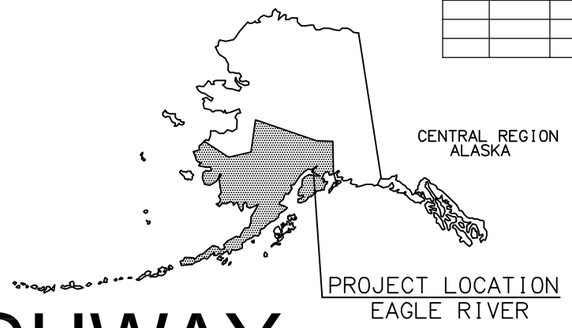
REVISIONS		
NO.	DATE	DESCRIPTION

YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
2009	ALASKA	STP-0558(X)/50946	A1 OF A7	167
ROUTE:	135200	MILEPOINT:		
ROUTE:		MILEPOINT:		

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

PROPOSED HIGHWAY PROJECT



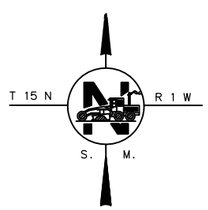
AMATS: OLD GLENN HIGHWAY
S. BIRCHWOOD LOOP TO PETERS CREEK
STP-0558(X)/50946

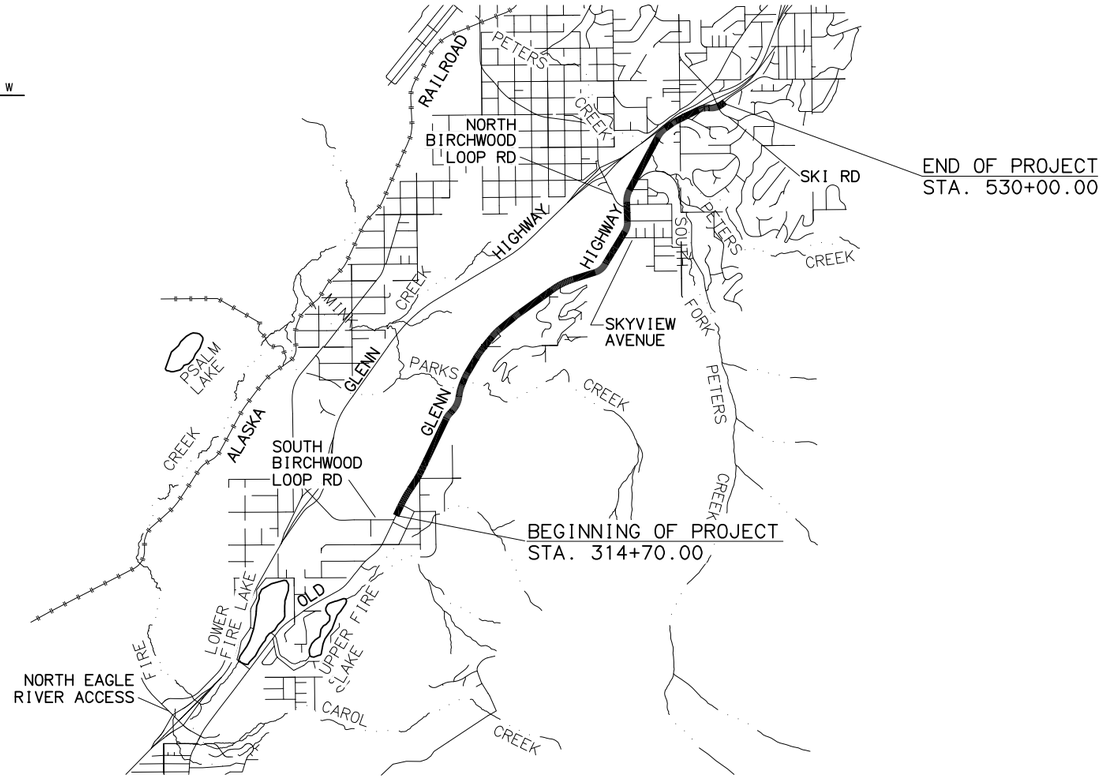
GRADING, DRAINAGE, RETAINING WALLS, PAVING, SIGNING AND STRIPING, AND ILLUMINATION

INDEX	
SHEET NO.	DESCRIPTION
A1 - A7	TITLE, LEGEND, AND SURVEY CONTROL
B1 - B6	TYPICAL SECTIONS
C1 - C2	ESTIMATE OF QUANTITIES
D1 - D11	SUMMARY SHEETS
E1 - E12	DETAIL SHEETS
F1 - F18	PLAN AND PROFILE SHEETS
G1 - G33	PATHWAY AND APPROACH PLAN AND PROFILE SHEETS
H1 - H38	SIGNING, STRIPING AND ILLUMINATION
J1 - J4	TRAFFIC CONTROL SHEETS
M1 - M3	WALL SHEETS
N1 - N10	BRIDGE SHEETS
R1 - R23	ROW SHEETS

THE FOLLOWING ADOT STANDARD DRAWINGS APPLY TO THIS PROJECT:

C-03.10, C-04.12, C-05.10
CR-01.00
D-01.02, D-04.21, D-06.10, D-22.01 D-23.01, D-24.00, D-25.00, D-36.00
E-09.00, F-01.01, F-03.01
G-00.01, G-04.06S, G-04.07W, G-10.01, G13.00, G-20.10, G-25.20W, G-28.00, G30.00, G46.10
L-03.10, L-23.01
M-20.12, M-23.12
S-00.10, S-05.01, S-30.03, S-31.00
T-20.02, T-21.02, T-22.03, T-23.00





DESIGN DESIGNATION	
A.A.D.T. 2010	5249
A.A.D.T. 2030	7799
D.H.V. (%)	12
V. (MPH)	50
D. (%)	55/45
T. (%)	9.5
EAL (2030)	

PROJECT SUMMARY		
ROADWAY	WIDTH	LENGTH
OLD GLENN HIGHWAY	32 FEET	4.1 MILES

PLANS DEVELOPED BY
CRW ENGINEERING GROUP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES

STATE OF ALASKA 49TH BRENDAN C. McKEE CE 8805 REGISTERED PROFESSIONAL ENGINEER

APPROVED:

REGIONAL PRE-CONSTRUCTION ENGINEER DATE

CONCUR:

DIRECTOR, CONSTRUCTION & OPERATIONS DATE

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

CONSTRUCTION PROJECT MANAGER DATE

DESIGNED BY SMD
CHECKED BY BKM
DRAWN BY SMD
DATE DRAFTED: 07/31/09
SPECIFICATIONS
SCALE 1=1
COMPUTER DESIGNATION 2008Scover.dwg

	RECOVERED	TO BE SET THIS PROJECT
GOV'T SECTION CORNER	6 5 7 8 Sec. Cor.	
GOV'T 1/4 SECTION CORNER	5 6 1/4 Cor.	
GOV'T 1/16 SECTION CORNER	1/16 Cor.	
GOV'T SURVEY MONUMENT		
GOV'T CONTROL STA.		
PRIMARY MON. [BRASS/AL CAP]		
SECONDARY CORNER		
PRIMARY CENTERLINE MONUMENT		
SECONDARY CENTERLINE MONUMENT		
SURVEY CONTROL POINT	CP	
SECONDARY SURVEY CONT. POINT	SCP	
GPS CONTROL POINT	GPS	
BENCH MARK	BM	
TEMPORARY BENCH MARK	TBM	
ROCK MONUMENT		
INTERNATIONAL BOUNDARY LINE	ALASKA / CANADA	
TOWNSHIP & RANGE LINE	T. 13 N. / T. 12 N. ; R. 2 W. / R. 3 W.	
SECTION LINE		
1/4 SECTION LINE		
1/16 SECTION LINE		
CORPORATE or CITY LIMITS		
EXISTING RIGHT-OF-WAY		
RIGHT-OF-WAY REQUIRED		
PROJECT RIGHT-OF-WAY LINE	R/W	
EXISTING PROPERTY LINE		
CONTROLLED ACCESS LINE	C/A	
EXISTING EASEMENT LINE		
TEMPORARY CONSTRUCTION PERMIT		
STATION EQUATION	STA. 14+33.22 BK. = STA. 16+90.17 AHD.	
PROJECT CENTERLINE	27+00	
EXISTING CENTERLINE		
RAILROAD CENTERLINE		
HIGHWAY MILEPOST	6.5 / 23+12.56	
RAILROAD MILEPOST	R.R. 2580+60 / HWY. 126+33 ; 842	

ROADWAY OBLITERATION	
LIMIT OF CUT SLOPE	
LIMIT OF FILL SLOPE	
PROPOSED ROADWAY	
EXISTING ROADWAY	
NOISE BARRIER	
FENCE	
STONE FENCE	
HEAD & WINGWALLS	
GUARD RAIL EXISTING	
PROPOSED	
RETAINING WALL	
TUNNEL	
INTERMITTENT DRAINAGE	
INTERCEPTOR DITCH	
MARSHLAND	
CREEK	
RIVER	
LAKE	LAKE
RESERVOIR	RES.
CHANNEL CHANGE	
PLANTER	PLANTER
VENT	
TANK VENT	
WELL	WELL
SEPTIC	SEPTIC
TANKS	
Above Ground	
Below Ground	UG
SATELLITE DISH	
PRIVATE SIGN	
GAS PUMP	GAS PUMP
POST	
BOULDER OR BOULDERS	
LANDSCAPE LIGHT	
DECIDUOUS TREE	
CONIFER TREE	
SHRUB OR SHRUBS	
TREE LINE	

	EXISTING	PROPOSED
PIPELINES:		
SANITARY SEWER	SS	SS
OIL	O	O
GAS	G	G
WATER	W	W
STORM DRAIN	SD	SD
SIDEWALK		
CONCRETE CURB		
CONCRETE CURB & GUTTER		
DRIVEWAY, APPROACH, & SIDEDRAIN		
BRIDGE		
RIPRAP		
DRAINAGE DITCH LINING		

		EXISTING
TELEPHONE	(OVERHEAD)	OHT
	(DIRECT BURY)	T
ELECTRIC	(OVERHEAD)	OHE
	(DIRECT BURY)	E
FIBER OPTIC		FO
U.G. CABLE		TV
TRAFFIC CONDUIT		TR
U.G. DUCT		
TELEPHONE MANHOLE		T
ELECTRIC MANHOLE		E
FOUNDATION		
BUILDING		

	EXISTING	PROPOSED
MANHOLE	M.H.	M.H.
FIRE HYDRANT	FH	FH
METER		
VALVE		
PIPE CULVERT w/ END SECT.		
UTILITY POLE		
ELECTROLIER		
UTILITY POLE WITH LUMINAIRE		
POLE ANCHOR /w GUY		
TRANSMISSION TOWER [WOOD]		
TRANSMISSION TOWER [STEEL]		
ELECTRICAL OUTLET		
ELECTRICAL PEDESTAL		
TELEPHONE PEDESTAL		
CABLE T.V. PEDESTAL		

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	STP-0558(X)/50946	2009	A2	A7

	EXISTING	PROPOSED
MAILBOX	MB	MB
SIGN (FACING →)		
DELINEATOR		
GUIDE MARKER (FACING →)		
SIGNAL FACE, VEHICULAR	9	9
SIGNAL FACE, BACKPLATE	9	9
SIGNAL FACE, LEFT TURN, BACKPLATE	9	9
SIGNAL FACE, PEDESTRIAN	2	2
JUNCTION BOX, TYPE I	8	8
JUNCTION BOX, TYPE II	5	5
JUNCTION BOX, TYPE III	3	3
DETECTOR, LOOP	4	4
DETECTOR, MAGNETOMETER	6	6
DETECTOR, RADAR	R	R
DETECTOR, SONIC	S	S
DETECTOR, OPTICOM		
DETECTOR, PUSH BUTTON (DIRECTION →)	5	5
SIGNAL CONTROLLER		
LOAD CENTER		
SIGNAL POLE	2	4
SIGNAL POLE w/MASTARM	3	5

SOLID WHITE STRIPE	FOR STRIPING PLANS	W
SOLID YELLOW STRIPE		Y
BROKEN WHITE or YELLOW STRIPE		W Y
DASH YELLOW STRIPE		Y
SOLID YELLOW STRIPE with BROKEN YELLOW STRIPE		Y

STATE OF ALASKA
49TH
Shane M. Blanchard
CE 11519
REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY
CRW ENGINEERING GROUP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

AMATS: OLD GLENN HIGHWAY S. BIRCHWOOD LOOP TO PETERS CREEK

LEGEND SHEET

DESIGNED BY
CHECKED BY NKG
DRAFTED BY 7/31/2009

LAYOUT: Legend Sheet
PLOT SCALE: 1:1
SCALE 1:1
COMPUTER DESIGNATION 20080_A2.dwg

SPECIFICATIONS

HORIZONTAL CONTROL STATEMENT

Coordinate System:
The project local ground coordinate system is based on traverses and GPS observations performed by AK DOT/PF.

Basis of Coordinates:
NGS Station OMALLEY GPS 1986, a brass disk clamped to the top of a stainless steel rod, has Anchorage Bowl 2000 coordinates of N 303939.2310, E 353362.5445.

Basis of Bearings:
The Basis of Bearing is the NAD83 State Plane Grid bearing to USC&GS Station LOOP 2 USE RM 3 1964, a brass disk on a concrete post. This monument has coordinates of N 353405.2778, E 354851.3982 and bears N. 1°43'26.4" E. a distance of 49488.45 feet.

Translation Parameters:
To convert these Bowl 2000 coordinates to NAD83 (92) State Plane coordinates expressed in U.S. Survey Feet, translate using +2296868.6878 N, +1312517.4904 E and scale using 0.9998910192.

NOTES:

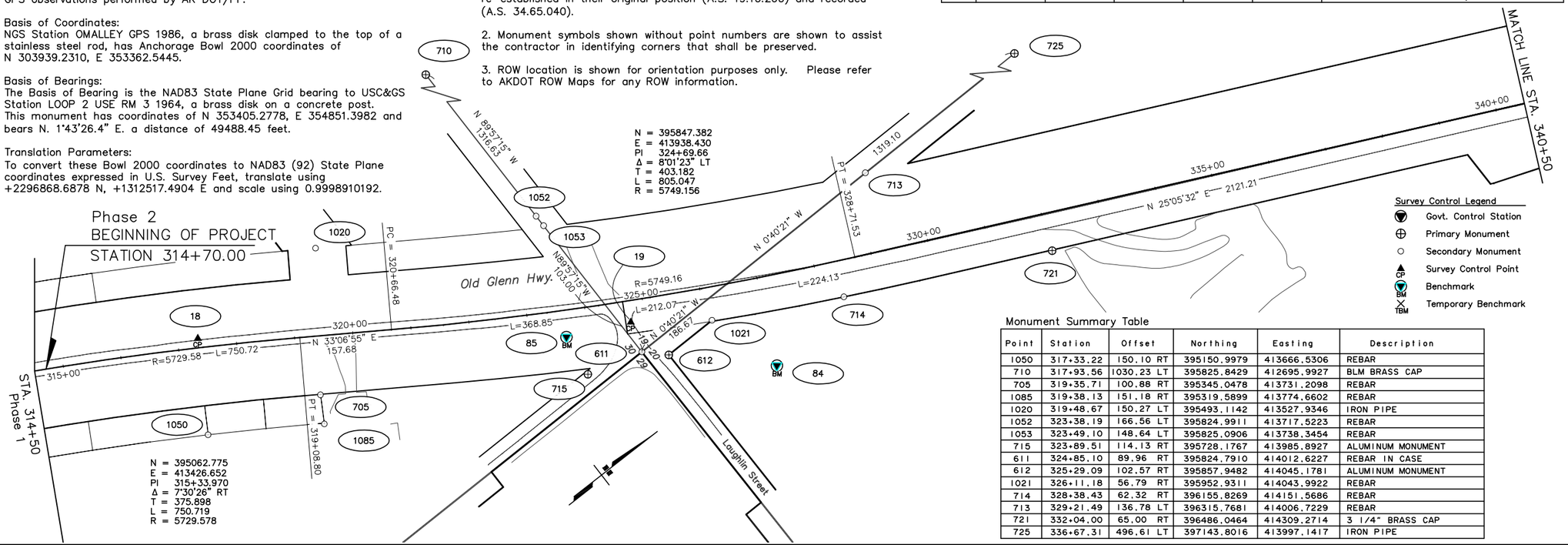
1. Whether listed or not, ALL monuments or property markers, corners, or accessories, which will be disturbed or buried, shall be referenced or re-established in their original position (A.S. 19.10.260) and recorded (A.S. 34.65.040).

2. Monument symbols shown without point numbers are shown to assist the contractor in identifying corners that shall be preserved.

3. ROW location is shown for orientation purposes only. Please refer to AKDOT ROW Maps for any ROW information.

Vertical Control Points

Point	Station	Offset	Northing	Easting	Elevation	Description
83	353+79	105 Rt.	398377	415308	498.72	BM E-12: Bolt/Wsher W Wall Bldg
84	327+04	154 Rt.	395993	414174	455.40	BM E-11: Bolt with washer
85	323+62	46 Rt.	395738	413913	455.40	BM M-83: USC&GS Brass Cap on Rod



Monument Summary Table

Point	Station	Offset	Northing	Easting	Description
1050	317+33.22	150.10 RT	395150.9979	413666.5306	REBAR
710	317+93.56	1030.23 LT	395825.8429	412695.9927	BLM BRASS CAP
705	319+35.71	100.88 RT	395345.0478	413731.2098	REBAR
1085	319+38.13	151.18 RT	395319.5899	413774.6602	REBAR
1020	319+48.67	150.27 LT	395493.1142	413527.9346	IRON PIPE
1052	323+38.19	166.56 LT	395824.9911	413717.5223	REBAR
1053	323+49.10	148.64 LT	395825.0906	413738.3454	REBAR
715	323+89.51	114.13 RT	395728.1767	413985.8927	ALUMINUM MONUMENT
611	324+85.10	89.96 RT	395824.7910	414012.6227	REBAR IN CASE
612	325+29.09	102.57 RT	395857.9482	414045.1781	ALUMINUM MONUMENT
1021	326+11.18	56.79 RT	395952.9311	414043.9922	REBAR
714	328+38.43	62.32 RT	396155.8269	414151.5686	REBAR
713	329+21.49	136.78 LT	396315.7681	414006.7229	REBAR
721	332+04.00	65.00 RT	396486.0464	414309.2714	3 1/4" BRASS CAP
725	336+67.31	496.61 LT	397143.8016	413997.1417	IRON PIPE

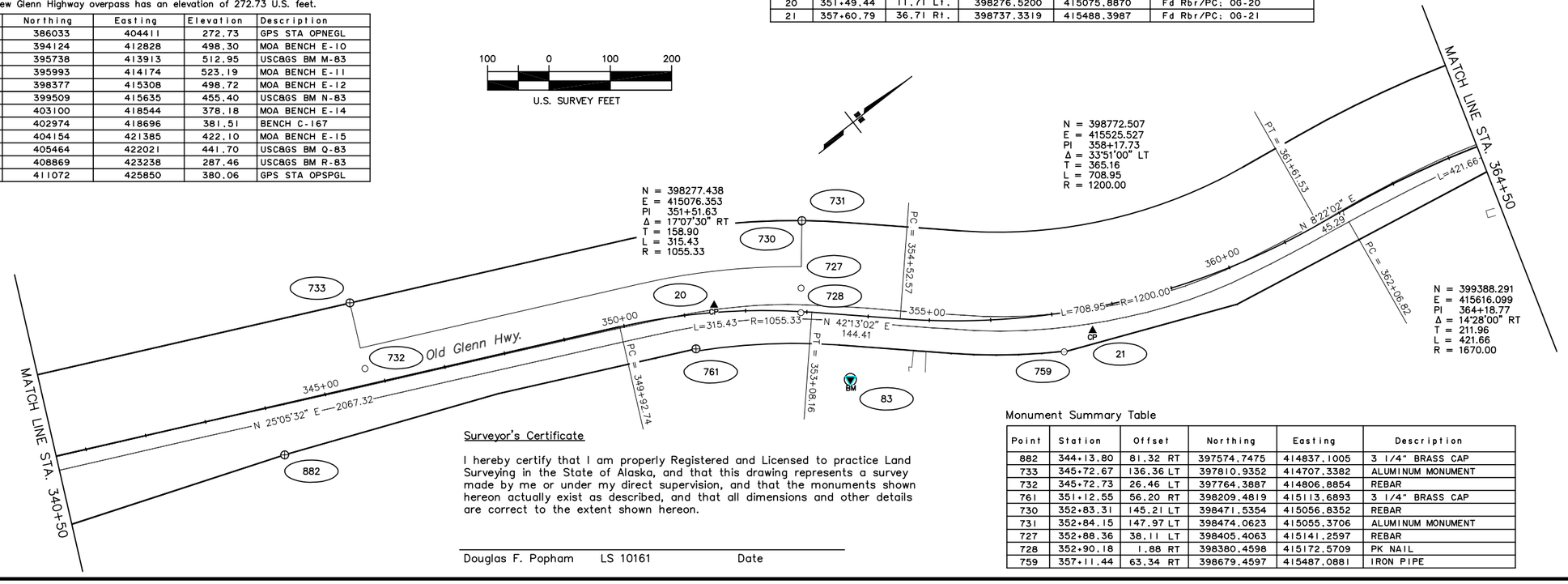
VERTICAL CONTROL STATEMENT

USC&GS Published Datum, as determined by a series of level loops performed by AKDOT between the following bench marks:
AK DOT/PF GPS Station OPNEGL, a 3 1/4" brass cap at the southeast corner of the New Glenn Highway overpass has an elevation of 272.73 U.S. feet.

Point	Northing	Easting	Elevation	Description
40	386033	404411	272.73	GPS STA OPNEGL
86	394124	412828	498.30	MOA BENCH E-10
85	395738	413913	512.95	USC&GS BM M-83
84	395993	414174	523.19	MOA BENCH E-11
83	398377	415308	498.72	MOA BENCH E-12
82	399509	415635	455.40	USC&GS BM N-83
379	403100	418544	378.18	MOA BENCH E-14
80	402974	418696	381.51	BENCH C-167
378	404154	421385	422.10	MOA BENCH E-15
377	405464	422021	441.70	USC&GS BM Q-83
374	408869	423238	287.46	USC&GS BM R-83
46	411072	425850	380.06	GPS STA OPSPGL

Horizontal Control Points

Point	Station	Offset	Northing	Easting	Description
18	317+34.81	15.95 Lt.	395238.7730	413525.5697	Fd Rbr/PC; OG-18
19	324+74.42	36.81 Rt.	395841.1065	413960.9063	Fd Rbr/PC; OG-19
20	351+49.44	11.71 Lt.	398276.5200	415075.8870	Fd Rbr/PC; OG-20
21	357+60.79	36.71 Rt.	398737.3319	415488.3987	Fd Rbr/PC; OG-21



Monument Summary Table

Point	Station	Offset	Northing	Easting	Description
882	344+13.80	81.32 RT	397574.7475	414837.1005	3 1/4" BRASS CAP
733	345+72.67	136.36 LT	397810.9352	414707.3382	ALUMINUM MONUMENT
732	345+72.73	26.46 LT	397764.3887	414806.8854	REBAR
761	351+12.55	56.20 RT	398209.4819	415113.6893	3 1/4" BRASS CAP
730	352+83.31	145.21 LT	398471.5354	415056.8352	REBAR
731	352+84.15	147.97 LT	398474.0623	415055.3706	ALUMINUM MONUMENT
727	352+88.36	38.11 LT	398405.4063	415141.2597	REBAR
728	352+90.18	1.88 RT	398380.4598	415172.5709	PK NAIL
759	357+11.44	63.34 RT	398679.4597	415487.0881	IRON PIPE

Surveyor's Certificate

I hereby certify that I am properly Registered and Licensed to practice Land Surveying in the State of Alaska, and that this drawing represents a survey made by me or under my direct supervision, and that the monuments shown hereon actually exist as described, and that all dimensions and other details are correct to the extent shown hereon.

Douglas F. Popham LS 10161 Date

STATE OF ALASKA 49TH REGISTERED PROFESSIONAL LAND SURVEYOR DOUGLAS F. POPHAM LS 10161

SHEET NO.	TOTAL SHEETS
A3	A7
STATE	YEAR
ALASKA	2008

PROJECT DESIGNATION
STP-0558(2)

ADDENDUM NO.

ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

Old Glenn Highway
Phase 2

Survey Control Sheet

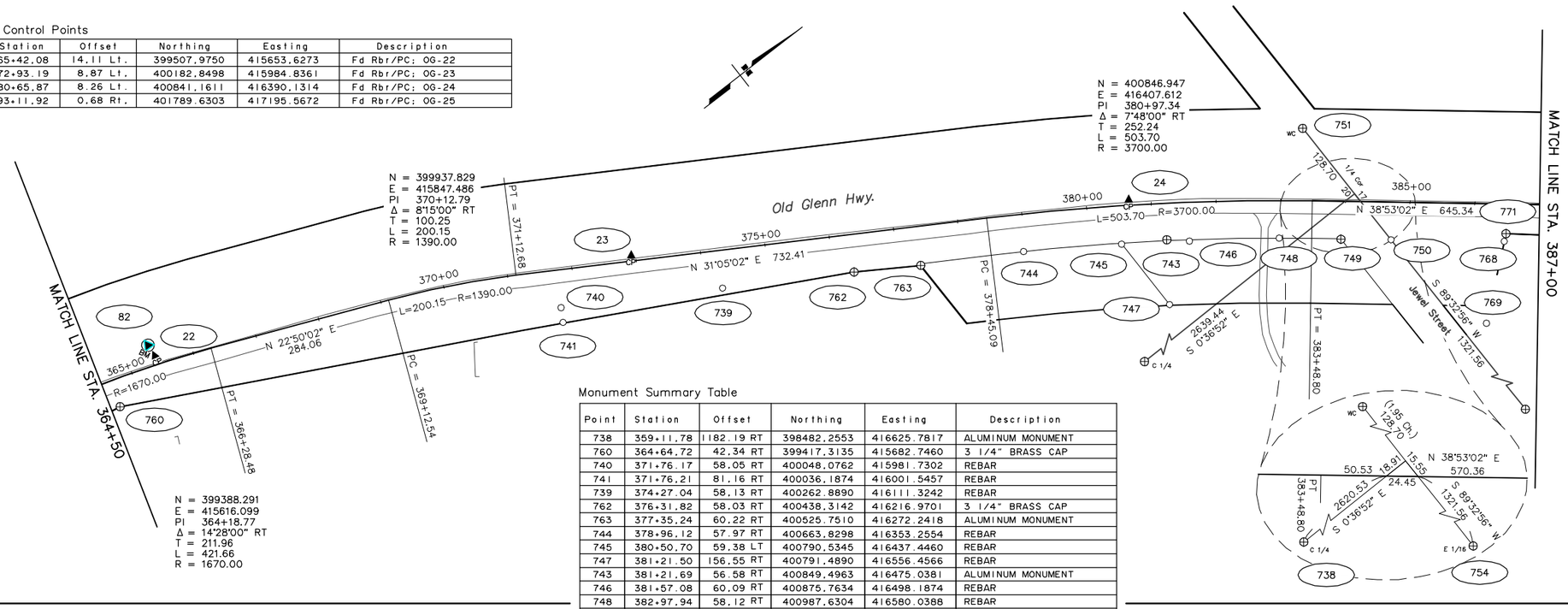
DESIGNED BY
CHECKED BY
DRAWN BY
VIEW=
SPECIFICATIONS
SCALE
COMPUTER DESIGNATION

Vertical Control Points

Point	Station	Offset	Northing	Easting	Elevation	Description
82	365+37	32 Lt.	399509	415635	455.40	BM N-83 USC&GS Rod/Brass Cap
81	388+03	78 Rt.	401368	416912	367.77	TBM-81 RR Spike in Spruce

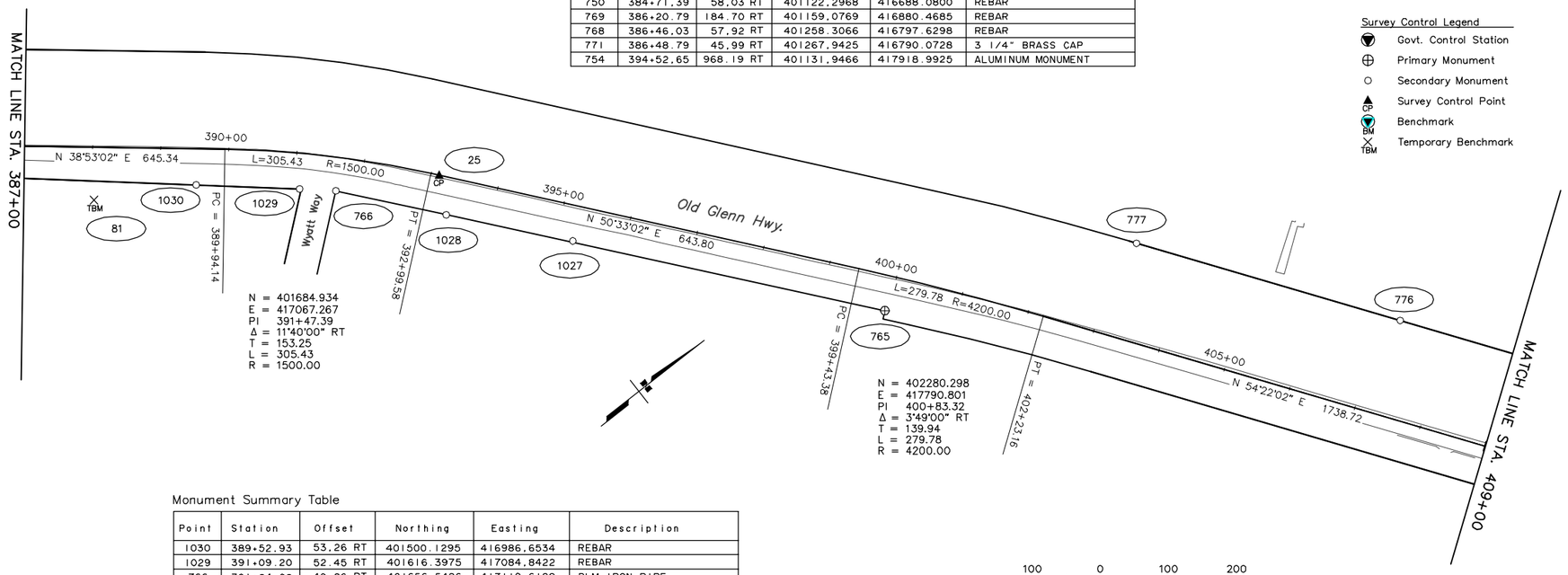
Horizontal Control Points

Point	Station	Offset	Northing	Easting	Description
22	365+42.08	14.11 Lt.	399507.9750	415653.6273	Fd Rbr/PC; OG-22
23	372+93.19	8.87 Lt.	400182.8498	415984.8361	Fd Rbr/PC; OG-23
24	380+65.87	8.26 Lt.	400841.1611	416390.1314	Fd Rbr/PC; OG-24
25	393+11.92	0.68 Rt.	401789.6303	417195.5672	Fd Rbr/PC; OG-25



Monument Summary Table

Point	Station	Offset	Northing	Easting	Description
738	359+11.78	1182.19 RT	398482.2553	416625.7817	ALUMINUM MONUMENT
760	364+64.72	42.34 RT	399417.3135	415682.7460	3 1/4" BRASS CAP
740	371+76.17	58.05 RT	400048.0762	415981.7302	REBAR
741	371+76.21	81.16 RT	400036.1874	416001.5457	REBAR
739	374+27.04	58.13 RT	400262.8890	416111.3242	REBAR
762	376+31.82	58.03 RT	400438.3142	416216.9701	3 1/4" BRASS CAP
763	377+35.24	60.22 RT	400525.7510	416272.2418	ALUMINUM MONUMENT
744	378+96.12	57.97 RT	400663.8298	416353.2554	REBAR
745	380+50.70	59.38 LT	400790.5345	416437.4460	REBAR
747	381+21.50	156.55 RT	400791.4890	416556.4566	REBAR
743	381+21.69	56.58 RT	400849.4963	416475.0381	ALUMINUM MONUMENT
746	381+57.08	60.09 RT	400875.7634	416498.1874	REBAR
748	382+97.94	58.12 RT	400987.6304	416580.0388	REBAR
751	383+32.83	111.61 LT	401120.5313	416468.7768	3 1/4" BRASS CAP
749	383+94.10	58.48 RT	401061.8471	416639.9138	ALUMINUM MONUMENT
750	384+71.39	58.03 RT	401122.2968	416688.0800	REBAR
769	386+20.79	184.70 RT	401159.0769	416880.4685	REBAR
768	386+46.03	57.92 RT	401258.3066	416797.6298	REBAR
771	386+48.79	45.99 RT	401267.9425	416790.0728	3 1/4" BRASS CAP
754	394+52.65	968.19 RT	401131.9466	417918.9925	ALUMINUM MONUMENT



Survey Control Legend

- Govt. Control Station
- Primary Monument
- Secondary Monument
- CP Survey Control Point
- BM Benchmark
- TBM Temporary Benchmark

Monument Summary Table

Point	Station	Offset	Northing	Easting	Description
1030	389+52.93	53.26 RT	401500.1295	416986.6534	REBAR
1029	391+09.20	52.45 RT	401616.3975	417084.8422	REBAR
766	391+64.08	49.26 RT	401656.5496	417119.6108	BLM IRON PIPE
1028	393+34.72	54.19 RT	401762.7917	417247.1697	IRON PIPE
1027	395+24.40	51.40 RT	401885.4672	417391.8709	REBAR
765	399+94.54	51.36 RT	402183.5924	417754.5903	3 1/4" BRASS CAP
777	403+24.23	141.55 LT	402535.7590	417904.2210	REBAR
776	407+27.65	142.00 LT	402771.1485	418231.8473	REBAR

100 0 100 200
U.S. SURVEY FEET

NOTE:

Refer to Sheet A3 for Notes, Certificates, and Control Information.

SHEET NO.	TOTAL SHEETS
A4	A7
STATE	YEAR
ALASKA	2009

PROJECT DESIGNATION
STP-0558(X)

ADDENDUM NO.

ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION

STATE OF ALASKA
49TH
DOUGLAS F. POPHAM
LS 10161
REGISTERED PROFESSIONAL LAND SURVEYOR

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

AMATS: Old Glenn Highway
S. Birchwood Loop to
Peters Creek

Survey Control Sheet

DESIGNED BY
DRAWN BY
CHECKED BY
VIEW
SPECIFICATIONS
SCALE
COMPUTER DESIGNATION

Monument Summary Table

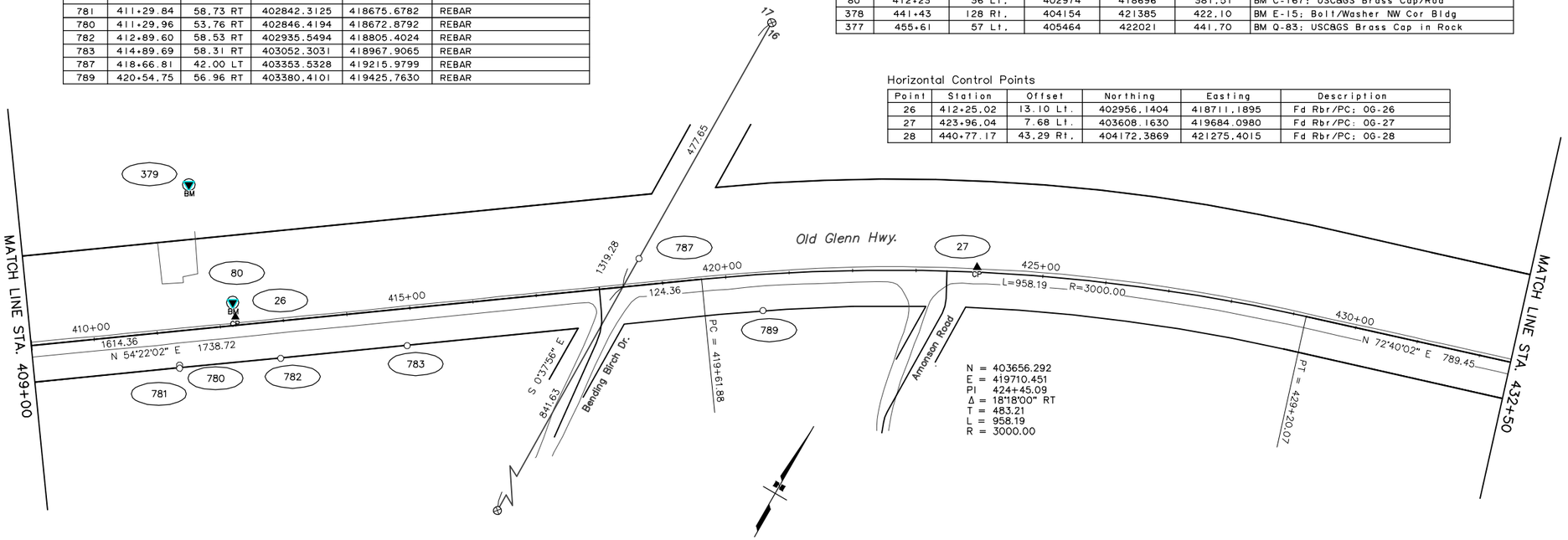
Point	Station	Offset	Northing	Easting	Description
781	411+29.84	58.73 RT	402842.3125	418675.6782	REBAR
780	411+29.96	53.76 RT	402846.4194	418672.8792	REBAR
782	412+89.60	58.53 RT	402935.5494	418805.4024	REBAR
783	414+89.69	58.31 RT	403052.3031	418967.9065	REBAR
787	418+66.81	42.00 LT	403353.5328	419215.9799	REBAR
789	420+54.75	56.96 RT	403380.4101	419425.7630	REBAR

Vertical Control Points

Point	Station	Offset	Northing	Easting	Elevation	Description
379	411+72	228 Lt.	403100	418544	378.18	BM E-14; Bolt/Washer NW School
80	412+23	36 Lt.	402974	418696	381.51	BM C-167; USC&GS Brass Cap/Rod
378	441+43	128 Rt.	404154	421385	422.10	BM E-15; Bolt/Washer NW Cor Bldg
377	455+61	57 Lt.	405464	422021	441.70	BM Q-83; USC&GS Brass Cap in Rock

Horizontal Control Points

Point	Station	Offset	Northing	Easting	Description
26	412+25.02	13.10 Lt.	402956.1404	418711.1895	Fd Rbr/PC; 06-26
27	423+96.04	7.68 Lt.	403608.1630	419684.0980	Fd Rbr/PC; 06-27
28	440+77.17	43.29 Rt.	404172.3869	421275.4015	Fd Rbr/PC; 06-28

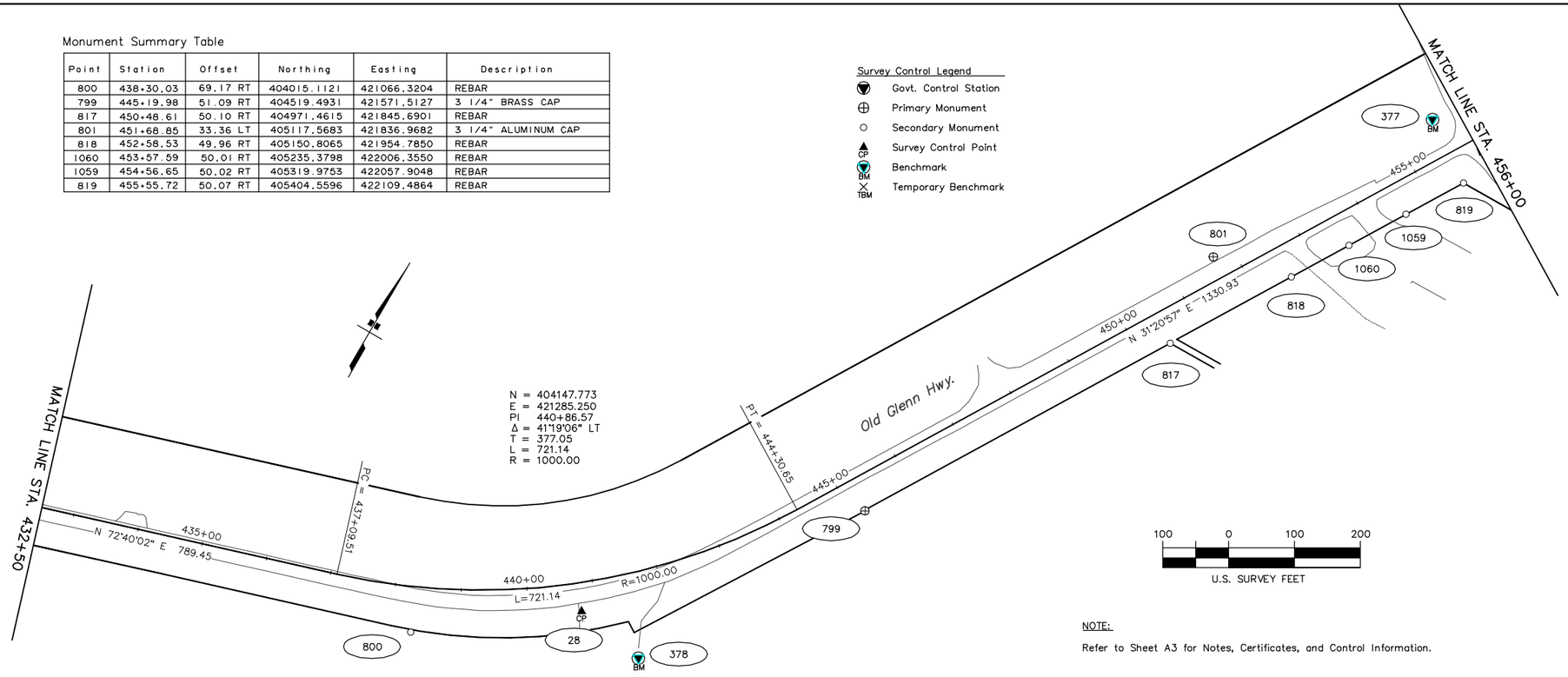


Monument Summary Table

Point	Station	Offset	Northing	Easting	Description
800	438+30.03	69.17 RT	404015.1121	421066.3204	REBAR
799	445+19.98	51.09 RT	404519.4931	421571.5127	3 1/4" BRASS CAP
817	450+48.61	50.10 RT	404971.4615	421845.6901	REBAR
801	451+68.85	33.36 LT	405117.5683	421836.9682	3 1/4" ALUMINUM CAP
818	452+58.53	49.96 RT	405150.8065	421954.7850	REBAR
1060	453+57.59	50.01 RT	405235.3798	422006.3550	REBAR
1059	454+56.65	50.02 RT	405319.9753	422057.9048	REBAR
819	455+55.72	50.07 RT	405404.5596	422109.4864	REBAR

Survey Control Legend

- Govt. Control Station
- Primary Monument
- Secondary Monument
- CP — Survey Control Point
- BM — Benchmark
- TBM — Temporary Benchmark



NOTE:

Refer to Sheet A3 for Notes, Certificates, and Control Information.

SHEET NO.	TOTAL SHEETS
A5	A7
STATE	YEAR
ALASKA	2009

PROJECT DESIGNATION

STP-0558(X)

ADDENDUM NO.

ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION

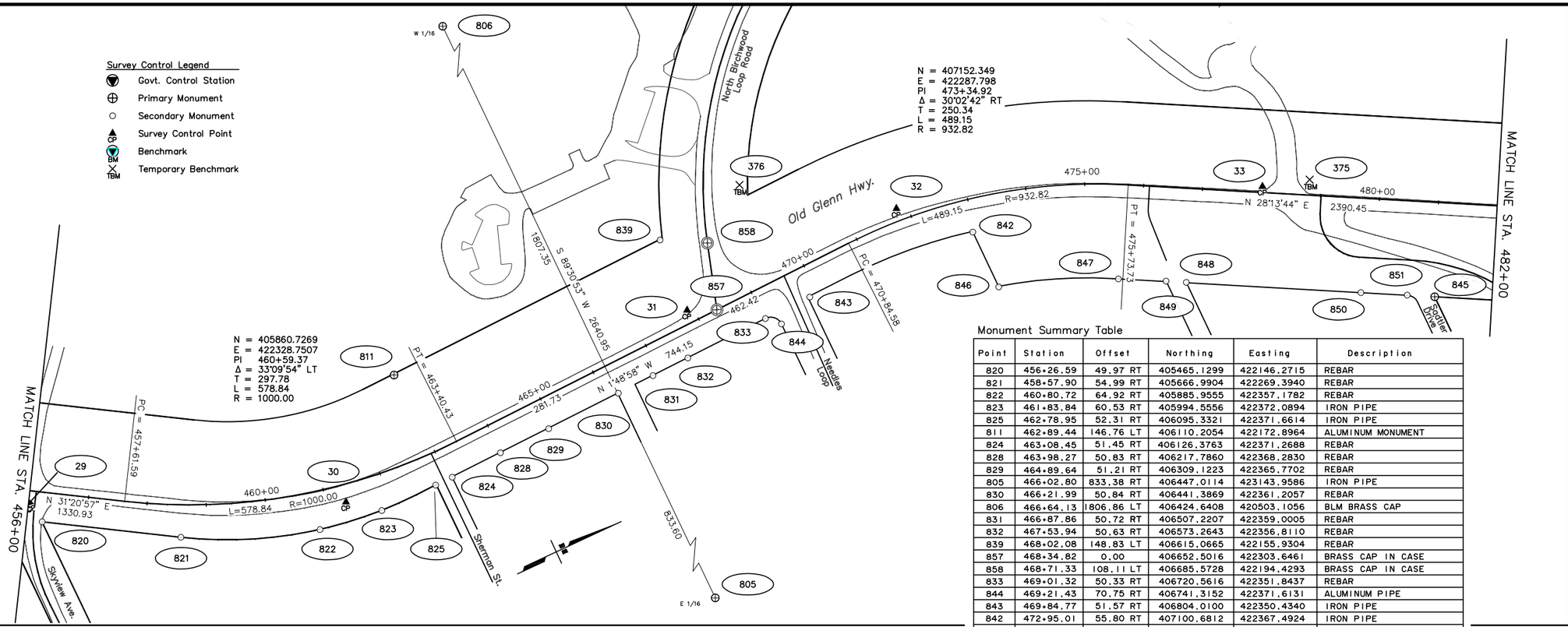
STATE OF ALASKA
49TH
REGISTERED PROFESSIONAL LAND SURVEYOR
DOUGLAS F. POPHAM
LS 10161

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

AMATS: Old Glenn Highway
S. Birchwood Loop to
Peters Creek

Survey Control Sheet

DESIGNED BY
DRAFTED BY
CHECKED BY
VIEW=
SPECIFICATIONS
SCALE
COMPUTER DESIGNATION

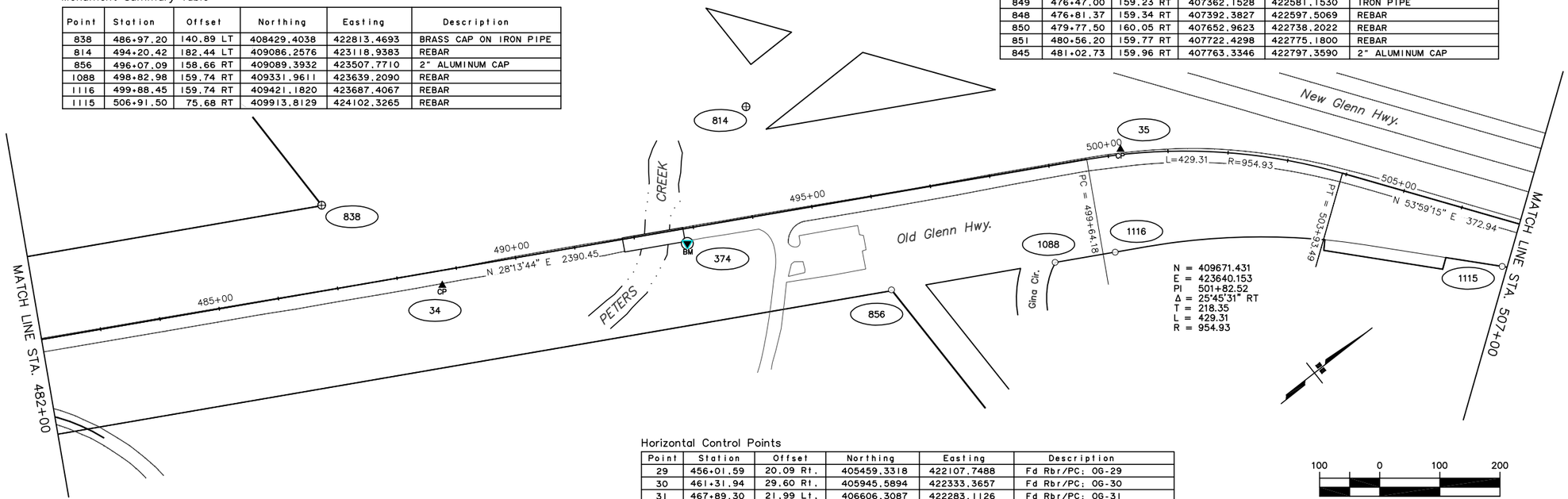


Monument Summary Table

Point	Station	Offset	Northing	Easting	Description
820	456+26.59	49.97 RT	405465.1299	422146.2715	REBAR
821	458+57.90	54.99 RT	405666.9904	422269.3940	REBAR
822	460+80.72	64.92 RT	405885.9555	422357.1782	REBAR
823	461+83.84	60.53 RT	405994.5556	422372.0894	IRON PIPE
825	462+78.95	52.31 RT	406095.3321	422371.6614	IRON PIPE
811	462+89.44	146.76 LT	406110.2054	422172.8964	ALUMINUM MONUMENT
824	463+08.45	51.45 RT	406126.3763	422371.2688	REBAR
828	463+98.27	50.83 RT	406217.7860	422368.2830	REBAR
829	464+89.64	51.21 RT	406309.1223	422365.7702	REBAR
805	466+02.80	833.38 RT	406447.0114	423143.9586	IRON PIPE
830	466+21.99	50.84 RT	406441.3869	422361.2057	REBAR
806	466+64.13	1806.86 LT	406424.6408	420503.1056	BLM BRASS CAP
831	466+87.86	50.72 RT	406507.2207	422359.0005	REBAR
832	467+53.94	50.63 RT	406573.2643	422356.8110	REBAR
839	468+02.08	148.83 LT	406615.0665	422155.9304	REBAR
857	468+34.82	0.00	406652.5016	422303.6461	BRASS CAP IN CASE
858	468+71.33	108.11 LT	406685.5728	422194.4293	BRASS CAP IN CASE
833	469+01.32	50.33 RT	406720.5616	422351.8437	REBAR
844	469+21.43	70.75 RT	406741.3152	422371.6131	ALUMINUM PIPE
843	469+84.77	51.57 RT	406804.0100	422350.4340	IRON PIPE
842	472+95.01	55.80 RT	407100.6812	422367.4924	IRON PIPE
846	473+19.48	156.32 RT	407101.2480	422470.3173	IRON PIPE
847	475+64.76	159.96 RT	407290.6889	422543.6633	IRON PIPE
849	476+47.00	159.23 RT	407362.1528	422581.1530	IRON PIPE
848	476+81.37	159.34 RT	407392.3827	422597.5069	REBAR
850	479+77.50	160.05 RT	407652.9623	422738.2022	REBAR
851	480+56.20	159.77 RT	407722.4298	422775.1800	REBAR
845	481+02.73	159.96 RT	407763.3346	422797.3590	2" ALUMINUM CAP

Monument Summary Table

Point	Station	Offset	Northing	Easting	Description
838	486+97.20	140.89 LT	408429.4038	422813.4693	BRASS CAP ON IRON PIPE
814	494+20.42	182.44 LT	409086.2576	423118.9383	REBAR
856	496+07.09	158.66 RT	409089.3932	423507.7710	2" ALUMINUM CAP
1088	498+82.98	159.74 RT	409331.9611	423639.2090	REBAR
1116	499+88.45	159.74 RT	409421.1820	423687.4067	REBAR
1115	506+91.50	75.68 RT	409913.8129	424102.3265	REBAR



Vertical Control Points

Point	Station	Offset	Northing	Easting	Elevation	Description
376	469+64	171 Lt.	406776	422128	397.22	TBM-76 North Bolt Top Rim
375	478+80	26 Lt.	407655	422528	367.03	TBM-75 South Bolt Base Luminair
374	492+86	25 Rt.	408869	423238	287.46	BM R-83; USC&GS Brass Cap in Concrete

Horizontal Control Points

Point	Station	Offset	Northing	Easting	Description
29	456+01.59	20.09 Rt.	405459.3318	422107.7488	Fd Rbr/PC; OG-29
30	461+31.94	29.60 Rt.	405945.5894	422333.3657	Fd Rbr/PC; OG-30
31	467+89.30	21.99 Lt.	406606.3087	422283.1126	Fd Rbr/PC; OG-31
857	468+34.82	0.00	406652.5016	422303.6461	Brass Cap in Case
858	468+71.33	108.11 Lt.	406685.5728	422194.4293	Brass Cap in Case
32	471+81.37	20.92 Lt.	407000.3673	422276.8153	Fd Rbr/PC; OG-32
33	478+00.94	10.23 Lt.	407577.9367	422504.6667	Fd Rbr/PC; OG-33
34	488+72.25	24.35 Rt.	408505.4755	423041.8490	Fd Rbr/PC; OG-34
35	500+21.70	8.76 Lt.	409533.4898	423558.1414	Fd Rbr/PC; OG-35

100 0 100 200
U.S. SURVEY FEET

NOTE:

Refer to Sheet A3 for Notes, Certificates, and Control Information.

SHEET NO.	TOTAL SHEETS
A6	A7
STATE	YEAR
ALASKA	2008

PROJECT DESIGNATION
STP-0558(2)

ADDENDUM NO.

ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION

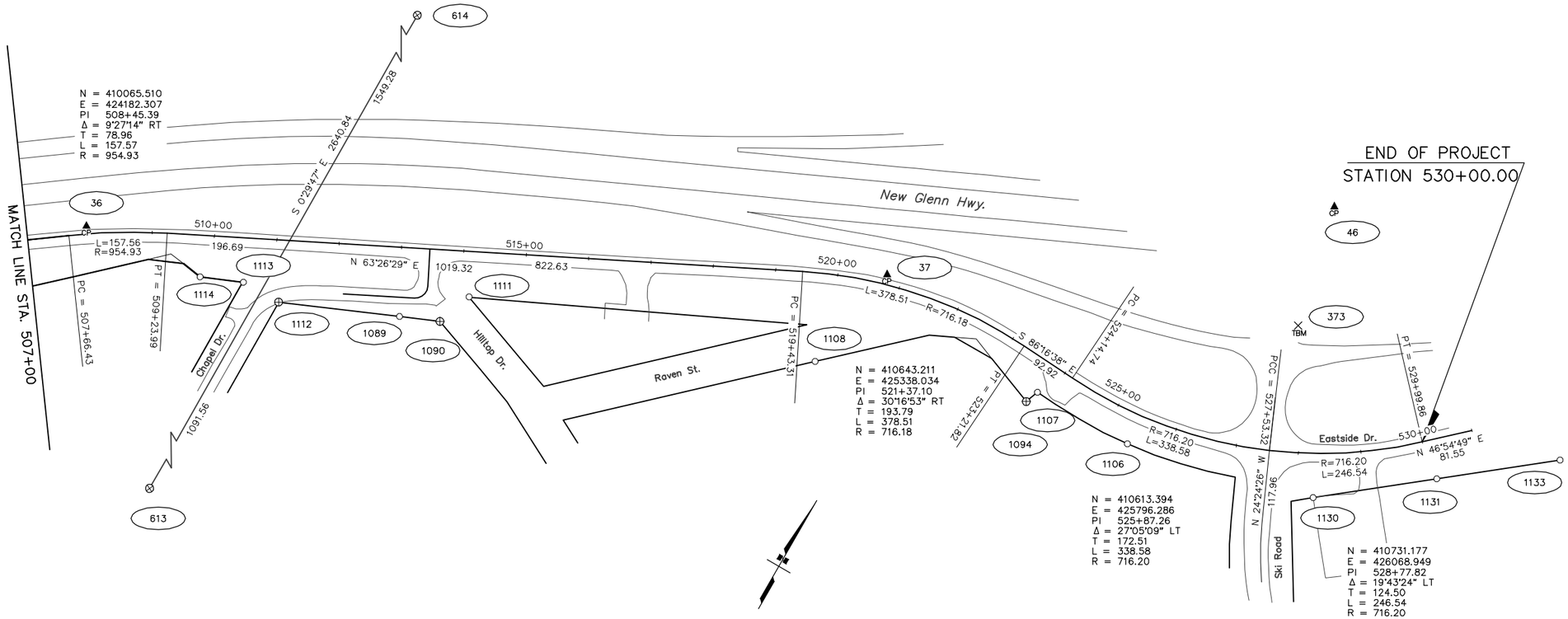
STATE OF ALASKA
49TH
DOUGLAS F. POPHAM
LS 10161
REGISTERED PROFESSIONAL LAND SURVEYOR

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

Old Glenn Highway
Phase 2

Survey Control Sheet

DESIGNED BY
CHECKED BY
DRAWN BY
VSE=
SPECIFICATIONS
SCALE
COMPUTER DESIGNATION



100 0 100 200

U.S. SURVEY FEET

Horizontal Control Points

Point	Station	Offset	Northing	Easting	Description
36	507+95.77	12.55 Lt.	410046.3404	424135.3639	Fd Rbr/PC: OG-36
37	520+76.20	15.79 Lt.	410619.8328	425284.0417	Fd Rbr/PC: OG-37
46	528+84.17	394.36 Lt.	411071.9367	425849.8261	2" Al Cap on Rebar OPSPGL

Vertical Control Points

Point	Station	Offset	Northing	Easting	Elevation	Description
373	527+85	204 Lt.	410878	425895	362.90	TBM-73; South Bolt Base Luminaire

Monument Summary Table

Point	Station	Offset	Northing	Easting	Description
613	504+83.17	933.76 RT	409097.2377	424438.3283	REBAR w/ ALUMINUM CAP
1114	509+80.64	66.40 RT	410066.7486	424333.2979	REBAR
1113	510+50.34	71.13 RT	410093.6841	424397.7510	IRON PIPE
1112	511+08.74	99.21 RT	410094.6792	424462.5466	ALUMINUM MONUMENT
1089	513+03.55	110.80 RT	410171.4097	424641.9823	REBAR
1090	513+68.34	114.62 RT	410196.9639	424701.6488	ALUMINUM MONUMENT
1111	514+12.52	72.69 RT	410254.2228	424722.4086	BENT REBAR
614	518+01.35	1391.75 LT	411737.9769	424415.4445	ALUMINUM MONUMENT
1108	519+79.00	141.85 RT	410441.8408	425254.0245	IRON ROD
1094	523+73.74	72.19 RT	410555.2158	425578.5324	ALUMINUM MONUMENT
1107	523+80.83	49.85 RT	410577.0557	425587.0587	REBAR
1106	525+38.18	50.00 RT	410577.4958	425752.7479	REBAR
1130	528+24.98	70.81 RT	410651.5921	426053.3410	REBAR
1131	530+08.82	62.98 RT	410776.3480	426209.4430	REBAR
1133	532+08.23×	78.38 RTx	410901.3150	426365.5914	REBAR

× Beyond end of project

NOTE:

Refer to Sheet A3 for Notes, Certificates, and Control Information.

SHEET NO.	TOTAL SHEETS
A7	A7
STATE	YEAR
ALASKA	2009

PROJECT DESIGNATION

STP-0558(X)

ADDENDUM NO.

ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION

STATE OF ALASKA
49TH
REGISTERED PROFESSIONAL LAND SURVEYOR
DOUGLAS F. POPHAM
LS 10161

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

AMATS: Old Glenn Highway
S. Birchwood Loop to
Peters Creek

Survey Control Sheet

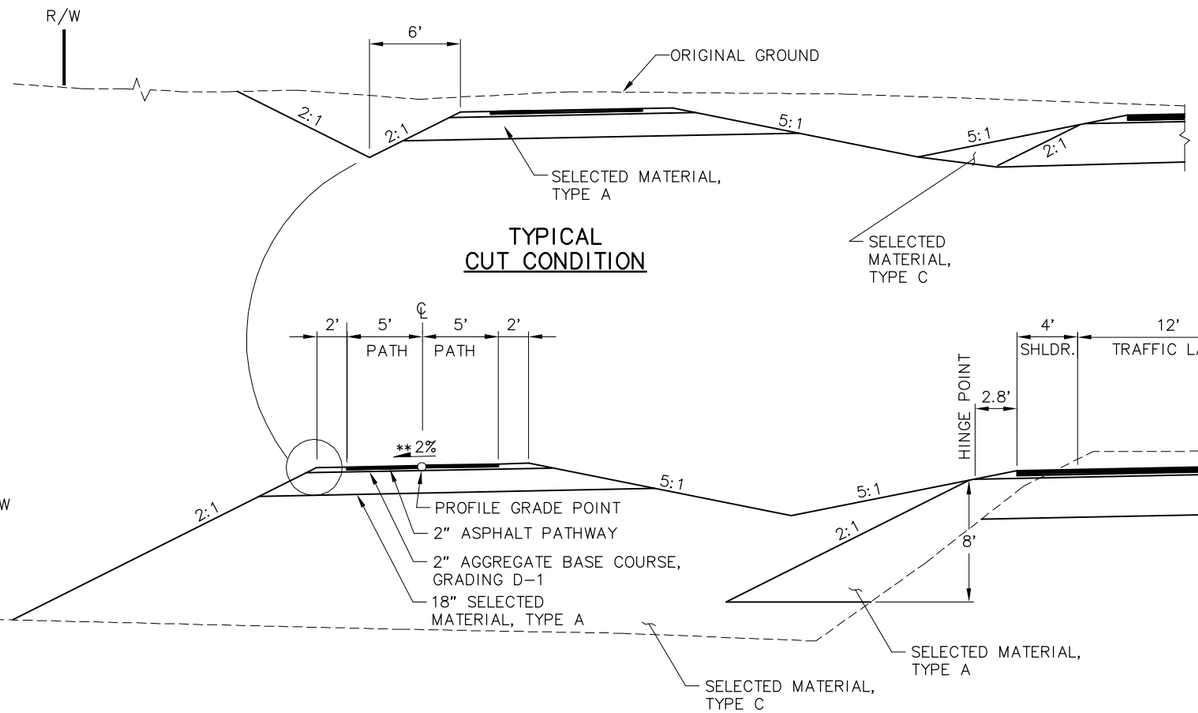
DESIGNED BY
DRAWN BY
CHECKED BY
VIEW=

SPECIFICATIONS
SCALE
COMPUTER DESIGNATION

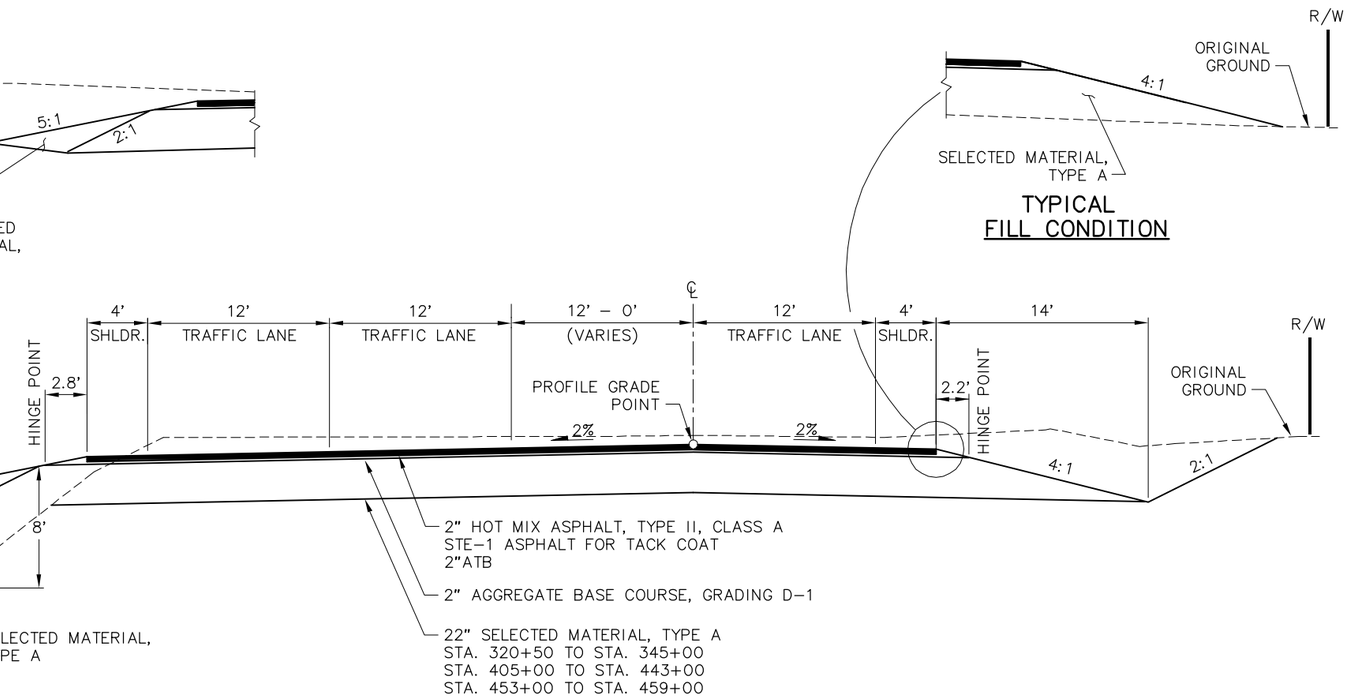
REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	STP-0558(X)/50946	2009	B1	B6

GENERAL NOTES

1. ALL PAVEMENT CUTS SHALL BE SAWCUT.
2. THE CONTRACTOR SHALL PLACE 4" OF TOPSOIL AND SEEDING ON ALL DISTURBED SLOPES AND SEED ALL DISTURBED AREAS.
3. ALL SLOPES REFER TO RATIO OF HORIZONTAL TO VERTICAL (H:V).
4. CLEARING AND LIMITS SHALL TYPICALLY BE 10 FEET BEYOND CUT/FILL LIMITS BUT SHALL BE DETERMINED IN THE FIELD PER SPECIFICATION SUBSECTION 201-3.01. GRUBBING LIMITS SHALL TYPICALLY EXTEND TO CUT/FILL LIMITS.
5. USE A 10:1 SLOPE TO LONGITUDINAL TRANSITION BETWEEN DIFFERENT SELECTED MATERIAL, TYPE A DEPTHS.
6. GUARDRAIL INSTALLATION SHOWN ON TYPICAL SECTIONS BY STATION RANGE IS APPROXIMATE. SEE GUARDRAIL SUMMARY TABLE ON SUMMARY SHEETS FOR ACTUAL INSTALLATION LIMITS. WHERE GUARDRAIL IS LOCATED IN SUMMARY TABLES BUT NOT ON TYPICAL SECTIONS, EXTEND GRAVEL SHOULDER 3.5 FEET BEYOND FACE OF GUARDRAIL.
7. USE AGGREGATE BASE COURSE MATERIAL FOR LEVELING SHOULDERS OR FORESLOPES AT THE EDGE OF PAVEMENT LIFTS.
8. PROFILE GRADE POINT IS ALSO POINT OF ROTATION FOR SUPER ELEVATION ON ALL TYPICAL SECTIONS.
9. SEE G SHEETS FOR PATH ALIGNMENT AND PROFILE.



TYPICAL
CUT CONDITION



TYPICAL
FILL CONDITION

*SEE M SHEETS FOR GABION WALL TYPICAL SECTION FROM STA. 427+29.80 TO STA. 430+98.

**SLOPE 2% TO RIGHT FROM STA. 427+00 TO STA. 431+25.

OLD GLENN HIGHWAY
STA. 314+70 TO STA. 345+00
STA. 405+00 TO STA. 470+00

PLANS DEVELOPED BY
CRW ENGINEERING GROUP

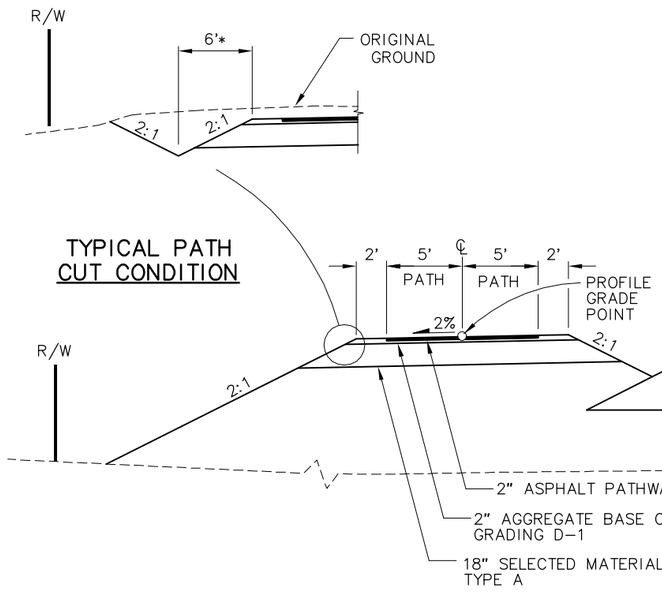
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

AMATS: OLD GLENN HIGHWAY
S. BIRCHWOOD LOOP TO
PETERS CREEK

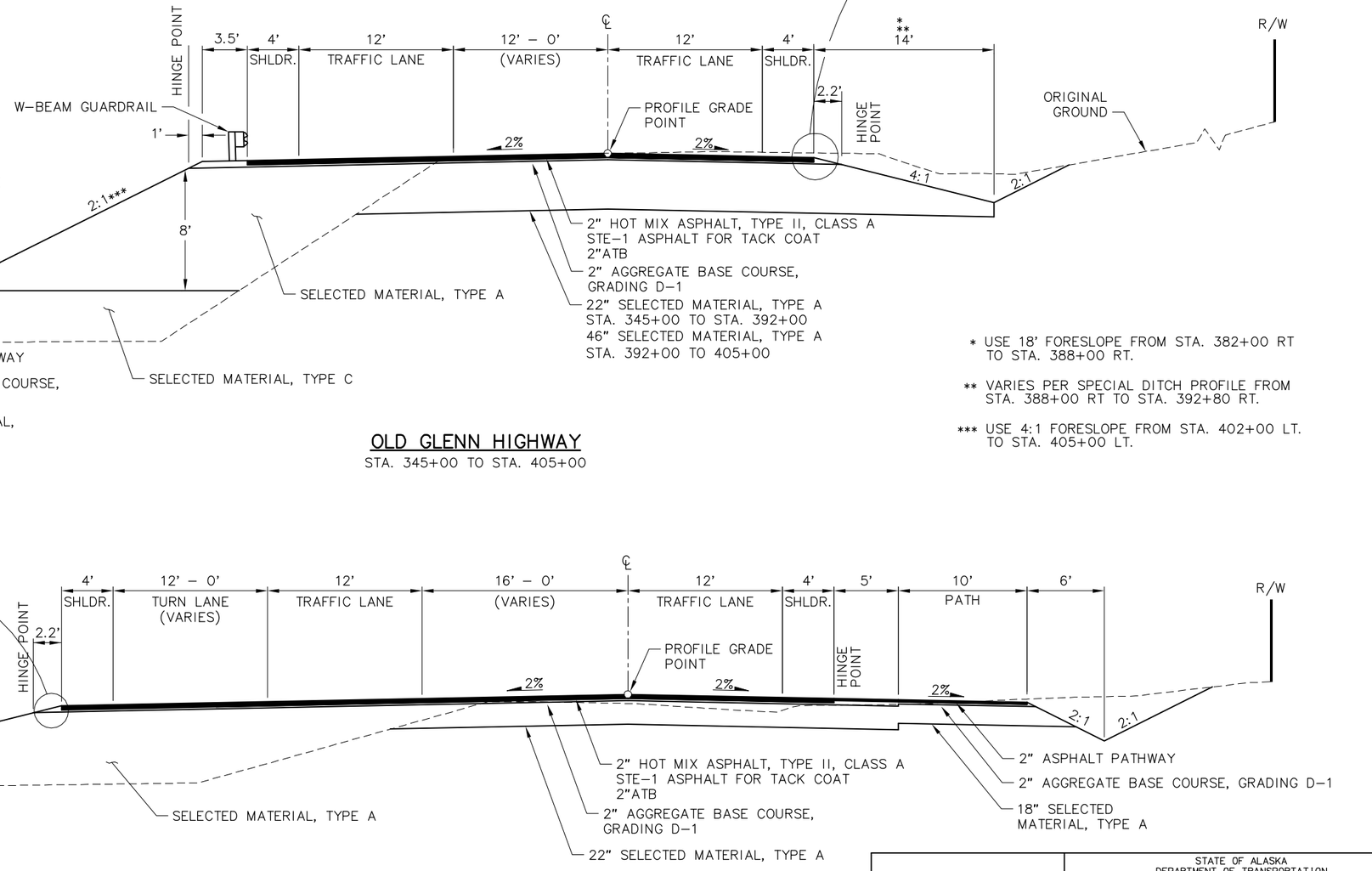
TYPICAL SECTIONS

SPECIFICATIONS
SCALE: 1:1
COMPUTER DESIGNATION: 2008typical.dgn
PLOT SCALE: 1:1
LAYOUT: B1
DESIGNED BY: SMB
CHECKED BY: BCM
DRAFTED BY: NKG
DATE DRAFTED: 07/31/2009

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	STP-0558(X)/50946	2009	B2	B6

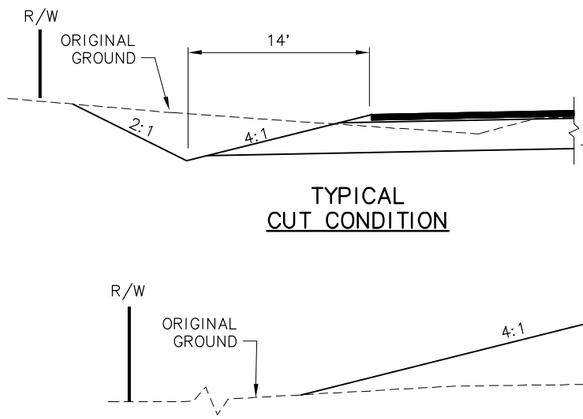


TYPICAL PATH CUT CONDITION

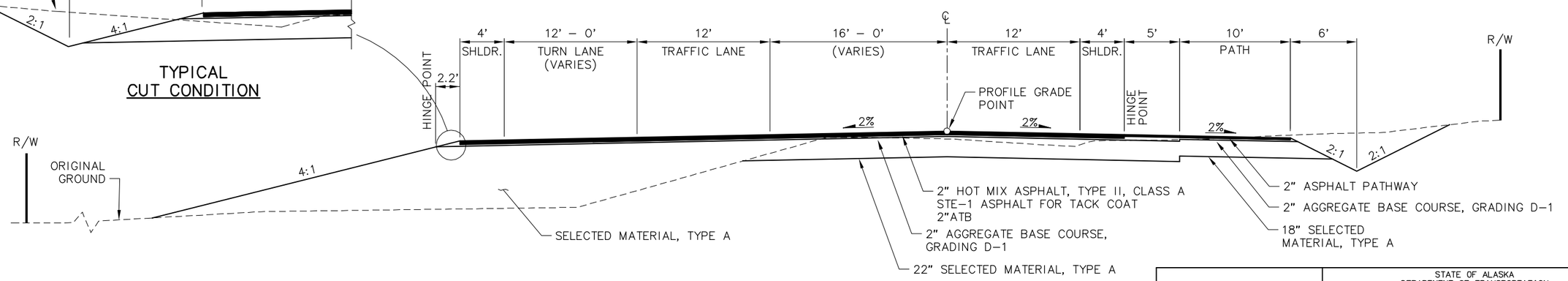


OLD GLENN HIGHWAY

STA. 345+00 TO STA. 405+00



TYPICAL CUT CONDITION



OLD GLENN HIGHWAY

STA. 470+00 TO STA. 487+00

* USE 18' FORESLOPE FROM STA. 382+00 RT TO STA. 388+00 RT.

** VARIES PER SPECIAL DITCH PROFILE FROM STA. 388+00 RT TO STA. 392+80 RT.

*** USE 4:1 FORESLOPE FROM STA. 402+00 LT. TO STA. 405+00 LT.

STATE OF ALASKA
49TH
ANDREA K. MORTON
CE 9002
REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY
CRW ENGINEERING GROUP

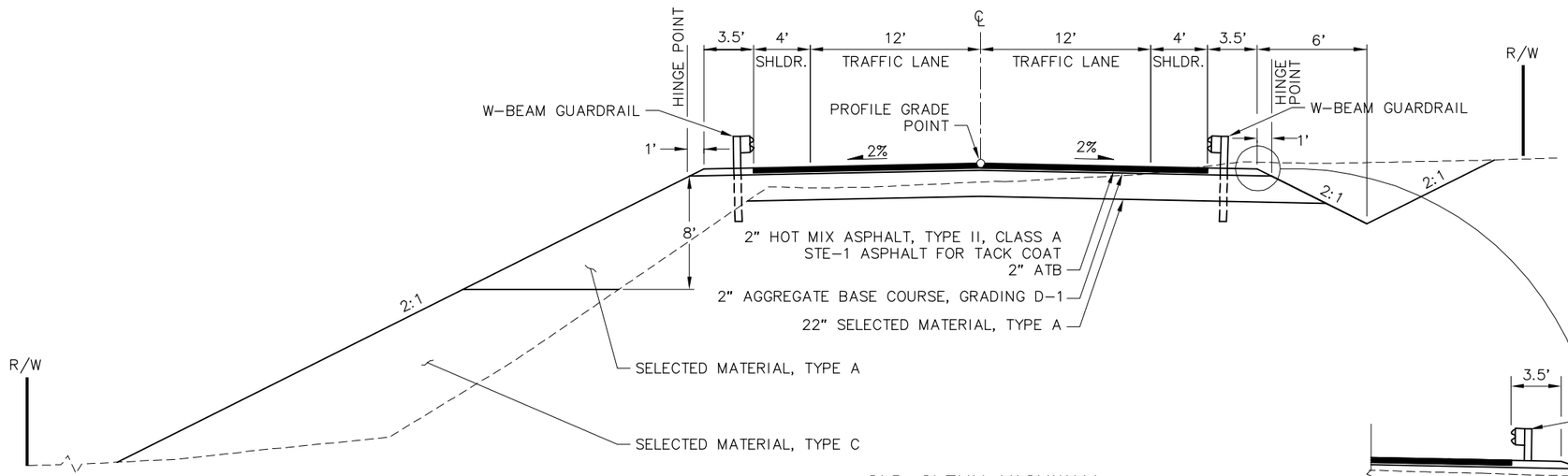
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

AMATS: OLD GLENN HIGHWAY S. BIRCHWOOD LOOP TO PETERS CREEK

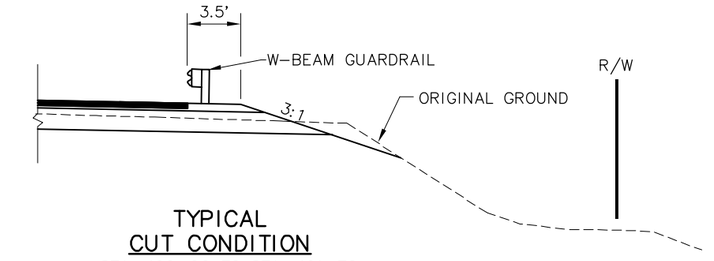
TYPICAL SECTIONS

DESIGNED BY: SMB
CHECKED BY: BCM
DRAFTED BY: NKG
DATE DRAFTED: 07/31/2009
LAYOUT: B2
PLOT SCALE: 1:1
SCALE: 1:1
COMPUTER DESIGNATION: 20085y01b1.dwg
SPECIFICATIONS

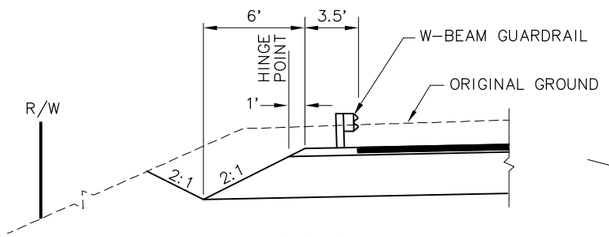
REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION					
			ALASKA	STP-0558(X)/50946	2009	B3	B6



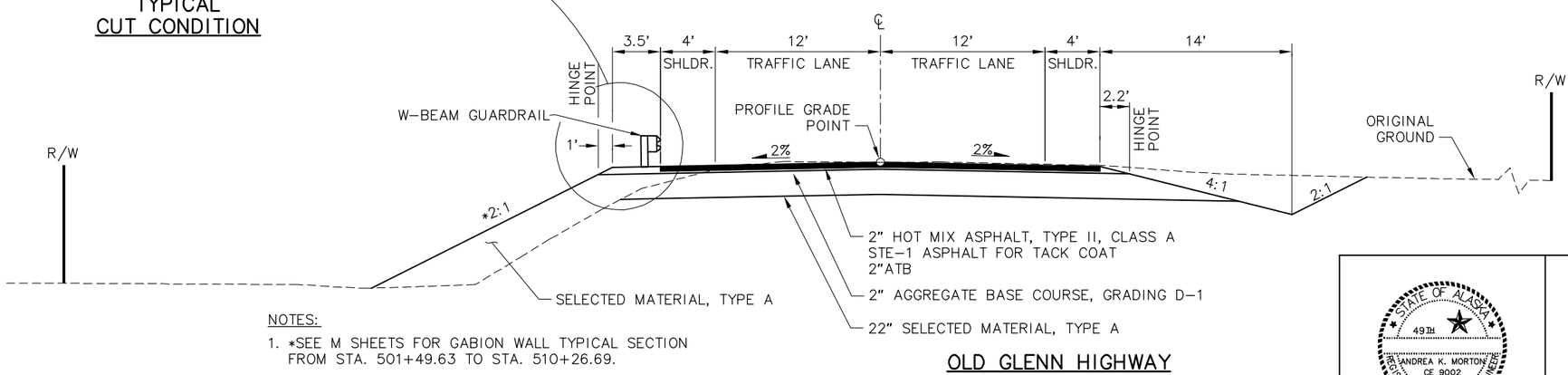
OLD GLENN HIGHWAY
STA. 487+00 TO STA. 491+72
STA. 493+08 TO STA. 494+50



TYPICAL CUT CONDITION
STA. 490+00 TO STA. 491+72



TYPICAL CUT CONDITION



NOTES:

1. *SEE M SHEETS FOR GABION WALL TYPICAL SECTION FROM STA. 501+49.63 TO STA. 510+26.69.

OLD GLENN HIGHWAY
STA. 494+50 TO STA. 497+00

PLANS DEVELOPED BY
CRW ENGINEERING GROUP

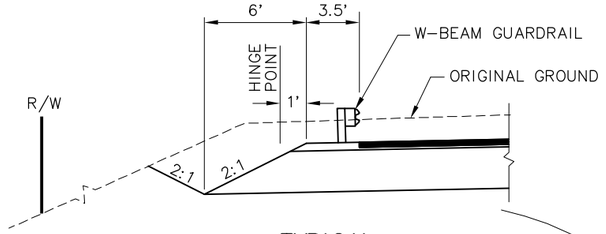
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

AMATS: OLD GLENN HIGHWAY S. BIRCHWOOD LOOP TO PETERS CREEK

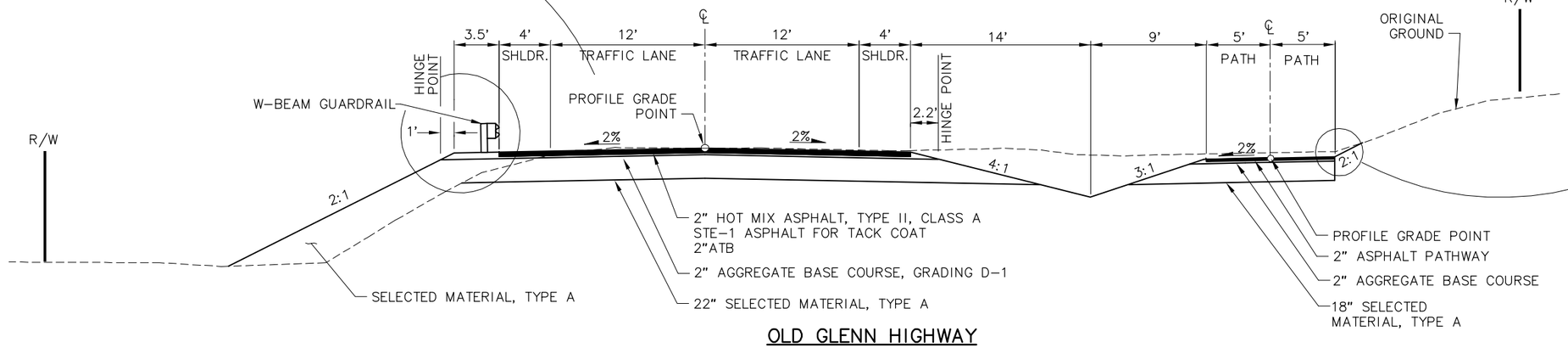
TYPICAL SECTIONS

SPECIFICATIONS
SCALE: 1:1
COMPUTER DESIGNATION
PLOT SCALE: 1:1
2008Alyptical.dwg
LAYOUT: B3
DESIGNED BY SMB
CHECKED BY BCM
DRAFTED BY NKG
DATE DRAFTED: 07/31/2009

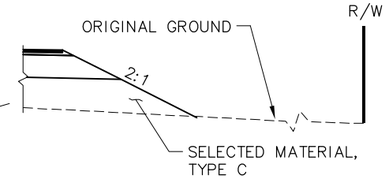
REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	STP-0558(X)/50946	2009	B4	B6



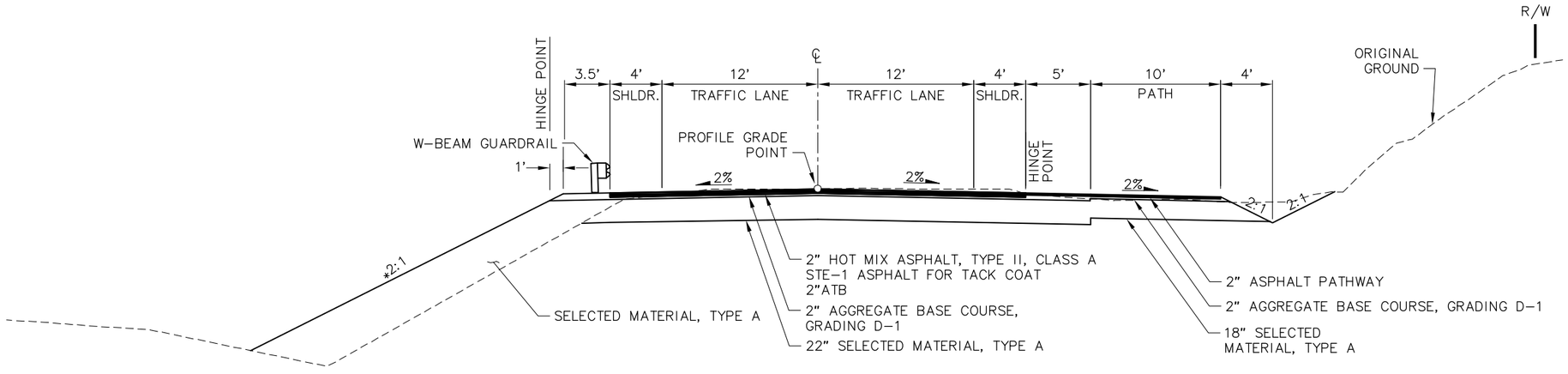
TYPICAL
CUT CONDITION



OLD GLENN HIGHWAY
STA. 497+00 TO STA. 499+00



TYPICAL
FILL CONDITION



OLD GLENN HIGHWAY
STA. 499+00 TO STA. 514+00

*SEE M SHEETS FOR GABION WALL TYPICAL SECTION
FROM STA. 501+49.63 TO STA. 510+26.69.

PLANS DEVELOPED BY
CRW ENGINEERING GROUP

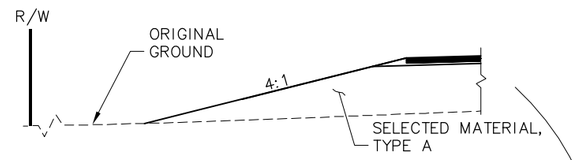
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

AMATS: OLD GLENN HIGHWAY S. BIRCHWOOD LOOP TO PETERS CREEK

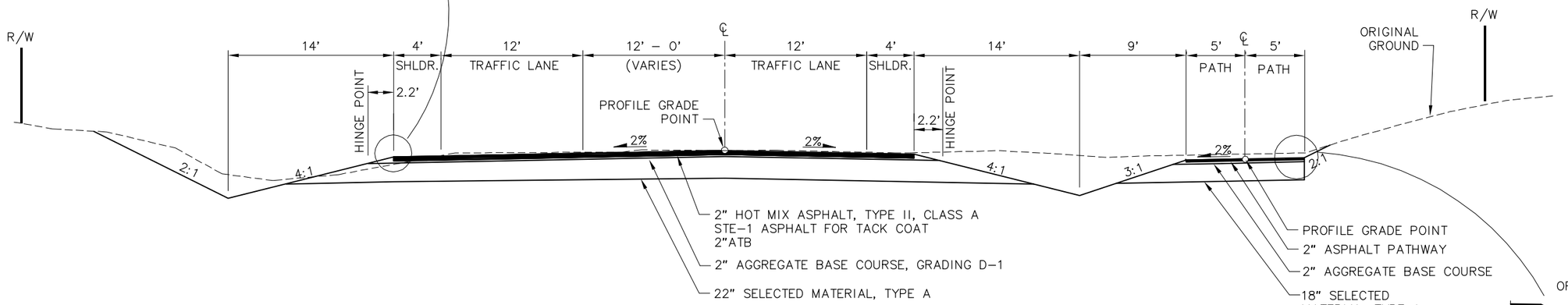
TYPICAL SECTIONS

SPECIFICATIONS
SCALE: 1:1
COMPUTER DESIGNATION: 2008S1p01s1.dwg
PLOT SCALE: 1:1
LAYOUT: B4
DESIGNED BY: SMB
CHECKED BY: BCW
DRAFTED BY: NKG
DATE DRAFTED: 07/31/2009

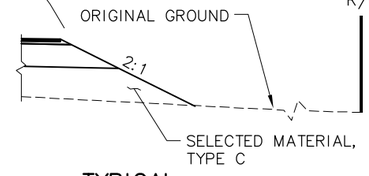
REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	STP-0558(X)/50946	2009	B5	B6



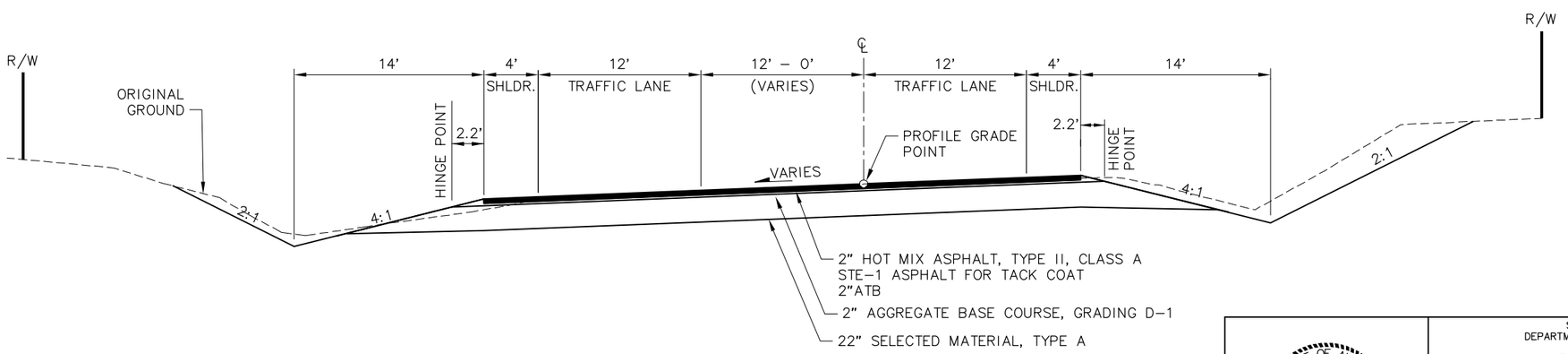
TYPICAL
FILL CONDITION



OLD GLENN HIGHWAY
STA. 514+00 TO STA. 527+50



TYPICAL
FILL CONDITION



OLD GLENN HIGHWAY
STA. 527+50 TO STA. 530+00

PLANS DEVELOPED BY
CRW ENGINEERING GROUP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

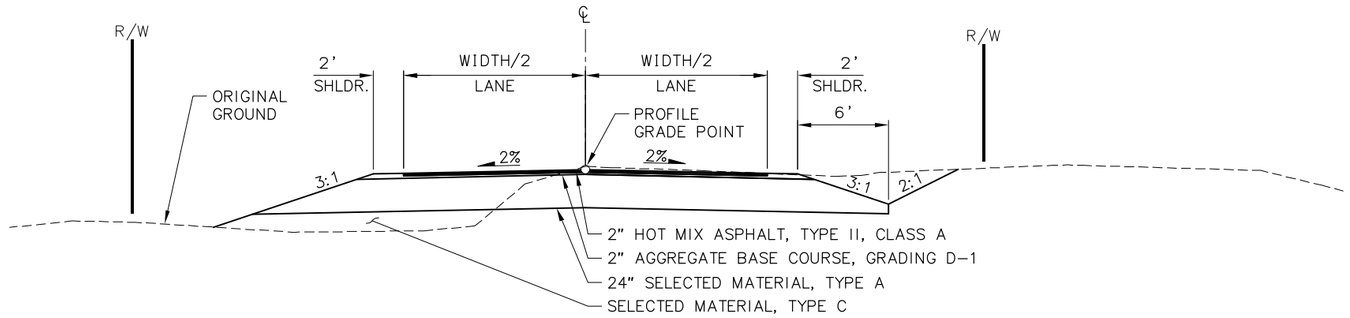
AMATS: OLD GLENN HIGHWAY S. BIRCHWOOD LOOP TO PETERS CREEK

TYPICAL SECTIONS

SPECIFICATIONS
SCALE: 1:1
COMPUTER DESIGNATION: 2008Typical.dwg
PLOT SCALE: 1:1
LAYOUT: B5
DESIGNED BY: SMB
CHECKED BY: BCW
DRAFTED BY: NKG
DATE DRAFTED: 07/31/2009

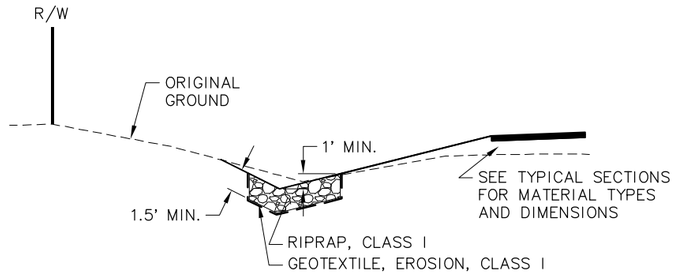
REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION					
			ALASKA	STP-0558(X)/50946	2009	B6	B6

DESIGNED BY SMB
CHECKED BY BJW
DRAWN BY NKG
DATE DRAFTED: 07/31/2009
PLOT SCALE: 1:1
SCALE: 1:1
COMPUTER DESIGNATION: 20080397FIG01.DWG
LAYOUT: B6
SPECIFICATIONS



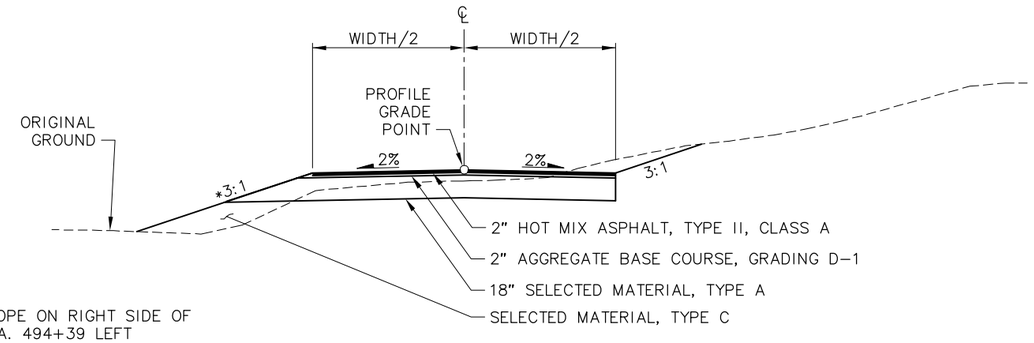
NAMED APPROACH

BEYOND RADIUS RETURN



OLD GLENN HIGHWAY DITCH PROTECTION

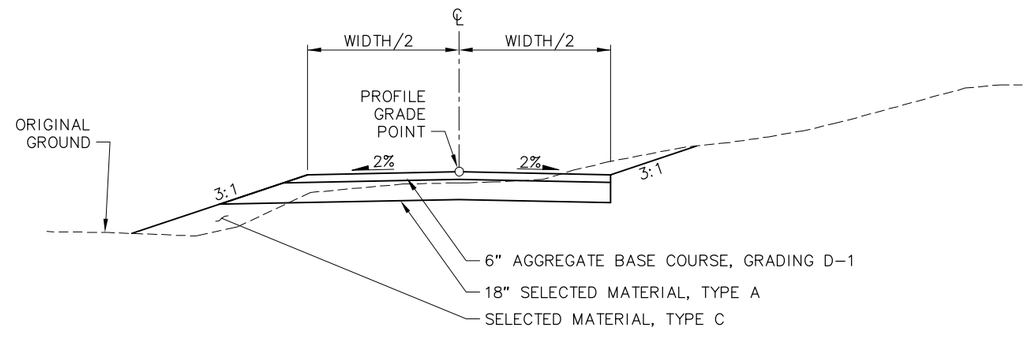
NOTE: SEE TYPICAL SECTIONS FOR DITCH GEOMETRY



*USE 2:1 FILL SLOPE ON RIGHT SIDE OF APPROACH AT STA. 494+39 LEFT

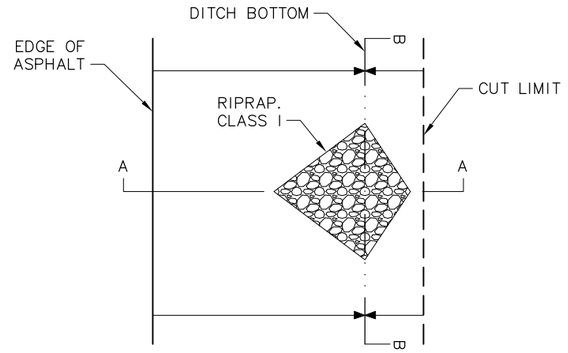
UNNAMED PAVED APPROACH

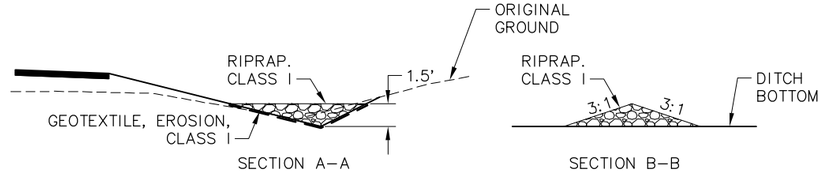
BEYOND RADIUS RETURN



UNNAMED GRAVEL APPROACH

BEYOND RADIUS RETURN





OLD GLENN HIGHWAY CHECK DAM

NOTE: SEE TYPICAL SECTIONS FOR DITCH GEOMETRY

STATE OF ALASKA
49TH
ANDREA K. MORTON
CE 9002
REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY
CRW ENGINEERING GROUP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

AMATS: OLD GLENN HIGHWAY S. BIRCHWOOD LOOP TO PETERS CREEK

TYPICAL SECTIONS

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION					
			ALASKA	STP-0558(X)/50946	2009	C1	C2

ESTIMATE OF QUANTITIES

ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL
201(3A)	CLEARING AND GRUBBING	ACRE	45
202(1)	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	L.S.	ALL REQUIRED
202(2)	REMOVAL OF PAVEMENT	SQ. YD.	69357
202(4)	REMOVAL OF CULVERT PIPE	LF	3496
202(6)	REMOVAL OF MANHOLE	EACH	1
202(10)	SINGLE MAIL BOX INSTALLATION	EACH	3
202(11)	MULTIPLE MAIL BOX INSTALLATION	EACH	14
202(16)	REMOVAL OF GAS PIPE	LF	21614
202(23)	GROUND WATER WELL ABANDONMENT	EACH	4
203(3)	UNCLASSIFIED EXCAVATION	CU. YD.	152313
203(6A)	BORROW, TYPE A	TON	307239
203(9D)	OBLITERATION OF ROADWAY	SQ. YD.	907
205(3)	STRUCTURAL FILL	CU. YD.	1070
301(1)	AGGREGATE BASE COURSE, GRADING D-1	TON	20510
306(1)	ATB	TON	9930
401(1)	HOT MIX ASPHALT, TYPE II, CLASS A	TON	12130
401(2)	ASPHALT CEMENT, GRADE PG 52-28	TON	720
401(6)	ASPHALT PRICE ADJUSTMENT - QUALITY	C.S.	ALL REQUIRED
401(10)	ASPHALT PRICE ADJUSTMENT - UNIT PRICE	C.S.	ALL REQUIRED
501(1)	CLASS A CONCRETE	L.S.	ALL REQUIRED
501(2)	CLASS A-A CONCRETE	L.S.	ALL REQUIRED
501(8)	PRECAST CONCRETE MEMBER (134' DECKED BULB-TEE)	EACH	6
503(1)	REINFORCING STEEL	L.S.	ALL REQUIRED
503(2)	EPOXY COATED REINFORCING STEEL	L.S.	ALL REQUIRED
505(5)	FURNISH STRUCTURAL STEEL PILES - (HP14X117)	LF	918
505(6)	DRIVE STRUCTURAL STEEL PILES - (HP14X117)	LF	120
505(12)	PRE BORE	EACH	12
507(4)	CONCRETE BRIDGE RAILING	LF	352
508(1)	WATERPROOFING MEMBRANE	L.S.	ALL REQUIRED
603(17-18)	18 INCH PIPE	LF	316
603(17-24)	24 INCH PIPE	LF	5134
603(17-36)	36 INCH PIPE	LF	689
603(20-18)	END SECTION FOR 18 INCH PIPE	EACH	14
603(20-24)	END SECTION FOR 24 INCH PIPE	EACH	222
603(20-36)	END SECTION FOR 36 INCH PIPE	EACH	18
604(1B)	STORM SEWER MANHOLE, TYPE II	EACH	2
605(3-12)	12 INCH PERFORATED PIPE UNDERDRAIN	LF	546
605(5)	POROUS BACKFILL MATERIAL	CU. YD.	160
606(1)	W-BEAM GUARDRAIL	LF	9025
606(6)	REMOVING AND DISPOSING OF GUARDRAIL	LF	6701
606(9)	CONTROLLED RELEASE TERMINAL	EACH	7
606(11)	EXTRUDER TERMINAL (ET-2000)	EACH	7
606(12)	GUARDRAIL/BRIDGE RAIL CONNECTION	EACH	4
607(4)	RECONSTRUCTED FENCE	LF	578

ESTIMATE OF QUANTITIES

ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL
608(7)	ASPHALT PATHWAY	TON	2730
608(10)	DETECTABLE WARNING TILES	SQ. FT.	727
611(1A)	RIPRAP, CLASS I	CU. YD.	1038
611(1B)	RIPRAP, CLASS II	CU. YD.	1685
611(1C)	RIPRAP, CLASS III	CU. YD.	31
615(1)	STANDARD SIGN	SQ. FT.	1094
616(4)	THAW WIRE INSTALLATION	EACH	1
618(2)	SEEDING	LB	1850
618(3)	WATER FOR SEEDING	M. GAL	2280
620(1)	TOPSOIL	SQ. YD.	143090
631(1)	GEOTEXTILE, DRAINAGE, CLASS II	SQ. YD.	680
631(2)	GEOTEXTILE, EROSION, CLASS I	SQ. YD.	4829
636(1)	GABION	CU. YD.	2834
639(6)	APPROACH	EACH	95
640(1)	MOBILIZATION AND DEMOBILIZATION	L.S.	ALL REQUIRED
641(1)	EROSION, SEDIMENT AND POLLUTION CONTROL ADMINISTRATION	L.S.	ALL REQUIRED
641(2)	TEMPORARY EROSION, SEDIMENT AND POLLUTION CONTROL	C.S.	ALL REQUIRED
641(5)	EROSION, SEDIMENT AND POLLUTION CONTROL PRICE ADJUSTMENT	C.S.	ALL REQUIRED
642(1)	CONSTRUCTION SURVEYING	L.S.	ALL REQUIRED
642(3)	THREE PERSON SURVEY PARTY	HOUR	130
642(16)	PASSING SIGHT DISTANCE MEASUREMENT	STATION	215
643(2)	TRAFFIC MAINTENANCE	L.S.	ALL REQUIRED
643(3)	PERMANENT CONSTRUCTION SIGNS	L.S.	ALL REQUIRED
643(15)	FLAGGING	C.S.	ALL REQUIRED
643(23)	TRAFFIC PRICE ADJUSTMENT	C.S.	ALL REQUIRED
643(25)	TRAFFIC CONTROL	C.S.	ALL REQUIRED
644(1)	FIELD OFFICE	L.S.	ALL REQUIRED
644(2)	FIELD LABORATORY	L.S.	ALL REQUIRED
645(1)	TRAINING PROGRAM, 6 TRAINEES/APPRENTICES	LABOR HOUR	2795
646(1)	CPM SCHEDULING	L.S.	ALL REQUIRED
647(1)	WIDE PAD DOZER, 65 HP MINIMUM	C.S.	ALL REQUIRED

DESIGNED BY SMB
CHECKED BY BDM
DRAFTED BY MKG
DATE DRAFTED: 07/31/09
SPECIFICATIONS
SCALE: 1:1
PLOT SCALE: 1:1
LAYOUT: C1
COMPUTER DESIGNATION 2008est1insta.dwg

PLANS DEVELOPED BY
CRW ENGINEERING GROUP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

AMATS: OLD GLENN HIGHWAY
S. BIRCHWOOD LOOP TO
PETERS CREEK

ESTIMATE OF QUANTITIES

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	STP-0558(X)/50946	2009	C2	C2

ESTIMATE OF QUANTITIES

ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL
660(2)	FLASHING BEACON SYSTEM COMPLETE	L.S.	ALL REQUIRED
660(3)	HIGHWAY LIGHTING SYSTEM COMPLETE	L.S.	ALL REQUIRED
660(13)	RELOCATE ELECTROLIER	EACH	2
660(14)	TEMPORARY ELECTROLIER	C.S.	ALL REQUIRED
660(26)	SIGNAL SYSTEM TIMING AND ADJUSTMENTS	C.S.	ALL REQUIRED
661(2)	LOAD CENTER, TYPE II	EACH	4
670(1)	PAINTED TRAFFIC MARKINGS	L.S.	ALL REQUIRED
670(10F)	MMA PAVEMENT MARKINGS, TRANSVERSE AND GORE INLAID	LF	120

TABLE OF ESTIMATING FACTORS

ITEM NO.	ITEM	ESTIMATING FACTOR
203(6A)	BORROW, TYPE A	145 LB./C.F.
301(1)	AGGREGATE BASE COURSE	148 LB./C.F.
306(1)	ATB	115 LB./S.Y.-IN.
401(1)	HOT MIX ASPHALT, TYPE II, CLASS B	115 LB./S.Y.-IN.
401(2)	ASPHALT CEMENT, GRADE PG 52-28	5.5% OF TOTAL WEIGHT OF 401(1)
608(7)	ASPHALT PATHWAY	115 LB./S.Y.-IN.
611(1A)	RIPRAP, CLASS I	108 LB./C.F.
611(1B)	RIPRAP, CLASS II	108 LB./C.F.
611(1C)	RIPRAP, CLASS III	108 LB./C.F.

DESIGNED BY	SMB
CHECKED BY	BDM
DRAFTED BY	MKG
DATE DRAFTED:	07/31/09
SPECIFICATIONS	
SCALE:	1:1
COMPUTER DESIGNATION	2008estimate.dwg
PLOT SCALE:	1:1
LAYOUT:	C2

STATE OF ALASKA
49TH
Shane M. Blanchard
CE 11519
REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY
CRW ENGINEERING GROUP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

AMATS: OLD GLENN HIGHWAY
S. BIRCHWOOD LOOP TO
PETERS CREEK

ESTIMATE OF QUANTITIES

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	STP-0558(X)/50946	2009	D1	D11

EARTHWORK SUMMARY

SHEET	STATION TO STATION	UNCLASSIFIED EXCAVATION (CY)	SELECTED MATERIAL, TYPE A (CY)	SELECTED MATERIAL, TYPE C (CY)
F1	314+70 TO 322+50	9,972	7,335	724
F2	322+50 TO 335+00	6,898	8,062	14,087
F3	335+00 TO 347+50	9,321	7,103	3,603
F4	347+50 TO 360+00	8,099	10,409	9,747
F5	360+00 TO 371+50	11,762	12,302	20,915
F6	371+50 TO 383+00	1,289	9,591	11,387
F7	383+00 TO 395+50	4,870	11,006	10,565
F8	395+50 TO 408+00	8,599	11,784	6,758
F9	408+00 TO 420+50	9,840	7,290	704
F10	420+50 TO 433+00	12,797	6,574	3,333
F11	433+00 TO 445+50	6,266	7,487	2,981
F12	445+50 TO 458+00	9,711	9,624	1,491
F13	458+00 TO 470+50	4,325	10,799	5,400
F14	470+50 TO 482+00	9,611	10,304	613
F15	482+00 TO 493+50	16,912	6,294	11,729
F16	493+50 TO 505+00	8,799	7,527	5,871
F17	505+00 TO 517+50	5,642	6,910	1,008
F18	517+50 TO 530+00	7,600	6,554	356
	SUBTOTAL:	152,313	156,955	111,274
	LESS ESTIMATED USABLE SHRUNK MATERIAL FROM EXCAVATION:			129,466
	TOTAL:	152,313 CY	156,955 CY	−18,191 CY
	PAY ITEM QUANTITY:	152,313 CY	307,239 TON	

THE ESTIMATED SHRINKAGE FACTOR FOR EXCAVATION USABLE AS SELECTED MATERIAL, TYPE C IS 15%.
WASTE = 18,096 CY EXCESS UNCLASSIFIED EXCAVATION PLUS 6,085 CY STRUCTURAL EXCAVATION.

SPECIFICATIONS
SCALE: 1:1
COMPUTER DESIGNATION: 2008summary.dwg
PLOT SCALE: 1:1
LAYOUT: D1
DESIGNED BY: SMB
CHECKED BY: BDM
DRAFTED BY: MKG
DATE DRAFTED: 07/31/09

STATE OF ALASKA
49TH
ANDREA K. MORTON
CE 9002
REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY
CRW ENGINEERING GROUP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

AMATS: OLD GLENN HIGHWAY
S. BIRCHWOOD LOOP TO
PETERS CREEK

SUMMARY TABLES

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	STP-0558(X)/50946	2009	D2	D11

202(1)

REMOVAL OF STRUCTURES AND OBSTRUCTIONS

SHEET	STATION	OFFSET	REMARKS
F13	467+80	LT	REMOVE & RELOCATE PLANTER BOX
F15	492+00	CL	100' STEEL PONY TRUSS

202(2)

REMOVAL OF PAVEMENT

SHEET	STATION TO STATION	OFFSET	AREA (SY)	REMARKS
F1 – F2	314+70 TO 335+00	LT & RT	7272	OGH
F2	323+90 TO 324+65	LT	311	APPROACH
F2	324+27 TO 324+86	RT	179	APPROACH
F3 – F9	335+00 to 420+50	LT & RT	24024	OGH
F9	417+80 TO 418+60	RT	349	APPROACH
F10	420+50 TO 433+00	LT & RT	3584	OGH
F10	422+63 TO 423+60	RT	770	
F11	433+00 TO 445+50	LT & RT	3566	OGH
F11	433+64 TO 434+13	LT	87	APPROACH
F12	445+50 TO 458+00	LT & RT	233	OGH
F12	447+17 TO 448+31	LT	200	APPROACH
F12	453+84 TO 454+29	RT	277	APPROACH
F12	455+62 TO 456+38	LT	276	APPROACH
F12	455+76 TO 456+58	LT	669	APPROACH
F13	458+00 TO 470+50	LT & RT	3525	OGH
F13	467+60 TO 369+59	LT	1103	APPROACH
F13	469+20 TO 470+23	LT	170	PATHWAY
F13	469+29 TO 469+91	RT	225	APPROACH
F13	469+82 TO 470+50	RT	75	PATHWAY
F14	470+50 TO 482+00	LT & RT	3223	OGH
F14	470+50 TO 475+98	RT	486	PATHWAY
F14	478+02 TO 478+80	LT	279	APPROACH
F14	478+18 TO 479+46	RT	1257	APPROACH
F15	482+00 TO 491+80	LT & RT	2734	OGH
F15	492+83 TO 493+50	LT & RT	189	OGH
F16	493+50 TO 505+00	LT & RT	3259	OGH
F16	494+07 TO 494+81	RT	156	APPROACH
F16	496+30 TO 496+71	LT	455	APPROACH
F17	505+00 TO 517+50	LT & RT	3493	OGH
F17	513+06 TO 513+95	RT	404	APPROACH
F17	513+73 TO 517+50	RT	330	PATH
F17	516+49 TO 517+08	RT	191	APPROACH
F18	517+50 TO 530+00	LT & RT	3795	OGH
F18	517+50 TO 527+00	RT	887	PATHWAY
F18	523+65 TO 524+38	RT	191	APPROACH
F18	526+60 TO 528+22	LT & RT	983	APPROACH
F18	528+82 TO 529+36	RT	152	APPROACH

202(4)

REMOVAL OF CULVERT PIPE

SHEET	STATION	OFFSET	LENGTH (FT)	SIZE (IN)
F2	324+58	RT	68	24
F2	328+73	LT & RT	61	24
F2	329+10	RT	67	24
F2	332+50	RT	86	24
F2	334+74	LT & RT	49	24
F3	337+82	LT & RT	42	24
F3	342+25	LT & RT	47	24
F3	343+05	LT	35	24
F3	344+60	LT & RT	49	24
F3	344+81	LT	43	24
F3	346+42	LT	54	24
F4	349+80	LT & RT	109	24
F4	359+56	LT & RT	62	24
F5	367+92	LT & RT	190	24
F6	377+70	RT	30	24
F6	381+80	RT	84	30
F6	382+78	RT	40	18
F7	386+70	RT	38	18
F7	387+07	LT & RT	56	24
F7	387+30	RT	24	18
F7	389+20	RT	35	10
F8	402+25	LT & RT	54	24
F8	404+55	RT	22	24
F9	418+18	RT	60	24
F9	418+83	LT	30	24
F10	423+40	LT	45	24
F10	424+73	RT	20	24
F10	427+82	RT	34	18
F10	431+02	RT	57	24
F11	433+59	LT & RT	69	24
F11	436+60	RT	47	24
F11	436+83	LT & RT	46	24
F11	439+12	RT	60	24
F11	442+44	LT & RT	112	24
F11	445+44	RT	61	24
F12	447+80	LT	70	24
F12	450+83	RT	37	24
F12	451+50	RT	24	24
F12	452+86	RT	36	24
F12	454+02	RT	47	24
F12	457+75	RT	23	24

202(4)

REMOVAL OF CULVERT PIPE

SHEET	STATION	OFFSET	LENGTH (FT)	SIZE (IN)
F13	460+28	RT	38	24
F13	461+16	RT	63	24
F13	462+93	RT	30	24
F13	464+37	RT	30	24
F13	465+92	RT	29	24
F13	466+53	LT	45	24
F13	466+88	RT	20	24
F13	468+70	RT	30	24
F13	469+60	RT	40	24
F14	470+62	RT	34	24
F14	474+51	RT	24	24
F14	475+10	RT	44	24
F14	476+00	RT	92	24
F16	499+25	RT	143	24
F17	513+37	RT	51	24
F17	513+81	LT	47	24
F17	514+08	LT & RT	60	24
F17	516+80	RT	50	24
F18	522+25	RT	191	24
F18	524+00	RT	65	24
F18	527+52	RT	95	24
F18	529+12	RT	52	18

202(6)

REMOVAL OF EXISTING MANHOLE

SHEET	STATION	OFFSET	REMARKS
F18	522+25	20.2' RT	STORM DRAIN

SPECIFICATIONS
SCALE: 1:1
COMPUTER DESIGNATION: 2009Bsummary.dwg

DESIGNED BY: SMB
CHECKED BY: BCM
DRAFTED BY: NKG

PLOT SCALE: 1:1
LAYOUT: D2
DATE DRAFTED: 07/31/09

STATE OF ALASKA
49TH
Shane M. Blanchard
CE 11519
REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY
CRW ENGINEERING GROUP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

AMATS: OLD GLENN HIGHWAY S. BIRCHWOOD LOOP TO PETERS CREEK

SUMMARY TABLES

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	STP-0558(X)/50946	2009	D3	D11

DESIGNED BY: SMB
CHECKED BY: BCM
DRAFTED BY: MKG
DATE DRAFTED: 07/31/09
PLOT SCALE: 1:1
LAYOUT: D3
SPECIFICATIONS
SCALE: 1:1
COMPUTER DESIGNATION: 2008summary.dwg

202(10)

SINGLE MAIL BOX INSTALLATION

SHEET	OLD MAILBOX LOCATION (STATION)	OFFSET	NEW MAILBOX LOCATION (STATION)	REMARKS
F1	320+19	LT	320+21	
F9	413+57	RT	413+49	
F11	441+80	RT	441+84	

202(11)

MULTIPLE MAIL BOX INSTALLATION

SHEET	OLD MAILBOX LOCATION (STATION)	OFFSET	NUMBER OF EXISTING MAILBOXES TO BE REMOVED	NEW MULTIPLE MAILBOX LOCATION (STATION)	REMARKS
F1	315+37	LT	16	315+16	4 TOTAL
F10	422+83	RT	17	422+95	4 TOTAL
F12	456+77	LT	7	456+61	2 TOTAL
F13	469+99	RT	14	469+40	4 TOTAL

202(16)

REMOVAL OF GAS PIPE

SHEET	STATION TO STATION	OFFSET	LENGTH (FT)	SIZE (IN)	REMARKS
F1 – F2	317+50 TO 325+90	RT	833	4	PLASTIC
F1 – F4	315+30 TO 365+20	LT	4996	6	PLASTIC
F2	324+30	LT & RT	50	3	PLASTIC
F6 – F13	361+80 TO 467+70	LT	8594	6	PLASTIC
F8 – F13	399+95 TO 470+00	RT	7041	4	PLASTIC
F9	418+00	RT	30	2	PLASTIC
F10	426+40	RT	40	4	PLASTIC
F12	456+25	LT	30	2	PLASTIC

202(23)

GROUND WATER WELL ABANDONMENT

SHEET	STATION	OFFSET	REMARKS
F1	317+54	71.2' LT	
F4	351+70	73.7' LT	FIRE STATION
F4	354+50	40.2' RT	MOOSE HORN
F4	354+91	36.9' RT	MOOSE HORN

203(9D)

OBLITERATION OF ROADWAY

SHEET	STATION TO STATION	OFFSET	AREA (SY)	REMARKS
F1	317+06 TO 317+95	RT	113	
F2	332+42 TO 332+67	RT	18	
F3	343+62 TO 343+97	RT	27	
F3	343+88 TO 344+34	RT	57	
F10	422+82 TO 423+20	RT	303	AMONSON DRIVE
F14	473+16 TO 475+77	RT	171	PATHWAY
F14	476+45 TO 478+16	RT	69	PATHWAY
F16	499+75 TO 503+60	RT	149	PATHWAY

STATE OF ALASKA
49TH
Shane M. Blanchard
CE 11519
REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY
CRW ENGINEERING GROUP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

AMATS: OLD GLENN HIGHWAY S. BIRCHWOOD LOOP TO PETERS CREEK

SUMMARY TABLES

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	STP-0558(X)/50946	2009	D4	D11

603(17–18), 603(17–24), 603(17–36), 603(20–18), 603(20–24), 603(20–36)

CULVERT PIPE SUMMARY

SHEET	LENGTH (FT) 18 INCH	24 INCH	36 INCH	END SECTIONS	INLET STATION	INLET OFFSET	INLET ELEVATION	OUTLET STATION	OUTLET OFFSET	OUTLET ELEVATION	SLOPE %	REMARKS
F1		43		2	315+76	61.3 LT	506.59	315+42	33.3 LT	505.89	1.63	
F1		29		2	317+13	30.0' RT	509.25	316+84	30.0' RT	508.46	2.72	
F1		57		2	318+21	31.0' LT	512.92	317+64	31.0' LT	511.65	2.23	
F1		37		2	318+10	30.0' RT	511.56	317+73	30.0' RT	510.74	2.22	
F1	28			2	318+10	66.0' LT	512.61	317+74	66.0' LT	511.78	2.96	
F1		34		2	319+40	30.0' RT	513.75	319+06	30.0' RT	513.29	1.35	
F1		56		2	320+22	30.0' RT	514.36	319+66	30.0' RT	513.96	0.71	
F1		58		2	321+31	30.0' RT	515.14	321+89	30.0' RT	514.84	0.52	
F2		26		2	323+00	38.0' LT	513.26	323+00	64.0' LT	511.73	5.88	
F2		66		2	323+92	31.0' LT	512.49	324+58	31.0' LT	511.74	1.14	
F2		68		2	324+33	35.0' RT	512.35	325+00	38.0' RT	511.64	1.04	
F2			138	2	328+64	42.0' RT	501.44	328+64	96.0' LT	489.66	8.54	
F2		53		2	332+60	30.0' RT	502.92	333+13	30.0' RT	502.36	1.06	
F3		94		2	338+50	24.0 RT	496.40	338+50	70.0' LT	492.94	3.68	
F3		67		2	339+02	30.0' RT	496.11	339+69	30.0' RT	495.40	1.06	
F3		35		2	342+65	31.0' LT	492.79	343+00	31.0' LT	492.42	1.06	
F3		60		2	343+38	30.0' RT	491.47	343+98	30.0' RT	490.83	1.06	
F3		27		2	344+36	30.0' RT	490.44	344+63	30.0' RT	490.15	1.06	
F3		27		2	344+35	33.7' LT	490.88	344+62	34.2' LT	490.59	1.06	
F3		25		2	346+00	50.0' LT	489.26	346+00	75.0' LT	489.01	1.00	
F3		71		2	347+04	22.0' RT	488.78	347+04	49.0' LT	488.07	1.00	
F4		54		2	350+20	51.0' LT	491.82	349+70	66.0' LT	489.93	3.50	
F4		58		2	351+11	38.0' RT	489.80	350+51	30.0' RT	489.55	0.43	
F4		52		2	351+59	54.0' LT	492.50	351+10	51.0' LT	492.27	0.44	
F4		67		2	353+79	30.0' RT	491.33	353+12	30.0' RT	490.91	0.63	
F4		69		2	354+89	30.0' RT	491.13	355+56	30.0' RT	490.53	0.87	
F4		58		2	356+37	24.0' RT	489.10	356+37	34.0' LT	486.97	3.67	
F4		84		2	359+50	25.5' RT	480.61	359+50	58.5' LT	466.60	16.68	
F4		29		2	359+69	30.0' RT	480.73	259+97	30.0' RT	479.75	3.38	
F5		65		2	362+72	30.0' RT	466.76	363+38	30.0' RT	463.62	4.83	
F5		53		2	380+20	24.5' RT	382.22	380+20	28.5' LT	380.34	3.55	
F5		62		2	366+48	30.0' RT	449.91	367+10	30.0' RT	447.26	4.27	
F6		29		2	377+57	30.0' RT	395.19	377+86	30.0' RT	393.74	5.00	
F6		31		2	381+72	30.0' RT	377.40	382+83	30.0' RT	376.46	3.03	
F7		25		2	386+58	30.0' RT	364.82	386+83	30.0' RT	364.47	1.40	
F7		25		2	387+21	30.0' RT	364.02	387+46	30.0' RT	363.79	0.92	
F7		57		2	388+00	28.5' RT	362.34	388+00	28.5' LT	360.34	3.51	
F7			28	2	389+04	36.1' RT	362.22	389+32	36.8' RT	362.14	0.30	
F7			26	2	390+03	36.7' RT	361.97	390+29	36.5' RT	361.89	0.31	
F7			30	2	390+49	36.1' RT	361.84	390+80	36.4' RT	361.75	0.30	
F7			26	2	391+30	36.3' RT	361.66	391+57	36.1' RT	361.54	0.46	
F7			29	2	392+31	34.7' RT	361.38	392+61	33.3' RT	361.23	0.52	
F7		25		2	394+82	30.0' RT	360.68	395+07	30.0' RT	360.43	0.99	

SPECIFICATIONS
SCALE: 1:1
COMPUTER DESIGNATION: 2008summary.dwg
PLOT SCALE: 1:1
LAYOUT: D4
DESIGNED BY: SMB
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DATE DRAFTED: 07/31/09

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STATE OF ALASKA
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PUBLIC FACILITIES

AMATS: OLD GLENN HIGHWAY S. BIRCHWOOD LOOP TO PETERS CREEK

SUMMARY TABLES

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	STP-0558(X)/50946	2009	D5	D11

603(17-18), 603(17-24), 603(17-36), 603(20-18), 603(20-24), 603(20-36)

CULVERT PIPE SUMMARY

SHEET	LENGTH (FT) 18 INCH	24 INCH	36 INCH	END SECTIONS	INLET STATION	INLET OFFSET	INLET ELEVATION	OUTLET STATION	OUTLET OFFSET	OUTLET ELEVATION	SLOPE %	REMARKS
F8		25		2	395+65	30.0' RT	359.86	395+90	30.0' RT	359.63	0.92	
F8		53		2	401+50	24.5' RT	356.39	401+50	28.5' LT	354.57	3.43	
F8		29		2	404+64	30.0' RT	360.33	404+35	30.0' RT	359.73	2.07	
F8		43		2	407+30	21.0' LT	367.85	407+30	22.0' RT	367.42	1.00	
F8		29		2	407+63	62.0' LT	368.48	407+46	38.0' LT	368.19	1.00	
F9		29		2	408+58	30.0' RT	370.81	408+29	30.0' RT	370.02	2.72	
F9		43		2	410+50	30.0' RT	375.26	410+07	30.0' RT	374.39	2.02	
F9	58			2	412+69	39.0' LT	378.89	412+12	31.0' LT	378.30	1.02	
F9		31		2	413+15	30.0' RT	379.20	412+84	30.0' RT	378.88	1.03	
F9	56			2	414+45	31.0' LT	380.58	413+90	39.0' LT	380.02	1.00	
F9		70		2	414+51	38.0' RT	380.37	413+81	30.0' RT	379.78	0.84	
F9		45		2	415+40	23.0' LT	381.57	415+40	22.0' RT	381.20	0.82	
F9		67		2	418+29	30.0' RT	383.66	417+62	30.0' RT	383.02	0.96	
F9		32		2	418+98	31.0' LT	385.19	418+66	31.0' LT	384.65	1.69	
F9	33			2	419+12	66.0' LT	385.19	418+79	66.0' LT	384.60	1.79	
F9		52		2	419+49	30.0' RT	384.92	418+97	30.0' RT	384.37	1.06	
F9		32		2	420+36	30.0' RT	385.72	420+04	30.0' RT	385.37	1.09	
F10		62		2	421+54	30.0' RT	387.10	420+91	30.0' RT	386.37	1.18	
F10		51		2	423+54	31.5' LT	391.26	423+04	31.0' LT	390.66	1.18	
F10		57		2	423+74	30.0' RT	389.69	423+16	30.0' RT	389.02	1.18	
F10		29		2	424+40	37.0' LT	391.72	424+40	66.0' LT	389.91	6.24	
F10		32		2	427+95	30.0' RT	394.47	427+63	30.0' RT	394.15	1.00	
F10		29		2	430+03	30.0' RT	396.53	429+74	30.0' RT	396.31	0.76	
F10		67		2	431+31	30.0' RT	397.44	430+64	30.0' RT	396.98	0.69	
F11		69		2	433+60	24.5' RT	398.59	433+60	44.5' LT	396.83	2.55	
F11		30		2	435+15	37.0' LT	400.42	435+15	67.0' LT	397.87	8.50	
F11			91	2	437+00	27.0' RT	403.48	437+00	64.0' LT	401.91	1.73	
F11		28		2	437+13	37.0' LT	404.08	437+13	65.0' LT	402.73	4.82	
F11		58		2	439+40	30.0' RT	410.06	438+84	30.0' RT	409.25	1.40	
F11		29		2	439+75	38.0' LT	408.18	439+75	67.0' LT	405.73	8.45	
F11		46		2	440+00	22.5' RT	410.52	440+00	23.5' LT	409.25	2.76	
F11		68		2	441+43	30.0' RT	411.85	440+77	30.0' RT	411.45	0.58	
F11		33		2	442+63	66.5' RT	412.56	442+57	34.0' RT	412.43	0.39	
F11		29		2	443+00	30.0' RT	412.77	442+72	30.0' RT	412.62	0.52	
F11		61		2	445+80	30.0' RT	413.09	445+19	30.0' RT	412.79	0.50	
F12		45		2	448+07	49.0' LT	416.33	447+63	41.0' LT	415.41	2.04	
F12		25		2	448+90	46.5' LT	418.28	448+90	71.5' LT	418.03	1.00	
F12		55		2	451+47	30.0' RT	424.66	450+92	30.0' RT	423.20	2.65	
F12		58		2	453+32	30.0' RT	429.61	452+74	30.0' RT	428.06	2.67	
F12		71		2	454+49	30.0' RT	432.62	453+78	30.0' RT	430.82	2.54	
F12		58		2	456+30	38.0' RT	435.53	455+73	30.0' RT	434.76	1.33	
F12		46		2	456+23	37.0' RT	435.31	455+77	37.0' RT	434.85	1.00	
F12		56		2	457+49	30.0' RT	436.09	458+04	30.0' RT	435.65	0.79	
F13		26		2	458+64	30.0' RT	435.12	458+89	30.0' RT	434.61	1.96	
F13		30		2	460+12	30.0' RT	430.62	460+41	30.0' RT	429.96	2.20	
F13		29		2	460+94	30.0' RT	428.48	461+22	30.0' RT	427.68	2.76	
F13		47		2	462+71	30.0' RT	422.65	463+17	30.0' RT	421.09	3.31	
F13		26		2	464+27	30.0' RT	416.53	464+53	30.0' RT	415.48	4.04	

SPECIFICATIONS
SCALE: 1:1
COMPUTER DESIGNATION
PLOT SCALE: 1:1
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LAYOUT: D5
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AMATS: OLD GLENN HIGHWAY S. BIRCHWOOD LOOP TO PETERS CREEK

