STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES

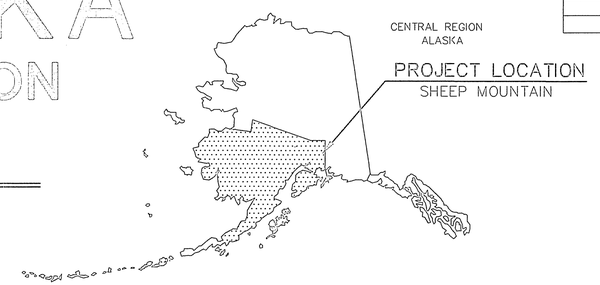
PROPOSED HIGHWAY PROJECT

GLENN HIGHWAY MP 109 - MP 118

IR-0A1-5(4)/56454
GRADING, DRAINAGE, PAVING, SIGNING AND STRIPING

REVISIONS		
No.	DATE	DESCRIPTION

YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
1996	ALASKA	IR-0A1-5(4)/56454	A-1	148
ROUTE: 130000		CDS MILEPOST: 231-241		

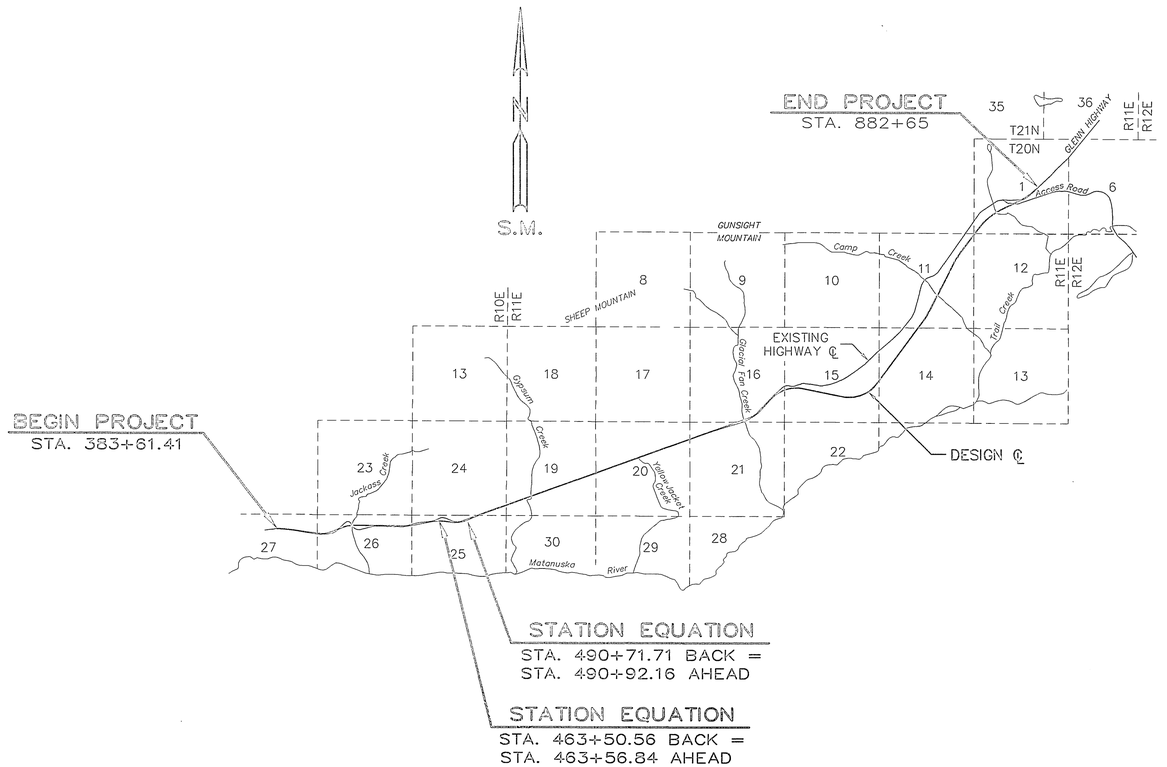


INDEX OF SHEETS	
SHEET NO.	DESCRIPTION
A-1	TITLE SHEET
A-2	SCHEMATIC
A-3 to A-4	CONSTRUCTION SURVEY DATA
B-1 to B-4	TYPICAL SECTIONS
C-1 to C-7	QUANTITY & SUMMARY SHEETS
D-1 to D-32	DETAIL SHEETS
E-1 to E-54	PLAN & PROFILE
F-1 to F-11	TRAFFIC SHEETS
G-1 to G-9	CULVERT THAW WIRE SHEETS
H-1 to H-4	TRAFFIC CONTROL SHEETS
I-1 to I-23	RIGHT OF WAY MAPS

AS BUILT PLANS

PROJECT SUMMARY		
	WIDTH	LENGTH
GLENN HIGHWAY - NO CLIMBING LANE	36'	4.04 MILES
GLENN HIGHWAY - ONE CLIMBING LANE	46'	4.11 MILES
GLENN HIGHWAY - TAPERED WIDTHS		1.30 MILES
ACCESS ROADS	20' OR 24'	0.36 MILES

DESIGN DESIGNATION	
ADT 1993	1000
ADT 2015	1700
DHV 19.4%	330
DESIGN SPEED	50 MPH
DIRECTIONAL	40/60
% TRUCKS	20%
EAL	507,900



THE FOLLOWING STANDARD DRAWINGS APPLY TO THIS PROJECT:
A-1
C-01.03, C-02.01, C-03.01, C-04.00
D-01.02, D-04.10, D-05.10, D-06.01, D-07.00,
D-13.10, D-24.00, D-27.01, D-30.01
E-00.00
F-04.01
G-04.04S, G-04.05W,
G-18.00S, G-18.00W, G-45.01, G-46.00
I-81.00
M-13.01, M-16.01, M-20.11, R-12.01
S-00.00, S-05.00, S-20.00, S-30.01, S-34.00
T-20.00, T-21.01

Contractor: Quality Asphalt Paving, Inc.
Project Engineer: Ron Hollingsworth

End Date: 10/12/98

AS ADVERTISED
CENTRAL REGION
DATE: November 6, 1996

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES

STATE OF ALASKA 49TH Ted B. Trueblood CE-4476 REGISTERED PROFESSIONAL ENGINEER 10/9/96

STATE OF ALASKA 49th G.C. SCHRADER CE-1005 REGISTERED PROFESSIONAL ENGINEER

Recommended for Approval:
R.H. Wilson FOR K.R. MORBERG Date *10.21.96*
Central Region Pre-Construction Engineer

Approved:
David R. Ellis Date *10/21/96*
Director, Design & Construction

TRYCK NYMAN HAYES, INC.
ENGINEERS/PLANNERS/SURVEYORS/LANDSCAPE ARCHITECTS
911 W 8th Ave. Anchorage, Alaska 99501-3497
907-279-0543
FAX: 907-276-7679

REVISIONS			YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION					
			1996	ALASKA	IR-0A1-5(4)/56454	A-2	148

LEGEND

1 LF — Removal and Disposal of Guard Rail
See Summary on Sheet C-4

2 Stations — Obliteration of Roadway
See Summary on Sheet C-1

3 Each — Replace Existing with Primary Monument
See Summary on Sheet I-23

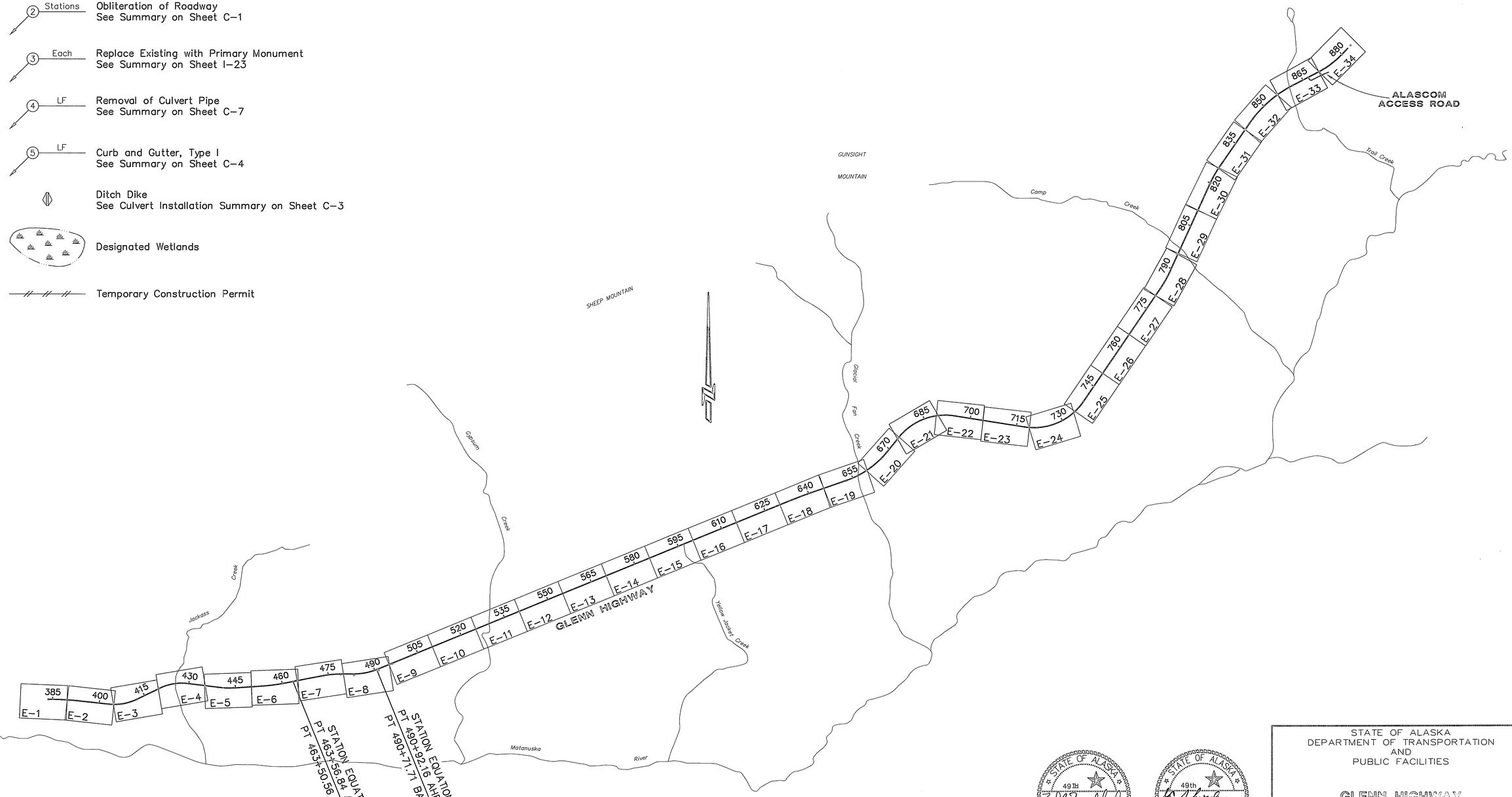
4 LF — Removal of Culvert Pipe
See Summary on Sheet C-7

5 LF — Curb and Gutter, Type I
See Summary on Sheet C-4

Ditch Dike
See Culvert Installation Summary on Sheet C-3

Designated Wetlands

Temporary Construction Permit



STATE OF ALASKA
49TH
Ted B. Trueblood
CE-4476
12/9/96
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
49th
G.C. SCHWADERER
CE-1006
REGISTERED PROFESSIONAL ENGINEER

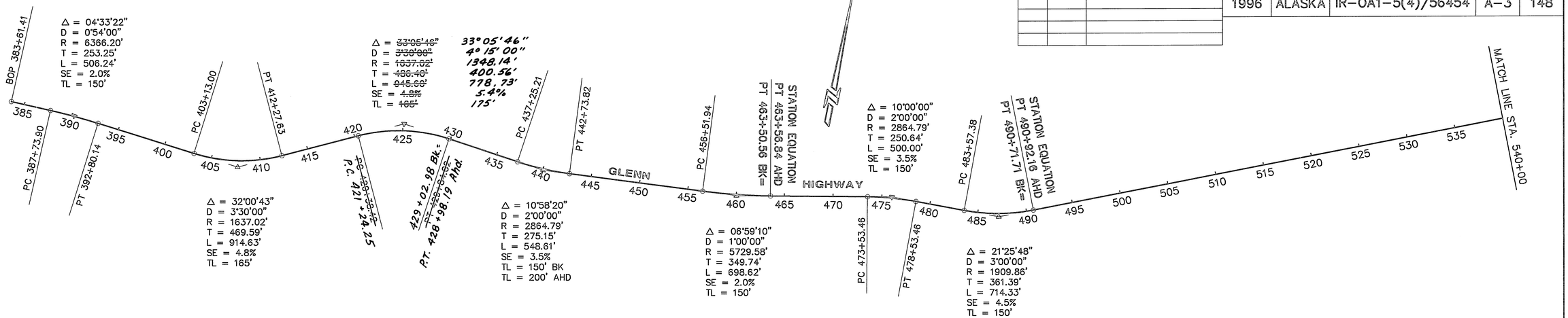
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

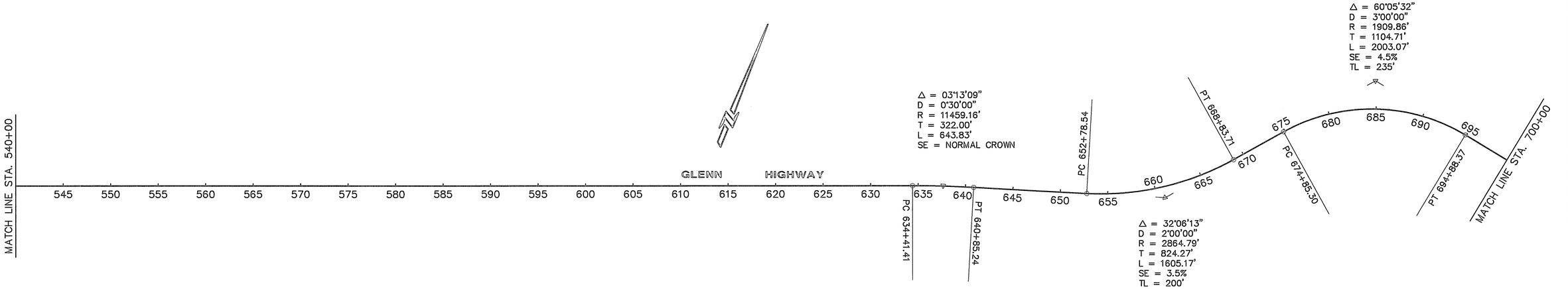
GLENN HIGHWAY
MP 109 TO MP 118

SCHEMATIC

REVISIONS		
No.	DATE	DESCRIPTION

YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
1996	ALASKA	IR-0A1-5(4)/56454	A-3	148





GLENN HIGHWAY	
POINT DESCRIPTION	COORDINATES
BOP STA. 383+61.41	N 2,857,495.606 E 912,232.741
TANGENT	S88°27'06"E – 412.49'
PC STA. 387+73.90	N 2,857,484.460 E 912,645.077
PI STA. 390+27.15	N 2,857,477.616 E 912,898.239
PT STA. 392+80.14	N 2,857,450.684 E 913,150.057
TANGENT	S83°53'43"E – 1032.86'
PC STA. 403+13.00	N 2,857,340.846 E 914,177.063
PI STA. 407+82.59	N 2,857,290.907 E 914,643.993
PT STA. 412+27.63	N 2,857,496.081 E 915,066.393
TANGENT	N64°05'34"E – ~~810.73'~~ 896.62'
~~PC STA. 420+38.42~~	~~N 2,857,859.320 E 915,795.699~~
~~PI STA. 425+24.82~~	~~N 2,858,062.844 E 916,233.216~~
~~PT STA. 429+84.82~~	~~N 2,858,001.978 E 916,715.793~~
TANGENT	S82–48–41E – ~~741.19'~~ 827.02'
PC STA. 437+25.21	N 2,857,909.229 E 917,451.155
PI STA. 440+00.35	N 2,857,874.798 E 917,724.139
PT STA. 442+73.82	N 2,857,892.955 E 917,998.685
TANGENT	N86–12–59E – 1378.13'
PC STA. 456+51.94	N 2,857,983.895 E 919,373.809
PI STA. 460+01.68	N 2,858,006.974 E 919,722.788
PT STA. 463+50.56 BK= PT STA. 463+56.84 AHD	N 2,858,072.328 E 920,066.368

P.C. Sta. 421+24.25 N. 2,857,887.830 E. 915,872.907
P.I. Sta. 425+24.82 N. 2,858,062.844 E. 916,233.216
P.T. Sta. 429+02.98 Bk./428+98.19 Ahd. N. 2,858,012.719 E. 916,630.633

GLENN HIGHWAY	
POINT DESCRIPTION	COORDINATES
TANGENT	N79–13–49E – 996.62'
PC STA. 473+53.46	N 2,858,258.559 E 921,045.433
PI STA. 476+04.10	N 2,858,305.394 E 921,291.655
PT STA. 478+53.46	N 2,858,308.761 E 921,542.269
TANGENT	N89°13'49"E – 503.92'
PC STA. 483+57.38	N 2,858,315.531 E 922,046.141
PI STA. 487+18.77	N 2,858,320.386 E 922,407.498
PT STA. 490+71.71 BK = PT STA. 490+92.16 AHD	N 2,858,456.933 E 922,742.098
TANGENT	N67°48'01"E – 14349.25'
PC STA. 634+41.41	N 2,863,878.611 E 936,027.668
PI STA. 637+63.41	N 2,864,000.275 E 936,325.799
PT STA. 640+85.24	N 2,864,105.005 E 936,630.292
TANGENT	N71°01'10"E – 1193.30'
PC STA. 652+78.54	N 2,864,493.122 E 937,758.707
PI STA. 661+02.81	N 2,864,761.213 E 938,538.156
PT STA. 668+83.71	N 2,865,402.548 E 939,055.942
TANGENT	N38°54'57"E – 601.59'
PC STA. 674+85.30	N 2,865,870.625 E 939,433.847
PI STA. 685+90.01	N 2,866,730.161 E 940,127.800
PT STA. 694+88.37	N 2,866,557.195 E 941,218.880
TANGENT	S80°59'31"E – 2272.68'

HORIZONTAL CONTROL

HORIZONTAL CONTROL IS BASED ON USC&GS TRIANGULATION STATION "GLEN EAST BASE", A BRASS CAP MONUMENT LOCATED 34' LEFT OF STATION 655+65, HAVING ALASKA STATE PLANE – ZONE 4 COORDINATES OF N2,864,630.378, E938,010.492 AND FROM WHICH USC&GS TRIANGULATION STATION "GLEN WEST BASE RM#3", A BRASS CAP MONUMENT LOCATED 72' RIGHT OF STATION 518+95, HAVING ALASKA STATE PLANE – ZONE 4 COORDINATES OF N2,859,449.561, E925,363.925 BEARS S67°43'23"W. SAID LINE BEING THE BASIS OF BEARING, ALASKA STATE PLANE GRID.

VERTICAL CONTROL

VERTICAL CONTROL IS BASED ON USC&GS BENCH MARK "E–23", ELEVATION 2355.29, A STANDARD BENCH MARK DISK SET IN A CONCRETE POST LOCATED 66' LEFT OF PAVEMENT CENTERLINE AT STATION 348+58, APPROXIMATELY MP 108.7.

STATE OF ALASKA
49TH
William D. Cohen
William D. Cohen
LS - 7537
Registered Professional Land Surveyor
Oct. 10, 1996

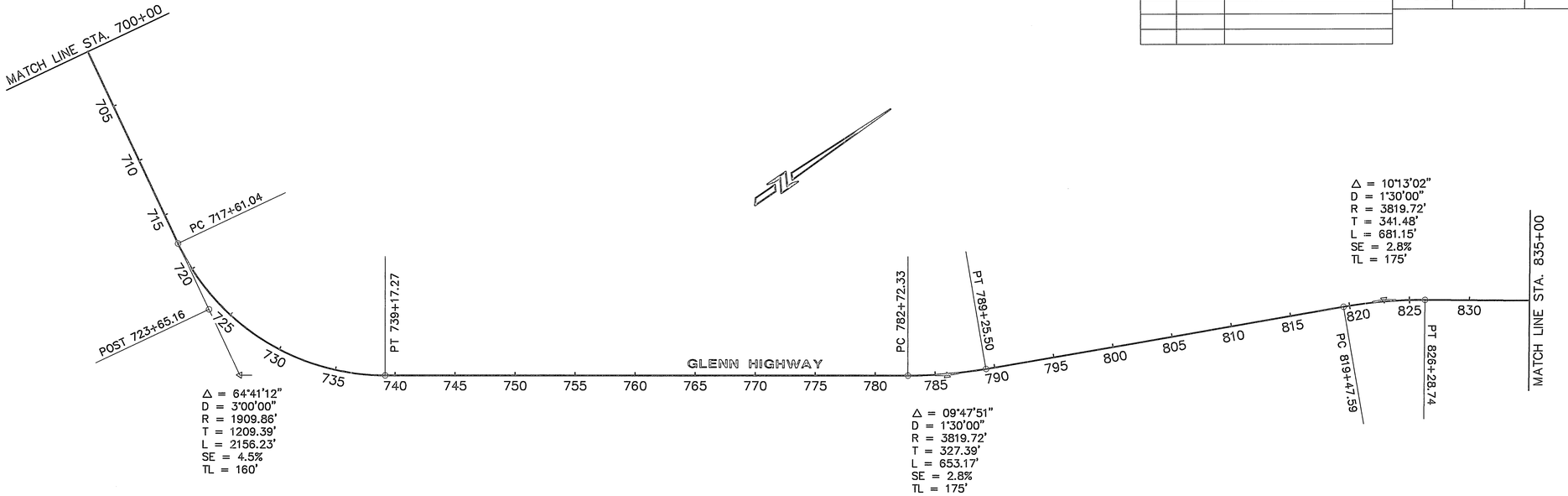
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DEPARTMENT OF TRANSPORTATION
AND
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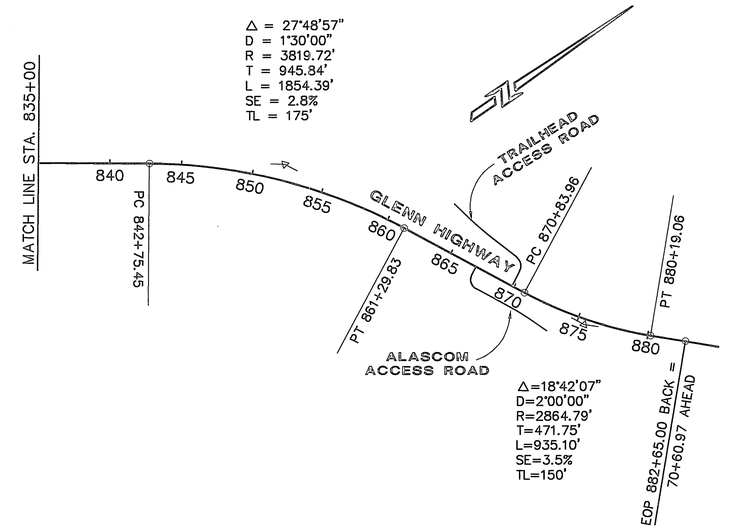
GLENN HIGHWAY
MP 109 TO MP 118

CONSTRUCTION SURVEY DATA

REVISIONS		
No.	DATE	DESCRIPTION

YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
1996	ALASKA	IR-0A1-5(4)/56454	A-4	148





GLENN HIGHWAY	
POINT DESCRIPTION	COORDINATES
TANGENT	S80°59'31"E – 2272.68'
PC STA. 717+61.04	N 2,866,201.357 E 943,463.528
POST STA. 723+65.16	N 2,866,106.768 E 944,060.197
PI STA. 729+70.43	N 2,866,012.000 E 944,658.000
PT STA. 739+17.27	N 2,867,010.821 E 945,339.892
TANGENT	N34°19'16"E – 4355.06'
PC STA. 782+72.33	N 2,870,607.616 E 947,795.410
PI STA. 785+99.72	N 2,870,878.000 E 947,980.000
PT STA. 789+25.50	N 2,871,175.852 E 948,115.887
TANGENT	N24°31'25"E – 3022.10'
PC STA. 819+47.59	N 2,873,925.325 E 949,370.262
PI STA. 822+89.07	N 2,874,236.000 E 949,512.000
PT STA. 826+28.74	N 2,874,516.607 E 949,706.598
TANGENT	N34°44'27"E – 1646.70'
PC STA. 842+75.45	N 2,875,869.765 E 950,644.997
PI STA. 852+21.29	N 2,876,647.000 E 951,184.000
PT STA. 861+29.83	N 2,877,082.912 E 952,023.405
TANGENT	N62°33'24"E – 954.13'
PC STA. 870+83.96	N 2,877,522.644 E 952,870.164
PI STA. 875+55.71	N 2,877,740.059 E 953,288.823
PT STA. 880+19.06	N 2,878,080.235 E 953,615.664
TANGENT	N43°51'17"E – 245.94'
EOP STA. 882+65.00	N 2,878,257.579 E 953,786.056

TRAILHEAD ACCESS ROAD		
POINT DESCRIPTION	COORDINATES	CURVE DATA
BOP STA. 20+00 = STA. 869+91.04 GLENN HIGHWAY	N 2,877,479.822 E 952,787.702	
TANGENT	S27°26'36"E – 68.00'	
PT STA. 19+32.00	N 2,877,540.170 E 952,756.363	Δ = 64°56'27"
PI STA. 18+98.70	N 2,877,578.007 E 952,736.713	R = 67.00'
PC STA. 18+56.06	N 2,877,576.234 E 952,694.115	T = 42.64' L = 75.94'
TANGENT	N87°36'57"E – 656.06'	
PI STA. 12+00	N 2,877,548.942 E 952,038.623	
TANGENT	N02°23'03"W – 38.00'	
RADIUS PT. STA. 11+62	N 2,877,510.975 E 952,040.204	

ALASCOM ACCESS ROAD		
POINT DESCRIPTION	COORDINATES	CURVE DATA
BOP STA. 20+00 = STA. 867+00 GLENN HIGHWAY	N 2,877,345.687 E 952,529.411	
TANGENT	S27°26'36"E – 60.00'	
PC STA. 20+60.00	N 2,877,292.439 E 952,557.063	Δ = 90°00'00" SE = 3.0%
PI STA. 21+35.00	N 2,877,225.879 E 952,591.628	R = 75.00' TL = 60'BK
PT STA. 21+77.81	N 2,877,260.444 E 952,658.188	L = 117.81' TL = 90'AH T = 75.00'
TANGENT	N62°33'24"E – 241.35'	
PC STA. 24+19.16	N 2,877,371.678 E 952,872.382	Δ = 6°05'07" T = 93.71'
PI STA. 25+12.87	N 2,877,414.865 E 952,955.544	D = 3°15'00" SE = 2.5%
PT STA. 26+06.40	N 2,877,448.992 E 953,042.816	R = 1762.95' TL = 90' L = 187.24'
TANGENT	N68°38'31"E – 143.60'	
EOP STA. 27+50.00	N 2,877,501.291 E 953,176.554	



Oct. 10, 1996

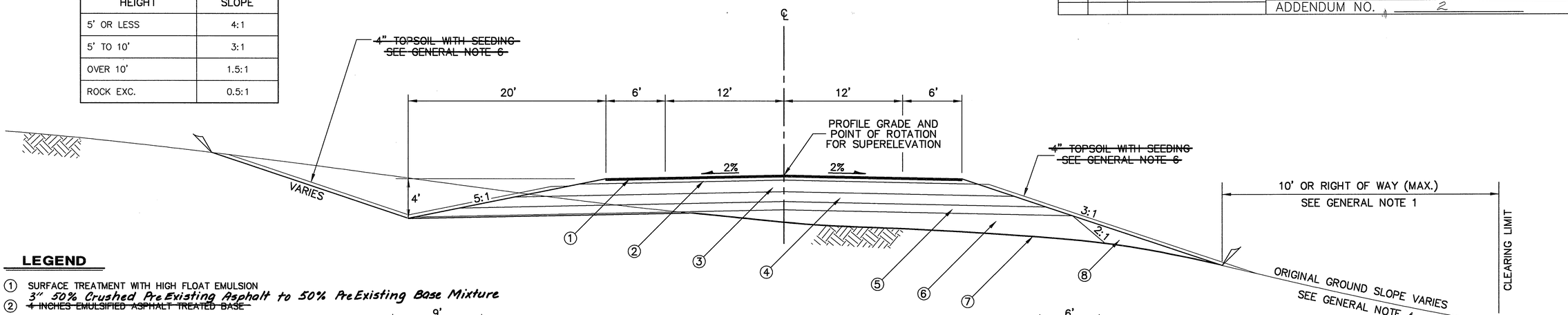
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

GLENN HIGHWAY
MP 109 TO MP 118

CONSTRUCTION SURVEY DATA

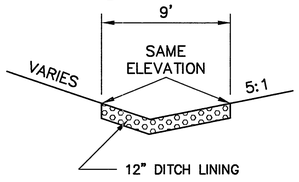
REVISIONS			YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION					
1	12/04/96	GENERAL NOTE 1	1996	ALASKA	IR-0A1-5(4)/56454	B-1	148
2	12/18/96	SURFACE & BASE TREATMENT					
			ATTACHMENT NO. 6				
			ADDENDUM NO. 2				

BACK SLOPE TABLE	
HEIGHT	SLOPE
5' OR LESS	4:1
5' TO 10'	3:1
OVER 10'	1.5:1
ROCK EXC.	0.5:1



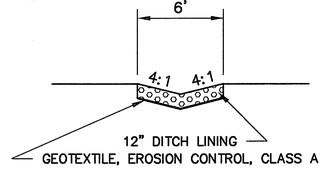
LEGEND

△2 ① SURFACE TREATMENT WITH HIGH FLOAT EMULSION
3" 50% Crushed Pre Existing Asphalt to 50% Pre Existing Base Mixture
△2 ~~② 4 INCHES EMULSIFIED ASPHALT TREATED BASE~~
③ 14 INCHES SELECTED MATERIAL, TYPE A
④ 12 INCHES SELECTED MATERIAL, TYPE B
⑤ 10 INCHES SELECTED MATERIAL, TYPE B-MODIFIED
⑥ SELECTED MATERIAL, TYPE C
⑦ GEOTEXTILE, SEPARATION WHERE REQUIRED
⑧ WASTE OR EXCESS EXCAVATION



DITCH LINING
SEE SUMMARY ON SHEET C-4

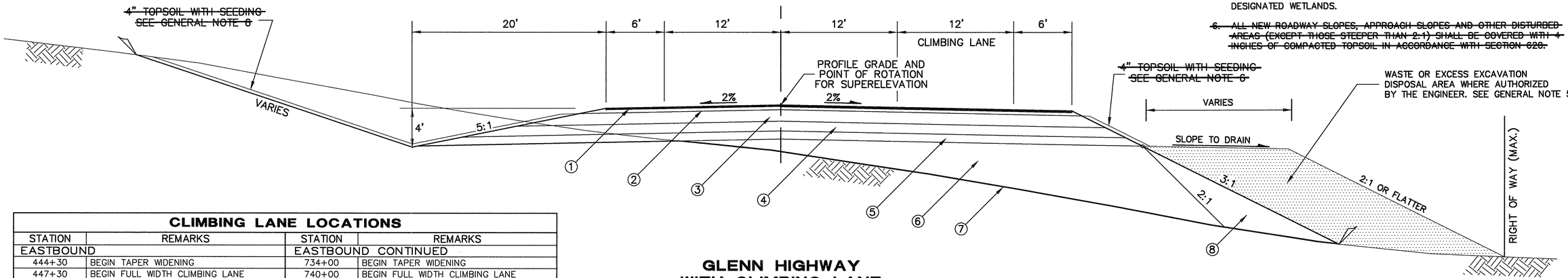
GLENN HIGHWAY WITH NO CLIMBING LANES



FLUME DITCH LINING
SEE SUMMARY ON SHEET C-4

GENERAL NOTES

1. CLEARING SHALL EXTEND 10 FEET OUTSIDE OF THE SLOPE LIMITS OR TO THE RIGHT OF WAY, WHICHEVER IS LESS. CLEARING IN WET LANDS △1 OUTSIDE SLOPE LIMITS AND IN ALL NATURAL SPRING AREAS AFFECTING SOURCES OF POTABLE WATER SHALL BE BY HAND. AVOID DAMAGING ROOTS OR TRUNKS OUTSIDE CLEARING LIMITS.
2. SUPERELEVATION WILL BE BY CASE 1, SEE STANDARD DRAWING I-81.00.
3. EACH SUPERELEVATION TRANSITION SHALL BE LOCATED TWO-THIRDS OUTSIDE THE HORIZONTAL CURVE AND ONE-THIRD INSIDE THE HORIZONTAL CURVE.
4. SHAPE TO MINUS 4:1 OR FLATTER AND REMOVE ALL OBSTACLES BETWEEN THE TOE OF 3:1 SLOPES AND THE CLEARING LIMIT.
5. DISPOSAL OF WASTE OR EXCESS EXCAVATION WILL NOT BE ALLOWED ON DESIGNATED WETLANDS.
6. ~~ALL NEW ROADWAY SLOPES, APPROACH SLOPES AND OTHER DISTURBED AREAS (EXCEPT THOSE STEEPER THAN 2:1) SHALL BE COVERED WITH 4 INCHES OF COMPACTED TOPSOIL IN ACCORDANCE WITH SECTION 629.~~



GLENN HIGHWAY WITH CLIMBING LANE

CLIMBING LANE LOCATIONS			
STATION	REMARKS	STATION	REMARKS
EASTBOUND		EASTBOUND CONTINUED	
444+30	BEGIN TAPER WIDENING	734+00	BEGIN TAPER WIDENING
447+30	BEGIN FULL WIDTH CLIMBING LANE	740+00	BEGIN FULL WIDTH CLIMBING LANE
471+90	END FULL WIDTH CLIMBING LANE	783+00	END FULL WIDTH CLIMBING LANE
477+90	END TAPER WIDENING	789+00	END TAPER WIDENING
499+30	BEGIN TAPER WIDENING	806+30	BEGIN TAPER WIDENING
505+30	BEGIN FULL WIDTH CLIMBING LANE	809+30	BEGIN FULL WIDTH CLIMBING LANE
553+50	END FULL WIDTH CLIMBING LANE	837+30	END FULL WIDTH CLIMBING LANE
559+50	END TAPER WIDENING	843+30	END TAPER WIDENING
600+90	BEGIN TAPER WIDENING	WESTBOUND	
606+90	BEGIN FULL WIDTH CLIMBING LANE	831+90	BEGIN TAPER WIDENING
675+00	END FULL WIDTH CLIMBING LANE	837+90	BEGIN FULL WIDTH CLIMBING LANE
681+00	END TAPER WIDENING	852+50	END FULL WIDTH CLIMBING LANE
		855+50	END TAPER WIDENING



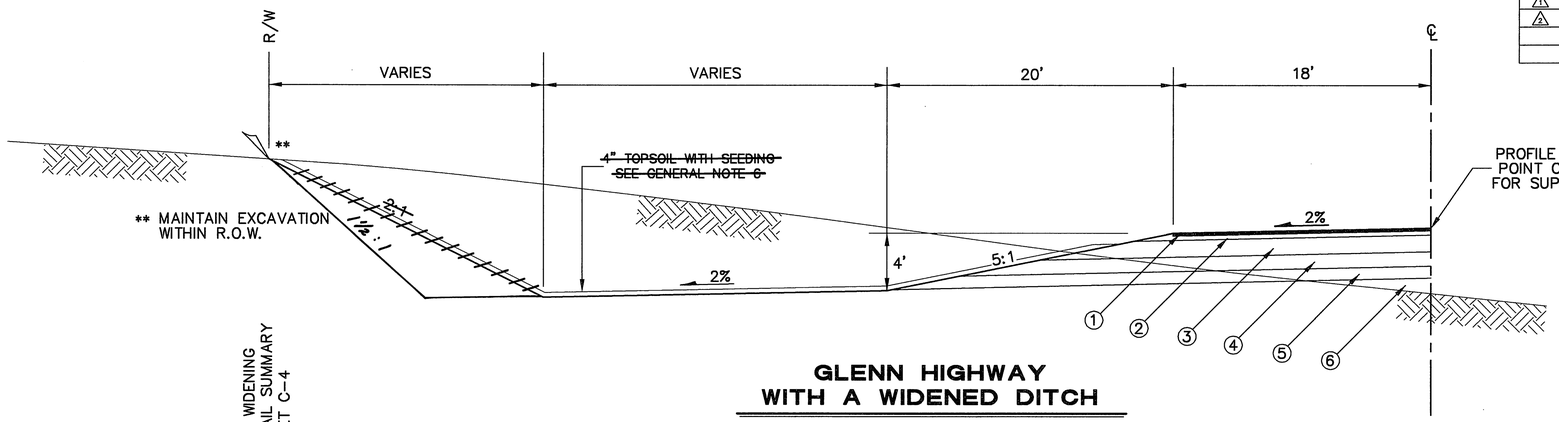


STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

GLENN HIGHWAY MP 109 TO MP 118

TYPICAL SECTIONS

REVISIONS			YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION					
1	12/18/96	SURFACE & BASE TREATMENT	1996	ALASKA	IR-0A1-5(4)/56454	B-2	148
2	12/18/96	CHANGE BM TO B-MODIFIED	ATTACHMENT NO. 6				
			ADDENDUM NO. 2				

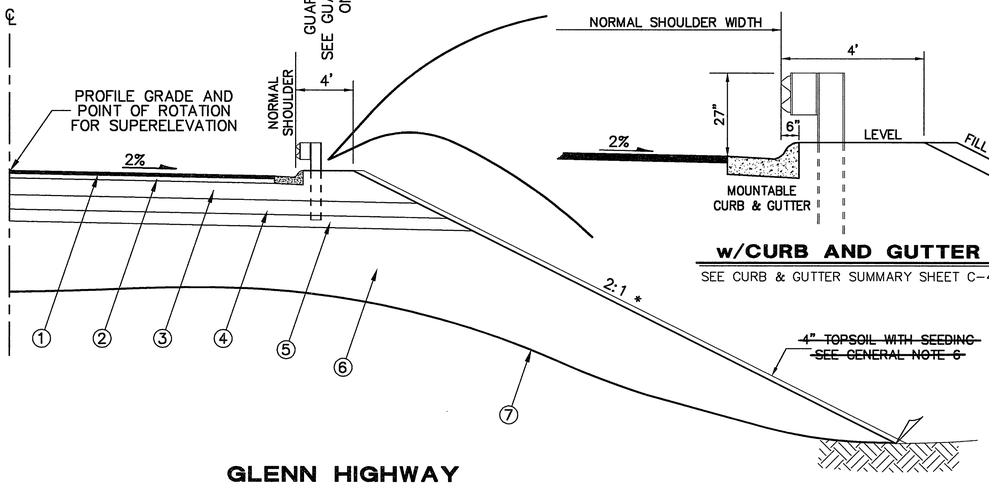


GLENN HIGHWAY WITH A WIDENED DITCH

STA 658+50 TO STA 674+50 LEFT

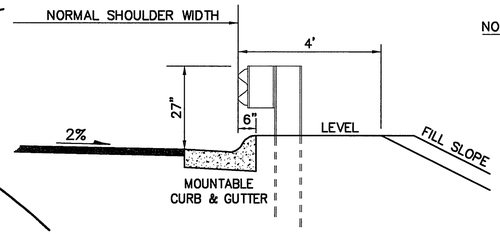
LEGEND

- ⚠ (1) SURFACE TREATMENT WITH HIGH FLOAT EMULSION
- ⚠ (2) ~~4 INCHES EMULSIFIED ASPHALT TREATED BASE~~ 3" 50% Crushed Pre Existing Asphalt to 50% Pre Existing Base Mixture
- (3) 14 INCHES SELECTED MATERIAL, TYPE A
- (4) 12 INCHES SELECTED MATERIAL, TYPE B
- (5) 10 INCHES SELECTED MATERIAL, TYPE B-MODIFIED
- (6) SELECTED MATERIAL, TYPE C
- (7) GEOTEXTILE, SEPARATION WHERE REQUIRED



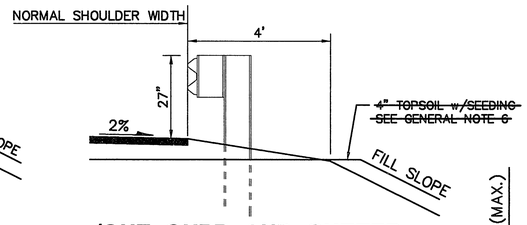
GLENN HIGHWAY WITH GUARDRAIL WIDENING

* 1.5:1 SEE GUARD RAIL SUMMARY ON SHEET C-4

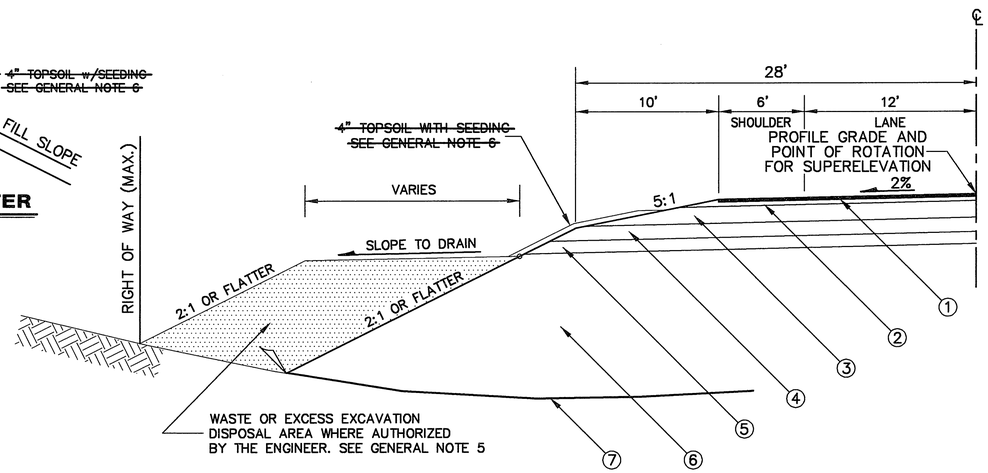


w/CURB AND GUTTER

SEE CURB & GUTTER SUMMARY SHEET C-4

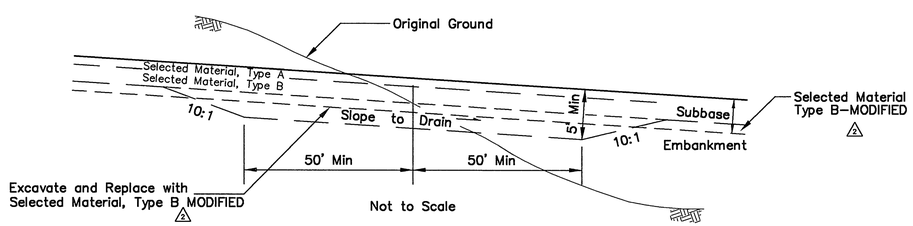


w/OUT CURB AND GUTTER



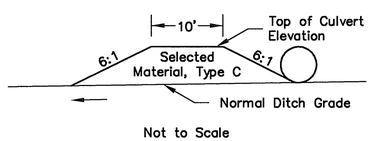
GLENN HIGHWAY WITH "BARN ROOF" SECTION

SHEET	STATION TO STATION	℄ REF.	SHEET	STATION TO STATION	℄ REF.
E-6	456+00 – 457+00	LEFT	E-22	702+00 – 702+50	LT. & RT.
E-9	501+50 – 503+00	RIGHT	E-23/E-24	719+00 – 723+50	LEFT
E-11	527+00 – 532+00	LEFT	E-25	738+00 – 739+00	LEFT
E-12/E-13	551+00 – 560+00	LEFT	E-25 – E-27	742+50 – 769+00	LEFT
E-15	594+50 – 596+60	LEFT	E-33	861+00 – 863+00	LEFT
E-15/E-16	598+60 – 601+00	LEFT			



CUT & FILL - LONGITUDINAL TRANSITION

To be used where difference between Ground Slope and Proposed Grade is greater than 10%



DITCH DIKE

SEE CULVERT INSTALLATION SUMMARY ON SHEET C-3

STATE OF ALASKA 49TH Ted B. Trueblood CE-4475 12/19/96 REGISTERED PROFESSIONAL ENGINEER

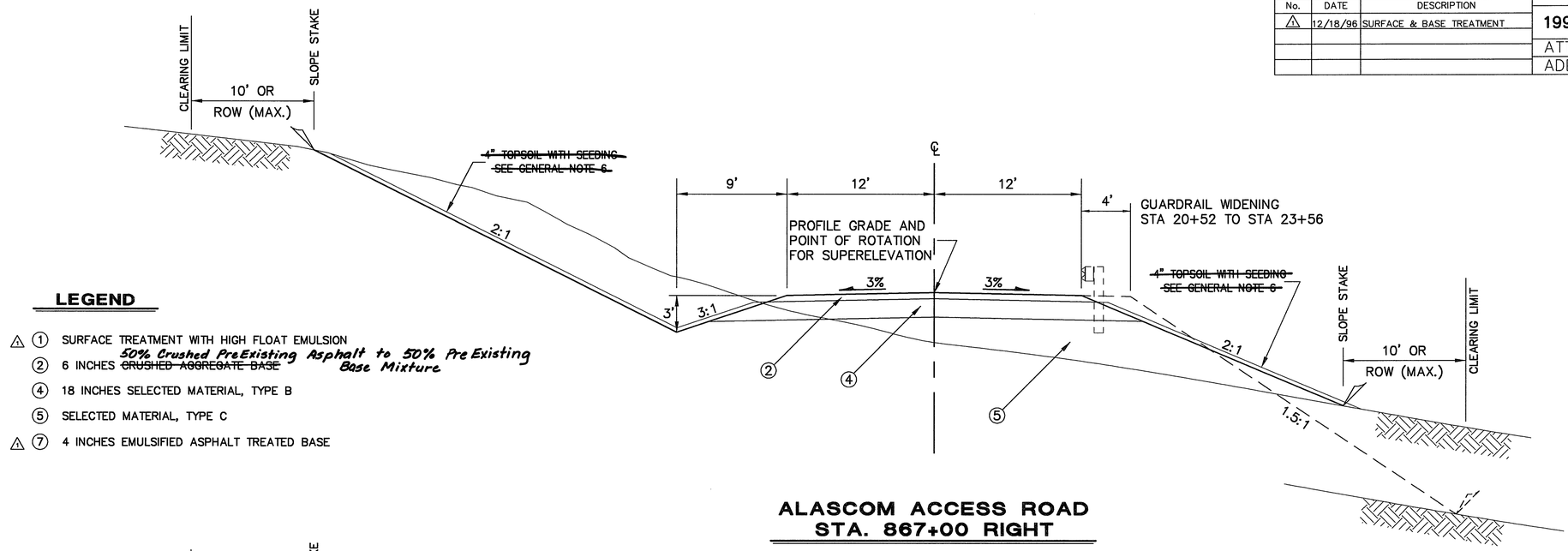
STATE OF ALASKA 49th G.C. SCHWADERER CE-1006 REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

GLENN HIGHWAY MP 109 TO MP 118

TYPICAL SECTIONS

REVISIONS			YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION					
⚠	12/18/96	SURFACE & BASE TREATMENT	1996	ALASKA	IR-0A1-5(4)/56454	B-3	148
			ATTACHMENT NO. 6				
			ADDENDUM NO. 2				



LEGEND

⚠ ① SURFACE TREATMENT WITH HIGH FLOAT EMULSION

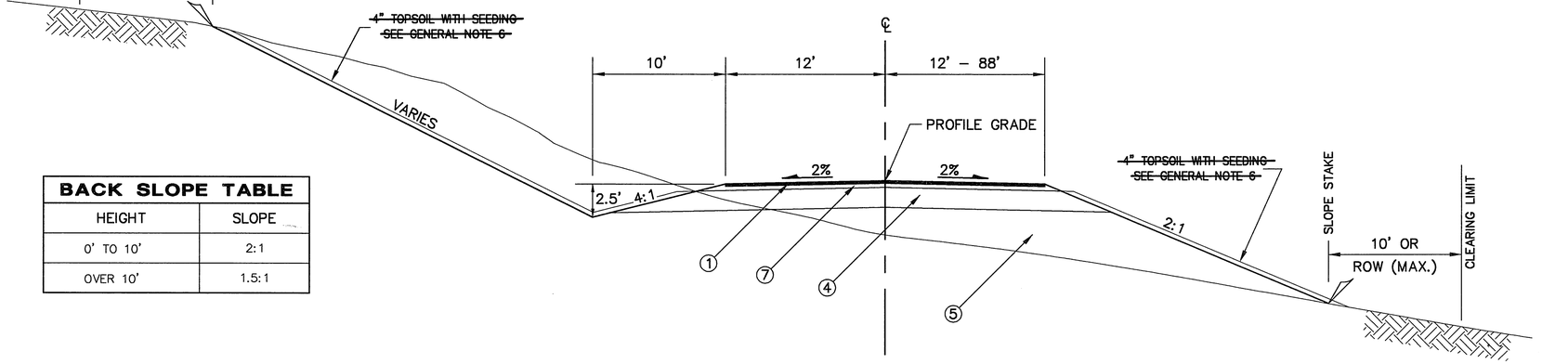
② 6 INCHES ~~CRUSHED AGGREGATE BASE~~ *50% Crushed PreExisting Asphalt to 50% Pre Existing Base Mixture*

④ 18 INCHES SELECTED MATERIAL, TYPE B

⑤ SELECTED MATERIAL, TYPE C

⚠ ⑦ 4 INCHES EMULSIFIED ASPHALT TREATED BASE

ALASCOM ACCESS ROAD
STA. 867+00 RIGHT



BACK SLOPE TABLE	
HEIGHT	SLOPE
0' TO 10'	2:1
OVER 10'	1.5:1

TRAILHEAD ACCESS ROAD
STA. 869+91.04 LEFT

STATE OF ALASKA
49TH
Ted B. Trueblood
CE-4476
12/9/96
REGISTERED PROFESSIONAL ENGINEER

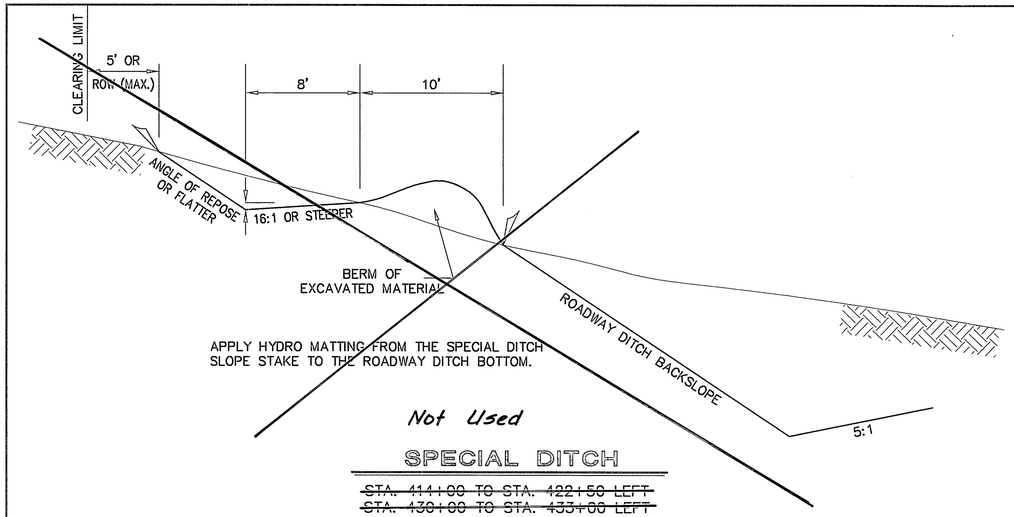
STATE OF ALASKA
49th
G.C. SCHWADERER
CE-1006
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

GLENN HIGHWAY
MP 109 TO MP 118

TYPICAL SECTIONS

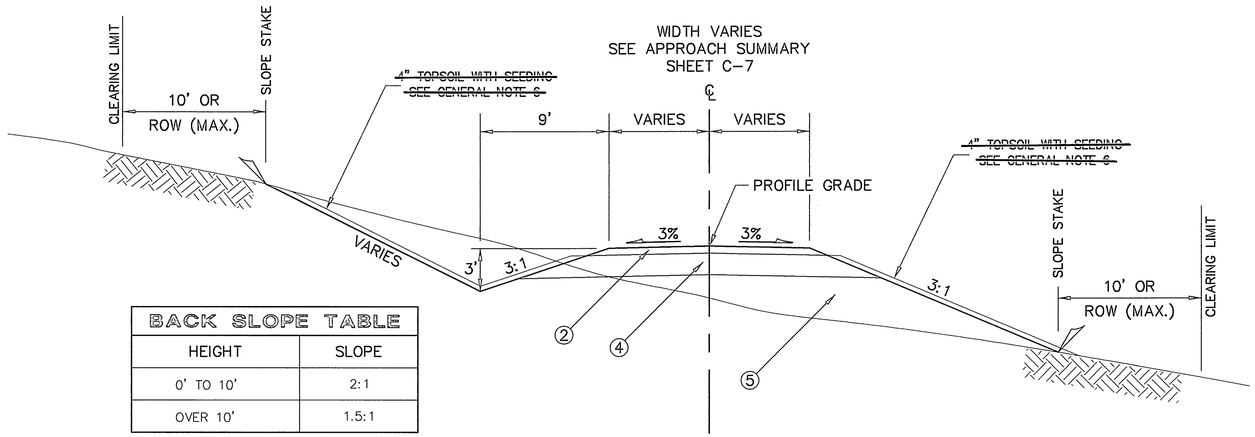
REVISIONS			YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION					
			1996	ALASKA	IR-0A1-5(4)/56454	B-4	148



Not Used

SPECIAL DITCH

~~STA. 414+00 TO STA. 422+50 LEFT~~
~~STA. 430+00 TO STA. 435+00 LEFT~~
~~STA. 437+50 TO STA. 441+00 LEFT~~

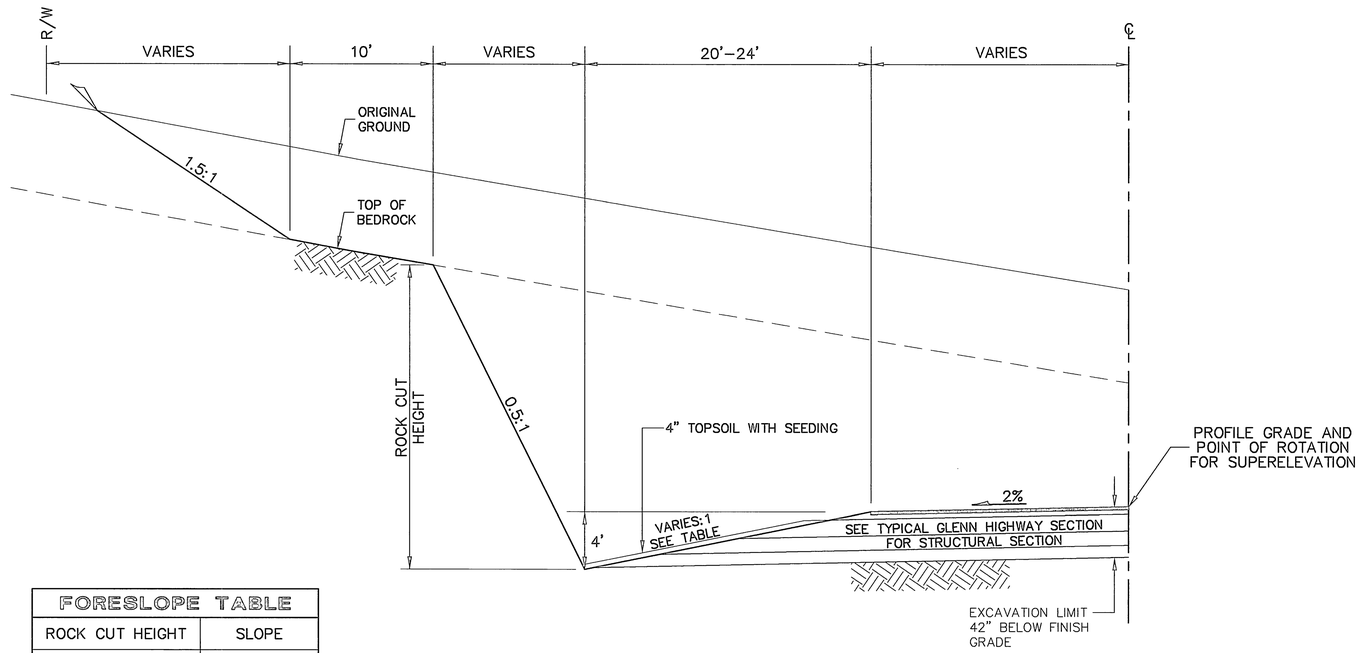


BACK SLOPE TABLE	
HEIGHT	SLOPE
0' TO 10'	2:1
OVER 10'	1.5:1

APPROACHES

LEGEND

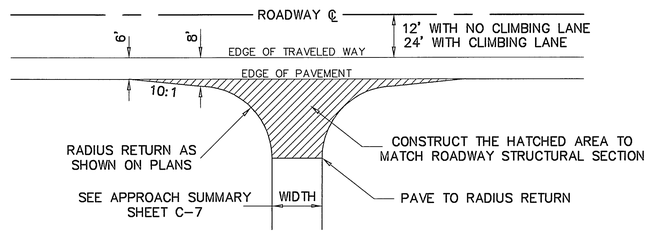
② 6 INCHES CRUSHED ~~AGGREGATE BASE~~ *Pre Existing Asphalt / Base Mix.*
④ 18 INCHES SELECTED MATERIAL, TYPE B
⑤ SELECTED MATERIAL, TYPE C



