETER OR LARGER.
2. TRANSITION NEW DITCH SMOOTHLY TO MATCH EXISTING PROPOSED CONDITIONS AS DIRECTED BY THE ENGINEER.



**ALTERNATE DITCH DETAIL
TRANSITION**

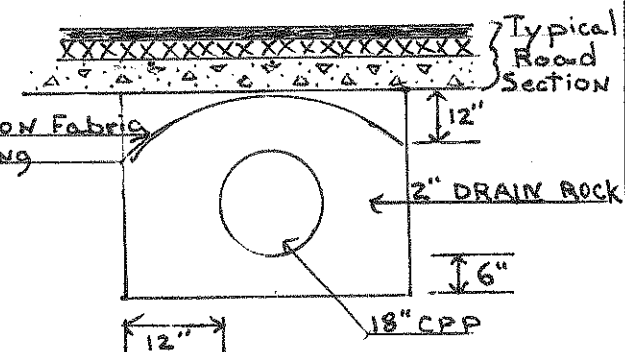


**TYPICAL PIPE TRENCHING
& BEDDING DETAIL**



ALTERNATE DITCH DETAIL

NTS
Geotextile Separation Fabric
Wrapped & overlapping



Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE *Ally R. Smith* Date *4/14/2011*

French Drain Detail Sheet F-1 351+27

PATH: Q:\JUN08032\PLANSET\J1-8_MISCDT.DWG

STEVENS, DAVID A (DOT)

TAB: J2 Tue, 05 May 2009 - 10:33am

ADDENDUM NUMBER

ATTACHMENT NUMBER

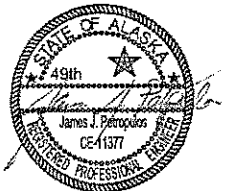
RECORD OF REVISIONS

No.	DATE	DESCRIPTION

JUN_GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

**Ditch Transition &
Typical Pipe Trenching/
Bedding Details**

CHECKED BY: C. Tripp



DESIGNED BY: J. Petropoulos

DRAWN BY: B.W.BJ

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD
TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

**Ditch Transition &
Pipe Trenching
Details**

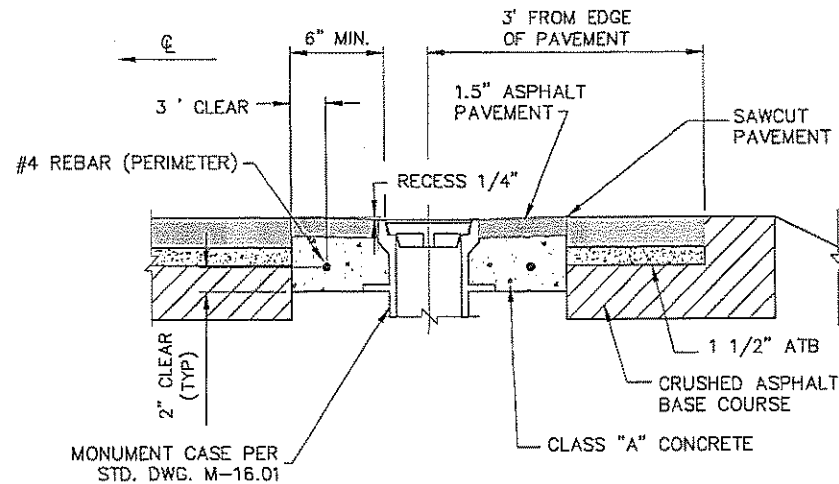
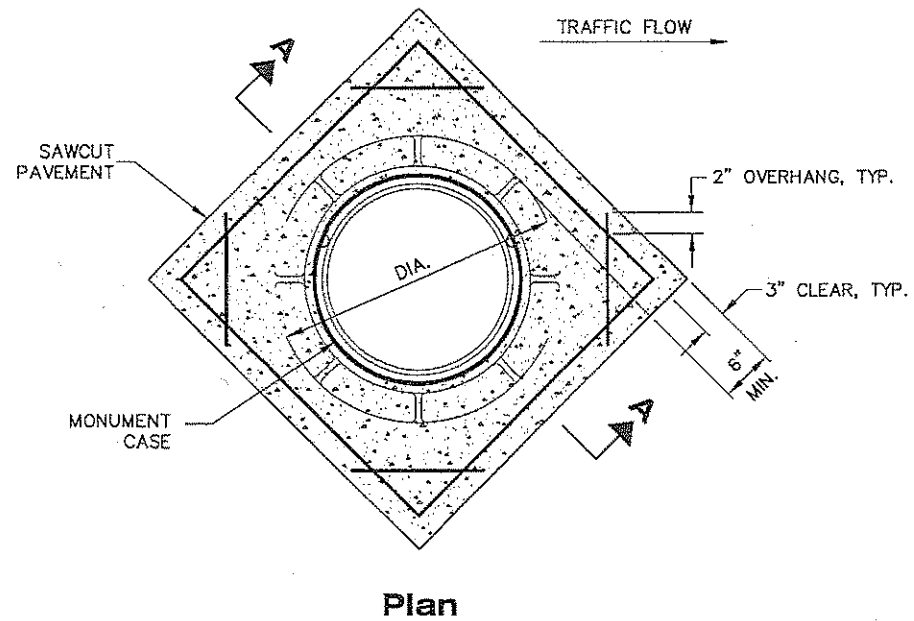
PROJECT DESIGNATION

STP-093-3(27) ~ 68832

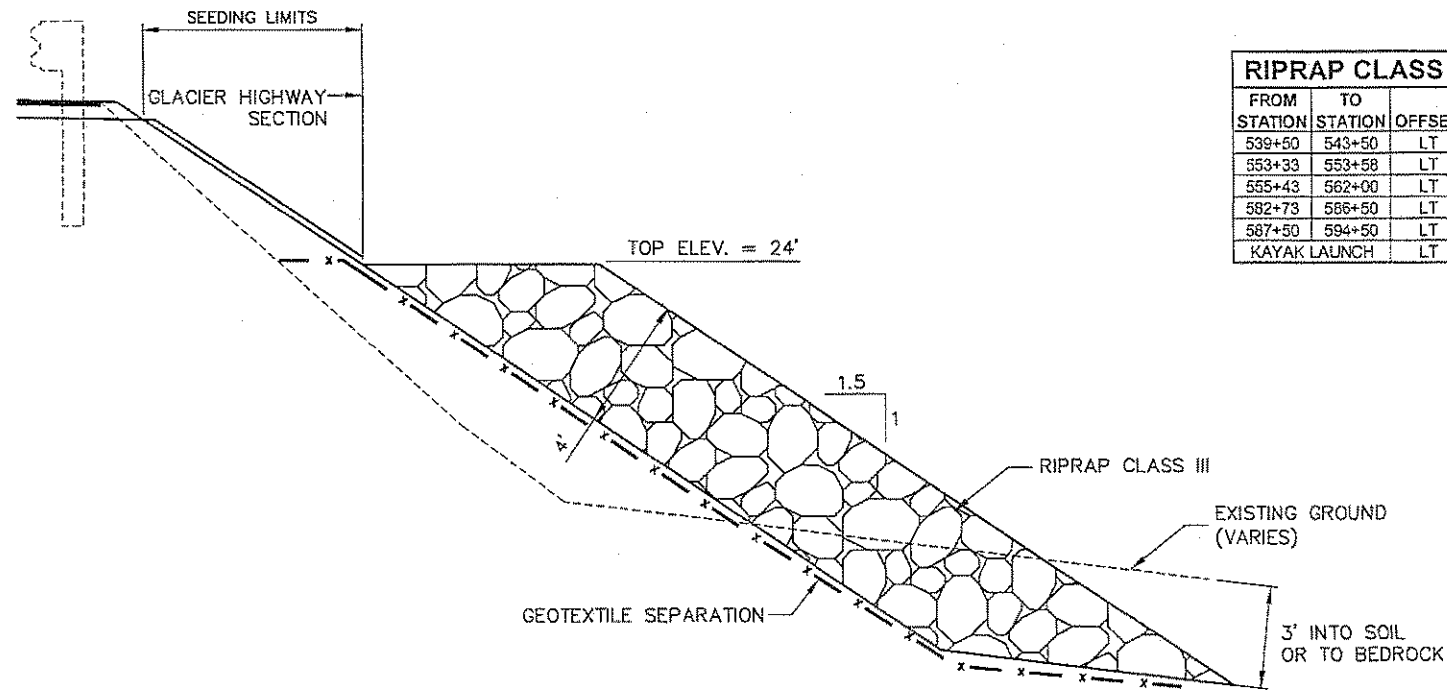
STATE	YEAR
ALASKA	2009

SHEET NUMBER	TOTAL SHEETS
J2	100

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



MONUMENT ENCASEMENT DETAIL
REFER TO PLAN SHEETS / SUMMARY TABLES
FOR APPROXIMATE LOCATIONS.



RIPRAP CLASS III TABLE			
FROM STATION	TO STATION	OFFSET	VOLUME(C.Y.)
539+50	543+50	LT	720
553+33	553+58	LT	130
555+43	562+00	LT	890
582+73	586+50	LT	410
587+50	594+50	LT	1480
KAYAK LAUNCH		LT	370

ROCK SLOPE PROTECTION DETAIL
NO SCALE

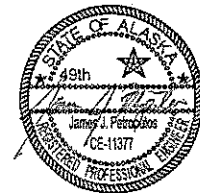
PATH:Q:\JUN068832\PLANSET\1-8_MISCDT.DWG

STEVENS, DAVID A [DOT]		
TAB: J3		Tue, 05 May 2009 - 10:33am
ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION

JUN GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

Miscellaneous Details

CHECKED BY: C. Tripp



DESIGNED BY: J. Petropoulos

DRAWN BY: B.W.B./

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD
TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

Miscellaneous
Details

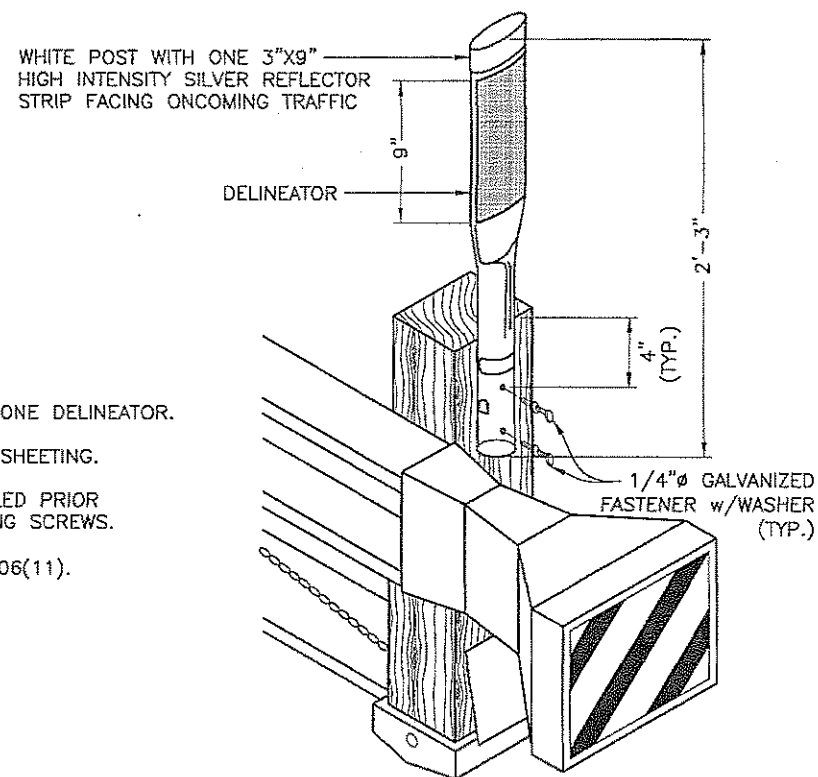
PROJECT DESIGNATION
STP-093-3(27) ~ 68832

STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
J3	100

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

DELINEATOR NOTES:

1. EACH ET-PLUS GUARDRAIL END SHALL HAVE ONE DELINEATOR.
2. DELINEATORS SHALL HAVE WHITE REFLECTIVE SHEETING.
3. STEEL POST GUARDRAIL SHALL BE PRE-DRILLED PRIOR TO SECURING DELINEATOR WITH SELF-TAPPING SCREWS.
4. DELINEATOR SHALL BE INCIDENTAL TO ITEM 606(11).

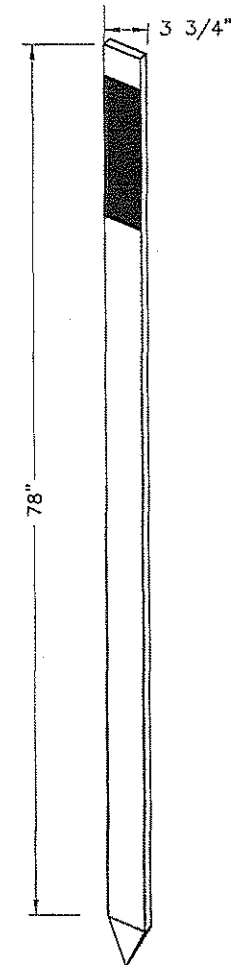


FLEXIBLE GUARDRAIL DELINEATOR

NO SCALE

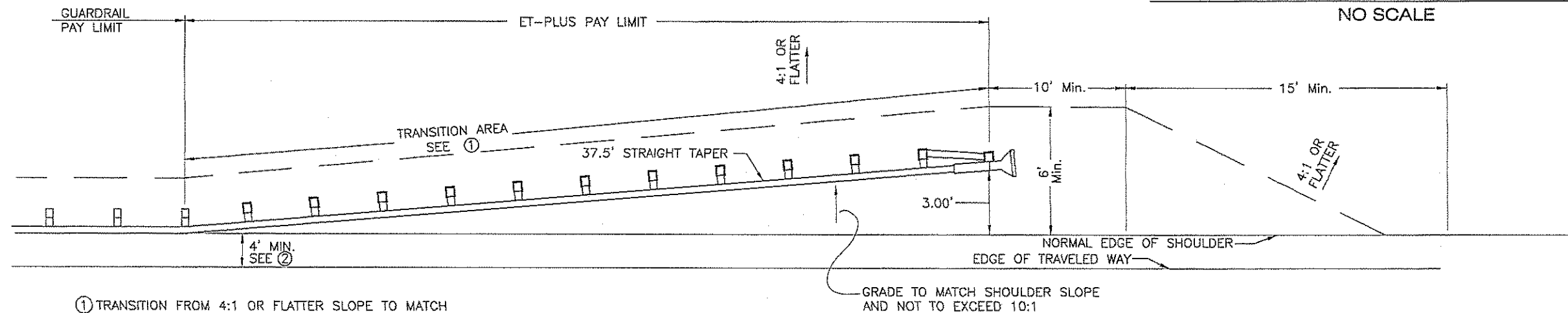
FLEXIBLE DELINEATORS NOTES:

1. DELINEATORS SHALL BE INSTALLED EVERY 200' ON TANGENT SECTIONS OF ROADWAY, AND EVERY 100' ON CURVES AT BOTH SIDES OF THE ROAD.
2. DELINEATORS SHALL BE WHITE IN COLOR. DELINEATORS INSTALLED ON OUTSIDE SHOULDERS SHALL HAVE WHITE REFLECTIVE SHEETING.



FLEXIBLE DELINEATOR DETAILS

NO SCALE



- ① TRANSITION FROM 4:1 OR FLATTER SLOPE TO MATCH TYPICAL SLOPE AT THE BEGINNING OF GUARDRAIL PAY LIMIT.
- ② NARROWS AT BRIDGE APPROACH, SEE PLANS

ET-PLUS INSTALLATION WIDENING DETAILS

NO SCALE

NOTES:

1. SUITABLE MATERIAL, AS DETERMINED BY THE ENGINEER, FOR WIDENING SHALL BE INCIDENTAL TO ITEM 606 (11).

PATH:Q:\JUN\68832\PLANSET\J4-MISCDET.DWG

STEVENS, DAVID A (DOT)
TAB: J4 Tue, 05 May 2009 - 10:34am

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

JUN_GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

ET-PLUS Details

CHECKED BY: C. Tripp



DESIGNED BY: J. Petropoulos

DRAWN BY: B.W.B./

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

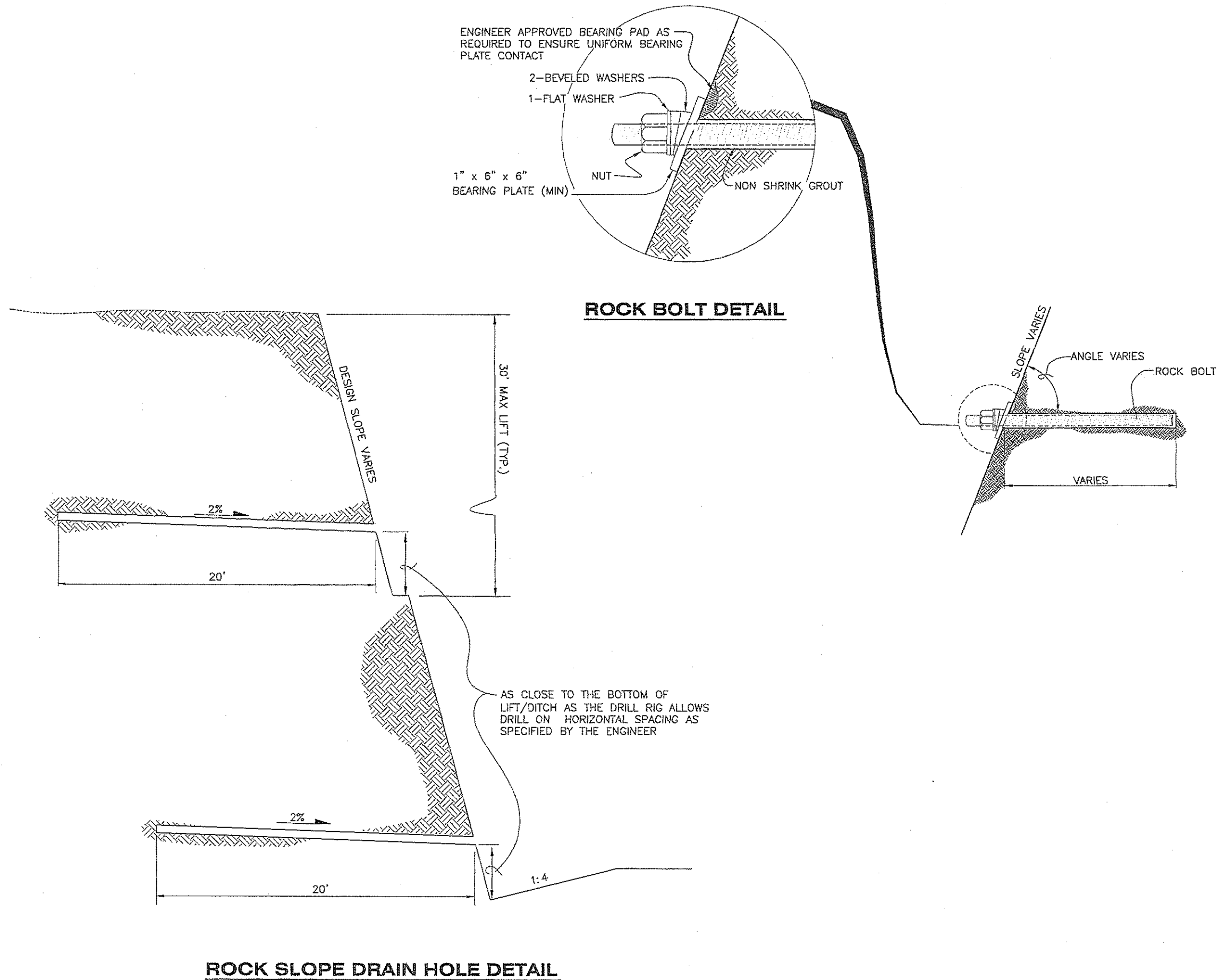
GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD
TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

ET-PLUS Details

PROJECT DESIGNATION
STP-093-3(27) ~ 68832

STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
J4	100

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



PATH:Q:\JUN168832\PLANSET\J1-8_MISCDET.DWG

STEVENS, DAVID A (DOT)
TAB: J5 Tue, 05 May 2009 - 10:34am

RECORD OF REVISIONS		
No.	DATE	DESCRIPTION

JUN GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

Miscellaneous Details

CHECKED BY: C. Tripp



DESIGNED BY: J. Petropoulos

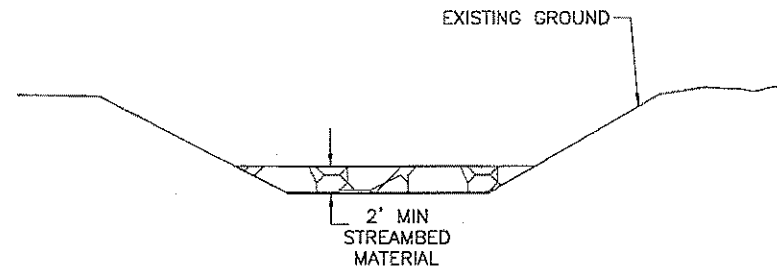
DRAWN BY: B.W.B./

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION
GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD
TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

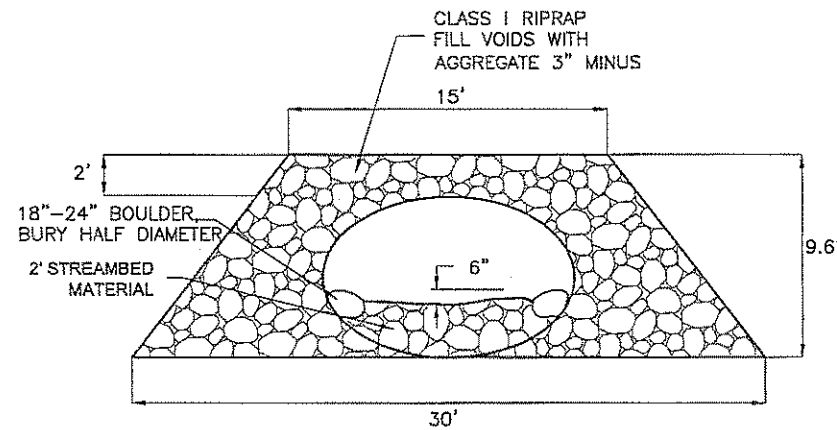
Miscellaneous Details

PROJECT DESIGNATION	
STP-093-3(27) ~ 68832	
STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
J5	100

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



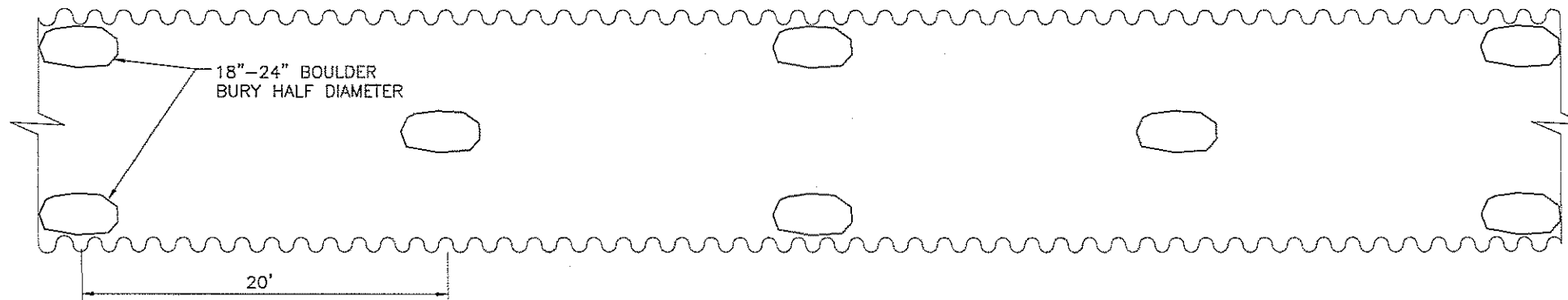
**PIPE 146 AND PIPE 146
SCOUR HOLE FILL DETAIL**



**PIPE 146
SCOUR PROTECTION DETAIL**

NOTES:

1. THE TOE PLATE EXTENSIONS SHALL BE PUNCHED WITH HOLES TO MATCH THOSE IN LIP OF SKIRT AND FASTENED WITH 3/8 INCH OR LARGER GALVANIZED NUTS AND BOLTS AND SHALL BE THE SAME GAGE AS THE END SECTION.
2. ALL 3 PIECE BODIES SHALL HAVE 12 GAGE SIDES AND 10 GAGE CENTER PANELS. MULTIPLE PANEL BODIES SHALL HAVE LAP SEAMS WHICH ARE TO BE TIGHTLY JOINED BY 3/8" GALVANIZED RIVETS OR BOLTS.