SUMMARY TABLES

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	STP-0558(X)/50946	2009	D6	D11

603(17-18), 603(17-24), 603(17-36), 603(20-18), 603(20-24), 603(20-36)

CULVERT PIPE SUMMARY

SHEET	LENGTH (FT) 18 INCH	24 INCH	36 INCH	END SECTIONS	INLET STATION	INLET OFFSET	INLET ELEVATION	OUTLET STATION	OUTLET OFFSET	OUTLET ELEVATION	SLOPE %	REMARKS
F13		31		2	465+77	30.0' RT	411.10	466+08	30.0' RT	410.07	3.31	
F13		25		2	466+78	30.0' RT	407.76	467+03	30.0' RT	406.94	3.31	
F13		31		2	467+46	48.5' LT	405.70	467+73	63.0' LT	403.08	8.45	
F13		48		2	469+33	30.0' RT	399.37	469+81	31.0' RT	397.98	2.90	
F14		22		2	470+49	37.0' RT	395.35	470+71	37.0' RT	394.57	3.55	
F14		24		2	475+03	37.0' RT	379.84	475+28	37.0' RT	378.91	3.87	
F14		60		2	475+88	37.0' RT	376.80	476+48	37.0' RT	374.45	3.92	
F14		62		2	478+09	31.3' LT	366.00	478+71	30.0' LT	362.67	5.37	
F14		53		2	478+80	30.0' RT	363.00	479+32	30.0' RT	359.50	6.60	
F16		66		2	494+68	30.0' RT	286.54	494+04	25.5' RT	284.48	3.12	
F16		58		2	496+19	59.5' LT	279.65	496+22	117.5' LT	273.89	9.93	
F16		45		2	497+20	21.5' LT	301.95	497+20	23.5' RT	301.50	1.00	
F16		40		2	498+61	39.9' RT	310.37	498+27	29.7' RT	308.48	4.72	
F16		36		2	499+24	34.0' RT	314.66	498+88	34.0' RT	312.08	7.17	
F17		53		2	513+20	41.0' RT	352.25	513+73	41.0' RT	351.72	1.00	
F17		40		2	514+11	38.0' LT	349.59	513+84	67.5' LT	349.02	1.42	
F17		24		2	514+13	39.5' RT	351.23	514+35	30.5' RT	350.61	2.58	
F17		52		2	514+55	24.0' RT	350.25	514+55	28.0' LT	349.73	1.00	
F17		71		2	517+13	30.0' RT	356.61	516+42	30.0' RT	354.74	2.63	
F18		49		2	523+90	22.5' RT	366.67	523+90	26.5' LT	366.15	1.06	
F18		57		2	525+19	22.0' RT	366.65	525+19	35.0' LT	364.67	3.47	
F18		81		2	526+89	36.0' RT	366.51	526+81	44.6' LT	363.87	3.26	
F18		86		2	527+87	33.7' RT	368.33	527+05	40.3' RT	367.07	1.47	
F18		66		2	529+38	30.0' RT	371.94	528+75	30.0' RT	370.62	2.00	
G4		26		2	126+15	13.0' RT	472.48	126+15	13.0' LT	471.89	2.27	SEPARATED PATHWAY
G4		41		2	128+25	14.0' RT	463.73	128+25	27.0' LT	457.80	14.46	SEPARATED PATHWAY
G5		25		2	132+40	9.5' RT	445.82	132+40	15.5' LT	442.62	12.80	SEPARATED PATHWAY
G6		25		2	146+37	13.0' RT	389.60	146+62	13.0' RT	389.35	1.00	SEPARATED PATHWAY
G6	21			2	146+39	13.0' LT	389.33	146+60	13.0' LT	389.12	1.00	SEPARATED PATHWAY
G7			41	2	158+60	18.0' RT	355.08	158+60	23.0' LT	352.03	7.44	SEPARATED PATHWAY
G7		50		2	163+65	19.5' RT	345.83	163+65	30.5' LT	340.06	11.54	SEPARATED PATHWAY
G28	63			2	1+20	21.4' RT	440.35	0+62	21.6' RT	436.43	6.22	SKYVIEW AVENUE
G28	57			2	1+25	27.1' LT	440.66	0+61	28.2' LT	435.72	8.67	SKYVIEW AVENUE
G31		31		2	11+44	15.5' RT	365.34	11+44	15.5' LT	364.98	1.16	LACE ROAD
G31		50		2	12+72	21.0' RT	367.15	12+18	21.0' RT	366.54	1.22	LACE ROAD

DESIGNED BY SMB
CHECKED BY BCM
DRAFTED BY MKG
DATE DRAFTED: 07/31/09
PLOT SCALE: 1:1
LAYOUT: D7
SPECIFICATIONS
SCALE: 1:1
COMPUTER DESIGNATION 2008Summary.dwg

STATE OF ALASKA
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AMATS: OLD GLENN HIGHWAY S. BIRCHWOOD LOOP TO PETERS CREEK

SUMMARY TABLES

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	STP-0558(X)/50946	2009	D7	D11

603(17-36), 603(20-36)

STORM DRAIN PIPE SUMMARY

SHEET	PIPE NUMBER	LENGTH (FT) 36 INCH	END SECTIONS	FROM	TO	ELEVATION INLET	ELEVATION OUTLET	SLOPE %	REMARKS
F5	P5-1	94	1	S5-1	S5-2	448.60	440.40	9.00	PARKS CREEK
F5	P5-2	95		S5-2	S5-3	434.39	425.45	10.00	PARKS CREEK
F5	P5-3	91	1	S5-3	S5-4	413.59	404.93	10.00	PARKS CREEK

604(1B)

STRUCTURE SUMMARY

SHEET	STRUCTURE	TYPE OF STRUCTURE	TYPE OF CASTING	STATION	OFFSET TO STRUCTURE CL	TOP OF CASTING ELEVATION	PAY ITEM
F5	S5-1	INLET	END SECTION	367+68.74	142.14' RT		603(20-36)
F5	S5-2	SDMH, TYPE II	M.H.	368+01.48	53.99' RT	446.39	604(1B)
F5	S5-3	SDMH, TYPE II	M.H.	368+34.36	34.50' LT	446.12	604(1B)
F5	S5-4	OUTLET	END SECTION	368+66.16	120.13' LT		603(20-36)

606(1), 606(9), 606(11), 606(12)

GUARDRAIL SUMMARY

SHEET	BEGIN STATION	OFFSET	END STATION	OFFSET	606(1) LENGTH	606(9) EACH	606(11) EACH	606(12) EACH	REMARKS
F3-F4	344+96	21.4 LT	349+39	29.5 LT	369		2		
F3	345+93	69.4 LT	347+23	40.5 LT	133				
F4	349+01	44.0 LT	349+79	90.9 LT	60	1			R = 20 FT
F4	351+47	93.9 LT	352+51	44.0 LT	82	1			R = 25 FT
F4-F6	351+85	29.5 LT	377+75	61.0 LT	2531	1	1		R = 20 FT
F6-F8	377+89	61.0 LT	405+00	17.5 LT	2648	1	1		R = 20 FT
F14-F15	480+03	86.8 RT	482+42	136.0 RT	173		2		
F15	485+05	17.5 LT	491+79	16.0 LT	606			1	
F15	487+00	17.5 RT	491+65	16.0 RT	397			1	
F15-F16	493+01	16.0 RT	494+27	81.0 RT	68	1		1	R = 40 FT
F15-F16	493+15	16.0 LT	494+61	54.6 LT	80	1		1	R = 40 FT
F16-F17	495+03	41.9 LT	514+00	17.5 LT	1878	1	1		R = 10 FT

606(6)

REMOVING AND DISPOSING OF GUARDRAIL

SHEET	STATION TO STATION	OFFSET	LENGTH (FT)	REMARKS
F2	324+56 TO 329+83	LT	540	
F2	327+22 TO 329+01	RT	202	
F4-F5	359+07 TO 362+11	LT	303	
F5-F6	365+64 TO 372+01	LT	639	
F6	374+20 TO 377+58	LT	339	
F6-F8	380+74 TO 396+84	LT	1613	
F8	399+14 TO 402+52	LT	339	
F14-F15	479+46 TO 482+13	RT	276	
F15	486+11 TO 491+81	LT	570	
F15	488+73 TO 490+81	RT	308	
F15-F16	492+83 TO 496+40	LT	362	
F15-F16	492+83 TO 494+02	RT	120	
F16-F17	500+24 TO 511+09	LT	1090	

SPECIFICATIONS
SCALE: 1:1
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DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

AMATS: OLD GLENN HIGHWAY S. BIRCHWOOD LOOP TO PETERS CREEK

SUMMARY TABLES

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	STP-0558(X)/50946	2009	D8	D11

608(10)

DETECTABLE WARNING TILES

SHEET	STATION	OFFSET	AREA (SF)	REMARKS
F1	320+00	LT	20	
F1	320+77	LT	20	
F2	323+74	LT	20	
F2	324+73	LT	20	
F2	325+11	RT	14	
F4	351+23	RT	14	
F8	405+63	LT	20	
F8	406+60	LT	20	
F9	411+95	LT	20	
F9	412+83	LT	20	
F9	413+80	LT	20	
F9	414+60	LT	20	
F9	414+62	LT	20	
F10	422+87	LT	20	
F10	423+71	LT	20	
F11	433+57	LT	20	
F11	434+41	LT	20	
F12	447+40	LT	20	
F12	448+28	LT	20	
F12	455+56	LT	20	
F12	456+44	LT	20	
F12	456+44	RT	14	
F13	467+99	LT	20	
F13	469+15	LT	20	
F13	469+01	LT	31	
F13	469+03	RT	20	
F13	469+20	RT	14	
	470+01	RT	20	
F14	475+66	RT	20	
F14	476+58	RT	20	
F14	478+59	RT	20	
F14	479+43	RT	20	
F16	498+72	RT	20	
F16	499+49	RT	20	
F17	512+96	RT	20	
F17	513+94	RT	20	
F18	526+96	RT	20	

611(1A), 611(1B), 611(1C)

RIPRAP SUMMARY

SHEET	BEGIN STATION	END STATION	OFFSET	LENGTH (FT)	611(1A) (YD3)	611(1B) (YD3)	611(1C) (YD3)	REMARKS
F3	338+53	338+62	RT	9	1			CHECK DAM
F4	357+57	357+66	LT	9	2			CHECK DAM
F4	359+53	359+62	RT	9	1			CHECK DAM
F4	359+46	359+83	LT	37	5			DITCH PROTECTION
F4	359+83	359+92	LT	9	1			CHECK DAM
F5	364+01	364+10	LT	9	1			CHECK DAM
F5	368+68	368+74	LT	6			31	PARKS CREEK OUTFALL
F5–F6	367+13	371+90	RT	477	158			DITCH PROTECTION
F6	377+89	380+23	RT	234	126			DITCH PROTECTION
F6	380+23	380+32	RT	9	1			CHECK DAM
F14	476+52	478+76	RT	224	50			DITCH PROTECTION
F14–F15	478+75	486+50	LT	775	259			DITCH PROTECTION
F14–F15	479+35	486+72	RT	737	165			DITCH PROTECTION
F15	491+44	493+42	LT & RT			1685		PETERS CREEK BRIDGE
F16	494+72	498+24	RT	352	117			DITCH PROTECTION
F16	497+08	497+17	LT	9	1			CHECK DAM
F16	497+17	500+00	LT	283	63			DITCH PROTECTION
F16	498+64	498+85	RT	21	7			DITCH PROTECTION
F16	499+27	502+00	RT	273	65			DITCH PROTECTION

607(4)

RECONSTRUCTED FENCE

SHEET	STATION TO STATION	OFFSET	LENGTH (FT)	REMARKS
F17	514+12 TO 514+26	LT	14	
F17 – F18	519+00 TO 523+32	LT	432	
F18	525+20 TO 526+52	LT	132	

616(4)

THAW WIRE INSTALLATION

SHEET	STATION	OFFSET	REMARKS
	337+00	CL	ROADWAY CULVERT

DESIGNED BY: SMB
CHECKED BY: BCM
DRAFTED BY: NKG
DATE DRAFTED: 07/31/09
LAYOUT: D8
PLOT SCALE: 1:1
2008summary.dwg
SPECIFICATIONS
SCALE: 1:1
COMPUTER DESIGNATION

STATE OF ALASKA
49TH
Shane M. Blanchard
CE 11519
REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY
CRW ENGINEERING GROUP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

AMATS: OLD GLENN HIGHWAY S. BIRCHWOOD LOOP TO PETERS CREEK

SUMMARY TABLES

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	STP-0558(X)/50946	2009	D9	D11

639(6)

APPROACH SUMMARY

SHEET	STATION	OFFSET	WIDTH (FT)	RADIUS (FT)	SKEW ANGLE	LANDING LENGTH (FT)	LANDING GRADE	VERTICAL CURVE LENGTH (FT)	APPROACH GRADE	L1 LENGTH (FT)	L2 PAVEMENT LENGTH (FT)	L2 GRAVEL LENGTH (FT)	REMARKS
F1	317+00	RT	14										SEE G SHEETS
F1	317+71	RT	14	20	60	26	2.00%	20	9.60%	59			
F1	317+93	LT	30	40		30	2.00%	20	−4.50%	56	36		
F1	319+23	RT	14	20		10	2.00%	20	11.50%	36	7		
F1	319+89	RT	30										SEE G SHEETS
F1	320+39	LT	20										SEE G SHEETS
F1	321+60	RT	24	40		30	−0.75%	30	4.75%	56	16		
F2	324+23	LT	34	40		30	1.00%	20	−7.53%	56			
F2	324+66	RT											LAUGHLIN/DIVISION ST – SEE G SHEETS
F2	329+09	RT	24	40	80	20	2.00%	20	3.24%	66			
F2	332+62	RT	20	40/20	60	30	2.00%	20	10.39%	69		70	
F3	339+36	RT	24	40		23	2.00%	23	13.79%	56			
F3	343+51	RT	24										SEE G SHEETS
F3	344+48	LT	14										SEE G SHEETS
F3	344+48	RT	14										SEE G SHEETS
F4	349+96	LT	34	40		30	−2.00%	25	−3.96%	67		22	
F4	350+81	RT	24	40		30	2.00%	0	2.10%	57			
F4	351+31	LT	34	40		30	−2.00%	20	−6.23%	67		24	
F4	353+46	RT	34	40		30	1.42%	0	1.42%	56			
F4	355+31	RT	34	40	81	30	2.00%	20	6.11%	63			
F4	357+01	RT	24	40/20	77	30	2.00%	20	12.72%	66			
F4	357+12	RT	24	20/40	61	30	2.00%	20	11.30%	82		8	
F4	359+64	RT	14										SEE G SHEETS
F5	363+03	RT	34	40		30	−1.87%	0	−1.87%	57			
F5	366+79	RT	34	40		30	−2.00%	0	−2.00%	60			
F6	377+69	RT	14										SEE G SHEETS
F6	377+82	LT	14										SEE G SHEETS
F6	381+86	RT	20	20		10	−2.00%	0	−2.00%	36		11	
F7	386+70	RT	14	20		10	−2.00%	0	−2.00%	36		8	
F7	387+33	RT	14	20		10	−2.00%	0	−2.00%	36			
F7	388+23	RT	14	20		10	−2.00%	0	−2.00%	36	3		
F7	389+18	RT	14	20		10	−2.00%	20	−7.38%	36		14	
F7	390+16	RT	14	20/15		10	−2.00%	10	−3.80%	36		14	
F7	390+64	RT	18	15/20		10	−2.00%	0	−2.00%	36		4	
F7	391+43	RT	14	20		10	−2.00%	0	−2.00%	36		5	
F7	392+46	RT	20	20		10	−2.00%	0	−2.00%	36		9	
F7	394+94	RT	14	20		20	−2.00%	20	−3.42%	36		14	

NOTES:

1. SKEW ANGLES ARE 90 DEGREES UNLESS OTHERWISE NOTED.

SPECIFICATIONS
SCALE: 1:1
COMPUTER DESIGNATION
PLOT SCALE: 1:1
2008summary.dwg
LAYOUT: 09
DESIGNED BY SMB
CHECKED BY BCM
DRAFTED BY NKG
DATE DRAFTED: 07/31/09

STATE OF ALASKA
49TH
Shane M. Blanchard
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REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY
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AMATS: OLD GLENN HIGHWAY S. BIRCHWOOD LOOP TO PETERS CREEK

SUMMARY TABLES

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	STP-0558(X)/50946	2009	D10	D11

639(6)

APPROACH SUMMARY

SHEET	STATION	OFFSET	WIDTH (FT)	RADIUS (FT)	SKEW ANGLE	LANDING LENGTH (FT)	LANDING GRADE	VERTICAL CURVE LENGTH (FT)	APPROACH GRADE	L1 LENGTH (FT)	L2 PAVEMENT LENGTH (FT)	L2 GRAVEL LENGTH (FT)	REMARKS
F8	395+77	RT	14										SEE G SHEETS
F8	404+62	RT	14	20	73	10	−2.00%	0	−2.77%	44			
F8	406+12	LT	34	40		30	−2.00%	20	−9.33%	56		44	
F9	408+45	RT	14	20		10	1.27%	0	1.27%	36			
F9	410+30	RT	20	30		16	2.00%	20	8.20%	46		6	
F9	412+44	LT	34	40		30	−1.38%	0	−1.38%	56			
F9	413+00	RT	14	20		16	2.00%	20	7.48%	36		14	
F9	414+16	LT	28	40		22	2.00%	20	−1.69%	56			
F9	414+16	RT	24	40		30	2.00%	20	7.53%	56		12	
F9	418+00	RT	30										BENDING BIRCH DR – SEE G SHEETS
F9	418+83	LT	20										SEE G SHEETS
F9	419+24	RT	24	40		30	−1.68%	0	−1.68%	56			
F9	420+21	RT	20	20		10	−1.17%	0	−1.17%	36			
F10	421+23	RT	34	40		30	−1.35%	0	−1.35%	56			
F10	423+28	LT	24										SEE G SHEETS
F10	423+49	RT	24										AMONSON RD – SEE G SHEETS
F10	427+80	RT	20	20		10	−0.54%	0	−0.54%	36			
F10	429+90	RT	20	20		10	−1.44%	0	−1.44%	36			
F10	431+00	RT	34	40		30	2.00%	20	7.33%	56			
F11	434+00	LT	24										SEE G SHEETS
F11	436+59	RT	30	40		30	−2.00%	20	1.20%	56			
F11	439+12	RT	24	40		30	2.00%	25	10.38%	55		20	
F11	441+10	RT	34	40		30	2.00%	20	10.67%	55			
F11	442+86	RT	20										SEE G SHEETS
F11	445+50	RT	30	40		30	0.74%	0	0.74%	56			
F12	447+84	LT	24	40		30	1.00%	0	1.35%	68		32	
F12	451+20	RT	24	40		30	−2.00%	20	−4.19%	56			
F12	453+04	RT	24										SEE G SHEETS
F12	454+15	RT	34	40		30	−1.00%	30	6.42%	56	14		
F12	456+00	LT	24	40		47	−1.00%	30	0.50%	56	42		
F12	456+11	RT	24										SKYVIEW AVE – SEE G SHEETS
F12	457+77	RT	24	40		39	−1.52%	0	−1.52%	55			
F13	458+75	RT	16	20		20	−2.00%	0	−2.00%	36			
F13	460+25	RT	20	20		37	−2.00%	0	−2.00%	36		18	
F13	461+07	RT	20	20		10	−2.00%	0	−2.00%	36		9	
F13	462+93	RT	20										SHERMAN STREET – SEE G SHEETS
F13	464+39	RT	14	20		10	1.00%	0	1.00%	36		7	
F13	465+92	RT	20	20		10	−2.00%	0	−2.00%	36		9	

NOTES:

1. SKEW ANGLES ARE 90 DEGREES UNLESS OTHERWISE NOTED.

DESIGNED BY SMB
CHECKED BY BCM
DRAFTED BY MKG
DATE DRAFTED: 07/31/09
SPECIFICATIONS
SCALE: 1:1
PLOT SCALE: 1:1
COMPUTER DESIGNATION 2008summary.dwg
LAYOUT: D9

STATE OF ALASKA
49TH
Shane M. Blanchard
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AND
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AMATS: OLD GLENN HIGHWAY S. BIRCHWOOD LOOP TO PETERS CREEK

SUMMARY TABLES

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	STP-0558(X)/50946	2009	D11	D11

639(6)

APPROACH SUMMARY

SHEET	STATION	OFFSET	WIDTH (FT)	RADIUS (FT)	SKEW ANGLE	LANDING LENGTH (FT)	LANDING GRADE	VERTICAL CURVE LENGTH (FT)	APPROACH GRADE	L1 LENGTH (FT)	L2 PAVEMENT LENGTH (FT)	L2 GRAVEL LENGTH (FT)	REMARKS
F13	466+90	RT	14	20		10	−2.00%	0	−2.00%	36		9	
F13	468+35	LT	30										N. BIRCHWOOD LP – SEE G SHEETS
F13	469+62	RT	20										NEEDELS LOOP – SEE G SHEETS
F14	470+60	RT	14	20		10	2.00%	0	2.00%	36	3		
F14	475+15	RT	14	20		10	−1.25%	0	−1.25%	36		11	
F14	476+10	RT	24										NEEDELS LOOP – SEE G SHEETS
F14	478+40	LT	32	40		30	−2.00%	20	−4.08%	57			
F14	479+01	RT	24										LACE ROAD – SEE G SHEETS
F16	494+39	RT	25	40		30	−0.75%	20	1.53%	56			
F16	494+39	LT	20										SEE G SHEETS
F16	499+09	RT	20	20		10	1.53%	0	1.53%	36			
F17	513+45	RT	34										CHAPEL DRIVE – SEE G SHEETS
F17	516+80	RT	28	40		41	2.00%	15	13.83%	56	18		
F18	524+20	RT	20	20		15	−1.00%	10	1.53%	36		14	
F18	529+07	RT	27	40		30	2.00%	20	10.31%	54			
F18	527+46	LT	48	50		30	4.00%	0	4.00%	85			SKI ROAD
F18	527+47	RT	42	50		30	4.00%	0	4.00%	64			SKI ROAD
G28	0+87	LT	24	20/40		44	−1.74%	0	−1.74%	58			SKYVIEW AVENUE DWY
G28	0+88	RT	24	30/40		34	1.45%	0	1.45%	48			SKYVIEW AVENUE DWY
G31	12+45	RT	20	30		20	2.00%	20	7.95%	45		23	LACE ROAD DWY

NOTES:

1. SKEW ANGLES ARE 90 DEGREES UNLESS OTHERWISE NOTED.

SPECIFICATIONS
SCALE: 1:1
COMPUTER DESIGNATION
PLOT SCALE: 1:1
2008Summary.dwg
LAYOUT: D9
DESIGNED BY SMB
CHECKED BY BCM
DRAFTED BY NKG
DATE DRAFTED: 07/31/09

STATE OF ALASKA
49TH
Shane M. Blanchard
CE 11519
REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY
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STATE OF ALASKA
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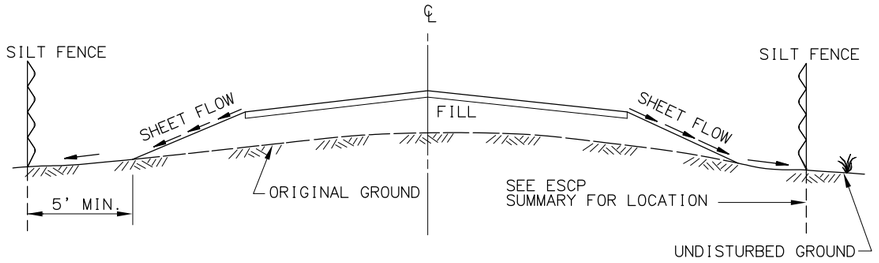
AMATS: OLD GLENN HIGHWAY S. BIRCHWOOD LOOP TO PETERS CREEK

SUMMARY TABLES

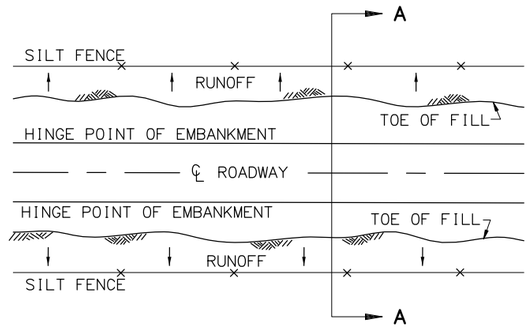
			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	STP-0558(X)/50946	2009	E1	E12



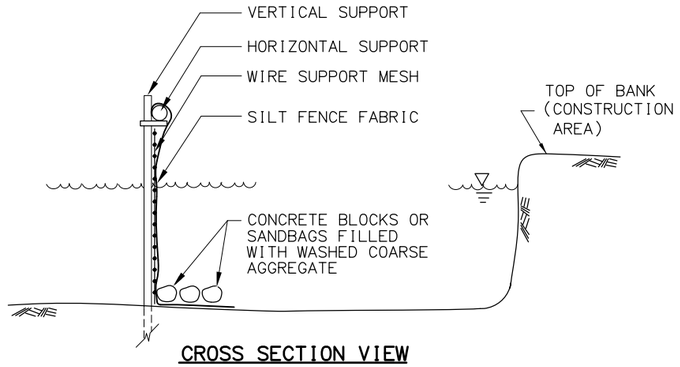
SECTION A-A

GENERAL NOTES:

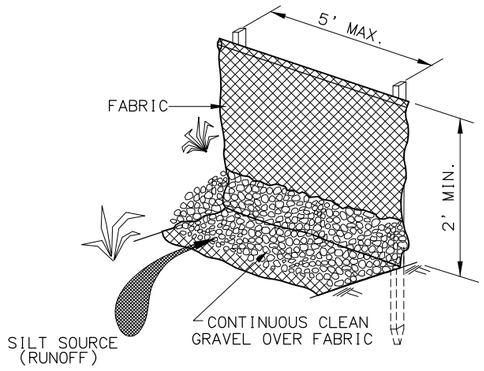
1. INSTALLATION AND APPLICATION SHALL BE IN ACCORDANCE WITH THE ADOT/PF SEDIMENT AND EROSION CONTROL MANUAL (http:\\www.dot.state.ak.us).
2. SILT FENCE FABRIC SHALL BE OVERLAPPED 6" AT FENCE SUPPORTS.
3. SILT FENCE FABRIC SHALL BE TAUT, NOT LOOSE OR FOLDED.
4. THE CONTRACTOR SHALL INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT.
5. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.



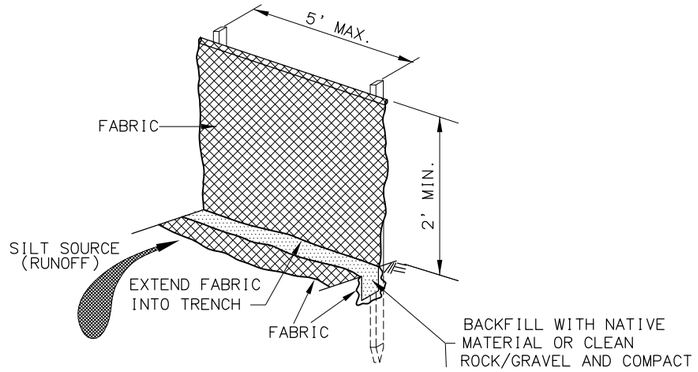
PLAN VIEW



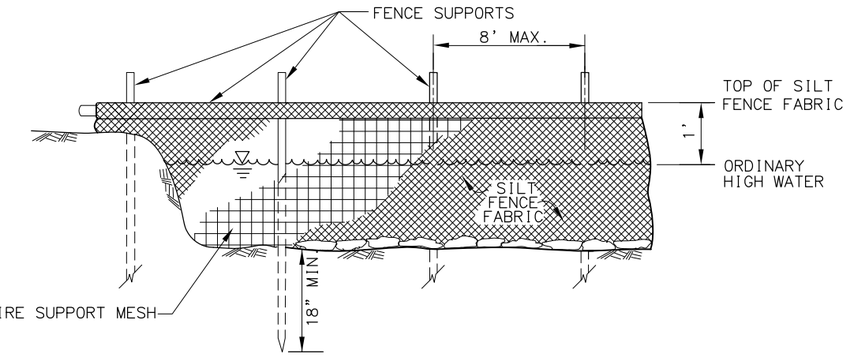
CROSS SECTION VIEW



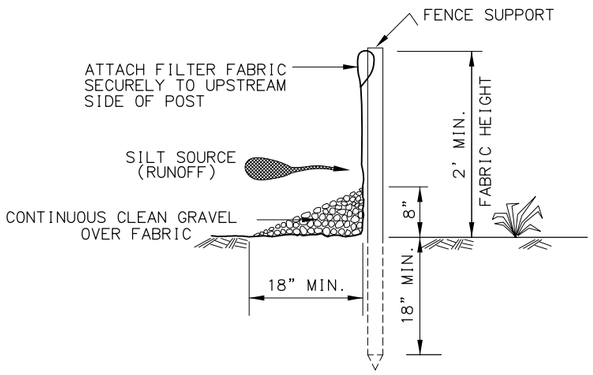
BACKFILL ALTERNATE



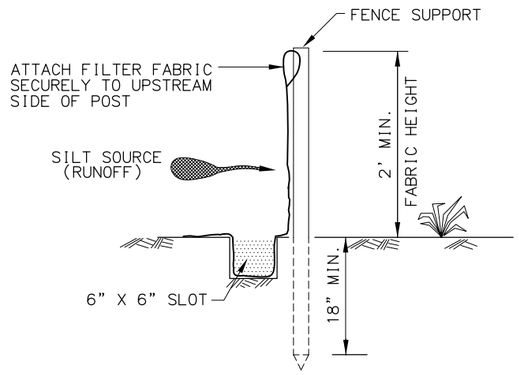
TRENCH ALTERNATE



TYPICAL



BACKFILL CROSS SECTION



TRENCH CROSS SECTION

FOR USE IN WATER

1. SECURE THE ENDS OF SILT FENCE TO THE BANK.
2. SILT FENCE FRAMEWORK SHALL BE NOMINAL 2" X 2" WOOD, 3" DIAMETER WOOD, #6 REBAR WITH PVC SLEEVES, 3/4" IRON PIPE, OR OTHER POSTS CAPABLE OF SUPPORTING THE INSTALLATION, AS APPROVED BY THE ENGINEER.
3. THE WIRE MESH SUPPORT SHALL BE WWF 6" X 6", W1 X W1 OR AS APPROVED BY THE ENGINEER.
4. FENCE ANCHORED IN STANDING WATER SHALL HAVE THE BOTTOM ANCHORED WITH SANDBAGS OR CONCRETE BLOCKS AS DETAILED ABOVE.

FOR USE ON LAND

1. FENCE SHALL BE PLACED AT LEAST 5' FROM THE TOE OF EMBANKMENT OR EXCAVATION AREAS, OR AS DIRECTED BY THE ENGINEER.
2. ACCUMULATION OF SEDIMENT BEHIND SILT FENCE SHALL BE REMOVED WHEN DEPTH REACHES 12". REMOVED SEDIMENT SHALL BE DEPOSITED IN AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.

STATE OF ALASKA
49TH
ANDREA K. MORTON
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REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY
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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

AMATS: OLD GLENN HIGHWAY
S. BIRCHWOOD LOOP TO
PETERS CREEK

SILT FENCE DETAILS

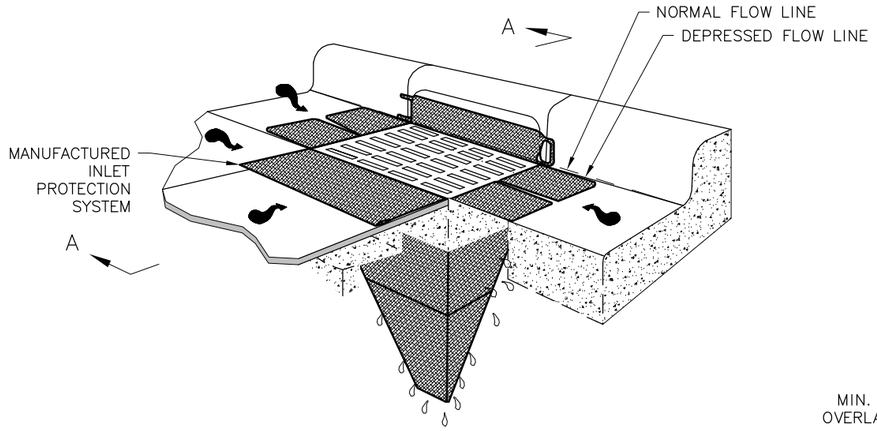
DESIGNED BY SMB
CHECKED BY BDM
DRAFTED BY MKG
DATE DRAFTED: 07/31/2009
LAYOUT: E1
PLOT SCALE: 1:1
SCALE: 1:1
COMPUTER DESIGNATION 20080811fence.dwg
SPECIFICATIONS

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	STP-0558(X)/50946	2009	E2	E12

DESIGNED BY: DY
CHECKED BY: SMD
DRAWN BY: MKG
DATE DRAFTED: 07/31/2009
LAYOUT: E2
SPECIFICATIONS
SCALE: 1:1
PLOT SCALE: 1:1
COMPUTER DESIGNATION: Detail Sheets E2 and E3.dwg

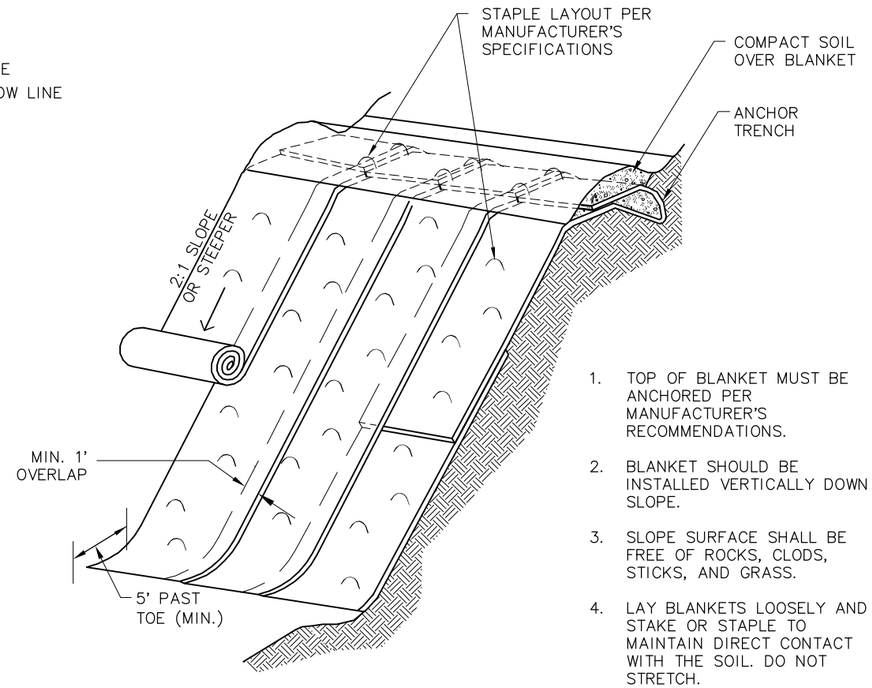
GENERAL ESCP NOTES:

1. THE CONTRACTOR SHALL DEVELOP A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) FOR THIS PROJECT. THE PLAN SHALL COMPLY WITH THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) REQUIREMENTS FOR STORM WATER DISCHARGE FROM CONSTRUCTION SITES. SEE SECTION 641 OF THE SPECIAL PROVISIONS. THE ALASKA SWPPP GUIDE (AS CURRENTLY AMENDED), AND ALL CONDITIONS OF PERMIT APPROVALS.
2. MINIMIZE THE AREA AND TIME PERIOD THAT ERODIBLE SOILS ARE EXPOSED TO STORM WATER. DISTURBED AREAS SHALL BE STABILIZED AS SOON AS PRACTICABLE.
3. THE CONTRACTOR SHALL IMMEDIATELY BACKFILL THE TRENCH AFTER INSTALLATION OF THE STORM DRAIN SYSTEM TO MINIMIZE THE POTENTIAL FOR EROSION AND SEDIMENTATION OF EXPOSED SOILS.
4. SEDIMENT CONTROL DEVICES SHALL BE INSTALLED BEFORE ERODIBLE SOILS ARE EXPOSED AND MAY HAVE TO BE REMOVED AND REINSTALLED DAILY TO ALLOW CONSTRUCTION ACTIVITIES TO PROCEED. ALL DEVICES SHALL BE MAINTAINED ON A DAILY BASIS INCLUDING, BUT NOT LIMITED TO, REMOVAL AND DISPOSAL OF ACCUMULATED SOILS, CLEANING DEVICES, AND REPLACEMENT OF DAMAGED DEVICES WITH NEW.
5. THE CONTRACTOR SHALL MAINTAIN DEVICES AND CORRECT ANY PROBLEMS OCCURRING DUE TO INADEQUATE PROTECTION MEASURES. INSPECT AND REPAIR DEVICES AFTER EACH RAINFALL. REMOVE AND DISPOSE OF SEDIMENT CONTROL DEVICES AFTER STABILIZATION OF SLOPES.
6. WATER OR NON-TOXIC DUST PALLATIVES SHALL BE USED TO CONTROL DUST.
7. PROVIDE EROSION CONTROL MATTING OR OTHER BMP ON ALL SLOPES STEEPER THAN 2H:1V AND SLOPES WHERE IMMEDIATE SEEDING IS NOT PRACTICAL.
8. THE CONTRACTOR SHALL PROVIDE INLET PROTECTION ON ALL INLETS THAT WOULD RECEIVE RUNOFF FROM PROJECT ACTIVITIES. INLET PROTECTION SHALL BE SEQUENCED TO PROJECT EXISTING INLETS AND NEW INLETS AS PROJECT PHASING OCCURS.
9. THE CONTRACTOR SHALL PROVIDE APPROPRIATE FILTERING AND PROTECTION FOR ALL PIPES DISCHARGING INTO LOWER FIRE LAKE.
10. UNCONTAMINATED GROUND WATER SHALL BE DISPOSED OF BY PUMPING THROUGH A FILTER BAG OR DEWATERING BASIN TO REMOVE SEDIMENT BEFORE WATER RE-ENTERS SYSTEM.
11. STREET CLEANING SHALL OCCUR DAILY OR MORE FREQUENTLY TO CONTROL OFF SITE TRACKING. STREET CLEANING SHALL CONSIST OF DRY SWEEPING OR HIGH EFFICIENT VACUUM SWEEPING FOLLOWING BY WASHING. DO NOT WASH SEDIMENTS FROM ROADWAY INTO DRAINAGE SYSTEM OR WATER BODIES.



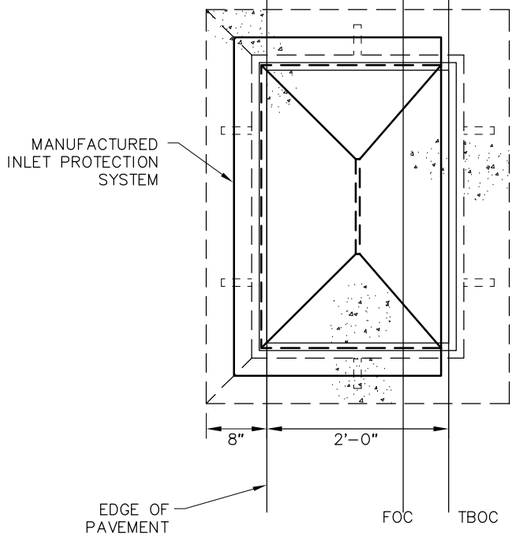
TYPE "A" INLET GRATE INSTALLATION WITH INLET PROTECTION

NTS

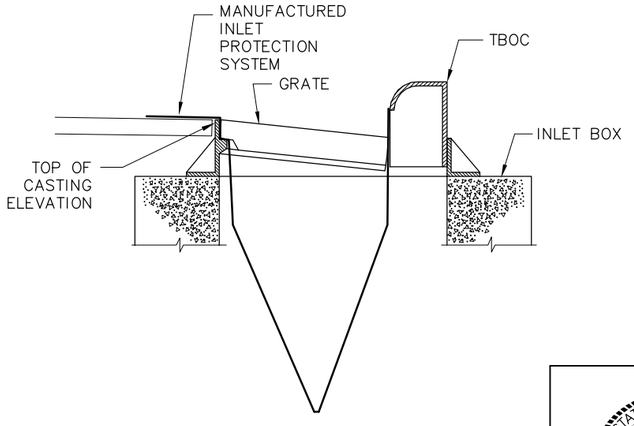


1. TOP OF BLANKET MUST BE ANCHORED PER MANUFACTURER'S RECOMMENDATIONS.
2. BLANKET SHOULD BE INSTALLED VERTICALLY DOWN SLOPE.
3. SLOPE SURFACE SHALL BE FREE OF ROCKS, CLODS, STICKS, AND GRASS.
4. LAY BLANKETS LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH THE SOIL. DO NOT STRETCH.

EROSION CONTROL BLANKET



INLET PLAN



SECTION A-A

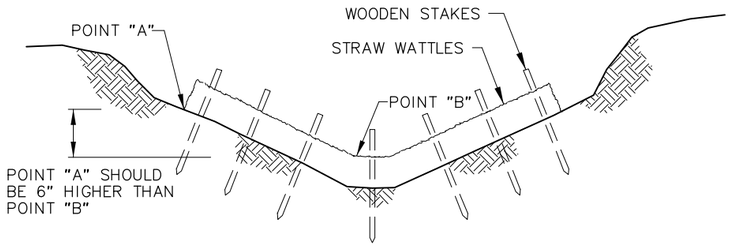
PLANS DEVELOPED BY
CRW ENGINEERING GROUP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

AMATS: OLD GLENN HIGHWAY
S. BIRCHWOOD LOOP TO
PETERS CREEK

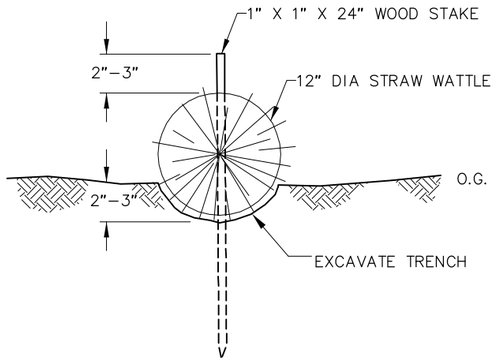
EROSION CONTROL
DETAILS

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION					
			ALASKA	STP-0558(X)/50946	2009	E3	E12

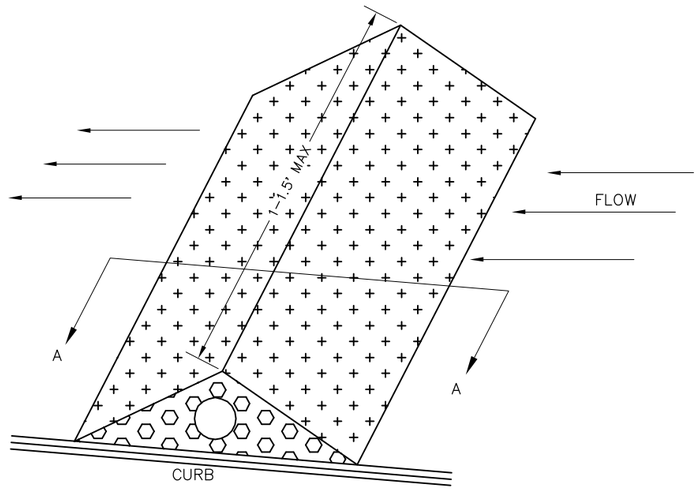


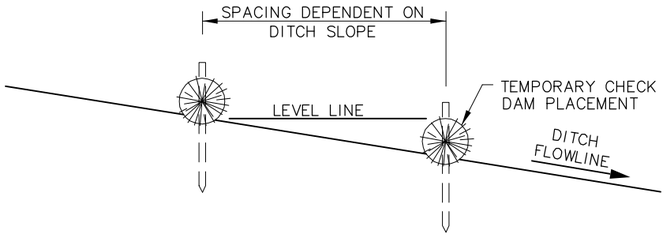
ELEVATION – DITCH LINE

STRAW WATTLE – TEMPORARY CHECK DAM



TRENCH DETAIL





SECTION A–A

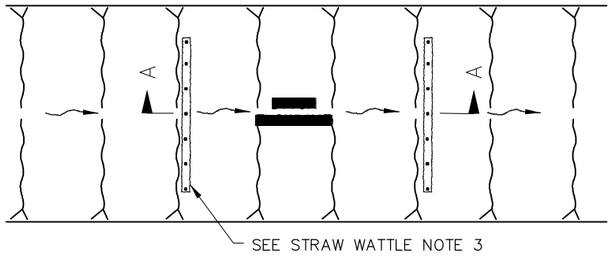
SPACING BETWEEN CHECK DAMS

JOINT DETAIL

SECTION A–A

CROSS SECTION OF GRAVEL WATTLE BERM

GRAVEL WATTLE BERM



PLAN – DITCH LINE

STRAW WATTLE NOTES:

1. STRAW WATTLES SHALL BE INSTALLED PRIOR TO ANY CONSTRUCTION OTHER THAN SURVEYING, UNLESS OTHERWISE NOTED OR APPROVED BY THE ENGINEER.
2. REMOVAL OF TRAPPED SEDIMENT TO AN AREA NOT SUBJECT TO EROSION IS REQUIRED WHEN THE SEDIMENT HAS REACHED A HEIGHT OF 5". WHEN APPROVED BY THE ENGINEER, AFTER REMOVING STAKES, WATTLES MAY BE LEFT IN PLACE TO DECOMPOSE, OR MAY BE SPREAD AND SEEDED.
3. CONSTRUCT TEMPORARY CHECK DAM AT LOCATIONS AS INDICATED BY OR AS DIRECTED BY THE ENGINEER IMMEDIATELY AFTER THE DITCH FLOW LINE IS ESTABLISHED.

GRAVEL WATTLE NOTES:

1. A GRAVEL WATTLE BERM IS A 1–1.5 FOOT WATTLE LAID PERPENDICULAR TO CURB LINE, WEIGHED DOWN WITH A CLEAN GRAVEL OR CRUSHED ROCK FILTER MATERIAL.
2. REMOVE SEDIMENT BUILD–UP AND REPLACE GRAVEL FILTER MATERIAL WHEN SEDIMENT EXCEEDS 50 PERCENT OF HEIGHT OF BEAM OR WHEN SEDIMENT BUILD–UP CAUSES RUN OFF TO FLOW AROUND BERM INSTEAD OF THROUGH FILTER MATERIAL.

STATE OF ALASKA 49TH
ANDREA K. MORTON CE 9002
REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY
CRW ENGINEERING GROUP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

AMATS: OLD GLENN HIGHWAY
S. BIRCHWOOD LOOP TO
PETERS CREEK

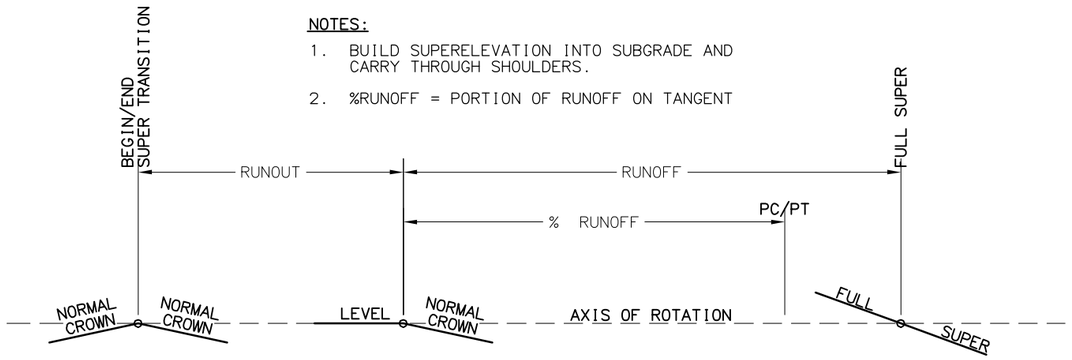
EROSION CONTROL DETAILS

DESIGNED BY: DY
CHECKED BY: SMD
DRAFTED BY: NKG
DATE DRAFTED: 07/31/2009
PLOT SCALE: 1:1
LAYOUT: E2
SPECIFICATIONS
SCALE: 1:1
COMPUTER DESIGNATION: Detail Sheets E2 and E3.dwg

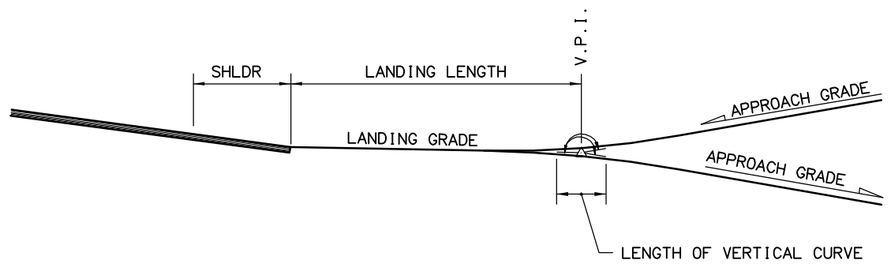
REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION					
			ALASKA	STP-0558(X)/50946	2009	E4	E12

NOTES:

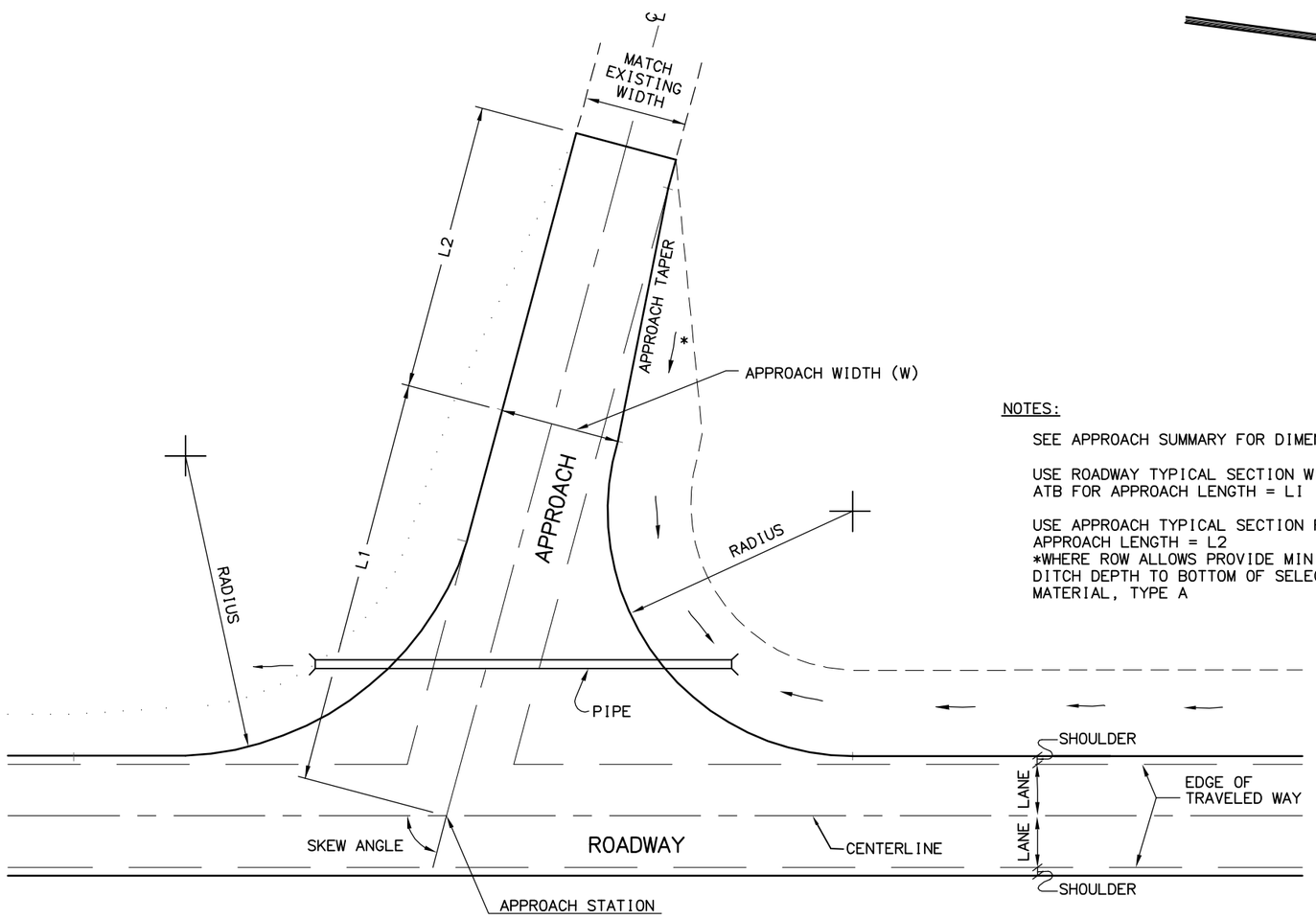
1. BUILD SUPERELEVATION INTO SUBGRADE AND CARRY THROUGH SHOULDERS.
2. %RUNOFF = PORTION OF RUNOFF ON TANGENT



SUPERELEVATION TRANSITION DETAIL



APPROACH PROFILE



NOTES:

SEE APPROACH SUMMARY FOR DIMENSIONS.

USE ROADWAY TYPICAL SECTION WITHOUT 2" ATB FOR APPROACH LENGTH = LI

USE APPROACH TYPICAL SECTION FOR APPROACH LENGTH = L2
*WHERE ROW ALLOWS PROVIDE MINIMUM DITCH DEPTH TO BOTTOM OF SELECTED MATERIAL, TYPE A

APPROACH PLAN

DESIGNED BY	SMB	DATE DRAFTED: 07/31/2009
CHECKED BY	BCW	
DRAFTED BY	NKG	
PLOT SCALE: 1:1		LAYOUT: LAYOUT 1
2008approach.dwg		
SPECIFICATIONS		
SCALE: 1:1		
COMPUTER DESIGNATION		

STATE OF ALASKA
49TH
ANDREA K. MORTON
CE 9002
REGISTERED PROFESSIONAL ENGINEER

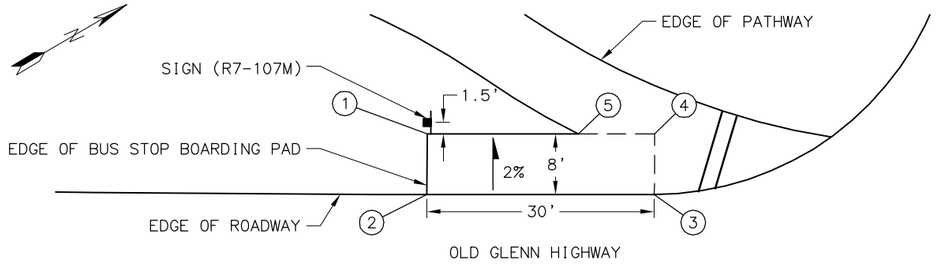
PLANS DEVELOPED BY
CRW ENGINEERING GROUP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

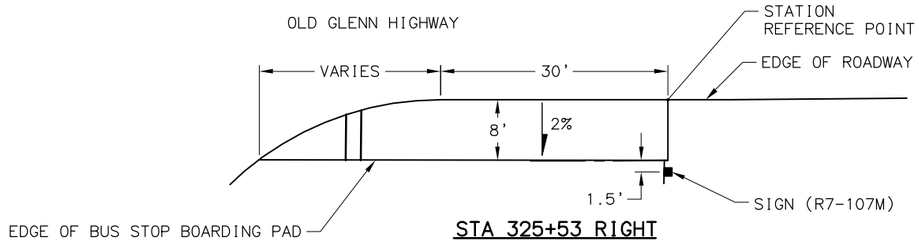
AMATS: OLD GLENN HIGHWAY S. BIRCHWOOD LOOP TO PETERS CREEK

SUPERELEVATION TRANSITION & APPROACH DETAILS

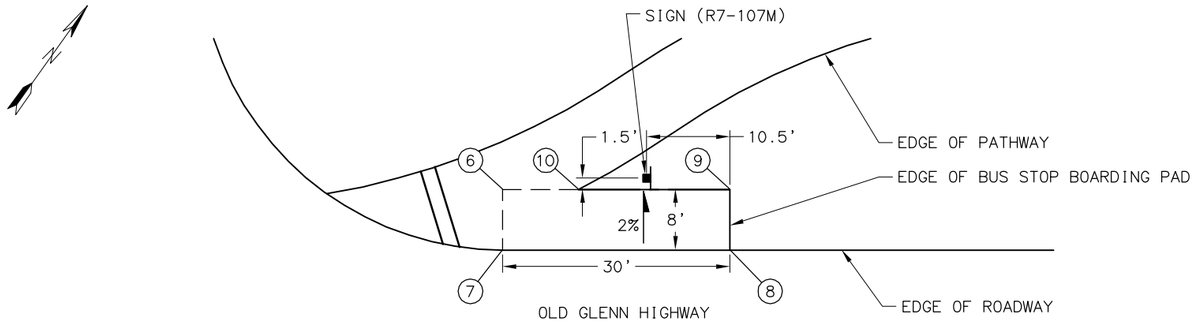
REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION					
			ALASKA	STP-0558(X)/50946	2009	E5	E12



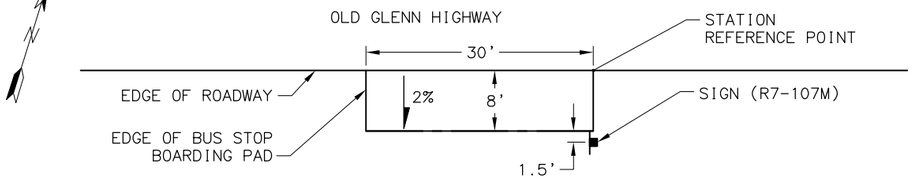
STA 323+35 LEFT



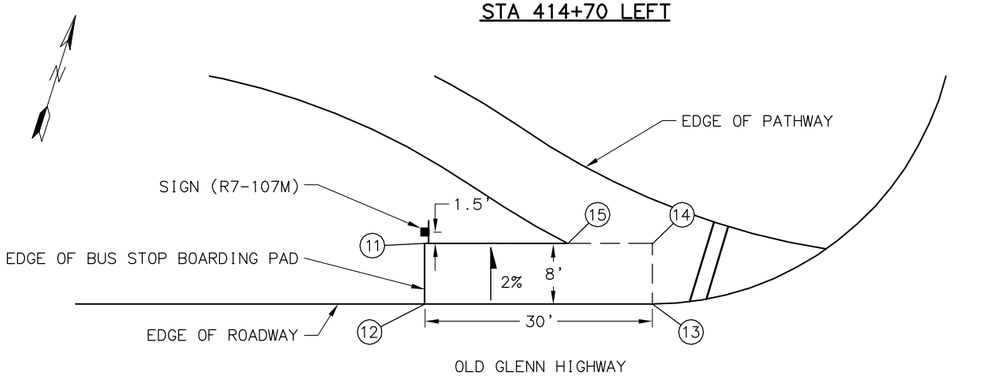
STA 325+53 RIGHT
STA 351+66 RIGHT
STA 415+03 RIGHT
STA 456+86 RIGHT



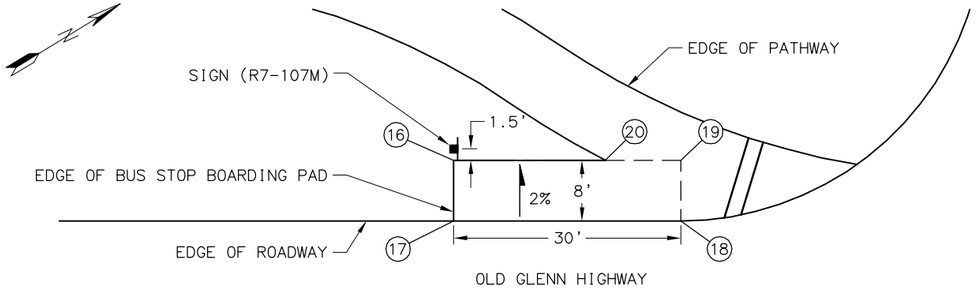
STA 414+70 LEFT



STA 434+55 RIGHT



STA 433+19 LEFT



STA 455+18 LEFT

# POINT SUMMARY TABLE			
POINT	STA.	OFFSET	DESCRIPTION
1	323+35.60	24.00 LT	EDGE OF BUS STOP BOARDING PAD
2	323+35.60	16.00 LT	EDGE OF BUS STOP BOARDING PAD
3	323+65.60	16.00 LT	EDGE OF BUS STOP BOARDING PAD
4	323+65.60	24.00 LT	PROJECTED EDGE OF BUS STOP BOARDING PAD
5	323+55.60	24.00 LT	EDGE OF BUS STOP BOARDING PAD
6	414+70.00	24.00 LT	PROJECTED EDGE OF BUS STOP BOARDING PAD
7	414+70.00	16.00 LT	EDGE OF BUS STOP BOARDING PAD
8	415+00.00	16.00 LT	EDGE OF BUS STOP BOARDING PAD
9	415+00.00	24.00 LT	EDGE OF BUS STOP BOARDING PAD
10	414+79.96	24.00 LT	EDGE OF BUS STOP BOARDING PAD
11	433+19.18	24.00 LT	EDGE OF BUS STOP BOARDING PAD
12	433+19.18	16.00 LT	EDGE OF BUS STOP BOARDING PAD
13	433+49.18	16.00 LT	EDGE OF BUS STOP BOARDING PAD
14	433+49.18	24.00 LT	PROJECTED EDGE OF BUS STOP BOARDING PAD
15	433+38.04	24.00 LT	EDGE OF BUS STOP BOARDING PAD
16	455+18.00	24.00 LT	EDGE OF BUS STOP BOARDING PAD
17	455+18.00	16.00 LT	EDGE OF BUS STOP BOARDING PAD
18	455+48.00	16.00 LT	EDGE OF BUS STOP BOARDING PAD
19	455+48.00	24.00 LT	PROJECTED EDGE OF BUS STOP BOARDING PAD
20	455+38.04	24.00 LT	EDGE OF BUS STOP BOARDING PAD

NOTE:

1. CONSTRUCT BUS STOP BOARDING PADS WITH THE SAME STRUCTURAL SECTION AS THE OLD GLENN HIGHWAY EXCEPT USE ASPHALT PATHWAY PAVEMENT.

STATE OF ALASKA
49TH
JUSTIN T. KEENE
CE 11775
REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY
CRW ENGINEERING GROUP

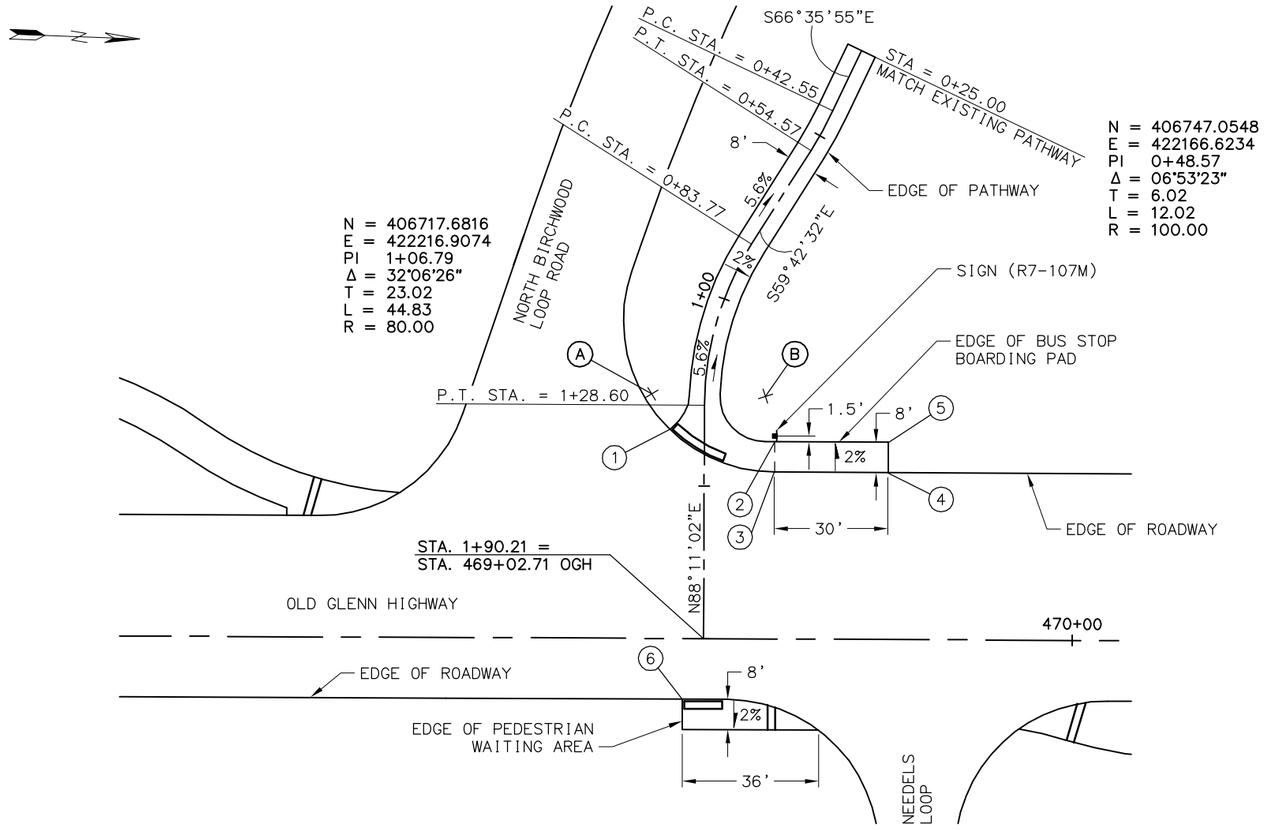
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

AMATS: OLD GLENN HIGHWAY S. BIRCHWOOD LOOP TO PETERS CREEK

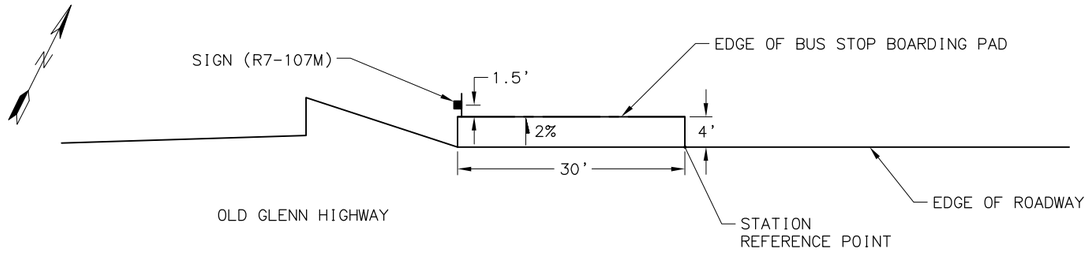
BUS STOP BOARDING PAD DETAILS

SPECIFICATIONS
SCALE: 1:10
COMPUTER DESIGNATION
PLOT SCALE: 1:1
2008busstop details.dwg
LAYOUT: E5
DESIGNED BY SMB
CHECKED BY BDM
DRAFTED BY NKG
DATE DRAFTED: 07/31/2009

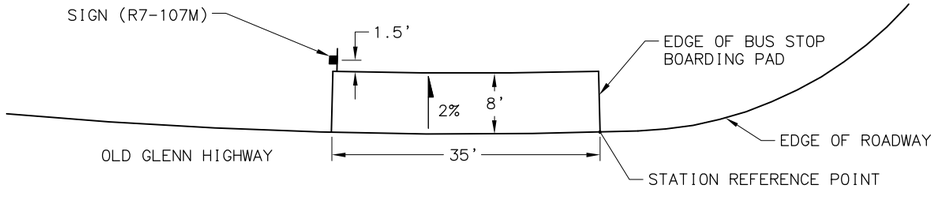
REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION					
			ALASKA	STP-0558(X)/50946	2009	E6	E12



STA 469+03

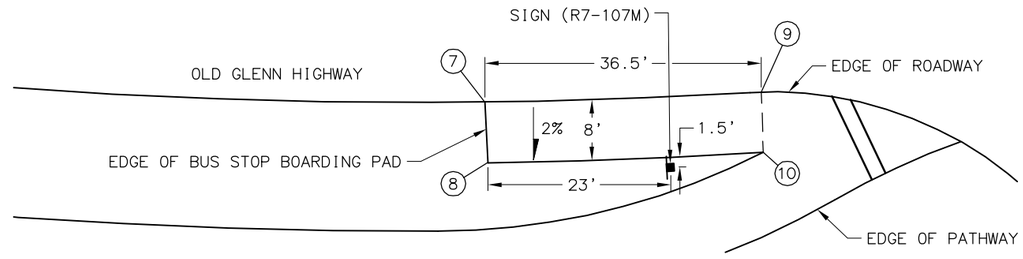


STA 514+50 LEFT



STA 526+57 LEFT

(#) POINT SUMMARY TABLE			
POINT	STA.	OFFSET	DESCRIPTION
1	468+93.60	55.09 LT	EDGE OF PATHWAY
2	469+21.24	52.00 LT	EDGE OF BUS STOP BOARDING PAD
3	469+21.24	44.00 LT	EDGE OF BUS STOP BOARDING PAD
4	469+51.24	44.00 LT	EDGE OF BUS STOP BOARDING PAD
5	469+51.24	52.00 LT	EDGE OF BUS STOP BOARDING PAD
6	468+97.21	16.00 RT	EDGE OF PEDESTRIAN WAITING AREA
7	526+47.68	16.00 RT	EDGE OF BUS STOP BOARDING PAD
8	526+47.68	24.00 RT	EDGE OF BUS STOP BOARDING PAD
9	526+83.37	16.00 RT	EDGE OF BUS STOP BOARDING PAD
10	526+83.37	24.00 RT	EDGE OF BUS STOP BOARDING PAD



STA 526+84 RIGHT

NOTE:

1. CONSTRUCT BUS STOP BOARDING PADS & PEDESTRIAN WAITING AREA WITH THE SAME STRUCTURAL SECTION AS THE OLD GLENN HIGHWAY EXCEPT USE ASPHALT PATHWAY PAVEMENT.

2. CONSTRUCT PATHWAY PER TYPICAL PATHWAY SECTION.

STATE OF ALASKA
49TH
JUSTIN T. KEENE
CE 11775
REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY
CRW ENGINEERING GROUP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

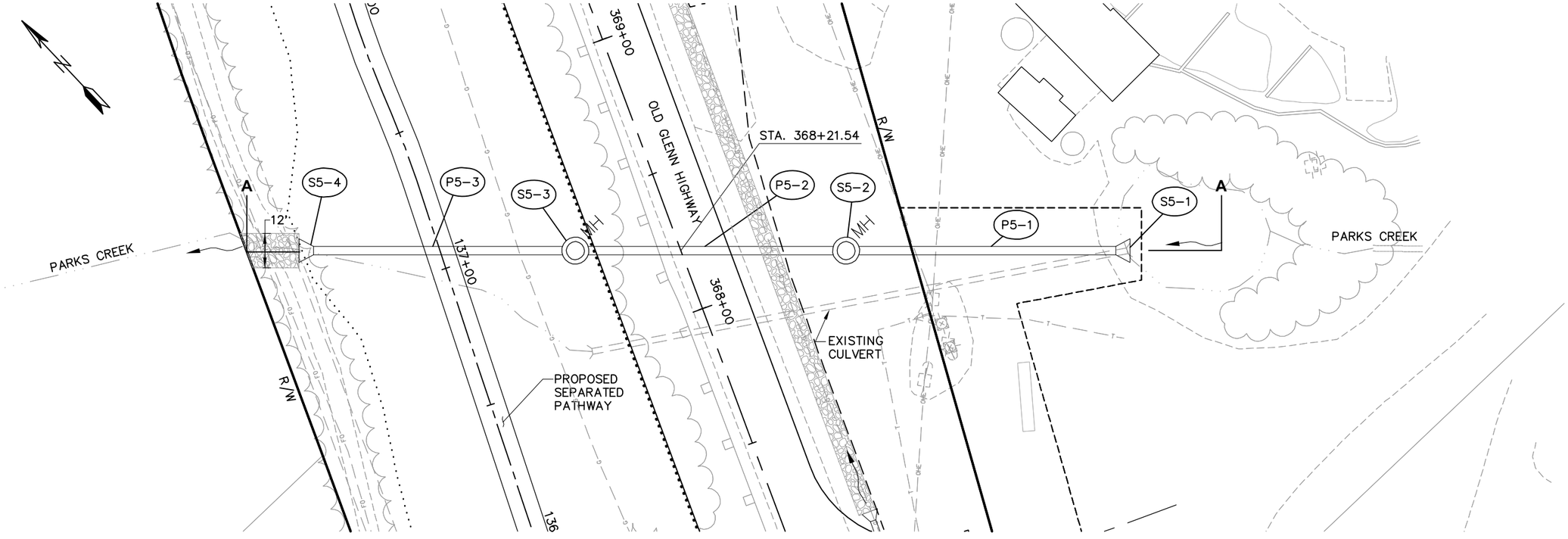
AMATS: OLD GLENN HIGHWAY S. BIRCHWOOD LOOP TO PETERS CREEK

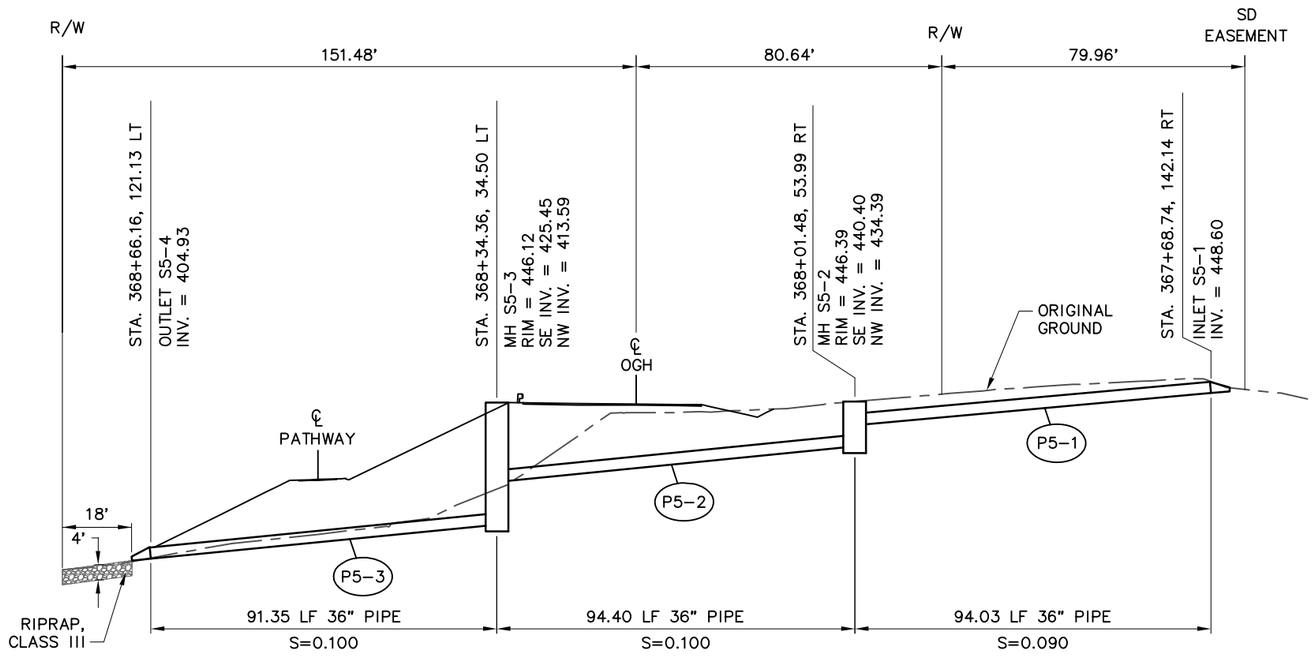
BUS STOP BOARDING PAD DETAILS

SPECIFICATIONS
SCALE: 1:10
COMPUTER DESIGNATION
PLOT SCALE: 1:1
2008busstop details.dwg
LAYOUT: E6
DESIGNED BY SMB
CHECKED BY BDM
DRAFTED BY MKG
DATE DRAFTED: 07/31/2009

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	STP-0558(x)/50946	2009	E7	E12
1	3/09	PERMIT APPLICATION					

SPECIFICATIONS		DESIGNED BY	SMB	DATE DRAFTED: 07/31/2009
SCALE:	PLOT SCALE: 1:1	CHECKED BY	BCM	
COMPUTER DESIGNATION	LAYOUT: Parks	DRAFTED BY	SMB	
	20058plan&secs.dwg			





SECTION A–A

STATE OF ALASKA
49TH
Shane M. Blanchard
CE 11519
REGISTERED PROFESSIONAL ENGINEER

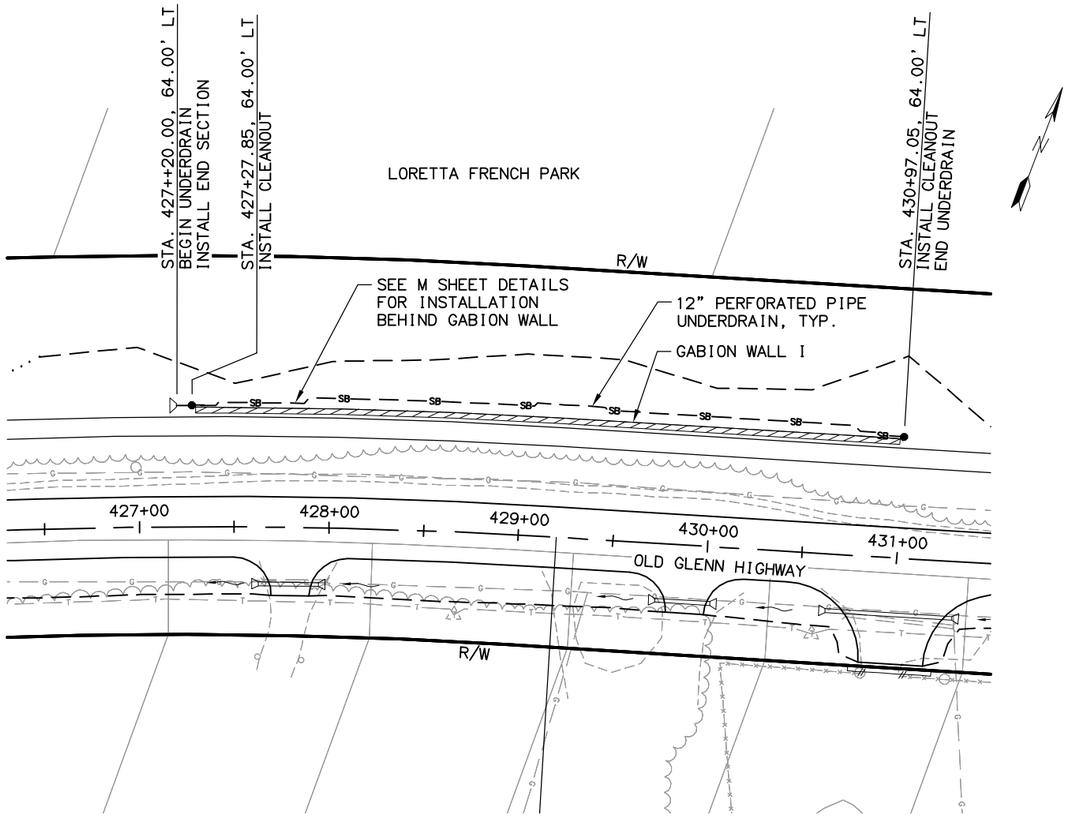
PLANS DEVELOPED BY
CRW ENGINEERING GROUP

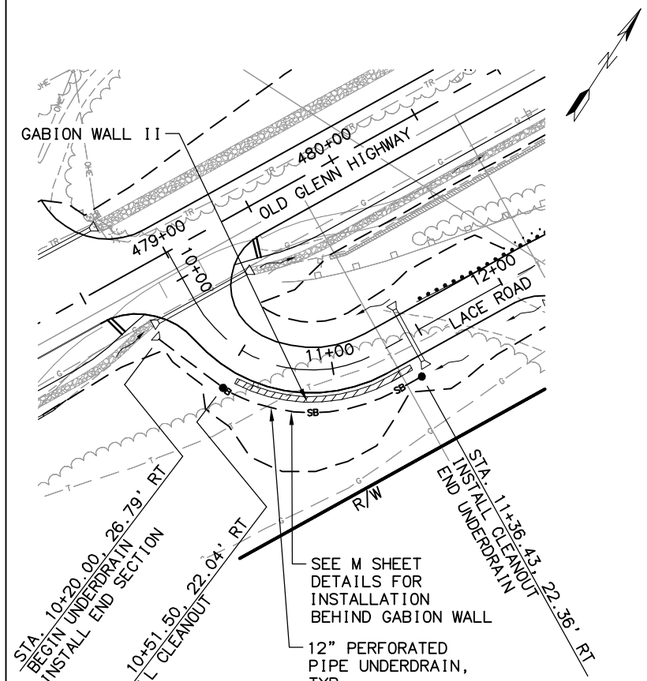
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

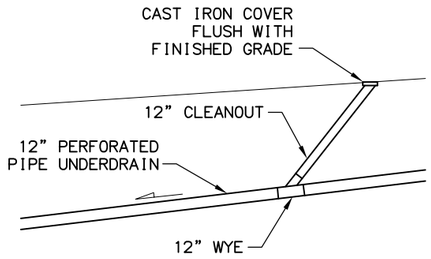
AMATS: OLD GLENN HIGHWAY S. BIRCHWOOD LOOP TO PETERS CREEK

PARKS CREEK PIPE DETAIL

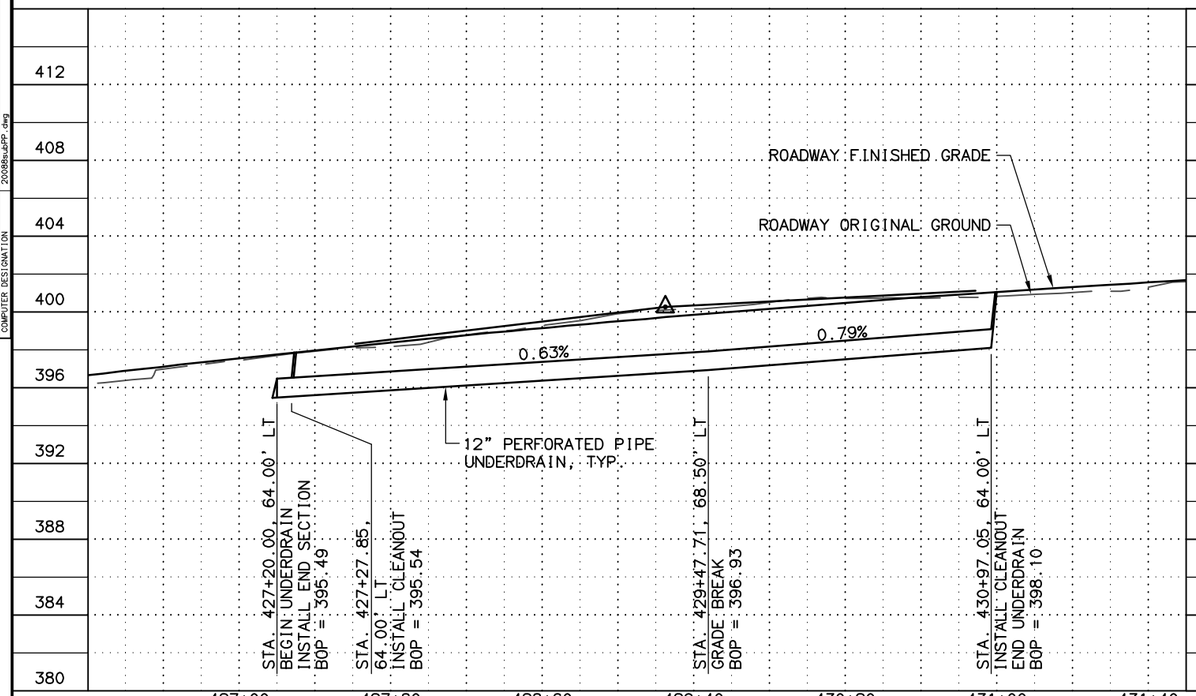
REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	STP-0558(6)/58061	2008	E8	E12

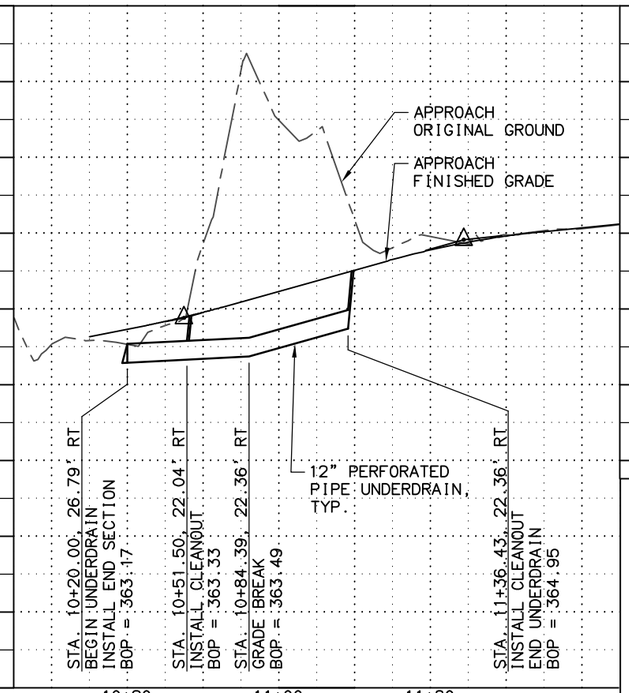






TYPICAL CLEANOUT





STATE OF ALASKA
49TH
Shane M Blanchard
CE 11519
REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY
CRW ENGINEERING GROUP

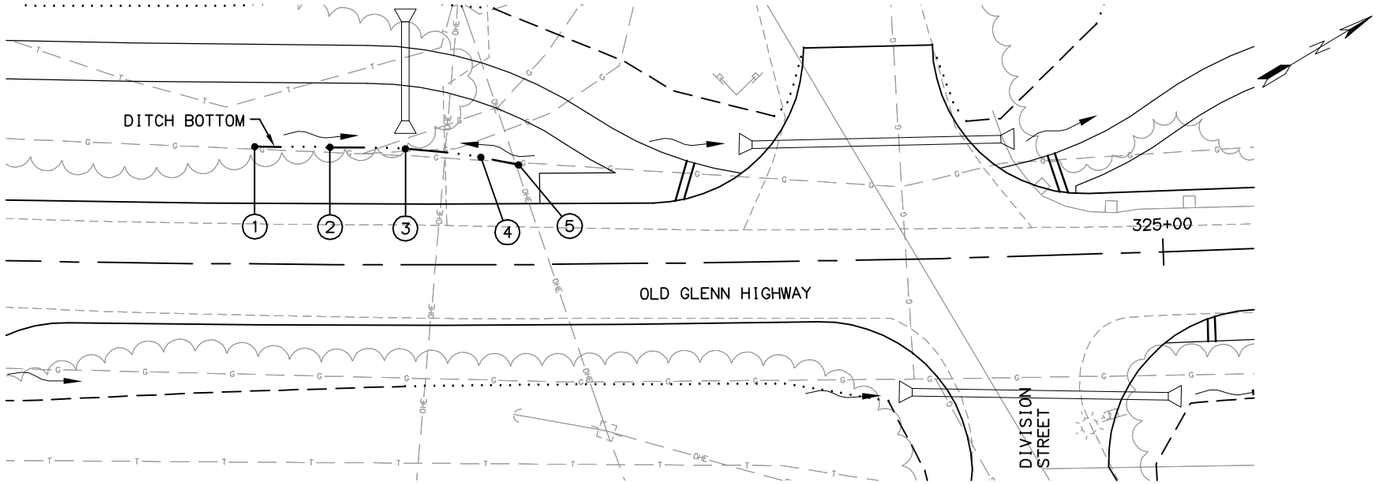
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

OLD GLENN HIGHWAY
FIRE LAKE TO
SOUTH BIRCHWOOD LP

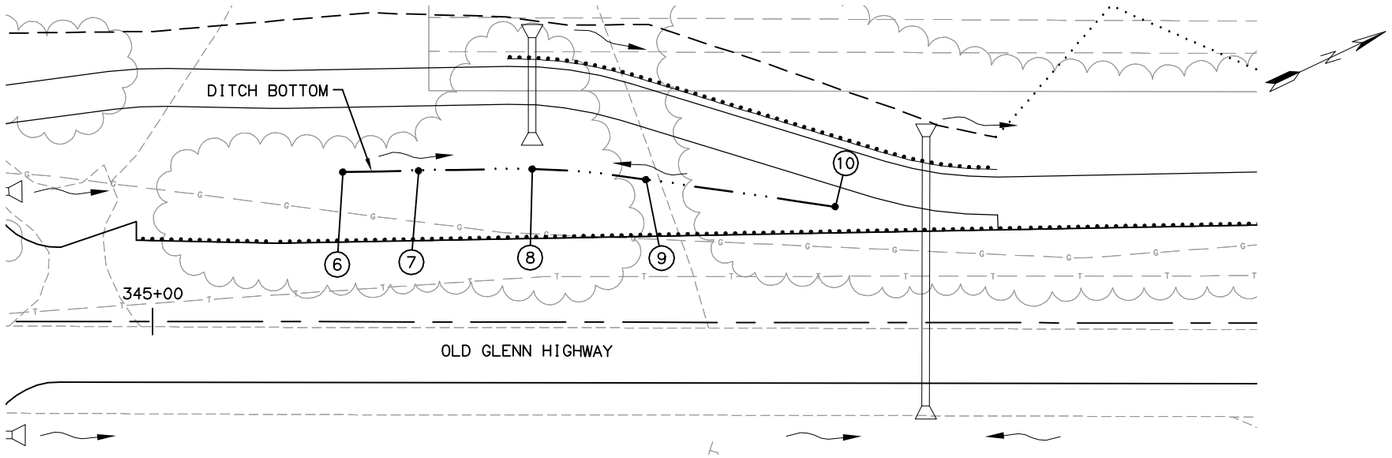
UNDERDRAIN PLAN AND PROFILE

DESIGNED BY SMB
CHECKED BY BCW
DRAFTED BY SMB
DATE DRAFTED: 07/31/2009
LAYOUT: 05
PLOT SCALE: 1:1
2008eJdPP.dwg
COMPUTER DESIGNATION
SCALE: 1:40
SPECIFICATIONS

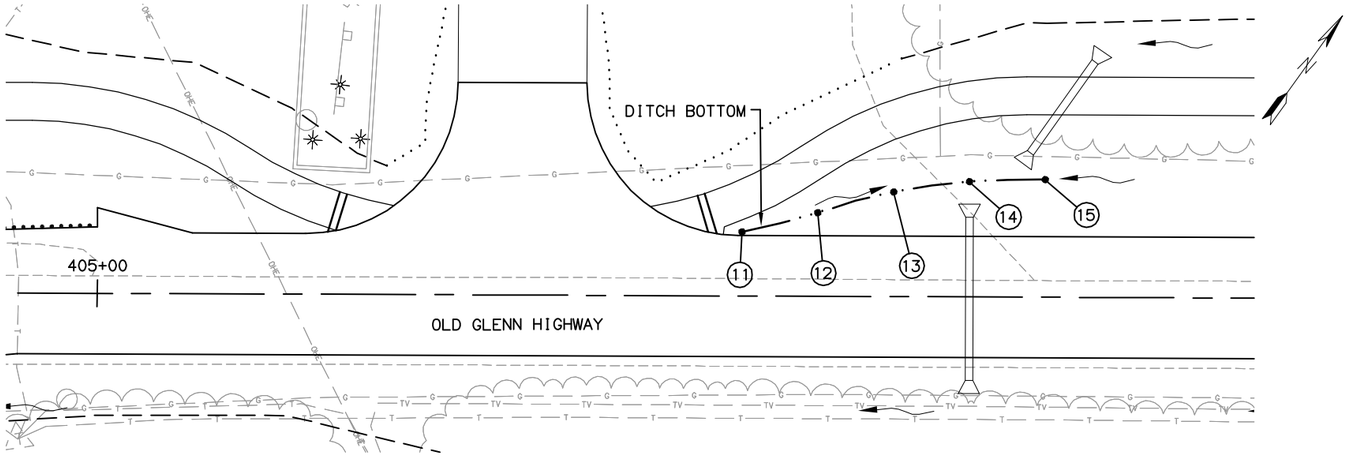
REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION					
			ALASKA	STP-0558(X)/50946	2009	E9	E12



DITCH DETAIL



DITCH DETAIL



DITCH DETAIL

DITCH ELEVATIONS

POINT	STATION	OFFSET	ELEV (FT)
1	322+60	30.96 LT	514.06
2	322+80	30.92 LT	513.85
3	323+00	30.61 LT	513.71
4	323+20	28.35 LT	513.95
5	323+30	26.29 LT	514.25
6	345+50	39.50 LT	489.66
7	345+70	39.90 LT	489.51
8	346+00	40.40 LT	489.35
9	346+30	37.62 LT	489.90
10	346+80	30.55 LT	491.37
11	406+70	16.89 LT	369.01
12	406+90	22.03 LT	358.53
13	407+10	27.57 LT	367.97
14	407+30	30.39 LT	367.95
15	407+50	31.00 LT	368.37

STATE OF ALASKA
49TH
Paul Shane M. Blanchard
CE 11519
REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY
CRW ENGINEERING GROUP

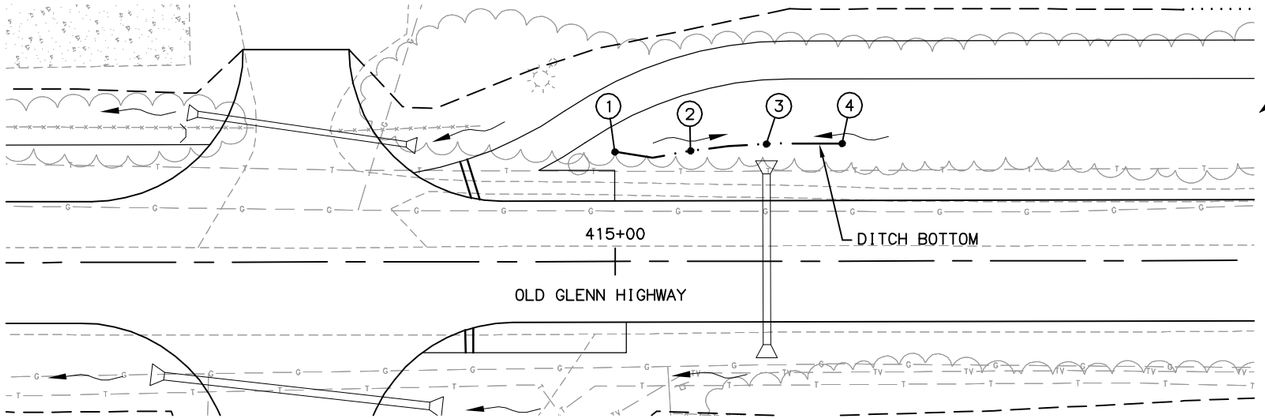
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

AMATS: OLD GLENN HIGHWAY S. BIRCHWOOD LOOP TO PETERS CREEK

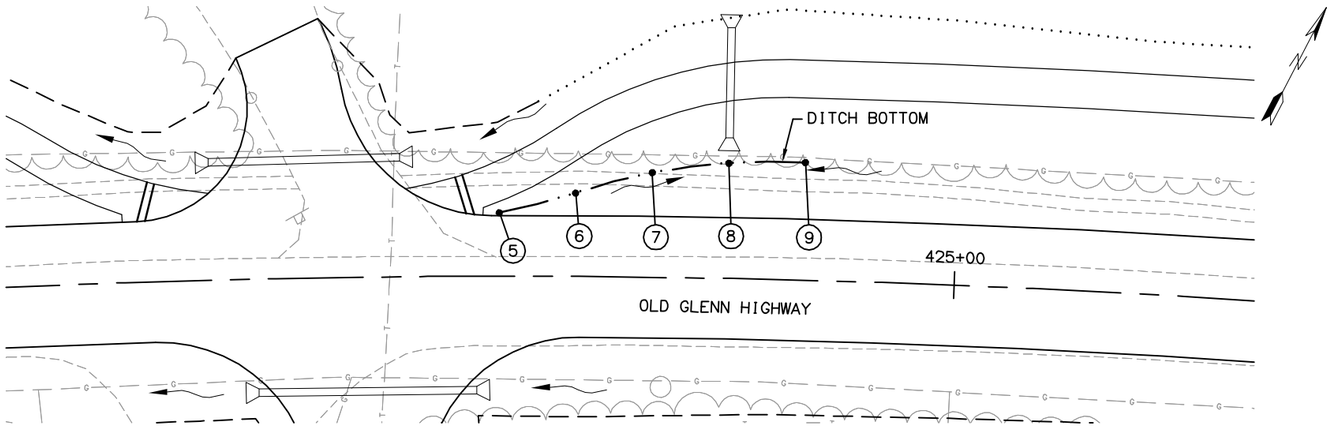
SPECIAL DITCH DETAILS

SPECIFICATIONS
SCALE: 1:20
COMPUTER DESIGNATION: 20088Special Ditch Details.dwg
PLOT SCALE: 1:1
LAYOUT: E9
DESIGNED BY: SMB
CHECKED BY: BCM
DRAFTED BY: EKH
DATE DRAFTED: 07/31/2009

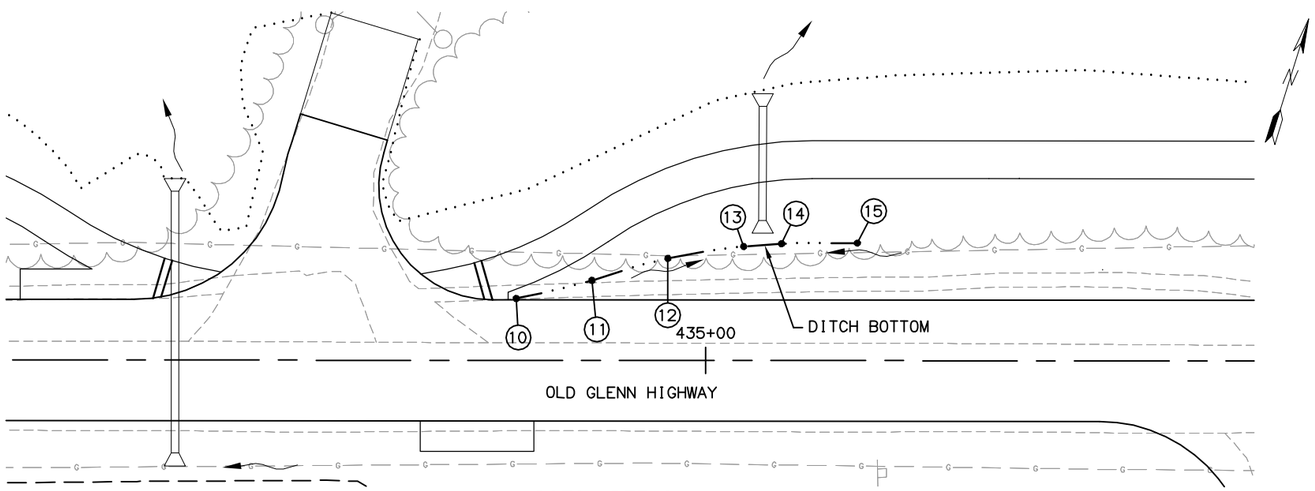
REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION					
			ALASKA	STP-0558(X)/50946	2009	E10	E12



DITCH DETAIL



DITCH DETAIL



DITCH DETAIL

DITCH ELEVATIONS

POINT	STATION	OFFSET	ELEV (FT)
1	415+00	28.90 LT	383.06
2	415+20	29.14 LT	381.82
3	415+40	30.90 LT	381.64
4	415+60	31.00 LT	381.79
5	423+80	16.74 LT	394.11
6	424+00	21.97 LT	393.43
7	424+20	27.53 LT	392.54
8	424+40	30.37 LT	392.21
9	424+60	31.00 LT	392.31
10	434+50	16.32 LT	402.91
11	434+70	21.09 LT	402.28
12	434+90	26.93 LT	401.36
13	435+10	30.12 LT	401.00
14	435+20	30.83 LT	401.03
15	435+40	31.00 LT	401.30

SPECIFICATIONS
SCALE: 1:20
COMPUTER DESIGNATION
PLOT SCALE: 1:1
2008Special Ditch Details.dwg
LAYOUT: E10
DESIGNED BY SMB
CHECKED BY BCM
DRAWN BY EKH
DATE DRAFTED: 07/31/2009

PLANS DEVELOPED BY
CRW ENGINEERING GROUP

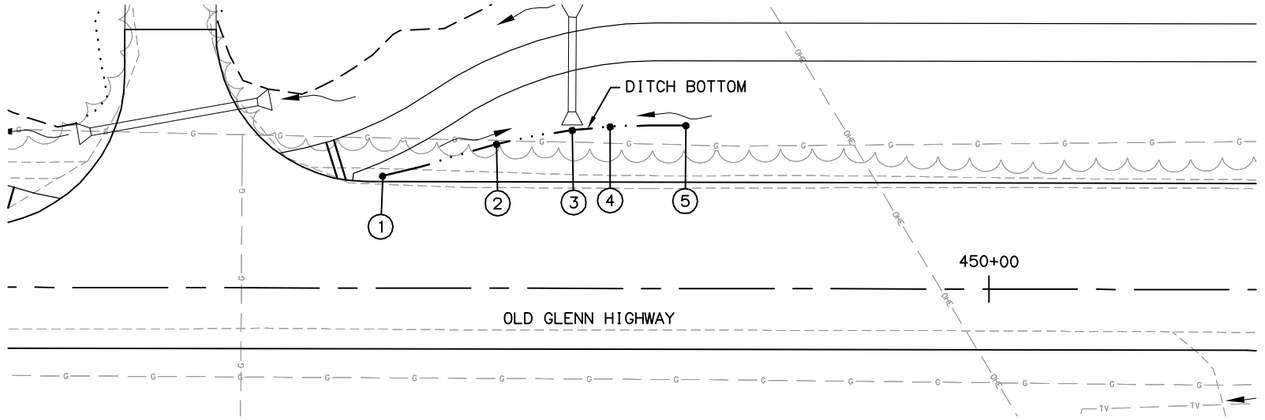
STATE OF ALASKA
Shane M. Blanchard
CE 11519
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

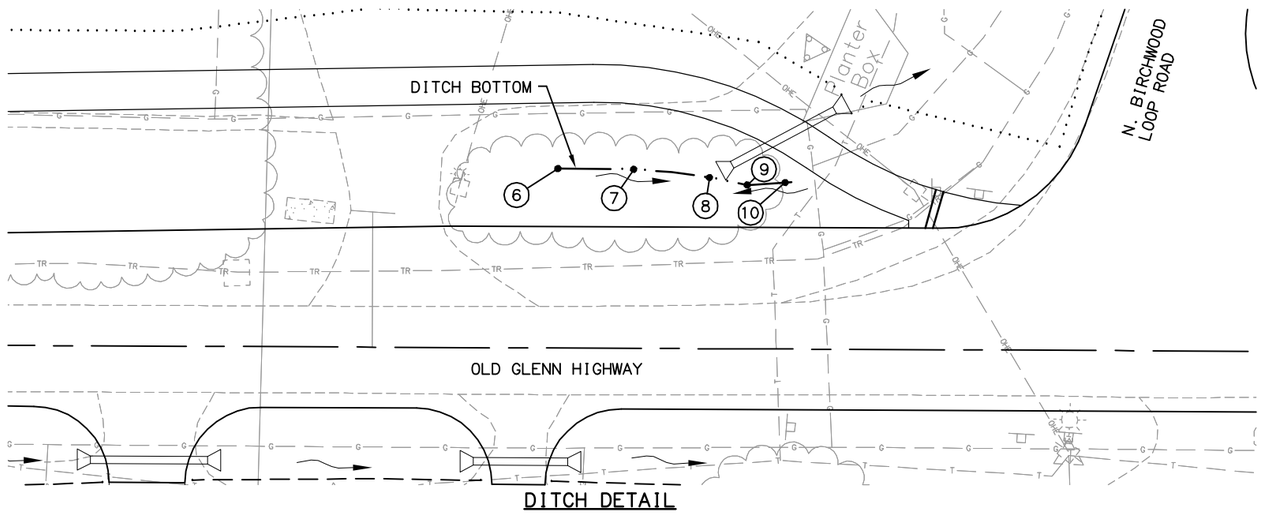
AMATS: OLD GLENN HIGHWAY S. BIRCHWOOD LOOP TO PETERS CREEK

SPECIAL DITCH DETAILS

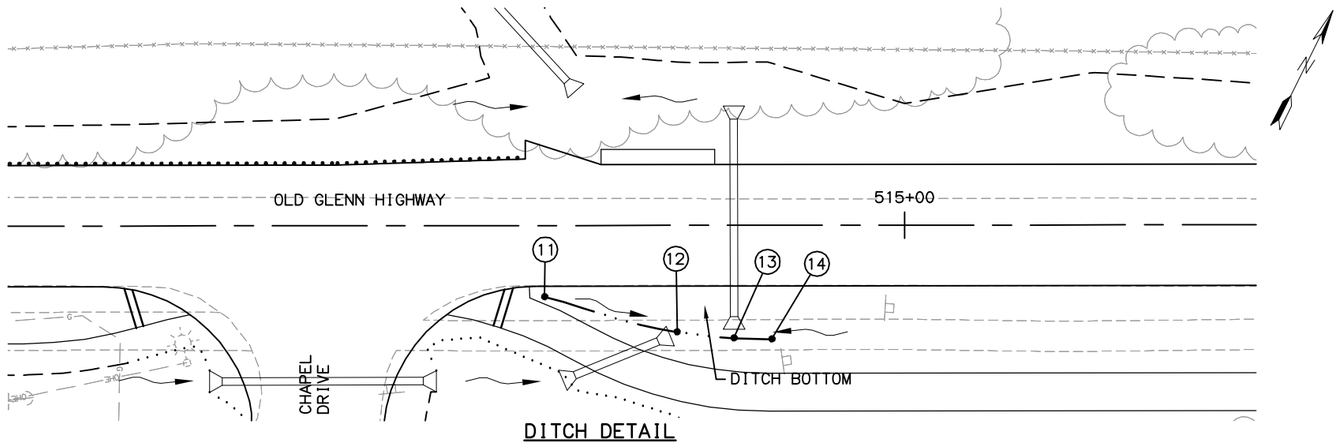
REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION					
			ALASKA	STP-0558(X)/50946	2009	E11	E12



DITCH DETAIL



DITCH DETAIL



DITCH DETAIL

DITCH ELEVATIONS

POINT	STATION	OFFSET	ELEV (FT)
1	448+40	29.50 LT	419.58
2	448+70	37.98 LT	418.59
3	448+90	41.68 LT	418.34
4	449+00	42.61 LT	418.41
5	449+20	43.00 LT	418.86
6	467+00	47.29 LT	407.61
7	467+20	47.19 LT	406.51
8	467+50	43.17 LT	406.27
9	467+40	45.12 LT	406.33
10	467+60	43.88 LT	407.22
11	514+05	18.79 RT	352.82
12	514+40	28.11 RT	350.60
13	514+55	29.73 RT	350.31
14	514+65	30.00 RT	350.41

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

AMATS: OLD GLENN HIGHWAY S. BIRCHWOOD LOOP TO PETERS CREEK

SPECIAL DITCH DETAILS

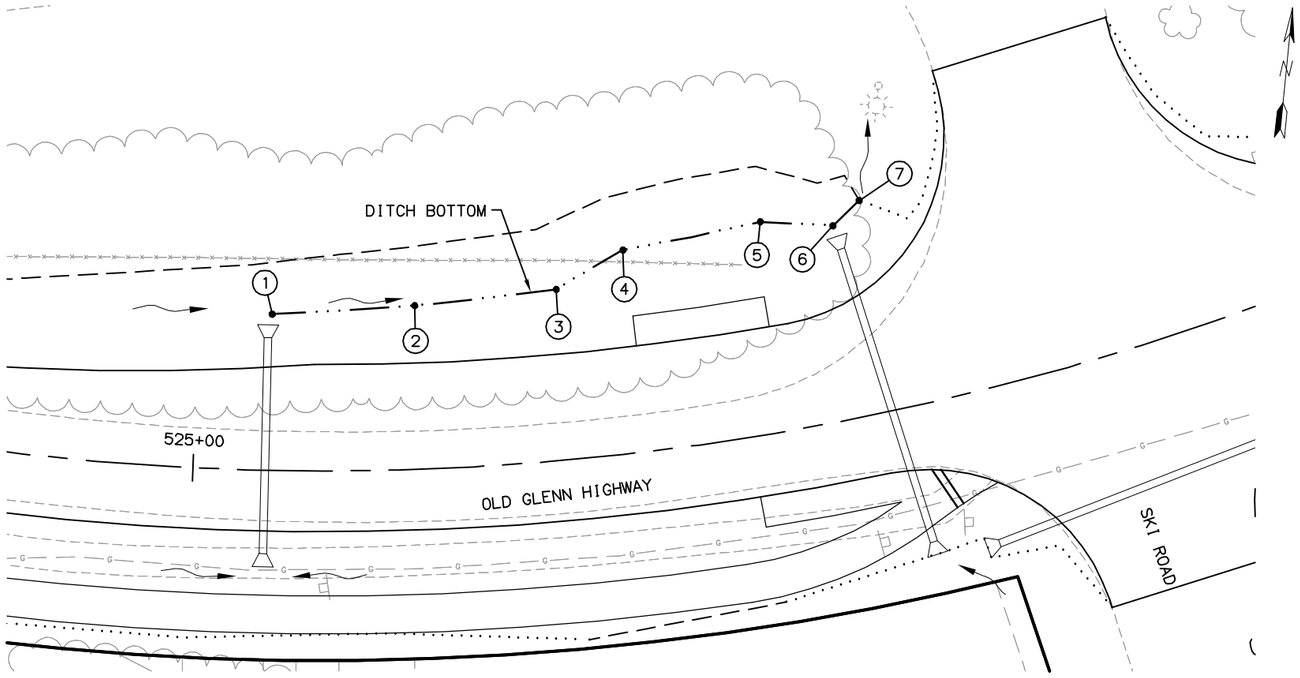
STATE OF ALASKA
49TH
Shane M. Blanchard
CE 11519
REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY
CRW ENGINEERING GROUP

SPECIFICATIONS
SCALE: 1:20
COMPUTER DESIGNATION
PLOT SCALE: 1:1
2008SSpecial Ditch Details.dwg
LAYOUT: E11
DESIGNED BY SMB
CHECKED BY BCM
DRAWN BY EKH
DATE DRAFTED: 07/31/2009

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	STP-0558(X)/50946	2009	E12	E12

SPECIFICATIONS
SCALE: 1:20
COMPUTER DESIGNATION: 25058Special Ditch Details.dwg
PLOT SCALE: 1:1
LAYOUT: E12
DESIGNED BY: SMB
CHECKED BY: BCM
DRAFTED BY: EKH
DATE DRAFTED: 07/31/2009



DITCH DETAIL

DITCH ELEVATIONS

POINT	STATION	OFFSET	ELEV (FT)
1	525+20	41.20 LT	364.47
2	525+60	43.20 LT	364.27
3	526+00	45.10 LT	364.07
4	526+40	53.60 LT	363.97
5	526+60	55.60 LT	363.77
6	526+80	51.10 LT	363.67
7	526+89	56.10 LT	363.50

STATE OF ALASKA
49TH
Shane M. Blanchard
CE 11519
REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY
CRW ENGINEERING GROUP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

AMATS: OLD GLENN HIGHWAY S. BIRCHWOOD LOOP TO PETERS CREEK

SPECIAL DITCH DETAILS

N = 395062.7746
E = 413426.6517
PI 315+33.97
Δ = 7°30'26" RT
T = 375.90
L = 750.72
R = 5729.58
S = 2.00%
RUNOUT = 31
RUNOFF = 48
% RUNOFF = 70%

A TRANS. EXCHANGE

COFFEE HUT

310+00 N25°36'29"E

315+00

OLD GLENN HIGHWAY

320+00 N33°06'55"E

P.C. STA. 320+66.48

R/W

BEGINNING OF PROJECT
STA. 314+70.00

P.C. STA. 311+58.08

GILBERT

SEWER

WELL

P.T. STA. 319+08.80

U-DO MINI STORAGE

MATCHLINE - STA. 322+50

OVERHEAD CROSSING ELEV. 534.19

BEGINNING OF PROJECT
STA. 314+70.00
ELEV. = 506.61
MATCH EXISTING

ROADWAY FINISHED GRADE

2.64%

-1.06%

V.P.I. STA. 319+87.41
ELEV. = 520.27
490' V.C.

ROADWAY ORIGINAL GROUND

535 530 525 520 515 510 505 500 495

310+00 315+00 320+00

SHEET NO.	TOTAL SHEETS
F1	F18
STATE	YEAR
ALASKA	2009

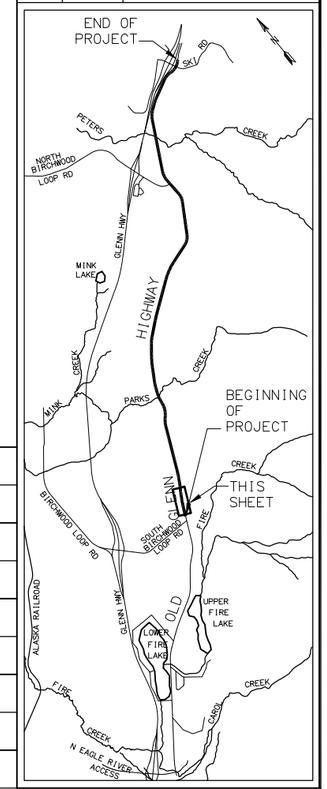
PROJECT DESIGNATION
STP-0558(X)/50946

ADDENDUM NO.

ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION



STATE OF ALASKA
49TH
BRENDAN C. McKEE
CE 8805
REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY
CRW ENGINEERING GROUP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

AMATS: OLD GLENN HIGHWAY
S. BIRCHWOOD LOOP TO
PETERS CREEK

PLAN AND PROFILE

DESIGNED BY BKM
CHECKED BY BKM
DRAFTED BY SMB
DATE DRAFTED: 07/31/09
LAYOUT: F1
PLOT SCALE: 1:1
2008SP.DWG
COMPUTER DESIGNATION
SCALE: AS SHOWN
SPECIFICATIONS

METHODIST CHURCH

N = 395847.3821
E = 413938.4304
PI 324+69.66
Δ = 8°01'23" LT
T = 403.18
L = 805.05
R = 5749.16
S = 2.00%
RUNOUT = 48
RUNOFF = 48
% RUNOFF = 70%

P.T. STA. 328+71.53

MATCHLINE - STA. 322+50

MATCHLINE - STA. 335+00

R/W

325+00

330+00

OLD GLENN HIGHWAY

DIVISION STREET

LAUGHLIN STREET

SEWER

TNT PAINTIN

OVERHEAD CROSSING ELEV. 533.96

OVERHEAD CROSSING ELEV. = 525.32

ROADWAY FINISHED GRADE

ROADWAY ORIGINAL GROUND

-1.06%

535
530
525
520
515
510
505
500
495

325+00

330+00

SHEET NO.	TOTAL SHEETS
F2	F18
STATE	YEAR
ALASKA	2009

PROJECT DESIGNATION

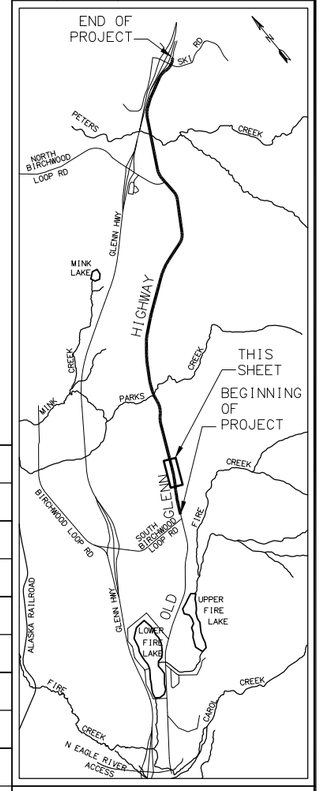
STP-0558(X)/50946

ADDENDUM NO.

ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION



STATE OF ALASKA
49TH
BRENDAN C. McKEE
CE 8805
REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY
CRW ENGINEERING GROUP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

AMATS: OLD GLENN HIGHWAY S. BIRCHWOOD LOOP TO PETERS CREEK

PLAN AND PROFILE

DESIGNED BY BDM
CHECKED BY BDM
DRAFTED BY SMB
DATE DRAFTED: 07/31/09
LAYOUT: F2
PLOT SCALE: 1:1
2008SPP.DWG
COMPUTER DESIGNATION
SCALE: 1" = 1'
SPECIFICATIONS

SHEET NO.	TOTAL SHEETS
F3	F18
STATE	YEAR
ALASKA	2009

PROJECT DESIGNATION

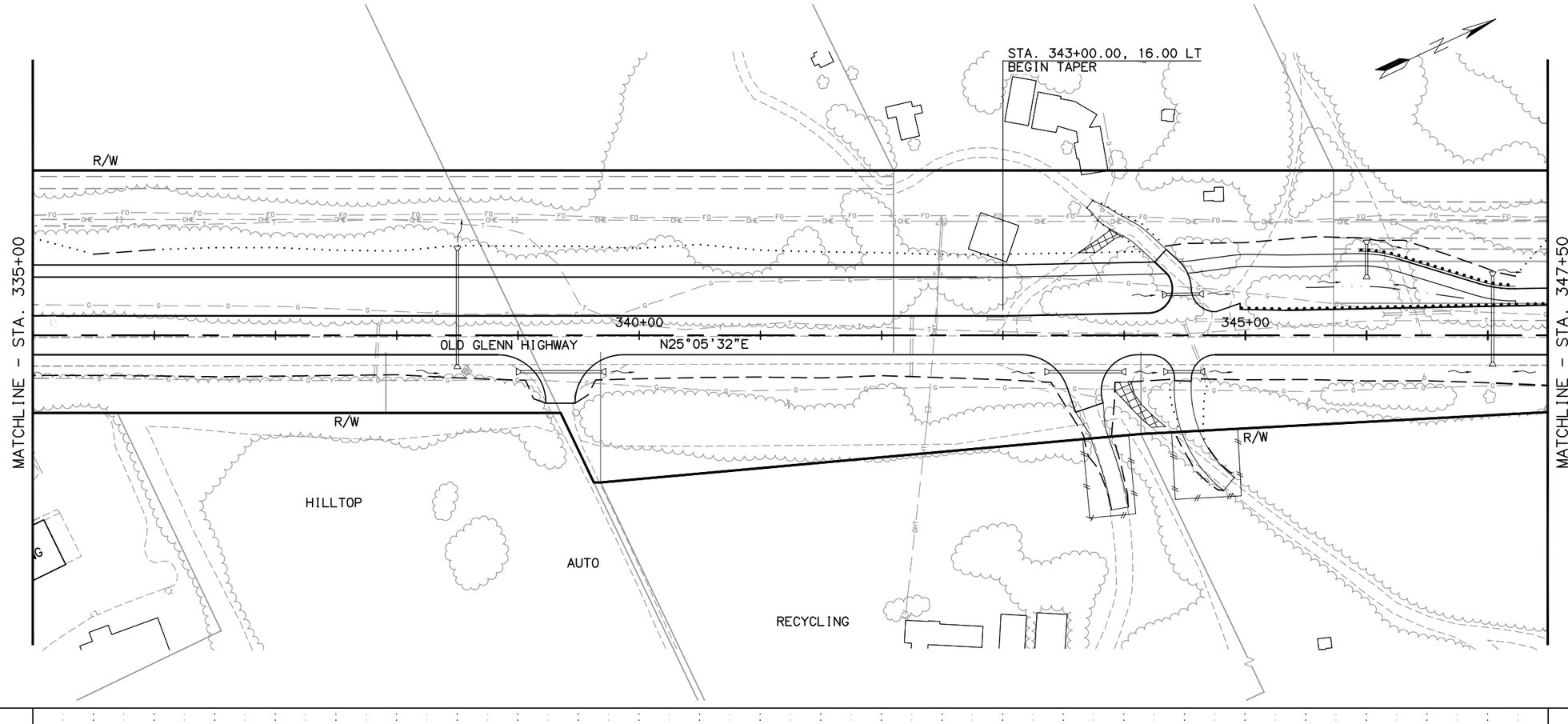
STP-0558(X)/50946

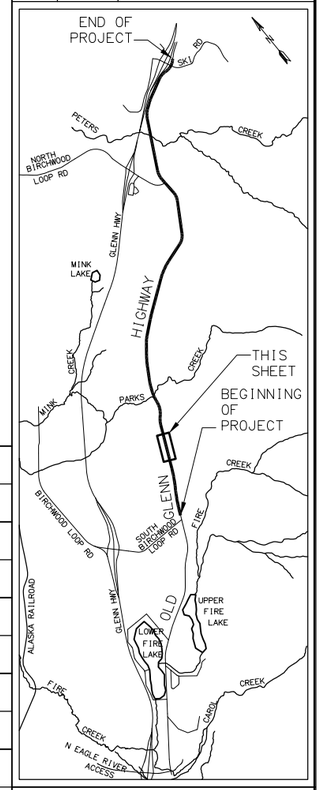
ADDENDUM NO.

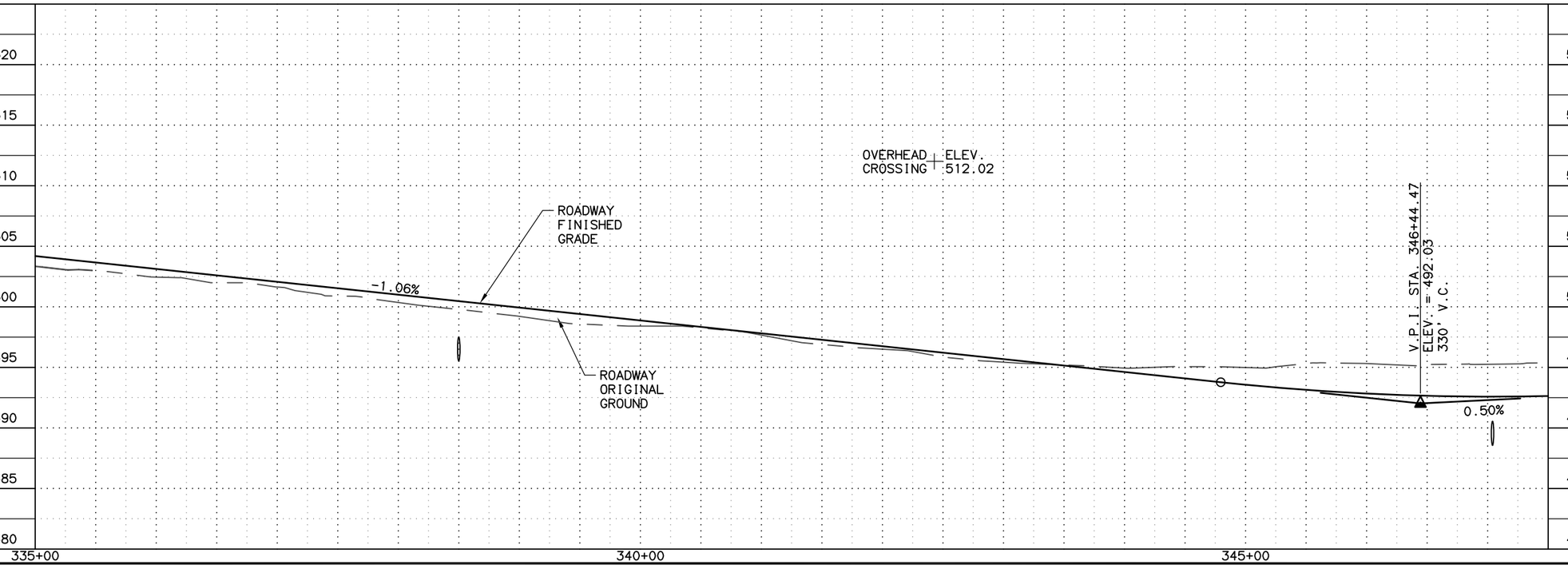
ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION







STATE OF ALASKA
49TH
BRENDAN C. McKEE
CE 8805
REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY
CRW ENGINEERING GROUP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

AMATS: OLD GLENN HIGHWAY S. BIRCHWOOD LOOP TO PETERS CREEK

PLAN AND PROFILE

DESIGNED BY: BDM
CHECKED BY: BMH
DRAFTED BY: SMD
DATE DRAFTED: 07/31/09
LAYOUT: F3
PLOT SCALE: 1:1
2008SP-1.DWG
SPECIFICATIONS
SCALE: 1"=1'
COMPUTER DESIGNATION

STA. 349+00.00, 28.00 LT
END TAPER

FIRE STATION

R/W

MATCHLINE - STA. 347+50

350+00

OLD GLENN HIGHWAY

R/W

BOAT HULL

P.C. STA. 349+92.74

FUJI GIFTS

N = 398277.4381
E = 415076.3532
PI 351+51.63
Δ = 17°07'30" RT
T = 158.90
L = 315.43
R = 1055.33
S = 5.8%

P.C.	P.T.
RUNOUT = 72	RUNOUT = 0
RUNOFF = 209	RUNOFF = 209
% RUNOFF = 80%	% RUNOFF = 35%

P.T. STA. 353+08.16

MOOSE HORN BLDG.

N42°13'02"E

355+00

P.C. STA. 354+52.57

N = 398772.5073
E = 415525.5268
PI 358+17.73
Δ = 33°51'00" LT
T = 365.16
L = 708.95
R = 1200.00
S = 5.5%

P.C.	P.T.
RUNOUT = 0	RUNOUT = 0
RUNOFF = 198	RUNOFF = 198
% RUNOFF = 35%	% RUNOFF = 11%

R/W

R/W

R/W

R/W

MATCHLINE - STA. 360+00

S

OVERHEAD CROSSING ELEV. 509.35

ROADWAY FINISHED GRADE

0.50%

ROADWAY ORIGINAL GROUND

V.P.I. STA. 356+77.69
ELEV. = 497.19
1000' V.C.

-4.44%

515 510 505 500 495 490 485 480 475

350+00 355+00 360+00

SHEET NO.	TOTAL SHEETS
F4	F18
STATE	YEAR
ALASKA	2009

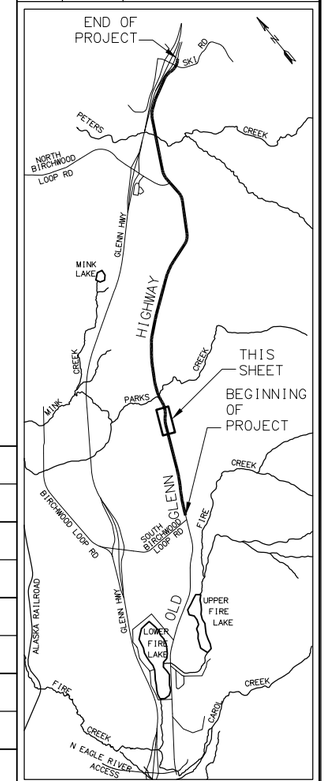
PROJECT DESIGNATION
STP-0558(X)/50946

ADDENDUM NO.

ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION



STATE OF ALASKA
49TH
BRENDAN C. McKEE
CE 8805
REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY
CRW ENGINEERING GROUP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

AMATS: OLD GLENN HIGHWAY
S. BIRCHWOOD LOOP TO
PETERS CREEK

PLAN AND PROFILE

DESIGNED BY	BDM
CHECKED BY	BDM
DRAFTED BY	SMB
DATE DRAFTED:	07/31/09
LAYOUT:	F4
PLOT SCALE:	1:1
2008SP.DWG	
SPECIFICATIONS	
SCALES	
COMPUTER DESIGNATION	

SHEET NO.	TOTAL SHEETS
F5	F18
STATE	YEAR
ALASKA	2009

PROJECT DESIGNATION

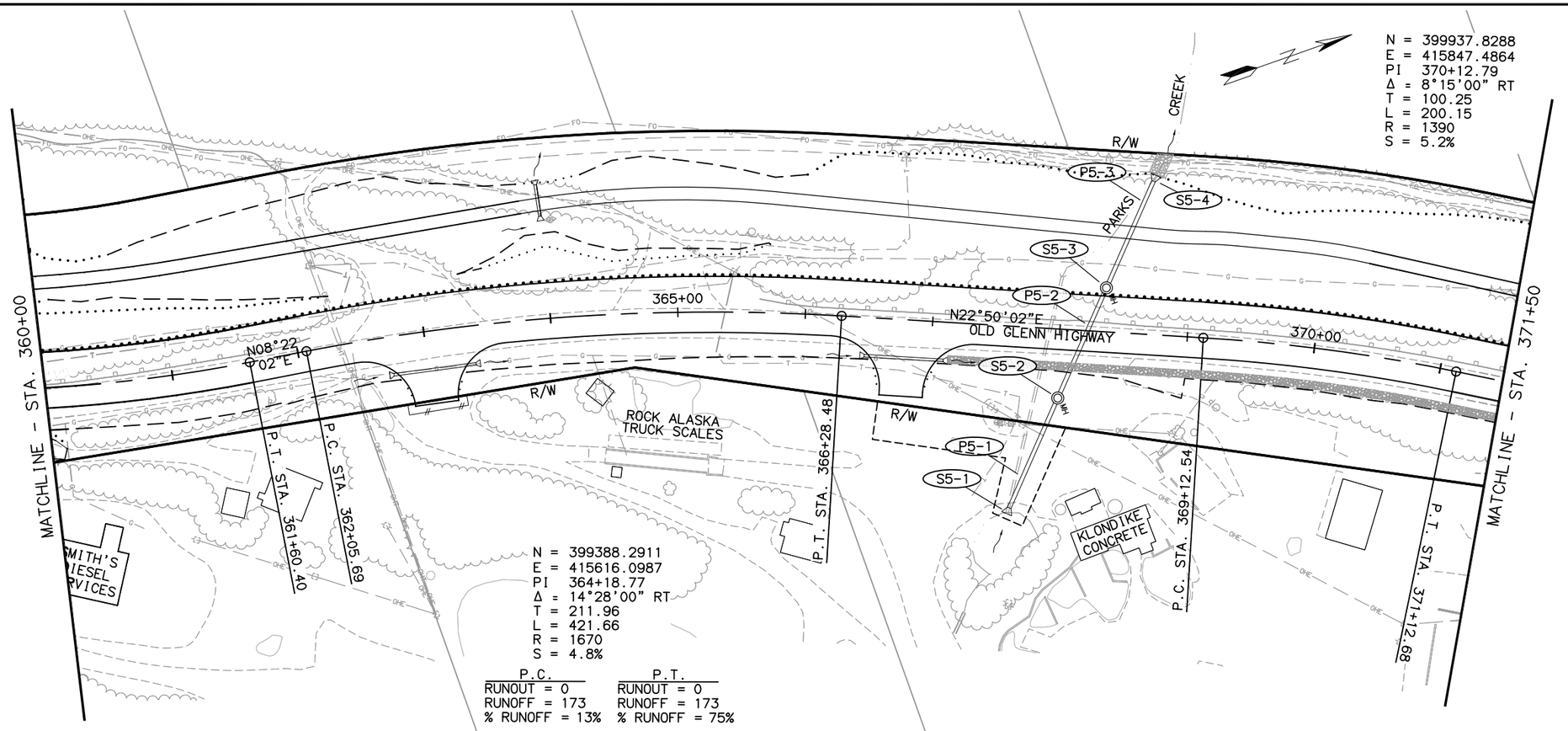
STP-0558(X)/50946

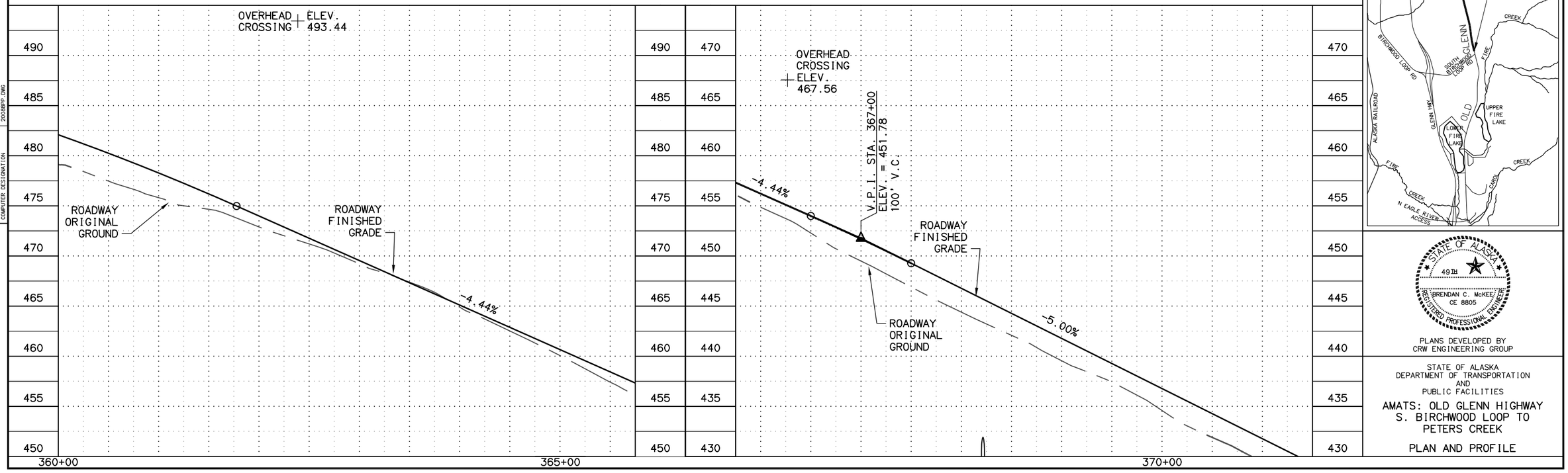
ADDENDUM NO.