FORESLOPE TABLE	
ROCK CUT HEIGHT	SLOPE
0' TO 60'	5:1
OVER 60'	6:1

GLENN HIGHWAY
ROCK CUT TYPICAL SECTION

~~APPROX. STA. 427+00 TO STA. 439+00~~
~~APPROX. STA. 463+00 TO STA. 466+00~~
APPROX. STA. ~~473+00~~ *869+00* TO STA. ~~475+00~~ *875+00*



APPROACHES

STATE OF ALASKA
49TH
Ted B. Trueblood
CE-4476
4/11/96
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
49th
G.C. SCHWADERER
CE-1006
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

GLENN HIGHWAY
MP 109 TO MP 118

TYPICAL SECTIONS

ESTIMATE OF QUANTITIES

REVISIONS		
No.	DATE	DESCRIPTION
⚠1	12/04/96	PIPE & HAND CLEARING
⚠2	12/18/96	DELETE 306(1), 401(1,2,4,5), 603(9-48) AND ADD 307(1,2), 406(1,2), 603(33-48)

YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
1996	ALASKA	IR-0A1-5(4)/56454	C-1	148

ATTACHMENT NO. 6
ADDENDUM NO. 2

ITEM NO.	ITEM	UNIT	E-1 TO E-50 AS DESIGNED	E-1 TO E-50 AS BUILT
120(1)	DBE ADJUSTMENT	C.S.	ALL REQ'D	
201(3A)	CLEARING AND GRUBBING	ACRE	~~152~~ ⚠	150.77
201(4A)	HAND CLEARING	ACRE	~~3.75~~ ⚠	4.67
202(1)	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	L.S.	ALL REQ'D	
202(4)	REMOVAL OF CULVERT PIPE	L.F.	~~626~~	681
202(10)	SINGLE MAIL BOX INSTALLATION	EACH	~~10~~	13
202(12)	DOUBLE MAIL BOX INSTALLATION	EACH	3	3
202(23)	GROUND WATER WELL ABANDONMENT	EACH	1	1
203(3)	UNCLASSIFIED EXCAVATION	C.Y.	~~1,527,979~~	1,517,173
203(6A)~~B~~	BORROW, TYPE A ~~& Borrow, Type B~~	TON	~~123,303~~	502,898.6
~~203(6B)~~	~~BORROW, TYPE B~~	~~TON~~	~~136,095~~	Deleted
203(6C)	BORROW, TYPE C	TON	~~205,650~~	99
203(9)	OBLITERATION OF ROADWAY	STA.	~~42.2~~	42.2
203(21)	SPECIAL DITCH	STA.	~~15~~	0
203(28)	FUEL CONTAMINATED SOIL SPECIAL HANDLING	C.S.	ALL REQ'D	
~~301(1)~~	~~CRUSHED AGGREGATE BASE COURSE~~	~~TON~~	~~6,739~~	Deleted
~~307(1)~~ ⚠	~~EMULSIFIED ASPHALT TREATED BASE~~	~~TON~~	~~57,038~~	Deleted
~~307(2)~~ ⚠	~~EMULSIFIED ASPHALT CEMENT PRICE ADJUSTMENT~~	~~C.S.~~	~~ALL REQ'D~~	Deleted
~~406(1)~~ ⚠	~~HFMS-2s ASPHALT FOR SURFACE TREATMENT~~	~~TON~~	~~752~~	Deleted
~~406(2)~~ ⚠	~~COVER COAT MATERIAL FOR SURFACE TREATMENT~~	~~TON~~	~~9,400~~	Deleted
501(4)	CLASS A CONCRETE	C.Y.	~~57~~	57.02
501(6)	CLASS W CONCRETE	C.Y.	~~47~~	49.46
601(1)	METAL FLUME DOWNDRAIN	L.F.	~~44~~	133.0
602(2)	ALUMINUM STRUCTURAL PLATE PIPE ARCH, SPAN 8'10", RISE 6'4", 12 GAUGE CROWN AND HAUNCH, 8 GAUGE INVERT	L.F.	~~120~~	112.5
603(15-48)	CORRUGATED ALUMINUM PIPE ELBOW, THREE PIECE, ⚠ 48-INCH BITUMINOUS COATED, PAVED INVERT, 10 GAUGE	EACH	2	2
603(17-24)	24-INCH PIPE	L.F.	~~4,458~~	4470
603(17-36)	36-INCH PIPE	L.F.	~~2,416~~	2630
603(17-48)	48-INCH PIPE	L.F.	~~458~~	452
603(20-24)	END SECTION FOR 24-INCH PIPE	EACH	~~125~~	136
603(20-36)	END SECTION FOR 36-INCH PIPE	EACH	~~39~~	42
603(22)	24-INCH CORRUGATED POLYETHYLENE PIPE	L.F.	~~334~~	337
603(25)	PIPE REDUCER, THREE PIECE, 36 INCH TO 24 INCH	EACH	1	
603(32-42)	42-INCH RIBBED POLYETHYLENE PIPE	L.F.	~~172~~	156
603(32-48)	48-INCH RIBBED POLYETHYLENE PIPE	L.F.	~~94~~	91
603(33-48) ⚠	48-INCH BITUMINOUS COATED, PAVED INVERT, CORRUGATED ALUMINUM PIPE, 10 GAUGE, 3-INCH x 1-INCH CORRUGATIONS	L.F.	352	352
604(1C)	STORM DRAIN MANHOLE, TYPE III	EACH	1	1
604(5B)	INLET, TYPE B	EACH	~~6~~	2
605(3-6)	6-INCH PERFORATED PIPE UNDERDRAIN	L.F.	~~2,000~~	462
605(5)	POROUS BACKFILL MATERIAL	C.Y.	~~500~~	94
605(7-6)	6-INCH FIN DRAIN	L.F.	~~200~~	1618
605(8-6)	6-INCH NON-PERFORATED CORRUGATED POLYETHYLENE PIPE	L.F.	~~100~~	355
606(1)	W-BEAM GUARDRAIL, TYPE I POST	L.F.	~~9,225~~	7487.5
606(5)	REMOVAL AND DISPOSAL OF GUARDRAIL	L.F.	625	625
606(27)	SLOTTED RAIL TERMINAL	EACH	~~40~~	37
607(1)	BARBED WIRE FENCE	L.F.	1,260	1260
607(5)	DRIVE GATE	EACH	4	4
609(2)	CURB AND GUTTER, TYPE I	L.F.	~~2,736~~	2101
610(4)	DITCH LINING	S.Y.	~~14,680~~	4871.0
611(1A)	RIPRAP, CLASS I	C.Y.	~~499~~	563.8
611(1B)	RIPRAP, CLASS II	C.Y.	~~253~~	974.9
614(1)	SURVEY MONUMENTS	EACH	83	83
614(2)	MONUMENT CASES	EACH	42	42
614(5)	INSTALL SECONDARY MONUMENT	EACH	17	17
615(1)	STANDARD SIGNS	S.F.	~~756.25~~	675.69
616(3)	CULVERT THAW WIRE INSTALLATION	L.F.	~~1,790~~	1814
618(2)	SEEDING	POUND	~~6,728~~	7851
~~618(3)~~	~~WATER FOR SEEDING~~	~~M. GAL~~	~~13,456~~	Deleted
619(3)	HYDRO MATTING	S.Y.	~~112,407~~	29,716
620(1)	TOPSOIL	S.Y.	~~356,500~~	61,043
621(1)	TREES	EACH	13	13
621(2)	SHRUBS	EACH	72	72
627(11)	WATER SYSTEMS	C.S.	ALL REQ'D	
630(1)	GEOTEXTILE, SEPARATION	S.Y.	~~7,750~~	95,581
631(2)	GEOTEXTILE, EROSION CONTROL, CLASS A	S.Y.	1,655	2614
636(1)	GABIONS	C.F.	378	378
639(1)	RESIDENCE DRIVEWAYS	EACH	~~33~~	35
639(2)	SERVICE DRIVEWAYS	EACH	~~4~~	6
639(3)	PUBLIC APPROACHES	EACH	15	15
640(1)	MOBILIZATION AND DEMOBILIZATION	L.S.	ALL REQ'D	
641(1)	EROSION AND POLLUTION CONTROL ADMINISTRATION	L.S.	ALL REQ'D	
641(2)	EROSION AND POLLUTION CONTROL	C.S.	ALL REQ'D	
642(1)	CONSTRUCTION SURVEYING	L.S.	ALL REQ'D	

ITEM NO.	ITEM	UNIT	E-1 TO E-50 AS DESIGNED	E-1 TO E-50 AS BUILT
642(2)	THREE PERSON SURVEY PARTY	HOUR	~~200~~	109.11
642(3)	FOUR PERSON SURVEY PARTY	HOUR	~~40~~	0
642(4)	REPLACE EXISTING WITH PRIMARY MONUMENT	EACH	2	2
642(6)	REFERENCE EXISTING SURVEY MONUMENT	EACH	~~20~~	7
642(9)	CERTIFY POSITIONAL ACCURACY OF MONUMENT	EACH	~~99~~	102
643(2)	TRAFFIC MAINTENANCE	L.S.	ALL REQ'D	
643(3)	PERMANENT CONSTRUCTION SIGNING	L.S.	ALL REQ'D	
643(23)	TRAFFIC PRICE ADJUSTMENT	C.S.	ALL REQ'D	
643(27)	TRAFFIC CONTROL DEVICES	C.S.	ALL REQ'D	
643(29)	NEWSPAPER ADVERTISEMENTS	C.S.	ALL REQ'D	
644(1)	FIELD OFFICE	L.S.	ALL REQ'D	
644(2)	FIELD LABORATORY	L.S.	ALL REQ'D	
644(3)	CURING SHED	L.S.	ALL REQ'D	
644(7)	WATER SAMPLING	C.S.	ALL REQ'D	
644(8)	CONTAMINATED MATERIAL TESTING	C.S.	ALL REQ'D	
644(11)	CAMP FACILITY	L.S.	ALL REQ'D	
645(1)	TRAINING PROGRAM, TWO TRAINEES/APPRENTICES	LABOR HR.	2,500	
646(1)	WIDE PAD DOZER, 65 HP MINIMUM	HOUR	~~80~~	43.75
650(1)	PICNIC TABLE	EACH	2	2
650(3)	PARK BENCH	EACH	2	2
650(11)	SPOTTING SCOPE	EACH	2	2
650(30)	TWO-PANEL INTERPRETIVE KIOSK	EACH	2	2
650(40)	INTERPRETIVE SIGN, TYPE C	EACH	~~6~~	4
654(1)	VAULTED TOILET	EACH	1	1
661(2A)	LOAD CENTER, TYPE 2, SINGLE LINE	EACH	~~10~~	11
661(2B)	LOAD CENTER, TYPE 2, DOUBLE LINE	EACH	~~3~~	2
670(11)	DURABLE PAVEMENT MARKINGS	L.S.	ALL REQ'D	

MAIL BOX INSTALLATION SUMMARY

SHEET	STATION	LOCATION	202(10) SINGLE MAIL BOX	202(12) DOUBLE MAIL BOX
E-2	395+58	RIGHT		~~2~~ 1
E-5	~~440+75~~	RIGHT	454+30 1	
E-7	~~471+62~~	RIGHT	472+30 1	
E-8	~~485+35~~	RIGHT	476+63 1	
E-8	491+26	RIGHT	~~1~~	1
E-9	505+40	RIGHT	~~1~~	1
E-11	~~535+70~~	RIGHT	607+05 1	
E-16	~~608+11~~	RIGHT	611+80 1	
E-16	~~613+00~~	RIGHT	624+80 1	
E-17	~~625+79~~	RIGHT	650+75 1	
E-20	~~671+52~~	RIGHT	662+85 1	1
	405+00	Rt. 1	505+43, Rt. 1	672+75, Rt. 1 Single
	414+24	Rt. 1	671+30, Rt. 1	

TABLE OF ESTIMATING FACTORS

ITEM NO.	ITEM DESCRIPTION	ESTIMATING FACTOR
203(3)	UNCLASSIFIED EXCAVATION	EMBANKMENT = 0.93 x EXCAVATION
203(6A)	BORROW, TYPE A	145 LB./C.F. COMPACTED
203(6B)	BORROW, TYPE B	145 LB./C.F. COMPACTED
203(6BM)	BORROW, TYPE B-MODIFIED	145 LB./C.F. COMPACTED
203(6C)	BORROW, TYPE C	145 LB./C.F. COMPACTED
301(1)	CRUSHED AGGREGATE BASE COURSE	148 LB./C.F. COMPACTED
⚠ 307(1)	EMULSIFIED ASPHALT TREATED BASE	140 LB./C.F.
⚠ 406(1)	HFMS-2s ASPHALT FOR SURFACE TREATMENT	0.75 GAL./S.Y.
⚠ 406(2)	COVER COAT MATERIAL FOR SURFACE TREATMENT	75 LB./S.Y.
618(2)	SEEDING	1.0 LB./1000 S.F.
618(3)	WATER FOR SEEDING	2.0 M-GAL./1000 S.F.

203(21) SPECIAL DITCH SUMMARY

SHEET	STATION TO STATION	LENGTH
E-3/E-4	414+00 LT TO 422+50 LT	850'
E-4/E-5	430+00 LT TO 433+00 LT	300'
E-5	437+50 LT TO 441+00 LT	350'

⚠

201(4A) HAND CLEARING SUMMARY

STATION TO STATION	AREA
448+00 TO 450+00	0.8 ACRES
477+00 TO 480+00	1.6 ACRES
701+10 TO 702+50	0.03 ACRES
720+60 TO 722+00	0.03 ACRES
732+80 TO 734+25	0.03 ACRES
742+50 TO 750+00	0.34 ACRES
751+50 TO 753+50	0.09 ACRES
847+00 TO 865+00	0.83 ACRES
528+00 to 530+00	0.58 Acres

203(9) OBLITERATION OF ROADWAY SUMMARY ②

SHEET	STATION TO STATION	LENGTH
E-3	407+82 TO 412+80	550'
E-3	413+16 TO 413+76	160'
E-3	417+35 TO 417+98	100'
E-3/E-4	418+49 TO 420+12	170'
E-4	422+88 TO 423+42	65'
E-6/E-7	461+57 TO 468+82	720'
E-7	472+93 TO 475+44	270'
E-7/E-8	476+83 TO 482+23	580'
E-18	643+47 TO 644+09	125'
E-19	648+74 TO 650+32	220'
E-19	650+98 TO 657+39	625'
E-19	657+80 TO 658+15	35'
E-21	679+68 TO 681+11	150'
E-36	ALASCOM ROAD	450'

STATE OF ALASKA
49TH
Ted B. Trueblood
CE-4476
12/19/96
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

GLENN HIGHWAY
MP 109 TO MP 118
QUANTITY SHEET
AND
SUMMARY SHEET

EARTHWORK SUMMARY

REVISIONS		
No.	DATE	DESCRIPTION

YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
1996	ALASKA	IR-0A1-5(4)/56454	C-2	148

EARTHWORK SUMMARY

EMBANKMENT EQUATION: EMB: = ("A" EXCAVATION) 0.93 + ("B" EXCAVATION) 0.93 + ("B-Mod" EXCAVATION) 0.93 + ("C" EXCAVATION) 0.87 + (ROCK EXCAVATION) 1.10 − "A" EXCESS/(IMPORT) EXCAVATION − "B" EXCESS/(IMPORT) EXCAVATION − "B-Mod" EXCESS/IMPORT EXCAVATION − "C" EXCESS/IMPORT EXCAVATION

STATION TO STATION		EMBANKMENT (I) SELECTED (1) A	SELECTED B	SELECTED B-Mod	SELECTED C	SLOPE FLAT MATERIAL	(2) TOTAL EMBANKMENT	EXCAVATION (II) A vol C.Y.	B vol C.Y.	B-Mod vol C.Y.	C vol C.Y.	ROCK vol C.Y.	WASTE vol C.Y.	STRIP vol C.Y.	EXCESS/(IMPORT) EXCAVATION (III) (8) A vol 0.93	B vol 0.93	B-Mod vol 0.93	C (3) 0.87 1.1	STRIP & WASTE
38361.4 TO 42650	ML (6)	8,496	8,909	2,850	66,012	4,037	86,267	0	0	94,773	12,551	0	0	19,406	(8,496)	(8,909)	85,289	(55,093)	19,406
	MSC (6)	0	3,469	0	3,295	0	6,764	0	0	0	19,962	0	0	1,996	(4) 0	(3,469)	0	14,072	1,996
	TOT	8,496	12,378	2,850	69,307	4,037	93,031	0	0	94,773	32,513	0	0	21,402	(8,496)	(12,378)	85,289	(41,021)	21,402
42650 TO 45300	ML	5,851	5,998	5,691	38,014	0	55,554	0	0	81,506	53,026	136,012	0	20,021	(5,851)	(5,998)	70,110	157,732	20,021
	MSC	0	373	0	9,277	0	9,650	0	0	0	97	0	0	10	0	(373)	0	(9,193)	10
	TOT	5,851	6,371	5,691	47,291	0	65,204	0	0	81,506	53,123	136,012	0	20,031	(5,851)	(6,371)	70,110	148,539	20,031
45300 TO 47600	ML	5,822	5,974	5,419	13,172	0	30,387	0	0	24,456	55,325	41,789	25,223	5,452	(5,822)	(5,974)	17,325	80,929	30,675
	MSC	0	1,694	0	681	0	2,375	0	0	0	6,009	0	0	601	0	(1,694)	0	4,547	601
	TOT	5,822	7,668	5,419	13,853	0	32,762	0	0	24,456	61,334	41,789	25,223	6,053	(5,822)	(7,668)	17,325	85,475	31,276
47600 TO 48200	ML	1,248	1,254	1,175	160,179	0	163,856	0	0	68	135	0	68	1,966	(1,248)	(1,254)	(1,112)	(160,062)	2,034
	MSC	0	383	0	821	0	1,204	0	0	0	2,010	0	0	201	0	(383)	0	928	201
	TOT	1,248	1,637	1,175	161,000	0	165,060	0	0	68	2,145	0	68	2,167	(1,248)	(1,637)	(1,112)	(159,134)	2,235
48200 TO 52500	ML	9,982	10,376	5,749	6,139	472	32,246	0	0	56,283	126,636	0	0	26,586	(9,982)	(10,376)	46,594	104,034	26,586
	MSC	0	2,491	0	0	1,983	2,491	0	0	0	24,737	0	0	2,474	0	(2,491)	0	21,521	2,474
	TOT	9,982	12,867	5,749	6,139	2,455	34,737	0	0	56,283	151,373	0	0	29,060	(9,982)	(12,867)	46,594	125,556	29,060
52500 TO 64950	ML	28,802	23,653	20,522	85,433	8,314	158,410	15,943	20,238	12,633	45,260	2,263	0	28,715	(13,975)	(4,832)	(8,773)	(43,568)	28,715
	MSC	1,508	4,511	0	0	6,818	6,019	0	0	0	10,971	0	0	1,097	(1,508)	(4,511)	0	9,545	1,097
	TOT	30,310	28,164	20,522	85,433	15,132	164,429	15,943	20,238	12,633	56,231	2,263	0	29,812	(15,483)	(9,343)	(8,773)	(34,023)	29,812
64950 TO 68050	ML	7,679	4,750	2,548	60,341	4,317	75,318	45,021	45,021	0	23,678	0	0	16,337	34,191	37,120	(2,548)	(39,741)	16,337
	MSC	0	1,546	0	0	8,351	1,546	0	0	0	3,204	0	0	320	0	(1,546)	0	2,787	320
	TOT	7,679	6,296	2,548	60,341	12,668	76,864	45,021	45,021	0	26,882	0	0	16,657	34,191	35,574	(2,548)	(36,954)	16,657
68050 TO 73050	ML	10,282	10,771	10,310	78,536	3,365	109,899	0	0	0	21,298	0	91,560	32,699	(10,282)	(10,771)	(10,310)	(60,007)	124,259
	MSC	3,011	2,792	0	0	23,177	5,803	0	0	0	9,952	0	0	995	(3,011)	(2,792)	0	8,658	995
	TOT	13,293	13,563	10,310	78,536	26,542	115,702	0	0	0	31,250	0	91,560	33,694	(13,293)	(13,563)	(10,310)	(51,349)	125,254
73050 TO 77800	ML	11,636	11,399	10,267	234,919	53,156	268,221	0	0	0	4,045	0	4,045	14,466	(11,636)	(11,399)	(10,267)	(231,400)	18,511
	MSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TOT	11,636	11,399	10,267	234,919	53,156	268,221	0	0	0	4,045	0	4,045	14,466	(11,636)	(11,399)	(10,267)	(231,400)	18,511
77800 TO 88250	ML	23,996	24,385	22,992	164,850	11,742	236,223	0	0	0	72,177	0	57,374	73,895	(23,996)	(24,385)	(22,992)	(102,056)	131,269
	MSC	1,374	5,488	0	0	21,054	6,862	0	0	0	32,175	0	0	3,218	(1,374)	(5,488)	0	27,992	3,218
	TOT	25,370	29,873	22,992	164,850	32,796	243,085	0	0	0	104,352	0	57,374	77,113	(25,370)	(29,873)	(22,992)	(74,064)	134,487
	ML	113,794	107,469	87,523	907,595	85,403	1,216,381	60,964	65,259	269,719	414,131	180,064	178,270	239,543	(57,097)	(46,778)	163,316	(349,231)	417,813
EMB. / EXC.	MSC	5,893	22,747	0	14,074	61,383	42,714	0	0	0	109,117	0	0	10,912	(5,893)	(22,747)	0	80,858	10,912
TOTALS	TOT	119,687	130,216	87,523	921,669	146,786	1,259,095	60,964	65,259	269,719	523,248	180,064	178,270	250,455	(62,990) (5)	(69,525)	163,316 (7)	(268,373) (7)	428,725

EARTHWORK SUMMARY NOTES:

(1) ALL QUANTITIES IN THE EARTHWORK SUMMARY ARE SHOWN IN CUBIC YARDS.

(2) TOTAL EMBANKMENT DOES NOT INCLUDE VOLUME OF SLOPE FLATTENING MATERIAL.

(3) "C" EXCESS/IMPORT INCLUDES SELECT "C" EXCAVATION AND ROCK EXCAVATION.

(4) VOLUMES SHOWN IN PARENTHESES IN SECTION III ARE NEGATIVE EXCESS OR A DEFICIENCY OF MATERIAL.

(5) DEFICIENCY IN THE "TOTALS" ROW INDICATES AMOUNT OF IMPORTED MATERIALS (BORROW) REQUIRED.

(6) MISCELLANEOUS VOLUMES INCLUDE ALASCOM & TRAILHEAD ACCESS ROADS, DRIVEWAYS, TURNOUTS AND APPROACHES.

(7) EXCESS B-MODIFIED EXCAVATION IS ASSUMED TO BE USED TO OFFSET THE SELECT 'C' DEFICIENCY.

(8) EXCESS/IMPORT EXCAVATION VOLUMES ARE SHRUNK EXCEPT FOR ROCK WHICH IS SWELLED AND STRIPPING & WASTE WHICH ARE UNADJUSTED.

STATE OF ALASKA
49TH
Ted B. Trueblood
CE-4476
REGISTERED PROFESSIONAL ENGINEER
10/18/96

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

GLENN HIGHWAY
MP 109 TO MP 118

EARTHWORK SUMMARY

SUMMARY SHEET

REVISIONS			YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION					
⚠	12/04/96	CHANGE BCPI TO CAP	1996	ALASKA	IR-0A1-5(4)/56454	C-3	148
			ATTACHMENT NO. #6				
			ADDENDUM NO. #2				

CULVERT INSTALLATION SUMMARY

SHEET	STATION	OFFSET	ITEM No. DIAMETER	LENGTH	ITEM No. END SECTION	DITCH DIKE	REMARKS
E-1	386+~~01~~00	℄	603(17-24) 24"	~~52'~~80'	603(20-24) – 2		CROSS CULVERT DITCH OUT RIGHT
E-2	392+~~08~~00	℄	603(17-24) 24"	~~112'~~108'	603(20-24) – 2		CROSS CULVERT RADIAL
E-2	393+68	℄	603(17-24) 24"	~~68'~~72'	603(20-24) – 2		CROSS CULVERT DITCH OUT RIGHT
404+79 E-2	~~403+93~~	℄	603(17-24) 24"	~~66'~~36'	603(20-24) – 2		~~CROSS CULVERT RADIAL DITCH OUT RIGHT~~
E-3	410+~~45~~38	℄	603(17-24) 24"	72'	603(20-24) – 2		CROSS CULVERT RADIAL
E3/E42	413+00	177' RT	603(17-24) 24"	~~38'~~24'	603(20-24) – 2		APPROACH CULVERT
E3/E42	414+24	38' LT	603(17-24) 24"	~~32'~~40'	603(20-24) – 2		APPROACH CULVERT
E-4	423+60-424+68	230'-68'RT	603(17-24) 24"	192'			TEMPORARY DIVERSION – SEE SHEET D5 & D7
E-4	425+30	℄	603(9-48) 48" CAP ⚠	352'			CROSS CULVERT SKEW 38° LT AHD-SEE SHEET D6
E-4	425+86	51' LT	603(17-36) 36"	~~16'~~ 0	~~603(20-36) – 1 LT~~		CROSS CULVERT – EXTEND EXISTING
~~E4/E42~~	~~425+82~~	~~128' LT~~	~~603(17-24) 24"~~	~~40'~~	~~603(20-24) – 2~~		~~APPROACH CULVERT~~
~~E4/E43~~	~~426+34~~	~~120' RT~~	~~603(17-24) 24"~~	~~22'~~	~~603(20-24) – 2~~		~~APPROACH CULVERT~~
E-4	426+50	℄	603(17-24) 24"	~~64'~~74'	603(20-24) – 2	1 RT	CROSS CULVERT RADIAL DITCH OUT LEFT
E-5	439+75	℄	603(17-24) 24"	~~90'~~80'	603(20-24) – 2		CROSS CULVERT RADIAL
441+75 E5/E38	~~442+00~~	38' LT	603(17-24) 24"	~~44'~~40'	603(20-24) – 2		APPROACH CULVERT
441+00 E5/E44	~~442+29~~	129' RT	603(17-24) 24"	~~34'~~40'	603(20-24) – 2		APPROACH CULVERT
443+00 E-5	~~442+98~~	℄	603(17-24) 24"	~~60'~~62'	603(20-24) – 1 LT		OUTLET FROM TYPE B INLET RT SKEW 35° RT AHD
~~E-5~~	~~443+28-443+84~~	~~18'RT~~	~~603(17-24) 24"~~	~~58'~~			~~BETWEEN TYPE B INLETS RIGHT~~
E-5	446+84	℄	603(17-24) 24"	~~68'~~76'	603(20-24) – 1 LT		OUTLET FROM TYPE B INLET RT SKEW 30° RT AHD
~~E-5~~	~~448+80~~	~~℄~~	~~603(17-24) 24"~~	158'	~~603(20-24) – 2~~		~~CROSS CULVERT DITCH IN LEFT~~
~~E-6~~	~~450+05~~	~~℄~~	~~603(17-24) 24"~~	~~70'~~	~~603(20-24) – 1 LT~~		~~OUTLET FROM TYPE B INLET RT SKEW 30° RT AHD~~
448+00 E-6	~~454+25~~	℄	603(17-24) 24"	~~72'~~45	603(20-24) – 2	1 LT	~~CROSS CULVERT SKEW 9° LEFT AHEAD~~
E-7	466+39	℄	603(17-24) 24"	~~76'~~69'	603(20-24) – 2	2 LT	CROSS CULVERT DITCH OUT RIGHT
E7/E45	474+00	44.5' RT	603(17-24) 24"	~~34'~~36'	603(20-24) – 2		APPROACH CULVERT
475+58 E7/E45	~~475+44~~	38' LT	603(17-24) 24"	40'	603(20-24) – 2		APPROACH CULVERT
E-8	482+09	℄	603(17-24) 24"	~~54'~~90'	603(20-24) – 1 LT		OUTLET FROM TYPE B INLET RT DITCH OUT LT
486+00 E-8	~~485+26~~	℄	603(17-24) 24"	~~56'~~66'	603(20-24) – 2		CROSS CULVERT RADIAL
E8/E44	491+00	38' RT	603(17-24) 24"	~~42'~~44'	603(20-24) – 2		APPROACH CULVERT
E8/E44	493+00	38' LT	603(17-24) 24"	44'	603(20-24) – 2		APPROACH CULVERT
E9/E45	496+75	38' RT	603(17-24) 24"	44'	603(20-24) – 2		APPROACH CULVERT
E-9	502+87	℄	603(17-24) 24"	~~86'~~90'	603(20-24) – 2	1 LT	CROSS CULVERT SKEW 18° LEFT AHEAD
E-9	509+00	℄	603(17-24) 24"	72'	603(20-24) – 2	1 LT	CROSS CULVERT DITCH OUT RIGHT
E-10	514+00	℄	603(17-24) 24"	~~76'~~80'	603(20-24) – 2	1 LT	CROSS CULVERT
E10/E11	525+00	℄	603(17-24) 24"	~~70'~~75'	603(20-24) – 2	1 LT	CROSS CULVERT DITCH OUT RIGHT
529+05 E-11	~~529+00~~	℄	603(17-24) 24"	~~150'~~151'	603(20-24) – 2		CROSS CULVERT DITCH IN LEFT
E-11	533+35	℄	603(32-48) 48" RPP	~~94'~~91'			CROSS CULVERT – SEE SHEET D14–D16
E-11	535+70	℄	603(22) 24" CPP	~~86'~~85'	603(20-24) – 2		CROSS CULVERT
E-12	545+77	℄	603(22) 24" CPP	~~70'~~71'	603(20-24) – 2		CROSS CULVERT
E-13	556+00	℄	603(22) 24" CPP	~~110'~~111'	603(20-24) – 2		CROSS CULVERT
E13/E37	560+00	62' LT	603(17-24) 24"	~~64'~~64'	603(20-24) – 2		APPROACH CULVERT
E-13	563+75	℄	603(32-42) 42" RPP	~~172'~~	156'	2 LT	TWIN CROSS CULVERTS – SEE SHEET D17
E-13	569+47	℄	603(22) 24" CPP	~~68'~~70'	603(20-24) – 2	1 LT	CROSS CULVERT
E-14	573+60	℄	603(17-24) 24"	~~64'~~62'	603(20-24) – 2		CROSS CULVERT DITCH OUT RIGHT
E-14	577+68	℄	603(17-24) 24"	~~58'~~68'	603(20-24) – 2		CROSS CULVERT
580+00 E-14	~~580+48~~	℄	603(17-24) 24"	~~62'~~67'	603(20-24) – 2		CROSS CULVERT
E-15	589+89	℄	603(17-24) 24"	~~82'~~90'	603(20-24) – 2		CROSS CULVERT
E-15	597+00	℄	603(17-48) 48"	~~74'~~70'		1 LT	CROSS CULVERT – SEE SHT D18
E15/E47	599+87	38' LT	603(17-36) 36"	~~72'~~60'	603(20-36) – 2		APPROACH CULVERT
E16/E48	603+65	38' LT	603(17-24) 24"	~~92'~~45'	603(20-24) – 2		APPROACH CULVERT
E16/E48	609+75	38' LT	603(17-24) 24"	~~46'~~44'	603(20-24) – 2		APPROACH CULVERT

⚠ CAP = CORRUGATED ALUMINUM PIPE CPP = CORRUGATED POLYETHYLENE PIPE RPP = RIBBED POLYETHYLENE PIPE

CULVERT INSTALLATION SUMMARY

SHEET	STATION	OFFSET	ITEM No. DIAMETER	LENGTH	ITEM No. END SECTION	DITCH DIKE	REMARKS
E-16	611+18	℄	603(17-24) 24"	~~76'~~74'	603(20-24) – 2	1 LT	CROSS CULVERT
E-17	618+00	℄	603(17-24) 24"	80'	603(20-24) – 2	1 LT	CROSS CULVERT
E-17	628+91	℄	603(17-24) 24"	~~86'~~84'	603(20-24) – 2	1 LT	CROSS CULVERT
E-18	634+00	℄	603(17-24) 24"	~~76'~~74'	603(20-24) – 2	1 LT	CROSS CULVERT
E-18	637+59	℄	603(17-24) 24"	~~82'~~74'	603(20-24) – 2	1 LT	CROSS CULVERT RADIAL
E-19	651+02	℄	603(17-24) 24"	~~78'~~80'	603(20-24) – 2		CROSS CULVERT
E-19	657+60	℄	602(2) 8'10"x 6'4"	~~122'~~	112.5'	1 LT	CROSS CULVERT RADIAL – SEE SHEET D19
~~E-20~~	~~662+61~~	~~℄~~	~~603(17-24) 24"~~	~~124'~~	~~603(20-24) – 2~~		~~CROSS CULVERT SKEW 12° RT AH. SPECIAL DITCH LT~~
E20/E21	675+00	℄	603(17-24) 24"	~~66'~~75'	603(20-24) – 1 LT		OUTLET FROM TYPE B INLET RIGHT
E-21	678+45	℄	603(17-36) 36"	184'	603(20-36) – 2		CROSS CULVERT SKEW 15° RIGHT AHEAD
E21/E38	681+50	61' LT	603(17-24) 24"	~~46'~~40'	603(20-24) – 2		APPROACH CULVERT
687+00 E-21	~~686+50~~	℄	603(17-24) 24"	~~84'~~104'	603(20-24) – 2		CROSS CULVERT SKEW 19° RIGHT AHEAD
E-22	692+74	℄	603(17-36) 36"	~~70'~~54'	603(20-36) – 2	1 LT	CROSS CULVERT RADIAL
E-22	702+14	℄	603(17-36) 36"	~~114'~~122'	603(20-36) – 2		CROSS CULVERT
E-22	704+02	℄	603(17-36) 36"	~~60'~~61'	603(20-36) – 2	1 LT	CROSS CULVERT
E-23	706+~~50~~65	℄	603(17-36) 36"	~~50'~~76'	603(20-36) – 2	1 LT	CROSS CULVERT DITCH OUT RIGHT
E23/E39	711 ~~709~~+07	106' RT	603(17-24) 24"	~~58'~~60'	603(20-24) – 2		CROSS CULVERT IN TURNOUT
E-23	712+~~05~~64	℄	603(17-36) 36"	~~58'~~110'	603(20-36) – 2	1 LT	CROSS CULVERT SKEW 29° RIGHT AHEAD
~~E-23~~	~~714+50~~	~~℄~~	~~603(17-36) 36"~~	~~136'~~	~~603(20-36) – 2~~	~~1 LT~~	~~CROSS CULVERT SKEW 31° LEFT AHEAD~~
E-24	722+07	℄	603(17-36) 36"	~~140'~~160'	603(20-36) – 2		CROSS CULVERT SKEW 34° LEFT AHEAD
E-24	732+75	℄	603(17-36) 36"	~~134'~~164'	603(20-36) – 2		CROSS CULVERT SKEW 20° RIGHT AHEAD
737+65 E-25	~~738+89~~	℄	603(17-36) 36"	~~106'~~122'	603(20-36) – 2	1 LT	CROSS CULVERT RADIAL
743+28 E-25	~~742+84~~	℄	603(17-36) 36"	~~168'~~190'	603(20-36) – 2		CROSS CULVERT SKEW 7° RIGHT AHEAD
747+75 E-25	~~748+17~~	℄	603(17-36) 36"	~~158'~~194'	603(20-36) – 2		CROSS CULVERT SKEW 8° LEFT AHEAD
752+90 E-26	~~752+57~~	℄	603(17-36) 36"	~~218'~~240'	603(20-36) – 2		CROSS CULVERT SKEW 3° RIGHT AHEAD
E-26	761+~~12~~00	℄	603(17-36) 36"	~~136'~~124'	603(20-36) – 2		CROSS CULVERT SKEW 16°30' LEFT AHEAD
765+43 E-27	~~767+15~~	℄	603(17-36) 36"	~~166'~~148'	603(20-36) – 2		CROSS CULVERT SKEW 13° RIGHT AHEAD
773+00 E-27	~~772+00~~	℄	603(17-24) 24"	~~160'~~120'	603(20-36) – 2	1 LT	CROSS CULVERT
E-28	780+~~10~~20	℄	603(17-36) 36"	~~125'~~178'	603(20-36) – 2	1 LT	CROSS CULVERT SKEW 8° RIGHT AHEAD
E-28	792+10	℄	603(17-36) 36"	~~54'~~61'	603(20-36) – 2		CROSS CULV SKEW 4° RT AHD DITCHOUT RT
E-29	796+~~36~~//	℄	603(17-24) 24"	64'	603(20-24) – 2		CROSS CULVERT DITCH OUT RIGHT
E-29	800+~~32~~30	℄	603(17-48) 48"	~~222'~~	216'		CROSS CULV SKEW 5° RT AHD–SEE SHT D20–D22
E29/E39	802+50	52' RT	603(17-24) 24"	50'	603(20-24) – 2		APPROACH CULVERT
806+00 E-29	~~805+06~~	℄	603(17-24) 24"	~~66'~~90'	603(20-24) – 2	1 LT	CROSS CULVERT
E29/E30	810+00	℄	603(17-36) 36"	~~64'~~85'	603(20-36) – 2	1 LT	CROSS CULVERT
817+98 E-30	~~818+00~~	℄	603(17-24) 24"	~~70'~~84'	603(20-24) – 2	1 LT	CROSS CULVERT
E-31	829+~~91~~82	℄	603(17-36) 36"	~~122'~~104'	603(20-36) – 2	1 LT	CROSS CULVERT SKEW 21° RIGHT AHEAD
843+91 E-32	~~844+00~~	℄	603(17-24) 24"	~~70'~~90'	603(20-24) – 2	1 LT	CROSS CULVERT RADIAL–DITCH OUT RIGHT
E-32	852+~~13~~74	℄	603(17-36) 36"	~~62'~~80'	603(20-36) – 2	1 LT	CROSS CULVERT RADIAL
E-33	858+75	℄	603(17-48) 48"	~~162'~~	166'		CROSS CULVERT SKEW 28° RT AHD – SEE SHEET D23
E-33	863+42	℄	603(17-24) 24"	~~100'~~70'	603(20-24) – 2		CROSS CULVERT
E-33	869+00	℄	603(17-24) 24"	64'	603(20-24) – 2	1 LT	CROSS CULVERT DITCH OUT TO AR 23+00
E33/E36	869+91	38' LT	603(17-24) 24"	~~70'~~96'	603(20-24) – 2		APPROACH CULVERT
E-34	877+00	℄	603(17-24) 24"	~~70'~~100'	603(20-24) – 2	1 LT	CROSS CULVERT RADIAL DITCH OUT RIGHT
E-35	23+00	℄	603(17-24) 24"	60'	603(20-24) – 2		CROSS CULVERT – ALASCOM ROAD
E-35	26+50	℄	603(17-24) 24"	34'	603(20-24) – 2		CROSS CULVERT – ALASCOM ROAD

⚠ CAP = CORRUGATED ALUMINUM PIPE CPP = CORRUGATED POLYETHYLENE PIPE RPP = RIBBED POLYETHYLENE PIPE

CULVERT HEADWALL SUMMARY

SHEET	STATION	CONCRETE 501(4) CLASS A	CONCRETE 501(6) CLASS W	
E-4	424+95 LT	3.73 CY		
E-4	424+95 RT 24.68	~~24.69~~ CY		
E-11	533+35 LT		~~4.83~~ CY	5.24
E-11	533+35 RT	6.28 CY		
E-13	563+65 LT		~~5.36~~ CY	5.71
E-13	563+65 RT		~~5.36~~ CY	
E-15	597+00 LT		4.83 CY	
E-15	597+00 RT		4.83 CY	
E-19	657+60 LT		3.46 CY	
E-19	657+60 RT		3.46 CY	
E-29	800+32 LT		4.83 CY	
E-29	800+32 RT	22.33 CY		
E-33	858+75.06 LT		4.83 CY	
E-33	858+75.06 RT		4.83 CY	

RIPRAP SUMMARY

SHEET	STATION	611(1A) CLASS I	611(1B) CLASS II	203(6A) BED COURSE
E-4	423+86 RT	~~28 CY~~		~~18 Tons~~
~~E-11~~	~~533+35 LT~~		~~95 CY~~	~~62 Tons~~
E-11	533+35 RT	~~287 CY~~	~~56 CY~~	~~224 Tons~~
E-13	563+65 LT	~~60 CY~~		~~39 Tons~~
E-13	563+65 RT		~~62 CY~~	~~41 Tons~~
E-15	597+00 LT	~~10 CY~~		~~7 Tons~~
E-15	597+00 RT	~~56 CY~~		~~36 Tons~~
E-29	800+32 LT	~~58 CY~~		~~38 Tons~~
E-29	800+32 RT		~~28 CY~~	~~18 Tons~~
E-33	858+75 RT		~~12 CY~~	~~8 Tons~~
	530+10, Lt.		223.6 C.Y.	
	530+10, Rt.		597.9 C.Y.	
	657+50, Lt	125 C.Y.	125.0 C.Y.	

	611(1A) Class I	611(1B) Class II
	125.9 C.Y.	
	283.8 C.Y.	56.2 C.Y.
	28.9 C.Y.	
		57.0 C.Y.
	24.9 C.Y.	
	39.1 C.Y.	
	58.7 C.Y.	
		28.4 C.Y.
		12.0 C.Y.

Station	Size	Length	End Section	Remarks
392+30, Lt.	24"	52'	2	Approach Culvert
399+75, Lt	24"	32'	2	
442+00, 55'Lt.	24"	40'	2	
476+33, Rt.	24"	25'	2	
494+00, Lt.	24"	40'	2	
505+00, 38'Rt.	24"	44'	2	Approach Culvert
530+10, ℄	48"	128'	1 Lt	Cross Culvert
607+05, Rt.	24"	48'	2	Approach Culvert
670+71, Rt.	24"	40'	2	
734+40, ℄	36"	144'	2	
783+00, ℄	24"	100'	2	Approach Culvert

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

GLENN HIGHWAY
MP 109 TO MP 118

SUMMARY SHEET

STATE OF ALASKA 49TH
Ted B. Trueblood
CE-4476
REGISTERED PROFESSIONAL ENGINEER
12/4/96

SUMMARY SHEET

REVISIONS			YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION					
			1996	ALASKA	IR-0A1-5(4)/56454	C-4	148

606(1) W-BEAM GUARD RAIL SUMMARY

SHEET	STATION TO STATION	℄ REFERENCE	LENGTH	606(27) SLOTTED RAIL TERMINAL		REMARKS
E-4	~~422+50 TO 425+50~~ 422+25 to 426+00	RIGHT	~~300'~~ 375'	2		JACKASS CREEK *
E-4	~~423+60 TO 426+50~~ 420 +12.5 423 +100	LEFT	~~300'~~ 888'	2		JACKASS CREEK 2 CRT's
E5/E6	~~440+75 TO 452+50~~ 442 +100	~~RIGHT~~ Left	~~1175'~~ 600'	2		Approach
E7/E8	477+00 TO 482+75	RIGHT	~~575'~~ 663'	2		BUG LAKE *
E-11	~~528+50 TO 533+75~~ +70 528+50 TO 533+75 533 +75	RIGHT	525'		2	GYPSUM CREEK
E-11	~~532+95 TO 534+95~~ 528 +70	LEFT	~~200'~~ 625'	2		GYPSUM CREEK
E-13	562+00 TO ~~564+00~~ 564+75	RIGHT	~~200'~~ 275'	2		CREEK
E-13	563+25 TO 565+25	LEFT	200'		2	CREEK
E-15	595+40 TO 597+40	RIGHT	200'		2	YELLOW JACKET CREEK
E-15	596+60 TO ~~598+60~~ 599 +10	LEFT	~~200'~~ 250'	2		YELLOW JACKET CREEK
E-19	656+00 TO 658+~~00~~ 75	RIGHT	~~200'~~ 275'	2		GLACIAL FAN CREEK
E-19	657+20 TO 659+20	LEFT	200'		2	GLACIAL FAN CREEK
E20/E21	674+50 TO 680+50	RIGHT	600'		2	
E23/E24	718 +100 ~~712+75 TO 722+75~~ 722 +87.5	RIGHT	~~1,000'~~ 388'	2		
E24/E25	731+00 TO 737+00	LEFT	600'		2	
~~E24/E25~~	~~732+25 TO 737+00~~	~~RIGHT~~	~~475'~~		~~2~~	
E-29	797+50 TO ~~801+75~~ 802 +12.5	RIGHT	~~425'~~ 463'	2		CAMP CREEK *
E-29	798+50 TO 801+~~25~~ 42.5	LEFT	~~275'~~ 313'	2		CAMP CREEK *
E-33	857+50 TO 860+~~50~~ 875	LEFT	~~300'~~ 338'	2		TRAIL CREEK
E-33	855 +62.5 ~~857+50 TO AR 23+56~~ 866 +66.5	RIGHT	~~1275'~~ 1150'	2		TRAIL CREEK/ALASCOM ROAD

BEGINNING AND ENDING STATIONS ARE SUBJECT TO MINOR ADJUSTMENTS FOR EVEN RAIL ELEMENT INCREMENTS ON CURVED ALIGNMENT AND APPROACH RETURNS.

* 1 1/2 : 1 FILL SLOPE

606(5) REMOVAL AND DISPOSAL OF GUARD RAIL ①

SHEET	STATION TO STATION	LENGTH
E-4	422+86 LT. TO 425+79 RT.	400 LF
E-4	424+38 LT. TO 426+10 RT.	225 LF

614(1), 614(2), 614(5), 642(4), 642(6), 642(9) SURVEY MONUMENTS

SEE SHEETS I-22, I-23 FOR SUMMARY OF MONUMENT ITEMS.

610(4) DITCH LINING SUMMARY

SHEET	STATION TO STATION	AREA S.Y.
D-7	8+59 LT TO 8+69 LT	~~35~~ 30
~~E-1~~	~~383+60 LT TO 389+00 LT~~	~~540~~
~~E-4~~	~~422+61 RT Foreslope Flume~~	~~15~~
E-4	432+86 LT TO 433+07 LT	~~30~~ 27
~~E-5~~	~~445+35 LT TO 450+00 LT~~	~~465~~
~~E-6~~	~~450+00 LT TO 455+50 LT~~	~~550~~
~~E-6~~	~~458+00 LT TO 461+00 LT~~	~~300~~
~~E-6~~	~~458+00 RT TO 461+00 RT~~	~~300~~
E-8	481+30 LT TO BUG LAKE	~~100~~ 175
~~E-9~~	~~504+00 LT TO 510+00 LT~~	~~600~~
E-9	505+40 RT TO 508+00 RT	260
E-10	5/14 ~~510~~+00 LT TO 520+00 LT	~~1,000~~ 600
~~E-10~~	~~515+00 RT TO 520+00 RT~~	~~500~~
~~E-16~~	~~600+15 LT TO 603+00 LT~~	~~285~~
E-16	604+00 LT TO 609+50 LT	550
~~E-16~~	~~607+00 RT TO 611+00 RT~~	~~400~~
E-16	6/11 ~~610~~+20 LT TO 615+00 LT	~~480~~ 380
E-17	615+00 LT TO 618+00 LT	300
E-18	~~634+00 LT TO 645+00 LT~~	1,100
E-18	637+60 RT TO ~~645~~+00 RT 644	~~740~~ 640
~~E-19~~	~~645+00 LT TO 650+50 LT~~	~~550~~
~~E-19~~	~~645+00 RT TO 649+00 RT~~	~~400~~
E-22	692+74 LT Backslope Flume	~~15~~ 21
E-22	695+37 LT Backslope Flume	~~25~~ 24
~~E-22~~	~~698+13 LT Backslope Flume~~	~~25~~
~~E-22~~	~~704+00 LT Backslope Flume~~	~~15~~
~~E-23~~	~~706+50 LT Backslope Flume~~	~~15~~
~~E-23~~	~~711+84 LT Backslope Flume~~	~~15~~
E-24	721+75 RT TO 722+90 RT	~~115~~ 54
E-24	722+30 LT TO 723+70 LT	140
E-28	780+04 LT Backslope Flume	20
E-28	792+07 LT Backslope Flume	15
~~E-29~~	~~797+63 RT Foreslope Flume~~	~~15~~
~~E-29~~	~~798+27 LT Backslope Flume~~	~~15~~
~~E-29~~	~~798+63 LT Foreslope Flume~~	~~15~~
~~E-29~~	~~801+30 LT TO 810+00 LT~~	~~870~~
E-30	810+00 LT TO 821+00 LT	~~1,100~~ 600
~~E-32~~	~~844+00 RT TO 848+30 RT~~	~~430~~
~~E-32~~	~~844+25 LT TO 855+00 LT~~	~~1,075~~
~~E-33~~	~~855+00 LT TO 858+50 LT~~	~~350~~
E-33	869+00 RT Foreslope Flume	~~50~~ 44
E-35	23+00 LT TO 26+50 LT	350
~~E-36~~	~~14+50 LT TO 19+60 LT~~	~~510~~

MANHOLE AND INLET SUMMARY

SHEET	STATION	604(1C) MANHOLE, TYPE III	604(5B) INLET, TYPE B
E-4	424+95 RT	1	
~~E-5~~	~~443+25 RT~~		~~1~~
~~E-5~~	~~443+85 RT~~		~~1~~
~~E-5~~	~~447+00 RT~~		~~1~~
~~E-6~~	~~450+22 RT~~		~~1~~
E-8	482+09 RT		1
E-20	675+00 RT		1

609(2) CURB AND GUTTER, TYPE I SUMMARY ⑤

SHEET	STATION TO STATION	LENGTH
~~E-4~~	~~422+61 RT TO 425+39 RT~~	~~275'~~
~~E-5~~	~~445+50 RT TO 450+00 RT~~	~~450'~~
~~E-6~~	~~450+00 RT TO 452+42 RT~~	~~242'~~
E-7	477+12 RT TO 480+00 RT	~~287'~~ 288'
E-8	480+00 RT TO 482+63 RT	263'
E-20	674+63 RT TO 675+00 RT	~~38'~~ 37'
E-21	675+00 RT TO 680+38 RT	~~531'~~ 538'
E-29	797+63 RT TO 801+63 RT	400'
E-29	798+63 LT TO 801+13 LT	250'
E4	422 +62.5 Rt. to 425+87 Rt.	325'

637+60 to 644+00, ⊔ 640

619(3) HYDRO MATTING SUMMARY

SHEET	STATION TO STATION LEFT	AREA (SY)	STATION TO STATION RIGHT
E-1	385+50 TO 388+50	~~2,313~~	
E-3/E-4	417+50 TO 422+50	~~4,839~~	
E-3/E-4		~~6,564~~	418+50 TO 425+50
E-4		~~5,108~~	426+75 TO 434+50
E-4/E-5	427+00 TO 439+50	~~18,336~~	
E-5	444+25 TO 448+50	~~1,145~~	
E-6	452+50 TO 454+50	~~1,038~~	
E-6	457+25 TO 459+85	~~1,896~~	
E-6		~~5,337~~	457+50 TO 465+00
E-7	469+00 TO 475+00	~~2,931~~	
E-7/E-8	476+05 TO 480+50	~~2,687~~	
E-7/E-8		~~7,529~~	477+00 TO 482+50
E-8	483+00 TO 484+50	~~661~~	
E-8/E-9		~~6,018~~	484+00 TO 496+00
E-8/E-9	487+00 TO 496+00	~~4,100~~	
E-10/E-11	516+00 TO 525+50	~~5,790~~	
E-18	643+50 TO 645+00	~~835~~	
E-19/E-20	659+50 TO 673+00	~~23,687~~	
E-21/E-22	688+50 TO 691+00	~~1,080~~	
E-22	696+00 TO 698+00	~~895~~	
E-22		~~865~~	698+00 TO 700+00
E-25	740+00 TO 741+75	~~910~~	
E-28/E-29	794+00 TO 797+50	~~1,443~~	
E-29	798+50 TO 801+25	~~1,414~~	
E-29		~~2,318~~	799+50 TO 801+25
E-33	865+50 TO 866+50	~~386~~	
E-33/E-34	869+50 TO 873+50	~~2,482~~	

Total 29,716 S.Y.