**PIPE 145 AND PIPE 146
PLAN VIEW-BOULDER PLACEMENT**

PATH:Q:\JUN\68832\PLANSET\J1-8_MISCDT.DWG

STEVENS, DAVID A (DOT)
TAB: J6 Tue, 05 May 2009 - 10:34am

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

JUN GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

**Boulder Placement and
Inlet and Outlet Details**

CHECKED BY: C. Tripp



DESIGNED BY: J. Petropoulos

DRAWN BY: B.W.B./

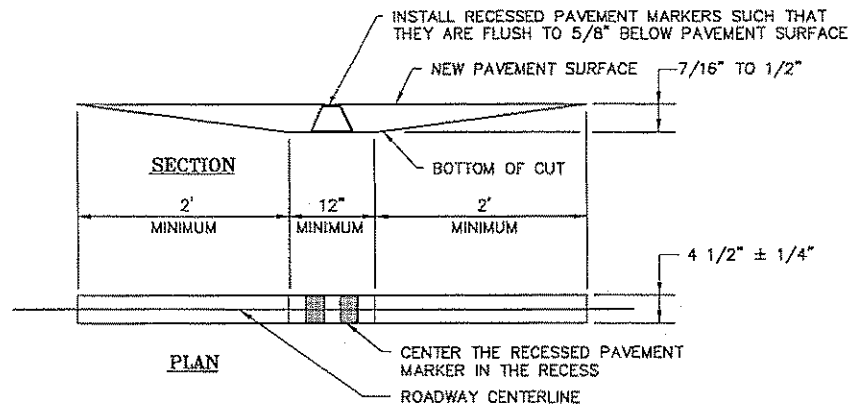
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD
TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

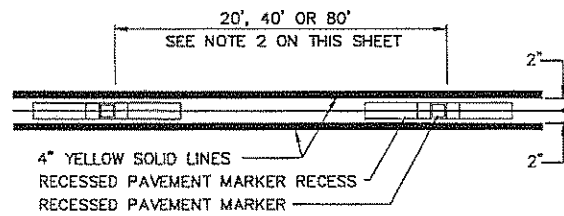
**Boulder Placement
and Inlet
and Outlet Details**

PROJECT DESIGNATION
STP-093-3(27) ~ 68832

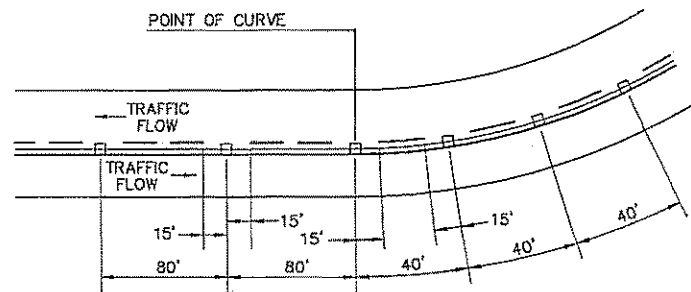
STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
J6	100



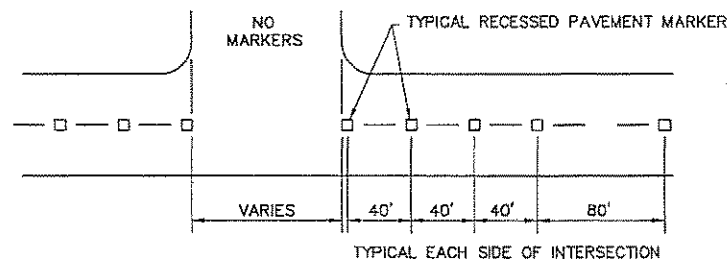
RECESSED PAVEMENT MARKER DETAIL



RECESSED PAVEMENT MARKER
INSTALLATION DETAILS



RECESSED PAVEMENT MARKER
PLAN LAYOUT DETAIL



RECESSED PAVEMENT MARKER DETAIL
FOR INTERSECTION APPROACHES

RECESSED PAVEMENT MARKER NOTES

1. RECESSED PAVEMENT MARKERS (R.P.M.'s) SHALL BE INSTALLED BETWEEN THE B.O.P. AND THE E.O.P. RPM'S SHALL NOT BE PLACED IN INTERSECTIONS WITH PUBLIC ROADWAYS.
2. R.P.M.'s SHALL BE SPACED AT 80' ON TANGENT SECTIONS OF ROADWAY; ON CURVES THE R.P.M.'s SHALL BE SPACED AT EVERY 40'.
3. ON ALL ROADWAY SECTIONS WITH DOUBLE LINES (EITHER BROKEN OR SOLID) R.P.M.'s SHALL BE PLACED BETWEEN THE LINES. ON SECTIONS OF ROADWAY WITH SINGLE BROKEN LINES THE R.P.M.'s SHALL BE PLACED ON THE CENTERLINE BETWEEN THE STRIPES.
4. THE LOCATIONS OF ALL PASSING AND NO-PASSING ZONES SHALL BE DETERMINED AND LOCATED IN THE FIELD BY THE ADOT&PF TRAFFIC ENGINEER PRIOR TO FINAL PAVEMENT STRIPING. CONTRACTOR SHALL CONTACT THE ENGINEER AND REGIONAL TRAFFIC ENGINEER AFTER FINAL PAVING AND A MINIMUM OF 5 BUSINESS DAYS PRIOR TO FINAL STRIPING TO MARK THE LOCATIONS OF PASSING/NO PASSING ZONES.
5. RPM SPACING SHALL START OVER AT INTERSECTION BOUNDARY.
6. REFLECTIVE PAVEMENT MARKERS SHALL HAVE DUAL YELLOW REFLECTIVE SURFACES FOR TWO-LANE ROADWAY AREAS.

PATH:Q:\JUN06\8032\PLANSET\J1-8_MISCDDET.DWG

STEVENS, DAVID A (DOT)
TAB: J7 Tue, 05 May 2009 - 10:34am

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

JUN GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

Recessed Pavement Marker Details

CHECKED BY: C. Tripp



DESIGNED BY: J. Petropoulos

DRAWN BY: B.W.B./

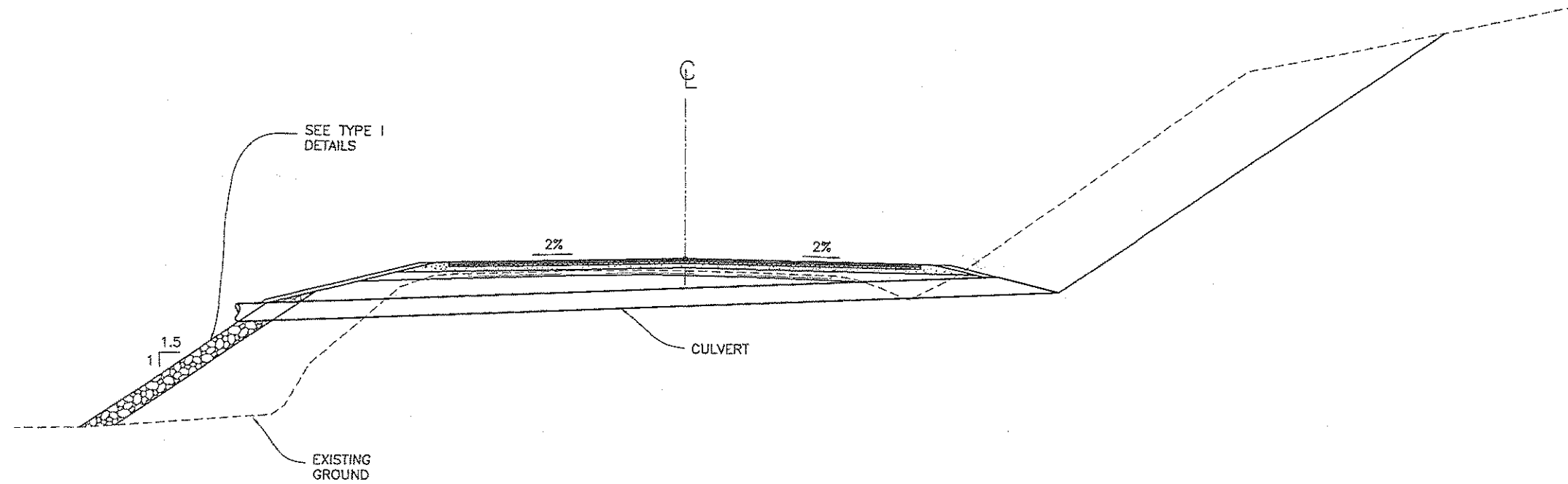
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD
TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

Recessed Pavement
Marker Details

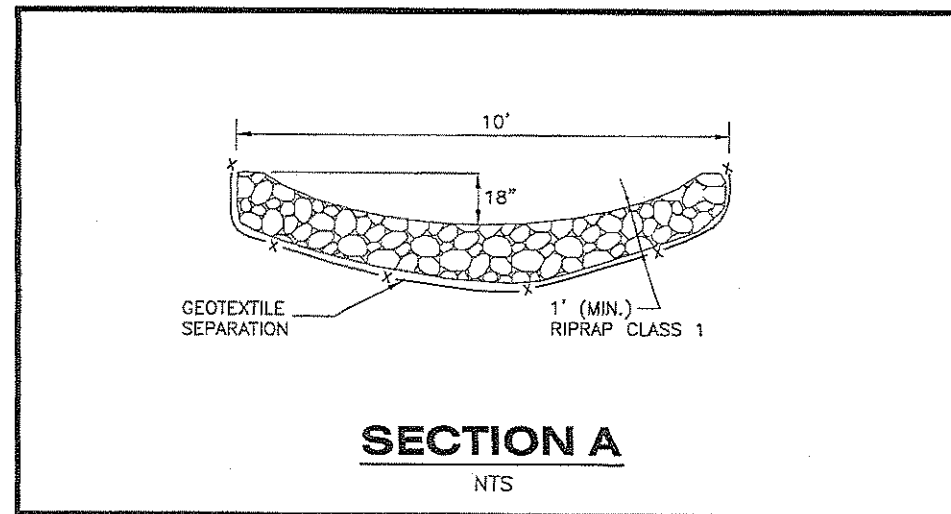
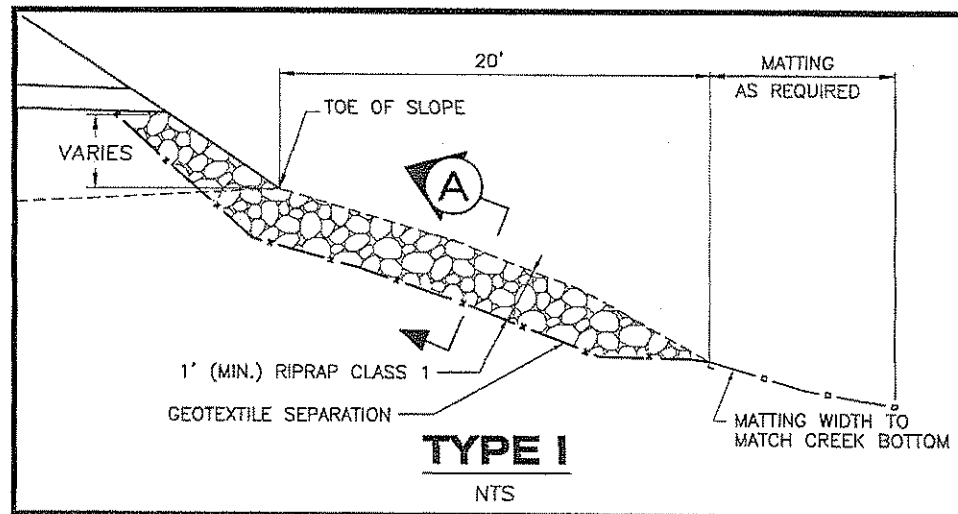
PROJECT DESIGNATION	
STP-093-3(27) ~ 68832	
STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
J7	100

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



ROCK FLUME SECTION

NTS



ROCK FLUME DETAILS

NTS

(SEE PIPE SUMMARY SHEET D2 FOR LOCATIONS)

PATH:Q:\JUN_06\6832\PLANSET\J1-8_MISCDT.DWG

STEVENS, DAVID A (DOT)
TAB: J8 Tue, 05 May 2009 - 10:34am

ADDENDUM NUMBER

ATTACHMENT NUMBER

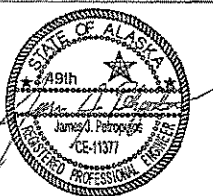
RECORD OF REVISIONS

No.	DATE	DESCRIPTION

JUN_06 GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

Rock Flume Details

CHECKED BY: C. Tripp



DESIGNED BY: J. Petropoulos

DRAWN BY: B.W.B./

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD
TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

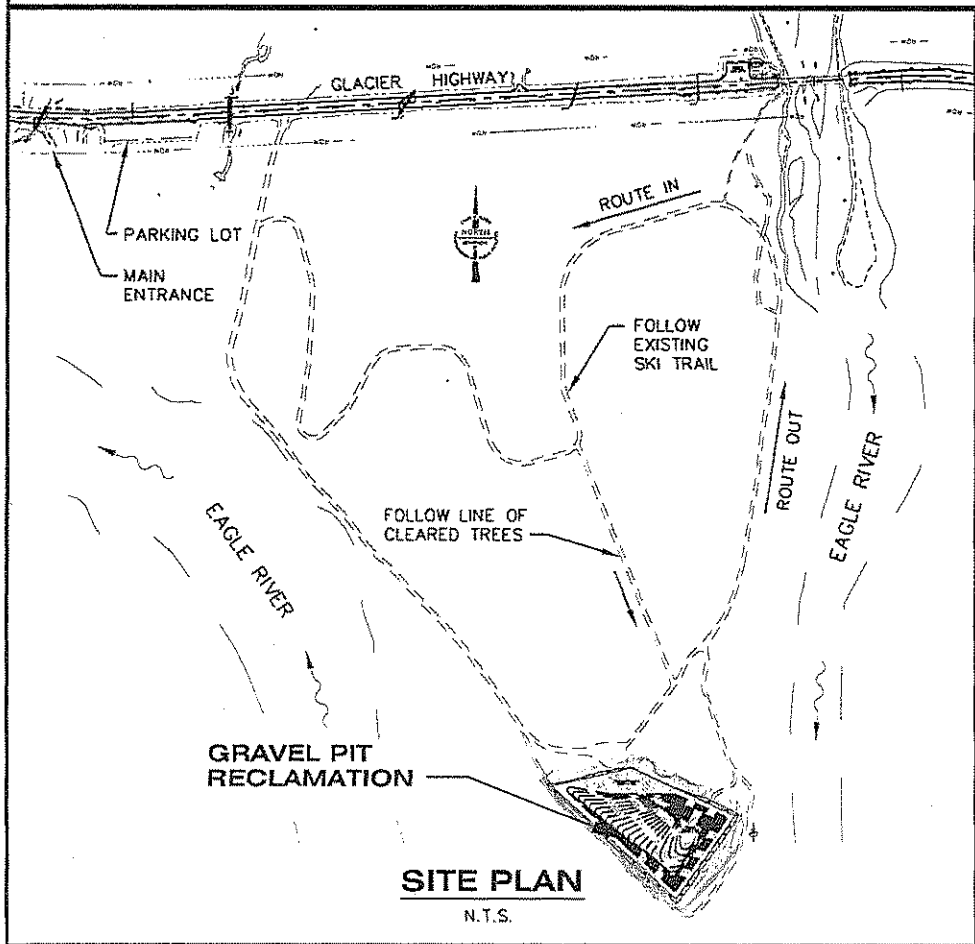
Rock Flume
Details

PROJECT DESIGNATION

STP-093-3(27) ~ 68832

STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
J8	100

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



NOTES:

1. ADD GRAVEL AS NECESSARY TO EXISTING SKI TRAIL TO OBTAIN 14' WIDE SINGLE LANE ROAD.
2. CAP WITH 8" MINUS, 1.0' DEPTH MIN., 0.25' TOPSOIL PER ESCP, HYDROSEED.
3. D.O.T. SURVEY CREW TO PROVIDE STAKING.
4. PROPOSED CONTOUR INTERVAL - 1.0'.

SITE PLAN



PATH:Q:\JUN168832\PLANSET\J9.DWG

STEVENS, DAVID A (DOT)
TAB: J9 Tue, 05 May 2009 - 2:24pm

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

JUN GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

Gravel Pit Reclamation



CHECKED BY: C. Tripp



DESIGNED BY: J. Petropoulos

DRAWN BY: B.W.B./

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD
TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

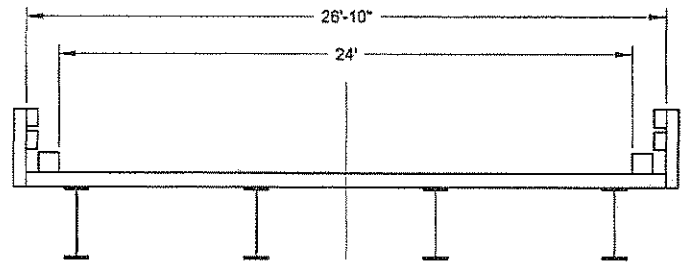
Gravel Pit
Reclamation

PROJECT DESIGNATION

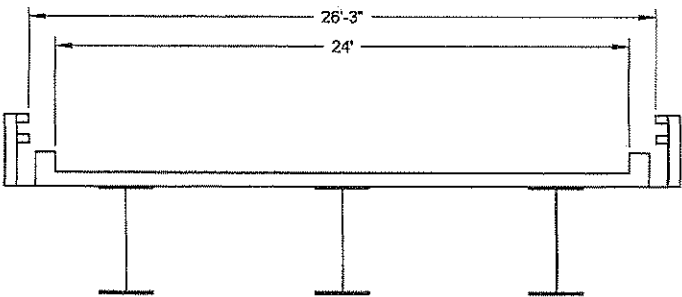
STP-093-3(27) ~ 68832

STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
J9	100

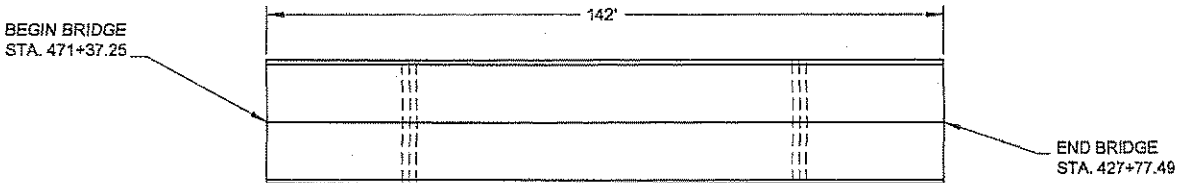
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



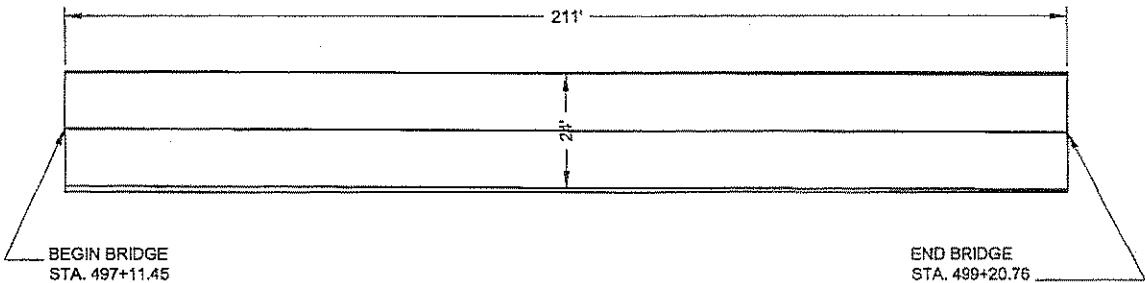
HERBERT RIVER BRIDGE



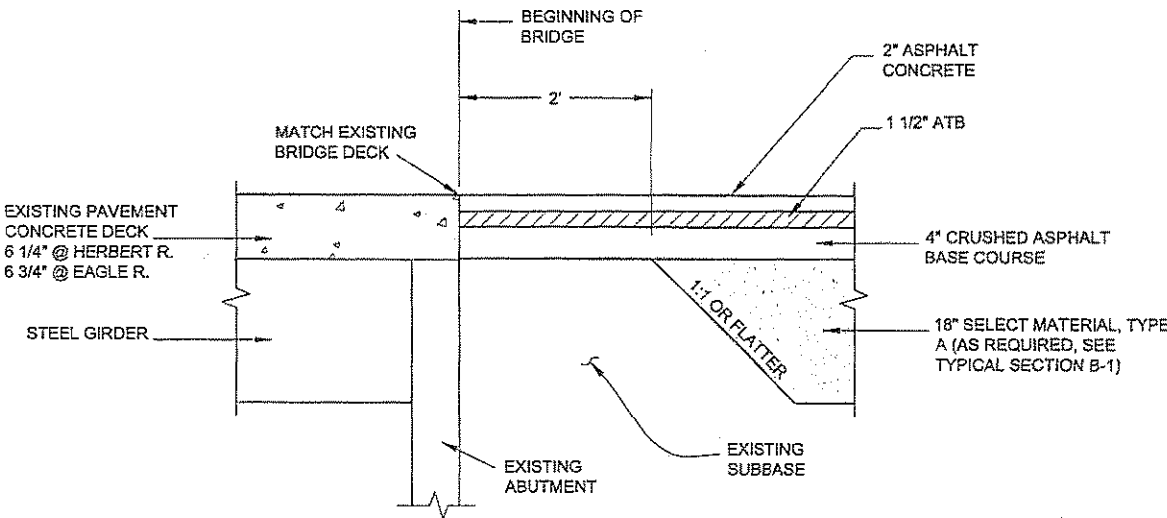
EAGLE RIVER BRIDGE



HERBERT RIVER BRIDGE



EAGLE RIVER BRIDGE



BRIDGE APPROACH DETAIL

PATH:Q:\JUN\68832\PLANSET\L_BRIDGE.DWG

STEVENS, DAVID A (DOT)
TAB: L1 Tue, 05 May 2009 - 10:37am

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

JUN GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

Bridge Work Plans

CHECKED BY: C. Tripp



DESIGNED BY: J. Petropoulos

DRAWN BY: B.W.BJ

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD
TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