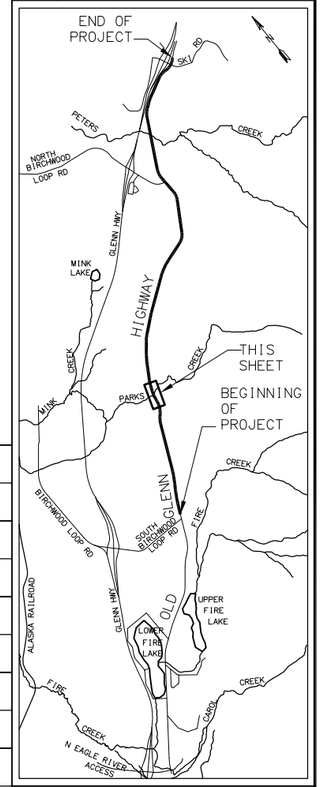
ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION







STATE OF ALASKA
491H
BRENDAN C. McKEE
CE 8805
REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY
CRW ENGINEERING GROUP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

AMATS: OLD GLENN HIGHWAY
S. BIRCHWOOD LOOP TO
PETERS CREEK

PLAN AND PROFILE

DESIGNED BY	BCM
CHECKED BY	BCM
DRAFTED BY	SMD
DATE DRAFTED:	07/31/09
LAYOUT:	F5
PLOT SCALE:	1:1
2008SHP.DWG	
SPECIFICATIONS	
SCALE:	1" = 1'
COMPUTER DESIGNATION	

P.C.	P.T.
RUNOUT = 0	RUNOUT = 72
RUNOFF = 187	RUNOFF = 187
% RUNOFF = 80%	% RUNOFF = 80%

STA. 374+00.00, 28.00' LT
BEGIN TAPER

STA. 377+00.00, 16.00' LT
END TAPER

N = 400846.9469
E = 416407.6116
PI 380+97.34
Δ = 7°48'00" RT
T = 252.24
L = 503.70
R = 3700.00
S = 2.9%
RUNOUT = 48
RUNOFF = 70
% RUNOFF = 70%

MATCHLINE - STA. 371+50

MATCHLINE - STA. 383+00

R/W

R/W

375+00

380+00

OLD GLENN HIGHWAY N31°05'02"E

P.C. STA. 378+45.09

OHE

OHE

OHE

SHEET NO.	TOTAL SHEETS
F7	F18
STATE	YEAR
ALASKA	2009

PROJECT DESIGNATION

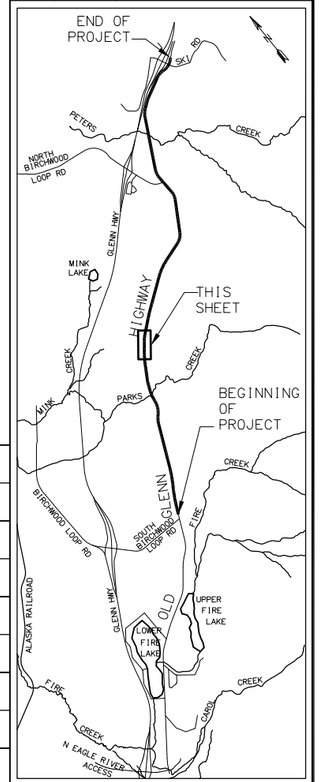
STP-0558(X)/50946

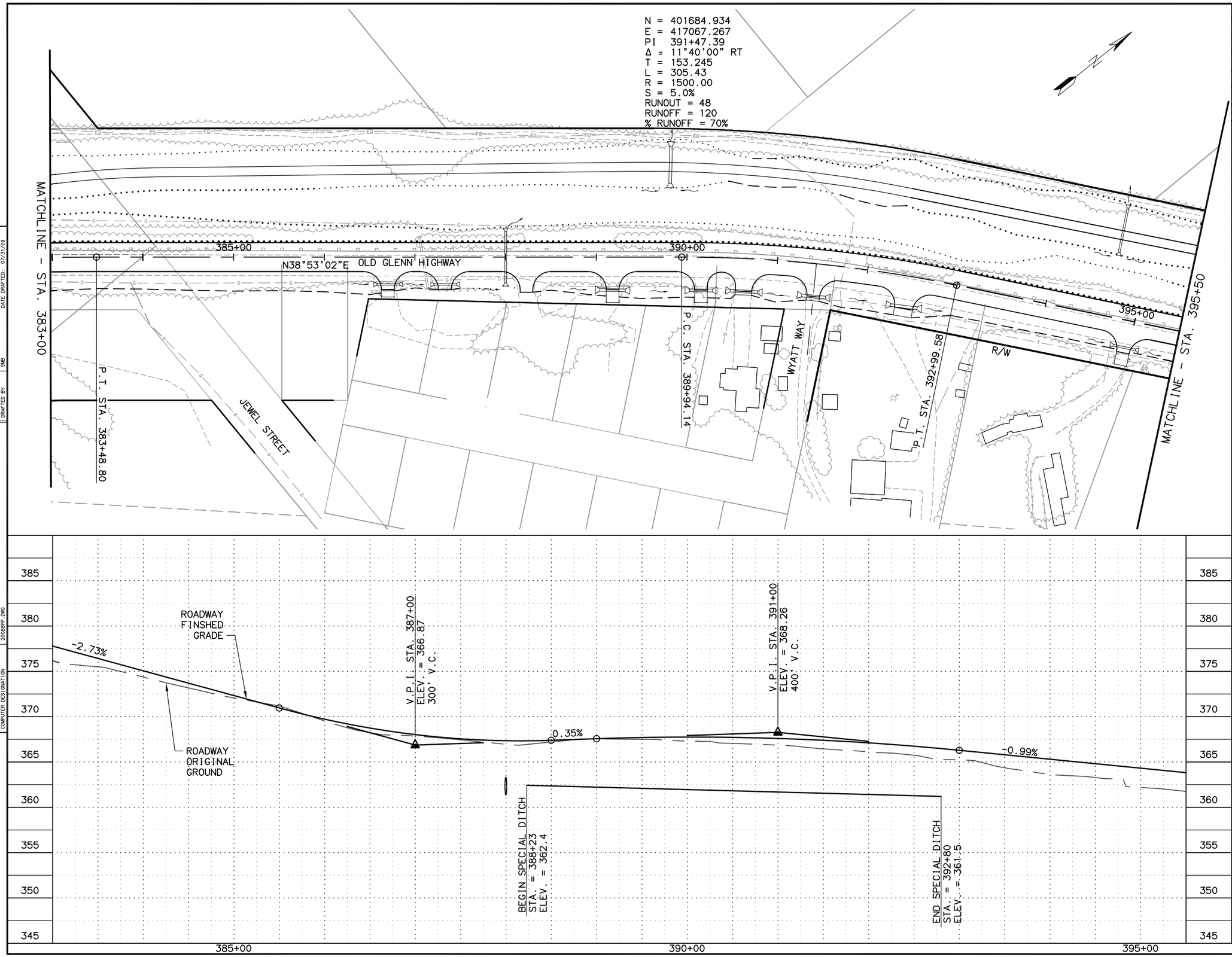
ADDENDUM NO.

ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION





STATE OF ALASKA
49TH
BRENDAN C. McKEE
CE 8805
REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY
CRW ENGINEERING GROUP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

AMATS: OLD GLENN HIGHWAY S. BIRCHWOOD LOOP TO PETERS CREEK

PLAN AND PROFILE

DESIGNED BY	BKM
CHECKED BY	BKM
DRAFTED BY	SMB
DATE DRAFTED:	07/31/09
LAYOUT:	F7
PLOT SCALE:	1:1
	200SBP.DWG
SPECIFICATIONS	
SCALES	
COMPUTER DESIGNATION	

N = 402280.2981
E = 417790.8014
PI 400+83.32
Δ = 3°49'00" RT
T = 139.94
L = 279.78
R = 4200.00
S = 2.6%
RUNOUT = 48
RUNOFF = 62
% RUNOFF = 70

MATCHLINE - STA. 395+50

P.C. STA. 399+43.38

R/W

400+00

N50°33'02"E

OLD GLENN HIGHWAY

405+00

LUTHERAN CHURCH

P.T. STA. 402+23.16

MATCHLINE - STA. 408+00

OVERHEAD ELEV. CROSSING 392.22

V.P.I. STA. 396+50
ELEV. = 362.84
165' V.C.

V.P.I. STA. 403+00
ELEV. = 359.43
490' V.C.

-0.52%

2.73%

ROADWAY ORIGINAL GROUND

ROADWAY FINISHED GRADE

390 385 380 375 370 365 360 355 350

400+00 405+00

SHEET NO.	TOTAL SHEETS
F8	F18
STATE	YEAR
ALASKA	2009

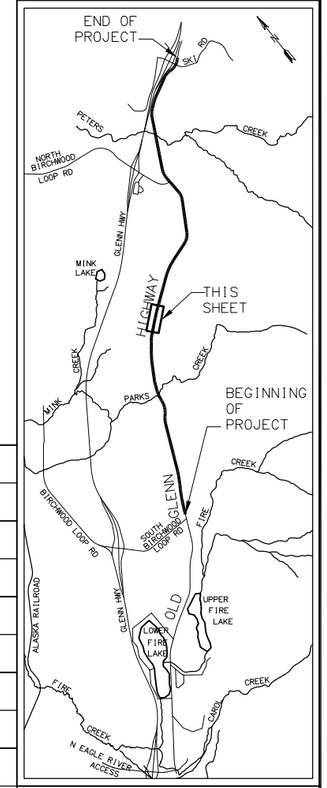
PROJECT DESIGNATION
STP-0558(X)/50946

ADDENDUM NO.

ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION



STATE OF ALASKA
49TH
BRENDAN C. McKEE
CE 8805
REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY
CRW ENGINEERING GROUP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

AMATS: OLD GLENN HIGHWAY
S. BIRCHWOOD LOOP TO
PETERS CREEK

PLAN AND PROFILE

DESIGNED BY BDM
CHECKED BY BMM
DRAFTED BY SMB
DATE DRAFTED: 07/31/09

LAYOUT: F8
PLOT SCALE: 1:1
2008SP.DWG

SPECIFICATIONS
SCALE: 1" = 10'
COMPUTER DESIGNATION

SHEET NO.	TOTAL SHEETS
F9	F18
STATE	YEAR
ALASKA	2009

PROJECT DESIGNATION

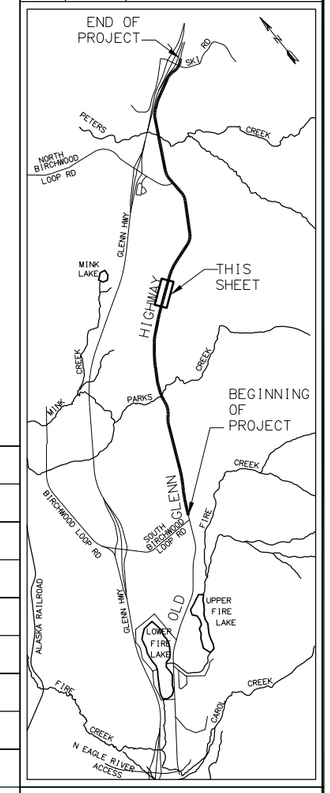
STP-0558(X)/50946

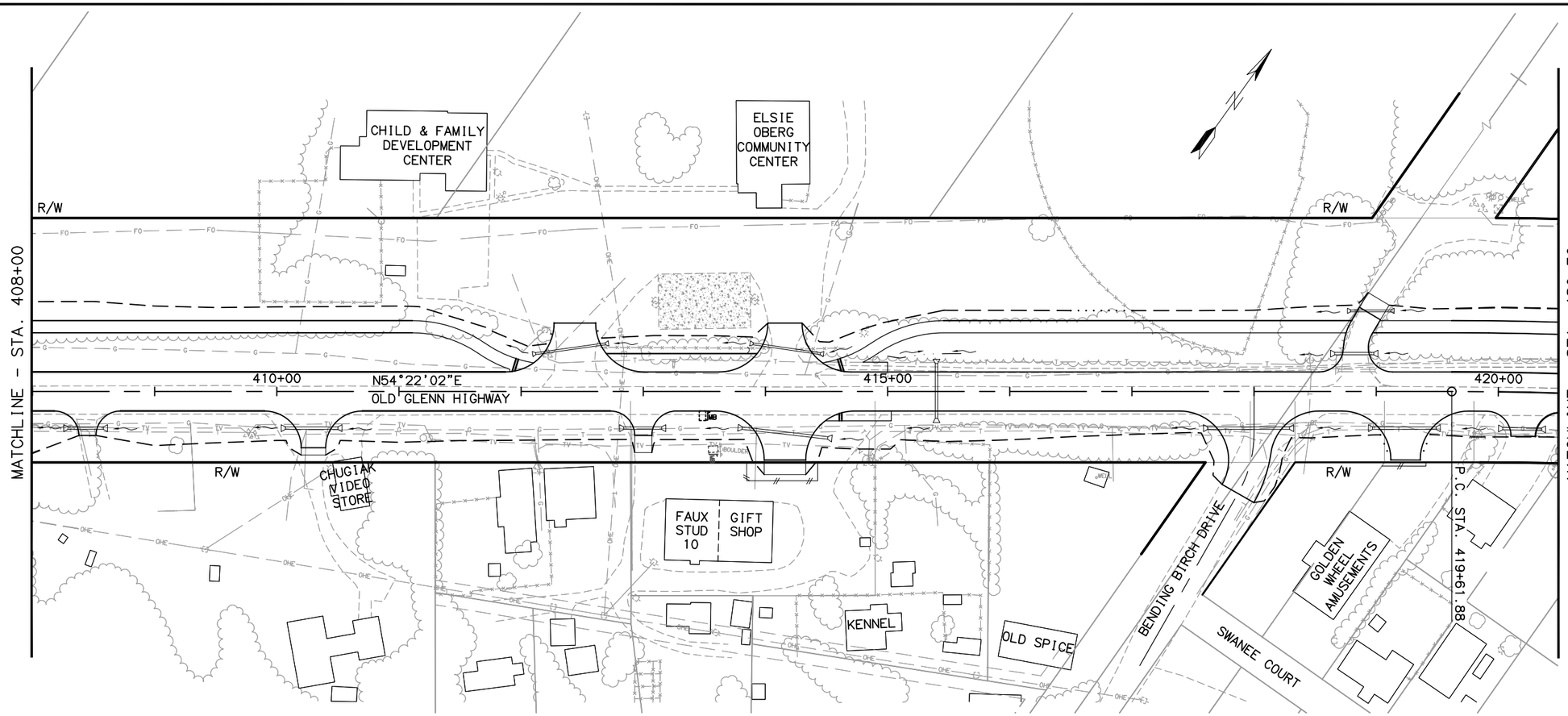
ADDENDUM NO.

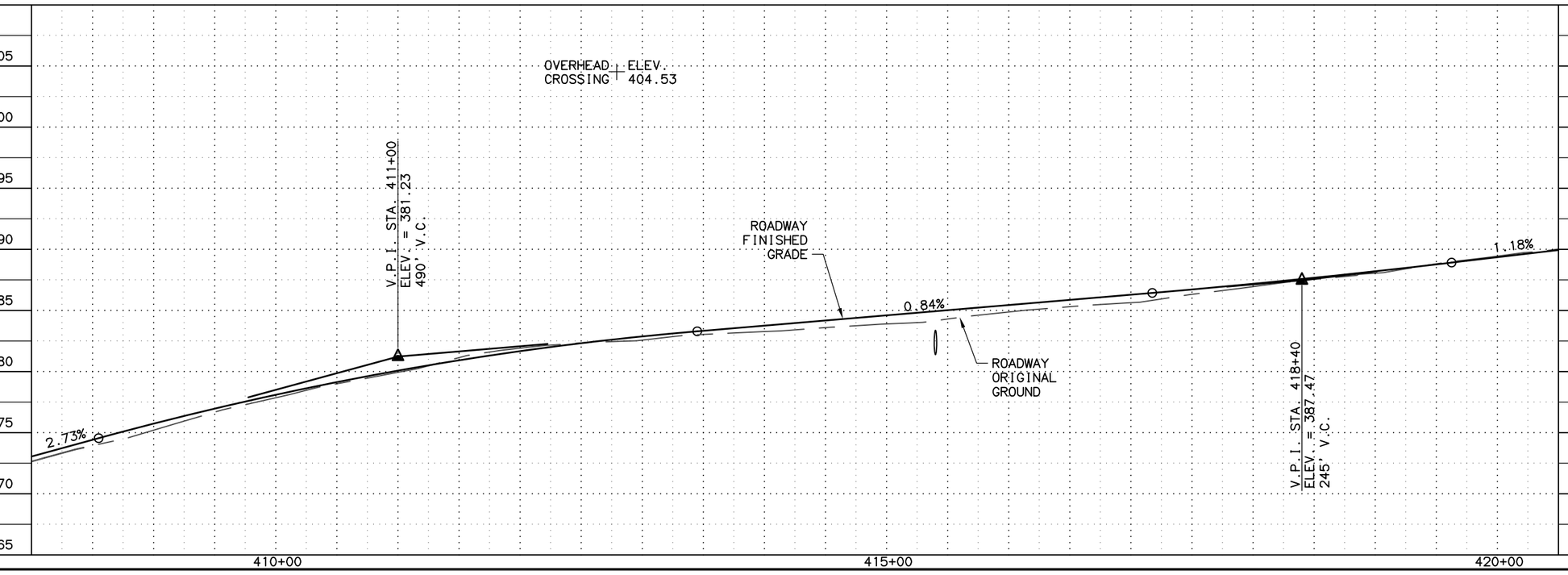
ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION







STATE OF ALASKA
49TH
BRENDAN C. McKEE
CE 8805
REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY
CRW ENGINEERING GROUP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

AMATS: OLD GLENN HIGHWAY S. BIRCHWOOD LOOP TO PETERS CREEK

PLAN AND PROFILE

DESIGNED BY: BCM
CHECKED BY: BCM
DRAFTED BY: SMD
DATE DRAFTED: 07/31/09
LAYOUT: F9
PLOT SCALE: 1:1
2008SPF.DWG
SPECIFICATIONS
SCALE: 1" = 100'
COMPUTER DESIGNATION

N = 403656.2917
E = 419710.4511
PI 424+45.09
Δ = 18°18'00" RT
T = 483.21
L = 958.19
R = 3000.00
S = 3.4%
RUNOUT = 48
RUNOFF = 82
% RUNOFF = 70%

LORETTA

FRENCH

PARK

R/W

R/W

R/W

R/W

R/W

MATCHLINE - STA. 420+50

MATCHLINE - STA. 433+00

425+00

430+00

OLD GLENN HIGHWAY

AMONSON ROAD

GAS STATION (CLOSED)

N72°40'02"E

P.T. STA. 429+20.07

DESIGNED BY	BCM
CHECKED BY	BCM
DRAFTED BY	SMD
DATE DRAFTED:	07/31/09
LAYOUT:	F10
PLOT SCALE:	1:1
2008SHP.DWG	
SPECIFICATIONS	
SCALE:	1" = 1'
COMPUTER DESIGNATION	

415
410
405
400
395
390
385
380
375

ROADWAY FINISHED GRADE

ROADWAY ORIGINAL GROUND

1.18%

0.52%

V.P.I. STA. 429+25
ELEV. = 400.26
655' V.C.

425+00

430+00

SHEET NO.	TOTAL SHEETS
F10	F18
STATE	YEAR
ALASKA	2009

PROJECT DESIGNATION

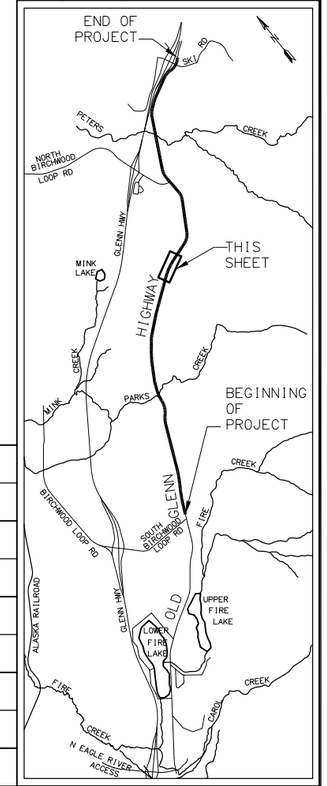
STP-0558(X)/50946

ADDENDUM NO.

ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION



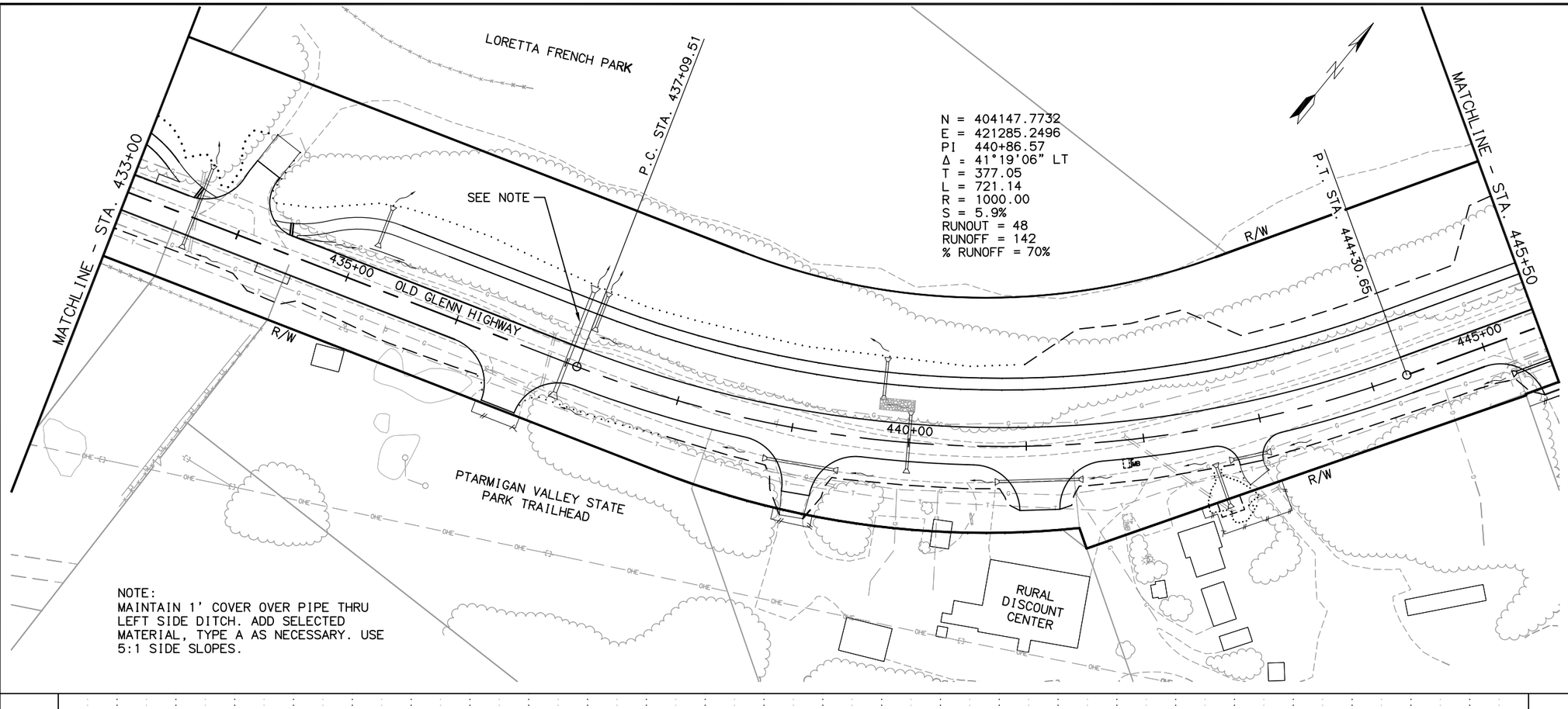
STATE OF ALASKA
49TH
BRENDAN C. McKEE
CE 8805
REGISTERED PROFESSIONAL ENGINEER

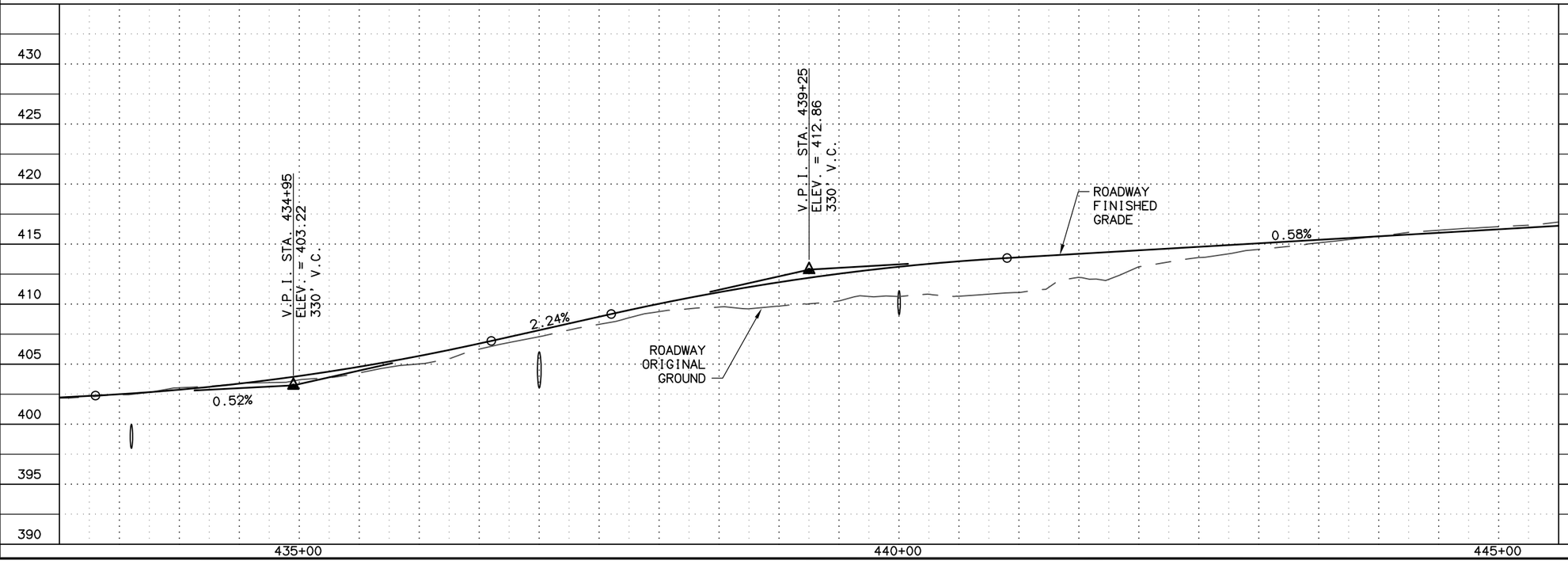
PLANS DEVELOPED BY
CRW ENGINEERING GROUP

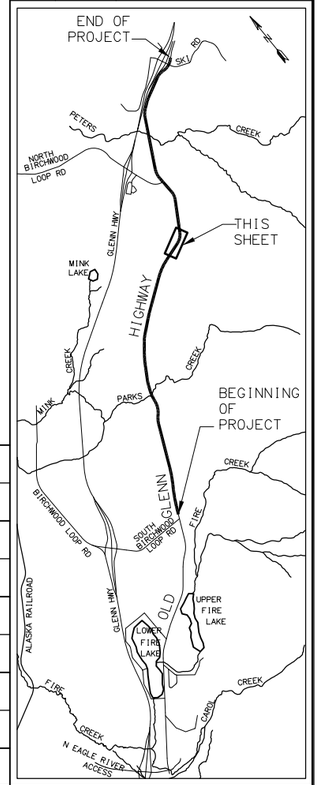
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

AMATS: OLD GLENN HIGHWAY S. BIRCHWOOD LOOP TO PETERS CREEK

PLAN AND PROFILE







SHEET NO.	TOTAL SHEETS
F11	F18
STATE	YEAR
ALASKA	2009

PROJECT DESIGNATION

STP-0558(X)/50946

ADDENDUM NO.

ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION

DESIGNED BY	BCM
CHECKED BY	BCM
DRAFTED BY	SMB
DATE DRAFTED:	07/31/09
LAYOUT:	F11
PLOT SCALE:	1:1
2008SHP.DWG	
SPECIFICATIONS	
SCALE:	1" = 1'
COMPUTER DESIGNATION	

STATE OF ALASKA
491H
BRENDAN C. McKEE
CE 8805
REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY
CRW ENGINEERING GROUP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

AMATS: OLD GLENN HIGHWAY S. BIRCHWOOD LOOP TO PETERS CREEK

PLAN AND PROFILE

SHEET NO.	TOTAL SHEETS
F12	F18
STATE	YEAR
ALASKA	2009

PROJECT DESIGNATION

STP-0558(X)/50946

ADDENDUM NO.

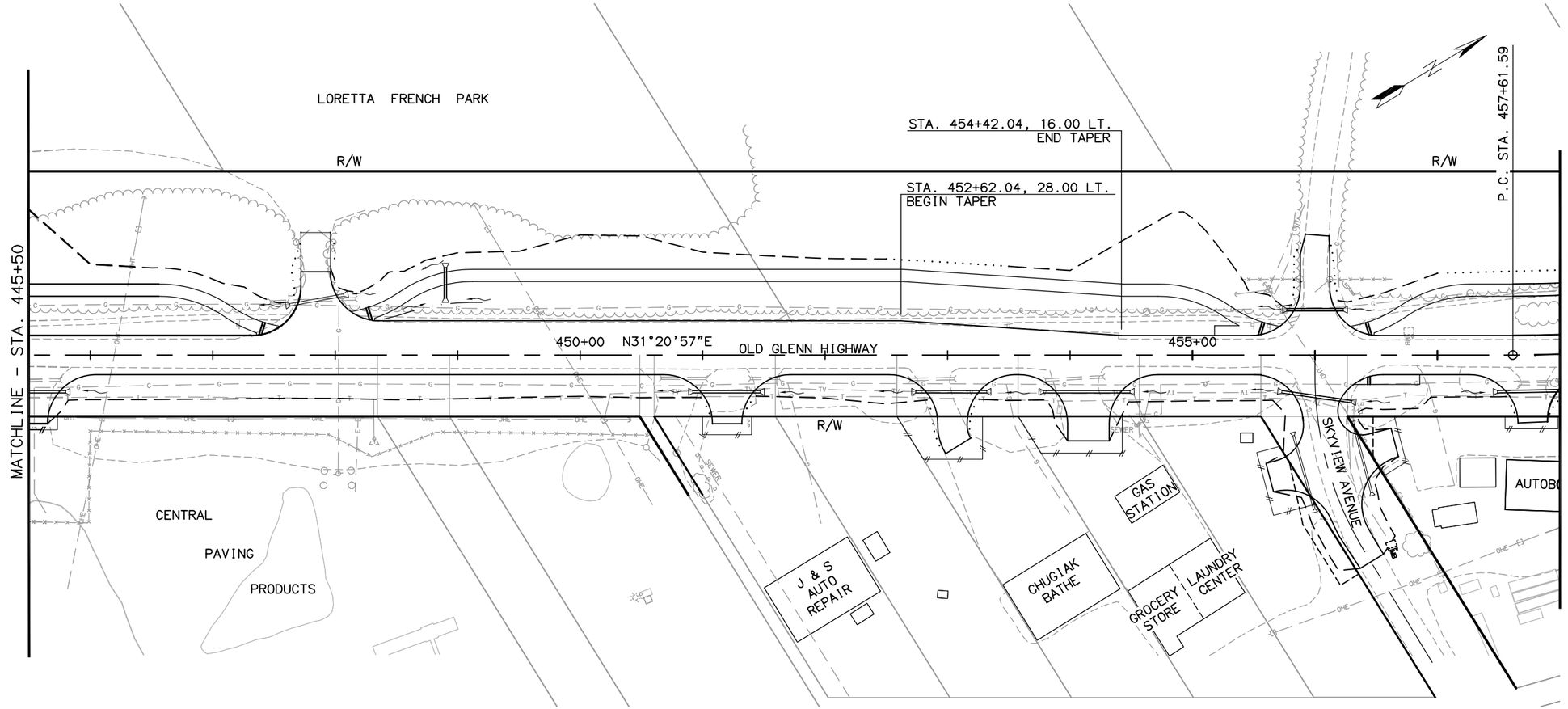
ATTACHMENT NO.

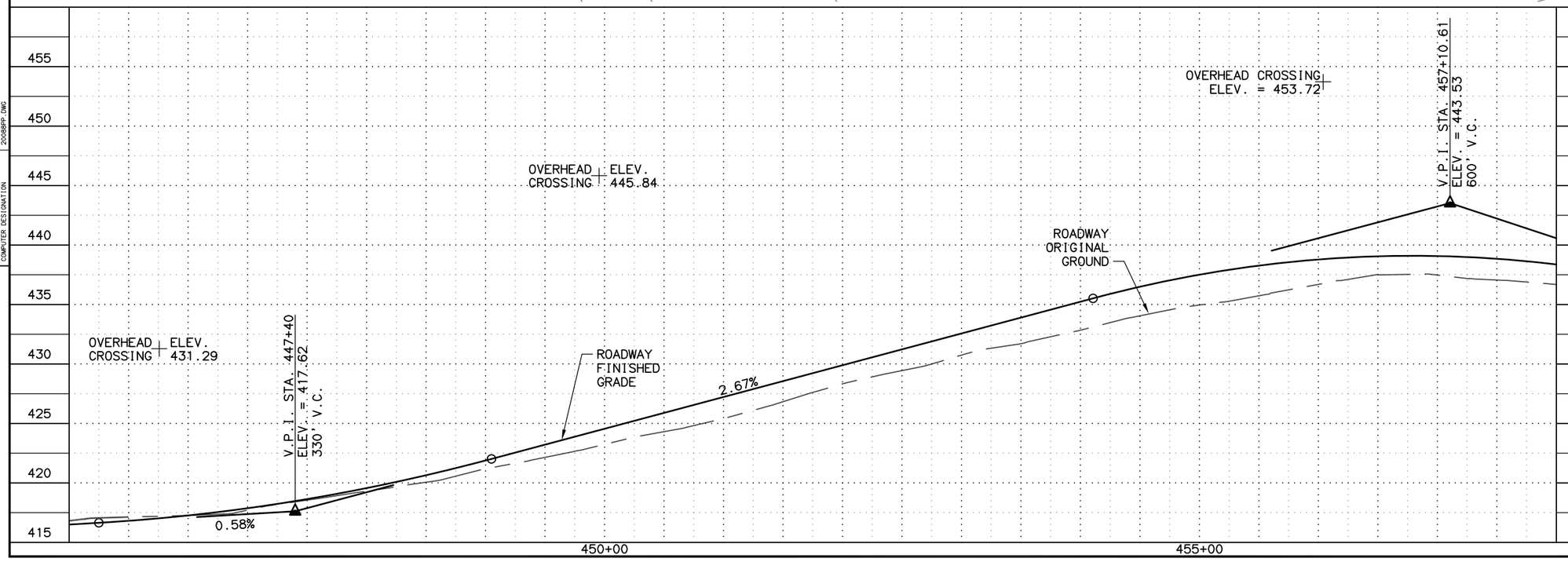
REVISIONS

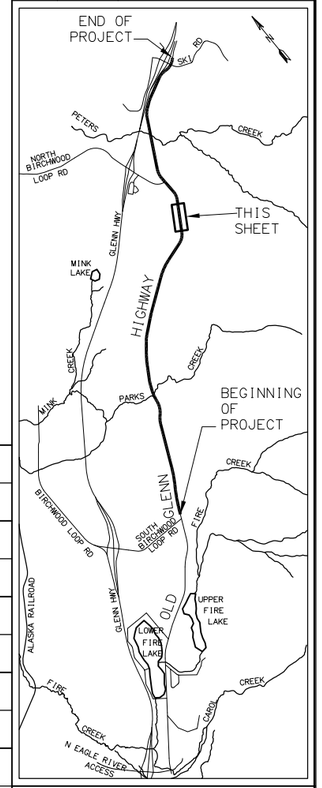
NO.	DATE	DESCRIPTION

LAYOUT: F12 | PLOT SCALE: 1:1 | COMPUTER DESIGNATION: 2008SHP.DWG | SCALE: AS SHOWN | SPECIFICATIONS

DESIGNED BY: BCM | CHECKED BY: BCM | DRAFTED BY: SMB | DATE DRAFTED: 07/31/09







STATE OF ALASKA
49TH
BRENDAN C. McKEE
CE 8805
REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY
CRW ENGINEERING GROUP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

AMATS: OLD GLENN HIGHWAY S. BIRCHWOOD LOOP TO PETERS CREEK

PLAN AND PROFILE

SHEET NO.	TOTAL SHEETS
F13	F18
STATE	YEAR
ALASKA	2009

PROJECT DESIGNATION

STP-0558(X)/50946

ADDENDUM NO.

ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION

N = 405860.7269
E = 422328.7507
PI 460+59.37
Δ = 33°09'54" LT
T = 297.78
L = 578.84
R = 1000.00
S = 5.9%
RUNOUT = 48
RUNOFF = 142
% RUNOFF = 70%

STA. 458+71.41, 16.00 LT.
BEGIN TAPER

STA. 466+71.55, 32.00 LT.
END TAPER

STA. 467+80, LT
REMOVE & RELOCATE PLANTER BOX
WORK SHALL BE SUBSIDIARY
TO PAY ITEM 202(1)

P.T. STA. 463+40.43

MATCHLINE - STA. 458+00

MATCHLINE - STA. 470+50

460+00

465+00

470+00

N01°48'58"W

OLD GLENN HIGHWAY

NORTH BIRCHWOOD LOOP ROAD

R/W

SHERMAN STREET

NEEDELS LOOP

BIBLE BAPTIST CHURCH

APARTMENT BUILDING

SEWER

WELL

ROADWAY FINISHED GRADE

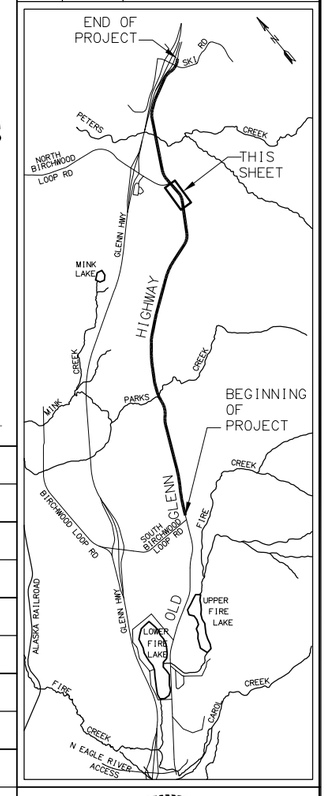
ROADWAY ORIGINAL GROUND

-3.30%

OVERHEAD CROSSING
ELEV. = 424.74

435 430 425 420 415 405 400 395 390

460+00 465+00



STATE OF ALASKA
491H
BRENDAN C. McKEE
CE 8805
REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY
CRW ENGINEERING GROUP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

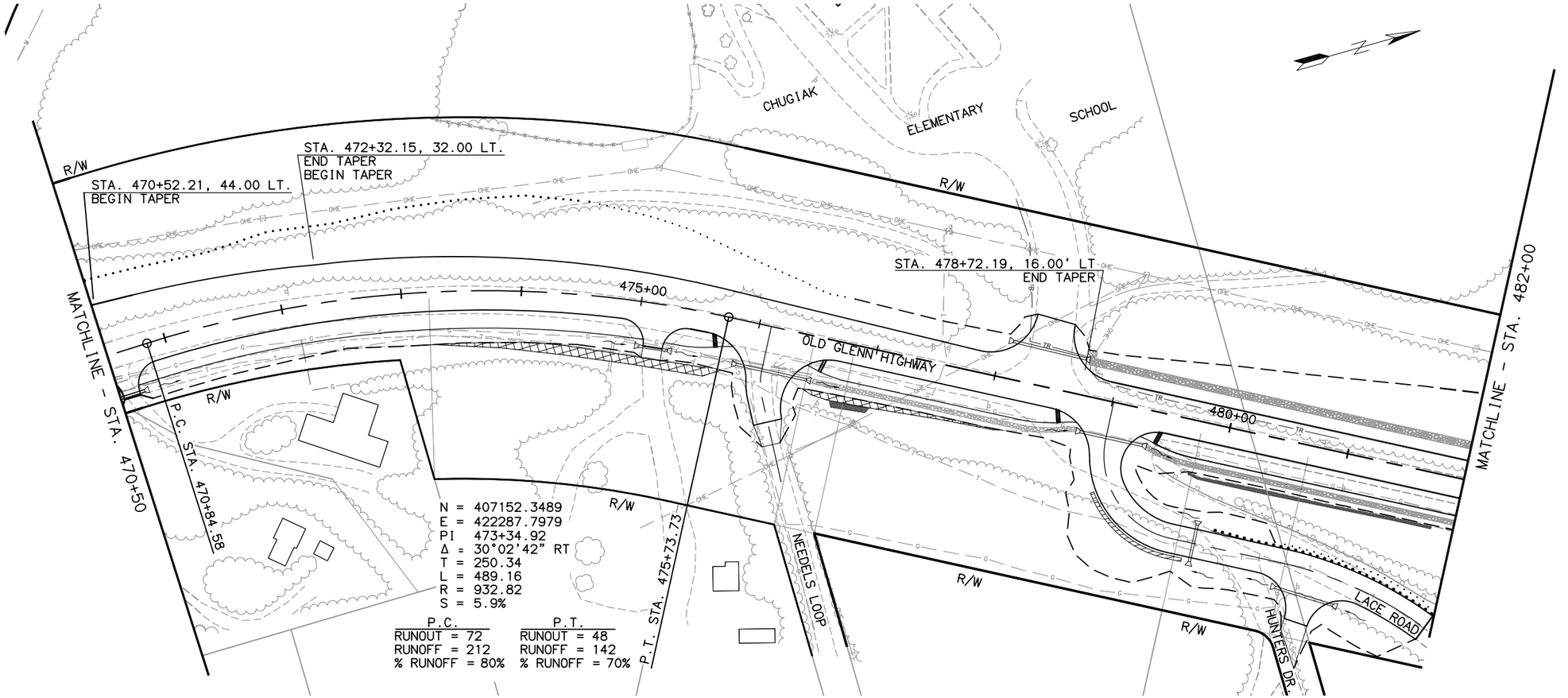
AMATS: OLD GLENN HIGHWAY
S. BIRCHWOOD LOOP TO
PETERS CREEK

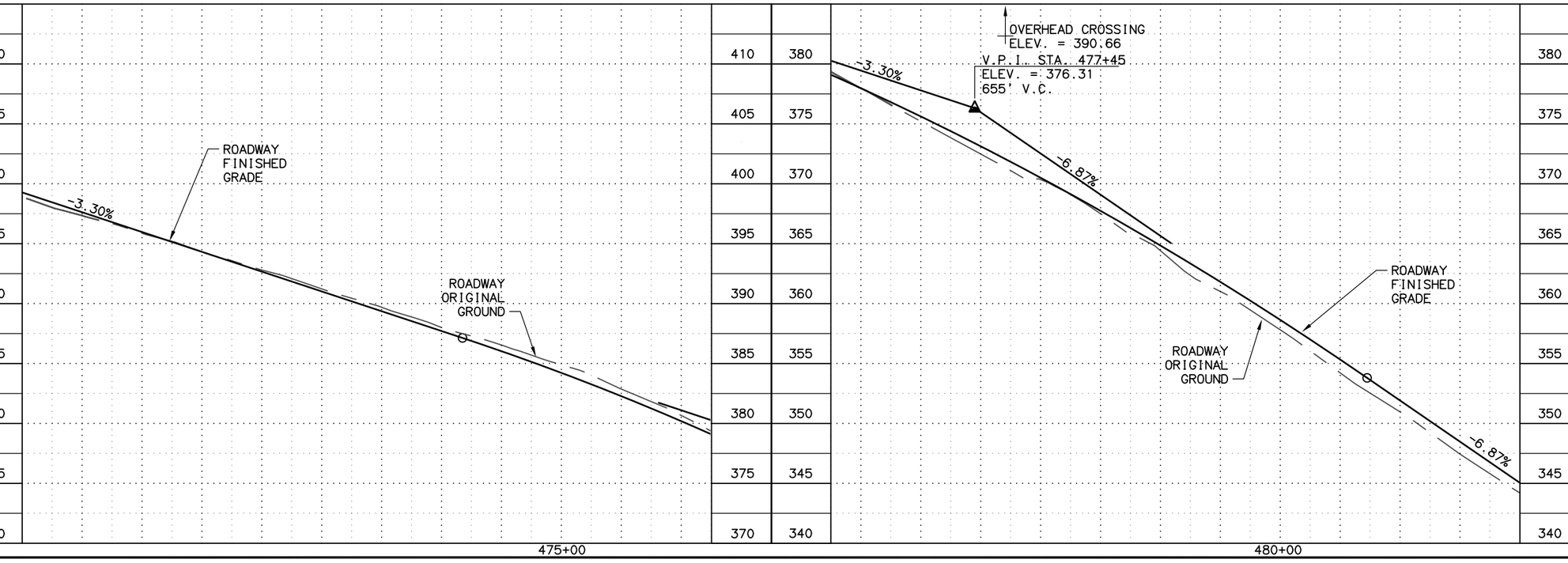
PLAN AND PROFILE

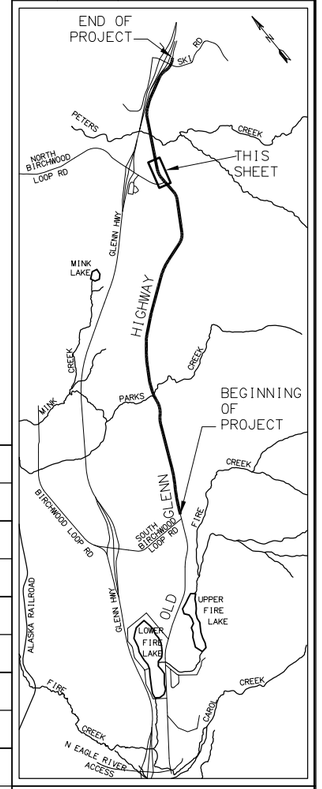
DESIGNED BY BKM
CHECKED BY BKM
DRAFTED BY SMD
DATE DRAFTED: 07/31/09

LAYOUT: F13
PLOT SCALE: 1:1
2008RPP.DWG

SPECIFICATIONS
SCALE: 1" = 1'
COMPUTER DESIGNATION







SHEET NO.	TOTAL SHEETS
F14	F18
STATE	YEAR
ALASKA	2009

PROJECT DESIGNATION

STP-0558(X)/50946

ADDENDUM NO.

ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION

STATE OF ALASKA
4911
BRENDAN C. McKEE
CE 8805
REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY
CRW ENGINEERING GROUP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

AMATS: OLD GLENN HIGHWAY S. BIRCHWOOD LOOP TO PETERS CREEK

PLAN AND PROFILE

DESIGNED BY: BDM
CHECKED BY: BDM
DRAFTED BY: SMB
DATE DRAFTED: 07/31/09

LAYOUT: F14
PLOT SCALE: 1:1
2008SP-1.DWG

SPECIFICATIONS
SCALE: 1"
COMPUTER DESIGNATION

SHEET NO.	TOTAL SHEETS
F15	F18
STATE	YEAR
ALASKA	2009

PROJECT DESIGNATION

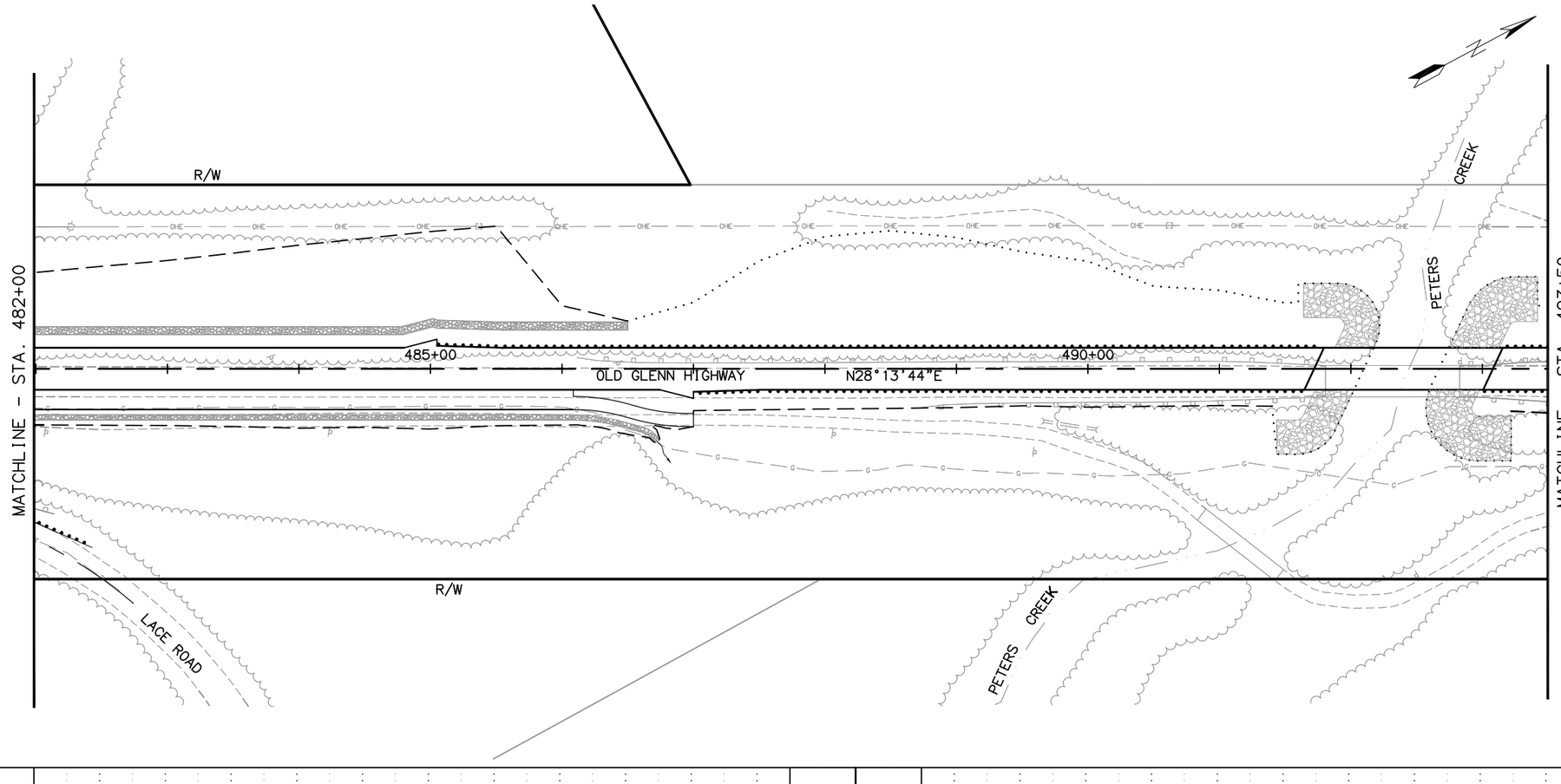
STP-0558(X)/50946

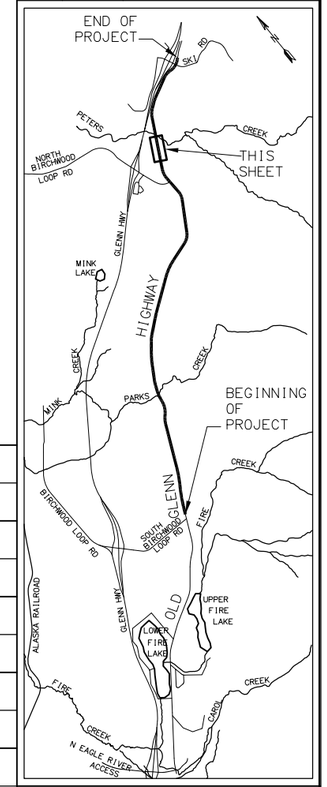
ADDENDUM NO.

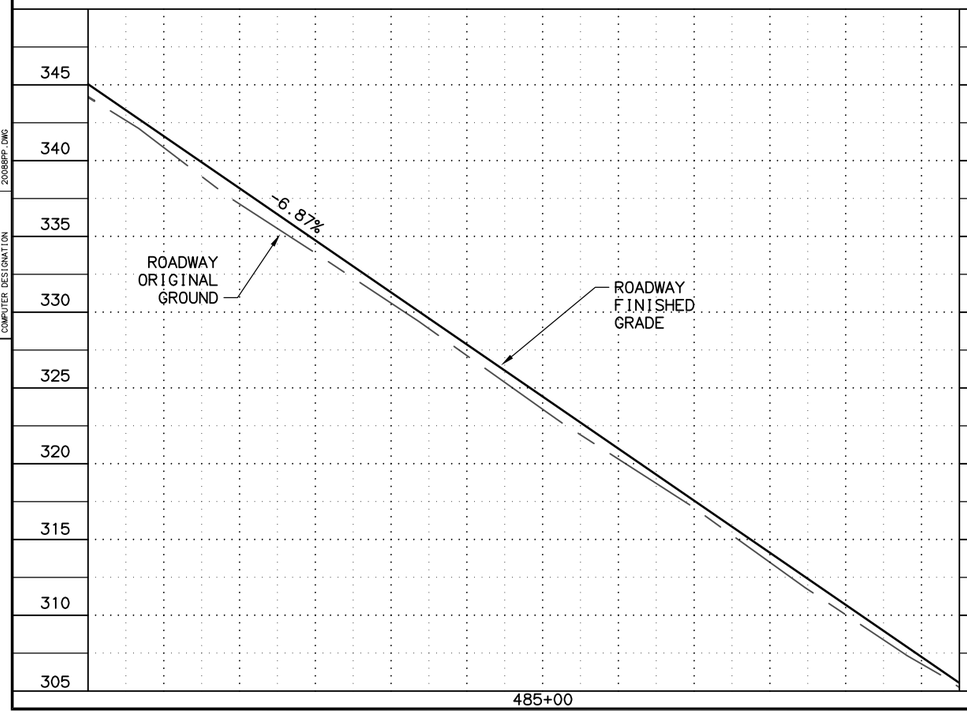
ATTACHMENT NO.

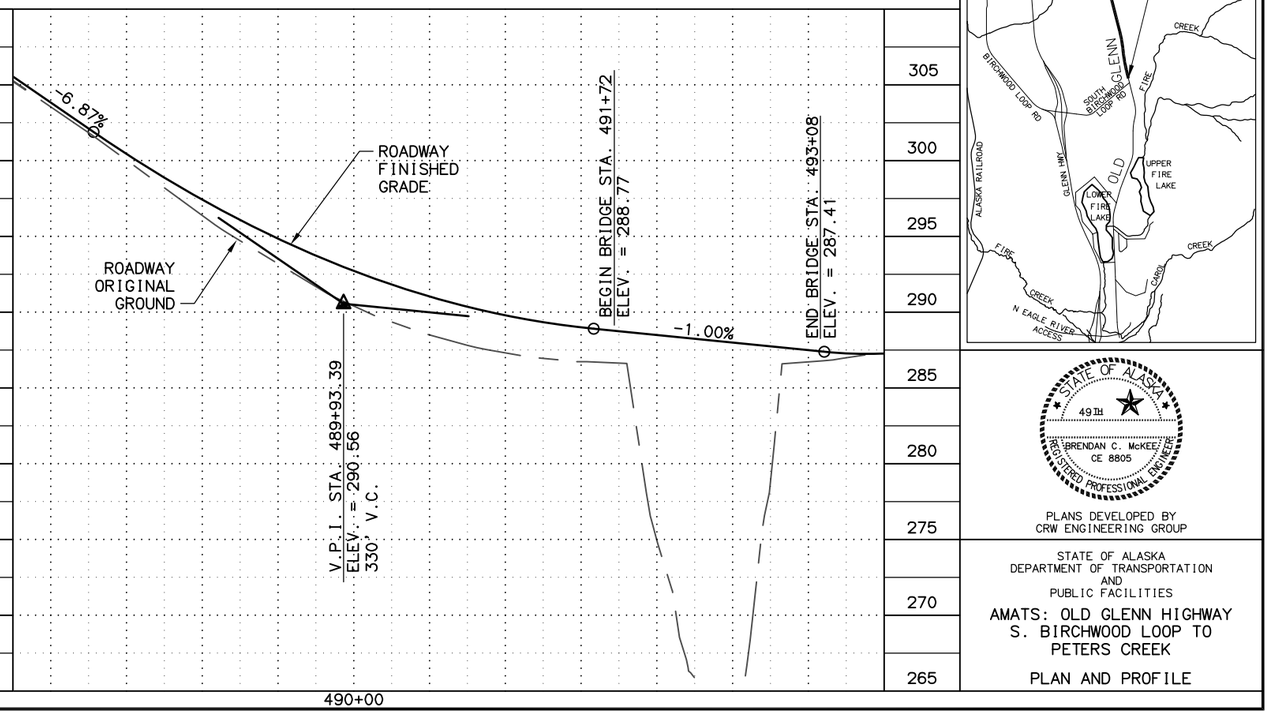
REVISIONS

NO.	DATE	DESCRIPTION









STATE OF ALASKA
49TH
BRENDAN C. McKEE
CE 8805
REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY
CRW ENGINEERING GROUP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

AMATS: OLD GLENN HIGHWAY
S. BIRCHWOOD LOOP TO
PETERS CREEK

PLAN AND PROFILE

DESIGNED BY	BCM
CHECKED BY	BCM
DRAFTED BY	SMD
DATE DRAFTED:	07/31/09
LAYOUT:	F15
PLOT SCALE:	1:1
	200SBP.DWG
SPECIFICATIONS	
SCALE:	1" = 40'
COMPUTER DESIGNATION	

SHEET NO.	TOTAL SHEETS
F16	F18
STATE	YEAR
ALASKA	2009

PROJECT DESIGNATION

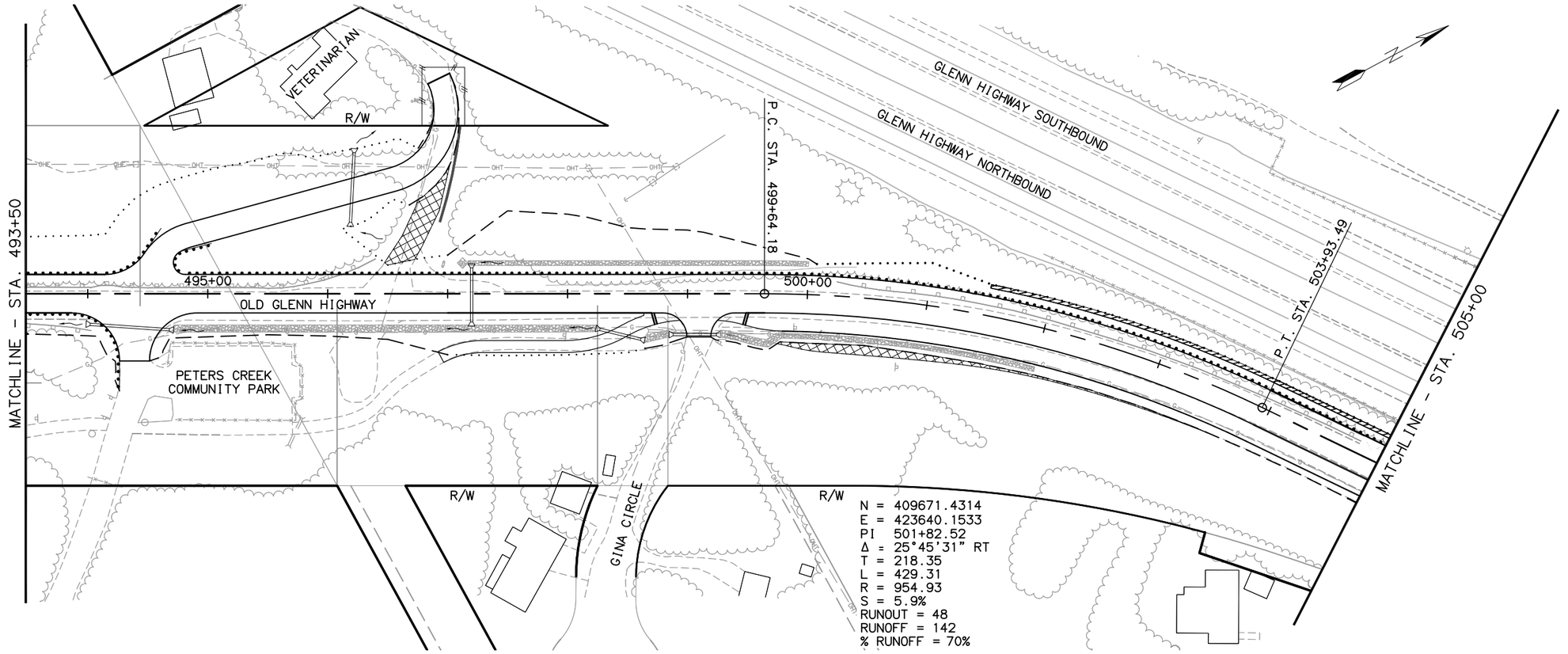
STP-0558(X)/50946

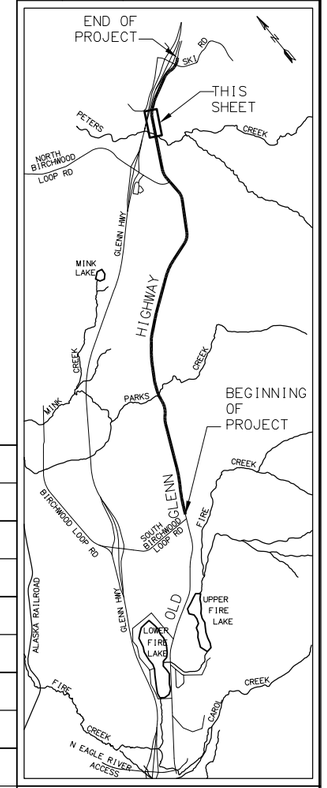
ADDENDUM NO.

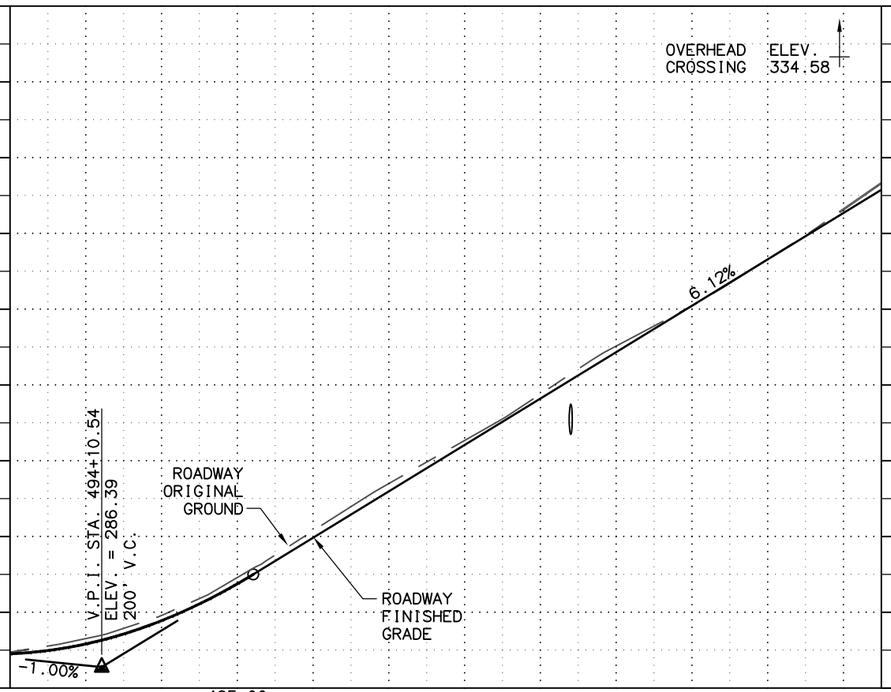
ATTACHMENT NO.

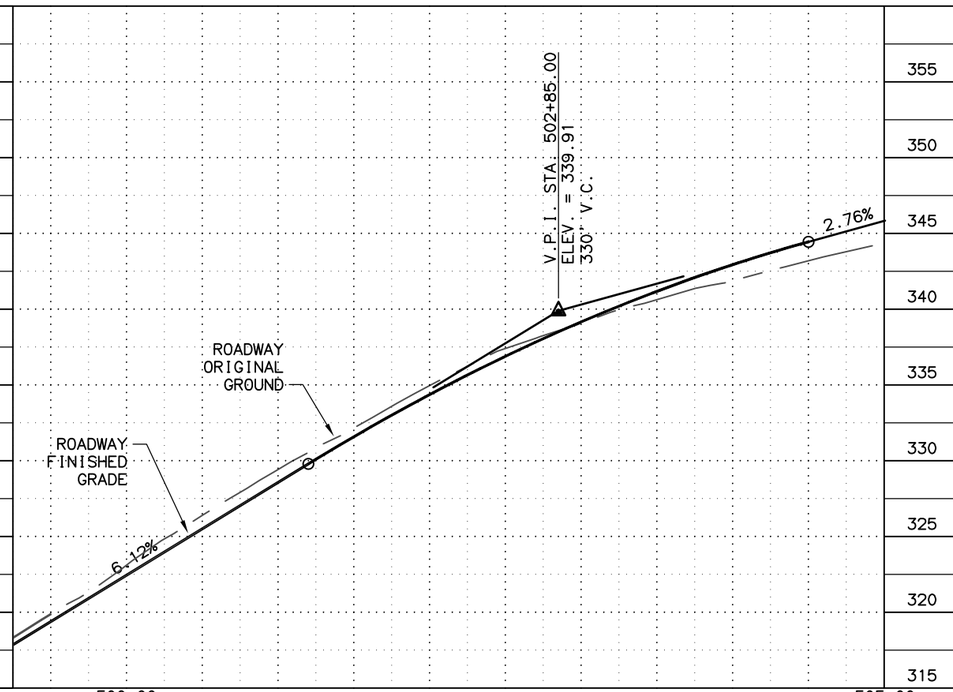
REVISIONS

NO.	DATE	DESCRIPTION









STATE OF ALASKA
49TH
BRENDAN C. McKEE
CE 8805
REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY
CRW ENGINEERING GROUP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

AMATS: OLD GLENN HIGHWAY S. BIRCHWOOD LOOP TO PETERS CREEK

PLAN AND PROFILE

DESIGNED BY BCM
CHECKED BY BCM
DRAFTED BY SMB
DATE DRAFTED: 07/31/09
LAYOUT: F16
PLOT SCALE: 1:1
2008SP.DWG
SPECIFICATIONS
SCALE: AS SHOWN
COMPUTER DESIGNATION

SHEET NO.	TOTAL SHEETS
F17	F18
STATE	YEAR
ALASKA	2009

PROJECT DESIGNATION

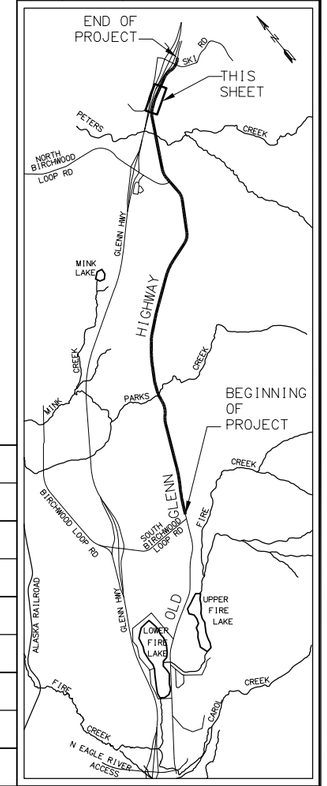
STP-0558(X)/50946

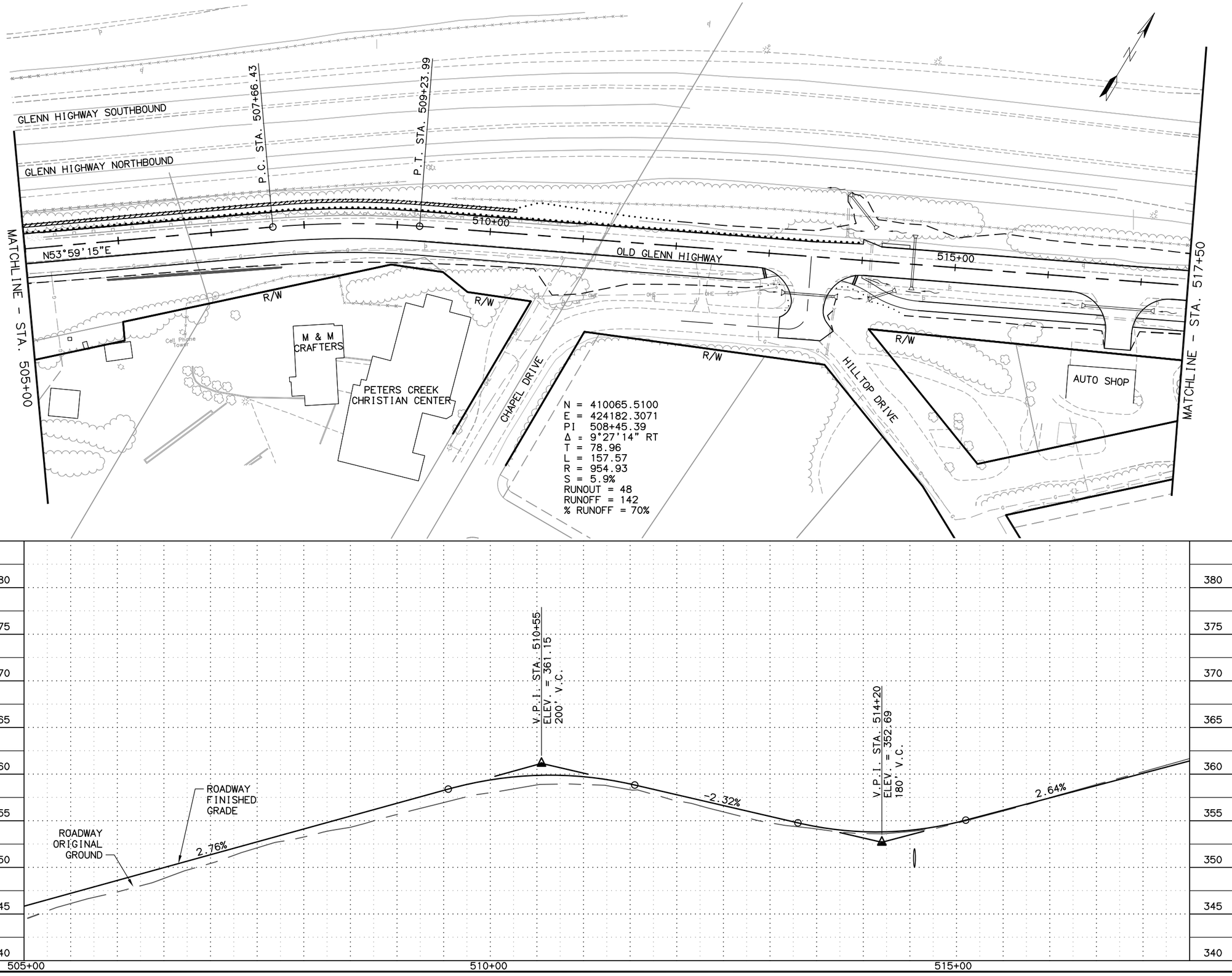
ADDENDUM NO.

ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION





STATE OF ALASKA
49TH
BRENDAN C. McKEE
CE 8805
REGISTERED PROFESSIONAL ENGINEER

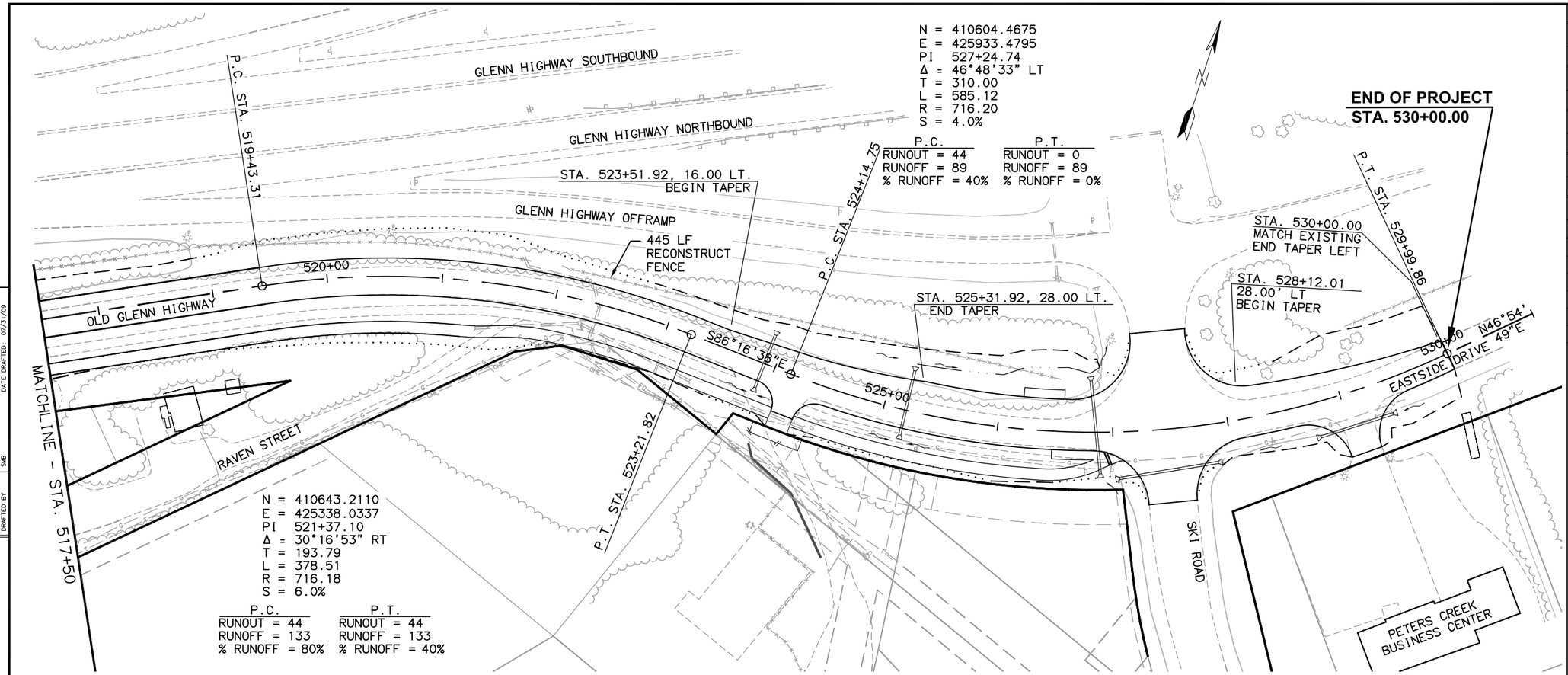
PLANS DEVELOPED BY
CRW ENGINEERING GROUP

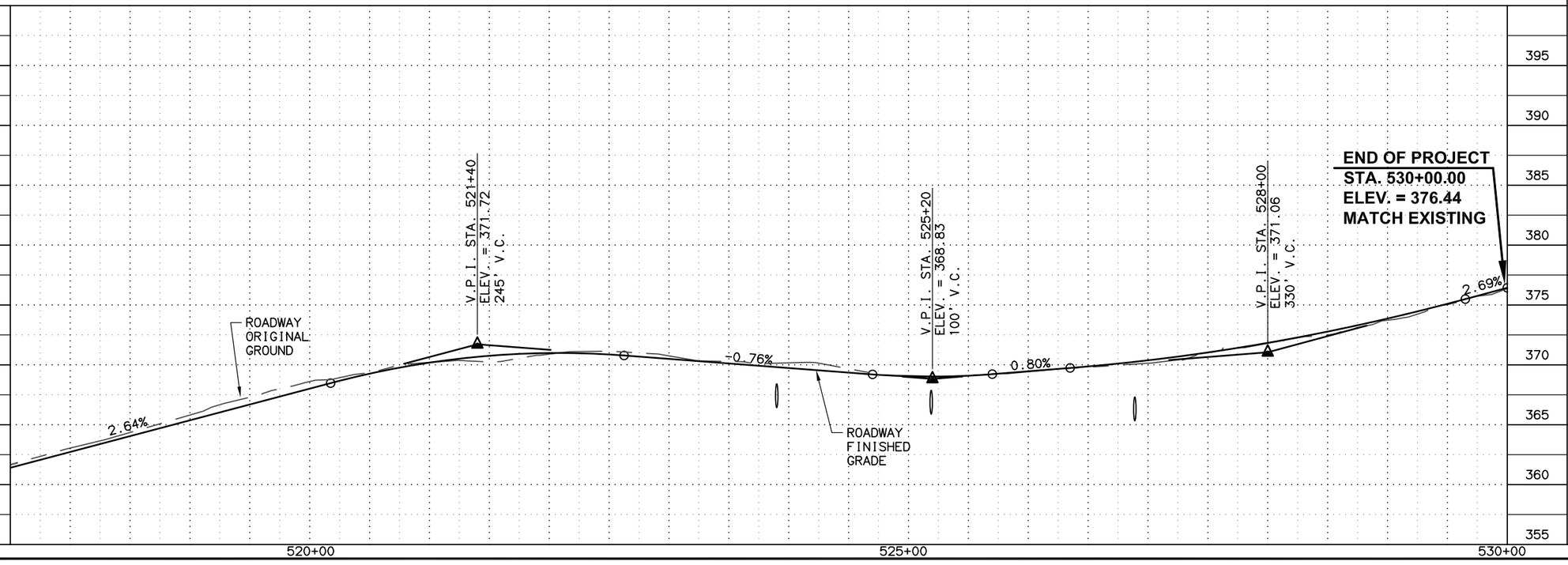
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

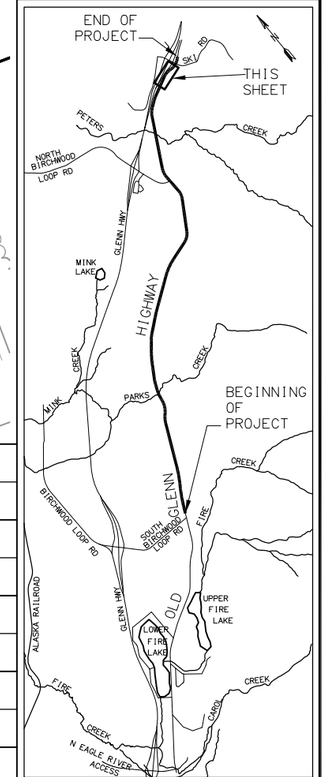
AMATS: OLD GLENN HIGHWAY S. BIRCHWOOD LOOP TO PETERS CREEK

PLAN AND PROFILE

DESIGNED BY BKM
CHECKED BY BKM
DRAWN BY SMD
DATE DRAFTED: 07/31/09
LAYOUT: F17
PLOT SCALE: 1:1
2008GPP.DWG
SPECIFICATIONS
SCALE: 1"=100'
COMPUTER DESIGNATION







SHEET NO.	TOTAL SHEETS
F18	F18
STATE	YEAR
ALASKA	2009

PROJECT DESIGNATION

STP-0558(X)/50946

ADDENDUM NO.

ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION

STATE OF ALASKA
49TH
BRENDAN C. McKEE
CE 8805
REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY
CRW ENGINEERING GROUP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

AMATS: OLD GLENN HIGHWAY
S. BIRCHWOOD LOOP TO
PETERS CREEK

PLAN AND PROFILE

DESIGNED BY BKM
CHECKED BY BKM
DRAFTED BY SMB
DATE DRAFTED: 07/31/09

SPECIFICATIONS
SCALE: 1:1
COMPUTER DESIGNATION
PLOT SCALE: 1:1
2008SHP.DWG
LAYOUT: F18

SHEET NO.	TOTAL SHEETS
G1	G33
STATE	YEAR
ALASKA	2009

PROJECT DESIGNATION

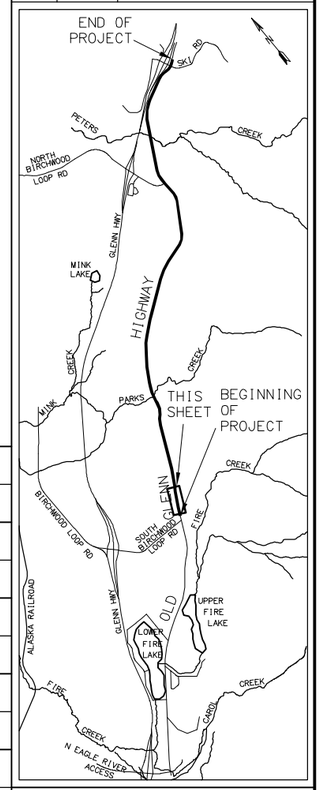
STP-0558(X)/50946

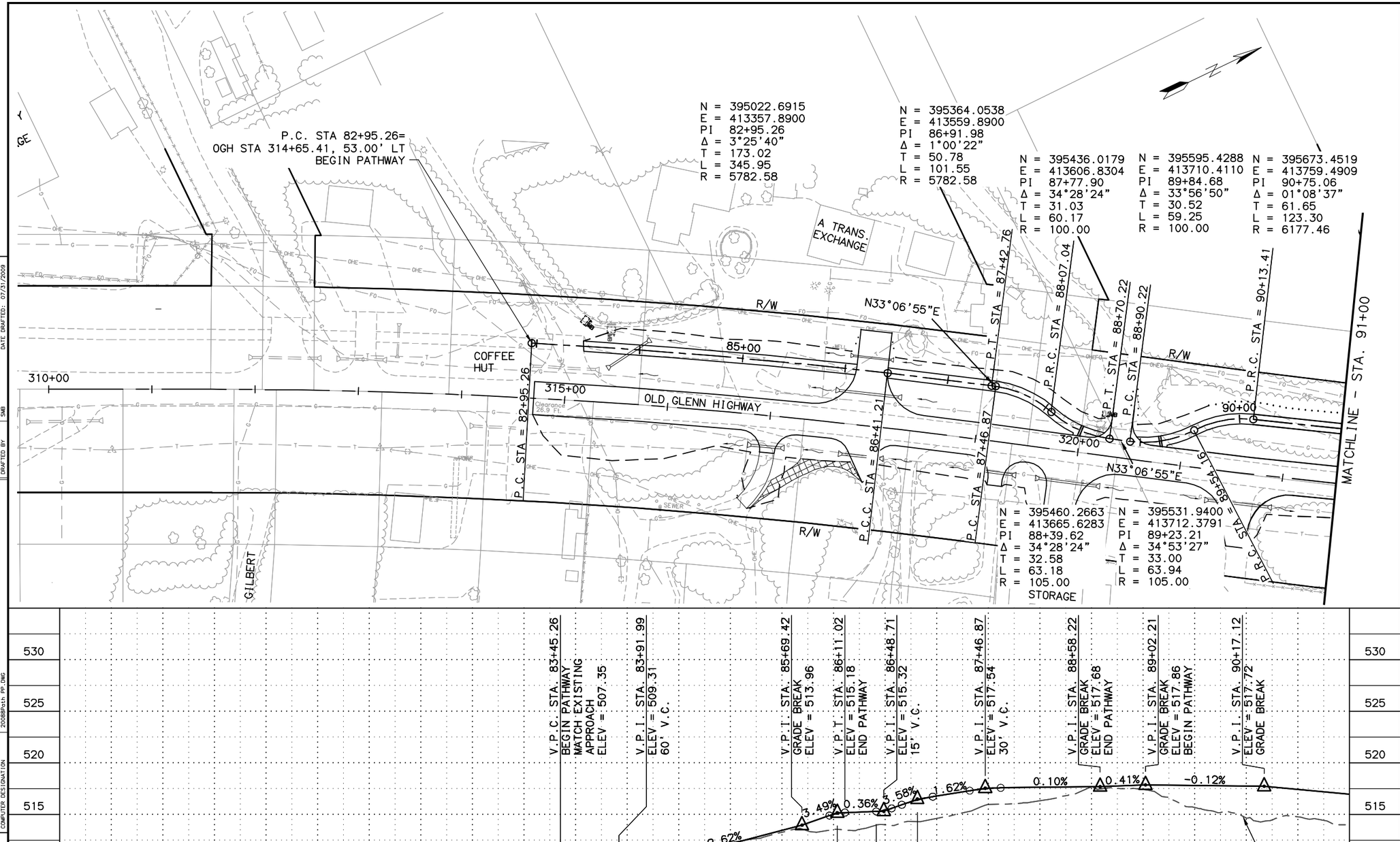
ADDENDUM NO.

ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION





SPECIFICATIONS
SCALE: 1:50
COMPUTER DESIGNATION

PLOT SCALE: 1:1
2008Mar-ch PP.DWG

LAYOUT: F1

DESIGNED BY BCW
CHECKED BY BMH
DRAFTED BY SMB

DATE DRAFTED: 07/31/2009

STATE OF ALASKA
49TH
JUSTIN T. KEENE
CE 11775
REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY
CRW ENGINEERING GROUP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

AMATS: OLD GLENN HIGHWAY S. BIRCHWOOD LOOP TO PETERS CREEK

PATHWAY PLAN AND PROFILE

N = 395752.2032
E = 413806.8619
PI 91+66.96
Δ = 33°39'31"
T = 30.25
L = 58.75
R = 100.00

N = 395930.4836
E = 413907.4174
PI 93+89.01
Δ = 34°02'32"
T = 30.61
L = 59.41
R = 100.00

MATCHLINE - STA. 91+00

P.R.C. STA = 91+95.46

P.C.C. STA = 92+59.52

P.C.C. STA = 92+93.47

P.R.C. STA = 94+17.81

P.T. STA = 97+28.48

P.R.C. STA = 91+36.71

P.R.C. STA = 97+58.30

P.R.C.

R/W

95+00

100+00

N25°05'32"E

325+00

330+00

OLD GLENN HIGHWAY

Clearance 20.4 Ft

MATCHLINE - STA. 103+50

MET CHURCH

TNT PAINT

DIVISION STREET

LAUGHLIN ST

SEWER

OHE

FO

N = 395779.2728
E = 413864.0937
PI 92+28.52
Δ = 34°57'25"
T = 33.06
L = 64.06
R = 105.00

N = 395822.7262
E = 413888.9088
PI 92+76.49
Δ = 00°20'22"
T = 16.98
L = 33.95
R = 5732.16

N = 395866.6561
E = 413913.8447
PI 93+27.01
Δ = 35°25'37"
T = 33.54
L = 64.92
R = 105.00

N = 396094.2545
E = 413995.5697
PI 95+73.18
Δ = 03°13'11"
T = 155.38
L = 310.67
R = 5528.63

V.P.I. STA. 92+35.70
GRADE BREAK
ELEV = 515.75
END PATHWAY

V.P.I. STA. 93+17.53
GRADE BREAK
ELEV = 515.14
BEGIN PATHWAY

V.P.I. STA. 94+37.86
GRADE BREAK
ELEV = 513.44

-0.90%

-0.75%

-1.42%

-1.06%

PATHWAY FINISHED GRADE

PATHWAY ORIGINAL GROUND

530
525
520
515
510
505
500
495
490

92+00
95+00
100+00

SHEET NO.	TOTAL SHEETS
G2	G33
STATE	YEAR
ALASKA	2009

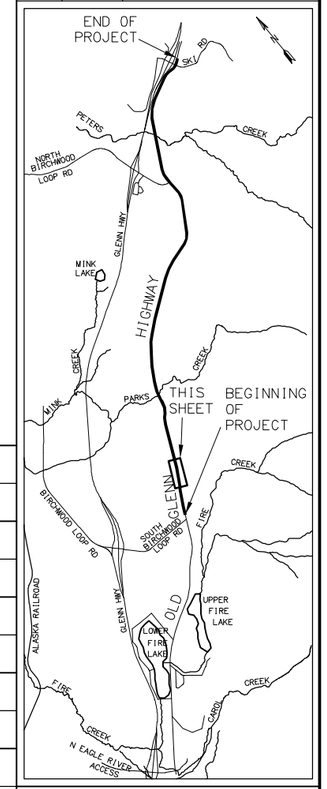
PROJECT DESIGNATION
STP-0558(X)/50946

ADDENDUM NO.

ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION



STATE OF ALASKA
49TH
JUSTIN T. KEENE
CE 11775
REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY
CRW ENGINEERING GROUP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

AMATS: OLD GLENN HIGHWAY
S. BIRCHWOOD LOOP TO
PETERS CREEK

PATHWAY PLAN AND PROFILE

DESIGNED BY BCW
CHECKED BY BMH
DRAFTED BY SMB
DATE DRAFTED: 07/31/2009

SPECIFICATIONS
SCALE: 1:50
COMPUTER DESIGNATION
PLOT SCALE: 1:1
2008Branch PP.DWG
LAYOUT: F2

SHEET NO.	TOTAL SHEETS
G3	G33
STATE	YEAR
ALASKA	2009

PROJECT DESIGNATION

STP-0558(X)/50946

ADDENDUM NO.

ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION

DESIGNED BY	BCM
CHECKED BY	BCM
DRAWN BY	SMB
DATE DRAFTED:	07/31/2009
LAYOUT:	F3
PLOT SCALE:	1:1
2008Roads PP.DWG	
SPECIFICATIONS	
SCALE:	FEET
COMPUTER DESIGNATION	

MATCHLINE - STA. 103+50

MATCHLINE - STA. 116+00

R/W

105+00

110+00

115+00

N25°05'32"E

N23°56'48"E

N17°32'57"E

N26°14'19"E

N23°56'48"E

N41°56'48"E

340+00

OLD GLENN HIGHWAY

Clearance 15.7 Ft.

R/W

HILLTOP

AUTO

RECYCLING

N = 397710.2369
E = 414742.3895
PI 113+53.69
Δ = 08°41'21"
T = 7.60
L = 15.17
R = 100.00

N = 397812.9558
E = 414789.6206
PI 114+66.74
Δ = 18°00'00"
T = 15.84
L = 31.42
R = 100.00

N = 397667.6758
E = 414728.9298
PI 113+09.07
Δ = 06°23'50"
T = 5.59
L = 11.17
R = 100.00

N = 397743.2898
E = 414758.6812
PI 113+90.51
Δ = 02°17'31"
T = 2.00
L = 4.00
R = 100.00

N = 397888.7727
E = 414857.7585
PI 115+68.42
Δ = 18°00'00"
T = 15.84
L = 31.42
R = 100.00

P.I. STA = 111+56.58

P.C. STA = 113+03.48
P.T. STA = 113+14.64

P.C. STA = 113+88.51

P.C. STA = 115+52.58

P.C. STA = 113+46.10
P.T. STA = 113+61.26

P.T. STA = 113+92.51

P.C. STA = 114+50.90
P.T. STA = 114+82.32

P.T. STA = 115+83.99

510
505
500
495
490
485
480
475
470

PATHWAY FINISHED GRADE

PATHWAY ORIGINAL GROUND

-1.06%

-0.88%

1.30%

-1.53%

-0.72%

-0.22%

V.P.I. STA. 112+38.78
ELEV = 494.35
30' V.C.

V.P.T. STA. 112+87.41
GRADE BREAK
ELEV = 493.26
END PATHWAY

V.P.C. STA. 113+06.56
GRADE BREAK
ELEV = 493.51
BEGIN PATHWAY

V.P.I. STA. 113+61.58
GRADE BREAK
ELEV = 492.88

V.P.I. STA. 114+50.90
GRADE BREAK
ELEV = 492.23

V.P.I. STA. 115+93.16
ELEV = 491.92
60' V.C.

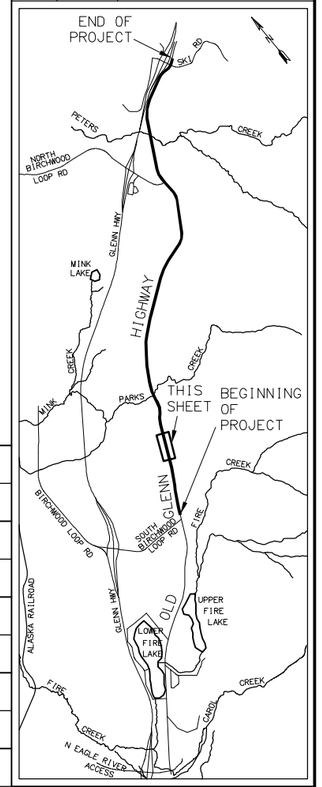
V.P.I. STA. 112+79.91
ELEV = 493.16
15' V.C.

V.P.I. STA. 113+14.06
ELEV = 493.61
15' V.C.

105+00

110+00

115+00



STATE OF ALASKA
49TH
JUSTIN T. KEENE
CE 11775
REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY
CRW ENGINEERING GROUP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

AMATS: OLD GLENN HIGHWAY
S. BIRCHWOOD LOOP TO
PETERS CREEK

PATHWAY PLAN AND PROFILE

N = 398101.2577
E = 414951.3045
PI 118+00.33
Δ = 01°08'46"
T = 1.00
L = 2.00
R = 100.00

N = 398215.3168
E = 415007.1886
PI 119+27.37
Δ = 04°14'53"
T = 40.55
L = 81.06
R = 1093.33

N = 398321.2810
E = 415074.2493
PI 120+52.75
Δ = 06°33'35"
T = 5.73
L = 11.45
R = 100.00

N = 398363.2257
E = 415107.5069
PI 121+06.27
Δ = 01°37'45"
T = 15.53
L = 31.06
R = 1092.33

N = 398460.0180
E = 415142.6441
PI 122+11.89
Δ = 36°03'44"
T = 32.55
L = 62.94
R = 100.00

N = 398398.2314
E = 415135.9808
PI 121+51.39
Δ = 32°58'12"
T = 29.59
L = 57.54
R = 100.00

N = 398523.3550
E = 415200.1094
PI 122+95.25
Δ = 04°25'29"
T = 19.32
L = 38.61
R = 500.00

N = 398837.2144
E = 415443.4976
PI 126+92.40
Δ = 28°10'45"
T = 276.09
L = 541.00
R = 1100.00

MATCHLINE - STA. 116+00

MATCHLINE - STA. 128+50

R/W

FIRE STATION

OLD GLENN HIGHWAY

BOAT HULL

FUJI GIFTS

MOOSE HORN BLDG.

N23°56'48"E

N22°48'01"E

N33°14'16"E

N23°56'48"E

N26°38'09"E

N38°47'04"E

N32°13'29"E

N37°47'33"E

N42°13'02"E

P.I. STA = 117+62.83

P.T. STA = 118+01.33

P.C. STA = 117+99.33

P.C. STA = 118+86.82

P.T. STA = 119+67.88

P.C. STA = 120+47.02

P.T. STA = 120+58.47

P.C. STA = 120+90.74

P.R.C. STA = 121+21.80

P.T. STA = 121+79.34

P.R.C. STA = 122+42.28

P.C. STA = 122+75.93

P.T. STA = 123+14.55

P.C. STA = 124+16.31

120+00

125+00

350+0

355+00

360+

SEWER

SHOULDER

Clearance 137 Ft.

DESIGNED BY BCW
CHECKED BY BNH
DRAFTED BY SMB
DATE DRAFTED: 07/31/2009

LAYOUT: F4

PLOT SCALE: 1:1
2008Bpath_PP.DWG
COMPUTER DESIGNATION

SPECIFICATIONS
SOILS REPORT

SHEET NO.	TOTAL SHEETS
G4	G33
STATE	YEAR
ALASKA	2009

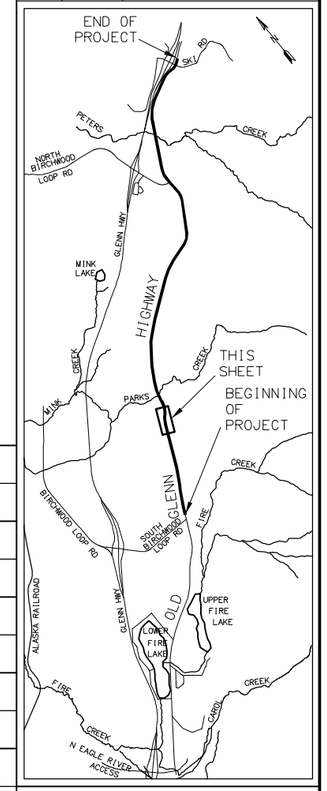
PROJECT DESIGNATION
STP-0558(X)/50946

ADDENDUM NO.

ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION



STATE OF ALASKA
49TH
JUSTIN T. KEENE
CE 11775
REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY
CRW ENGINEERING GROUP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

AMATS: OLD GLENN HIGHWAY
S. BIRCHWOOD LOOP TO
PETERS CREEK

PATHWAY PLAN AND PROFILE

500
495
490
485
480
475
470
465
460

0.91%
1.42%
0.20%
1.16%
2.25%
0.62%
-1.14%
0.45%
-0.28%
-5.00%
-2.60%

PATHWAY FINISHED GRADE

PATHWAY ORIGINAL GROUND

V.P.I. STA. 116+72.90
GRADE BREAK
ELEV. = 492.65

V.P.I. STA. 117+93.97
ELEV = 494.38
30' V.C.

V.P.I. STA. 118+20.69
ELEV = 494.43
15' V.C.

V.P.T. STA. 118+28.19
GRADE BREAK
ELEV = 494.52
END PATHWAY

V.P.C. STA. 118+86.82
GRADE BREAK
ELEV = 495.20
BEGIN PATHWAY

V.P.I. STA. 118+94.27
ELEV = 495.29
15' V.C.

V.P.I. STA. 119+11.46
ELEV = 495.67
15' V.C.

V.P.I. STA. 119+45.11
ELEV = 495.88
15' V.C.

V.P.I. STA. 119+60.39
ELEV = 495.71
15' V.C.

V.P.T. STA. 119+67.89
GRADE BREAK
ELEV = 495.74
END PATHWAY

STA. 120+27.39
ELEV = 496.01
BEGIN PATHWAY

V.P.I. STA. 120+77.20
GRADE BREAK
ELEV = 496.24

V.P.I. STA. 122+18.01
ELEV = 495.84
175' V.C.

V.P.I. STA. 125+81.80
ELEV = 477.65
175' V.C.

V.P.I. STA. 127+64.72
ELEV = 472.89
175' V.C.

SHEET NO.	TOTAL SHEETS
G5	G33
STATE	YEAR
ALASKA	2009

PROJECT DESIGNATION

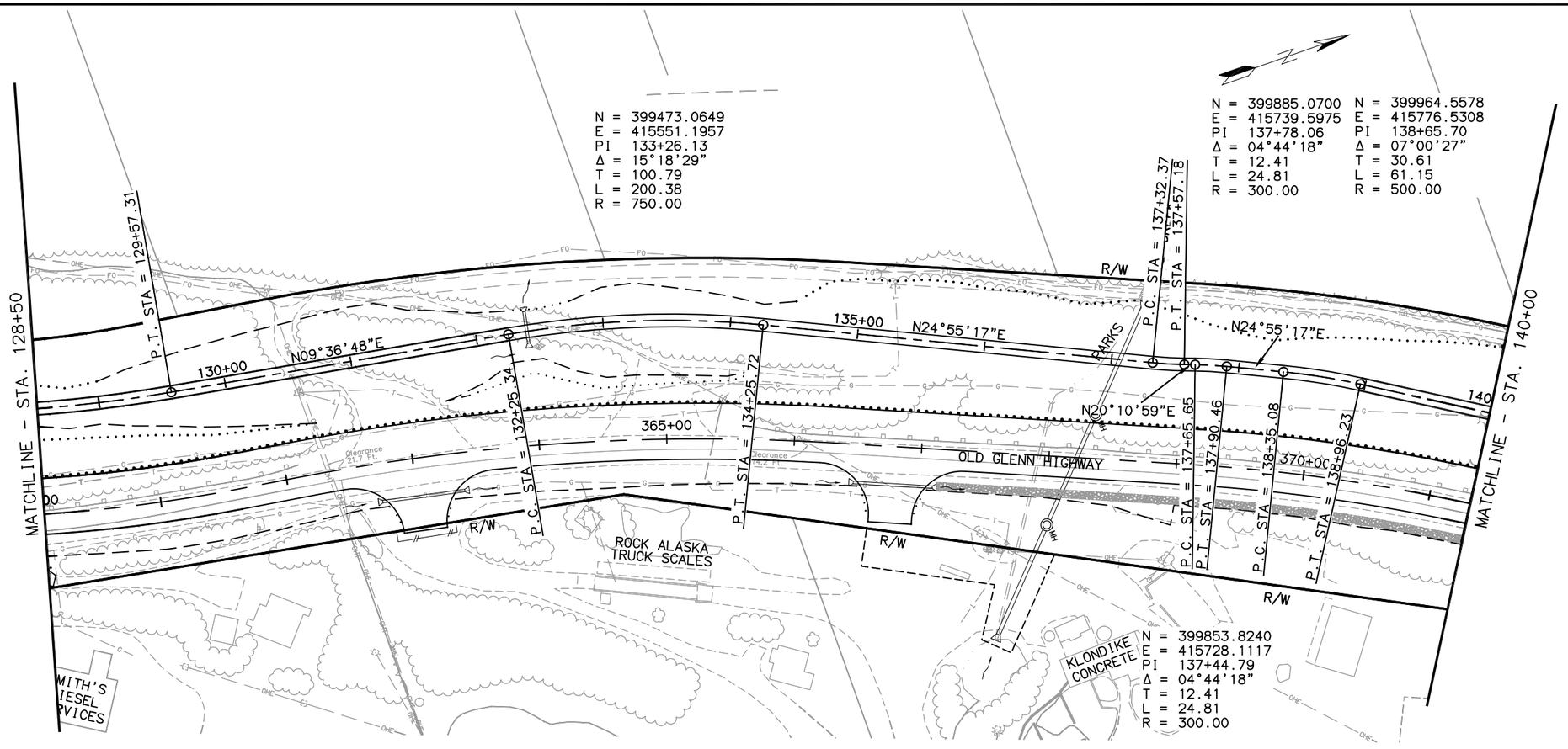
STP-0558(X)/50946

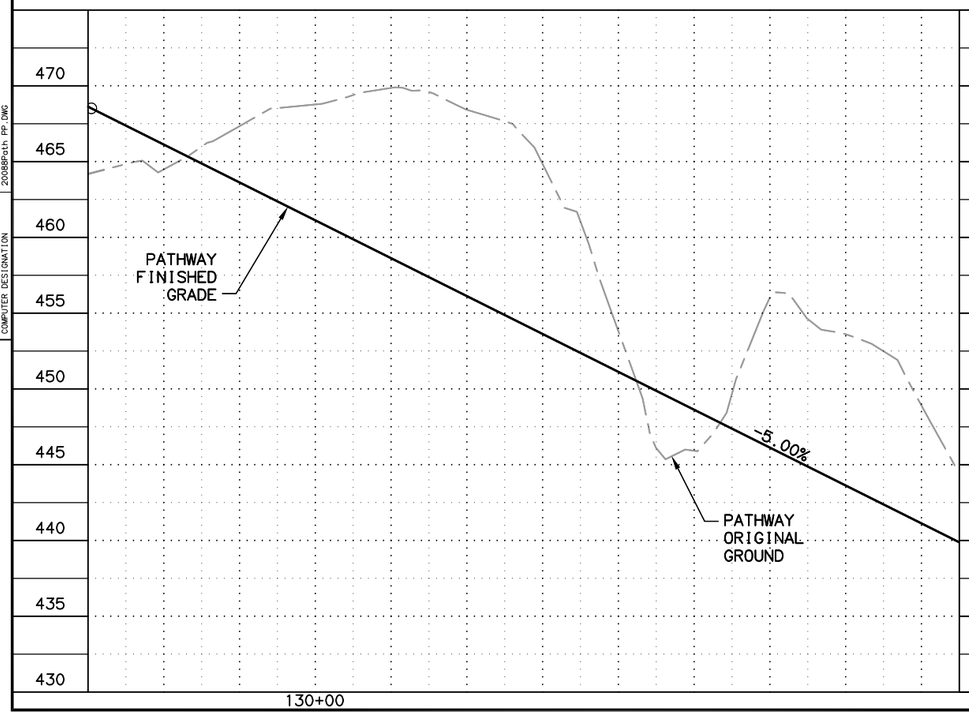
ADDENDUM NO.

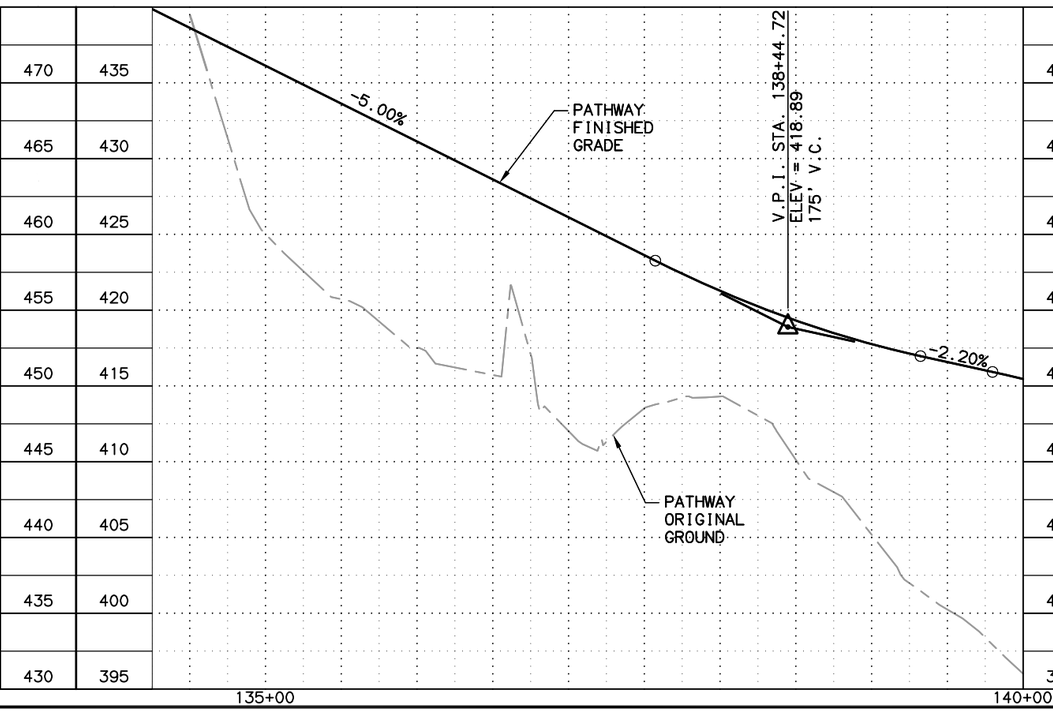
ATTACHMENT NO.

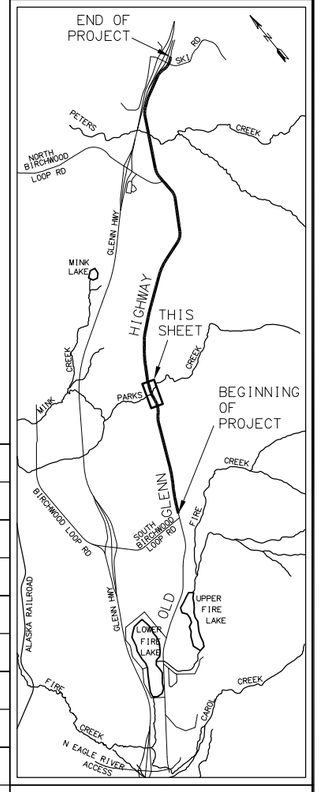
REVISIONS

NO.	DATE	DESCRIPTION









STATE OF ALASKA
49TH
JUSTIN T. KEENE
CE 11775
REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY
CRW ENGINEERING GROUP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

AMATS: OLD GLENN HIGHWAY
S. BIRCHWOOD LOOP TO
PETERS CREEK

PATHWAY PLAN AND PROFILE

DESIGNED BY BKM
CHECKED BY BKM
DRAFTED BY SMD
DATE DRAFTED: 07/31/2009
LAYOUT: F5
PLOT SCALE: 1:1
2008Prch PP.DWG
COMPUTER DESIGNATION
SCALE: 1:50
SPECIFICATIONS

SHEET NO.	TOTAL SHEETS
G6	G33
STATE	YEAR
ALASKA	2009

PROJECT DESIGNATION

STP-0558(X)/50946

ADDENDUM NO.

ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION

DESIGNED BY	BCW
CHECKED BY	BKM
DRAFTED BY	SMB
DATE DRAFTED:	07/31/2009
LAYOUT:	F6
PLOT SCALE:	1:1
PLOT STYLE:	20080Patch PP.DWG
COORDINATE SYSTEM:	
SPECIFICATIONS	
STANDARD:	

MATCHLINE - STA. 140+00

MATCHLINE - STA. 151+50

+00

N31°55'44"E

P.C. STA = 143+85.16
P.T. STA = 144+03.39

N = 400569.8753
E = 416145.4829
PI 145+74.62
Δ = 03°14'23"
T = 21.21
L = 42.41
R = 750.00

N = 400698.7039
E = 416225.7617
PI 147+26.40
Δ = 02°01'12"
T = 13.22
L = 26.44
R = 750.00

P.C. STA = 148+55.03
P.T. STA = 148+81.47

R/W

145+00

N29°50'23"E

N31°55'44"E

N33°56'56"E

150+00 N31°55'44"E

375+00

OLD GLENN HIGHWAY

380+00

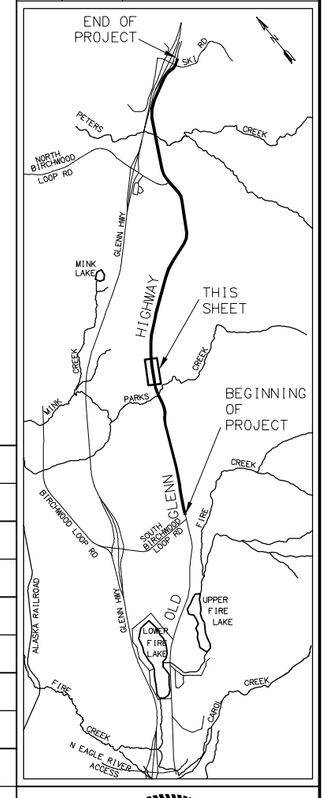
P.C. STA = 145+53.41
P.T. STA = 145+95.82

P.C. STA = 147+13.18
P.T. STA = 147+39.62

N = 400413.2292
E = 416056.1177
PI 143+94.27
Δ = 02°05'21"
T = 9.12
L = 18.23
R = 500.00

N = 400816.3767
E = 416304.9801
PI 148+68.25
Δ = 02°01'12"
T = 13.22
L = 26.44
R = 750.00

OHE



420
415
410
405
400
390
385
380
375

PATHWAY FINISHED GRADE

-5.00%

-2.20%

PATHWAY ORIGINAL GROUND

V.P.I. STA. 140+79.75
ELEV = 413.73
200' V.C.

V.P.I. STA. 144+08.02
ELEV = 397.32
200' V.C.

140+00

145+00

420
415
410
405
400
390
385
380
375

395
390
385
380
375
370
365
360
355

0.00%

-2.62%

-5.00%

PATHWAY FINISHED GRADE

PATHWAY ORIGINAL GROUND

V.P.I. STA. 146+32.03
ELEV = 392.38
20' V.C.

V.P.T. STA. 146+42.03
GRADE BREAK
ELEV = 392.38
END PATHWAY

V.P.C. STA. 146+56.03
GRADE BREAK
ELEV = 392.38
BEGIN PATHWAY

V.P.I. STA. 146+66.03
ELEV = 392.38
20' V.C.

V.P.I. STA. 147+87.66
ELEV = 389.20
175' V.C.

150+00

395
390
385
380
375
370
365
360
355

STATE OF ALASKA
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DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

AMATS: OLD GLENN HIGHWAY
S. BIRCHWOOD LOOP TO
PETERS CREEK

PATHWAY PLAN AND PROFILE

SHEET NO.	TOTAL SHEETS
G7	G33
STATE	YEAR
ALASKA	2009

PROJECT DESIGNATION

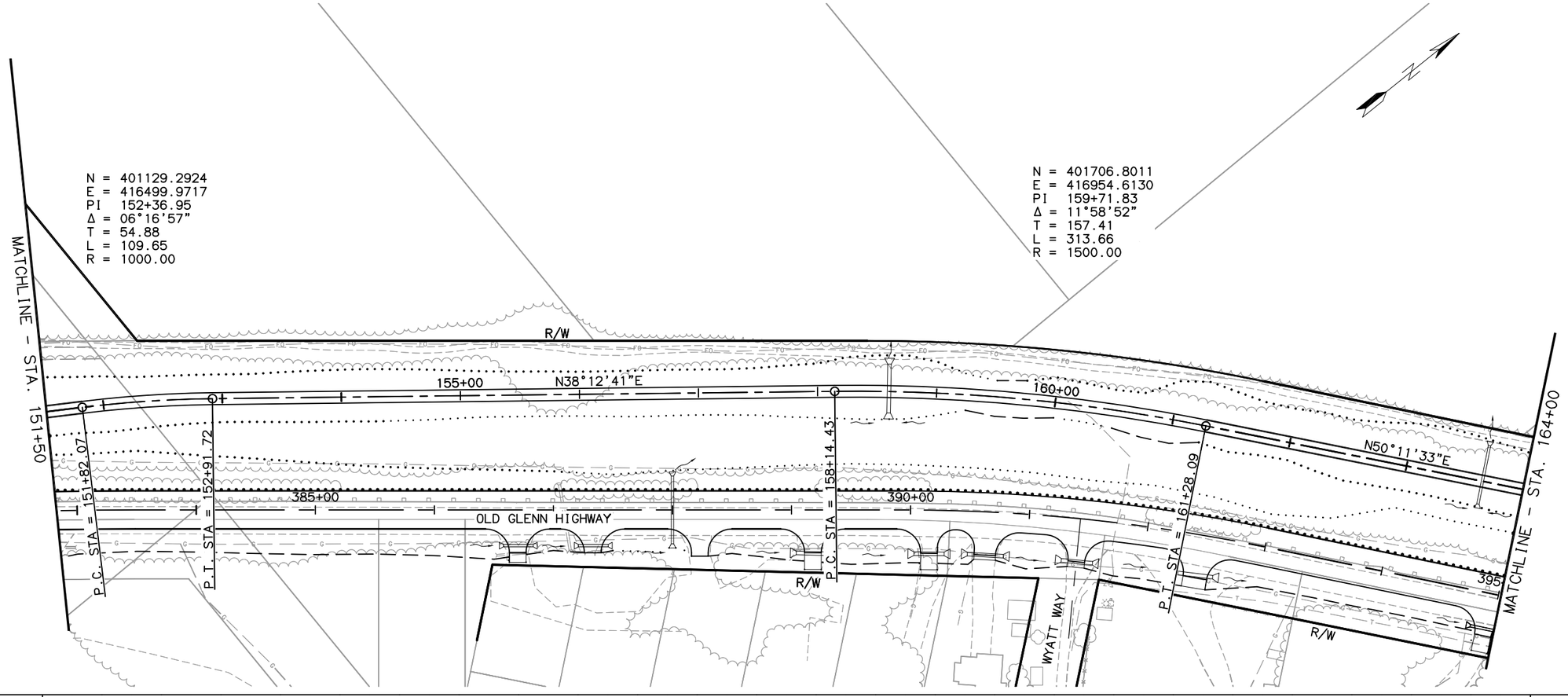
STP-0558(X)/50946

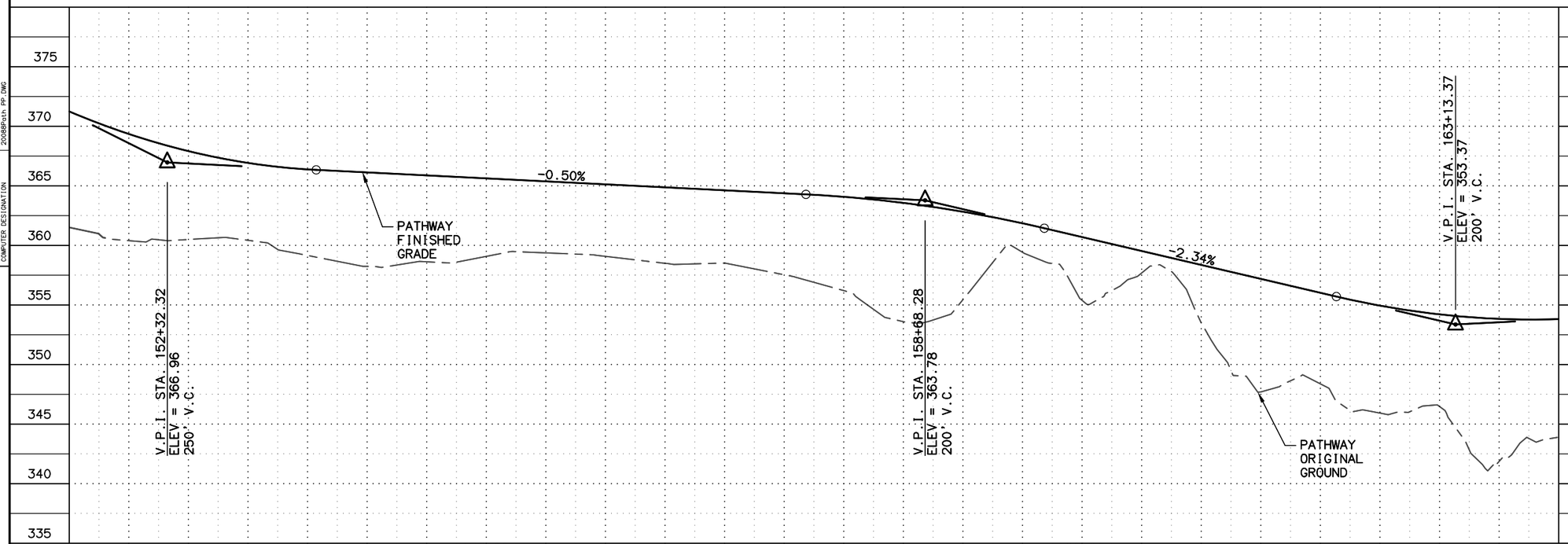
ADDENDUM NO.

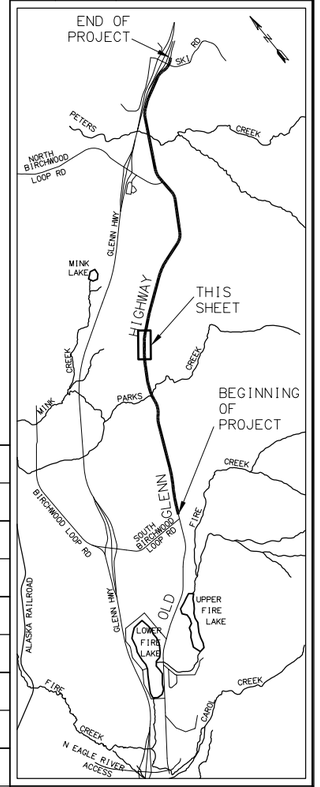
ATTACHMENT NO.

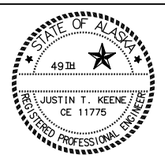
REVISIONS

NO.	DATE	DESCRIPTION









PLANS DEVELOPED BY
CRW ENGINEERING GROUP

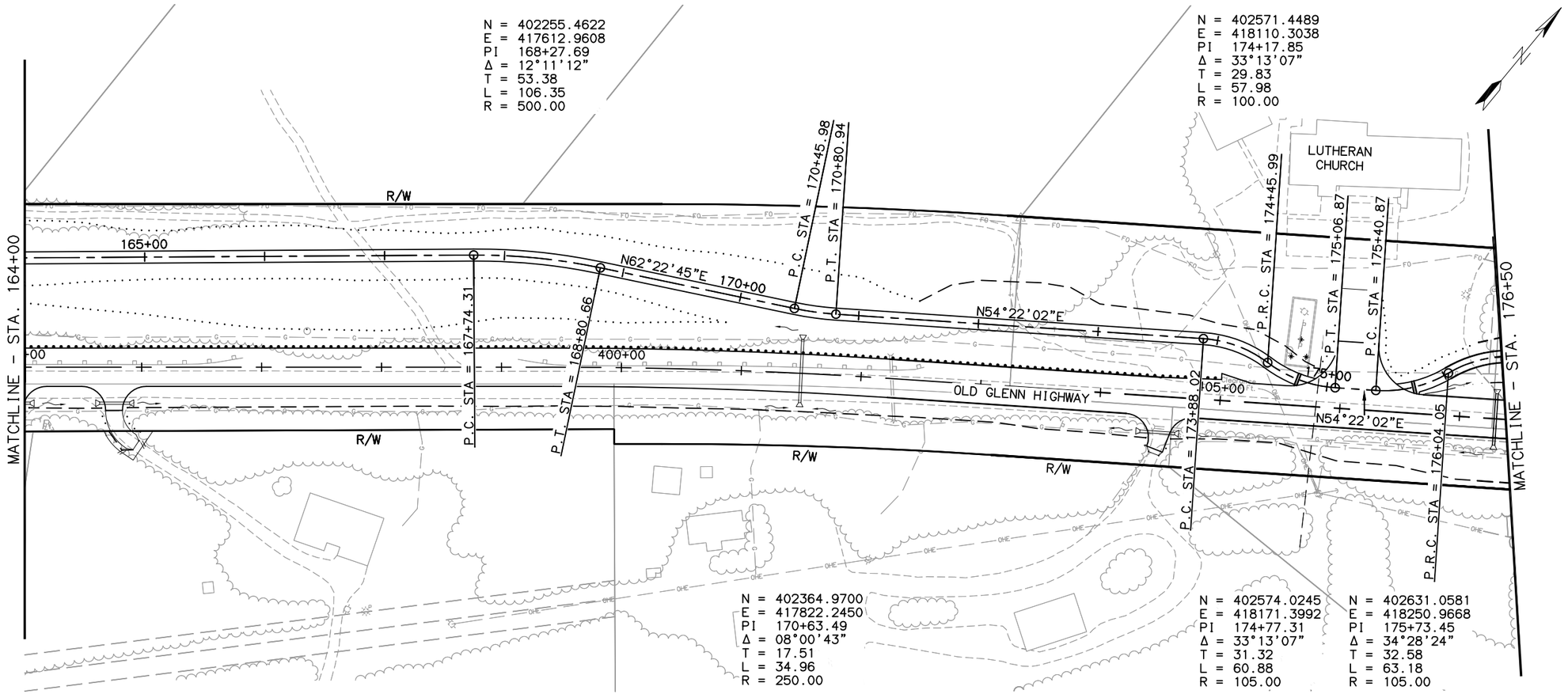
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

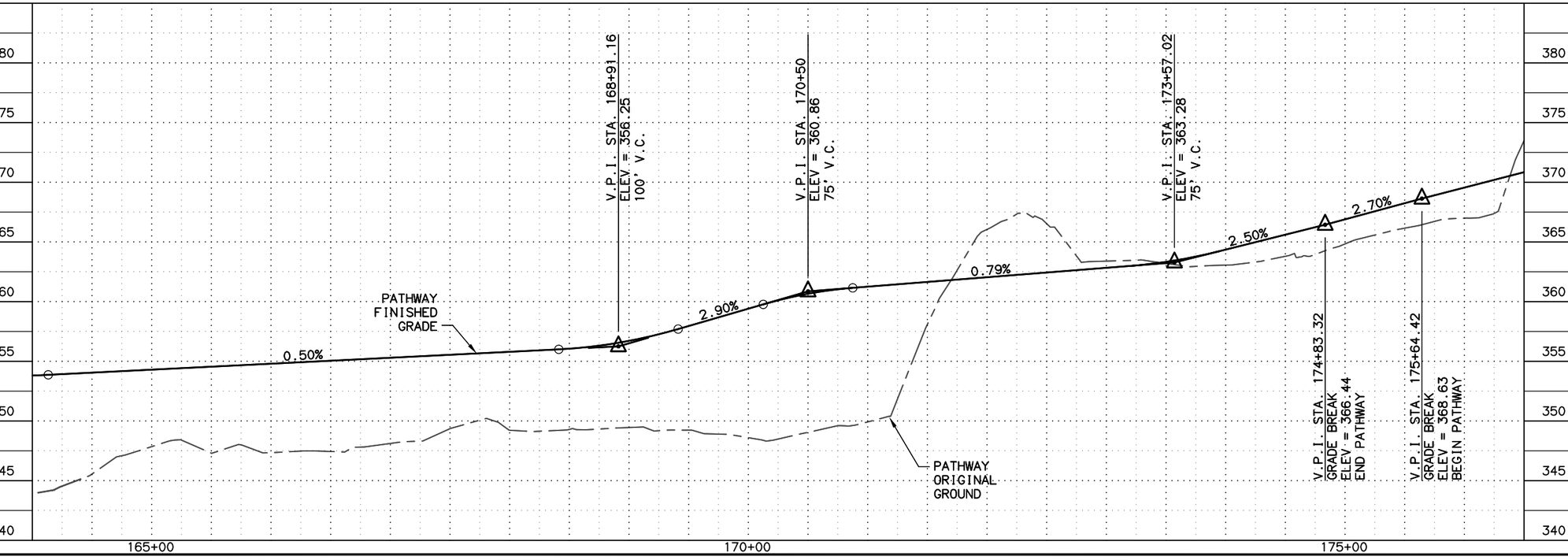
AMATS: OLD GLENN HIGHWAY
S. BIRCHWOOD LOOP TO
PETERS CREEK

PATHWAY PLAN AND PROFILE

DESIGNED BY BDM
CHECKED BY BMM
DRAFTED BY SMD
DATE DRAFTED: 07/31/2009

LAYOUT: F7
PLOT SCALE= 1:1
2008Sp1u3.PP.DWG
COMPUTER DESIGNATION
SCALE: 1"=50'
SPECIFICATIONS





SHEET NO.	TOTAL SHEETS
G8	G33
STATE	YEAR
ALASKA	2009

PROJECT DESIGNATION

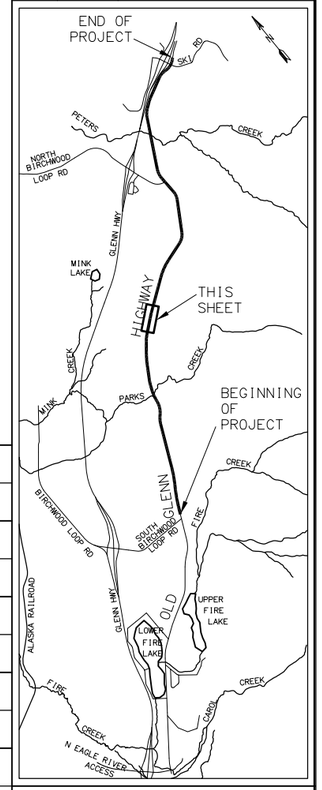
STP-0558(X)/50946

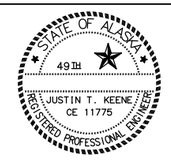
ADDENDUM NO.

ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION





PLANS DEVELOPED BY
CRW ENGINEERING GROUP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

AMATS: OLD GLENN HIGHWAY
S. BIRCHWOOD LOOP TO
PETERS CREEK

PATHWAY PLAN AND PROFILE

DESIGNED BY BDM
CHECKED BY BNH
DRAFTED BY SMB
DATE DRAFTED: 07/31/2009
LAYOUT: F8
PLOT SCALE: 1:1
2008Psdm PP.DWG
COMPUTER DESIGNATION
SCALE: 1:50
SPECIFICATIONS

N = 402690.8644
E = 418272.6092
PI 176+35.07
Δ = 34°28'24"
T = 31.03
L = 60.17
R = 100.00

N = 402940.2011
E = 418620.4590
PI 180+61.17
Δ = 34°28'24"
T = 31.03
L = 60.17
R = 100.00

N = 403157.5169
E = 418923.6365
PI 184+50.89
Δ = 34°28'24"
T = 31.03
L = 60.17
R = 100.00

CHILD & FAMILY DEVELOPMENT CENTER

ELSIE OBERG COMMUNITY CENTER

R/W

MATCHLINE - STA. 176+50

P.T. STA = 176+64.21

N54°22'02"E

180+00

P.C. STA = 180+30.14

P.R.C. STA = 180+90.31

P.T. STA = 181+29.94

N49°13'50"E

P.I. STA = 183+15.03

P.C. STA = 183+80.24

185+00

N54°22'02"E

410+00

OLD GLENN HIGHWAY

N54°22'02"E

415+00

N59°58'26"E

P.I. STA = 182+01.09

P.R.C. STA = 184+19.87

P.T. STA = 184+80.03

MATCHLINE - STA. 189+00

P.C. STA = 188+95.88

R/W

CHUGIAK VIDEO STORE

FAUX STUD 10

GIFT SHOP

BOULDER

WELL

BENDING BIRCH DRIVE

GOLDEN WHEEL AMUSEMENTS

SWANEE COURT

KENNEL

OLD SPICE

N = 402941.2346
E = 418671.5262
PI 181+10.36
Δ = 21°37'25"
T = 20.05
L = 39.63
R = 105.00

N = 403109.4874
E = 418906.2557
PI 184+00.29
Δ = 21°37'25"
T = 20.05
L = 39.63
R = 105.00

V.P.I. STA. 178+95.06
GRADE BREAK
ELEV = 377.18

V.P.I. STA. 180+30.15
GRADE BREAK
ELEV = 379.80

V.P.I. STA. 181+29.94
GRADE BREAK
ELEV = 381.09
END PATHWAY

V.P.I. STA. 182+01.09
GRADE BREAK
ELEV = 382.11
BEGIN PATHWAY

V.P.I. STA. 183+15.03
GRADE BREAK
ELEV = 383.27
END PATHWAY

V.P.I. STA. 183+80.24
GRADE BREAK
ELEV = 384.02
BEGIN PATHWAY

V.P.I. STA. 184+79.94
GRADE BREAK
ELEV = 384.53

V.P.I. STA. 187+63.32
ELEV = 387.01
30' V.C.

V.P.C. STA. 188+34.05
GRADE BREAK
ELEV = 387.75
BEGIN PATHWAY

V.P.I. STA. 188+41.55
ELEV = 387.70
15' V.C.

V.P.I. STA. 188+03.74
ELEV = 387.95
15' V.C.

V.P.T. STA. 188+11.24
GRADE BREAK
ELEV = 387.90
END PATHWAY

V.P.I. STA. 188+66.82
ELEV = 388.71
30' V.C.

PATHWAY FINISHED GRADE

PATHWAY ORIGINAL GROUND

2.59%
1.94%
1.29%
1.43%
1.02%
1.15%
0.52%
0.88%
2.32%
0.66%
4.01%
.93%

405
400
395
390
385
380
375
370
365

180+00
185+00

SHEET NO.	TOTAL SHEETS
G9	G33
STATE	YEAR
ALASKA	2009

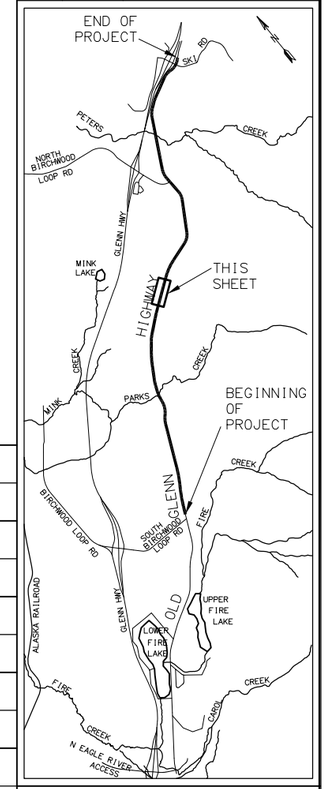
PROJECT DESIGNATION
STP-0558(X)/50946

ADDENDUM NO.

ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION



STATE OF ALASKA
49TH
JUSTIN T. KEENE
CE 11775
REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY
CRW ENGINEERING GROUP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

AMATS: OLD GLENN HIGHWAY
S. BIRCHWOOD LOOP TO
PETERS CREEK

PATHWAY PLAN AND PROFILE

DESIGNED BY	BCM
CHECKED BY	BKM
DRAFTED BY	SMD
DATE DRAFTED:	07/31/2009
LAYOUT:	F9
PLOT SCALE:	1:1
	20scBPnch HP DWG
SPECIFICATIONS	
SCALE:	1:500
COMPUTER DESIGNATION	

N = 403488.8972
E = 419385.9453
PI 190+17.82
Δ = 04°34'28"
T = 121.94
L = 243.75
R = 3053.00

N = 403568.3623
E = 419517.8930
PI 191+71.72
Δ = 35°35'00"
T = 32.09
L = 62.10
R = 100.00

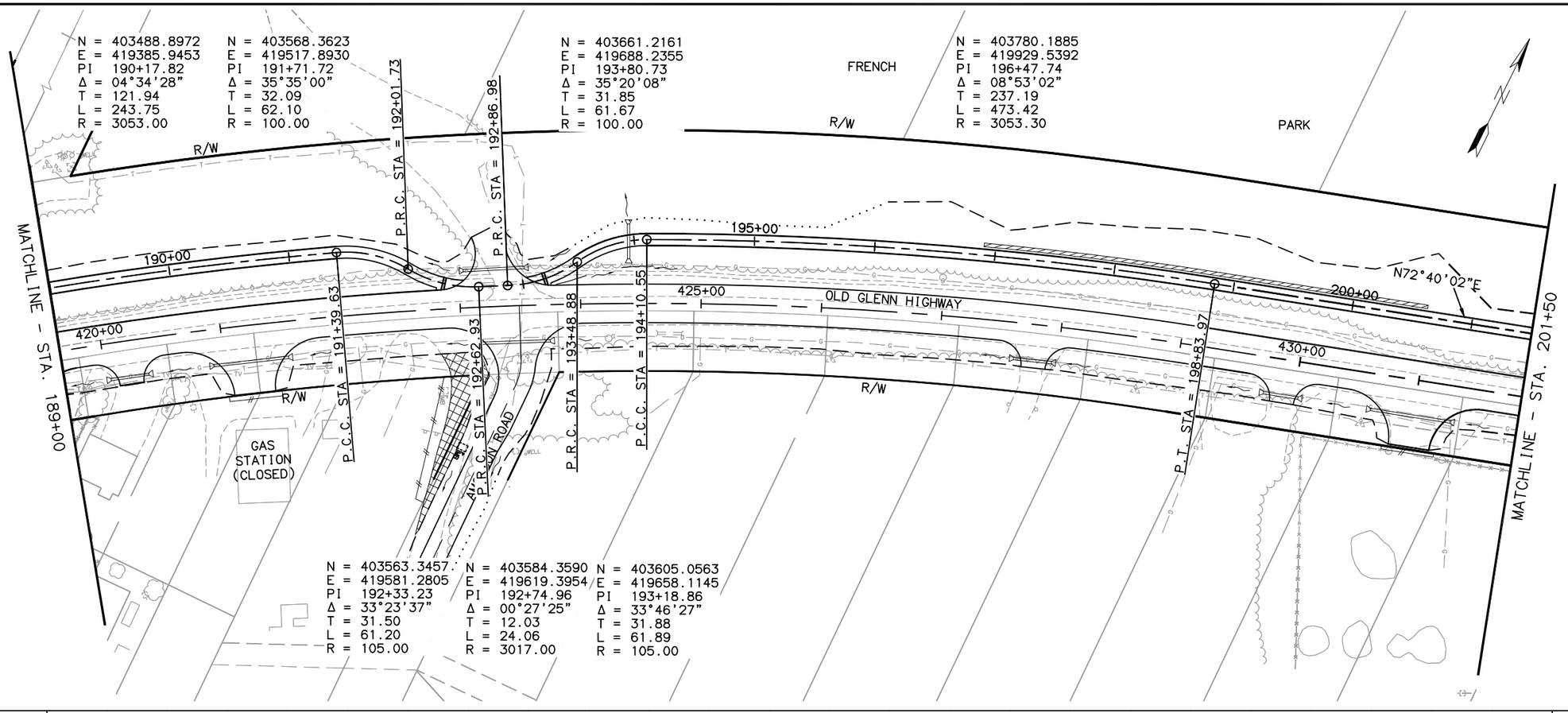
N = 403661.2161
E = 419688.2355
PI 193+80.73
Δ = 35°20'08"
T = 31.85
L = 61.67
R = 100.00

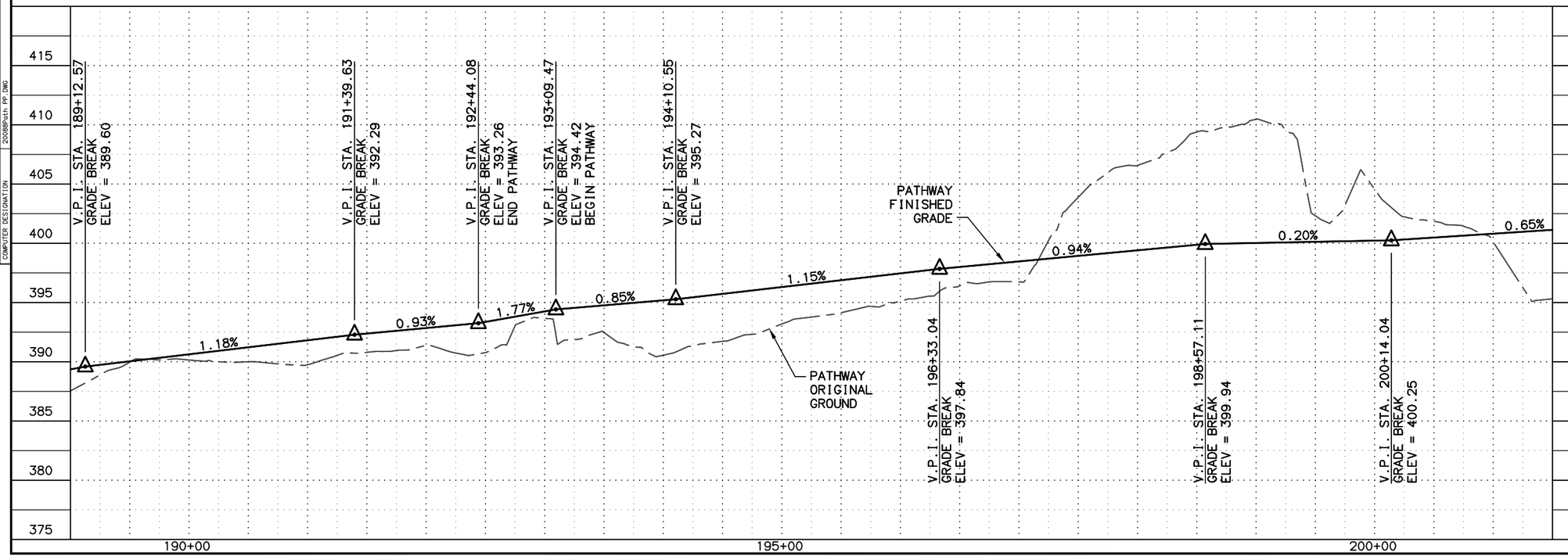
N = 403780.1885
E = 419929.5392
PI 196+47.74
Δ = 08°53'02"
T = 237.19
L = 473.42
R = 3053.30

N = 403563.3457
E = 419581.2805
PI 192+33.23
Δ = 33°23'37"
T = 31.50
L = 61.20
R = 105.00

N = 403584.3590
E = 419619.3954
PI 192+74.96
Δ = 00°27'25"
T = 12.03
L = 24.06
R = 3017.00

N = 403605.0563
E = 419658.1145
PI 193+18.86
Δ = 33°46'27"
T = 31.88
L = 61.89
R = 105.00





SHEET NO.	TOTAL SHEETS
G10	G33
STATE	YEAR
ALASKA	2009

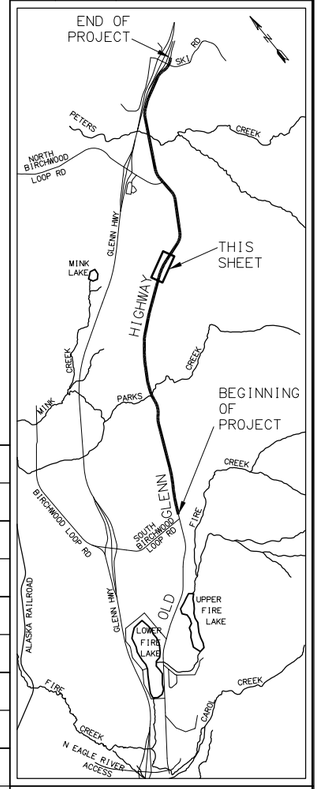
PROJECT DESIGNATION
STP-0558(X)/50946

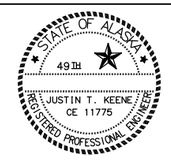
ADDENDUM NO.

ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION





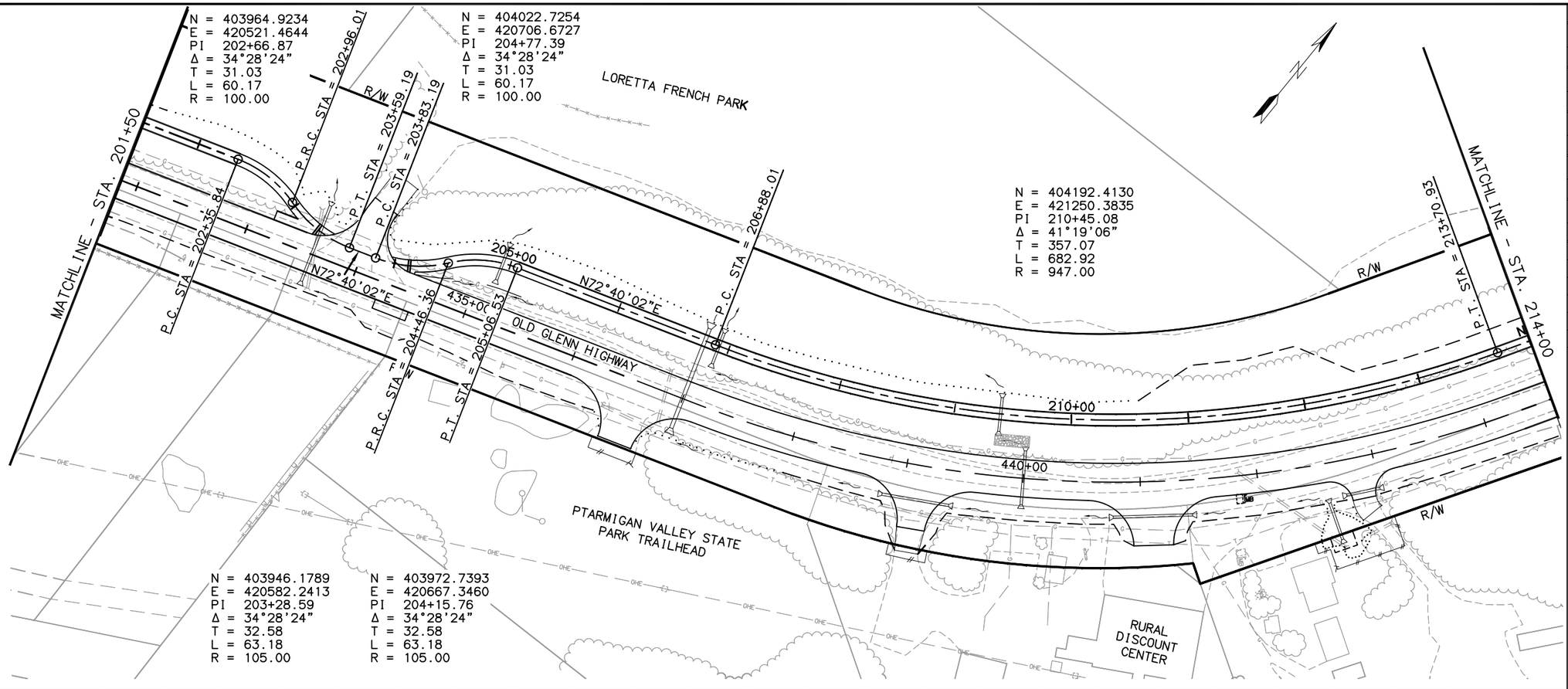
PLANS DEVELOPED BY
CRW ENGINEERING GROUP

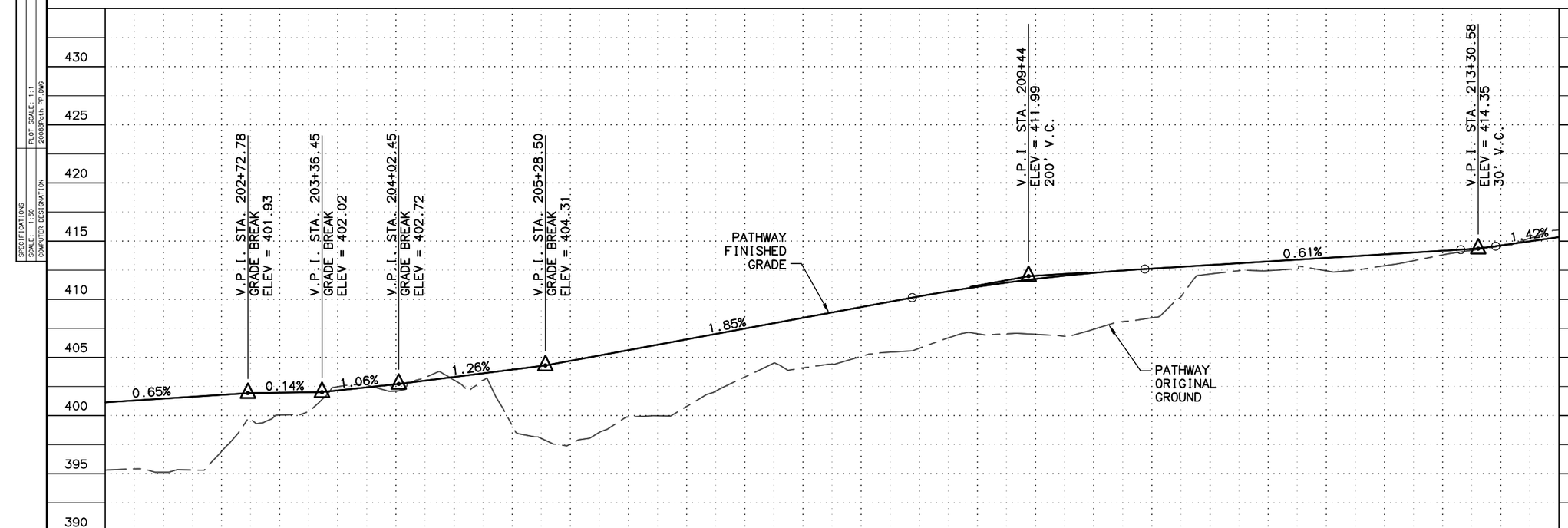
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

AMATS: OLD GLENN HIGHWAY
S. BIRCHWOOD LOOP TO
PETERS CREEK

PATHWAY PLAN AND PROFILE

DESIGNED BY	BKM
CHECKED BY	BKM
DRAFTED BY	SMB
DATE DRAFTED:	07/31/2009
LAYOUT:	F10
PLOT SCALE:	1:1
2008Default.PP.DWG	
SPECIFICATIONS	
SCALE:	1:50
COMPUTER DESIGNATION	





SHEET NO.	TOTAL SHEETS
G11	G33
STATE	YEAR
ALASKA	2009

PROJECT DESIGNATION

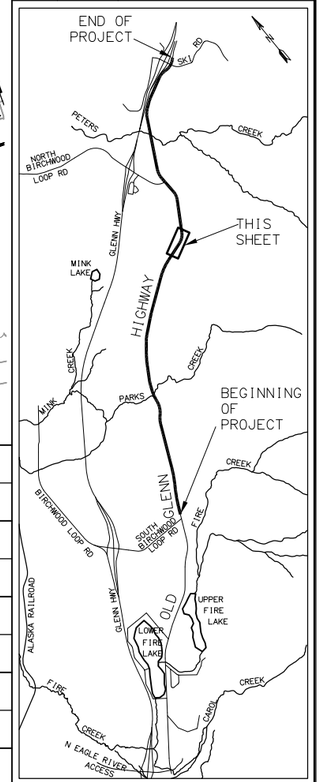
STP-0558(X)/50946

ADDENDUM NO.

ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION



STATE OF ALASKA
49TH
JUSTIN T. KEENE
CE 11775
REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY
CRW ENGINEERING GROUP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

AMATS: OLD GLENN HIGHWAY
S. BIRCHWOOD LOOP TO
PETERS CREEK

PATHWAY PLAN AND PROFILE

SPECIFICATIONS	
SCALE: 1:50	PLOT SCALE: 1:1
COMPUTER DESIGNATION	2008Sheet FP.DWG
DESIGNED BY	BDM
CHECKED BY	BDM
DRAFTED BY	SMD
DATE DRAFTED:	07/31/2009
LAYOUT:	F11

N = 404716.2708
E = 421569.5084
PI 216+27.27
Δ = 34°28'24"
T = 31.03
L = 60.17
R = 100.00

N = 404888.2082
E = 421660.1983
PI 218+38.40
Δ = 34°28'24"
T = 31.03
L = 60.17
R = 100.00

N = 405214.6698
E = 421859.0729
PI 222+18.79
Δ = 03°48'51"
T = 6.66
L = 13.31
R = 200.00

N = 405413.1461
E = 421994.0325
PI 224+58.89
Δ = 34°28'24"
T = 31.03
L = 60.17
R = 100.00

MATCHLINE - STA. 214+00

P.R.C. STA = 216+56.41
P.T. STA = 216+96.03
P.C. STA = 217+67.75
P.R.C. STA = 218+07.38
P.T. STA = 218+67.54
P.C. STA = 222+12.13
P.T. STA = 222+25.44
P.C. STA = 223+92.52
P.T. STA = 224+05.83
P.R.C. STA = 224+88.04
P.T. STA = 225+51.21
P.C. STA = 225+75.21
P.R.C. STA = 226+50.91
P.C. STA = 224+27.87
P.R.C. STA = 226+38.39

R/W
N31°20'57"E
215+00
220+00
225+00
N21°42'59"E
N35°09'47"E
445+00
450+00
455+00
Clearance 22.9 Ft.
Clearance 17.1 Ft.
OLD GLENN HIGHWAY
CENTRAL
PRODUCTS
J & S AUTO REPAIR
GAS STATION
GROCERY STORE
SKYVIEW AVENUE
SEWER
GAS
TV
OHP
UGP

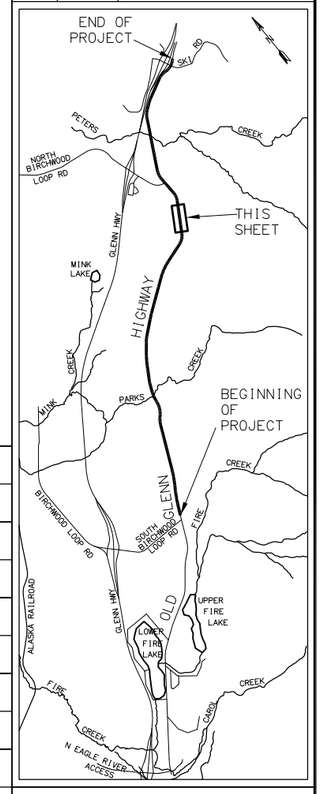
N = 404737.1905 PAVING
E = 421616.1055
PI 216+76.46
Δ = 21°37'25"
T = 20.05
L = 39.63
R = 105.00

N = 404837.2065
E = 421662.9821
PI 217+87.80
Δ = 21°37'25"
T = 20.05
L = 39.63
R = 105.00

N = 405362.1495
E = 421962.9663
PI 223+99.18
Δ = 03°48'51"
T = 6.66
L = 13.31
R = 200.00

N = 405439.1954
E = 422052.0551
PI 225+20.61
Δ = 34°28'24"
T = 32.58
L = 63.18
R = 105.00

N = 405515.3333
E = 422098.4370
PI 226+07.78
Δ = 34°28'24"
T = 32.58
L = 63.18
R = 105.00



SHEET NO.	TOTAL SHEETS
G12	G33
STATE	YEAR
ALASKA	2009

PROJECT DESIGNATION
STP-0558(X)/50946

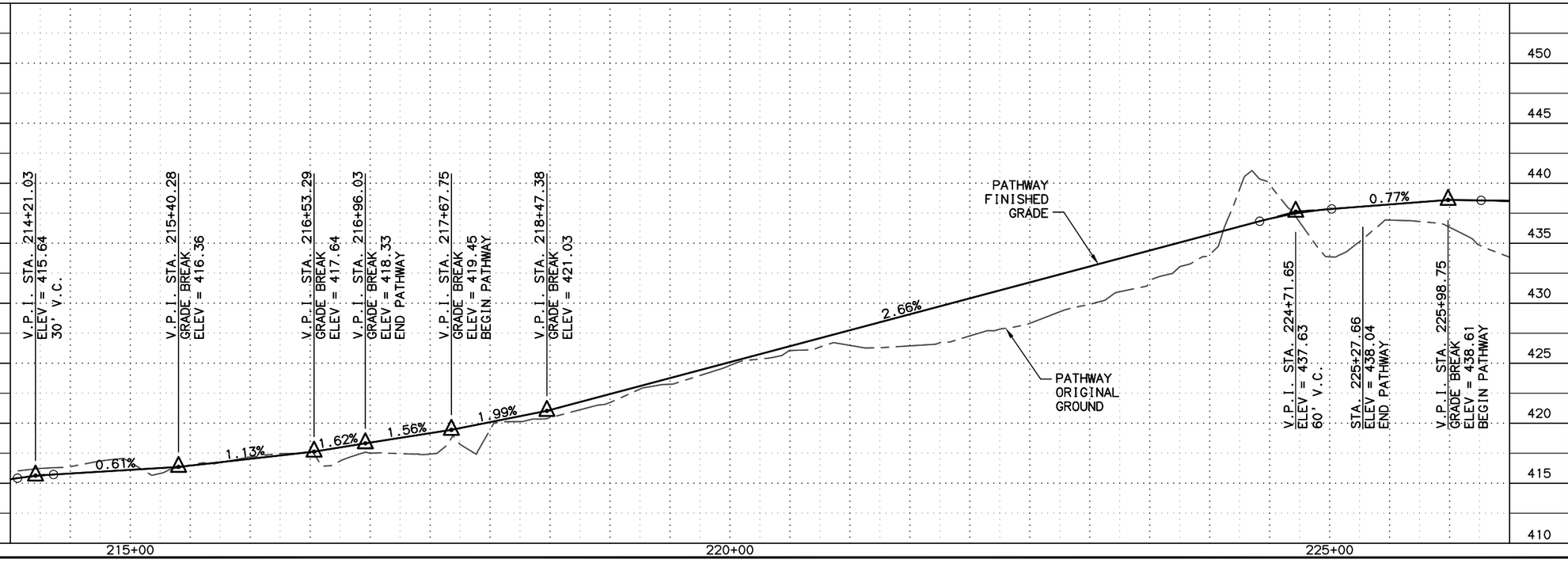
ADDENDUM NO.

ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION

DESIGNED BY BDM
CHECKED BY BDM
DRAFTED BY SMD
DATE DRAFTED: 07/31/2009
LAYOUT: F12
PLOT SCALE: 1:1
2008Prch PP.DWG
COMPUTER DESIGNATION
SPECIFICATIONS
SCALE: 1:50



STATE OF ALASKA
49TH
JUSTIN T. KEENE
CE 11775
REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY
CRW ENGINEERING GROUP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

AMATS: OLD GLENN HIGHWAY
S. BIRCHWOOD LOOP TO
PETERS CREEK

PATHWAY PLAN AND PROFILE

N = 405578.8406
E = 422094.9706
PI 226+69.41
Δ = 34°28'24"
T = 31.03
L = 60.17
R = 100.00

N31°20'57"E

P.C. STA = 227+32.08

P.C.C. STA = 228+35.74

MATCHLINE – STA. 226+50

P.T. STA = 226+98.55

R/W

AUTOBODY

230+00

460+00

P.T. STA = 232+77.28

R/W

N02°57'43"W 235+00

465+00

OLD GLENN HIGHWAY

R/W

N = 405678.2743
E = 422155.5439
PI 227+83.96
Δ = 06°15'53"
T = 51.88
L = 103.66
R = 948.06

N = 405930.8972
E = 422268.6267
PI 230+60.64
Δ = 26°51'11"
T = 224.90
L = 441.54
R = 942.11

SHERMAN STREET

BIBLE BAPTIST CHURCH

N = 406557.2654
E = 422236.2188
PI 236+79.58
Δ = 36°00'12"
T = 32.50
L = 62.84
R = 100.00

STA 237+75.33=
OGH STA 468+29.96, 33.01' LT
END PATHWAY

NORTH BIRCHWOOD LOOP ROAD

P.R.C. STA = 237+09.93

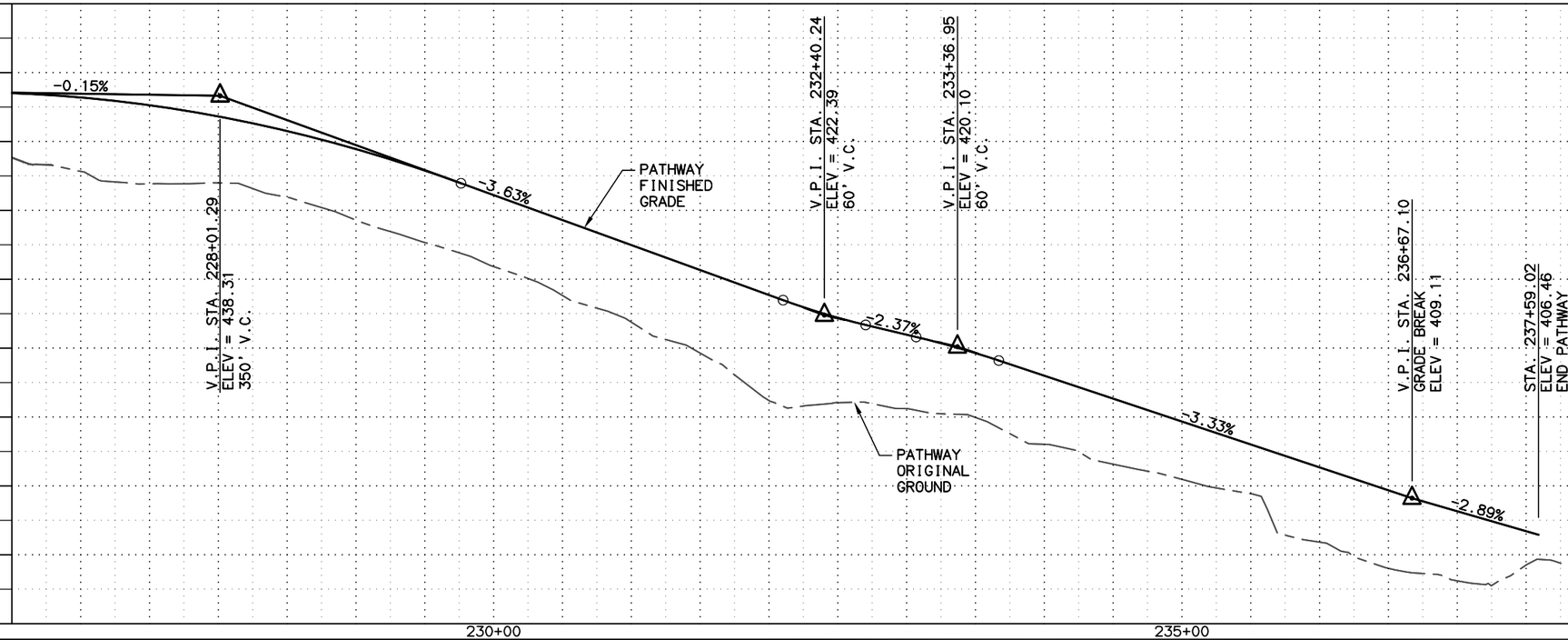
P.C. STA = 236+47.09

P.T. STA = 237+75.32

R/W

APARTMENT BUILDING

N = 406612.8365
E = 422272.3643
PI 237+43.72
Δ = 35°41'03"
T = 33.80
L = 65.39
R = 105.00



SHEET NO.	TOTAL SHEETS
G13	G33
STATE	YEAR
ALASKA	2009

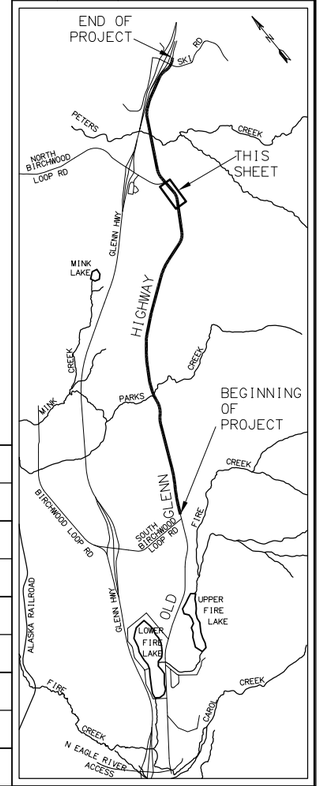
PROJECT DESIGNATION
STP-0558(X)/50946

ADDENDUM NO.

ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION



STATE OF ALASKA
49TH
JUSTIN T. KEENE
CE 11775
REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY
CRW ENGINEERING GROUP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

AMATS: OLD GLENN HIGHWAY
S. BIRCHWOOD LOOP TO
PETERS CREEK

PATHWAY PLAN AND PROFILE

DESIGNED BY	BCM
CHECKED BY	BCM
DRAFTED BY	SMB
DATE DRAFTED:	07/31/2009
LAYOUT:	F13
PLOT SCALE:	1:1
2008Sheet Fil .DWG	
COMPUTER DESIGNATION	
SCALE:	1:50
SPECIFICATIONS	

SHEET NO.	TOTAL SHEETS
G14	G33
STATE	YEAR
ALASKA	2009

PROJECT DESIGNATION

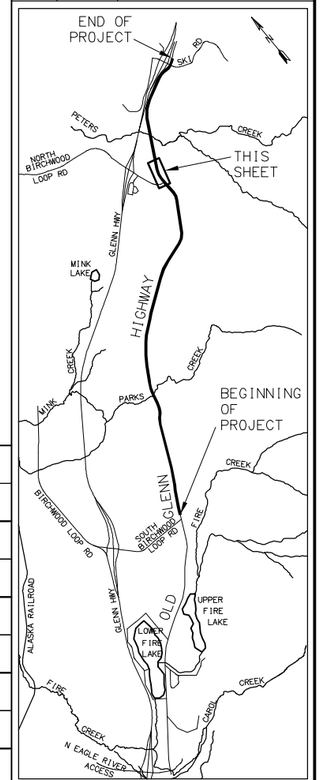
STP-0558(X)/50946

ADDENDUM NO.

ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION



STATE OF ALASKA
49TH
JUSTIN T. KEENE
CE 11775
REGISTERED PROFESSIONAL ENGINEER

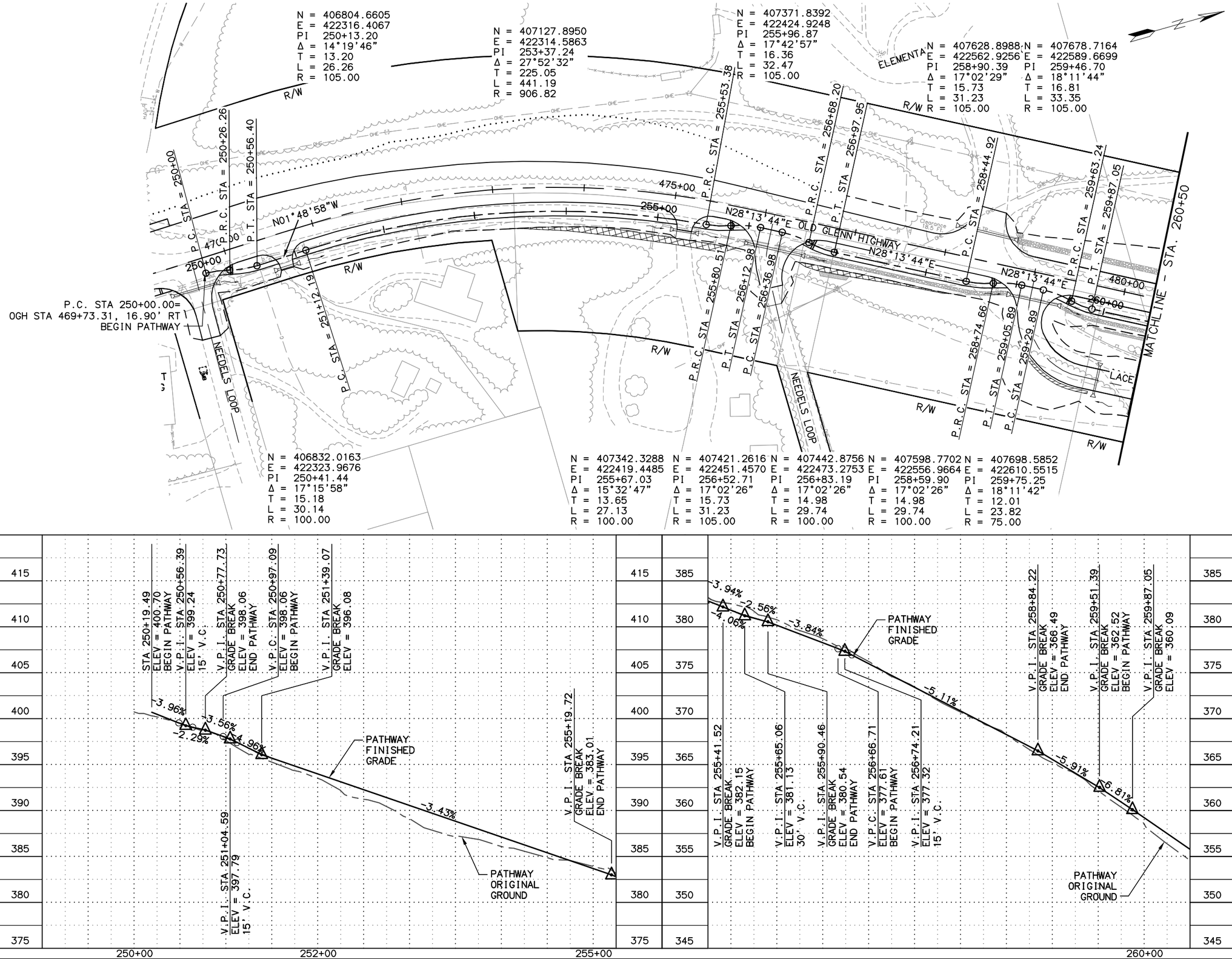
PLANS DEVELOPED BY
CRW ENGINEERING GROUP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

AMATS: OLD GLENN HIGHWAY
S. BIRCHWOOD LOOP TO
PETERS CREEK

PATHWAY PLAN AND PROFILE

DESIGNED BY	BCW
CHECKED BY	RMH
DRAFTED BY	SMB
DATE DRAFTED:	07/31/2009
LAYOUT:	F14
PLOT SCALE:	1:1
COMPUTER DESIGNATION	2008BRIAN_PP.DWG
SPECIFICATIONS	
SCALE:	1"=50'



SHEET NO.	TOTAL SHEETS
G15	G33
STATE	YEAR
ALASKA	2009

PROJECT DESIGNATION

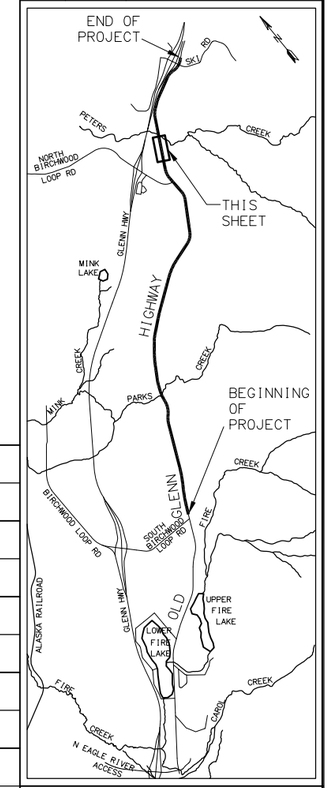
STP-0558(X)/50946

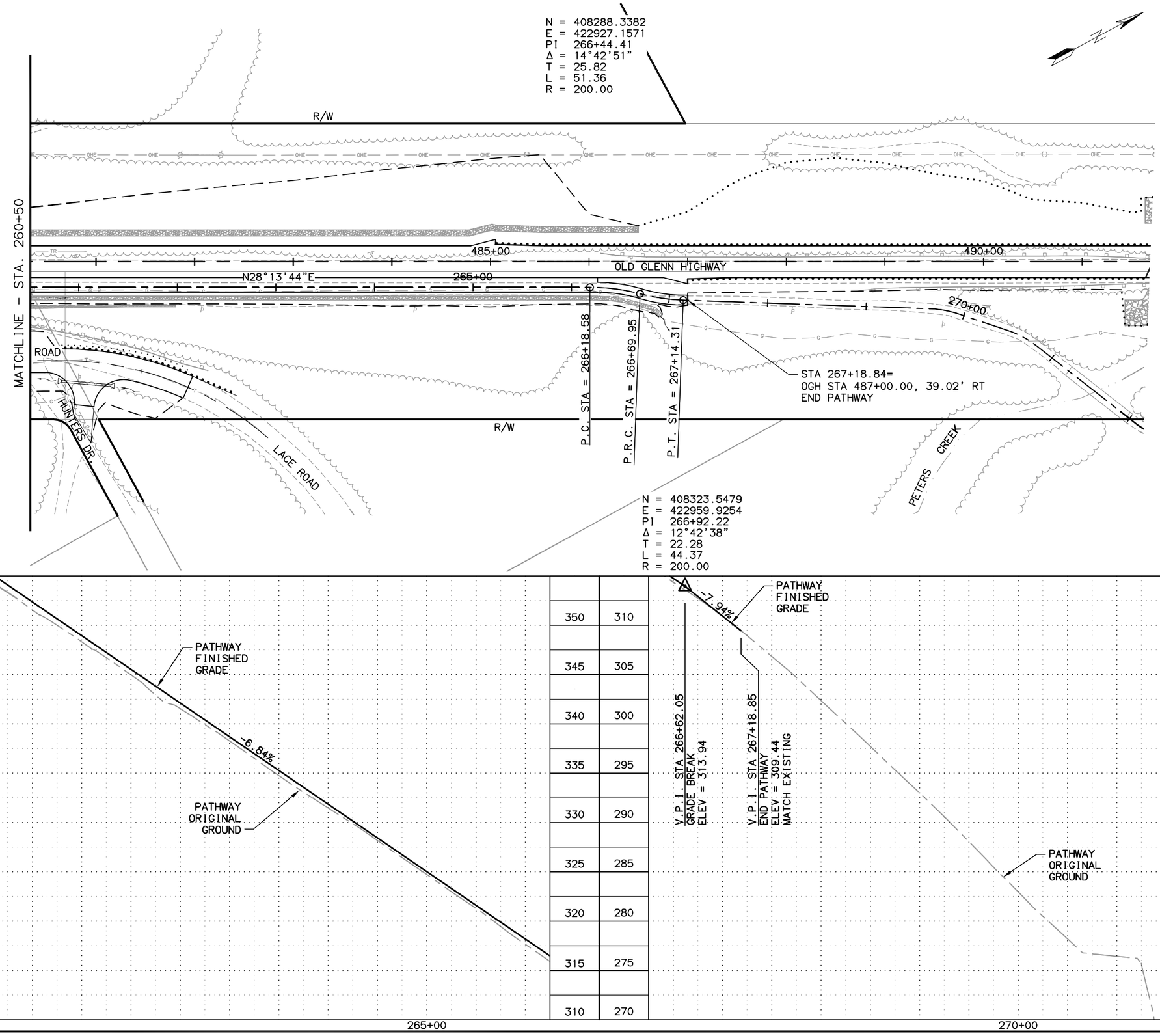
ADDENDUM NO.

ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION





STATE OF ALASKA
49TH
JUSTIN T. KEENE
CE 11775
REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY
CRW ENGINEERING GROUP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

AMATS: OLD GLENN HIGHWAY
S. BIRCHWOOD LOOP TO
PETERS CREEK

PATHWAY PLAN AND PROFILE

DESIGNED BY	BDM
CHECKED BY	BDM
DRAFTED BY	SMB
DATE DRAFTED:	07/31/2009
LAYOUT:	F15
PLOT SCALE:	1:1
	2008Signature PP.DWG
SPECIFICATIONS	
SCALE:	1"=50'
COMPUTER DESIGNATION	

SHEET NO.	TOTAL SHEETS
G16	G33
STATE	YEAR
ALASKA	2009

PROJECT DESIGNATION

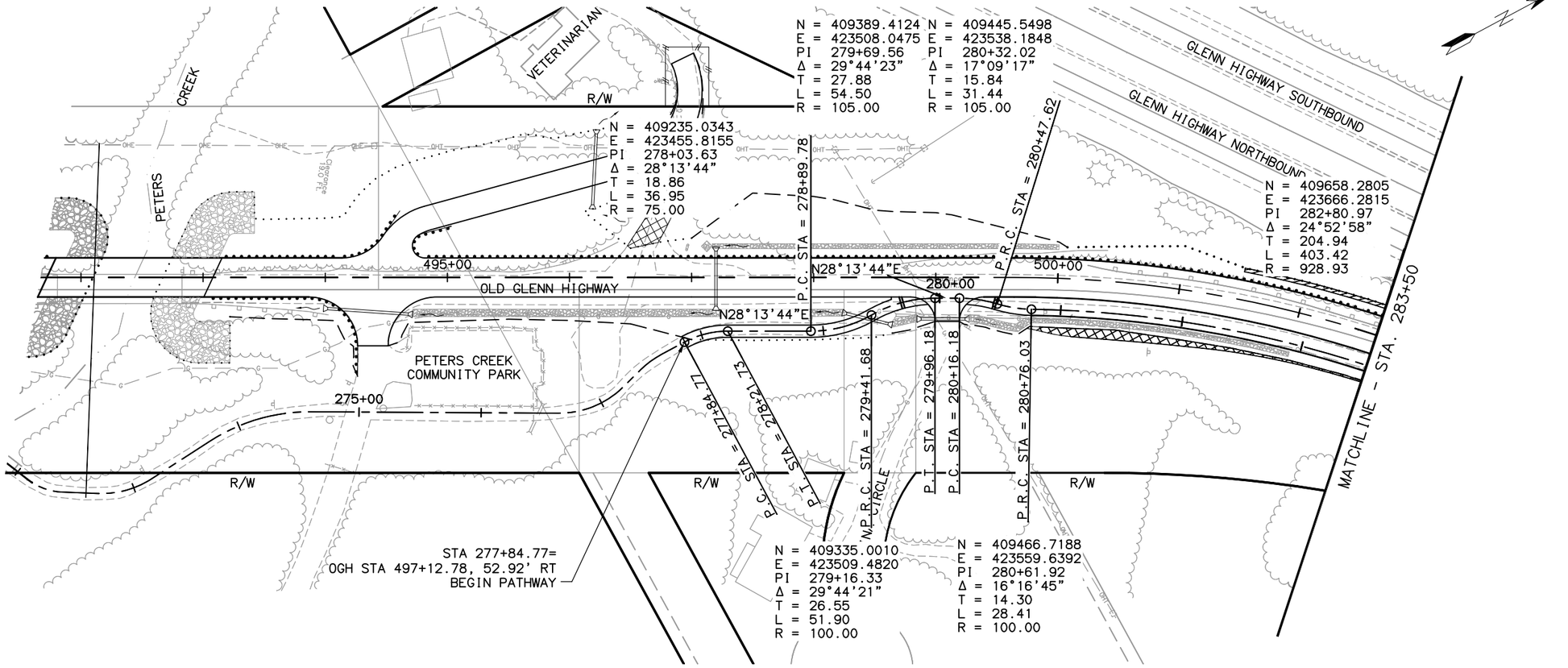
STP-0558(X)/50946

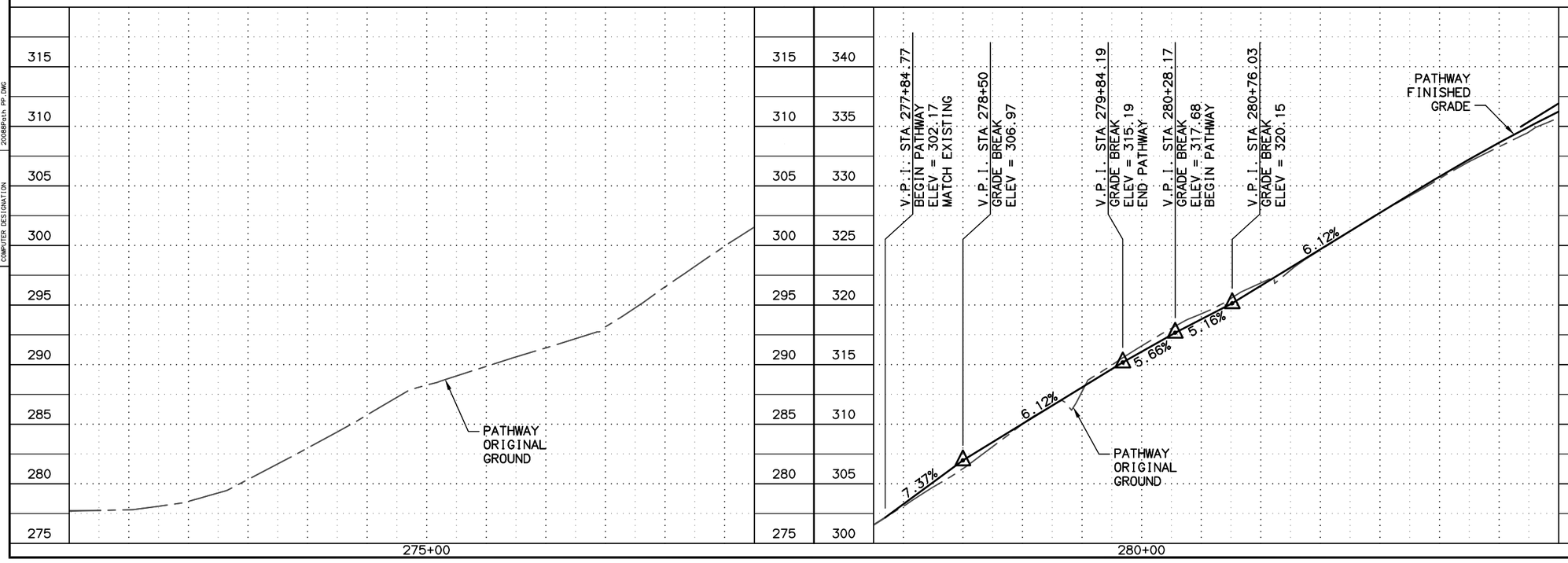
ADDENDUM NO.

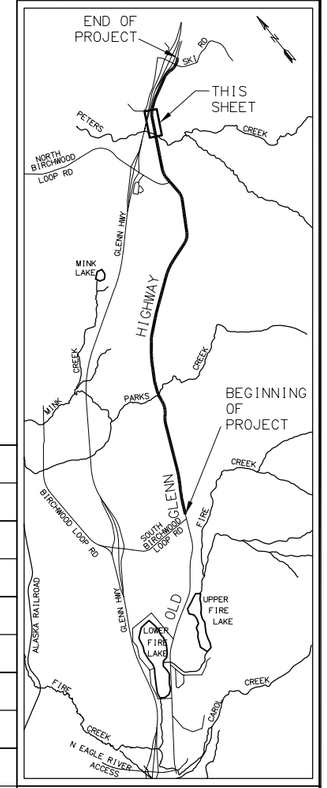
ATTACHMENT NO.

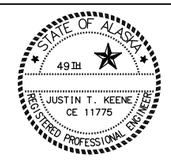
REVISIONS

NO.	DATE	DESCRIPTION









PLANS DEVELOPED BY
CRW ENGINEERING GROUP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

AMATS: OLD GLENN HIGHWAY
S. BIRCHWOOD LOOP TO
PETERS CREEK

PATHWAY PLAN AND PROFILE

DESIGNED BY BCM
CHECKED BY BMH
DRAFTED BY SMB
DATE DRAFTED: 07/31/2009

LAYOUT: F16
PLOT SCALE: 1:1
2008Default.PIP.DWG
COMPUTER DESIGNATION

SPECIFICATIONS
SCALE: 1"=50'

SHEET NO.	TOTAL SHEETS
G17	G33
STATE	YEAR
ALASKA	2009

PROJECT DESIGNATION

STP-0558(X)/50946

ADDENDUM NO.

ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION

GLENN HIGHWAY SOUTHBOUND

GLENN HIGHWAY NORTHBOUND

N = 410043.2148
E = 424195.8551
PI 289+29.20
Δ = 09°27'14"
T = 76.81
L = 153.27
R = 928.93

N = 410259.3991
E = 424608.2158
PI 293+95.49
Δ = 17°02'26"
T = 15.73
L = 31.23
R = 105.00

N = 410294.0991
E = 424677.6353
PI 294+72.87
Δ = 29°44'21"
T = 27.88
L = 54.50
R = 105.00

N = 410238.2200
E = 424585.9750
PI 293+65.00
Δ = 17°02'26"
T = 14.98
L = 29.74
R = 100.00

N = 410291.0792
E = 424731.9813
PI 295+26.04
Δ = 29°44'21"
T = 26.55
L = 51.90
R = 100.00

MATCHLINE - STA. 283+50

MATCHLINE - STA. 296+00

285+00

290+00

505+00

510+00

515+00

N53°59'15"E

N63°26'29"E

OLD GLENN HIGHWAY

P.T. STA = 284+79.45

P.C. STA = 288+52.39

P.T. STA = 290+05.67

P.C. STA = 293+50.02

P.R.C. STA = 293+79.76

P.T. STA = 294+10.99

P.C. STA = 294+44.99

P.R.C. STA = 294+99.49

P.T. STA = 295+51.39

R/W

M & M CRAFTERS

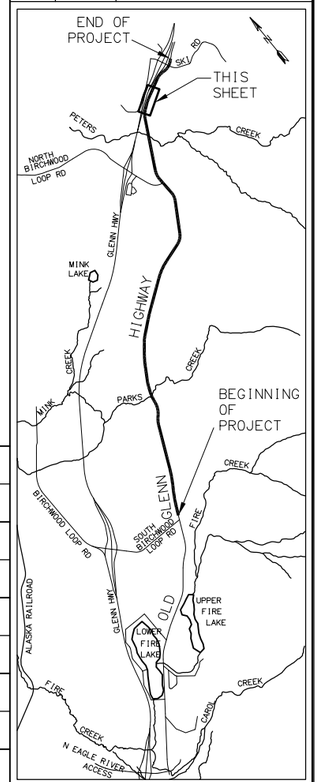
Cell Phone Tower

PETER'S CREEK CHRISTIAN CENTER

CHAPEL DRIVE

HILLTOP DRIVE

OHE



V.P.I. STA 284+05.63
ELEV = 340.32
350' V.C.

V.P.I. STA 288+01.18
GRADE BREAK
ELEV = 351.24

V.P.I. STA 288+85.04
ELEV = 352.93
30' V.C.

V.P.I. STA 290+29.62
GRADE BREAK
ELEV = 357.47

V.P.I. STA 291+42.32
ELEV = 360.47
180' V.C.

V.P.I. STA 293+50.02
GRADE BREAK
ELEV = 355.69

V.P.I. STA 293+87.44
GRADE BREAK
ELEV = 355.10
END PATHWAY

V.P.I. STA 294+68.53
GRADE BREAK
ELEV = 353.66
BEGIN PATHWAY

V.P.I. STA 295+51.24
ELEV = 353.15
100' V.C.

PATHWAY FINISHED GRADE

PATHWAY ORIGINAL GROUND

2.76% 2.02% 3.14% 2.65% -2.30% -1.58% -1.78% -0.62%

375 370 365 360 355 350 345 340 335

285+00 290+00 295+00

STATE OF ALASKA
49TH
JUSTIN T. KEENE
CE 11775
REGISTERED PROFESSIONAL ENGINEER

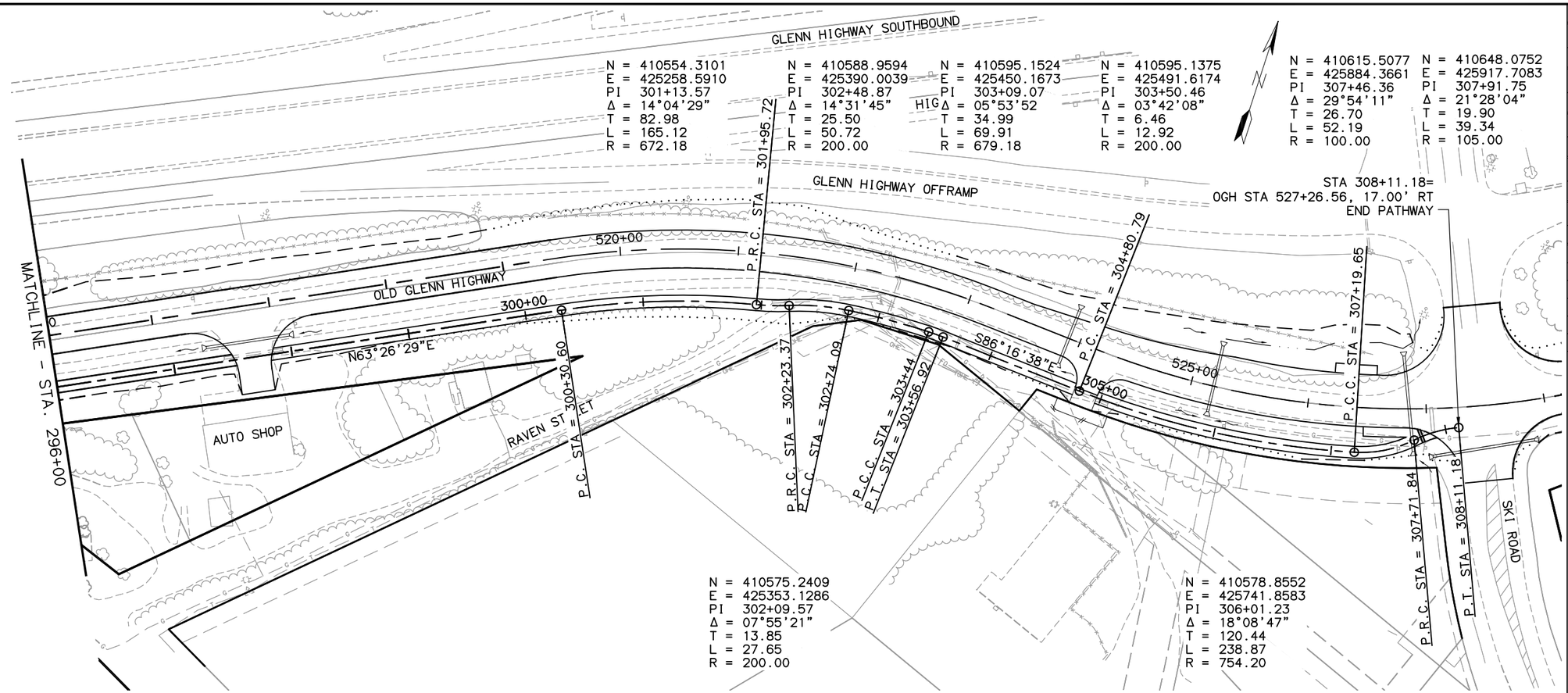
PLANS DEVELOPED BY
CRW ENGINEERING GROUP

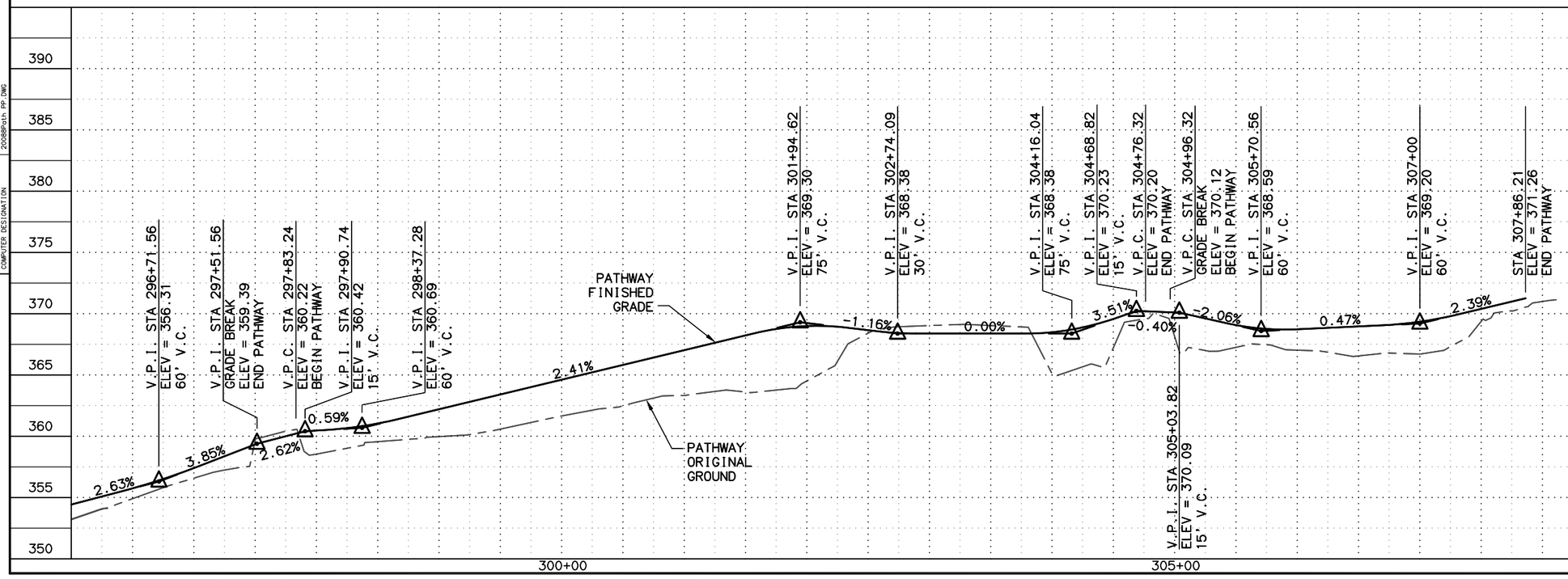
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

AMATS: OLD GLENN HIGHWAY
S. BIRCHWOOD LOOP TO
PETERS CREEK

PATHWAY PLAN AND PROFILE

DESIGNED BY	BCM
CHECKED BY	BKM
DRAFTED BY	SMB
DATE DRAFTED:	07/31/2009
LAYOUT:	F17
PLOT SCALE:	1:1
2009SPGN1 FP.DWG	
SPECIFICATIONS	
SCALE:	1:50
COMPUTER DESIGNATION	





SHEET NO.	TOTAL SHEETS
G18	G33
STATE	YEAR
ALASKA	2009

PROJECT DESIGNATION

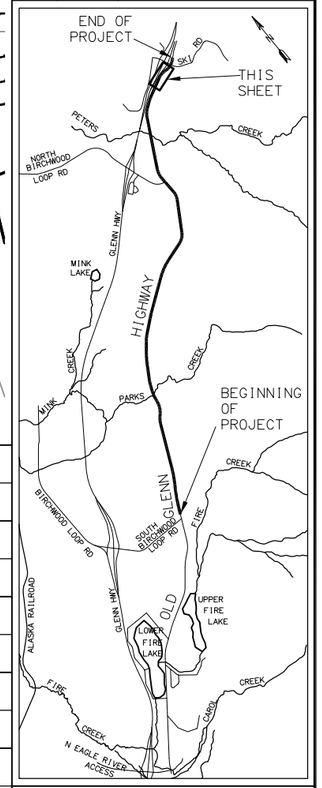
STP-0558(X)/50946

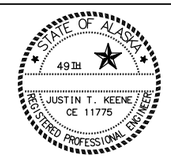
ADDENDUM NO.

ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION





PLANS DEVELOPED BY
CRW ENGINEERING GROUP

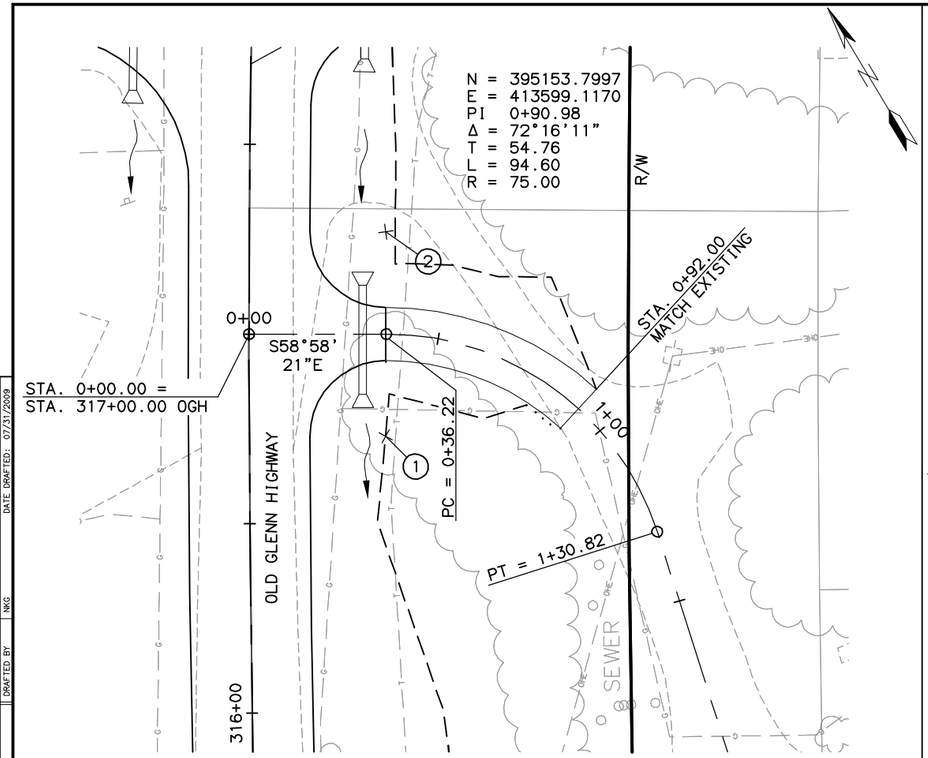
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

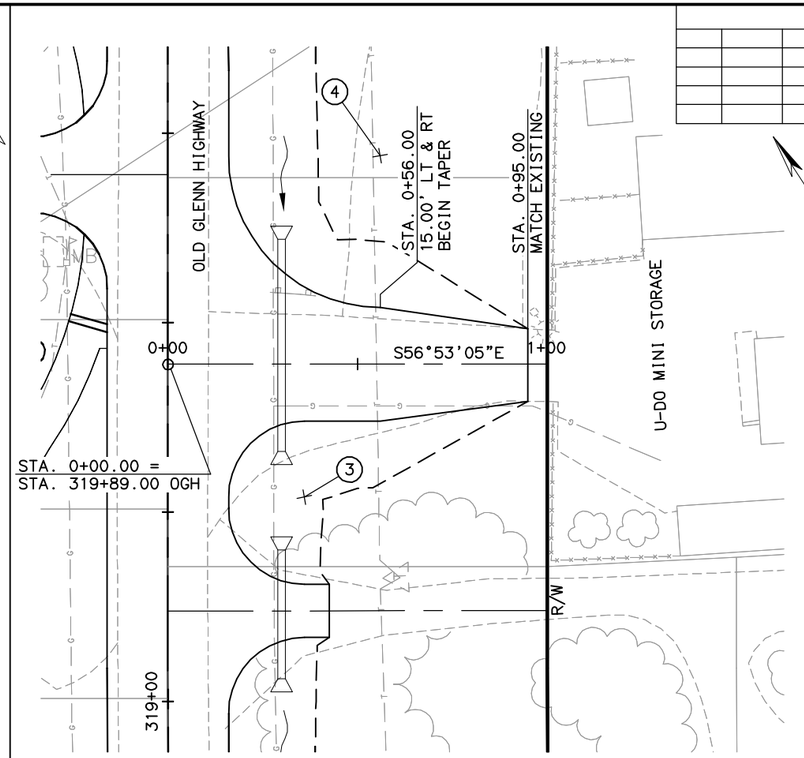
AMATS: OLD GLENN HIGHWAY
S. BIRCHWOOD LOOP TO
PETERS CREEK

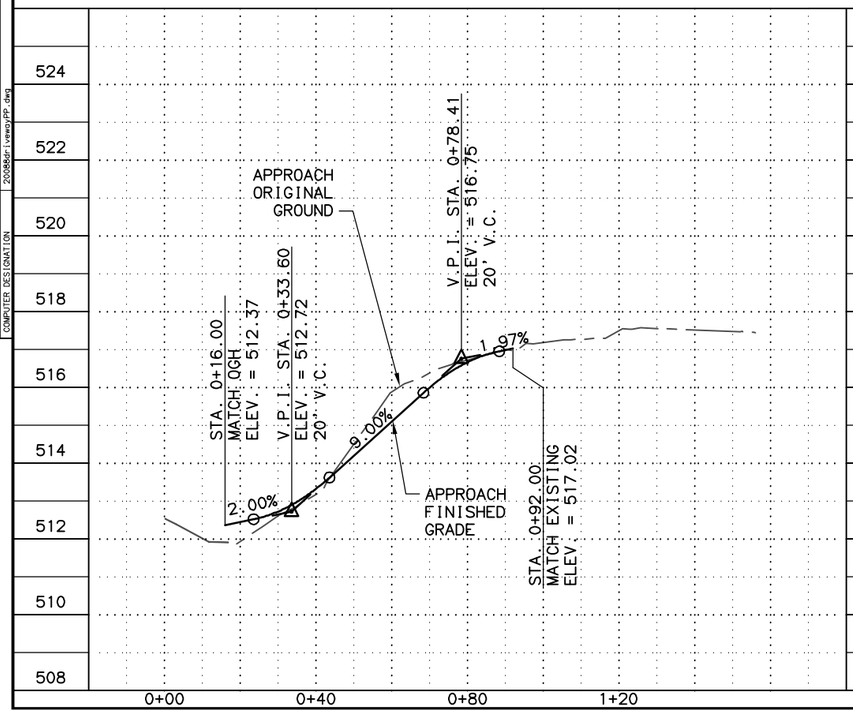
PATHWAY PLAN AND PROFILE

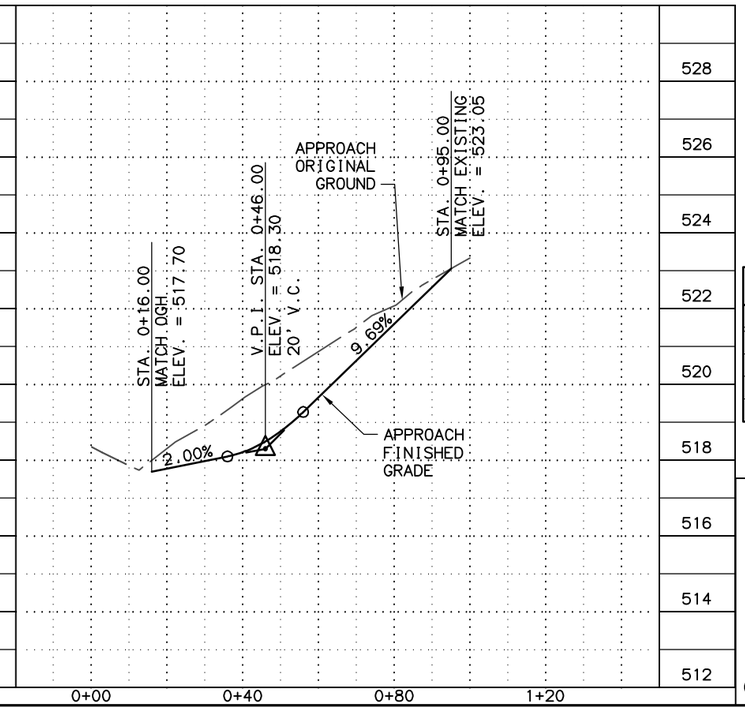
DESIGNED BY	BDM
CHECKED BY	BNM
DRAFTED BY	SMB
DATE DRAFTED:	07/31/2009
LAYOUT:	G33
PLOT SCALE= 1:1	
2008Sprout PP.DWG	
SPECIFICATIONS	
SCALE= 1:50	
COMPUTER DESIGNATION	

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	STP-0558(X)/50946	2009	G19	G33









R.P. SUMMARY				
NUMBER	STATION	OFFSET	RADIUS (FT)	REMARKS
1	316+72.83	36.00' RT	20.00	
2	317+27.17	36.00' RT	20.00	
3	319+54.00	36.00' RT	20.00	
4	320+44.00	56.00' RT	40.00	

STATE OF ALASKA
Shane M. Blanchard
CE 11519
49TH
REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY
CRW ENGINEERING GROUP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

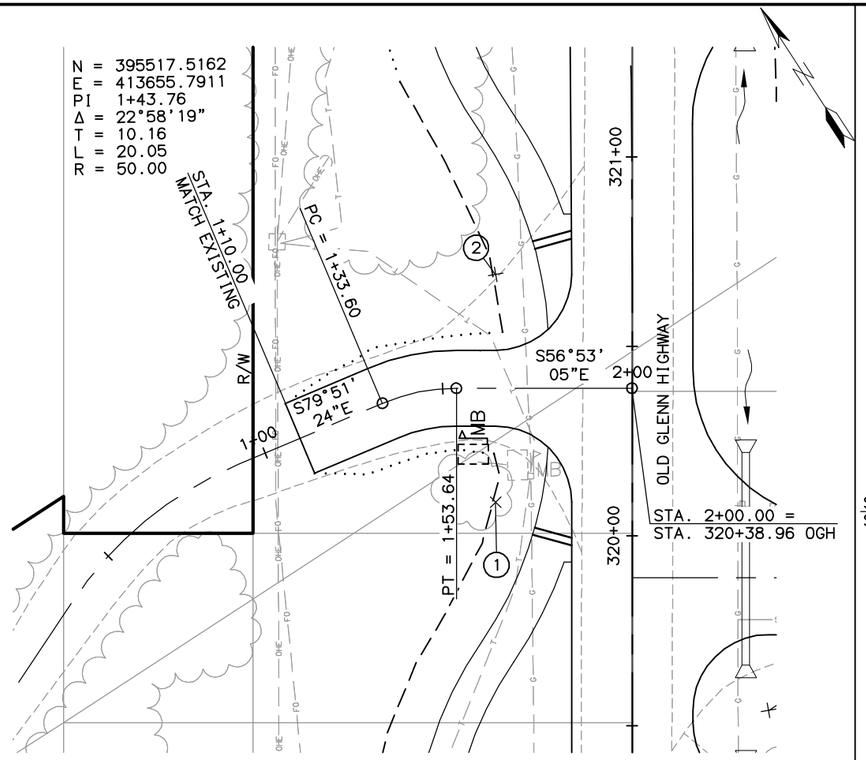
AMATS: OLD GLENN HIGHWAY S. BIRCHWOOD LOOP TO PETERS CREEK

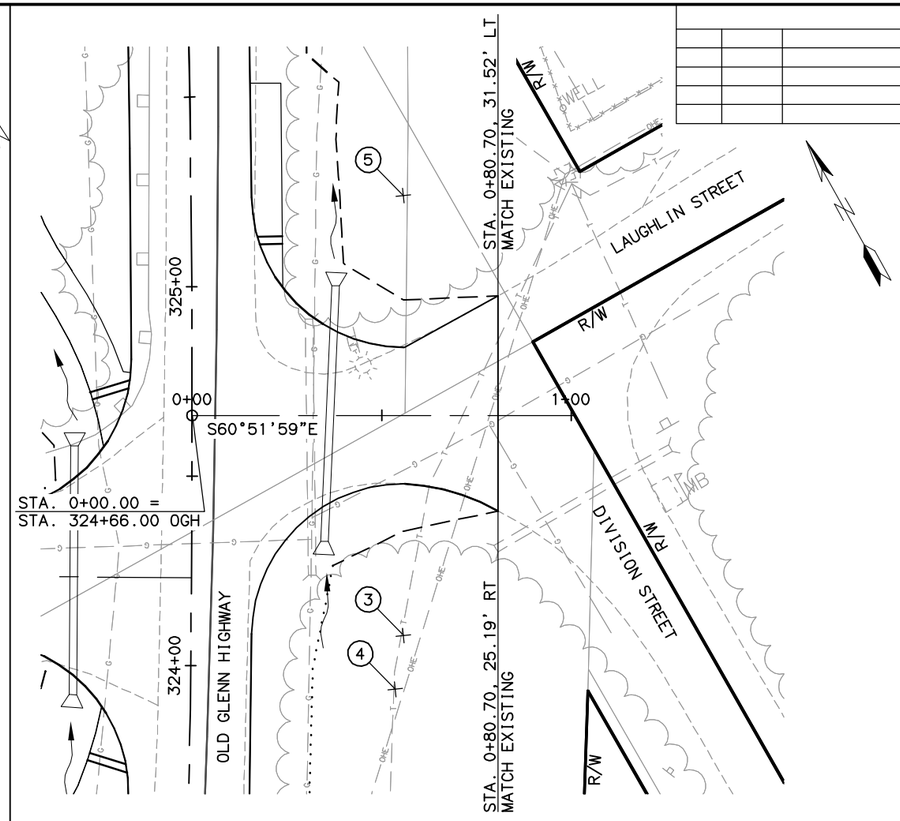
APPROACH PLAN AND PROFILE

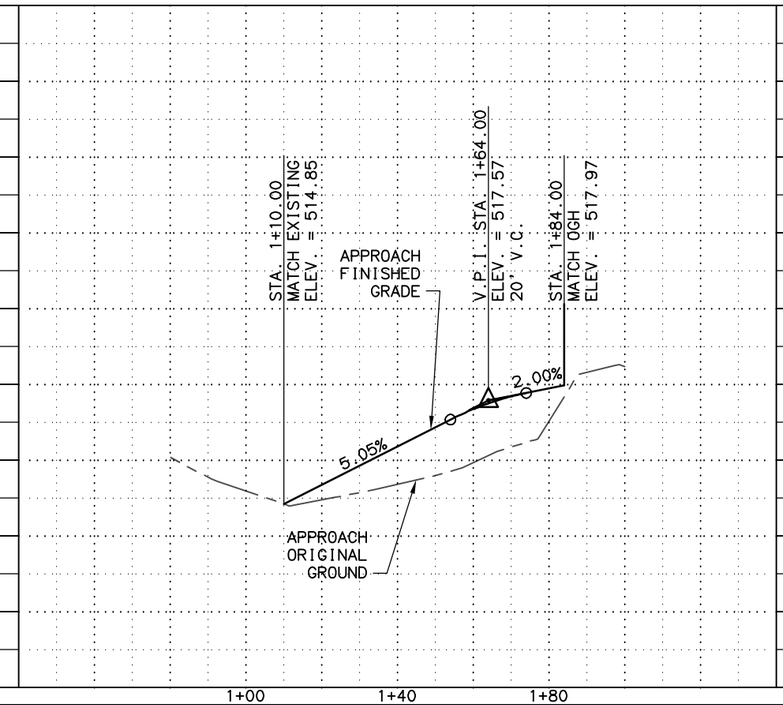
SPECIFICATIONS
SCALE: 1:20
COMPUTER DESIGNATION
PLOT SCALE: 1:1
20586pr1viewpPP.dwg
LAYOUT: B1

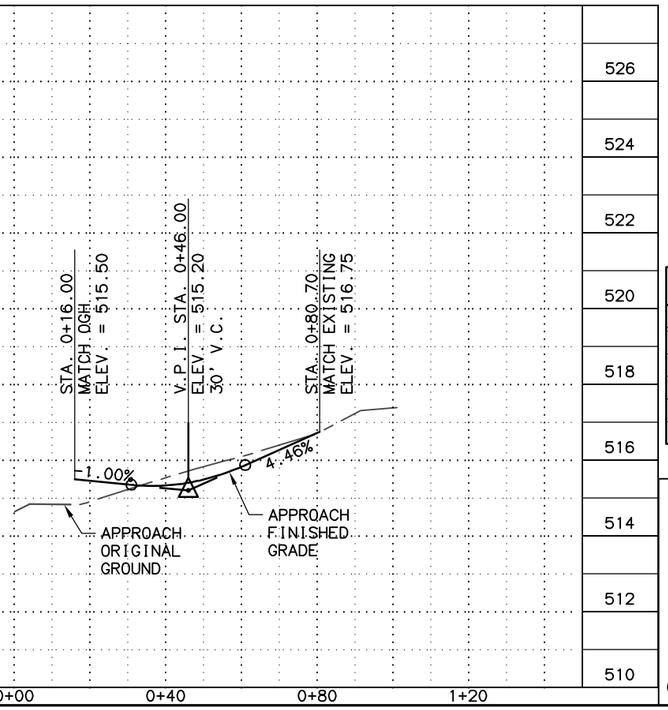
	DESIGNED BY	SMB	DATE DRAFTED: 07/31/2009
	CHECKED BY	BDM	
	DRAFTED BY	NKG	

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	STP-0558(X)/50946	2009	G20	G33









R.P. SUMMARY				
NUMBER	STATION	OFFSET	RADIUS (FT)	REMARKS
1	320+08.96	36.00' LT	20.00	
2	320+68.98	36.00' LT	20.00	
3	324+08.56	56.00' RT	40.00	
4	323+94.45	54.05' RT	54.28	
5	325+23.44	56.00' RT	40.00	

STATE OF ALASKA
49TH
Shane M. Blanchard
CE 11519
REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY
CRW ENGINEERING GROUP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

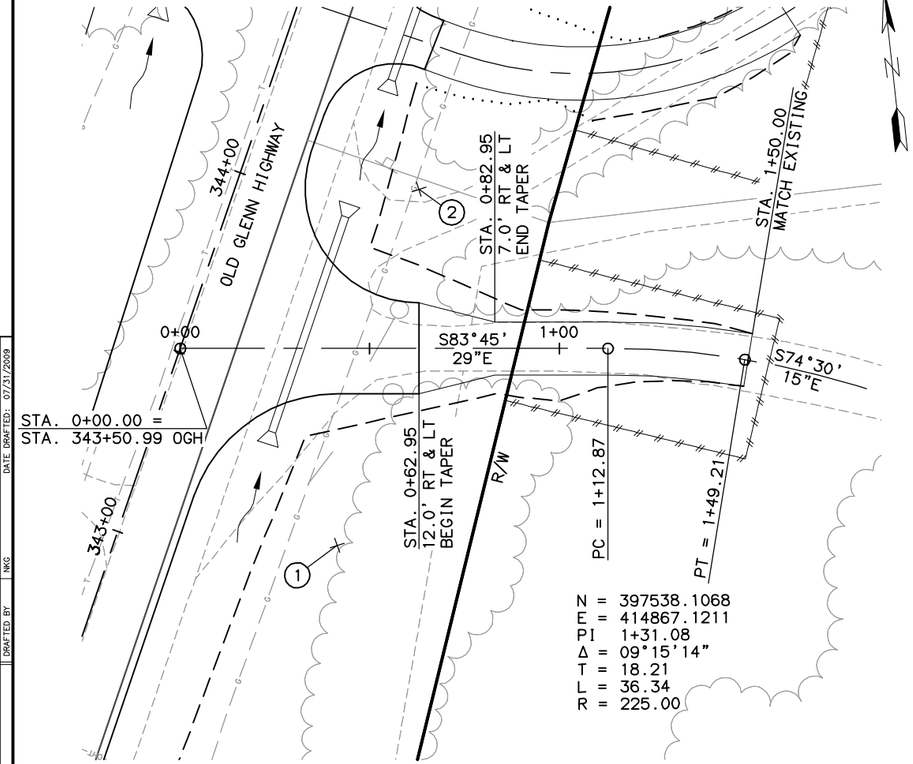
AMATS: OLD GLENN HIGHWAY S. BIRCHWOOD LOOP TO PETERS CREEK

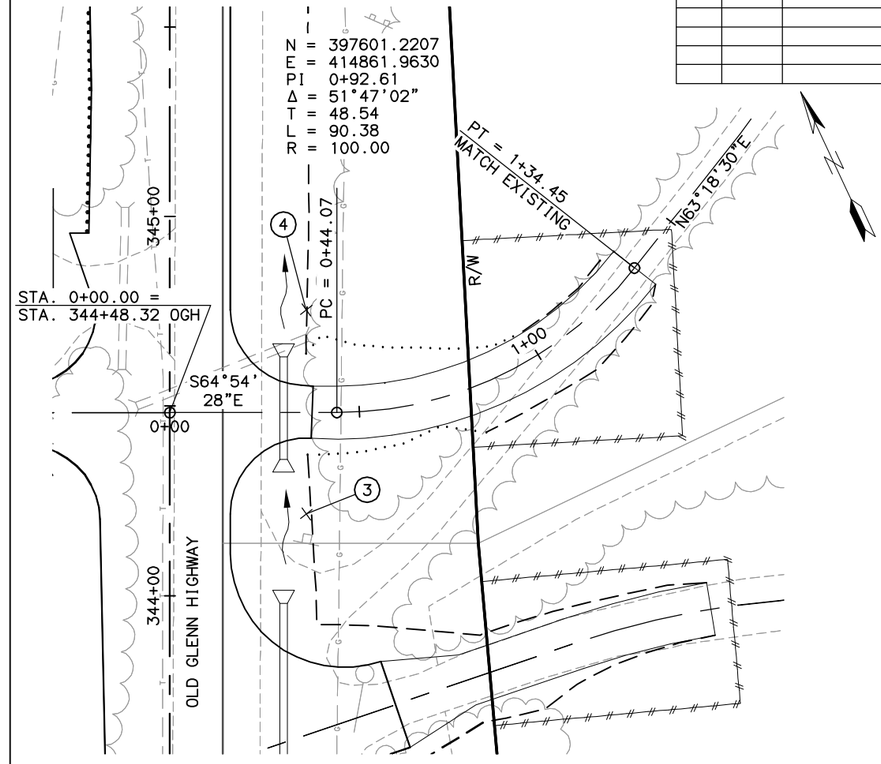
APPROACH PLAN AND PROFILE

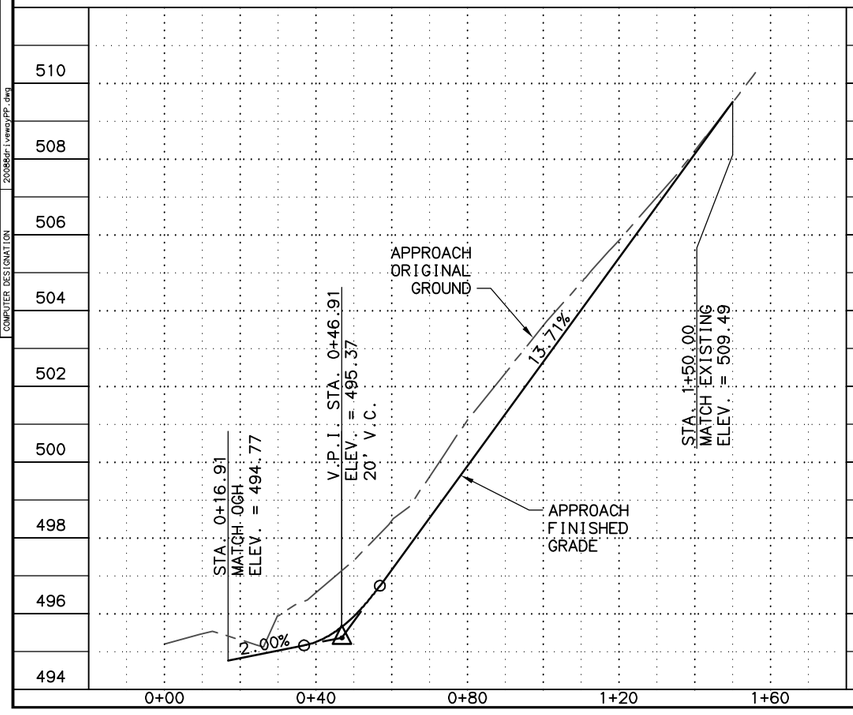
DESIGNED BY	SMB	
CHECKED BY	BDM	
DRAFTED BY	NKG	DATE DRAFTED: 07/31/2009

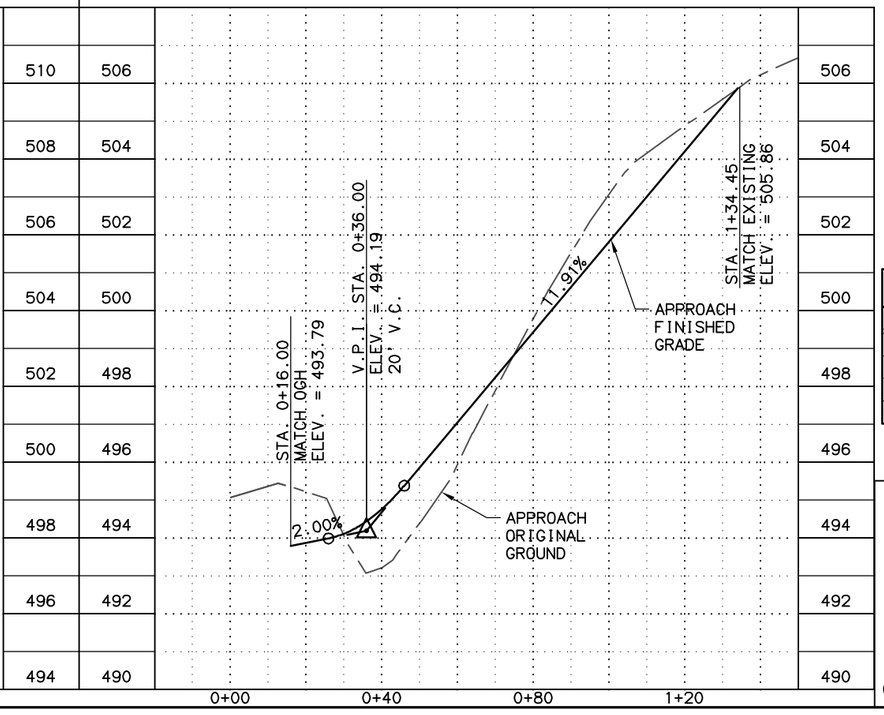
PLOT SCALE: 1:1
LAYOUT: B1
20986profileapp.dwg
SPECIFICATIONS
SCALE: 1:20
COMPUTER DESIGNATION

			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	STP-0558(X)/50946	2009	G21	G33









R.P. SUMMARY

NUMBER	STATION	OFFSET	RADIUS (FT)	REMARKS
1	343+15.17	56.00' RT	40.00	
2	344+11.08	46.00' RT	30.00	
3	344+21.57	36.00' RT	20.00	
4	344+75.40	36.00' RT	20.00	

PLANS DEVELOPED BY
CRW ENGINEERING GROUP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

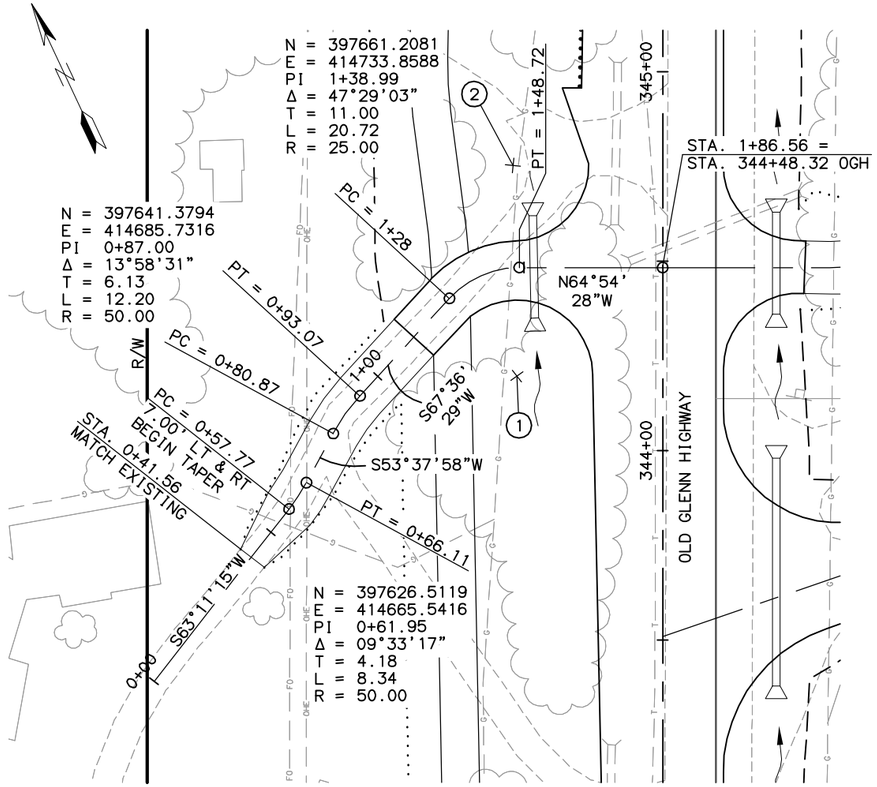
AMATS: OLD GLENN HIGHWAY S. BIRCHWOOD LOOP TO PETERS CREEK

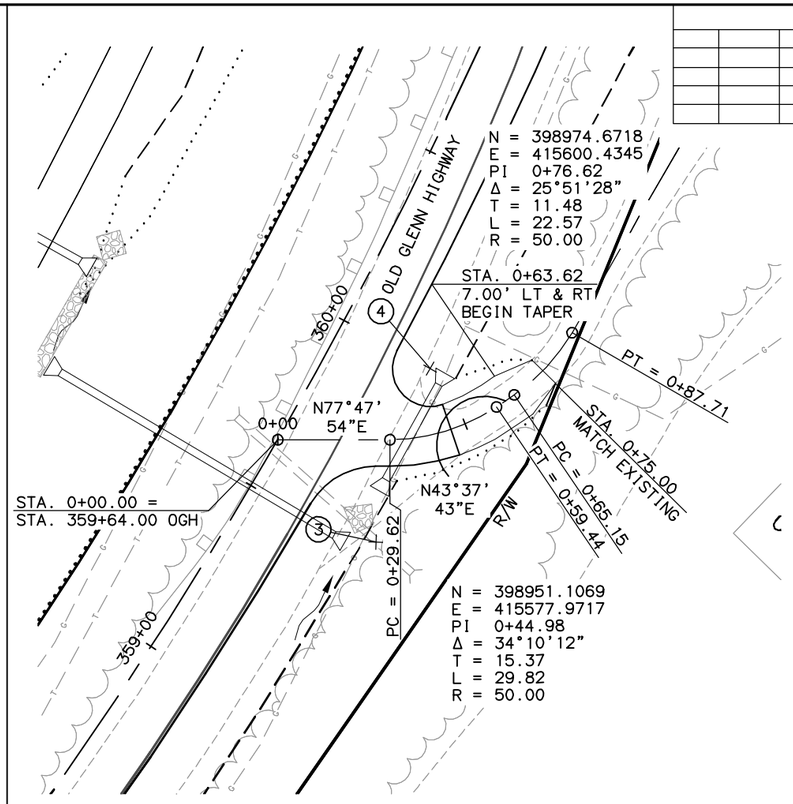
APPROACH PLAN AND PROFILE

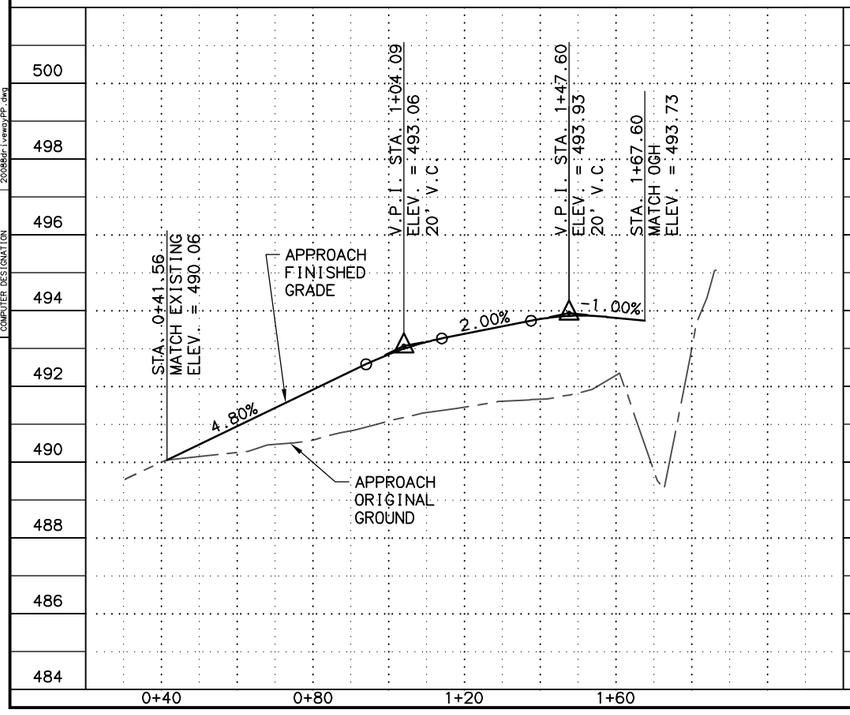
SPECIFICATIONS
SCALE: 1:20
COMPUTER DESIGNATION
PLOT SCALE: 1:1
20586p1viewsAPP.dwg
LAYOUT: B1

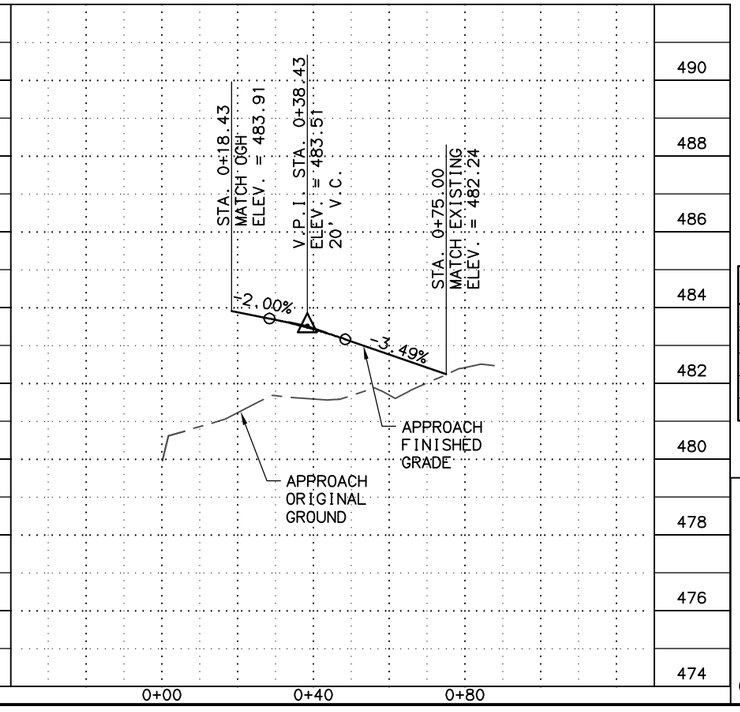
	DESIGNED BY	CHECKED BY	DRAFTED BY	DATE DRAFTED: 07/31/2009
	SMB	BDM	NKG	

	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
	ALASKA	STP-0558(X)/50946	2009	G22	G33









R.P. SUMMARY

NUMBER	STATION	OFFSET	RADIUS (FT)	REMARKS
1	344+19.75	38.40' LT	20.00	
2	344+75.29	39.51' LT	20.00	
3	359+53.89	36.00' RT	20.00	
4	359+99.59	26.00' RT	10.00	

STATE OF ALASKA
49TH
Shane M. Blanchard
CE 11519
REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY
CRW ENGINEERING GROUP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

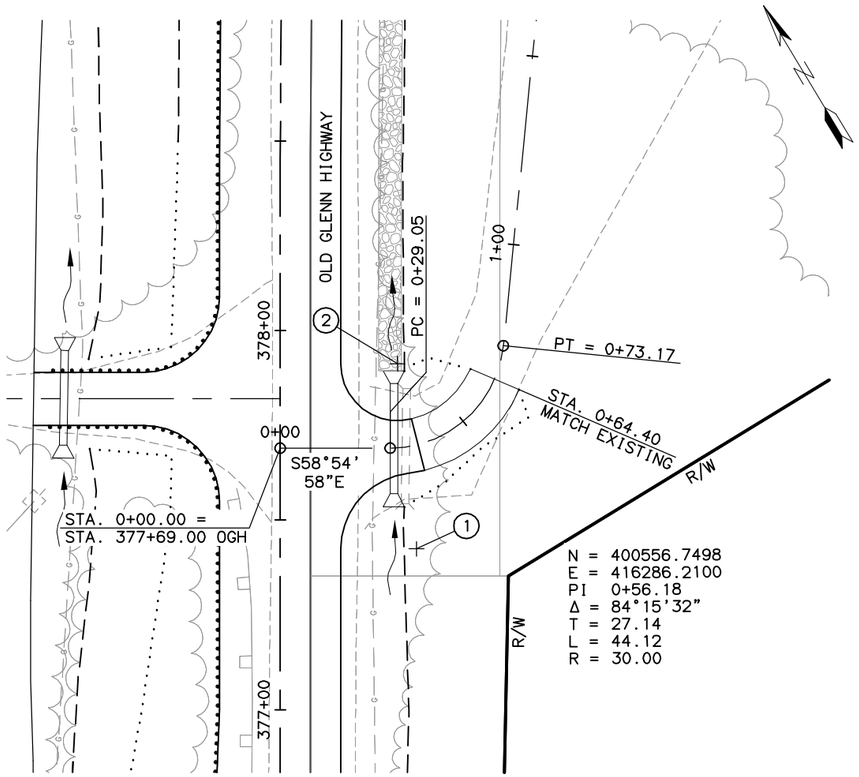
AMATS: OLD GLENN HIGHWAY S. BIRCHWOOD LOOP TO PETERS CREEK

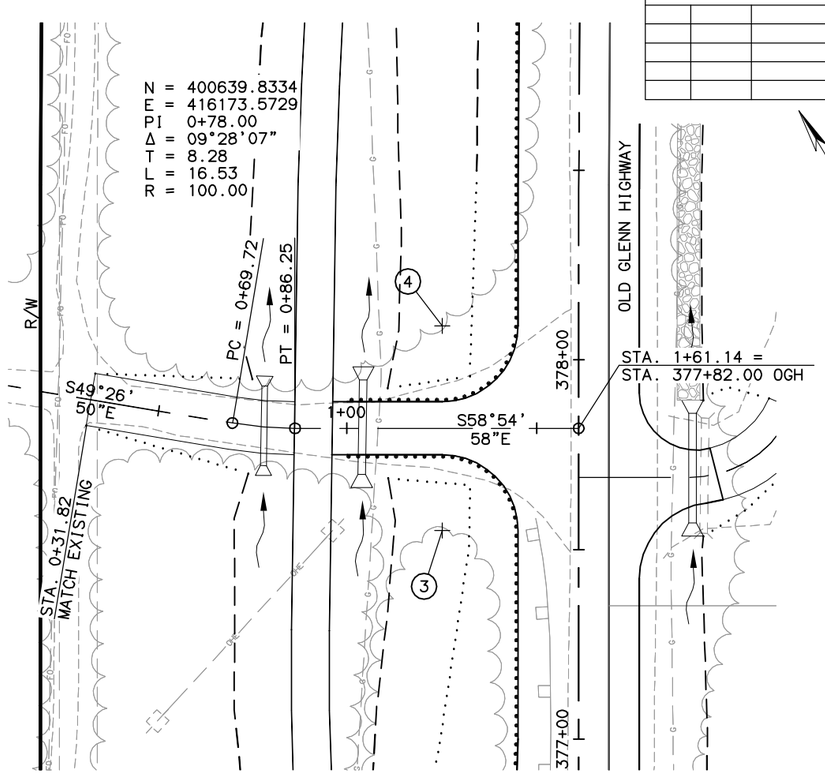
APPROACH PLAN AND PROFILE

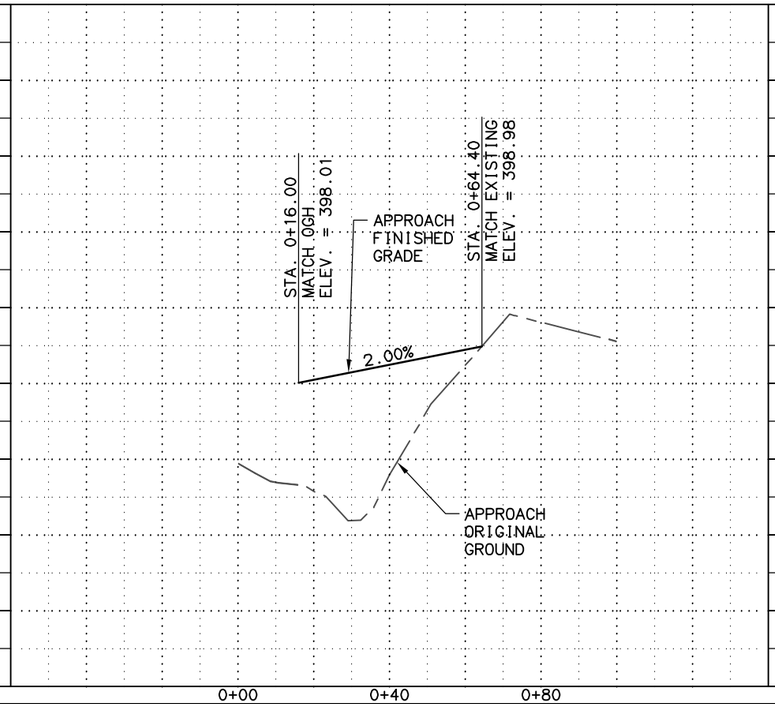
SPECIFICATIONS
SCALE: 1:20
COMPUTER DESIGNATION
PLOT SCALE: 1:1
20358pr1.vsmrp/PP.dwg
LAYOUT: B1

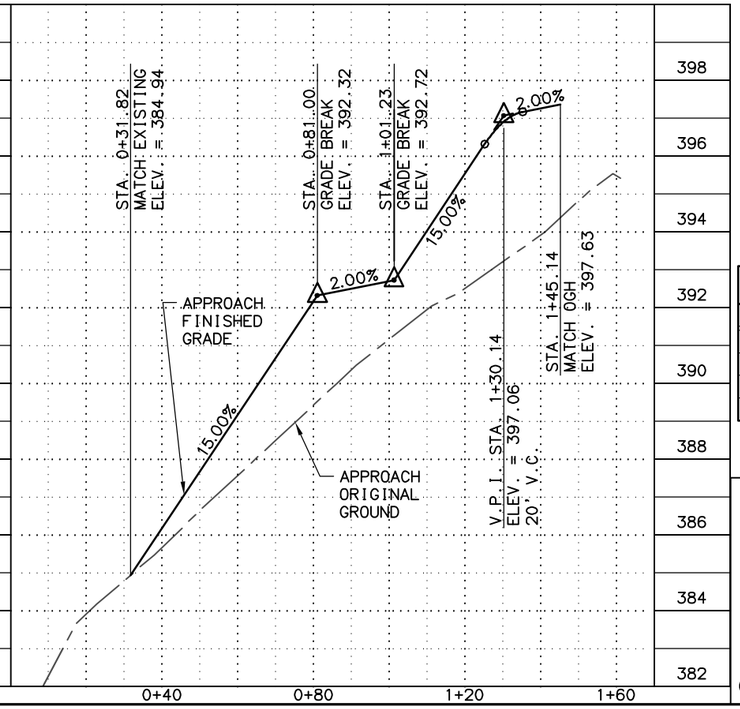
	DESIGNED BY	SMB	DATE DRAFTED: 07/31/2009
	CHECKED BY	BDM	
	DRAFTED BY	NKG	

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	STP-0558(X)/50946	2009	G23	G33









R.P. SUMMARY

NUMBER	STATION	OFFSET	RADIUS (FT)	REMARKS
1	377+42.43	36.00' RT	20.00	
2	377+91.24	31.00' RT	15.00	
3	377+55.00	36.00' LT	20.00	
4	378+09.00	36.00' LT	20.00	

PLANS DEVELOPED BY
CRW ENGINEERING GROUP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

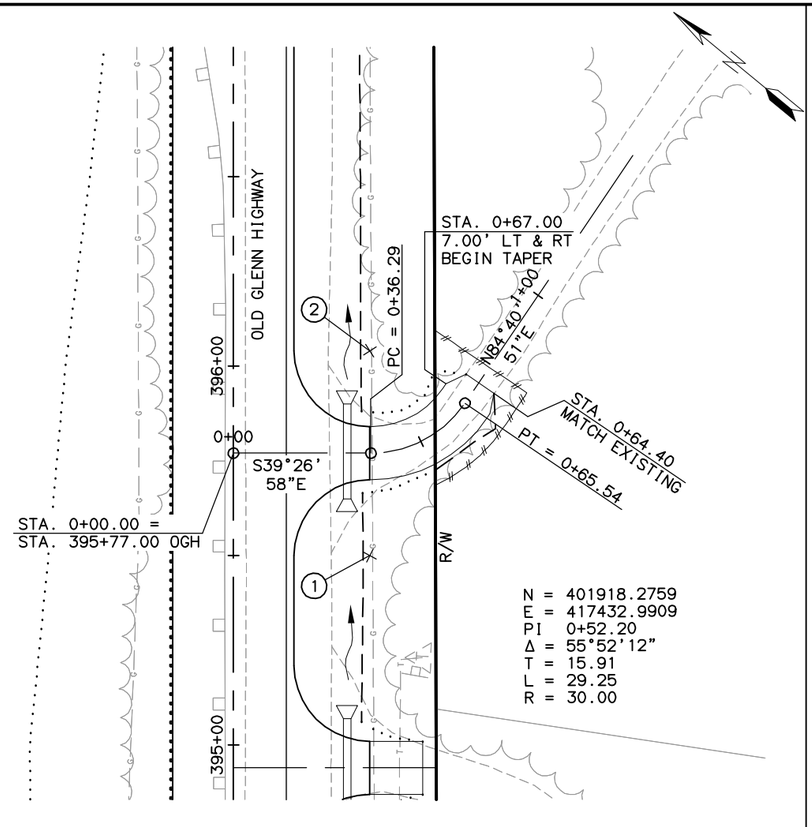
AMATS: OLD GLENN HIGHWAY S. BIRCHWOOD LOOP TO PETERS CREEK

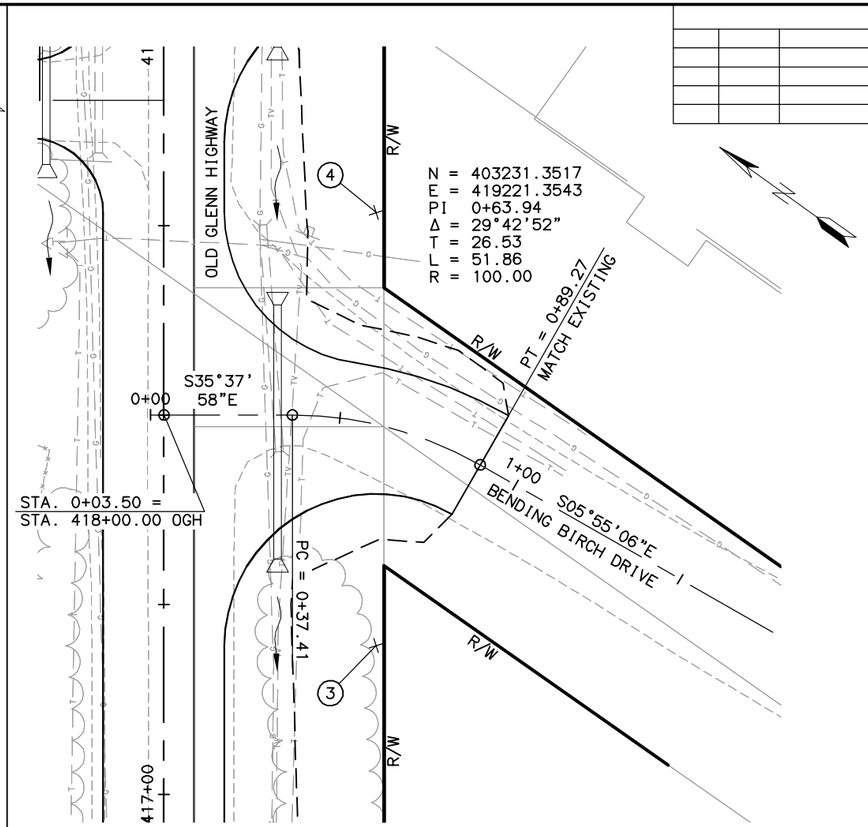
APPROACH PLAN AND PROFILE

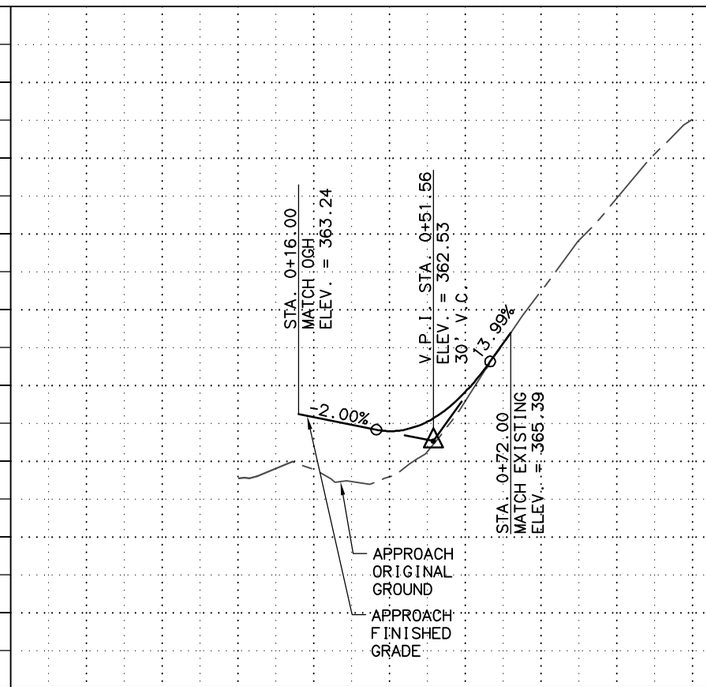
SPECIFICATIONS
SCALE: 1:20
COMPUTER DESIGNATION
PLOT SCALE: 1:1
20358pr1.vsmp/PP.dwg
LAYOUT: B1

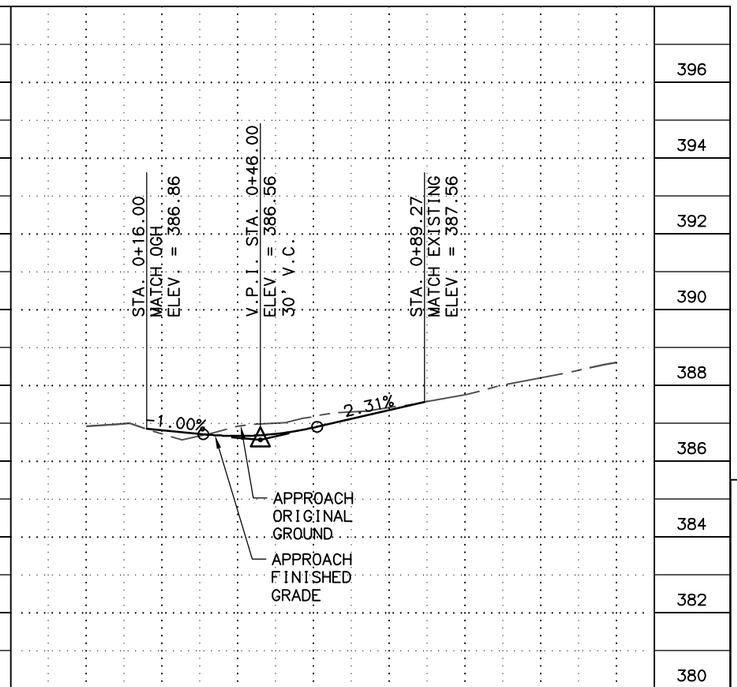
	DESIGNED BY	SMB
	CHECKED BY	BCM
DATE DRAFTED: 07/31/2009	DRAFTED BY	MKG

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	STP-0558(X)/50946	2009	G24	G33









R.P. SUMMARY

NUMBER	STATION	OFFSET	RADIUS (FT)	REMARKS
1	395+50.00	36.00' RT	20.00	
2	396+04.00	36.00' RT	20.00	
3	417+39.20	56.00' RT	40.00	
4	418+53.42	56.00' RT	40.00	

PLANS DEVELOPED BY
CRW ENGINEERING GROUP

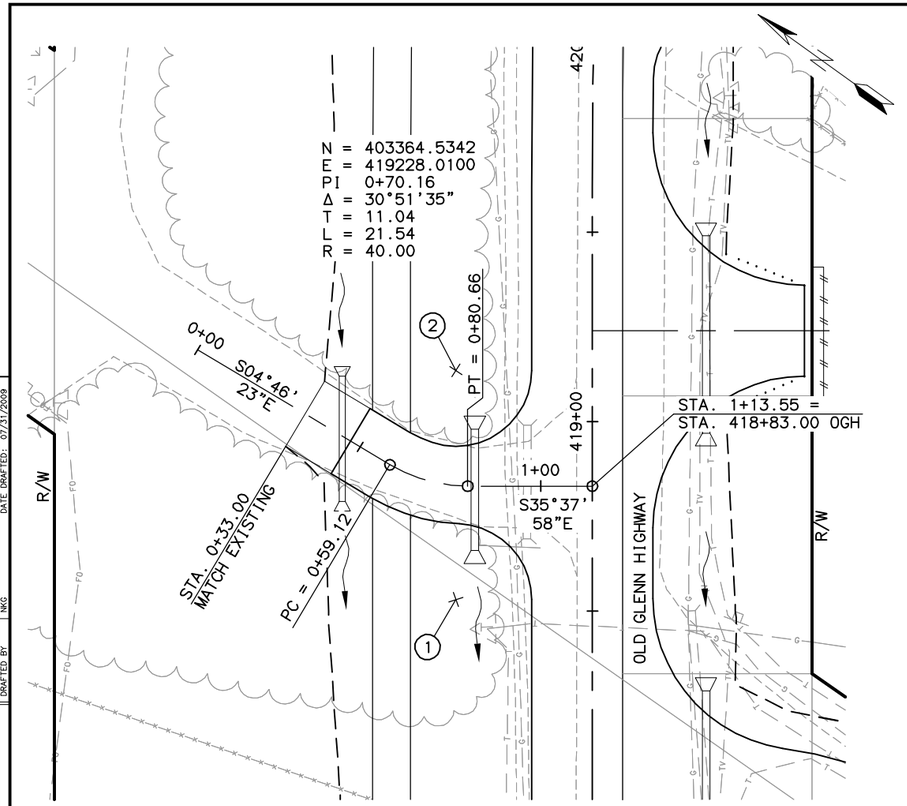
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

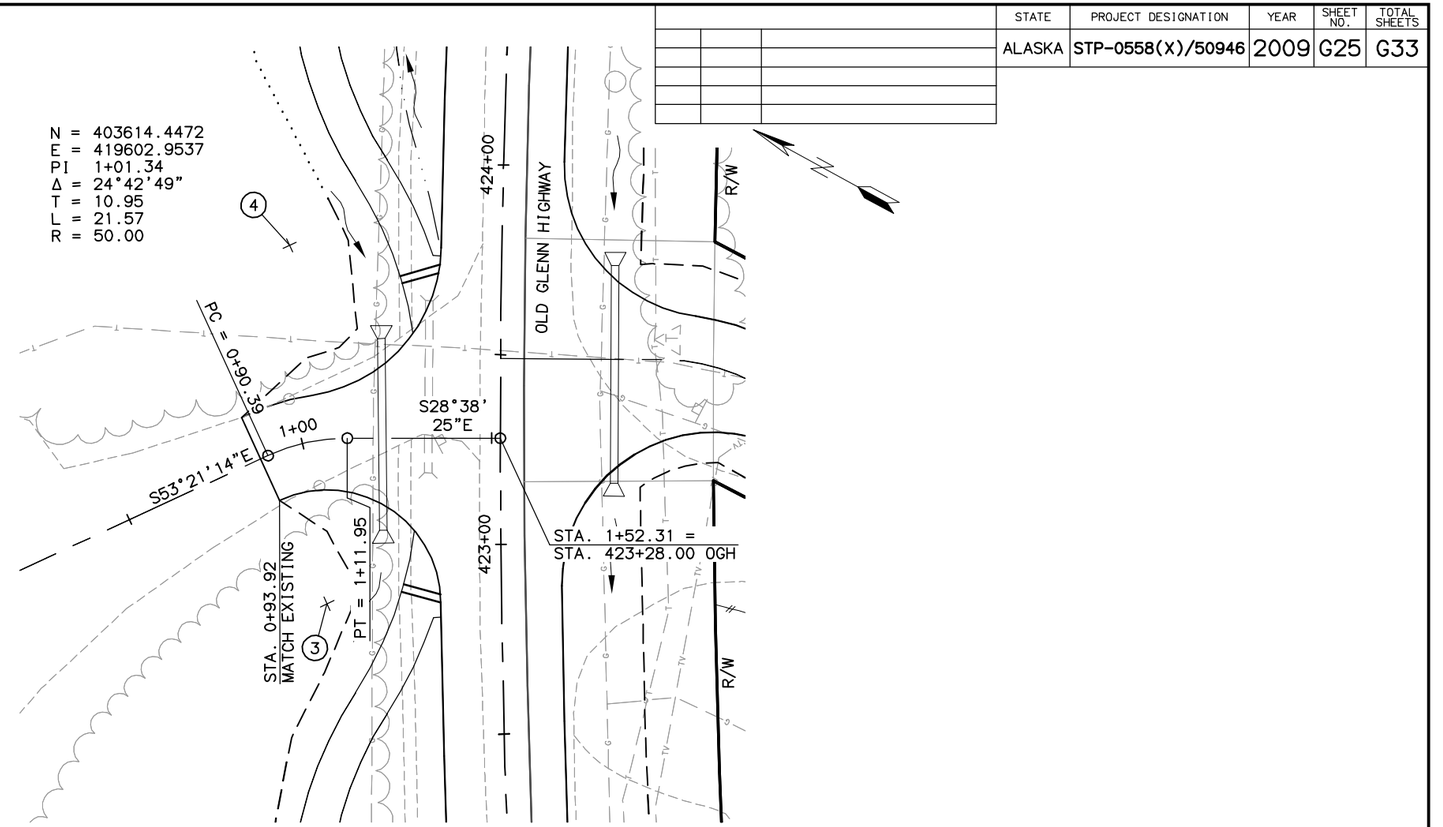
AMATS: OLD GLENN HIGHWAY S. BIRCHWOOD LOOP TO PETERS CREEK

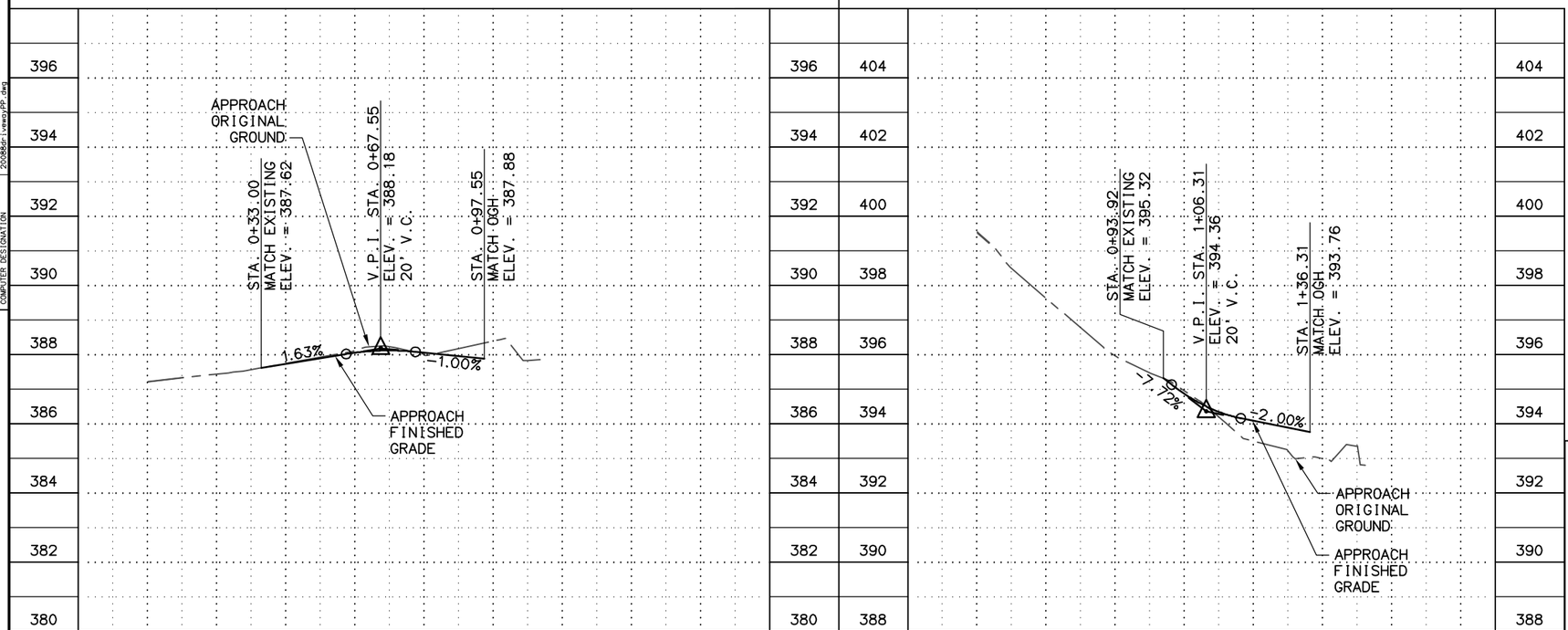
APPROACH PLAN AND PROFILE

DESIGNED BY	SMB
CHECKED BY	BDM
DRAFTED BY	NKG
DATE DRAFTED:	07/31/2009
LAYOUT:	B1
PLOT SCALE:	1:1
2008dpi Variety(PP).ctb	
SPECIFICATIONS	
SCALE:	1:20
COMPUTER DESIGNATION	

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	STP-0558(X)/50946	2009	G25	G33







R.P. SUMMARY				
NUMBER	STATION	OFFSET	RADIUS (FT)	REMARKS
1	418+53.07	36.00' LT	20.00	
2	419+13.50	36.00' LT	20.00	
3	422+85.01	46.00' LT	30.00	
4	423+77.93	56.00' LT	40.00	

STATE OF ALASKA
49TH
Shane M. Blanchard
CE 11519
REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY
CRW ENGINEERING GROUP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

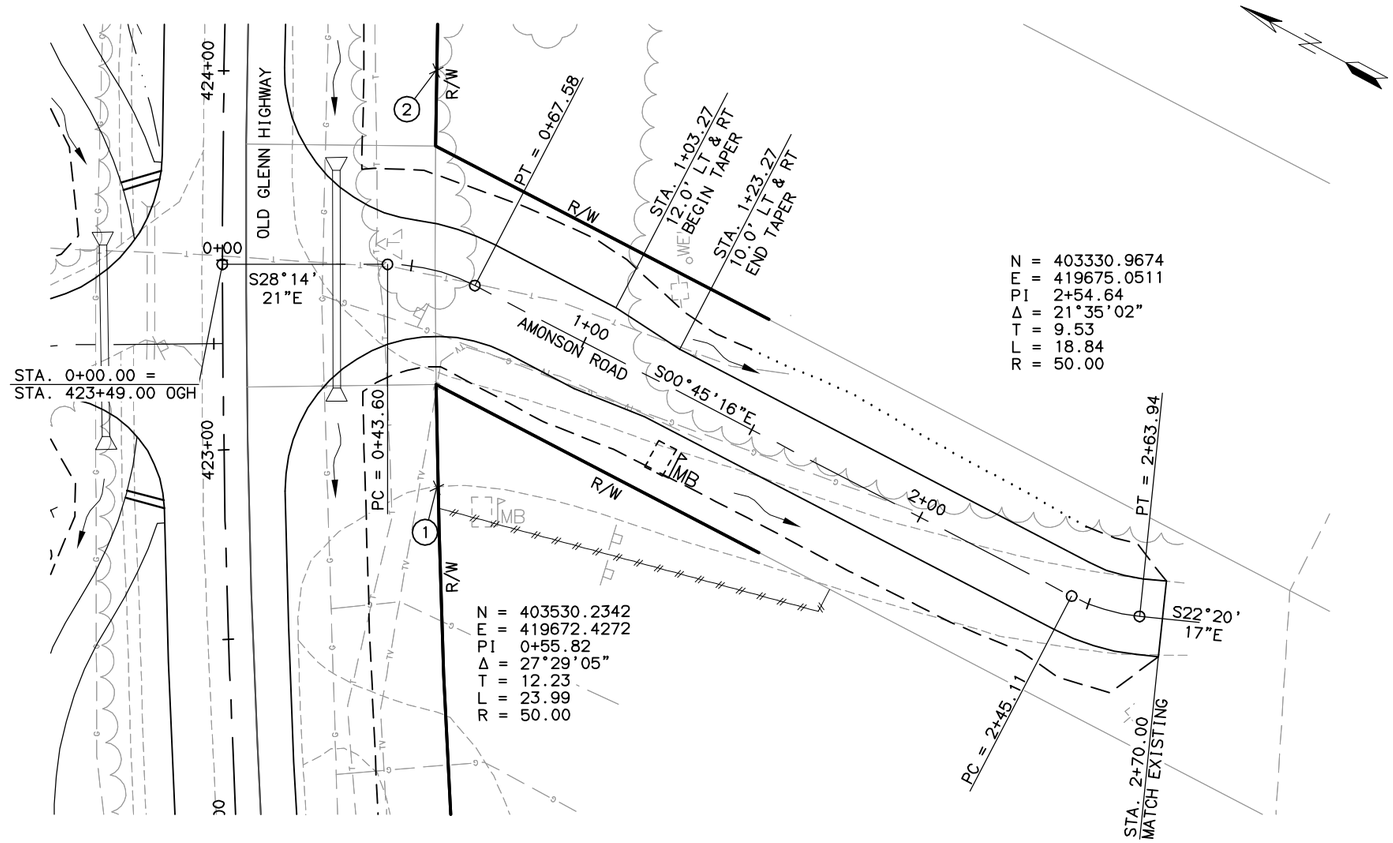
AMATS: OLD GLENN HIGHWAY S. BIRCHWOOD LOOP TO PETERS CREEK

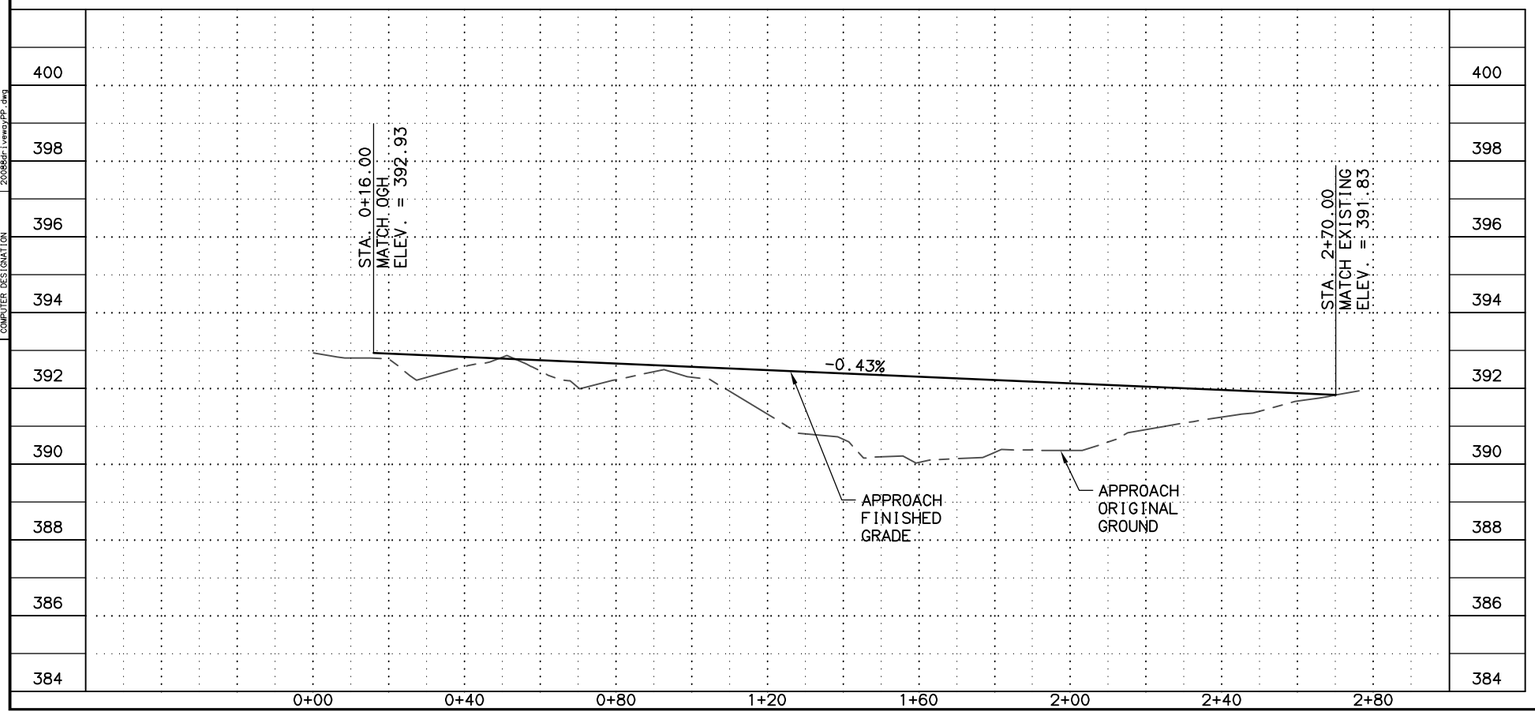
APPROACH PLAN AND PROFILE

SPECIFICATIONS
SCALE: 1:20
COMPUTER DESIGNATION
PLOT SCALE: 1:1
20x36dp1 Vertical(PP).dwg
LAYOUT: B1

	DESIGNED BY	SMB	DATE DRAFTED: 07/31/2009
	CHECKED BY	BDM	
	DRAFTED BY	NKG	

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	STP-0558(X)/50946	2009	G26	G33