STATE OF ALASKA
49TH
Ted B. Trueblood
CE-4476
REGISTERED PROFESSIONAL ENGINEER
10/18/96

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

GLENN HIGHWAY
MP 109 TO MP 118

SUMMARY SHEET

SUMMARY SHEET

REVISIONS		
No.	DATE	DESCRIPTION

YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
1996	ALASKA	IR-0A1-5(4)/56454	C-5	148

615(1) STANDARD SIGNS SUMMARY

SHEET NO.	STATION	℄ REF	SIGN FACE	TYPE	SIZE INCHES	AREA S.F.	POST No.	POST SIZE	LEGEND
F-1	386+00	31' LT	NE	R2-1	24x30	5	1	2.5" PT	XX MPH SPEED LIMIT *
F-1	386+00	31' RT	SW	R2-1	24x30	5	1	2.5" PT	XX MPH SPEED LIMIT *
F-1	393+00	32' LT	E	W5-1	36x36	9	1	2.5" PT	ROAD NARROWS
F-1	419+00	30~~' LT~~	SW&NE	M10-2	6x18	1.50	1	2.5" PT	MILE 110
F-1	423+75	38' LT	S	W14-1	24x24	4	1	3"x3" TS	DEAD END
F-1	423+75	38' LT	S	**	25x40	7			NO TURN AROUND
F-1	424+75	24' LT	NE	I-3	24x54	9	1	2.5" PT	Jackass Creek
F-1	424+75	24' RT	SW	I-3	24x54	9	1	2.5" PT	Jackass Creek
F-2	439+30	31' RT	W	R4-6	24x30	5	1	2.5" PT	TRUCK LANE 500 FEET
F-2	444+30	22' RT	W	R4-5	24x30	5	1	2.5" PT	TRUCKS USE RIGHT LANE
F-2	444+30	31' LT	W	R4-3	24x30	5	1	2.5" PT	SLOWER TRAFFIC KEEP RIGHT
F-2	459+90	44' RT	W	W9-1R	36x36	9	1	2.5" PT	RIGHT LANE ENDS
F-2	464+90	44' RT	W	W4-2R	36x36	9	1	2.5" PT	RIGHT LANE ENDS
F-2	468+00	46' RT	W	D2-3	36x~~96~~ 24	2	2	2.5" P	Glennallen 77, Valdez 194, Tok 218
F-2	469+00	33' LT	E	D2-2	24x96	16	2	2.5" PT	Palmer 63, Anchorage 104
F-2	472+25	30~~' LT~~	W&E	M10-2	6x18	1.50	1	2.5" PT	MILE 111
F-3	484+50	32' LT	W&E	I-3	24x36	12	1	2.5" PT	Bug Lake
F-3	494+30	31' RT	W	R4-6	24x30	5	1	2.5" PT	TRUCK LANE 500 FEET
F-3	499+30	31' RT	SW	R4-5	24x30	5	1	2.5" PT	TRUCKS USE RIGHT LANE
F-3	499+30	31' LT	SW	R4-3	24x30	5	1	2.5" PT	SLOWER TRAFFIC KEEP RIGHT
F-3	521+35	30' LT	SW&NE	M10-2	6x18	1.50	1	2.5" PT	MILE 112
F-4	533+35	23' LT	NE	I-3	24x48	8	1	2.5" PT	Gypsum Creek
F-4	533+35	35' RT	SW	I-3	24x48	8	1	2.5" PT	Gypsum Creek
F-4	541+50	44' RT	SW	W9-1R	36x36	9	1	2.5" PT	RIGHT LANE ENDS
F-4	546+50	44' RT	SW	W4-2R	36x36	9	1	2.5" PT	RIGHT LANE ENDS
F-4	549+50	44' RT	SW	D9-100	24x30	5	1	2.5" PT	SCENIC VIEW SYMBOL & PLAQUE
F-4	549+50	44' RT	SW	D9-B	~~24x6~~	~~1~~			1000 FT
~~F-4~~	~~551+00~~	~~44' RT~~	~~SW~~	~~D9-8,9,1C~~	~~48x48~~	~~16~~	~~1~~	~~3"x3" TS~~	~~FOOD, LODGING, PHONE 1 MILE~~
F-4	572+00	32' LT	NE	D9-100	24x30	5	1	2.5" PT	SCENIC VIEW SYMBOL & PLAQUE
F-4	572+00	32' LT	NE	D9-B	24x6	1			1000 FT
F-4	572+77	58' LT	NW	R1-1	30x30	6.25	1	2.5" PT	STOP
F-4	572+77	58' LT	SW&NE	D3-1A	12x84	14			Sheep Mountain Airport Rd
F-4	575+00	30~~' LT~~	SW&NE	M10-2	6x18	1.50	1	2.5" PT	MILE 113
~~F-5~~	~~592+00~~	~~32' RT~~	~~SW~~	~~D9-8,9,1L~~	~~48x48~~	~~16~~	~~1~~	~~3"x3" TS~~	~~FOOD LODGING PHONE LT~~
F-5	595+90	22' RT	SW	R4-6	24x30	5	1	2.5" PT	TRUCK LANE 500 FEET
F-5	600+90	31' RT	SW	R4-5	24x30	5	1	2.5" PT	TRUCKS USE RIGHT LANE
F-5	600+90	31' LT	SW	R4-3	24x30	5	1	2.5" PT	SLOWER TRAFFIC KEEP RIGHT
F-5	611+75	48' RT	SE	R1-1	30x30	6.25	1	2.5" PT	STOP
F-5	611+75	48' RT	SW&NE	D3-1A	12x42	7			Sheep Trail
~~F-5~~	~~614+00~~	~~32' LT~~	~~NE~~	~~D9-8,9,1R~~	~~48x48~~	~~16~~	~~1~~	~~3"x3" TS~~	~~FOOD LODGING PHONE RT~~
F-5	624+90	30~~' LT~~	SW&NE	M10-2	6x18	1.50	1	2.5" PT	MILE 114
F-5	630+50	48' RT	SW	D9-100	24x30	5	1	2.5" PT	SCENIC VIEW SYMBOL & PLAQUE
F-5	630+50	48' RT	SW	D9-B	~~24x6~~	~~1~~			1000 FT
F-5	651+50	31' LT	NW	D9-100	24x30	5	1	2.5" PT	SCENIC VIEW SYMBOL & PLAQUE
F-5	651+50	31' LT	NW	D9-B	~~24x6~~	~~1~~			1000 FT
~~F-5~~	~~655+00~~	~~32' LT~~	~~NE~~	~~D9-8,9,1C~~	~~48x48~~	~~16~~	~~1~~	~~3"x3" TS~~	~~FOOD, LODGING, PHONE 1 MILE~~
F-6	657+60	24' LT	NE	I-3	24x66	11	1	2.5" P	Glacial Fan Creek
F-6	657+60	36' RT	SW	I-3	24x66	11	1	2.5" P	Glacial Fan Creek
F-6	663+00	44' RT	SW	W9-1R	36x36	9	1	2.5" PT	RIGHT LANE ENDS
F-6	668+00	44' RT	SW	W4-2R	36x36	9	1	2.5" PT	RIGHT LANE ENDS
F-6	671+50	43' RT	SW	D9-100	24x30	5	1	2.5" PT	SCENIC VIEW SYMBOL & PLAQUE
F-6	671+50	43' RT	SW	D9-B	~~24x6~~	~~1~~			1000 FT
F-6	674+78	200' LT	SE	M11-3	24x18	3	1	2.5" PT	MS 42-3-313-1
F-6	680+35	30~~' LT~~	SW&NE	M10-2	6x18	1.50	1	2.5" PT	MILE 115
F-6	683+80	154' LT	SW	M8-2	18x30	3.75	1	2.5" PT	STATE MAINTENANCE ENDS
F-6	693+50	31' LT	E	D9-100	24x30	5	1	2.5" PT	SCENIC VIEW SYMBOL & PLAQUE
F-6	693+50	31' LT	E	D9-B	~~24x6~~	~~1~~			1000 FT
F-6	697+00	31' RT	W	D9-100	24x30	5	1	2.5" PT	SCENIC VIEW SYMBOL & PLAQUE
F-6	697+00	31' RT	W	D9-B	~~24x6~~	~~1~~			1000 FT
F-7	719+00	31' LT	E	D9-100	24x30	5	1	2.5" PT	SCENIC VIEW SYMBOL & PLAQUE
F-7	719+00	31' LT	E	D9-B	~~24x6~~	~~1~~			1000 FT
F-7	729+00	31' RT	SW	R4-6	24x30	5	1	2.5" PT	TRUCK LANE 500 FEET
F-7	734+00	31' RT	SW	R4-5	24x30	5	1	2.5" PT	TRUCKS USE RIGHT LANE
F-7	734+00	22' LT	SW	R4-3	24x30	5	1	2.5" PT	SLOWER TRAFFIC KEEP RIGHT
F-7	735+50	22' ~~LT~~	SW&NE	M10-2	6x18	1.50	1	2.5" PT	MILE 116
	549+50	*44' Rt.*	*SW*		*18x18*	*2.25*			*Binocular Logo*
	572+00	*32' Lt.*	*NE*		*18x18*	*2.25*			*Binocular Logo*
				615(14) Custom Signs					
	863+00	*34' Rt.*	*SW*		*24+30*	*5*			*Gold Rush Centennial*
	877+00	*38' Lt.*	*NE*		*24x30*	*5*			*Gold Rush Centennial*

615(1) STANDARD SIGNS SUMMARY

SHEET NO.	STATION	℄ REF	SIGN FACE	TYPE	SIZE INCHES	S.F.	POST No.	POST SIZE	LEGEND
F-8	767+25	32' LT	NE	W7-1	30x30	6.25	1	2.5" PT	HILL
F-8	771+00	44' RT	SW	W9-1R	36x36	9	1	2.5" PT	RIGHT LANE ENDS
F-8	776+00	44' RT	SW	W4-2R	36x36	9	1	2.5" PT	RIGHT LANE ENDS
F-8	787+50	35' RT	SW	I-4	24x30	5	1	2.5" PT	TRAIL SYMBOL & PLAQUE
F-8	787+50	35' RT	SW	D9-E	~~24x6~~	~~1~~			1500 FT
F-8	790+65	30~~' LT~~	SW&NE	M10-2	6x18	1.50	1	2.5" PT	MILE 117
F-9	799+50	30' RT	SW	D7-2AR	30x108	22.50	2	3.5" P	CAMP CREEK TRAIL TRAILHEAD
F-9	799+50	30' RT	SW	RS-68	18x22	2.75			HIKER SYMBOL & PLAQUE
F-9	799+50	30' RT	SW	RS-46	18x22	2.75			SKIER SYMBOL & PLAQUE
F-9	799+50	30' RT	SW	RS-52	18x22	2.75			SNOWMOBILE SYMBOL & PLAQUE
F-9	800+30	23' LT	NE	I-3	24X42	7	1	2.5" PT	Camp Creek
F-9	800+30	30' RT	SW	I-3	24X42	7	1	2.5" P	Camp Creek
F-9	801+30	32' RT	SW	R4-6	24x30	5	1	2.5" PT	TRUCK LANE 500 FEET
F-9	806+30	31' RT	SW	R4-5	24x30	5	1	2.5" PT	TRUCKS USE RIGHT LANE
F-9	806+30	31' LT	SW	R4-3	24x30	5	1	2.5" PT	SLOWER TRAFFIC KEEP RIGHT
F-9	807+00	35' LT	NE	D7-2AL	30x108	22.50	2	3" P	CAMP CREEK TRAIL TRAILHEAD
F-9	807+00	35' LT	NE	RS-68	18x22	2.75			HIKER SYMBOL & PLAQUE
F-9	807+00	35' LT	NE	RS-46	18x22	2.75			SKIER SYMBOL & PLAQUE
F-9	807+00	35' LT	NE	RS-52	18x22	2.75			SNOWMOBILE SYMBOL & PLAQUE
F-9	819+50	31' LT	NE	I-4	24x30	5	1	2.5" PT	TRAIL SYMBOL & PLAQUE
F-9	819+50	31' LT	NE	D9-E	24x6	1			1500 FT
F-9	825+30	44' RT	SW	W9-1R	36x36	9	1	2.5" PT	RIGHT LANE ENDS
F-9	830+30	42' RT	SW	W4-2R	36x36	9	1	2.5" PT	RIGHT LANE ENDS
F-10	844+90	44' LT	NE	W4-2R	36x36	9	1	2.5" PT	RIGHT LANE ENDS
F-10	845+80	42~~' LT~~	SW&NE	M10-2	6x18	1.50	1	2.5" PT	MILE 118
F-10	849+90	44' LT	NE	W9-1R	36x36	9	1	2.5" PT	RIGHT LANE ENDS
F-10	855+00	31' RT	SW	I-4	24x30	5	1	2.5" PT	TRAIL SYMBOL & PLAQUE
F-10	855+00	31' RT	SW	D9-E	~~24x6~~	~~1~~			1500 FT
F-10	855+50	31' RT	NE	R4-3	24x30	5	1	2.5" PT	SLOWER TRAFFIC KEEP RIGHT
F-10	855+50	31' LT	NE	R4-5	24x30	5	1	2.5" PT	TRUCKS USE RIGHT LANE
F-10	858+75	23' LT	NE	I-3	24x42	7	1	2.5" PT	Trail Creek
F-10	858+75	23' RT	SW	I-3	24x42	7	1	2.5" PT	Trail Creek
F-10	860+25	23' LT	NE	R4-6	24x30	5	1	2.5" PT	TRUCK LANE 500 FEET
F-10	863+00	34' RT	SW	D7-2AL	30x150	31.25	2	3.5" P	CHICKALOON-KNIK-NELCHINA & TRAIL SYSTEM
F-10	863+00	34' RT	SW	RS-68	18x22	2.75			HIKER SYMBOL & PLAQUE
F-10	863+00	34' RT	SW	RS-46	18x22	2.75			SKIER SYMBOL & PLAQUE
F-10	863+00	34' RT	SW	RS-52	18x22	2.75			SNOWMOBILE SYMBOL & PLAQUE
F-10	867+25	58' RT	SE	R1-1	30x30	6.25	1	2.5" PT	STOP
F-10	867+25	58' RT	SW&NE	D3-1A	12x~~60~~ 7	~~10~~			Alascom Access Rd
F-11	862+89	433' LT	SE	M8-2	18x30	3.75	1	2.5" PT	STATE MAINTENANCE ENDS
F-11	863+15	420' LT	SE	OM-1	18x18	2.25	1	2.5" PT	REFLECTOR PLAQUE (Yellow)
F-11	869+65	58' LT	NW	R1-1	30x30	6.25	1	2.5" PT	STOP
F-11	869+65	58' LT	SW&NE	D3-1A	12x~~66~~ 8	~~11~~			Trailhead Access Rd
F-11	870+16	68' LT	SE	W14-1	30x30	6.25	1	2.5" PT	DEAD END
F-11	877+00	38' LT	NE	D7-2AR	30x150	31.25	2	3" P	CHICKALOON-KNIK-NELCHINA & TRAIL SYSTEM
F-11	877+00	38' LT	NE	RS-68	18x22	2.75			HIKER SYMBOL & PLAQUE
F-11	877+00	38' LT	NE	RS-46	18x22	2.75			SKIER SYMBOL & PLAQUE
F-11	877+00	38' LT	NE	RS-52	18x22	2.75			SNOWMOBILE SYMBOL & PLAQUE
F-11	881+00	31' RT	SW	R2-1	24x30	5	1	2.5" PT	XX MPH SPEED LIMIT *
F-11	881+00	31' LT	NE	R2-1	24x30	5	1	2.5" PT	XX MPH SPEED LIMIT *
F-11	885+00	33' LT	NE	I-4	24x30	5	1	2.5" PT	TRAIL SYMBOL & PLAQUE
F-11	885+00	33' LT	NE	D9-E	~~24x6~~	~~1~~			1500 FT

* SPEED LIMIT WILL BE DETERMINED BY THE ENGINEER.

** 5" SERIES D LETTERING. BLACK LETTERS, YELLOW BACKGROUND.

POST TYPES ARE ABBREVIATED: PT=PERFORATED STEEL TUBE, TS=STEEL TUBE SQUARE, P=STEEL PIPE (Std. Wt.)

ALL POSTS, NOT PROTECTED BEHIND GUARD RAIL, SHALL HAVE SLEEVE TYPE, (SEE STANDARD DRAWING S-30.01) OR SLIP BASE, (SEE STANDARD DRAWING S-34.00) CONCRETE FOUNDATIONS.

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

GLENN HIGHWAY
MP 109 TO MP 118

SUMMARY SHEET

STATE OF ALASKA 49TH
Ted B. Trueblood
CE-4476
REGISTERED PROFESSIONAL ENGINEER
10/18/96

SUMMARY SHEET

REVISIONS			YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION					
			1996	ALASKA	IR-0A1-5(4)/56454	C-6	148

See Signing and Striping Sheets F-1 thru F-11

670(11) DURABLE PAVEMENT MARKINGS SUMMARY

SHEET	4" YELLOW	4" WHITE	24" WHITE	4" BROKEN YELLOW	4" BROKEN WHITE
F-1	4,039	9,677	0	4,839	0
F-2	5,370	9,600	0	3,200	1,935
F-3	4,170	9,600	0	4,800	2,270
F-4	2,550	12,800	29	6,400	2,025
F-5	5,510	12,800	15	6,400	4,910
F-6	4,900	8,800	0	3,500	1,375
F-7	4,400	9,400	0	3,400	900
F-8	3,520	9,600	0	4,800	2,995
F-9	2,970	8,200	0	4,100	2,275
F-10	1,950	6,400	26	3,200	935
F-11	1,544	2,930	31	1,465	0

630(1) GEOTEXTILE, SEPARATION SUMMARY

SHEET	STATION TO STATION	AREA
~~E-23~~	~~719+00 TO 720+00~~	~~1,380 SY~~
~~E-24~~	~~720+00 TO 722+00~~	~~2,920 SY~~
~~E-29~~	~~805+00 TO 808+00~~	~~3,450 SY~~
Mainline		*80,426 S.Y.*
Subcuts		*10,581 S.Y.*
Misc./Pipes		*4,574 S.Y.*

CULVERT THAW WIRE SUMMARY

SHEET	CULVERT LOCATION	LOAD CENTER, TYPE 2 661(2A) SINGLE	LOAD CENTER, TYPE 2 661(2B) DOUBLE	WATTS @16 W/L.F.	616(3) CULVERT THAW WIRE INSTALLATION
G-4	563+~~7569~~	~~562+45 — 120' Rt~~		13041,632	~~102 LF 84~~
G-4	597+00	*563+21 - 117' Rt.*	~~598+00 — 65' Lt~~ *597+90 - 82' Lt.*	1586 ~~1,504~~ 1408 ~~1,472~~	~~94 LF 96~~ ~~92 LF 88~~
G-5	692+74	~~693+85 — 120' Rt~~		1408 ~~1,312~~	~~82 LF 88~~
G-5	702+14	*693+02 - 57' Rt.*	~~704+30 — 60' Lt~~ *703+50 - 63' Lt.*	2368 ~~2,144~~ 1520 ~~1,280~~	~~134 LF 146~~ ~~80 LF 95~~
G-5	704+02				
G-6	706+~~50.65~~	706+05 — ~~65' Lt~~		1648 ~~1,120~~	~~70 LF 103~~
G-6	712+~~05.64~~	*712+57 - 72' Lt.* (72' Lt.)	~~712+45 — 70' Lt~~	2176 ~~1,248~~	~~78 LF 136~~
G-6	~~765~~ ~~714+50.43~~ (80)			~~2,496~~ (52')	~~156 LF~~
G-7	767+~~15.20~~	766+~~83~~ — ~~65'~~ Lt		2848 ~~3,168~~	~~198 LF 178~~
G-7	780+10	780+~~40~~ ~~07.50~~ ~~80'~~ Lt		2229 ~~2,336~~	~~146 LF 139~~
G-7	792+10	791+76 — 73' Lt		1520 ~~1,184~~	~~74 LF 95~~
G-8	810+00	810+10 — 60' Lt		1904 ~~1,312~~	~~82 LF 119~~
G-8	829+~~91.82~~	829+~~25~~ ~~95~~ — ~~405'~~ Rt		2288 ~~2,240~~	~~140 LF 143~~
G-9	852+~~13.14~~	852+~~70~~ ~~33.49~~ ~~83'~~ Rt		1840 ~~1,280~~	~~80 LF 115~~
G-9	858+75	858+~~70~~ — ~~90'~~ Rt (95) (108')		2992 ~~2,912~~	~~182 LF 187~~

LOCATIONS GIVEN FOR THE LOAD CENTERS ARE APPROXIMATE. FINAL LOCATIONS WILL DEPEND ON UTILITY POLE LOCATIONS, CULVERT LOCATIONS AND VISIBILITY FROM THE ROADWAY AND SHALL BE COORDINATED WITH AND APPROVED BY THE SERVING UTILITY AND THE ENGINEER.

DRIVEWAYS AND APPROACHES SUMMARY

SHEET	STATION	℄ REF.	WIDTH	REMARKS	ITEM NO./TYPE	PERMIT NO.
E-1	386+25	LT	14'		639(1) RESIDENCE	93-198
E-1	388+22	RT	14'		639(1) RESIDENCE	*95-240*
E-2	392+25	LT	14'		639(1) RESIDENCE	93-199
E-2	395+29	RT	14'		639(1) RESIDENCE	93-200
E-2	~~403+68~~	LT	14'	*405+50*	639(1) RESIDENCE	93-202
E-3	~~410+14.69~~	LT	14'	*410+11*	639(1) RESIDENCE	*93-205*
E-3	413+00	RT	14'		639(1) RESIDENCE	*N/A*
E-3	414+24.09	LT	14'		639(1) RESIDENCE	*93-206*
E-4	423+50	LT	20'	JACKASS CREEK ACCESS	639(3) PUBLIC	N/A
E-4	426+15	RT	14'		639(1) RESIDENCE	*93-210*
E-5	437+50	RT	~~18'14'~~		639(1) RESIDENCE	*93-210A*
E-5	440+35	RT	~~20'14'~~		639(1) RESIDENCE	93-209
E-5	442+00	LT	14'		639(1) RESIDENCE	*93-210C*
E-6	454+00	RT	14'		639(1) RESIDENCE	*93-210B*
E-7	472+00	RT	14'		639(1) RESIDENCE	*97-210D*
E-7	474+00	RT	14'		639(1) RESIDENCE	93-211
E-7	475+44	LT	14'		639(1) RESIDENCE	93-212
E-7	476+33.13	RT	14'		639(1) RESIDENCE	93-213
E-8	485+00	RT	14'		639(1) RESIDENCE	93-207
E-8	491+00	RT	14'		639(1) RESIDENCE	93-214
E-8	~~493+00~~	LT	14'	*494+00*	639(1) RESIDENCE	93-215
E-9	496+75	RT	14'		639(1) RESIDENCE	93-230
E-9	500+00	RT	14'		639(1) RESIDENCE	93-216
E-9	505+13	RT	14'		639(1) RESIDENCE	93-217
E-9	509+49	RT	14'		639(1) RESIDENCE	93-218
E-10	524+00	RT	14'		639(1) RESIDENCE	93-220
E-11	535+42.70	LT	14'		639(1) RESIDENCE	93-221
E-12	545+50	LT	14'		639(1) RESIDENCE	N/A
E-13	~~560+00~~	~~Rt. LT~~	24'	TURNOUT *559+50*	639(3) PUBLIC	N/A
E-13	~~562+00~~	~~Rt. LT~~	24'	TURNOUT *561+50*	639(3) PUBLIC	N/A
E-14	573+04.29	LT	30'	SHEEP MOUNTAIN AIRPORT	639(3) PUBLIC	N/A
E-16	599+86.54	LT	30'	SHEEP MOUNTAIN LODGE	639(2) SERVICE	93-222
E-16	603+75	LT	30'	SHEEP MOUNTAIN LODGE	639(2) SERVICE	93-223
E-16	606+75	RT	14'		639(1) RESIDENCE	93-224
E-16	609+75	LT	14'		639(1) RESIDENCE	93-219
E-16	611+50	RT	24'	SHEEP TRAIL	639(3) PUBLIC	N/A
E-16	614+25	RT	14'		639(1) RESIDENCE	93-225
E-17	624+50	RT	14'		639(1) RESIDENCE	N/A
E-37	641+00	LT	14'	PICTURE PULL OFF (WIDENING)	639(3) PUBLIC	*N/A*
E-19	650+75	LT	14'		639(1) RESIDENCE	93-226
E-20	662+50	RT	14'		639(1) RESIDENCE	93-227
E-20	671+00	RT	24'		639(2) SERVICE	93-228
E-20	672+45	RT	24'		639(2) SERVICE	*96-228A*
E-20	674+50	LT	30'	STATE MATERIALS SITE	639(3) PUBLIC	N/A
E-21	681+50	LT	24'	TURNOUT	639(3) PUBLIC	N/A
E-21	683+50	LT	24'	TURNOUT *709+25*	639(3) PUBLIC	N/A
E-23	~~707+25~~	RT	24'	TURNOUT *711+25*	639(3) PUBLIC	N/A
E-23	~~709+25~~	RT	24'	TURNOUT	639(3) PUBLIC	N/A
E-29	802+50	RT	24'	CAMP CREEK TRAIL TRAILHEAD	639(3) PUBLIC	N/A
E-29	804+50	RT	24'	CAMP CREEK TRAIL TRAILHEAD	639(3) PUBLIC	N/A
E-33	867+00	RT	24'	ALASCOM ACCESS ROAD	639(3) PUBLIC	93-229
E-33	869+91.04	LT	24'	TRAILHEAD ACCESS ROAD	639(3) PUBLIC	N/A
	399+50	*Lt.*	*14'*		*639(1) Residence*	
	400+50	*Rt.*	*24'*		*639(2) Service*	*3513 0070-1845*
	405+62	*Rt.*	*24'*		*639(2) Service*	*3513 0070-1846*
	682+00	*Rt.*	*14'*		*639(1) Residence*	*3513 0070-1851*

631(2) GEOTEXTILE, EROSION CONTROL, CLASS A SUMMARY

SHEET	STATION	AREA	REMARKS
~~D-7~~	~~8+59 8+69~~	~~35 SY~~	~~INLET CHANNEL DITCH LINING~~
E-4	~~422+61~~ RT	*47* ~~15~~ SY	FLUME DITCH LINING
E-4	423+86 RT	*56* ~~55~~ SY	RIPRAP
E-11	~~533+35~~ LT	*80* ~~140~~ SY	RIPRAP
E-11	533+35 RT	650 SY	RIPRAP
E-13	~~563+65~~ LT	*507* ~~120~~ SY	~~RIPRAP~~ *Gypsum Outlet Riprap*
E-13	~~563+65~~ RT	*84* ~~90~~ SY	RIPRAP
E-15	597+00 LT	*69* ~~40~~ SY	RIPRAP
E-15	597+00 RT	*88* ~~85~~ SY	RIPRAP
E-22	692+74 LT	*27* ~~15~~ SY	FLUME DITCH LINING
E-22	695+37 LT	*40* ~~25~~ SY	FLUME DITCH LINING
E-22	698+13 LT	*367* ~~25~~ SY	FLUME DITCH LINING
E-22	704+00 LT	*367* ~~15~~ SY	FLUME DITCH LINING
~~E-23~~	~~706+50 LT~~	~~15 SY~~	~~FLUME DITCH LINING~~
~~E-23~~	~~711+84 LT~~	~~15 SY~~	~~FLUME DITCH LINING~~
E-28	780+04 LT	*16* ~~20~~ SY	FLUME DITCH LINING
E-28	792+07 LT	*24* ~~15~~ SY	FLUME DITCH LINING
~~E-29~~	~~797+63 RT~~	~~15 SY~~	~~FLUME DITCH LINING~~
~~E-29~~	~~798+27 LT~~	~~15 SY~~	~~FLUME DITCH LINING~~
~~E-29~~	~~798+63 LT~~	~~15 SY~~	~~FLUME DITCH LINING~~
E-29	800+32 LT	*110* ~~115~~ SY	RIPRAP
E-29	800+32 RT	*38* ~~40~~ SY	RIPRAP
~~E-33~~	~~858+75 RT~~	~~20 SY~~	~~RIPRAP~~
E-33	869+00 RT	*44* ~~60 SY~~	FLUME DITCH LINING

425+01

431+50

810 to 813, Lt.
818 to 821, Lt.

636(1) GABIONS SUMMARY

SHEET	STATION TO STATION	VOLUME
E-29/D-21	800+32 RT – CAMP CREEK OUTLET CHANNEL	378 CF

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

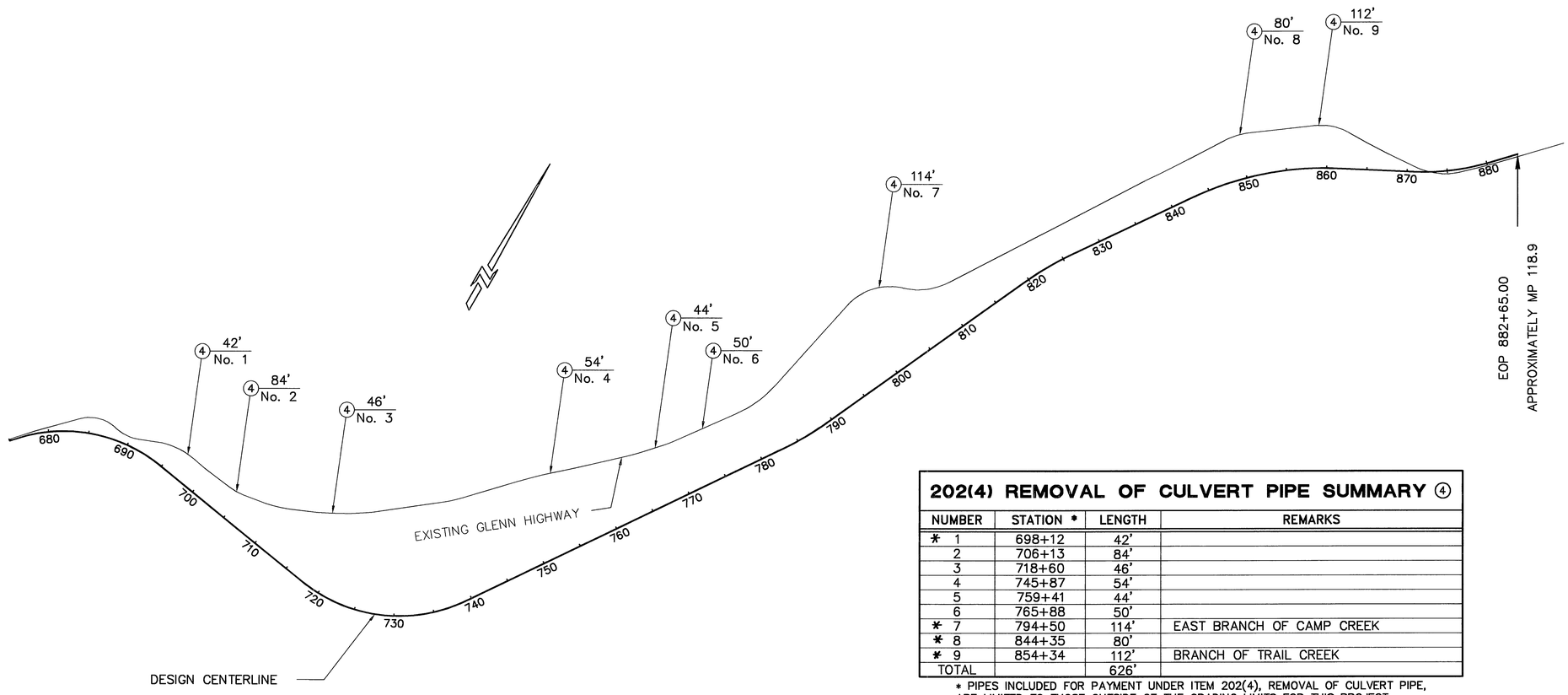
GLENN HIGHWAY
MP 109 TO MP 118

SUMMARY SHEET

STATE OF ALASKA — 49TH — Ted B. Trueblood — CE-4476 — 10/18/96 — REGISTERED PROFESSIONAL ENGINEER

SUMMARY SHEET

REVISIONS			YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION					
			1996	ALASKA	IR-0A1-5(4)/56454	C-7	148

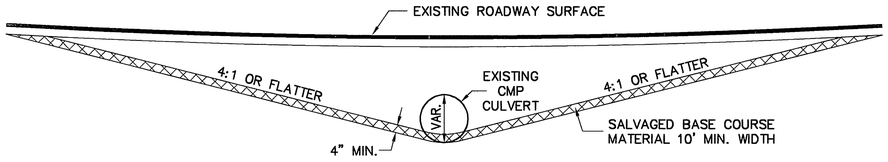


202(4) REMOVAL OF CULVERT PIPE SUMMARY ④

NUMBER	STATION *	LENGTH	REMARKS
* 1	698+12	42'	
2	706+13	84'	
3	718+60	46'	
4	745+87	54'	
5	759+41	44'	
6	765+88	50'	
* 7	794+50	114'	EAST BRANCH OF CAMP CREEK
* 8	844+35	80'	
* 9	854+34	112'	BRANCH OF TRAIL CREEK
TOTAL		626'	

* PIPES INCLUDED FOR PAYMENT UNDER ITEM 202(4), REMOVAL OF CULVERT PIPE, ARE LIMITED TO THOSE OUTSIDE OF THE GRADING LIMITS FOR THIS PROJECT. THESE ARE NOT IDENTIFIED FOR REMOVAL ON THE PLAN AND PROFILE SHEETS. STATION LOCATIONS ARE REFERENCED TO THE 1953 AS-BUILT PLANS FOR THE GLENN HIGHWAY.

* Cut 5 feet deep swale above existing pipe at 4:1.



NOTES

1. DISPOSE OF EXCAVATED ASPHALT PAVEMENT IN ACCORDANCE WITH SUBSECTION 202-2.04 OF THE SPECIAL PROVISIONS.
2. SLOPE FINISH SHALL BE THAT ORDINARILY OBTAINABLE WITH A DOZER OR MOTOR GRADER.
3. EXCESS EXCAVATED MATERIAL FROM CULVERT REMOVAL MAY BE DISPOSED OF BY FLATTENING ADJACENT FILL SLOPES OUTSIDE OF WETLAND AREAS AT LOCATIONS APPROVED BY THE ENGINEER.

CULVERT REMOVAL IN EXISTING ROADWAY

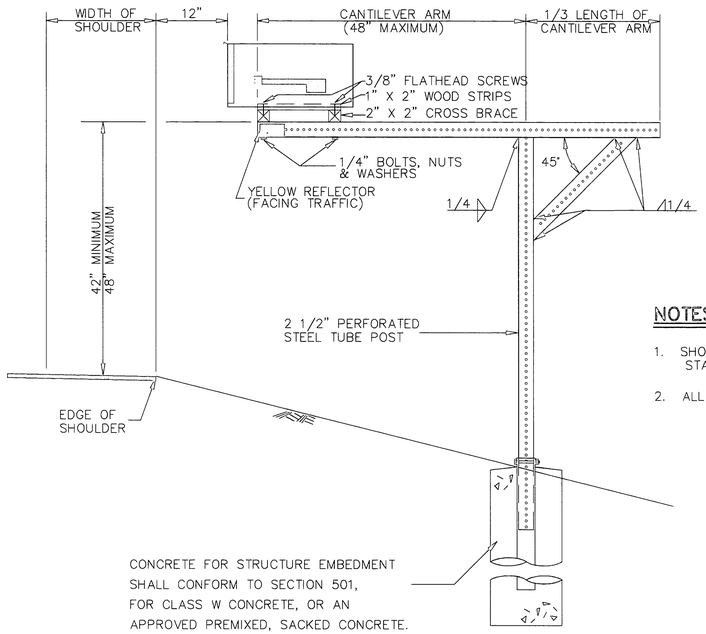
STATE OF ALASKA
49TH
Ted B. Trueblood
CE-4476
10/1/96
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

GLENN HIGHWAY
MP 109 TO MP 118

SUMMARY SHEET

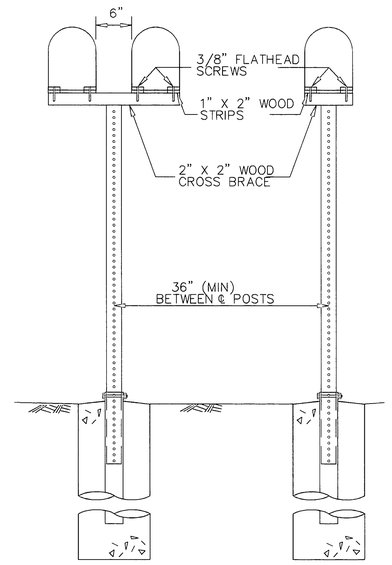
REVISIONS			YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION					
			1996	ALASKA	IR-0A1-5(4)/56454	D-1	148



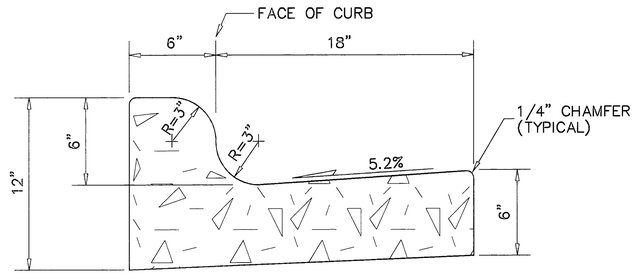
NOTES:

1. SHOULDER SHALL BE WIDENED TO EIGHT FEET. SEE STANDARD DRAWING M-20.
2. ALL WELDED SURFACES SHALL BE GALVANIZED.

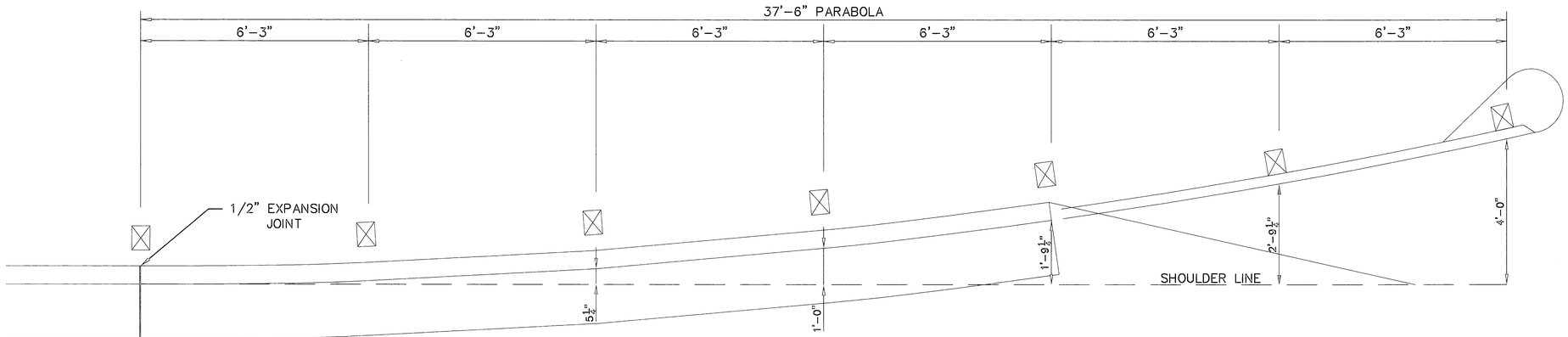
MAIL BOX INSTALLATION



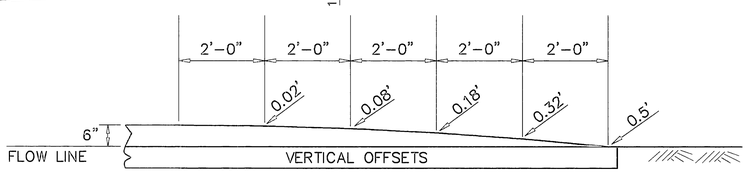
DOUBLE BOX SUPPORT SINGLE BOX SUPPORT



MOUNTABLE CURB & GUTTER



NOTE: MATCH THE FACE OF THE CURB TRANSITION TO THE FACE OF THE SLOTTED RAIL TERMINAL.



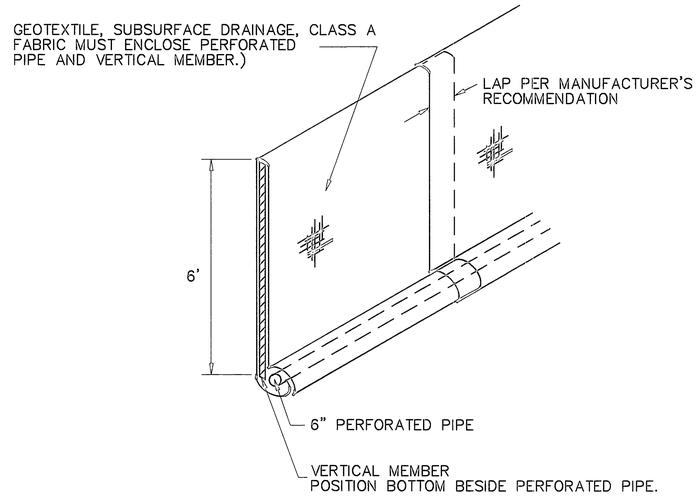
CURB AND GUTTER
TERMINATION TRANSITIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

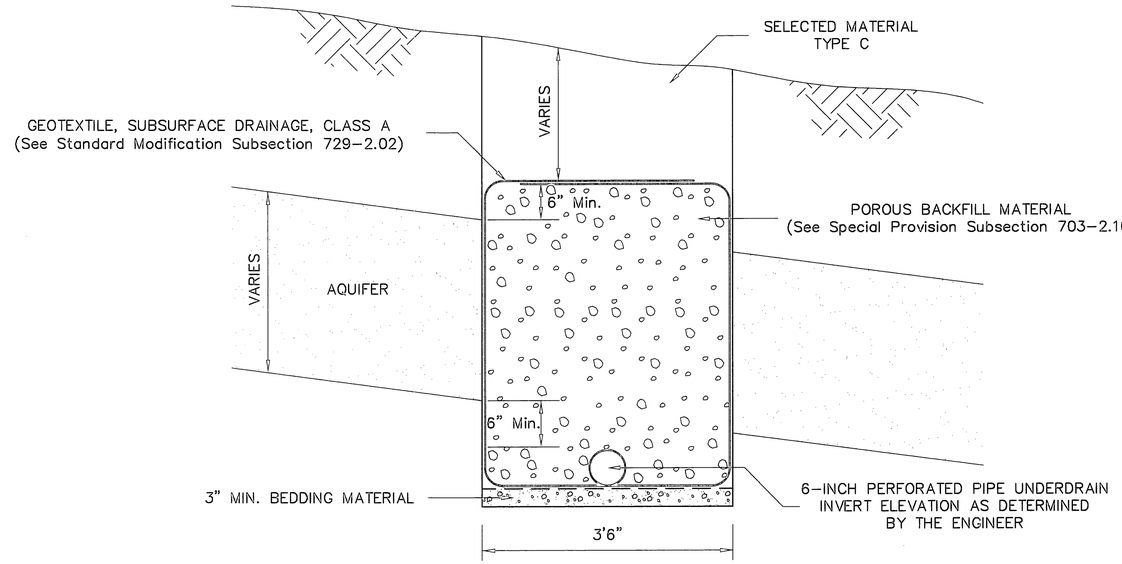
GLENN HIGHWAY
MP 109 TO MP 118

CURB DETAILS AND
MAILBOX DETAILS

REVISIONS			YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION					
			1996	ALASKA	IR-0A1-5(4)/56454	D-2	148

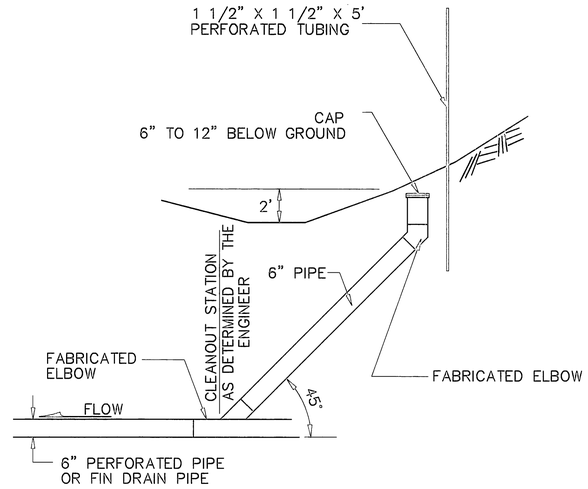


FIN DRAIN DETAIL



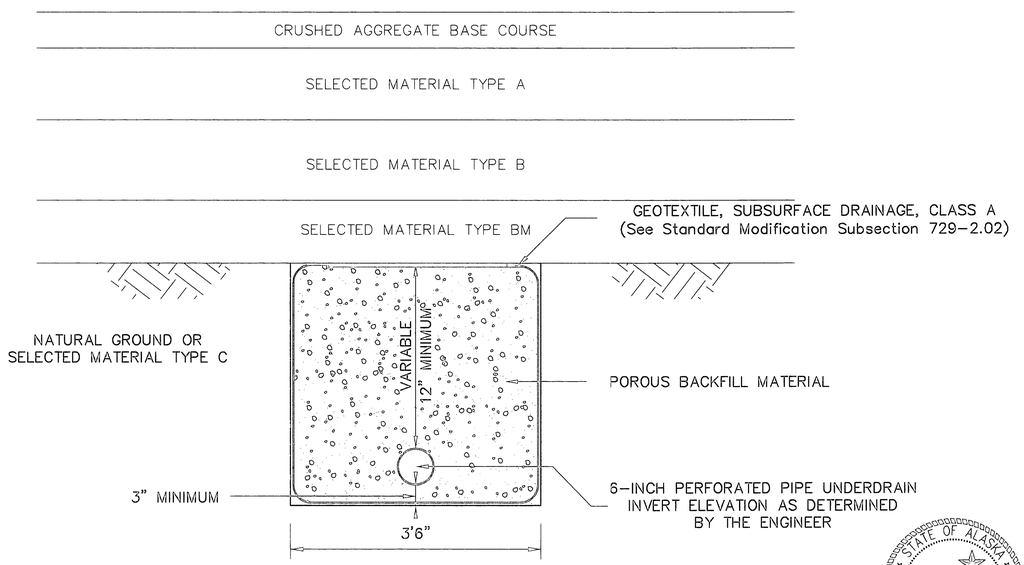
FRENCH DRAIN INFILTRATION GALLERY DETAIL

NOTE: INSTALLATION METHODS SHALL BE AS DIRECTED
OR APPROVED BY THE ENGINEER



CLEANOUT DETAIL

1. ALL CLEANOUT END SECTIONS SHALL BE CAPPED.
2. INSTALL A CLEANOUT AT THE BEGINNING OF PIPE UNDERDRAINS AND FIN DRAINS.



UNDERDRAIN DETAIL

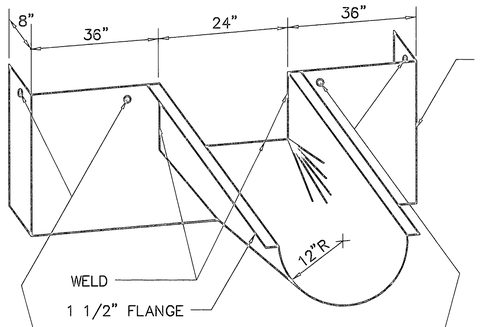
STATE OF ALASKA
49th
G.C. SCHWADERER
CE-1006
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

GLENN HIGHWAY
MP 109 TO MP 118

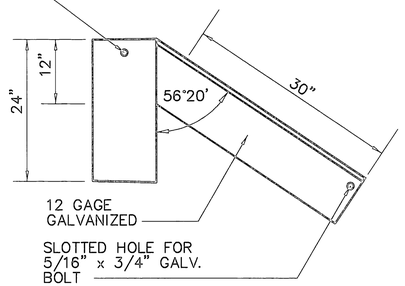
SUB-SURFACE
DRAINAGE DETAILS

REVISIONS			YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION					
			1996	ALASKA	IR-0A1-5(4)/56454	D-3	148

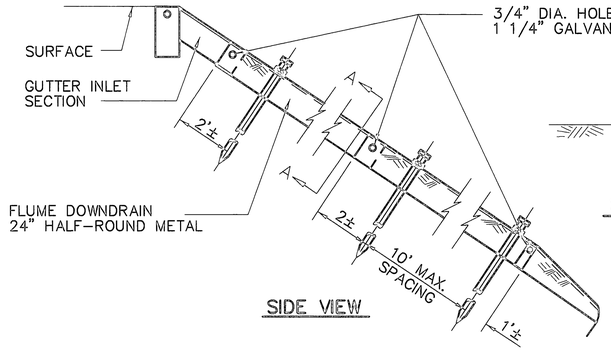


NOTES:

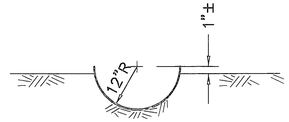
1. JOINTS MAY BE WELDED.



SIDE VIEW 1.5:1

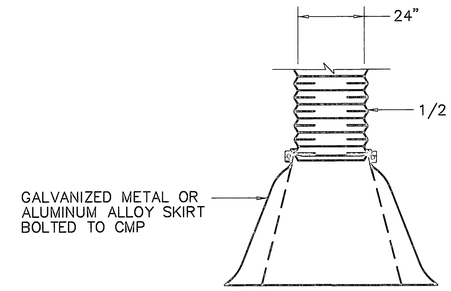


SIDE VIEW

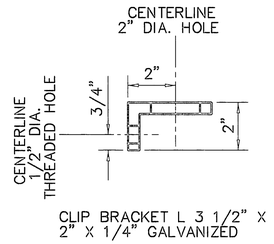


SECTION A-A

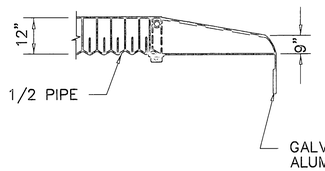
DOWNDRAIN



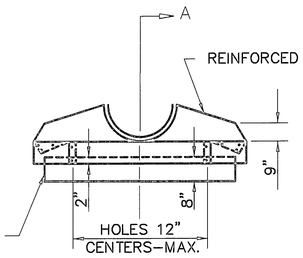
PLAN



CLIP BRACKET L 3 1/2" X 2" X 1/4" GALVANIZED

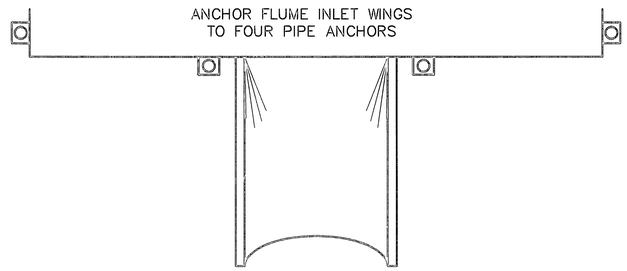


SECTION A-A

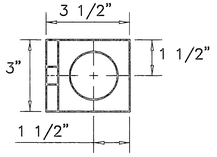


ELEVATION

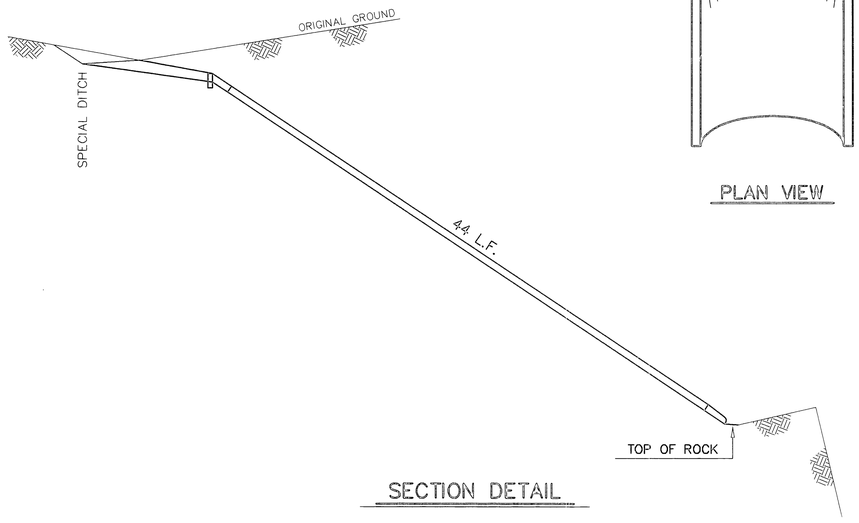
HALF PIPE MODIFIED END SECTION



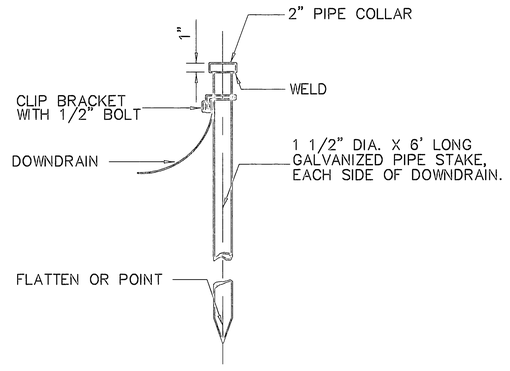
PLAN VIEW



CLIP BRACKET DETAIL



SECTION DETAIL



ANCHOR DETAIL

NOTES:

1. SEE STANDARD DRAWING D-06 FOR ADDITIONAL GENERAL NOTES AND DIMENSIONS.
2. THE MODIFIED END SECTION SHALL BE SUBSIDARY TO FLUME DOWNDRAIN.

STATE OF ALASKA
49th
G.C. SCHWADERER
CE-1006
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

GLENN HIGHWAY
MP 109 TO MP 118
STATION 433+00
FLUME DOWNDRAIN DETAILS

REVISIONS			YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION					
			1996	ALASKA	IR-0A1-5(4)/56454	D-4	148

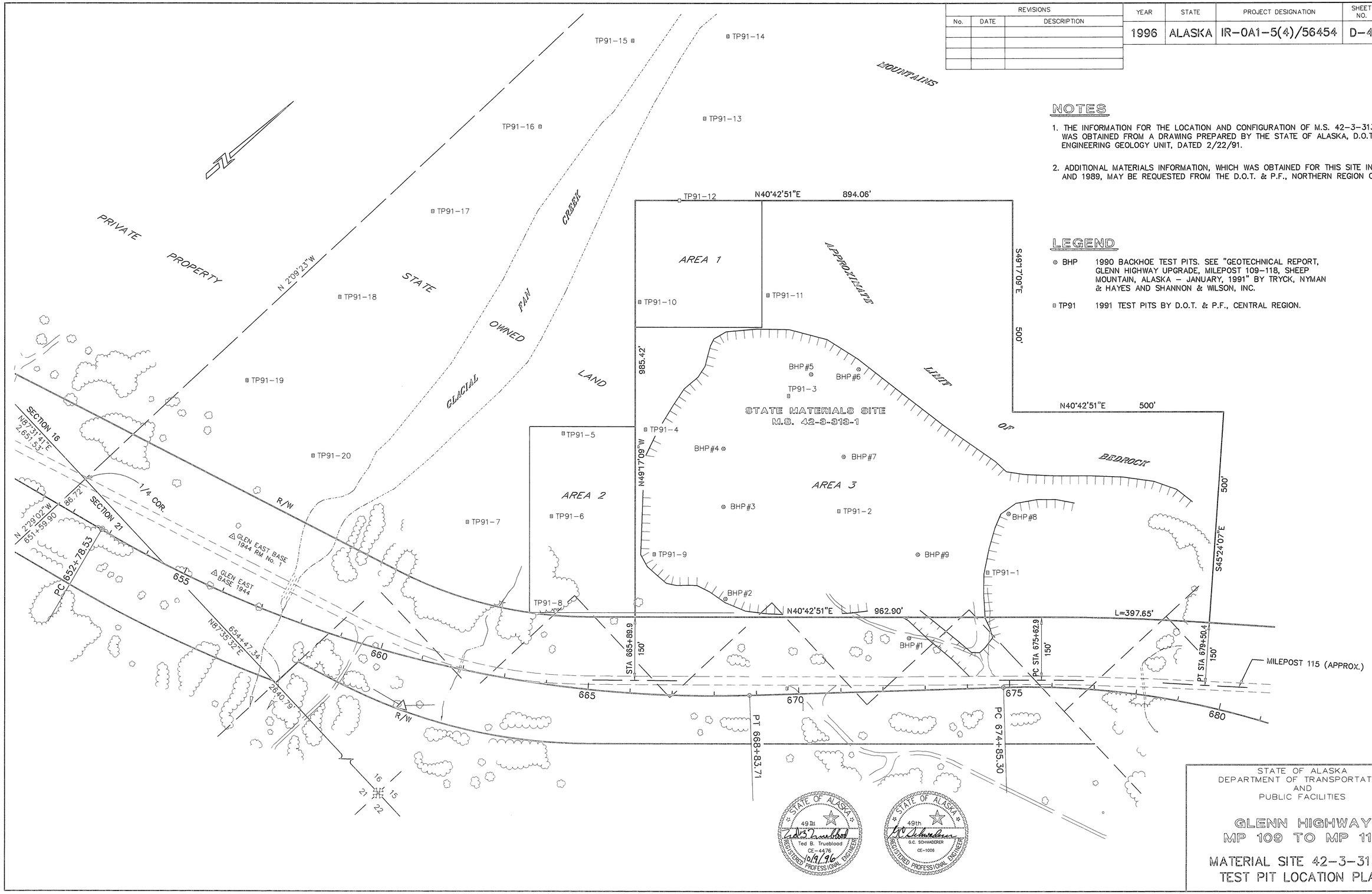
NOTES

1. THE INFORMATION FOR THE LOCATION AND CONFIGURATION OF M.S. 42-3-313-1 WAS OBTAINED FROM A DRAWING PREPARED BY THE STATE OF ALASKA, D.O.T.&P.F., ENGINEERING GEOLOGY UNIT, DATED 2/22/91.

2. ADDITIONAL MATERIALS INFORMATION, WHICH WAS OBTAINED FOR THIS SITE IN 1986 AND 1989, MAY BE REQUESTED FROM THE D.O.T. & P.F., NORTHERN REGION OFFICE.

LEGEND

- ⊗ BHP — 1990 BACKHOE TEST PITS. SEE "GEOTECHNICAL REPORT, GLENN HIGHWAY UPGRADE, MILEPOST 109-118, SHEEP MOUNTAIN, ALASKA – JANUARY, 1991" BY TRYCK, NYMAN & HAYES AND SHANNON & WILSON, INC.
- ▯ TP91 — 1991 TEST PITS BY D.O.T. & P.F., CENTRAL REGION.



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

GLENN HIGHWAY
MP 109 TO MP 118

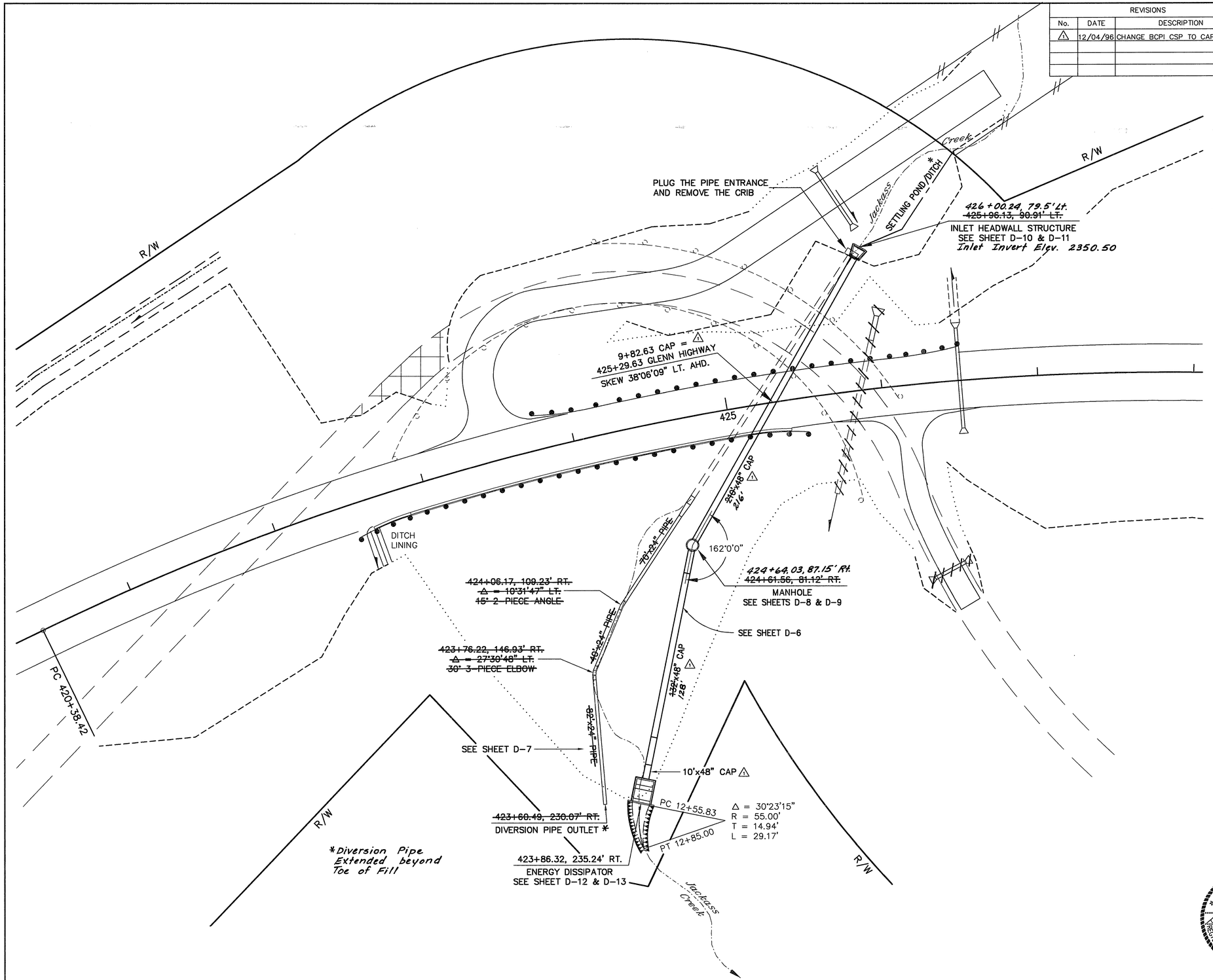
MATERIAL SITE 42-3-313-1
TEST PIT LOCATION PLAN

STATE OF ALASKA — 49TH — Ted B. Trueblood — CE-4476 — 10/9/96 — REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA — 49th — S.C. SCHNABERER — CE-1006 — REGISTERED PROFESSIONAL ENGINEER

REVISIONS			YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION					
1	12/04/96	CHANGE BCPI CSP TO CAP	1996	ALASKA	IR-0A1-5(4)/56454	D-5	148
			ATTACHMENT NO.		# 6		
			ADDENDUM NO.		# 2		

* MAINTAIN SETTLING POND/DITCH CONSTRUCTION WITHIN R.O.W.