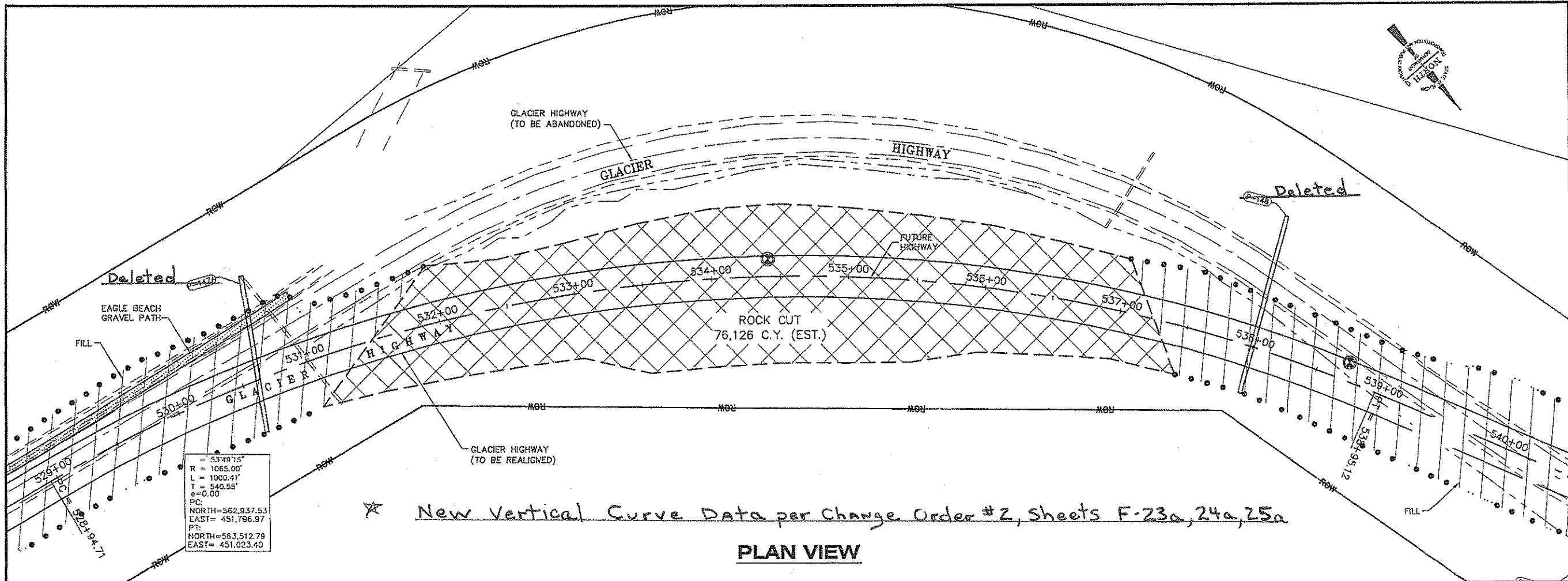
Bridge Work
Plans

PROJECT DESIGNATION

STP-093-3(27) ~ 68832

STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
L1	100

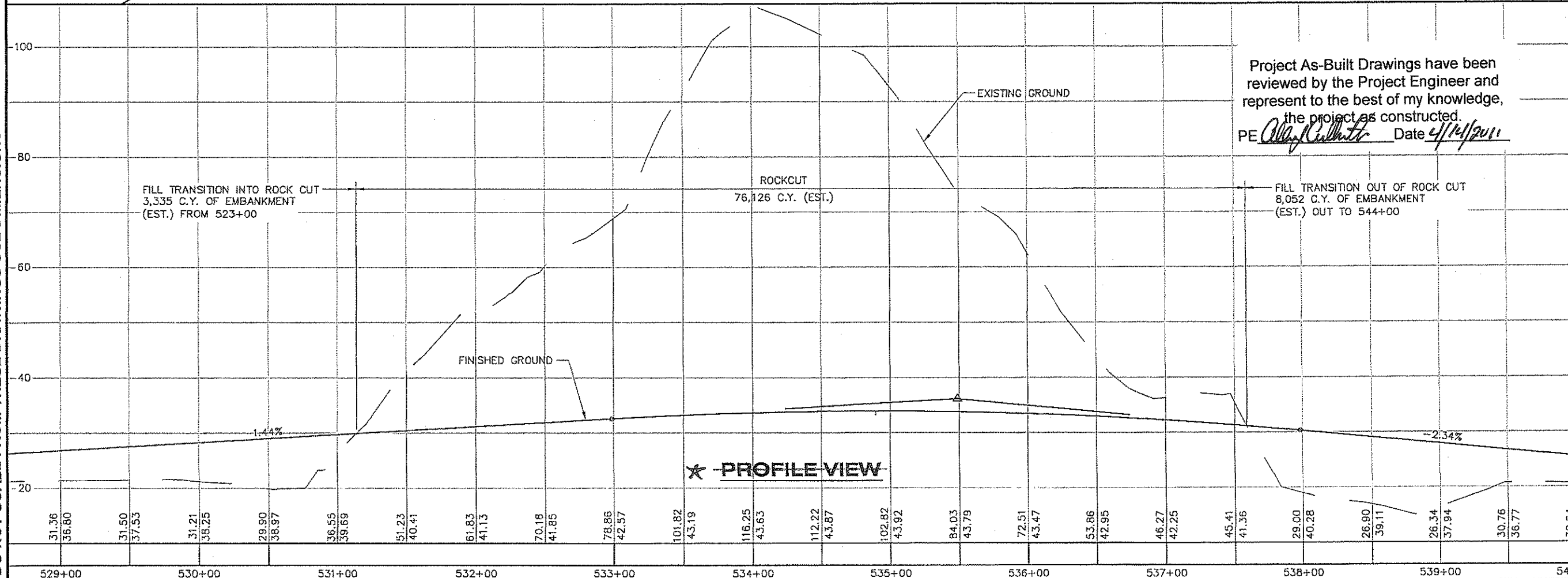
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



PC = 5349.15'
R = 1065.00'
L = 1000.41'
T = 540.55'
e = 0.00'
PC: NORTH = 562,937.53
EAST = 451,796.97
PT: NORTH = 563,512.79
EAST = 451,023.40

★ New Vertical Curve Data per Change Order #2, Sheets F-23a, 24a, 25a

PLAN VIEW



★ PROFILE VIEW

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE *Ally Kullback* Date *4/14/2011*

PATH: Q:\UNU\68832\PLANSET\UN_Mining
PLAN.DWG

STEVENS, DAVID A (DOT)
TAB: M1 Thu, 14 May 2009 - 8:34am

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

JUN GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

Through Cut Plan

CHECKED BY: C. Tripp

DESIGNED BY: J. Petropoulos

DRAWN BY: S.W.B./

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD
TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

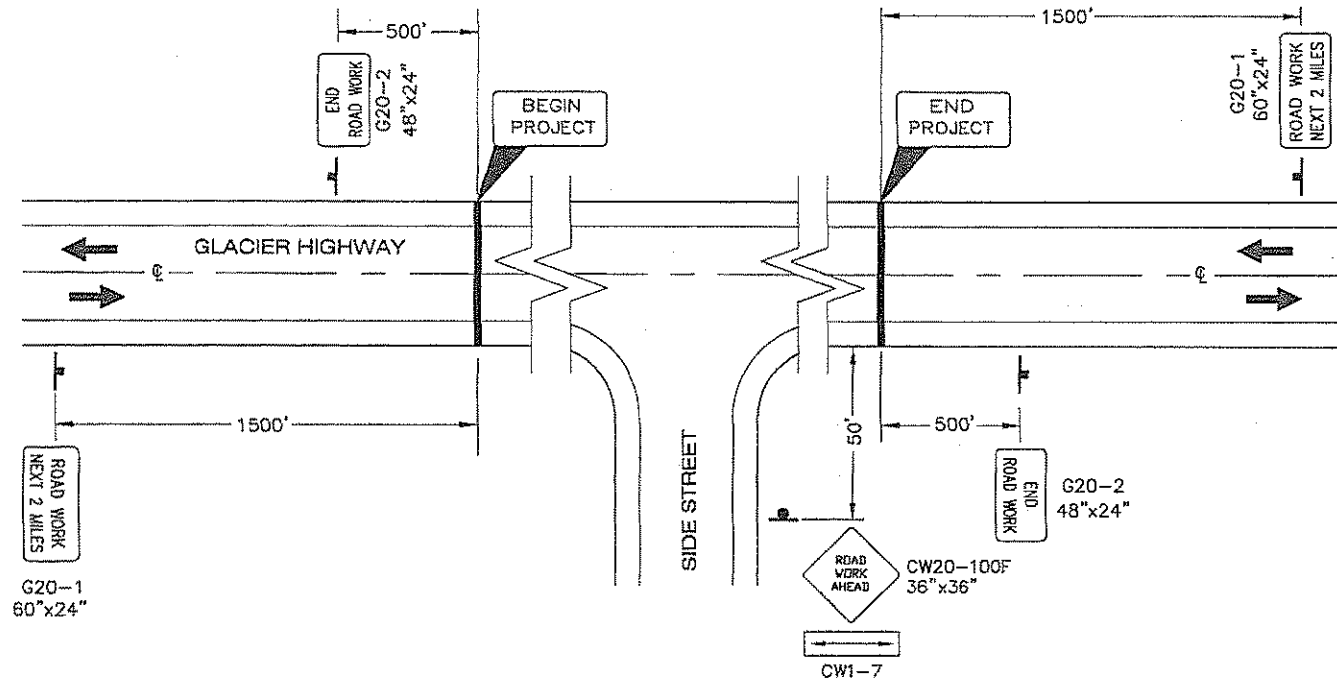
Through Cut Plan

PROJECT DESIGNATION
STP-093-3(27) ~ 68832

STATE	YEAR
ALASKA	2009

SHEET NUMBER	TOTAL SHEETS
M1	100

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

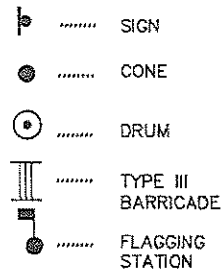


PERMANENT CONSTRUCTION SIGNING

Notes:

THIS DETAIL APPLIES TO SIDE STREETS HERBERT RIVER ROAD, EAGLE BEACH STATE RECREATION AREA MAIN ENTRANCE AND NORTH EAGLE BEACH ACCESS AND AS DIRECTED BY THE ENGINEER.

Legend



FORMULAS FOR L (TAPER LENGTH)

$$40 \text{ MPH OR LESS } L = \frac{W \times S^2}{60}$$

$$45 \text{ MPH OR GREATER } L = W \times S$$

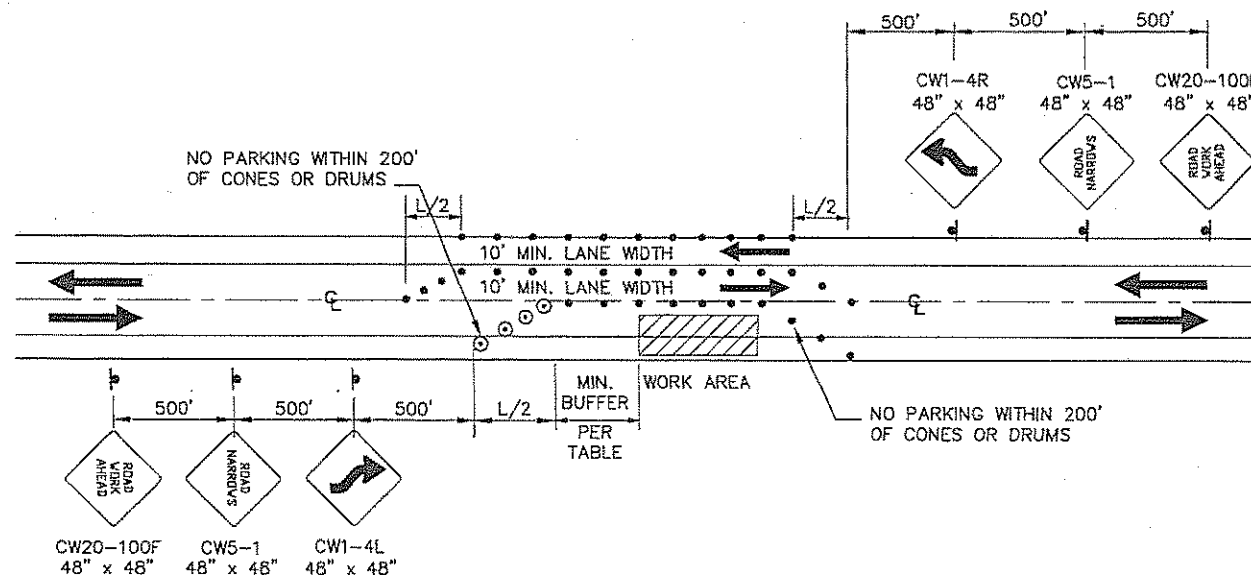
WHERE W = WIDTH OF OFFSET
S = POSTED SPEED LIMIT

DRUM OR CONE SPACING = S (IN FEET)

S	MIN. BUFFER LENGTH
20	35
25	55
30	85
35	120
40	170
45	220
50	280
55	335
60	415
65	485

Traffic Control Notes:

1. A MINIMUM OF ONE LANE SHALL BE MAINTAINED AT ALL TIMES, THROUGH ALL WORK AREAS.
2. TWO LANES SHALL BE MAINTAINED AT ALL TIMES IN NON-WORK AREAS AND DURING NON-WORK HOURS. UNLESS AN APPROVED TRAFFIC CONTROL SIGNAL HAS BEEN INSTALLED.
3. TEMPORARY DRIVING LANES SHALL HAVE A MINIMUM WIDTH OF 10'-0".
4. CONSTRUCTION SIGNING SHALL BE IN PLACE ONLY WHEN THE CONDITIONS EXIST FOR WHICH THE SIGNS ARE INTENDED. CONSTRUCTION SIGNS SHALL BE PLACED SUCH THAT THEY DO NOT OBSCURE EXISTING TRAFFIC SIGNS.
5. WORK ZONE DOUBLE TRAFFIC FINES SIGNS SHALL BE USED AS DIRECTED BY THE ENGINEER AND PER STANDARD DRAWING C-04.12.
6. WARNING LIGHTS SHALL BE USED ON ALL CHANNELIZING DEVICES PLACED ALONG OR AROUND ROADWAY HAZARDS AS DIRECTED BY THE ENGINEER.
7. 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 PORTIONS OF DETAILS ON THESE SHEETS.
8. MAXIMUM LENGTH OF CONSTRUCTION WITH ONE-LANE ROAD CLOSURE IS 1000'.



TWO-WAY TRAFFIC

* SEE NOTE 6, THIS SHEET.

PATH:Q:\JUN168832\PLANSET\1_TCP-DRAFT.DWG

STEVENS, DAVID A (DOT)
TAB: S1 Tue, 05 May 2009 - 10:39am

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

JUN, GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

Traffic Control Plans

CHECKED BY: C. Tripp



DESIGNED BY: J. Petropoulos

DRAWN BY: B.W.B./

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD
TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

Traffic Control Plans

PROJECT DESIGNATION

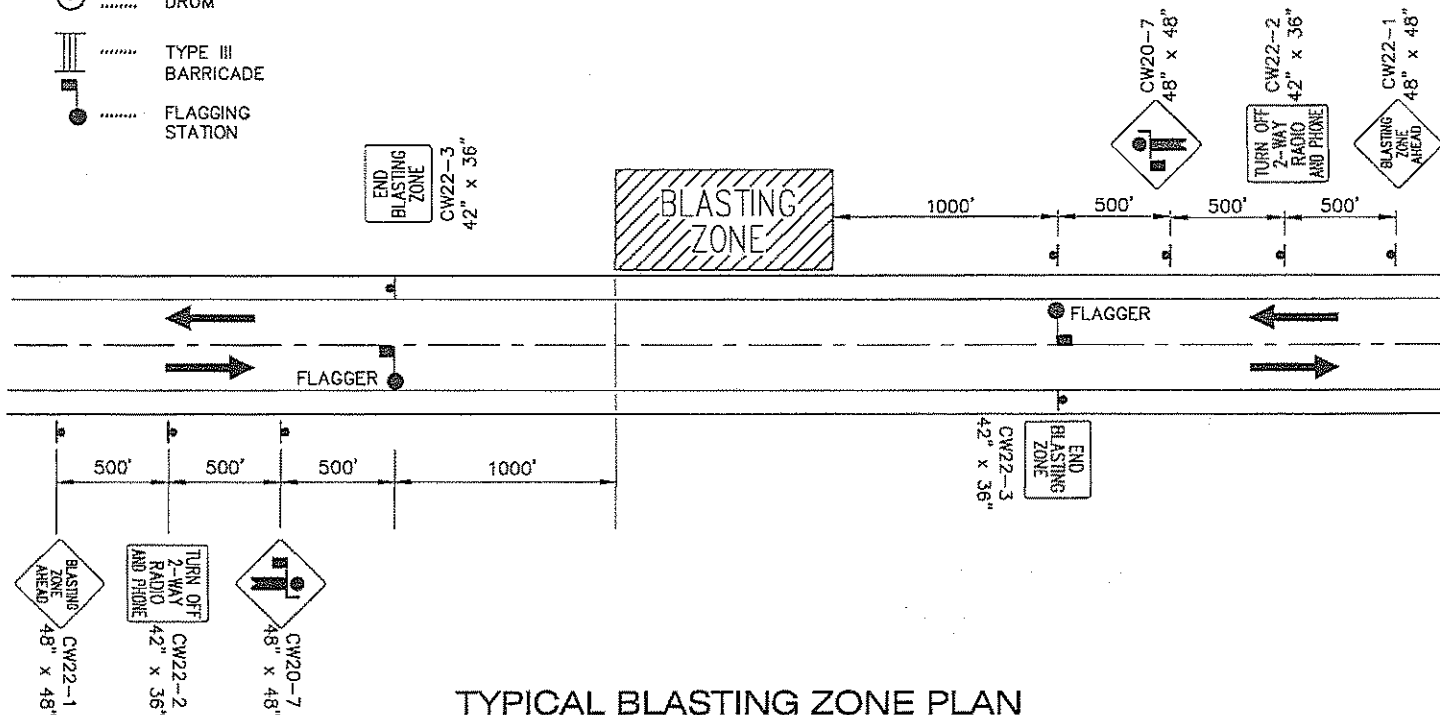
STP-093-3(27) ~ 68832

STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
S1	100

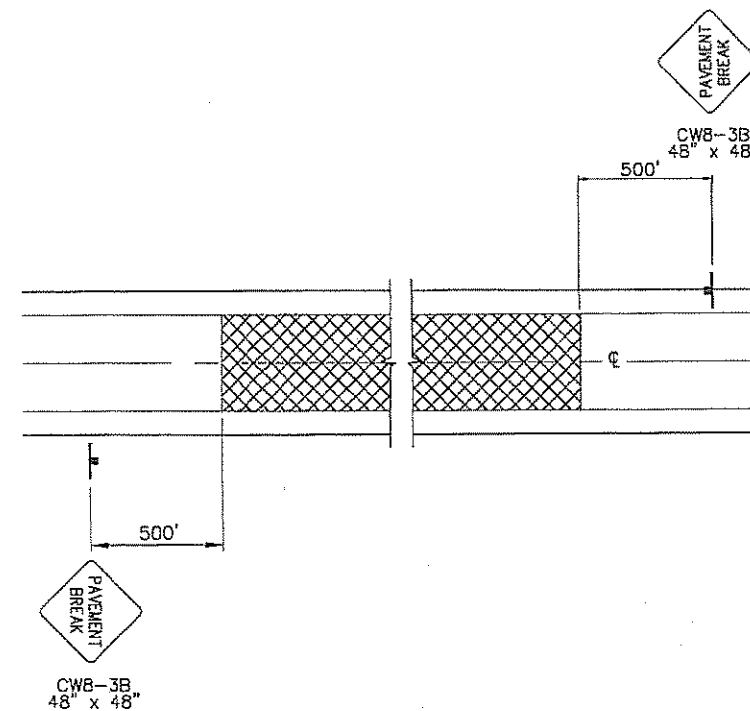
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Legend