R.P. SUMMARY				
NUMBER	STATION	OFFSET	RADIUS (FT)	REMARKS
1	422+88.86	56.00' RT	40.00	
2	424+01.16	56.00' RT	40.00	

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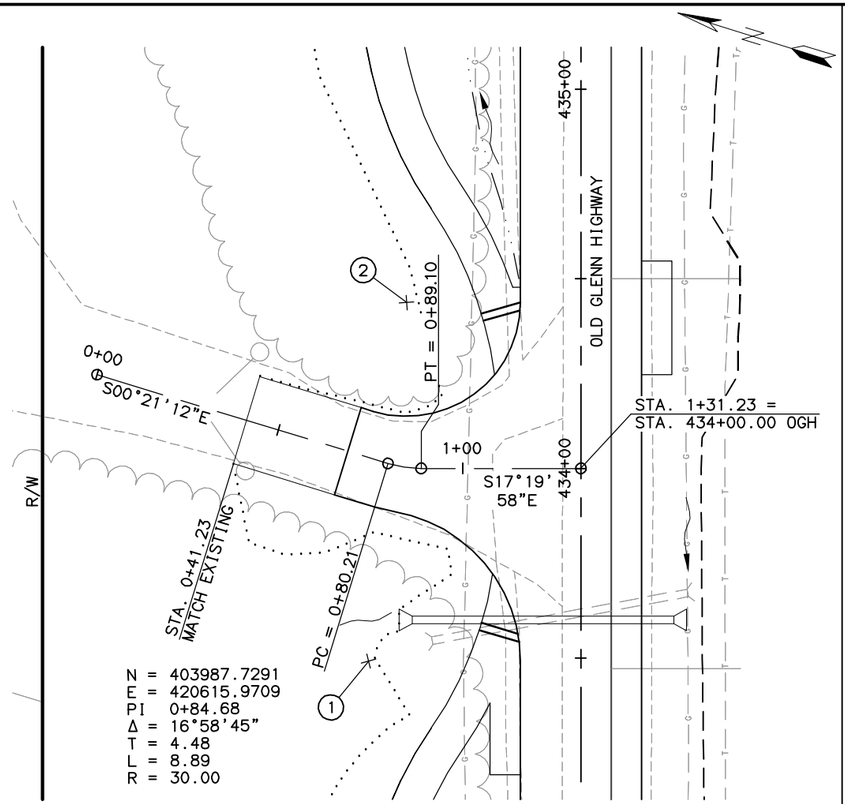
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

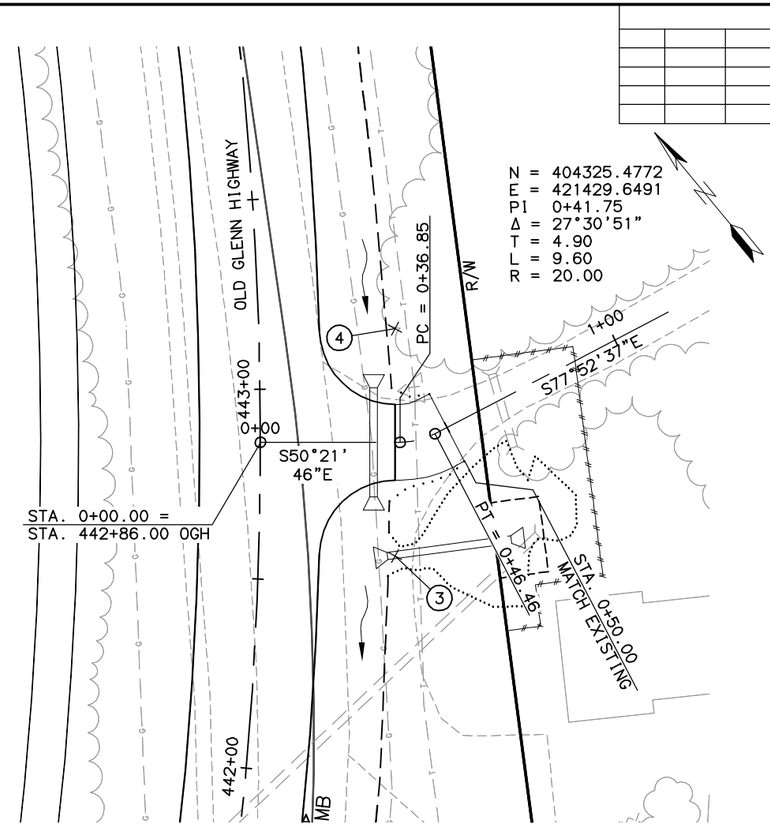
AMATS: OLD GLENN HIGHWAY S. BIRCHWOOD LOOP TO PETERS CREEK

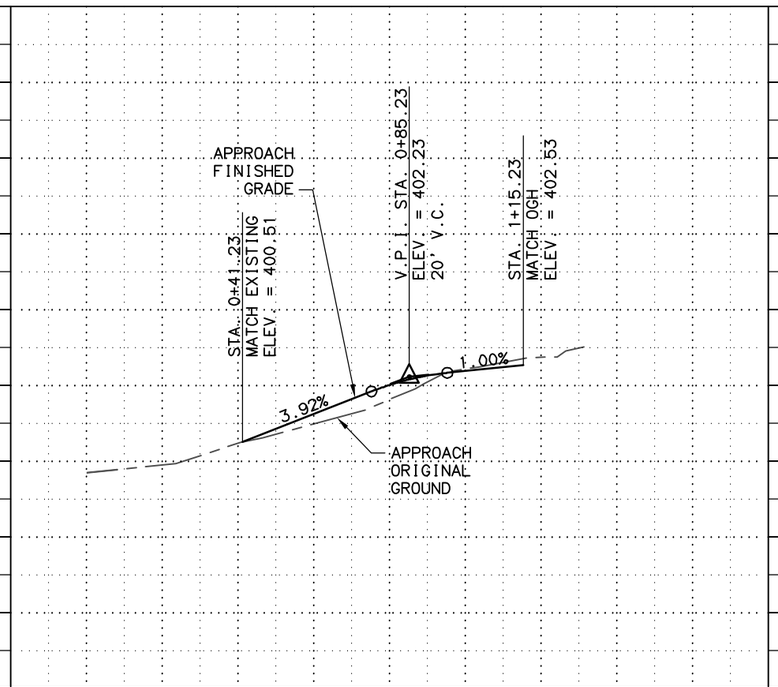
APPROACH PLAN AND PROFILE

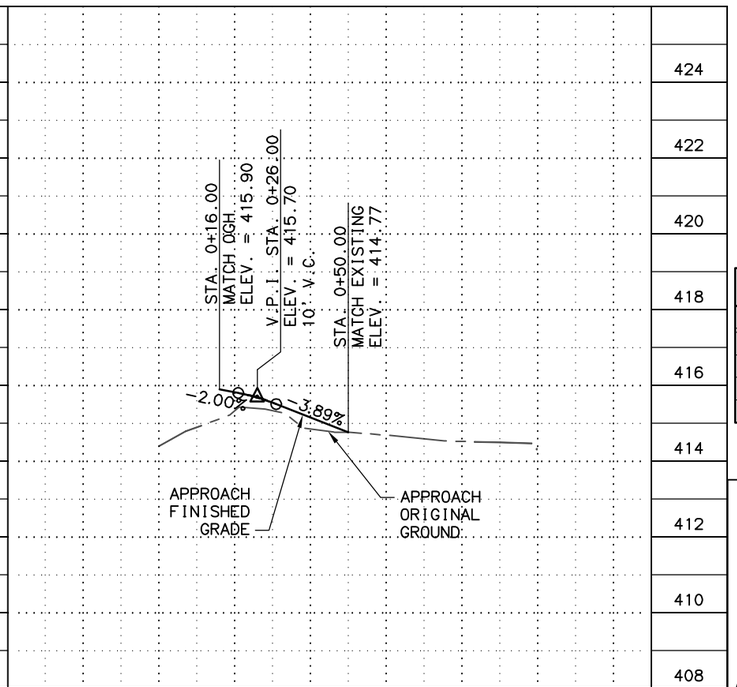
DESIGNED BY SMB
CHECKED BY BDM
DRAFTED BY NKG
DATE DRAFTED: 07/31/2009
LAYOUT: B1
PLOT SCALE: 1:1
25086sr\survey\PP.dwg
COMPUTER DESIGNATION
SCALE: 1:20
SPECIFICATIONS

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	STP-0558(X)/50946	2009	G27	G33









R.P. SUMMARY				
NUMBER	STATION	OFFSET	RADIUS (FT)	REMARKS
1	433+49.18	56.00' LT	40.00	
2	434+43.73	46.00' LT	30.00	
3	442+57.04	36.00' RT	20.00	
4	443+14.96	36.00' RT	20.00	

STATE OF ALASKA
49TH
Shane M. Blanchard
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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

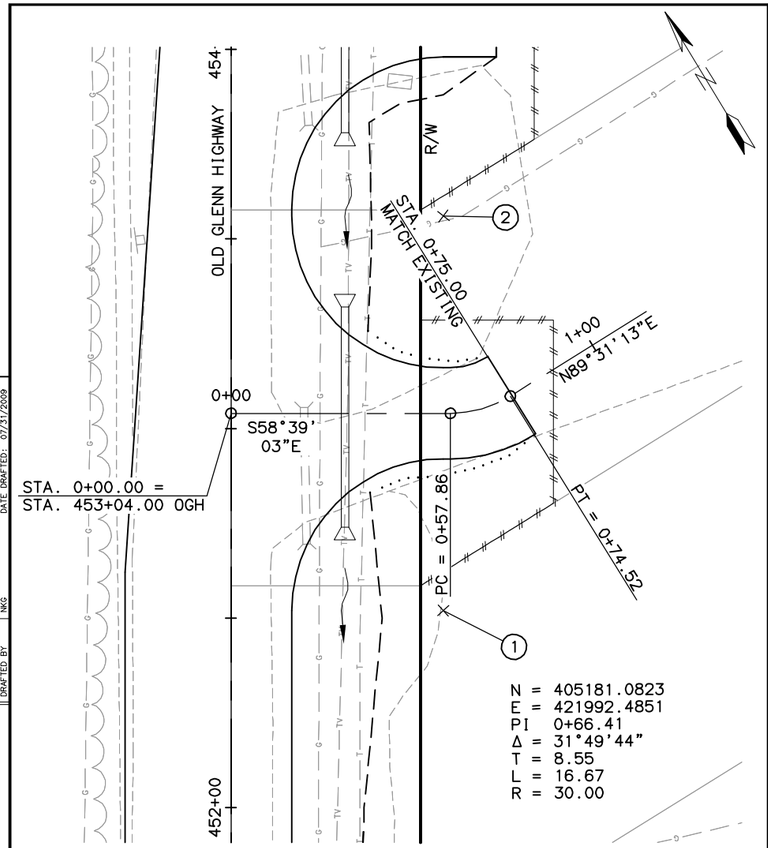
AMATS: OLD GLENN HIGHWAY S. BIRCHWOOD LOOP TO PETERS CREEK

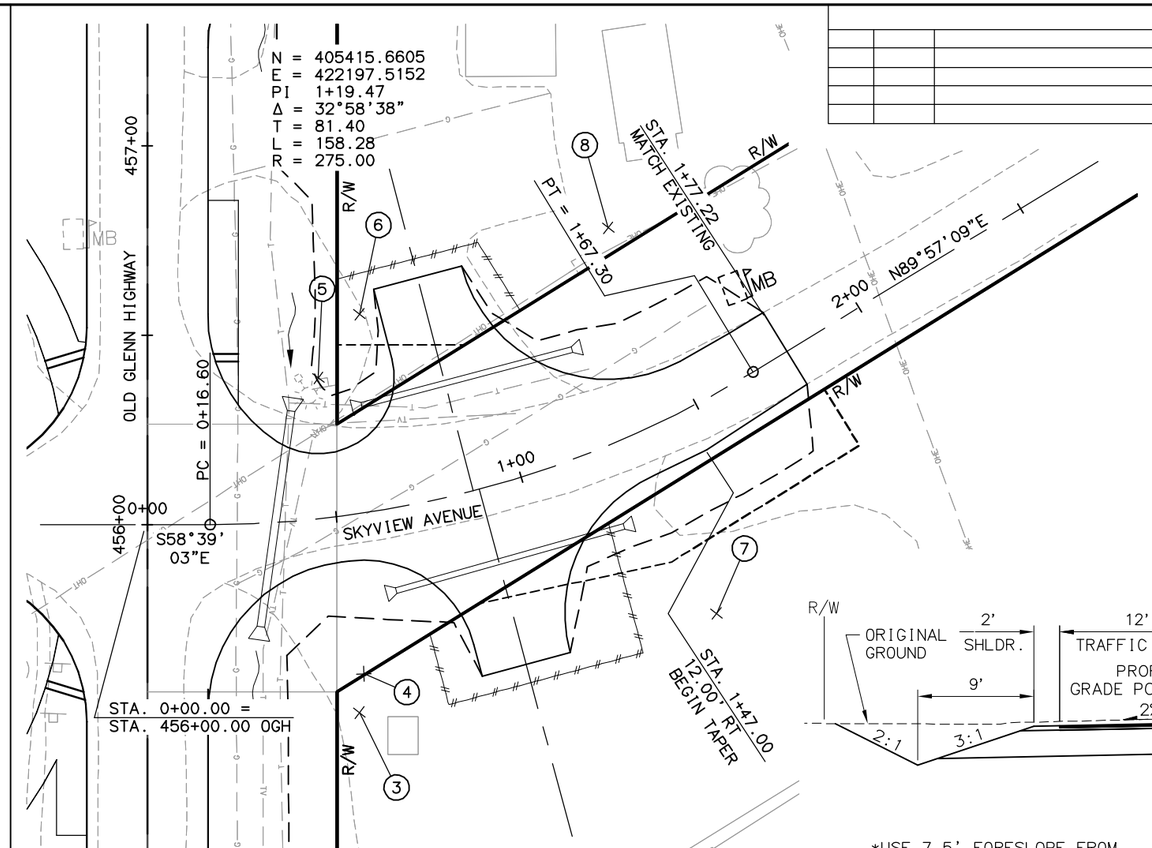
APPROACH PLAN AND PROFILE

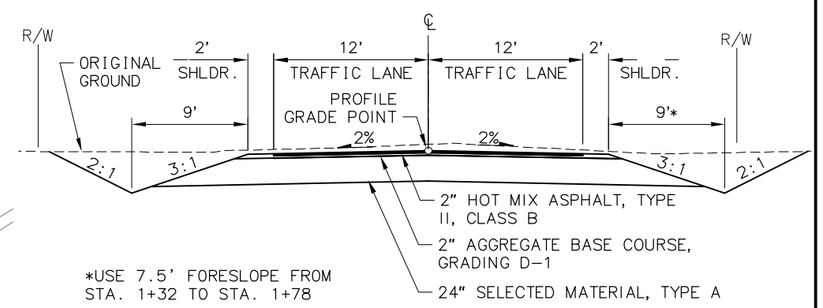
DESIGNED BY	SMB	
CHECKED BY	BDM	
DRAFTED BY	NKG	DATE DRAFTED: 07/31/2009

SPECIFICATIONS
SCALE: 1:20
COMPUTER DESIGNATION
PLOT SCALE: 1:1
20080gn1.vwsoy(PP).dwg
LAYOUT: B1

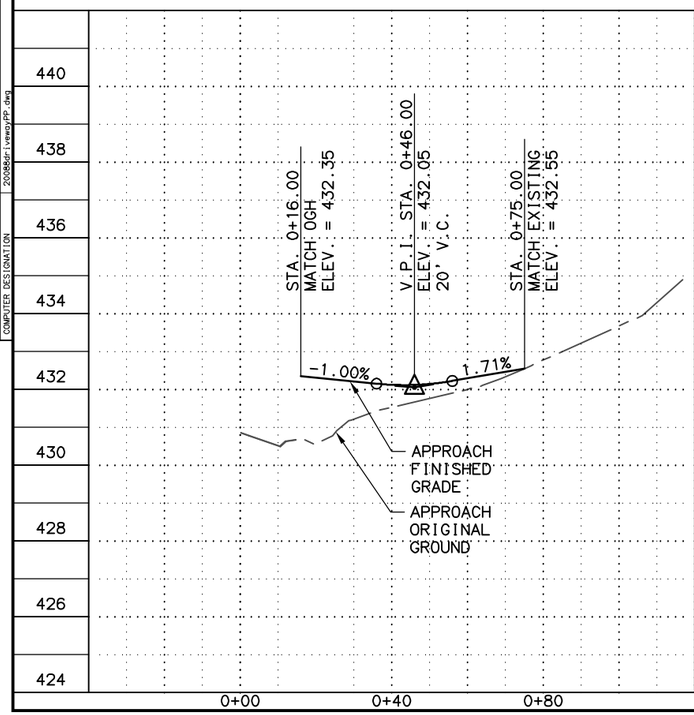
			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	STP-0558(X)/50946	2009	G28	G33

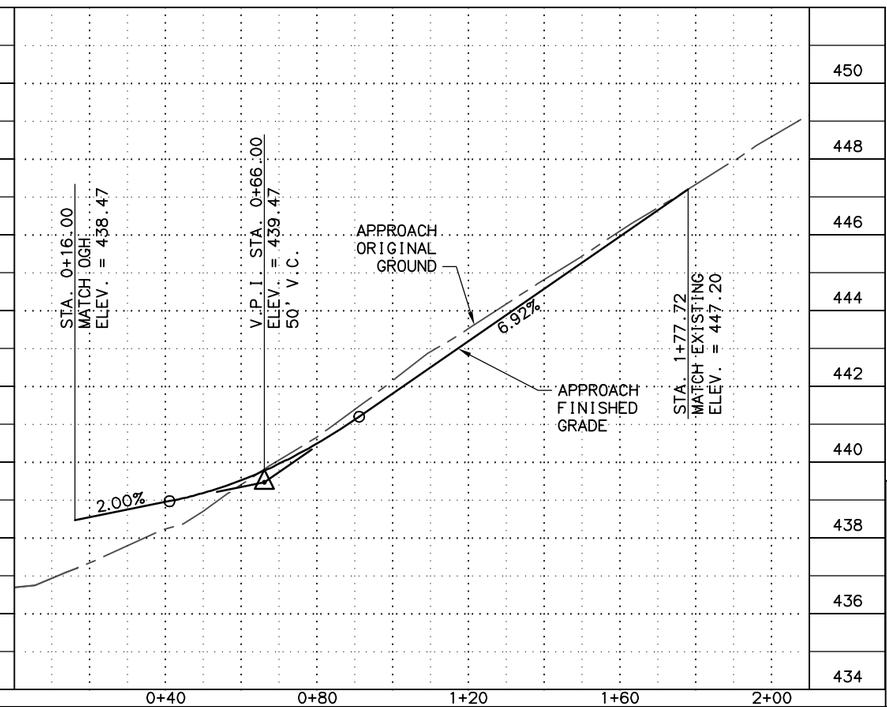






*USE 7.5' FORESLOPE FROM STA. 1+32 TO STA. 1+78





SKYVIEW AVENUE

STA. 0+50 TO STA. 1+78

R.P. SUMMARY

NUMBER	STATION	OFFSET	RADIUS (FT)	REMARKS
1	452+52.00	56.00' RT	40.00	
2	453+56.00	56.00' RT	40.00	
3	455+50.38	56.00' RT	40.00	
4	455+60.61	57.20' RT	30.00	
5	456+38.70	45.17' RT	20.00	
6	456+55.51	56.00' RT	40.00	
7	455+76.55	150.23' RT	40.00	
8	456+78.29	121.65' RT	40.00	

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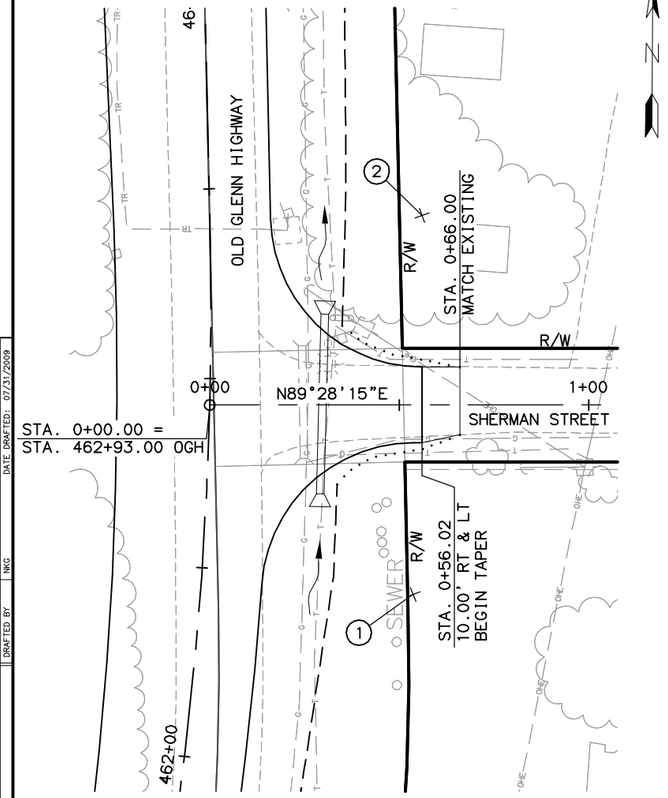
AND
PUBLIC FACILITIES

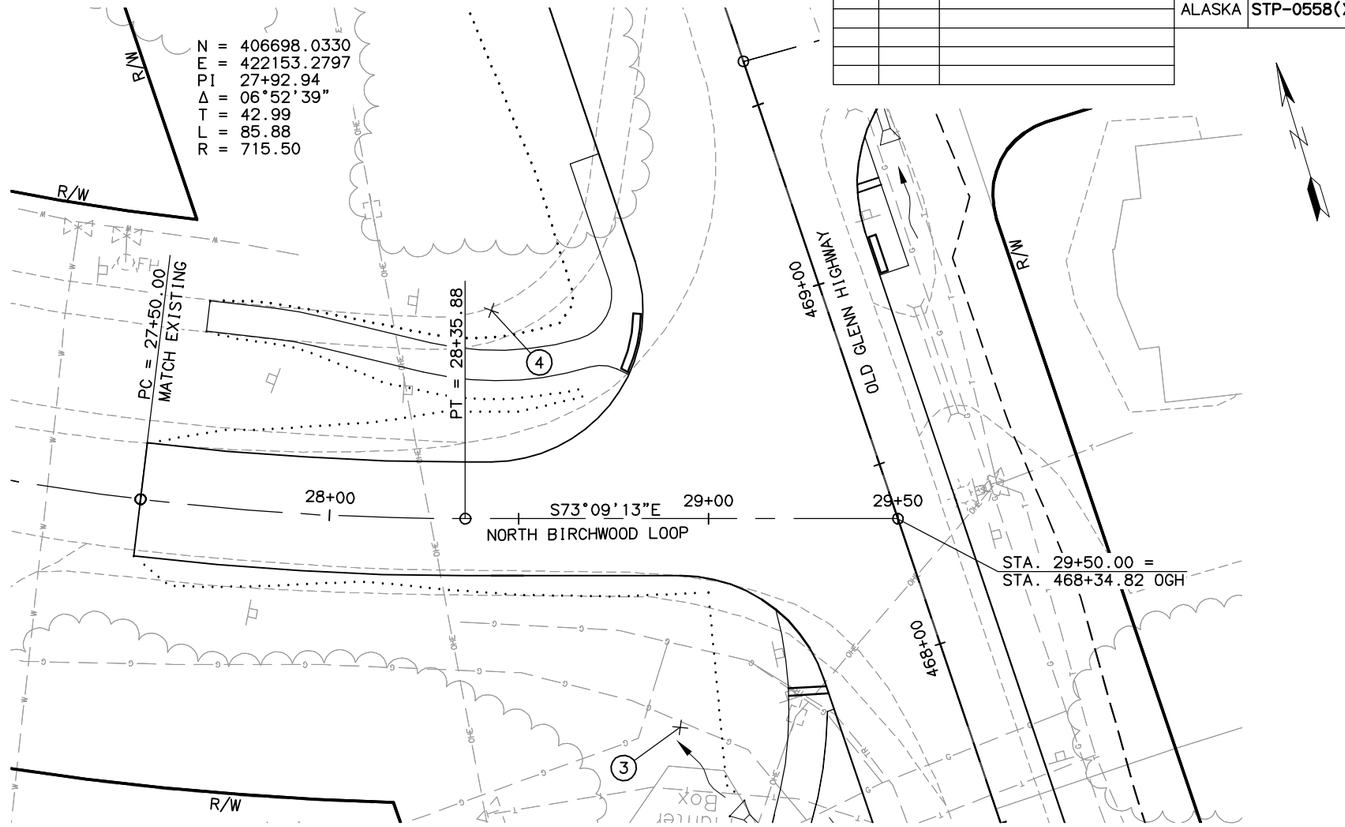
AMATS: OLD GLENN HIGHWAY S. BIRCHWOOD LOOP TO PETERS CREEK

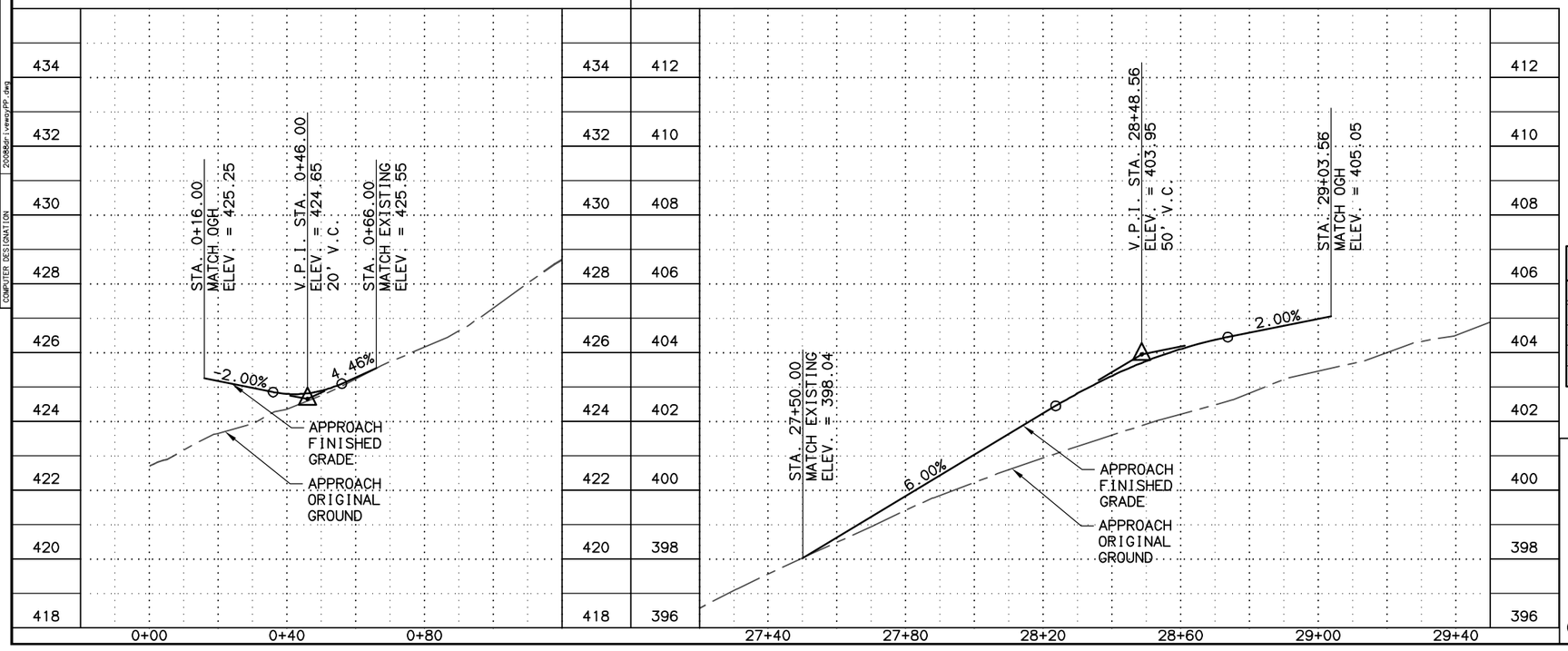
APPROACH PLAN AND PROFILE

DESIGNED BY: SMB
CHECKED BY: BDM
DRAFTED BY: NKG
DATE DRAFTED: 07/31/2009
LAYOUT: B1
PLOT SCALE: 1:1
20586pn1 veravpPP.dwg
SPECIFICATIONS
SCALE: 1:20
COMPUTER DESIGNATION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	STP-0558(X)/50946	2009	G29	G33







R.P. SUMMARY

NUMBER	STATION	OFFSET	RADIUS (FT)	REMARKS
1	462+46.92	56.00' RT	40.00	
2	463+41.75	56.00' RT	40.00	
3	468+01.08	72.00' LT	40.00	
4	469+21.24	84.00' LT	40.00	

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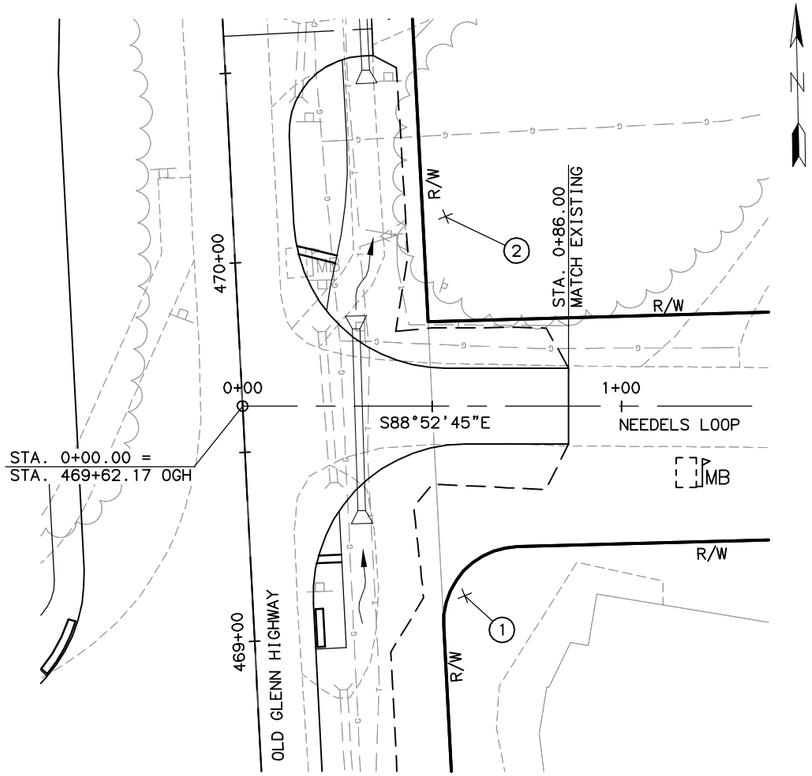
PUBLIC FACILITIES

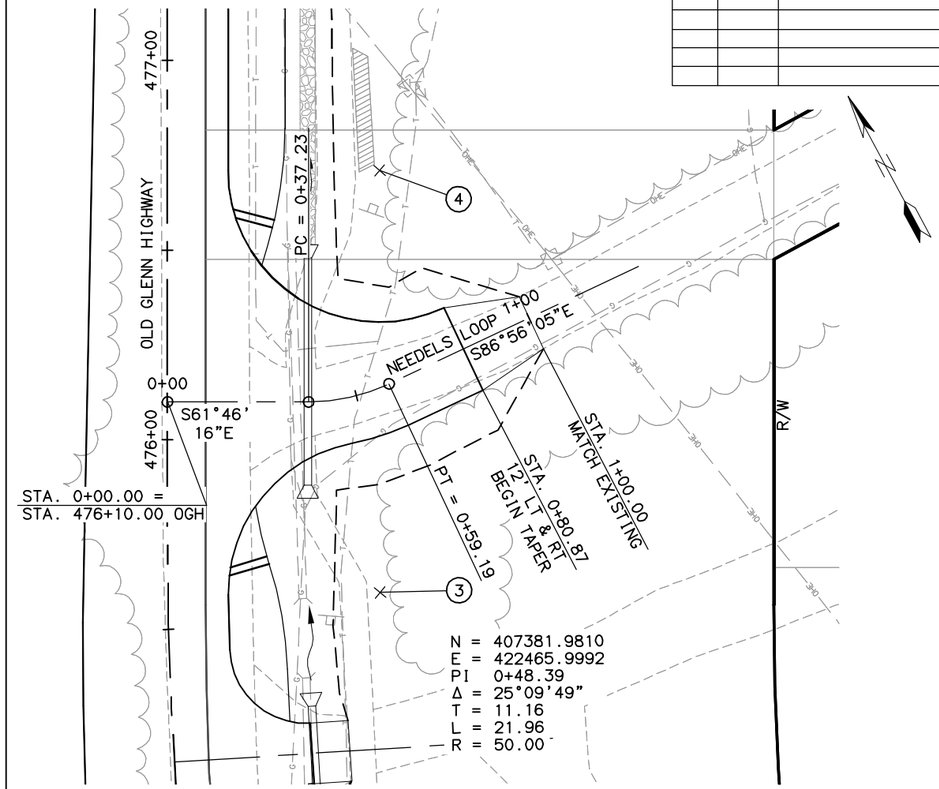
AMATS: OLD GLENN HIGHWAY S. BIRCHWOOD LOOP TO PETERS CREEK

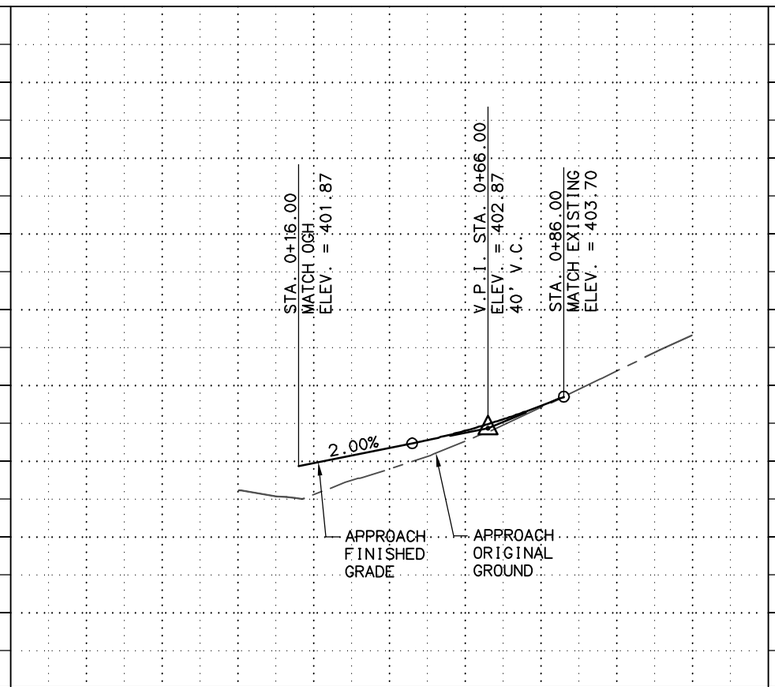
APPROACH PLAN AND PROFILE

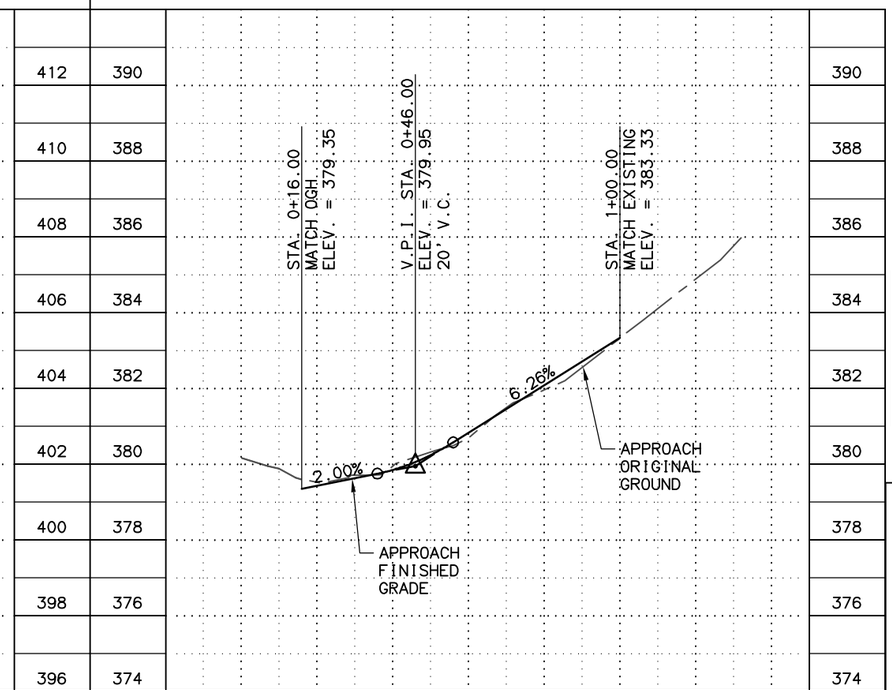
SPECIFICATIONS
SCALE: 1:20
COMPUTER DESIGNATION
PLOT SCALE: 1:1
2008dot\crwdg\PP.dwg
LAYOUT: B1
DESIGNED BY SMB
CHECKED BY BDM
DRAFTED BY MKG
DATE DRAFTED: 07/31/2009

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	STP-0558(X)/50946	2009	G30	G33









R.P. SUMMARY

NUMBER	STATION	OFFSET	RADIUS (FT)	REMARKS
1	460+09.23	56.00' RT	40.00	
2	470+09.36	56.00' RT	40.00	
3	475+58.87	56.00' RT	40.00	
4	476+71.03	56.00' RT	40.00	

STATE OF ALASKA
49TH
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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

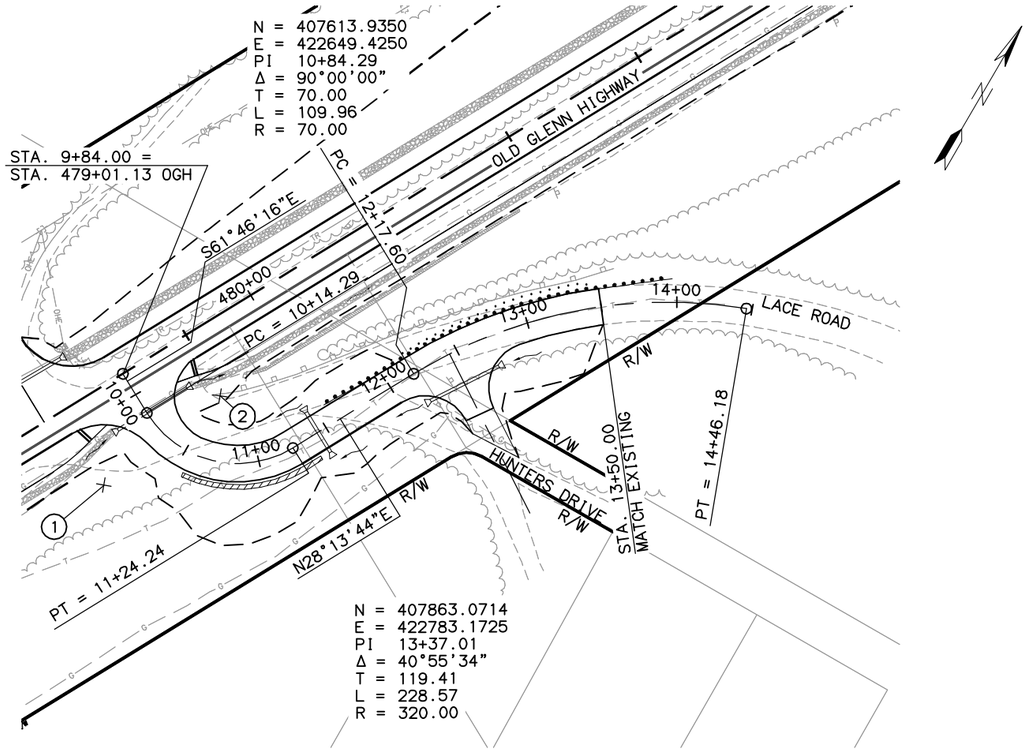
AMATS: OLD GLENN HIGHWAY S. BIRCHWOOD LOOP TO PETERS CREEK

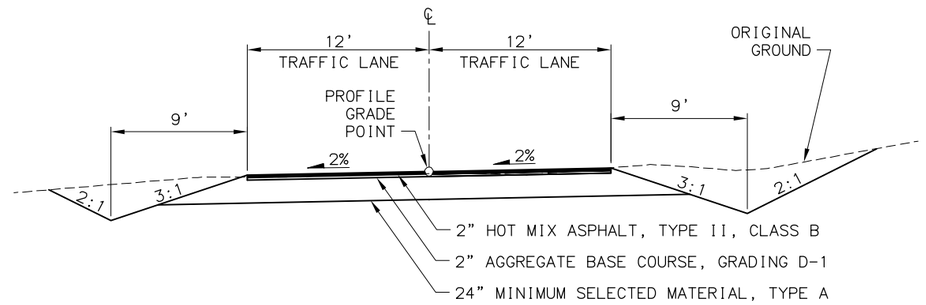
APPROACH PLAN AND PROFILE

SPECIFICATIONS
SCALE: 1:20
COMPUTER DESIGNATION
PLOT SCALE: 1:1
20086pln Variety(PP).dwg
LAYOUT: B1

DESIGNED BY	SMB
CHECKED BY	BDM
DRAFTED BY	NKG
DATE DRAFTED:	07/31/2009

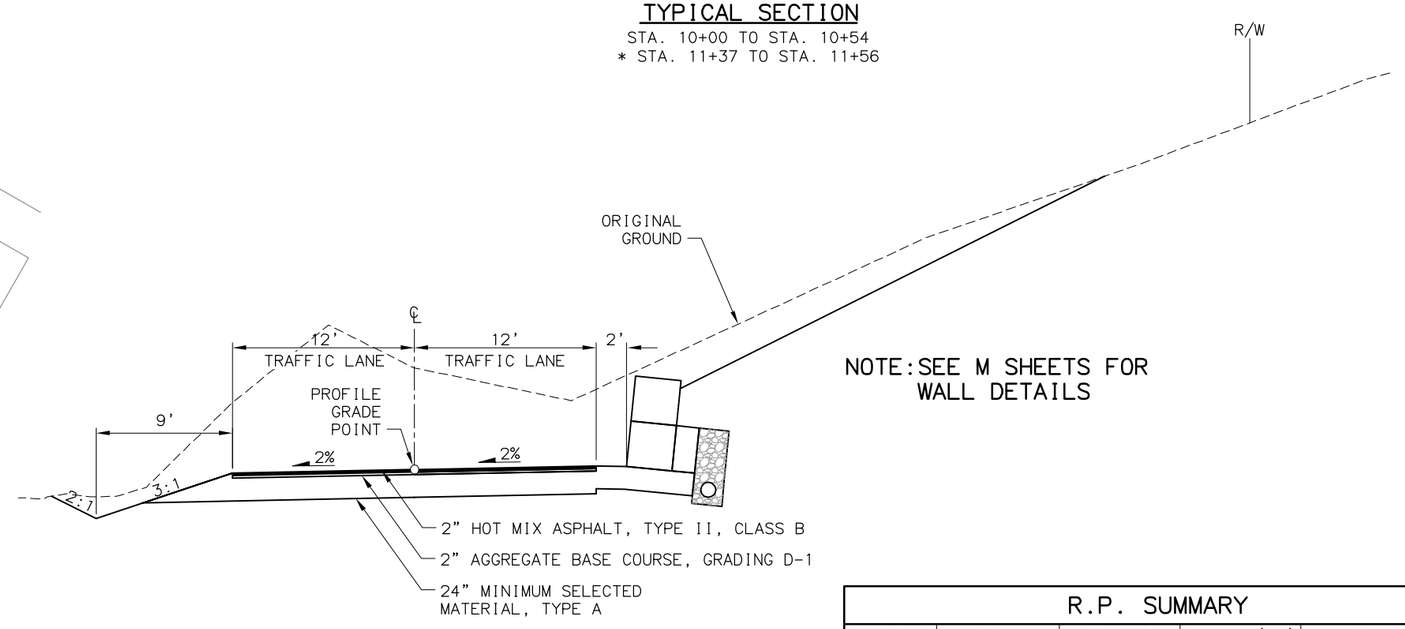
			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	STP-0558(X)/50946	2009	G31	G33





TYPICAL SECTION

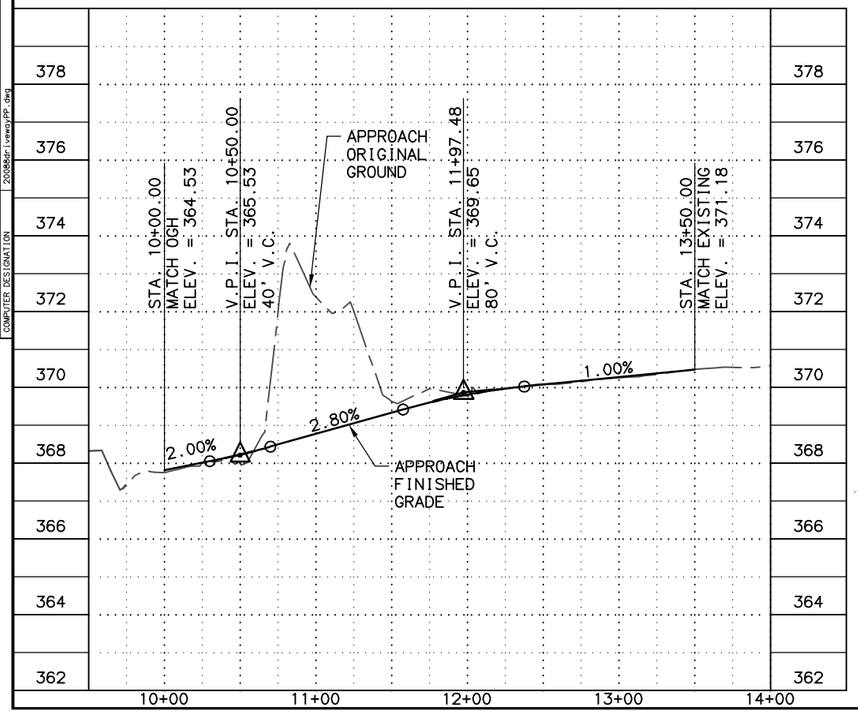
STA. 10+00 TO STA. 10+54
* STA. 11+37 TO STA. 11+56

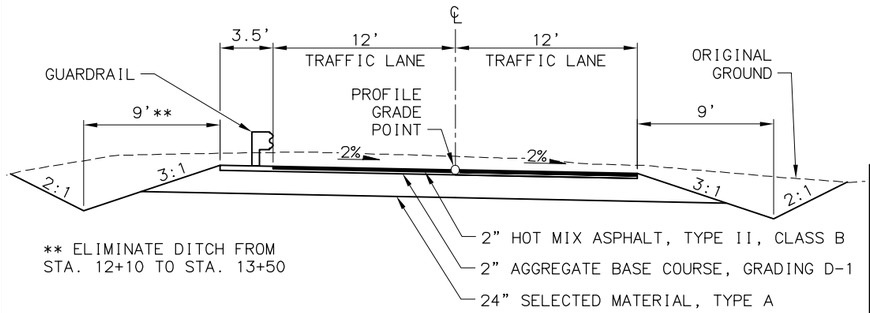


NOTE: SEE M SHEETS FOR WALL DETAILS

TYPICAL SECTION

* STA. 10+54 TO STA. 11+37





** ELIMINATE DITCH FROM STA. 12+10 TO STA. 13+50

TYPICAL SECTION

* STA. 11+56 TO STA. 13+50

R.P. SUMMARY				
NUMBER	STATION	OFFSET	RADIUS (FT)	REMARKS
1	478+51.87	56.00' RT	40.00	
2	479+47.95	46.00' RT	30.00	

* STA. 11+24 TO STA. 12+18 TRANSITION BETWEEN 2% LEFT & 2% RIGHT ROADWAY CROSS SLOPES

STATE OF ALASKA
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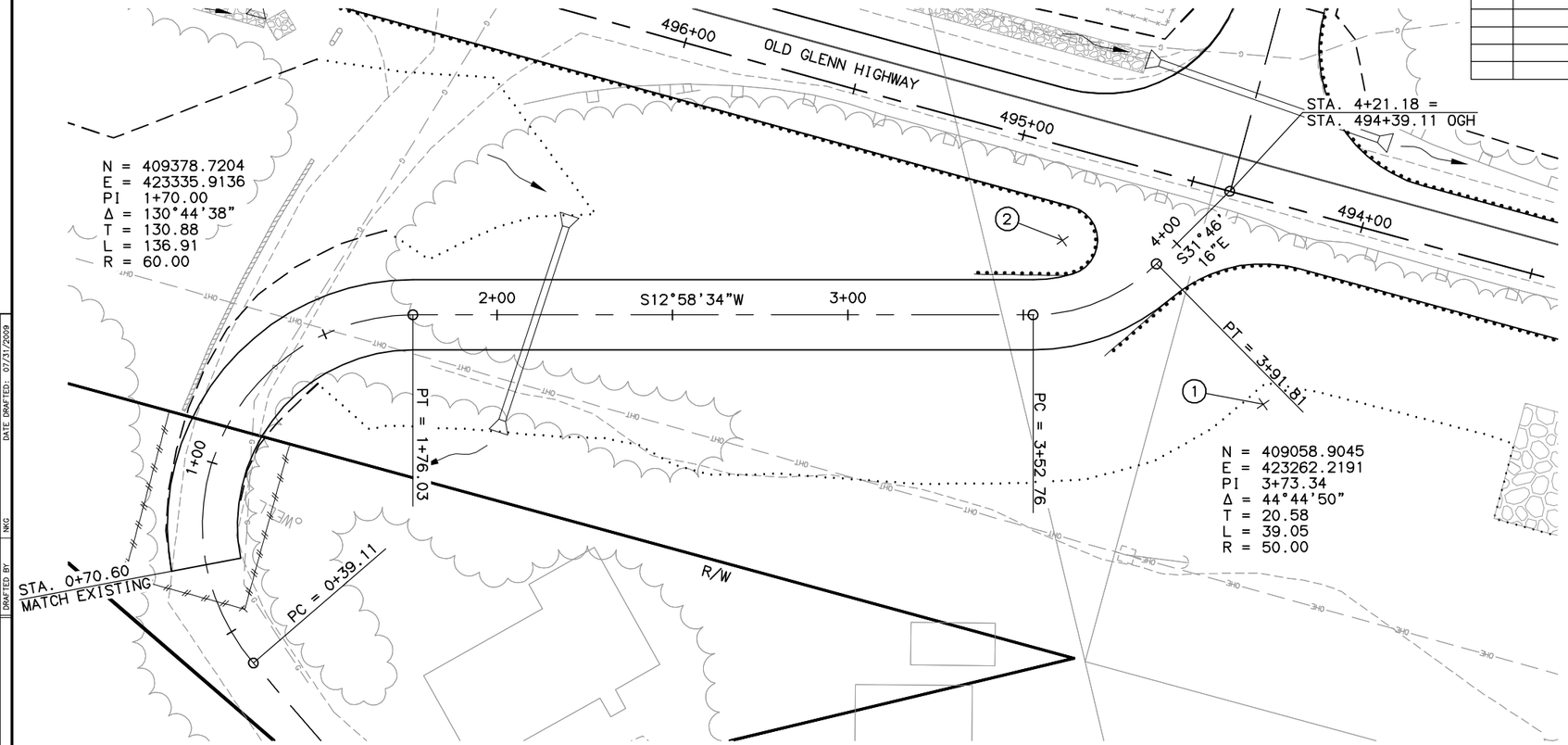
AND
PUBLIC FACILITIES

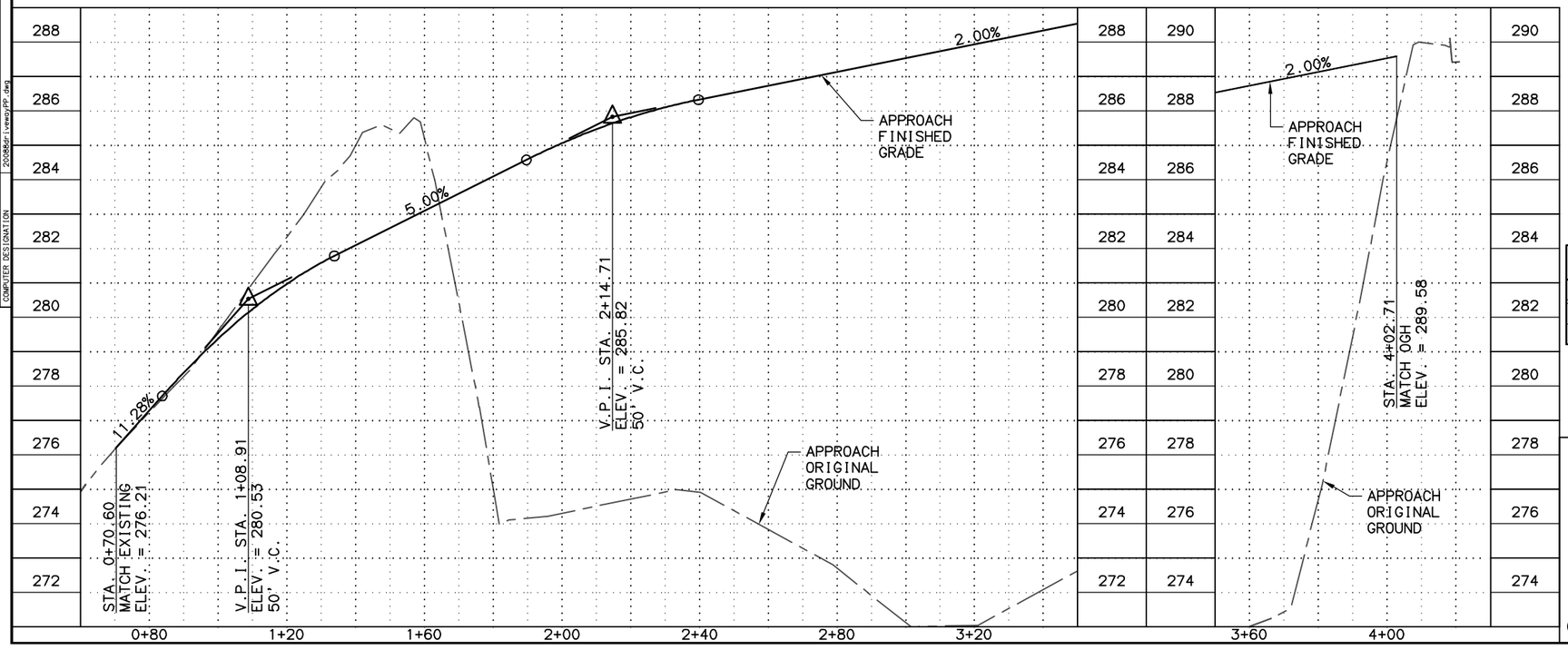
AMATS: OLD GLENN HIGHWAY S. BIRCHWOOD LOOP TO PETERS CREEK

APPROACH PLAN AND PROFILE

SPECIFICATIONS
SCALE: 1:80
COMPUTER DESIGNATION: 2008spr1view/PP.dwg
PLOT SCALE: 1:1
LAYOUT: B1
DESIGNED BY: SMB
CHECKED BY: BDM
DRAFTED BY: NKG
DATE DRAFTED: 07/31/2009

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	STP-0558(X)/50946	2009	G32	G33





R.P. SUMMARY				
NUMBER	STATION	OFFSET	RADIUS (FT)	REMARKS
1	494+13.95	56.00' LT	40.00	
2	494+81.39	26.00' LT	10.00	

PLANS DEVELOPED BY
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STATE OF ALASKA
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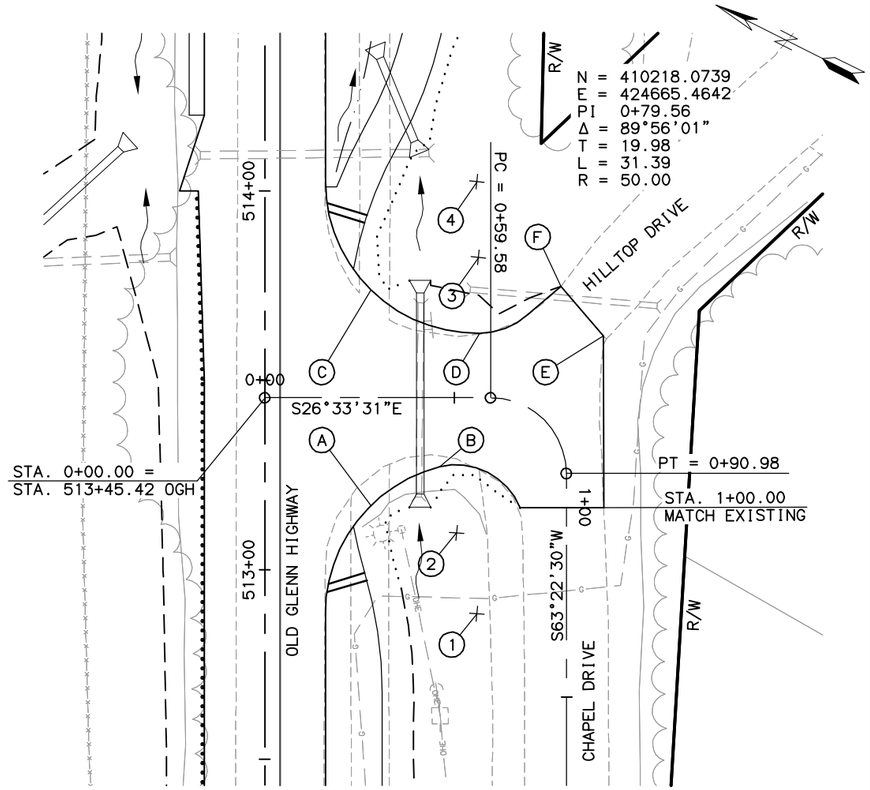
AND
PUBLIC FACILITIES

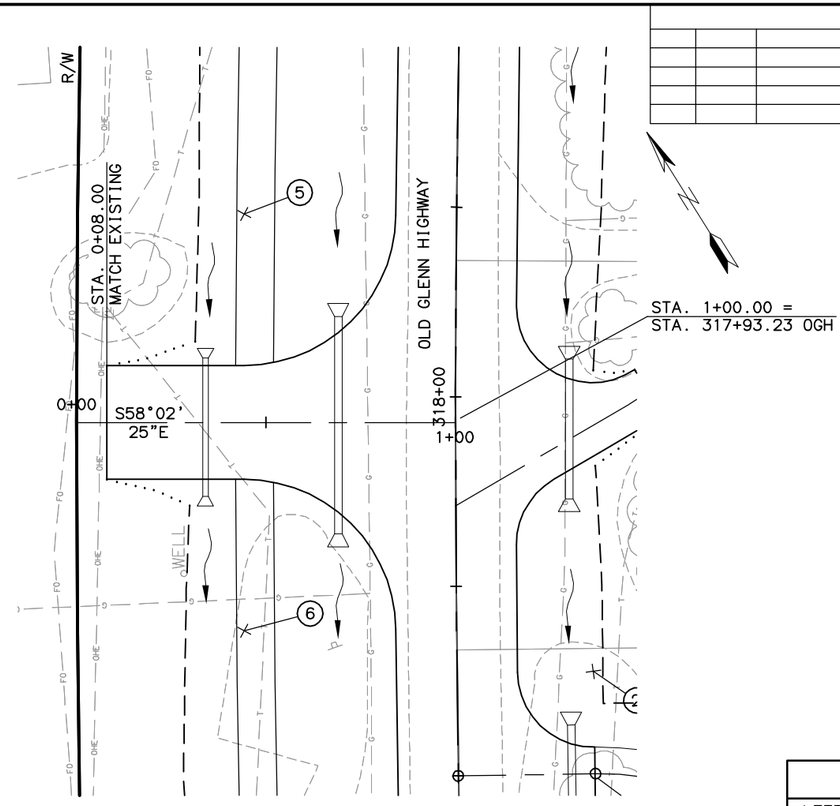
AMATS: OLD GLENN HIGHWAY S. BIRCHWOOD LOOP TO PETERS CREEK

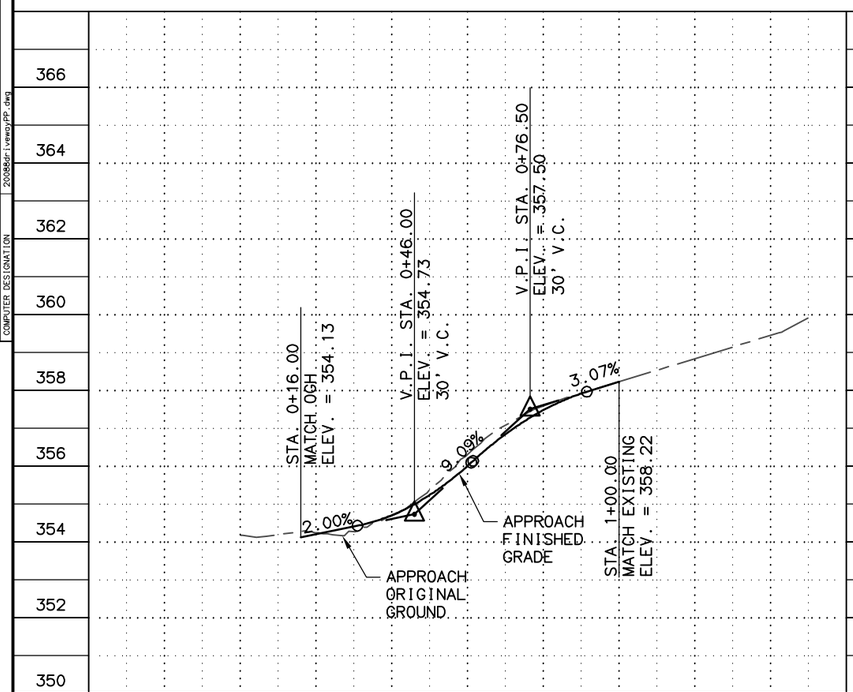
APPROACH PLAN AND PROFILE

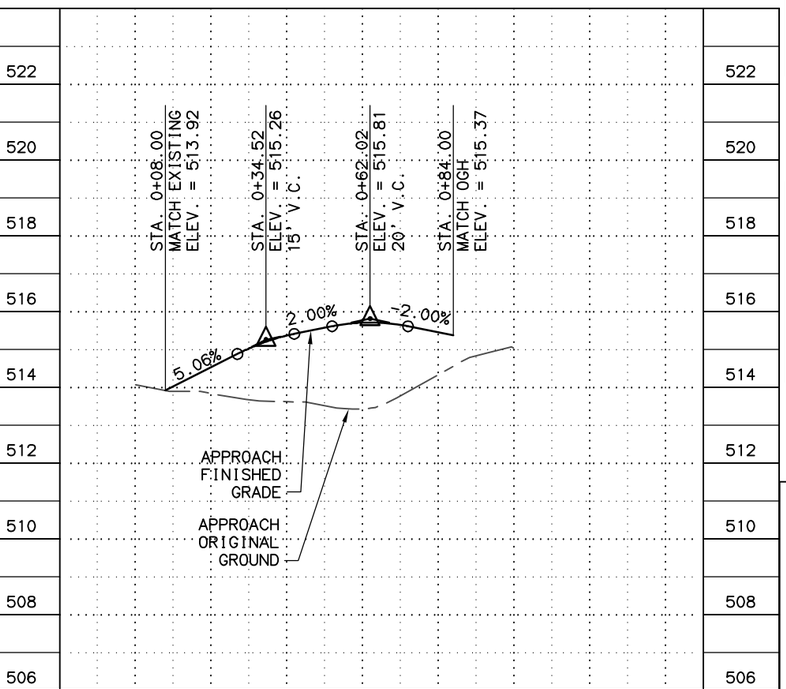
DESIGNED BY SMB
CHECKED BY BDM
DRAFTED BY NKG
DATE DRAFTED: 07/31/2009
LAYOUT: B1
PLOT SCALE: 1:1
20386pr1viewpPP.dwg
SPECIFICATIONS
SCALE: 1:20
COMPUTER DESIGNATION

			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	STP-0558(X)/50946	2009	G33	G33









POINT SUMMARY

LETTER	STATION	OFFSET	ELEVATION	REMARKS
A	0+27.98	28.46' RT	354.37	
B	0+46.19	18.22' RT	354.65	P.C.C.
C	0+27.98	28.46' LT	354.37	CURVE MIDPOINT
D	0+56.74	17.01' LT	356.49	P.C.C.
E	0+73.33	26.97' LT	-	MATCH EXISTING
F	0+66.78	32.74' LT	-	MATCH EXISTING

NOTE: ALL POINTS RELATE TO EDGE OF ASPHALT.

R.P. SUMMARY

NUMBER	STATION	OFFSET	RADIUS (FT)	REMARKS
1	512+88.42	56.00' RT	40.00	
2	513+09.74	50.60' RT	18.00	
3	513+82.42	56.37' RT	20.00	
4	514+02.42	56.00' RT	40.00	
5	318+47.70	56.00' LT	40.00	
6	318+38.77	56.00' LT	40.00	

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AMATS: OLD GLENN HIGHWAY S. BIRCHWOOD LOOP TO PETERS CREEK

APPROACH PLAN AND PROFILE

SPECIFICATIONS	
SCALE: 1:20	PLOT SCALE: 1:1
COMPUTER DESIGNATION	2008dpi vaneg/PP.dwg
LAYOUT: B1	
DESIGNED BY	SMB
CHECKED BY	BDM
DRAFTED BY	NKG
DATE DRAFTED: 07/31/2009	

SECURITY SELF STORAGE

A TRANS. EXCHANGE

R/W

R/W

R/W

R/W

COFFEE HUT

310+00

315+00

OLD GLENN HIGHWAY

4" Y

4" Y

12'

12'

4" W

4" W

320+00

BEGIN STRIPING
STA. 314+70.00

MATCHLINE – STA. 322+50

MATCHLINE – STA. 335+00

GILBERT

U-DO MINI STORAGE

METHODIST CHURCH

BUS STOP

1 STA. 323+37

2 STA. 323+61

4 STA. 324+93

PATHWAY

NO MOTOR VEHICLES

PATHWAY

NO MOTOR VEHICLES

4" Y

4" Y

12'

12'

4" W

4" W

325+00

+06

+19

+89

330+00

+00

335

4" Y SKIPS

4" Y SKIPS

OLD GLENN HIGHWAY

24"W

3 STA. 324+35

5 STA. 324+95

6 STA. 325+54

NO OUTLET

NO OUTLET

STOP

LAUGHLIN

OLD GLENN HWY

BUS STOP

DIVISION STREET

LAUGHLIN STREET

TNT PAINTIN

END OF PROJECT

SKY DR

PETERS CREEK

NORTH BIRCHWOOD LOOP RD

GLENN HWY

MINK LAKE

CREEK

PARKS

BEGINNING OF PROJECT

CREEK

BIRCHWOOD LOOP RD

SOUTH BIRCHWOOD LOOP RD

FIRE

OLD GLENN HWY

ALASKA RAILROAD

UPPER FIRE LAKE

LOWER FIRE LAKE

FIRE

CREEK

CREEK

N EAGLE RIVER ACCESS

SHEET NO.	TOTAL SHEETS
H1	H38
STATE	YEAR
ALASKA	2009

PROJECT DESIGNATION

STP-0558(X)/50946

ADDENDUM NO.

ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION

STATE OF ALASKA
49TH
REBECCA CAMPBELL
CE 10464
REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY
CRW ENGINEERING GROUP

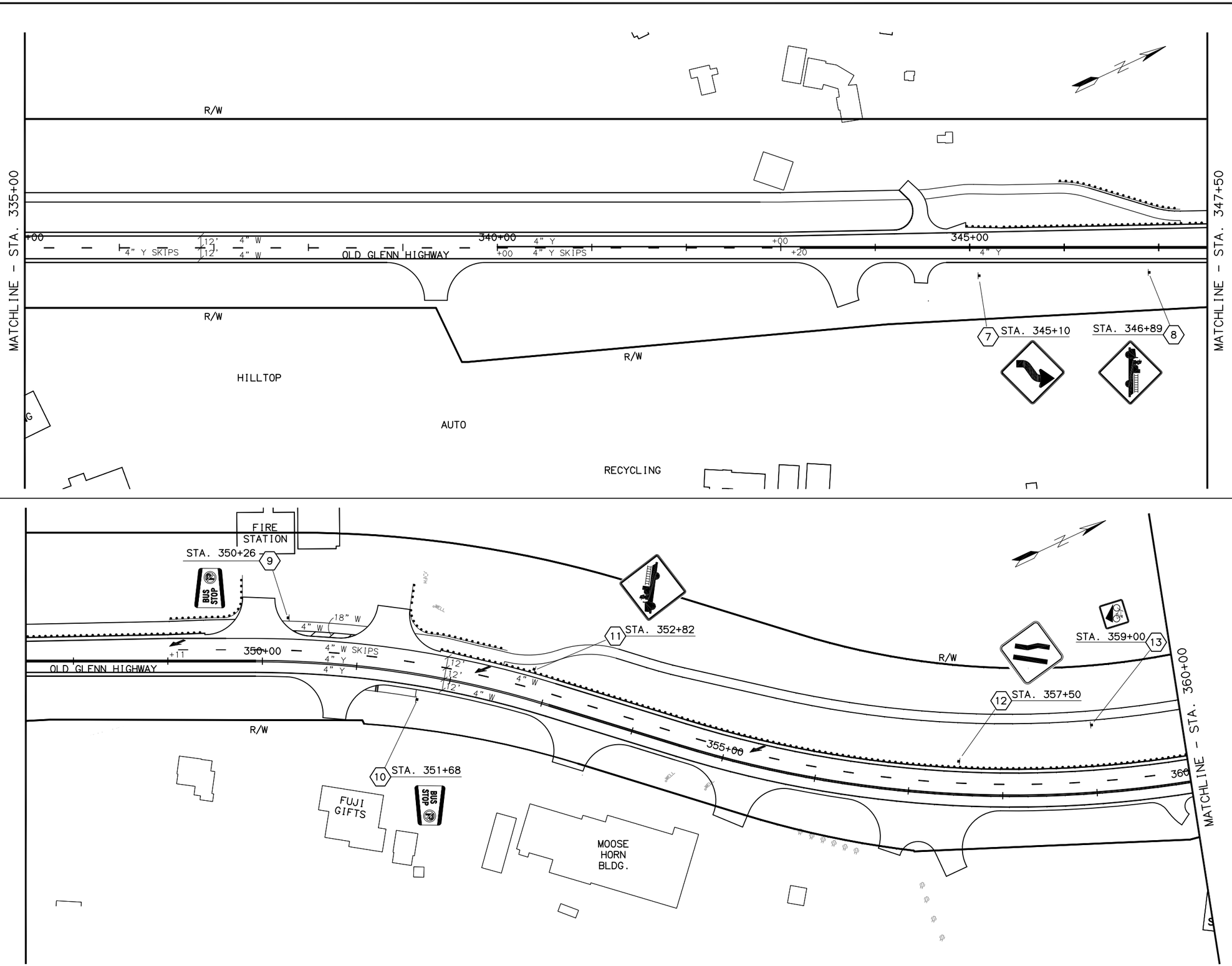
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

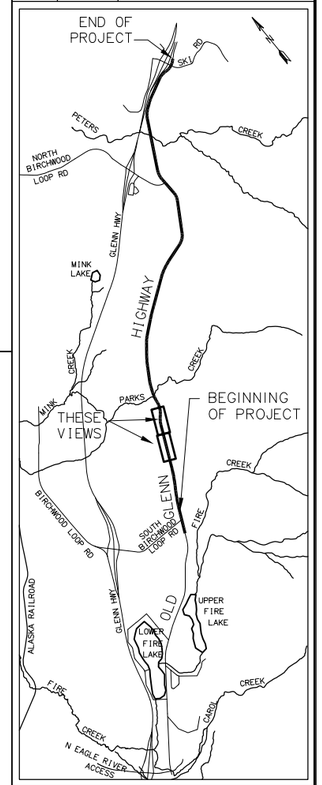
AMATS: OLD GLENN HIGHWAY
S. BIRCHWOOD LOOP TO
PETERS CREEK

SIGNING & STRIPING

DESIGNED BY	BDM
CHECKED BY	BDM
DRAFTED BY	MKG
DATE DRAFTED:	07/31/09
LAYOUT:	LAYOUT H1
PLOT SCALE:	1:1
SCALE:	1:1
COMPUTER DESIGNATION	2008SIGnStrip\Glen Ph1.dwg

SPECIFICATIONS





SHEET NO.	TOTAL SHEETS
H2	H38
STATE	YEAR
ALASKA	2009

PROJECT DESIGNATION

STP-0558(X)/50946

ADDENDUM NO.

ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION

STATE OF ALASKA
49TH
REBECCA CAMPBELL
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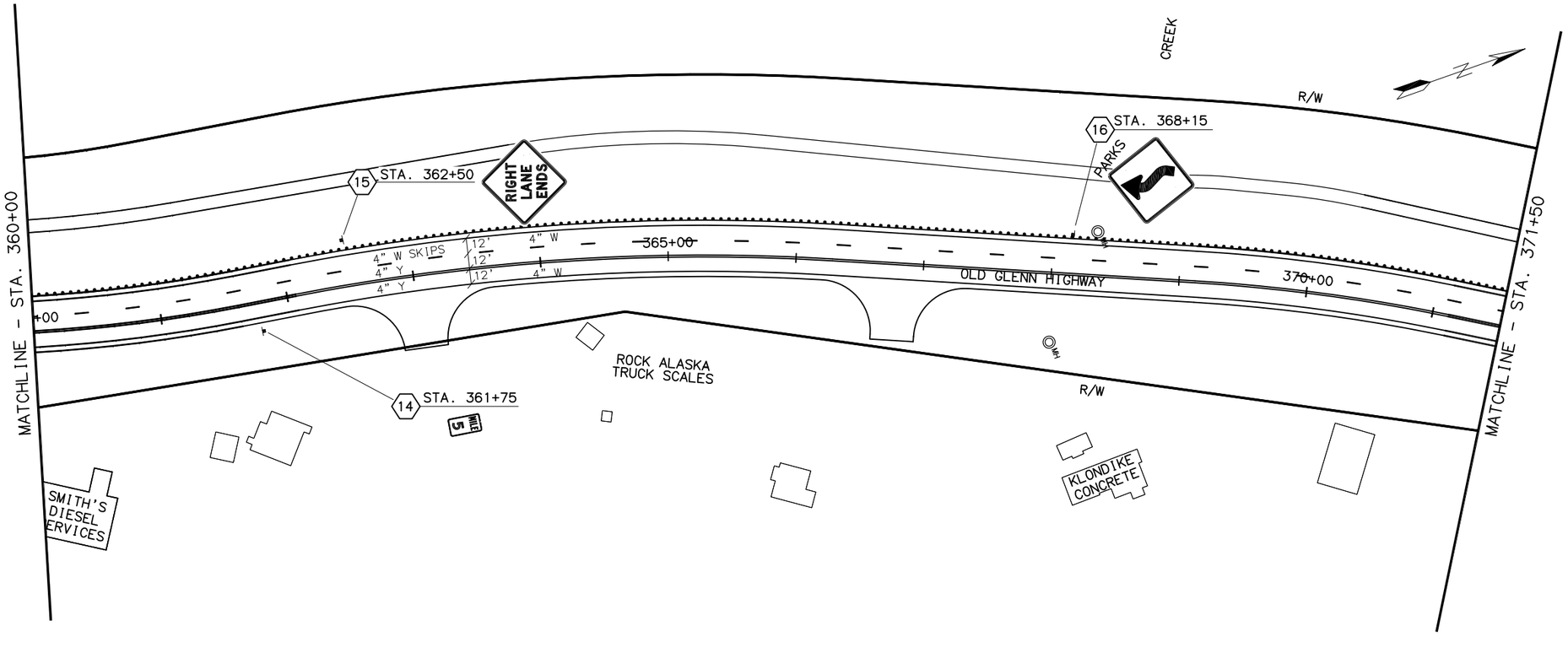
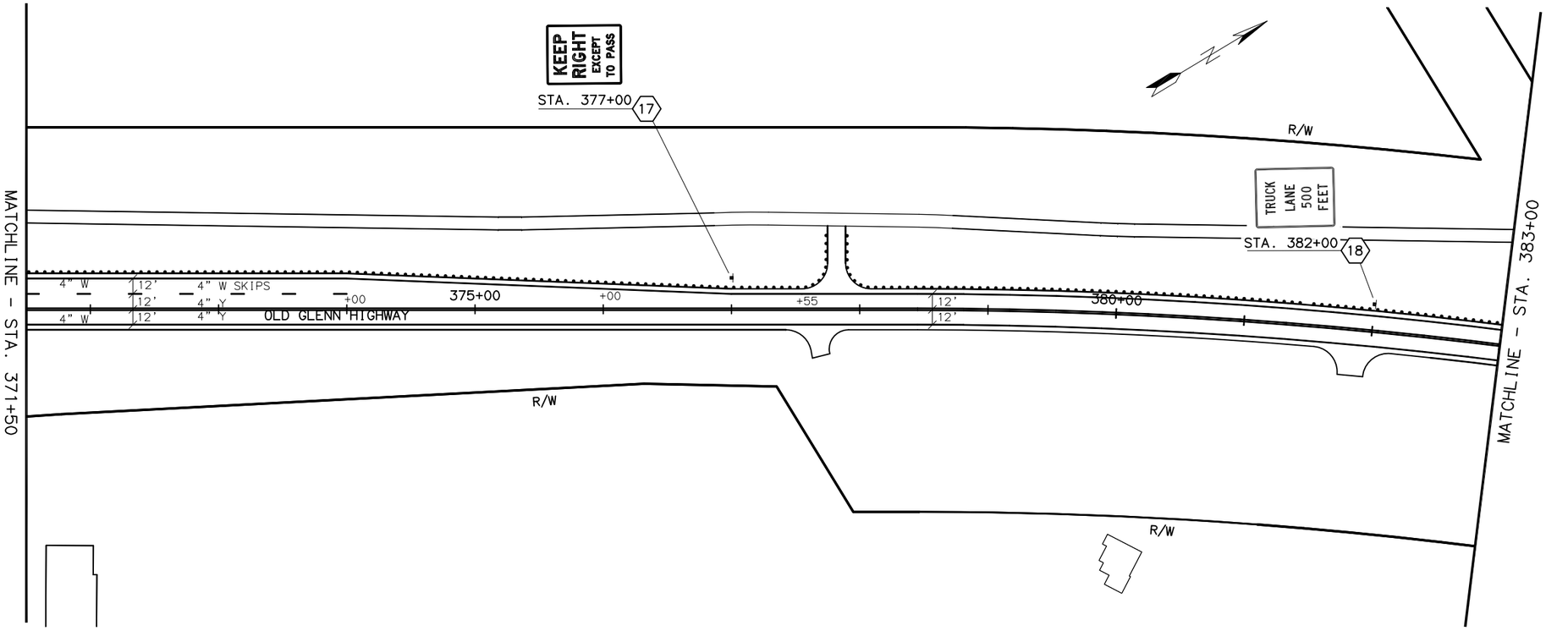
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

AMATS:OLD GLENN HIGHWAY
S. BIRCHWOOD LOOP TO
PETERS CREEK

SIGNING & STRIPING

SPECIFICATIONS
SCALE: 1:1
COMPUTER DESIGNATION
PLOT SCALE: 1:1
2008SIgnStrip Ph1.dwg
LAYOUT: LAYOUT 1
DESIGNED BY BKM
CHECKED BY BKM
DRAFTED BY MKG
DATE DRAFTED: 07/31/09





SHEET NO.	TOTAL SHEETS
H3	H38
STATE	YEAR
ALASKA	2008

PROJECT DESIGNATION

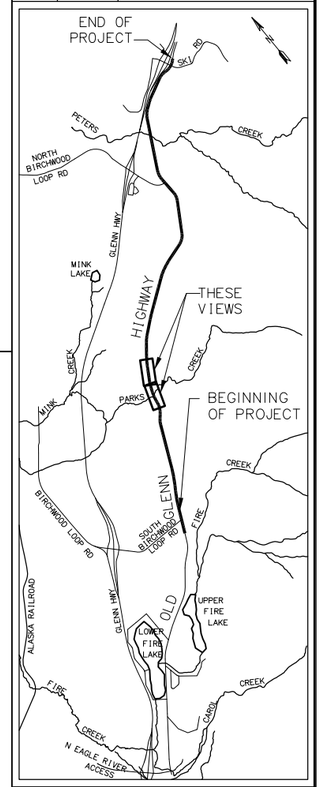
STP-0558(X)/50946

ADDENDUM NO.

ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION



STATE OF ALASKA
49TH
REBECCA CAMPBELL
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REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY
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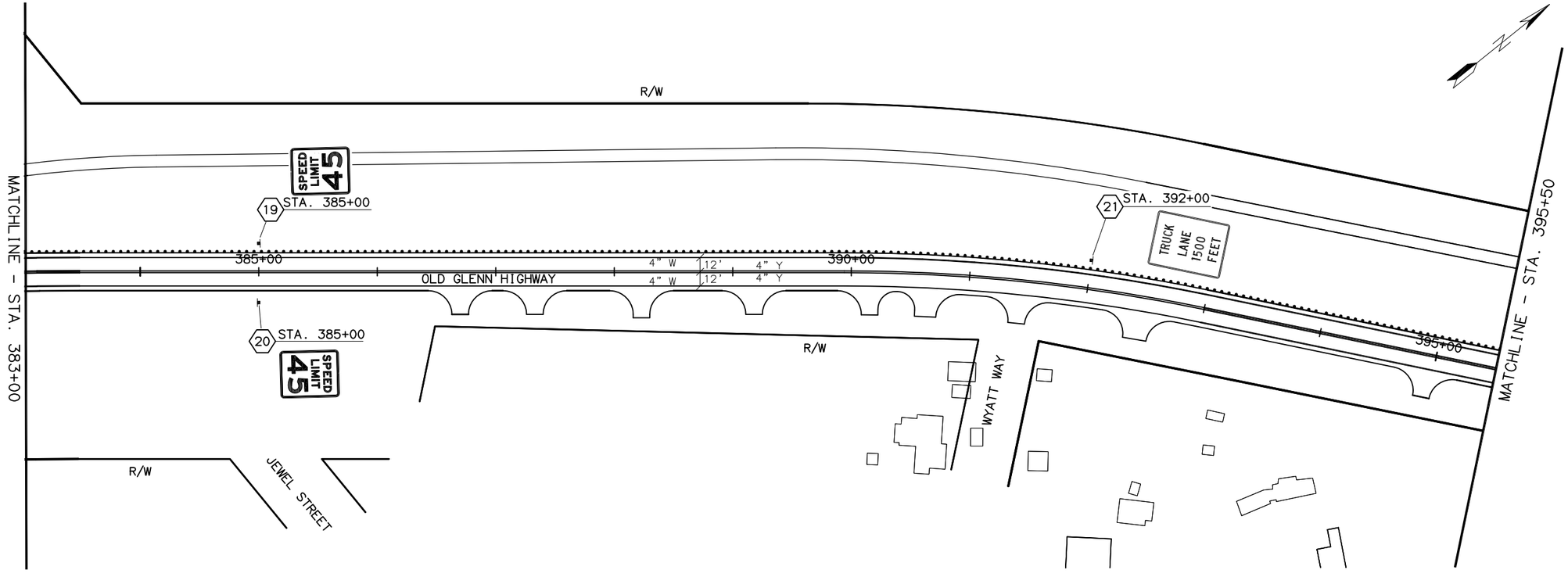
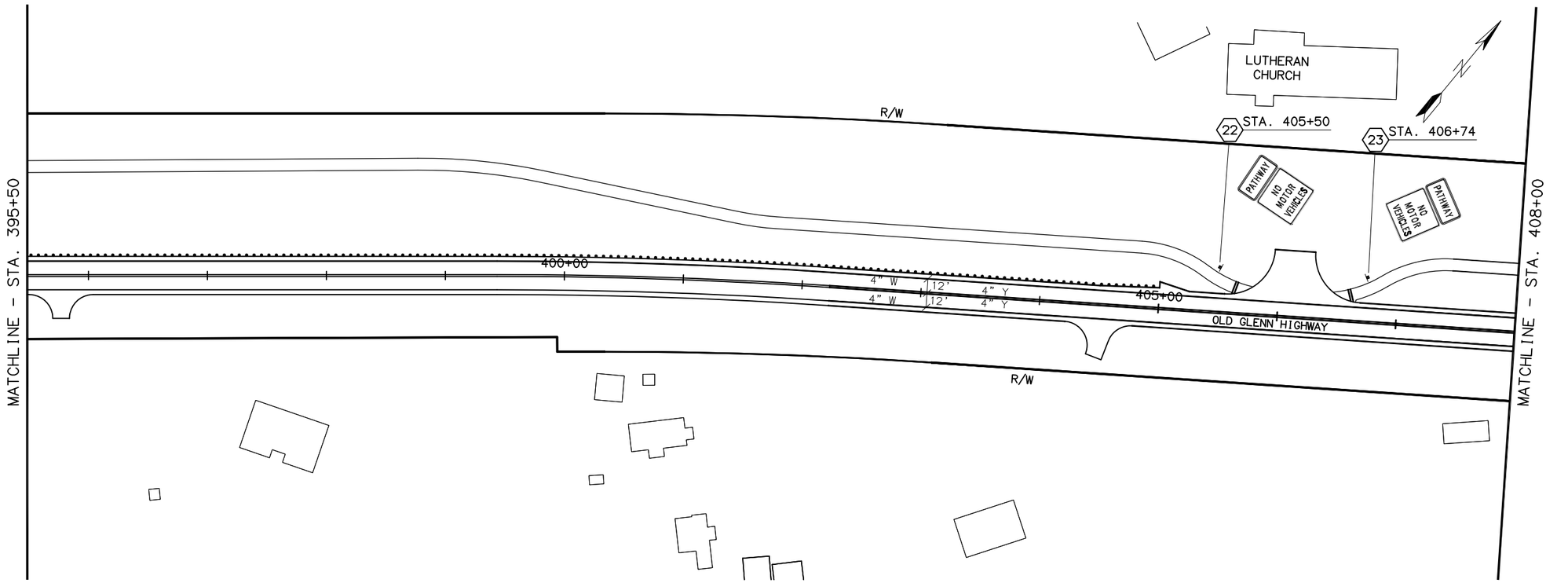
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

AMATS: OLD GLENN HIGHWAY S. BIRCHWOOD LOOP TO PETERS CREEK

SIGNING & STRIPING

SPECIFICATIONS
SCALE: 1" = 1'
COMPUTER DESIGNATION
PLOT SCALE: 1:1
2008BSLgnSch1.tpx Ph1I.dwg
LAYOUT: LAYOUT H3
DESIGNED BY BKM
CHECKED BY BKM
DRAFTED BY MKG
DATE DRAFTED: 07/31/09





SHEET NO.	TOTAL SHEETS
H4	H38
STATE	YEAR
ALASKA	2009

PROJECT DESIGNATION

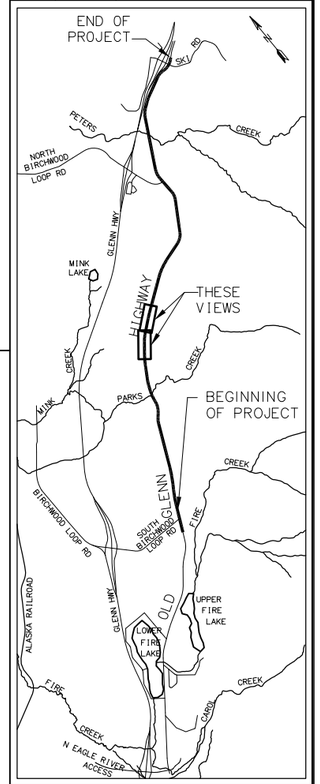
STP-0558(X)/50946

ADDENDUM NO.

ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION



STATE OF ALASKA
49TH
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PLANS DEVELOPED BY
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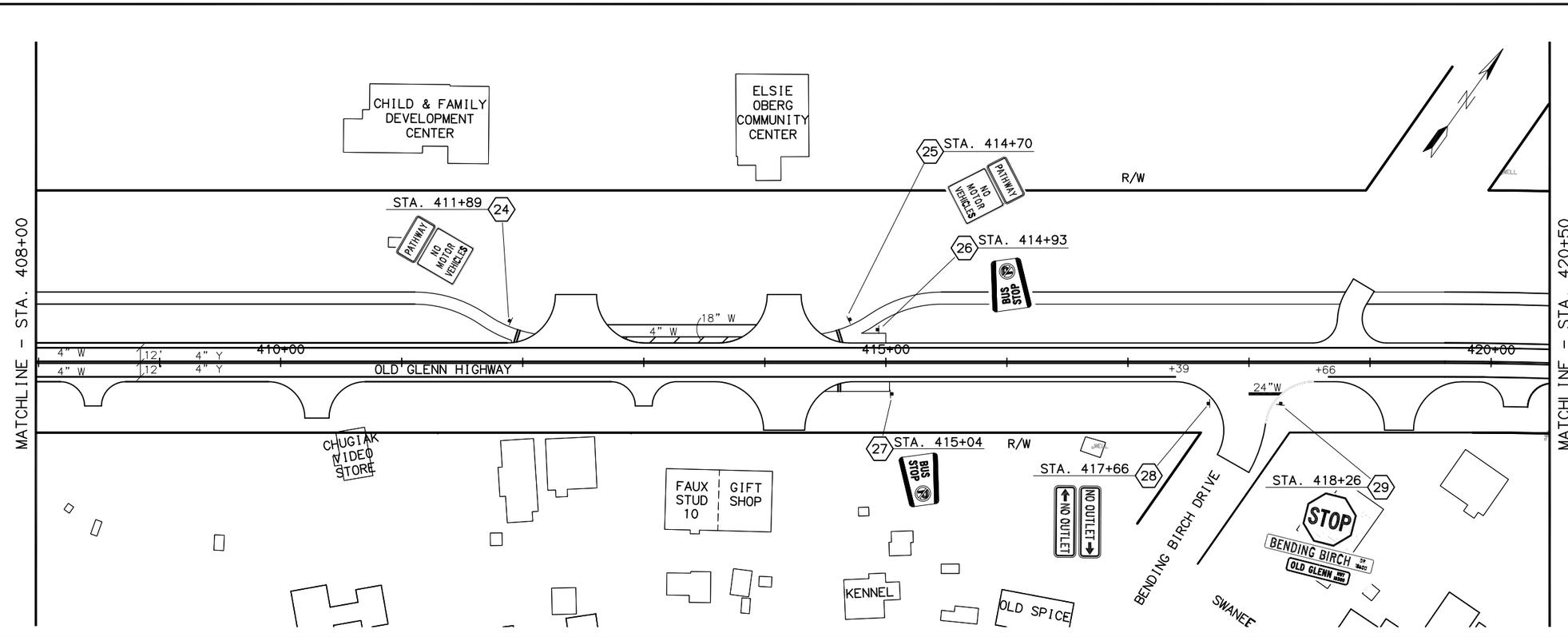
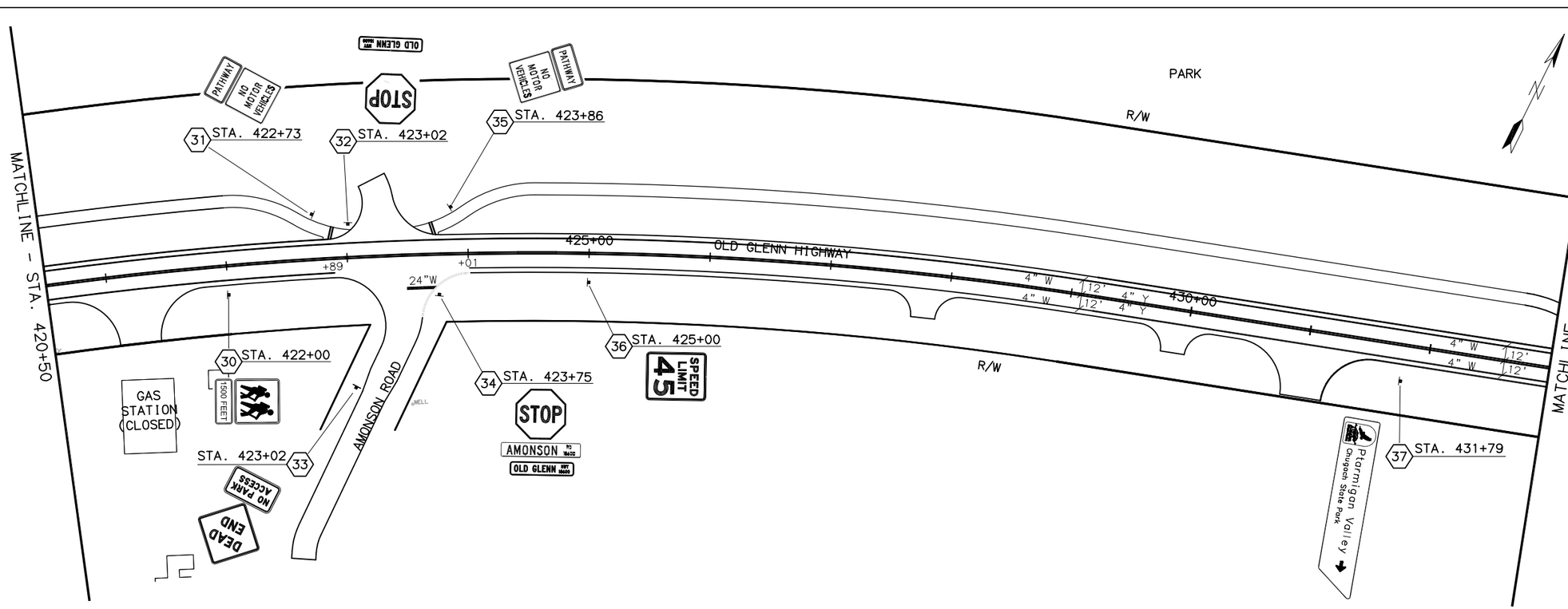
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

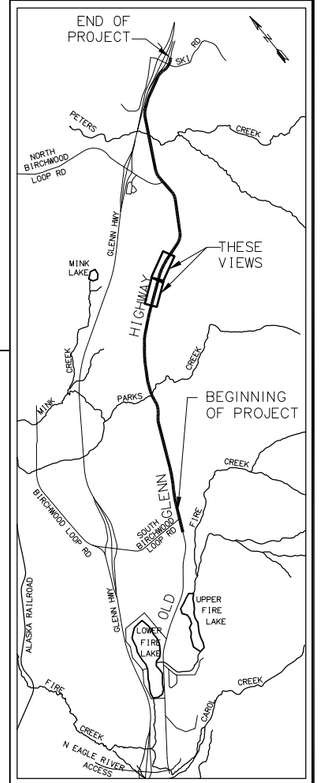
AMATS: OLD GLENN HIGHWAY S. BIRCHWOOD LOOP TO PETERS CREEK

SIGNING & STRIPING

SPECIFICATIONS	
SCALE: 1:1	PLOT SCALE: 1:1
COMPUTER DESIGNATION	LAYOUT: LAYOUT H4
	2008SSignStripe Ph1.dwg
DESIGNED BY	BCM
CHECKED BY	BCM
DRAFTED BY	MKG
DATE DRAFTED:	07/31/09







SHEET NO.	TOTAL SHEETS
H5	H38
STATE	YEAR
ALASKA	2009

PROJECT DESIGNATION

STP-0558(X)/50946

ADDENDUM NO.

ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION

STATE OF ALASKA
49TH
REBECCA CAMPBELL
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AND
PUBLIC FACILITIES

AMATS: OLD GLENN HIGHWAY
S. BIRCHWOOD LOOP TO
PETERS CREEK

SIGNING & STRIPING

SPECIFICATIONS
SCALE: 1:1
COMPUTER DESIGNATION
PLOT SCALE: 1:1
2008BSLIgnSht1.tpx Phil.dwg
LAYOUT: LAYOUT H5
DESIGNED BY BKM
CHECKED BY BKM
DRAFTED BY MKG
DATE DRAFTED: 07/31/09

SHEET NO.	TOTAL SHEETS
H6	H38
STATE	YEAR
ALASKA	2009

PROJECT DESIGNATION

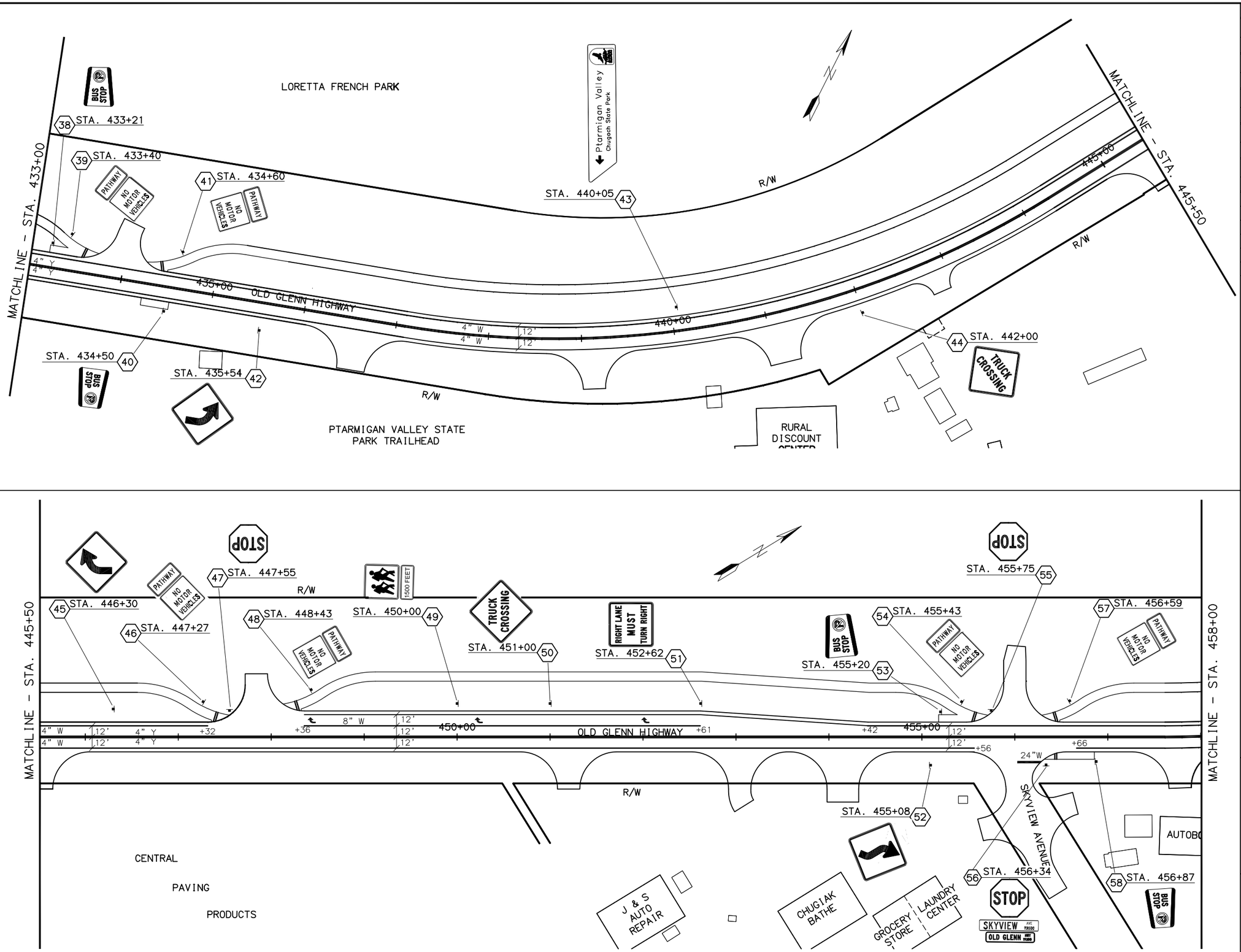
STP-0558(X)/50946

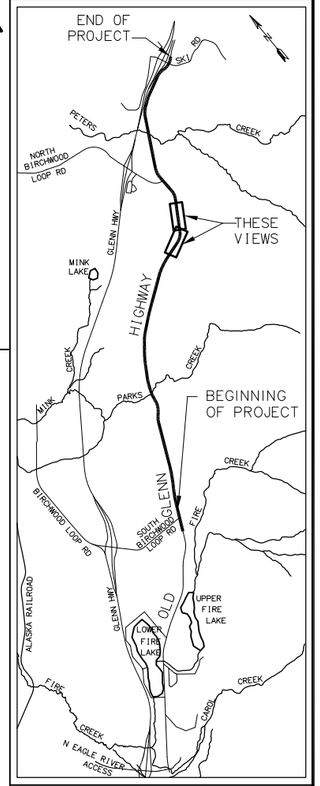
ADDENDUM NO.

ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION





STATE OF ALASKA
49TH
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PLANS DEVELOPED BY
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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

AMATS: OLD GLENN HIGHWAY S. BIRCHWOOD LOOP TO PETERS CREEK

SIGNING & STRIPING

SPECIFICATIONS	
SCALE: 1" = 100'	PLOT SCALE: 1:1
COMPUTER DESIGNATION	LAYOUT: LAYOUT H6
2008SIGnSht-Use Ph1.dwg	
DESIGNED BY	BKM
CHECKED BY	BKM
DRAFTED BY	MKG
DATE DRAFTED:	07/31/09

SHEET NO.	TOTAL SHEETS
H7	H38
STATE	YEAR
ALASKA	2009

PROJECT DESIGNATION

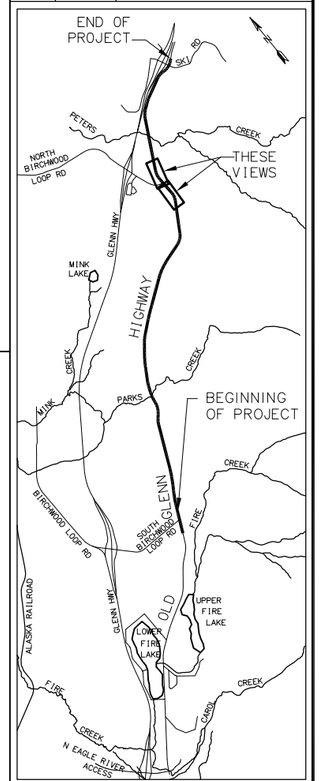
STP-0558(X)/50946

ADDENDUM NO.

ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION



STATE OF ALASKA
49TH
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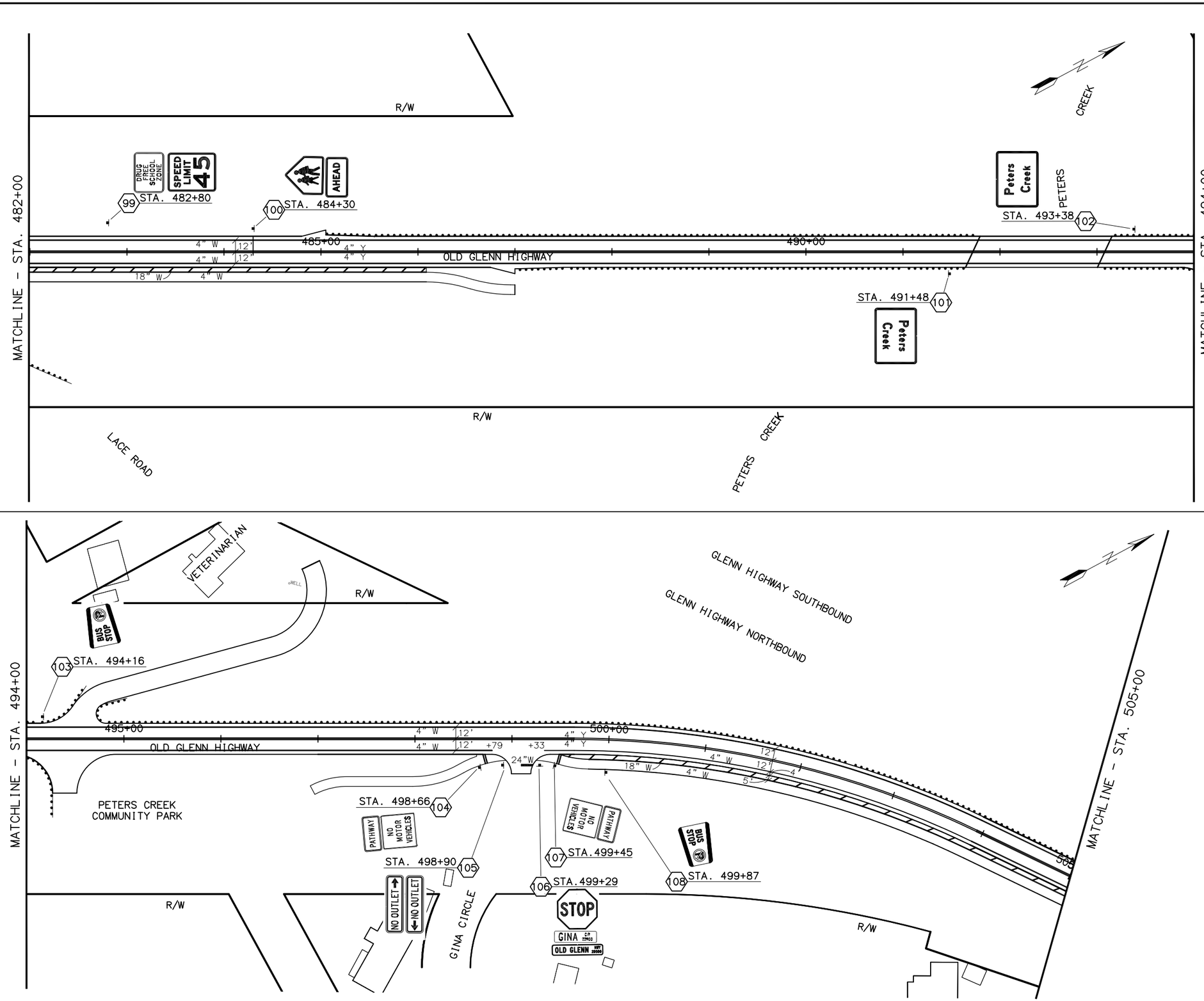
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

AMATS: OLD GLENN HIGHWAY
S. BIRCHWOOD LOOP TO
PETERS CREEK

SIGNING & STRIPING

SPECIFICATIONS			
SCALE:	1:1	PLOT SCALE: 1:1	LAYOUT: LAYOUT H7
COMPUTER DESIGNATION		2008BSpyStripe Ph1.dwg	

DESIGNED BY	BKM	DATE DRAFTED: 07/31/09
CHECKED BY	BKM	
DRAFTED BY	NKG	



SHEET NO.	TOTAL SHEETS
H8	H38
STATE	YEAR
ALASKA	2009

PROJECT DESIGNATION

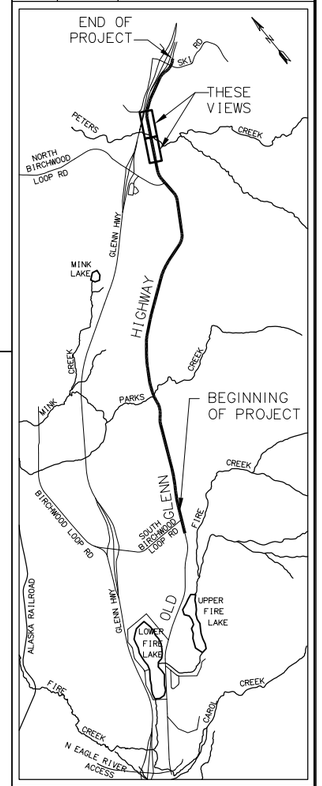
STP-0558(X)/50946

ADDENDUM NO.

ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION



STATE OF ALASKA
49TH
REBECCA CAMPBELL
CE 10464
REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY
CRW ENGINEERING GROUP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

AMATS: OLD GLENN HIGHWAY
S. BIRCHWOOD LOOP TO
PETERS CREEK

SIGNING & STRIPING

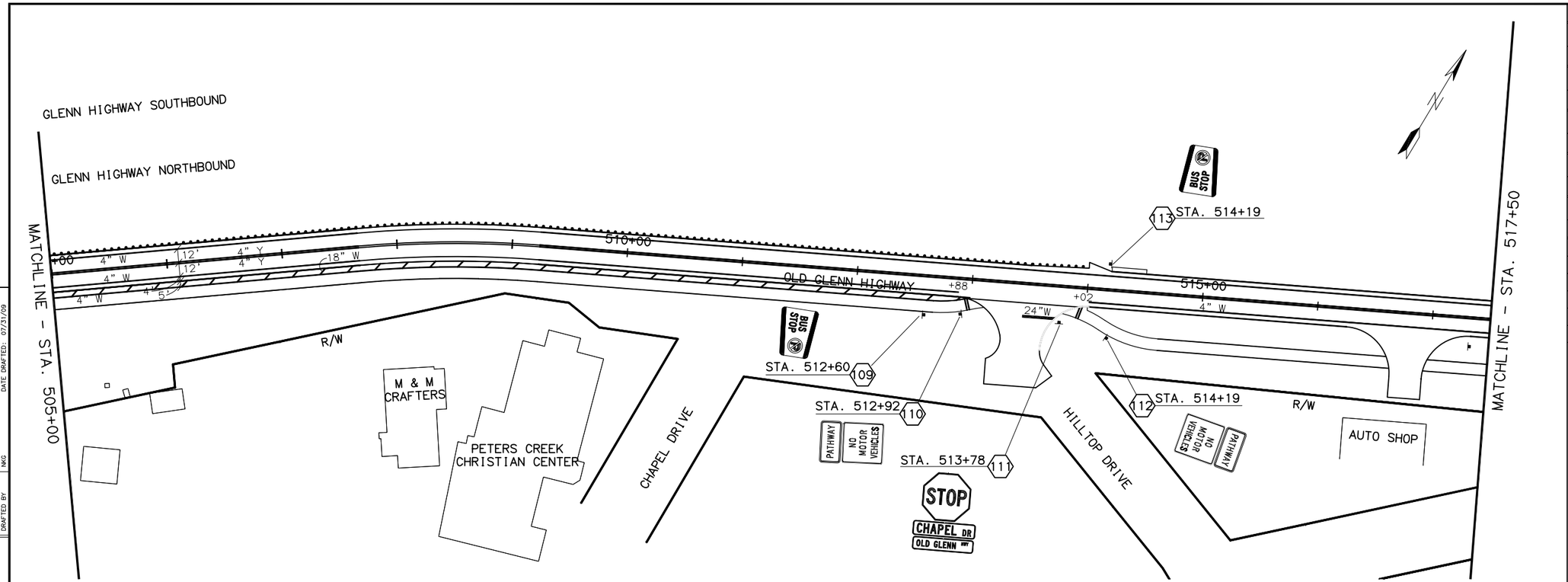
SPECIFICATIONS
SCALE: 1:1
COMPUTER DESIGNATION

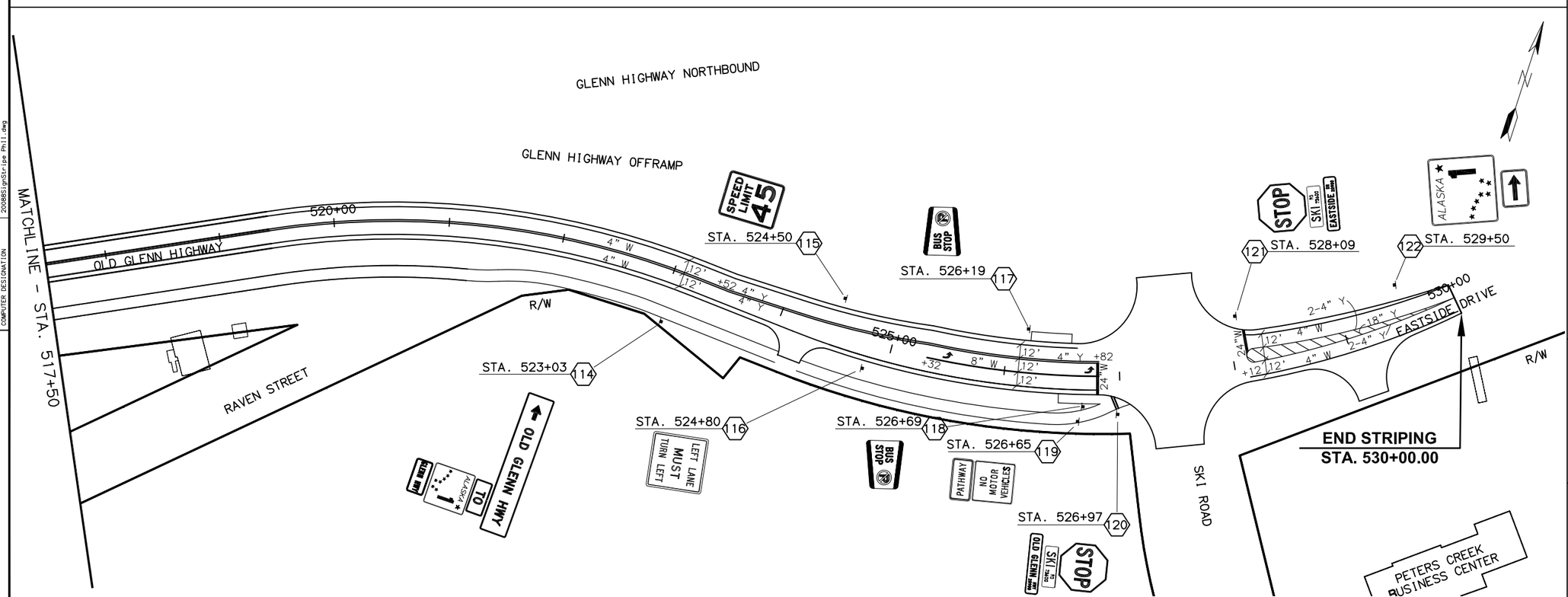
PLOT SCALE: 1:1
2008SLignSht1.dgn Phil.dwg

LAYOUT: LAYOUT H8

DESIGNED BY: BCM
CHECKED BY: BCM
DRAFTED BY: MKG

DATE DRAFTED: 07/31/09





SHEET NO.	TOTAL SHEETS
H9	H38
STATE	YEAR
ALASKA	2009

PROJECT DESIGNATION

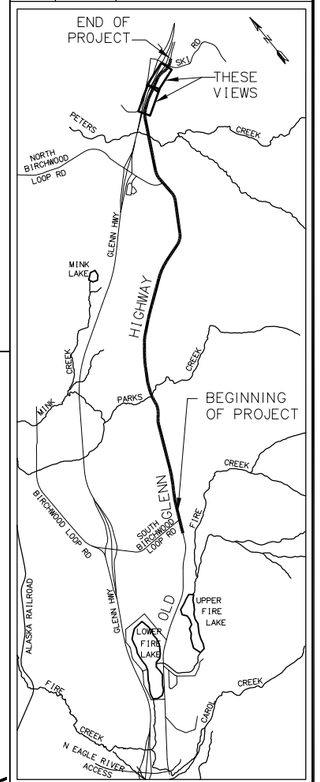
STP-0558(X)/50946

ADDENDUM NO.

ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION



STATE OF ALASKA
49TH
REBECCA CAMPBELL
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PLANS DEVELOPED BY
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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

AMATS: OLD GLENN HIGHWAY
S. BIRCHWOOD LOOP TO
PETERS CREEK

SIGNING & STRIPING

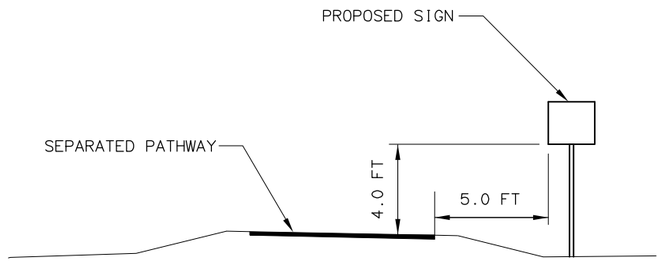
DESIGNED BY	BDM
CHECKED BY	BDM
DRAFTED BY	MKG
DATE DRAFTED:	07/31/09
LAYOUT:	LAYOUT H9
PLOT SCALE:	1:1
2008SIGnSht1pw Ph1.dwg	
SCALE:	1"=50'
COMPUTER DESIGNATION	
SPECIFICATIONS	

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	STP-0558(X)/50946	2009	H10	H38

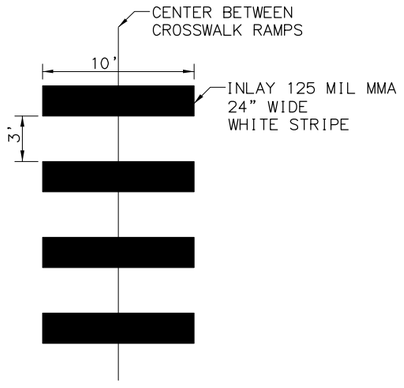
SPECIFICATIONS | DESIGNED BY: BDM
SCALE: 1:1 | CHECKED BY: BDM
COMPUTER DESIGNATION: 2008S1PHS1F-1SE-Ph11.dwg | DRAFTED BY: NKG
PLOT SCALE: 1:1 | DATE DRAFTED: 07/31/09
LAYOUT: H10

STRIPING NOTES:

1. UNLESS OTHERWISE NOTED, ALL STRIPING SHALL BE TRAFFIC PAINT.
2. IF THE NEW AND EXISTING LONGITUDINAL PAVEMENT MARKINGS ARE NOT ALIGNED AT THE MATCH LINE, TRANSITION BETWEEN THE TWO USING A 100:1 TAPER ON THE NEW PAVEMENT.
3. INSTALL THE ARROWS IN ACCORDANCE WITH STANDARD DRAWING T-21.02 T-21.02, SETTING THE DIMENSION "D" TO 50 FT.
4. DIMENSIONS REFER TO THE CENTER OF STRIPE AND THE EDGE OF PAVEMENT, OR FACE OF CURB WHEN PRESENT.
5. INSTALL THE APPROACH TO OBSTRUCTION MARKINGS IN ACCORDANCE WITH STANDARD DRAWING T-20.01 SETTING THE DIMENSION "S" TO 20 IN.
6. SEE BUS STOP DETAILS FOR PEOPLE MOVER SIGN POST PLACEMENT.
7. INSTALL STOP BAR MARKINGS,PATHWAY MARKINGS AND STOP SIGNS IN ACCORDANCE WITH STANDARD DETAIL CR-01.00



SIGN SETBACK FROM SEPARATED PATHWAY



CROSSWALK MARKINGS

STATE OF ALASKA
49TH
REBECCA CAMPBELL
CE 10464
REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY
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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

AMATS: OLD GLENN HIGHWAY S. BIRCHWOOD LOOP TO PETERS CREEK

SIGNING & STRIPING

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION					
			ALASKA	STP-0558(X)/50946	2009	H11	H38

SIGN SUMMARY

SHEET NO	POST NO	STA	REF CL	TYPE	LEGEND	SIZE INCH W	SIZE INCH H	AREA SQ FT	SIGN FACES	POSTS NO, SIZE, & TYPE	THICKNESS (IN) FRAMED Y	THICKNESS (IN) FRAMED N	FONT SERIES	LEGEND/ MARGIN WIDTHS	REMARKS
H1	1	323+37	LT	R7-107M	PEOPLE MOVER	18	18	2.25	NE	1-2.5 IN PT		0.125			
H1	2	323+61	LT	R5-3AP	PATHWAY	18	6	0.75	SE	1-2.5 IN PT		0.125			
				R5-3A	NO MOTOR VEHICLES	18	24	3.00	SE			0.125			
H1	3	324+35	RT	W14-2PR	NO OUTLET RIGHT	36	12	3.00	NE	1-2.5 IN PT	0.125				
				W14-2PL	NO OUTLET LEFT	36	12	3.00	SW		0.125				
H1	4	324+93	LT	R5-3AP	PATHWAY	18	6	0.75	SW	1-2.5 IN PT		0.125			
				R5-3A	NO MOTOR VEHICLES	18	24	3.00	SW			0.125			
H1	5	324+95	RT	R1-1	STOP	30	30	6.25	SE	1-2.5 IN PT		0.125			
				D3-1D	OLD GLENN HWY 16300	38	8	4.22	NW/SE			0.125			INSTALL TWO SIGNS BACK TO BACK
				D3-1D	LAUGHLIN ST 20000	44	12	7.33	NE/SW		0.125		C		INSTALL TWO SIGNS BACK TO BACK
H1	6	325+51	LT	R7-107M	PEOPLE MOVER	18	18	2.25	SW	1-2.5 IN PT		0.125			
H2	7	345+10	RT	W1-4R	REVERSE CURVE	36	36	9.00	SW	1-2.5 IN P	0.125				
H2	8	346+89	RT	W11-8	FIRE TRUCK	36	36	9.00	SW	ST	0.125				FLASHING BEACON
H2	9	350+26	LT	R7-107M	PEOPLE MOVER	18	18	2.25	NE	1-2.5 IN PT		0.125			
H2	10	351+68	RT	R7-107M	PEOPLE MOVER	18	18	2.25	SW	1-2.5 IN PT		0.125			
H2	11	352+82	LT	W11-8	FIRE TRUCK	36	36	9.00	NE	ST	0.125				FLASHING BEACON
H2	12	357+50	LT	W4-2R	LANE ENDS (SYMBOL)	36	36	9.00	NE	1-2.5 IN P	0.125				INSTALL BEHIND GUARDRAIL
H2	13	359+00	LT	W7-5	HILL (BICYCLE)	18	18	2.25	SW	1-2.5 IN PT		0.125			
H3	14	361+75	RT	D10-1	MILE 5	10	18	2.50	S	1-2.5 IN PT		0.125			INSTALL TWO SIGNS BACK TO BACK
H3	15	362+50	LT	W9-1	RIGHT LANE ENDS	36	36	9.00	NE	1-2.5 IN T	0.125				INSTALL BEHIND GUARD RAIL
H3	16	368+15	LT	W1-4L	REVERSE CURVE	36	36	9.00	NE	1-2.5 IN P	0.125				INSTALL BEHIND GUARD RAIL
H3	17	377+00	LT	R4-100	KEEP RIGHT EXCEPT TO PASS	36	48	12.00	NE	1-2.5 IN P	0.125				INSTALL BEHIND GUARD RAIL
H3	18	382+00	LT	R4-6A	TRUCK LANE 500 FEET	36	48	12.00	NE	1-2.5 IN P	0.125				INSTALL BEHIND GUARD RAIL
H4	19	385+00	LT	R2-1	SPEED LIMIT 45	30	36	7.50	NE	1-2.5 IN P		0.125			INSTALL BEHIND GUARD RAIL
H4	20	385+00	RT	R2-1	SPEED LIMIT 45	30	36	7.50	SW	1-2.5 IN P		0.125			
H4	21	392+00	LT	R4-6	TRUCK LANE 1500 FEET	36	48	12.00	NE	1-2.5 IN P	0.125				INSTALL BEHIND GUARD RAIL
SIGN AREA THIS SHEET 150.06															

SIGNING NOTES:

1. THE STATIONS AT WHICH THE SIGNS ARE TO BE INSTALLED ARE APPROXIMATE. INSTALL STOP SIGNS IN ACCORDANCE WITH THE STOP SIGN AND STOP BAR INSTALLATION DETAILS, AND ALL OTHER SIGNS AT LOCATIONS AS DIRECTED BY THE ENGINEER.
2. THE POST TYPES INDICATED IN THIS SUMMARY ARE ABBREVIATED:
   - P.T. = PERFORATED STEEL TUBE
   - T. = SQUARE STEEL TUBE
   - P. = ROUND STEEL PIPE, AND
   - W = WIDE FLANGE BEAM
   - ST = TAPERED STEEL TUBE
   - POPL = POLE PLATE INSTALLED PER DETAIL
3. INSTALL CONCRETE EMBEDMENT FOR THE PERFORATED STEEL TUBE POST FOUNDATIONS AS SHOWN ON STANDARD DRAWING S-30.03.
4. PROVIDE 2.0 FT OF CLEARANCE BETWEEN THE EDGE OF ATTACHED PATHWAYS/SIDEWALKS AND EDGE OF SIGNS. FOR TRAPEZOIDAL SIGN ENDS OVER A PATHWAY/SIDEWALK, PROVIDE THE 2.0 FT CLEARANCE TO AT LEAST 7.0 FT ABOVE THE PATHWAY/SIDEWALK. SEE DETAIL FOR SEPARATED PATHWAY SIGN INSTALLATION.
5. WHEN TUBES AND PIPES ARE USED TO SUPPORT A SIGN, INSTALL THE OUTER POSTS ON MAXIMUM 6.0 FT CENTERS. WHEN WIDE FLANGE POSTS ARE USED, INSTALL THE W SHAPE POSTS IN EACH SIGN INSTALLATION ON MINIMUM 8.0 FT CENTERS.
6. FABRICATE THE POST(S) IN EACH SIGN INSTALLATION LONG ENOUGH TO PROVIDE THE FOLLOWING MINIMUM CLEARANCES:
   - A. 7.0 FT BETWEEN THE BOTTOM OF THE SIGN AND THE EDGE OF PAVEMENT.
   - B. 7.0 FT BETWEEN THE BOTTOM OF SIGN AND THE GROUND AT THE SHORTEST POST.
   - C. 9.0 FT BETWEEN THE TOP OF SIGN AND THE GROUND AT THE SHORTEST POST.
   - D. 4.0 FT BETWEEN THE GROUND AND THE CORNER OF SIGN IN A CUT SECTION.
7. IN EACH MULTI-POST SIGN INSTALLATION, FABRICATE THE POSTS WITH THEIR TOPS LEVEL WITH ONE ANOTHER.
8. INSTALL THE TOP EDGE OF ALL SIGN PANELS ABOVE AND WITHIN 1 IN OF THE TOP(S) OF SIGN POST(S), EXCEPT WHEN D3-1 STREET NAME SIGNS ARE TO BE INSTALLED.
9. ATTACH FRAMED SIGNS TO THEIR POSTS AT ALL LOCATIONS WHERE THE FRAMES CROSS EACH POST.
10. FABRICATE ALL GUIDE SIGNS IN ACCORDANCE WITH THE SHOP DRAWINGS INCLUDED IN THE SPECIAL PROVISIONS. SEE APPENDIX D. TRIM THE CORNERS OF ALL SIGNS TO THE RADIUS SHOWN ON EACH SHOP DRAWING.