JACKASS CREEK
HYDROLOGIC AND HYDRAULIC SUMMARY

Drainage Area – 1.16 Square Miles
Design Discharge (Q_{50}) – 118 Cubic Feet Per Second
Design Stream Bed Elevation – 2351.65 Feet
Design High Water Elevation – 2357.06 Feet
Design Exceedance Probability – 2 Percent
Additional Backwater (Q_{100}) – 0.96 Feet
Overtopping Flood – 180 Cubic Feet Per Second
Overtopping Flood Exceedance – 0.2 Percent

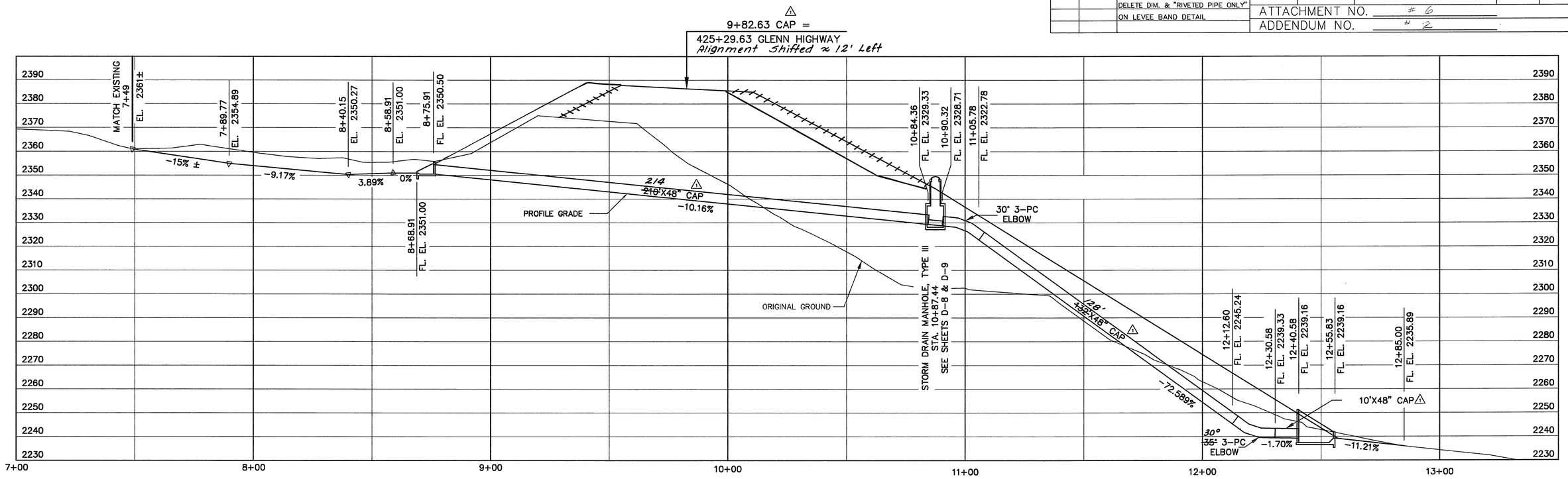
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

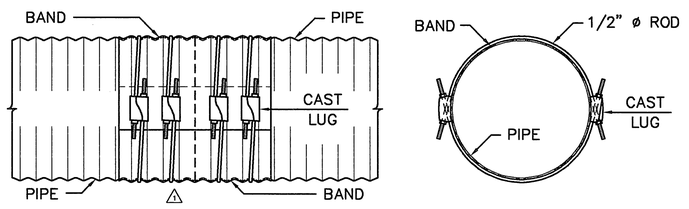
GLENN HIGHWAY
MP 109 TO MP 118

JACKASS CREEK
DRAINAGE DETAILS

STATE OF ALASKA
49th
G.C. SCHWADERER
CE-1006
REGISTERED PROFESSIONAL ENGINEER

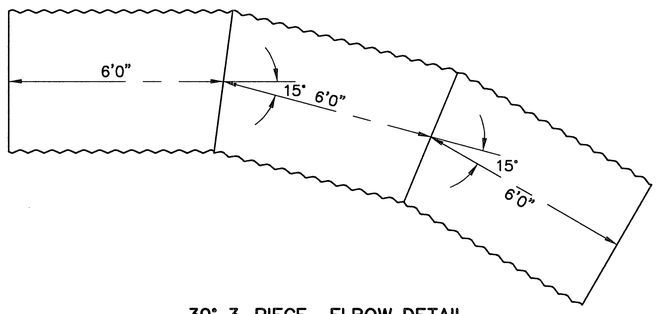
REVISIONS			YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION					
⚠	12/04/96	CHANGE BCPI CSP TO CAP AND DELETE DIM. & "RIVETED PIPE ONLY" ON LEVEE BAND DETAIL	1996	ALASKA	IR-0A1-5(4)/56454	D-6	148
			ATTACHMENT NO. # 6				
			ADDENDUM NO. # 2				



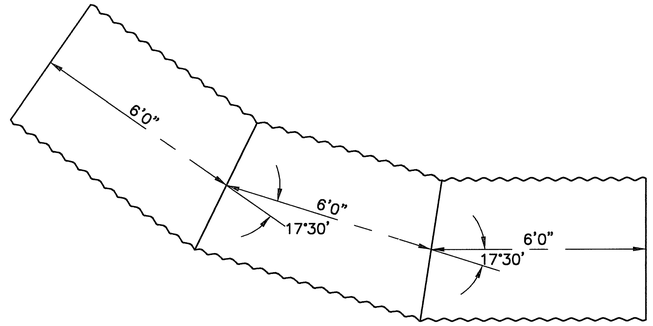


SIDE VIEW END VIEW

LEVEE BAND DETAIL ⚠



30° 3-PIECE ELBOW DETAIL FOR 48" CAP ⚠



35° 3-PIECE ELBOW DETAIL FOR 48" CAP ⚠

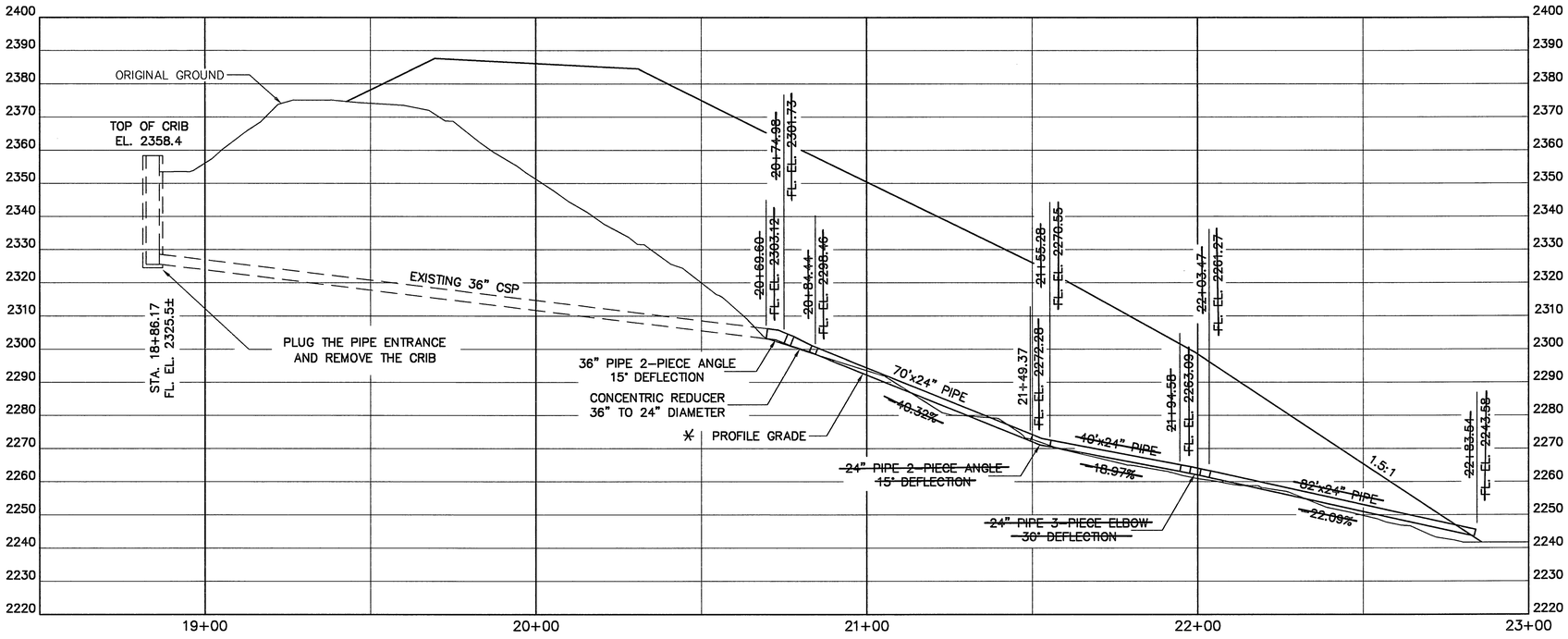
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

GLENN HIGHWAY
MP 109 TO MP 118

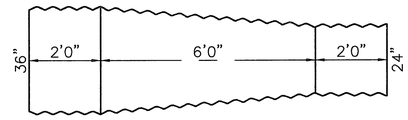
JACKASS CREEK
DRAINAGE DETAILS

STATE OF ALASKA 49th G.C. SCHWADERER CE-1006 REGISTERED PROFESSIONAL ENGINEER

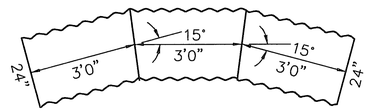
REVISIONS			YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION					
1	12/04/96	DELETE DIM. & "RIVETED PIPE ONLY" ON LEVEE BAND DET.	1996	ALASKA	IR-0A1-5(4)/56454	D-7	148
			ATTACHMENT NO. # 6				
			ADDENDUM NO. # 2				



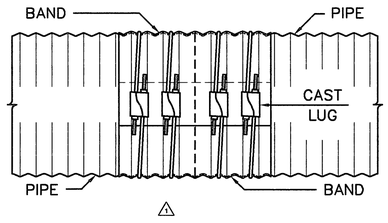
* Diversion Pipe Layed Following Original Ground Extending beyond Toe of new embankment.



CONCENTRIC REDUCER DETAIL
36" PIPE TO 24" PIPE

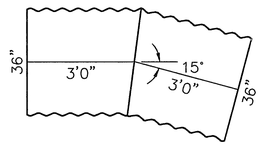


30° 3-PIECE ELBOW DETAIL
FOR 24" PIPE

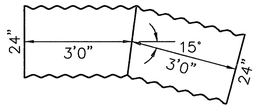


SIDE VIEW END VIEW

LEVEE BAND DETAIL
⚠



15° 2-PIECE ANGLE DETAIL
FOR 36" PIPE



15° 2-PIECE ANGLE DETAIL
FOR 24" PIPE

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

GLENN HIGHWAY
MP 109 TO MP 118

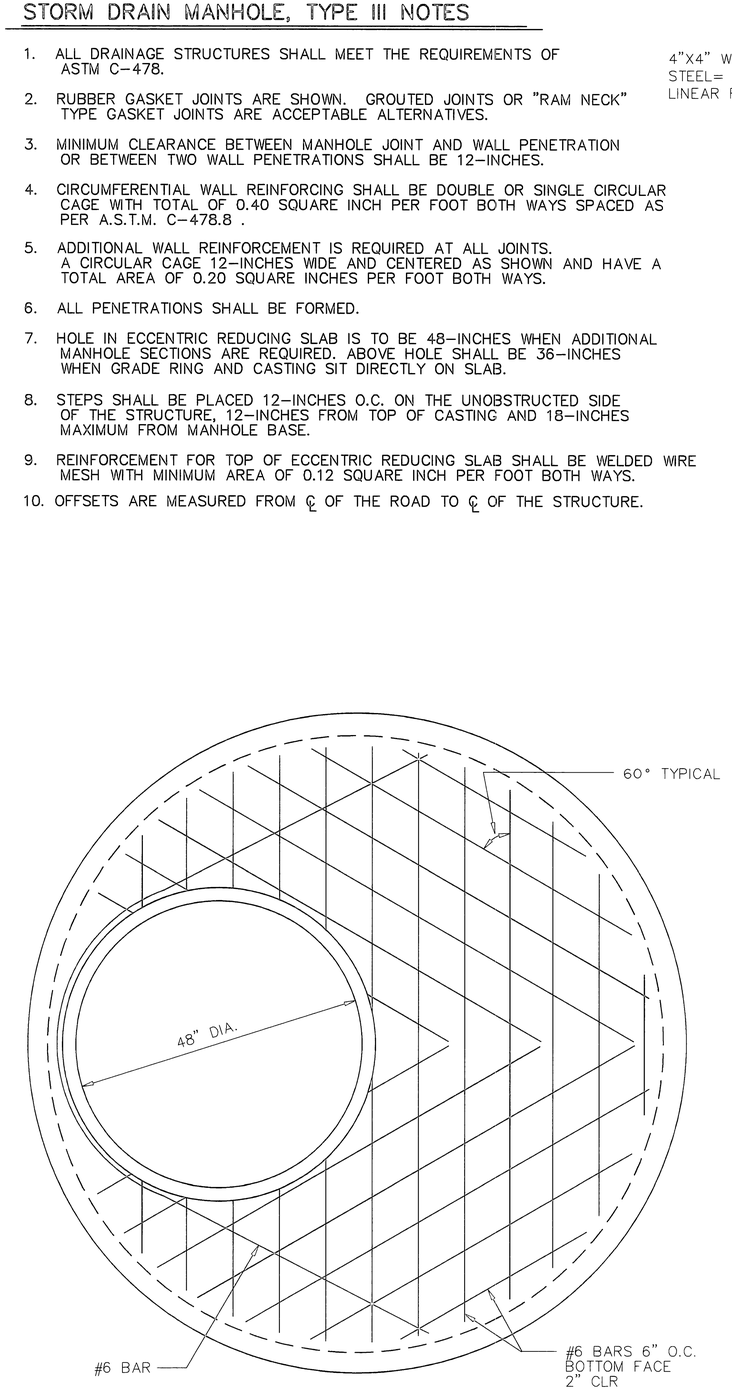
JACKASS CREEK TEMPORARY
DIVERSION CULVERT DETAILS

STATE OF ALASKA 49th G.C. SCHWADERER CE-1006 REGISTERED PROFESSIONAL ENGINEER

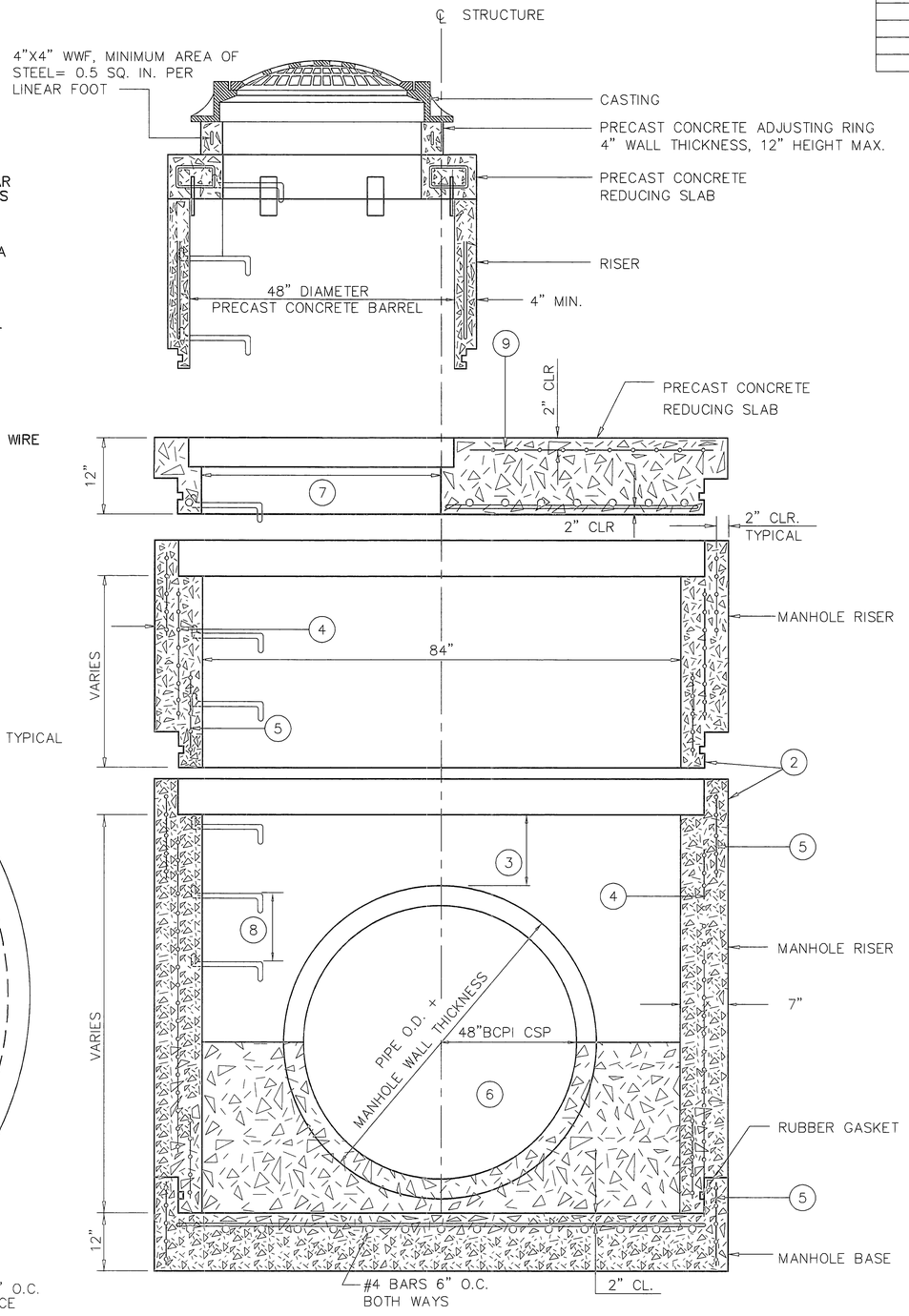
REVISIONS			YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION					
			1996	ALASKA	IR-0A1-5(4)/56454	D-8	148

STORM DRAIN MANHOLE, TYPE III NOTES

1. ALL DRAINAGE STRUCTURES SHALL MEET THE REQUIREMENTS OF ASTM C-478.
2. RUBBER GASKET JOINTS ARE SHOWN. GROUTED JOINTS OR "RAM NECK" TYPE GASKET JOINTS ARE ACCEPTABLE ALTERNATIVES.
3. MINIMUM CLEARANCE BETWEEN MANHOLE JOINT AND WALL PENETRATION OR BETWEEN TWO WALL PENETRATIONS SHALL BE 12-INCHES.
4. CIRCUMFERENTIAL WALL REINFORCING SHALL BE DOUBLE OR SINGLE CIRCULAR CAGE WITH TOTAL OF 0.40 SQUARE INCH PER FOOT BOTH WAYS SPACED AS PER A.S.T.M. C-478.8 .
5. ADDITIONAL WALL REINFORCEMENT IS REQUIRED AT ALL JOINTS. A CIRCULAR CAGE 12-INCHES WIDE AND CENTERED AS SHOWN AND HAVE A TOTAL AREA OF 0.20 SQUARE INCHES PER FOOT BOTH WAYS.
6. ALL PENETRATIONS SHALL BE FORMED.
7. HOLE IN ECCENTRIC REDUCING SLAB IS TO BE 48-INCHES WHEN ADDITIONAL MANHOLE SECTIONS ARE REQUIRED. ABOVE HOLE SHALL BE 36-INCHES WHEN GRADE RING AND CASTING SIT DIRECTLY ON SLAB.
8. STEPS SHALL BE PLACED 12-INCHES O.C. ON THE UNOBSTRUCTED SIDE OF THE STRUCTURE, 12-INCHES FROM TOP OF CASTING AND 18-INCHES MAXIMUM FROM MANHOLE BASE.
9. REINFORCEMENT FOR TOP OF ECCENTRIC REDUCING SLAB SHALL BE WELDED WIRE MESH WITH MINIMUM AREA OF 0.12 SQUARE INCH PER FOOT BOTH WAYS.
10. OFFSETS ARE MEASURED FROM ℄ OF THE ROAD TO ℄ OF THE STRUCTURE.

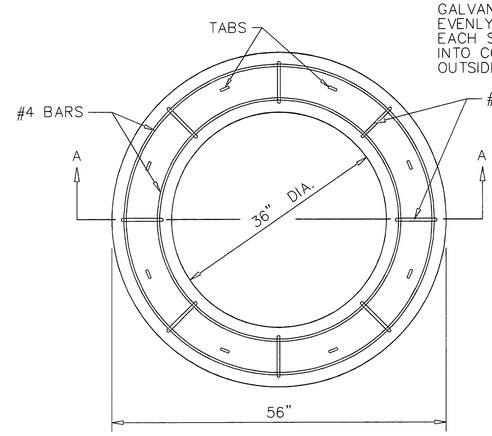


48" PRECAST CONCRETE REDUCING SLAB

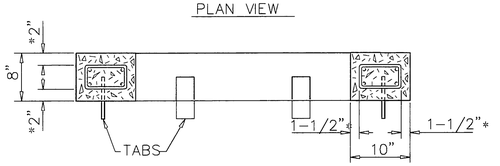


STORM DRAIN MANHOLE, TYPE III

NOTE: TABS WILL BE 1/2" X 3" X 7" GALVANIZED STEEL PLATES. EVENLY SPACE 8 TABS AROUND EACH SLAB. INSERT TABS 4-INCHES INTO CONCRETE, 4-1/2-INCHES FROM OUTSIDE EDGE OF SLAB.



PLAN VIEW



SECTION A-A

* THESE DIMENSIONS DENOTE DISTANCE BETWEEN EDGE OF CONCRETE AND OUTSIDE EDGE OF RESTEEL.

PRECAST CONCRETE REDUCING SLAB

56-INCH TO 36-INCH WITH CENTERED HOLE

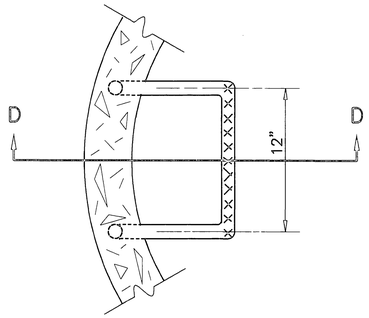


STATE OF ALASKA
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AND
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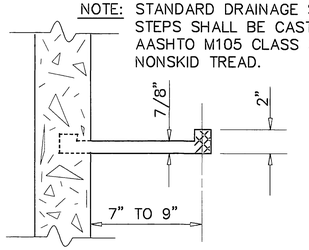
GLENN HIGHWAY
MP 109 TO MP 118

JACKASS CREEK CULVERT
MANHOLE DETAILS

REVISIONS			YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION					
			1996	ALASKA	IR-0A1-5(4)/56454	D-9	148



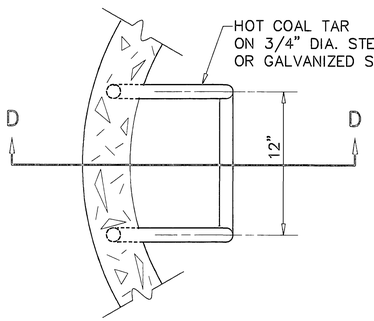
NOTE: STANDARD DRAINAGE STRUCTURE STEPS SHALL BE CAST IRON, AASHTO M105 CLASS 35, WITH NONSKID TREAD.



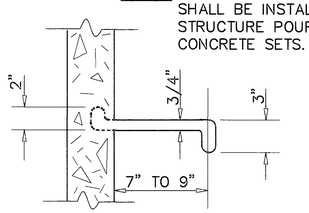
SECTION D-D

CAST IRON

DRAINAGE STRUCTURE STEP



NOTE: DRAINAGE STRUCTURE STEPS SHALL BE INSTALLED DURING STRUCTURE POUR OR BEFORE CONCRETE SETS.

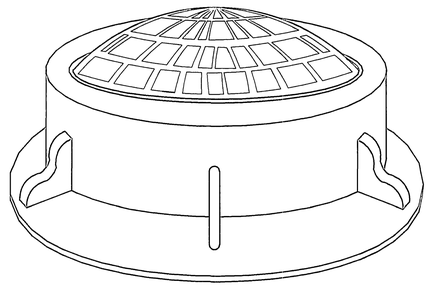


SECTION D-D

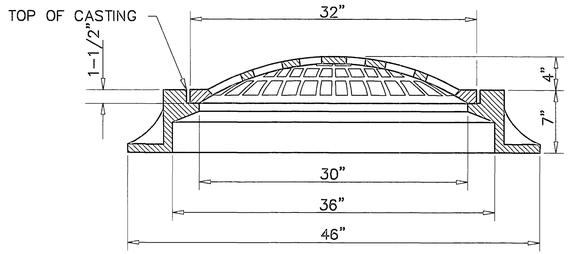
STEEL

DRAINAGE STRUCTURE STEP

(ALTERNATIVE)



SURROUND FIELD INLETS WITH A 24-INCH WIDE ROCK RUBBLE COLLAR 10-INCHES DEEP, 3-INCH MAXIMUM SIZE ROCK.

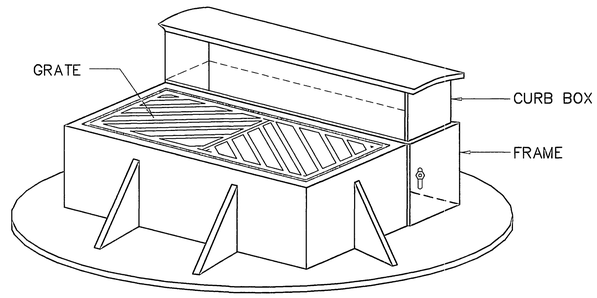


FIELD INLET FRAME & GRATE

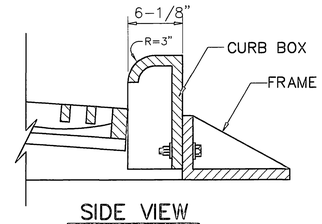
TO BE SUPPLIED FOR STORM DRAIN MANHOLES WHERE FIELD INLETS ARE SPECIFIED.
FIELD INLET FRAME AND GRATE SHALL HAVE A TOTAL WEIGHT OF NOT LESS THAN 535 LBS.

FRAME & GRATE NOTES

1. GRATES SHALL BE BICYCLE SAFE.
2. FRAMES, GRATES, AND LIDS SHALL BE SUBSIDIARY TO THE DRAINAGE STRUCTURES.
3. ALL GRATES, LID, AND CURB BOX SHALL BE DUCTILE IRON.
4. FRAME AND GRATE CASTING TYPES ARE IDENTIFIED BY THE FOLLOWING ABBREVIATIONS:
   C.I.=CURB INLET
   F.I.=FIELD INLET
   M.H.=MANHOLE LID

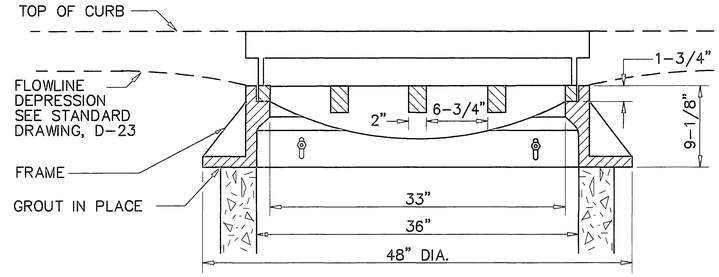


NOTE:
CURB BOX, GRATE, AND FRAME SHALL HAVE A TOTAL WEIGHT NOT LESS THAN 660 POUNDS.



SIDE VIEW

MOUNTABLE CURB AND GUTTER



FRONT VIEW

CURB INLET FRAME AND GRATE

TO BE SUPPLIED FOR STORM DRAIN MANHOLES TYPE I ,TYPE II AND TYPE III WHERE CURB INLETS ARE SPECIFIED.

REQUIRED FRAME AND GRATES				
STRUCTURE	INLET TYPE	CURB TYPE	USE FRAME AND GRATE	DRAWING
INLET BOX, TYPE A	CURB	MOUNTABLE	STANDARD CURB INLET	STD. DRAWING D-23
	CURB	EXPRESSWAY	MOUNTABLE CURB INLET	STD. DRAWING D-24
	CURB	ROLLED CURB	GUTTER INLET	STD. DRAWING D-24
	FIELD	-------	FIELD INLET	STD. DRAWING D-24
STORM DRAIN MANHOLES, TYPE I, IE AND III	CURB	MOUNTABLE	MOUNTABLE CURB INLET	THIS SHEET
	CURB	EXPRESSWAY	EXPRESS. CURB INLET	THIS SHEET
	CURB	ROLLED CURB	GUTTER INLET	STD. DRAWING D-24
	FIELD	-------	FIELD INLET	THIS SHEET
	MANHOLE LIDS	-------	FIELD INLET FRAME	THIS SHEET

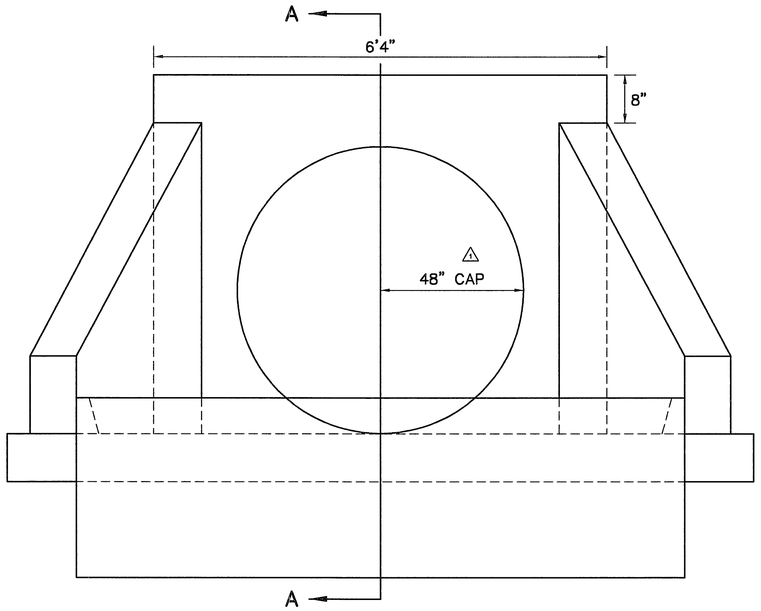


STATE OF ALASKA
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AND
PUBLIC FACILITIES

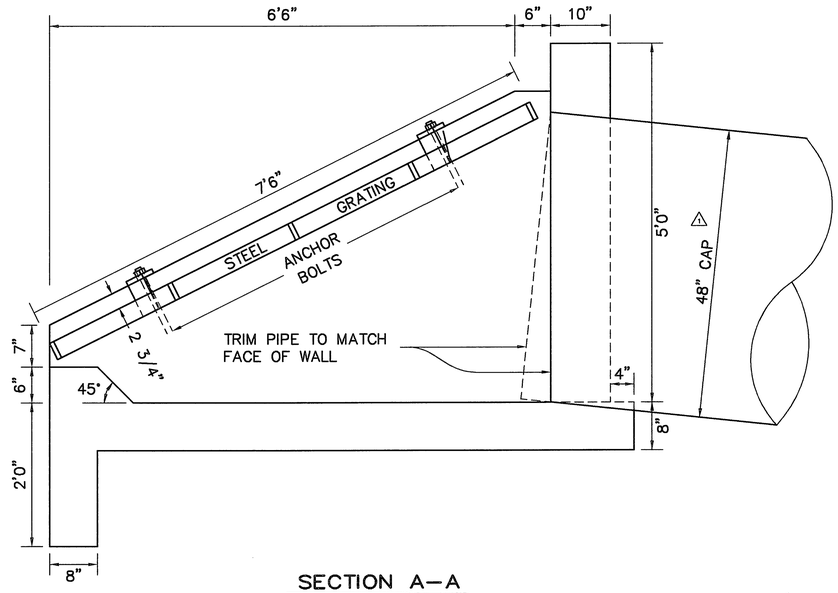
GLENN HIGHWAY
MP 109 TO MP 118

JACKASS CREEK CULVERT
MANHOLE DETAILS

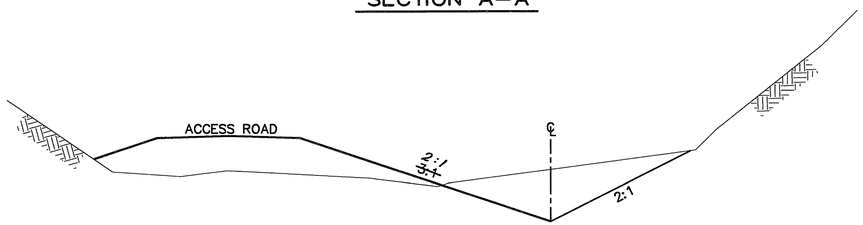
REVISIONS			YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION					
1	12/04/96	CHANGE BCPI CSP TO CAP	1996	ALASKA	IR-0A1-5(4)/56454	D-10	148
			ATTACHMENT NO.		#6		
			ADDENDUM NO.		#2		



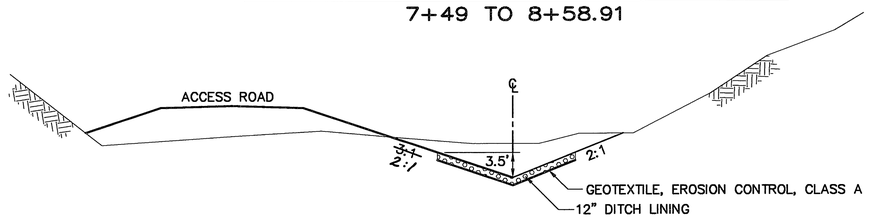
FRONT VIEW



SECTION A–A



TYPICAL SECTION – SETTLING POND/DITCH
7+49 TO 8+58.91



TYPICAL SECTION – INLET CHANNEL
8+58.91 TO 8+68.91

PLAN VIEW

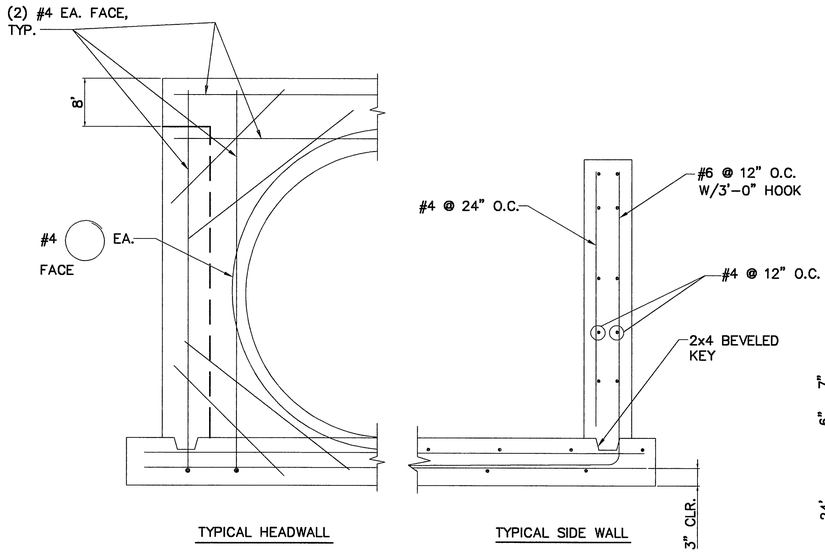


STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

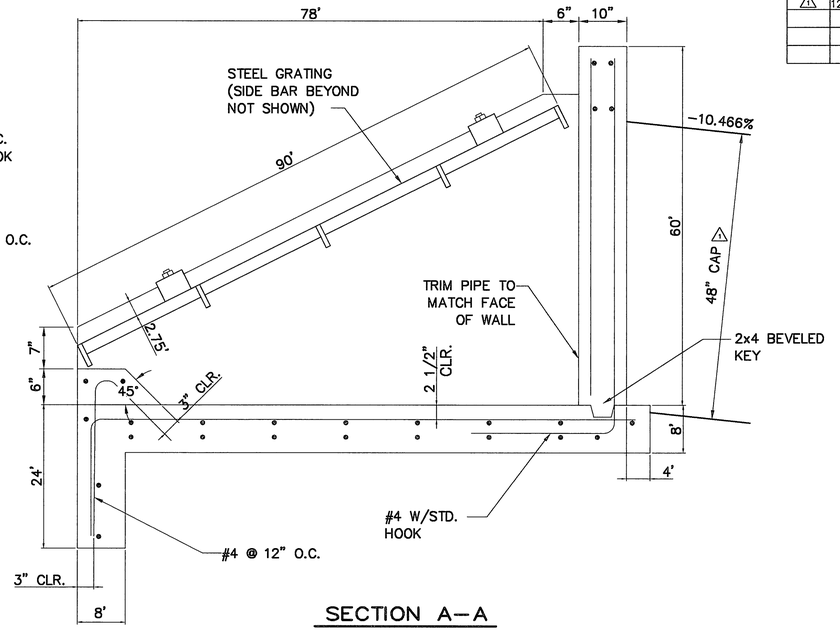
GLENN HIGHWAY
MP 109 TO MP 118

JACKASS CREEK CULVERT
INLET HEADWALL DETAILS

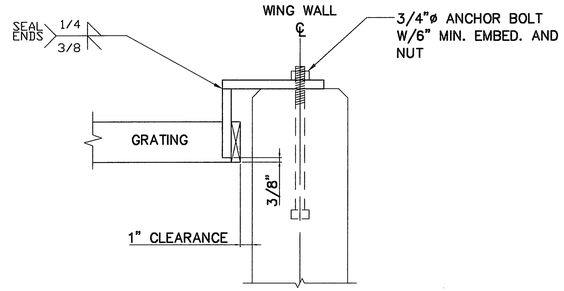
REVISIONS			YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION					
1	12/04/96	CHANGE BCPI CSP TO CAP	1996	ALASKA	IR-0A1-5(4)/56454	D-11	148
			ATTACHMENT NO.		#6		
			ADDENDUM NO.		#2		



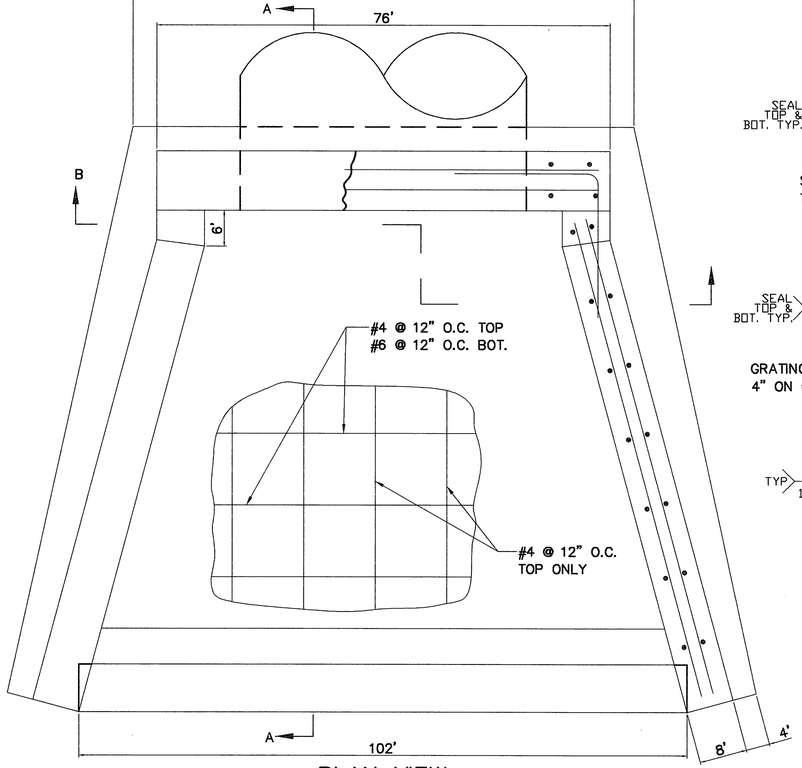
SECTION B-B



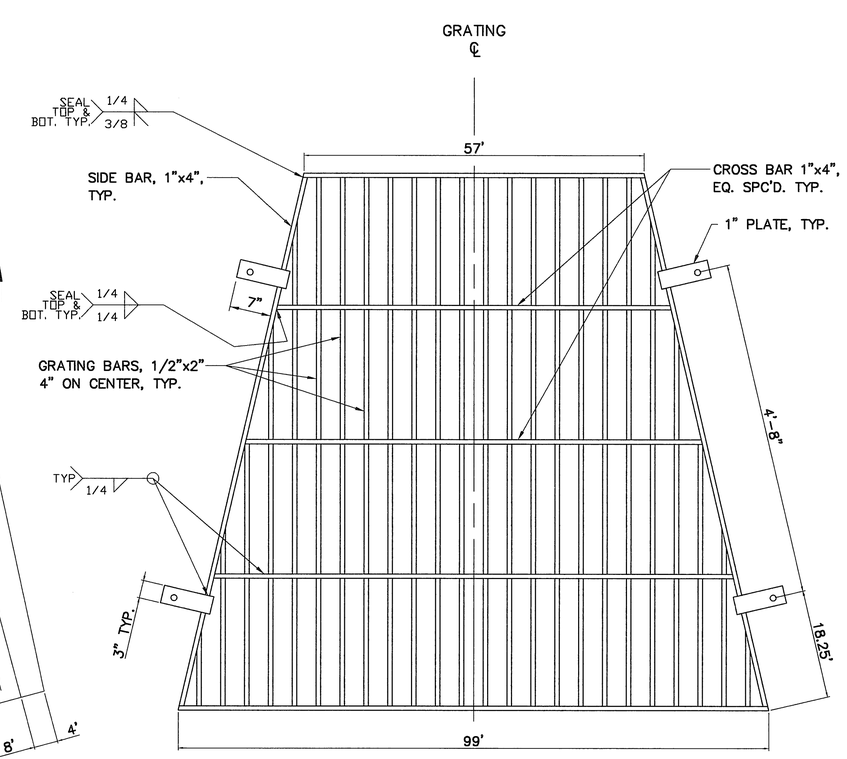
SECTION A-A



HANGER DETAIL



PLAN VIEW



GRATING PLAN

NOTES:

1. CONCRETE SHALL BE CLASS A, f'c = 4000 PSI
2. ALL EXPOSED CONCRETE CORNERS SHALL BE CHAMFERED 3/4".
3. REINFORCING STEEL SHALL BE PLACED 2" CLEAR FROM FORMED SURFACES AND 3" CLEAR FROM SOIL SURFACES UNLESS OTHERWISE NOTED.
4. REINFORCING STEEL SHALL BE GRADE 60.
5. ALL #4 DOWELS SHALL BE 3'-0" (2) 3'-0"
6. LAP ALL #4 BARS 30" MIN.
7. WELDED STEEL GRATING, ANCHOR BOLTS AND NUTS SHALL BE HOT-DIPPED GALVANIZED.

STATE OF ALASKA 49TH — William M. Smith No. 4308-E 12-4-96 — REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA 49TH — Ted B. Trueblood CE-4476 12/4/96 — REGISTERED PROFESSIONAL ENGINEER

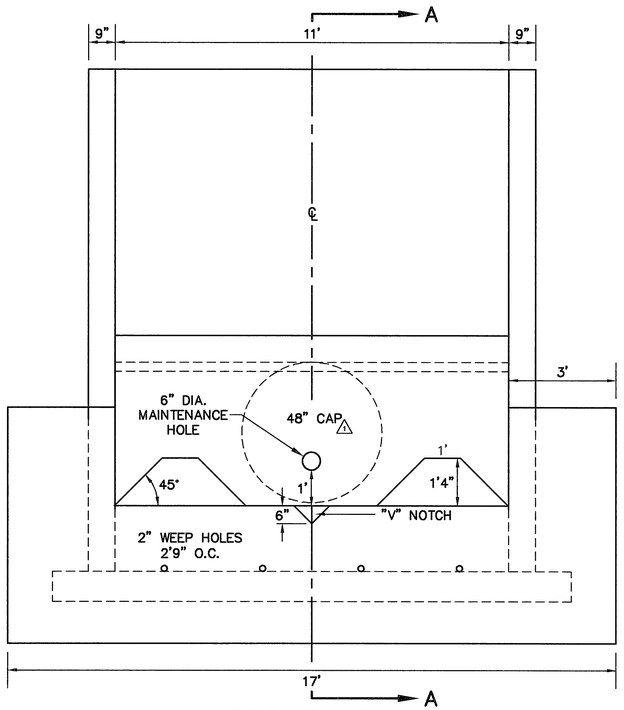
W. M. SMITH SCOPE LIMITED TO DESIGN OF REINFORCING STEEL AND GRATING.

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

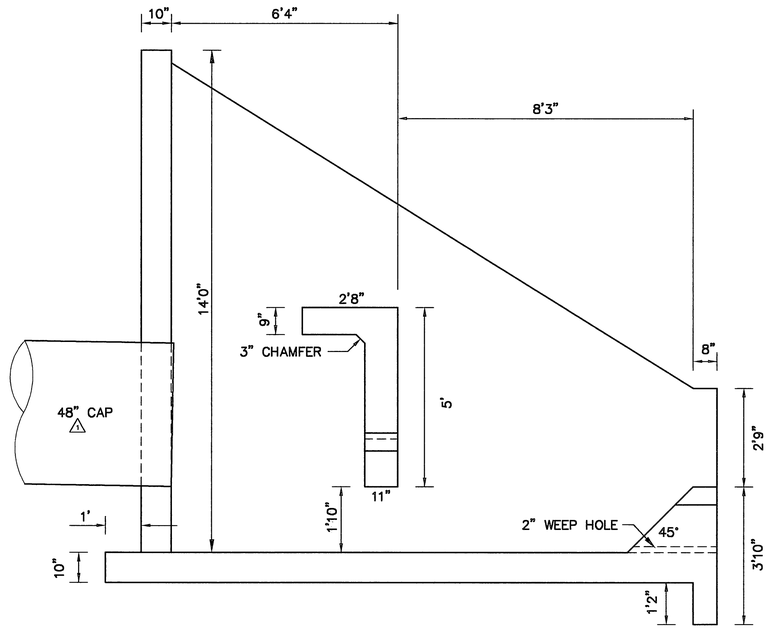
GLENN HIGHWAY
MP 109 TO MP 118

JACKASS CREEK CULVERT INLET HEADWALL DETAILS

REVISIONS			YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION					
1	12/04/96	CHANGE BCPI CSP TO CAP	1996	ALASKA	IR-0A1-5(4)/56454	D-12	148
			ATTACHMENT NO. # 6				
			ADDENDUM NO. # 2				

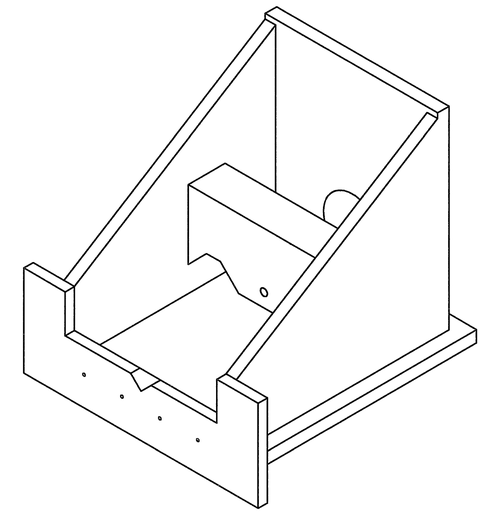


FRONT VIEW

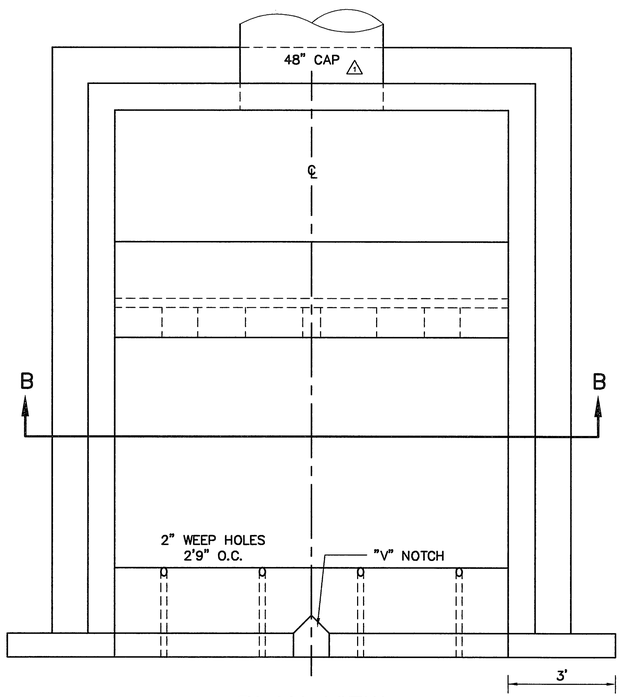


SECTION VIEW A–A

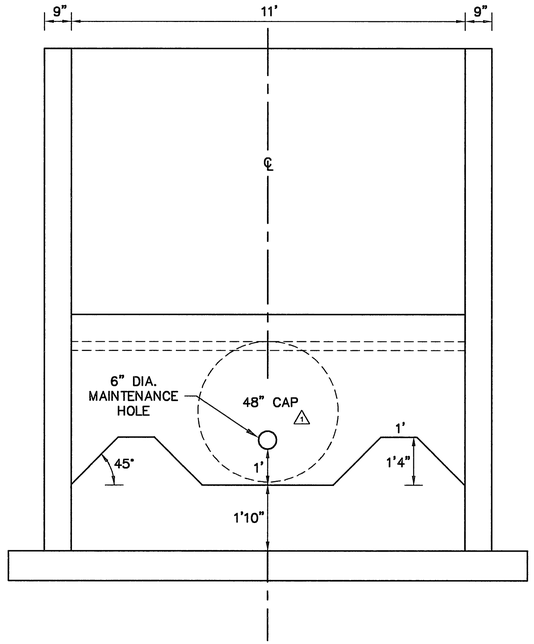
See Sheet D-13 for Cover and Reinforcement Changes



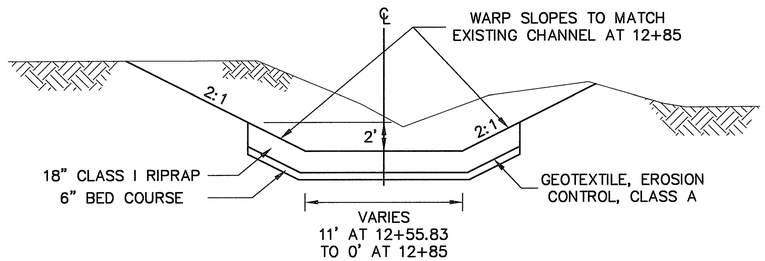
ISOMETRIC VIEW
NTS



PLAN VIEW



SECTION VIEW B–B



OUTLET CHANNEL DETAIL

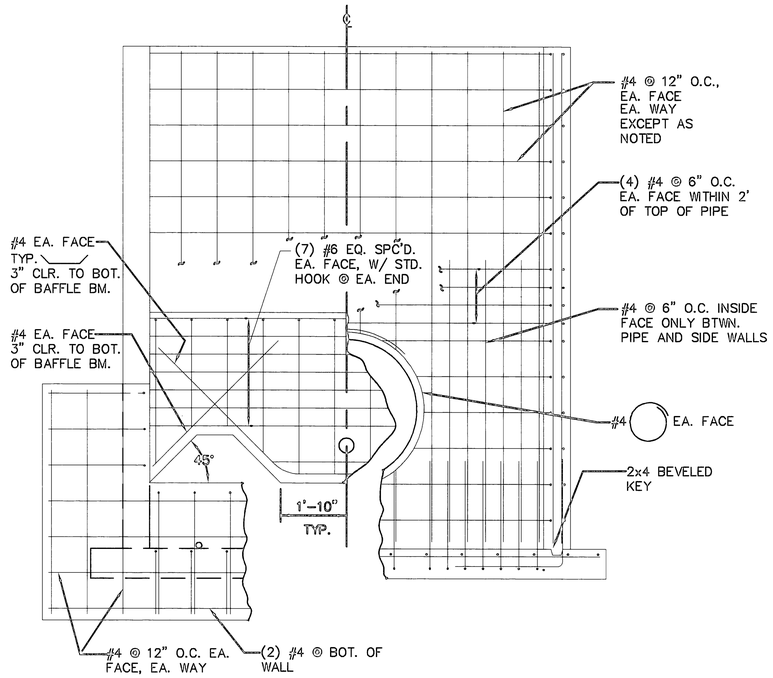
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

GLENN HIGHWAY
MP 109 TO MP 118

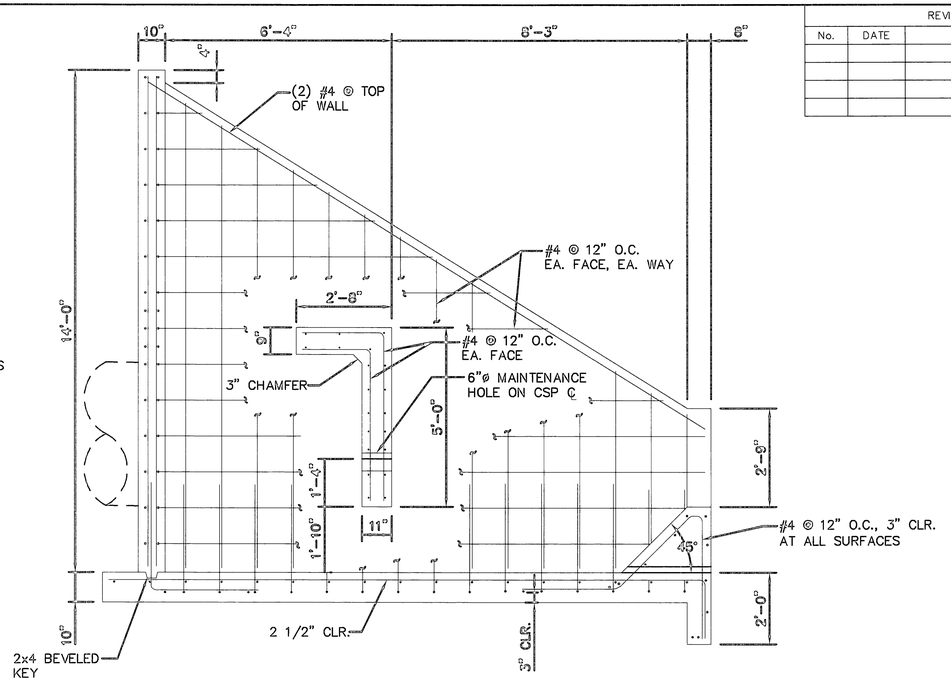
JACKASS CREEK CULVERT
BAFFLE BEAM ENERGY
DISSIPATOR DETAILS

STATE OF ALASKA 49th G.C. SCHWADERER CE-1006 REGISTERED PROFESSIONAL ENGINEER

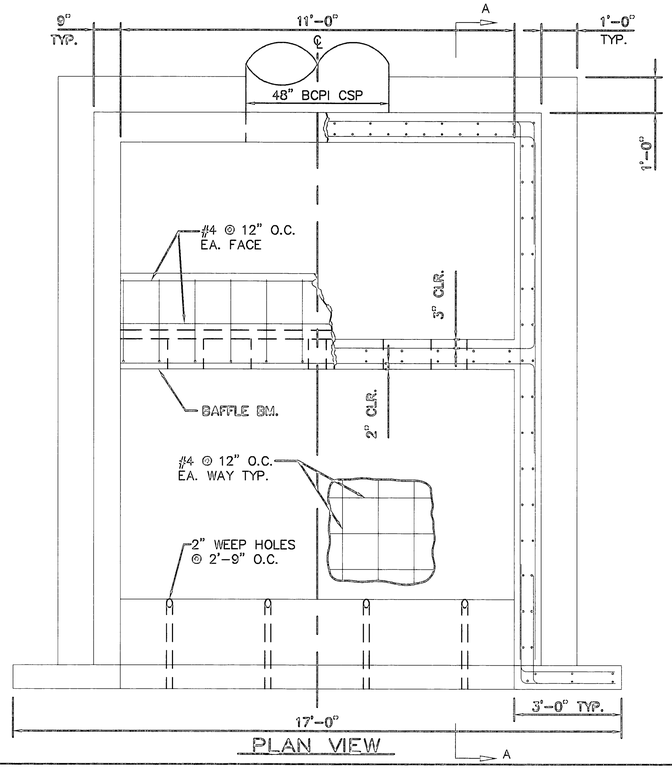
REVISIONS			YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION					
			1996	ALASKA	IR-0A1-5(4)/56454	D-13	148



FRONT VIEW



SECTION A-A



PLAN VIEW

NOTES:

1. CONCRETE SHALL BE CLASS A, f'c = 4000 PSI
2. ALL EXPOSED CONCRETE CORNERS SHALL BE CHAMFERED 3/4".
3. REINFORCING STEEL SHALL BE PLACED 2" CLEAR FROM FORMED SURFACES AND 3" CLEAR FROM SOIL SURFACES UNLESS OTHERWISE NOTED.
4. REINFORCING STEEL SHALL BE GRADE 60.
5. ALL #4 DOWELS SHALL BE 3'-0" / 3'-0"
6. LAP ALL #4 BARS 30" MIN.