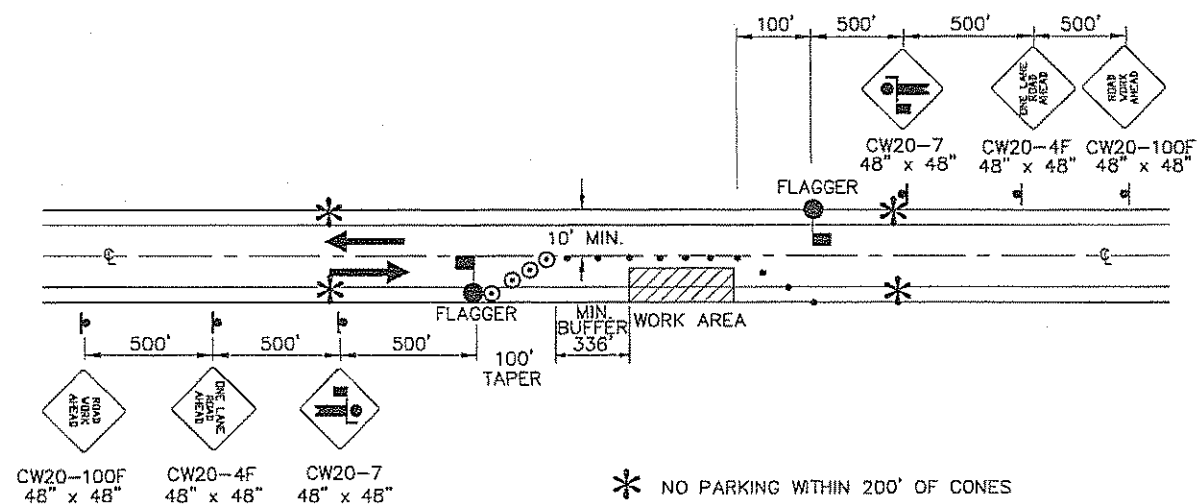
- SIGN
- CONE
- DRUM
- TYPE III BARRICADE
- FLAGGING STATION



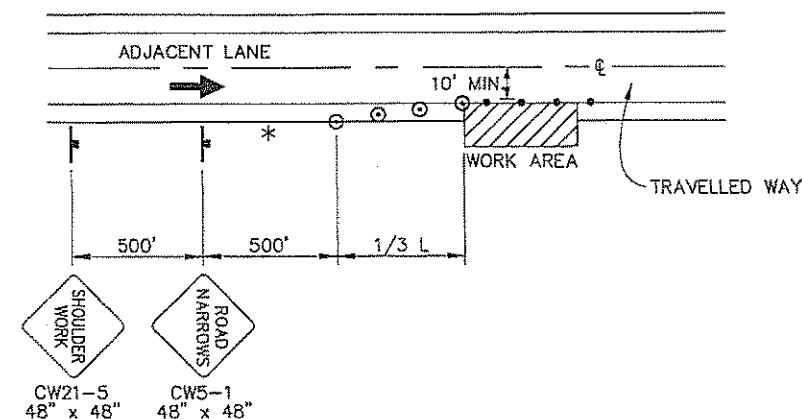
TYPICAL BLASTING ZONE PLAN



SIGNING FOR UNPAVED AREA



TWO LANE ROAD - SINGLE LANE CLOSURE
Double Flagger



SHOULDER WORK

PATH:Q:\HWU68832\PLANSET\1_TCP-DRAFT.DWG

STEVENS, DAVID A (DOT)
TAB: S2 Tue, 05 May 2009 - 10:39am

ADDENDUM NUMBER

ATTACHMENT NUMBER

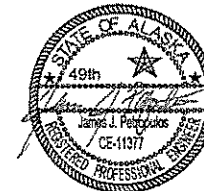
RECORD OF REVISIONS

No.	DATE	DESCRIPTION

JUN GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

Traffic Control Plans

CHECKED BY: C. Tripp



DESIGNED BY: J. Petropoulos

DRAWN BY: B.W.B./

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

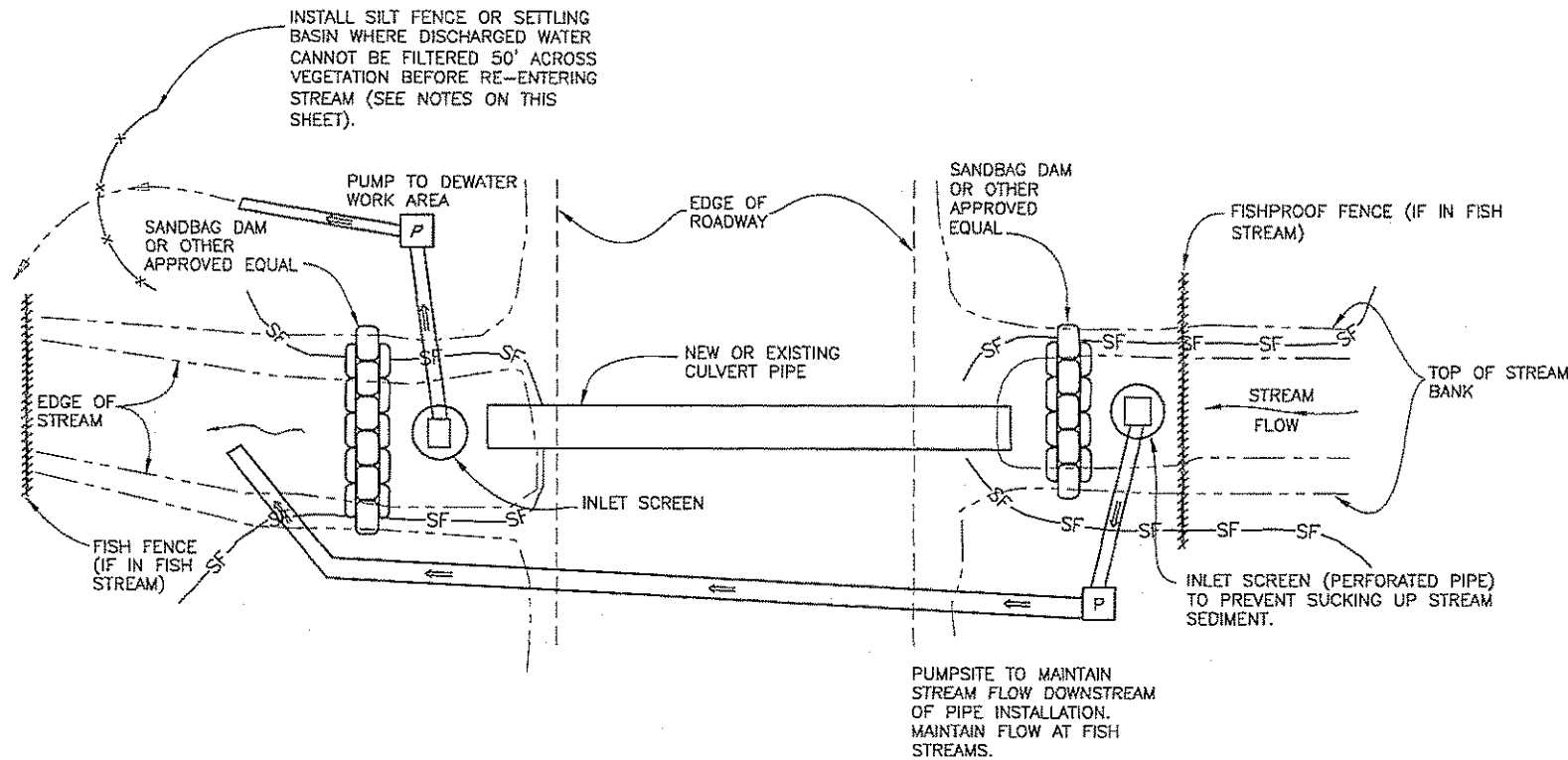
GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD
TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

Traffic Control
Plans

PROJECT DESIGNATION
STP-093-3(27) ~ 68832

STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
S2	100

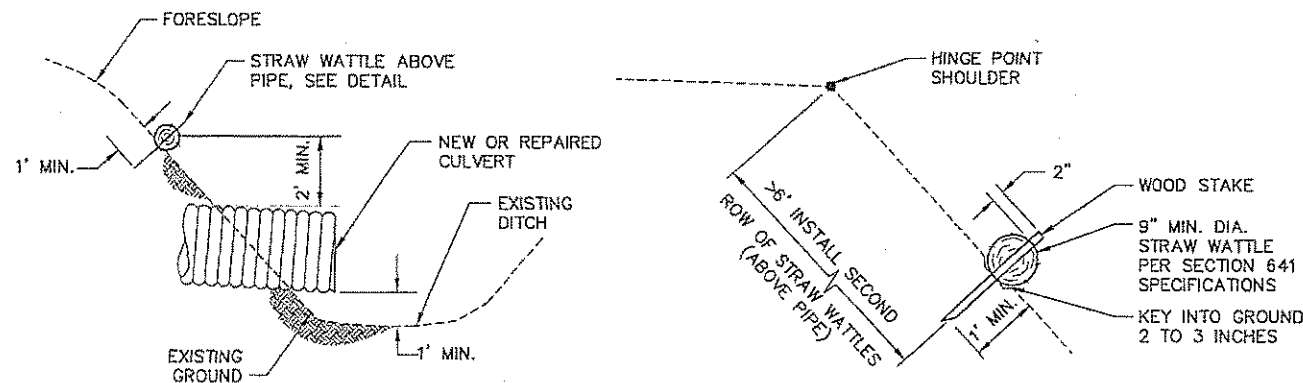
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



DAM AND DEWATER TYPICAL
MAINTAINING FLOW AT FISH STREAMS

NOTES:

1. FISH SHALL BE EXCLUDED FROM WORK AREAS PRIOR TO BEGINNING WORK OPERATIONS IN A DESIGNATED FISH STREAM. THE ENVIRONMENTAL MONITOR (SEE SECTION 680 OF THE SPECIFICATIONS) WILL ACCOMPLISH FISH TRAPPING AND FISH PROOF FENCING INSTALLATION. THE CONTRACTOR SHALL PROVIDE A SCHEDULE OF CULVERT INSTALLATION IN FISH STREAMS TO THE ENGINEER EIGHT DAYS PRIOR TO BEGINNING WORK AT EACH PIPE SO THAT 1) THE ENVIRONMENTAL MONITOR HAS ADVANCE NOTICE IN ORDER TO RELOCATE THE FISH AND, 2) THE ENGINEER CAN COMPLY WITH AGENCY NOTIFICATION REQUIREMENTS. THE CONTRACTOR SHALL PROVIDE THE FISH PROOF FENCING.
2. WHEN INSTREAM WORK AREAS REQUIRE DEWATERING, THE PUMP DISCHARGE SHALL BE PLACED SO THAT THERE IS A MINIMUM OF 50 FEET OF VEGETATED AREAS BETWEEN THE DISCHARGE POINT AND THE STREAM BANK SUCH THAT NO SILT-LADEN WATER ENTERS THE STREAM. THIS MAY REQUIRE FREQUENT REPOSITIONING OF THE DISCHARGE LOCATION AND/OR ADDITIONAL DISCHARGE TREATMENT METHODS (SEE DEWATERING PERMIT, APPENDIX B).
3. MULTIPLE PUMPS MAYBE NECESSARY TO DEWATER WORK AREAS AND/OR MAINTAIN STREAM BYPASS FLOW. THE CONTRACTOR SHALL PROVIDE ADEQUATE QUANTITIES AND SIZES OF PUMPS.

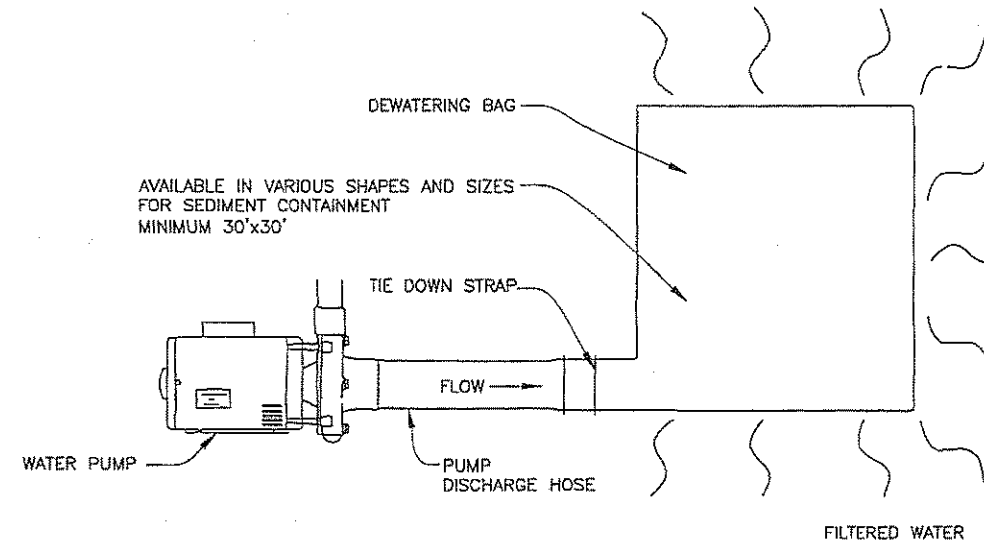


SECTION
N.T.S.

DETAIL
N.T.S.

NOTE:
FOR LAYOUT LOCATIONS
SEE SHEETS T4-T20.

STRAW WATTLE DETAIL



SEDIMENT FILTER (DEWATERING) BAG PLAN INSERT

THE DEWATERING BAG IS DESIGNED TO CONTROL
SEDIMENT DISCHARGE IN DEWATERING APPLICATIONS
WHERE WATER IS BEING PUMPED.

INSTALLATION

1. LIFTING STRAPS, NOT INCLUDED, SHOULD BE PLACED UNDER THE DEWATERING BAG TO FACILITATE REMOVAL AFTER USE.
2. PLACE THE DEWATERING BAG ON A LEVEL STABILIZED AREA OVER DENSE VEGETATION/ STRAW, OR GRAVEL (IF INCREASED DRAINAGE SURFACE AREA IS NEEDED) OR AS DETAILED IN PLANS
3. INSERT DISCHARGE HOSE FROM PUMP INTO THE DEWATERING BAG A MINIMUM OF SIX INCHES (6") AND TIGHTLY SECURE WITH ATTACHED STRAP TO PREVENT WATER FROM FLOWING OUT OF THE UNIT WITHOUT BEING FILTERED.
4. REPLACE THE UNIT WHEN ONE HALF (1/2) FULL OF SEDIMENT OR WHEN SEDIMENT HAS REDUCED THE FLOW RATE OF THE PUMP DISCHARGE TO AN IMPRACTICAL RATE.

MAINTENANCE

REMOVE AND DISPOSE OF THE SEDIMENT IN A MANNER SATISFACTORILY TO THE ENGINEER/ INSPECTOR OR IN ONE OF THE FOLLOWING WAYS:

1. REMOVE THE UNIT AND SEDIMENT FROM ENVIRONMENTALLY SENSITIVE AREA AND WATERWAYS. AT THE APPROVED DISPOSAL SITE OPEN OR SLIT THE UNIT, REMOVE SEDI-MENT AND GRADE SMOOTHLY INTO EXISTING TOPOGRAPHY. DISPOSE OF THE DEWATERING BAG, NO LONGER IN USE, AT AN APPROPRIATE RECYCLING OR SOLID WASTE FACILITY.
2. BURY UNIT ON SITE; REMOVE VISIBLE FABRIC AND SEED.

PATH:Q:\JUN06832\PLANSET\T1-T2_ER06\CONDET.X

STEVENS, DAVID A (DOT)
TAB: T1 Tue, 05 May 2009 - 10:39am

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

JUN_GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

Environmental Details

CHECKED BY: G. Tripp

DESIGNED BY: J. Potropoulos

DRAWN BY: B.W.B./

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD
TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

Environmental Details

PROJECT DESIGNATION
STP-093-3(27) ~ 68832

STATE	YEAR
ALASKA	2009

SHEET NUMBER	TOTAL SHEETS
T1	100

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

DRAINAGE AREA SUMMARY			
Basin ID Culvert P-	Area (acres)	2 Year Flow (cfs)	Area Notes
113	4.1	2	
114	6	3	
115	572.8	138	
116	66.9	23	Area shown is 116 only
116	639.7	152	Area shown includes 115
117	11.7	5	
118	15.5	7	
119	2.3	1	
120	916.9	205	Area includes 115 & 116
121	2.9	2	
122	2	1	
123	4.5	2	
124	16.6	7	
125	16.2	7	
126	34.8	13	
127	3.2	2	
128	10.5	5	
129	10.6	5	
130	1.3	1	
131	23.4	10	
132	4.8	3	
133	3.2	2	
134	1.2	1	
135	61.1	21	
136	20.9	9	
137A	33.8	13	
137B	33.8	13	
138	7.7	4	
139	0.6	0	
140	17.1	7	
141	5.6	3	
142	2	1	
143	7.1	4	
144	7	3	
145	690	162	
146	239.9	67	
147A	2	1	
148	2.7	2	
149	16.2	7	
150	11.1	5	
151	9.3	4	
152A	9.2	4	
152B	9.2	4	
152C	13.9	6	
153A	6.1	3	
153B	13.1	6	
154A	2.1	1	
154B	91.5	30	
155A	1.2	1	
155B	6.7	3	
156	15.5	7	
157	13.1	6	
158	6.6	3	
159	12.1	5	
160	6.7	3	
161	45.1	17	
162	3.4	2	
163	42.4	16	
164	23	9	
165	5.4	3	
166	3.9	2	
167	1099.9	239	

PATH:Q:\JUN160832\PLANSET\T1-T2_EROSION.DET

STEVENS, DAVID A (DOT)
TAB: T2 Tue, 05 May 2009 - 10:39am

ADDENDUM NUMBER

ATTACHMENT NUMBER

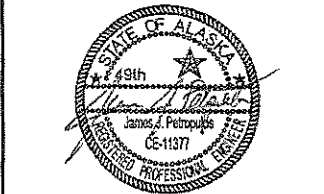
RECORD OF REVISIONS

No.	DATE	DESCRIPTION

JUN_GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

Drainage Area Summary Table

CHECKED BY: C. Tripp



DESIGNED BY: J. Petropoulos
DRAWN BY: B.W.B./

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD
TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

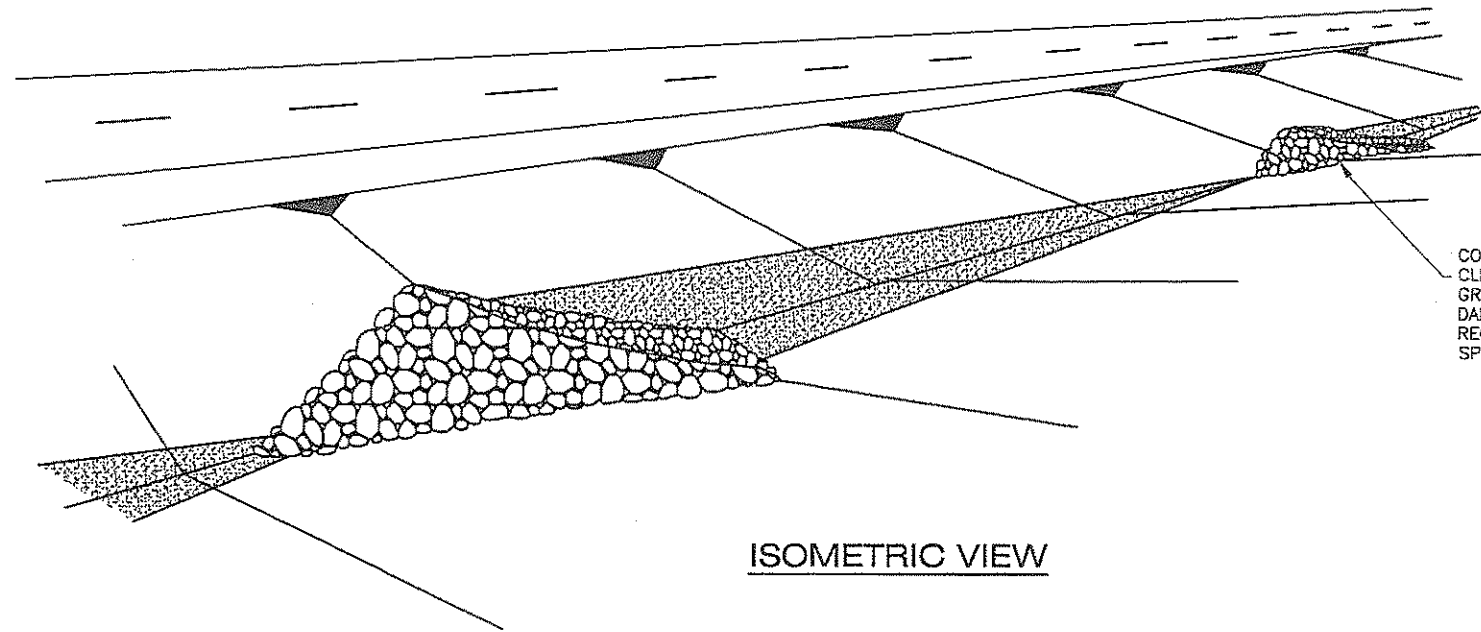
Drainage Area
Summary Table

PROJECT DESIGNATION

STP-093-3(27) ~ 68832

STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
T2	100

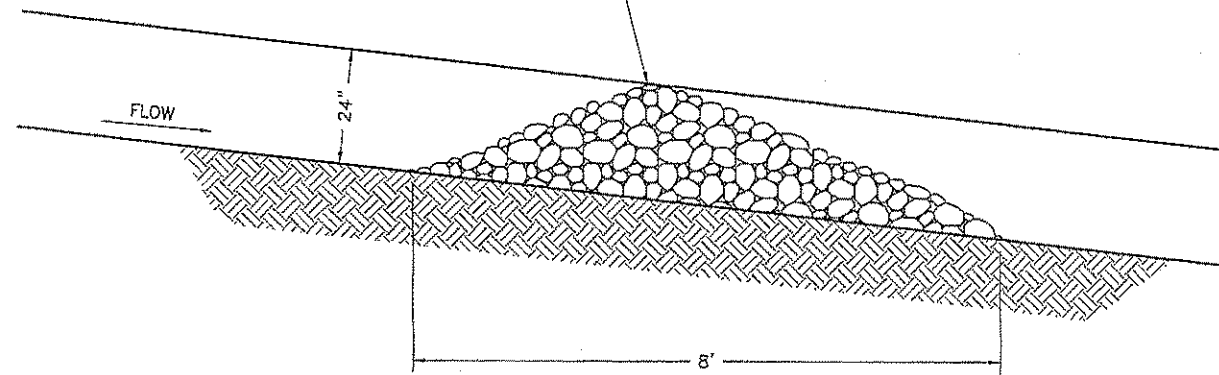
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



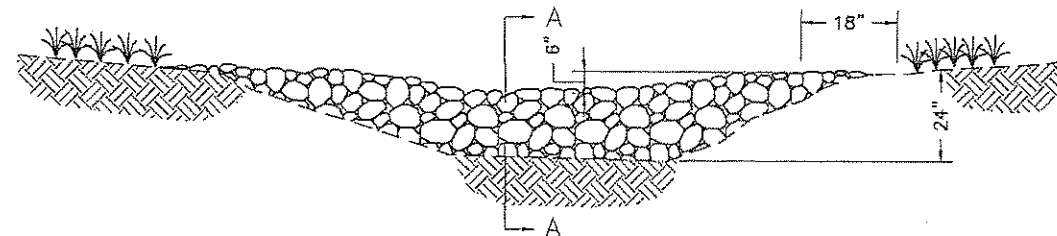
ISOMETRIC VIEW

CONSTRUCT TEMPORARY CHECK DAMS WITH CLEAN SHOT ROCK OF SUFFICIENT SIZE AND GRADATION TO WORK EFFECTIVELY AS CHECK DAM MATERIAL ACCORDING TO MATERIAL REQUIREMENTS IN SECTION 641 OF THE SPECIFICATIONS, AND AS APPROVED.