DESIGNED BY BDM
CHECKED BY DST
DRAFTED BY MKG
DATE DRAFTED: 07/31/09
LAYOUT: H11
PLOT SCALE: 1:1
2008BLUprint.dwg
SPECIFICATIONS
SCALE: NTS
COMPUTER DESIGNATION

STATE OF ALASKA
49TH
REBECCA CAMPBELL
CE 10464
REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY
CRW ENGINEERING GROUP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

AMATS: OLD GLENN HIGHWAY
S. BIRCHWOOD LOOP TO
PETERS CREEK

SIGN SUMMARY

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	STP-0558(X)/50946	2009	H12	H38

SIGN SUMMARY

SHEET NO	POST NO	STA	REF CL	TYPE	LEGEND	SIZE INCH W	SIZE INCH H	AREA SQ FT	SIGN FACES	POSTS NO, SIZE, & TYPE	THICKNESS (IN) FRAMED Y	THICKNESS (IN) FRAMED N	FONT SERIES	LEGEND/ MARGIN WIDTHS	REMARKS
H4	22	405+50	LT	R5-3AP	PATHWAY	18	6	0.75	SE	1-2.5 IN PT		0.125			
				R5-3A	NO MOTOR VEHICLES	18	24	3.00	SE			0.125			
H4	23	406+74	LT	R5-3AP	PATHWAY	18	6	0.75	SW	1-2.5 IN PT		0.125			
				R5-3A	NO MOTOR VEHICLES	18	24	3.00	SW			0.125			
H4	24	411+89	LT	R5-3AP	PATHWAY	18	6	0.75	SE	1-2.5 IN PT		0.125			
				R5-3A	NO MOTOR VEHICLES	18	24	3.00	SE			0.125			
H4	25	414+70	LT	R5-3AP	PATHWAY	18	6	0.75	SW	1-2.5 IN PT		0.125			
				R5-3A	NO MOTOR VEHICLES	18	24	3.00	SW			0.125			
H5	26	414+93	LT	R7-107M	PEOPLE MOVER	18	18	2.25	NE	1-2.5 IN PT		0.125			
H5	27	415+04	RT	R7-107M	PEOPLE MOVER	18	18	2.25	SW	1-2.5 IN PT		0.125			
H5	28	417+66	RT	W14-2PR	NO OUTLET RIGHT	36	12	3.00	E/W	1-2.5 IN PT	0.125				
				W14-2PL	NO OUTLET LEFT	36	12	3.00	W		0.125				
H5	29	418+26	RT	R1-1	STOP	30	30	6.25	S	1-2.5 IN PT		0.125			
				D3-1D	OLD GLENN HWY 18500	38	8	4.22	N/S			0.125			INSTALL TWO SIGNS BACK TO BACK
				D3-1D	BENDING BIRCH DR 18600	60	12	10.00	E/W		0.125		B	45.60/2.00	INSTALL TWO SIGNS BACK TO BACK
H5	30	422+00	RT	RL-100	TRAILHEAD (SYMBOL)	24	24	8.00	SW	1-2.5 IN P		0.125			
				D9-308	1500 FEET	24	6	2.00	SW			0.125			
H5	31	422+73	LT	R5-3AP	PATHWAY	18	6	0.75	SE	1-2.5 IN PT		0.125			
				R5-3A	NO MOTOR VEHICLES	18	24	3.00	SE			0.125			
H5	32	423+02	LT	R1-1	STOP	30	30	6.25	S	1-2.5 IN PT		0.125			
				D3-1D	OLD GLENN HWY 18600	38	8	4.22	NW/SE			0.125			INSTALL TWO SIGNS BACK TO BACK
				D3-1D	KERBOW LN 18600	45	12	7.50	NE/SW		0.125		C		INSTALL TWO SIGNS BACK TO BACK
H5	33	423+02	RT	W14-1	DEAD END	30	30	6.25	N	1-2.5 IN PT		0.125			
				SPECIAL	NO PARK ACCESS	30	18	3.75	N			0.125			
H5	34	423+75	RT	R1-1	STOP	30	30	6.25	SE	1-2.5 IN PT		0.125			
				D3-1D	OLD GLENN HWY 18600	38	8	4.22	NW/SE			0.125			INSTALL TWO SIGNS BACK TO BACK
				D3-1D	AMONSON RD 18600	45	12	7.50	NE/SW		0.125		C		INSTALL TWO SIGNS BACK TO BACK
H5	35	423+86	LT	R5-3AP	PATHWAY	18	6	0.75	SW	1-2.5 IN PT		0.125			
				R5-3A	NO MOTOR VEHICLES	18	24	3.00	SW			0.125			
H5	36	425+00	RT	R2-1	SPEED LIMIT 45	30	36	7.50	SW	1-2.5 IN P		0.125			
H5	37	431+79	RT	D7-2	PTARMIGAN VALLEY STATE PARK	150	30	31.25	SW	2-3 IN T	0.125				
SIGN AREA THIS SHEET 148.17															

DESIGNED BY BDM
CHECKED BY DST
DRAFTED BY MKG
DATE DRAFTED: 07/31/09
LAYOUT: H12
PLOT SCALE: 1:1
20388s1grasun.dwg
SPECIFICATIONS
SCALE: NTS
COMPUTER DESIGNATION

STATE OF ALASKA
49TH
REBECCA CAMPBELL
CE 10464
REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY
CRW ENGINEERING GROUP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

AMATS: OLD GLENN HIGHWAY
S. BIRCHWOOD LOOP TO
PETERS CREEK

SIGN SUMMARY

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION					
			ALASKA	STP-0558(X)/50946	2009	H13	H38

SIGN SUMMARY

SHEET NO	POST NO	STA	REF CL	TYPE	LEGEND	SIZE INCH W	SIZE INCH H	AREA SQ FT	SIGN FACES	POSTS NO, SIZE, & TYPE	THICKNESS (IN) FRAMED Y	THICKNESS (IN) FRAMED N	FONT SERIES	LEGEND/ MARGIN WIDTHS	REMARKS
H6	38	433+21	LT	R7-107M	PEOPLE MOVER	18	18	2.25	NE	1-2.5 IN PT		0.125			
H6	39	433+40	LT	R5-3AP	PATHWAY	18	6	0.75	SE	1-2.5 IN PT		0.125			
				R5-3A	NO MOTOR VEHICLES	18	24	3.00	SE			0.125			
H6	40	434+50	RT	R7-107M	PEOPLE MOVER	18	18	2.25	SW	1-2.5 IN PT		0.125			
H6	41	434+60	LT	R5-3AP	PATHWAY	18	6	0.75	SW	1-2.5 IN PT		0.125			
				R5-3A	NO MOTOR VEHICLES	18	24	3.00	SW			0.125			
H6	42	435+54	RT	W1-2L	CURVE	36	36	9.00	SW	1-2.5 IN P	0.125				
H6	43	440+05	LT	D7-2	PTARMIGAN VALLEY STATE PARK	150	30	31.25	NE	2-3 IN T	0.125				
H6	44	442+00	RT	W8-6	TRUCK CROSSING	36	36	9.00	SW	1-2.5 IN P	0.125				
H6	45	446+30	RT	W1-2R	CURVE	36	36	9.00	NE	1-2.5 IN P	0.125				
H6	46	447+27	LT	R5-3AP	PATHWAY	18	6	0.75	SE	1-2.5 IN P		0.125			
				R5-3A	NO MOTOR VEHICLES	18	24	3.00	SE			0.125			
H6	47	447+55	LT	R1-1	STOP	30	30	6.25	NW	1-2.5 IN PT		0.125			
H6	48	448+43	LT	R5-3AP	PATHWAY	18	6	0.75	SW	1-2.5 IN PT		0.125			
				R5-3A	NO MOTOR VEHICLES	18	24	3.00	SW			0.125			
H6	49	450+00	LT	RL-100	TRAILHEAD (SYMBOL)	24	24	8.00	NE	1-2.5 IN P		0.125			
				D9-308	1500 FEET	24	6	2.00	NE			0.125			
H6	50	451+00	LT	W8-6	TRUCK CROSSING	36	36	9.00	NE	1-2.5 IN P	0.125				
H6	51	452+62	LT	R3-7R	RIGHT LANE MUST TURN RIGHT	36	36	9.00	NE	1-2.5 IN P	0.125				
H6	52	455+08	RT	W1-4L	REVERSE CURVE	36	36	9.00	SW	1-2.5 IN P	0.125				
H6	53	455+20	LT	R7-107M	PEOPLE MOVER	18	18	2.25	NE	1-2.5 IN PT		0.125			
H6	54	455+43	LT	R5-3AP	PATHWAY	18	6	0.75	SE	1-2.5 IN PT		0.125			
				R5-3A	NO MOTOR VEHICLES	18	24	3.00	SE			0.125			
H6	55	455+75	LT	R1-1	STOP	30	30	6.25	NW	1-2.5 IN PT		0.125			
H6	56	456+34	RT	R1-1	STOP	30	30	6.25	SE	1-2.5 IN PT		0.125			
				D3-1D	OLD GLENN HWY 19300	38	8	4.22	NW/SE			0.125			INSTALL TWO SIGNS BACK TO BACK
				D3-1D	SKYVIEW AVE 23000	45	12	7.50	NE/SW		0.125		C		INSTALL TWO SIGNS BACK TO BACK
H6	57	456+59	LT	R5-3AP	PATHWAY	18	6	0.75	SW	1-2.5 IN PT		0.125			
				R5-3A	NO MOTOR VEHICLES	18	24	3.00	SW			0.125			
SIGN AREA THIS SHEET 154.97															

DESIGNED BY BDM
CHECKED BY DST
DRAFTED BY MKG
DATE DRAFTED: 07/31/09
LAYOUT: H13
PLOT SCALE: 1:1
2008ML\signsum.dwg
COMPUTER DESIGNATION
SCALE: NTS
SPECIFICATIONS

STATE OF ALASKA
REGISTERED PROFESSIONAL ENGINEER
REBECCA CAMPBELL
CE 10464
49TH

PLANS DEVELOPED BY
CRW ENGINEERING GROUP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

AMATS: OLD GLENN HIGHWAY
S. BIRCHWOOD LOOP TO
PETERS CREEK

SIGN SUMMARY

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	STP-0558(X)/50946	2009	H14	H38

SIGN SUMMARY

SHEET NO	POST NO	STA	REF CL	TYPE	LEGEND	SIZE INCH W	SIZE INCH H	AREA SQ FT	SIGN FACES	POSTS NO, SIZE, & TYPE	THICKNESS (IN) FRAMED Y	THICKNESS (IN) FRAMED N	FONT SERIES	LEGEND/ MARGIN WIDTHS	REMARKS
H6	58	456+87	RT	R7-107M	PEOPLE MOVER	18	18	2.25	SW	1-2.5 IN PT		0.125			
H7	59	459+90	RT	S1-1	SCHOOL ADVANCE WARNING	36	36	9.00	SW	1-2.5 IN P	0.125				
				W16-9P	AHEAD	36	18	4.50	SW		0.125				
H7	60	461+50	RT	S6-2M	DRUG FREE SCHOOL ZONE	30	24	5.00	SW	1-2.5 IN P		0.125			
				R2-1	SPEED LIMIT 45	30	36	7.50	SW			0.125			
H7	61	463+21	RT	R1-1	STOP	30	30	6.25	E	1-2.5 IN PT		0.125			
				D3-1D	OLD GLENN HWY 19500	38	8	4.22	E/W			0.125			INSTALL TWO SIGNS BACK TO BACK
				D3-1D	SHERMAN ST 22600	43	12	7.17	N/S		0.125		C		INSTALL TWO SIGNS BACK TO BACK
H7	62	463+31	LT	R2-1	SPEED LIMIT 45	30	36	7.50	N	1-2.5 IN P		0.125			
				S5-2B	END SCHOOL ZONE	24	18	3.00	N			0.125			
H7	63	463+46	RT	S5-1	SCHOOL SPEED LIMIT 20 / FLASH	36	72	18.00	S	ST	0.125				FLASHING BEACON
H7	64	465+36	RT	D3-2	N BIRCHWOOD LOOP RD	186	24	31.00	S	2- W6 X 6	0.125				
				M4-5	TO	15	30	3.13	S			0.125			
				M1-5	HIGHWAY 1	36	36	9.00	S		0.125				
				M4-7	GLENN HWY	15	30	3.13	S			0.125			
H7	65	466+72	RT	R3-8L/S	LANE DESIGNATION	30	30	6.25	S	1-2.5 IN PT		0.125			
H7	66	467+26	RT	D4-100	PARK & RIDE	24	24	4.00	S			0.125			MOUNT ON LIGHT POLE
H7	67	467+78	LT	R5-3AP	PATHWAY	18	6	0.75	NE	1-2.5 IN PT		0.125			
				R5-3A	NO MOTOR VEHICLES	18	24	3.00	NE			0.125			
H7	68	468+02	RT	R1-1	STOP	18	18	2.25	S	1-2.5 IN PT		0.125			
H7	69	468+22	RT	W1-7	TWO WAY ARROW	48	24	8.00	W	2-3 IN T	0.125				
H7	70	468+20	LT	R1-1	STOP	36	36	9.00	W	1-2.5 IN P		0.125			
				D3-1D	OLD GLENN HWY 19900	38	12	3.17	E/W		0.125		C		INSTALL TWO SIGNS BACK TO BACK
				D3-1D	BIRCHWOOD LOOP RD 22400 N	72	12	12.00	N/S		0.125		B	58.20/2.00	INSTALL TWO SIGNS BACK TO BACK
H7	71	468+28	RT	R14-1A	TRUCK ROUTE	30	42	8.75	W			0.125			MOUNT ON LIGHT POLE
H7	72	468+93	RT	W11-2	PEDESTRIAN CROSSING (SYMBOL)	36	36	9.00	S	1-2.5 IN P	0.125				
				W16-7P	DIAGONAL ARROW	24	12	2.00	S			0.125			
H7	73	468+96	LT	R1-1	STOP	18	18	2.25	W	1-2.5 IN PT		0.125			
H7	74	469+10	LT	R5-3AP	PATHWAY	18	6	0.75	SE	1-2.5 IN PT		0.125			
				R5-3A	NO MOTOR VEHICLES	18	24	3.00	SE			0.125			
H7	75	469+19	LT	W11-2	PEDESTRIAN CROSSING (SYMBOL)	36	36	9.00	N	1-2.5 IN P	0.125				
				W16-7P	DIAGONAL ARROW	24	12	2.00	N			0.125			
SIGN AREA THIS SHEET 205.81															

DESIGNED BY BDM
CHECKED BY DST
DRAFTED BY MKG
DATE DRAFTED: 07/31/09
LAYOUT: H14
PLOT SCALE: 1:1
2008ML signsum.dwg
SPECIFICATIONS
SCALE: NTS
COMPUTER DESIGNATION

STATE OF ALASKA
REBECCA CAMPBELL
CE 10464
REGISTERED PROFESSIONAL ENGINEER
49TH

PLANS DEVELOPED BY
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AMATS: OLD GLENN HIGHWAY
S. BIRCHWOOD LOOP TO
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SIGN SUMMARY

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION					
			ALASKA	STP-0558(X)/50946	2009	H15	H38

SIGN SUMMARY

SHEET NO	POST NO	STA	REF CL	TYPE	LEGEND	SIZE INCH W	SIZE INCH H	AREA SQ FT	SIGN FACES	POSTS NO, SIZE, & TYPE	THICKNESS (IN) FRAMED Y	THICKNESS (IN) N	FONT SERIES	LEGEND/ MARGIN WIDTHS	REMARKS
H7	76	469+28	LT	R7-107M	PEOPLE MOVER	18	18	2.25	N	1-2.5 IN PT		0.125			
H7	77	469+73	RT	S6-1	DRUG FREE SCHOOL ZONE	18	24	3.00	E	1-2.5 IN PT		0.125			
				M6-4	TWO WAY ARROW	21	15	2.19	E			0.125			
H7	78	469+82	RT	R1-1	STOP	30	30	6.25	E	1-2.5 IN PT		0.125			
				D3-1D	OLD GLENN HWY 19700	38	8	4.22	E/W			0.125			INSTALL TWO SIGNS BACK TO BACK
				D3-1D	NEEDELS LOOP RD 22500	61	12	10.17	N/S		0.125				INSTALL TWO SIGNS BACK TO BACK
H7	79	469+94	RT	R1-1	STOP	18	18	2.25	N	1-2.5 IN PT		0.125			
H7	80	470+14	RT	R5-3AP	PATHWAY	18	6	0.75	S			0.125			MOUNT ON LIGHT POLE
				R5-3A	NO MOTOR VEHICLES	18	24	3.00	S			0.125			
H7	81	470+46	RT	R7-107M	PEOPLE MOVER	18	18	2.25	S	1-2.5 IN PT		0.125			
H7	82	471+00	LT	R3-7R	RIGHT LANE MUST TURN RIGHT	36	36	9.00	NE	1-2.5 IN P	0.125				
H7	83	472+08	LT	D3-2	N BIRCHWOOD LOOP RD	186	24	31.00	NE	2- W6 X 6	0.125				
				M4-5	TO	15	30	3.13	NE						
				M1-5	HIGHWAY 1	36	36	9.00	NE						
				M4-7	GLENN HWY	15	30	3.13	NE						
H7	84	475+74	RT	R5-3AP	PATHWAY	18	6	0.75	NE	1-2.5 IN PT		0.125			
				R5-3A	NO MOTOR VEHICLES	18	24	3.00	NE			0.125			
H7	85	476+40	RT	R1-1	STOP	30	30	6.25	SE	1-2.5 IN PT		0.125			
				D3-1	OLD GLENN HWY 19800	38	8	4.22	SE/NW			0.125			INSTALL TWO SIGNS BACK TO BACK
				D3-1D	NEEDELS LOOP RD 22900	52	12	8.67	SW/NE		0.125				INSTALL TWO SIGNS BACK TO BACK
H7	86	476+46	RT	S6-1	DRUG FREE SCHOOL ZONE	18	24	3.00	SE	1-2.5 IN PT		0.125			
				M6-4	TWO WAY ARROW	21	15	2.19	SE			0.125			
H7	87	476+59	RT	R5-3AP	PATHWAY	18	6	0.75	SW	1-2.5 IN PT		0.125			
				R5-3A	NO MOTOR VEHICLES	18	24	3.00	SW			0.125			
H7	88	477+38	RT	SPECIAL	CHUGIAK ELEMENTARY SCHOOL	30	30	6.25	SW	1-2.5 IN PT		0.125			
H7	89	477+89	LT	W1-2L	CURVE	36	36	9.00	NE	1-2.5 IN P	0.125				MOUNT ON LIGHT POLE
H7	90	478+56	RT	R5-3AP	PATHWAY	18	6	0.75	NE	1-2.5 IN PT		0.125			
				R5-3A	NO MOTOR VEHICLES	18	24	3.00	NE			0.125			
H7	91	479+42	RT	S6-1	DRUG FREE SCHOOL ZONE	18	24	3.00	E	1-2.5 IN PT		0.125			
				M6-4	TWO WAY ARROW	21	15	2.19	E			0.125			
H7	92	479+26	RT	R1-1	STOP	30	30	6.25	SE	1-2.5 IN PT		0.125			
				D3-1D	OLD GLENN HWY 19900	38	8	4.22	SE/NW			0.125			INSTALL TWO SIGNS BACK TO BACK
				D3-1	LACE RD	30	12	5.00	SW/NE			0.125			INSTALL TWO SIGNS BACK TO BACK
H7	93	479+50	RT	R5-3AP	PATHWAY	18	6	0.75	SW	1-2.5 IN PT		0.125			
				R5-3A	NO MOTOR VEHICLES	18	24	3.00	SW			0.125			
H7	94	479+70	RT	W7-5	HILL (BICYCLE)	18	18	2.25	SW	1-2.5 IN PT		0.125			
SIGN AREA THIS SHEET 169.06															

DESIGNED BY BDM
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DRAFTED BY MKG
DATE DRAFTED: 07/31/09
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PLOT SCALE: 1:1
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SCALE: NTS
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S. BIRCHWOOD LOOP TO
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SIGN SUMMARY

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	STP-0558(X)/50946	2009	H16	H38

SIGN SUMMARY

SHEET NO	POST NO	STA	REF CL	TYPE	LEGEND	SIZE INCH W	SIZE INCH H	AREA SQ FT	SIGN FACES	POSTS NO, SIZE, & TYPE	THICKNESS (IN) FRAMED Y	THICKNESS (IN) FRAMED N	FONT SERIES	LEGEND/ MARGIN WIDTHS	REMARKS
H7	95	480+37	RT	R2-1	SPEED LIMIT 25	24	30	5.00	SW	1-2.5 IN PT		0.125			
H7	96	480+77	LT	S5-1	SCHOOL SPEED LIMIT 20 / FLASH	36	72	18.00	NE	ST	0.125				FLASHING BEACON
H7	97	481+02	RT	R2-1	SPEED LIMIT 45	30	36	7.50	SW	1-2.5 IN P		0.125			
			RT	S5-2B	END SCHOOL ZONE	24	18	3.00	SW			0.125			
H7	98	481+12	RT	R1-1	STOP	30	30	6.25	SE	1-2.5 IN PT		0.125			INSTALL TWO SIGNS BACK TO BACK
				D3-1	LACE RD	30	8	3.33	SE/NW			0.125			INSTALL TWO SIGNS BACK TO BACK
				D3-1	HUNTERS DR	43	8	4.78	SW/NE			0.125			
H7	99	482+80	LT	S6-2M	DRUG FREE SCHOOL ZONE	30	24	5.00	NE	1-2.5 IN P		0.125			
				R2-1	SPEED LIMIT 45	30	36	7.50	NE			0.125			
H8	100	484+30	LT	S1-1	SCHOOL ADVANCE WARNING	36	36	9.00	NE	1-2.5 IN P	0.125				
				W16-9P	AHEAD	36	18	4.50	NE		0.125				
H8	101	491+48	RT	I-3	PETERS CREEK	54	36	13.50	SW	1-2.5 IN P	0.125				
H8	102	493+38	LT	I-3	PETERS CREEK	54	36	13.50	NE	1-2.5 IN P	0.125				
H8	103	494+16	LT	R7-107M	PEOPLE MOVER	18	18	2.25	NE	1-2.5 IN PT		0.125			INSTALL BEHIND GUARD RAIL
H8	104	498+66	RT	R5-3AP	PATHWAY	18	6	0.75	NE	1-2.5 IN PT		0.125			
				R5-3A	NO MOTOR VEHICLES	18	24	3.00	NE			0.125			
H8	105	498+90	RT	W14-2PR	NO OUTLET RIGHT	36	12	3.00	SW	1-2.5 IN PT	0.125				
				W14-2PL	NO OUTLET LEFT	36	12	3.00	NE		0.125				
H8	106	499+29	RT	R1-1	STOP	30	30	6.25	SE	1-2.5 IN PT		0.125			
				D3-1D	OLD GLENN HWY 20500	38	8	4.22	SE/NW			0.125			INSTALL TWO SIGNS BACK TO BACK
				D3-1D	GINA CIRCLE 22900	37	12	6.17	SW/NE		1.25		C		INSTALL TWO SIGNS BACK TO BACK
H8	107	499+45	RT	R5-3AP	PATHWAY	18	6	0.75	SW	1-2.5 IN PT		0.125			
				R5-3A	NO MOTOR VEHICLES	18	24	3.00	SW			0.125			
H8	108	499+87	RT	R7-107M	PEOPLE MOVER	18	18	2.25	SW	1-2.5 IN PT		0.125			
H9	109	512+60	RT	R7-107M	PEOPLE MOVER	18	18	2.25	SW	1-2.5 IN PT		0.125			
H9	110	512+92	RT	R5-3AP	PATHWAY	18	6	0.75	NE	1-2.5 IN PT		0.125			
				R5-3A	NO MOTOR VEHICLES	18	24	3.00	NE			0.125			
H9	111	513+78	RT	R1-1	STOP	30	30	6.25	SE	1-2.5 IN PT		0.125			
				D3-1	OLD GLENN HWY	38	8	4.22	SE/NW			0.125			INSTALL TWO SIGNS BACK TO BACK
				D3-1D	CHAPEL DR	39	12	6.50	SW/NE		0.125				INSTALL TWO SIGNS BACK TO BACK
SIGN AREA THIS SHEET 158.47															

DESIGNED BY BDM
CHECKED BY DST
DRAFTED BY MKG
DATE DRAFTED: 07/31/09
LAYOUT: H16
PLOT SCALE: 1:1
2008ALSignsum.dwg
COMPUTER DESIGNATION
SCALE: NTS
SPECIFICATIONS

STATE OF ALASKA
49TH
REBECCA CAMPBELL
CE 10464
REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY
CRW ENGINEERING GROUP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

AMATS: OLD GLENN HIGHWAY
S. BIRCHWOOD LOOP TO
PETERS CREEK

SIGN SUMMARY

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	STP-0558(X)/50946	2009	H17	H38

SIGN SUMMARY

SHEET NO	POST NO	STA	REF CL	TYPE	LEGEND	SIZE INCH W	SIZE INCH H	AREA SQ FT	SIGN FACES	POSTS NO, SIZE, & TYPE	THICKNESS (IN) FRAMED Y	THICKNESS (IN) FRAMED N	FONT SERIES	LEGEND/ MARGIN WIDTHS	REMARKS
H9	112	514+19	RT	R5-3AP	PATHWAY	18	6	0.75	SW	1-2.5 IN PT		0.125			
				R5-3A	NO MOTOR VEHICLES	18	24	3.00	SW			0.125			
H9	113	514+19	LT	R7-107M	PEOPLE MOVER	18	18	2.25	NE	1-2.5 IN PT		0.125			
H9	114	523+03	RT	D3-2	OLD GLENN HWY	126	24	21.00	W	2-3.5 IN P	0.125				
				M4-5	TO	15	30	3.13	W			0.125			
				M1-5	HIGHWAY 1	36	36	9.00	W		0.125				
				M4-7	GLENN HWY	15	30	3.13	W			0.125			
H9	115	524+50	LT	R2-1	SPEED LIMIT 45 MPH	30	36	7.50	E	1-2.5 IN P		0.125			
H9	116	524+80	RT	R3-7L	LEFT LANE MUST TURN LEFT	36	36	9.00	W	1-2.5 IN P		0.125			
H9	117	526+19	LT	R7-107M	PEOPLE MOVER	18	18	2.25	NE	1-2.5 IN PT		0.125			
H9	118	526+69	RT	R7-107M	PEOPLE MOVER	18	18	2.25	SW	1-2.5 IN PT		0.125			
H9	119	526+65	RT	R5-3AP	PATHWAY	18	6	0.75	NE	1-2.5 IN PT		0.125			MOUNT ON LIGHT POLE
				R5-3A	NO MOTOR VEHICLES	18	24	3.00	NE			0.125			
H9	120	526+97	RT	R1-1	STOP	36	36	9.00	SW	1-2.5 IN P	0.125				
				D3-1D	OLD GLENN HWY 20900	38	12	3.17	SW/NE		0.125		C		INSTALL TWO SIGNS BACK TO BACK
				D3-1D	SKI RD 23600	23	12	3.83	SE/NW		0.125		C		INSTALL TWO SIGNS BACK TO BACK
H9	121	528+09	LT	R1-1	STOP	30	30	6.25	NE	1-2.5 IN PT		0.125			
				D3-1D	EASTSIDE DR 20900	34	12	2.83	SW/NE		0.125				INSTALL TWO SIGNS BACK TO BACK
				D3-1D	SKI RD 23600	23	12	3.83	SE/NW		0.125				INSTALL TWO SIGNS BACK TO BACK
H9	122	529+50	LT	M1-5	HIGHWAY 1	36	36	9.00	NE	1-2.5 IN P	0.125				
				M6-1	RIGHT ARROW	21	15	2.19	NE			0.125			
SIGN AREA THIS SHEET 107.10															

DESIGNED BY BDM
CHECKED BY DST
DRAFTED BY MKG
DATE DRAFTED: 07/31/09
LAYOUT: H17
PLOT SCALE: 1:1
2008RALsignsum.dwg
SPECIFICATIONS
SCALE: NTS
COMPUTER DESIGNATION

PLANS DEVELOPED BY
CRW ENGINEERING GROUP

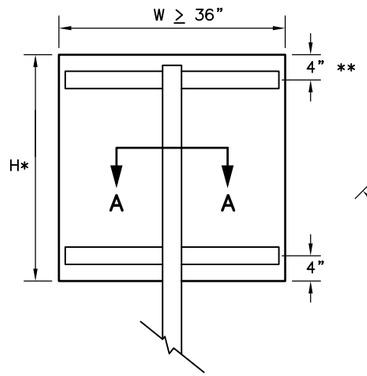
STATE OF ALASKA
REBECCA CAMPBELL
CE 10464
REGISTERED PROFESSIONAL ENGINEER
49TH

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

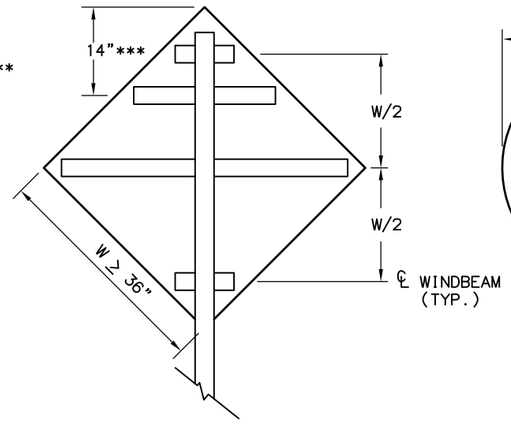
AMATS: OLD GLENN HIGHWAY
S. BIRCHWOOD LOOP TO
PETERS CREEK

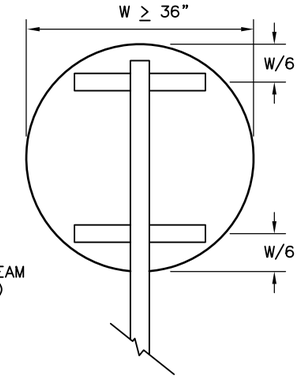
SIGN SUMMARY

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	STP-0558(X)/59406	2009	H18	H38

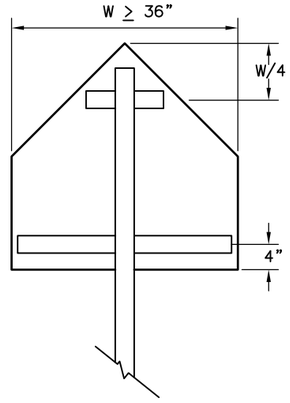


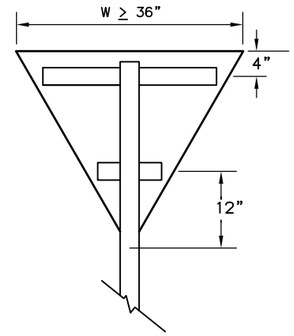
RECTANGLES AND TRAPEZOIDS





ROUNDS AND OCTAGONS





* WHEN H > 42 INCHES, INSTALL A 3RD WINDBEAM CENTERED ON THE SIGN.

** FOR S5-1 SIGNS MOUNTED ON FLASHING BEACON POSTS, USE A 10" OFFSET. OTHERWISE, USE 4".

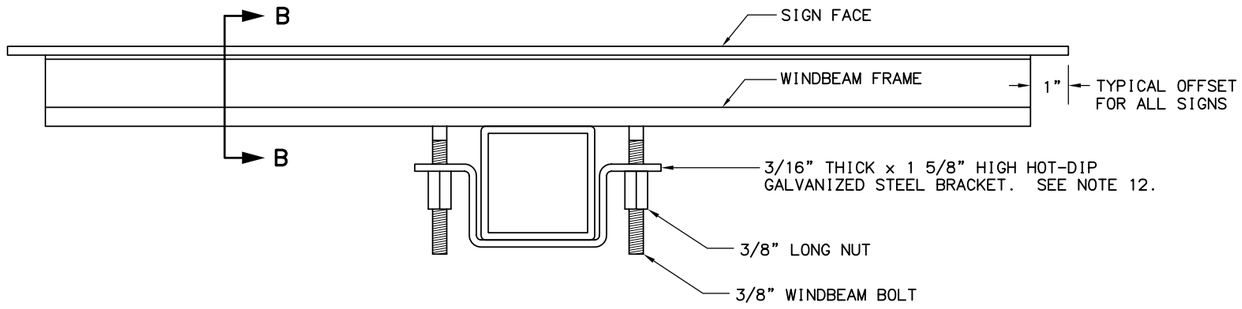
*** FOR WARNING SIGNS MOUNTED ON FLASHING BEACON POSTS, USE THE 14" OFFSET. OTHERWISE, USE W/2.

NOTES:

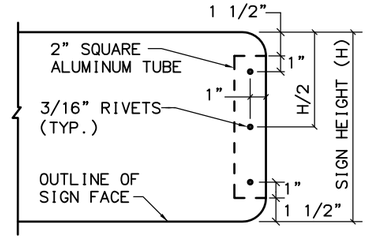
1. EXCEPT FOR POLES AND MAST ARMS, ONLY USE SQUARE STEEL TUBES TO SUPPORT SIGNS MOUNTED ON SINGLE POSTS.
2. INSTALL WINDBEAM SHAPED FRAMING MEMBERS ON DIAMOND SHAPED SIGNS 36 INCHES AND LONGER ON A SIDE AND ON OTHER SIGNS 36 INCHES WIDE AND WIDER.
3. IN HIGH WIND AREAS, THE PLANS MAY REQUIRE SIGNS SMALLER THAN THOSE LISTED IN NOTE 2 BE FRAMED AS SHOWN HEREON.
4. THE ENGINEER MAY APPROVE OTHER FRAMING MEMBERS. SUBMIT DOCUMENTS THAT DETAIL THE FRAME'S CROSS SECTION AND STRENGTH, AND METHOD OF ATTACHING THE FRAME TO A POST.
5. USE FRAMING MEMBERS MADE FROM ALUMINUM ALLOY 6061-T6.
6. EACH FRAMING MEMBER SHALL BE ONE CONTINUOUS PIECE.
7. ATTACH FRAMING MEMBERS TO THE SIGN PANELS WITH RIVETS OR AN ENGINEER APPROVED, DOUBLE SIDED, HIGH STRENGTH, ADHESIVE TAPE.
8. WITH THE ADHESIVE TAPE, INSTALL TWO RIVETS IN BOTH ENDS OF EACH FRAMING MEMBER, AND ATTACH THE FRAMING MEMBERS TO THE SIGN PANELS ACCORDING TO THE TAPE MANUFACTURER'S WRITTEN INSTRUCTIONS, INCLUDING:
   A. THE CLEANING AND HANDLING OF THE SIGN PANELS AND FRAMING MEMBERS.
   B. THE APPLICATION OF THE ADHESIVE TAPE.
9. WHEN RIVETS ARE USED TO ATTACH FRAMING MEMBERS, INSTALL 2 RIVETS IN EACH END AND THE BALANCE ON 8" MAXIMUM CENTERS.
10. USE 3/16" DIAMETER RIVETS CONFORMING TO ALUMINUM ALLOY 6061-T6 FOR COLD DRIVEN RIVETS, OR ALUMINUM ALLOY 6061-T43 FOR HOT DRIVEN RIVETS.
11. THE BRACKETS USED ON EVEN INCH SIZE TUBES MAY ALSO BE USED ON TUBES 1/2" SMALLER IN SIZE.

WINDBEAM LOCATIONS FOR EACH SIGN SHAPE

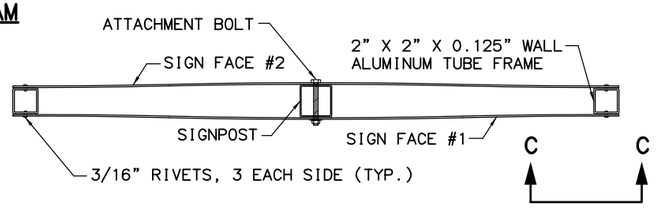
ELEVATION VIEW



SECTION A - A TYPICAL SIGN ATTACHMENT DETAILS AT EACH WINDBEAM



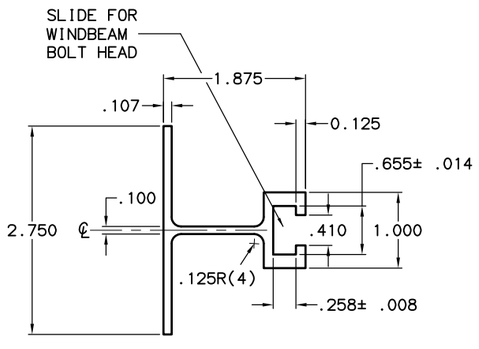
VIEW C - C



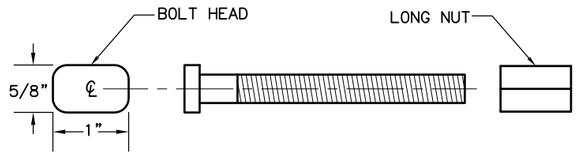
D3-1*, D3-1A, D3-1D* STREET NAME SIGN FRAMING DETAIL

*THOSE WITH 6-INCH LETTERING ONLY

PLAN VIEW



SECTION B - B WINDBEAM CROSS SECTION



3/8" WINDBEAM BOLT AND LONG NUT

PLANS DEVELOPED BY
CRW ENGINEERING GROUP

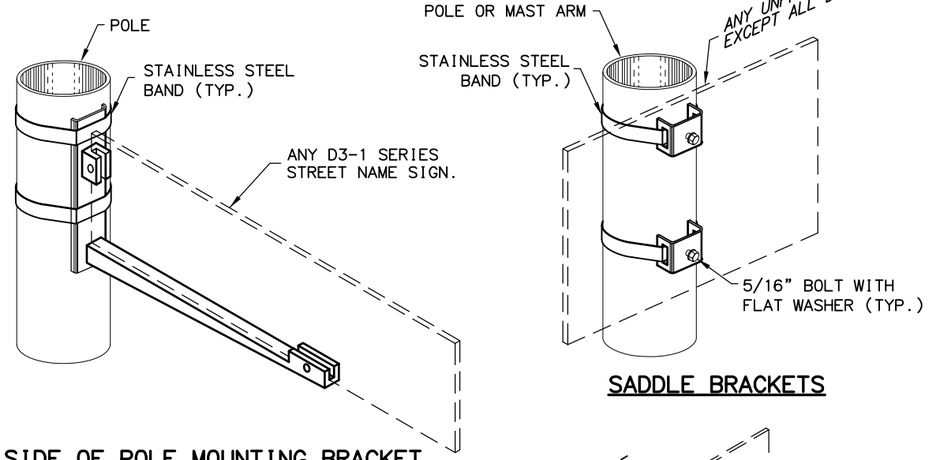
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

AMATS: OLD GLENN HIGHWAY S. BIRCHWOOD LOOP TO PETERS CREEK

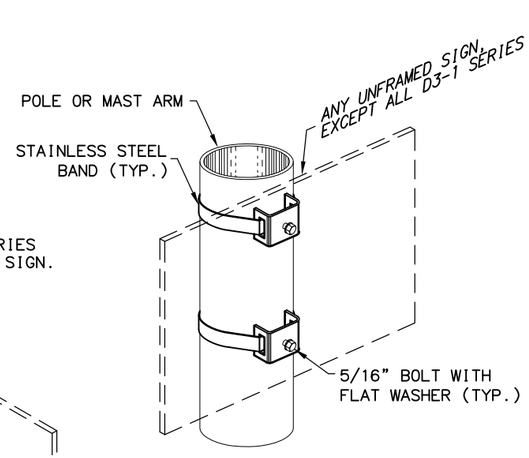
LIGHT SIGN FRAMING AND ATTACHMENT DETAILS

DESIGNED BY: CMW/GSB
CHECKED BY: CMW/GSB
DRAFTED BY: MEF
DATE DRAFTED: 07/31/09
LAYOUT: LIGHT SIGN FRAME
PLOT SCALE: 1:250
H:\SIGN ATTACHMENT DETAILS.dwg
SPECIFICATIONS
SCALE: N/A
COMPUTER DESIGNATION

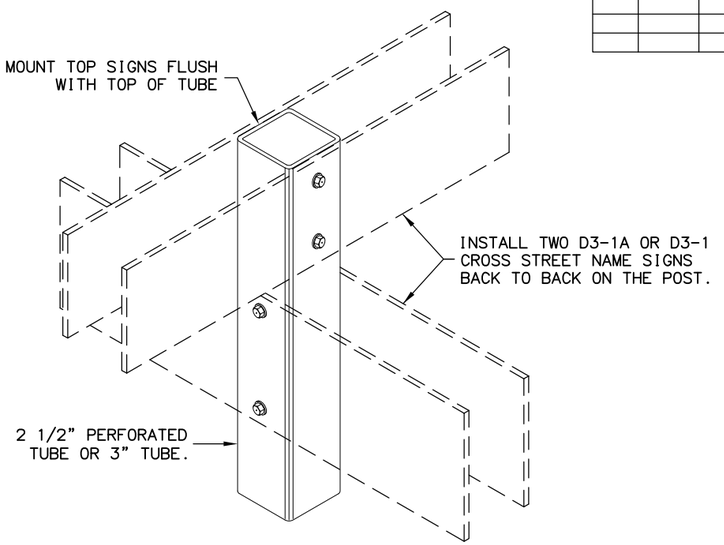
REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	STP-0558(X)/59406	2009	H19	H38
1	07/14/08	CENTRAL REGION DETAIL - REPLACES STD. DWG. S-20.10					



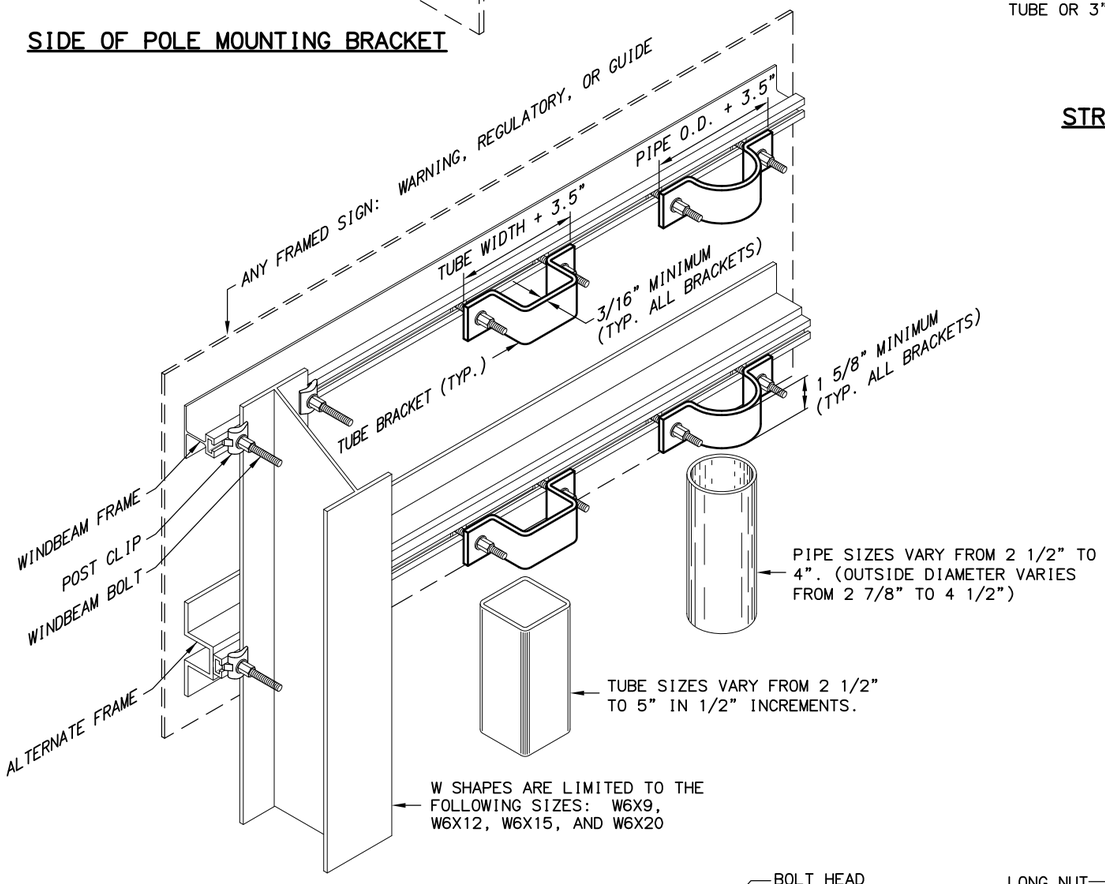
SIDE OF POLE MOUNTING BRACKET



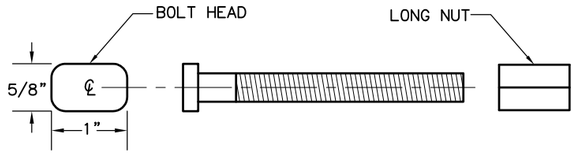
SADDLE BRACKETS



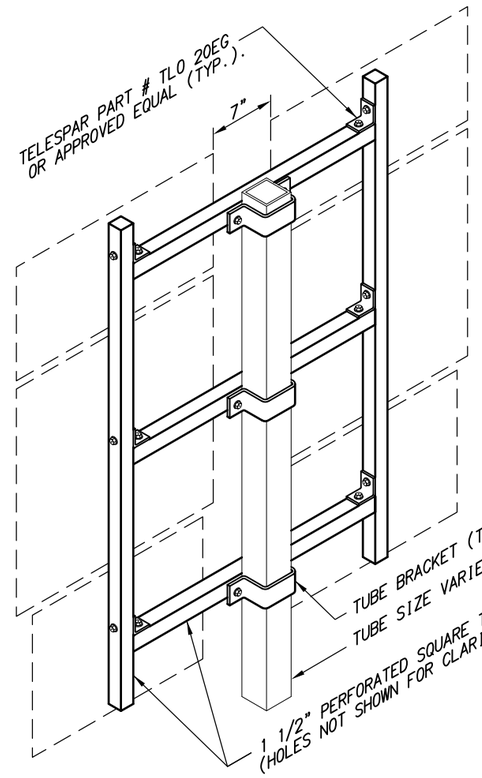
STREET NAME SIGN INSTALLATION



FRAMED SIGN ATTACHMENT BRACKETS



3/8" WINDBEAM BOLT AND LONG NUT



ROUTE MARKER TREE

NOTES:

1. EXCEPT FOR POLES AND MAST ARMS, ONLY USE TUBES TO SUPPORT SIGNS MOUNTED ON ONE POST.
2. ATTACH SIGNS, FRAMED AND UNFRAMED TO THEIR SUPPORTS WITH ZINC PLATED 3/8" BOLTS, EXCEPT ATTACH UNFRAMED SIGNS TO PERFORATED TUBES WITH ACCESSORY DRIVE RIVETS AND TO SADDLES WITH 5/16" BOLTS.
3. BOLT UNFRAMED SIGNS DIRECTLY TO TUBES, AND ATTACH THEM TO POLES AND MAST ARMS WITH TWO SADDLES.
4. ATTACH BRACKETS TO POLES AND MAST ARMS WITH DOUBLE WRAPS OF 3/4" WIDE BY 0.020" THICK STAINLESS STEEL BANDING MATERIAL. TIGHTEN EACH BAND UNTIL IT STOPS MOVING THROUGH THE BUCKLE.
5. ATTACH FRAMED SIGNS TO POSTS WHEREVER THE FRAMES CROSS THE POSTS. AT EACH CROSSING, ATTACH THE SIGN USING TWO POST CLIPS ON W-SHAPE POSTS, A U-SHAPED BRACKET ON PIPES, AND A BRACKET WITH SQUARE CORNERS ON TUBES.
6. THE TUBE BRACKETS USED ON EVEN INCH SIZE TUBES MAY ALSO BE USED ON TUBES 1/2" SMALLER IN SIZE.
7. ONLY USE THE SPECIAL WINDBEAM BOLTS TO ATTACH SIGNS FRAMED WITH THE WINDBEAM FRAMING MATERIAL.
8. ATTACH FRAMED SIGNS TO POLES AND MAST ARMS USING POLE PLATES INSTALLED ACCORDING TO STANDARD DRAWING S-23.00
9. FOR ROUTE MARKER TREES, CUT PERFORATED TUBES TO ENSURE TIGHT FITTING JOINTS. ASSEMBLE THE PIECES WITH ACCESSORY ELL-SHAPED ANGLE BRACKETS.
10. INSTALL THE TOP EDGE OF SIGNS 1" ABOVE THE TOPS OF POSTS, EXCEPT FOR THE D3-1 STREET NAME SIGNS.
11. INSTALL THE TOP EDGE OF SIGNS 3" BELOW THE TOP OF POST, WHENEVER THEY ARE MOUNTED BELOW SIGNS SECURED BY POST TOP MOUNTING BRACKETS.
12. THE BRACKET DETAILS SHOWN INDICATE GENERAL DESIGNS ONLY. DESIGNS MAY VARY BY MANUFACTURER.
13. INSTALL WEATHER TIGHT CAPS ON ALL PIPE AND TUBE POSTS, EXCEPT PERFORATED TUBING.

FASTENER SPECIFICATION TABLE			
FASTENERS		STEEL	STAINLESS STEEL
BOLTS		ASTM A 307	ASTM F 593
NUTS	REGULAR	ASTM A 563	ASTM F 594
	LOCK		
WASHERS		ASTM A 36	ASTM A 480
POST CLIPS			

DESIGNED BY: CMW/GSB
CHECKED BY: CMW/GSB
DRAFTED BY: MEP
DATE DRAFTED: 07/31/09
LAYOUT: SIGN ATTACHMENT
PLOT SCALE: 1:250
SIGN ATTACHMENT DETAILS.dwg
SPECIFICATIONS
SCALE: N/A
COMPUTER DESIGNATION

STATE OF ALASKA
49TH
REBECCA CAMPBELL
CE 10464
REGISTERED PROFESSIONAL ENGINEER

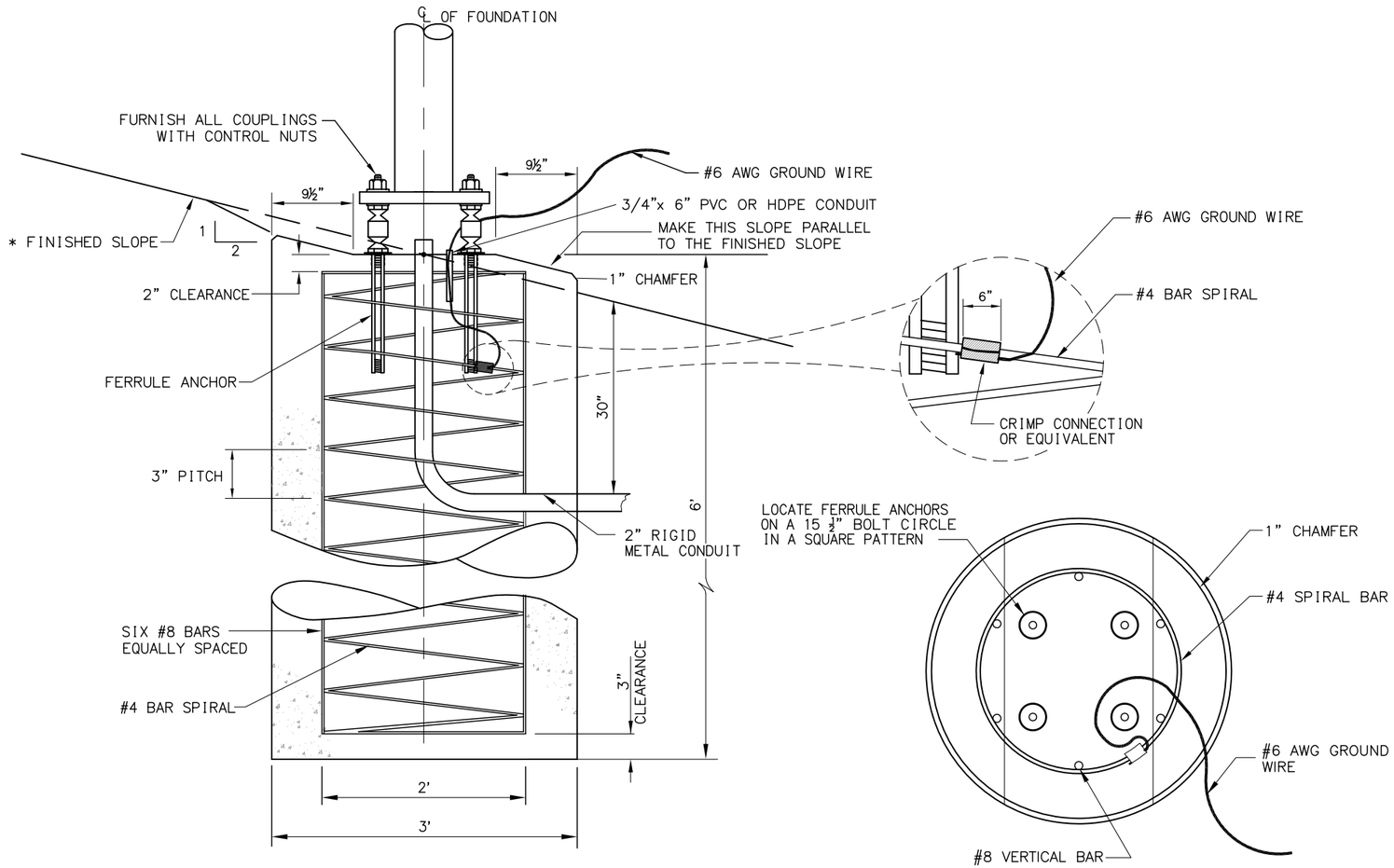
PLANS DEVELOPED BY
CRW ENGINEERING GROUP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

AMATS: OLD GLENN HIGHWAY S. BIRCHWOOD LOOP TO PETERS CREEK

SIGN ATTACHMENT DETAILS

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	STP-0558(X)/50946	2009	H20	H38



PORTLAND CEMENT CONCRETE FOUNDATION
WITH FERRULE ANCHORS

* TOP OF TOPSOIL, WHEN THE TYPICAL SECTION INCLUDES TOPSOIL

CIDH CONCRETE FOUNDATION
PLAN VIEW

PORTLAND CEMENT CONCRETE FOUNDATION NOTES:

1. CAST ALL PORTLAND CEMENT CONCRETE FOUNDATIONS IN DRILLED HOLES AT THE LOCATIONS INDICATED IN THE PLANS.
2. COMPLETE ALL CONCRETE WORK IN CONFORMANCE WITH SECTIONS 501, 503, AND 660 OF THE STATE OF ALASKA STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.
3. INSTALL TYPE B FEMALE ANCHORS THAT ARE MANUFACTURED BY TRANSPO INDUSTRIES, INC AND COMPATIBLE WITH TRANSPO'S MODEL 5100 BREAKAWAY SUPPORT COUPLINGS OR APPROVED EQUAL SYSTEM. INSTALL ALL ANCHORS ACCORDING TO THE MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS.
4. USE FINISHED SLOPES AND A STRAIGHT EDGE TO DETERMINE THE TOP OF CONCRETE FOUNDATION. USE BLOCKS, IF NECESSARY TO ALLOW FOR TOPSOIL THICKNESS.
5. THE TOP SURFACE OF THESE FOUNDATIONS MAY VARY A MAXIMUM OF 4 INCHES BELOW TO 0 INCH ABOVE THE INTERSECTION OF THE FINISHED SLOPE AND THE CENTERLINE OF THE FOUNDATION.
6. CHAMFER ALL EXPOSED CONCRETE EDGES 1 INCH.
7. FURNISH ALL SPIRAL REBAR CAGES WITH 1-1/2 TURNS OF REBAR AT TOP AND BOTTOM OF SPIRAL.
8. BACKFILL AND COMPACT THE TOP 4 FEET SPACE AROUND FORMS IN 8 INCH LIFTS WITH A CEMENT-SOIL MIXTURE, CONSISTING OF 5 SACKS OF PORTLAND CEMENT PER CUBIC YARD OF SOIL.
9. TERMINATE THE 2 INCH CONDUIT 1 INCH ABOVE THE TOP OF FOUNDATION.
10. NO SPECIAL GRADING AROUND THE FOUNDATION IS REQUIRED, FOR SLOPES 4:1 AND FLATTER. FOR SLOPES BETWEEN 3:1 AND 4:1, DEPRESS THE TOP OF FOUNDATION 2 INCHES.

FOUNDATION NOTES:

DESIGN: AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORT FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS, 4th EDITION, WITH 2002 & 2003 INTERIMS.

CONSTRUCTION: STATE OF ALASKA STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, 2004 ENGLISH EDITION WITH SPECIAL PROVISIONS.

WIND LOAD: 100 MPH

LIGHT SUPPORT DETAIL: FOUNDATION DESIGN BASED ON A MAXIMUM OF A 22 FOOT MAST ARM AND A 55 FOOT MOUNTING HEIGHT.

MATERIAL PROPERTIES		
CONCRETE	CLASS A	F'c=4000 psi
REINFORCING STEEL	ASTM A615M	Fy=60 ksi

GROUNDING NOTES:

1. USE #6 AWG GROUND CONNECTOR TO #4 SPIRAL REBAR WITH IRREVERSIBLE CONNECTION 12 INCHES BELOW TOP OF FOUNDATION.
2. PROTECT GROUND WIRE WITH 3/4 INCH PVC OR HDPE CONDUIT TO 6 INCHES BELOW TOP OF FOUNDATION FILLED WITH SILICON SEALANT. FREE GROUND CONDUCTOR ABOVE TOP OF FOUNDATION TO 2 FEET.

STATE OF ALASKA
49TH
Colin Maynard
CE 7574
REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY
CRW ENGINEERING GROUP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

AMATS: OLD GLENN HIGHWAY
S. BIRCHWOOD LOOP TO
PETERS CREEK

CIDH CONCRETE
FOUNDATION DETAILS

SPECIFICATIONS
SCALE: NTS
PLOT SCALE: 1:1
COMPUTER DESIGNATION: 20088 H20 CIDH Concrete Foundation Details.dwg
LAYOUT: H20
DESIGNED BY
CHECKED BY
DRAFTED BY
DATE DRAFTED: 07/31/09

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	STP-0558(6)/58061	2009	H21	H38

ROADWAY LIGHTING NOTES:

ITEM 660(3), HIGHWAY LIGHTING SYSTEM COMPLETE ON OLD GLENN HIGHWAY, INCLUDES THE FOLLOWING WORK:

1. INSTALL ALL ELECTROLIERS ON NEW FOUNDATIONS WITH FRANGIBLE COUPLING BASES.

2. INSTALL THE NEW ROADWAY LIGHTING SYSTEM SHOWN IN THE PLANS. FURNISH ALL LUMINAIRES WITH THE FOLLOWING FEATURES:

   A. LIGHT DISTRIBUTION SYSTEM THAT MEETS OR EXCEEDS THE UNIFORMITY REQUIREMENTS LISTED IN THE LUMINAIRE PERFORMANCE CRITERIA,
   B. MAGNETIC REGULATOR BALLASTS RATED FOR THE VOLTAGE SHOWN IN THE ELECTROLIER SUMMARY, AND,
   C. HIGH PRESSURE SODIUM LAMPS WITH FLAT LENSES THAT FEATURE A RATED LIFE OF 24,000 HOURS AT 10 HOURS PER START.

WIRING NOTES:

1. FURNISH ALL EQUIPMENT NOTED IN THE LOAD CENTER SUMMARY, PLUS TWO 20-AMP, 2-POLE SPARE CIRCUIT BREAKERS, AND A SPACE FOR A MINIMUM OF TWO ADDITIONAL TWO-POLE CIRCUIT BREAKERS, IN EACH LOAD PANEL. SEE SUMMARIES FOR LOAD PANEL VOLTAGES, CURRENT RATINGS, SHORT CIRCUIT INTERRUPTING RATINGS, AND THE NAME OF THE SERVING UTILITY.

2. SIZE THE TYPE 2 LOAD CENTER CABINETS TO HOLD THE EQUIPMENT SHOWN IN THE WIRING DIAGRAM AND DETAILED IN EACH LOAD CENTER SUMMARY, ALLOWING SPACE FOR WIRING PER THE NATIONAL ELECTRIC CODE. INSTALLING A METER BASE AND MAIN BREAKER IN A SEPARATE ENCLOSURE IS ALLOWABLE. HOWEVER, IN THIS CASE, FURNISH A BREAKER PANEL WITH A MAIN BREAKER.

3. LABEL ALL CIRCUIT BREAKERS AS TO FUNCTION AND POSITION. LABEL THE SELECTOR SWITCH "LIGHTING" AND ITS POSITIONS "ON-OFF-AUTO".

4. THE VOLTAGE FOR THE PHOTOELECTRIC CONTROL EQUIPMENT SHALL BE 240-VOLT, DERIVED FROM THE SERVICE VOLTAGE, OR FROM A CONTROL TRANSFORMER.

5. STORE A SCHEMATIC DIAGRAM, A CIRCUIT DIRECTORY, AND A MATERIALS LIST INCLUDING THE MANUFACTURERS' NAMES AND PARTS/CATALOG NUMBERS, ALL LAMINATED IN PLASTIC, IN A METAL POCKET ATTACHED TO THE INSIDE OF THE LOAD CENTER. INSTALL THE POCKET ON THE LOAD CENTER DOOR, PROVIDING DRAIN HOLES TO PREVENT WATER ACCUMULATION.

6. USE THE TYPE 2 "ALTERNATE" LOAD CENTER, PER SERVING UTILITY REQUIREMENTS.

7. INSTALL THE PHOTOELECTRIC CONTROL UNIT ON THE LOAD CENTER AT A HEIGHT TO PREVENT BEING COVERED BY SNOW, AND WITH THE CONTROL WINDOW FACING NORTH AND/OR AWAY FROM ARTIFICIAL LIGHT SOURCES THAT WILL INTERFERE WITH NATURAL AMBIENT LIGHT CONTROL.

8. THE LENGTH AND TYPE OF SERVICE ENTRANCE CONDUIT INSTALLED BY THE CONTRACTOR VARIES BY UTILITY. REGARDLESS OF ITS LENGTH, INSTALL A PULL ROPE IN THE SERVICE CONDUIT AND A CAP ON THE BURIED END; MARK THE BURIED END WITH A 2"x6" STAKE.

9. SEE THE LOAD CENTER SUMMARIES FOR THE FOLLOWING INFORMATION:

   A. STATION AND OFFSET OF THE LOAD CENTER AND POWER SOURCE

   B. WHERE THE CONTRACTOR TERMINATES THE SERVICE ENTRANCE CONDUIT.

   C. THE TYPE OF SERVICE ENTRANCE CONDUIT (SUCH AS RIGID METAL CONDUIT)

11. ATTACH ALL CONDUITS TO THE POSTS AND POLES USING TWO HOLE RIGID METAL CONDUIT STRAPS LOCATED ON 24" MAXIMUM CENTERS.

12. ATTACH ALL GROUND CONDUCTORS TO THE POSTS AND POLES USING CABLE STAPLES LOCATED ON 12 INCH CENTERS.

13. FURNISH TWO GROUND RODS SPACED 10 TO 20 FEET APART.

14. USE A BARE #8 AWG, UNLESS OTHERWISE INDICATED, COPPER CONDUCTOR TO GROUND AND BOND THE LIGHTING SYSTEM.

15. PROVIDE 1 SPARE 2" CONDUIT WITH PULL ROPE BETWEEN NEAREST JUNCTION BOXES ON EITHER SIDE OF EVERY ROAD OR APPROACH CROSSING.

16. LABEL ALL CABLES AND CONDUCTORS IN THE POLE BASE AND J-BOX.

17. WHEN THE PLANS SHOW A CIRCUIT BRANCHING, COMPLETE THE BRANCH SPLICE IN THE JUNCTION BOX.

LUMINAIRE PERFORMANCE CRITERIA PER ANSI / IES RP-8-00 (2005)	
LUMINAIRE TYPE	COBRA HEAD
LENS TYPE	FLAT
LIGHT DISTRIBUTION	MEDIUM, FULL CUT-OFF TYPE 3
LAMP WATTS	250 WATTS
LIGHT SOURCE	HIGH PRESSURE SODIUM
ARRANGEMENT	VARIES
NUMBER OF LANES	2
LANE WIDTH	12 FEET
ROADWAY WIDTH	VARIES
MEDIAN WIDTH	VARIES
MOUNTING HEIGHT	40 FEET
SPACING	VARIES
LUMINAIRE OVERHANG	0 FEET
ANALYSIS METHOD	ILLUMINANCE
ROAD CLASSIFICATION	ISOLATED TRAFFIC AREA
UNIFORMITY RATIO (AVG./MIN.)	4.0 : 1
AVERAGE INITIAL ILLUMINANCE	0.9 FOOT-CANDLES

DESIGNED BY: WMM
CHECKED BY: WMM
DRAFTED BY: WMM
DATE DRAFTED: 07/31/09
LAYOUT: H30
PLOT SCALE: 1:2
H25-H30 Loadcenter Summaries and Notes.dwg
SPECIFICATIONS
SCALE: NA
COMPUTER DESIGNATION

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

OLD GLENN HIGHWAY
FIRE LAKE TO
SOUTH BIRCHWOOD LP

LIGHTING AND HEAT TAPE
NOTES

STATE OF ALASKA
49TH
William McDonald
EE 7879
REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY
CRW ENGINEERING GROUP

DESIGNED BY	RMM
CHECKED BY	RM
DRAFTED BY	RMM

DATE DRAFTED: 07/31/09

LAYOUT: LAYOUT H1

20068 H19-H26 Illumination and Heat Tape Phil.dwg

PLOT SCALE: 1:1

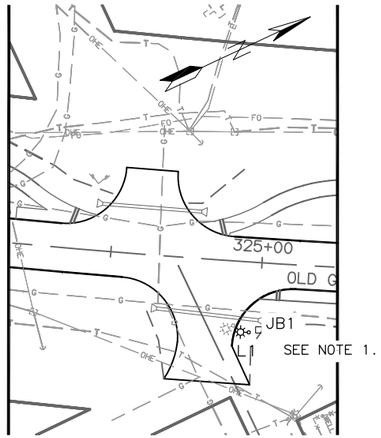
SCALE: 1:50

COMPUTER DESIGNATION

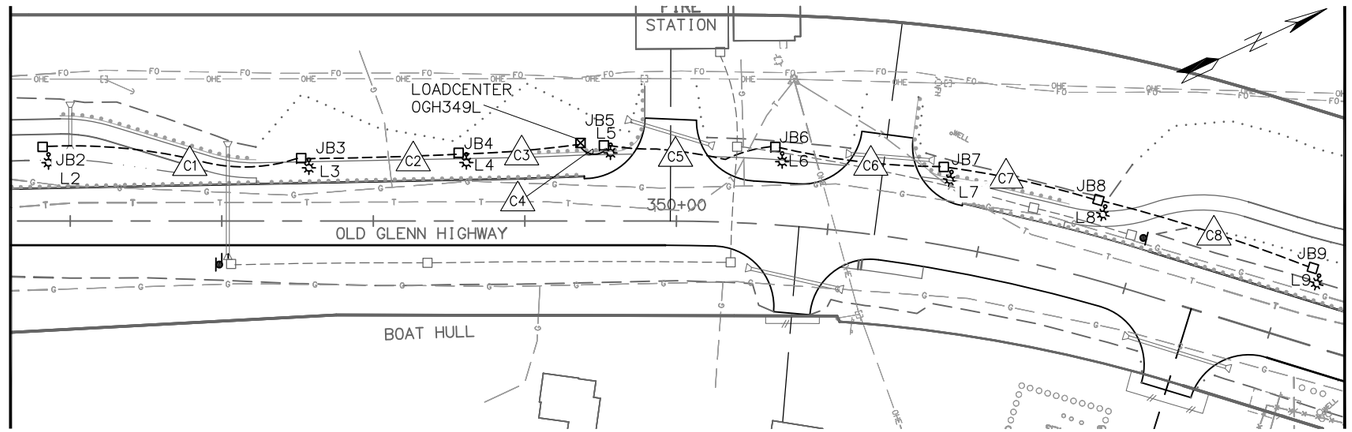
SPECIFICATIONS

NOTES

1. RELOCATE EXISTING ELECTROLIER WITH NEW FOUNDATION. EXTEND EXISTING LIGHTING CIRCUIT AND PROVIDE NEW JUNCTION BOX. ALL MATERIALS AND WORK SHALL BE INCLUDED UDNDER PAY ITEM "RELOCATE ELECTROLIER".



OLD GLENN AND DIVISION ST. LIGHTING



OLD GLENN AND CHUGIAK FIRE STATION LIGHTING

ELECTROLIER SUMMARY

POLE NO	CIRCUIT NO	STATION	OFFSET	LIGHT DISTRUBTION TYPE	LAMP WATTS	BALLAST VOLTAGE	MOUNTING HEIGHT (FT)	SHAFT LENGTH (FT)	MAST ARM LENGTH (FT)	COMMENTS
L1	xx	324+95	46.40 RT	MEDIUM, CUTOFF, TYPE 3	250	240	40.0	41.0	15	SEE NOTE 1
L2	A2	345+86	43.91 LT	MEDIUM, CUTOFF, TYPE 3	250	240	40.0	34.0	22	
L3	A2	347+57	40.46 LT	MEDIUM, CUTOFF, TYPE 3	250	240	40.0	35.5	16	
L4	A2	348+61	43.99 LT	MEDIUM, CUTOFF, TYPE 3	250	240	40.0	35.0	17	
L5	A2	349+57	50.35 LT	MEDIUM, CUTOFF, TYPE 3	250	240	40.0	34.2	19	
L6	A3	350+67	47.31 LT	MEDIUM, CUTOFF, TYPE 3	250	240	40.0	34.2	19	
L7	A3	351+74	48.61 LT	MEDIUM, CUTOFF, TYPE 3	250	240	40.0	34.2	19	
L8	A3	352+74	48.40 LT	MEDIUM, CUTOFF, TYPE 3	250	240	40.0	34.0	21	
L9	A3	354+20	45.76 LT	MEDIUM, CUTOFF, TYPE 3	250	240	40.0	35.0	18	

SEE SHEETS H23, H24 FOR ROADWAY BEACONS IN THIS AREA.

CONDUIT SUMMARY

CONDUIT	FROM	TO	SIZE	CONTAINS	LENGTH (FT)
C1	JB2	JB3	2"RMC	1-3c8, CKT A2, 1c8 Gnd	170
C2	JB3	JB4	2"RMC	1-3c8, CKT A2, 1c8 Gnd	100
C3	JB4	OGH349L	2"RMC	1-3c8, CKT A2, 1c8 Gnd	80
C4	OGH349L	JB5	2"RMC	1-3c8, CKT A2, 1c8 Gnd	20
C5	JB5	JB6	2-2"RMC	2-3c8, CKT A2, 1c8 Gnd	109
C6	JB6	JB7	2-2"RMC	2-3c8, CKT A2, 1c8 Gnd	110
C7	JB7	JB8	2"RMC	2-3c8, CKT A2, 1c8 Gnd	100
C8	JB8	JB9	2"RMC	1-3c8, CKT A2, 1c8 Gnd	145

JUNCTION BOX SUMMARY

J-BOX NO	STATION	OFFSET	TYPE	COMMENTS
JB1			1A	LOCATE PER LIGHTING STANDARD
JB2			1A	LOCATE PER LIGHTING STANDARD
JB3			1A	LOCATE PER LIGHTING STANDARD
JB4			1A	LOCATE PER LIGHTING STANDARD
JB5			1A	LOCATE PER LIGHTING STANDARD
JB6			1A	LOCATE PER LIGHTING STANDARD
JB7			1A	LOCATE PER LIGHTING STANDARD
JB8			1A	LOCATE PER LIGHTING STANDARD
JB9			1A	LOCATE PER LIGHTING STANDARD

SHEET NO.	TOTAL SHEETS
H22	H38
STATE	YEAR
ALASKA	2009

PROJECT DESIGNATION

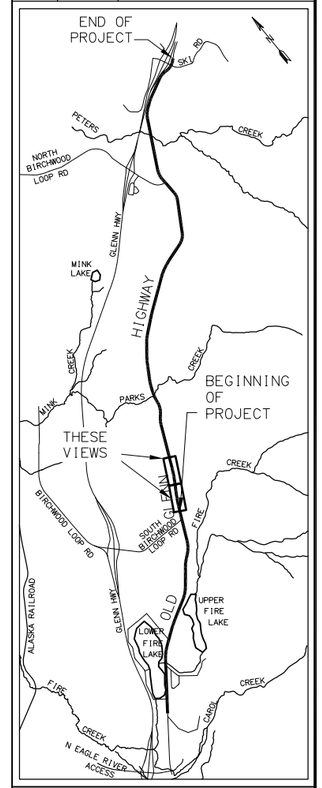
STP-0558(X)/50946

ADDENDUM NO.

ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION



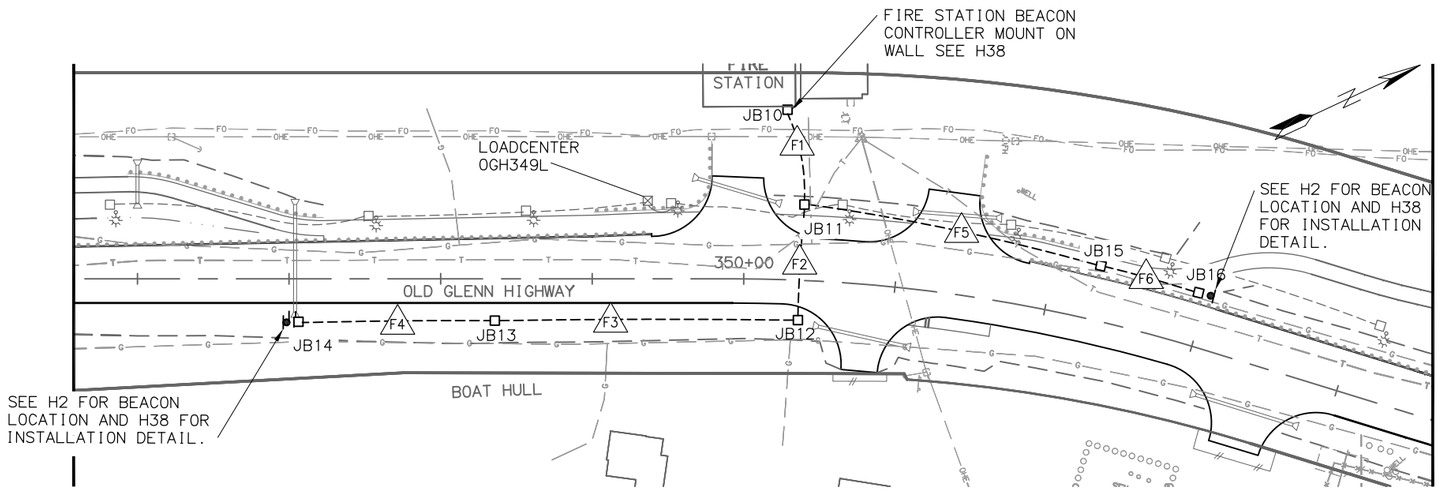
STATE OF ALASKA
49TH
William M McDonald
EE 7879
REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY
CRW ENGINEERING GROUP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

AMATS: OLD GLENN HIGHWAY
S. BIRCHWOOD LOOP TO
PETERS CREEK

ILLUMINATION
& HEAT TAPE



OLD GLENN AND CHUGIAK FIRE STATION BEACON

SEE SHEETS H22, H25,H26 FOR ROADWAY LIGHTING IN THIS AREA.

CONDUIT SUMMARY

E	FROM	TO	SIZE	CONTAINS	LENGTH (FT)
F1	JB10	JB11	2"RMC	2-3c8, 1-1c8 Gnd	59
F2	JB11	JB12	2-2"RMC	1-3c8, 1-1c8 Gnd/Spare	71
F3	JB12	JB13	2"RMC	1-3c8, 1-1c8 Gnd	194
F4	JB13	JB14	2"RMC	1-3c8, 1-1c8 Gnd	124
F5	JB11	JB15	2-2"RMC	1-3c8, 1-1c8 Gnd	195
F6	JB15	JB16	2"RMC	1-3c8, 1-1c8 Gnd	60

JUNCTION BOX SUMMARY

J-BOX NO	STATION	OFFSET	TYPE	COMMENTS
JB10	350+23	112.08 LT	1A	
JB11	350+35	49.93 LT	1A	
JB12	350+34	26.48 RT	1A	
JB13	348+33	27.57 RT	1A	
JB14			1A	LOCATE DOWNSTREAM OF BEACON
JB15	352+27	35.98 LT	1A	
JB16			1A	LOCATE DOWNSTREAM OF BEACON

SHEET NO.	TOTAL SHEETS
H23	H38
STATE	YEAR
ALASKA	2009

PROJECT DESIGNATION

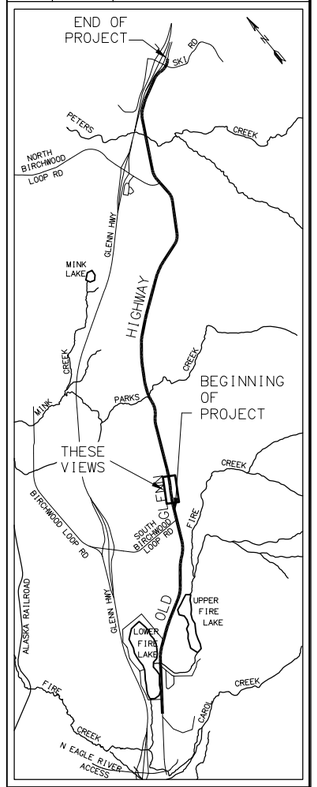
STP-0558(X)/50946

ADDENDUM NO.

ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION



STATE OF ALASKA
49TH
William M McDonald
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PLANS DEVELOPED BY
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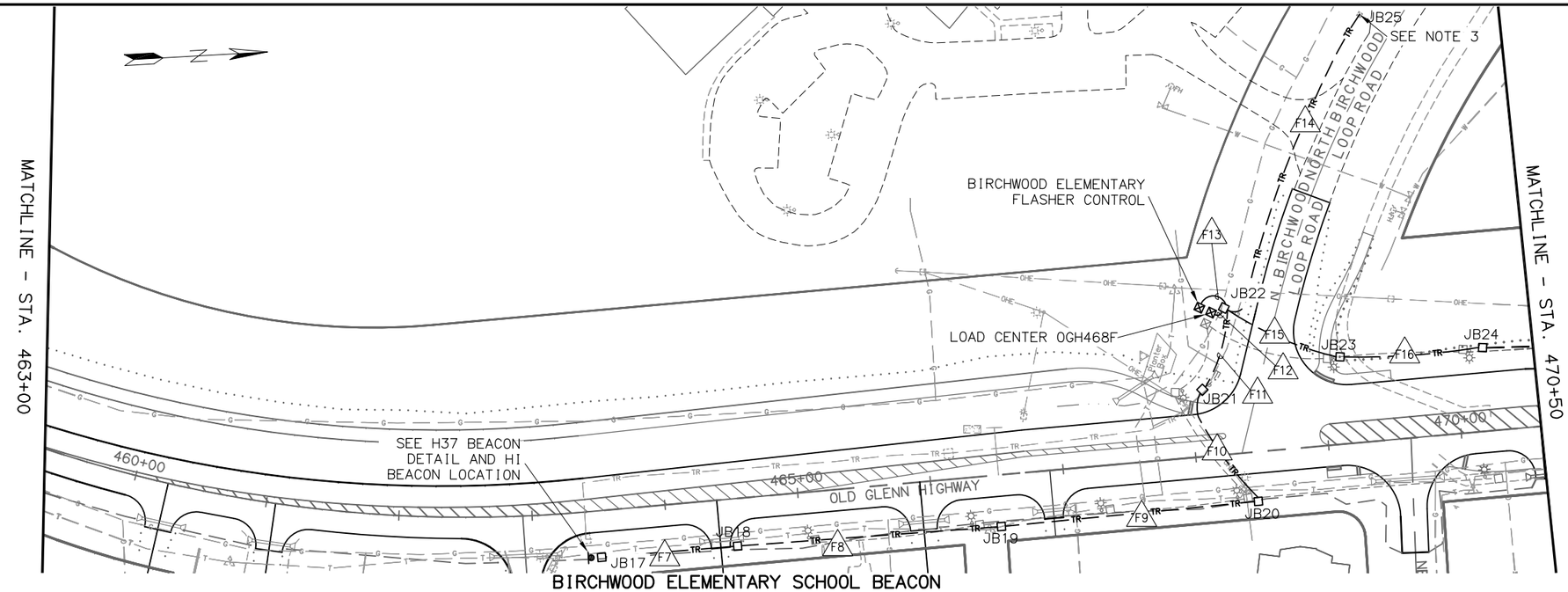
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

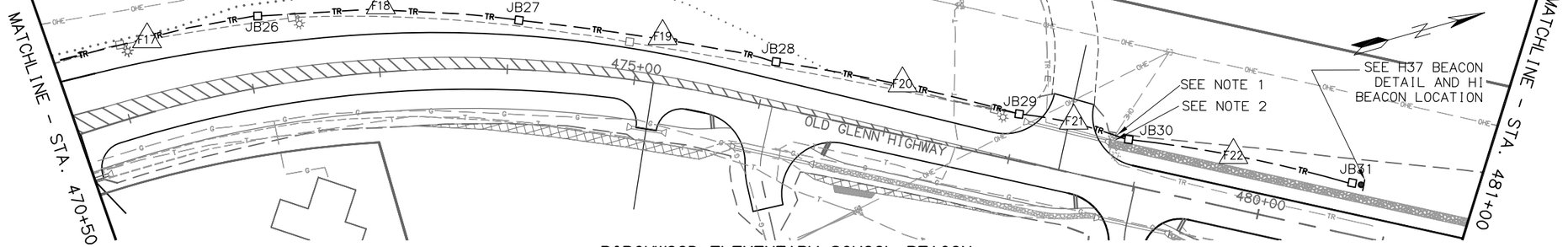
AMATS:OLD GLENN HIGHWAY
S. BIRCHWOOD LOOP TO
PETERS CREEK

FIRE STATION
BEACON

DESIGNED BY: WMM
CHECKED BY: RW
DRAFTED BY: WMM
DATE DRAFTED: 07/31/09
SPECIFICATIONS
PLOT SCALE: 1:1
SCALE: 1:50
COMPUTER DESIGNATION
LAYOUT: H21
2008 H19-H25 Illumination and Heat Tape Phil.dwg



BIRCHWOOD ELEMENTARY SCHOOL BEACON
STA 463+00 -470+50



BIRCHWOOD ELEMENTARY SCHOOL BEACON
STA 470+50 -481+00

SEE SHEETS H22, H25,H26 FOR ROADWAY LIGHTING IN THIS AREA.

NOTES

1. SALVAGE EXISTING LOAD CENTER AND CONTROLLER. RETURN TO OWNER.
2. REMOVE CONDUIT AND CONDUCTORS SERVING EXISTING CONTROLLER AND LOAD CENTER.
3. INTERCEPT EXISTING FLASHING BEACON SIGNAL CIRCUIT. DISCONNECT AT CROSSWALK (NOT SHOWN) CIRCUIT THAT EXTENDS ONTO SCHOOL PROPERTY. ABANDON IN PLACE.
4. MOUNT FLASHING BEACON ON THE BACK OF THE LOAD CENTER SUPPORTS.

CONDUIT SUMMARY

CONDUIT	FROM	TO	SIZE	CONTAINS	LENGTH (FT)
F7	JB17	JB18	2-2"RMC	1-3c8, 1-1c6 Gnd	95
F8	JB18	JB19	2-2"RMC	1-3c8, 1-1c6 Gnd	200
F9	JB19	JB20	2-2"RMC	1-3c8, 1-1c6 Gnd	200
F10	JB20	JB21	2-2"RMC	1-3c8, 1-1c6 Gnd	100
F11	JB21	JB22	2"RMC	1-3c8, 1-1c6 Gnd	61
F12	OGH468F	JB22	2"RMC	1-3c8, 1-1c6 Gnd	8
F13	CONTROLLER	JB19	2"RMC	1-3c8, 1-1c6 Gnd	12
F14	JB22	JB25	2"RMC	1-3c8, 1-1c6 Gnd	251
F15	JB22	JB23	2-2"RMC	1-3c8, 1-1c6 Gnd	90
F16	JB23	JB24	2"RMC	1-3c8, 1-1c6 Gnd	100
F17	JB24	JB25	2"RMC	1-3c8, 1-1c6 Gnd	200
F18	JB25	JB26	2"RMC	1-3c8, 1-1c6 Gnd	200
F19	JB26	JB27	2"RMC	1-3c8, 1-1c6 Gnd	198
F20	JB27	JB28	2"RMC	1-3c8, 1-1c6 Gnd	190
F21	JB28	JB29	2-2"RMC	1-3c8, 1-1c6 Gnd	83
F22	JB29	JB30	2"RMC	1-3c8, 1-1c6 Gnd	172

JUNCTION BOX SUMMARY

J-BOX NO	STATION	OFFSET	TYPE	COMMENTS
JB17			1A	LOCATE PER LIGHTING STANDARD
JB18	464+49	35.63 RT	1A	
JB19	466+47	38.67 RT	1A	
JB20	468+41	37.09 RT	1A	
JB21	468+07	48.13 LT	1A	
JB22	468+29	107.15 LT	1A	
JB23	469+11	65.56 LT	1A	
JB24	470+19	63.11 LT	1A	
JB25	469+52	319.86 LT	1A	EXISTING. NOTE 3
JB26	472+10	55.85 LT	1A	
JB27	474+05	39.02 LT	1A	
JB28	476+03	34.74 LT	1A	
JB29	477+97	36.31 LT	1A	
JB30	478+86	35.05 LT	1A	
JB31			1A	LOCATE PER LIGHTING STANDARD

SHEET NO.	TOTAL SHEETS
H24	H38
STATE	YEAR
ALASKA	2009

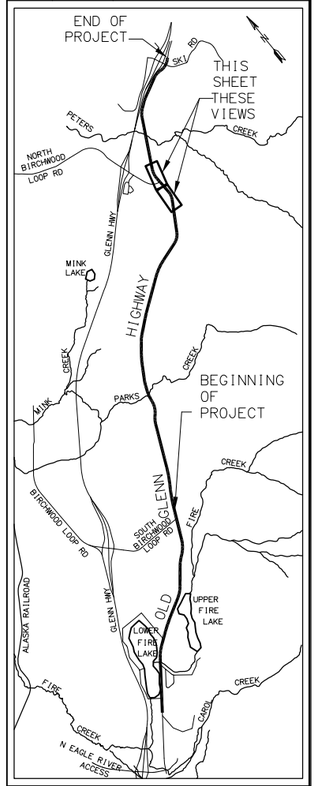
PROJECT DESIGNATION
STP-0558(X)/50946

ADDENDUM NO.

ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION



STATE OF ALASKA
49TH
William M McDonald
EE 7879
REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY
CRW ENGINEERING GROUP

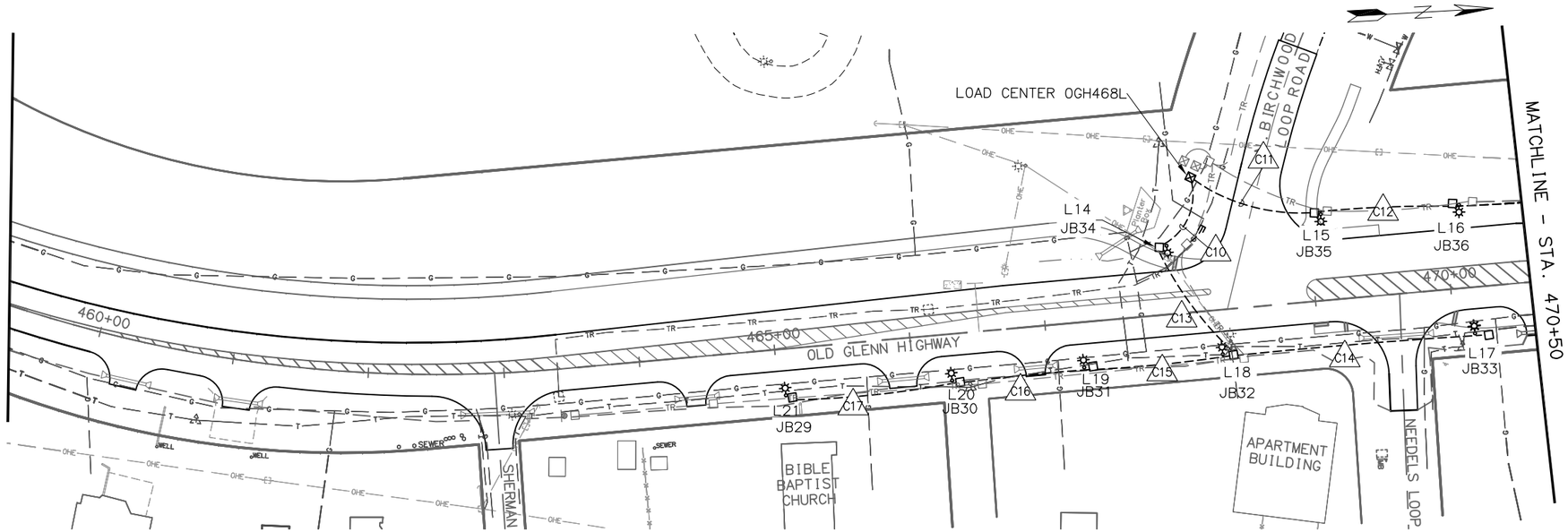
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

AMATS: OLD GLENN HIGHWAY
S. BIRCHWOOD LOOP TO
PETERS CREEK

ILLUMINATION
& HEAT TAPE

SPECIFICATIONS
SCALE: 1:20
COMPUTER DESIGNATION
PLOT SCALE: 1:1
2008B H18-H25 Illumination adn Heat Tape Plot.dwg
LAYOUT: H22

DESIGNED BY	WMM	
CHECKED BY	RW	DATE DRAFTED: 07/31/09
DRAFTED BY	WMM	



OLD GLENN AND N. BIRCHWOOD LOOP
LIGHTING

ELECTROLIER SUMMARY

POLE NO	CIRCUIT NO	STATION	OFFSET	LIGHT DISTRUBTION TYPE	LAMP WATTS	BALLAST VOLTAGE	MOUNTING HEIGHT (FT)	SHAFT LENGTH (FT)	MAST ARM LENGTH (FT)	COMMENTS
L14	A2	467+94	50.52 LT	MEDIUM, CUTOFF, TYPE 3	250	240	40.0	34.2	20	
L15	A2	469+09	63.57 LT	MEDIUM, CUTOFF, TYPE 3	250	240	40.0	35.0	18	
L16	A2	470+11	61.38 LT	MEDIUM, CUTOFF, TYPE 3	250	240	40.0	35.0	18	
L17	A2	470+15	33.99 RT	MEDIUM, CUTOFF, TYPE 3	250	240	40.0	35.0	18	
L18	A3	468+28	32.77 RT	MEDIUM, CUTOFF, TYPE 3	250	240	40.0	35.5	16	
L19	A3	467+26	33.31 RT	MEDIUM, CUTOFF, TYPE 3	250	240	40.0	35.0	18	
L20	A3	466+28	34.19 RT	MEDIUM, CUTOFF, TYPE 3	250	240	40.0	35.0	18	
L21	A3	465+05	34.19 RT	MEDIUM, CUTOFF, TYPE 3	250	240	40.0	35.0	18	

SEE SHEETS H23, H24 FOR ROADWAY BEACONS IN THIS AREA.

CONDUIT SUMMARY

CONDUIT	FROM	TO	SIZE	CONTAINS	LENGTH (FT)
C10	JB34	0GH468L	2"RMC	1-3c8, CKT A2, 1-1c8 Gnd	65
C11	0GH468L	JB35	2-2"RMC	1-3c8, CKT A2, 1-1c8 Gnd	70
C12	JB35	JB36	2"RMC	1-3c8, CKT A2, 1-1c8 Gnd	95
C13	JB34	JB32	2-2"RMC	1-3c8, CKT A2, 1-1c8 Gnd	110
C14	JB32	JB33	2-2"RMC	1-3c8, CKT A3, 1-1c8 Gnd	180
C15	JB32	JB31	2"RMC	2-3c8, CKT A3, 1-1c8 Gnd	100
C16	JB31	JB30	2"RMC	1-3c8, CKT A3, 1-1c8 Gnd	95
C17	JB30	JB29	2"RMC	1-3c8, CKT A3, 1-1c8 Gnd	120

JUNCTION BOX SUMMARY

J-BOX NO	STATION	OFFSET	TYPE	COMMENTS
JB29			1A	LOCATE PER LIGHTING STANDARD
JB30			1A	LOCATE PER LIGHTING STANDARD
JB31			1A	LOCATE PER LIGHTING STANDARD
JB32			1A	LOCATE PER LIGHTING STANDARD
JB33			1A	LOCATE PER LIGHTING STANDARD
JB34			1A	LOCATE PER LIGHTING STANDARD
JB35			1A	LOCATE PER LIGHTING STANDARD
JB36			1A	LOCATE PER LIGHTING STANDARD

SHEET NO.	TOTAL SHEETS
H25	H38
STATE	YEAR
ALASKA	2009

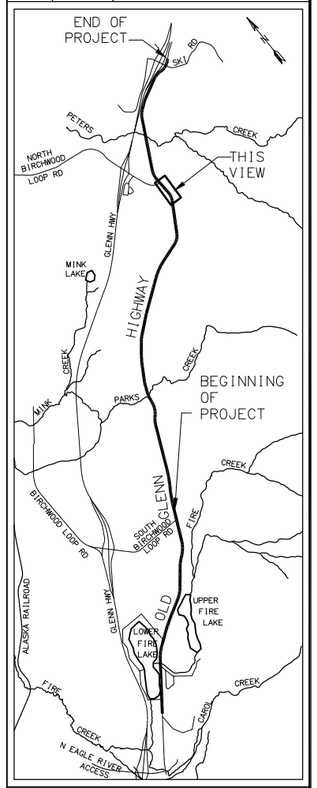
PROJECT DESIGNATION
STP-0558(X)/50946

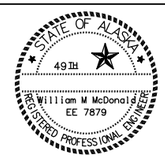
ADDENDUM NO.

ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION





PLANS DEVELOPED BY
CRW ENGINEERING GROUP

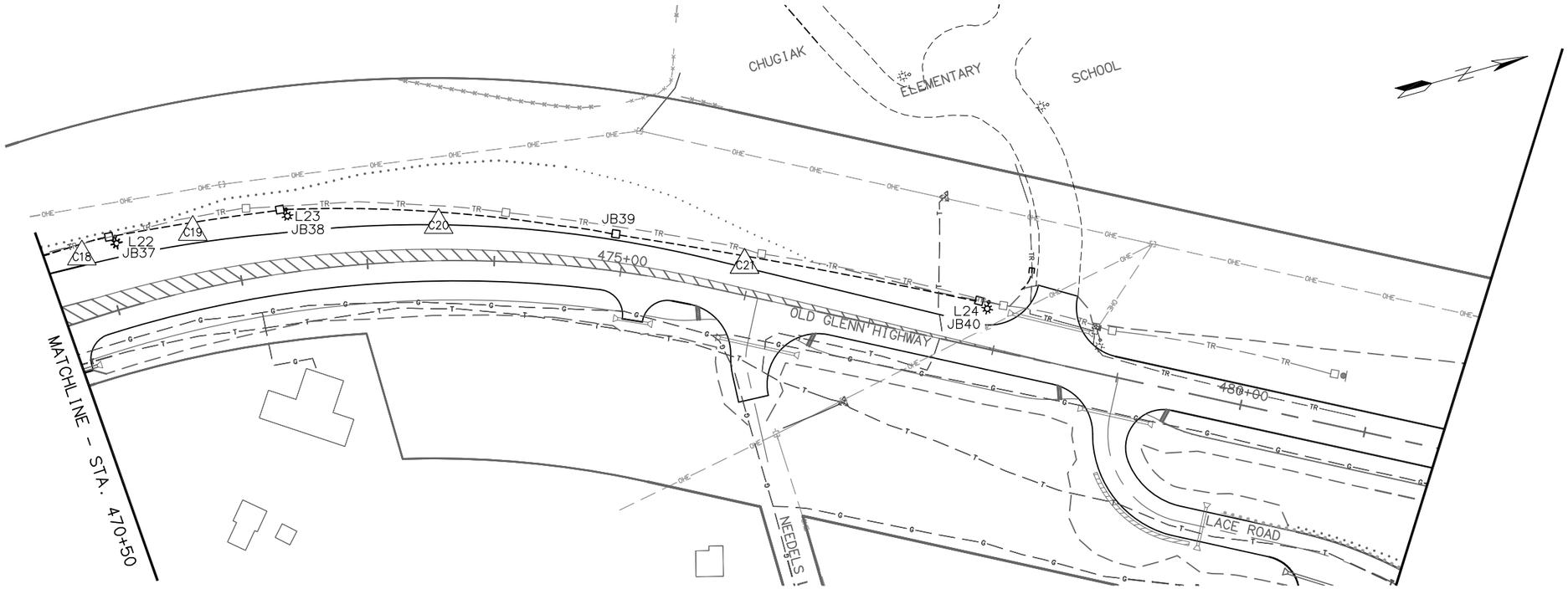
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

AMATS: OLD GLENN HIGHWAY
S. BIRCHWOOD LOOP TO
PETERS CREEK

ILLUMINATION
& HEAT TAPE

DESIGNED BY: WMM
CHECKED BY: RW
DRAFTED BY: WMM
DATE DRAFTED: 07/31/09

SPECIFICATIONS
SCALE: 1:80
COMPUTER DESIGNATION
PLOT SCALE: 1:1
20088 H19-H25 Illumination and Heat Tape Plt1.dwg
LAYOUT: H24



OLD GLENN AND N. BIRCHWOOD LOOP LIGHTING CONTINUED

ELECTROLIER SUMMARY

POLE NO	CIRCUIT NO	STATION	OFFSET	LIGHT DISTRUBTION TYPE	LAMP WATTS	BALLAST VOLTAGE	MOUNTING HEIGHT (FT)	SHAFT LENGTH (FT)	MAST ARM LENGTH (FT)	COMMENTS
L22	A2	471+13	56.41 LT	MEDIUM, CUTOFF, TYPE 3	250	240	40.0	34.2	20	
L23	A2	472+42	49.72 LT	MEDIUM, CUTOFF, TYPE 3	250	240	40.0	35.0	18	
L24	A2	477+89	36.41 LT	MEDIUM, CUTOFF, TYPE 3	250	240	40.0	35.0	18	

SEE SHEETS H23, H24 FOR ROADWAY BEACONS IN THIS AREA.

CONDUIT SUMMARY

CONDUIT	FROM	TO	SIZE	CONTAINS	LENGTH (FT)
C18	JB36	JB37	2"RMC	1-3c8, CKT A2, 1-1c8 Gnd	100
C19	JB37	JB38	2"RMC	1-3c8, CKT A2, 1-1c8 Gnd	130
C20	JB38	JB39	2"RMC	1-3c8, CKT A2, 1-1c8 Gnd	260
C21	JB39	JB40	2"RMC	1-3c8, CKT A2, 1-1c8 Gnd	285

JUNCTION BOX SUMMARY

J-BOX NO	STATION	OFFSET	TYPE	COMMENTS
JB37			1A	LOCATE PER LIGHTING STANDARD
JB38			1A	LOCATE PER LIGHTING STANDARD
JB39	474+90	29.18 LT	1A	
JB40			1A	LOCATE PER LIGHTING STANDARD

NOTES

1. GET MATANUSKA ELECTRIC TO DISCONNECT THE SERVICE TO THE EXISTING LOAD CENTER. REMOVE THE EXISTING GUYED WOOD POLE AND THE LOAD CENTER, SCHOOL FLASHER CONTROLLER CABINET, AND CONDUITS MOUNTED ON THE WOOD POLE.
2. REMOVE THE EXISTING TYPE 1A JUNCTION BOX.
3. DISCONNECT, REMOVE EXISTING ELECTROLIER AND ITS FOUNDATION.
4. REMOVE THE ONE 3-CONDUCTOR 8 AWG CABLE BACK TO THE JUNCTION BOX SHOWN.
5. INTERCEPT EXISTING 2-INCH RIGID METAL CONDUIT AND EXTEND A NEW CONDUIT TO THE CONTROLLER JUNCTION BOX.

SHEET NO.	TOTAL SHEETS
H26	H38
STATE	YEAR
ALASKA	2009

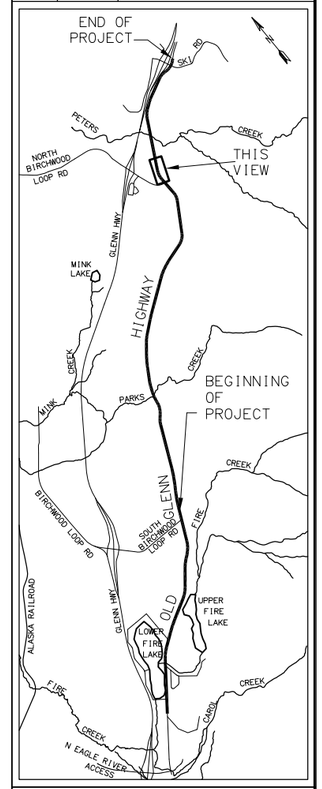
PROJECT DESIGNATION
STP-0558(X)/50946

ADDENDUM NO.

ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION



STATE OF ALASKA
49TH
William M McDonald
EE 7879
REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY
CRW ENGINEERING GROUP

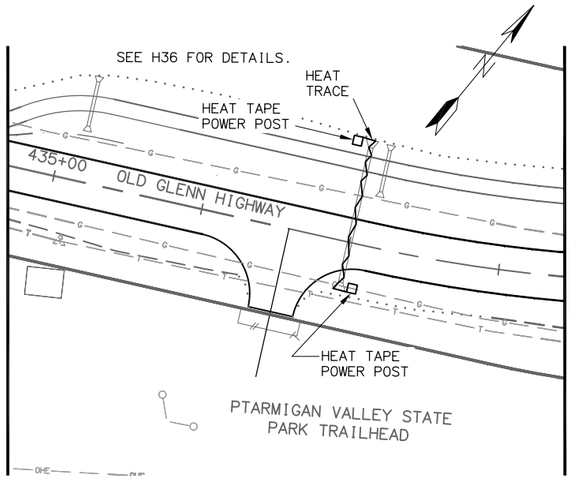
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

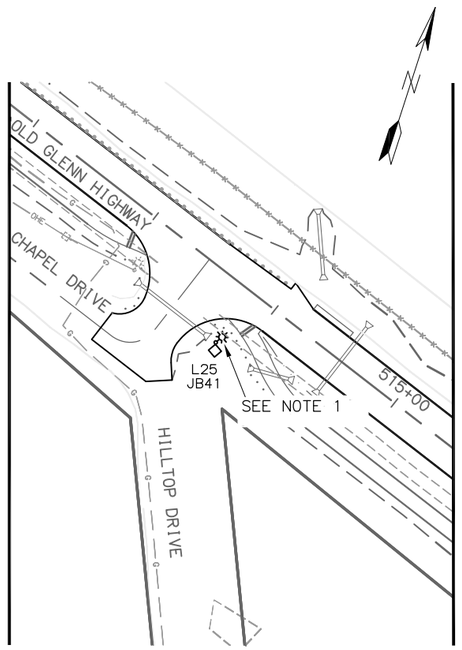
AMATS: OLD GLENN HIGHWAY
S. BIRCHWOOD LOOP TO
PETERS CREEK

ILLUMINATION
& HEAT TAPE

DESIGNED BY: MMM
CHECKED BY: RW
DRAFTED BY: MMM
DATE DRAFTED: 07/31/09

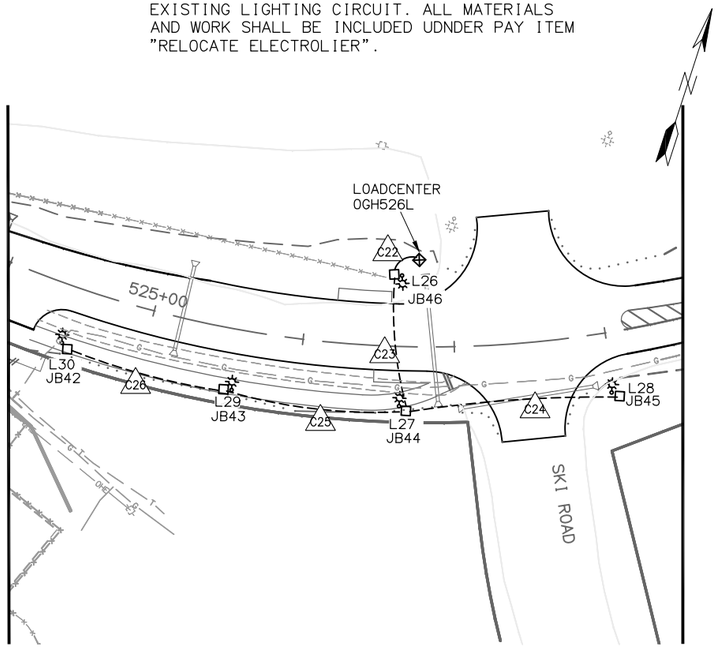
SPECIFICATIONS
PLOT SCALE: 1:1
SCALE: 1:50
COMPUTER DESIGNATION: 2008B H19-H25 I:\Illumination and Heat Tape Ph1.dwg
LAYOUT: H25





NOTES

1. RELOCATE EXISTING ELECTROLIER AND JUNCTION BOX WITH NEW FOUNDATION. EXTEND EXISTING LIGHTING CIRCUIT. ALL MATERIALS AND WORK SHALL BE INCLUDED UDNDER PAY ITEM "RELOCATE ELECTROLIER".



OLD GLENN STA 437+00
CROSSING HEAT TAPE

OLD GLENN AND HILLTOP / CHAPEL DR.
RELOCATE EXISITNG LIGHTING

OLD GLENN AND SKI RD.
LIGHTING

ELECTROLIER SUMMARY

POLE NO	CIRCUIT NO	STATION	OFFSET	LIGHT DISTRUBTION TYPE	LAMP WATTS	BALLAST VOLTAGE	MOUNTING HEIGHT (FT)	SHAFT LENGTH (FT)	MAST ARM LENGTH (FT)	COMMENTS
L25	xx	513+83	40.80 RT	MEDIUM, CUTOFF, TYPE 3	250	240	40.0	34.0	22	SEE NOTE 1
L26	A2	526+64	46.82 LT	MEDIUM, CUTOFF, TYPE 3	250	240	40.0	35.0	18	
L27	A2	526+65	39.40 RT	MEDIUM, CUTOFF, TYPE 3	250	240	40.0	34.0	22	
L28	A2	527+98	39.47 RT	MEDIUM, CUTOFF, TYPE 3	250	240	40.0	34.0	22	
L29	A2	525+59	40.04 RT	MEDIUM, CUTOFF, TYPE 3	250	240	40.0	34.0	22	
L30	A2	524+49	37.88 RT	MEDIUM, CUTOFF, TYPE 3	250	240	40.0	34.0	22	

CONDUIT SUMMARY

CONDUIT	FROM	TO	SIZE	CONTAINS	LENGTH (FT)
C22	OGH526L	JB46	2"RMC	1-3c8, CKT A2, 1-1c8 Gnd	20
C23	JB44	JB46	2-2"RMC	1-3c8, CKT A2, 1-1c8 Gnd	85
C24	JB45	JB44	2-2"RMC	1-3c8, CKT A2, 1-1c8 Gnd	140
C25	JB43	JB44	2"RMC	1-3c8, CKT A2, 1-1c8 Gnd	115
C26	JB42	JB43	2"RMC	1-3c8, CKT A2, 1-1c8 Gnd	100

JUNCTION BOX SUMMARY

J-BOX NO	STATION	OFFSET	TYPE	COMMENTS
JB41			1A	LOCATE PER LIGHTING STANDARD
JB42			1A	LOCATE PER LIGHTING STANDARD
JB43			1A	LOCATE PER LIGHTING STANDARD
JB44			1A	LOCATE PER LIGHTING STANDARD
JB45			1A	LOCATE PER LIGHTING STANDARD
JB46			1A	LOCATE PER LIGHTING STANDARD

SHEET NO.	TOTAL SHEETS
H27	H38
STATE	YEAR
ALASKA	2009

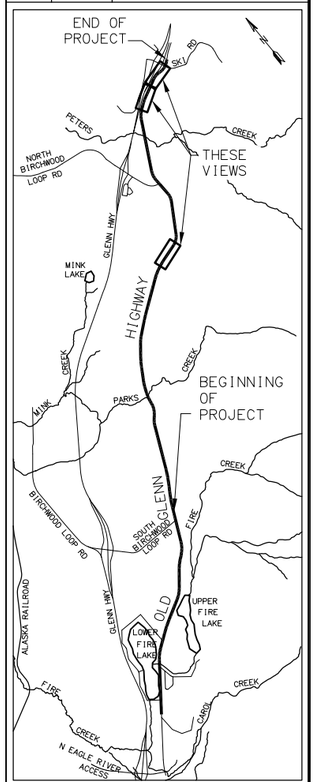
PROJECT DESIGNATION
STP-0558(X)/50946

ADDENDUM NO.

ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION



STATE OF ALASKA
49TH
William M McDonald
EE 7879
REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY
CRW ENGINEERING GROUP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

AMATS: OLD GLENN HIGHWAY
S. BIRCHWOOD LOOP TO
PETERS CREEK

ILLUMINATION
& HEAT TAPE

SPECIFICATIONS
SCALE: 1:50
COMPUTER DESIGNATION

PLOT SCALE: 1:1
20080 H19-H25 Illumination and Heat Tape Plan.dwg

LAYOUT: H25

DESIGNED BY: MMM
CHECKED BY: RM
DRAFTED BY: MMM

DATE DRAFTED: 07/31/09

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	STP-0558(6)/58061	2009	H28	H38

DESIGNED BY	ESJ	DATE DRAFTED: 07/31/09
CHECKED BY	ESJ	
DRAFTED BY		LAYOUT: H28
PLOT SCALE: 1:2		
COMPUTER DESIGNATION	H25-H30 Loadcenter Summaries and Notes.dwg	
SPECIFICATIONS		
SCALE: NA		

SUMMARY OF LOAD CENTER: OGH 349L

LOAD CENTER TYPE: II

SERVING UTILITY MATANUSKA ELECTRIC
SERVICE CONDUIT: RIGID METAL CONDUIT (RMC)

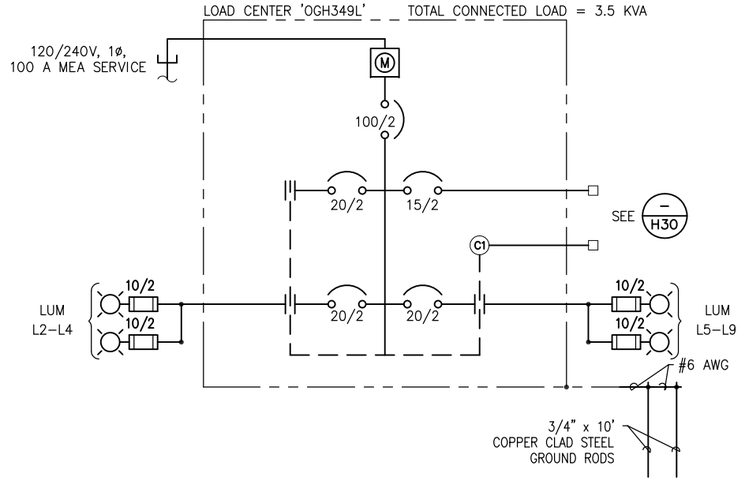
LOCATION DATA: OLD GLENN HWY, STA 349+37, 51.5' RT
CONTROL PHOTOELECTRIC CONTROL ON CABINET

SERVICE VOLTAGE: 1 PHASE, 3 WIRE, 120/240 V AC
PROVIDE METER SOCKET: YES

A.I.C. RATING: 10,000 AMPS
MAIN BREAKER: 240 VOLT, 2 POLE, 100 AMP
CONTACTOR: 600 VOLT, 4 POLE, 30 AMP (EA)
240VOLT COIL

LOAD SCHEDULE

CIRCUIT NUMBER	DESCRIPTION	KVA LOAD	BREAKER AMPS	BREAKER POLES
A1	PHOTOELECTRIC CONTROL	0.1	15	2
A2	LUMINAIRES L2 THROUGH L4	0.9	20	2
A3	LUMINAIRES L5 THROUGH L9	1.5	20	2
A4	SPARE			2



PLANS DEVELOPED BY
CRW ENGINEERING GROUP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

OLD GLENN HIGHWAY
FIRE LAKE TO
SOUTH BIRCHWOOD LP

LOAD CENTER SUMMARIES
OGH349L

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	**STP-0558(6)/58061**	2009	H29	H38

SUMMARY OF LOAD CENTER: OGH 468F

LOAD CENTER TYPE: II

SERVING UTILITY MATANUSKA ELECTRIC
SERVICE CONDUIT: RIGID METAL CONDUIT (RMC)

LOCATION DATA: OLD GLENN HWY, STA 468+16, 12' LT
CONTROL MOUNT BEACON CONTROL ON BACK OF SUPPROTS

SERVICE VOLTAGE: 1 PHASE, 3 WIRE, 120/240 V AC
PROVIDE METER SOCKET: YES

A.I.C. RATING: 10,000 AMPS
MAIN BREAKER: 240 VOLT, 2 POLE, 100 AMP
CONTACTOR: 600 VOLT, 6 POLE, 30 AMP (EA)
240 VOLT COIL

LOAD SCHEDULE

CIRCUIT NUMBER	DESCRIPTION	KVA LOAD	BREAKER AMPS	BREAKER POLES
A1	SCHOOL BEACON	1.5	30	1
A2				
A3				
A4				

SUMMARY OF LOAD CENTER: OGH 468L

LOAD CENTER TYPE: II

SERVING UTILITY MATANUSKA ELECTRIC
SERVICE CONDUIT: RIGID METAL CONDUIT (RMC)

LOCATION DATA: OLD GLENN HWY, STA 468+16, 99'LT
CONTROL PHOTOCELL ON LOAD CENTER CABINET

SERVICE VOLTAGE: 1 PHASE, 3 WIRE, 120/240 V AC
PROVIDE METER SOCKET: YES

A.I.C. RATING: 10,000 AMPS
MAIN BREAKER: 240 VOLT, 2 POLE, 100 AMP
CONTACTOR: 600 VOLT, 6 POLE, 30 AMP (EA)
240 VOLT COIL

LOAD SCHEDULE

CIRCUIT NUMBER	DESCRIPTION	KVA LOAD	BREAKER AMPS	BREAKER POLES
A1	PHOTOELECTRIC CONTROL	0.1	15	2
A2	LUMINAIRES L10–L12, L18–L20	2.1	20	2
A3	LUMINAIRES L13–L17	1.2	20	2
A4	FLASHER	1.0	20	1
A5	SPARE		20	2

SUMMARY OF LOAD CENTER: OGH 526L

LOAD CENTER TYPE: II

SERVING UTILITY MATANUSKA ELECTRIC
SERVICE CONDUIT: RIGID METAL CONDUIT (RMC)

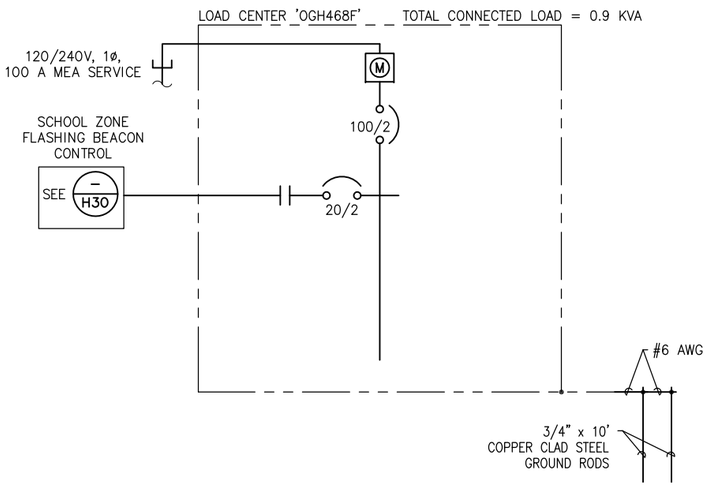
LOCATION DATA: OLD GLENN HWY, STA 526 + 76, 57.37'LT
CONTROL: PHOTOCELL ON LOADCENTER

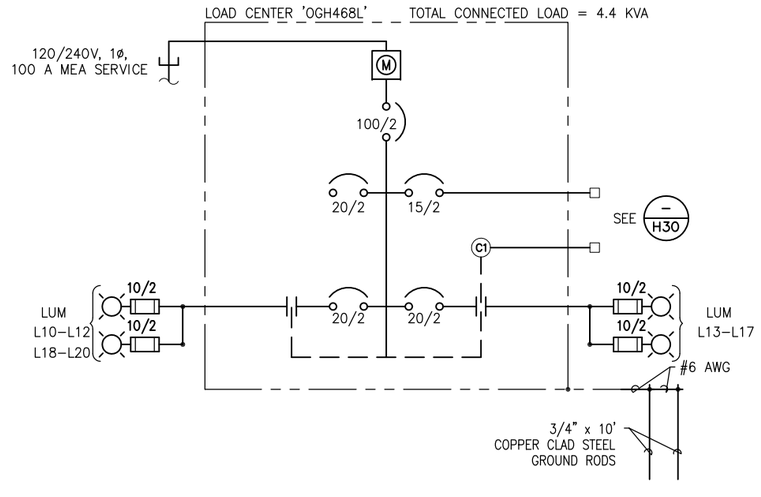
SERVICE VOLTAGE: 1 PHASE, 3 WIRE, 120/240 V AC
PROVIDE METER SOCKET: YES

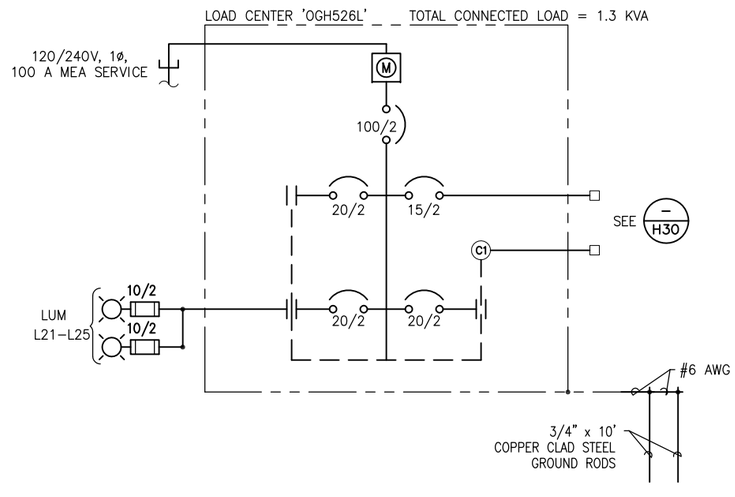
A.I.C. RATING: 10,000 AMPS
MAIN BREAKER: 240 VOLT, 2 POLE, 100 AMP
CONTACTOR: 600 VOLT, 6 POLE, 30 AMP (EA)
240 VOLT COIL

LOAD SCHEDULE

CIRCUIT NUMBER	DESCRIPTION	KVA LOAD	BREAKER AMPS	BREAKER POLES
A1	LIGHTING CONTROLS	0.1	15	2
A2	LUMINAIRES L21–L25	1.7	20	2
A3	SPARE		20	2
A4	SPARE		20	2







DESIGNED BY MMM
CHECKED BY
DRAFTED BY MMM
DATE DRAFTED: 07/31/09
SPECIFICATIONS
SCALE: NA
COMPUTER DESIGNATION H25-H30 Loadcenter Summaries and Notes.dwg
PLOT SCALE: 1:2
LAYOUT: H29

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

OLD GLENN HIGHWAY
FIRE LAKE TO
SOUTH BIRCHWOOD LP

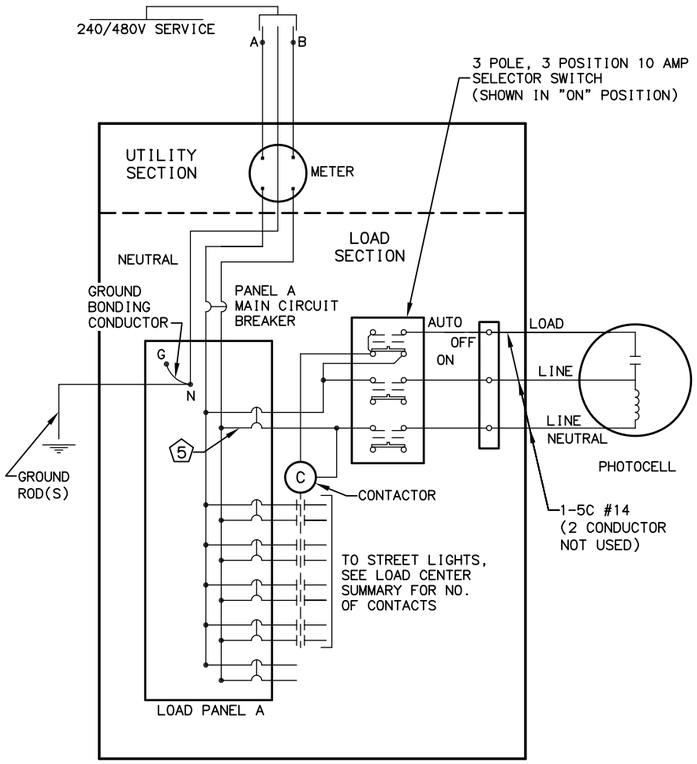
LOAD CENTER SUMMARY
OGH468F / OGH468L / OGH526L

STATE OF ALASKA
49TH
William M. McDonald
EE 7879
REGISTERED PROFESSIONAL ENGINEER

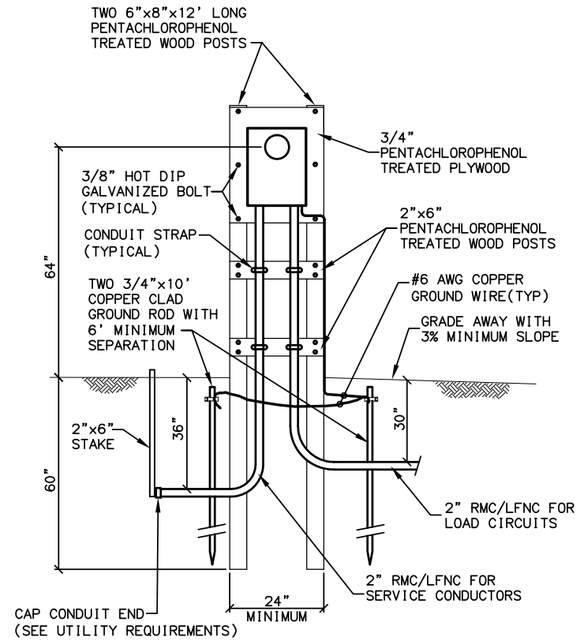
PLANS DEVELOPED BY
CRW ENGINEERING GROUP

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION					
1	07/14/08	CENTRAL REGION DETAIL-REPLACE STD. DWG. L-26.00	ALASKA	STP-0558(X)/50946	2009	H30	H38

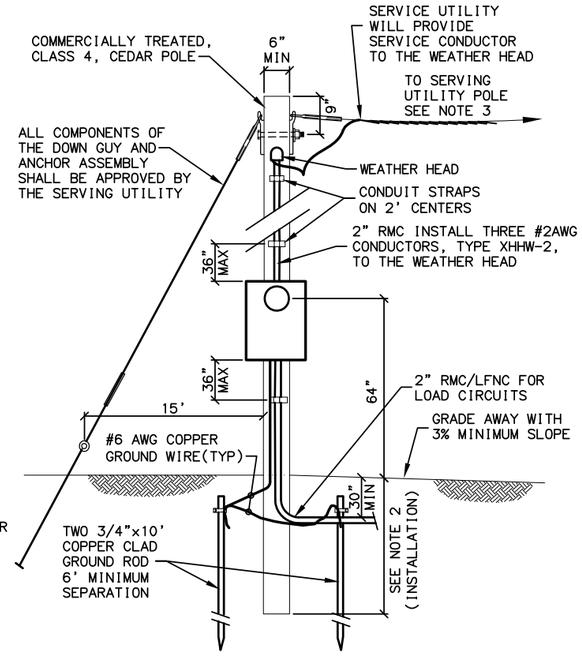
DESIGNED BY CRW
CHECKED BY CRW
DRAFTED BY MEF
DATE DRAFTED: 07/31/09
LAYOUT: H30
PLOT SCALE: 1:1
20088 H30 Type 2 Loadcenter Details.dwg
SPECIFICATIONS
SCALE: NTS
COMPUTER DESIGNATION



LOAD CENTER ONE LINE DIAGRAM
AND SELECTOR SWITCH WIRING



TYPE 2 LOAD CENTER
DUAL POST



TYPE 3 LOAD CENTER

WIRING NOTES:

1. FURNISH ALL EQUIPMENT NOTED IN THE LOAD CENTER SUMMARY, PLUS TWO 20-AMP 2-POLE SPARE CIRCUIT BREAKERS, AND SPACE FOR A MINIMUM OF TWO ADDITIONAL TWO-POLE CIRCUIT BREAKERS, IN EACH LOAD PANEL. SEE SUMMARIES FOR LOAD PANEL VOLTAGES, CURRENT RATINGS, SHORT CIRCUIT INTERRUPTING RATINGS, AND THE NAME OF THE SERVING UTILITY.
2. SIZE THE TYPE 2 AND 3 LOAD CENTER CABINETS TO HOLD THE EQUIPMENT SHOWN IN THE WIRING DIAGRAM AND DETAILED IN EACH LOAD CENTER SUMMARY, ALLOWING SPACE FOR WIRING PER THE NATIONAL ELECTRICAL CODE. INSTALLING A METER BASE AND MAIN BREAKER IN A SEPARATE ENCLOSURE IS ALLOWABLE. HOWEVER IN THIS CASE, FURNISH A BREAKER PANEL WITH A MAIN BREAKER.
3. LABEL ALL CIRCUIT BREAKERS AS TO FUNCTION AND POSITION. LABEL THE SELECTOR SWITCH "LIGHTING" AND ITS POSITIONS "ON-OFF-AUTO".
4. THE VOLTAGE FOR THE PHOTOELECTRIC CONTROL EQUIPMENT SHALL BE 240-VOLT, DERIVED FROM THE SERVICE VOLTAGE, OR FROM A CONTROL TRANSFORMER.
5. PROVIDE 1-POLE CIRCUIT BREAKER ON 240/480 VOLT LOAD CENTERS AND 2-POLE CIRCUIT BREAKER ON 120/240 VOLT LOAD CENTERS.
6. LABEL ALL CIRCUIT BREAKERS AS TO FUNCTION AND POSITION.
7. INSTALL TWIST LOCK AND TIME DELAYED PHOTOELECTRIC CONTROLL UNIT ON THE LOAD CENTER AT A HEIGHT OF 18"-24" TO PREVENT BEING COVERED BY SNOW. THE CONTROLL UNIT SHALL FACE NORTH AND/OR AWAY FROM ARTIFICIAL LIGHT SOURCES THAT MAY INTERFERE WITH NATURAL AMBIENT LIGHT CONTROL. CONNECT THRU SIDE OF LOAD CENTER WITH TYPE LB CONDUIT FITTING AND RAIN TIGHT LOCK NUTS. SECURE AS REQUIRED.
8. STORE A SCHEMATIC DIAGRAM, A CIRCUIT DIRECTORY, AND A MATERIALS LIST INCLUDING THE MANUFACTURERS' NAMES AND PART/CATALOG NUMBERS, ALL LAMINATED IN PLASTIC, IN A METAL POCKET ATTACHED TO THE INSIDE OF THE LOAD CENTER.
9. WHEN METAL HALIDE OR MERCURY VAPOR LAMPED FIXTURES ARE USED, PROVIDE A REMOTE BULB THERMOSTAT, SO THAT THE CONTACT CLOSES AND THE LIGHTS TURN ON WHEN THE TEMPERATURE DROPS TO 15°F. WIRE THERMOSTAT SO THAT ITS CONTACT IS PARALLEL THE CONTACT IN THE PHOTOELECTRIC CELL.

INSTALLATION NOTES:

1. INSTALL TYPE 3 LOAD CENTER POLES OF SUFFICIENT LENGTH TO PROVIDE THE FOLLOWING MINIMUM GROUND TO SERVICE CONDUCTOR CLEARANCE:
   A. 18.5 FEET, IF THE SERVICE CONDUCTORS ARE LOCATED ABOVE ROADWAYS OR PARKING AREAS.
   B. 26.5 FEET, IF THE SERVICE CONDUCTORS ARE LOCATED WITHIN 20 FEET OF A RAILROAD TRACK.
   C. 18.5 FEET IN ALL OTHER CIRCUMSTANCES.
2. SET THE BUTT END OF TYPE 3 LOAD CENTER POLES TO THE FOLLOWING MINIMUM DEPTH:
   A. 10 PERCENT OF ITS LENGTH PLUS 24 INCHES, OR 60 INCHES, WHICHEVER IS GREATER, IF IT IS INSTALLED IN EARTH OTHER THAN SOLID ROCK OR MUSKEG.
   B. 10 PERCENT OF ITS LENGTH, OR 48 INCHES, WHICHEVER IS GREATER, IF IT IS INSTALLED IN SOLID ROCK.
   C. CONSIDER MUSKEG TO BE AIR, AND SET THE BUTT ENDS TO THE DEPTH GIVEN IN A OR B, WHICHEVER APPLIES, IN THE UNDERLYING EARTH OR ROCK.

   WHENEVER MORE THAN 24 INCHES OF EARTH OVERLAYS ROCK, OR THE DIAMETER OF THE DRILLED HOLE IN ROCK EXCEEDS TWICE THE DIAMETER OF THE POLE AT THE GROUND LINE, CONSIDER THE INSTALLATION AS EARTH.
3. ATTACH ALL CONDUITS TO THE POSTS AND POLES USING TWO HOLE RIGID METAL CONDUIT STRAPS LOCATED ON 24 INCHES MAXIMUM CENTERS.
4. ATTACH ALL GROUND CONDUCTORS TO THE POSTS AND POLES USING CABLE STAPLES LOCATED ON 12 INCH CENTERS. MAKE ALL GROUNDING CONDUCTORS CONTINUOUS. USE #4 AWG GROUND WIRE FOR 200 AMP SERVICE.

UTILITY REQUIREMENTS:

1. THE LENGTH AND TYPE OF SERVICE ENTRANCE CONDUIT INSTALLED BY THE CONTRACTOR VARIES BY UTILITY. REGARDLESS OF ITS LENGTH, INSTALL A PULL ROPE IN THE SERVICE CONDUIT AND A CAP ON THE BURIED END: MARK THE BURIED END WITH A 2"x6" STAKE. SEE THE LOAD CENTER SUMMARIES FOR THE FOLLOWING INFORMATION.

A. STATION AND OFFSET OF THE LOAD CENTER AND POWER SOURCE.

B. WHERE THE CONTRACTOR TERMINATES THE SERVICE ENTRANCE CONDUIT.

C. THE TYPE OF SERVICE ENTRANCE CONDUIT (SUCH AS RIGID METAL CONDUIT OR LIQUID-TIGHT FLEXIBLE METAL CONDUIT).

D. THE MAXIMUM AND MINIMUM DISTANCES ALLOWED BETWEEN THE TYPE-3 LOAD CENTER POLE AND UTILITY POLE TO WHICH THE AERIAL DROP IS CONNECTED.