STATE OF ALASKA 49TH
William M. Smith
No. 4308-E
10.1.96
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA 49TH
Ted B. Trueblood
CE-4476
10/9/96
REGISTERED PROFESSIONAL ENGINEER

W. M. SMITH SCOPE LIMITED TO DESIGN OF REINFORCING STEEL.

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

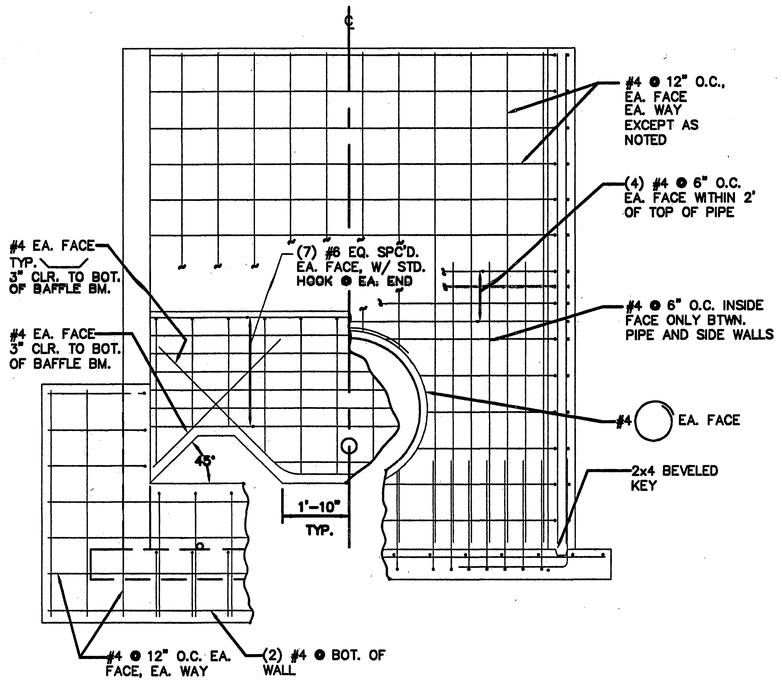
GLENN HIGHWAY
MP 109 TO MP 118

JACKASS CREEK CULVERT BAFFLE BEAM ENERGY DISSIPATOR DETAILS

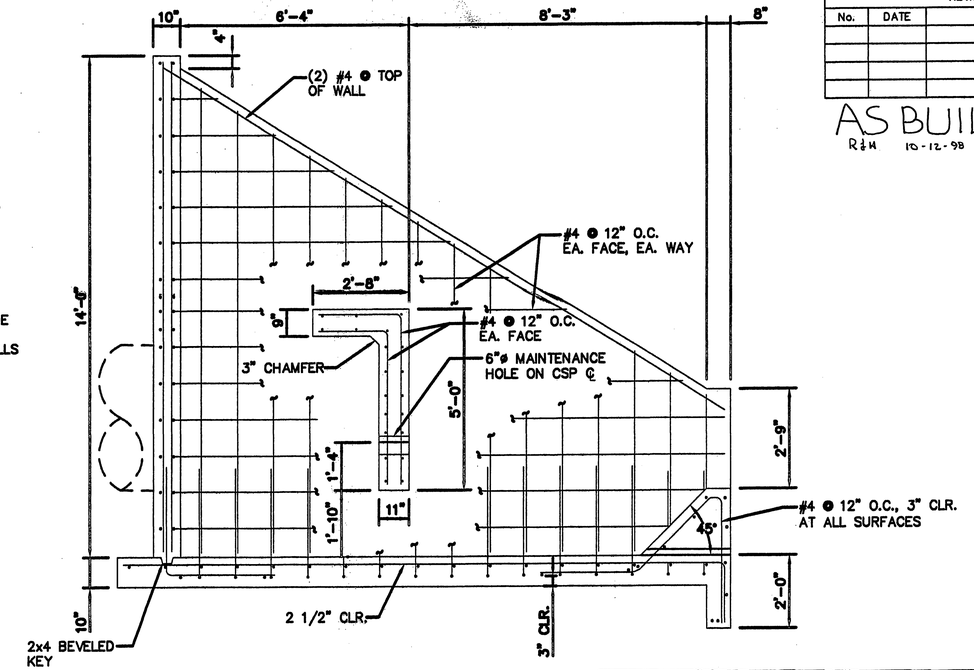
REVISIONS		
No.	DATE	DESCRIPTION

YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
1996	ALASKA	IR-0A1-5(4)/56454	D-13	148

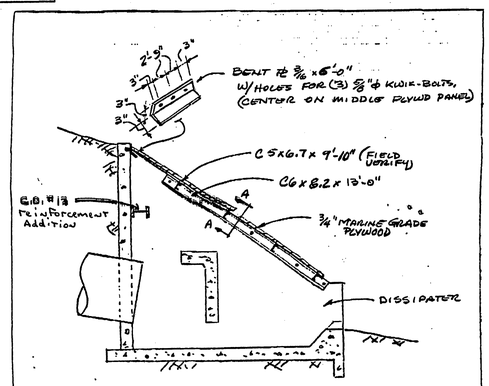
AS BUILT
R&H 10-12-98



FRONT VIEW



SECTION A-A



SECTION THROUGH DISSIPATOR
1/4"=1'-0"

CHANGE ORDER #20 Energy Dissipator Cover Addition

- ALL STEEL SHALL BE GALV. A-36.
- ALL FASTENERS & WASHERS SHALL BE GALVANIZED.
- PLYWOOD SHALL BE MARINE GRADE.

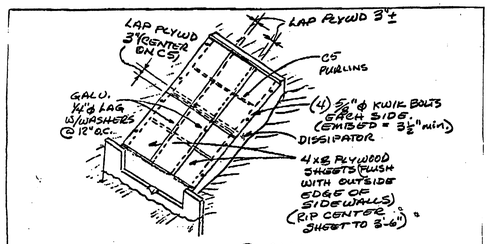
DESIGNED	DRAWN	CHECKED	DATE	6.15.98
			SHEET	OF
			SCALE	

TRYCK NYMAN HAYES, INC.

GLENN HIGHWAY MP 109 TO MP 118 ENERGY DISSIPATOR COVER — FS-1

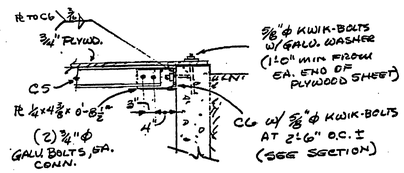
NOTES:

1. CONCRETE SHALL BE CLASS A, f'c = 4000 PSI
2. ALL EXPOSED CONCRETE CORNERS SHALL BE CHAMFERED 3/4".
3. REINFORCING STEEL SHALL BE PLACED 2" CLEAR FROM FORMED SURFACES AND 3" CLEAR FROM SOIL SURFACES UNLESS OTHERWISE NOTED.
4. REINFORCING STEEL SHALL BE GRADE 60.
5. ALL #4 DOWELS SHALL BE 3'-0" / 3'-0"
6. LAP ALL #4 BARS 30" MIN.



ISOMETRIC PLAN
NO SCALE

CHANGE ORDER #20 Energy Dissipator Cover Addition



SECTION A-A
3/4"=1'-0"

SEE FS-1 FOR NOTES.

DESIGNED	DRAWN	CHECKED	DATE	6.15.98
			SHEET	OF
			SCALE	

TRYCK NYMAN HAYES, INC.

GLENN HIGHWAY MP 109 TO MP 118 ENERGY DISSIPATOR COVER — FS-2





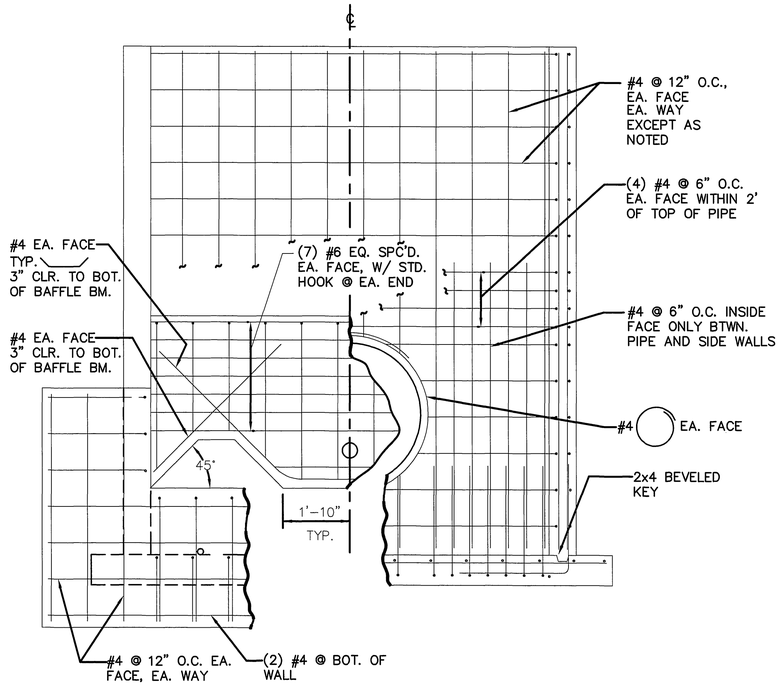
W. M. SMITH SCOPE LIMITED TO DESIGN OF REINFORCING STEEL.

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

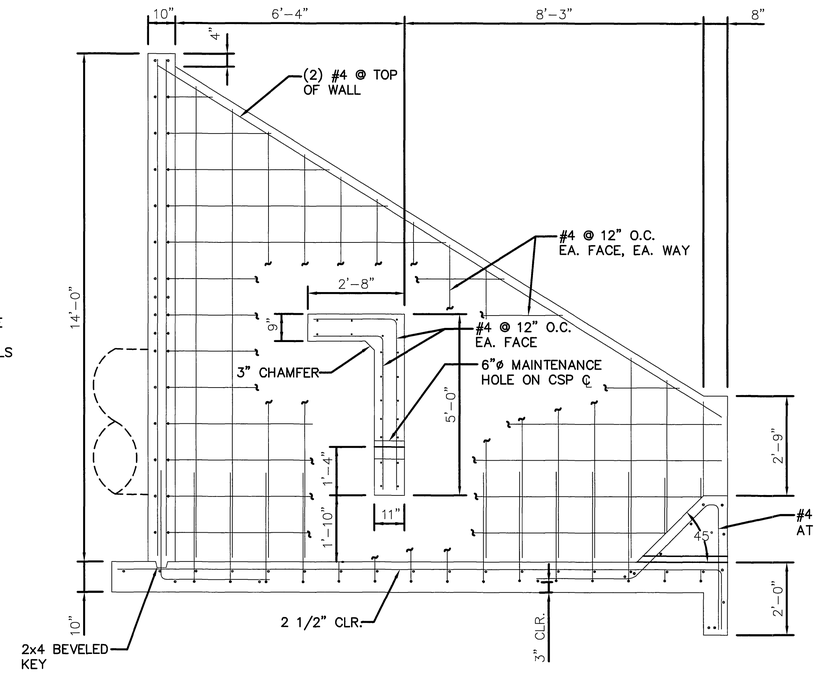
GLENN HIGHWAY
MP 109 TO MP 118
JACKASS CREEK CULVERT
BAFFLE BEAM ENERGY
DISSIPATOR DETAILS

REVISIONS		
No.	DATE	DESCRIPTION

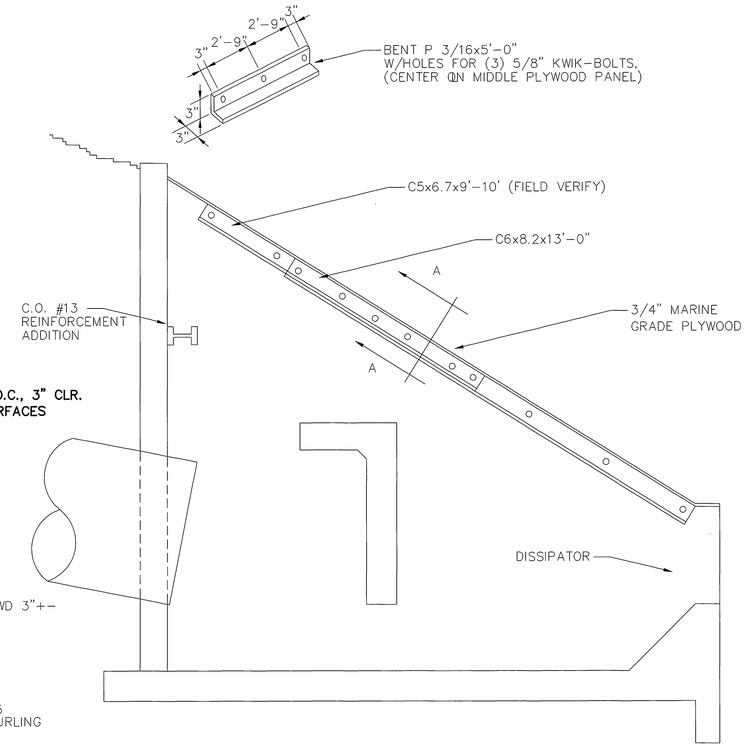
YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
1996	ALASKA	IR-0A1-5(4)/56454	D-13	148



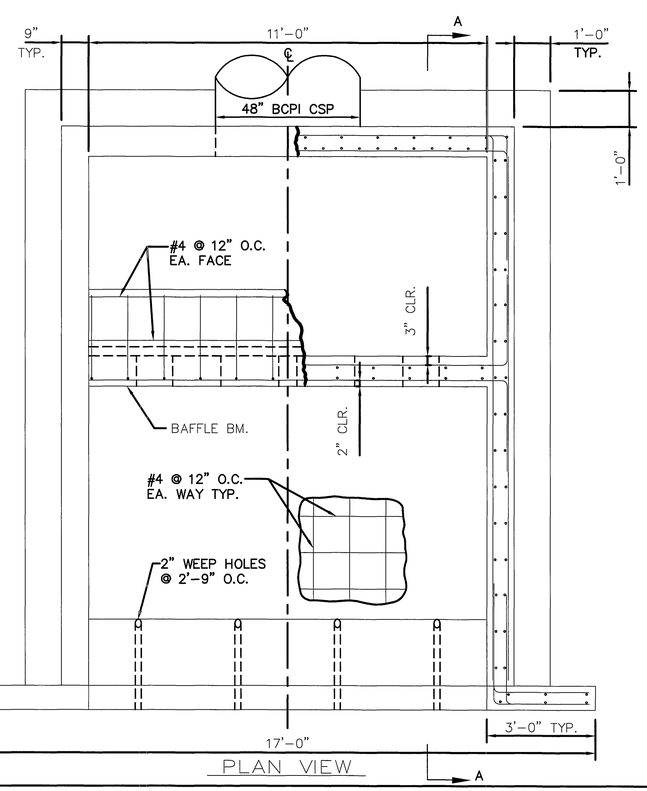
FRONT VIEW



SECTION A-A



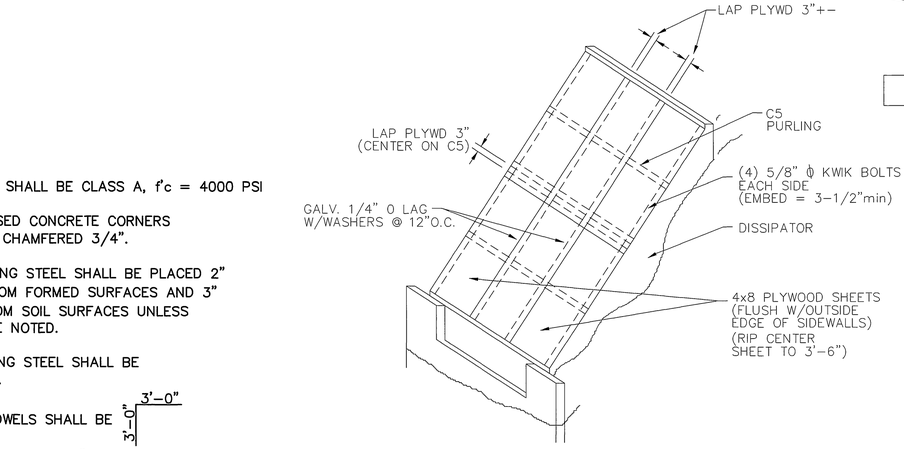
SECTION THROUGH DISSIPATOR



PLAN VIEW

NOTES:

1. CONCRETE SHALL BE CLASS A, f'c = 4000 PSI
2. ALL EXPOSED CONCRETE CORNERS SHALL BE CHAMFERED 3/4".
3. REINFORCING STEEL SHALL BE PLACED 2" CLEAR FROM FORMED SURFACES AND 3" CLEAR FROM SOIL SURFACES UNLESS OTHERWISE NOTED.
4. REINFORCING STEEL SHALL BE GRADE 60.
5. ALL #4 DOWELS SHALL BE 3'-0" x 3'-0"
6. LAP ALL #4 BARS 30" MIN.

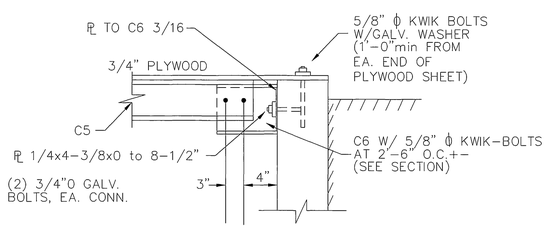


ISOMETRIC PLAN

CHANGE ORDER #20 ENERGY DISSIPATOR COVER ADDITION

CHANGE ORDER #20 ENERGY DISSIPATOR COVER ADDITION

- ALL STEEL SHALL BE GALV. A-36
- ALL FASTENERS AND WASHERS SHALL BE GALVANIZED
- PLYWOOD SHALL BE MARINE GRADE



SECTION A-A

STATE OF ALASKA
49TH
William M. Smith
No. 4308-E
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
49TH
Ted B. Trueblood
CE-4476
REGISTERED PROFESSIONAL ENGINEER

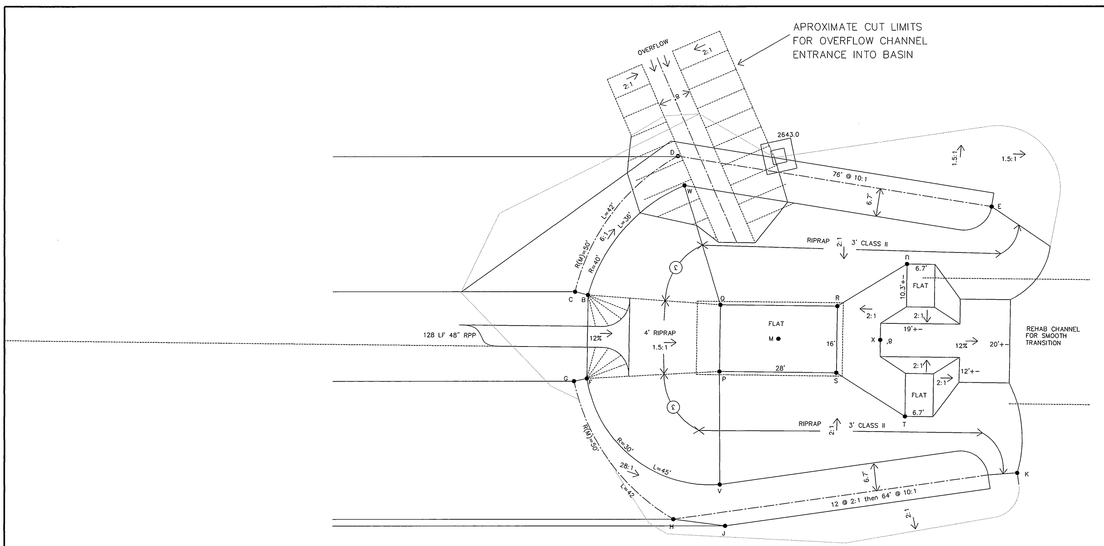
W. M. SMITH SCOPE LIMITED TO DESIGN OF REINFORCING STEEL.

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

GLENN HIGHWAY
MP 109 TO MP 118

JACKASS CREEK CULVERT
BAFFLE BEAM ENERGY
DISSIPATOR DETAILS

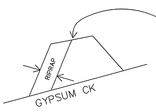
G109-D13 - 10/07/96



TOP OF HEADWALL (FB) = 2650.4+-
PIPE OUTLET INVERT IS 75.0 RT 530+57.5 @ 2645.15
BASIN FLOOR TOP RIPRAP (PQRS) = 2629.4
BASIN FLOOR BOTTOM RIPRAP = 2626.4
TOP OF WIER (UT) = 2634.6
WEIR CHANNEL @ X = 2632.6

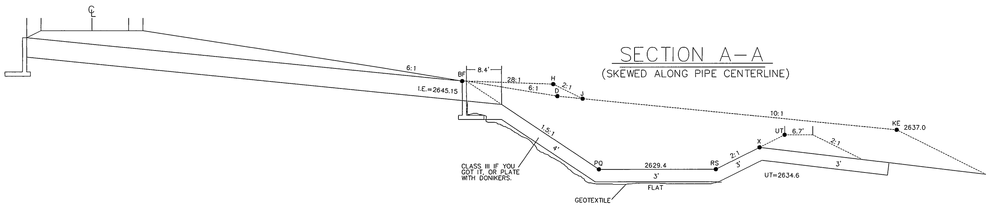
B IS 80' RT 530+66.3 @ 2650.4
C IS 77.9' RT 530+68.7 @ 2650.9
D IS 116.6' RT 530+81.6 @ 2644.4
E IS 171.7' RT 530+29.2 @ 2637.0
F IS 68.5' RT 530+49.9 @ 2650.4
G IS 65.6' RT 530+51.1 @ 2650.9
H IS 66.6' RT 530+10.3 @ 2649.4
K IS 134.7' RT 530+76.5 @ 2637.0
M IS 111.7' RT 530+31.85 @ 2629.4

M IS CENTER OF ARC CD & GH



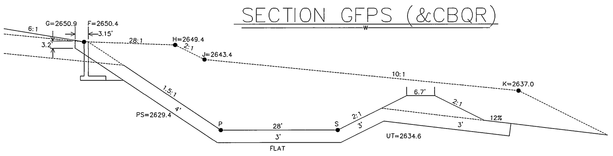
1) CENTERLINE (THICK) ID BACK OF RIPRAP
2) MY ESTIMATE 580 C.Y. CLASS II RIPRAP
3) TRANSITION FROM 4' THICK AT 1.5:1 TO 3' THICK AT 2:1
4) LINE W/ GEOTEXTILE, EROSION CONTROL FROM HEADWALL TO EDGE OF BASIN AT LINE RS.

SECTION A–A
(SKEWED ALONG PIPE CENTERLINE)

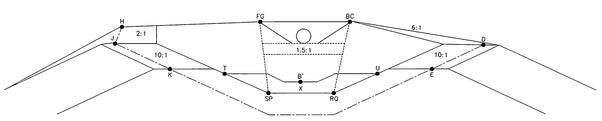


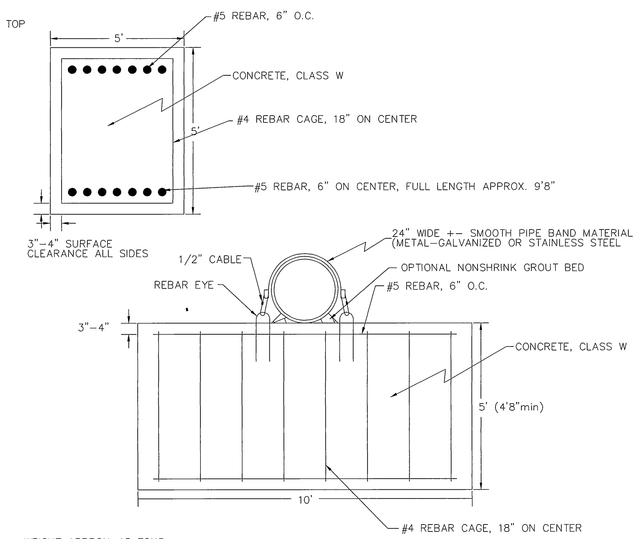
NOTE: THE HEADWALLS HAVE BEEN REPLACED BY DEADMEN.

SECTION GFPS (&CBQR)



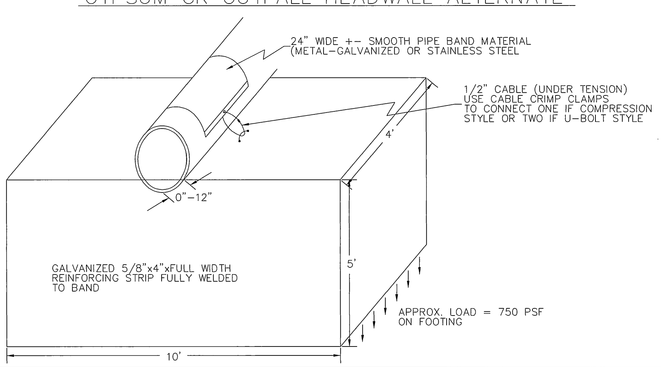
ELEVATION VIEW
LOOKING UPSTREAM AT OUTLET

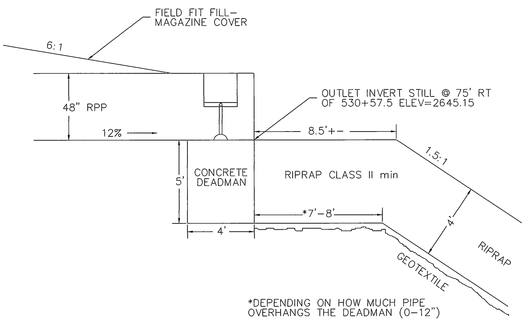




WEIGHT APPROX. 15 TONS

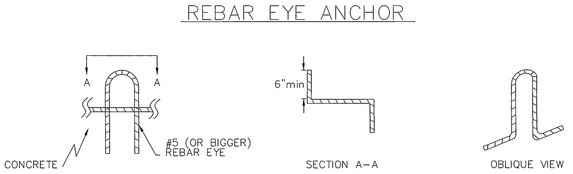
GYPSUM CK OUTFALL HEADWALL ALTERNATE





*DEPENDING ON HOW MUCH PIPE OVERHANGS THE DEADMAN (0–12")

REBAR EYE ANCHOR



YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
1996	ALASKA	IR-0A1-5(4)/56454	114	148

D14A

ADDITIONAL GYPSUM CREEK CULVERT CREATED BY CHANGE ORDER # 12
Rdd 10-12-98

AS BUILT

REVISIONS			YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION					
1	12/04/98	GENERAL NOTE 1	1996	ALASKA	IR-0A1-5(4)/56454	D1A-A	148

Attachment to CO#12
Page 1 of 10

Truncate all drawings and work at the ROW Line.

Note: The headwalls have been replaced by deadmen. See Pgs 8 thru 10

Gypsum Ck

Glenn Hwy

Palmer

Tok

Top of Headwall (TW)= 2650.4
Pipe Inlet Invert = 2648.15
Basin Floor Top RipRap (PCB)= 2644.4
Basin Floor Bottom RipRap = 2644
Top of Weir (Bottom RipRap = 2644
Weir Channel WF = 2632.6

Ditch Dtls. w/3' Class II RipRap Level w/Top of Headwall

Section A-A (skewed along pipe centerline)

Top of Headwall = 2650.4
Pipe Inlet Invert = 2648.15

SEP- 8-97 SAT 16:54 DOTPF MATERIALS, FBKS FAX NO. 907 451 2353 P. 02

Attachment to CO#12
Page 4 of 10

Note: The headwalls have been replaced by deadmen. See Pgs 8 thru 10

ELEVATION VIEW
Looking Upstream
At Outlet

Top Basin Floor = 2628.4
Bottom Basin Floor = 2626.4

Gypsum Ck

4

SEP- 8-97 SAT 16:56 DOTPF MATERIALS, FBKS FAX NO. 907 451 2353 P. 05

Attachment to CO#12
Page 6 of 10

Note: The headwalls have been replaced by deadmen. See Pgs 8 thru 10

Gypsum Ck

CONCRETE DEADMAN.

Section GFPS (&CBMR)

SEP-30-97 TUE 12:20 DOTPF MATERIALS, FBKS FAX NO. 907 451 2353 P. 02

DH-119

State of Alaska
Department of Transportation & Public Facilities
Interior Region

Attachment to CO#12
Page 9 of 10

Project No. Gypsum Ck
Project Name
Calc by DEC Date 9/26/97
Checked by Date

Computations

For Gypsum Ck Outfall Headwall Alternate

24" ± Smooth metal pipe band (galvanized or stainless steel)

½" cable (under Tension) use cable crimp clamps to connect — one if compression style or two if u-bolt style.

Galvanized 8-12"

⅝" x 4" Width Reinforcing strip Fully welded to band.

Wall Load = 750#/LF on Footing

Rebar Eye Anchor

#5 or Bigger, Rebar Eye

Top

6" min.

12" min.

Section A-A

Oblique View

Concrete

#5 (or Bigger) Rebar Eye

7.3

5

Attachment to CO#12
Page 5 of 10

Truncate all drawings and work at the ROW Line.

Note: The headwalls have been replaced by deadmen. See Pgs 8 thru 10

Approximate cut limits for overflow channel entrance into basin.

Gypsum Ck

Glenn Hwy

Palmer

Tok

Ditch Dtls. w/3' Class II RipRap Level w/Top of Headwall

Top of Headwall = 2650.4
Pipe Inlet Invert = 2648.15

4' RipRap

2:1 Slope Grade

SEP- 8-97 MON 11:42 DOTPF MATERIALS, FBKS FAX NO. 907 451 2353 P. 06

Attachment to CO#12
Page 3 of 10

Note: The headwalls have been replaced by deadmen. See Pgs 8 thru 10

① Centerline (thick) is back of RipRap

② my Estimate ≈ 580 C.Y. Class II RipRap

③ Transition from 4' thick at inlet to 3' thick at 2:1.

④ Line w/Geotextile, Erosion Control From head wall to edge of basin at line RS.

Gypsum Ck

Section A-A (skewed along pipe centerline)

Class III if you got it, with Donifers.

Geotextile

Note: The headwalls have been replaced by deadmen. See Pgs 8 thru 10

3

SEP- 8-97 SAT 16:55 DOTPF MATERIALS, FBKS FAX NO. 907 451 2353 P. 04

DH-119

State of Alaska
Department of Transportation & Public Facilities
Interior Region

Attachment to CO#12
Page 8 of 10

Project No. Gypsum Ck
Project Name
Calc by DEC Date 9/26/97
Checked by Date

Computations

For Concrete Deadman

#5 Rebar, 6" O.C.

Concrete, Class W

#4 Rebar Cage, 18" on center

#5 Rebar, 6" on center, Full length ≈ 9'8"

3" Surface Clearance, all sides.

½" Cable

24" widest Pipe Band Smooth material (metal - Galvanized or stainless steel)

Rebar Eye

48" RPP

#5 Rebar, 6" O.C.

Concrete, Class W

#4 Rebar Cage, 18" O.C.

(optional Nonshrink Grout bed)

Weight ≈ 15 Tons

1.3

DH-119

State of Alaska
Department of Transportation & Public Facilities
Interior Region

Attachment to CO#12
Page 10 of 10

Project No. Glenn 109-1(8)
Project Name
Calc by DEC Date 9/26/97
Checked by Date

Computations

For Gypsum Ck w/ Deadman Outfall

Field Fit - maximize Cover

6:1

48" RPP

12%

outlet invert still @ 530+57.5 RT at Elev = 2645.15

8.5' ±

5'

Concrete Deadman

RipRap Class II min.

* 7'-8'

4'

15:1

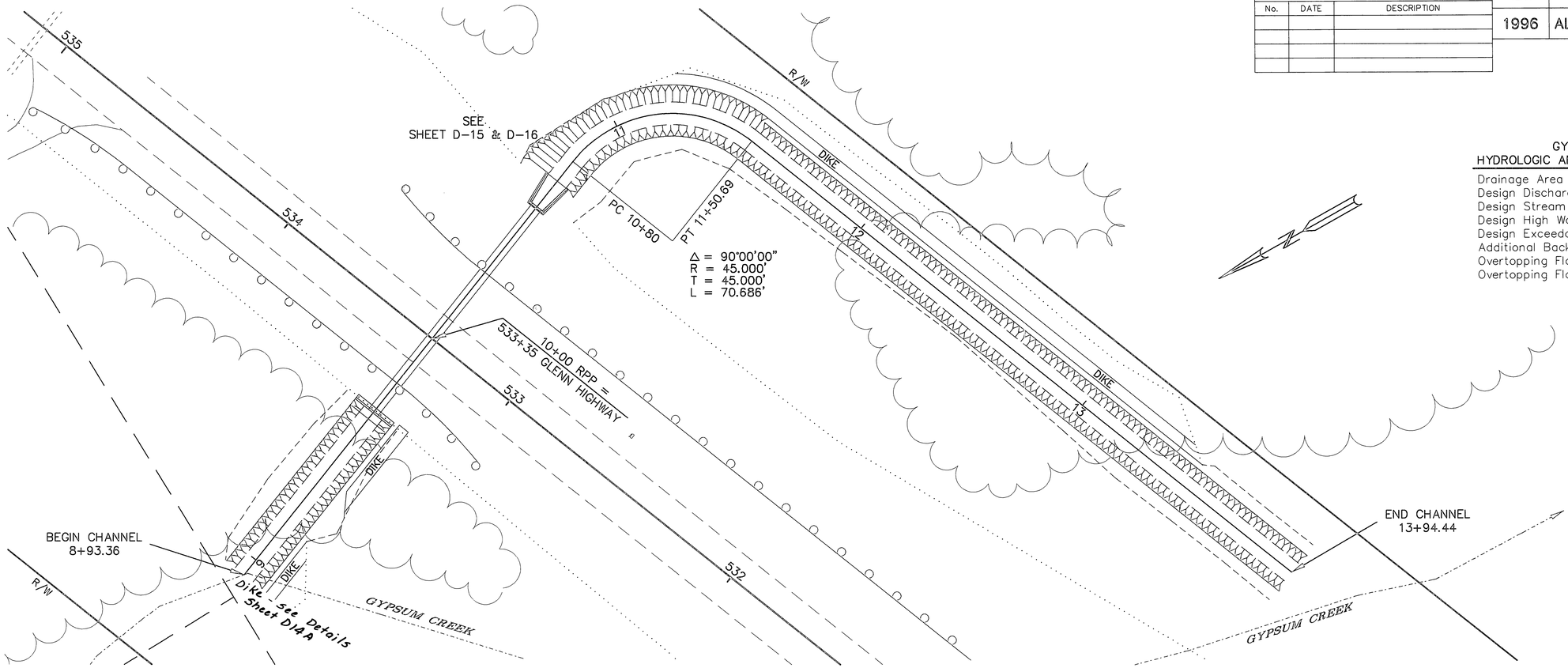
4' RipRap

Geotextile

* Depending on how much pipe overhangs the deadman. (0-12")

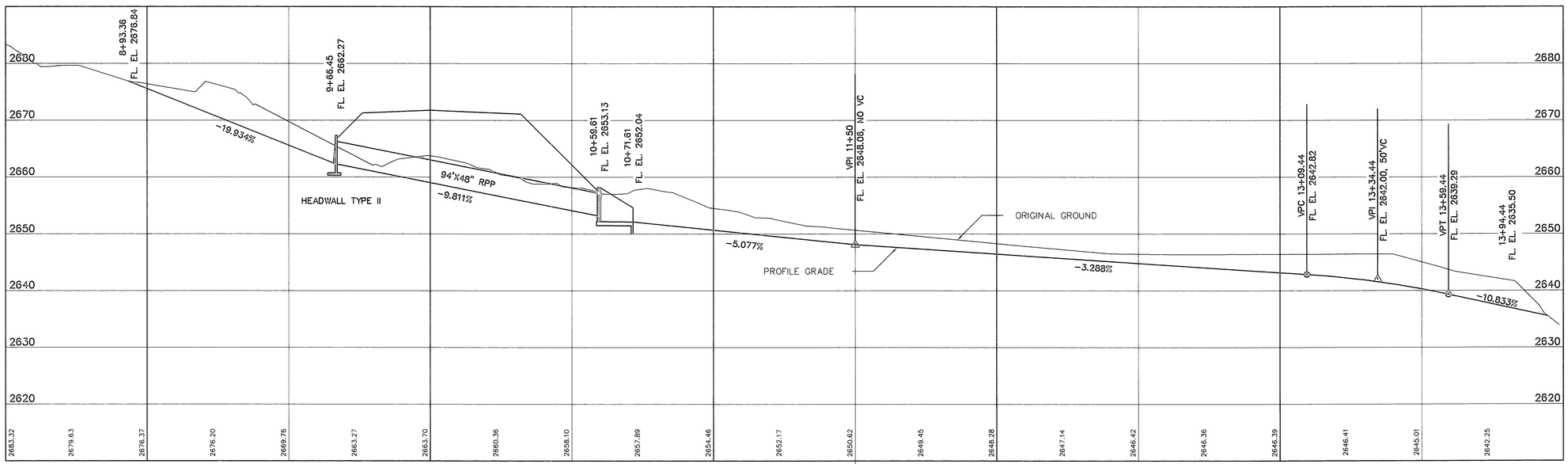
3.3

REVISIONS			YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION					
			1996	ALASKA	IR-0A1-5(4)/56454	D-14	148



GYPSUM CREEK
HYDROLOGIC AND HYDRAULIC SUMMARY

Drainage Area – 0.81 Square Miles
Design Discharge (Q_{50}) – 84 Cubic Feet Per Second
Design Stream Bed Elevation – 2661.31 Feet
Design High Water Elevation – 2665.57 Feet
Design Exceedance Probability – 2 Percent
Additional Backwater (Q_{100}) – 0.63 Feet
Overtopping Flood – 119 Cubic Feet Per Second
Overtopping Flood Exceedance – Less Than 0.5 Percent



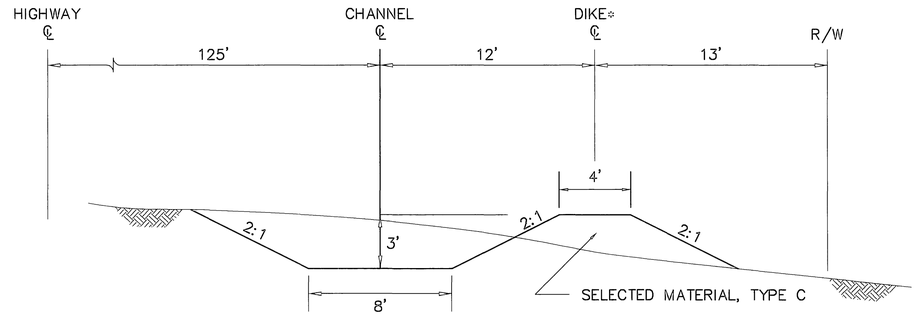
STATE OF ALASKA
49th
G.C. SCHWADERER
CE-1006
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

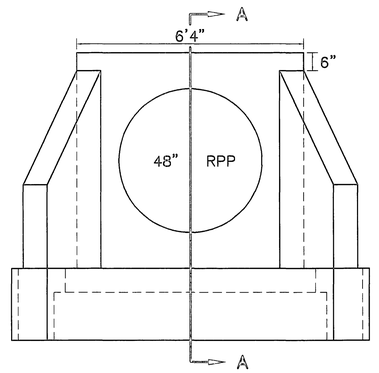
GLENN HIGHWAY
MP 109 TO MP 118

GYPSUM CREEK
DRAINAGE DETAILS

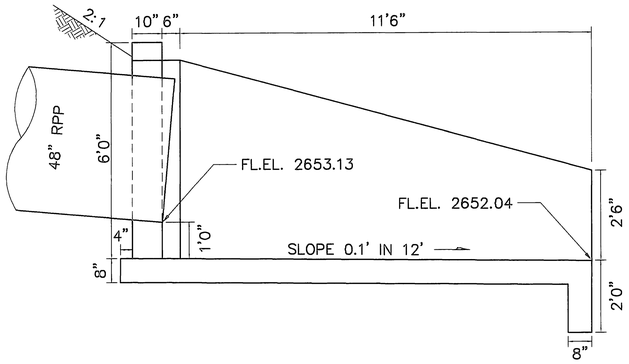
REVISIONS			YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION					
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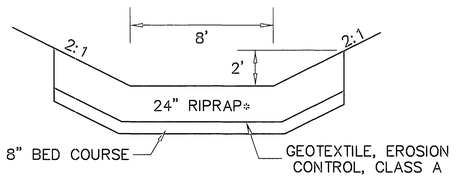
CHANNEL AND DIKE DETAIL



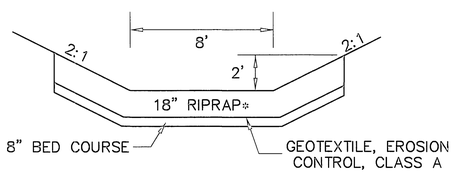
FRONT VIEW



SECTION A-A

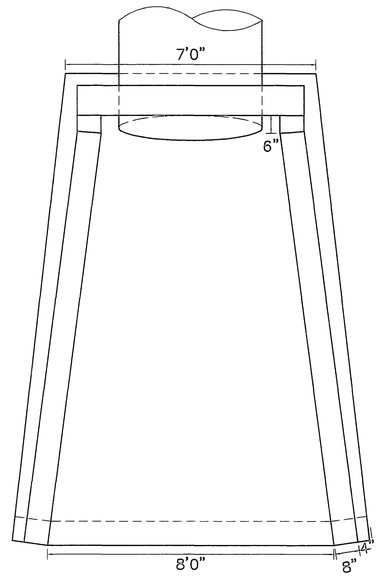


INLET CHANNEL RIPRAP DETAIL



OUTLET CHANNEL RIPRAP DETAIL

ARMOR TO THE TOP OF THE LEFT SLOPE FROM THE END OF THE STRUCTURE TO STATION 11+50 WITH 24" OF CLASS II RIPRAP.



PLAN VIEW

OUTLET HEADWALL DETAIL

*NOTE: USE CLASS II RIPRAP IN INLET CHANNEL, AND CLASS I RIPRAP IN OUTLET CHANNEL. DIKE IS TO BE PLACED ON SOUTH SIDE OF OUTLET CHANNEL AND WEST SIDE OF INLET CHANNEL. DIMENSIONS TO HIGHWAY C/L AND R/W ARE NOT APPLICABLE TO INLET CHANNEL.

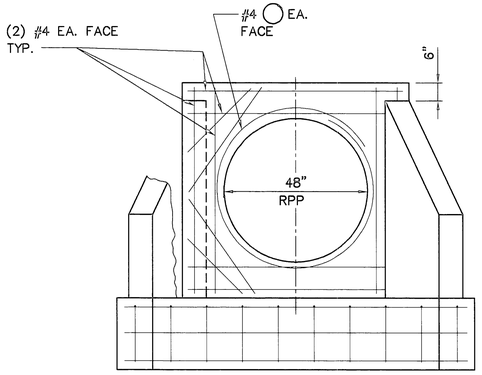


STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

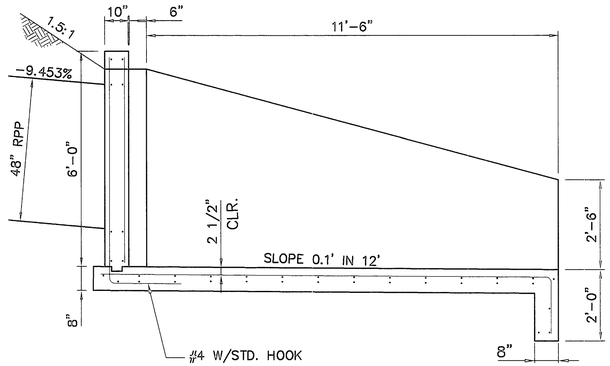
GLENN HIGHWAY
MP 109 TO MP 118

GYPSUM CREEK
DRAINAGE DETAILS

REVISIONS			YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION					
			1996	ALASKA	IR-0A1-5(4)/56454	D-16	148



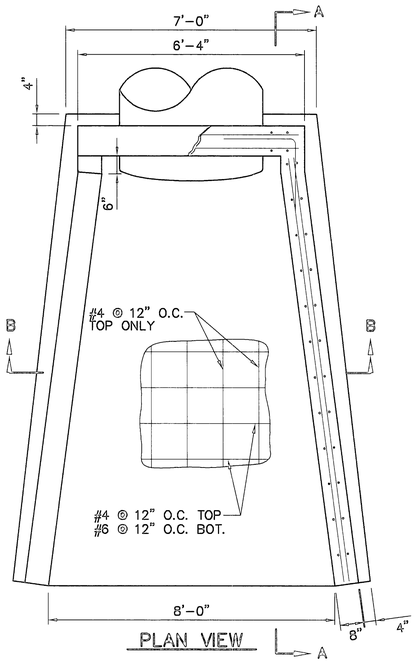
FRONT VIEW



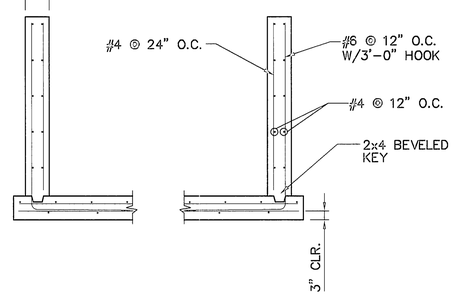
SECTION A-A

NOTES:

1. CONCRETE SHALL BE CLASS A, f"c = 4000 PSI
2. ALL EXPOSED CONCRETE CORNERS SHALL BE CHAMFERED 3/4".
3. REINFORCING STEEL SHALL BE PLACED 2" CLEAR FROM FORMED SURFACES AND 3" CLEAR FROM SOIL SURFACES UNLESS OTHERWISE NOTED.
4. REINFORCING STEEL SHALL BE GRADE 60.
5. ALL #4 DOWELS SHALL BE 3'-0" / 3'-0"
6. LAP ALL #4 BARS 30" MIN.



PLAN VIEW



SECTION B-B

OUTLET HEADWALL DETAIL

STATE OF ALASKA 49TH
William M. Smith
No. 4308-E
REGISTERED PROFESSIONAL ENGINEER
10.9.96

W. M. SMITH SCOPE LIMITED TO DESIGN OF REINFORCING STEEL.

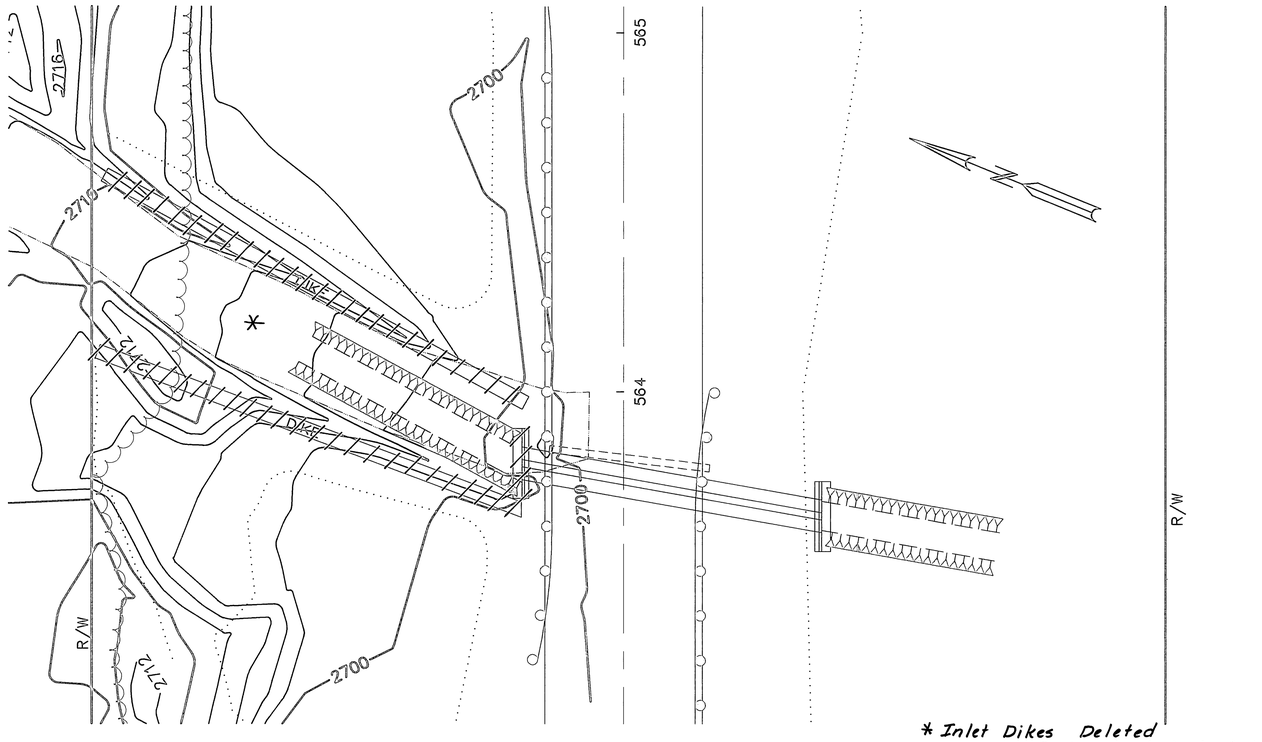
STATE OF ALASKA 49TH
Ted B. Trueblood
CE-4476
REGISTERED PROFESSIONAL ENGINEER
10/9/96

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

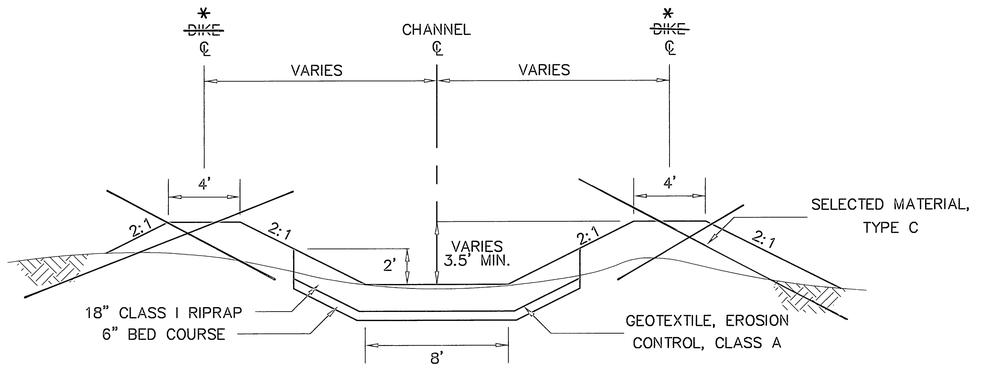
GLENN HIGHWAY
MP 109 TO MP 118

GYPSUM CREEK
DRAINAGE DETAILS

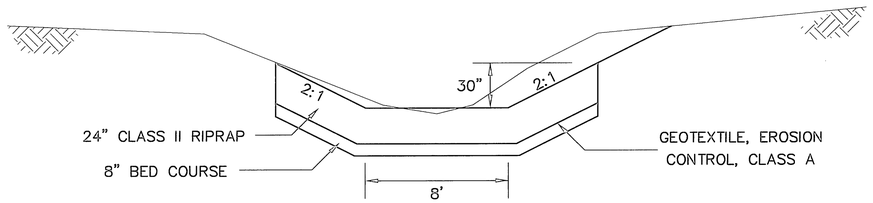
REVISIONS			YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION					
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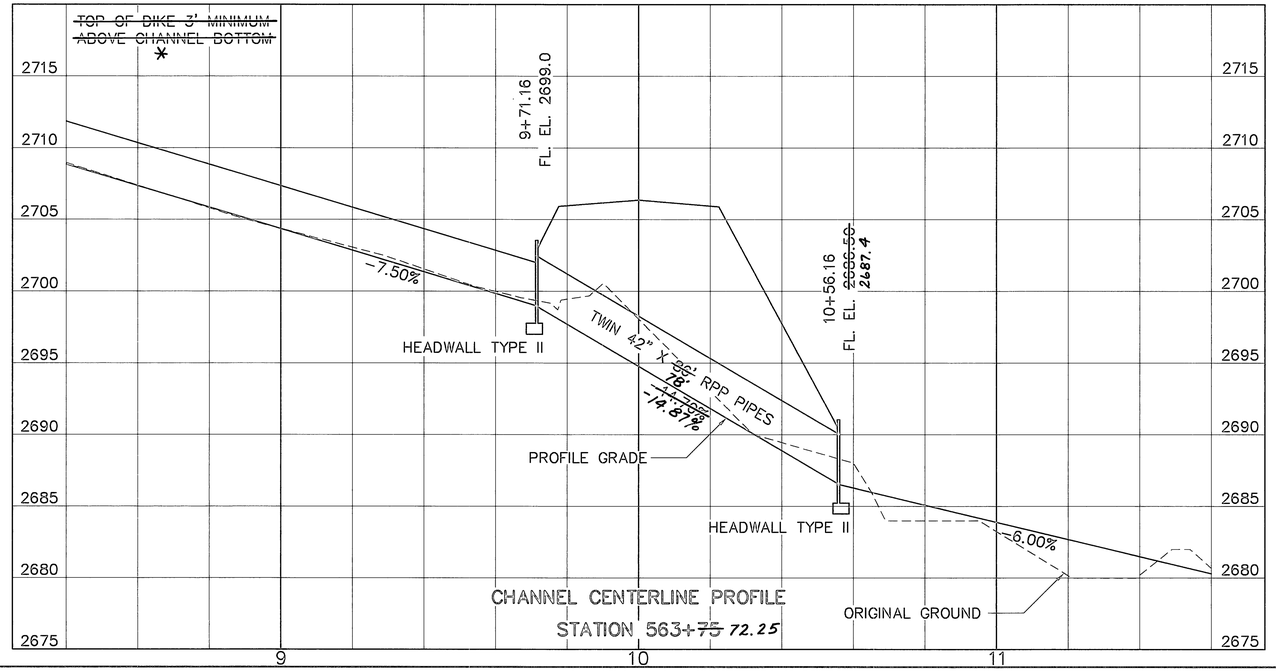
* Inlet Dikes Deleted as per Regional Hydrologist



INLET CHANNEL AND DIKE DETAIL



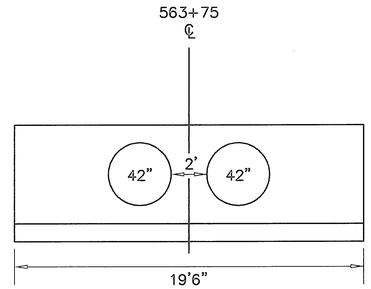
OUTLET CHANNEL DETAIL



CHANNEL CENTERLINE PROFILE
STATION 563+~~75~~ 72.25

CREEK AT STATION 563+75
HYDROLOGIC AND HYDRAULIC SUMMARY

Drainage Area – 1.36 Square Miles
Design Discharge (Q_{50}) – 136 Cubic Feet Per Second
Design Stream Bed Elevation – 2699.00 Feet
Design High Water Elevation – 2703.06 Feet
Design Exceedance Probability – 2 Percent
Additional Backwater (Q_{100}) – 0.60 Feet
Dike Overtopping Flood – 180 Cubic Feet Per Second
Overtopping Flood Exceedance – Less Than 0.5 Percent



MULTIPLE PIPE HEADWALL II DETAIL
NO HOOK BOLTS REQUIRED

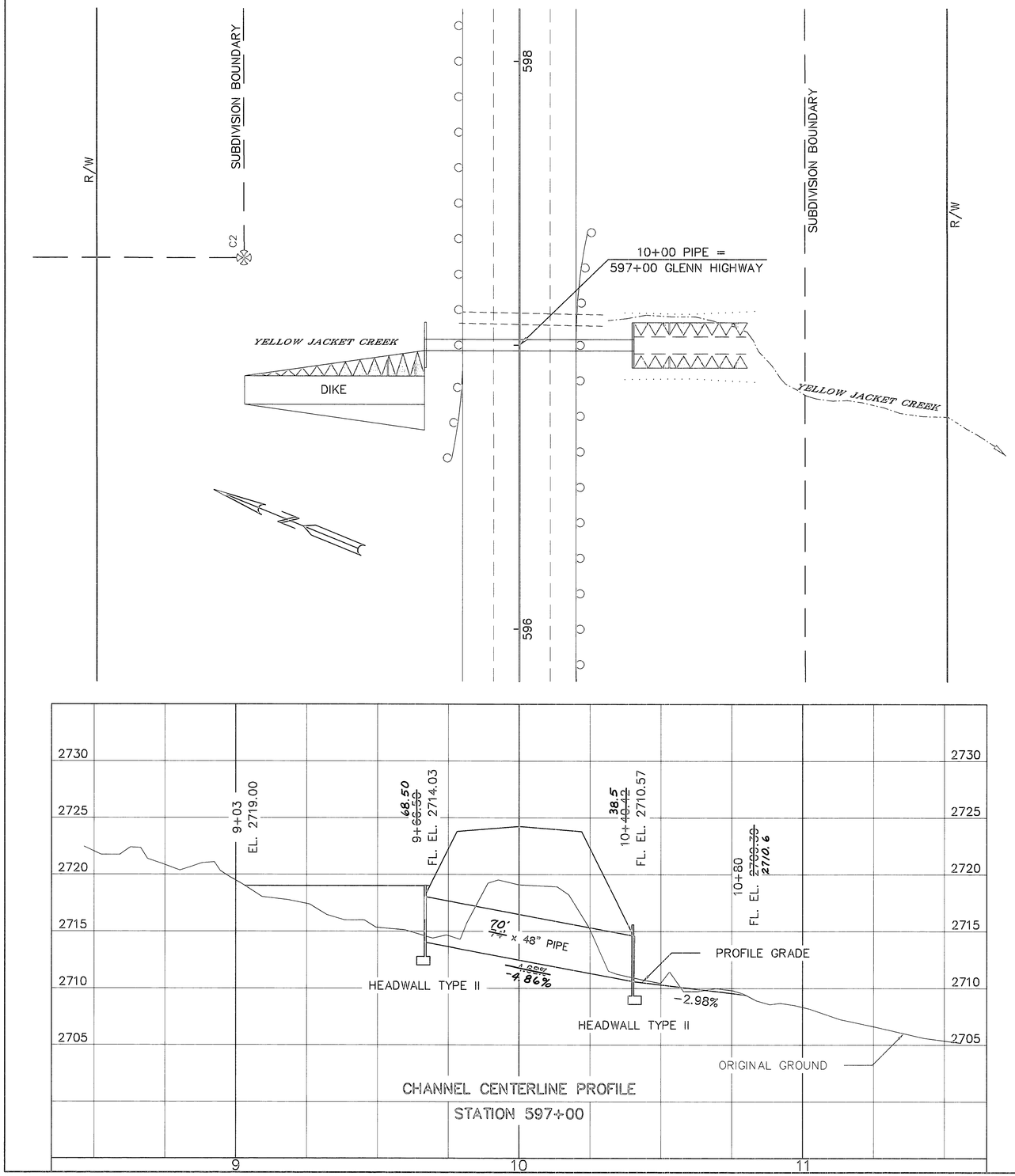
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