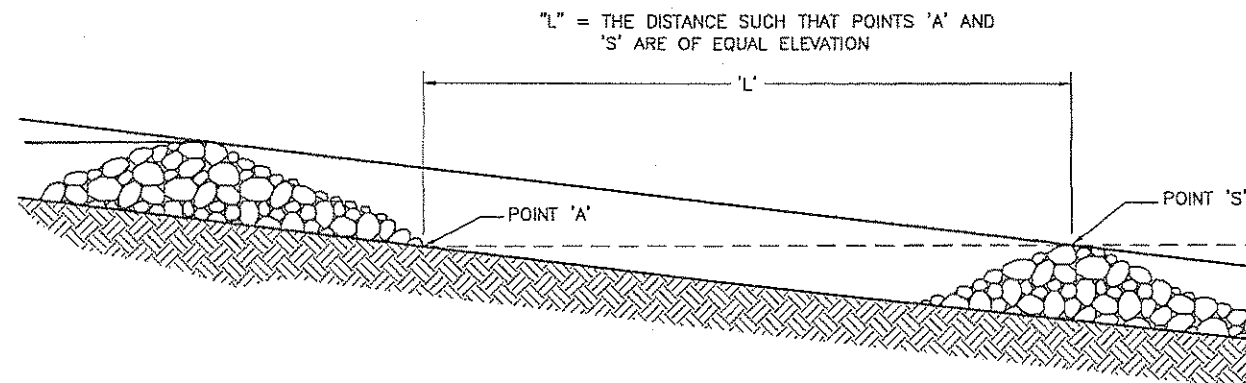
TEMPORARY CHECK DAMS SHALL BE CONSTRUCTED AT LOCATIONS AS INDICATED ON THE EROSION & SEDIMENT CONTROL PLANS OR AS DIRECTED BY THE ENGINEER IMMEDIATELY AFTER THE DITCH FLOW LINE IS ESTABLISHED



SECTION A-A



VIEW LOOKING UPSTREAM



SPACING BETWEEN CHECK DAMS

PATH:Q:\NUNU\68832\PLANSET\T3_CHECKDAM
DETAIL.DWG

STEVENS, DAVID A (DOT)
TAB: T3 Tue, 05 May 2009 - 10:40am

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

JUN GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

Temporary Check Dam Details

CHECKED BY: C. Tripp



DESIGNED BY: J. Petropoulos

DRAWN BY: B.W.B./

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD
TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

Temporary Check
Dam Details

PROJECT DESIGNATION
STP-093-3(27) ~ 68832

STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
T3	100

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

BYFORD
24325

HAGEN
24345

OVERTON & MORRIS
24545

PATH:Q:\JUNI\68832\PLANSET\T4-T20_ESCP_PLAN.S

STEVENS, DAVID A (DOT)
TAB: T4 Tue, 05 May 2009 - 10:45am

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

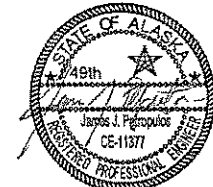
No.	DATE	DESCRIPTION

KEY MAP

PLAN

PLAN LEGEND

CHECKED BY: C. Tripp



00. DESIGNED BY: J. Petropoulos

DRAWN BY: BENNET/PETROPULOS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD
TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

EROSION & SEDIMENT CONTROL PLAN

PROJECT DESIGNATION

STP-093-3(27) ~ 68832

STATE	YEAR
-------	------

ALASKA 2000

SHEET NUMBER	TOTAL SHEET
--------------	-------------

LC
PAPE
2

LEGEND

	SILT FENCE
	SILT BARRIER
	STRAW WATTLE
	PROFILE DRAINAGE PATTERN
	SURFACE DRAINAGE PATTERN
	CULVERT FLOW DIRECTION
	PROJECT DISCHARGE
	DITCH DRAINAGE PATTERN
	FISH HABITAT
	TEMPORARY ROCK CHECK DAM
	WETLANDS
	VEGETATIVE BUFFER
	FLEXIBLE GROWTH MEDIUM

EROSION & SEDIMENT CONTROL PLAN NOTES

1. THE CONTRACTOR IS REQUIRED TO PRESENT A STORM WATER POLLUTION PREVENTION PLAN (S.W.P.P.P.) 5 DAYS PRIOR TO THE PRE-CONSTRUCTION CONFERENCE. THE CONTRACTOR'S S.W.P.P.P. SHALL INCLUDE, AT THE MINIMUM, THEIR PROPOSED LOCATIONS FOR SPECIAL DITCHES, AND TEMPORARY CHECK DAMS, AS WELL AS ANY OTHER BEST MANAGEMENT PRACTICES THAT ARE APPROPRIATE. THE "ALASKA S.W.P.P.P. GUIDE" IS AVAILABLE FROM THE ADOT&PF SOUTHEAST REGIONAL OFFICE, OR WEBSITE.
2. THIS PROJECT IS LOCATED LAT 58d22' N, LONG 134d35' W. JUNEAU IS SITUATED AT THE NORTHERN END OF THE ALEXANDER ARCHIPELAGO IN A MILD MARITIME CLIMATOLOGICAL AREA. AVERAGE SUMMER TEMPERATURES RANGE FROM 44d F TO 65d F WITH AN EXTREME HIGH BEING 90d F. WINTER TEMPERATURES AVERAGE FROM 25d F TO 35d F WITH AN EXTREME LOW OF -25d F. AVERAGE RAINFALL AT THE JUNEAU AIRPORT IS 54". THE AVERAGE SNOWFALL IN THE AREA IS 100".
3. THE TOTAL AREA OF LAND TO BE DISTURBED IS ESTIMATED AT 15 ACRES. THIS WILL REQUIRE THAT THE CONTRACTOR FILE FOR AUTHORIZATION TO USE THE "NPDES" GENERAL PERMIT FOR STORM WATER DISCHARGES FROM CONSTRUCTION ACTIVITIES PER SECTION 641 AND COMPLY WITH THE PERMIT.

...CONTINUATION OF NOTES

4. EXISTING DRAINAGE CULVERTS SHALL HAVE INLET PROTECTION (CHECK DAMS) INSTALLED PRIOR TO REMOVING PAVEMENT.
5. ALL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE INSPECTED AT LEAST DAILY AND MAINTAINED UNTIL THE GROUND IS STABILIZED (AS DEFINED BY THE NPDES PERMIT). MAINTENANCE SHALL INCLUDE CLEANING OF COLLECTED SEDIMENT OR REPLACEMENT TO MAINTAIN EFFECTIVENESS.
6. ADDITIONAL SILT FENCING OR CHECK DAMS MAY BE REQUIRED. SWEEPING OF PAVED SURFACES AND TEMPORARY SEEDING AND MATTING MAY ALSO BE REQUIRED. STABILIZE DISTURBED GROUND AS SOON AS POSSIBLE. UNSTABILIZED SURFACES MUST BE TEMPORARILY STABILIZED WITH SEEDING, MATTING, OR OTHER EFFECTIVE MEASURES.
7. FIELD CONDITIONS MAY NOT WARRANT ADDITIONAL CHECK DAMS, THIS CAN BE DETERMINED IN THE FIELD BY THE ENGINEER AFTER THE DITCH FLOW LINE HAS BEEN ESTABLISHED.
8. WHERE SILT BARRIER IS CALLED OUT, CONTRACTOR MAY USE EITHER SILT FENCE OR STRAW WATTLE AT CONTRACTOR'S OPTION OR OTHER BMP UPON ENGINEER'S APPROVAL. WHERE SILT FENCE OR STRAW WATTLE IS CALLED OUT SPECIFICALLY SUBSTITUTION IS PERMITTED ONLY UPON ENGINEER'S APPROVAL.

B.O.P.
STA. "0" 347+50
MATCH EXISTING

BASIN P-113
DISCHARGE

LOT 7

WILDES & HAWKINS
24590

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

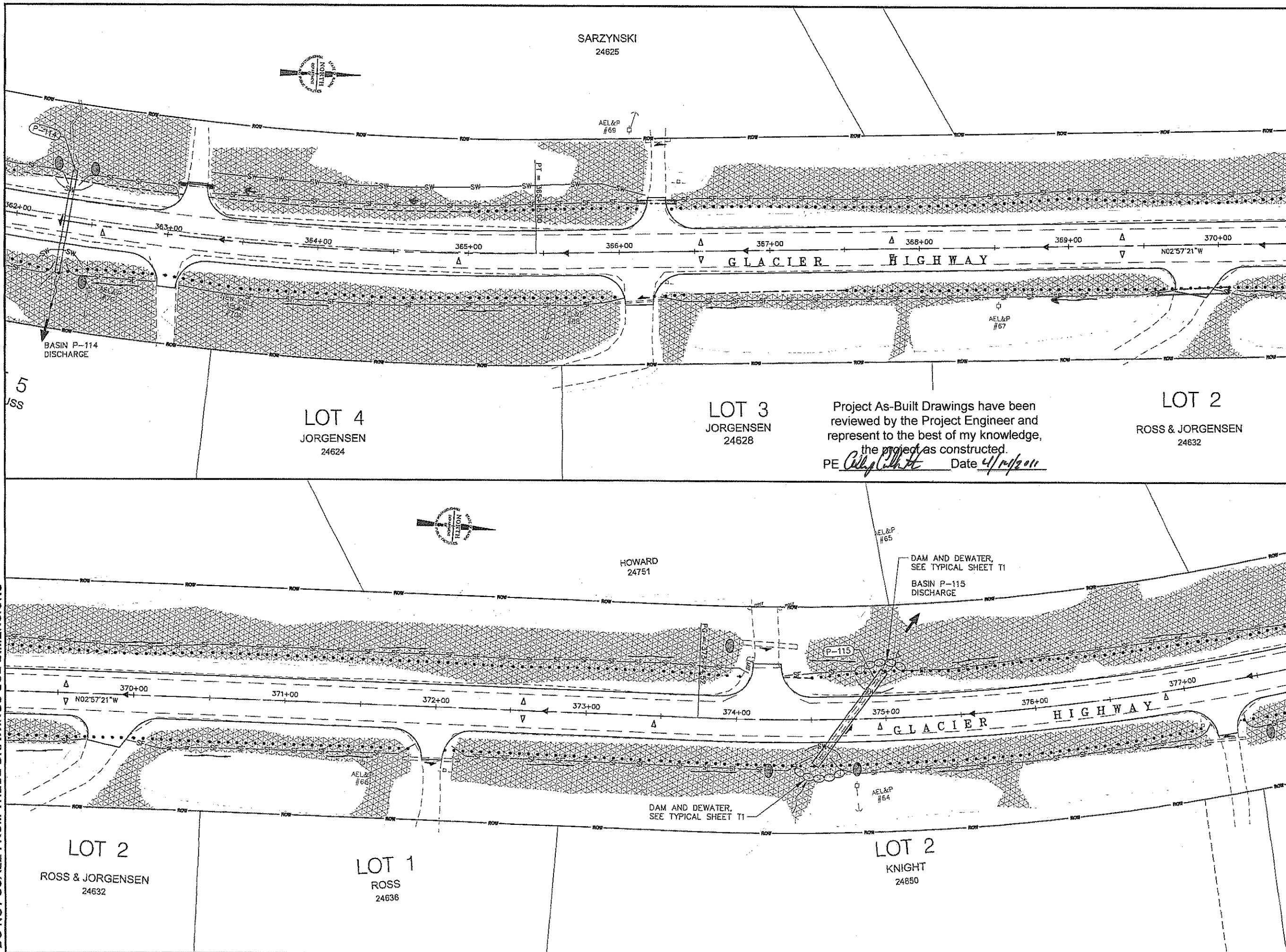
PE *Colin Colburn* Date *4/14/2011*

LOT 6

SIMERMAN & GRAHAM
24600

LC
PAPE
2

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



PATH: Q:\JNU\68832\PLANSET\T4-T20_ESCP_PLAN.T4

STEVENS, DAVID A (DOT)
TAB: T5 Tue, 05 May 2009 - 10:46am

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION
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KEY MAP

PLAN

PLAN LEGEND

CHECKED BY: C. Tripp

DESIGNED BY: J. Petropoulos

DRAWN BY: BENNETT/PETROPULOS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD
TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

EROSION & SEDIMENT
CONTROL PLAN

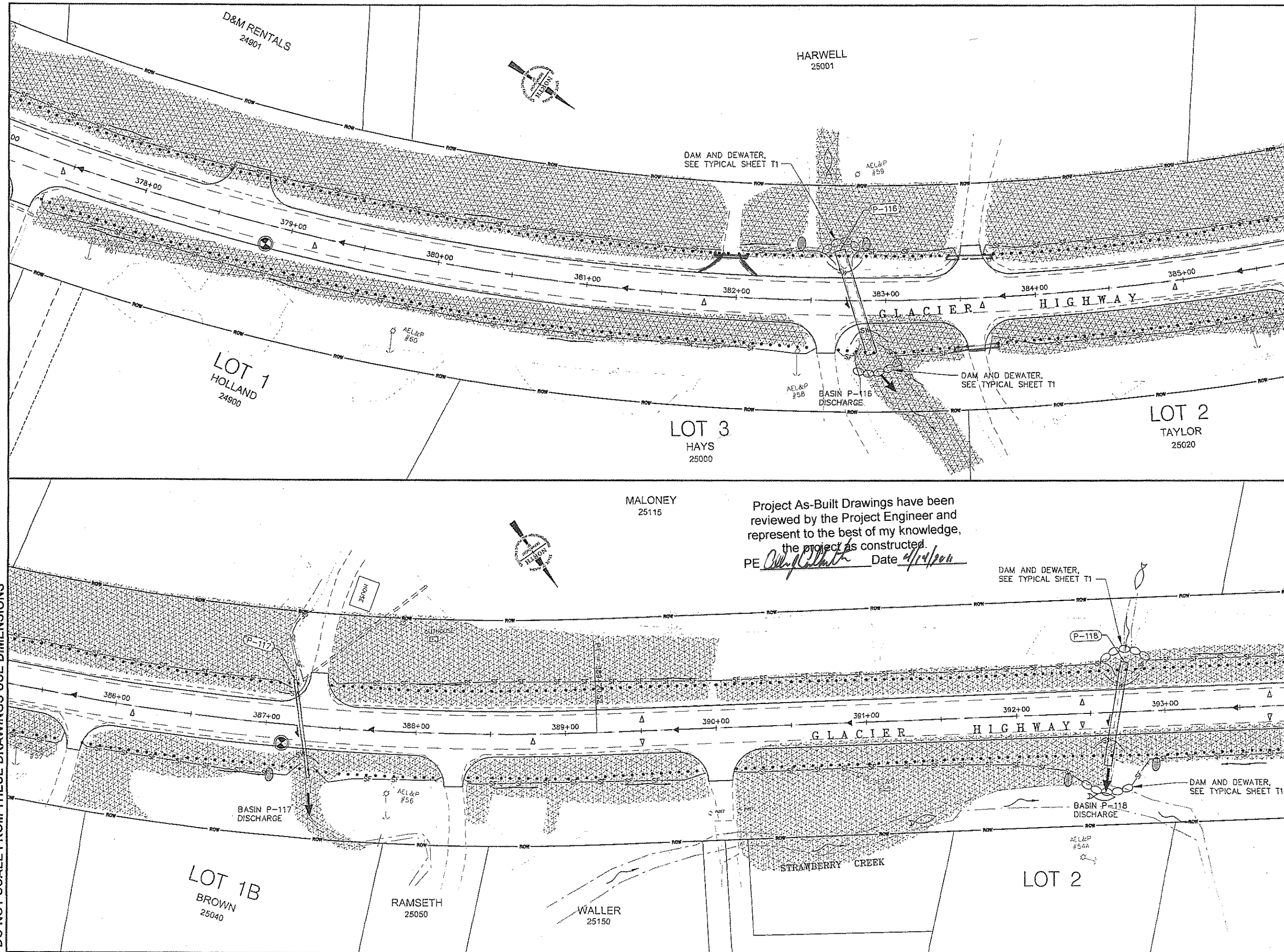
PROJECT DESIGNATION

STP-093-3(27) ~ 68832

STATE	YEAR
ALASKA	2009

SHEET NUMBER	TOTAL SHEETS
T5	100

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



PATH: Q:\JND\68832\PLANSET\T4-T20_ESCP_PLAN.T4

STEVENS, DAVID A (DOT)
TAB: T6 Wed, 05 May 2009 - 7:35am

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION
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KEY MAP

STATE OF ALASKA
NORTH
DEPARTMENT OF
TRANSPORTATION & PUBLIC FACILITIES

MP 28
MP 27
MP 26
MP 25
MP 24
MP 23
MP 22
MP 21
MP 20

PLAN LEGEND

CHECKED BY: C. Tripp

DESIGNED BY: J. Petropoulos

DRAWN BY: BENNETT/PETROPOULOS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD
TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

**EROSION & SEDIMENT
CONTROL PLAN**

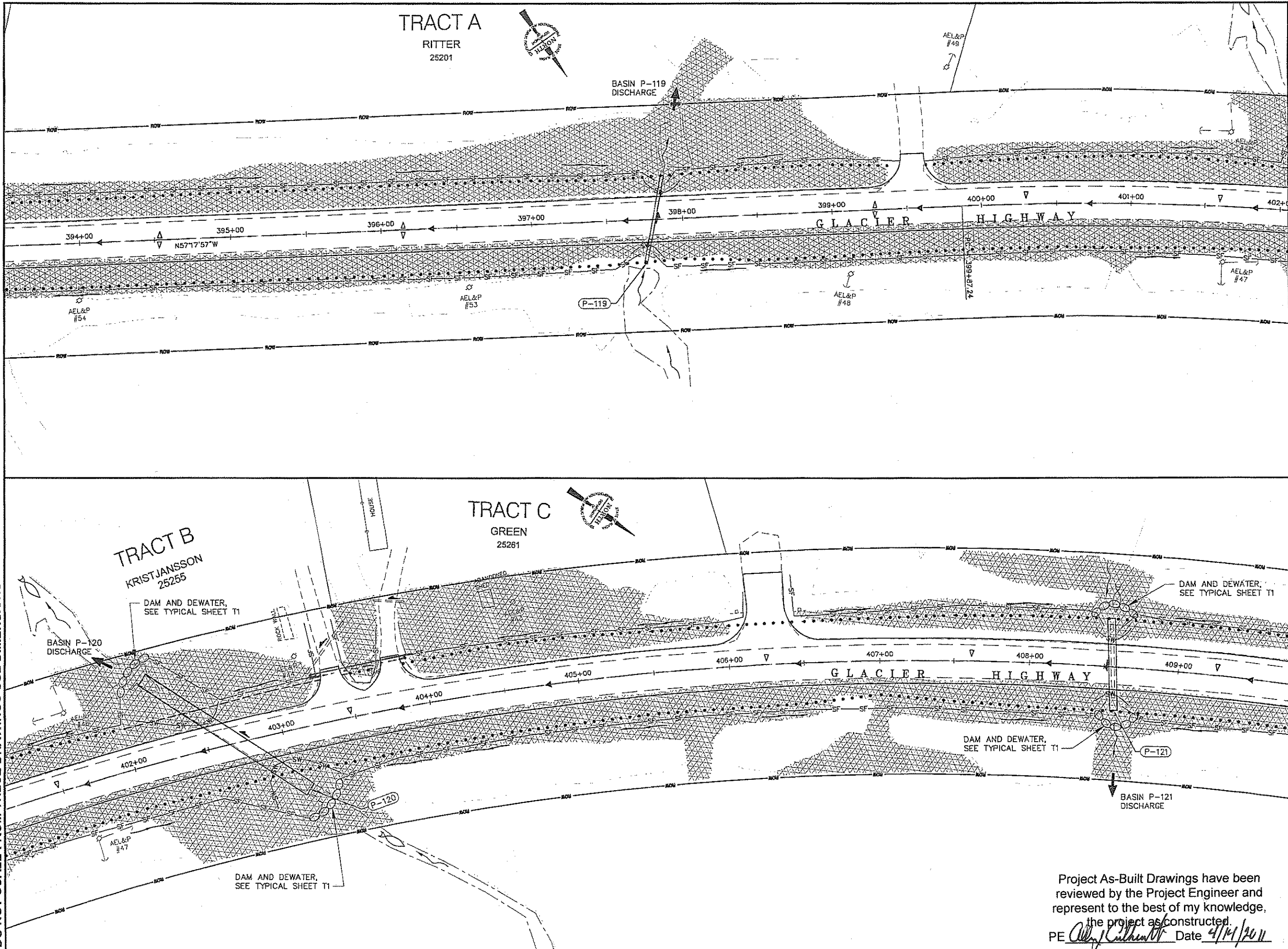
PROJECT DESIGNATION

STP-093-3(27) ~ 68832

STATE	YEAR
ALASKA	2009

SHEET NUMBER	TOTAL SHEETS
T6	100

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



PATH: Q:\JUNI68832\PLANSET\T4-T20_ESCP_PLAN.dwg

STEVENSON, DAVID A (DOT)
TAB: T7
Tue, 05 May 2009 - 10:45am

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION
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KEY MAP

PLAN LEGEND

CHECKED BY: C. Tripp

DESIGNED BY: J. Petropoulos
DRAWN BY: BENNETT/PETROPOULOS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD
TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

**EROSION & SEDIMENT
CONTROL PLAN**

PROJECT DESIGNATION
STP-093-3(27) ~ 68832

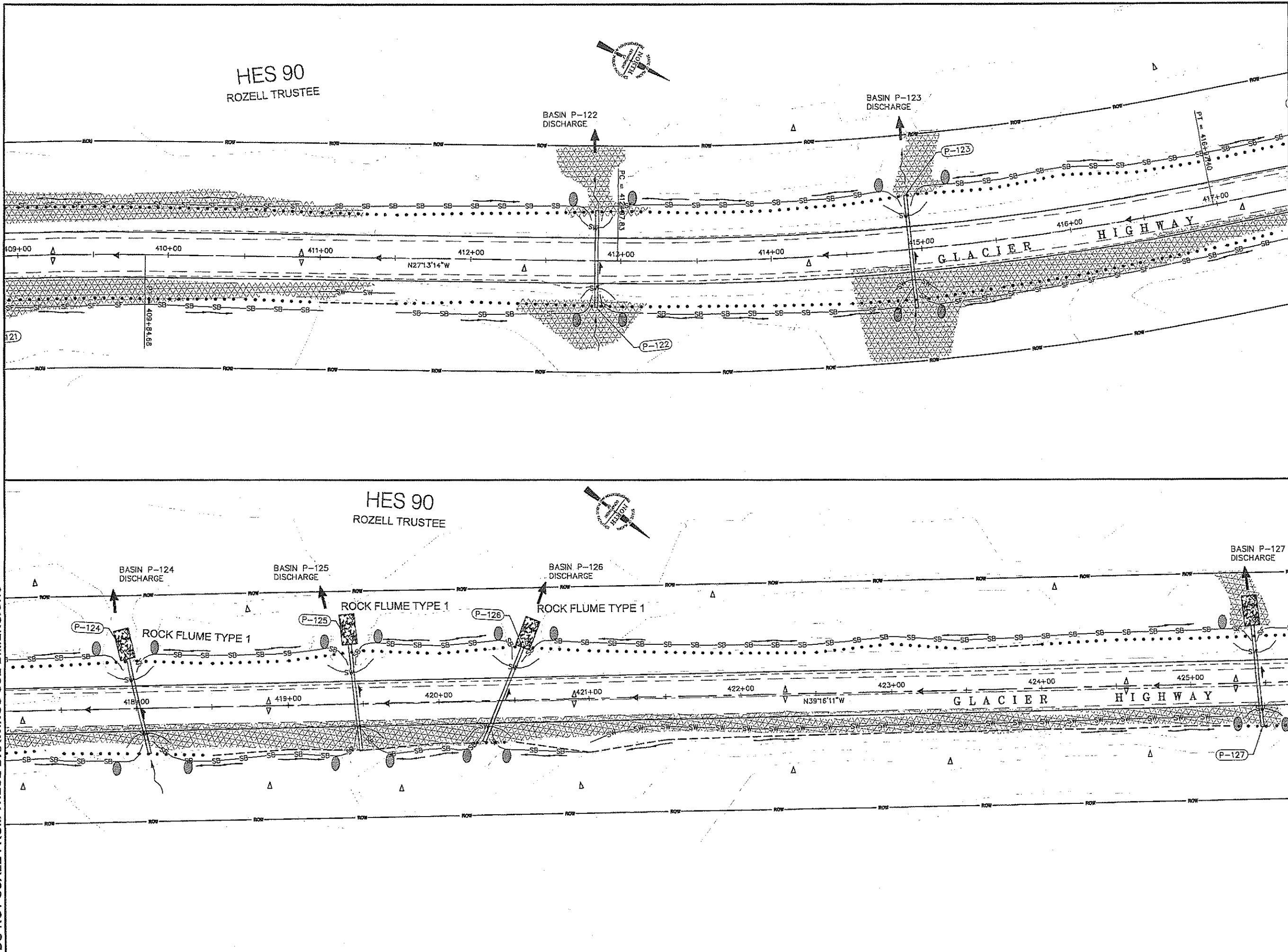
STATE	YEAR
ALASKA	2009

SHEET NUMBER	TOTAL SHEETS
T7	100

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

PE *Calvin Culbert* Date *4/14/2011*

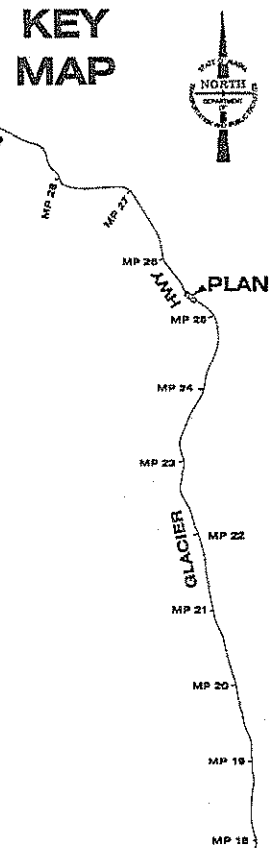
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PATH:Q:\JNU\58832\PLANSET\T4-T20_ESCP_PLAN.d