2. VERTICAL CLEARANCE FOR SERVICE-DROP CONDUCTORS IN ACCORDANCE WITH NEC 230.24(B).

STATE OF ALASKA
49TH
William McDonald
EE 7879
REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY
CRW ENGINEERING GROUP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

AMATS: OLD GLENN HIGHWAY
S. BIRCHWOOD LOOP TO
PETERS CREEK

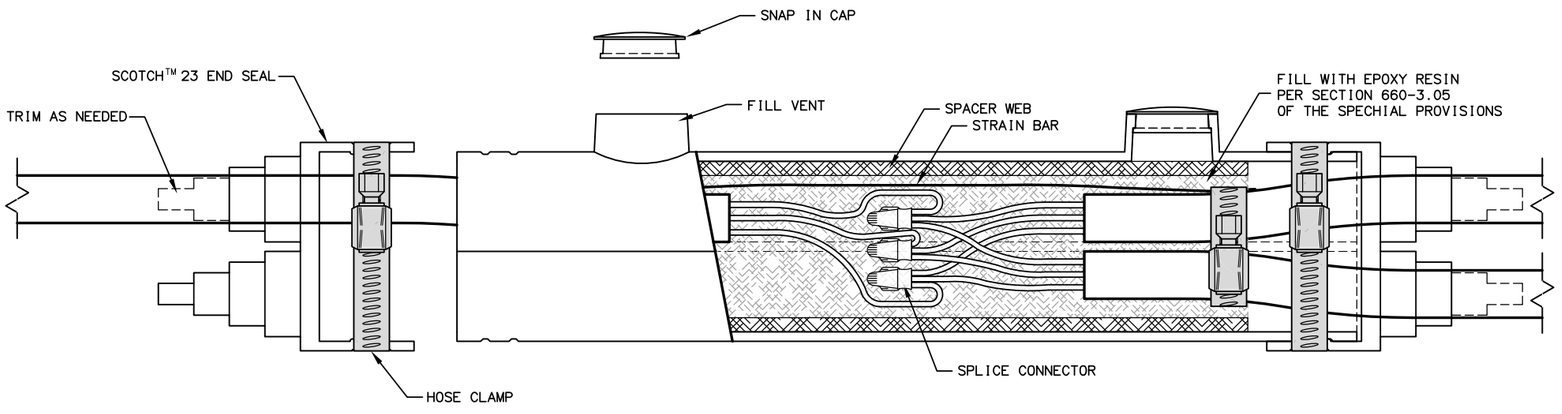
TYPE 2 & 3 LOAD CENTER
DETAILS

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	STP-0558(X)/50946	2009	H31	H38

NOTES:

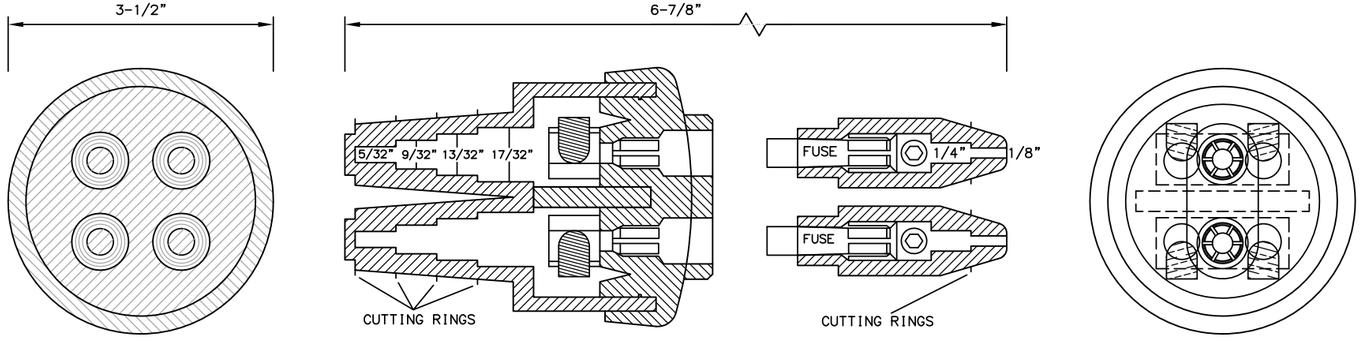
POWER CABLE SPLICE

1. SECURE CABLE/CONNECTOR BUNDLE WITH HOSE CLAMPS AS SHOWN.



POWER CABLE SPLICE

MATERIAL PROPERTIES	
POWER CABLE SPLICE	
SPLICE KIT	3M MODEL 78R OR APPROVED EQUAL
SPLICE CONNECTOR	SCOTCHLOCK G, R, OR Y SPRING CONNECTOR
HOSE CLAMP	(4) - STAINLESS STEEL
EPOXY RESIN	PER SECTION 660-3.5 OF THE SPECIAL PROVISIONS
DOUBLE FUSED CONNECTOR	
DOUBLE FUSED CONNECTOR	SEC-1791-DF-1 OR APPROVED EQUAL
FUSES	(2) - COMPATIBLE 10-AMP



DOUBLE FUSED CONNECTOR

PLANS DEVELOPED BY
CRW ENGINEERING GROUP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

AMATS: OLD GLENN HIGHWAY S. BIRCHWOOD LOOP TO PETERS CREEK

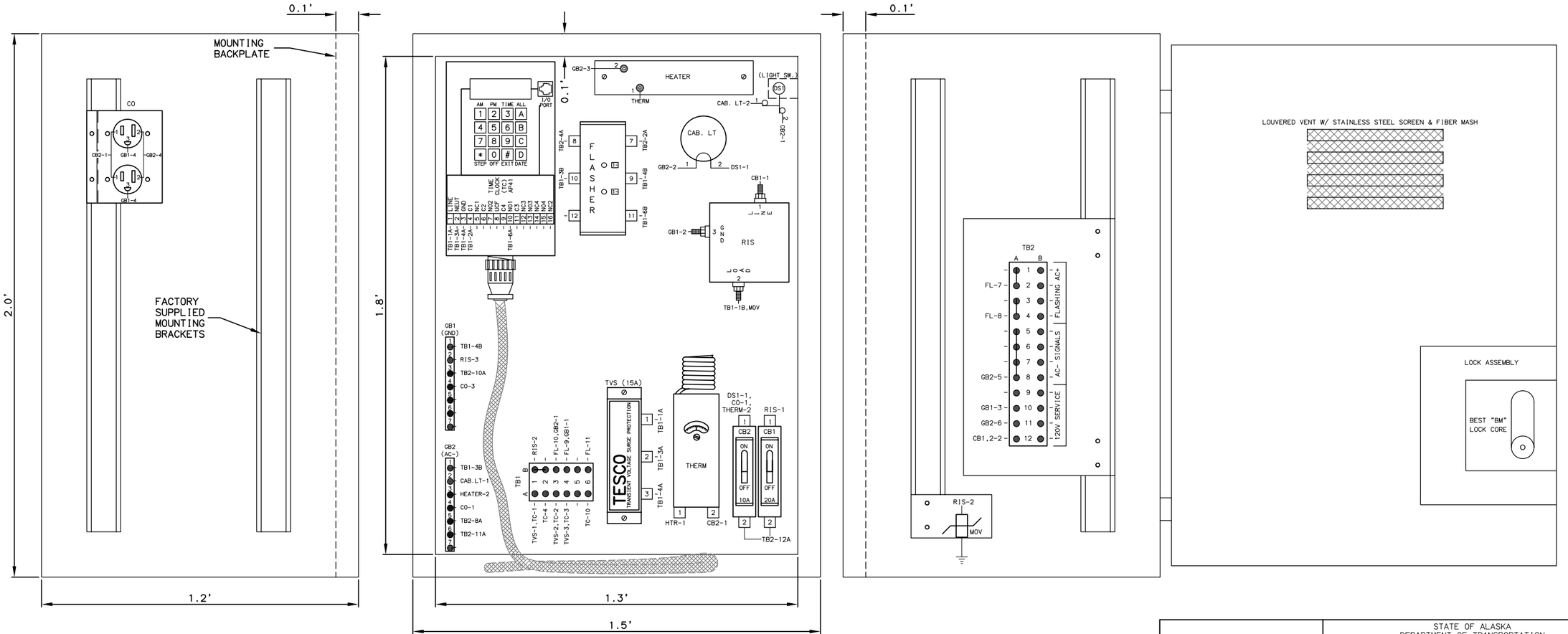
SPLICE DETAILS

DESIGNED BY CRW
CHECKED BY CRW
DRAFTED BY MEF
DATE DRAFTED: 07/31/09
LAYOUT: H31
PLOT SCALE: 1:1
20088 H31 SPLICE_DETAILS.dwg
SPECIFICATIONS
SCALE: NTS
COMPUTER DESIGNATION

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION					
			ALASKA	STP-0558(X)/50946	2009	H32	H38

NOTES:

1. LEAVE THREE FEET OF SLACK WIRE FROM CONTROLLER (TIME SWITCH) IN CABINET.
2. NEATLY WRAP AND/OR SECURE ALL WIRING IN CABINET.
3. FURNISH AN UNPAINTED NEMA 3R ENCLOSURE CONSTRUCTED OF 1/8" THICK ALUMINUM TYPE 5052-H32.
4. MANUFACTURER SUPPLIED WIRING DIAGRAM AND CONTROLLER MANUAL SHALL BE PROVIDED BY CONTRACTOR AND LOCATED IN DOOR POUCH, ALSO TO BE SUPPLIED.
5. CABINET IS TO INCLUDE ALL EQUIPMENT SHOWN AND NEEDED FOR OPERATION INCLUDING THE FALLOWING OR APPROVED EQUALS:
   A. ONE RTC MODEL AP41 TIME SWITCH
   B. ONE TESCO 15A TRANSIENT VOLTAGE SUPPRESSOR
   C. ONE RADIO INTERFERENCE SUPPRESSOR
   D. ONE NEMA TYPE 3 DUAL CIRCUIT FLASHER
   E. ONE 10A AND ONE 20A CIRCUIT BREAKERS
   F. ONE COIL BULB THERMOSTAT AND HEATER
6. WIRING DIAGRAM IS FOR GENERAL LAYOUT PURPOSE ONLY. ADDITIONAL WIRING TO TIME CLOCK AND/OR CABINET MAY BE REQUIRED AS CALLED FOR IN PLANS AND SPECS.



PLANS DEVELOPED BY
CRW ENGINEERING GROUP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

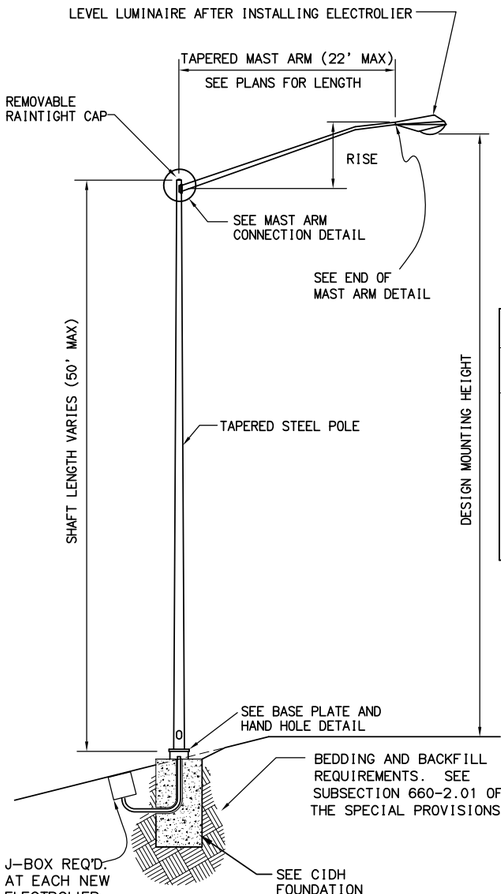
AMATS: OLD GLENN HIGHWAY S. BIRCHWOOD LOOP TO PETERS CREEK

FLASHER CABINET DETAIL & WIRING

DESIGNED BY CRW
CHECKED BY CRW
DRAFTED BY REF
DATE DRAFTED: 07/31/09
LAYOUT: H32
PLOT SCALE: 5:1
20088 H32 FLASHER_CABINET.dwg
SPECIFICATIONS
SCALE: NTS
COMPUTER DESIGNATION

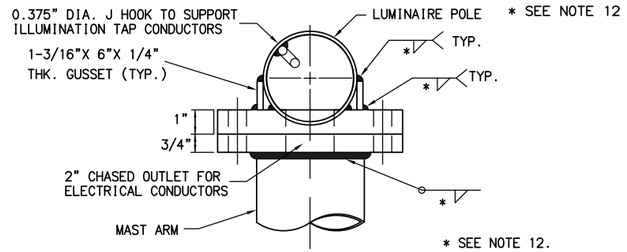
REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	STP-0558(X)/50946	2009	H33	H38

DESIGNED BY CRW
CHECKED BY CRW
DRAFTED BY WEF
DATE DRAFTED: 07/31/09
LAYOUT: H33
PLOT SCALE: NTS
25088 H33 LIGHTING_STANDARD.dwg
SPECIFICATIONS
SCALE: NTS
COMPUTER DESIGNATION

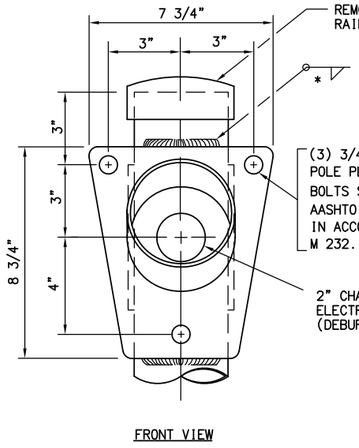


ELECTROLIER ELEVATION

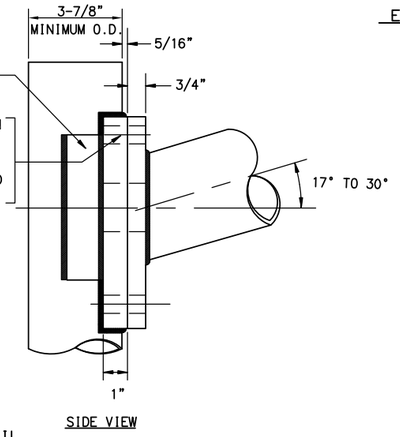
MAST ARM DATA	
LENGTH	RISE
4'	1'-3"
6'	1'-9"
8'	2'-6"
10'	2'-9"
12'	3'-10"
15'	4'-6"
18'	5'-0"
20'	5'-10"
22'	6'-0"



TOP VIEW

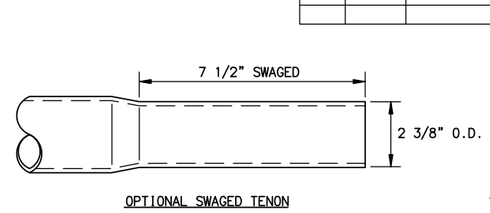


FRONT VIEW

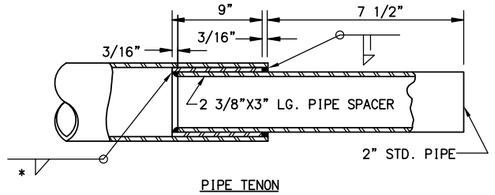


SIDE VIEW

MAST ARM CONNECTION DETAIL



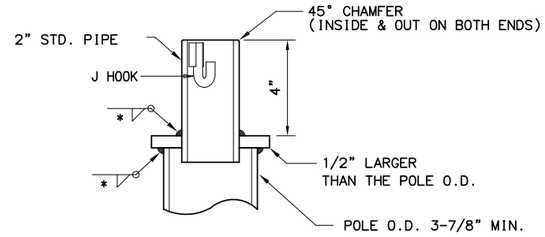
OPTIONAL SWAGED TENON



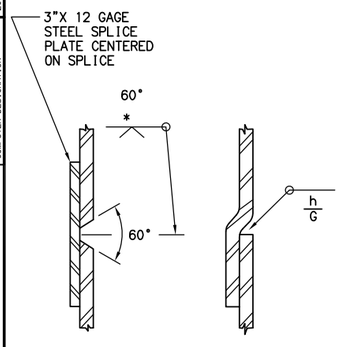
PIPE TENON

* SEE NOTE 12.

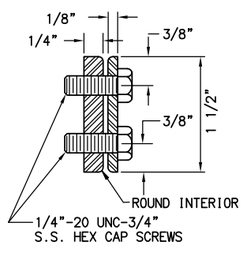
END OF MAST ARM DETAIL



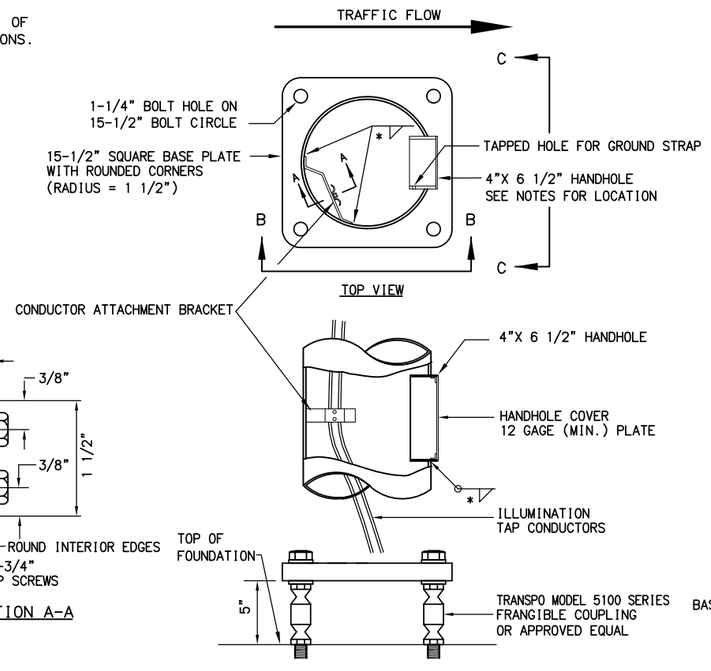
OFFSET LIGHTING STANDARD POLE TOP DETAIL
(CUTAWAY FOR CLARITY)



SPILCE DETAIL
* SEE NOTE 12

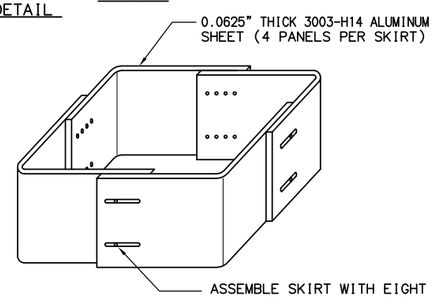


SECTION A-A

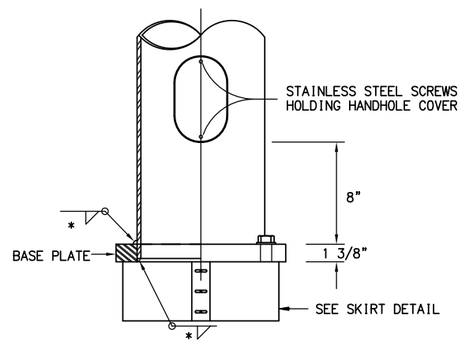


VIEW B-B

BASE PLATE AND HAND HOLE DETAIL



SKIRT DETAIL



VIEW C-C

* SEE NOTE 12

NOTES:

1. DESIGN AND FABRICATE ALL SHAFTS TO SUPPORT A MAST ARM 22 FEET LONG WITH LUMINAIRE. ASSUME EACH LUMINAIRE WEIGHS 55 POUNDS AND HAS AN EFFECTIVE PROJECTED AREA OF 1.2 SQUARE FEET. WITH THIS DEAD LOAD, LIMIT THE ANGULAR ROTATION TO THE POLE TOP 1° 40" MAXIMUM.
2. MOUNTING HEIGHT, IF SPECIFIED IN THE PLANS, REFERS TO THE HEIGHT OF LUMINAIRE ABOVE THE ROADWAY. ADJUST EACH POLE'S SHAFT LENGTH TO MAINTAIN THIS DIFFERENCE IN ELEVATION WHENEVER SLOPE AND/OR OFFSET VARIES.
3. MINIMUM OUTSIDE DIAMETER AT THE TOP OF POLE EQUALS 3.875". POLE DIAMETER SHALL THEN TAPER UNIFORMLY FROM THE TOP OF POLE TO THE BASE PLATE.
4. APPLY AN ANTI-SEIZING COMPOUND TO ALL THREADED SURFACES, INCLUDING THOSE IN THE ANCHOR PLATE AND ON THE COUPLINGS.
5. MAST ARM RISE MAY VARY ±0.5' FROM THE VALUES LISTED IN THE TABLE.
6. LOCATE THE HANDHOLE AT 90 DEGREES TO THE MAST ARM ON THE SIDE OF POLE DOWNSTREAM FROM TRAFFIC FLOW.
7. FURNISH ALL POLES WITH A J-HOOK TO SUPPORT THE ILLUMINATION TAP CONDUCTORS, AND ALL MAST ARM POLES WITH A REMOVABLE RAINTIGHT CAP.
8. MOUNT LIGHTING STANDARDS UPON TRANSPO MODEL NO. 5100 FRANGIBLE COUPLINGS AND TRANSPO TYPE B FEMALE ANCHORS, OR APPROVED EQUAL.
9. INSTALL ALL COMPONENTS OF THE BREAKAWAY SUPPORT SYSTEM IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS.
10. FABRICATE THE SKIRT FROM FOUR PIECES OF 0.0625 INCH THICK 3003 H-14 ALUMINUM SHEET. BEND EACH PLATE TO PROVIDE CORNERS WITH A 3/4" RADIUS. ASSEMBLE THE SKIRT WITH #10 X 5/8" SELF TAPPING STAINLESS SCREWS OR POP RIVETS. THE ASSEMBLED SKIRT MEASURES ABOUT 12-3/4" SQUARE.
11. INSTALL THE JUNCTION BOX ON THE LEFT SIDE OF THE FOUNDATION (WHEN VIEWED FROM ROADWAY CENTERLINE) AND IMMEDIATELY BEHIND THE FOUNDATION.
12. WELD SIZE TO BE DETERMINED BY MANUFACTURER.

REPLACES STANDARD DRAWIGN L-03.10

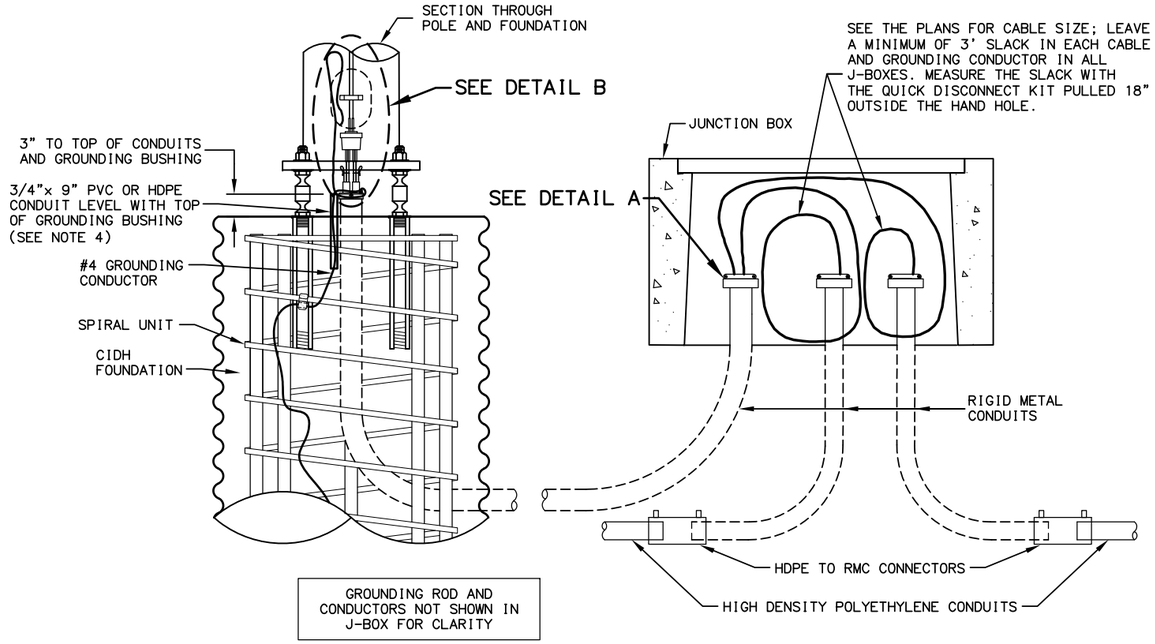
PLANS DEVELOPED BY
CRW ENGINEERING GROUP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

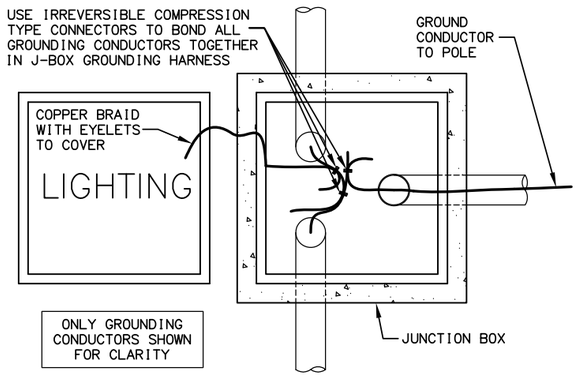
AMATS: OLD GLENN HIGHWAY S. BIRCHWOOD LOOP TO PETERS CREEK

LIGHTING STANDARDS

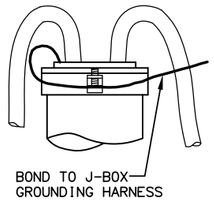
REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	STP-0558(X)/50946	2009	H34	H38



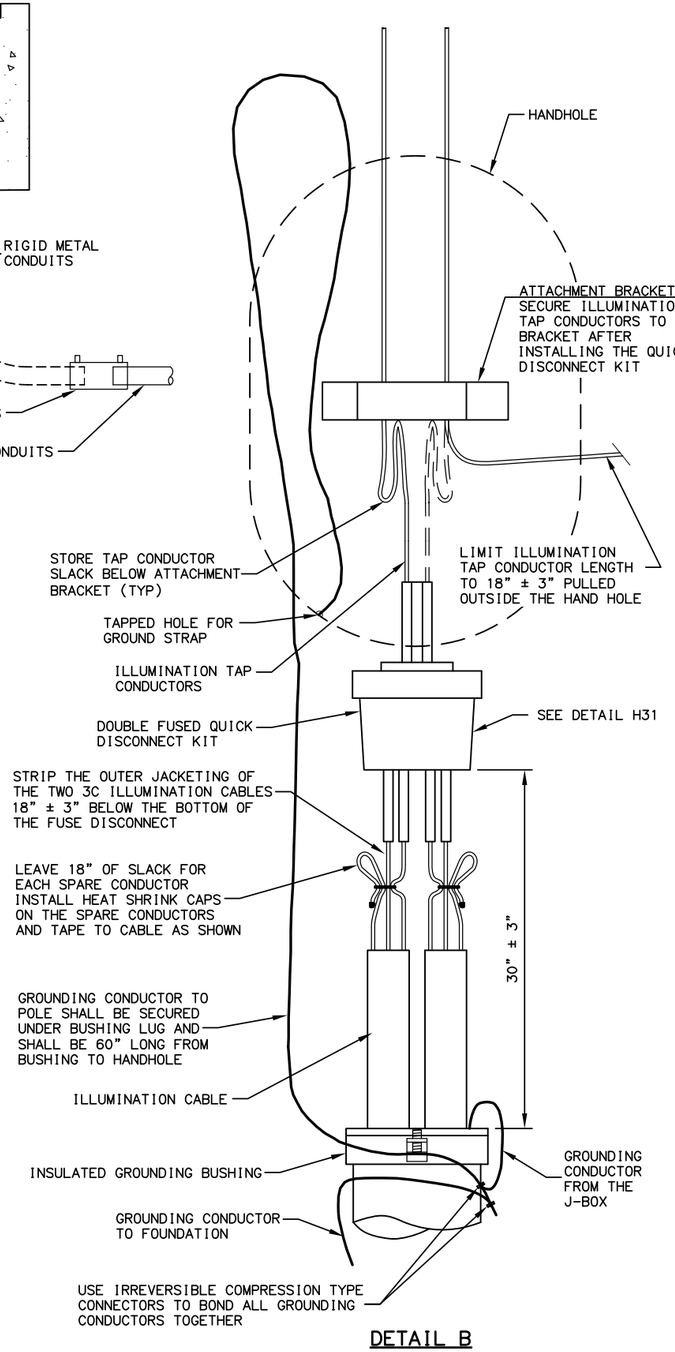
LIGHTING SYSTEM POLE AND J-BOX WIRING DETAILS



GROUNDING CONDUCTOR BONDING CONNECTIONS



DETAIL A



DETAIL B

NOTES:

1. APPLICATION FOR SLIP BASE IS THE SAME EXCEPT FOR BONDING. SEE SUBSECTION 660-3.06 FOR BONDING.
2. LABEL ALL CABLES AND CONDUCTORS IN POLE BASE AND J-BOX. SEE SUBSECTION 660-3.05.
3. MAKE ALL GROUNDING AND BONDING WIRE #8 AWG, EXCEPT IN THOSE CONDUITS THAT CONTAIN CIRCUIT CONDUCTORS LARGER THAN #8 AWG. IN THIS CASE USE WIRE EQUAL IN SIZE TO THE LARGEST CONDUCTOR. THE GROUNDING CONDUCTOR TO THE FOUNDATION SHALL BE #4 AWG.
4. USE LISTED IRREVERSIBLE COMPRESSION TYPE CONNECTORS SIZED FOR EACH APPLICATION AND INSTALLED PER MANUFACTURERS SPECIFICATIONS.
5. PROTECT GROUND WIRE WITH 3/4 INCH PVC OR HDPE CONDUIT TO 6 INCHES BELOW TOP OF FOUNDATION FILLED WITH SILICONE SEALANT.

DESIGNED BY CRW
CHECKED BY CRW
DRAFTED BY MEF
DATE DRAFTED: 07/31/09
N/A
LAYOUT: H34
PLOT SCALE: NTS
20088 H34 Light Pole Details.dwg
COMPUTER DESIGNATION
SCALE: NTS
SPECIFICATIONS

STATE OF ALASKA
49TH
William McDonald
EE 7879
REGISTERED PROFESSIONAL ENGINEER

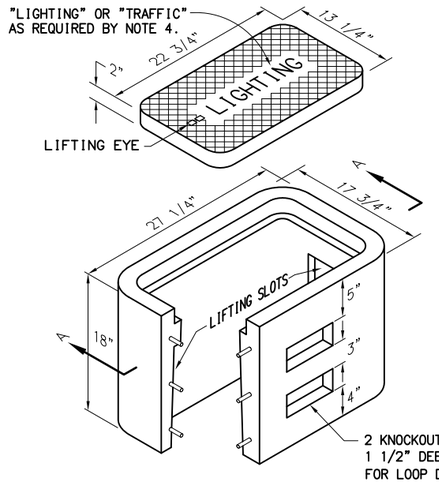
PLANS DEVELOPED BY
CRW ENGINEERING GROUP

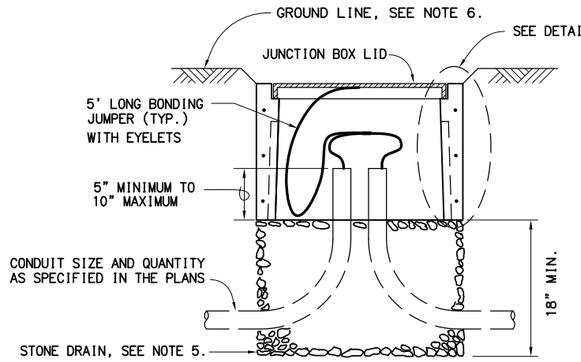
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

AMATS: OLD GLENN HIGHWAY
S. BIRCHWOOD LOOP TO
PETERS CREEK

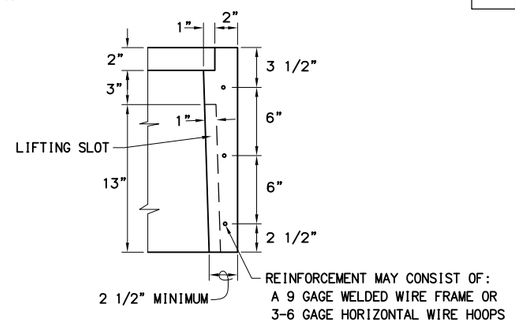
LIGHT POLE
FUSE TAP DETAIL

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	STP-0558(X)/50946	2009	H35	H38





SECTION A-A

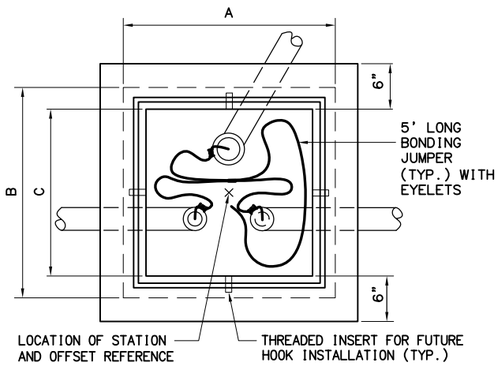


DETAIL A

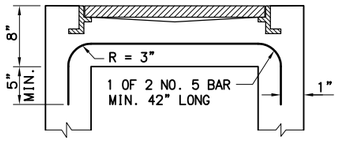
TYPE IA JUNCTION BOX

NOTES:

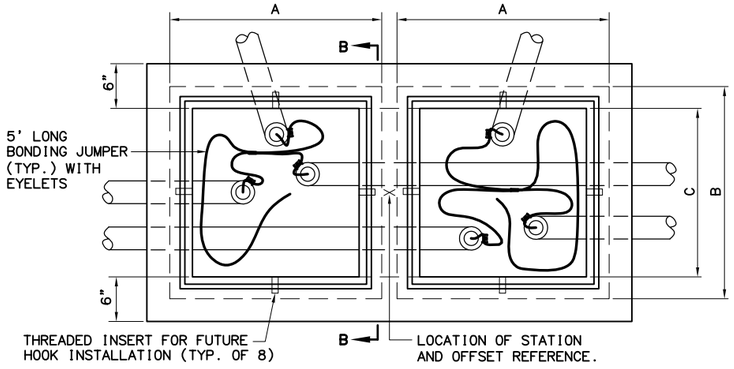
1. AVOID INSTALLING TYPE IA JUNCTION BOXES IN DRIVEWAYS OR IN LOCATIONS SUBJECT TO USE BY HEAVY TRUCKS. INSTALL JUNCTION BOXES ONLY AT THE LATERAL LOCATIONS ALLOWED IN SUBSECTION 660-3.04.
2. FURNISH TYPE II, III AND IV JUNCTION BOXES WITH CAST IRON FRAMES AND LIDS THAT WEIGH A MINIMUM OF 210 POUNDS AND ARE RATED FOR HEAVY TRAFFIC LOADS IN COMPLIANCE WITH AASHTO M306. FURNISH TYPE IA JUNCTION BOXES WITH CAST IRON LIDS THAT WEIGH A MINIMUM OF 50 POUNDS.
3. CONSTRUCT JUNCTION BOXES ACCORDING TO SECTION 501 USING CLASS A CONCRETE. REINFORCE TYPE IA JUNCTION BOXES AS SHOWN OR CONSTRUCT THEM WITH SYNTHETIC STRUCTURAL FIBER-REINFORCED CONCRETE THAT MEETS ASTM C 1116 AND CONTAINS FIBER IN PROPORTIONS AS RECOMMENDED BY THE FIBER MANUFACTURER.
4. FOR JUNCTION BOXES THAT CONTAIN ILLUMINATION CONDUCTORS EXCLUSIVELY, FURNISH LIDS WITH THE WORD LIGHTING INSCRIBED INTO THEM. FOR OTHER JUNCTION BOXES, FURNISH LIDS WITH THE WORD TRAFFIC INSCRIBED INTO THEM.
5. UNDER JUNCTION BOXES, INSTALL STONE DRAINS THAT CONSIST OF COARSE AGGREGATE FOR PORTLAND CEMENT CONCRETE CONFORMING TO SUBSECTION 703-2.02.
6. SET THE TOPS OF JUNCTION BOXES THE FOLLOWING DIMENSIONS BELOW THE FINISHED SURROUNDING SURFACE: 1" IN PAVED MEDIANS AND ADJACENT TO PEDESTRIAN FACILITIES, 1/4" IN PEDESTRIAN FACILITIES, AND 2" IN ALL OTHER AREAS.
7. BOND JUNCTION BOX LIDS TO THE SYSTEM OF EQUIPMENT GROUNDING CONDUCTORS ACCORDING TO SUBSECTION 660-3.06. ATTACH BONDING JUMPERS TO THE JUNCTION BOX LIDS WITH BRASS OR STAINLESS STEEL HARDWARE.
8. INSTALL LOOP DETECTOR TAILS THRU ONE OF THE KNOCKOUTS OF TYPE 1A JUNCTION BOXES. AFTER SETTING THE BOXES TO GRADE, INSTALL GROUT IN THE GAPS THAT REMAIN IN THE KNOCKOUT.
9. INSTALL A 1/2" THICK PREFORMED BITUMINOUS JOINT MATERIAL AROUND JUCTION BOXES INSTALLED IN PORTLAND CEMENT CONCRETE WALKWAYS.
10. INSTALL AN ELECTRONIC MARKER BALL IN ALL JUNCTION BOXES PER SUBSECTION 660-3.04.



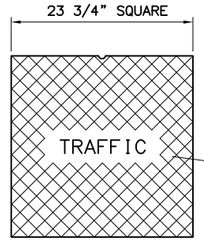
PLAN



SECTION B-B

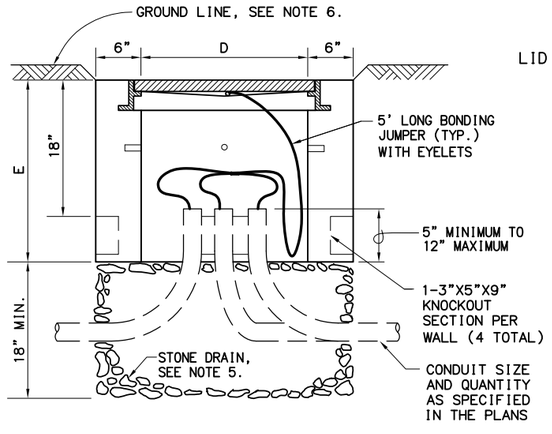


PLAN



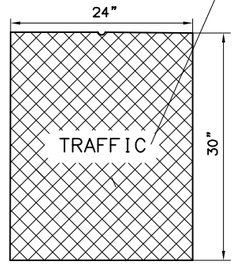
LID FOR TYPE II & III J-BOXES

"LIGHTING" OR "TRAFFIC" AS REQUIRED BY NOTE 4.

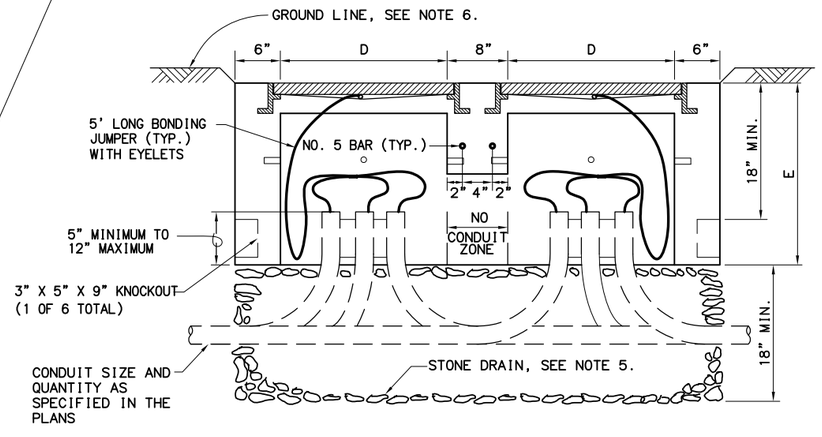


TYPE II JUNCTION BOX

ELEVATION



LID FOR TYPE IV J-BOXES



TYPE III/IV JUNCTION BOX

ELEVATION (TYPE III LAYOUT DEPICTED)

J-BOX DIMENSIONS

J-BOX TYPE	DIMENSIONS				
	A (MAX.)	B (MAX.)	C (MIN.)	D (MIN.)	E (MIN.)
II	29 1/2"	29 1/2"	22"	22"	24"
III	29 1/2"	29 1/2"	22"	22"	24"
IV	30"	36"	30"	24"	30"

PLANS DEVELOPED BY CRW ENGINEERING GROUP

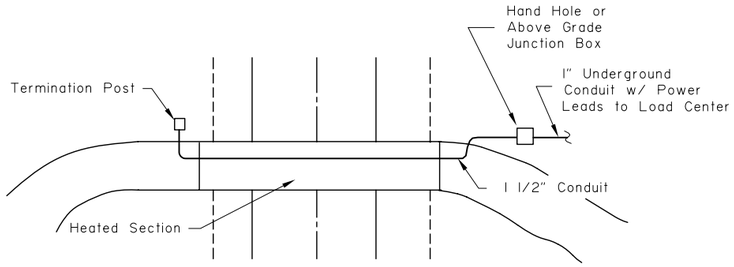
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

AMATS: OLD GLENN HIGHWAY S. BIRCHWOOD LOOP TO PETERS CREEK

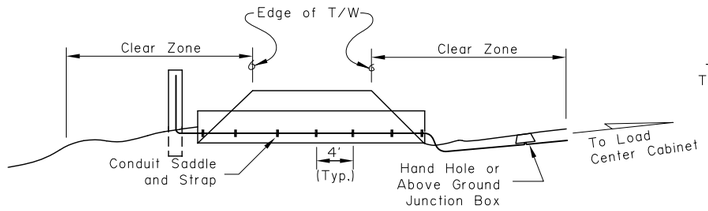
JUNCTION BOX DETAILS

DESIGNED BY CRW
CHECKED BY CRW
DRAFTED BY MEF
DATE DRAFTED: 07/31/09
LAYOUT: H35
PLOT SCALE: NTS
20068 H35 JBOX Details.dwg
SPECIFICATIONS
SCALE: NTS
COMPUTER DESIGNATION

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	STP-0558(X)/50946	2009	H36	H38

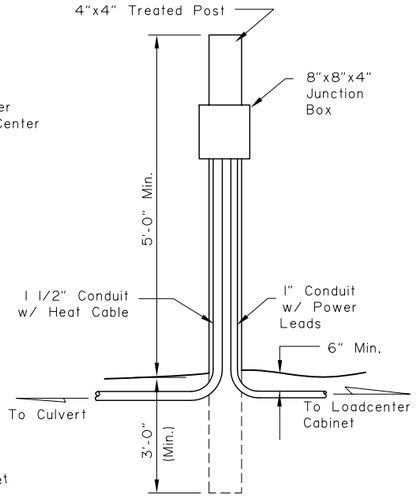


PLAN



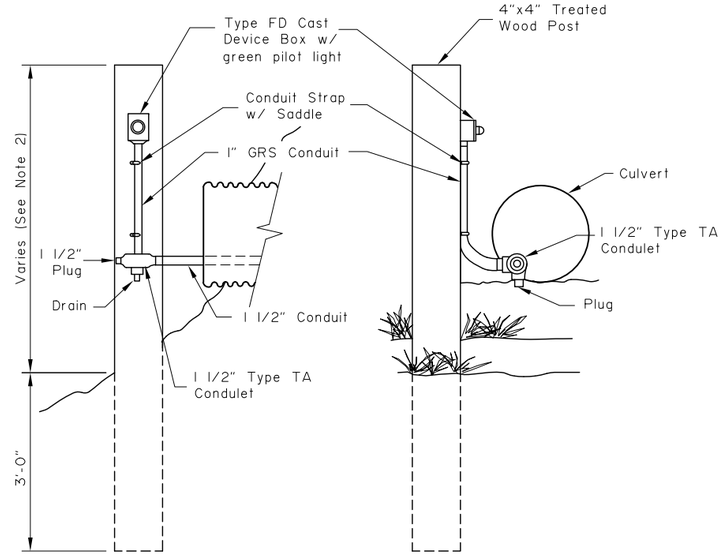
PROFILE

TYPICAL SITE PLAN



ABOVE GRADE JUNCTION BOX

Note: Requires two support posts if in Matanuska Electric Association service area.



FRONT VIEW PROFILE VIEW

TERMINATION POST DETAIL

GENERAL NOTES:

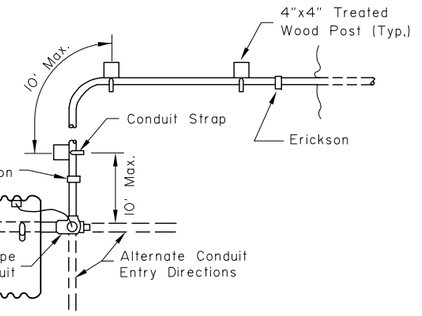
2. Caution Sign shall be mounted to the side of treated posts facing highway at the culvert entry and exit and at the Loadcenter Cabinet.

3. See Alaska Highway Preconstruction Manual for 'Clear Zone' requirements.

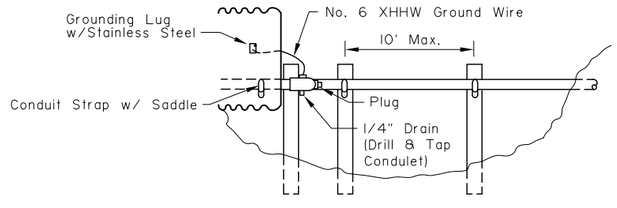
Green Pilot Light: 120-VDC, NEMA-4, Label: Heat Trace "ON".

Thaw Wire: Self limiting 10-watts/foot @ 240-VAC, max surface temperature 150° F, maximum length for use with a 30-AMP circuit breaker starting at 0° F - 160 feet, BOD: Raychem 10BTV2.

BOP - Basis of design

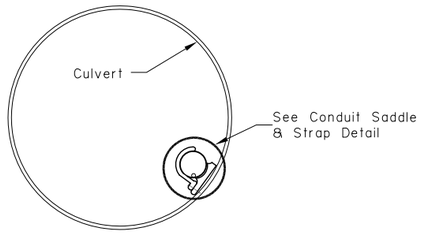


PLAN VIEW

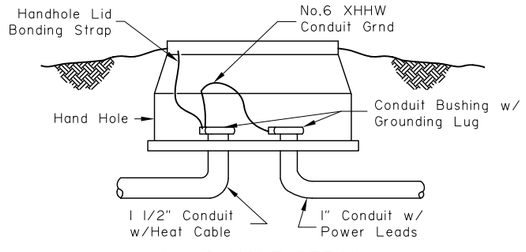


ELEVATION

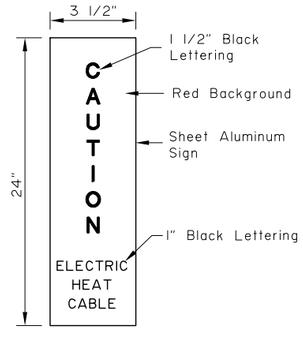
CULVERT ENTRY DETAIL



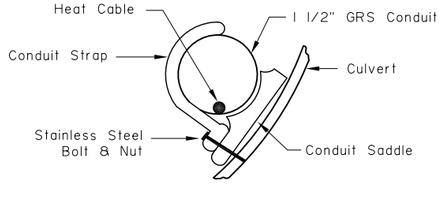
CULVERT CROSS SECTION



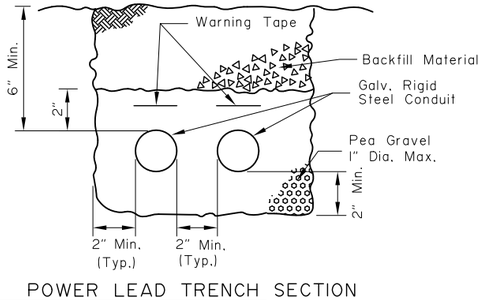
HAND HOLE DETAIL



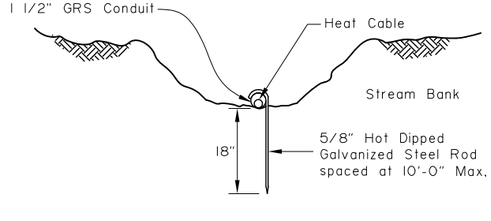
CAUTION SIGN



CONDUIT SADDLE & STRAP DETAIL



POWER LEAD TRENCH SECTION



HEAT CABLE TRENCH DETAIL

STATE OF ALASKA 49TH
Michael L. Stoianoff EE 6391
REGISTERED PROFESSIONAL ENGINEER

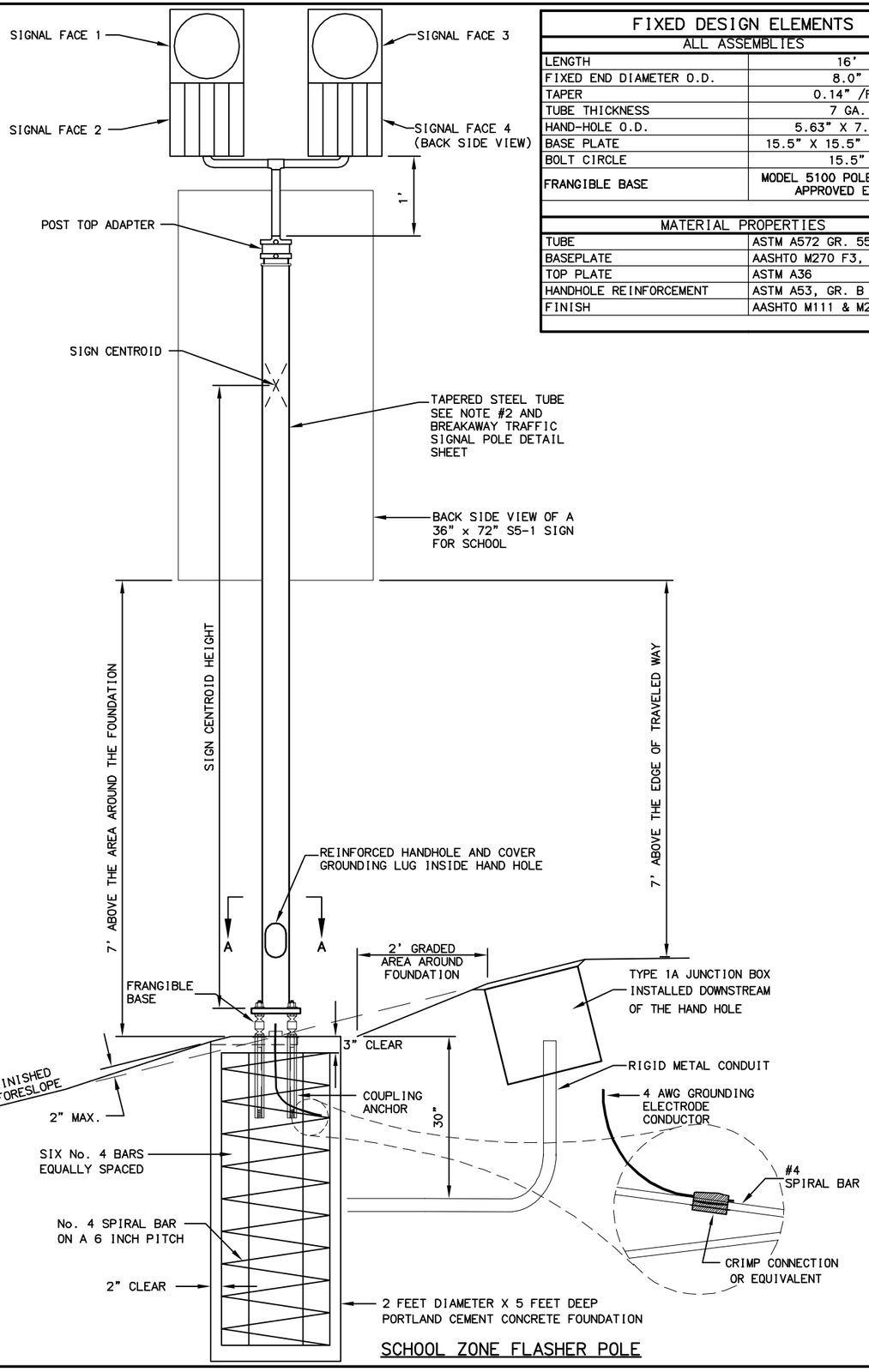
PLANS DEVELOPED BY CRW ENGINEERING GROUP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

AMATS: OLD GLENN HIGHWAY S. BIRCHWOOD LOOP TO PETERS CREEK

HEAT TAPE DETAILS

DESIGNED BY
CHECKED BY
DRAFTED BY
DATE DRAFTED: 07/31/09
LAYOUT: H36
SPECIFICATIONS
D-13.10
SCALE: NTS
PLOT SCALE: NTS
COMPUTER DESIGNATION
20084 H36 Heat Tape Details.dwg



SCHOOL ZONE FLASHER POLE

FIXED DESIGN ELEMENTS	
ALL ASSEMBLIES	
LENGTH	16'
FIXED END DIAMETER O.D.	8.0"
TAPER	0.14" /FT
TUBE THICKNESS	7 GA.
HAND-HOLE O.D.	5.63" X 7.31"
BASE PLATE	15.5" X 15.5" X 1.375"
BOLT CIRCLE	15.5"
FRANGIBLE BASE	MODEL 5100 POLE SAFE OR APPROVED EQUAL
MATERIAL PROPERTIES	
TUBE	ASTM A572 GR. 55
BASEPLATE	AASHTO M270 F3, GR 50
TOP PLATE	ASTM A36
HANDHOLE REINFORCEMENT	ASTM A53, GR. B
FINISH	AASHTO M111 & M232

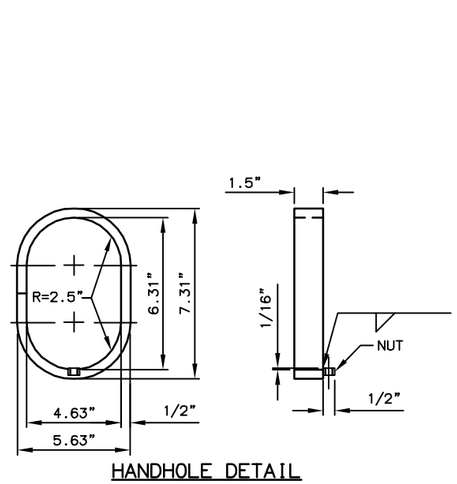
MODEL B-525 BRACKET OPTIONS	
SIGN CENTROID HEIGHT	USE
12' TO 29'	BRACKET NO. 1
9' TO 12'	BRACKET NO. 2
9' & LESS	BRACKET NO. 3

POLE DESIGN LOADING		
LOAD COMPONENT	EFFECTIVE AREA SQ. FT.	WEIGHT LBS.
1 = FLASHING BEACONS	4.4	60
2 = SIGN	18	30

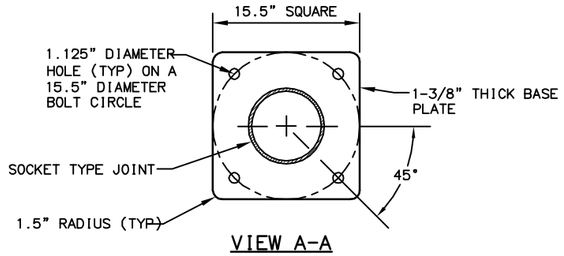
REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION					
			ALASKA	STP-0558(X)/50946	2009	H37	H38

NOTES:

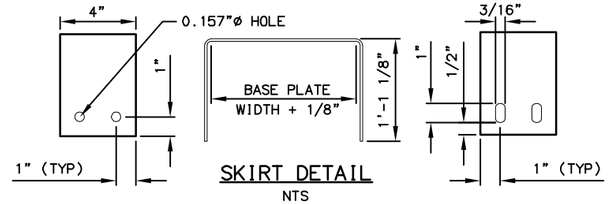
1. DESIGN POLE ASSEMBLIES TO THE 2001 AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS, THE ALASKA STANDARD SPECIFICATIONS, STANDARD MODIFICATIONS, SPECIAL PROVISIONS AND THESE PLANS. DESIGN FOR A BASIC WIND SPEED OF 100 MPH, FATIGUE CATEGORY II.
2. POLES SHALL BE DESIGNED AND FABRICATED TO INCORPORATE ALL FIXED DESIGN ELEMENTS.
3. DESIGN AND FABRICATE TUBES FROM ONE PIECE OF TAPERED STEEL.
4. STEELS GREATER THAN 1/2" THICK SHALL CONFORM TO AASHTO M270M AND SHALL MEET THE FRACTURE CRITICAL CHARPY V-NOTCH IMPACT TEST REQUIREMENTS FOR ZONE 3.
5. INSTALL A 0.625" THICK 3003-H14 ALUMINUM SHEET SKIRT AROUND THE FRANGIBLE COUPLINGS FASTENED WITH STAINLESS SHEET METAL SCREWS.
6. THE DEPARTMENT WILL REJECT DAMAGED OR DEFECTIVE POLES FOR ANY OF THE FOLLOWING, INCLUDING BUT NOT LIMITED TO;
   A. VARIANCES FROM APPROVED SHOP DRAWINGS.
   B. VARIANCES FROM FIXED DESIGN ELEMENTS.
   C. OUT OF ROUND. SECTIONS ARE OUT OF ROUND WHEN THE DIAMETERS OF ROUND MEMBERS EXCEED 2 PERCENT OF THE DIMENSION SPECIFIED ON THE SHOP DRAWINGS.
   D. BOWED WITH SWEEPS EXCEEDING 0.75" INCH THROUGHOUT THE LENGTH OF THE POLE, MASTARM, OR SEGMENT.
   E. DAMAGED OR DENTED FINISHES.
7. WELD SIZE TO BE DETERMINED BY MANUFACTURER.
8. PROVIDE PERMANENT TAGS PER SECTION 740 TABLE 740-1 OF THE SPECIFICATIONS.



HANDHOLE DETAIL
NTS



VIEW A-A
PLAN VIEW OF BASE PLATE
NTS



SKIRT DETAIL
NTS
(TWO REQUIRED PER POLE)

PLANS DEVELOPED BY
CRW ENGINEERING GROUP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

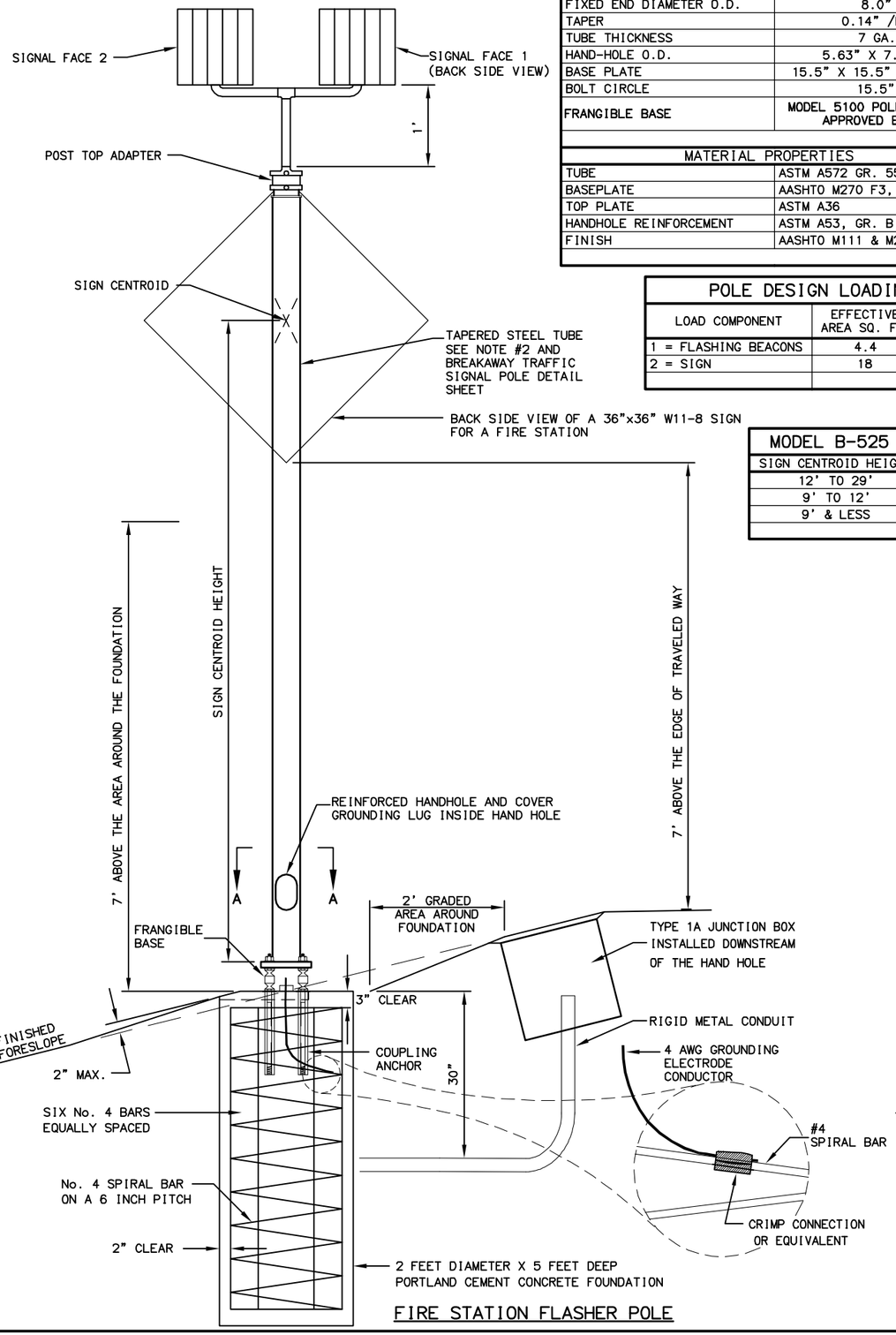
AMATS: OLD GLENN HIGHWAY S. BIRCHWOOD LOOP TO PETERS CREEK

SCHOOL FLASHER POLE DETAIL

DESIGNED BY CWM
CHECKED BY CWM
DRAWN BY WEF
DATE DRAWN: 07/31/09
LAYOUT: H37
PLOT SCALE: NTS
20088 H37-H38 Flasher Pole Details.dwg
SPECIFICATIONS
SCALE: NTS
COMPUTER DESIGNATION

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION					
			ALASKA	STP-0558(X)/50946	2009	H38	H38

DESIGNED BY: CWW
CHECKED BY: CWW
DRAWN BY: WEF
DATE DRAWN: 07/31/09
LAYOUT: HWY
PLOT SCALE: NTS
200688 H37-H38 Flasher Pole Details.dwg
SCALE: NTS
COMPUTER DESIGNATION
SPECIFICATIONS



FIRE STATION FLASHER POLE

FIXED DESIGN ELEMENTS

ALL ASSEMBLIES	
LENGTH	16'
FIXED END DIAMETER O.D.	8.0"
TAPER	0.14" /FT
TUBE THICKNESS	7 GA.
HAND-HOLE O.D.	5.63" X 7.31"
BASE PLATE	15.5" X 15.5" X 1.375"
BOLT CIRCLE	15.5"
FRANGIBLE BASE	MODEL 5100 POLE SAFE OR APPROVED EQUAL

MATERIAL PROPERTIES	
TUBE	ASTM A572 GR. 55
BASEPLATE	AASHTO M270 F3, GR 50
TOP PLATE	ASTM A36
HANDHOLE REINFORCEMENT	ASTM A53, GR. B
FINISH	AASHTO M111 & M232

POLE DESIGN LOADING

LOAD COMPONENT	EFFECTIVE AREA SQ. FT.	WEIGHT LBS.
1 = FLASHING BEACONS	4.4	60
2 = SIGN	18	30

MODEL B-525 BRACKET OPTIONS

SIGN CENTROID HEIGHT	USE
12' TO 29'	BRACKET NO. 1
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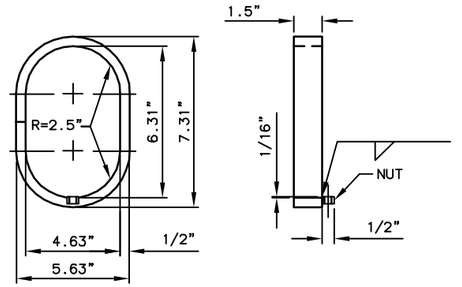
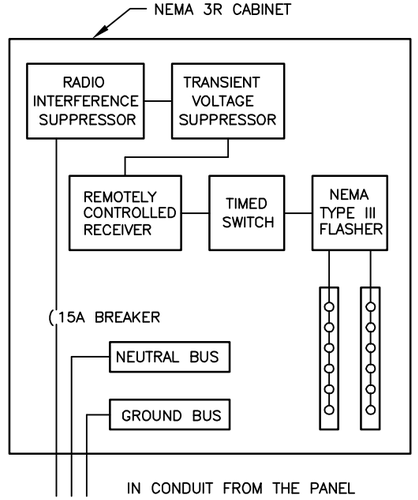
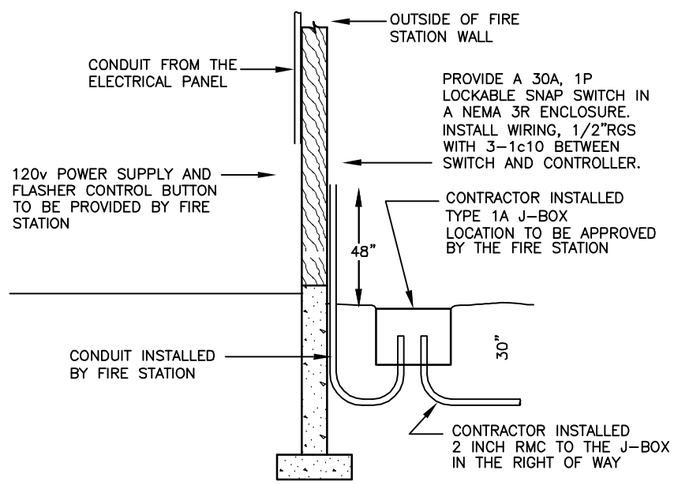
9' & LESS	BRACKET NO. 3



HANDHOLE DETAIL



ONE LINE DIAGRAM FOR FLASHING
BEACON CONTROL UNIT



FIRE STATION - CONTRACTOR WORK INTERFACE

NOTES:

1. DESIGN POLE ASSEMBLIES TO THE 2001 AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS, THE ALASKA STANDARD SPECIFICATIONS, STANDARD MODIFICATIONS, SPECIAL PROVISIONS AND THESE PLANS. DESIGN FOR A BASIC WIND SPEED OF 100 MPH, FATIGUE CATEGORY II.
2. POLES SHALL BE DESIGNED AND FABRICATED TO INCORPORATE ALL FIXED DESIGN ELEMENTS.
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4. STEELS GREATER THAN 1/2" THICK SHALL CONFORM TO AASHTO M270M AND SHALL MEET THE FRACTURE CRITICAL CHARPY V-NOTCH IMPACT TEST REQUIREMENTS FOR ZONE 3.
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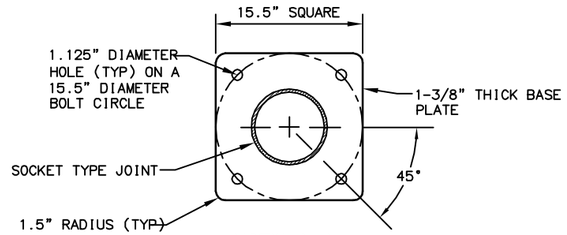
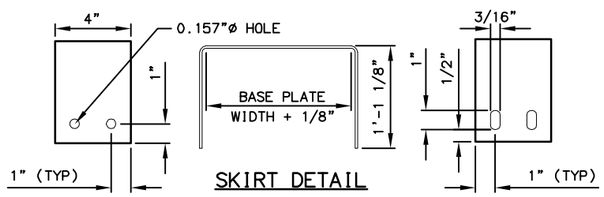
   A. VARIANCES FROM APPROVED SHOP DRAWINGS.
   B. VARIANCES FROM FIXED DESIGN ELEMENTS.
   C. OUT OF ROUND. SECTIONS ARE OUT OF ROUND WHEN THE DIAMETERS OF ROUND MEMBERS EXCEED 2 PERCENT OF THE DIMENSION SPECIFIED ON THE SHOP DRAWINGS.
   D. BOWED WITH SWEEPS EXCEEDING 0.75" INCH THROUGHOUT THE LENGTH OF THE POLE, MASTARM, OR SEGMENT.
   E. DAMAGED OR DENTED FINISHES.
7. WELD SIZE TO BE DETERMINED BY MANUFACTURER.
8. PROVIDE PERMANENT TAGS PER SECTION 740 TABLE 740-1 OF THE SPECIFICATIONS.



VIEW A-A
PLAN VIEW OF BASE PLATE
NTS



SKIRT DETAIL
NTS
(TWO REQUIRED PER POLE)

STATE OF ALASKA
49TH
William McDonald
EE 7879
REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY
CRW ENGINEERING GROUP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

AMATS: OLD GLENN HIGHWAY S. BIRCHWOOD LOOP TO PETERS CREEK

FIRE STATION FLASHER POLE DETAIL

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION					
			ALASKA	STP-0558(X)/50946	2009	J1	J4

LEGEND

A — OLD GLENN HWY / DETOUR ←

B — OLD GLENN HWY / DETOUR →

C — OLD GLENN HWY / DETOUR ↑

D — OLD GLENN HWY / DETOUR

E — ROAD CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY / DETOUR ←

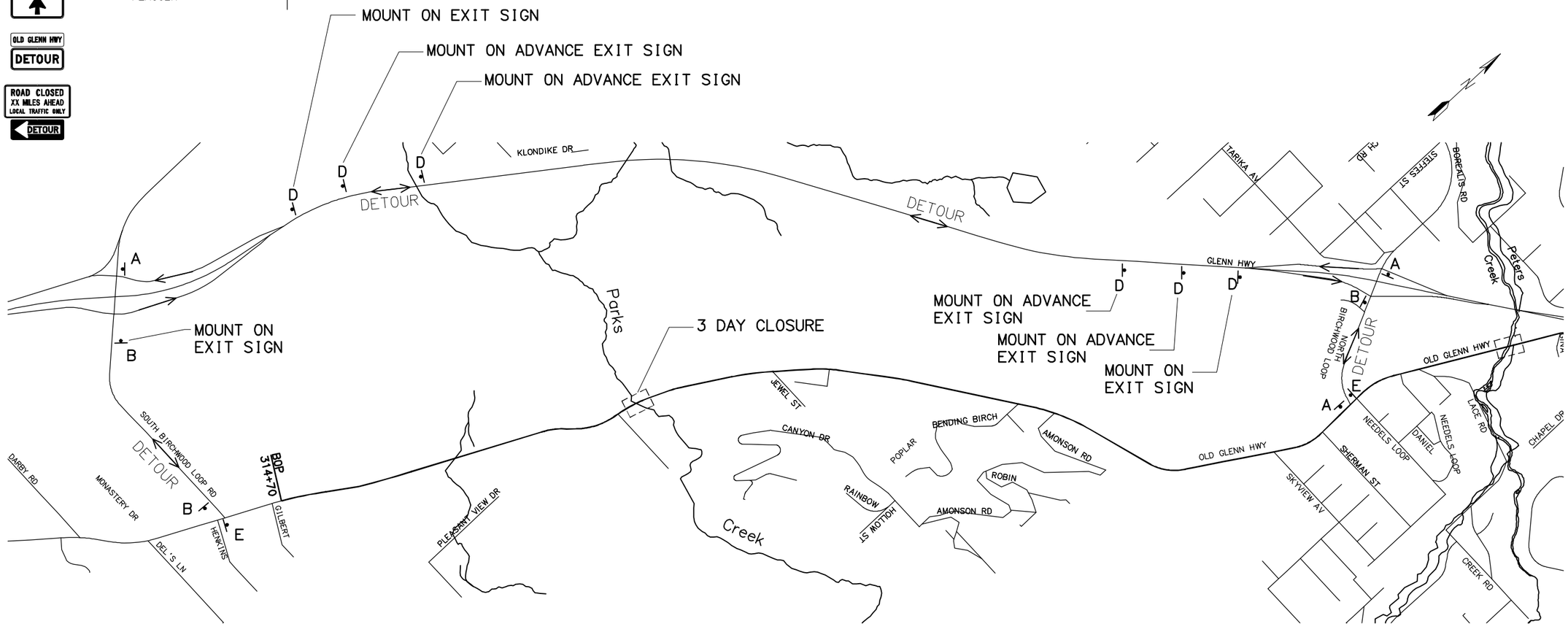
CONSTRUCTION SIGN

TRAFFIC CONE

PORTABLE CHANGEABLE MESSAGE BOARD

TYPE III BARRICADE

FLAGGER



NOTES:

SHORT TERM ROAD CLOSURES (3 DAY WEEKENDS) SHALL BE ALLOWED AT THE PARKS CREEK CULVERT. NO FULL ROAD CLOSURES WILL BE ALLOWED ON THE OLD GLENN HIGHWAY AT PARKS CREEK UNTIL 2011.

MAJOR WORK ITEMS INCLUDE INSTALLATION OF BRIDGE, GUARDRAIL, EARTH WORK AND ATB PAVEMENT

ONLY ONE FULL CLOSURE WILL BE ALLOWED WITHIN THE PROJECT AREA DURING ANY GIVEN TIME.

FULL CLOSURES SHALL OCCUR DURING ANCHORAGE SCHOOL DISTRICT SUMMER RECESS.

FOR FINAL PAVEMENT LIFT, TRAFFIC SHALL BE ROUTED AS NECESSARY TO PROVIDE A CONTINUOUS UNINTERRUPTED OPERATION.

STATE OF ALASKA 49TH — REBECCA CAMPBELL CE 10464 REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY
CRW ENGINEERING GROUP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

AMATS: OLD GLENN HIGHWAY S. BIRCHWOOD LOOP TO PETERS CREEK

TRAFFIC CONTROL PLAN & PARKS CREEK DETOUR ROUTE

SPECIFICATIONS
SCALE: 1:1
COMPUTER DESIGNATION: 20086_TC_Pt1.dwg
PLOT SCALE: 1:1
LAYOUT: LAYOUT 1
DESIGNED BY: DY
CHECKED BY: BCM
DRAFTED BY: SMB
DATE DRAFTED: 07/31/2009

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION					
			ALASKA	STP-0558(X)/50946	2009	J2	J4

LEGEND

A

B

C

D

E

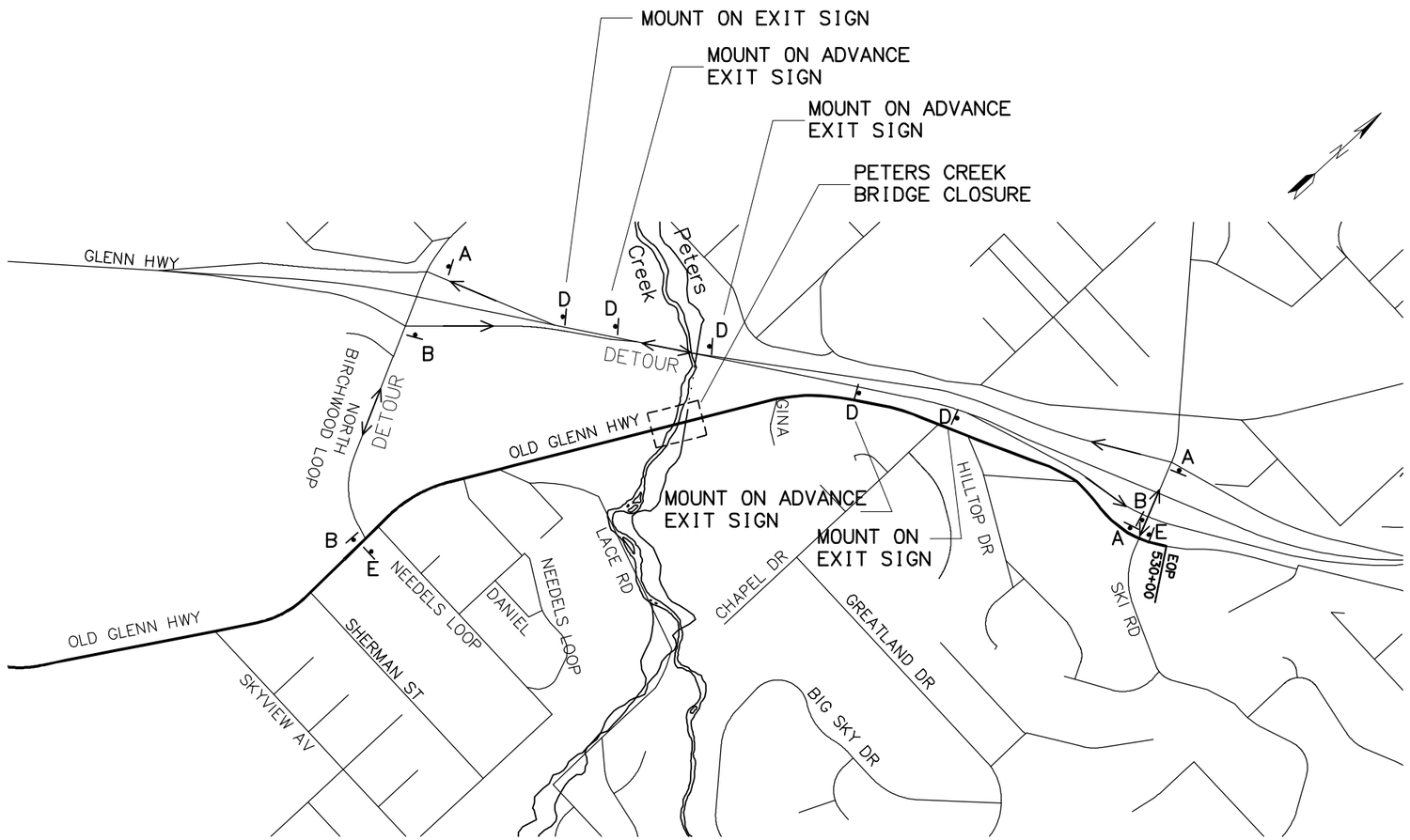
CONSTRUCTION SIGN

TRAFFIC CONE

PORTABLE CHANGEABLE MESSAGE BOARD

TYPE III BARRICADE

FLAGGER



NOTES:

LONG TERM FULL ROAD CLOSURE SHALL BE ALLOWED FOR CONSTRUCTION OF THE PETERS CREEK BRIDGE. TIME LIMIT FOR THIS CLOSURE IS -- 60 DAYS --.

ONLY ONE FULL CLOSURE WILL BE ALLOWED WITHIN THE PROJECT AREA DURING ANY GIVEN TIME.

FULL CLOSURES SHALL occur DURING ANCHORAGE SCHOOL DISTRICT SUMMER RECESS.

SPECIFICATIONS
SCALE: 1:1
COMPUTER DESIGNATION
PLOT SCALE: 1:1
20088 TC Pn1.dwg
DESIGNED BY DY
CHECKED BY BCM
DRAFTED BY SMB
LAYOUT: LAYOUT 1
DATE DRAFTED: 07/31/2009

STATE OF ALASKA
49TH
REBECCA CAMPBELL
CE 10464
REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY
CRW ENGINEERING GROUP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

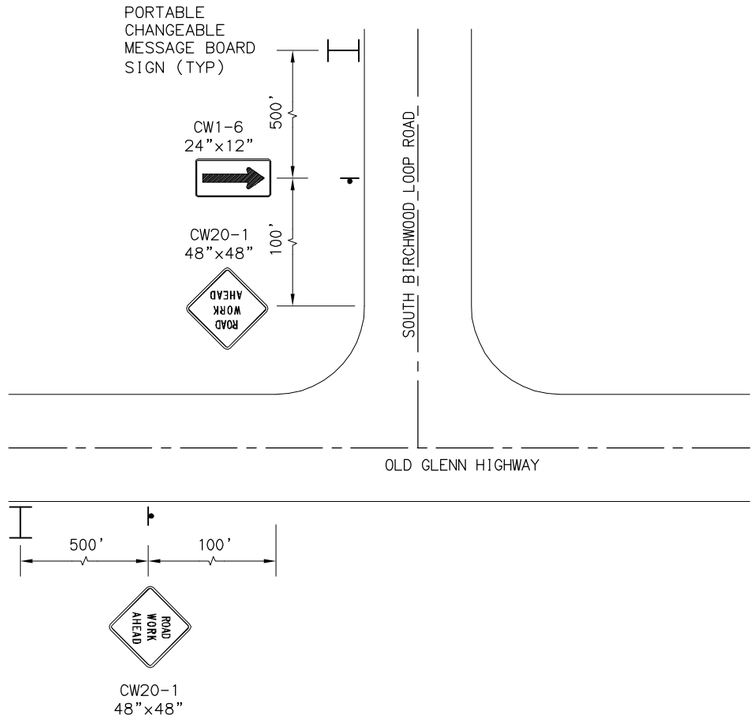
AMATS: OLD GLENN HIGHWAY S. BIRCHWOOD LOOP TO PARKS CREEK

TRAFFIC CONTROL PLAN & PETERS CREEK DETOUR ROUTE

			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	STP-0558(X)/59406	2009	J3	J4

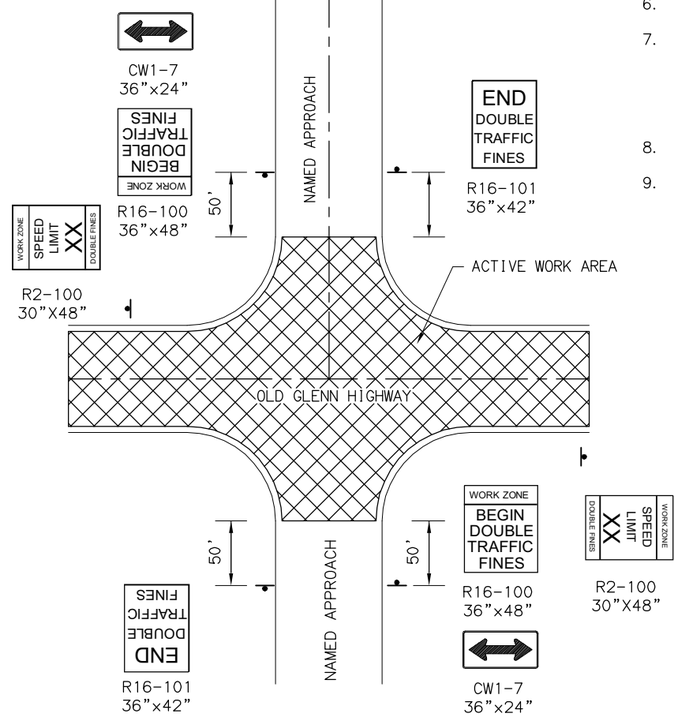
NOTES:

1. ALL PERMANENT CONSTRUCTION SIGNING SHALL BE POST MOUNTED.
2. THE TRAFFIC CONTROL PLAN (TCP) PRESENTED IN THESE DRAWINGS IS A GENERALIZATION OF THE TRAFFIC CONTROL REQUIRED. THE CONTRACTOR SHALL DEVELOP SPECIFIC TRAFFIC CONTROL PLANS FOR APPROVAL BY THE ALASKA DEPARTMENT OF TRANSPORTATION (ADOT&PF) AND THE PROJECT MANAGER.
3. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE ALASKA TRAFFIC CONTROL MANUAL. ADOT&PF STANDARD SPECIFICATIONS, AND THE APPROVED TCP. THE CONTRACTOR SHALL OBTAIN A PERMIT FROM ADOT&PF BEFORE CONDUCTING ANY WORK WITHIN THE PUBLIC RIGHT-OF-WAY.
4. TYPE 'A' FLASHING WARNING LIGHTS SHALL BE USED TO MARK BARRICADES, LANE CLOSURES, AND TRAFFIC DETOUR SIGNS AT NIGHT.
5. ADJUST SIGN SPACING AS NECESSARY IN THE FIELD.
6. SEE SPECIFICATIONS FOR FURTHER DETAILS.
7. PORTABLE, CHANGEABLE MESSAGE BOARDS REQUIRED AT THE EASTBOUND APPROACHES OF SOUTH BIRCHWOOD LOOP, NORTH BIRCHWOOD LOOP, AND SKI ROAD; AND AT THE NORTHBOUND APPROACH OF THE OLD GLENN HIGHWAY AT SOUTH BIRCHWOOD LOOP ROAD (4 TOTAL).
8. SPEED LIMIT SHALL BE DETERMINED BY PROJECT ENGINEER.
9. SEE STANDARD DRAWING C-04.12 FOR SPACING OF DOUBLE FINE AND SPEED LIMIT SIGNS.



PERMANENT CONSTRUCTION SIGNING

SOUTH BIRCHWOOD LOOP ROAD



PERMANENT CONSTRUCTION SIGNING

NAMED APPROACHES: LAUGHLIN ST, AMONSON RD, KERBOW LN, SKYVIEW AVE, NORTH BIRCHWOOD LOOP RD, SHERMAN ST, NEEDELS LP, LACE RD, GINA CI, CHAPEL DR, SKI RD

STATE OF ALASKA
REGISTERED PROFESSIONAL ENGINEER
REBECCA CAMPBELL
CE 10464

PLANS DEVELOPED BY
CRW ENGINEERING GROUP

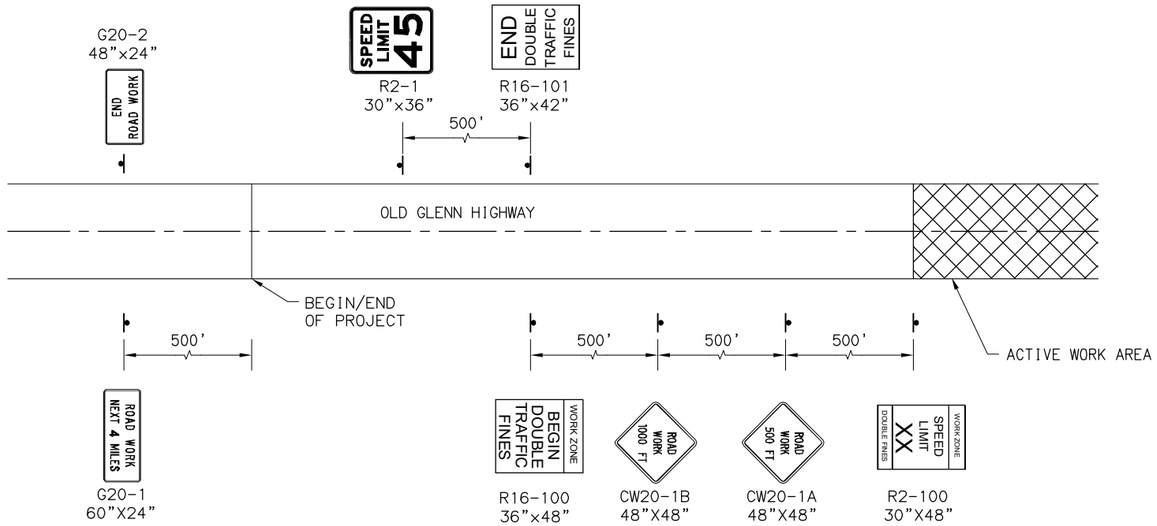
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

AMATS: OLD GLENN HIGHWAY S. BIRCHWOOD LOOP TO PETERS CREEK

PERMANENT CONSTRUCTION SIGNING

SPECIFICATIONS
SCALE: 1:1
COMPUTER DESIGNATION: 20558construction.dwg
DESIGNED BY: DY
CHECKED BY: DY
DRAFTED BY: SMB
PLOT SCALE: 1:1
LAYOUT: J1
DATE DRAFTED: 07/31/2009

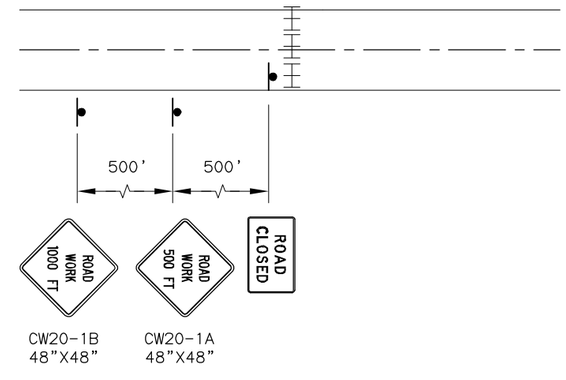
			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	STP-0558(X/59406	2009	J4	J4



PERMANENT CONSTRUCTION SIGNING

OLD GLENN HIGHWAY

CONSTRUCTION SIGNING DURING LANE CLOSURE



CONSTRUCTION SIGNING DURING FULL CLOSUR

STATE OF ALASKA
REGISTERED PROFESSIONAL ENGINEER
REBECCA CAMPBELL
CE 10464

PLANS DEVELOPED BY
CRW ENGINEERING GROUP

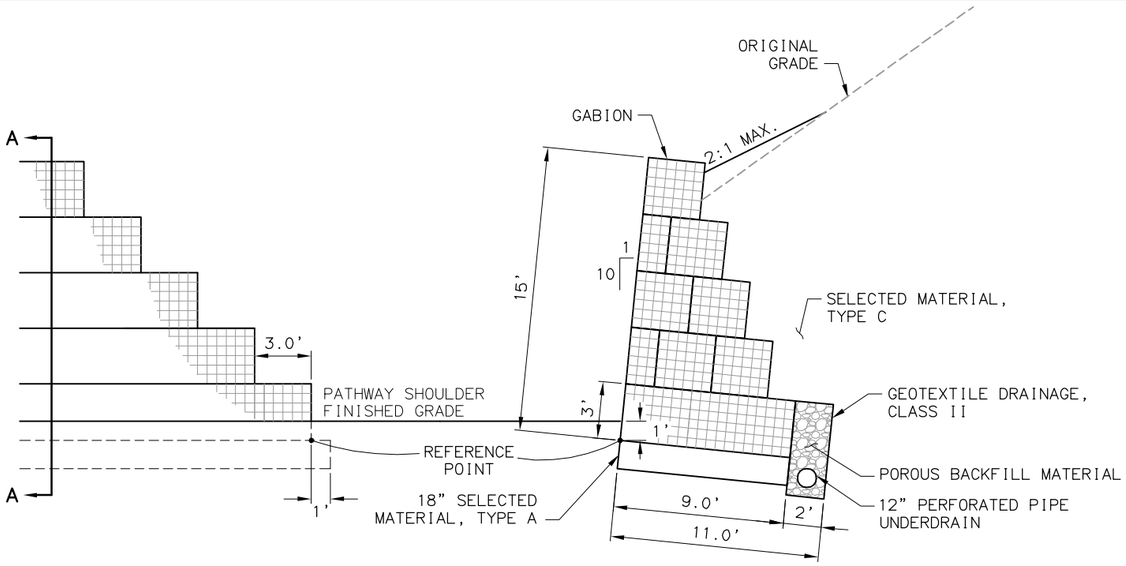
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

AMATS: OLD GLENN HIGHWAY S. BIRCHWOOD LOOP TO PETERS CREEK

PERMANENT CONSTRUCTION SIGNING

SPECIFICATIONS
SCALE: 1:1
COMPUTER DESIGNATION
PLOT SCALE: 1:1
2008construsts1grn.dwg
LAYOUT: J1
DESIGNED BY DY
CHECKED BY DY
DRAFTED BY SMB
DATE DRAFTED: 07/31/2009

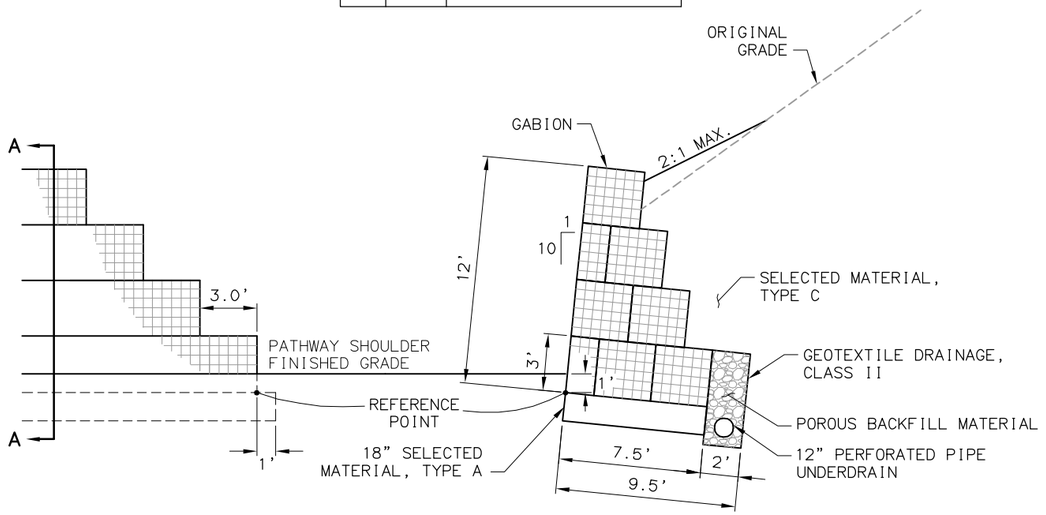
REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION					
			ALASKA	STP-0558(6)/58061	2008	M1	M3



ELEVATION SECTION A-A

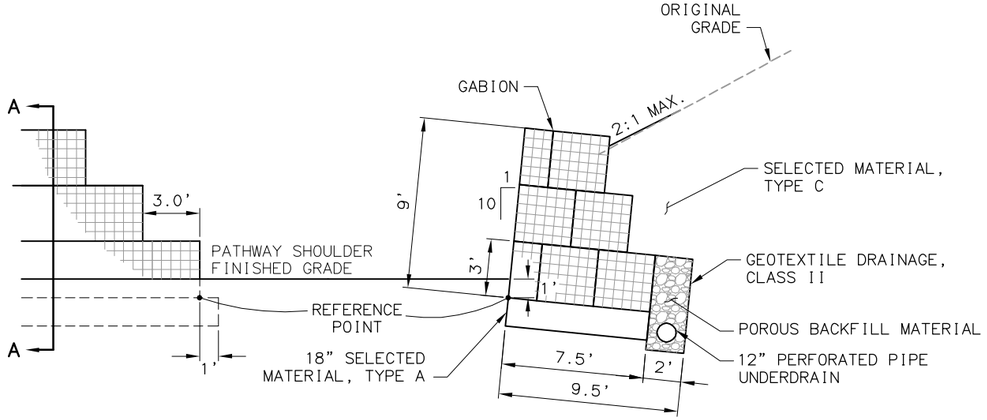
FIVE COURSE GABION RETAINING WALL

SEE NOTE 2



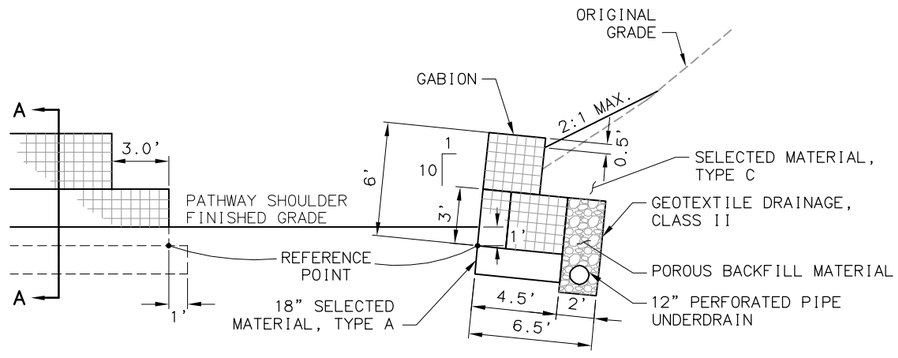
ELEVATION SECTION A-A

FOUR COURSE GABION RETAINING WALL



ELEVATION SECTION A-A

THREE COURSE GABION RETAINING WALL



ELEVATION SECTION A-A

TWO COURSE GABION RETAINING WALL

GABION WALL GENERAL NOTES:

1. LARGE BOULDERS MAY HAVE TO BE REMOVED IN SOME AREAS PRIOR TO GABION PLACEMENT. THIS WORK AND ALL STRUCTURE EXCAVATION SHALL BE SUBSIDIARY TO ITEM 636(1) GABION.
2. UTILIZE FIVE COURSE GABION DETAIL FOR SIX AND SEVEN COURSE GABION RETAINING WALLS. ADDITIONAL HEIGHT TO BE PROVIDED USING PLAN AND PROFILE SHEETS.

STATE OF ALASKA 49TH Colin Maynard CE 7574 REGISTERED PROFESSIONAL ENGINEER

GABION WALL DESIGN ONLY

STATE OF ALASKA 49TH Shane M Blanchard CE 11519 REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY CRW ENGINEERING GROUP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

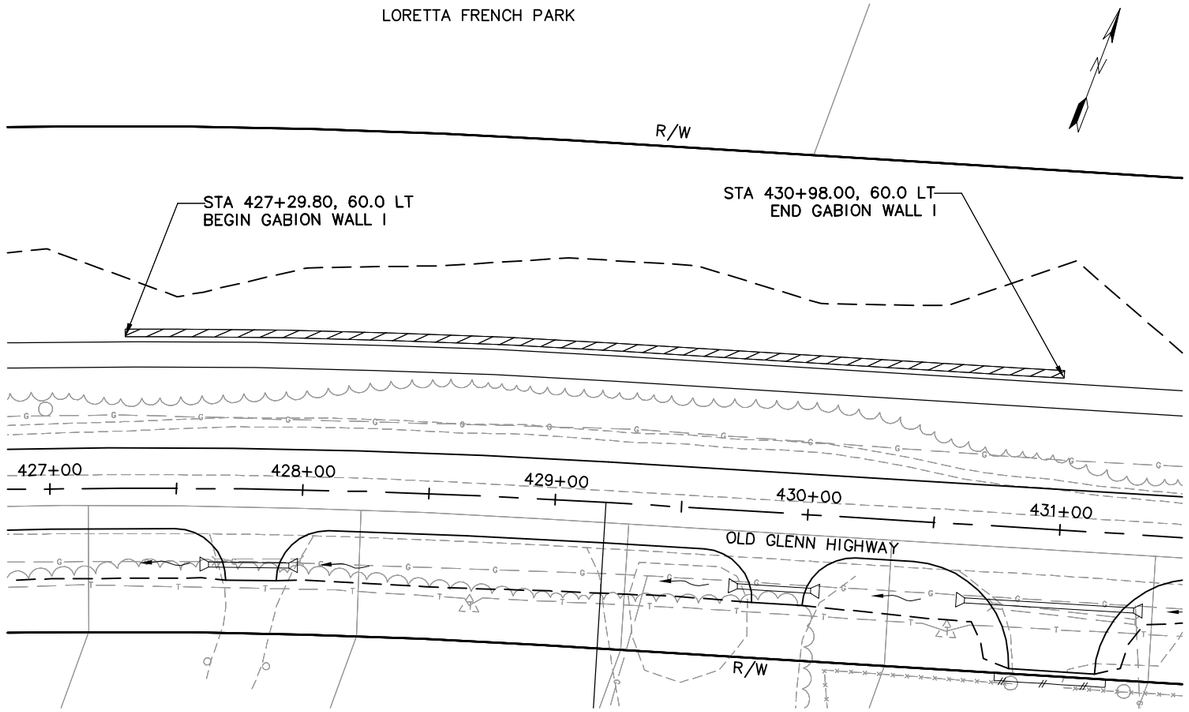
OLD GLENN HIGHWAY FIRE LAKE TO SOUTH BIRCHWOOD LP

GABION WALL TYPICAL SECTIONS

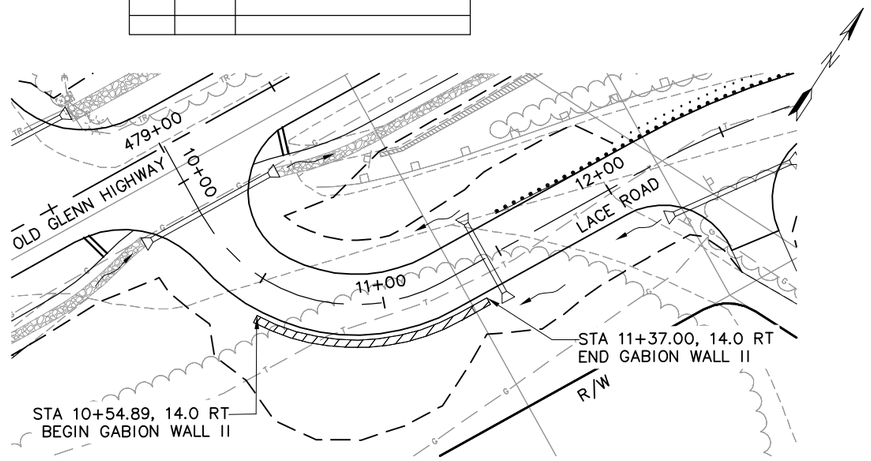
SPECIFICATIONS
SCALE: 1:1
COMPUTER DESIGNATION: 20058gabtsmall1.dgn
PLOT SCALE: 1:1
LAYOUT: LAYOUT 1
DESIGNED BY: SMB
CHECKED BY: BCM
DRAFTED BY: SMB
DATE DRAFTED: 07/31/2009

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION					
			ALASKA	STP-0558(6)/58061	2008	M2	M3

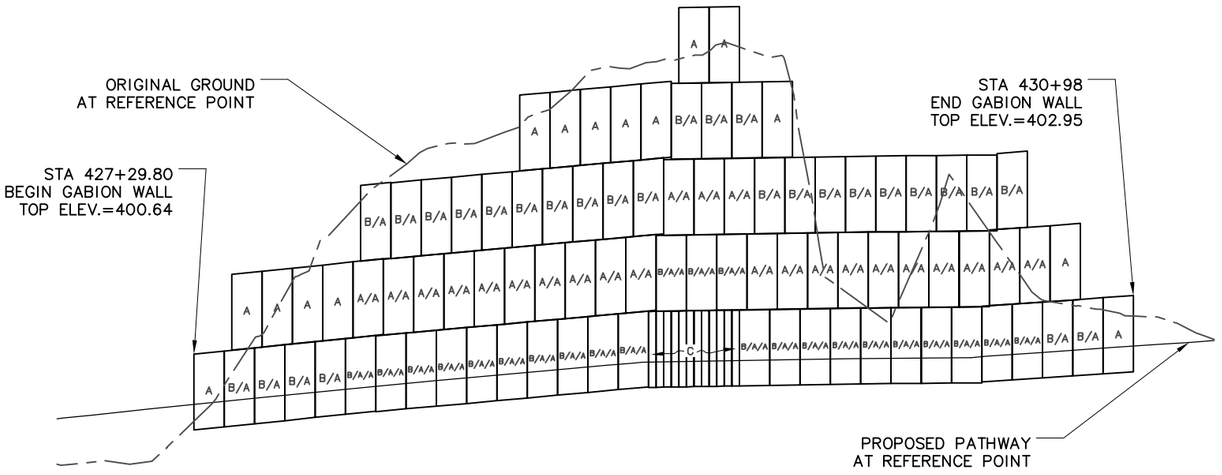
SPECIFICATIONS
SCALE: S. BIRCHWOOD LOOP TO PETER'S CREEK
COMPUTER DESIGNATION: 20068 gabloop.dwg
PLOT SCALE: 1:2
LAYOUT: Wall I & II
DESIGNED BY SMB
CHECKED BY BCM
DRAFTED BY SMB
DATE DRAFTED: 07/31/2008



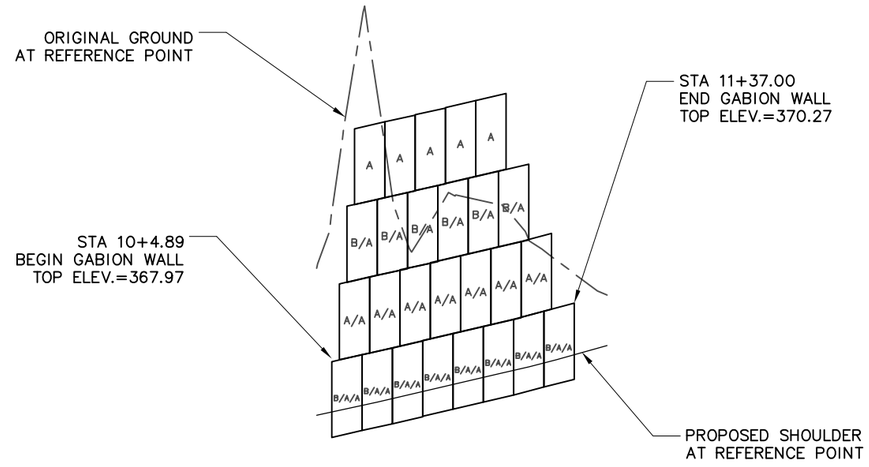
PLAN VIEW – WALL I



PLAN VIEW – WALL II



ELEVATION VIEW – WALL I



ELEVATION VIEW – WALL II

GABION SUMMARY TABLE		
GABION CODE LETTER	LENGTH x WIDTH x DEPTH IN FEET	CUBIC FEET
A	12 x 3 x 3	108
B	12 x 3 x 1-1/2	54
C	3 x 3 x 9	81

STATE OF ALASKA
49TH
Colin Maynard
CE 7574
REGISTERED PROFESSIONAL ENGINEER

GABION WALL
DESIGN ONLY

STATE OF ALASKA
49TH
Shane M. Blanchard
CE 11519
REGISTERED PROFESSIONAL ENGINEER

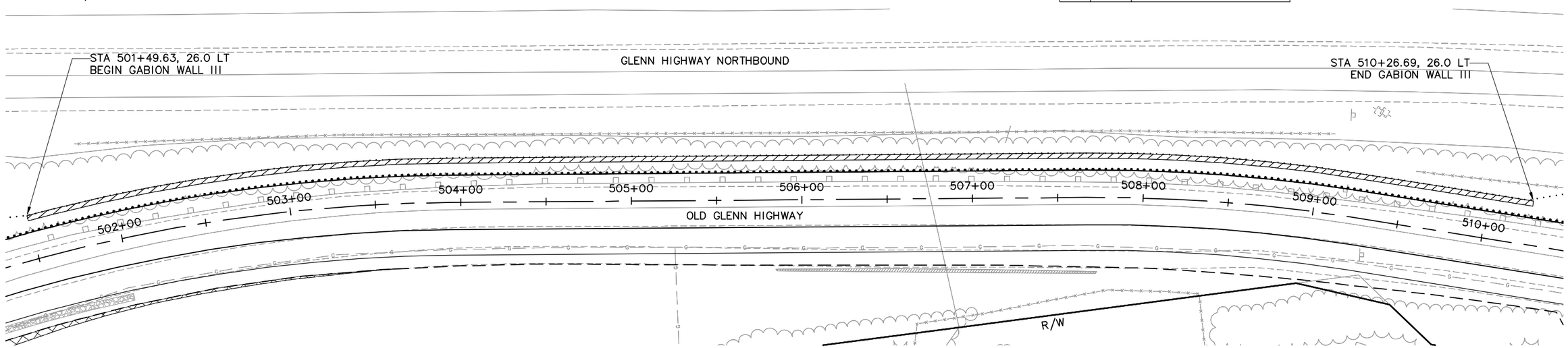
PLANS DEVELOPED BY
CRW ENGINEERING GROUP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

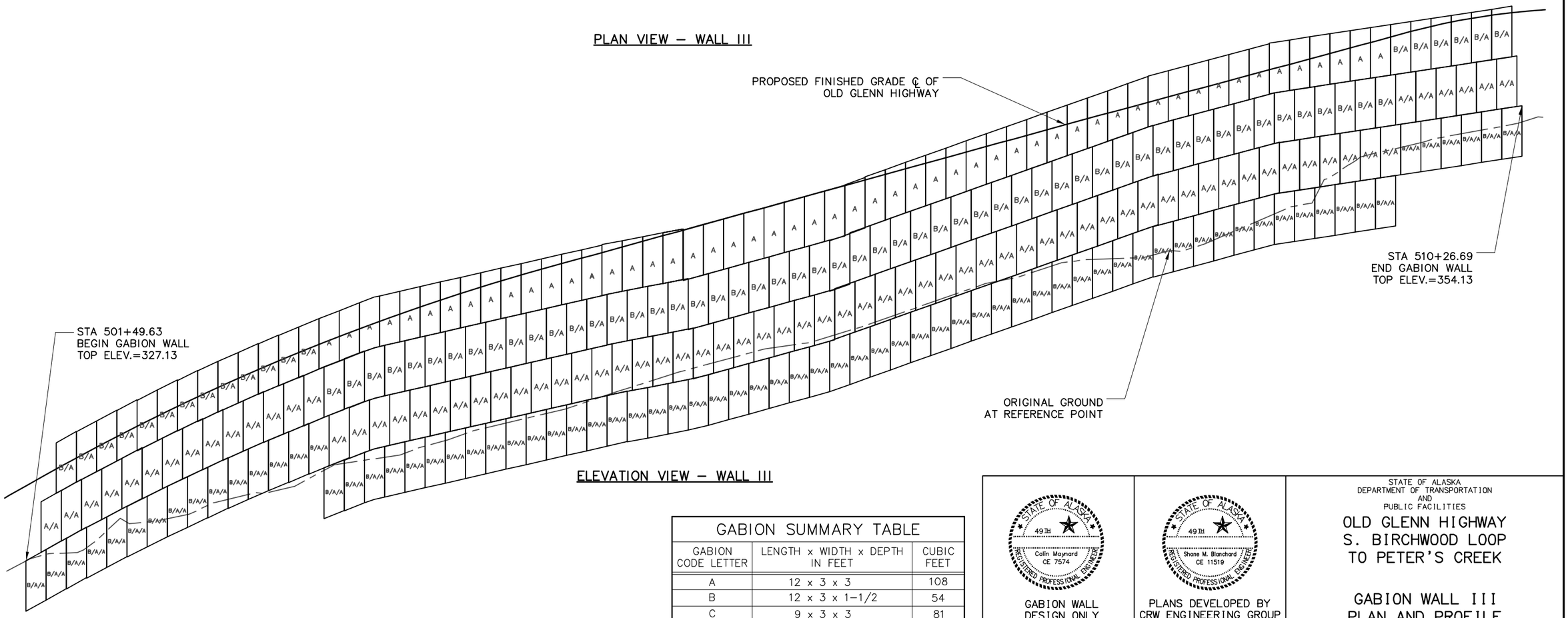
OLD GLENN HIGHWAY
S. BIRCHWOOD LOOP
TO PETER'S CREEK

GABION WALL I & II
PLAN AND PROFILE

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION					
			ALASKA	STP-0558(6)/58061	2008	M3	M3



PLAN VIEW – WALL III



ELEVATION VIEW – WALL III

GABION SUMMARY TABLE		
GABION CODE LETTER	LENGTH x WIDTH x DEPTH IN FEET	CUBIC FEET
A	12 x 3 x 3	108
B	12 x 3 x 1-1/2	54
C	9 x 3 x 3	81

STATE OF ALASKA
49TH
Collin Maynard
CE 7574
REGISTERED PROFESSIONAL ENGINEER

GABION WALL
DESIGN ONLY

STATE OF ALASKA
49TH
Shane M. Blanchard
CE 11519
REGISTERED PROFESSIONAL ENGINEER

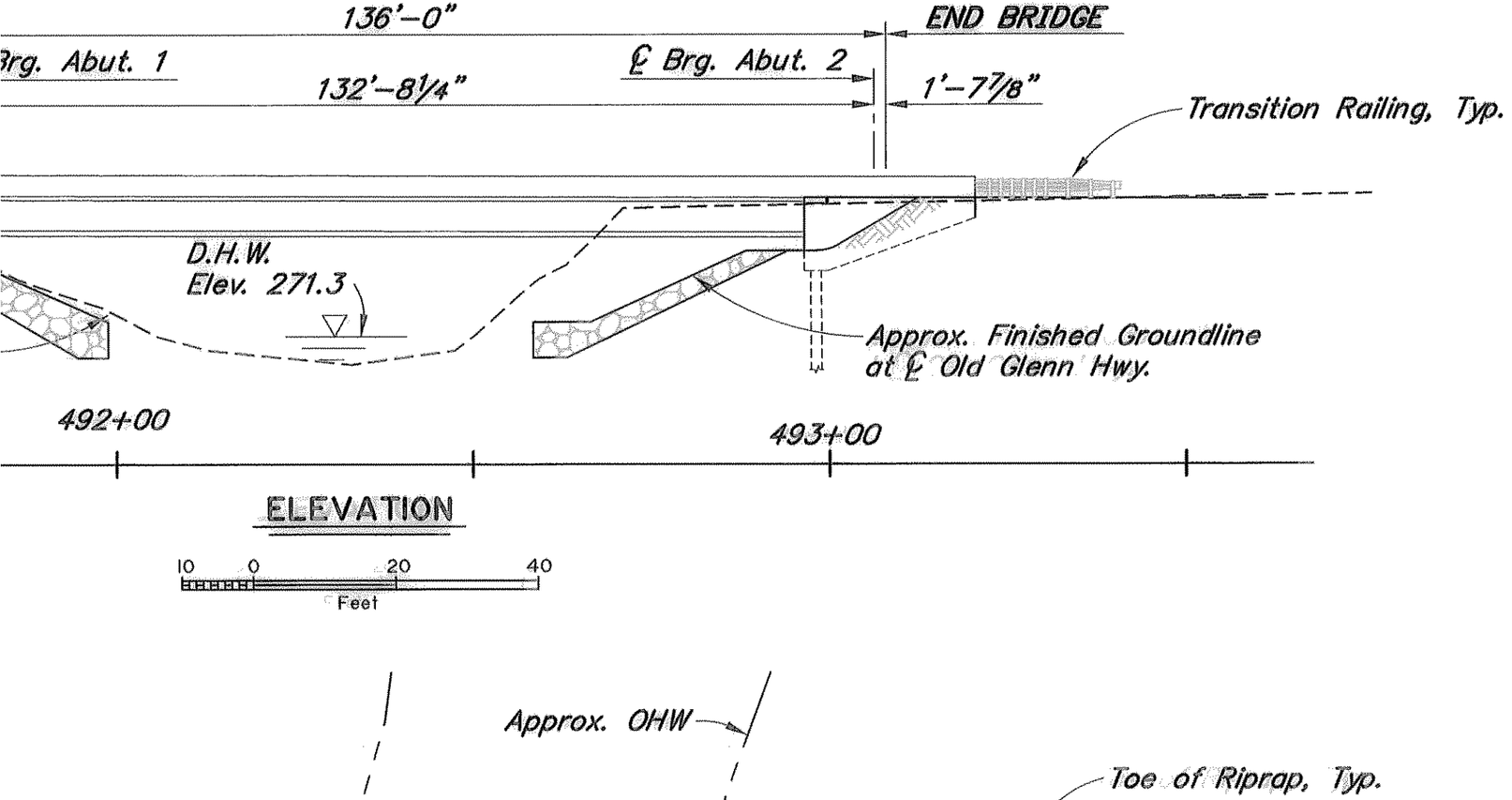
PLANS DEVELOPED BY
CRW ENGINEERING GROUP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

OLD GLENN HIGHWAY
S. BIRCHWOOD LOOP
TO PETER'S CREEK

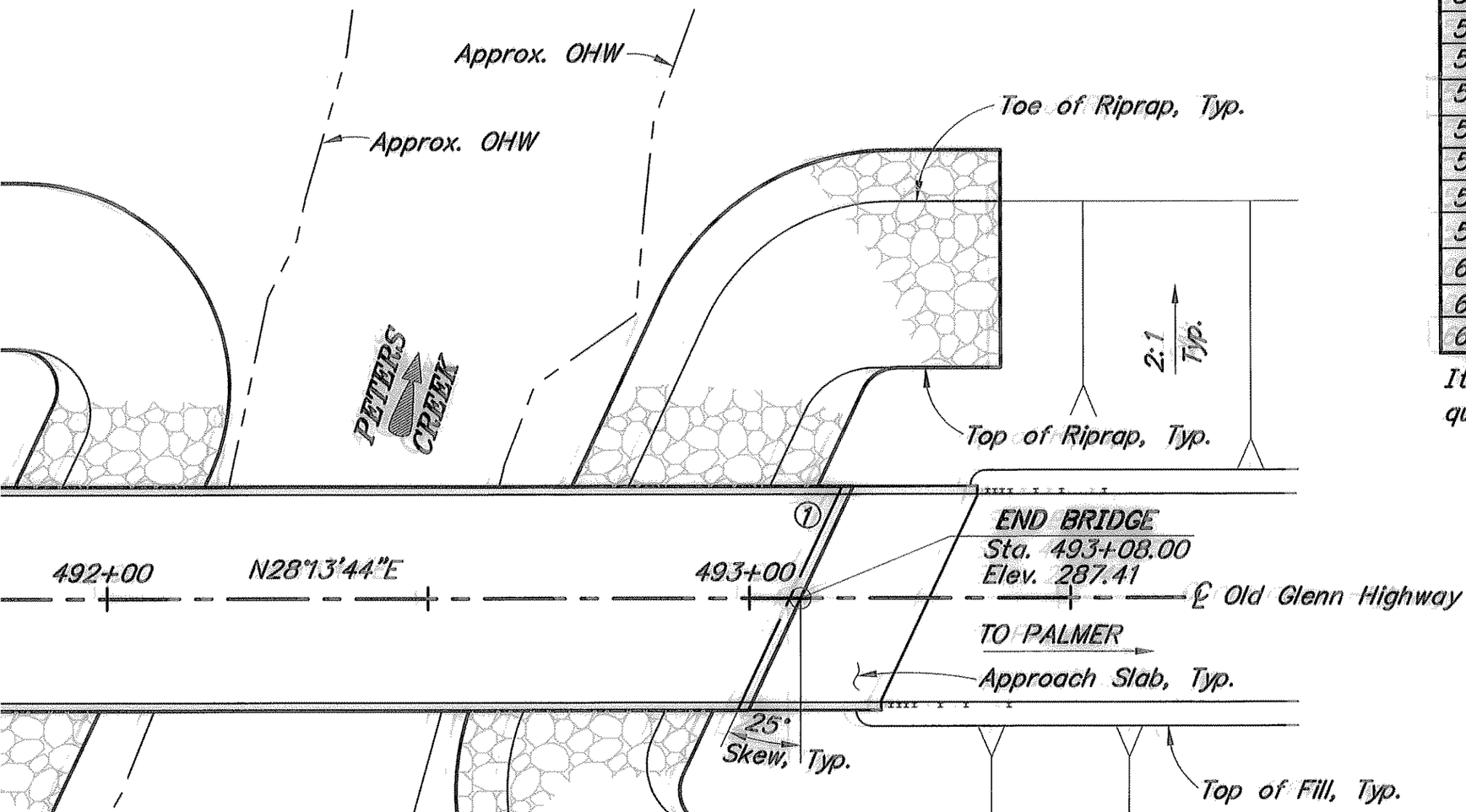
GABION WALL III
PLAN AND PROFILE

SPECIFICATIONS
SCALE: 1:160
COMPUTER DESIGNATION
PLOT SCALE: 1:2
20068 Gabionpp.dwg
LAYOUT: Wall III & IV
DESIGNED BY SMB
CHECKED BY BCM
DRAWN BY SMB
DATE DRAFTED: 07/31/2009



ELEVATION

10 0 20 40
Feet



BRIDGE BAS

ITEM NO.	ITEM
202(1)	Removal of Structures and Obstructures
205(3)	Structural Fill
501(1)	Class A Concrete
501(2)	Class A-A Concrete
501(8)	Precast Concrete Member (134' Decked Bulb
503(1)	Reinforcing Steel
503(2)	Epoxy-Coated Reinforcing Steel
505(5)	Furnish Structural Steel Piles - (HP14x117)
505(6)	Drive Structural Steel Piles - (HP14x117)
505(12)	Pre Bore
507(4)	Concrete Bridge Railing
508(1)	Waterproofing Membrane
606(12)	Guardrail / Bridge Rail Connection
611(1)	Riprap, Class II
631(2)	Geotextile, Erosion Control, Class 1

Item numbers are for reference only. Quantities show
quantity of the particular item.

492+00

493+00

B

B

A

Remove
(E) Bridge

℄ Old Glenn Highway

N28°13'44"E

Sta. 493+19.1
36' Rt.

280

Existing Riprap
to remain

280

PRESTRESSED CONCRETE:.....

CONCRETE:.....

STRUCTURAL STEEL:.....

STRUCTURAL STEEL PILING:...