GLENN HIGHWAY
MP 109 TO MP 118

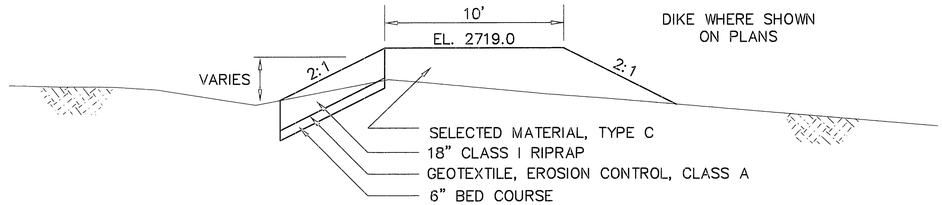
STATION 563+75
DRAINAGE DETAILS

STATE OF ALASKA
49th
G.C. SCHNABERER
CE-1006
REGISTERED PROFESSIONAL ENGINEER

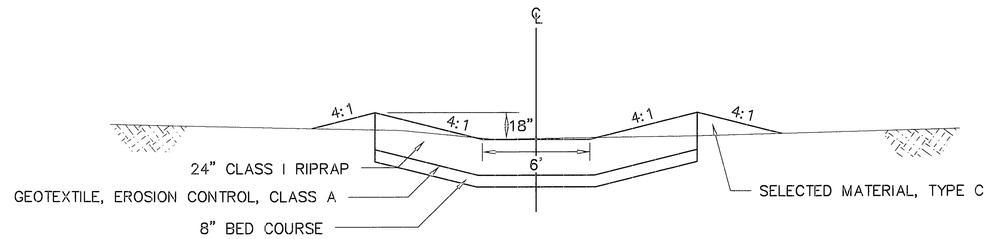
REVISIONS			YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION					
			1996	ALASKA	IR-0A1-5(4)/56454	D-18	148



CHANNEL CENTERLINE PROFILE
STATION 597+00



INLET DIKE DETAIL



OUTLET CHANNEL DETAIL

YELLOW JACKET CREEK
HYDROLOGIC AND HYDRAULIC SUMMARY

Drainage Area – 0.84 Square Miles
Design Discharge (Q_{50}) – 44 Cubic Feet Per Second
Design Stream Bed Elevation – 2714.03 Feet
Design High Water Elevation – 2716.80 Feet
Design Exceedance Probability – 2 Percent
Additional Backwater (Q_{100}) – 0.27 Feet
Overtopping Flood – 98 Cubic Feet Per Second
Overtopping Flood Exceedance at Dike – Less Than 0.2 Percent

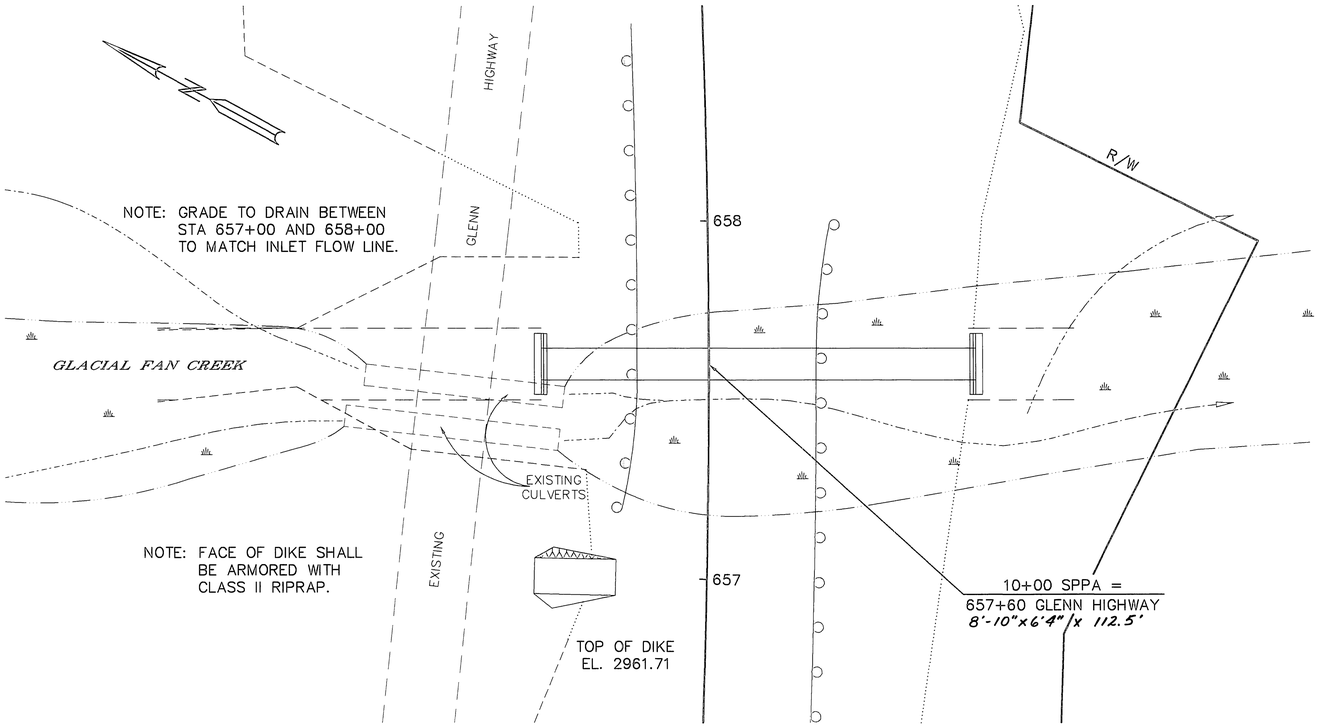
STATE OF ALASKA
49th
G.C. SCHWADERER
CE-1006
REGISTERED PROFESSIONAL ENGINEER

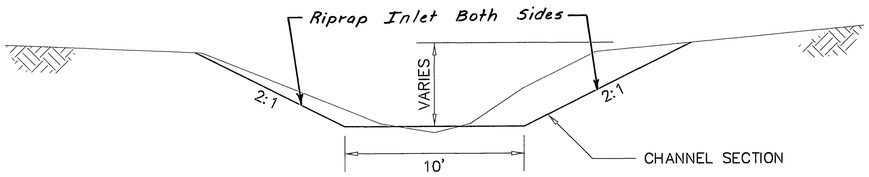
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

GLENN HIGHWAY
MP 109 TO MP 118

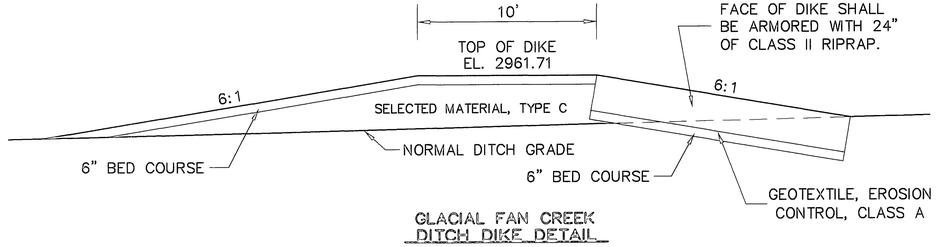
YELLOW JACKET CREEK
DRAINAGE DETAILS

REVISIONS			YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION					
			1996	ALASKA	IR-0A1-5(4)/56454	D-19	148





INLET AND OUTLET CHANNEL DETAIL



GLACIAL FAN CREEK
DITCH DIKE DETAIL

CHANNEL CENTERLINE PROFILE
STATION 657+60

GLACIAL FAN CREEK
HYDROLOGIC AND HYDRAULIC SUMMARY

Drainage Area – 1.49 Square Miles
Design Discharge (Q_{50}) – 142 Cubic Feet Per Second
Design Stream Bed Elevation – 2955.63 Feet
Design High Water Elevation – 2958.82 Feet
Design Exceedance Probability – 2 Percent
Additional Backwater (Q_{100}) – 0.31 Feet
Overtopping Flood – 335 Cubic Feet Per Second
Overtopping Flood Exceedance – Less Than 0.2 Percent

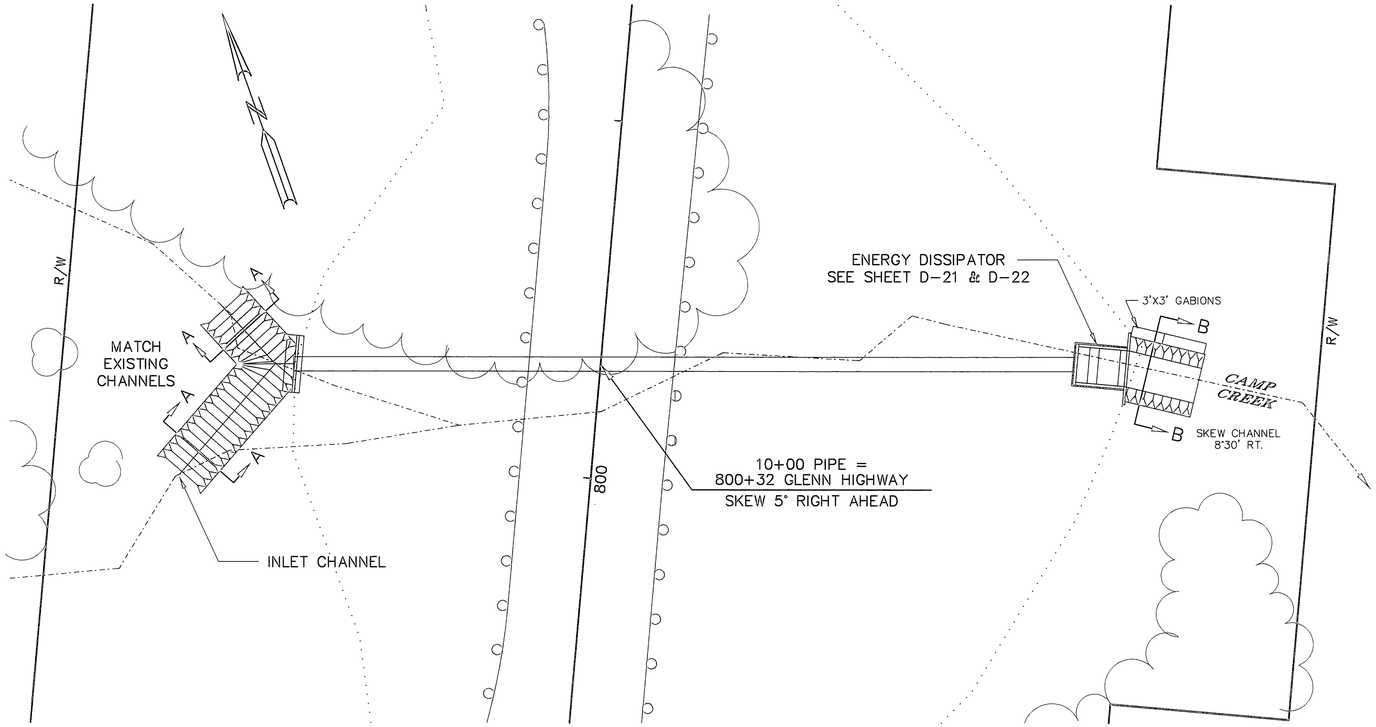
STATE OF ALASKA
49th
G.C. SCHWADERER
CE-1006
REGISTERED PROFESSIONAL ENGINEER

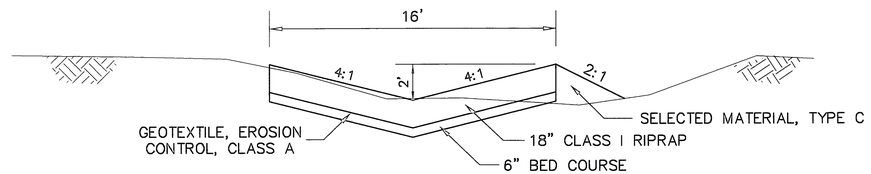
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

GLENN HIGHWAY
MP 109 TO MP 118

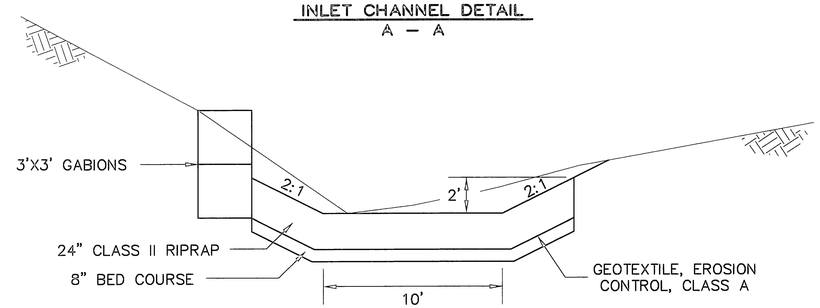
GLACIAL FAN CREEK
DRAINAGE DETAILS

REVISIONS			YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION					
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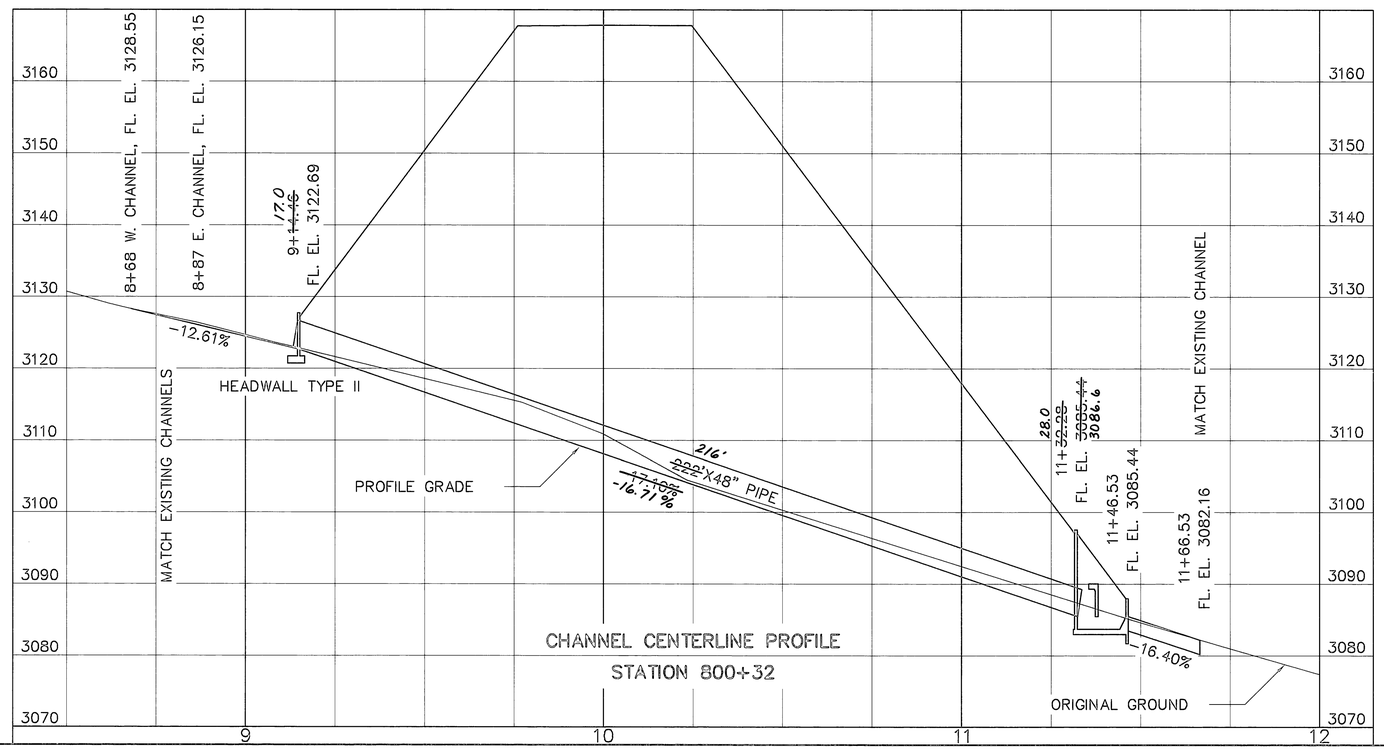




INLET CHANNEL DETAIL
A – A



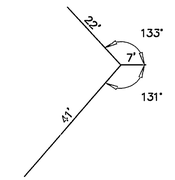
OUTLET CHANNEL DETAIL
B – B



CHANNEL CENTERLINE PROFILE
STATION 800+32

3'X3'X9'	3'X3'X12'
3'X3'X12'	3'X3'X9'

GABION ELEVATION DETAIL



INLET CHANNEL
ALIGNMENT DETAIL

CAMP CREEK
HYDROLOGIC AND HYDRAULIC SUMMARY

Drainage Area – 1.81 Square Miles
Design Discharge (Q_{50}) – 83 Cubic Feet Per Second
Design Stream Bed Elevation – 3122.38 Feet
Design High Water Elevation – 3126.44 Feet
Design Exceedance Probability – 2 Percent
Additional Backwater (Q_{100}) – 0.53 Feet
Overtopping Flood – 385 Cubic Feet Per Second
Overtopping Flood Exceedance – Less Than 0.2 Percent

STATE OF ALASKA
49th
G.C. SCHWADERER
CE-1006
REGISTERED PROFESSIONAL ENGINEER

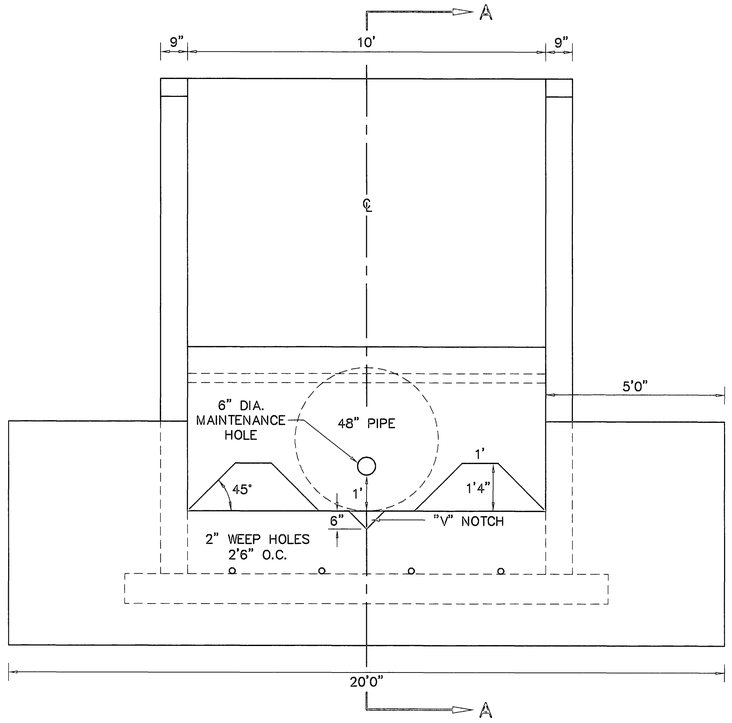
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

GLENN HIGHWAY
MP 109 TO MP 118

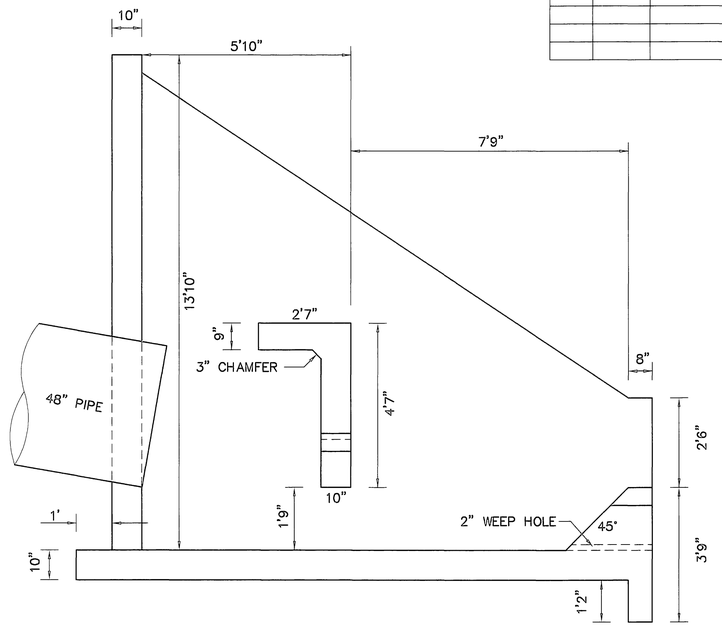
CAMP CREEK
DRAINAGE DETAILS

G109-D20 – 10/07/96

REVISIONS			YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION					
			1996	ALASKA	IR-0A1-5(4)/56454	D-21	148

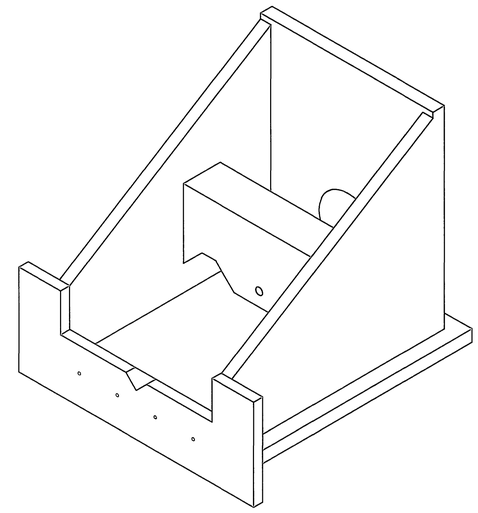


FRONT VIEW



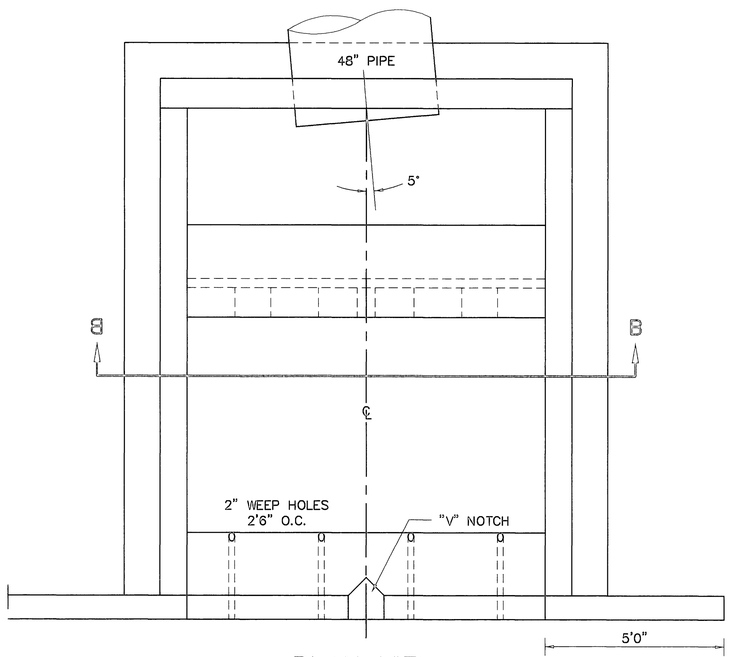
SECTION VIEW A-A

See Sheet D-22
for Cover and Reinforcement Changes

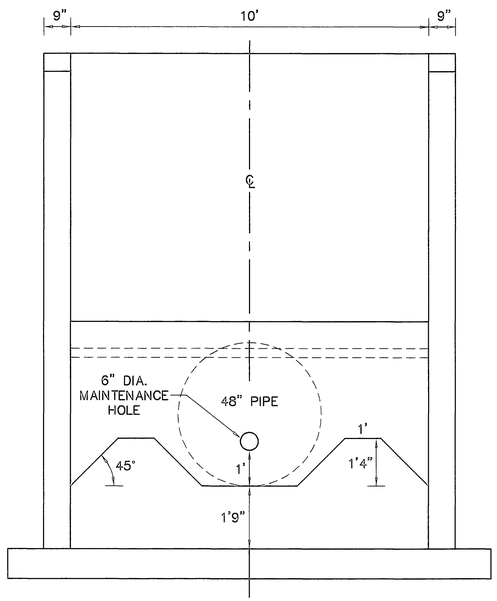


ISOMETRIC VIEW

NTS



PLAN VIEW



SECTION VIEW B-B

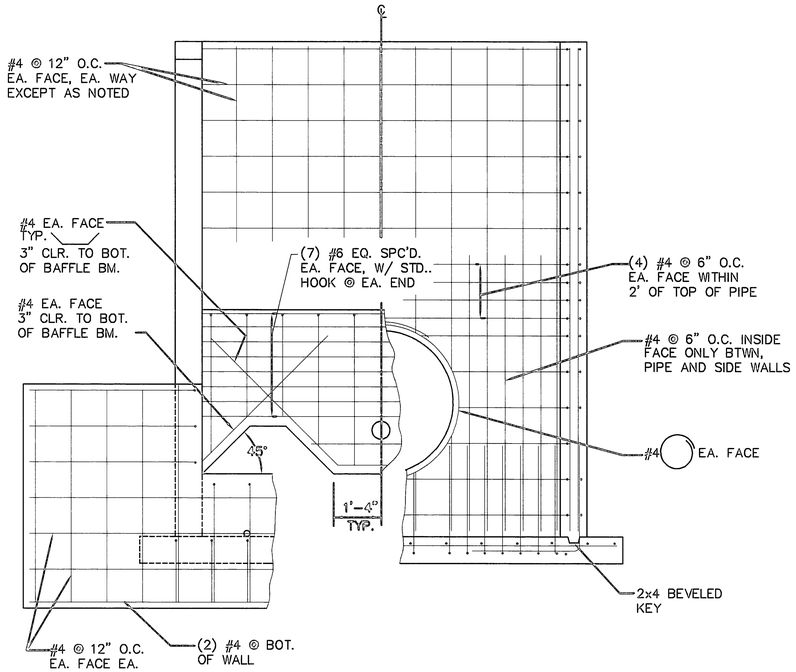


STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

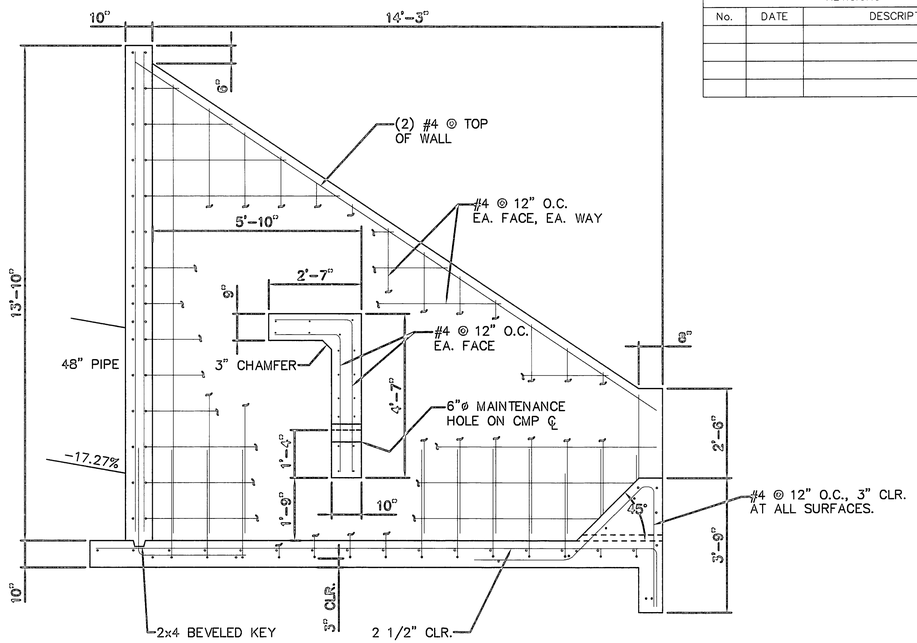
GLENN HIGHWAY
MP 109 TO MP 118
CAMP CREEK CULVERT
BAFFLE BEAM ENERGY DISSIPATOR DETAILS

REVISIONS		
No.	DATE	DESCRIPTION

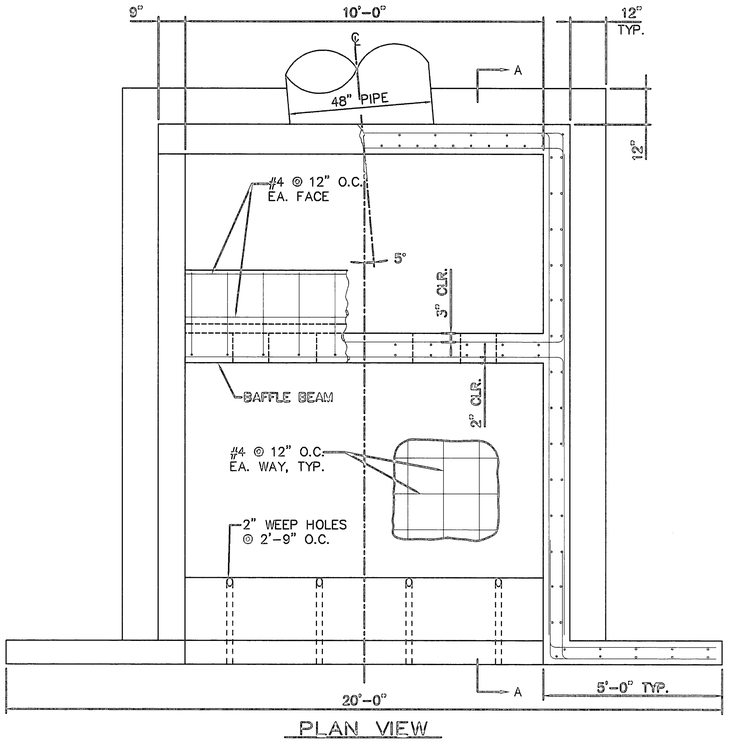
YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
1996	ALASKA	IR-0A1-5(4)/56454	D-22	148



FRONT VIEW



SECTION VIEW A-A



PLAN VIEW

NOTES:

1. CONCRETE SHALL BE CLASS A, f'c = 4000 PSI
2. ALL EXPOSED CONCRETE CORNERS SHALL BE CHAMFERED 3/4".
3. REINFORCING STEEL SHALL BE PLACED 2" CLEAR FROM FORMED SURFACES AND 3" CLEAR FROM SOIL SURFACES UNLESS OTHERWISE NOTED.
4. REINFORCING STEEL SHALL BE GRADE 60.
5. ALL #4 DOWELS SHALL BE 3'-0" / 3'-0"
6. LAP ALL #4 BARS 30" MIN.

STATE OF ALASKA
491H
William M. Smith
No. 4308-F
10.9.96
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
491H
Ted B. Trueblood
CE-4476
10/9/96
REGISTERED PROFESSIONAL ENGINEER

W. M. SMITH SCOPE LIMITED TO DESIGN OF REINFORCING STEEL.

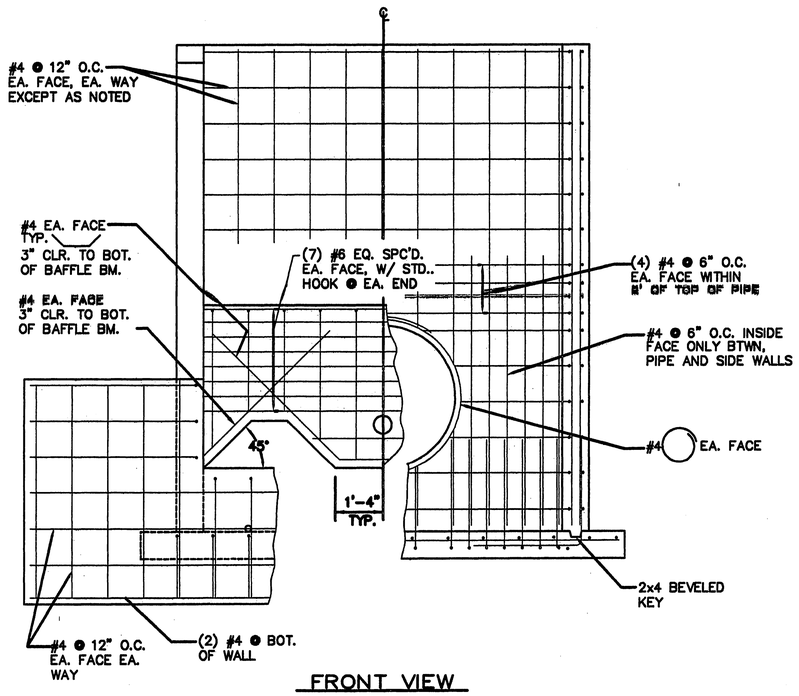
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

GLENN HIGHWAY
MP 109 TO MP 118
CAMP CREEK CULVERT BAFFLE BEAM ENERGY DISSIPATOR DETAILS

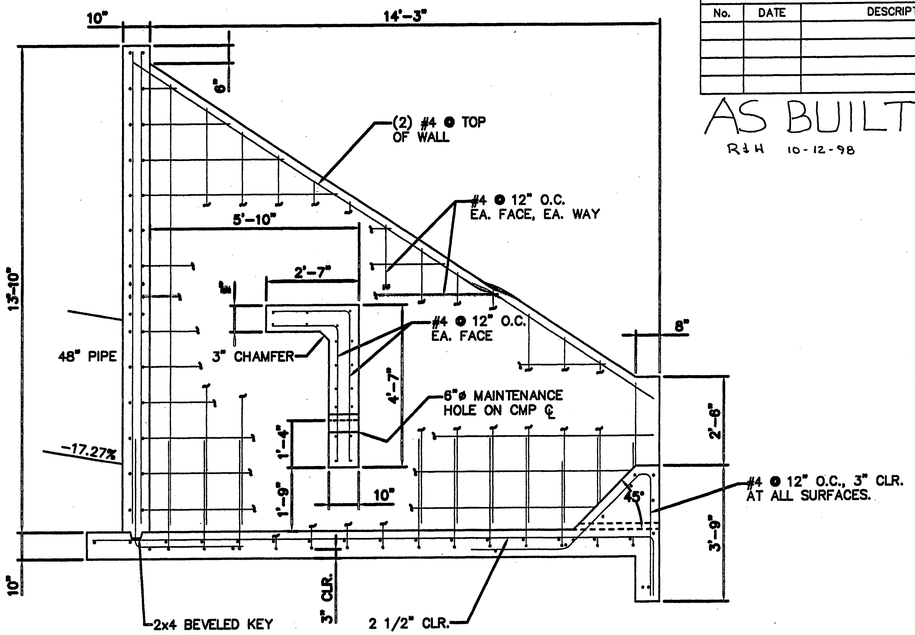
REVISIONS		
No.	DATE	DESCRIPTION

YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
1996	ALASKA	IR-0A1-5(4)/56454	D-22	148

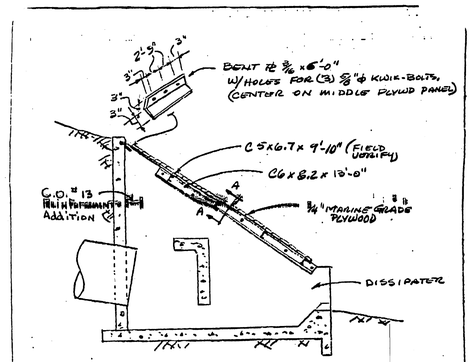
AS BUILT
R&H 10-12-98



FRONT VIEW



SECTION VIEW A-A

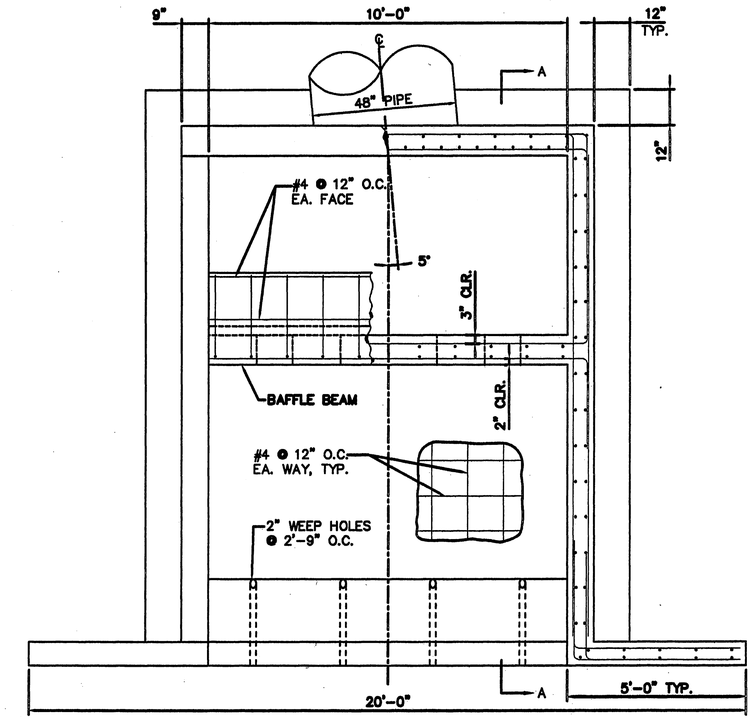


SECTION THROUGH DISSIPATOR
1/4"=1'-0"

CHANGE ORDER #20 Energy Dissipator Cover Addition

- ALL STEEL SHALL BE GALV. A-36.
- ALL FASTENERS & WASHERS SHALL BE GALVANIZED.
- PLYWOOD SHALL BE MARINE GRADE.

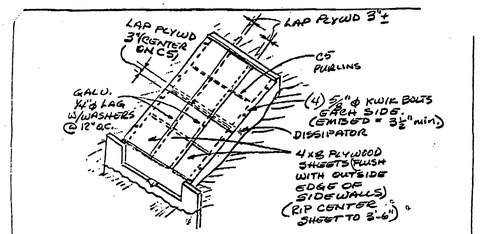
DES. WMS	DATE 6.15.98	TRYCK NYMAN HAYES, INC.	GLENN HIGHWAY MP 109 TO MP 118 ENERGY DISSIPATOR COVER
CHK.	DATE		FS-1
F.B.	SHEET OF		
JOB NO.	SCALE		



PLAN VIEW

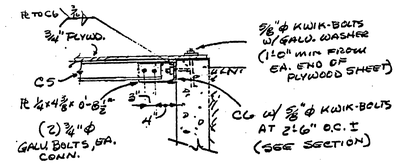
NOTES:

1. CONCRETE SHALL BE CLASS A, f'c = 4000 PSI
2. ALL EXPOSED CONCRETE CORNERS SHALL BE CHAMFERED 3/4".
3. REINFORCING STEEL SHALL BE PLACED 2" CLEAR FROM FORMED SURFACES AND 3" CLEAR FROM SOIL SURFACES UNLESS OTHERWISE NOTED.
4. REINFORCING STEEL SHALL BE GRADE 60.
5. ALL #4 DOWELS SHALL BE 3'-0" / 3'-0"
6. LAP ALL #4 BARS 30" MIN.



ISOMETRIC PLAN
NO SCALE

CHANGE ORDER #20 Energy Dissipator Cover



SECTION A-A
3/4"=1'-0"

SEE FS-1 FOR NOTES.

DES. WMS	DATE 6.15.98	TRYCK NYMAN HAYES, INC.	GLENN HIGHWAY MP 109 TO MP 118 ENERGY DISSIPATOR COVER
CHK.	DATE		FS-2
F.B.	SHEET OF		
JOB NO.	SCALE		

STATE OF ALASKA
49TH
William M. Smith
No. 4308-E
REGISTERED PROFESSIONAL ENGINEER
10/9/96

STATE OF ALASKA
49TH
Ted B. Trueblood
CE-4478
REGISTERED PROFESSIONAL ENGINEER
10/9/96

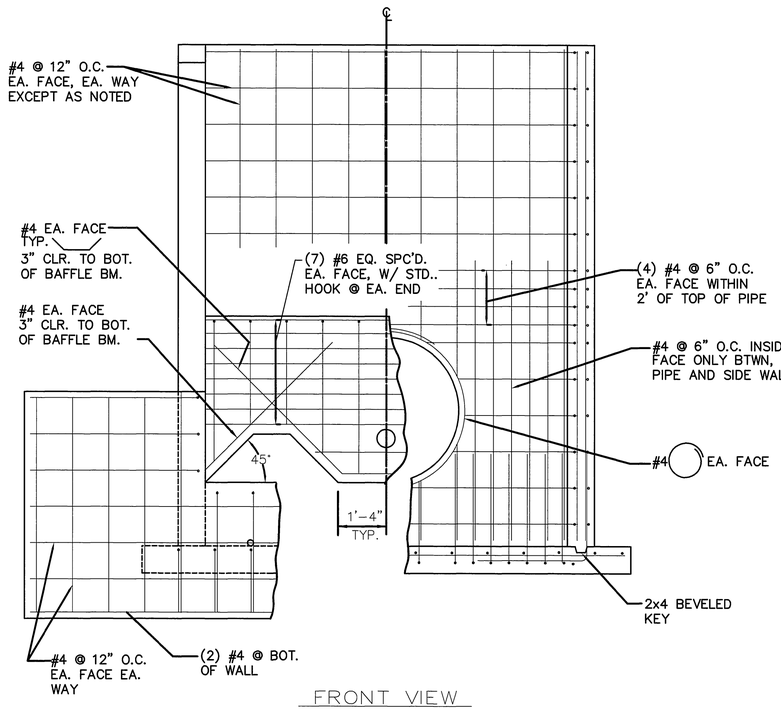
W. M. SMITH SCOPE LIMITED TO DESIGN OF REINFORCING STEEL.

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

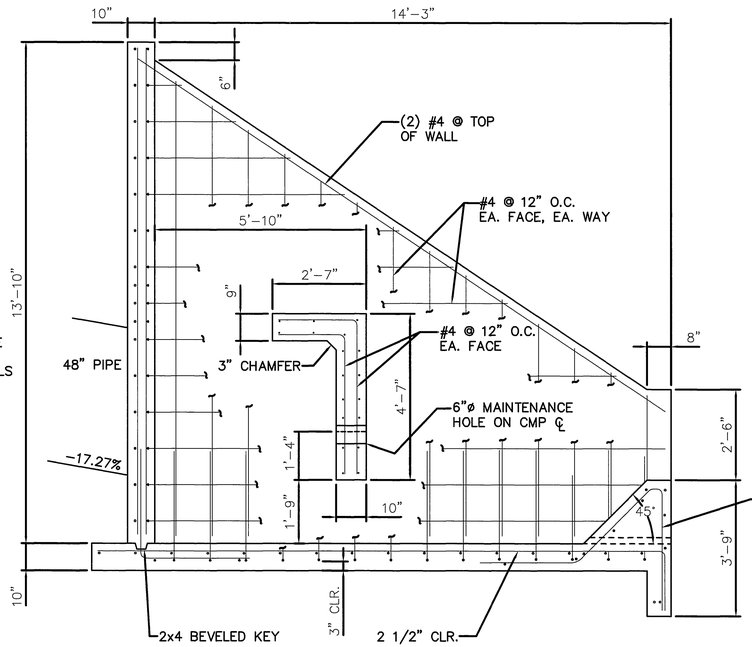
GLENN HIGHWAY
MP 109 TO MP 118
CAMP CREEK CULVERT
BAFFLE BEAM ENERGY
DISSIPATOR DETAILS

REVISIONS		
No.	DATE	DESCRIPTION

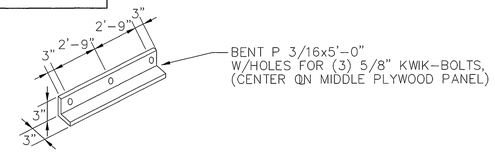
YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
1996	ALASKA	IR-0A1-5(4)/56454	D-22	148

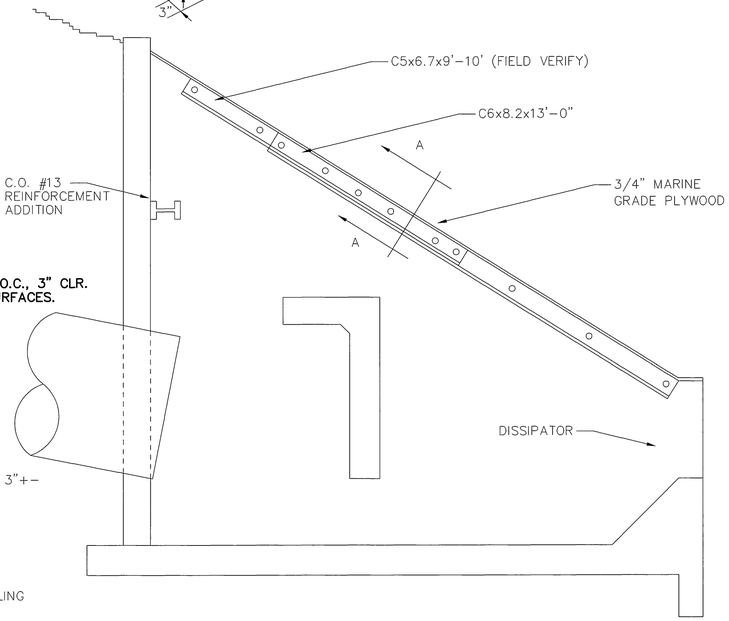


FRONT VIEW

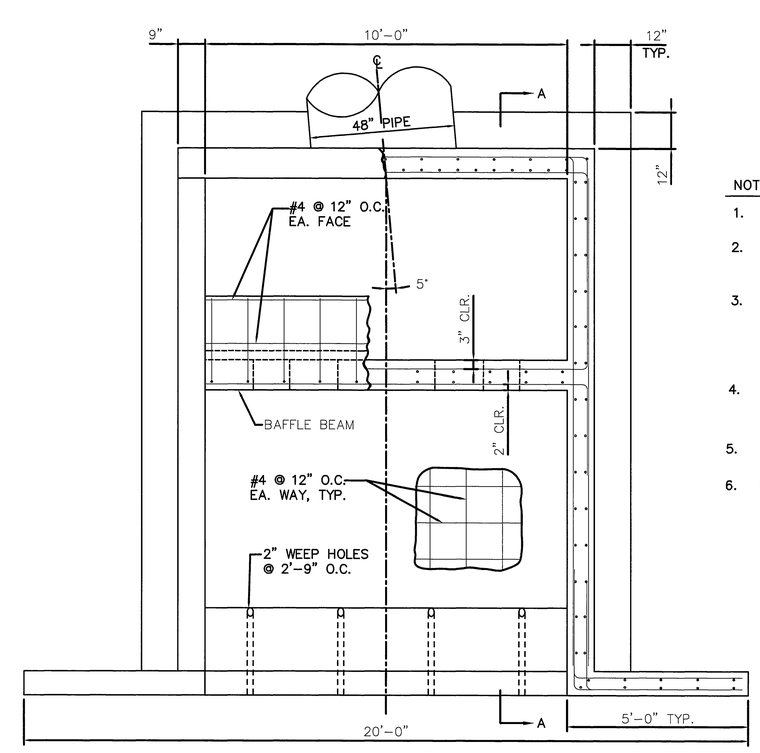


SECTION VIEW A-A





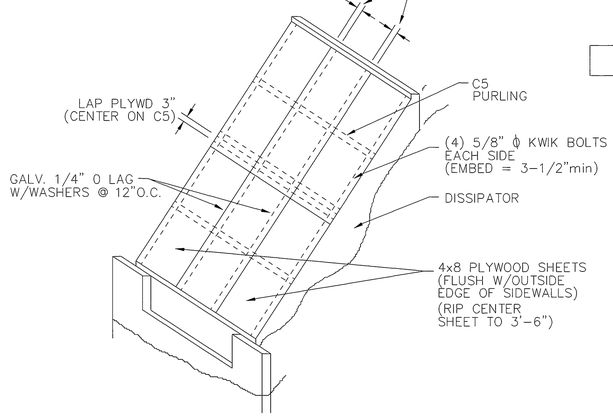
SECTION THROUGH DISSIPATOR



PLAN VIEW

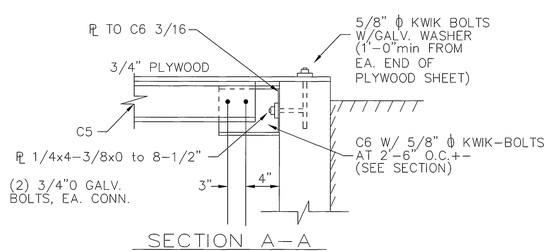
NOTES:

1. CONCRETE SHALL BE CLASS A, f'c = 4000 PSI
2. ALL EXPOSED CONCRETE CORNERS SHALL BE CHAMFERED 3/4".
3. REINFORCING STEEL SHALL BE PLACED 2" CLEAR FROM FORMED SURFACES AND 3" CLEAR FROM SOIL SURFACES UNLESS OTHERWISE NOTED.
4. REINFORCING STEEL SHALL BE GRADE 60.
5. ALL #4 DOWELS SHALL BE 3'-0" / 3'-0"
6. LAP ALL #4 BARS 30" MIN.



ISOMETRIC PLAN

CHANGE ORDER #20 ENERGY DISSIPATOR COVER ADDITION



SECTION A-A

CHANGE ORDER #20 ENERGY DISSIPATOR COVER ADDITION

- ALL STEEL SHALL BE GALV. A-36
- ALL FASTENERS AND WASHERS SHALL BE GALVANIZED
- PLYWOOD SHALL BE MARINE GRADE

STATE OF ALASKA 49TH — William M. Smith No. 4308-E — REGISTERED PROFESSIONAL ENGINEER

W. M. SMITH SCOPE LIMITED TO DESIGN OF REINFORCING STEEL.

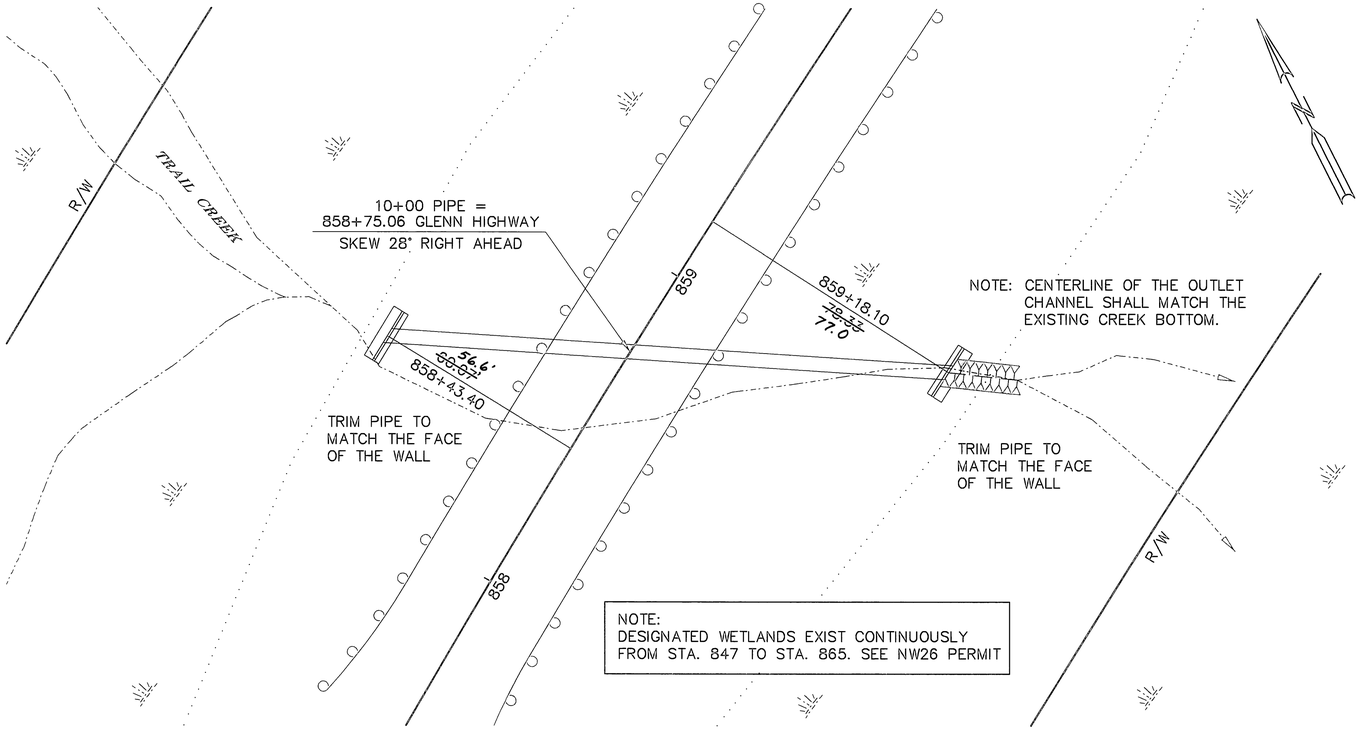
STATE OF ALASKA 49TH — Ted B. Trueblood CE-4476 — REGISTERED PROFESSIONAL ENGINEER

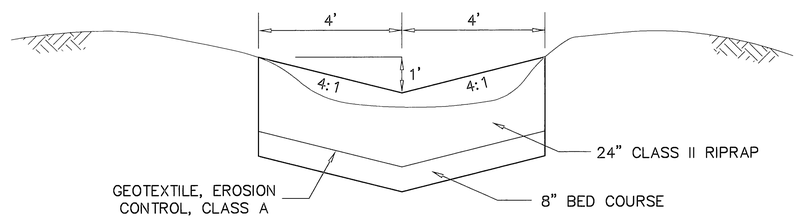
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

GLENN HIGHWAY
MP 109 TO MP 118

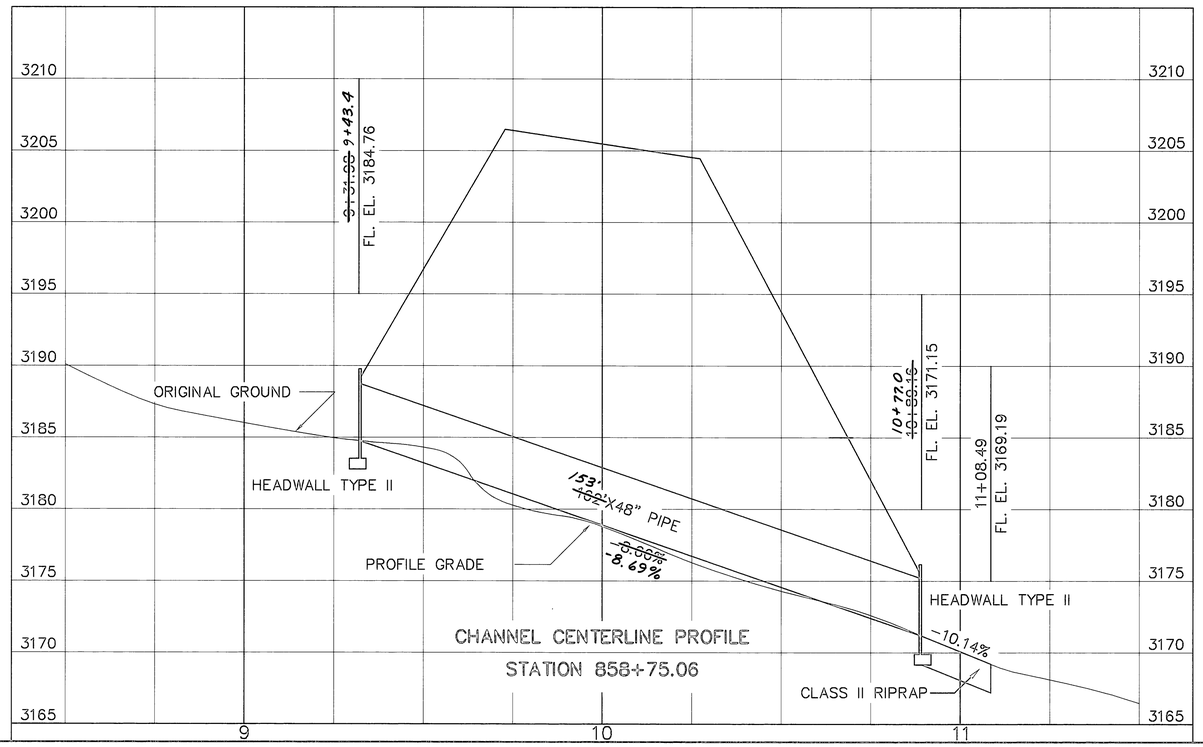
CAMP CREEK CULVERT
BAFFLE BEAM ENERGY
DISSIPATOR DETAILS

REVISIONS			YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION					
			1996	ALASKA	IR-0A1-5(4)/56454	D-23	148





OUTLET CHANNEL DETAIL



TRAIL CREEK
HYDROLOGIC AND HYDRAULIC SUMMARY

Drainage Area – 0.47 Square Miles
Design Discharge (Q_{50}) – 28 Cubic Feet Per Second
Design Stream Bed Elevation – 3183.63 Feet
Design High Water Elevation – 3185.53 Feet
Design Exceedance Probability – 2 Percent
Additional Backwater (Q_{100}) – 0.17 Feet
Overtopping Flood – 229 Cubic Feet Per Second
Overtopping Flood Exceedance – Less Than 0.2 Percent