STEVENS, DAVID A (DOT)		
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RECORD OF REVISIONS		
No.	DATE	DESCRIPTION

KEY
MAP

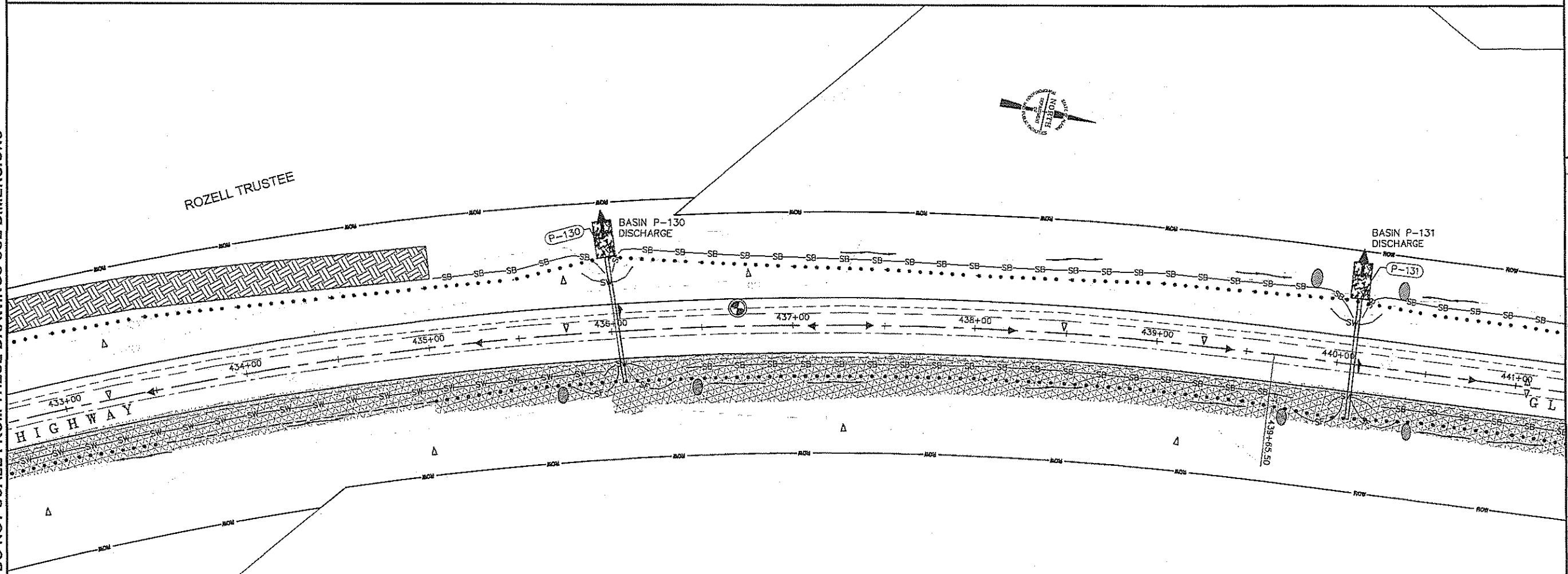
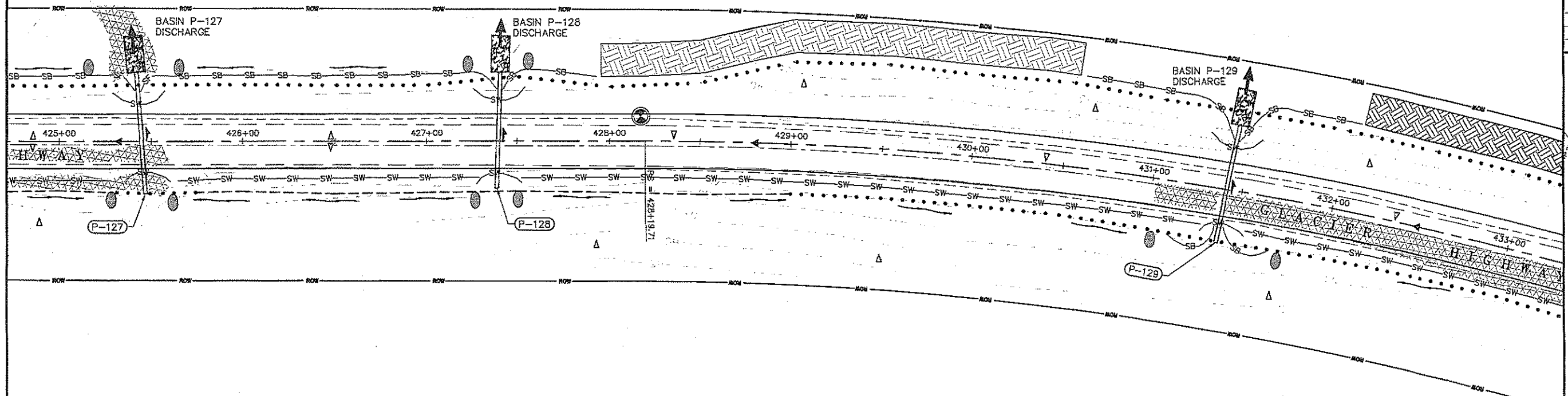


PLAN LEGEND

CHECKED BY: C. Tripp	
DESIGNED BY: J. Petropoulos	
DRAWN BY: BENNETT/PETROPULOS	
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION	
GLACIER HIGHWAY & TRAILHEAD STAGE II-AMALGA HARBOR ROAD TO KAYAK LAUNCH STP-093-3(27) ~ 68832	
EROSION & SEDIMENT CONTROL PLAN	
PROJECT DESIGNATION	
STP-093-3(27) ~ 68832	
STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
T8	100

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

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ROZELL TRUSTEE



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STEVENS, DAVID A (DOT)
TAB: T9 Wed, 08 May 2009 - 7:33am

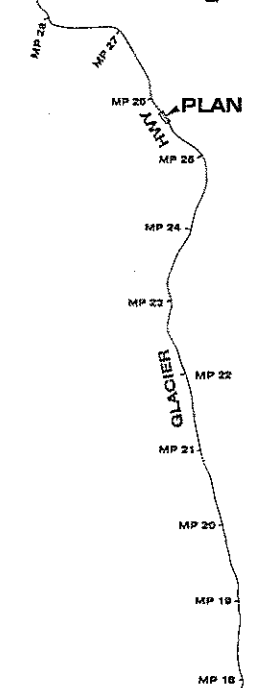
ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

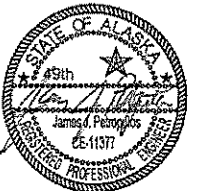
KEY
MAP



PLAN

PLAN LEGEND

CHECKED BY: C. Tripp



DESIGNED BY: J. Petropoulos

DRAWN BY: BENNETT/PETROPOULOS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY & TRAILHEAD
STAGE II - AMALGA HARBOR ROAD
TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

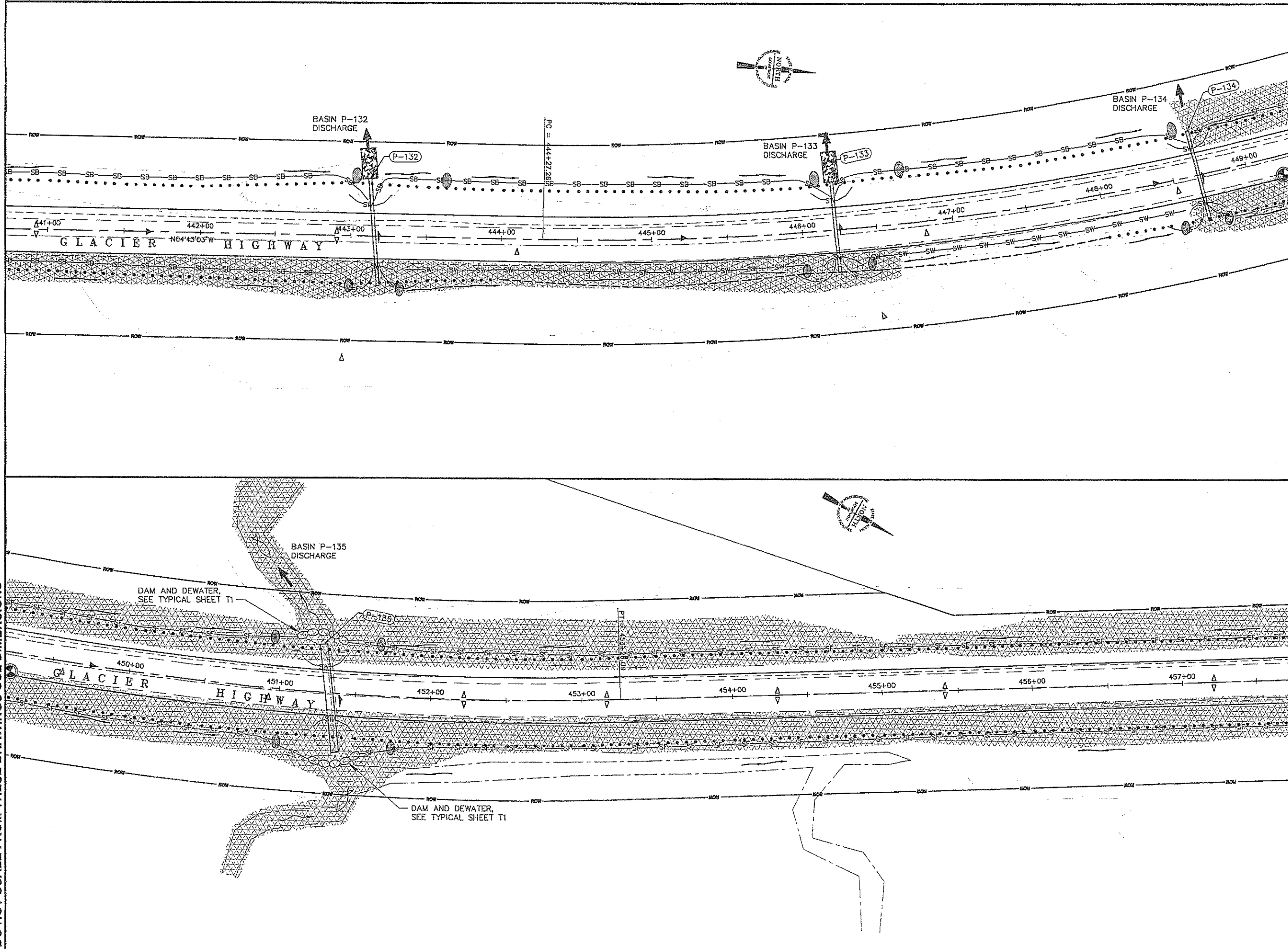
EROSION & SEDIMENT
CONTROL PLAN

PROJECT DESIGNATION

STP-093-3(27) ~ 68832

STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
T9	100

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



PATH: Q:\JUN168832\PLANSET\T14-T20_ESCP_PLAN

STEVENS, DAVID A (DOT)
TAB: T10 Wed, 06 May 2009 - 7:31am

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION
-----	------	-------------

KEY MAP

PLAN

PLAN LEGEND

CHECKED BY: C. Tripp

DESIGNED BY: J. Petropoulos

DRAWN BY: BENNET/PETROPULOS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD
TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

EROSION & SEDIMENT CONTROL PLAN

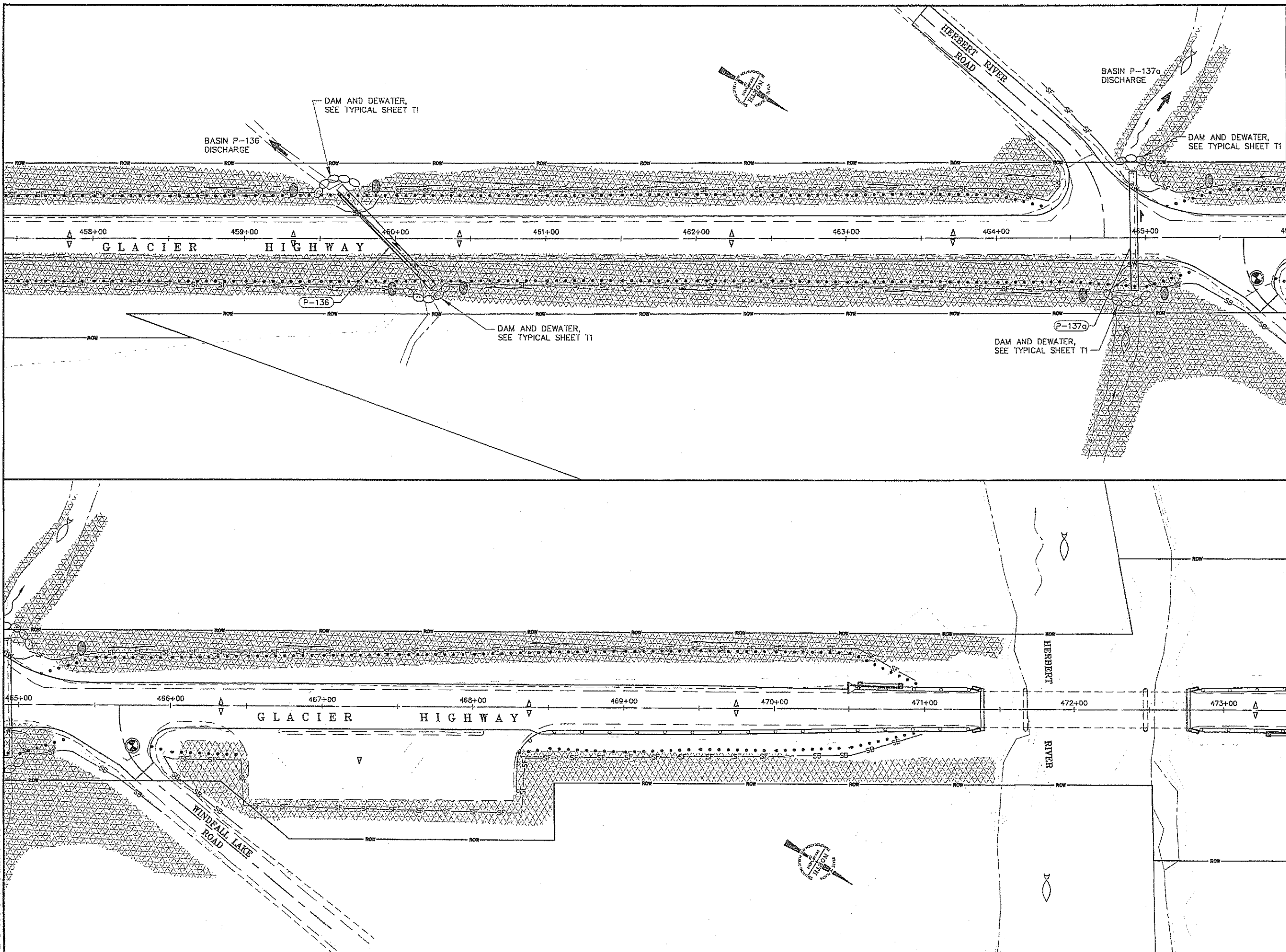
PROJECT DESIGNATION

STP-093-3(27) ~ 68832

STATE	YEAR
ALASKA	2009

SHEET NUMBER	TOTAL SHEETS
T10	100

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



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STEVENS, DAVID A (DOT)
TAB: T11
Mon, 11 May 2009 - 8:06am

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION
-----	------	-------------

KEY MAP

PLAN LEGEND

CHECKED BY: C. Tripp

DESIGNED BY: J. Petropoulos

DRAWN BY: BENNET/PETROPOULOS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY & TRAILHEAD
STAGE II - AMALGA HARBOR ROAD
TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

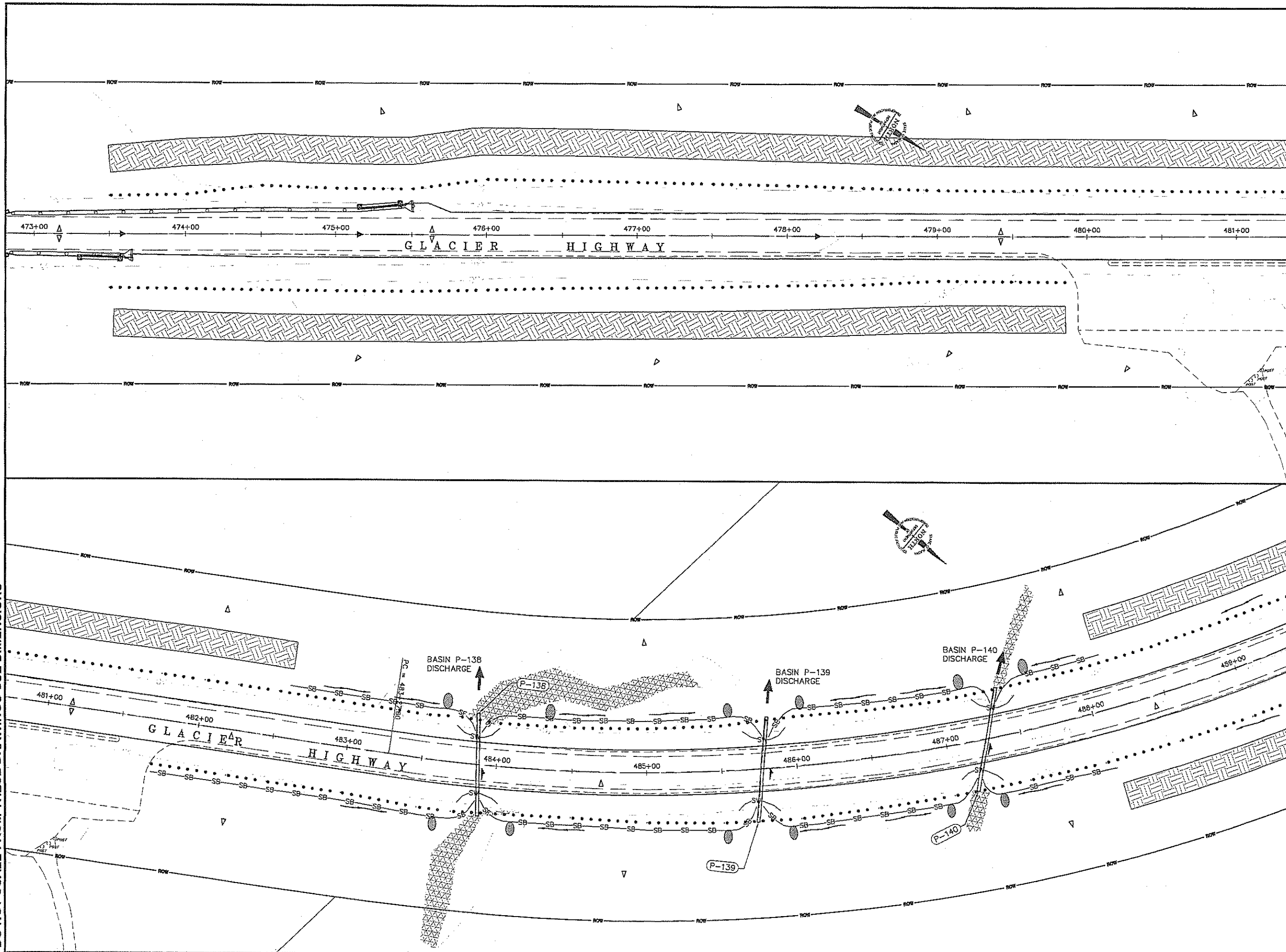
**EROSION & SEDIMENT
CONTROL PLAN**

PROJECT DESIGNATION
STP-093-3(27) ~ 68832

STATE	YEAR
ALASKA	2009

SHEET NUMBER	TOTAL SHEETS
T11	100

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



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STEVENS, DAVID A (DOT)
TAB: T12 Tue, 05 May 2009 - 10:47am

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

KEY MAP

PLAN

PLAN LEGEND

CHECKED BY: C. Tripp

DESIGNED BY: J. Petropoulos
DRAWN BY: BENNET/PETROPULOS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD
TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