LOCATION	PILE TYPE	MINIMUM PENETRATI (ft)
Abutment 1	HP14x117	40.0
Abutment 2	HP14x117	40.0

SITE PLAN

10 0 20 40
Feet

RY

	500
	0.2
	6150
	273.6
	0.0

2'-0" 6'-8½" 20'-0"

Elev. 280.00

2
1

1
1.5

Geotextile
Erosion Control,
Class 1

8'-0" 20'-0" 6'-8½" 2'-0"

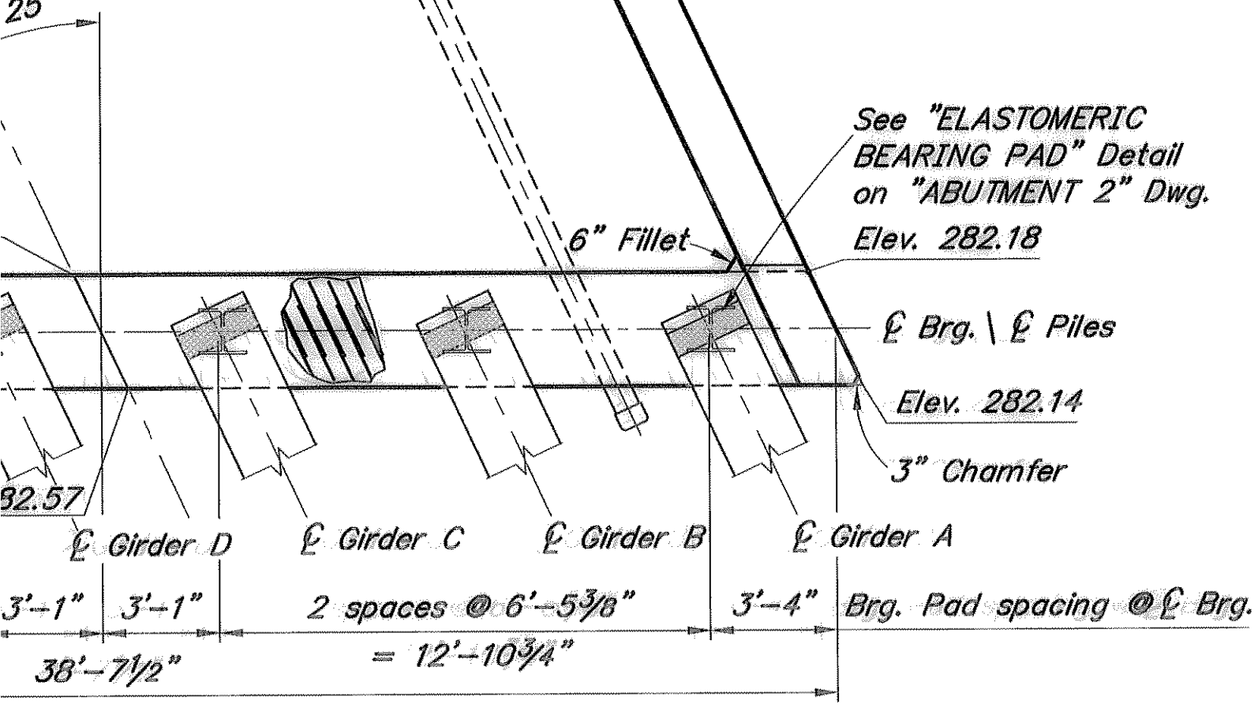
Elev. 280.00

2
1

1

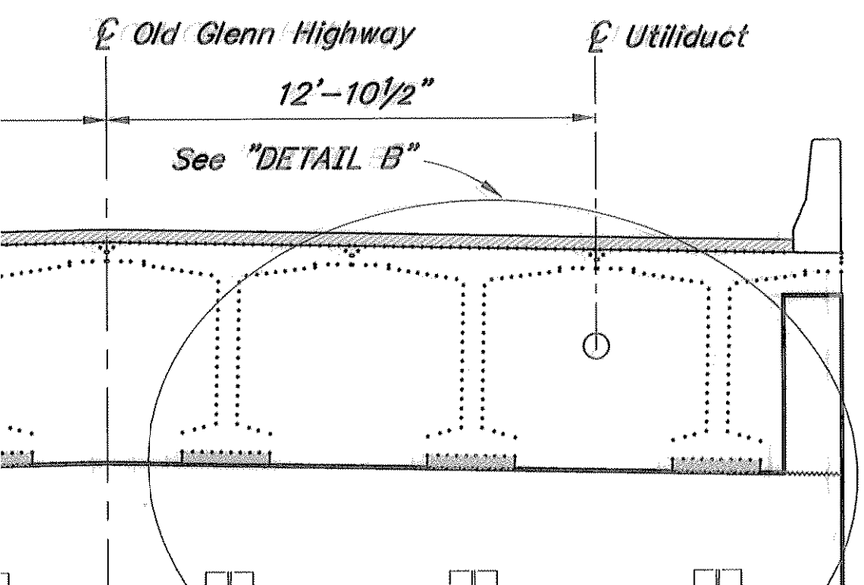
Geotextile
Erosion Control,
Class 1

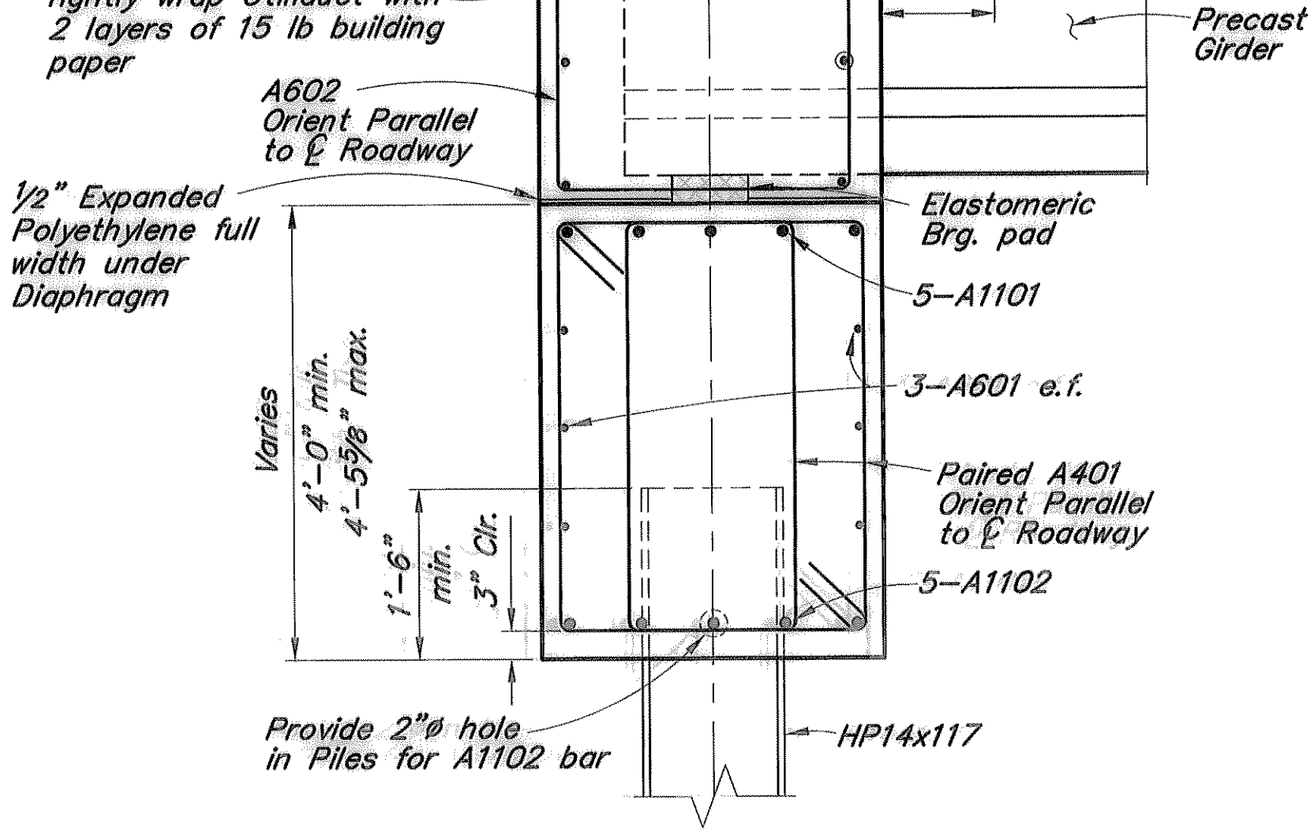
℄ = Cen
℗ = Pla
& = and
@ = at
ø = dia
A/C = asp
Approx. = app
Abut. = Abu
bot. = bot
Br. = bri
btwn. = bet
Brg. = Bea
C.I.P. = cas
CJP = com
Clr. = cle
D.H.W. = des
dia. = dia



PLAN

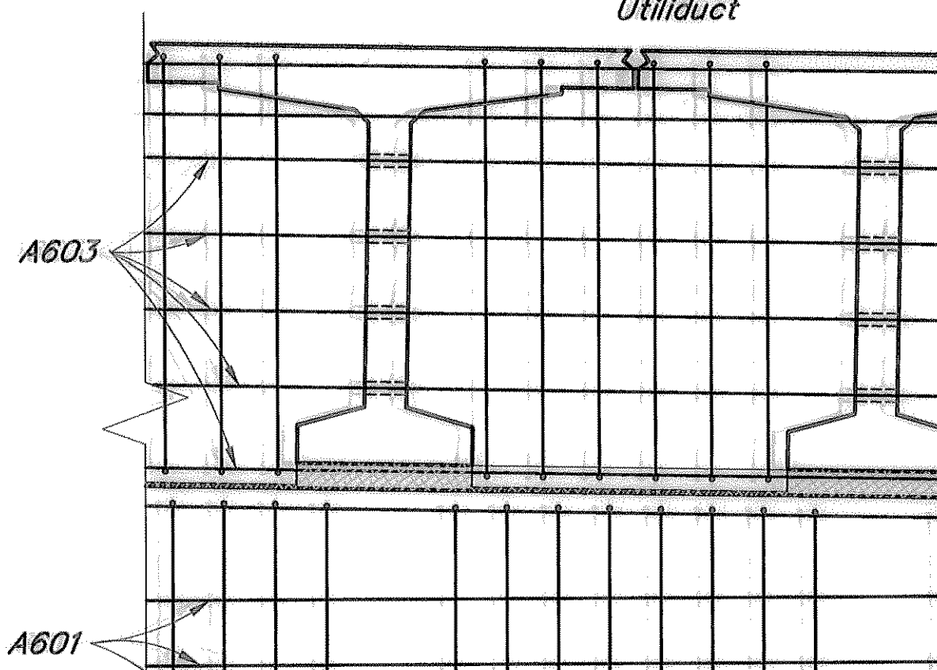
4 8
Feet

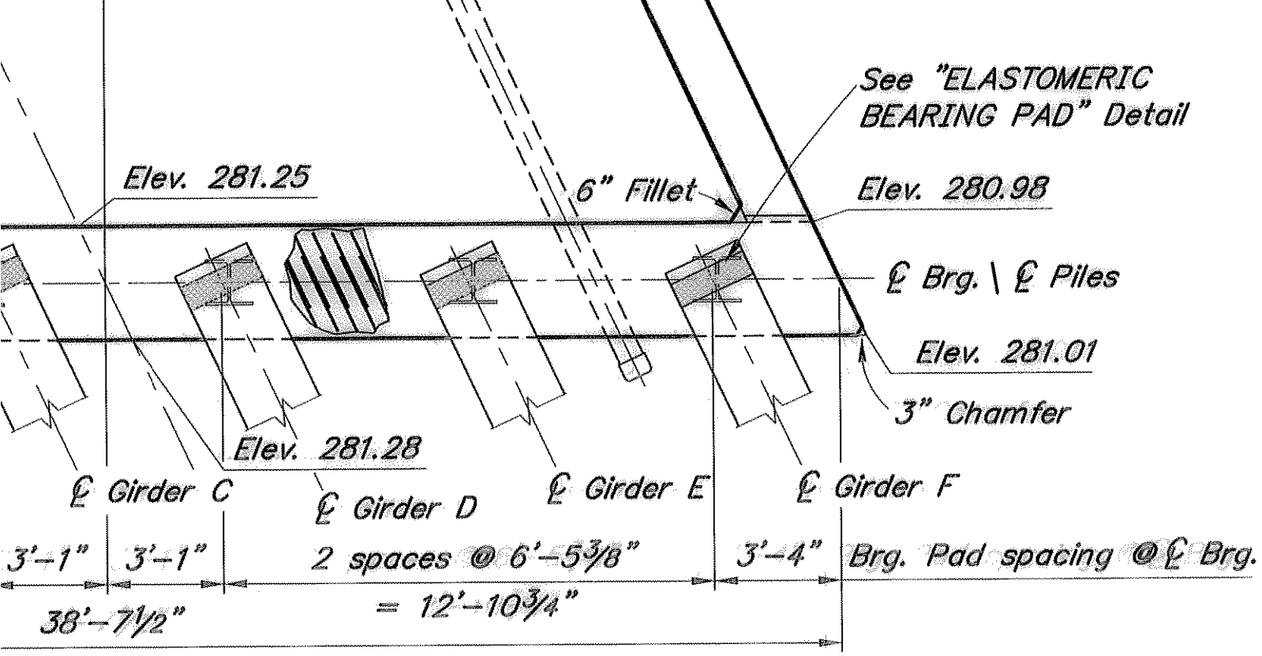




SECTION A-A

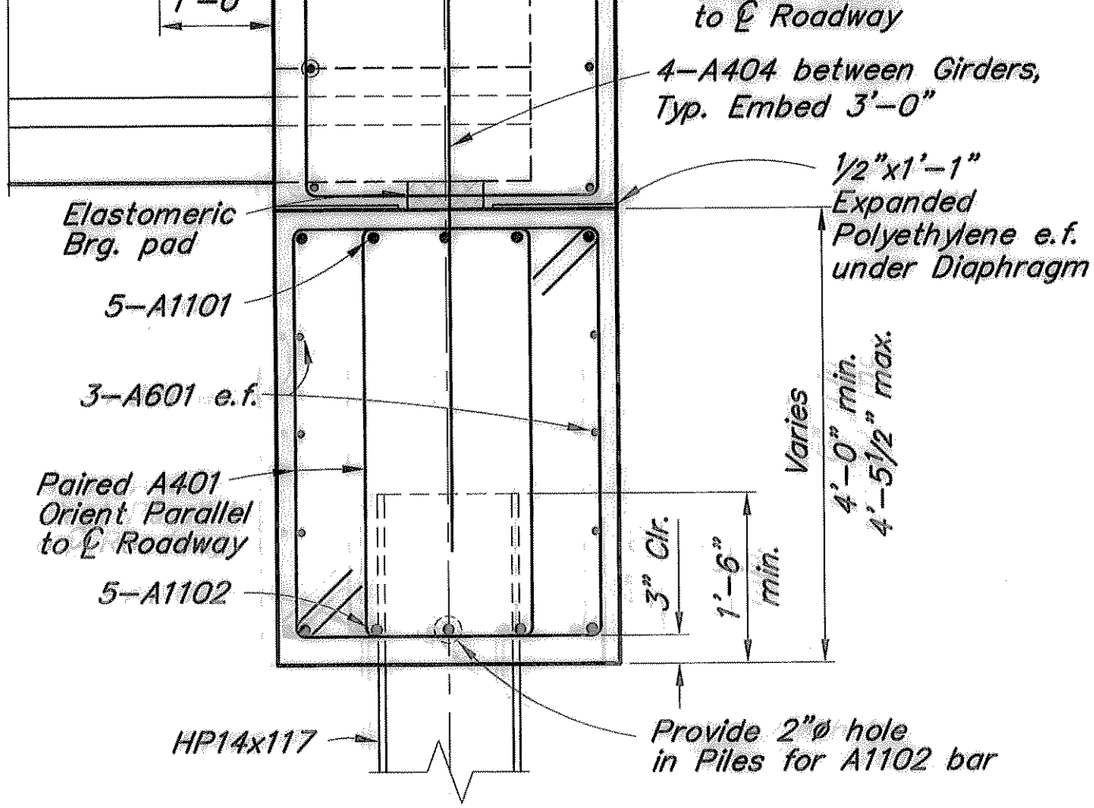
12 6 0 1 2 3
In. Feet





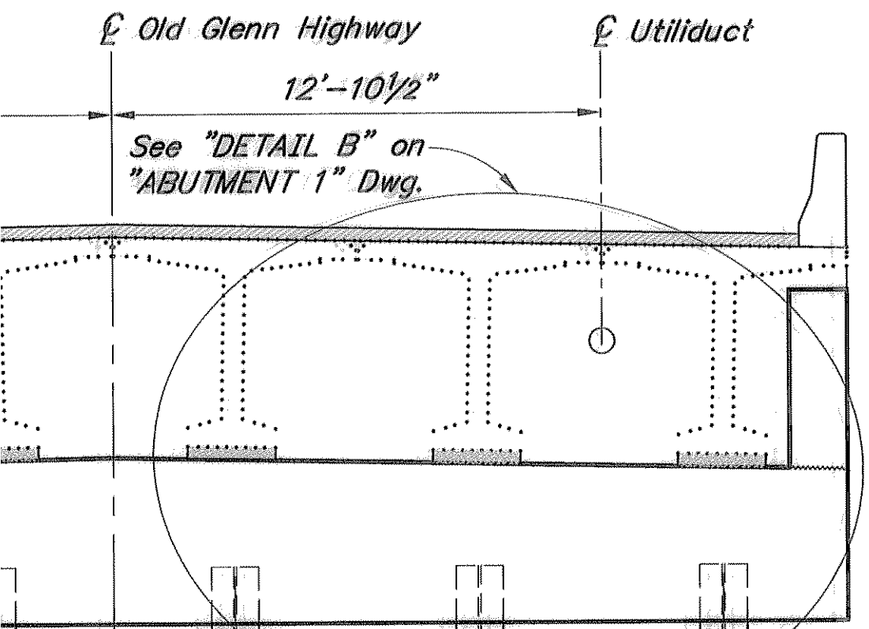
PLAN

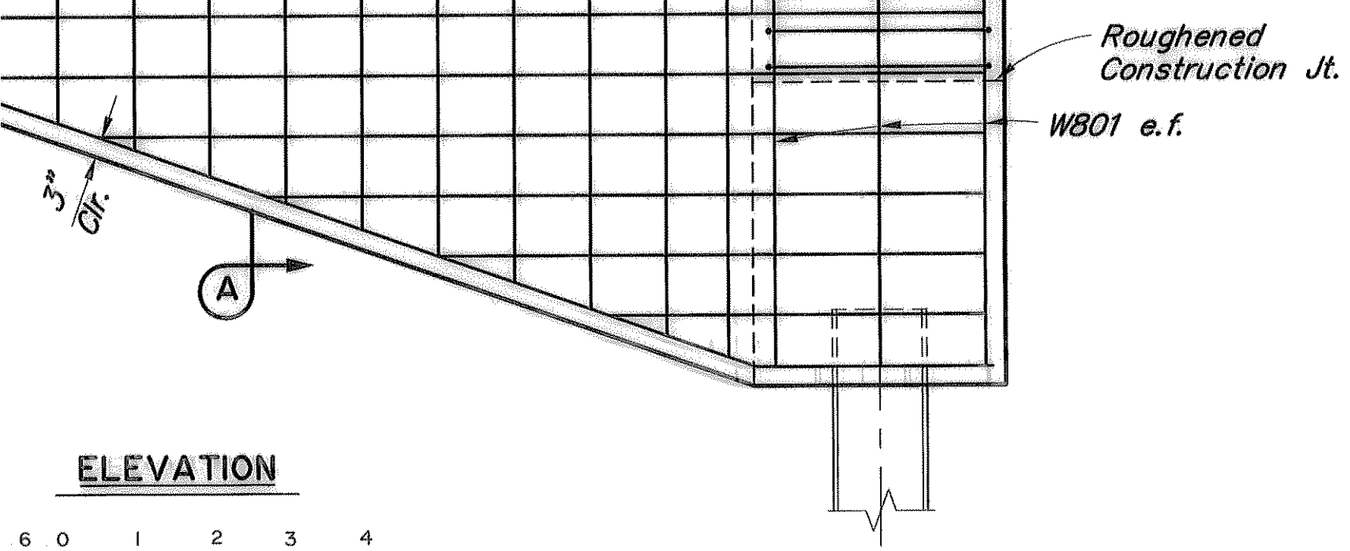
4 0 8
Feet



SECTION A-A

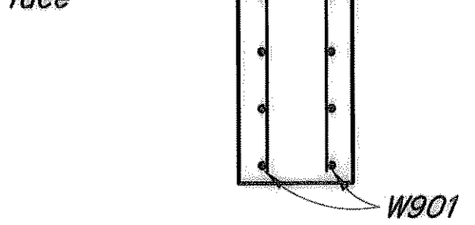
12 6 0 1 2 3
In. Feet





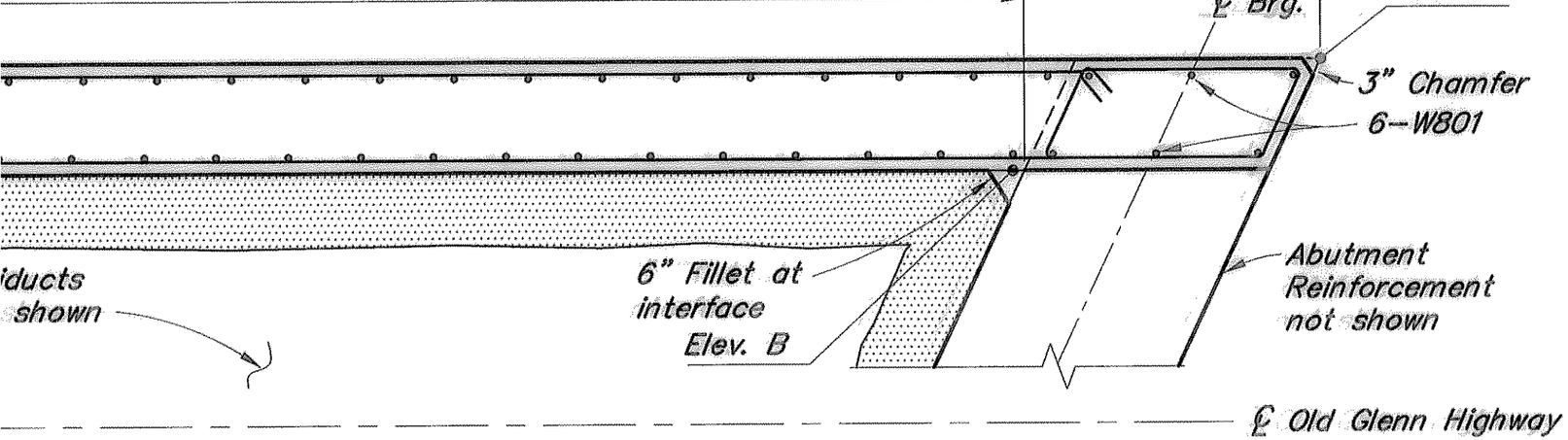
ELEVATION

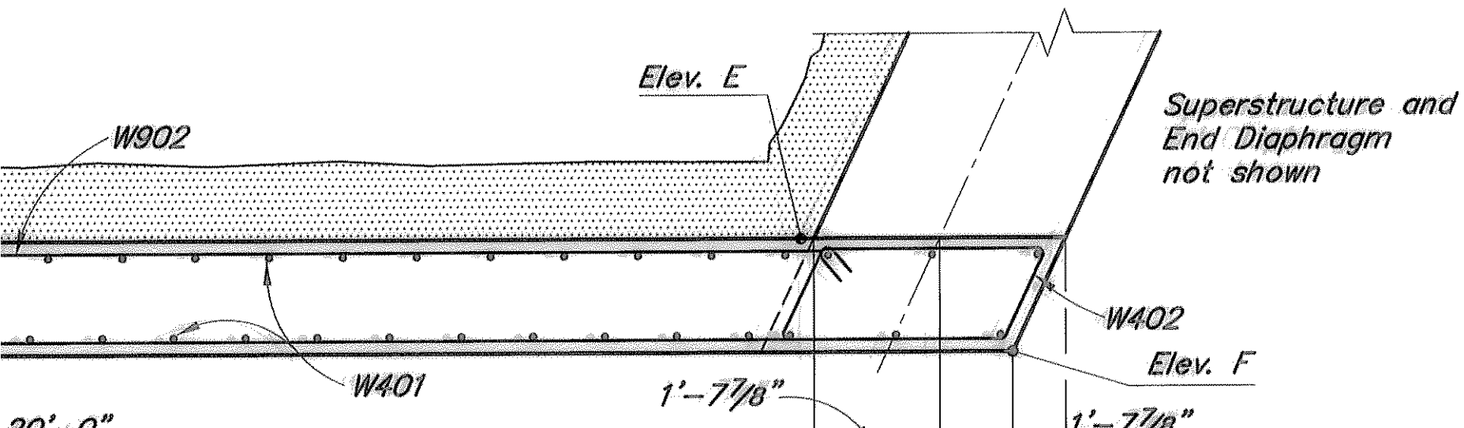
6 0 1 2 3 4
In. Feet



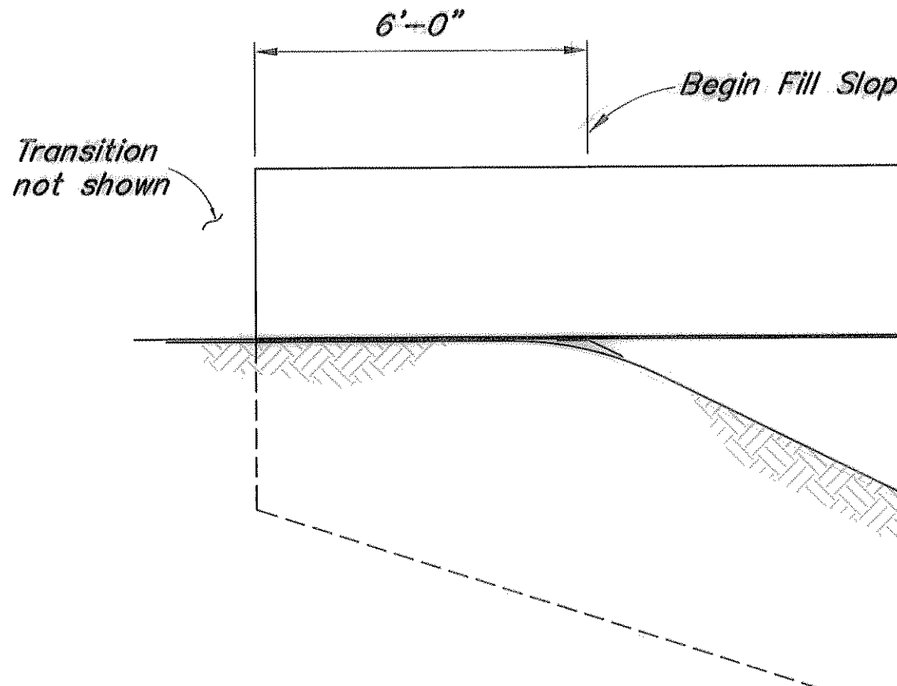
SECTION A-A

12 6 0 1 2 3 4
In. Feet





TOP OF W		
	Dow	
LOCATION	A	
ABUTMENT 1	288.25	
ABUTMENT 2	286.60	



401
p.

3'-0"

A

TYPICAL SECTION

12 6 0 1 2 3 4
In. Feet

101/2"

2-D601

SECTION A-A

12 6 0 1 2 3 4
In. Feet

20'-0"
oach Slab
EGIN BRIDGE

4'-0"

68'-0"

136'-0"

℄ Intermediate Diaphragm

68'-0"

32 Shear Connector spaces @ 4'-0" = 128'-0"

PLAN
No Scale

VIEW C-C

12 6 0 1
In. Feet

ngth (after elastic shortening and shrinkage)

35 Spaces @ 6" = 17'-6"

20 Spcs @ 9" = 15'-0"

18 Spaces @ 1'-0" = 18'-0"

6 Spaces @ 1'-6" = 9'-0"

Void in Deck

9"

℄

A

B

A

Hauling Point

0" G404 in Pairs

C.G. 34 Harped Strands

C.G. 26 Straight Strands

ELEVATION

12 6 0 1 2 3
In. Feet

10'-0"

℄ Harping Point

See "SHEAR CONNECTOR DETAIL" and "SHEAR KEY DETAIL"

G501E (Standard 180° Hook at Ext. Face of Ext. Girder)

℄ Girder

See "CONCRETE BARRIER" Dwg.

G402E

2¼ Clr.

A

G501

℄ Girder

7"ø

Roughen surface under Barrier.

G401, G401E

8¾"

6"ø

J501

J401

G403

C.G. 10

1'-0"

1. Use normal weight
   At Str
   At 28
2. Use ½" round low
   of 270 ksi and a
3. Design is based on
   Preten
   After
   After
4. 1" clear on all reinf
5. Deflect forms to c

S501, S801

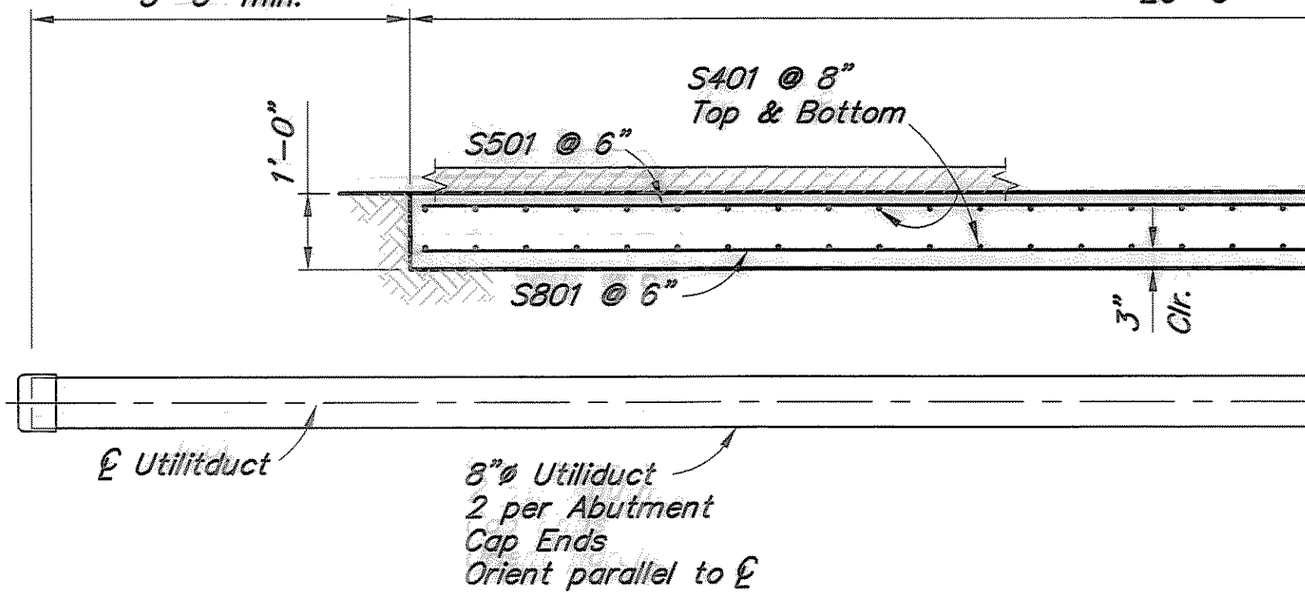
℄ Old Glenn Highway

℄ Expansion
n vertical
surfaces, Typ.

PLAN

1 shown Abutment 2 similar)

0 4 8
Feet



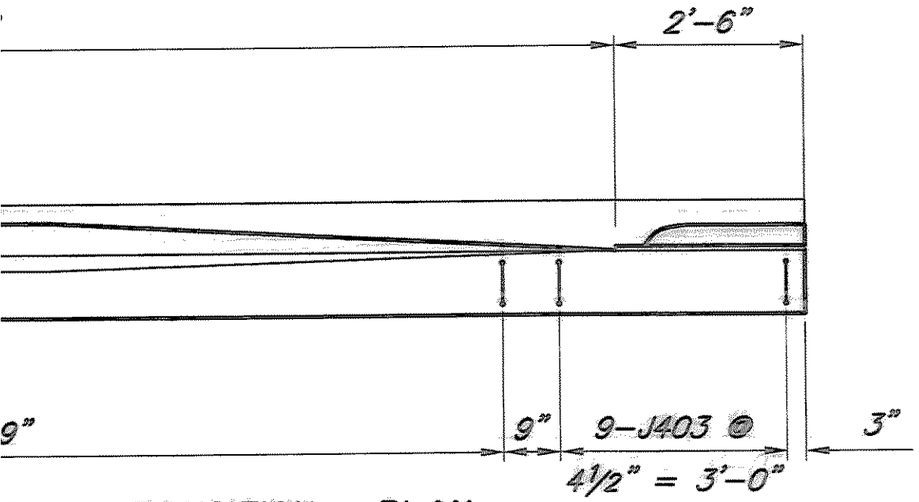
Limit of Stru
Bottom of C

SECTION A-A

12 6 0 1 2 3
In. Feet

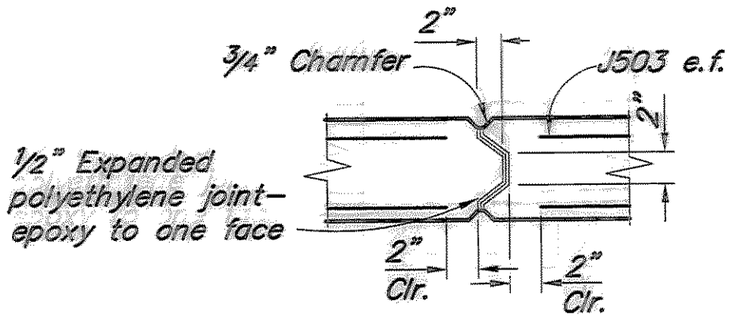
BRONZE BRIDGE NO. PLATE

No Scale



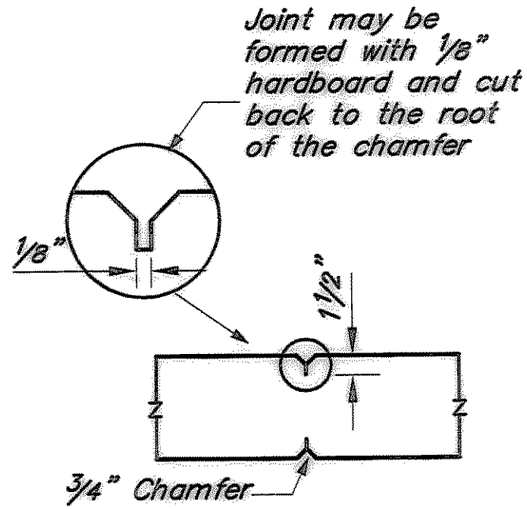
RAIL TRANSITION - PLAN

6 0 1 2 3 4
In. Feet



MIDSPAN EXPANSION JOINT

Locate at Midspan
No Scale



WEAKENED PLANE JOINT

Locate at ¼ Span
No Scale

PLAN

12 6 0 1 2 3
In. Feet

of Concrete Bridge Rail

Nested (2) Thrie Beam Rail

Thrie Beam to W-beam
Transition Section

A

A

Thrie Beam Rail
(Double thickness)
(2) Class A Elements

Terminal
ee Std.
1

THRIE BEAM TRANSITION - ELEVATION

12 6 0 1 2 3
In. Feet

W8x15

2¼"

2½"

℄ 13/16"ø holes
for ¾"ø Bolts

5/8" 4 1/4"

9½"

4"

3/8"

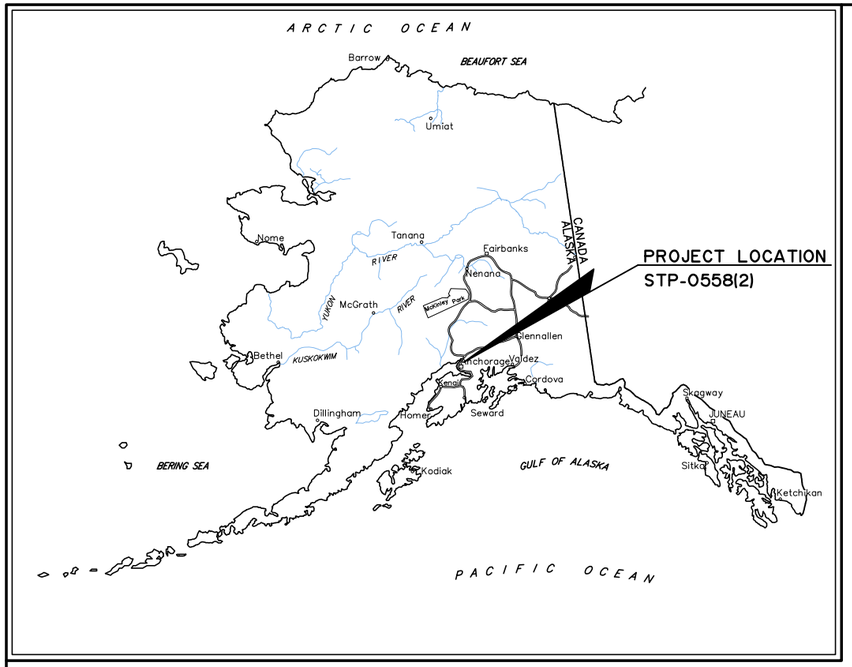
8"

1¾"

6"

13/16"ø

PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
STP-0558(2)	R1	R23



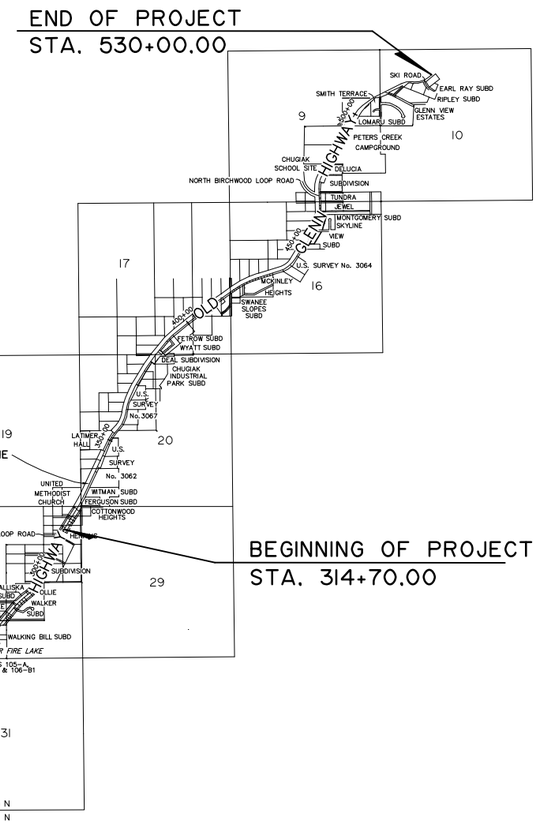
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES

RIGHT OF WAY MAP

ALASKA PROJECT

AMATS: OLD GLENN HWY
S. BIRCHWOOD LOOP TO PETERS CREEK
STP-0558(2)

52515



PROJECT LENGTH 6.537 MI.

0 1/2 1 1.5 2 MI.

SCALE

PLAT APPROVAL

PLAT APPROVED BY THE MUNICIPAL SURVEYOR

THIS _____ DAY OF _____ 20 __

MUNICIPAL SURVEYOR

THOMAS W. KNOX

PLAT APPROVED BY THE MUNICIPAL PLATTING AUTHORITY

THIS _____ DAY OF _____ 20 __

PLATTING OFFICER

JERRY T. WEAVER

CONSULTANT LOCATIONS SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT I AM A PROFESSIONAL LAND SURVEYOR REGISTERED IN THE STATE OF ALASKA AND THAT ALL RIGHT-OF-WAY CENTERLINE MONUMENT LOCATIONS HAVE BEEN ESTABLISHED AS INDICATED ON THE RIGHT-OF-WAY PLANS, ALL EXISTING FOUND SUBDIVISION MONUMENTS, PROPERTY CORNERS AND SECTION LINE MONUMENTATION AS INDICATED ON THE RIGHT-OF-WAY PLANS HAVE BEEN REFERENCED TO PROJECT SURVEY CONTROLS BY ME OR UNDER MY SUPERVISION.

_____ _____

DATE REGISTRATION NUMBER

_____

DOUGLAS F. POPHAM

CONSULTANT RIGHT-OF-WAY SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT I AM A PROFESSIONAL LAND SURVEYOR REGISTERED IN THE STATE OF ALASKA AND THAT THIS PLAT WAS MADE BY ME OR UNDER MY SUPERVISION. THIS PLAT WAS BASED UPON THE MONUMENTS RECOVERED DURING THE DEPARTMENT'S LOCATION SURVEY FOR THIS PROJECT.

_____ _____

DATE REGISTRATION NUMBER

_____

DOUGLAS F. POPHAM

DEPARTMENT OF
TRANSPORTATION & PUBLIC FACILITIES

APPROVED_____, 20____
Date

_____

REGIONAL CHIEF R/W AGENT

ANCHORAGE RECORDING DISTRICT

STATE BUSINESS - NO FEE

PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
STP-0558(2)	R2	R23

	RECOVERED	TO BE SET THIS PROJECT
GOV'T SECTION CORNER	6 5 7 8 Sec. Cor. Fnd.	
GOV'T 1/4 SECTION CORNER	5 6 1/4 Cor. Fnd.	
GOV'T 1/16 SECTION CORNER	1/16 Cor. Fnd.	
GOV'T SURVEY MONUMENT		
GOV'T TRIANGULATION STA.		
PRIMARY MONUMENT [BRASS/AL CAP]		
MISC. CORNER		
CENTERLINE SURVEY MONUMENT		

INTERNATIONAL BOUNDARY LINE — ALASKA / CANADA

TOWNSHIP & RANGE LINE — T. 13 N. / T. 12 N. — R. 5 W.

SECTION OR LOT LINES

1/4 SECTION LINE

1/16 SECTION LINE

CORPORATE or CITY LIMITS

SECTION LINE INTERSECTION — 650+00; N 56°10'43" E; 644+60.14; 32.73; N 0°28'39" E; 6 5 7 8

200+00

PROJECT CENTERLINE

PROJECT RIGHT-OF-WAY LINE

CONTROLLED ACCESS LINE

PERMIT LINE

EXISTING EASEMENT LINE

RAILROAD LINE

LIMIT OF CUT SLOPE

LIMIT OF FILL SLOPE

EXISTING RIGHT-OF-WAY

RIGHT-OF-WAY REQUIRED

STATION EQUATIONS — 143+30.22 BK. = 169+00.16 AH.

EXISTING

U.G. TELEPHONE (DIRECT BURY) — U.G. TELE

U.G. ELECTRIC (DIRECT BURY) — U.G. ELECT

U.G. DUCT

TELEPHONE MANHOLE — TMH

ELECTRIC MANHOLE — EMH

FOUNDATION

BUILDING — H = HOUSE; G = GARAGE; M = MERCHANT/STORE; B = BARN; S = SHED; P = PRIVY; SS = SERVICE STATION; W = WAREHOUSE

INTERMITTENT DRAINAGE

INTERCEPTOR DITCH

GUARD RAIL

RETAINING WALL

NOISE BARRIER

FENCE

STONE FENCE

HEAD & WINGWALLS

TUNNEL

EXISTING ROADWAY

MARSHLAND

CREEKS

RIVERS

LAKES — LAKE

RESERVOIRS — RES.

CHANNEL CHANGE

DECIDUOUS TREE

CONIFER TREE/SHRUB

SHRUB

GROUP OF SHRUBS

HIGHWAY MILEPOST — 143

RAILROAD MILEPOST — 121+25; R.R. 2580+60 HWY. 126+33; 842

PIPELINES:	EXISTING	PROPOSED
SANITARY SEWER	SS	SS
OIL	O	O
GAS	G	G
WATER	W	W
STORM DRAIN	SD	SD
MANHOLE	M.H.	M.H.
FIRE HYDRANT		
METER		
PIPE CULVERTS		
SIDEWALK		
CONCRETE CURB		
CONCRETE CURB & GUTTER		
DRIVEWAYS, APPROACHES, & SIDEDRAINS		
BRIDGE		
RIPRAP		
UTILITY POLE		
LUMINAIRE		
UTILITY POLE WITH LUMINAIRE		
GROUND LIGHT		
POLE ANCHOR		
TRANSMISSION TOWERS [WOOD]		
TRANSMISSION TOWERS [STEEL]		
ELECTRICAL OUTLET		
ELECTRICAL PEDESTAL		
TELEPHONE PEDESTAL		
CABLE T.V. PEDESTAL		
SATELLITE DISH		
PRIVATE SIGN		
GAS PUMP	GAS PUMP	
POST		
BOULDER	BOULDER	
PLANTER	PLANTER	
VENT		
TANK VENT		
WELL	WELL	
SEWER	SEWER	
TANKS		
Above Ground		
Below Ground		

TRAFFIC

PVC CONDUIT

RIGID METAL CONDUIT (EXISTING)

RIGID METAL CONDUIT (PROPOSED)

	EXISTING	PROPOSED
SIGNAL FACE, VEHICULAR	9	9
SIGNAL FACE, BACKPLATE	9	9
SIGNAL FACE, LEFT TURN, BACKPLATE	9	9
SIGNAL FACE, PEDESTRIAN	12	12
JUNCTION BOX, TYPE I	8	8
JUNCTION BOX, TYPE II	5	5
JUNCTION BOX, TYPE III	3	3
DETECTOR, LOOP	4	4
DETECTOR, MAGNETOMETER	M	M
DETECTOR, RADAR	R	R
DETECTOR, SONIC	S	S
DETECTOR, OPTICOM		
DETECTOR, PUSH BUTTON (DIRECTION)	5	5
SIGNAL CONTROLLER		
LOAD CENTER		
SIGNAL POLE	2	4
SIGNAL POLE w/MASTARM	3	5

FOR STRIPING PLANS:

SOLID WHITE STRIPE — W

SOLID YELLOW STRIPE — Y

BROKEN WHITE or YELLOW STRIPE — W Y

DASH YELLOW STRIPE — Y

SOLID YELLOW STRIPE with BROKEN YELLOW STRIPE — Y

ANCHORAGE RECORDING DISTRICT

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES
CENTRAL REGION

STP-0558(2)

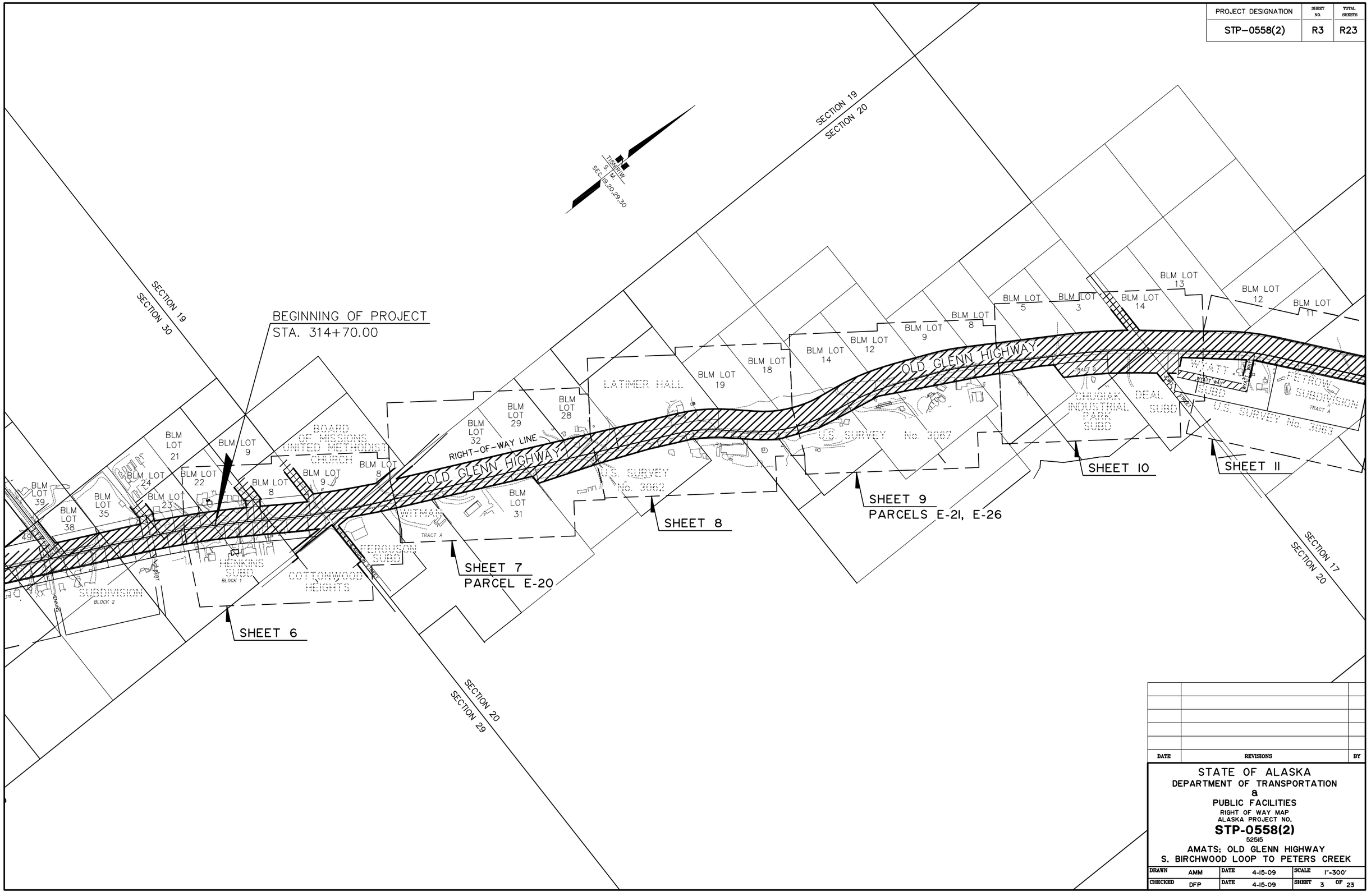
52515

STANDARD LEGEND SHEET

OLD GLENN HIGHWAY REHABILITATION

DRAWN	DATE 4-15-09	SCALE
CHECKED DFP	DATE 4-15-09	SHEET 2 OF 23

PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
STP-0558(2)	R3	R23



DATE	REVISIONS	BY

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES

RIGHT OF WAY MAP
ALASKA PROJECT NO.
STP-0558(2)
52515

AMATS: OLD GLENN HIGHWAY
S. BIRCHWOOD LOOP TO PETERS CREEK

DRAWN	AMM	DATE	4-15-09	SCALE	1"=300'
CHECKED	DFP	DATE	4-15-09	SHEET	3 OF 23

PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
STP-0558(2)	R4	R23

T15N R1W S.M. SEC. 16,17,20

SECTION 17
SECTION 16
SECTION 9
SECTION 16
SECTION 17
SECTION 20

BLM LOT 3
BLM LOT 14
BLM LOT 13
BLM LOT 12
BLM LOT 11
BLM LOT 5
BLM LOT 6
BLM LOT 7
BLM LOT 3
BLM LOT 2
BLM LOT 1
BLM LOT 15
BLM LOT 14
BLM LOT 13
BLM LOT 12
BLM LOT 8
BLM LOT 7
BLM LOT 11
BLM LOT 9
BLM LOT 5
BLM LOT 4
BLM LOT 17
BLM LOT 10
BLM LOT 9

RIGHT-OF-WAY LINE

CHUGIAK INDUSTRIAL PARK SUBD
DEAL SUBD
WYATT SUBD
PETROW SUBDIVISION
TRACT A
U.S. SURVEY No. 3063
SWANEE ADDITION
BLOCK 1
TRACT A
SLOPES SUBD
MCKINLEY HEIGHTS SUBD
BLOCK 1
U.S. SURVEY No. 3064
SKYLINE VIEW
BLOCK 1
SKYLINE VIEW
BLOCK 3
TRACT A
SUBD
CHUGIAK SCHOOL SITE
NORTH BIRCHWOOD SUBDIVISION
TRACT 1
DELUCIA SUBDIVISION
TUNDRA JEWEL RANCH
MONTGOMERY SUBD

BIRCHWOOD LOOP
NORTH BIRCHWOOD LOOP ROAD
AMONSON ROAD
WYATT WAY
TUNDRA JEWEL STREET

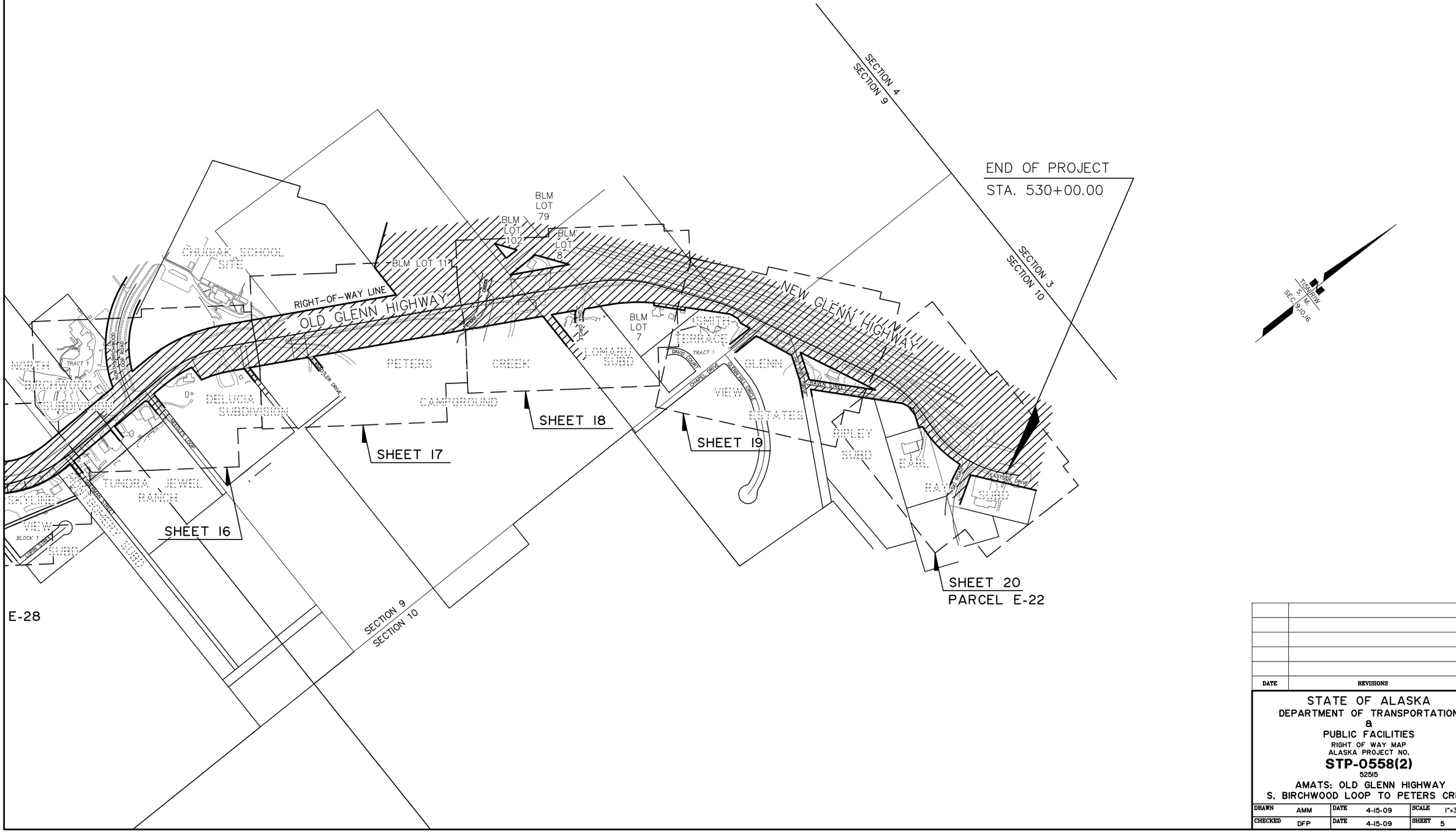
SHEET 10
SHEET 11
SHEET 12
SHEET 13
SHEET 14
PARCEL E-25
SHEET 15
PARCEL E-27, E-28
SHEET 16

DATE	REVISIONS	BY

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES
RIGHT OF WAY MAP
ALASKA PROJECT NO.
STP-0558(2)
52515
AMATS: OLD GLENN HIGHWAY
S. BIRCHWOOD LOOP TO PETERS CREEK

DRAWN	AMM	DATE	4-15-09	SCALE	1"=300'
CHECKED	DFP	DATE	4-15-09	SHEET	4 OF 23

PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
STP-0558(2)	R5	R23



DATE	REVISIONS	BY

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES
RIGHT OF WAY MAP
ALASKA PROJECT NO.
STP-0558(2)
52515
AMATS: OLD GLENN HIGHWAY
S. BIRCHWOOD LOOP TO PETERS CREEK

DRAWN	AMM	DATE	4-15-09	SCALE	1"=300'
CHECKED	DFP	DATE	4-15-09	SHEET	5 OF 23

PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
STP-0558(2)	R6	R23

BEGINNING OF PROJECT
STATION 314+70.00

BLM LOT 22
Jul 13, 1955

BLM LOT 9

BLM LOT 8
Jul 14, 1955

BOARD OF MISSIONS
UNITED METHODIST CHURCH
PLAT NO. 86-200RS
Oct 22, 1959

BLM LOT 8

Pat. 1175882

Pat. 1179075

Pat. 50-86-0376

Pat. 50-85-0504

Found 1/16 Cor.

33' SECTION LINE EASEMENT

N 89°57'15" W
1213.64

SECTION 19
SECTION 30

N = 395847.382
E = 413938.430
PI 324+69.66
Δ = 8°01'23" LT
T = 403.182
L = 805.047
R = 5749.156

323+90.14
145.25 LT

328+46.50
137.31 LT

RIGHT-OF-WAY LINE
PLO 1613
R=5599.16
L=518.77

33' SECTION LINE EASEMENT

N 0°40'21" W
1132.44

MATCH LINE STA. 329+50.00 SHEET 7

S 89°58'56" E
L=9.68
R=5879.58

319+00.99
150.00 Lt

N 33°06'55" E
9.68

320+10.47
150.00 Lt

320+00.78
150.00 Lt

318+91.57
150.00 Lt

S 56°53'05" E
50.00

Commissioners Deed
Book 258, Page 595

RIGHT-OF-WAY LINE
R=5829.58

319+00.92
100.00 Lt

320+00.78
100.00 Lt

321+68.55
99.11 RT

323+41.32
96.10 LT

R=5649.16
L=169.86

N 33°06'55" E
166.00

PC = 320+69.48

BLM LOT 111
Sep 9, 1965

BLM LOT 110
No Patent

BLM LOT 53
Apr 17, 1995

BLM LOT 46
Aug 20,1973

326+47.40

328+38.55
62.58 RT

BLM LOT 113
Sep 9, 1965

BLM LOT 116
Sep 9, 1965

BLM LOT 113
Sep 9, 1965

OLD GLENN HIGHWAY

L=368.85

320+00
N 33°06'55" E
157.68

R=5729.58
L=238.80

L=750.72

BLM LOT 114
Oct 14, 1968

BLM LOT 147
Jun 18, 1984

BLM LOT 146
Aug 2, 1983

BLM LOT 168
Aug 2, 1983

BLM LOT 167
No Patent

324+35.33

STA. 0+00.00
MATCH EXISTING

S 60°51'58" E
102.99

N 39°57'15" W
186.66

BLM LOT 54
No Patent

325+00
L=212.07

BLM LOT 48
Aug 20,1973

326+08.17
58.58 RT

R=5749.16
L=224.13

R=5799.16
L=232.84

R=5799.16
L=132.67

Plat 77-3

Pat. 1127178

RIGHT-OF-WAY LINE

10' UTILITY EASEMENT

BLM LOT 117
Oct 21, 1965

BLM LOT 115
Aug 23, 1984

BLM LOT 115

STA. 314+50.00 PHASE 1

R=5629.58

L=676.25

Commissioners Deed
Book 258, Page 595
Plat P-387

319+08.80
100.00 Rt

PT = 319+08.80

N 33°06'55" E
257.99

321+65.06
100.86 RT

R=5849.16
L=233.78

RIGHT-OF-WAY LINE

324+85.10
89.96 RT

325+29.18
102.58 RT

Sep 14, 1948
BLM Lot 10

Found Stone Corner

33.00

LAUGHLIN STREET

PLAT NO. 77-3
10' UTILITY EASEMENT

S 89°35'36" W
2640.09

10' UTILITY EASEMENT

FERGUSON
SUBDIVISION
PLAT NO. 77-3
Sep 14, 1948
3

HENKINS
SUBDIVISION
PLAT NO. P-387
Aug 2, 1983
LOT 1A

N = 395062.775
E = 413426.652
PI 315+33.97
Δ = 7°30'26" RT
T = 375.898
L = 750.719
R = 5729.578

33' SECTION LINE EASEMENT

N 0°34'12" W

PLAT NO. 71-291

NW 1/4, NW 1/4
NW 1/4, NW 1/4

S 89°35'36" W

657.89

SECTION 20
SECTION 29

7
6
BLOCK 1
5
4
3

HENKINS SUBDIVISION
PLAT NO. P-387
BLOCK 1
June 5, 1950

15
16

SECTION 30
SECTION 29

30.00

33.00

Found 1/16 Cor.

T13N R1W
SEC'S 19,20,29,30

COTTONWOOD
HEIGHTS
PLAT NO. 71-291
Sep 14, 1948
1
BLOCK 1

2

COTTONWOOD
HEIGHTS
PLAT NO. 71-291
Sep 14, 1948
13
BLOCK 1

STATE OF ALASKA
49TH
DOUGLAS F. POPHAM
LS 10161
REGISTERED PROFESSIONAL LAND SURVEYOR

CONSULTANT LOCATIONS SURVEYORS CERTIFICATE
CONSULTANT RIGHT-OF-WAY SURVEYORS CERTIFICATE

NOTE 1.

THE STATE OF ALASKA, DEPARTMENT OF HIGHWAYS EXECUTED A COMMISSIONERS DEED OF VACATION, RECORDED AT BOOK 258, PAGE 0595(12/22/77). THIS DEED MAY NOT HAVE VACATED ALL THE RIGHT THE PUBLIC OR MUNICIPAL ENTITIES ENJOYED TO THE EASEMENTS AND PLAT DEDICATIONS RESERVED THAT FRONTED ON THE OLD GLENN HIGHWAY.

50 0 50 100 150 200
Scale in Feet

ANCHORAGE RECORDING DISTRICT

DATE	REVISIONS	BY
3-16-08	Added Design CL, Adjusted Layouts, Segregated Phases 1&2.	DFP
2-18-09	Changed BOP to Sta 314+70	DFP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES
RIGHT OF WAY MAP
ALASKA PROJECT NO.

STP-0558(2)

52515

AMATS: OLD GLENN HWY
S. BIRCHWOOD LOOP TO PETERS CREEK

DRAWN	AMM	DATE	4-15-09	SCALE	1"=50'
CHECKED	DFP	DATE	4-15-09	SHEET	6 OF 23

E-20	SLOPE ESMT	TODD TIX		0.047 AC	0.047 AC		2006-076022-0
PARCEL NO.	INTEREST TO BE ACQUIRED	OWNER	LARGER PARCEL	TAKE INCLUDING EXISTING ESMT	NET TAKE	REMAINDER	RECORDED DOCUMENT NO.
PARCEL INFORMATION							

PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
STP-0558(2)	R7	R23

Fnd. 1/16 Cor.

T13N R5W
SEC. 19
SEC. 20

33' SECTION LINE EASEMENT
N 0°40'21" W
1132.44
SECTION 19
SECTION 20
33' SECTION LINE EASEMENT

BLM LOT 32
Aug 20, 1973

S 89°33'27" W
550.37

BLM LOT 29
Aug 20, 1973

BLM LOT 28
Apr 18, 1952

733.14

S 25°05'32" W

338+39.59
136.00 LT

PLO 1613

5' CABLE EASEMENT
10' MAINTENANCE EASEMENT

BLM LOT 44
Apr 22, 1965

BLM LOT 46

MATCH LINE STA. 344+00.00 SHEET 8

843.49
S 25°05'32" W

BLM LOT 46
Aug 20,1973

N 25°05'32" E
2121.21

340+00

329+70.85
136.00 LT

329+96.10
136.00 LT

335+00 OLD GLENN HIGHWAY

136.00

70.83

BLM Lot 47
Sep 9, 1965

BLM Lot 45
Sep 9, 1965

447.42
N 19°57'28" E

USS 3062

339+35.13
64.00 RT

339+62.53
121.36 RT

339+68.17
121.36 RT

S 89°33'27" W
64.57

N 25°05'32" E
5.64

RIGHT-OF-WAY LINE

731.61

64.00

BLM Lot 48
Aug 20,1973

10'

201.40

206.18

Pat. 1137178

S 89°35'00" W
11.08

U.S. SURVEY No. 3062

LOT 1
Apr 12, 1949

330+00

S 25°05'32" W

164.56

S 64°54'28" W
10.00

E-20

N 25°05'32" E

MATCH LINE STA. 329+50.00 SHEET 6

S 25°05'32" W
232.67
Plat 72-91

332+03.52
64.00 RT

S 89°35'00" W
199.05

S 89°36'28" W 593.66

S 89°33'27" W 773.40

329+70.85
64.00 RT

WITMAN
PLAT NO. 72-91
Sep 14, 1948
TRACT A

S 89°35'07" W

SE 1/4 NW 1/4
SW 1/4 SW 1/4

PORTION OF
BLM LOT 31
Sep 14, 1948

330.30

357.64

S. 0°35'19" E.

SE LOT 1

Fnd.1/16 Cor.

50 0 50 100 150 200
Scale in Feet

STATE OF ALASKA
49TH
DOUGLAS F. POPHAM
LS 10161
REGISTERED PROFESSIONAL LAND SURVEYOR

CONSULTANT LOCATIONS SURVEYORS CERTIFICATE
CONSULTANT RIGHT-OF-WAY SURVEYORS CERTIFICATE

ANCHORAGE RECORDING DISTRICT

3-16-08	Added Design CL, Adjusted Layouts, Segregated Phases 1&2.	DFP
DATE	REVISIONS	BY

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES
RIGHT OF WAY MAP
ALASKA PROJECT NO.

STP-0558(2)

52515

AMATS: OLD GLENN HWY
S. BIRCHWOOD LOOP TO PETERS CREEK

DRAWN	AMM	DATE	4-15-09	SCALE	1"=50'
CHECKED	DFP	DATE	4-15-09	SHEET	7 OF 23

PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
STP-0558(2)	R8	R23

T15S R1E W
S. M.
SEC 30

Fnd 1/4 Cor.

S 89°34'51" W
1271.02

BLM LOT 18
Aug 20, 1973

BLM LOT 19
Aug 20, 1973

N = 398772.507
E = 415525.527
PI 358+17.73
Δ = 33°51'00" LT
T = 365.16
L = 708.95
R = 1200.00

SW TRACT A

S 89°27'13" W
388.06

LATIMER HALL
PLAT NO. 88-27
PLAT NO. 86-154

TRACT A
Mar 31, 1955

Permit
350+80.45
138.93 LT

Permit
349+63.17
136.00 LT

350+32.97
136.87 LT

10' X 10'
ANCHOR
EASEMENT

N = 398277.438
E = 415076.353
PI 351+51.63
Δ = 17°07'30" RT
T = 158.90
L = 315.43
R = 1055.33

L=285.29 R=1205.33

352+84.14
147.98 LT

L=74.98
R=1205.33

353+55.71
150.00 LT

N 42°13'02" E
183.78

PLO 1613

355+51.67
146.41 LT

L=479.48
R=811.59

RIGHT-OF-WAY LINE
PLO 1613

465.45

N 25°05'32" E

345+72.73
136.00 LT

15' TELECOMMUNICATIONS AND ELECTRICAL EASEMENT

733.14

S 64°54'28" E
75.00

10' BUFFER EASEMENT

150.00

N 64°54'28" W
232.60

S 25°05'32" W 128.71

PROPOSED PERMIT AREA

N 64°54'28" W
31.41

L=267.54 R=1130.33

352+88.59
75.00 LT

N 51°21'07" W
75.00

PT = 353+08.19

PC = 354+52.57

BLM LOT 33
Aug 20, 1973

350+38.80
75.00 LT

350+00

15' TELECOMMUNICATIONS AND ELECTRICAL EASEMENT

L=315.43 R=1055.33

N 42°13'02" E
144.41

355+00

OLD GLENN HIGHWAY

L=708.95
R=1200.00

MATCH LINE STA. 358+50.00 SHEET 9

BLM LOT 44
Apr 22, 1965

345+73.35
75.00 LT

N 25°05'32" E
2121.21

DEDICATED PUBLIC RIGHT-OF-WAY

OLD GLENN HIGHWAY

BLM LOT 41
Sep 9, 1965

N 89°36'27" E
4.18

BLM LOT 39
Sep 9, 1965

BLM LOT 42
Sep 9, 1965

351+14.90
59.75 RT

L=230.87
R=1005.33

N 42°13'02" E
Pat. 1138520

183.78

353+55.71
50.00 RT

50.00

BLM LOT 39
Sep 9, 1965

357+10.97
62.49 RT

R=1011.59
L=183.86

N 89°37'53" E
0.97

BLM LOT 38

S 22°37'51" W
292.17

357+11.44
63.34 RT

345+00

MATCH LINE STA. 344+00.00 SHEET 7

BLM LOT 43
Sep 9, 1965

262.66

S 25°12'37" W

351+12.55
56.20 RT

S 25°12'37" W
67.75

350+41.00
61.45 RT

PC = 349+92.74

BLM LOT 43
Sep 9, 1965

344+13.80
81.32 RT

S 22°01'37" W
362.23

USS 3062

RIGHT-OF-WAY LINE

347+75.51
61.95 RT

354+58.06
50.01 RT

355+35.87
53.02 RT

S 89°37'53" W
480.01

U.S. SURVEY
No. 3067
Sept, 1946

LOT 1

Fnd. NE Lot 20

BLM LOT 20
April 1, 1946

N 89°36'27" E
197.64

U.S. SURVEY No. 3062
April, 1947
LOT 2

N 0°21'47" W
67.17

S 89°34'51" W
1372.75

BLM LOT 22
April 1, 1946

LOT 2

S 89°35'52" W
438.35

NE LOT 1

Fnd.1/4 Cor.

50 0 50 100 150 200
Scale in Feet

ANCHORAGE RECORDING DISTRICT

DATE	REVISIONS	BY
3-16-08	Added Design CL, Adjusted Layouts, Segregated Phases 1&2.	DFP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES
RIGHT OF WAY MAP
ALASKA PROJECT NO.

STP-0558(2)

52515

AMATS: OLD GLENN HWY
S. BIRCHWOOD LOOP TO PETERS CREEK

DRAWN	AMM	DATE	4-15-09	SCALE	1"=50'
CHECKED	DFP	DATE	4-15-09	SHEET	8 OF 23

STATE OF ALASKA
49TH
REGISTERED PROFESSIONAL LAND SURVEYOR
DOUGLAS F. POPHAM
LS 10161

CONSULTANT LOCATIONS SURVEYORS CERTIFICATE
CONSULTANT RIGHT-OF-WAY SURVEYORS CERTIFICATE

PARCEL NO.	INTEREST TO BE ACQUIRED	OWNER	LARGER PARCEL	TAKE INCLUDING EXISTING ESMT	NET TAKE	REMAINDER	RECORDED DOCUMENT NO.
E-21	UTILITY ESMT	EKLUTNA, INC./COOK INLET REGION, INC.		0.013 AC	0.013 AC		2007-031863-0
E-26	DRAINAGE ESMT	SIEGEL DANIEL L & STEVEN R		0.132 AC	0.132 AC		

PARCEL INFORMATION

PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
STP-0558(2)	R9	R23

BLM LOT 14
Aug 20, 1973

BLM LOT 12
Aug 20, 1973

BLM LOT 9
Aug 20, 1973

BLM LOT 8
Aug 20, 1973

BLM LOT 18
Aug 20, 1973

BLM LOT 33

BLM LOT 37
Sep 9, 1965

BLM LOT 36
Sep 9, 1965

BLM LOT 38
Sep 9, 1965

LOT 2
March 1944

LOT 3
March 1944

LOT 4

LOT 5

LOT 1
Sept. 1946

U.S. SURVEY No. 3067
May 25, 1949

U.S. SURVEY No. 3067

USS 3067

N = 399388.291
E = 415616.099
PI 364+18.77
Δ = 14°28'00" RT
T = 211.96
L = 421.66
R = 1670.00

N = 399937.829
E = 415847.486
PI 370+12.79
Δ = 8°15'00" RT
T = 100.25
L = 200.15
R = 1390.00

N = 398772.507
E = 415525.527
PI 358+17.73
Δ = 33°51'00" LT
T = 365.16
L = 708.95
R = 1200.00

DETAIL
N.T.S.

SEE DETAIL

E-21

E-26

PLO 1613

OLD GLENN HIGHWAY

RIGHT-OF-WAY LINE

5' CABLE EASEMENT

10' MAINTENANCE EASEMENT

CHUGIAK INDUSTRIAL PARK

TRACT H

MATCH LINE STA. 373+50.00 SHEET 10

MATCH LINE STA. 358+50.00 SHEET 8

T15N R1W S.M. SEC. 20

Scale in Feet

ANCHORAGE RECORDING DISTRICT

DATE	REVISIONS	BY
3-16-08	Added Design CL, Adjusted Layouts, Segregated Phases 1&2.	DFP
4-13-09	Added E-26.	DFP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES
RIGHT OF WAY MAP
ALASKA PROJECT NO.

STP-0558(2)

52515

AMATS: OLD GLENN HWY
S. BIRCHWOOD LOOP TO PETERS CREEK

DRAWN	AMM	DATE	4-15-09	SCALE	1"=50'
CHECKED	DFP	DATE	4-15-09	SHEET	9 OF 23

STATE OF ALASKA
49TH
DOUGLAS F. POPHAM
LS 10161
REGISTERED PROFESSIONAL LAND SURVEYOR

CONSULTANT LOCATIONS SURVEYORS CERTIFICATE
CONSULTANT RIGHT-OF-WAY SURVEYORS CERTIFICATE

PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
STP-0558(2)	R10	R23

BLM LOT 5
Aug 20, 1973

BLM LOT 3
Aug 20, 1973

BLM LOT 14
Aug 20, 1973

BLM LOT 13
Aug 20, 1973

BLM LOT 8
Aug 20, 1973

33' SECTION LINE EASEMENT

S 89°37'09" W

SECTION 17
SECTION 20

N = 400846.947
E = 416407.612
PI 380+97.34
Δ = 7°48'00" RT
T = 252.24
L = 503.70
R = 3700.00

378+46.18
142.00 LT

PLO 1613

L=438.88 R=3825.48

382+68.84
142.02 LT

383+50.30
142.00 LT

RIGHT-OF-WAY LINE

N 38°53'02" E

613.35

5' CABLE EASEMENT
10' MAINTENANCE EASEMENT

N 31°05'02" E 732.98

Found MC 1/4 Cor.

128.70

BLM LOT 33
Aug 20, 1973

PC = 378+45.99

OLD GLENN HIGHWAY

380+00

L=503.70 R=3700.00

384+23.78

383+99.33

Sec 20

1/4 Cor

50.53

BLM LOT 25
Aug 20, 1973

385+00

N 38°53'02" E

645.35

570.37

375+00

N 31°05'02" E
732.41

BLM LOT 35

BLM LOT 28
Sep 9, 1965

BLM LOT 36
Sep 9, 1965

S 32°17'54" W
103.44

454.93

S 28°05'03" W

USS 3067

376+31.82
58.03 RT

377+35.24
60.22 RT

BLM LOT 35
Sep 9, 1965

BLM LOT 34
Sep 9, 1965

BLM LOT 30
Sep 9, 1965

BLM LOT 29

PT = 383+48.80

S 89°32'56" W
1308.01

386+48.79
45.99 RT

S 40°17'52" W
458.68

USS 3063

N 89°39'22" E
114.59

377+94.99
158.00 RT

N 31°05'02" E
51.23

R=3525.48

L=264.50

381+22.57
157.96 RT

RIGHT-OF-WAY LINE

R=3525.48

L=215.44

Plat 96-4

N 38°53'02" E
128.02

383+47.62
158.00 RT

384+75.69
158.00 RT

385+53.29
158.00 RT

N 38°53'02" E
72.56

386+25.83
158.00 RT

386+30.41
135.63 RT

S 50°17'59" W
75.36

6

WYATT

May 27, 1949

5

U.S. SURVEY
No. 3063

386+20.37
184.61 RT

S 50°17'59" W
71.51

386+11.31
228.83 RT

WYATT WAY

SUBD

7

8

9

PLO 1613
Jul 6, 1951
BLM LOT 15

JEWEL STREET

60.00

91.50

N 39°31'54" W 91.50

45.13

27.17

54.62

S 50°19'40" W
67.06

386+00.34
282.34 RT

Fnd. 1/16 Cor.

TRACT G

DEAL SUBDIVISION
PLAT NO. 64-21
Jul 6, 1951

N 89°32'56" E
Plat 64-21

CENTERLINE OF EXISTING POWERLINE

LOT 1A

CHUGIAK INDUSTRIAL PARK SUBDIVISION
PLAT NO. 92-12
Jul 20, 1951
BLM Lot 6

2639.44
2620.53
S 0°36'52" E

TRACT G

U.S. SURVEY No. 3067
May 25, 1949
LOT 4

TRACT H

FORMER LOT LINE OF LOT 4 USS 3067

Fnd. C 1/4

10' TELECOMMUNICATION AND ELECTRIC EASEMENT

T15N R1W
S.M.
SEC. 17-20

MATCH LINE STA: 373+50.00 SHEET 9

MATCH LINE STA: 388+00.00 SHEET 11

50 0 50 100 150 200
Scale in Feet

STATE OF ALASKA
49TH
DOUGLAS F. POPHAM
LS 10161
REGISTERED PROFESSIONAL LAND SURVEYOR

CONSULTANT LOCATIONS SURVEYORS CERTIFICATE
CONSULTANT RIGHT-OF-WAY SURVEYORS CERTIFICATE

ANCHORAGE RECORDING DISTRICT

DATE	REVISIONS	BY
3-16-08	Added Design CL, Adjusted Layouts, Segregated Phases 1&2.	DFP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES
RIGHT OF WAY MAP
ALASKA PROJECT NO.

STP-0558(2)

52515

AMATS: OLD GLENN HWY
S. BIRCHWOOD LOOP TO PETERS CREEK

DRAWN	AMM	DATE	4-15-09	SCALE	1"=50'
CHECKED	DFP	DATE	4-15-09	SHEET	10 OF 23

PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
STP-0558(2)	R11	R23

BLM LOT 12

N = 401684.934
E = 417067.267
PI 391+47.39
Δ = 11°40'00" RT
T = 153.25
L = 305.43
R = 1500.00

BLM LOT 13
Aug 20, 1973

BLM LOT 11
Aug 20, 1973

BLM LOT 5
Aug 20, 1973

BLM LOT 6
Aug 20, 1973

N = 402280.298
E = 417790.801
PI 400+83.32
Δ = 3°49'00" RT
T = 139.94
L = 279.78
R = 4200.00

392+73.68
136.24 LT

RIGHT-OF-WAY LINE

PLO 1613

N 50°33'02" E 762.41

400+30.90
136.94 LT

R=4329.28 L=288.39

389+63.65
142.00 LT

L=335.98 R=1650.00

N 38°53'02" E 613.35

PT = 392+99.58

PC = 399+43.38

PT = 402+23.16

MATCH LINE STA. 388+00.00 SHEET 10

MATCH LINE STA. 402+50.00 SHEET 12

PC = 388+94.14

390+00

L=305.43 R=1500.00

N 38°53'02" E 645.35

OLD GLENN HIGHWAY

395+00

N 50°33'02" E
643.81

400+00

L=279.78 R=4200.00

Aug 20, 1973
BLM LOT 27

BLM LOT 28

BLM LOT 26
Sep 9, 1965

BLM LOT 24
Sep 9, 1965

BLM LOT 25
Aug 20, 1973

BLM LOT 23
Sep 9, 1965

399+94.54
51.36 RT

S 39°42'39" E
12.33

399+94.75
63.69 RT

N 50°33'02" E
39.78

L=275.06 R=4129.28

400+35.13
63.01 RT

391+11.59
52.88 RT

S 50°12'34" W
102.62

391+64.08
49.26 RT

S 50°12'34" W
63.38

393+34.72
54.19 RT

S 50°19'53" W
659.20

RIGHT-OF-WAY LINE

S 40°17'52" W
458.68

USS 3063

USS 3063

Plat P-350

S 39°17'36" E

50.00

WYATT WAY

WYATT
PLAT NO. P-350
May 27, 1949

SUBD

LOT 1

FETROW SUBDIVISION
PLAT NO. 85-33

TRACT A
Mar 17, 1949

POWERLINE

15' ELECTICAL &
TELECOMMUNICATION EASEMENT

LOT 2

317.96

S 39°42'39" E

BLM LOT 10
Apr 25, 1947

1 2 3 4

9 10 11 12 13

U.S. SURVEY No. 3063

BLM LOT 16
Sep 20, 1951

T15N R4W
S.M.
SEC. 17

50 0 50 100 150 200
Scale in Feet

STATE OF ALASKA
49TH
DOUGLAS F. POPHAM
LS 10161
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CONSULTANT RIGHT-OF-WAY SURVEYORS CERTIFICATE

ANCHORAGE RECORDING DISTRICT

DATE	REVISIONS	BY
3-16-08	Added Design CL, Adjusted Layouts, Segregated Phases 1&2.	DFP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES
RIGHT OF WAY MAP
ALASKA PROJECT NO.

STP-0558(2)

52515

AMATS: OLD GLENN HWY
S. BIRCHWOOD LOOP TO PETERS CREEK

DRAWN	AMM	DATE	4-15-09	SCALE	1"=50'
CHECKED	DFP	DATE	4-15-09	SHEET	11 OF 23

PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
STP-0558(2)	R12	R23

BLM LOT 6
Aug 20, 1973

NW Cor lot 7

575.44

S 0°39'10" E

BLM LOT 7
Apr 26, 1956

BLM LOT 3
Mar 31, 1952

N 0°41'42" W
342.58

BLM LOT 2
Mar 31, 1952

403+12.87
142.00 LT
L=288.39

RIGHT-OF-WAY LINE

PLO 1613

S 54°22'02" W 1583.79

BLM LOT 1
Mar 31, 1952

MATCH LINE STA: 402+50.00 SHEET 11

BLM LOT 22
Sep 9, 1965

142.00

BLM LOT 17
Aug 20, 1973

405+00

OLD GLENN HIGHWAY

410+00

N 54°22'02" E 1738.72

BLM LOT 17
Aug 20, 1973

415+00

MATCH LINE STA: 417+50.00 SHEET 13

L=275.06

403+12.87
58.00 RT

58.00

BLM LOT 21
Sep 9, 1965

S 54°22'02" W 816.97

Pat. 1137726

RIGHT-OF-WAY LINE

411+29.84
58.00 RT

Plat 73-187

BLM LOT 21
Sep 9, 1965

S 54°22'02" W 159.75

BLM LOT 20
Sep 9, 1965

S 54°22'02" W
412+89.59
58.00 RT

200.10

Pat. 1137726

BLM LOT 19
Sep 9, 1965

S 54°22'02" W
414+89.69
58.00 RT

270.59

Plat 73-187

S 35°56'27" E 109.16

S 35°42'08" E 109.09

1

6

7

S 54°20'51" W 199.64

20'

20' UTILITY & VEHICULAR ACCESS

S 0°37'56" E

BENDING BIRCH DRIVE

SECTION 17

SECTION 16

2

3

4

5

13

10' UTILITY EASEMENT

SWANEE SLOPES SUBD
ADDITION #1
PLAT NO. 73-187
BLOCK 1
Apr 25, 1947

BENDING BIRCH DRIVE

TRACT A

S 0°37'56" E 841.63

TO OLD GLENN HIGHWAY PROJECT

Fnd. 1/16 Cor.

BLM LOT 10
Apr 25, 1947

BLM LOT 9
Apr 25, 1947

T15N R01W
S.M.
SEC 16,17

STATE OF ALASKA
49TH
DOUGLAS F. POPHAM
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CONSULTANT LOCATIONS SURVEYORS CERTIFICATE

CONSULTANT RIGHT-OF-WAY SURVEYORS CERTIFICATE

50 0 50 100 150 200
Scale in Feet

ANCHORAGE RECORDING DISTRICT

DATE	REVISIONS	BY
3-16-08	Added Design CL, Adjusted Layouts, Segregated Phases 1&2.	DFP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES
RIGHT OF WAY MAP
ALASKA PROJECT NO.

STP-0558(2)

52515

AMATS: OLD GLENN HWY
S. BIRCHWOOD LOOP TO PETERS CREEK

DRAWN	AMM	DATE	4-15-09	SCALE	1"=50'
CHECKED	DFP	DATE	4-15-09	SHEET	12 OF 23

PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
STP-0558(2)	R13	R23

BLM LOT 1
Mar 31, 1952

Fnd. 1/4 Cor.

BLM LOT 1
Mar 31, 1952

33' SECTION LINE EASEMENT

50' SECTION LINE EASEMENT

418+96.66
142.00 LT

S 54°22'02" W 1583.79

477.85'

S 0°37'56" E

BLM LOT 15
Apr 27, 1960

N = 403656.292
E = 419710.451
PI 424+45.09
Δ = 18°18'00" RT
T = 483.21
L = 958.19
R = 3000.00

BLM LOT 14
Apr 27, 1960

419+96.34
142.18 LT

R=2998.07

L=944.65

PLO 1613

S 0°38'36" E 599.31

RIGHT-OF-WAY LINE

BLM LOT 13
Apr 27, 1960

MATCH LINE STA: 417+50.00 SHEET 12

STA. 418+00.00 OGH

STA. 0+03.50

S35°55'06" E 23.98'

BLM LOT 18
Aug 20, 1973
No Patent

418+36.61

S 0°37'56" E

BLM LOT 21
Mar 19, 1964

PC = 419+61.88

420+00

BLM LOT 33
No Patent

STA. 423+49.00 OGH

STA. 0+00.00

S35°55'06" E 23.98'

N 54°22'02" E 124.36

BLM LOT 19
417+60.28
58.00 RT

BLM LOT 68
Sep 9, 1965

BLM LOT 67
Sep 9, 1965

BLM LOT 66
Sep 7, 1984

BLM LOT 65

BLM LOT 64
Jul 11, 1985

PC = 0+37.41

L=958.19

423+16.58
56.28 RT

R=3000.00

425+00

428+97.93
142.09 LT

BLM LOT 37

418+33.53
58.00 RT

S 54°22'02" W
151.53

Plat P-357

419+85.52
57.91 RT

R=2798.07

L=209.88

BLM LOT 34
Sep 9, 1965

R=2798.07

L=114.90

Plat P-629A

421+99.48
56.64 RT

May 25, 1949

PC = 0+43.60

BLM LOT 63
Sep 9, 1965

BLM LOT 62

OLD GLENN HIGHWAY

BLM LOT 31
Sep 9, 1965

BLM LOT 61
Sep 9, 1965

BLM LOT 60

BLM LOT 59

BLM LOT 58
Sep 9, 1965

BLM LOT 57

BLM LOT 56
Sep 9, 1965

BLM LOT 12
Apr 27, 1960

N 0°36'36" W 488.37

96.84'

N 72°40'02" E 249.61'

909.73

142.00

MATCH LINE STA: 434+00.00 SHEET 14

BENDING BIRCH DRIVE

S55°55'06" E

MATCH EXISTING

PT = 0+89.27

S 0°37'56" E

SWANEE SLOPES
SUBD
PLAT NO. P-357
Apr 25, 1947

N = 403231.3517
E = 419221.3543
PI 0+63.94
Δ = 29°42'52"
T = 26.53
L = 51.86
R = 100.00

SWANEE COURT

423+80.82
56.18 RT

N = 403530.2342
E = 419672.4272
PI 0+55.82
Δ = 27°29'05"
T = 12.23
L = 23.99
R = 50.00

PC = 0+67.55

S 0°45'16" E 177.53'

2+00

S 0°45'16" E

R=2798.07

RIGHT-OF-WAY LINE

L=505.87

428+96.43
57.91 RT

PT = 429+20.07

430+00

Plat P-629A

N 72°40'02" E

789.45'

553.14'

MCKINLEY HEIGHTS
PLAT NO. P-629A
May 25, 1949
BLOCK 1

STA. 2+70.00
MATCH EXISTING

PT = 2+63.94

S22°20'17" E

N = 403330.9674
E = 419675.0511
PI 2+54.64
Δ = 21°35'02"
T = 9.53
L = 18.84
R = 50.00

AMONSON ROAD

MCKINLEY HEIGHTS SUBD

BLM LOT 18

AMONSON ROAD

MCKINLEY HEIGHTS SUBD

T15N R13W
S.M.
SEC. 16, 17

STATE OF ALASKA
49TH
DOUGLAS F. POPHAM
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CONSULTANT LOCATIONS SURVEYORS CERTIFICATE
CONSULTANT RIGHT-OF-WAY SURVEYORS CERTIFICATE

50 0 50 100 150 200
Scale in Feet

ANCHORAGE RECORDING DISTRICT

DATE	REVISIONS	BY
3-16-08	Added Design CL, Adjusted Layouts, Segregated Phases 1&2.	DFP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES
RIGHT OF WAY MAP
ALASKA PROJECT NO.

STP-0558(2)

52515

AMATS: OLD GLENN HWY
S. BIRCHWOOD LOOP TO PETERS CREEK

DRAWN	AMM	DATE	4-15-09	SCALE	1"=50'
CHECKED	DFP	DATE	4-15-09	SHEET	13 OF 23

E-25	DRAINAGE ESMT	WADDELL WILLIAM I & DIXIE L		0.006 AC	0.006 AC		
PARCEL NO.	INTEREST TO BE ACQUIRED	OWNER	LARGER PARCEL	TAKE INCLUDING EXISTING ESMT	NET TAKE	REMAINDER	RECORDED DOCUMENT NO.
PARCEL INFORMATION							

PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
STP-0558(2)	R14	R23

BLM LOT 8
Apr 27, 1960

T15N R1W
S M
SEC 16

BLM LOT 12
Apr 27, 1960

BLM LOT 11
Apr 27, 1960

BLM LOT 9
Apr 27, 1960

BLM LOT 7
Apr 27, 1960

S 0°38'36" E 1046.44
388.42'

S 89°32'16" W 442.47

MATCH LINE STA. 434+00.00 SHEET 13

433+38.34
142.00 LT

N 72°40'02" E

PLO 1613 RIGHT-OF-WAY LINE

468.28

909.73

438+22.21
136.52 LT

N = 404147.773
E = 421285.250
PI 440+86.57
Δ = 41°19'06" LT
T = 377.05
L = 721.14
R = 1000.00

442+92.34
141.80 LT

N 31°20'57" E PLO 1613

1550.70

MATCH LINE STA. 448+50.00 SHEET 15

142.00

BLM LOT 56
Sep 9, 1965

BLM LOT 55
Sep 9, 1965

N 72°40'02" E 553.14

435+00

789.45

OLD GLENN HIGHWAY

R=568.33

L=409.85

PI = 444+30.65

445+00

N 31°20'57" E 1330.93

150.00

BLM LOT 26
May 6, 1983

528.63

Pat. 1137193

11

50.41

769.93

S 0°45'16" E 719.52

434+50.03
58.00 RT

PCC = 437+09.51

BLM LOT 29
Sep 9, 1965

BLM LOT 21
Mar 19, 1964

N 72°40'02" E 356.59

440+00

R=1000.00

L=721.14

R=718.33

L=518.02

BLM LOT 27
Sep 9, 1965

445+19.98
50.00 RT

N 58°39'03" W
1.09

BLM LOT 10
Aug 26, 1947

SE Cor.
BLM LOT 18

BLM LOT 17
August 1947

438+01.04
62.45 RT

Pat. 1137193

BLM LOT 28
Sep 9, 1965

441+40.89
71.36 RT

R=768.33

L=364.36

N 57°48'03" W
18.52

441+45.51
89.19 RT

258.02

S 32°11'57" W 395.76

RIGHT-OF-WAY LINE

US 3064

445+19.98
51.09 RT

N 57°48'03" W
527.68

E-25

SEE DETAIL

BLM LOT 20

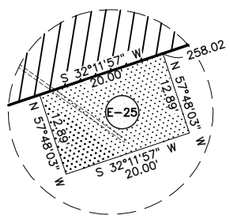
N 57°45'24" W
686.55

N 57°48'03" W
527.68

DEED PARCEL
BOOK 1749, PAGE 150
PORTION OF BLM LOT 17

U.S. SURVEY
No. 3064
August 1947

S. Cor.
U.S. Survey No. 3064



DETAIL
N.T.S.

50 0 50 100 150 200
Scale in Feet

STATE OF ALASKA
49TH
DOUGLAS F. POPHAM
LS 10161
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CONSULTANT LOCATIONS SURVEYORS CERTIFICATE
CONSULTANT RIGHT-OF-WAY SURVEYORS CERTIFICATE

ANCHORAGE RECORDING DISTRICT

DATE	REVISIONS	BY
3-16-08	Added Design CL, Adjusted Layouts, Segregated Phases 1&2.	DFP
2-18-09	Added Parcel E-25	DFP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES
RIGHT OF WAY MAP
ALASKA PROJECT NO.
STP-0558(2)
52515
AMATS: OLD GLENN HWY
S. BIRCHWOOD LOOP TO PETERS CREEK

DRAWN	AMM	DATE	4-15-09	SCALE	1"=50'
CHECKED	DFP	DATE	4-15-09	SHEET	14 OF 23

PARCEL NO.	INTEREST TO BE ACQUIRED	OWNER	LARGER PARCEL	TAKE INCLUDING EXISTING ESMT	NET TAKE	REMAINDER	RECORDED DOCUMENT NO.
PARCEL INFORMATION							
E-27	DRAINAGE ESMT	VERN & ALICE MAE FOSTER, LIVING TRUST		0.033 AC	0.033 AC		
E-28	DRAINAGE ESMT	GLENN B WEED		0.008 AC	0.008 AC		

PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
STP-0558(2)	R15	R23

C-E-NW
Fnd. 1/64 Cor.

SW Cor. TRACT 1

S 89°29'02" W 1004.35

10' TELECOMMUNICATION AND ELECTRIC EASEMENT

T15N R3W SEC. 1 S.M.

BLM LOT 3
Apr 27, 1960

BLM LOT 4
Apr 27, 1960

BLM LOT 5
Apr 27, 1960

BLM LOT 7
Apr 27, 1960

N = 405860.727
E = 422328.751
PI 460+59.37
Δ = 33°09'54" LT
T = 297.78
L = 578.84
R = 1000.00

462+89.36
148.89 LT

462+21.64
143.97 LT

458+80.38
143.97 LT

PLO 1613
R=509.32
L=294.82

MATCH LINE STA: 463+50.00 SHEET 16

STA. 0+00.00
462+33.10 CON'T

463+08.45
50.54 RT

BLM LOT 40
No Patent

STA. 0+66.00
MATCH EXISTING

462+79.93
51.92 RT

BLM LOT 41
Sep 9, 1965

L=64.02
N 1°48'59" W
137.85
N 89°28'15" E
L=50.01
R=709.32

SHERMAN STREET
RESERVED FOR ROAD
Plat P-348

462+44.11
54.89 RT

BLM LOT 42
Sep 9, 1965

L=346.56

461+83.78
60.09 RT

BLM LOT 43
Sep 9, 1965

BLM LOT 44
No Patent

R=709.32
Plat P-508

BLM LOT 45
No Patent

236.58

458+57.90
54.89 RT

N 31°20'57" E

RIGHT-OF-WAY LINE

Plat P-508

PC = 0+38.07

BLM LOT 46
No Patent

BLM LOT 47

BLM LOT 48
Jul 9, 1985

BLM LOT 49

BLM LOT 50

BLM LOT 51
Jul 9, 1985

BLM LOT 52
No Patent

BLM LOT 53
May 6, 1983

BLM LOT 54
May 6, 1983

MATCH LINE STA: 448+50.00 SHEET 14

450+96.47
150.00 LT

RIGHT-OF-WAY LINE

N 31°20'57" E 1550.70

PLO 1613

S 89°31'34" W 1371.27

Fnd. 1/16 Cor.

150.00

OLD GLENN HIGHWAY

450+00

N 31°20'57" E 1330.93

455+60.11

455+00

455+83.58
50.00 RT

456+26.45
50.00 RT

455+55.83
50.00 RT

450+48.61
50.00 RT

448+93.23
50.00 RT

N 31°20'57" E 528.63

N 31°20'57" E 495.52

Plat P-508

N = 405415.6605
E = 422197.5152
PI 1+19.47
Δ = 32°58'38"
T = 81.40
L = 158.28
R = 275.00

E-28

E-27

N 89°31'13" E 10.00

PT = 1+96.65

MATCH EXISTING STA. 2+00.00

N 89°31'13" E 60.00

20' ALLEY

SKYLINE VIEW SUBD
PLAT NO. P-508
Apr 15, 1949

SKYLINE VIEW SUBD
PLAT NO. P-348
Aug 28, 1947

MONTGOMERY SUBD
Aug 28, 1947

SUBD
PLAT NO. P-508
Apr 15,1949

TRACT A

BLOCK 3

BLOCK 1

10' ALLEY

15' MTA EASEMENT

20' ALLEY

SKYVIEW AVENUE

LUPIN STREET

10' UTILITY EASEMENT

2' POWER EASEMENT

BLM LOT 10
Aug 26, 1947

50 0 50 100 150 200
Scale in Feet

STATE OF ALASKA
49TH
DOUGLAS F. POPHAM
LS 10161
REGISTERED PROFESSIONAL LAND SURVEYOR

CONSULTANT LOCATIONS SURVEYORS CERTIFICATE
CONSULTANT RIGHT-OF-WAY SURVEYORS CERTIFICATE

ANCHORAGE RECORDING DISTRICT

DATE	REVISIONS	BY
3-16-08	Added Design CL, Adjusted Layouts, Segregated Phases 1&2.	DFP
4-22-09	Added Parcel 20.	DFP
7-29-09	Removed Parcel 20. Added Easements 27 & 28.	DFP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES
RIGHT OF WAY MAP
ALASKA PROJECT NO.

STP-0558(2)

52515

AMATS: OLD GLENN HWY
S. BIRCHWOOD LOOP TO PETERS CREEK

DRAWN	AMM	DATE	4-15-09	SCALE	1"=50'
CHECKED	DFP	DATE	4-15-09	SHEET	15 OF 23

PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
STP-0558(2)	R16	R23

CHUGIAK SCHOOL SITE
PLAT NO. 74-35
Apr 15, 1955

N = 407152.349
E = 422287.798
PI 473+34.92
Δ = 30°02'42" RT
T = 250.34
L = 489.16
R = 932.82

715 NW SM
SEC 9,16

10' TELECOMMUNICATION AND ELECTRIC EASEMENT

Fnd. 1/16 Cor.

BIRCHWOOD

20' MEA RIGHT OF WAY EASEMENT

Plat 84-39
Book 155 Page 121

NORTH

SUBDIVISION

Apr 15, 1955

PLAT NO. 84-39
TRACT 1
Apr 27, 1960

Sec Line Esmt Vacation 83-494

S 89°30'53" W
1807.34

N 1°48'58" W
180.91

468+06.56
150.00 LT

466+25.64
150.00 LT

328.66

Plat 84-39 RIGHT-OF-WAY LINE

SECTION 9
SECTION 16

BLM LOT 21
Mar 19, 1964

466+22.16

150.00

BLM LOT 38
No Patent

BLM LOT 39
Sep 10, 1964

MATCH LINE STA. 463+50.00 SHEET 15

TUNDRA

15

16

JEWEL
PLAT
NO. 78-217
SUBD
Aug 28, 1947

Fnd. 1/16 Cor.

R=790.50
L=304.83
R=715.50
L=693.62
L=549.90
R=640.50
Book 155 Page 121
Plat 73-35

PC = 27+50.00
MATCH EXISTING

NORTH BIRCHWOOD LOOP ROAD

N 1°48'58" W
95.81

469+68.79
150.00 LT

470+64.60
150.00 LT

N = 406698.0330
E = 422153.2797
PI 27+92.94
Δ = 06°52'39"
T = 42.99
L = 85.88
R = 715.50

PT = 28+35.88

28+00

STA. 469+62.77 OGH
STA. 0+00.00
MATCH EXISTING

470+00

249.76

N 7°19'13" W
114.1

29+00

STA. 29+50.00 NBLR
STA. 468+34.82 OGH

469+01.45
150.00 RT

L=31.90
R=20.00

469+21.41
71.78 RT

247.44

Plat 78-217

212.66

N 1°48'58" W
744.15

BLM LOT 166
Sep 9, 1965

BLM LOT 171
Nov 28, 1964

BLM LOT 172
Sep 9, 1965

Plat P-581

466+54.01
50.00 RT

Church

BLM LOT 22
Sep 9, 1965

466+21.00
50.00 RT

28+73

465+00

50.00

314.16

Church

17A-1

17A-2

S 89°30'53" W
833.60

33' SECTION LINE EASEMENT

RANCH

BLM LOT 160
Aug 20, 1973

OLD GLENN HIGHWAY

PC = 470+54.38

L=218.41
R=882.82

RIGHT-OF-WAY LINE
Plat P-586

470+64.59
50.00 RT

N 1°48'58" W
82.64

469+81.95
50.00 RT

STA. 0+86.00
MATCH EXISTING

NEEDLES LOOP
RESERVED FOR ROAD
S 89°33'49" W

Plat P-581

S 89°33'49" W

60.00

307.77

DELUCIA

SUBDIVISION
Plat P-586
Oct 31, 1950

24

23

25

26

27

19

18

BLM LOT 165
Aug 20, 1973

BLM LOT 164
Apr 22, 1965

472+94.77
54.68 RT

S 89°41'03" W
102.83

R=782.82
L=194.27

Plat P-442

473+19.18
155.21 RT

N = 407381.9810
E = 422465.9992
PI 0+48.39
Δ = 25°09'49"
T = 11.16
L = 21.96
R = 50.00

STA. 1+00.00
MATCH EXISTING

S 28°13'44" W 91.11

475+58.70
140.14 LT

R=1082.82
L=567.81

Plat 73-35

475+00

PT = 475+73.73

STA. 476+10.00 OGH
STA. 0+00.00
MATCH EXISTING

N 28°13'44" E 2390.45

37.23

PC = 0+37.23

PT = 0+59.19

S 61°36'16" E

BLM LOT 163
Aug 20, 1973

476+47.56
160.00 RT

476+81.73
160.00 RT

Plat P-586

N 89°57'13" E

30.00

MATCH LINE STA. 477+50.00 SHEET 17

50 0 50 100 150 200
Scale in Feet

CONSULTANT LOCATIONS SURVEYORS CERTIFICATE

CONSULTANT RIGHT-OF-WAY SURVEYORS CERTIFICATE

STATE OF ALASKA
49TH
REGISTERED PROFESSIONAL LAND SURVEYOR
DOUGLAS F. POPHAM
LS 10161

ANCHORAGE RECORDING DISTRICT

DATE	REVISIONS	BY
3-16-08	Added Design CL, Adjusted Layouts, Segregated Phases 1&2.	DFP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES
RIGHT OF WAY MAP
ALASKA PROJECT NO.

STP-0558(2)

52515

AMATS: OLD GLENN HWY
S. BIRCHWOOD LOOP TO PETERS CREEK

DRAWN	AMM	DATE	4-15-09	SCALE	1"=50'
CHECKED	DFP	DATE	4-15-09	SHEET	16 OF 23

PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
STP-0558(2)	R17	R23

Find. 1/16 cor.

CHUGIAK SCHOOL SITE
PLAT NO. 74-35
Apr 15, 1955

T15N R4W S.M. SEC 6

485+90.40
339.05 LT

S 89°54'20" W
AA 2559

PLAT NO. 88-30

BLM LOT 11
Aug 20, 1973

486+97.68
140.00 LT

Plat 73-35

RIGHT-OF-WAY LINE
S 28°13'44" W 1141.24

BLM LOT 160
Aug 20, 1973

140.00

N 89°54'45" W
1050.00

485+00 N 28°13'44" E 2390.49

OLD GLENN HIGHWAY

1946.59

495+00

BIKE PATH

MATCH LINE STA: 491+00.00 SHEET 18

MATCH LINE STA: 477+50.00 SHEET 16

STA. 479+01.13 OGH
STA. 479+84.00
S 61°46'16" E
130.29

480+00

BLM LOT 161
Sep 9, 1965

PC = 10+14.29
R = 70.00
Δ = 90°00'00"
T = 70.00
L = 109.96

BLM LOT 159
Aug 20, 1973

160.00

STA. 13+50.00
MATCH EXISTING

11+00 12+00 13+00 14+00

N28°13'44"E
93.35

PT = 11+24.25

12+17.60

S 28°13'44" W 1505.18

RIGHT-OF-WAY LINE

Plat 64-8

PETERS CREEK
CAMPGROUND
PLAT NO. 64-8
Jun 29,1959

N = 407613.9350
E = 422649.4250
PI 10+84.29
Δ = 90°00'00"
T = 70.00
L = 109.96
R = 70.00

BLM LOT 162
Sep 4, 1984

480+56.71
160.00 RT

481+02.75
160.00 RT

N = 407863.0714
E = 422783.1725
PI 13+37.01
Δ = 40°55'34"
T = 119.41
L = 228.57
R = 320.00

374.98

S 28°13'44" W

Plat P-442

L=21.44
R=20.00

480+74.27
170.44 RT

Plat 75-70

S 89°39'46" W
50.00

SADTLER DRIVE

Plat P-586

3A

DELUCIA
Oct 31, 1950
17

2A
SUBDIVISION
PLAT NO. 75-70

16

15

1

14

50 0 50 100 150 200
Scale in Feet

CONSULTANT LOCATIONS SURVEYORS CERTIFICATE
CONSULTANT RIGHT-OF-WAY SURVEYORS CERTIFICATE

STATE OF ALASKA
49TH
REGISTERED PROFESSIONAL LAND SURVEYOR
DOUGLAS F. POPHAM
LS 10161

ANCHORAGE RECORDING DISTRICT

DATE	REVISIONS	BY
3-16-08	Added Design CL, Adjusted Layouts, Segregated Phases 1&2.	DFP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES
RIGHT OF WAY MAP
ALASKA PROJECT NO.

STP-0558(2)

52515

AMATS: OLD GLENN HWY
S. BIRCHWOOD LOOP TO PETERS CREEK

DRAWN	AMM	DATE	4-15-09	SCALE	1"=50'
CHECKED	DFP	DATE	4-15-09	SHEET	17 OF 23

PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
STP-0558(2)	R18	R23

BLM LOT 102
Aug 20, 1973

BLM LOT 8
Aug 20, 1973

Plat 81-243

BLM LOT 11
Aug 20, 1973

Fnd. 1/16 Cor.

494+47.01
140.00 LT

S 28°13'44" W

BLM LOT 8
Aug 4, 1954

Plat 81-243
386.81

498+33.82
140.00 LT

S 89°31'23" W
208.01

140.00

BLM LOT 157
Sep 9, 1965

OLD GLENN HIGHWAY

500+00

L=429.31

R=954.93

505+00

N 53°59'15" E
272.94

MATCH LINE STA. 505+00.00 SHEET 19

BLM LOT 160
Aug 20, 1973

CREEK

495+20.32

N 28°13'44" E 2390.45

443.86

495+00

1946.59

End Guard Rail

BIKE PATH

PETERS

BLM LOT 159
Aug 20, 1973

160.00

BLM LOT 168
Sep 9, 1965

499+64.18

BLM LOT 169
Sep 9, 1965

BLM LOT 170
Sep 9, 1965

498+24.96
160.00 RT

496+64.93
160.00 RT

498+83.66
160.00 RT

499+88.45
159.74 RT

R=1123.24

L=296.49

BLM LOT 156
Sep 9, 1965

503+95.76
114.39 RT

Pat. 1185825

S 46°39'11" E
17.82

503+33.49

503+99.05
131.91 RT

S 46°57'23" W
200.00

Book 460, Page 224

MATCH LINE STA. 491+00.00 SHEET 17

S 28°13'44" W
1505.18

Plat 64-8

RIGHT-OF-WAY LINE

496+07.93
160.00 RT

50.00

S 89°31'23" W

S 28°13'44" W
160.03

Plat 72-136

100.73

54.06

S 28°13'44" W
Plat 72-136

500+53.14
156.54 RT

503+99.05
131.91 RT

N = 409671.431
E = 423640.153
PI 501+82.52
Δ = 25°45'31" RT
T = 218.35
L = 429.31
R = 954.93

5

4

LOMARU
SUBDIVISION
PLAT NO. 72-136
Aug 23, 1954

GINA CIRCLE

10' UTILITY EASEMENT

BLM LOT 7
Aug 23, 1954

S 89°31'23" W

10' UTILITY EASEMENT

111.43

PATENT RESERVATION FOR ROADWAY & UTILITIES

6

20' UTILITY EASEMENT

3

14

PETERS CREEK
CAMPGROUND
PLAT NO. 64-8

T15N R1W
S.M.
SEC 9

Fnd. 1/4 Cor.

50 0 50 100 150 200
Scale in Feet

STATE OF ALASKA
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ANCHORAGE RECORDING DISTRICT

DATE	REVISIONS	BY
3-16-08	Added Design CL, Adjusted Layouts, Segregated Phases 1&2.	DFP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES
RIGHT OF WAY MAP
ALASKA PROJECT NO.

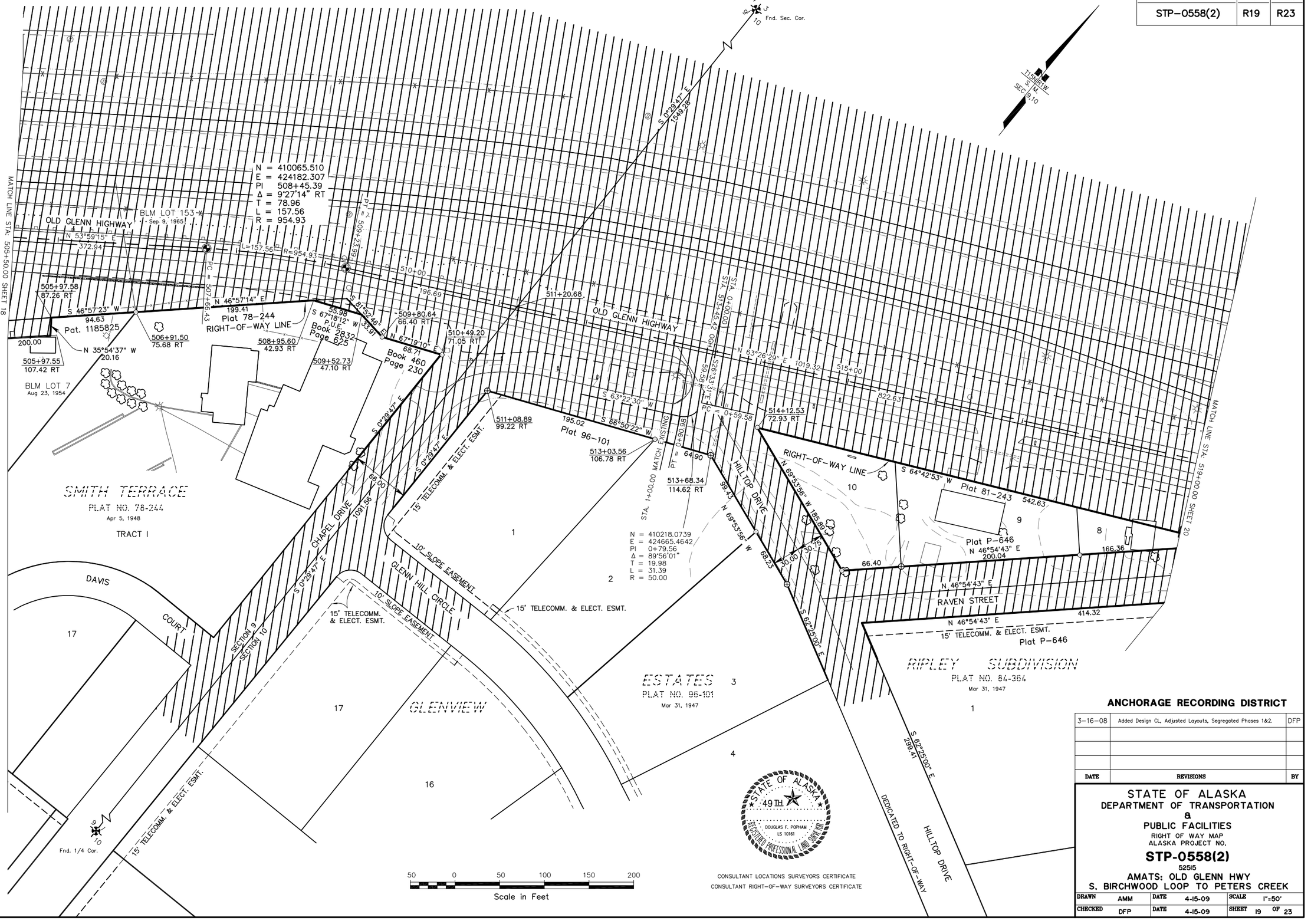
STP-0558(2)

52515

AMATS: OLD GLENN HWY
S. BIRCHWOOD LOOP TO PETERS CREEK

DRAWN	AMM	DATE	4-15-09	SCALE	1"=50'
CHECKED	DFP	DATE	4-15-09	SHEET	18 OF 23

PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
STP-0558(2)	R19	R23



ANCHORAGE RECORDING DISTRICT

3-16-08	Added Design CL, Adjusted Layouts, Segregated Phases 1&2.	DFP
DATE	REVISIONS	BY

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES
RIGHT OF WAY MAP
ALASKA PROJECT NO.

STP-0558(2)

52515

AMATS: OLD GLENN HWY
S. BIRCHWOOD LOOP TO PETERS CREEK

DRAWN	AMM	DATE	4-15-09	SCALE	1"=50'
CHECKED	DFP	DATE	4-15-09	SHEET	19 OF 23

E-22	UTILITY ESMT	THE 9-J CORPORATION		0.141 AC	0.141 AC		2006-072320-0
PARCEL NO.	INTEREST TO BE ACQUIRED	OWNER	LARGER PARCEL	TAKE INCLUDING EXISTING ESMT	NET TAKE	REMAINDER	RECORDED DOCUMENT NO.
PARCEL INFORMATION							

PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
STP-0558(2)	R20	R23

T15N R1W
S. M.
SEC. 10

END OF PROJECT
STATION 530+00.00

532+08.23
78.38 RT

N = 410731.177
E = 426068.949
PI 528+77.82
Δ = 19°43'24" LT
T = 124.50
L = 246.54
R = 716.20

PT = 526+99.86

N46°54'49"E
530.01
0.14

199.91

R=716.20

L=246.54

EASTSIDE DRIVE
199.91
Plat P-646A
RIGHT-OF-WAY LINE

S 51°20'56" W

EARL RAY SUBD
PLAT NO. P-646
Mar 31, 1947

30

31

36.12

527+92.83
77.60 RT

Book 503 Page 813
S 31°34'13" E

32

33

N = 410643.211
E = 425338.034
PI 521+37.10
Δ = 30°16'53" RT
T = 193.79
L = 378.51
R = 716.18

PT = 523+21.82

PC = 524+14.73

N = 410613.394
E = 425796.286
PI 525+87.26
Δ = 27°05'09" LT
T = 172.51
L = 338.57
R = 716.20

PCC = 527+53.32

OLD GLENN HIGHWAY

525+00

L=338.57

R=716.20

527+07.37
50.00 RT

117.96

N 24°24'26" W

70.44

SKI ROAD

L=313.09

R=766.20

RIGHT-OF-WAY LINE

Plat 2000-41

30' LONG AND 40' WIDE COMMON DRIVEWAY EASEMENT

30' NATURAL GAS AND VEGETATIVE SCREENING EASEMENT

6' ARTERIAL LANDSCAPING EASEMENT

R=530.87

L=75.51

3B-1

DRIVEWAY ESMT.

10' WELL PROTECTION ESMT.

4A

S 86°16'38" E
92.92'

S 86°16'38" E
34.64

21°08'05"

R=766.20
Plat 2000-41

524+14.75
50.00 RT

522+87.45
44.65 RT

522+14.34
42.60 RT

P.U.E.

S 89°45'31" W
68.66'

N 68°37'31" W
68.29'

8.02'

S 64°42'53" W
40.97

Book 2832 Page 626

Plat 64-78

Plat 81-243

N. 89°45'31" E.
209.37

E-22

523+73.74
72.19 RT

523+80.70
50.00 RT

521+72.68
55.77 RT

519+56.60
84.88 RT

187.03

53.32

82.65

PC = 519+43.31

520+00

MATCH LINE STA. 519+00.00 SHEET 20

RAVEN STREET

RIGHT-OF-WAY LINE

ELECTRIC ESMT.

N 46°54'43" E
414.32

S 68°24'49" E
262.25'

N 21°01'17" E
224.82

30' NATURAL GAS AND VEGETATIVE SCREENING EASEMENT

30' TELEC, ELECT, NAT GAS & UTILITY EASEMENT

2A-1

EARL RAY SUBD
PLAT NO. P-646
Mar 31, 1947
BLOCK 4
1

RIPLEY SUBDIVISION
PLAT NO. 84-364
Mar 31, 1947
1

2

EARL RAY SUBD
PLAT NO. 2000-41
BLOCK 4
3C-1

50 0 50 100 150 200
Scale in Feet

STATE OF ALASKA
49TH
DOUGLAS F. POPHAM
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REGISTERED PROFESSIONAL LAND SURVEYOR

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CONSULTANT RIGHT-OF-WAY SURVEYORS CERTIFICATE

ANCHORAGE RECORDING DISTRICT

DATE	REVISIONS	BY
3-16-08	Added Design CL, Adjusted Layouts, Segregated Phases 1&2.	DFP
4-30-09	EOP moved from Sta 530+81.41 to Sta 530+00.	DFP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES
RIGHT OF WAY MAP
ALASKA PROJECT NO.

STP-0558(2)

52515

AMATS: OLD GLENN HWY
S. BIRCHWOOD LOOP TO PETERS CREEK

DRAWN	AMM	DATE	4-15-09	SCALE	1"=50'
CHECKED	DFP	DATE	4-15-09	SHEET	20 OF 23

PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
STP-0558(2)	R21	R23

MONUMENT SUMMARY SHEET

RECOVERED CORNERS – SHEETS 6 THROUGH 10

LOCATION	MONUMENT TYPE	NORTHING	EASTING	STATION	OFFSET
SW L4 B1 HENKINS	REBAR	395150.9979	413666.5306	317+33.22	150.10 RT
E 1/16 S 19/30 T15N R1W	3 1/4" BRASS CAP	395825.8429	412695.9927	317+93.56	1030.23 LT
W L1A B1 HENKINS	REBAR	395345.0478	413731.2098	319+35.71	100.88 RT
N L3 B1 HENKINS	REBAR	395319.5899	413774.6602	319+38.13	151.18 RT
SE BLM LOT 8	1" IRON PIPE	395493.1142	413527.9346	319+48.67	150.27 LT
BLM LOT 8 S30 9 S19	REBAR	395824.9911	413717.5223	323+38.19	166.56 LT
NE BLM LOT 8	REBAR	395825.0906	413738.3454	323+49.10	148.64 LT
N L1A B1 HENKINS	3 1/2" ALUMINUM CAP	395728.1767	413985.8927	323+89.51	114.13 RT
SEC COR 19/20/29/30 T15N R1W	REBAR IN CASE	395824.7910	414012.6227	324+85.10	89.96 RT
SW L4 FERGUSON	3 1/2" ALUMINUM CAP	395857.9482	414045.1781	325+29.09	102.57 RT
W L4 FERGUSON	REBAR	395952.9311	414043.9922	326+11.18	56.79 RT
SW TR A WITMAN	REBAR	396155.8269	414151.5686	328+38.43	62.32 RT
E BLM LOT 8	REBAR	396315.7681	414006.7229	329+21.49	136.78 LT
NW TR A WITMAN	3 1/4" BRASS CAP	396486.0464	414309.2714	332+04.00	65.00 RT
S 1/16 S 19/20 T15N R1W	3/4" IRON ROD	397143.8016	413997.1417	336+67.31	496.61 LT
SE L1 USS 3062	3 1/4" BLM BRASS CAP	397158.2569	415278.0293	342+23.60	657.26 RT
SW 1/16 S 20 T15N R1W	2 1/2" BRASS CAP	397154.0244	415320.8770	342+37.94	697.86 RT
SW TR A LATIMER HALL	2 1/2" ALUMINUM CAP	397807.1311	414318.6429	344+04.38	486.76 LT
SW L2 USS 3062	3 1/4" GLO BRASS CAP	397574.7475	414837.1005	344+13.80	81.32 RT
AP S TR A LATIMER HALL	2 1/2" ALUMINUM CAP	397810.9352	414707.3382	345+72.67	136.36 LT
SE TR A LATIMER HALL	REBAR	397764.3887	414806.8854	345+72.73	26.46 LT
NE L1 USS 3062	3 1/4" BLM BRASS CAP	397577.8247	415275.4350	346+02.47	476.98 RT
1/4 S 19/20 T15N R1W	2 1/2" GLO BRASS CAP	398462.9103	413982.0876	348+55.55	1069.65 LT
PC TR A LATIMER HALL	REBAR	398185.8791	415004.7336	350+37.22	26.99 LT
NE L2 USS 3062	3 1/4" BLM BRASS CAP	398209.4819	415113.6893	351+12.55	56.20 RT
NE L2 USS 3062	3 1/4" GLO BRASS CAP	398210.8355	415311.3281	352+44.74	217.26 RT
SE BLM LOT 19	REBAR	398471.5354	415056.8352	352+83.31	145.21 LT
NE TR A LATIMER HALL	2 1/2" ALUMINUM CAP	398474.0623	415055.3706	352+84.15	147.97 LT
E TR A LATIMER HALL	REBAR	398405.4063	415141.2597	352+88.36	38.11 LT
CENTERLINE OLD GLENN HY	PK NAIL	398380.4598	415172.5709	352+90.18	1.88 RT
SW L1 USS 3067	1" IRON PIPE	398679.4597	415487.0881	357+11.44	63.34 RT
NE BLM LOT 20	2" BRASS CAP	398682.5476	415967.0906	358+83.06	495.40 RT
C 1/4 S20 T15N R1W	2 1/2" ALUMINUM CAP	398482.2553	416625.7817	359+11.78	1182.19 RT
NE L1 USS 3067	REBAR	399206.0970	415993.7131	363+20.60	397.15 RT
W L2 USS 3067	3 1/4" BLM BRASS CAP	399417.3135	415682.7460	364+64.72	42.34 RT
NE L2 USS 3067	2 1/2" ALUMINUM CAP	399538.6521	416262.1802	368+05.82	537.10 RT
W TR H CHUGIAK IND. PARK	REBAR WITH PLASTIC CAP	400048.0762	415981.7302	371+76.17	58.05 RT
S TR H CHUGIAK IND. PARK	REBAR WITH PLASTIC CAP	400036.1874	416001.5457	371+76.21	81.16 RT
SW TR G CHUGIAK IND. PARK	REBAR WITH PLASTIC CAP	400262.8890	416111.3242	374+27.04	58.13 RT
W L4 USS 3067	3 1/4" BLM BRASS CAP	400438.3142	416216.9701	376+31.82	58.03 RT
NW L4 USS 3067	3 1/4" ALUMINUM CAP	400525.7510	416272.2418	377+35.24	60.22 RT
PC TR G CHUGIAK IND. PARK	REBAR WITH PLASTIC CAP	400663.8298	416353.2554	378+96.12	57.97 RT
SW L7 DEAL	REBAR	400790.5345	416437.4460	380+50.70	59.38 RT
SW L1A DEAL	REBAR WITH PLASTIC CAP	400791.4890	416556.4566	381+21.50	156.55 RT
W L1A DEAL	3 1/2" ALUMINUM CAP	400849.4963	416475.0381	381+21.69	56.58 RT
NW L7 DEAL	REBAR	400875.7634	416498.1874	381+57.08	60.09 RT
PT L1A DEAL	REBAR WITH PLASTIC CAP	400987.6304	416580.0388	382+97.94	58.12 RT
WC 1/4 S17/20 T15N R1W	3 1/4" BLM BRASS CAP	401120.5313	416468.7768	383+32.83	111.61 LT
NW L1A DEAL	3 1/2" ALUMINUM CAP	401061.8471	416639.9138	383+94.10	58.48 RT
SW BLM LOT 15	REBAR WITH PLASTIC CAP	401122.2968	416688.0800	384+71.39	58.03 RT
S L1 USS 3063	3 1/4" BLM BRASS CAP	401081.8668	416943.6348	386+00.34	282.34 RT
SE BLM LOT 15	REBAR WITH PLASTIC CAP	401123.8961	416908.8257	386+11.20	228.86 RT
W L7 WYATT	REBAR	401159.0769	416880.4685	386+20.79	184.70 RT
POL WLINE L6 WYATT	REBAR WITH PLASTIC CAP	401258.3066	416797.6298	386+46.03	57.92 RT
W L1 USS 3063	3 1/4" BLM BRASS CAP	401267.9425	416790.0728	386+48.79	45.99 RT
E 1/16 S17/20 T15N R1W	2 1/2" ALUMINUM CAP	401131.9466	417918.9925	394+52.65	968.19 RT

INSTALL PROJECT CENTERLINE MONUMENTS

LOCATION	MONUMENT TYPE	NORTHING	EASTING	STATION
Sheet 6				
BOP	Primary in Case	395174.947	413505.759	316+70.00
PT	Primary in Case	395377.616	413632.015	319+08.80
PC	Primary in Case	395509.688	413718.161	320+66.48
PT	Primary in Case	396212.515	412569.901	328+71.53
Sheet 7				
Sheet 8				
PC	Primary in Case	398133.537	415008.968	349+92.74
PT	Primary in Case	398395.117	415183.123	353+08.16
PC	Primary in Case	398502.069	415280.160	354+52.57
Sheet 9				
PT	Primary in Case	399133.780	415578.664	361+61.53
PC	Primary in Case	399178.590	415585.255	362+06.82
PT	Primary in Case	399583.638	415698.351	366+28.48
PC	Primary in Case	399845.439	415808.585	369+12.54
PT	Primary in Case	400023.681	415899.243	371+12.68
Sheet 10				
PC	Primary in Case	400650.925	416277.381	378+45.09
PT	Primary in Case	401063.296	416565.954	383+48.80

HORIZONTAL CONTROL:

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CONSULTANT LOCATIONS SURVEYORS CERTIFICATE
CONSULTANT RIGHT-OF-WAY SURVEYORS CERTIFICATE

ANCHORAGE RECORDING DISTRICT

DATE	REVISIONS	BY

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES
RIGHT OF WAY MAP
ALASKA PROJECT NO.
STP-0558(2)
52515
AMATS: OLD GLENN HWY
S. BIRCHWOOD LOOP TO PETERS CREEK

DRAWN	AMM	DATE	4-15-09	SCALE	1"=50'
CHECKED	DFP	DATE	4-15-09	SHEET	21 OF 23

PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
STP-0558(2)	R22	R23

MONUMENT SUMMARY SHEET

RECOVERED CORNERS – SHEETS 11 THROUGH 15

LOCATION	MONUMENT TYPE	NORTHING	EASTING	STATION	OFFSET
W L2 WYATT	REBAR	401500.1295	416986.6534	389+52.93	53.26 RT
N L1 WYATT	REBAR	401616.3975	417084.8422	391+09.20	52.45 RT
C2 L1 USS 3063	2 1/2" IRON PIPE	401656.5496	417119.6108	391+64.08	49.26 RT
C3 L1 USS 3063	2 1/2" IRON PIPE	401762.7917	417247.1697	393+34.72	54.19 RT
POL NW LINE USS 3063	REBAR	401885.4672	417391.8709	395+24.40	51.40 RT
C2 LOT 2 USS 3063	3 1/4" BLM BRASS CAP	402183.5924	417754.5903	399+94.54	51.36 RT
C3 LOT 2 USS 3063	3 1/4" BLM BRASS CAP	401929.5033	417965.6207	400+00.63	381.60 RT
SW BLM LOT 7	REBAR	402535.7590	417904.2210	403+24.23	141.55 LT
NW BLM LOT 7	REBAR	403111.5202	417897.4054	406+54.12	613.48 LT
SE BLM LOT 7	REBAR	402771.1485	418231.8473	407+27.65	142.00 LT
NE BLM LOT 7	2 1/2" ALUMINUM CAP	403113.7047	418227.6917	409+23.84	422.84 LT
W L1 B1 SWANEE SLOPES ADD #1	REBAR	402842.3125	418675.6782	411+29.84	58.73 RT
W L1 B1 SWANEE SLOPES ADD #1	REBAR	402846.4194	418672.8792	411+29.96	53.76 RT
N L1 B1 SWANEE SLOPES ADD #1	REBAR	402935.5494	418805.4024	412+89.60	58.53 RT
S CHUGIAK POST OFFICE	REBAR	402847.6007	418869.1623	412+90.18	167.15 RT
S 1/16 S 17/16 T15N R1W	2 1/2" BRASS CAP	402460.7510	419225.9261	413+54.77	689.42 RT
W L6 B1 SWANEE SLOPES ADD #1	REBAR	403052.3031	418967.9065	414+89.69	58.31 RT
E CHUGIAK POST OFFICE	REBAR	402963.9672	419031.3873	414+89.83	167.09 RT
BLM LOT 17 S17 LOT 21 S16	REBAR	403353.5328	419215.9799	418+66.81	42.00 LT
NW L2 SWANEE SLOPES	REBAR	403380.4101	419425.7630	420+54.75	56.96 RT
1/4 S 16/17 T15N R1W	3 1/4" BLM BRASS CAP	403779.9538	419211.3673	420+94.14	394.57 LT
NE L11 B1 McKINLEY HEIGHTS	REBAR	403852.3630	420695.5566	434+35.64	106.31 RT
W BK 1749 PG 150	REBAR WITH PLASTIC CAP	404015.1121	421066.3204	438+30.03	69.17 RT
N USS 3064	3 1/4" BRASS CAP	404519.4931	421571.5127	445+19.98	51.09 RT
SW BLM LOT 5	3 1/4" ALUMINUM CAP	405112.1100	421176.9515	448+20.82	594.18 LT
NW TR A SKYLINE VIEW	REBAR	404971.4615	421845.6901	450+48.61	50.10 RT
CN 1/16 S16 T15N R1W	3 1/4" ALUMINUM CAP	405117.5683	421836.9682	451+68.85	33.36 LT
NW L4 B3 SKYLINE VIEW	REBAR	405150.8065	421954.7850	452+58.53	49.96 RT
NW L3 B3 SKYLINE VIEW	REBAR	405235.3798	422006.3550	453+57.59	50.01 RT
NW L2 B3 SKYLINE VIEW	REBAR	405319.9753	422057.9048	454+56.65	50.02 RT
NW L1 B3 SKYLINE VIEW	REBAR	405404.5596	422109.4864	455+55.72	50.07 RT
SW L4 B1 SKYLINE VIEW	REBAR	405465.1299	422146.2715	456+26.59	49.97 RT
SW TR 1 NORTH BIRCHWOOD	2 1/2" ALUMINUM CAP	406101.1384	421166.4520	456+60.00	1117.69 LT
NW L4 B1 SKYLINE VIEW	REBAR WITH PLASTIC CAP	405666.9904	422269.3940	458+57.90	54.99 RT
NW L2 B1 SKYLINE VIEW	REBAR WITH PLASTIC CAP	405885.9555	422357.1782	460+80.72	64.92 RT
NW L1 B1 SKYLINE VIEW	3/4" IRON PIPE	405994.5556	422372.0894	461+83.84	60.53 RT
NW L6 MONTGOMERY	IRON ROD	406095.3321	422371.6614	462+78.95	52.31 RT
SE TR 1 NORTH BIRCHWOOD	2 1/2" ALUMINUM CAP	406110.2054	422172.8964	462+89.44	146.76 LT
SW L15 TUNDRA JEWEL	REBAR	406126.3763	422371.2688	463+08.45	51.45 RT

INSTALL PROJECT CENTERLINE MONUMENTS

LOCATION	MONUMENT TYPE	NORTHING	EASTING	STATION
Sheet 11				
PC	Primary in Case	401565.646	416971.068	389+94.14
PT	Primary in Case	401782.307	417185.602	392+99.58
PC	Primary in Case	402191.381	417682.743	399+43.38
PT	Primary in Case	402361.825	417904.539	402+23.16
Sheet 12				
Sheet 13				
PC	Primary in Case	403374.781	419317.715	419+61.88
PT	Primary in Case	403800.249	420171.717	429+20.07
Sheet 14				
PC	Primary in Case	404035.442	420925.318	437+09.51
PT	Primary in Case	404469.782	421481.412	444+30.65
Sheet 15				
PC	Primary in Case	405606.418	422173.830	457+61.59
PT	Primary in Case	406158.358	422319.314	463+40.43

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STATE OF ALASKA 49TH
DOUGLAS F. POPHAM
LS 10161
REGISTERED PROFESSIONAL LAND SURVEYOR

CONSULTANT LOCATIONS SURVEYORS CERTIFICATE
CONSULTANT RIGHT-OF-WAY SURVEYORS CERTIFICATE

ANCHORAGE RECORDING DISTRICT

DATE	REVISIONS	BY

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES
RIGHT OF WAY MAP
ALASKA PROJECT NO.
STP-0558(2)
52515
AMATS: OLD GLENN HWY
S. BIRCHWOOD LOOP TO PETERS CREEK

DRAWN	AMM	DATE	4-15-09	SCALE	1"=50'
CHECKED	DFP	DATE	4-15-09	SHEET	22 OF 23

MONUMENT SUMMARY SHEET

PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
STP-0558(2)	R23	R23

RECOVERED CORNERS – SHEETS 16 THROUGH 20

LOCATION	MONUMENT TYPE	NORTHING	EASTING	STATION	OFFSET
NW L15 TUNDRA JEWEL	REBAR	406217.7860	422368.2830	463+98.27	50.83 RT
NW L16 TUNDRA JEWEL	REBAR	406309.1223	422365.7702	464+89.64	51.21 RT
E 1/16 S 9/16 T15N R1W	1 1/2" IRON PIPE	406447.0114	423143.9586	466+02.80	833.38 RT
NW S1/2 CHURCH TUNDRA JEWEL	REBAR	406441.3869	422361.2057	466+21.99	50.84 RT
W 1/16 S 9/16 T15N R1W	3 1/4" BLM BRASS CAP	406424.6408	420503.1056	466+64.13	1806.86 LT
POL W CHURCH TUNDRA JEWEL	REBAR	406507.2207	422359.0005	466+87.86	50.72 RT
NW CHURCH TUNDRA JEWEL	REBAR	406573.2643	422356.8110	467+53.94	50.63 RT
NE TR1 NORTH BIRCHWOOD	REBAR	406615.0665	422155.9304	468+02.08	148.83 LT
CL–CL OLD GLENN N BIRCHWOOD	BRASS CAP IN CASE	406652.5016	422303.6461	468+34.82	0.00
CENTERLINE NORTH BIRCHWOOD	BRASS CAP IN CASE	406685.5728	422194.4293	468+71.33	108.11 LT
NW L17A1 TUNDRA JEWEL	REBAR	406720.5616	422351.8437	469+01.32	50.33 RT
NE L17A2 TUNDRA JEWEL	3 1/2" ALUMINUM CAP	406743.6570	422679.1131	469+14.03	378.17 RT
NE L17A1 TUNDRA JEWEL	REBAR	406742.4571	422525.3527	469+17.70	224.45 RT
NW L17A1 TUNDRA JEWEL	2 1/2" ALUMINUM PIPE	406741.3152	422371.6131	469+21.43	70.75 RT
SW L26 DELUCIA	1" IRON PIPE	406804.0100	422350.4340	469+84.77	51.57 RT
L26/27 DELUCIA	2 1/2" IRON PIPE	406918.1841	422389.0368	470+99.12	93.67 RT
CENTERLINE NORTH BIRCHWOOD	BRASS CAP IN CASE	407153.9037	421719.8155	472+50.59	591.73 LT
NW L27 DELUCIA	3/4" IRON PIPE	407100.6812	422367.4924	472+95.01	55.80 RT
SW L19 DELUCIA	3/4" IRON PIPE	407101.2480	422470.3173	473+19.48	156.32 RT
W L18 DELUCIA	3/4" IRON PIPE	407290.6889	422543.6633	475+64.76	159.96 RT
S 1/16 S9 T15N R1W	5/8" IRON ROD	407764.9073	421767.3638	476+16.93	748.27 LT
NW L18 DELUCIA	3/4" IRON PIPE	407362.1528	422581.1530	476+47.00	159.23 RT
SW L17 DELUCIA	REBAR	407392.3827	422597.5069	476+81.37	159.34 RT
NW L17 DELUCIA	REBAR	407652.9623	422738.2022	479+77.50	160.05 RT
NW L3 DELUCIA	REBAR	407722.4298	422775.1800	480+56.20	159.77 RT
SW PETERS CREEK CAMPGROUND	2 1/2" ALUMINUM CAP	407763.3346	422797.3590	481+02.73	159.96 RT
NE CHUGIAK SCHOOL SITE	3 1/4" BRASS CAP	408429.4038	422813.4693	486+97.20	140.89 LT
CE 1/16 S9 T15N R1W	REBAR	409086.2576	423118.9383	494+20.42	182.44 LT
NW PETERS CREEK CAMPGROUND	ALUMINUM CAP	409089.3932	423507.7710	496+07.09	158.66 RT
W L5 LOMARU	REBAR	409331.9611	423639.2090	498+82.98	159.74 RT
NW L5 LOMARU	REBAR	409421.1820	423687.4067	499+88.45	159.74 RT
1/4 S 9/10 T15N R1W	2" ALUMINUM CAP	409097.2377	424438.3283	504+83.17	933.76 RT
NW TR 1 SMITH TERRACE	REBAR	409913.8129	424102.3265	506+91.50	75.68 RT
N TR 1 SMITH TERRACE	REBAR	410066.7486	424333.2979	509+80.64	66.40 RT
NE TR 1 SMITH TERRACE	2" IRON PIPE	410009.9446	424532.1901	510+50.34	71.13 RT
NW L1 GLENN VIEW ESTATES	2" ALUMINUM CAP	410094.6792	424462.5466	511+08.74	99.21 RT
NE L1 GLENN VIEW ESTATES	REBAR WITH PLASTIC CAP	410171.4097	424641.9823	513+03.55	110.80 RT
N L2 GLENN VIEW ESTATES	1 1/2" ALUMINUM CAP	410196.9639	424701.6488	513+68.34	114.62 RT
W L10 B1 EARL RAY	REBAR	410254.2228	424722.4086	514+12.52	72.69 RT
NE L2 GLENN VIEW ESTATES	REBAR WITH PLASTIC CAP	410162.7880	424795.0246	514+36.59	186.94 RT
N L3 GLENN VIEW ESTATES	1 1/2" ALUMINUM CAP	410139.3413	424859.1002	514+83.42	236.56 RT
S L10 B1 EARL RAY	REBAR	410189.9474	424896.9020	515+39.86	208.20 RT
E L10 B1 EARL RAY	2" ALUMINUM CAP	410235.5920	424945.4881	516+03.72	189.09 RT
E L9 B1 EARL RAY	REBAR	410371.9764	425091.8323	517+95.61	132.53 RT
SEC COR 3/4/9/10 T15N R1W	3 1/4" ALUMINUM CAP IN CASE	411737.9769	424415.4445	518+01.35	1391.75 LT
SW L1 B4 EARL RAY	1" IRON ROD	410441.8408	425254.0245	519+79.00	141.85 RT
NE L1 B4 EARL RAY	2 1/2" ALUMINUM CAP	410555.2158	425578.5324	523+73.74	72.19 RT
NW L2A1 B4 EARL RAY	REBAR	410577.0557	425587.0587	523+80.83	49.85 RT
NE L2A1 B4 EARL RAY	REBAR WITH PLASTIC CAP	410577.4958	425752.7479	525+38.18	50.00 RT
PC L3B1 B4 EARL RAY	REBAR	410553.7641	425957.6704	527+12.19	120.12 RT
E L3B1 B4 EARL RAY	2" ALUMINUM CAP	410487.2264	425993.5143	527+20.70	194.98 RT
W L31 B3 EARL RAY	REBAR	410651.5921	426053.3410	528+24.98	70.81 RT
N L31 B3 EARL RAY	REBAR	410776.3480	426209.4430	530+08.82*	62.98 RT
N L30 B3 EARL RAY	REBAR	410901.3150	426365.5914	532+08.23*	78.38 RT

* BEYOND EOP

INSTALL PROJECT CENTERLINE MONUMENTS

LOCATION	MONUMENT TYPE	NORTHING	EASTING	STATION
Sheet 16				
PC	Primary in Case	406902.134	422295.731	470+84.58
PT	Primary in Case	407372.915	422406.208	475+73.73
Sheet 17				
Sheet 18				
PC	Primary in Case	409479.055	423536.877	499+64.18
PT	Primary in Case	409799.810	423816.770	503+93.49
Sheet 19				
PC	Primary in Case	410019.084	424118.436	507+66.43
PT	Primary in Case	410100.815	424252.937	509+23.99
Sheet 19				
PC	Primary in Case	410556.567	425164.696	519+43.31
PT	Primary in Case	410630.629	425531.411	523+21.82
PC	Primary in Case	410624.595	425624.138	524+14.75
PT	Primary in Case	410816.225	426159.877	529+99.86
EOP	Primary in Case	410871.929	426219.431	530+81.41

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STP-0558(2)

52515

AMATS: OLD GLENN HWY
S. BIRCHWOOD LOOP TO PETERS CREEK

DRAWN	AMM	DATE	4-15-09	SCALE	1"=50'
CHECKED	DFP	DATE	4-15-09	SHEET	23 OF 23