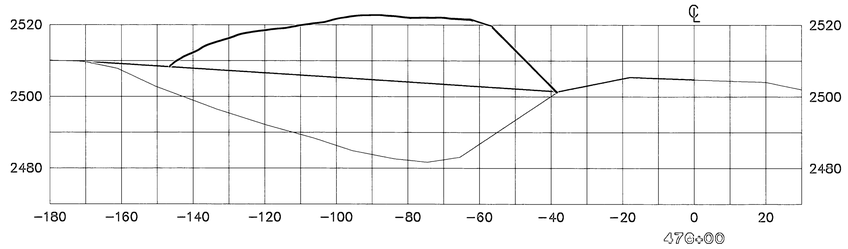
STATE OF ALASKA
49th
G.C. SCHWADERER
CE-1005
REGISTERED PROFESSIONAL ENGINEER

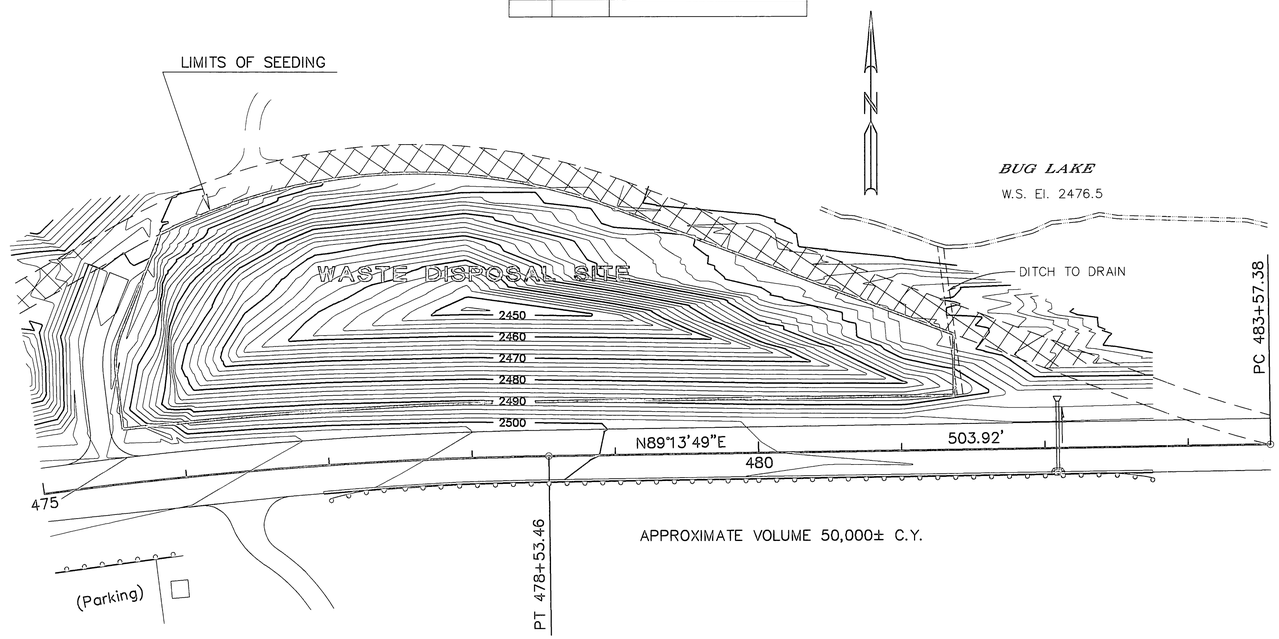
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

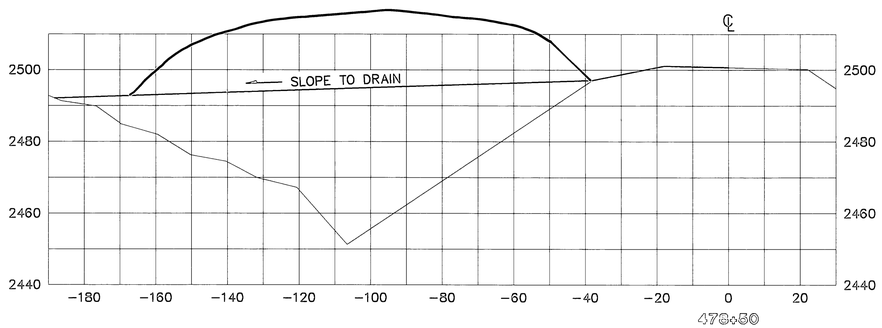
GLENN HIGHWAY
MP 109 TO MP 118

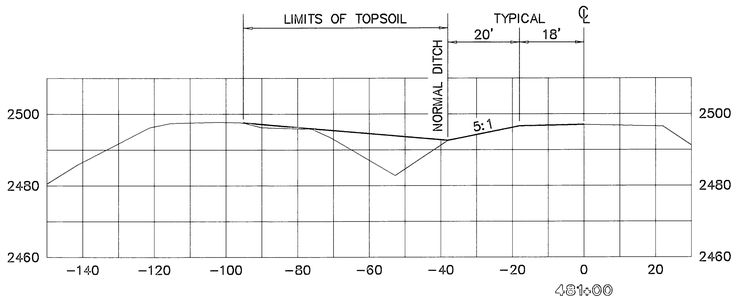
TRAIL CREEK
DRAINAGE DETAILS

REVISIONS			YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION					
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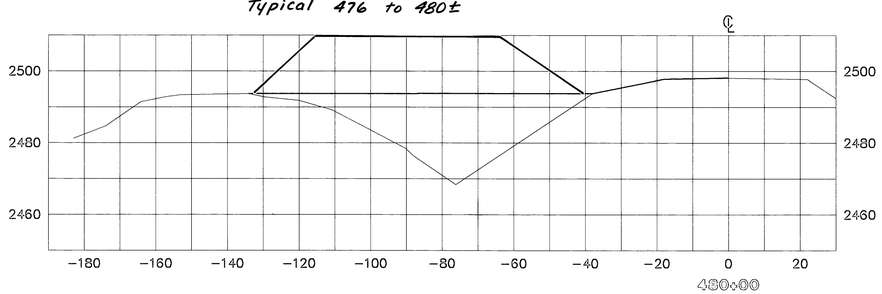








Estimated - Not to Scale
Typical 476 to 480±



STATE OF ALASKA
49TH
Ted B. Trueblood
CE-4476
10/9/96
REGISTERED PROFESSIONAL ENGINEER

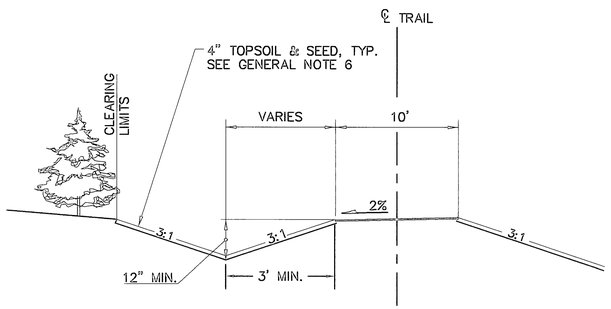
STATE OF ALASKA
49th
G.C. SCHWADERER
CE-1005
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

GLENN HIGHWAY
MP 109 TO MP 118

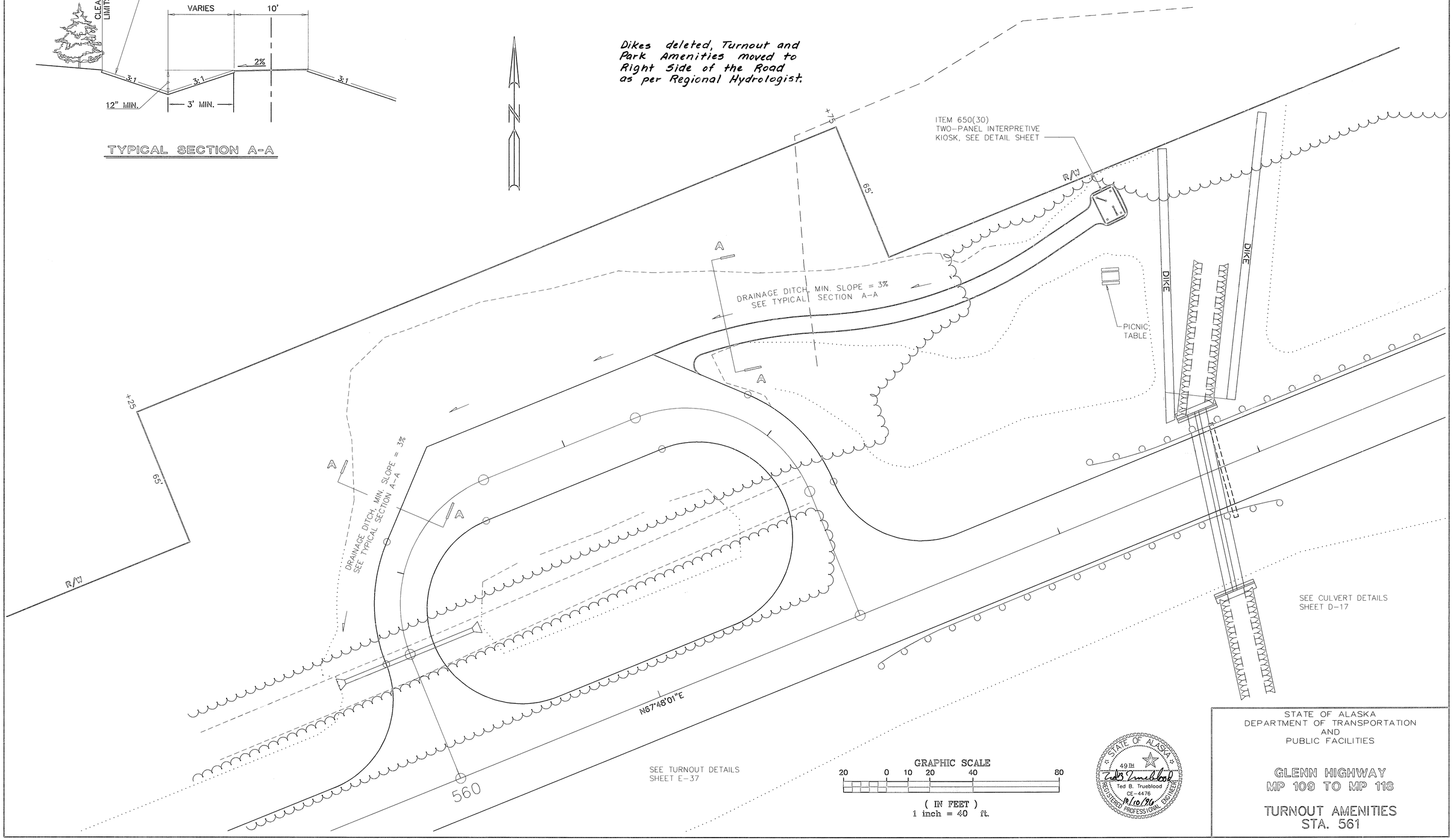
WASTE DISPOSAL SITE

REVISIONS			YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION					
			1996	ALASKA	IR-0A1-5(4)/56454	D-25	148



TYPICAL SECTION A-A

Dikes deleted, Turnout and Park Amenities moved to Right Side of the Road as per Regional Hydrologist.



GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 40 ft.

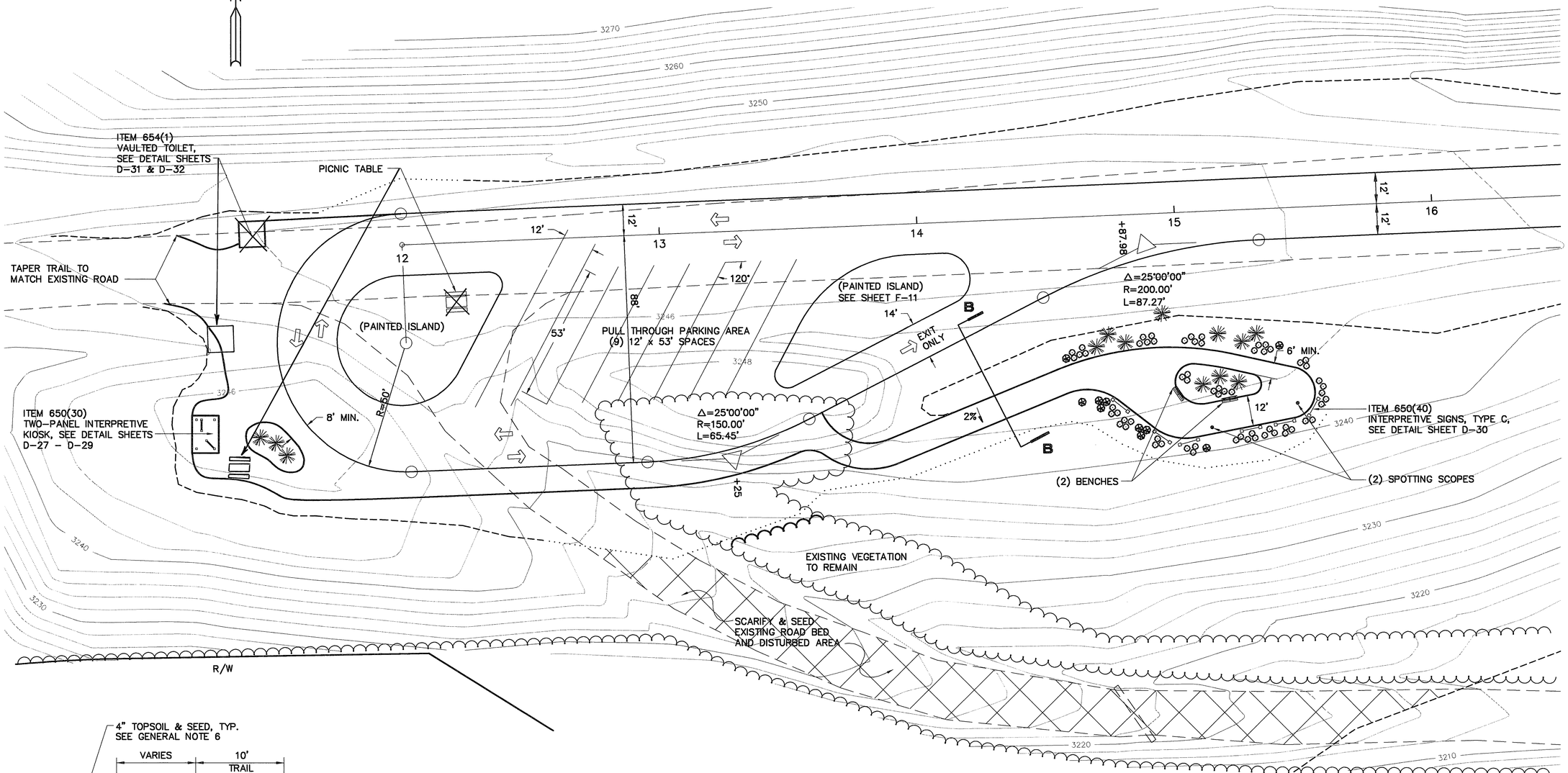
STATE OF ALASKA
49TH
Ted B. Trueblood
CE-4476
REGISTERED PROFESSIONAL ENGINEER
9/10/96

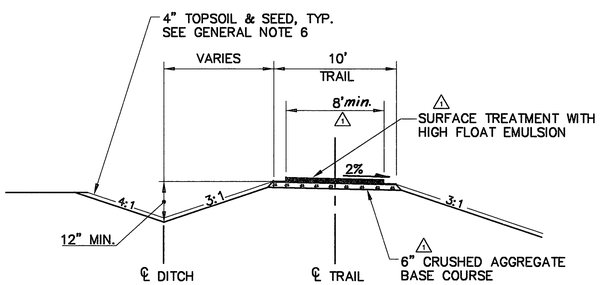
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

GLENN HIGHWAY
MP 109 TO MP 118

TURNOUT AMENITIES
STA. 561

REVISIONS			YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION					
1	12/18/96	SURFACE TREATMENT AND BASE COURSE	1996	ALASKA	IR-0A1-5(4)/56454	D-26	148
			ATTACHMENT NO. 6				
			ADDENDUM NO. 2				





TYPICAL SECTION B-B
RAPTOR VIEWING SITE

LEGEND / PLANT SCHEDULE

	13	Picea glauca	WHITE SPRUCE	3-4' HT.
	62	Potentilla fruticosa	ARCTIC ROSE	6-12" HT.
	10	Rosa acicularis	PRICKLY ROSE	12-18" HT.
	2	BENCH		
	2	SPOTTING SCOPE		
	6	INTERPRETIVE SIGN, TYPE C		

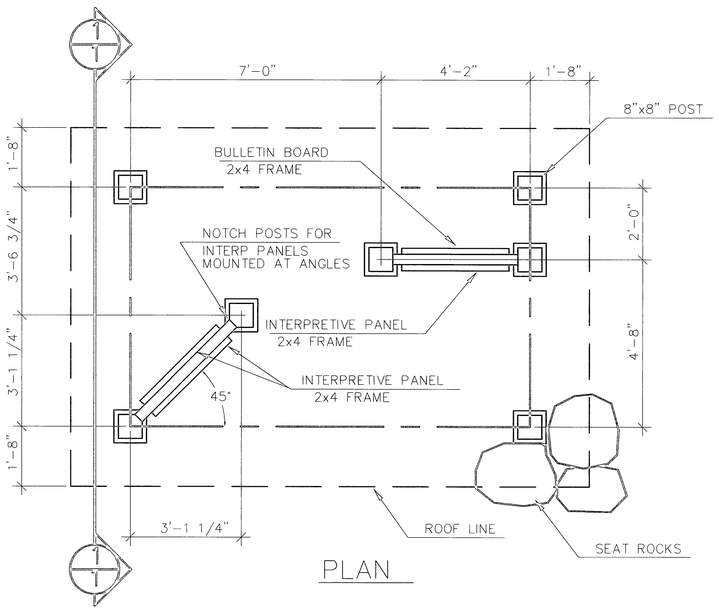
STATE OF ALASKA
Ted B. Trueblood
CE-4476
12/19/96
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

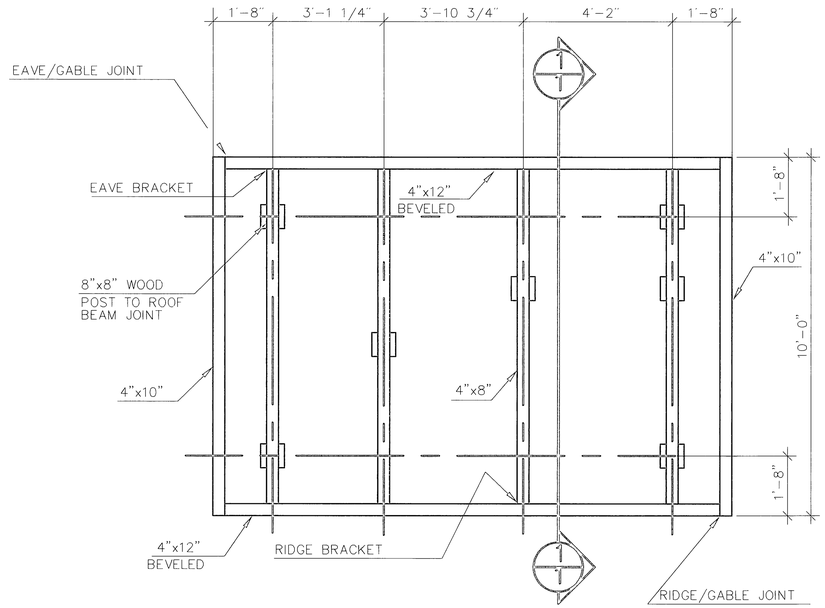
GLENN HIGHWAY
MP 109 TO MP 118

RAPTOR VIEWING SITE
DETAILS

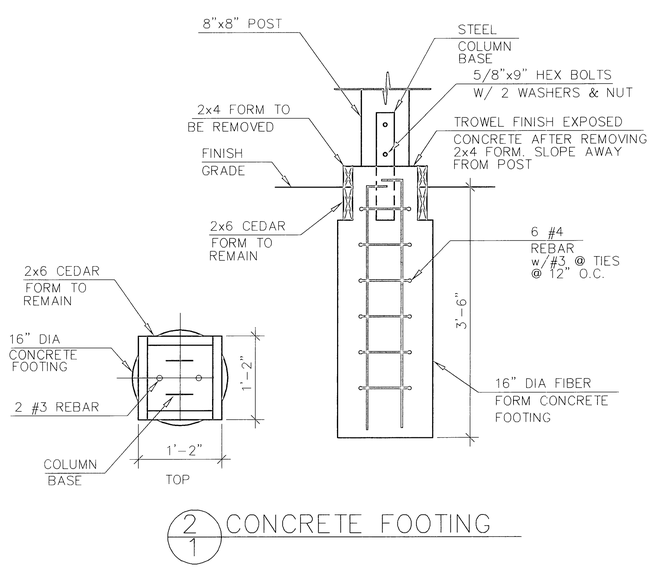
YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
1996	ALASKA	IR-0A1-5(4)/56454	D-27	148



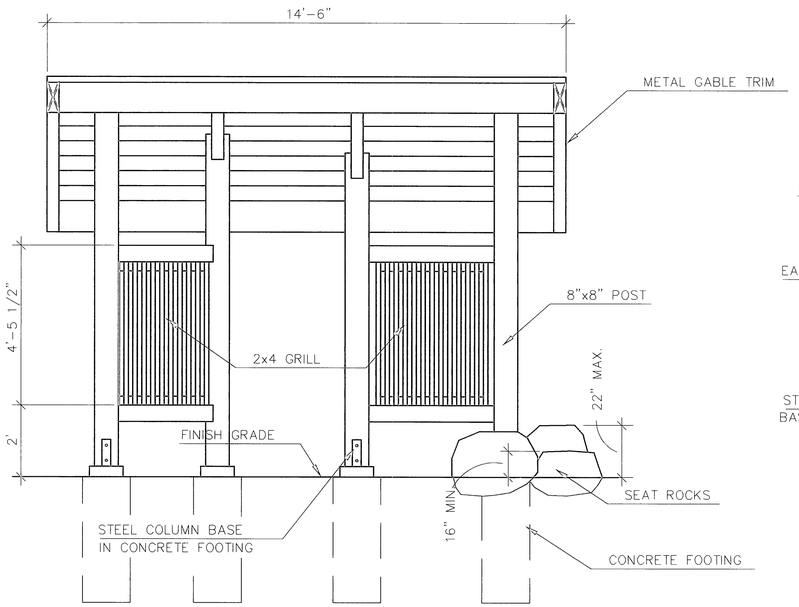
PLAN



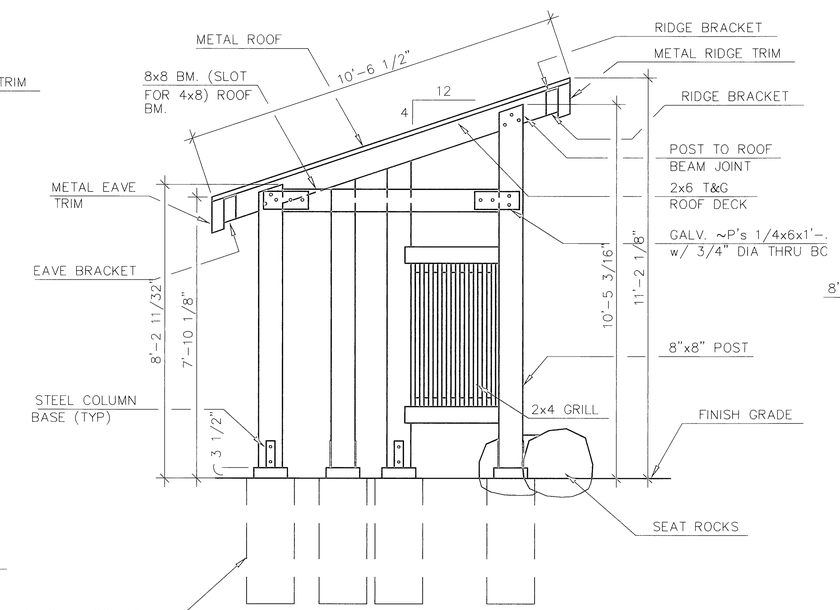
ROOF FRAMING PLAN



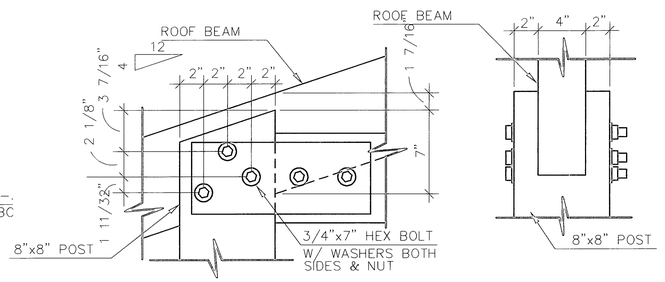
2/1 CONCRETE FOOTING



FRONT



1/1 TRANSVERSE SECTION



3/1 POST/ROOF BEAM JOINT

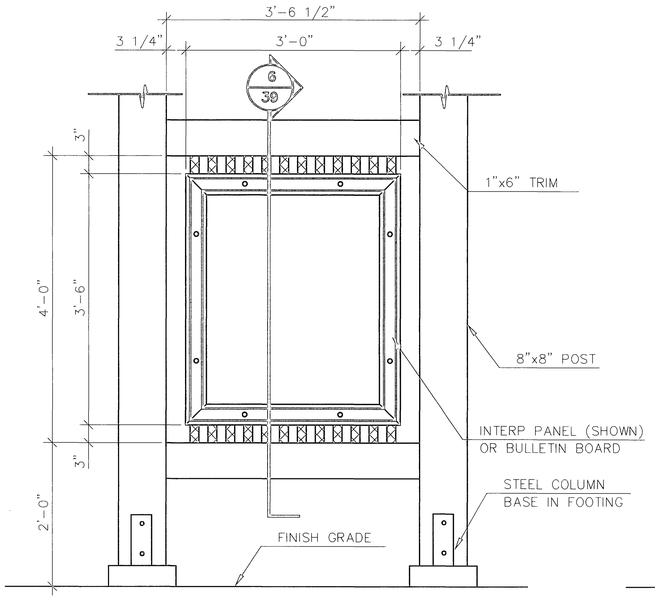


STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

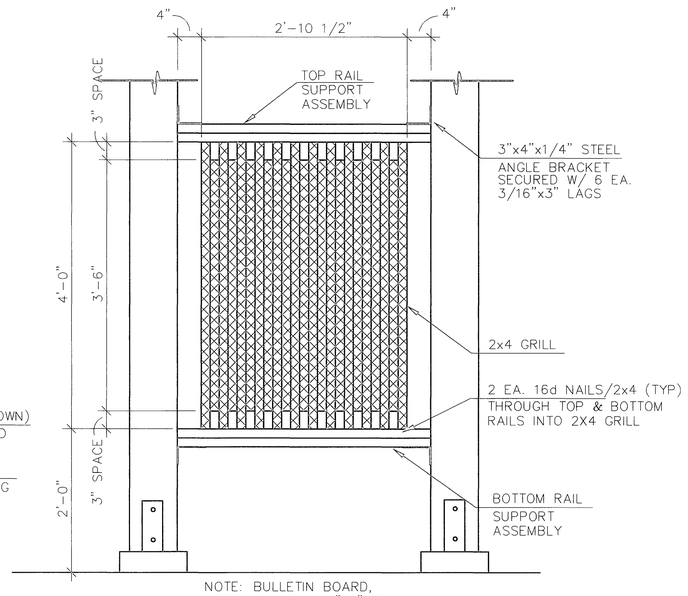
GLENN HIGHWAY
MP 109 TO MP 118

INTERPRETIVE KIOSK
DETAILS

YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
1996	ALASKA	IR-0A1-5(4)/56454	D-28	148

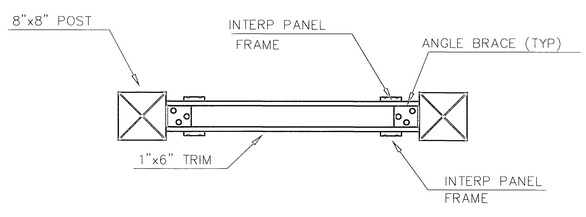


1/2 SUPPORT GRILL W/ INTERP PANEL



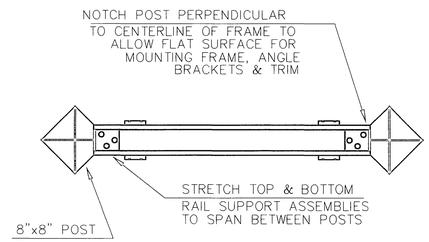
NOTE: BULLETIN BOARD, INTERP PANEL & 1"x6" TRIM NOT SHOWN IN THIS VIEW

2/2 SUPPORT GRILL



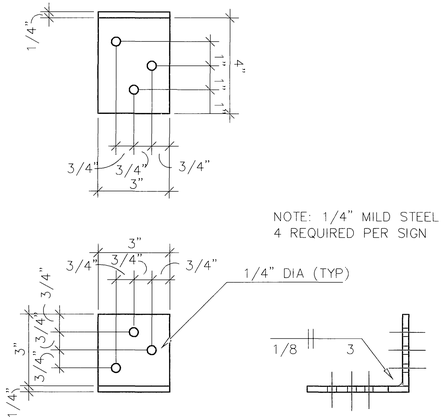
TOP

3/2 SUPPORT GRILL SECTION PERPENDICULAR TO POST

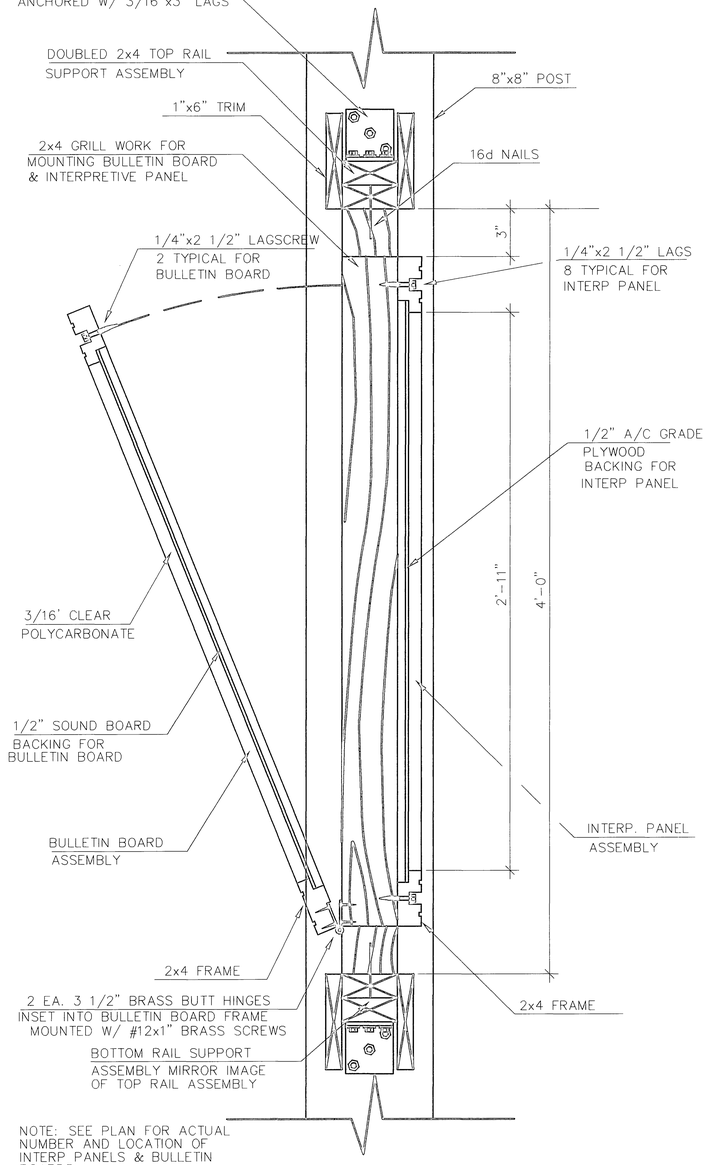


TOP

4/2 SUPPORT GRILL SECTION ANGLED TO POST



5/2 ANGLE BRACKET



NOTE: SEE PLAN FOR ACTUAL NUMBER AND LOCATION OF INTERP PANELS & BULLETIN BOARDS

6/2 2x4 GRILL SECTION

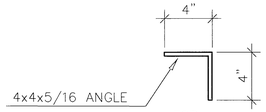
STATE OF ALASKA
49TH
William M. Smith
No. 4308-E
REGISTERED PROFESSIONAL ENGINEER

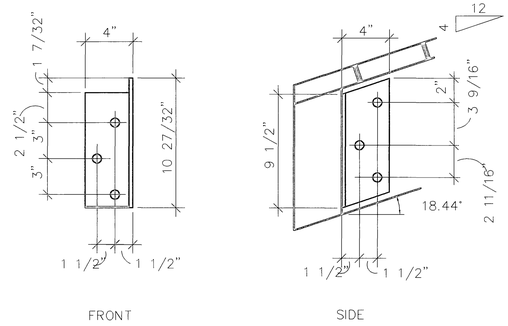
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

GLENN HIGHWAY
MP 109 TO MP 118

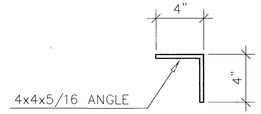
INTERPRETIVE KIOSK
DETAILS

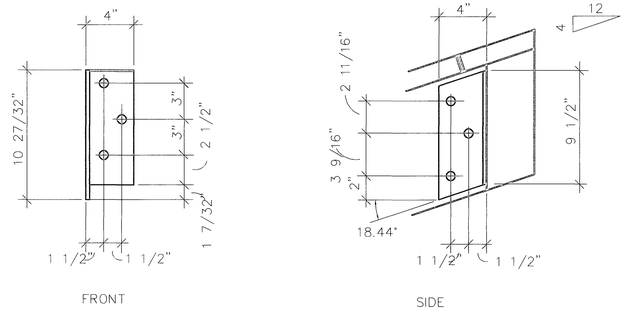
YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
1996	ALASKA	IR-0A1-5(4)/56454	D-29	148



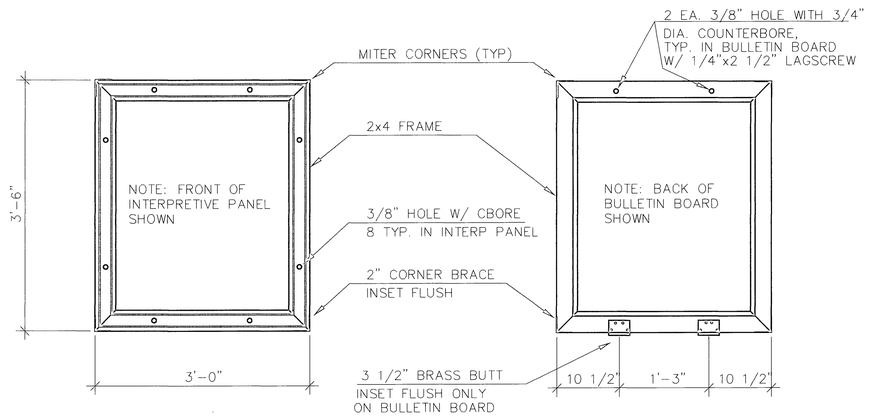


1/3 EAVE/GABLE CORNER BRACKET



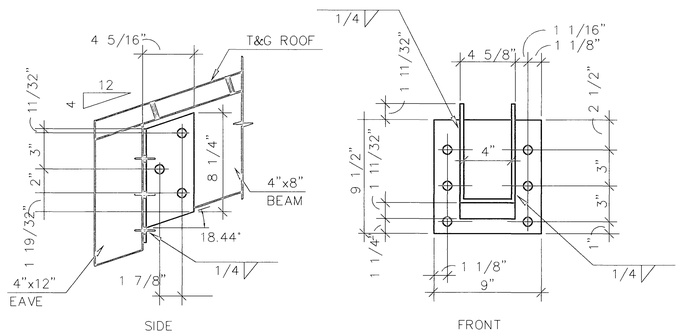


2/3 RIDGE/GABLE CORNER BRACKET



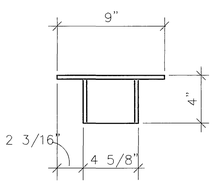
5/3 INTERPRETIVE PANEL 2x4 FRAME

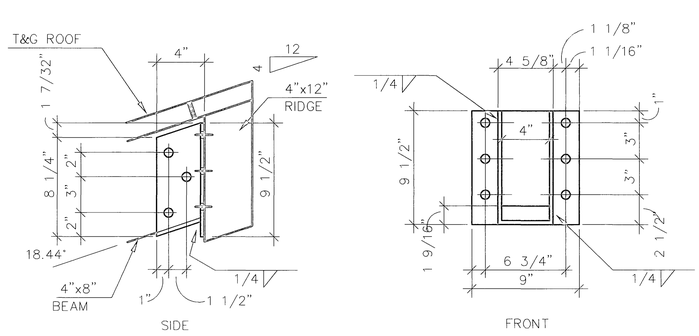
6/3 BULLETIN BOARD 2x4 FRAME



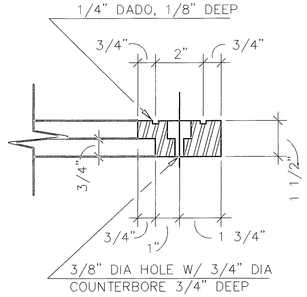
3/3 EAVE BRACKET

NOTE: BRACKETS ARE 5/16" MILD STEEL





4/3 RIDGE BRACKET



NOTE: BULLETIN BOARD SECTION SAME EXCEPT ONLY 2 HOLES AT TOP

7/3 INTERPRETIVE PANEL 2x4 FRAME SECTION

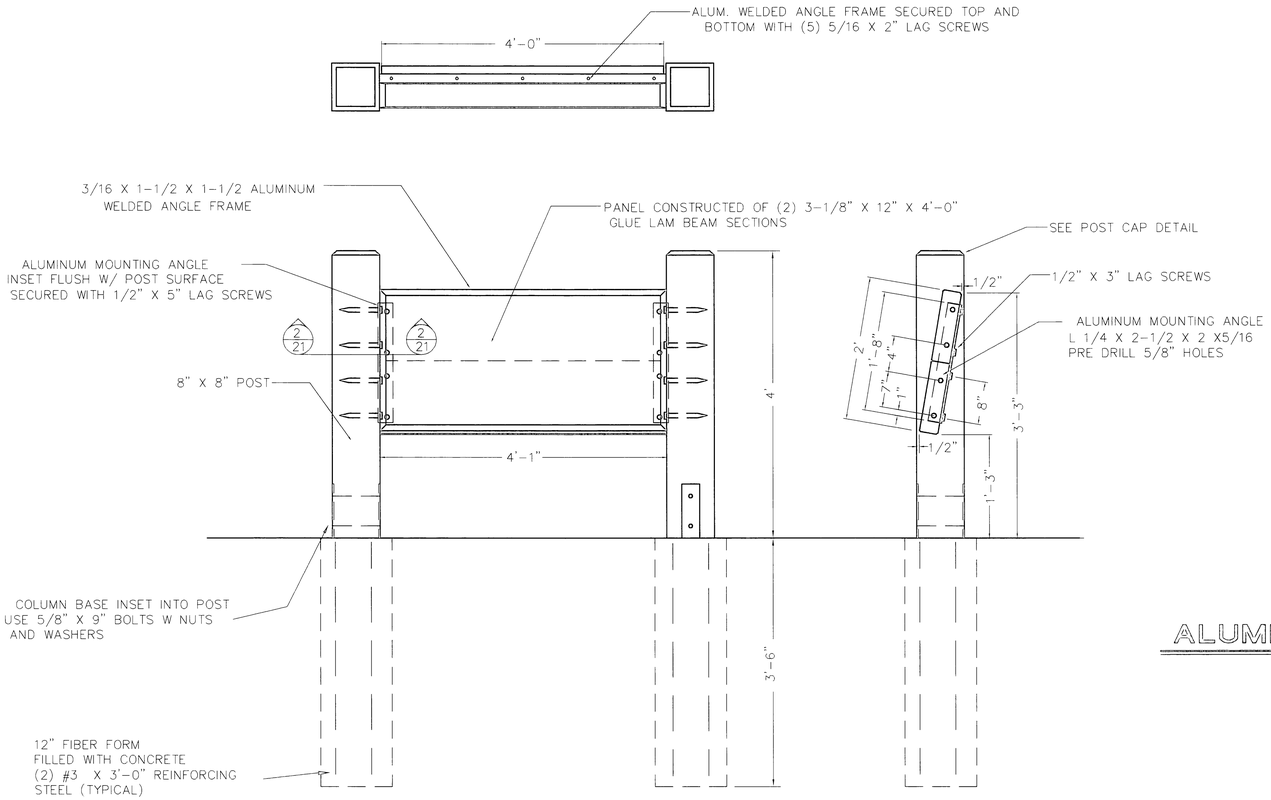
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

GLENN HIGHWAY
MP 109 TO MP 118

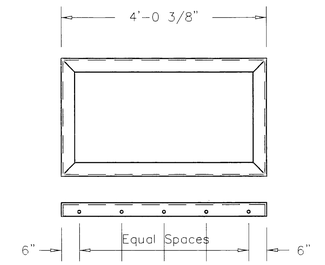
INTERPRETIVE KIOSK
DETAILS

STATE OF ALASKA
49TH
William M. Smith
No. 4308-E
REGISTERED PROFESSIONAL ENGINEER
10-10-96

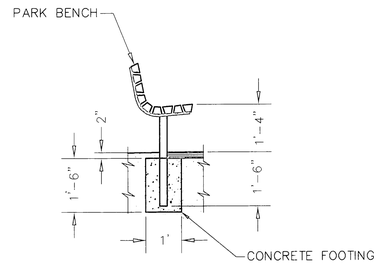
YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
1996	ALASKA	IR-0A1-5(4)/56454	D-30	148



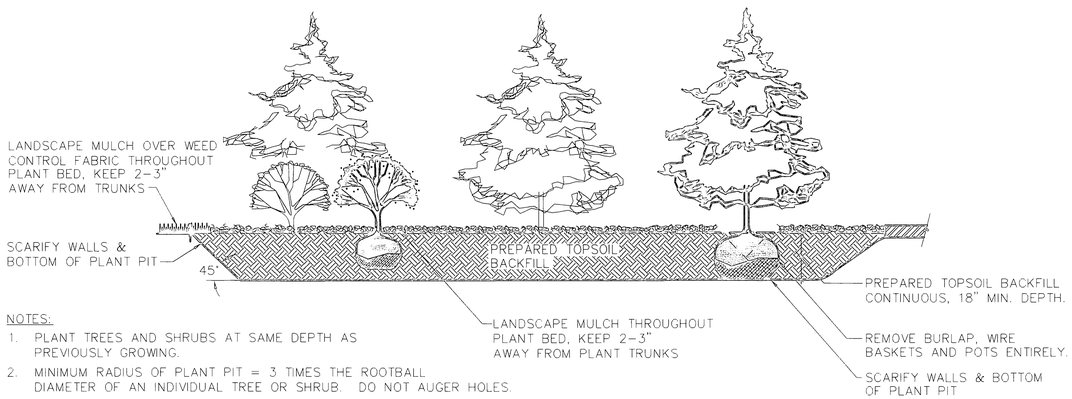
INTERPRETIVE SIGN-TYPE C



ALUMINUM SIGN MOUNTING FRAME



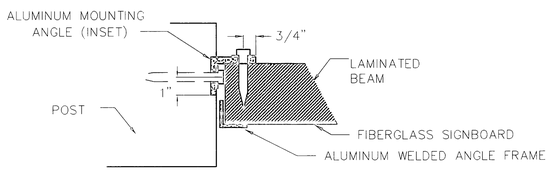
PARK BENCH



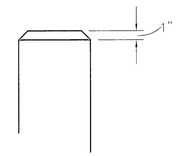
NOTES:

1. PLANT TREES AND SHRUBS AT SAME DEPTH AS PREVIOUSLY GROWING.
2. MINIMUM RADIUS OF PLANT PIT = 3 TIMES THE ROOTBALL DIAMETER OF AN INDIVIDUAL TREE OR SHRUB. DO NOT AUGER HOLES.

TYPICAL TREE AND SHRUB PLANTING DETAIL



INTERPRETIVE SIGN SECTION



8" POST CAP DETAIL

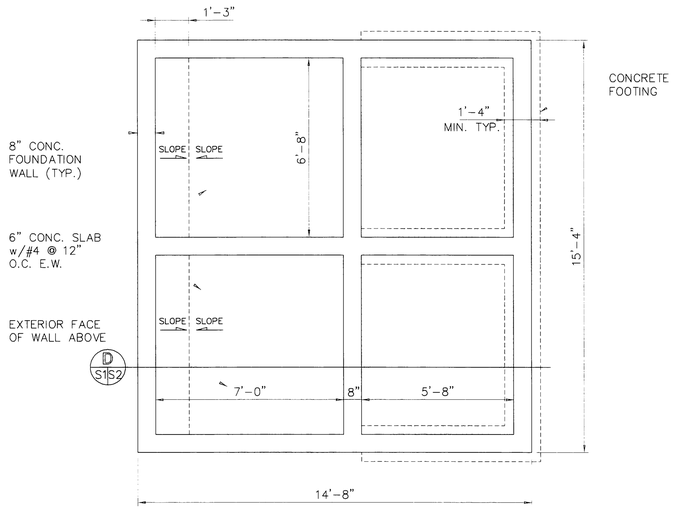
STATE OF ALASKA
49TH
Ted B. Trueblood
CE-4475
10/9/96
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

GLENN HIGHWAY
MP 109 TO MP 118

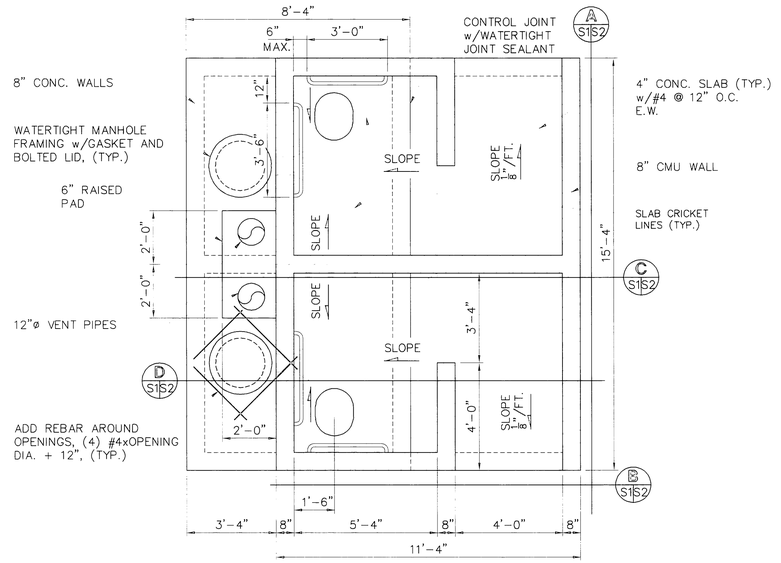
PLANTING AND
INTERPRETIVE SIGN DETAILS

REVISIONS			YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION					
			1996	ALASKA	IR-0A1-5(4)/56454	D-31	148



FOUNDATION PLAN

SCALE: 3/8" = 1'-0"



FLOOR PLAN

SCALE: 3/8" = 1'-0"

BILL OF MATERIALS

QUANTITY	SIZE OR UNITS	FINISH	ITEM
12	CY		CONCRETE
	LB		REBAR
550	EA		8" CONCRETE MASONRY UNITS
2	EA		MANHOLE FRAME & LID
	LF	PAINTED	12" DIA. VENT PIPE
2	2x2x$\frac{3}{16}$" ANGLE	GALVANIZED	PIPE SUPPORT
2	EA	GALVANIZED	VENTILATOR
2	EA	GALVANIZED	WALL VENT
2		GALVANIZED	WINDOW FRAME
32	$1\frac{1}{2}$" #B.R.H.	BRASS	NUTS & BOLTS
	SF		CORRUGATED FIBERGLASS
	LF	GALVANIZED	C4x5.4
	LF	GALVANIZED	C7x9.8
411	SF/$1\frac{1}{2}$", 18 GA.	GALVANIZED	STEEL ROOF DECK
2	EA	STAINLESS STEEL	TOILET PAPER HOLDER
8	$1\frac{1}{2}$" #B.R.H.	BRASS	SCREWS w/ANCHORS TO FASTEN STOOL TO FLOOR
2		STAINLESS STEEL	RISER w/PLASTIC COATED SEAT & COVER
2	3'-0"	STAINLESS STEEL	GRAB BARS
2	3'-6"	STAINLESS STEEL	GRAB BARS
2		ALUMINUM	SIGNS "MEN" & "WOMEN"

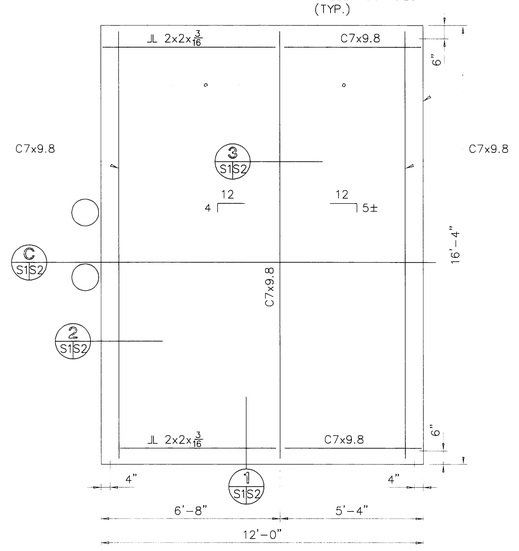
DESIGN CRITERIA

GROUND SNOW LOAD: Pf = 92 PSF

ROOF SNOW LOAD: Pg = 64.4 PSF

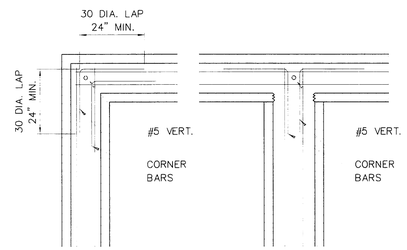
WIND LOAD: 70 MPH, EXPOSURE "B"
P = 6.3 PSF
UPLIFT = -9.6 PSF

SEISMIC: ZONE 4



ROOF PLAN

SCALE: 3/8" = 1'-0"

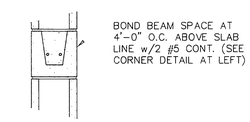


CORNER INTERSECTION

NOTES:
1. CORNER BARS AND VERTICAL BARS SHOWN ARE IN ADDITION TO REGULAR REINFORCING IN WALLS & FOOTINGS.
2. CORNER BARS SHALL MATCH IN SIZE & SPACING, AND BE TIED TO REGULAR REINFORCING IN WALLS AND FOOTINGS.

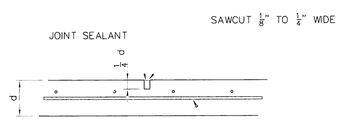
TYPICAL CMU REINFORCING

SCALE: N.T.S.



BOND BEAM

BAR LOCATION



TYPICAL CONTROL JOINT

SCALE: N.T.S.