EROSION & SEDIMENT
CONTROL PLAN

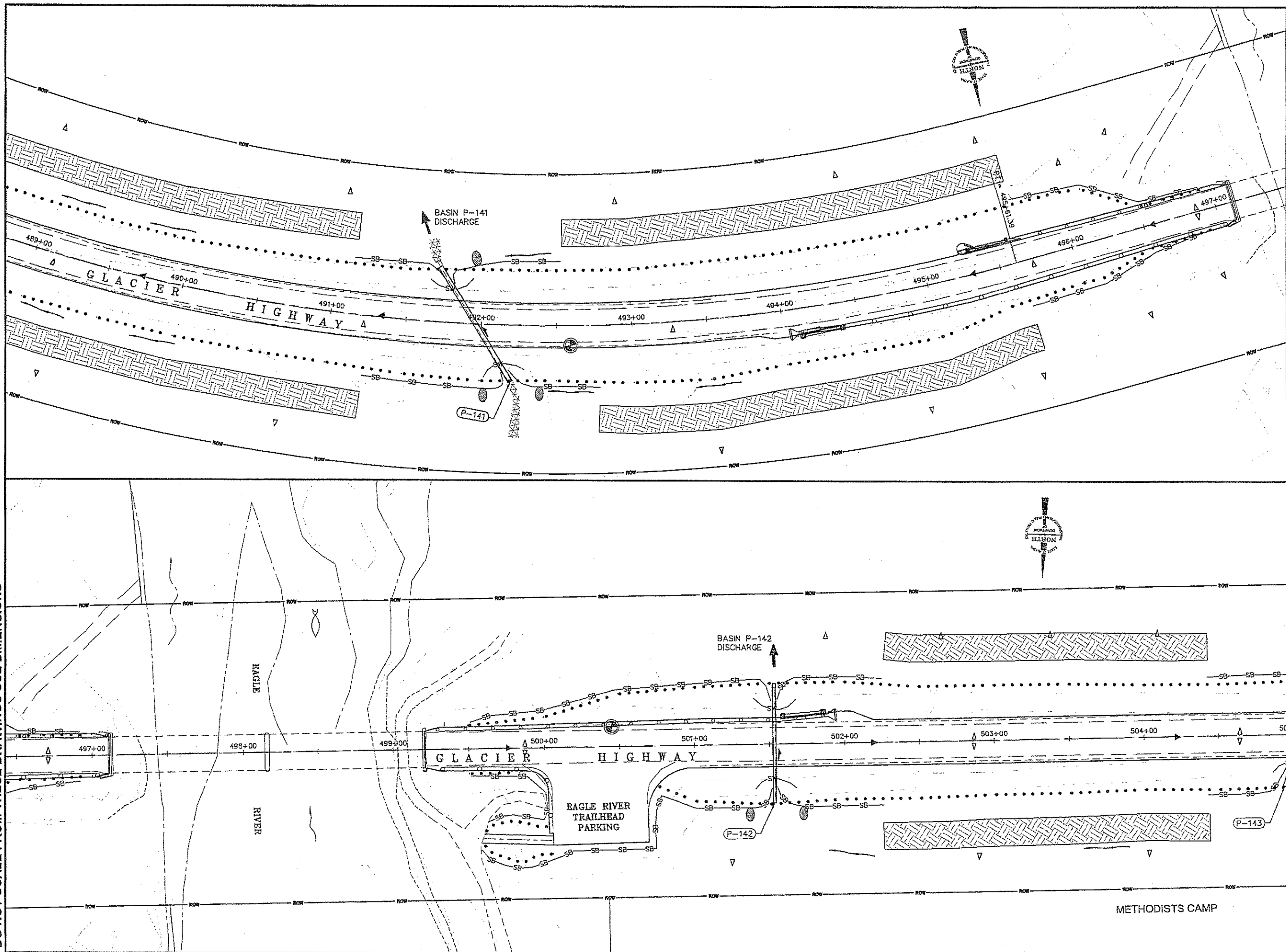
PROJECT DESIGNATION

STP-093-3(27) ~ 68832

STATE	YEAR
ALASKA	2009

SHEET NUMBER	TOTAL SHEETS
T12	100

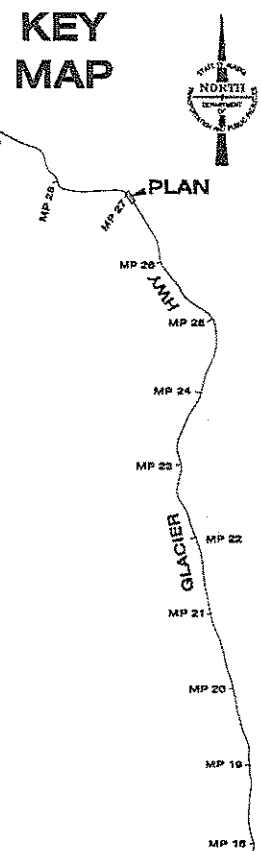
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



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STEVENS, DAVID A (DOT)		
TAB: T13 Tue, 05 May 2009 - 11:15am		
ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION

KEY MAP



PLAN LEGEND

CHECKED BY: C. Tripp



DESIGNED BY: J. Petropoulos

DRAWN BY: BENNETT/PETROPOULOS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD
TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

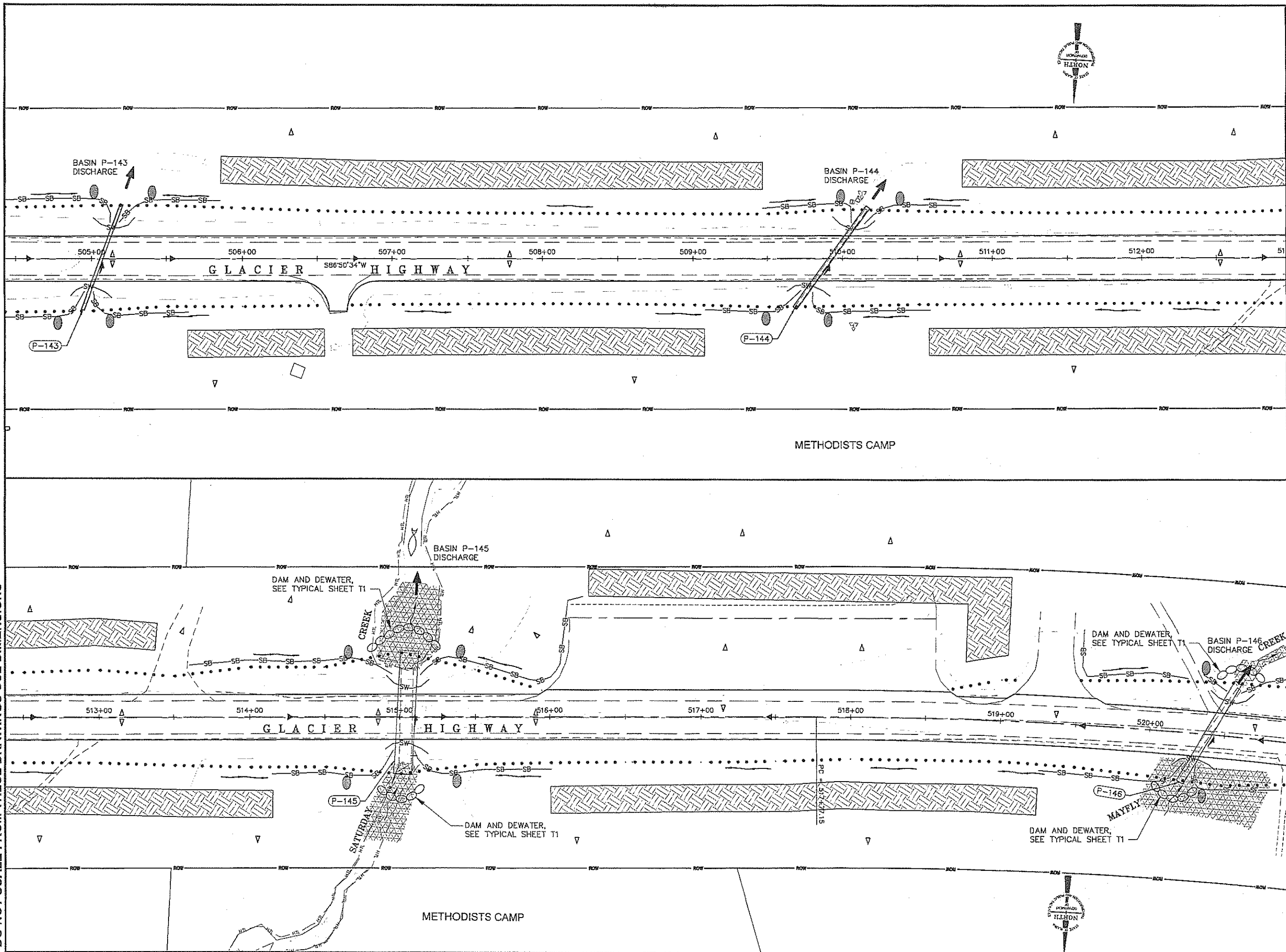
EROSION & SEDIMENT CONTROL PLAN

PROJECT DESIGNATION

STP-093-3(27) ~ 68832

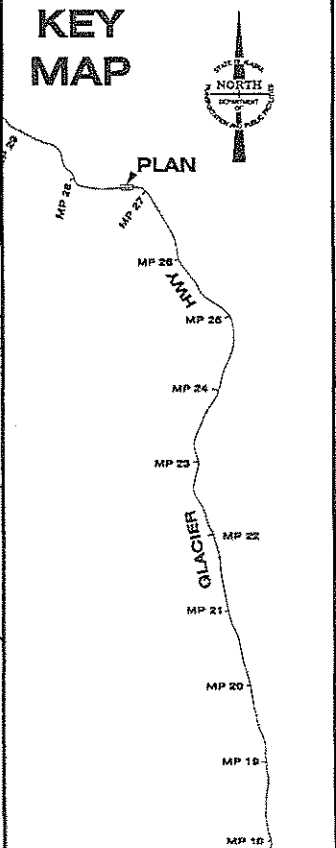
STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
T13	100

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



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STEVENS, DAVID A (DOT)		
TAB: T14 Tue, 05 May 2009 - 10:48am		
ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



PLAN LEGEND

CHECKED BY: C. Tripp



DESIGNED BY: J. Petropoulos
DRAWN BY: BENNETT/PETROPOULOS

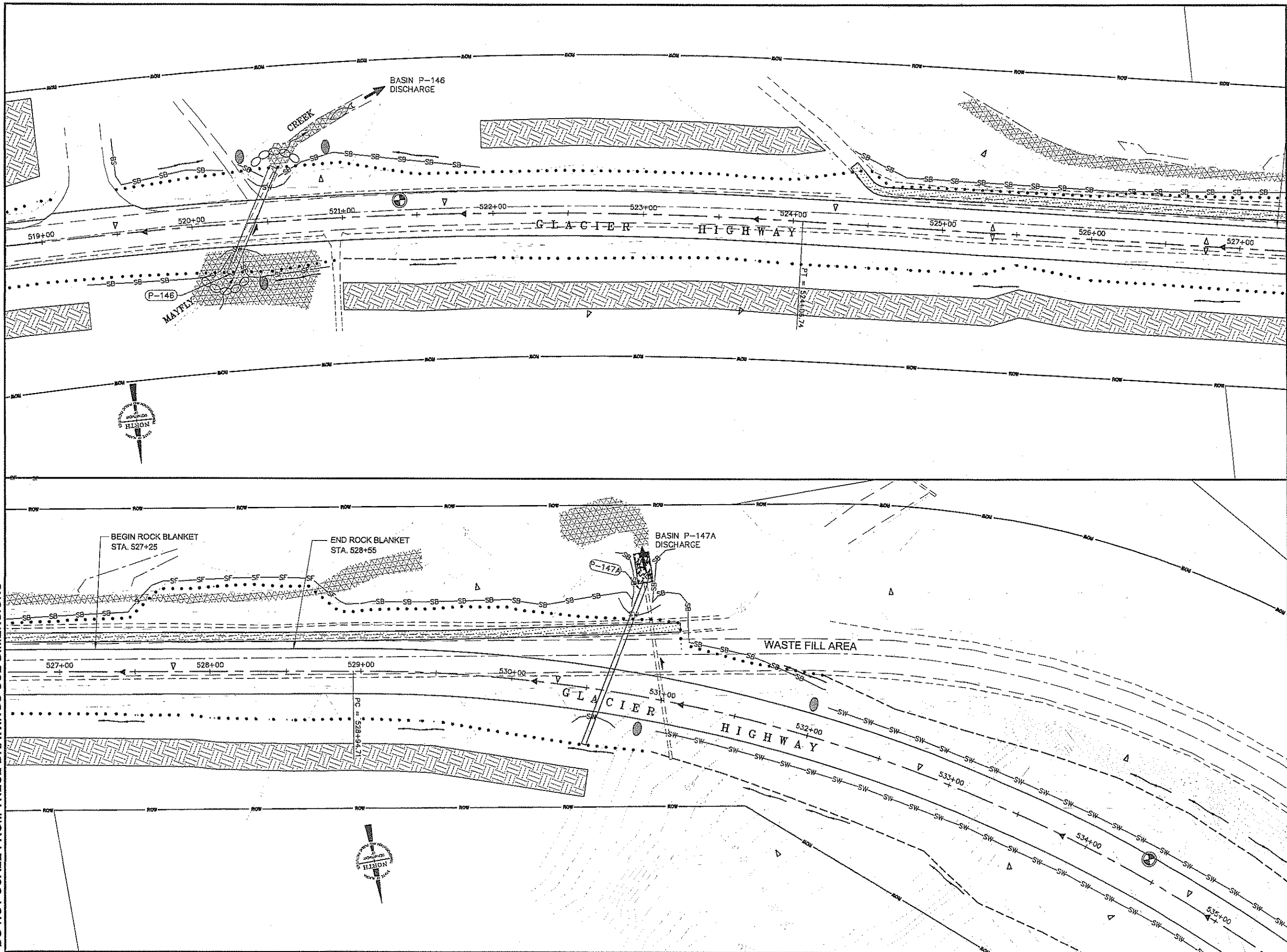
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION
GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD
TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

EROSION & SEDIMENT CONTROL PLAN

PROJECT DESIGNATION
STP-093-3(27) ~ 68832

STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
T14	100

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



PATH: Q:\JUN168832\PLANSET\T4-T20_ESCP_PLAN.T4

STEVENS, DAVID A (DOT)
TAB: T15 Fri, 08 May 2009 - 7:24am

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

KEY MAP

PLAN

MP 28
MP 27
MP 26
MP 25
MP 24
MP 23
MP 22
MP 21
MP 20
MP 19
MP 18

PLAN LEGEND

CHECKED BY: C. Tripp

DESIGNED BY: J. Petropoulos

DRAWN BY: BENNETT/PETROPOULOS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY & TRAILHEAD STAGE II-AMALGA HARBOR ROAD TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

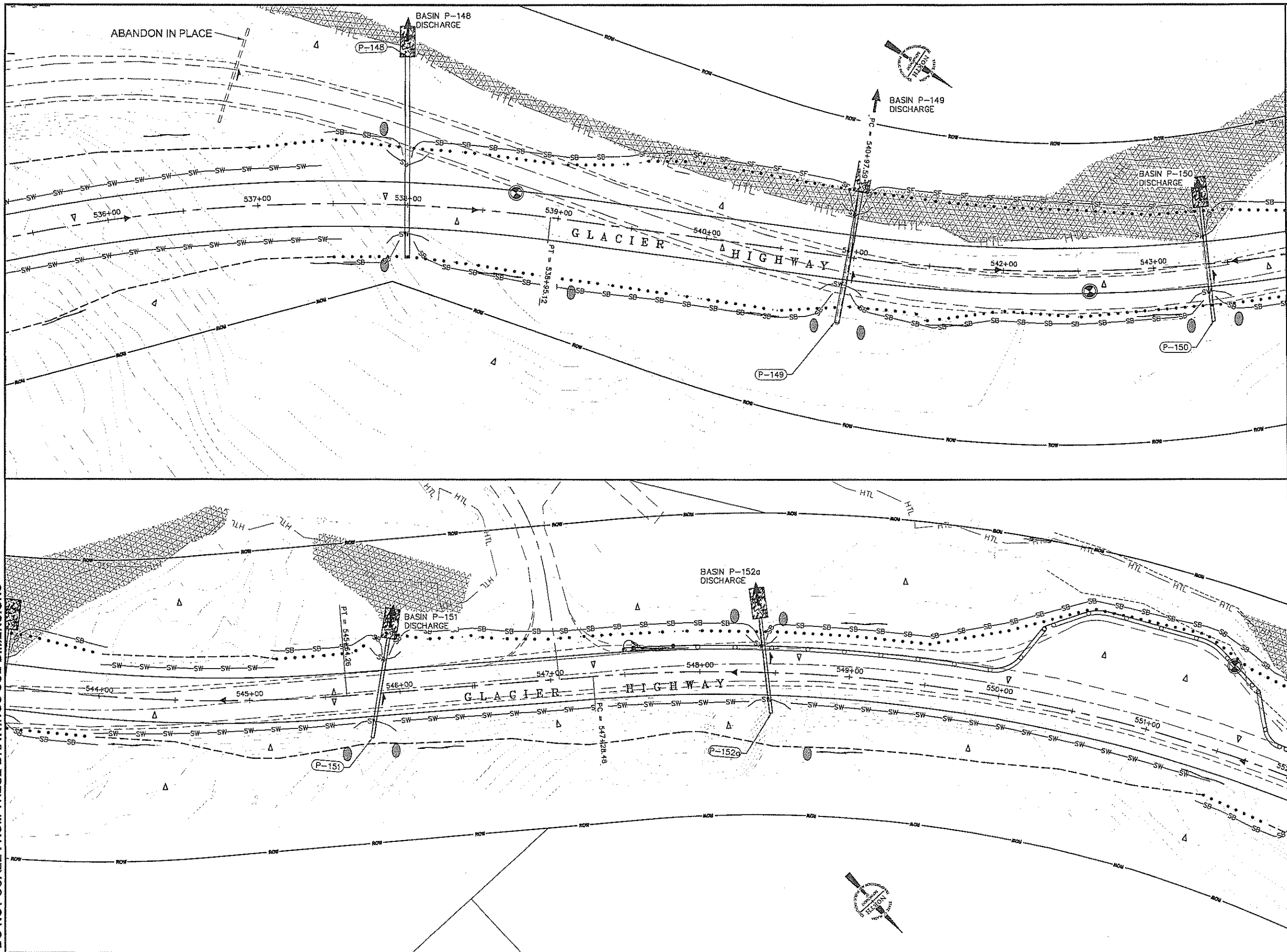
EROSION & SEDIMENT CONTROL PLAN

PROJECT DESIGNATION
STP-093-3(27) ~ 68832

STATE	YEAR
ALASKA	2009

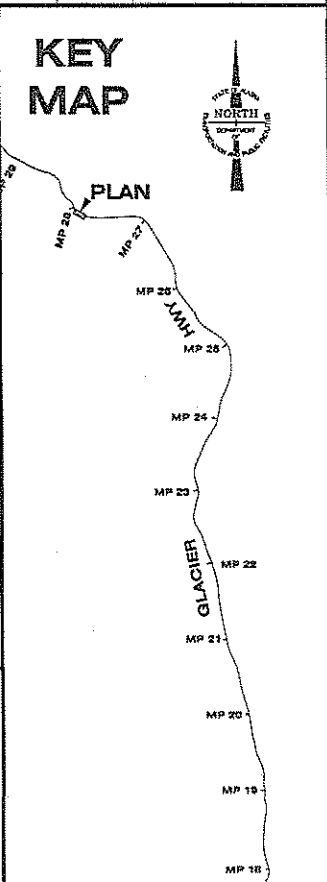
SHEET NUMBER	TOTAL SHEETS
T15	100

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



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STEVENS, DAVID A (DOT)		
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ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



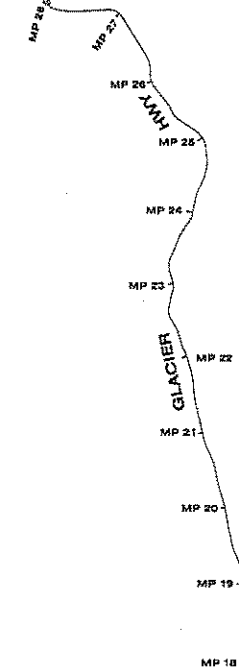
PLAN LEGEND

CHECKED BY: C. Tripp	
DESIGNED BY: J. Petropoulos	
DRAWN BY: BENNETT/PETROPULOS	
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION	
GLACIER HIGHWAY & TRAILHEAD STAGE II-AMALGA HARBOR ROAD TO KAYAK LAUNCH STP-093-3(27) ~ 68832	
EROSION & SEDIMENT CONTROL PLAN	
PROJECT DESIGNATION	
STP-093-3(27) ~ 68832	
STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
T16	100

STEVENS, DAVID A (DOT)		
TAB: T17 Wed, 05 May 2009 - 7:28am		
ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION

KEY
MAP

PLAN



PLAN LEGEND

CHECKED BY: C. Tripp



DESIGNED BY: J. Petropoulos

DRAWN BY: BENNETT/PETROPOULOS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

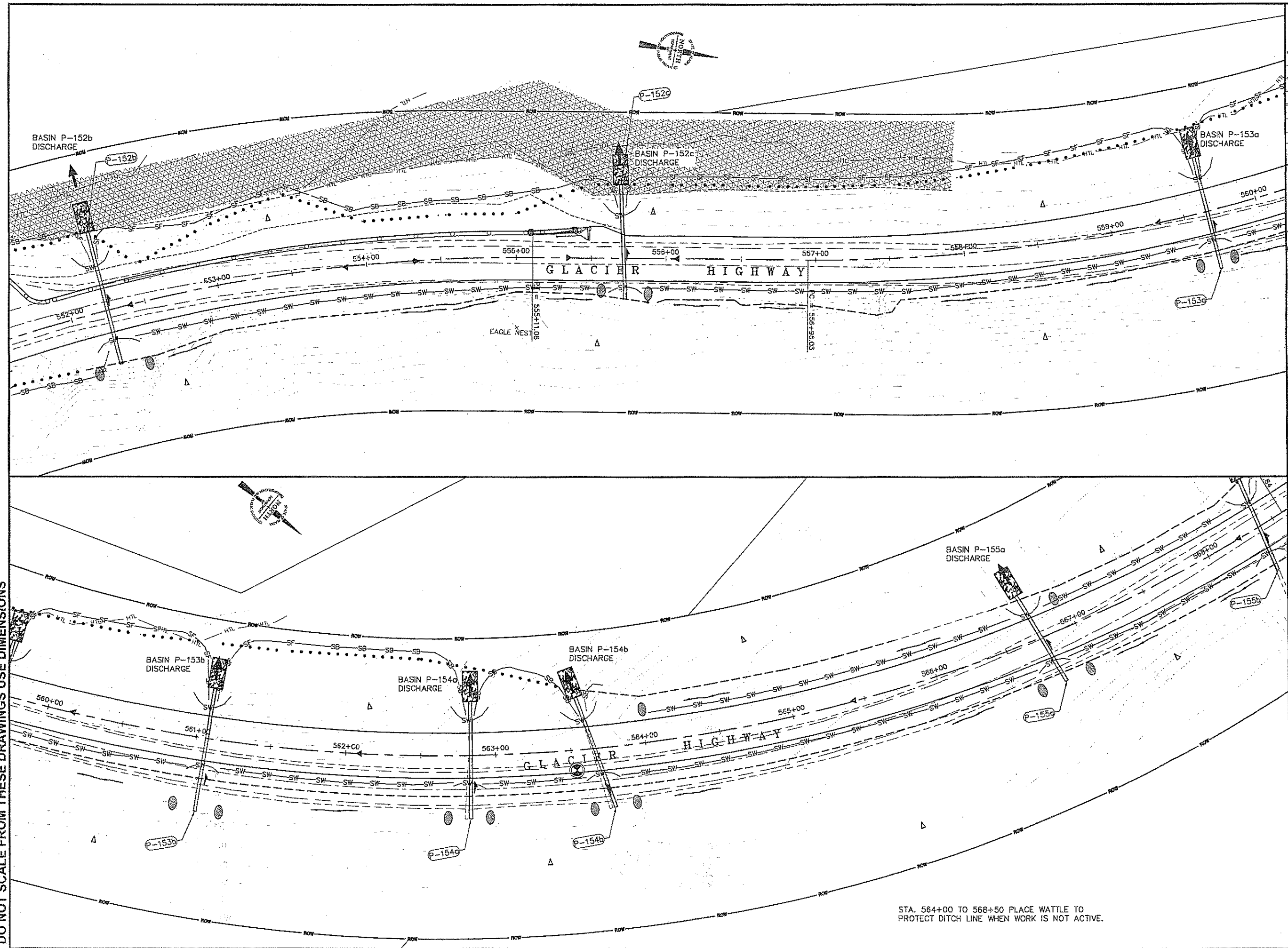
GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD
TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

EROSION & SEDIMENT
CONTROL PLAN

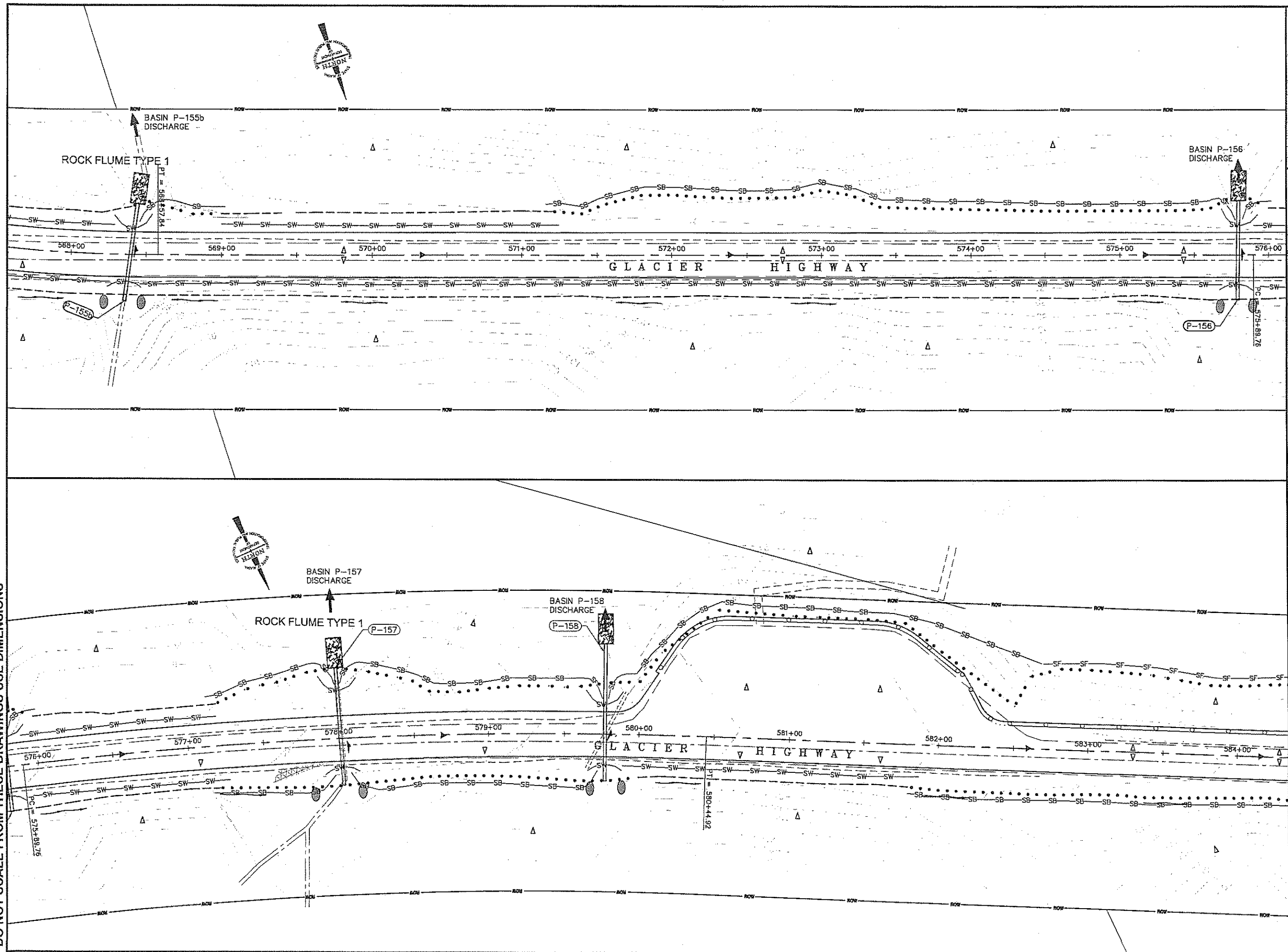
PROJECT DESIGNATION
STP-093-3(27) ~ 68832

STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
T17	100

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



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STEVENS, DAVID A (DOT)
TAB: T18 Tue, 05 May 2009 - 10:49am

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

KEY MAP

PLAN

MP 25 JUN
MP 24
MP 23
MP 22
MP 21
MP 20
MP 19
MP 18

PLAN LEGEND

CHECKED BY: C. Trapp

DESIGNED BY: J. Petropoulos

DRAWN BY: BENNETT/PETROPOULOS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD
TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

**EROSION & SEDIMENT
CONTROL PLAN**

PROJECT DESIGNATION

STP-093-3(27) ~ 68832

STATE	YEAR
ALASKA	2009

SHEET NUMBER	TOTAL SHEETS
T18	100

STEVENS, DAVID A (DOT)
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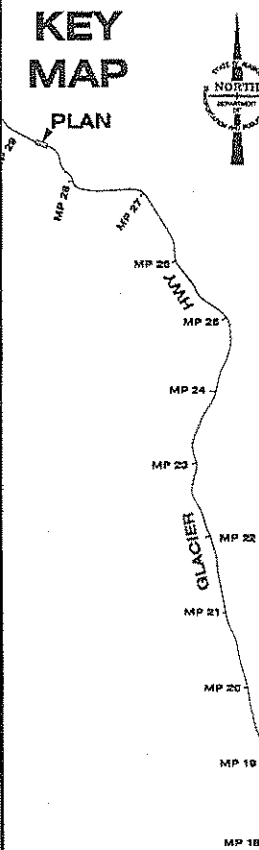
ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

KEY
MAP
PLAN



PLAN LEGEND

CHECKED BY: C. Tripp



DESIGNED BY: J. Petropoulos

DRAWN BY: BENNETT/PETROPULOS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD
TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

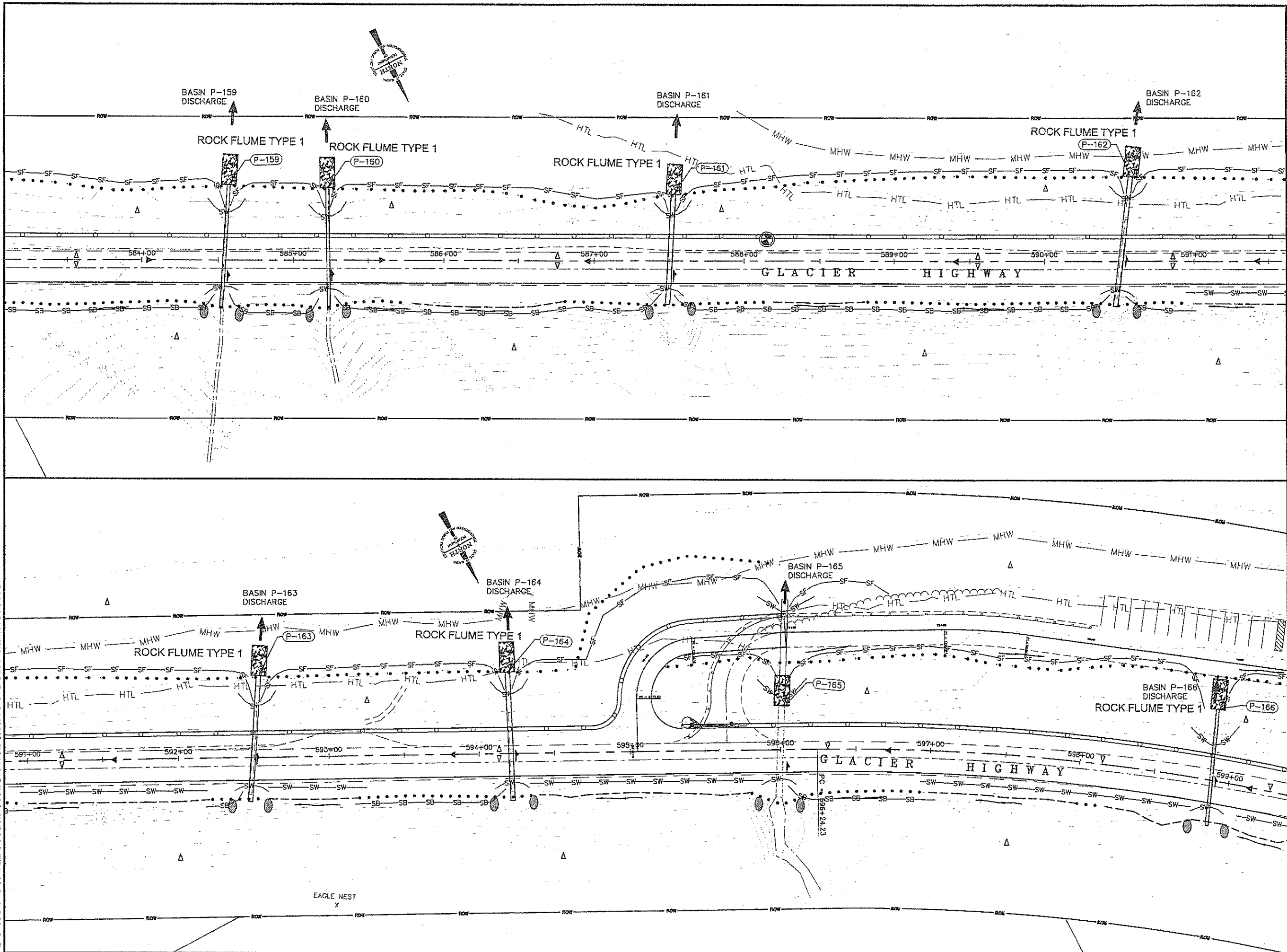
EROSION & SEDIMENT
CONTROL PLAN

PROJECT DESIGNATION
STP-093-3(27) ~ 68832

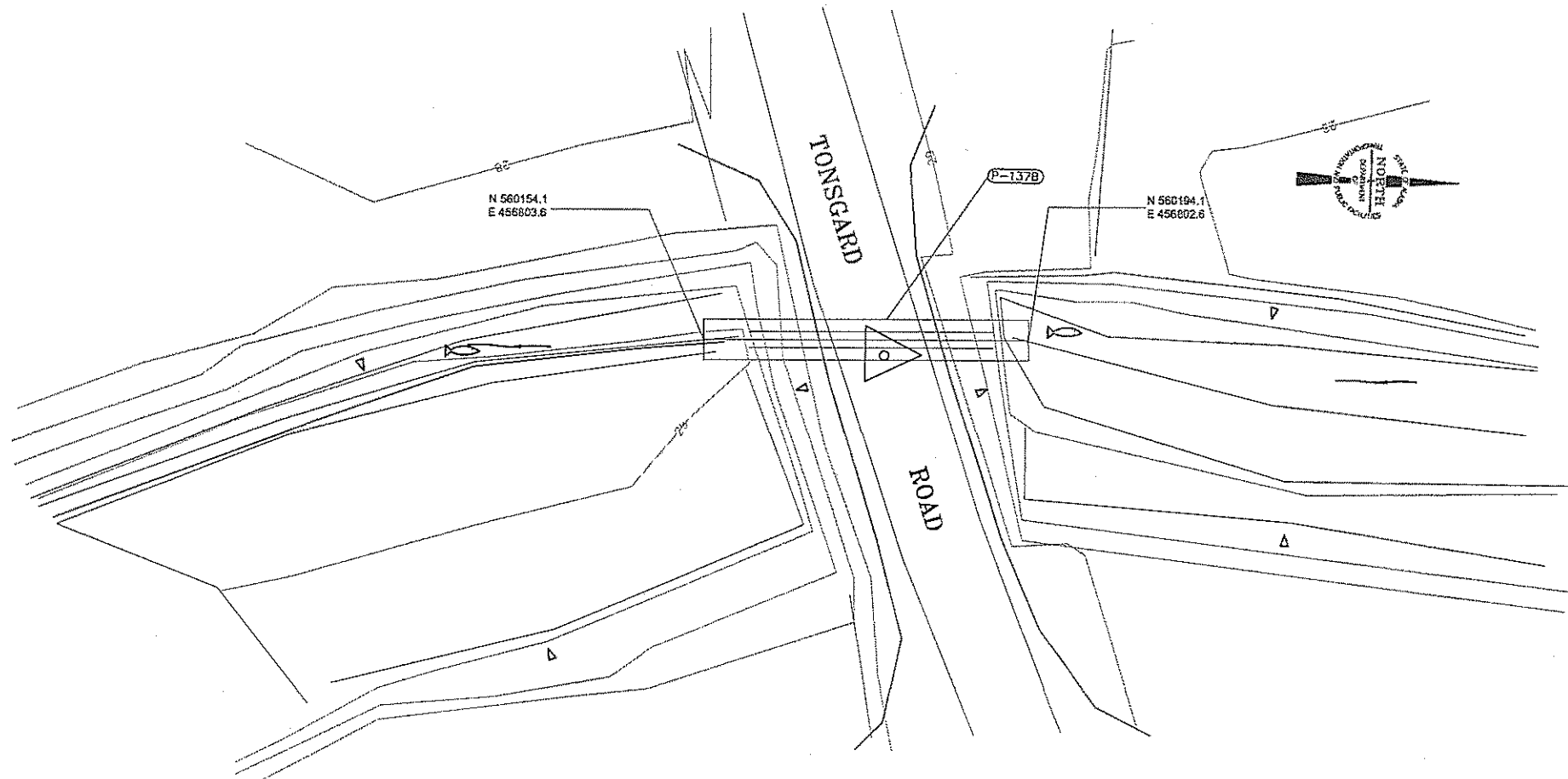
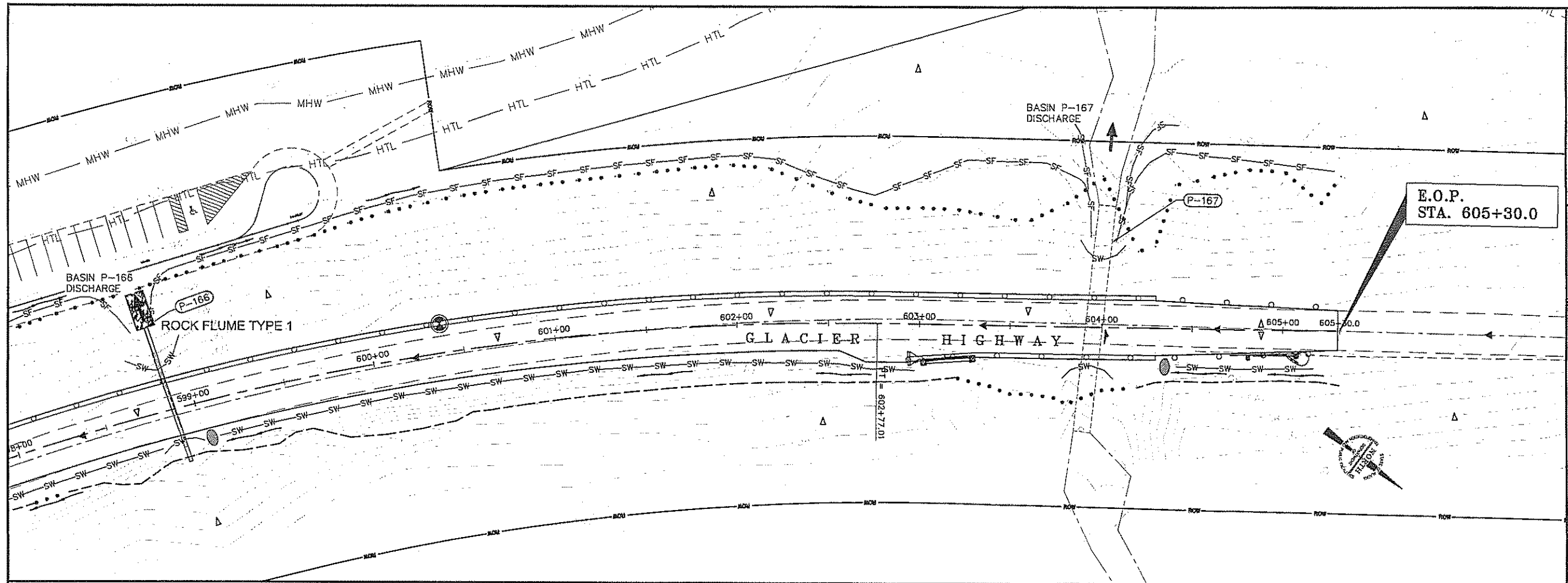
STATE YEAR
ALASKA 2009

SHEET NUMBER TOTAL SHEETS
T19 100

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

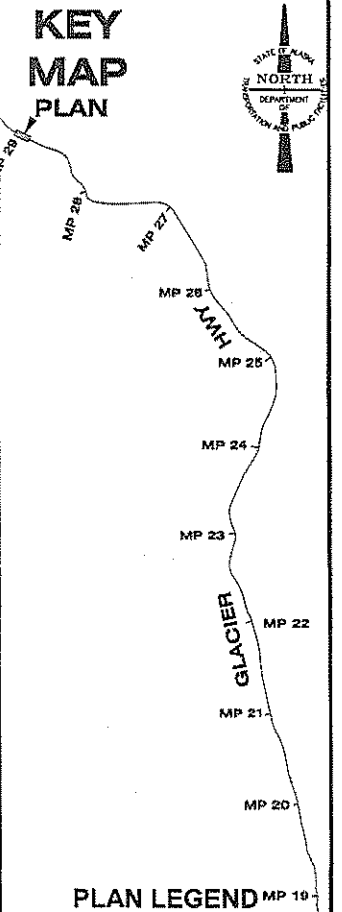


LOCATION P-137B

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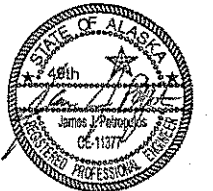
STEVENS, DAVID A (DOT)		
TAB: T20 Wed, 06 May 2009 - 8:55am		
ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION

KEY MAP PLAN



PLAN LEGEND

CHECKED BY: C. Tripp



DESIGNED BY: J. Petropoulos

DRAWN BY: BENNET/PETROPULOS

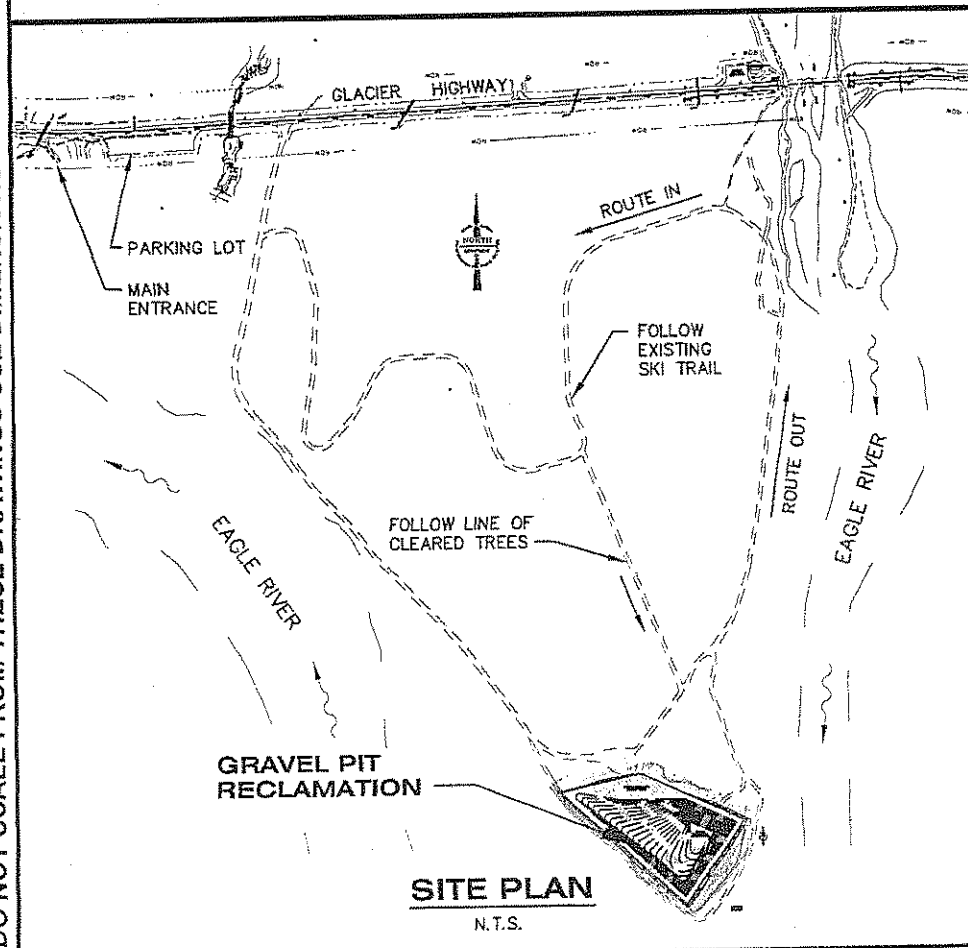
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION
GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD
TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

EROSION & SEDIMENT CONTROL PLAN

PROJECT DESIGNATION
STP-093-3(27) ~ 68832

STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
T20	100

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



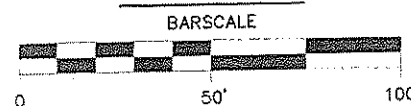
Proposed Primary Pad
Elevation = 30.0

Proposed
Secondary Pad
Elevation = 50.0

NOTES:

1. ADD GRAVEL AS NECESSARY TO EXISTING SKI TRAIL TO OBTAIN 14' WIDE SINGLE LANE ROAD.
2. CAP WITH 8" MINUS, 1.0' DEPTH MIN., 0.25" TOPSOIL PER ESCP, HYDROSEED.
3. D.O.T. SURVEY CREW TO PROVIDE STAKING.
4. PROPOSED CONTOUR INTERVAL - 1.0'.
5. DRAINAGE PATTERN CREATES A SEDIMENTATION BASIN WITH AREA OF APPROX. 9,500 S.F. AND A DISCHARGE ELEVATION OF 21.5 FT., DO NOT FILL.

SITE PLAN



LEGEND:

- FLEXIBLE GROWTH MEDIUM
- DIRECTION OF FLOW
- STRAW WATTLE

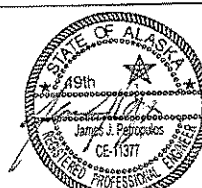


JUN GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

Gravel Pit ESCP

STEVENS, DAVID A (DOT)		
TAB: T21 Tue, 05 May 2009 - 10:52am		
ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION

CHECKED BY: C. Tripp



DESIGNED BY: J. Petropoulos

DRAWN BY: B.W.B./

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY & TRAILHEAD
STAGE II-AMALGA HARBOR ROAD
TO KAYAK LAUNCH
STP-093-3(27) ~ 68832

Gravel Pit ESCP

PROJECT DESIGNATION	
STP-093-3(27) ~ 68832	
STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
T21	100