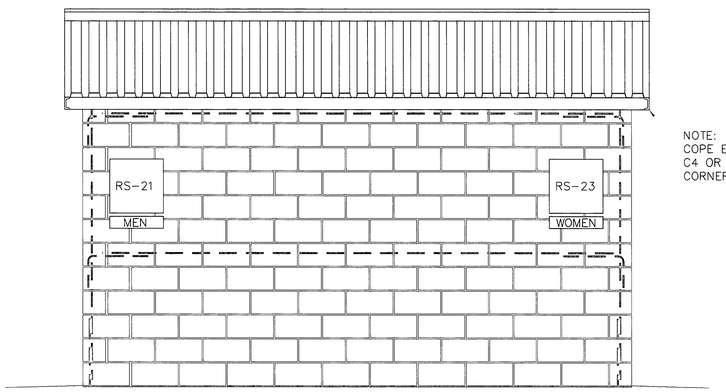
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

GLENN HIGHWAY
MP 109 TO 118
VAULTED TOILET

PLANS, TYPICAL DETAIL AND GENERAL NOTES

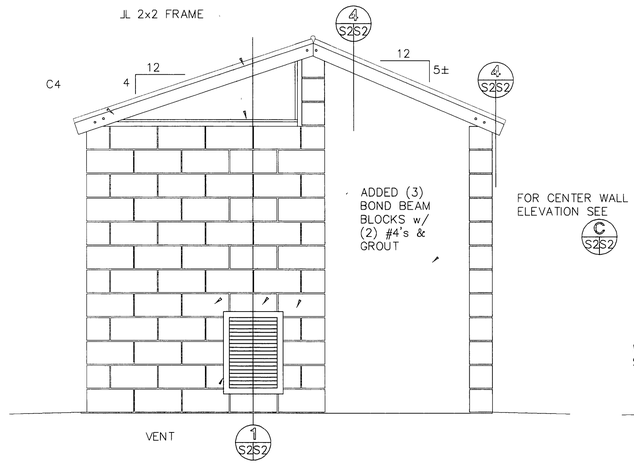
482815S1.DWG - '0 0 '_95

REVISIONS			YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION					
			1996	ALASKA	IR-0A1-5(4)/56454	D-32	148

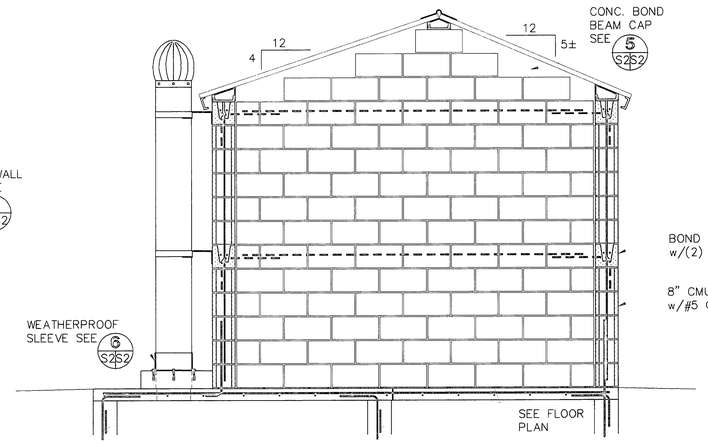


NOTE:
COPE END OF C4 OR MITER CORNERS

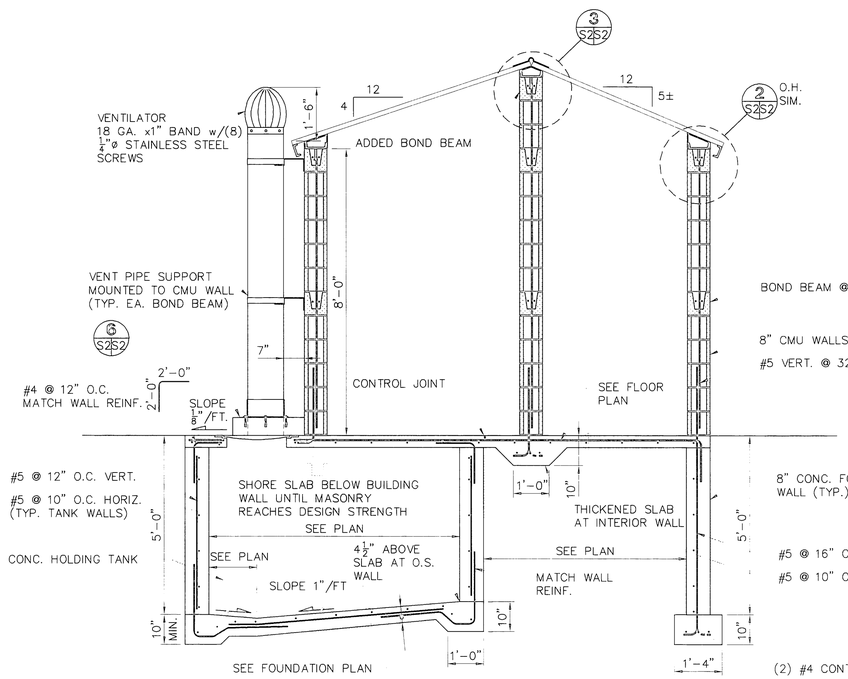
A ELEVATION
S1S2 SCALE: 1/2" = 1'-0"



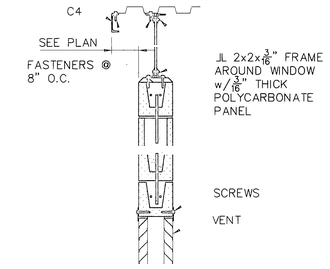
B ELEVATION
S1S2 SCALE: 1/2" = 1'-0"



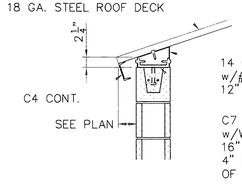
C SECTION
S1S2 SCALE: 1/2" = 1'-0"



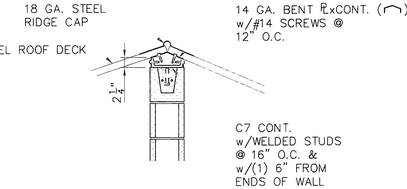
D SECTION
S1S2 SCALE: 1/2" = 1'-0"



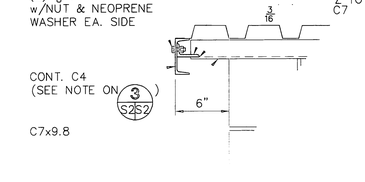
1 DETAIL
S2S2 SCALE: 3/4" = 1'-0"



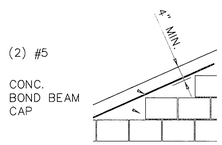
2 DETAIL
S2S2 SCALE: 3/4" = 1'-0"



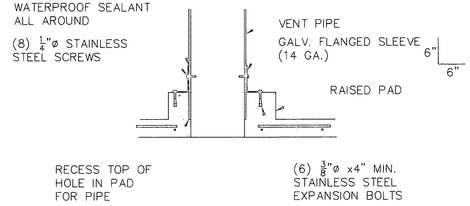
3 DETAIL
S2S2 SCALE: 3/4" = 1'-0"



4 DETAIL
S2S2 SCALE: 1-1/2" = 1'-0"



5 DETAIL
S2S2 N.T.S.



6 DETAIL
S2S2 SCALE: 3/4" = 1'-0"



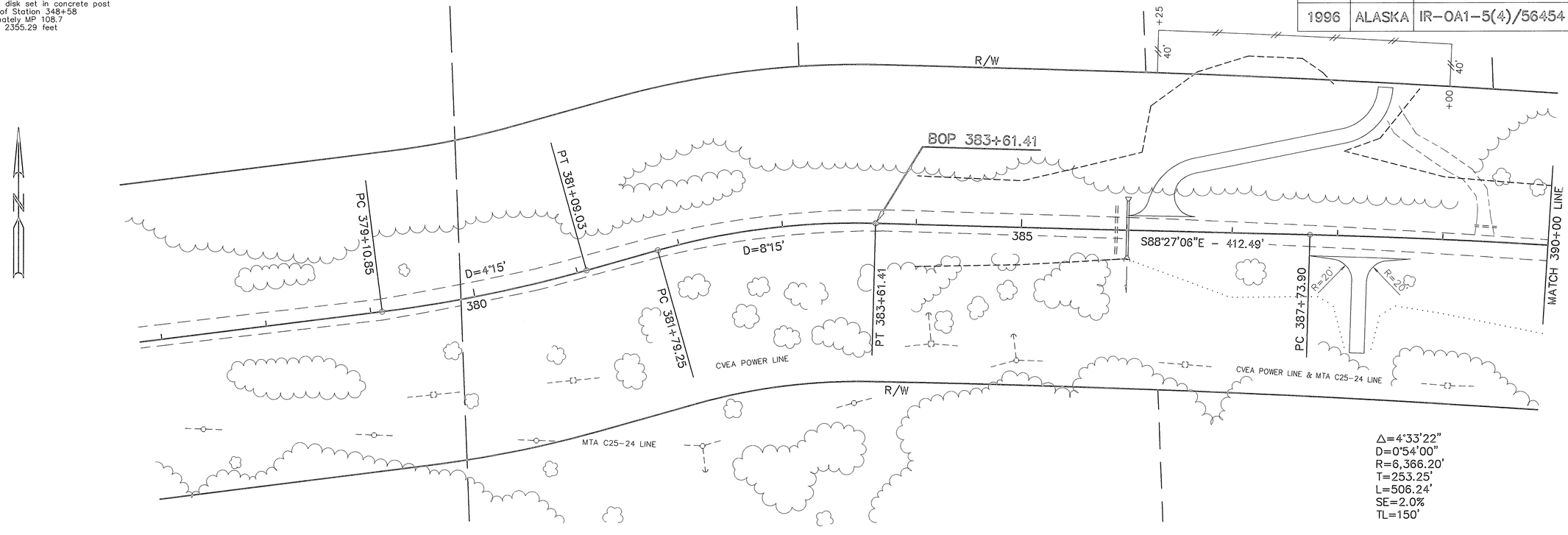
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

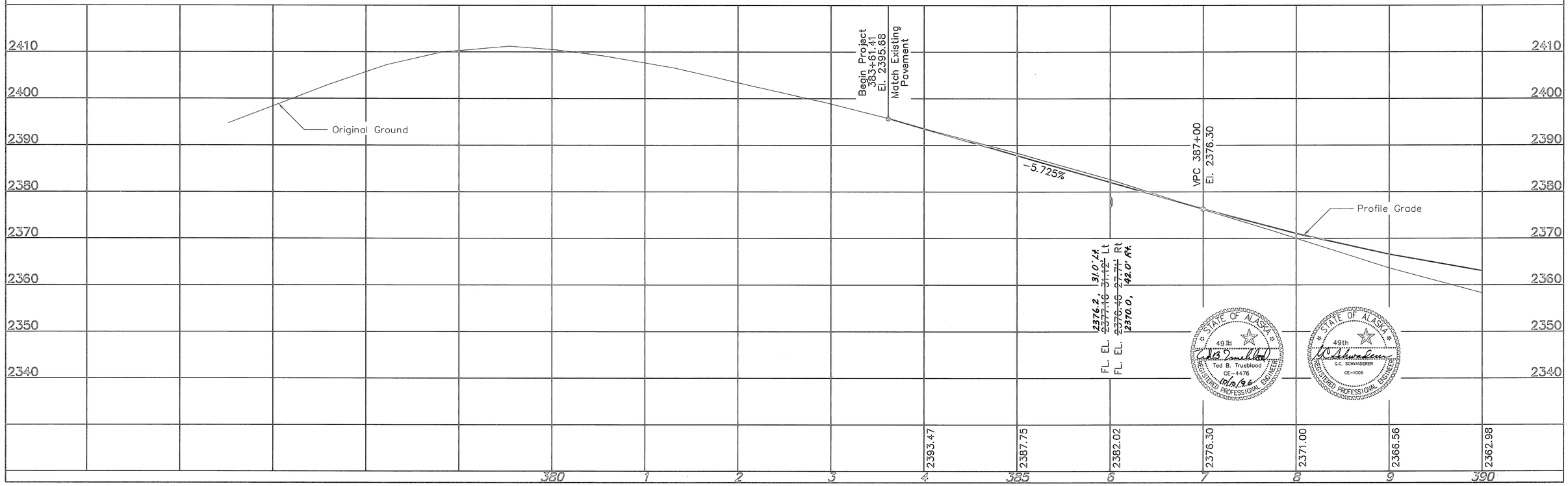
GLENN HIGHWAY MP 109 TO 118 VAULTED TOILET

ELEVATIONS AND SECTIONS

YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
1996	ALASKA	IR-0A1-5(4)/56454	E-1	148

USC&GS BM E-23 1944
Standard disk set in concrete post
66' left of Station 348+58
Approximately MP 108.7
Elevation 2355.29 feet



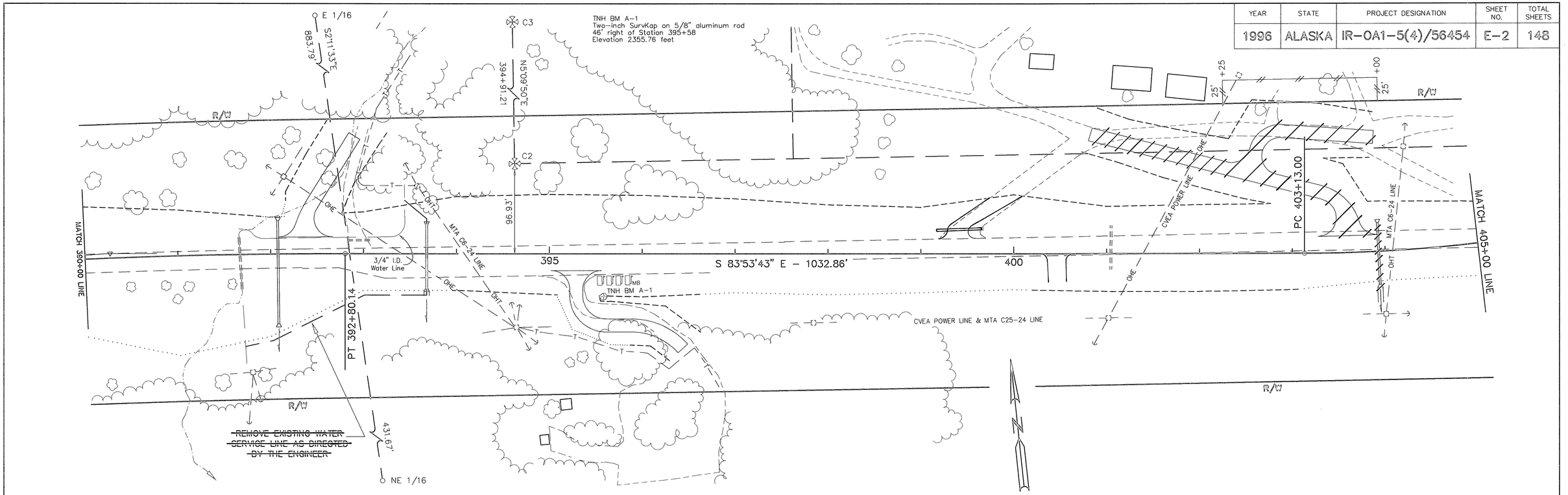


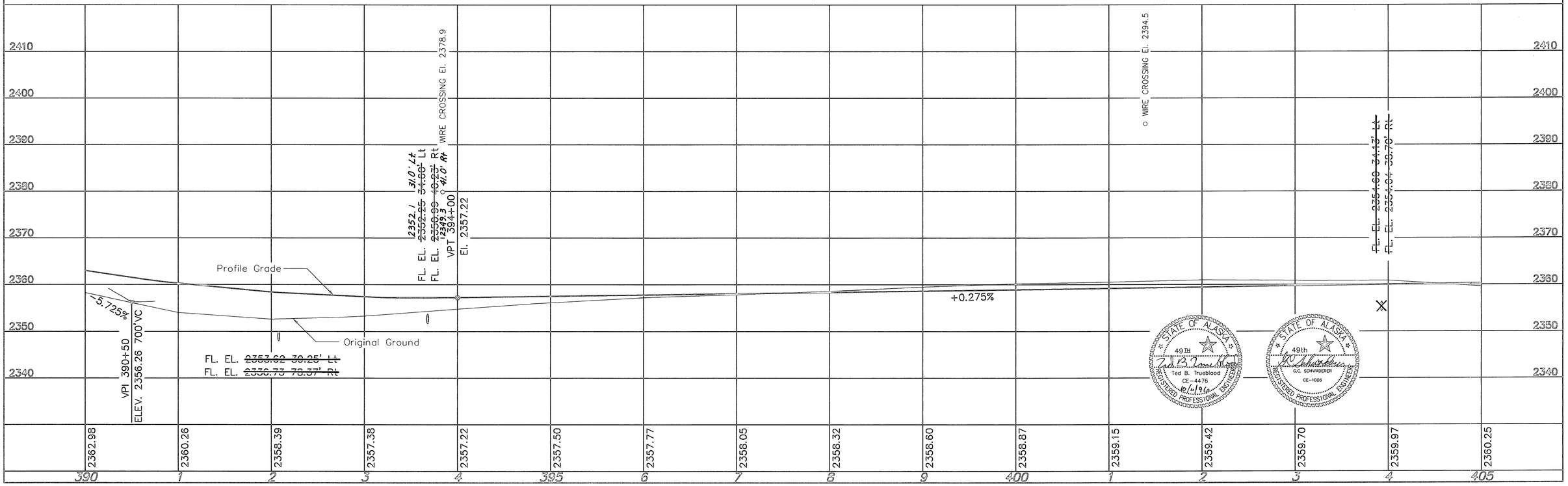
STATE OF ALASKA
49TH
Ted B. Trueblood
CE-4476
REGISTERED PROFESSIONAL ENGINEER
10/8/96

STATE OF ALASKA
49th
G.C. SCHWAEBER
CE-1006
REGISTERED PROFESSIONAL ENGINEER

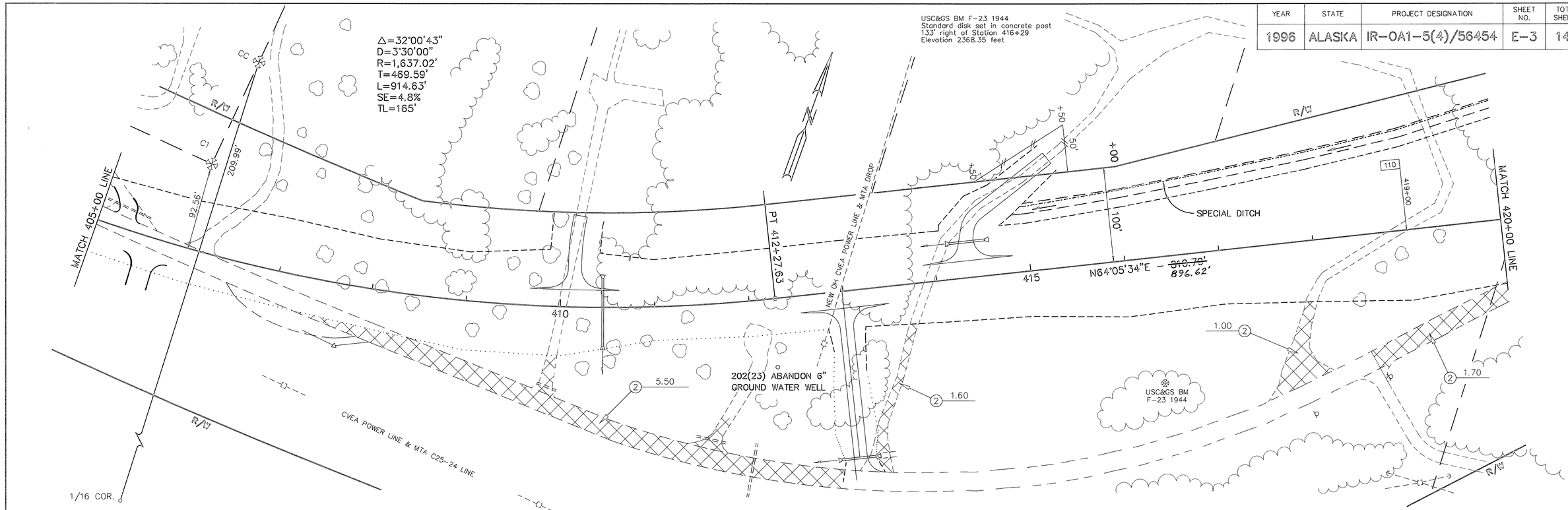
G109-E01 - 10/07/96

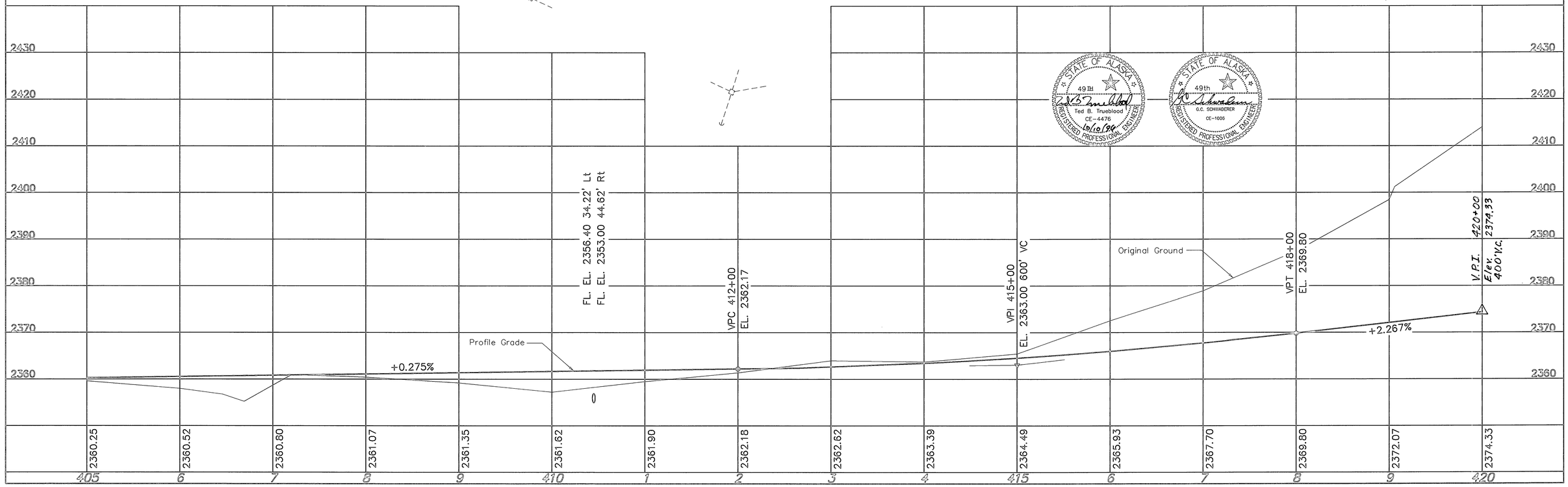
YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
1996	ALASKA	IR-0A1-5(4)/56454	E-2	148





YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
1996	ALASKA	IR-0A1-5(4)/56454	E-3	148





STATE OF ALASKA
49TH
Ted B. Trueblood
CE-4476
REGISTERED PROFESSIONAL ENGINEER
10/10/96

STATE OF ALASKA
49th
G.C. SCHWABERER
CE-1006
REGISTERED PROFESSIONAL ENGINEER

YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
1996	ALASKA	IR-0A1-5(4)/56454	E-4	148

TNH BM A-2
Two-inch SurvKap on 5/8" aluminum rod
34' north of the pavement centerline
128' left of Station 424+28
Elevation 2382.53 feet

FOR DRIVEWAY
SEE SHEET E-42

TNH BM A-2

+83.83

R/W

SPECIAL DITCH

0.65 (2)

(1) 400

FOR DRAINAGE DETAILS
SEE SHEETS D-5 – D-13

~~375~~ ~~275~~ (5)

DITCH LINING

MATCH 420+00 LINE

P.C. 421+24.25

R/W

Jackass Creek

(1) 225

+20

125'

50'

105'

+85

SETTING POND/DITCH

R/W

+00

23
1/4 COR
26

N2°12'20"W
433+65.88

R/W

+00

SPECIAL DITCH

FLUME DOWNDRAIN
SEE SHEET D-3

170'

430

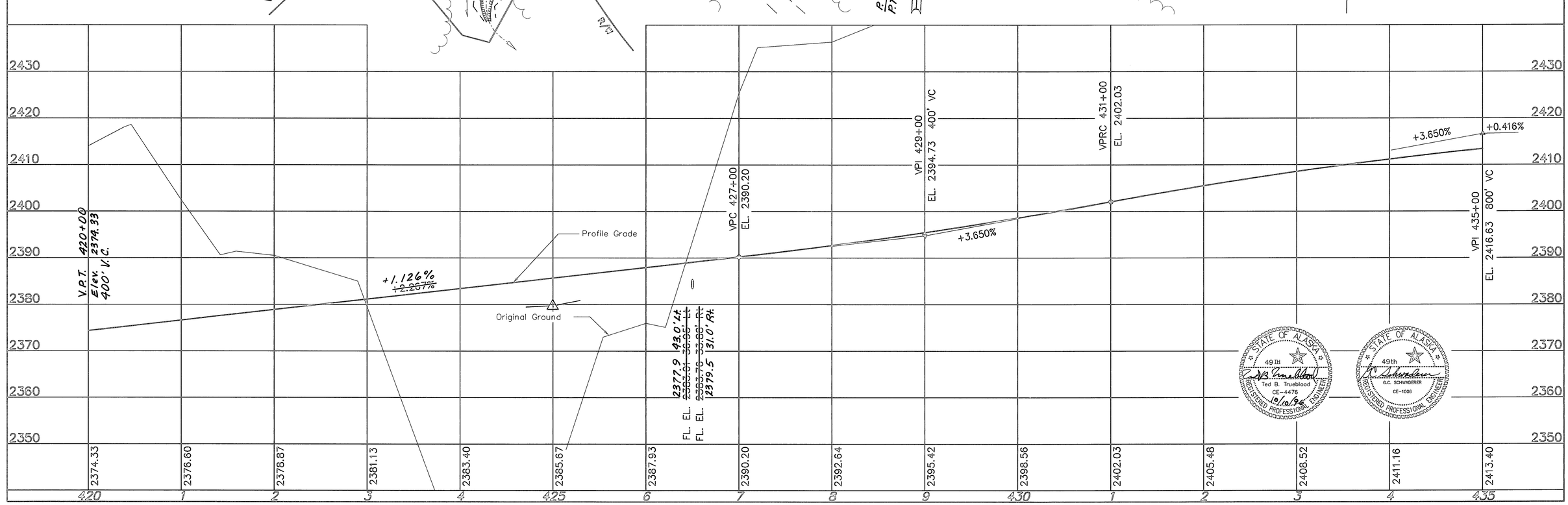
6" Perforated
Pipe Underdrain

℄ 82°48'41" E – ~~744.19'~~ 827.02'

P.T. 425+02.98 Bk. =
P.T. 428+98.19 Ahd.

MATCH 435+00 LINE

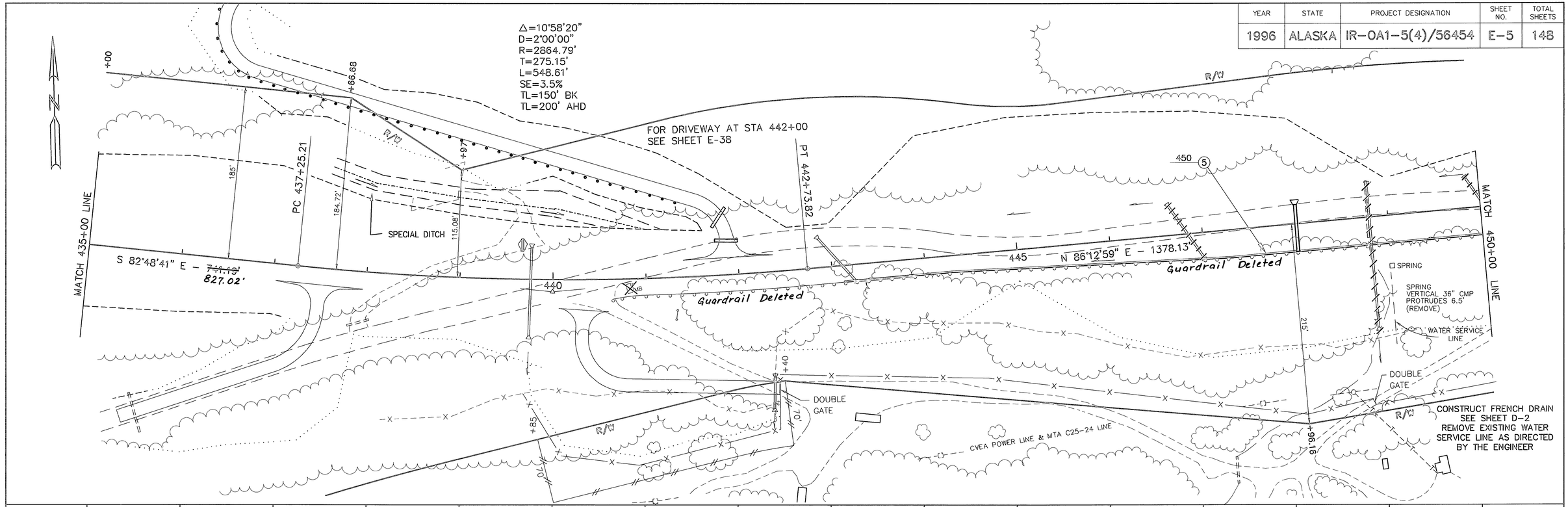
$\Delta = 33°05'46"$
~~D = 3°30'00"~~ 4° 15' 00"
~~R = 1,637.02'~~ 1348.14'
~~T = 486.48'~~ 400.56'
~~L = 945.68'~~ 778.73'
~~SE = 4.08%~~ 5.48
~~TL = 165'~~ 175'



STATE OF ALASKA
49TH
Ted B. Trueblood
CE-4476
10/10/96
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
49th
S.C. SCHNADERER
CE-10006
REGISTERED PROFESSIONAL ENGINEER

YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
1996	ALASKA	IR-0A1-5(4)/56454	E-5	148



YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
1996	ALASKA	IR-0A1-5(4)/56454	E-6	148

USC&GS BM F-88 1964
Standard disk set in top of 3' x 7' boulder
67' right of Station 454+48
Elevation 2479.96 feet

USC&GS TRIANGULATION STATION
SHEEP ASTRO 1943
Standard disk set in concrete post
177' right of Station 460+51
Elevation 2568.23 feet

Δ=06°59'10"
D=1°00'00"
R=5729.58'
T=349.74'
L=698.62'
SE=2.0%
TL=150'

460+21.15
N2°10'58"W

N87°53'56"E
2642.34'
18.48'
WC
2623.36'
N87°44'34"E

DETAIL

MATCH 450+00 LINE

Guardrail Deleted

242

N 86°12'59" E - 1378.13'

PC 456+51.94

455

460

7.20

MATCH 465+00 LINE

N79°13'49"E - 996.62'

PT 463+56.84 Ah
PT 463+50.56 Bk=

138.02'

145.62'

USC&GS BM
F-88 1964

CVEA POWER LINE & MTA C25-24 LINE

R/W

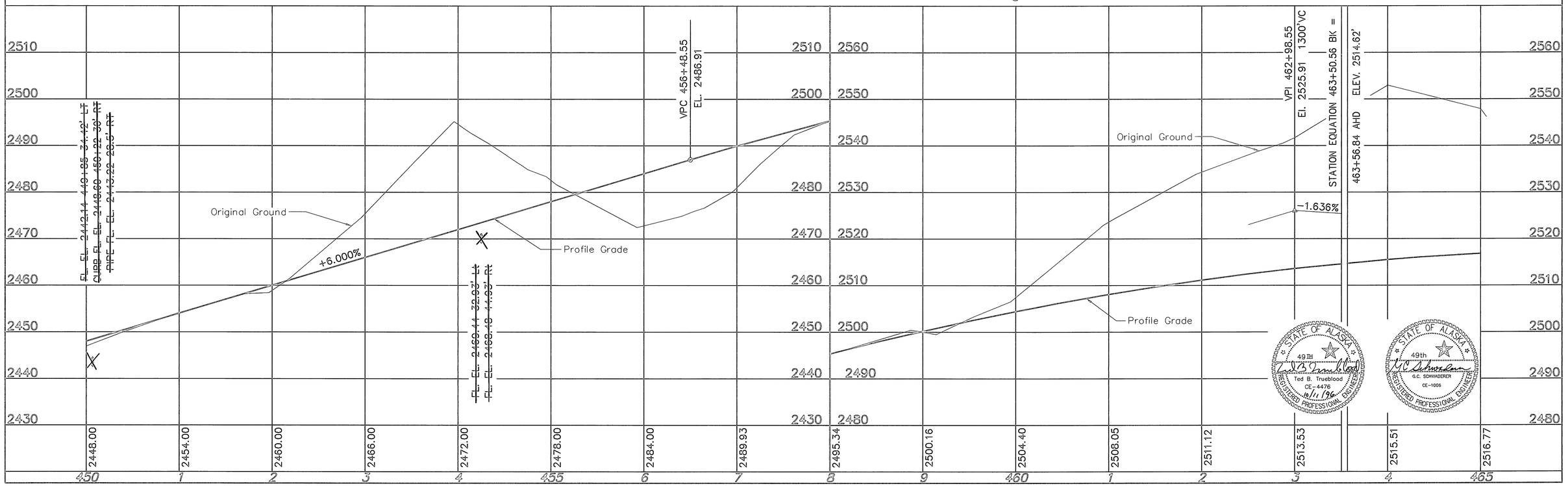
+46.16

+01.36

+00

SHEEP ASTRO 1943

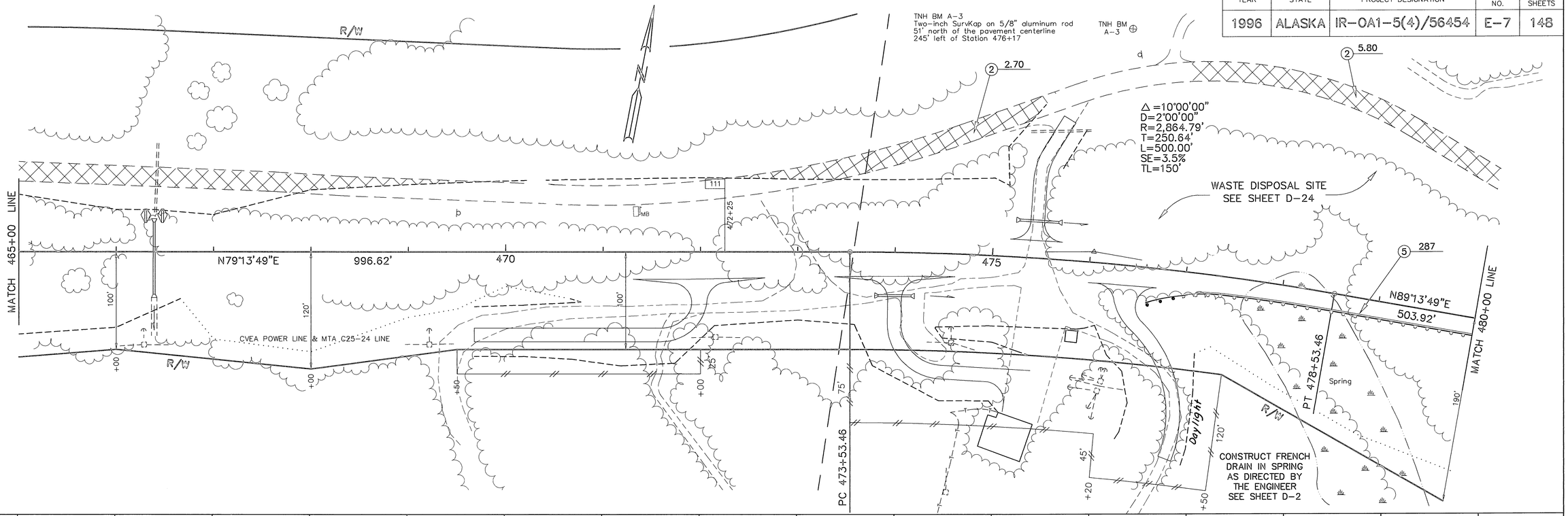
23 24 25 26



STATE OF ALASKA
49TH
Ted B. Trueblood
CE-4476
10/11/96
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
49th
G.C. SCHWIDERER
CE-1005
REGISTERED PROFESSIONAL ENGINEER

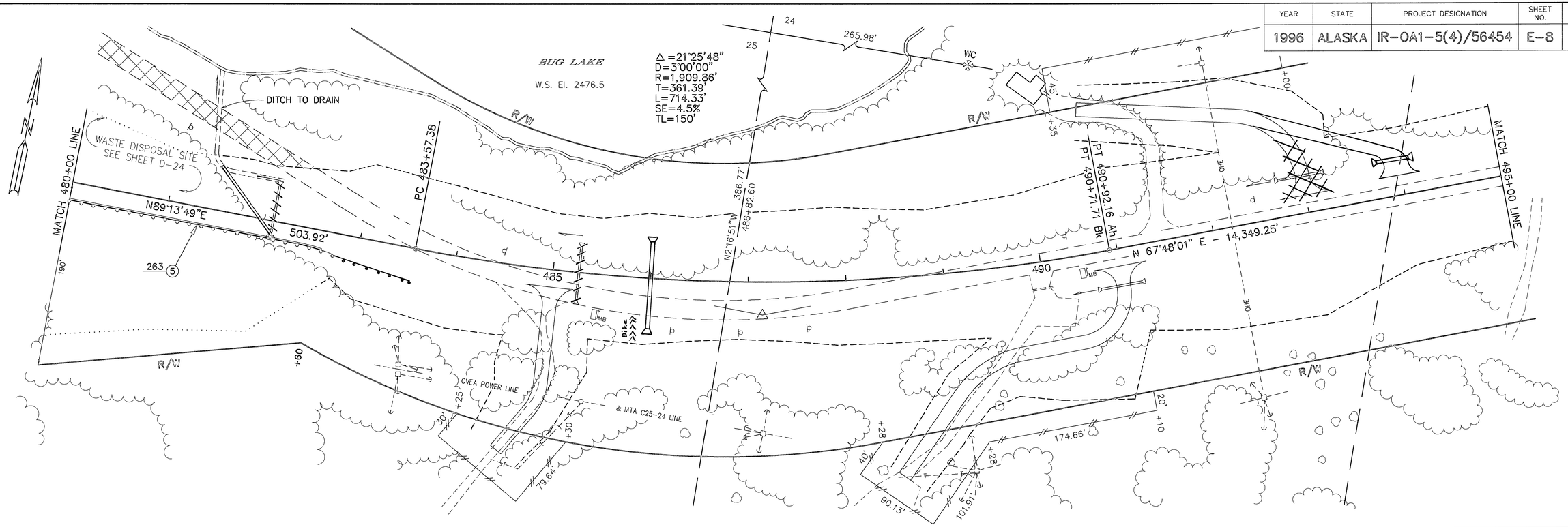
YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
1996	ALASKA	IR-0A1-5(4)/56454	E-7	148

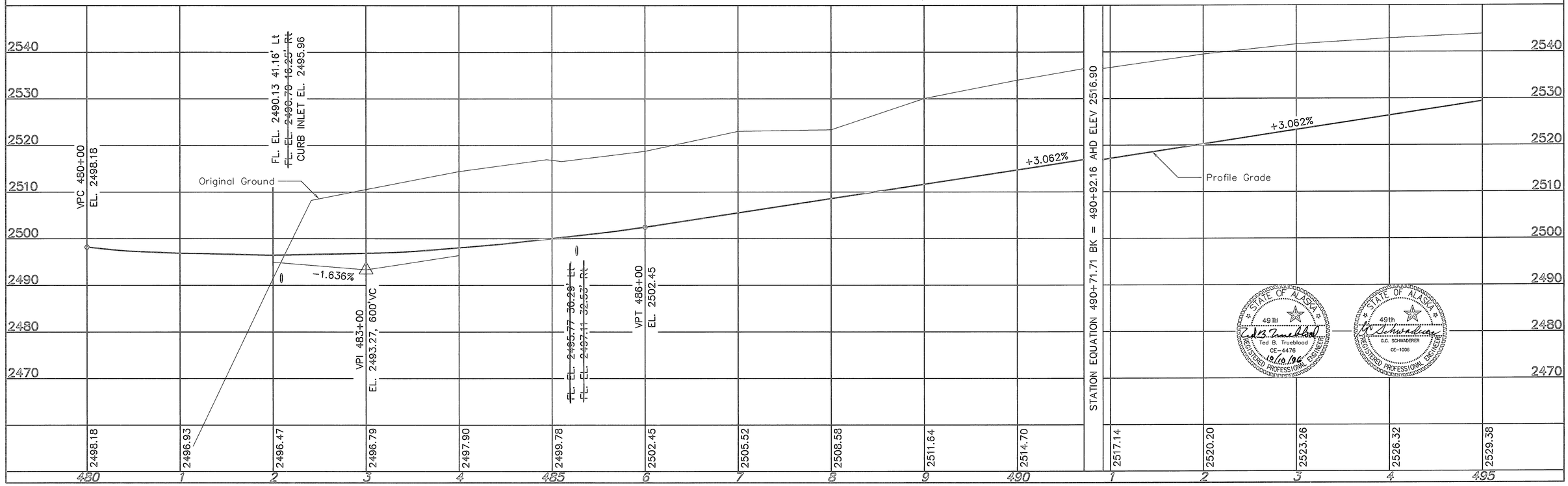


STATE OF ALASKA 49TH Ted B. Trueblood CE-4476 REGISTERED PROFESSIONAL ENGINEER 10/11/96

STATE OF ALASKA 49th G.C. SCHWADERER CE-1005 REGISTERED PROFESSIONAL ENGINEER

YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
1996	ALASKA	IR-0A1-5(4)/56454	E-8	148





G109-E08 - 10/07/96

YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
1996	ALASKA	IR-0A1-5(4)/56454	E-9	148

TNH BM A-4
Two-inch SurvKap on 5/8" aluminum rod
48' right of Station 507+23
Elevation 2579.21 feet

R/W

WC

498+17.59
797.34'

MATCH 495+00 LINE

500

505

N67°48'01"E - 14,349.25'

TNH BM
A-4

MATCH 510+00 LINE

55'

+50

R/W

CVEA POWER LINE

N87°47'11"E - 1565.11'

MTA C25-24 LINE

R/W

R10E
R11E
24
19
25
30

2541.5
FL. EL. ~~2540.04~~ 39.28' Lt
FL. EL. ~~2541.06~~ 53.35' Rt
2540.3

VPT 507+00
El. 2572.00

+6.00%

2579.1
FL. EL. ~~2579.21~~ 31.0' Lt
FL. EL. ~~2577.35~~ 44.81' Rt
2577.2 41.0'

VPC 503+00
El. 2553.88

Original Ground

+3.062%

Profile Grade

VPI 505+00 400'VC
El. 2560.00

STATE OF ALASKA
49TH
Ted B. Trueblood
CE-4476
10/10/96
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
49th
G.C. SCHWADERER
CE-1006
REGISTERED PROFESSIONAL ENGINEER

2600																						2600
2590																						2590
2580																						2580
2570																						2570
2560																						2560
2550																						2550
2540																						2540
2530																						2530
2520																						2520
	2529.38	2532.45	2535.51	2538.57	2541.63	2544.69	2547.75	2550.82	2553.88	2557.31	2561.47	2566.37	2572.00	2578.00	2584.00	2590.00						
	495	6	7	8	9	500	1	2	3	4	505	6	7	8	9	510						

G109-E09 - 10/07/96

YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
1996	ALASKA	IR-0A1-5(4)/56454	E-10	148

USC&GS TRIANGULATION STATION
GLEN WEST BASE 1944
Standard disk set in concrete post
51' right of Station 518+95
Elevation 2647.11 feet

USC&GS TRIANGULATION STATION
GLEN WEST BASE RM No. 3 1944
Standard disk set in concrete post
72' right of Station 518+95
Elevation 2646.11 feet

USC&GS BM G-23 1944
Standard disk set in concrete post
51' right of Station 519+31
Elevation 2646.51 feet
(Monument is damaged)

R/W

24 19 R10E R11E

N 1°54'58" W 2,055.27'

MATCH 510+00 LINE

MATCH 525+00 LINE

112

521+35

515 — N67°48'01"E – 14,349.25' — 520

GLEN WEST BASE 1944

USC&GS BM G-23 1944

GLEN WEST BASE 1944 RM No.3

514+89.58 579.85'

MTA C25-24 LINE

CVEA POWER LINE & MTA C25-24 LINE

CVEA POWER LINE

30' 30'

+80 +50

25 30 R10E R11E 24 19

FL. EL. 2609.46 33.74' Lt
FL. EL. 2605.80 40.02' Rt
0 32.0'
.2 48.0

Original Ground

VPC 513+00
El. 2608.00

VPI 519+00
El. 2644.00 1200'VC

VPT 525+00
El. 2655.59

FL. EL. 2650.66 34.47' Lt
FL. EL. 2650.02 42.36' Rt

6.000%

+1.932%

2660 2650 2640 2630 2620 2610 2600 2590 2580

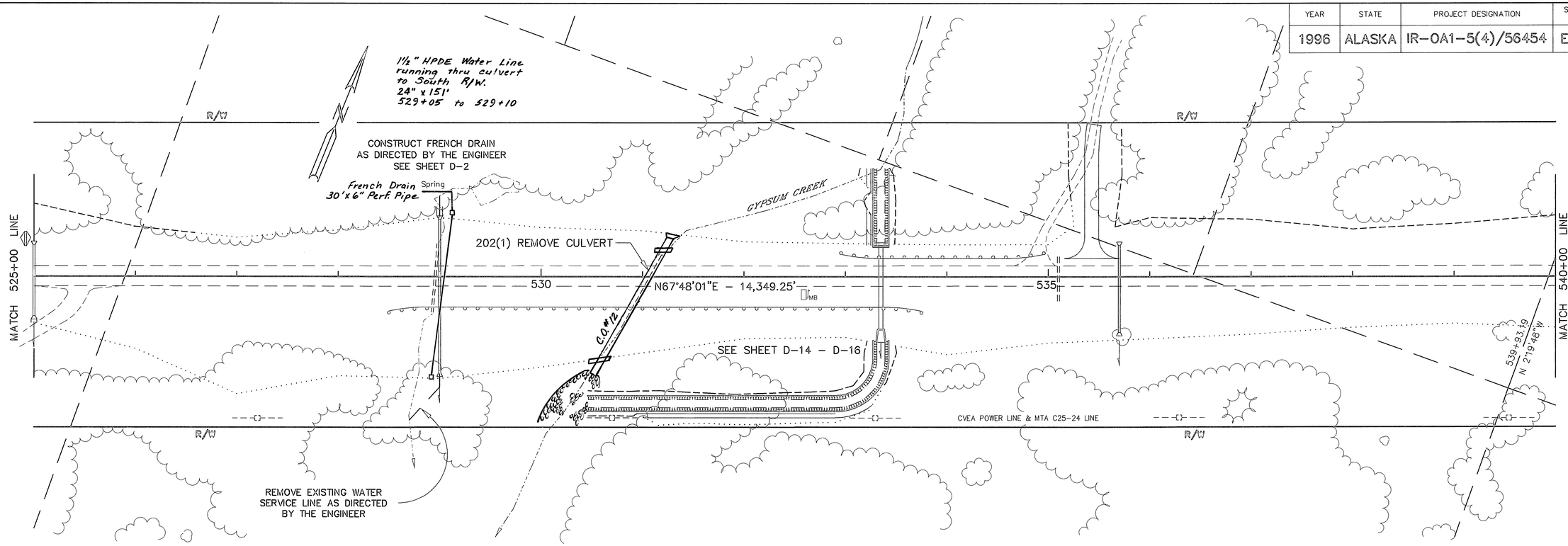
2590.00 2596.00 2602.00 2608.00 2613.83 2619.32 2624.47 2629.29 2633.76 2637.90 2641.69 2645.15 2648.27 2651.05 2653.49 2655.59

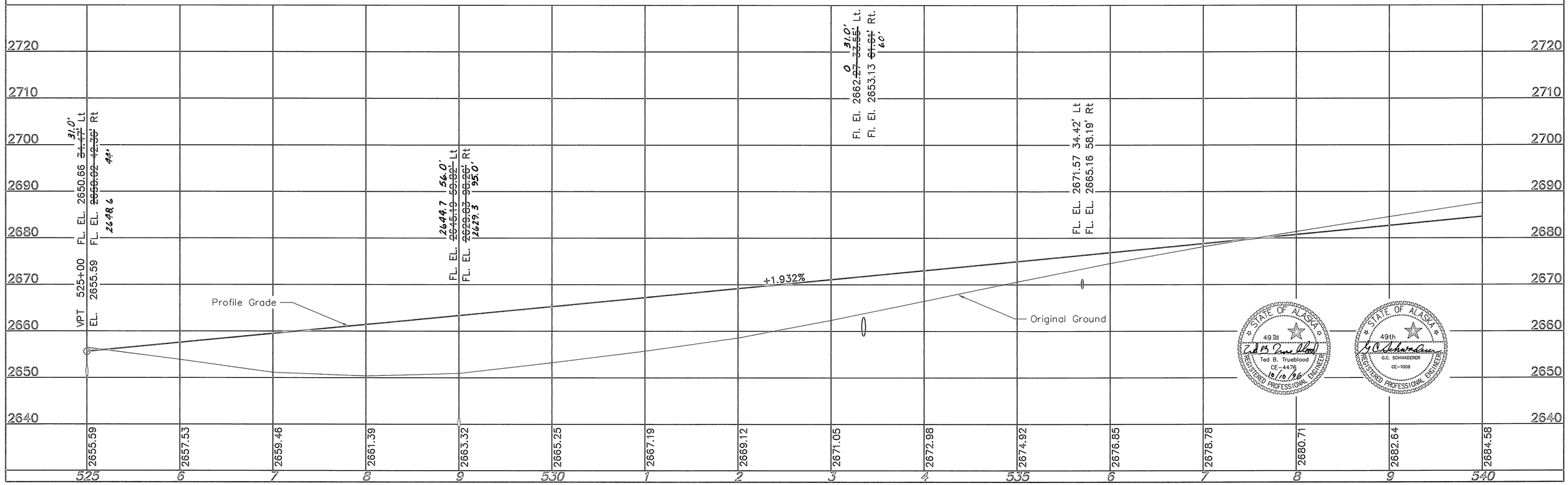
510 1 2 3 4 515 6 7 8 9 520 1 2 3 4 525

STATE OF ALASKA 49TH Ted B. Trueblood CE-4476 REGISTERED PROFESSIONAL ENGINEER 12/10/96

STATE OF ALASKA 49th G.C. SCHWABERER CE-1508 REGISTERED PROFESSIONAL ENGINEER

YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
1996	ALASKA	IR-0A1-5(4)/56454	E-11	148





STATE OF ALASKA 49TH — Ted B. Trueblood CE-4476 10/10/96 — REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA 49th — G.C. SCHWABERER CE-1008 — REGISTERED PROFESSIONAL ENGINEER

YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
1996	ALASKA	IR-0A1-5(4)/56454	E-12	148

TNH BM A-5
Two-inch SurvKap on 5/8" aluminum rod
47' left of Station 541+27
Elevation 2693.90 feet

539+93.19
N 21°48'W

90'
+50
90'
+50

R/W

TNH BM A-5

MATCH 540+00 LINE

545

N67°48'01"E - 14,349.25'

550

MATCH 555+00 LINE

OHT

CVEA POWER LINE & MTA C25-24 LINE

R/W

R/W

R/W

VPC 545+00
EL. 2694.24

FL. EL. 2690.90 33.68' Lt
FL. EL. 2689.80 43.14' Rt

VPI 548+50
EL. 2701.00 700'VC

VPT 552+00
EL. 2702.23

Original Ground

Profile Grade

+1.932%

+0.350%

2730																									2730
2720																									2720
2710																									2710
2700																									2700
2690																									2690
2680																									2680
2670																									2670
2660																									2660
2650																									2650
	2684.58	2686.51	2688.44	2690.37	2692.31	2694.24	2696.06	2697.65	2699.02	2700.16	2701.07	2701.76	2702.23	2702.58	2702.93	2703.28									
	540	1	2	3	4	545	6	7	8	9	550	1	2	3	4	555									

STATE OF ALASKA
49TH
Ted B. Trueblood
CE-4476
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
49th
G.C. SCHWABERER
CE-1006
REGISTERED PROFESSIONAL ENGINEER

YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
1996	ALASKA	IR-0A1-5(4)/56454	E-13	148

USC&GS BM H-23 1944
Standard disk set in concrete post
80' left of Station 569+03
Elevation 2711.09 feet

R/W
+25
65'
65'
+75
SEE SHEET D-25 & E-37
Moved to Rt. Side of Road as per Regional Hydrologist
CREEK
FOR DRAINAGE DETAILS SEE SHEET D-17
USC&GS BM H-23 1944
MATCH 555+00 LINE
MATCH 570+00 LINE
560
N67°48'01"E - 14,349.25'
565
Directive U
19
N87°57'13"E
20
575+11.12
668.51'
244.91'
568+00.30
N 2°19'48"W-2396.51'
19
20
30
29

Profile Grade
+0.350%
Original Ground

	555	6	7	8	9	560	1	2	3	4	565	6	7	8	9	570
Fl. El.	2703.28	2703.63	2703.98	2704.33	2704.68	2705.03	2705.38	2705.73	2706.08	2706.43	2706.78	2707.13	2707.48	2707.83	2708.18	2708.53
		FL. EL. 2693.74 43.05' Lt FL. EL. 2686.12 73.53' Rt							Fl. El. 2699.00 ~~28.0~~ 27.0' Lt. Fl. El. ~~2696.50 56.16'~~ 50' Rt. ~~2697.4~~						FL. EL. 2703.48 ~~34.02~~ 31.0' Lt FL. EL. 2699.6 ~~39.8~~ 39.8' Rt .5 .0	

2740 2730 2720 2710 2700 2690 2680 2670 2660

STATE OF ALASKA 49TH Ted B. Trueblood CE-4476 10/10/96 REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA 49th G.C. SCHWAEDERER CE-1005 REGISTERED PROFESSIONAL ENGINEER

YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
1996	ALASKA	IR-0A1-5(4)/56454	E-14	148

SHEEP MOUNTAIN AIRPORT

19

20

100'

100'

+50

+00

R/W

R/W

575+11.12

N87°57'13"E – 668.51'

113

575+00

24"x 67' CMP

24"x 68' CMP

MATCH 570+00 LINE

575

N67°48'01"E – 14,349.25'

580

MATCH 585+00 LINE

24" x 62' CMP

CVEA POWER LINE & MTA C25-24 LINE

R/W

R/W

Original Ground

+0.350%

Profile Grade

FL. EL. 2705.2 31.0' Lt
FL. EL. 2704.5 31.0' Rt

FL. EL. 2706.37 31.0' Lt
FL. EL. 2702.7 37.0' Rt

FL. EL. 2707.23 31.0' Lt
FL. EL. 2703.8 36.0' Rt

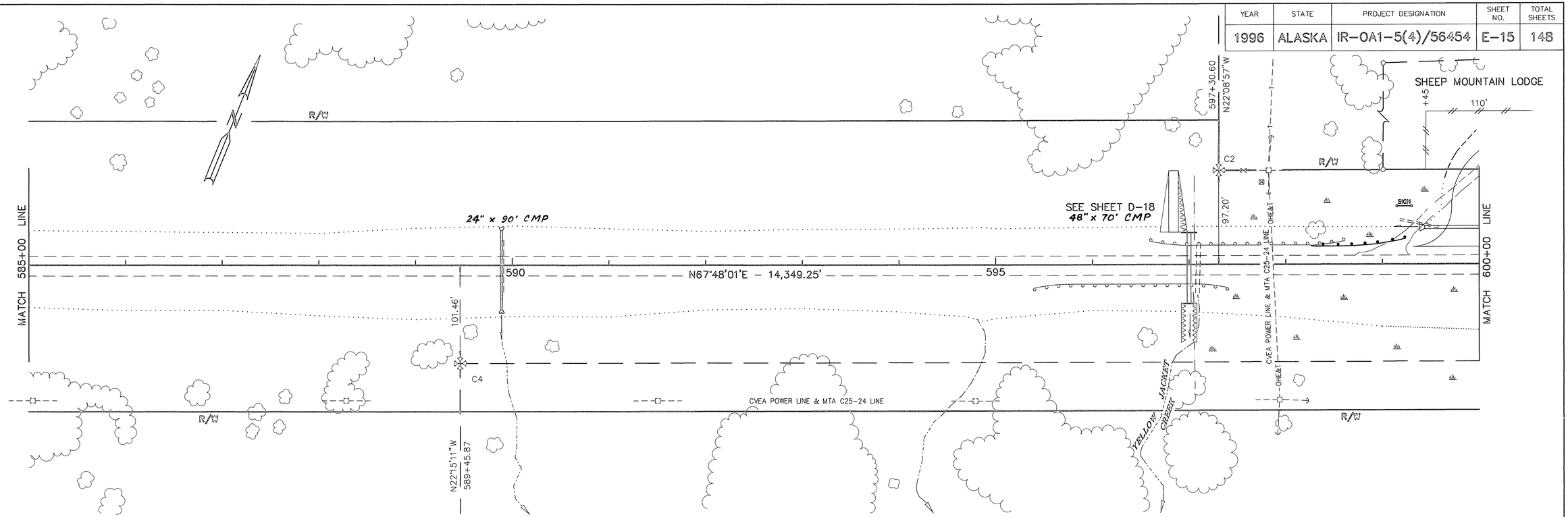
STATE OF ALASKA 49TH Ted B. Trueblood CE-4476 9/12/96 REGISTERED PROFESSIONAL ENGINEER

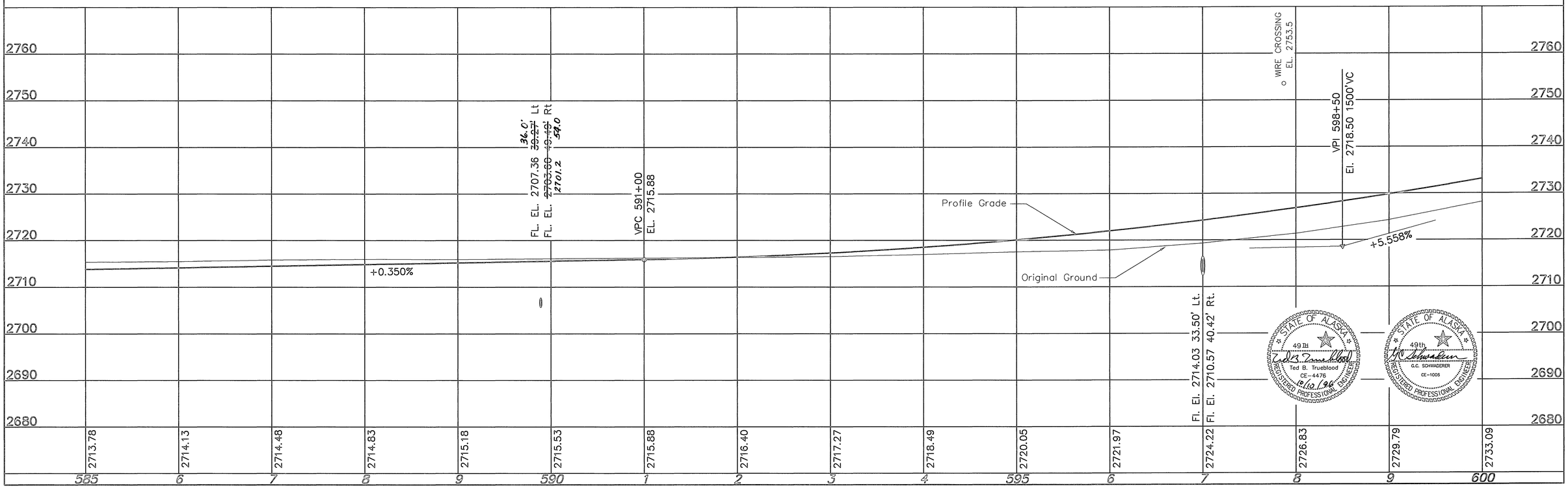
STATE OF ALASKA 49th G.C. SCHWADERER CE-1006 REGISTERED PROFESSIONAL ENGINEER

2750																2750
2740																2740
2730																2730
2720																2720
2710																2710
2700																2700
2690																2690
2680																2680
2670																2670
	2708.53	2708.88	2709.23	2709.58	2709.93	2710.28	2710.63	2710.98	2711.33	2711.68	2712.03	2712.38	2712.73	2713.08	2713.43	2713.78
	570	1	2	3	4	575	6	7	8	9	580	1	2	3	4	585

G109-E14 – 10/07/96

YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
1996	ALASKA	IR-0A1-5(4)/56454	E-15	148





YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
1996	ALASKA	IR-0A1-5(4)/56454	E-16	148

SHEEP MOUNTAIN LODGE

TNH BM A-6
Two-inch SurvKap on 5/8" aluminum rod
97' left of Station 604+18
Elevation 2753.92 feet

110' +55 60'

+85 125' +10 85'

+60 130' +90 70'

N22°12'46"W 610+51.71

R/W

USLM 2792

TNH BM A-6

CVEA POWER LINE & MTA C25-24 LINE

C1

SIGN

OHT

99.88'

MATCH 600+00 LINE

605 N67°48'01"E - 14,349.25' 610

MTA C25-24 LINE

ONE

MATCH 615+00 LINE

CVEA POWER LINE & MTA C25-24 LINE

LAMB LANE

SHEEP TRAIL

Original Ground

Profile Grade

+5.558%

VPT 606+00
EL. 2760.19

VPC 615+00
El. 2810.21

FL. EL. 2784.09 ~~34.75'~~ Lt 31.0'
FL. EL. 2781.41 ~~40.03'~~ Rt 43.0'
2783.4
2782.7

2733.09		2736.74		2740.73		2745.07		2749.76		2754.80		2760.19		2765.74		2771.30		2776.86		2782.42		2787.98		2793.54		2799.09		2804.65		2810.21
600		1		2		3		4		605		6		7		8		9		610		1		2		3		4		615

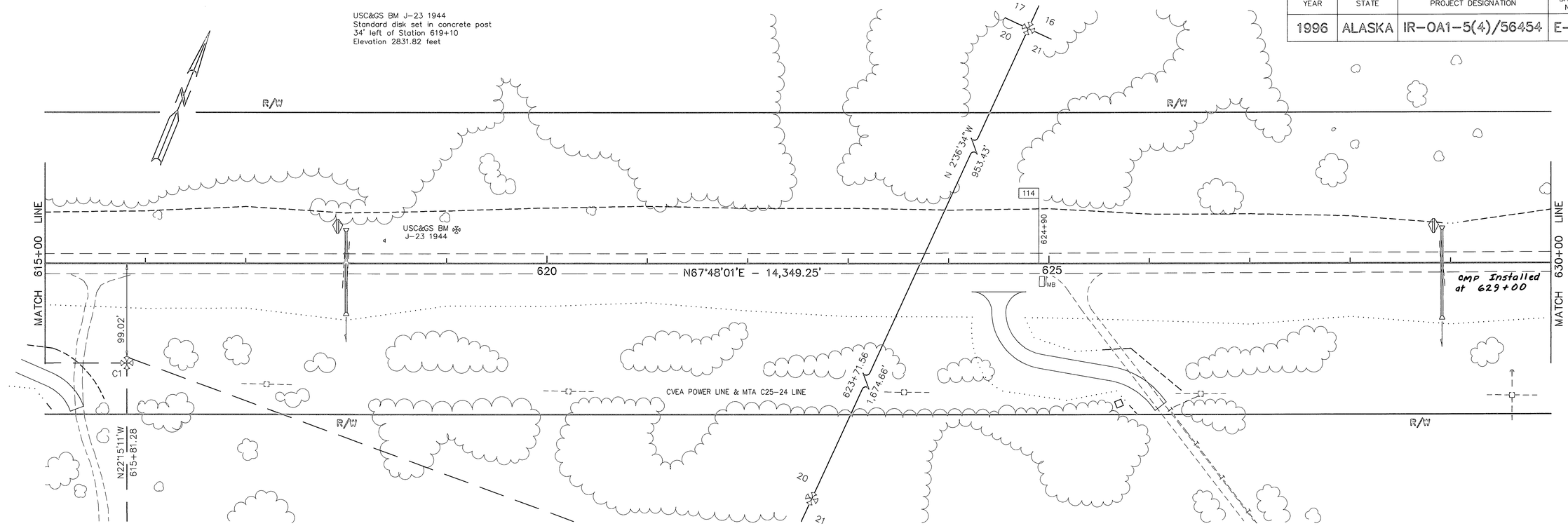
2810 2800 2790 2780 2770 2760 2750 2740 2730

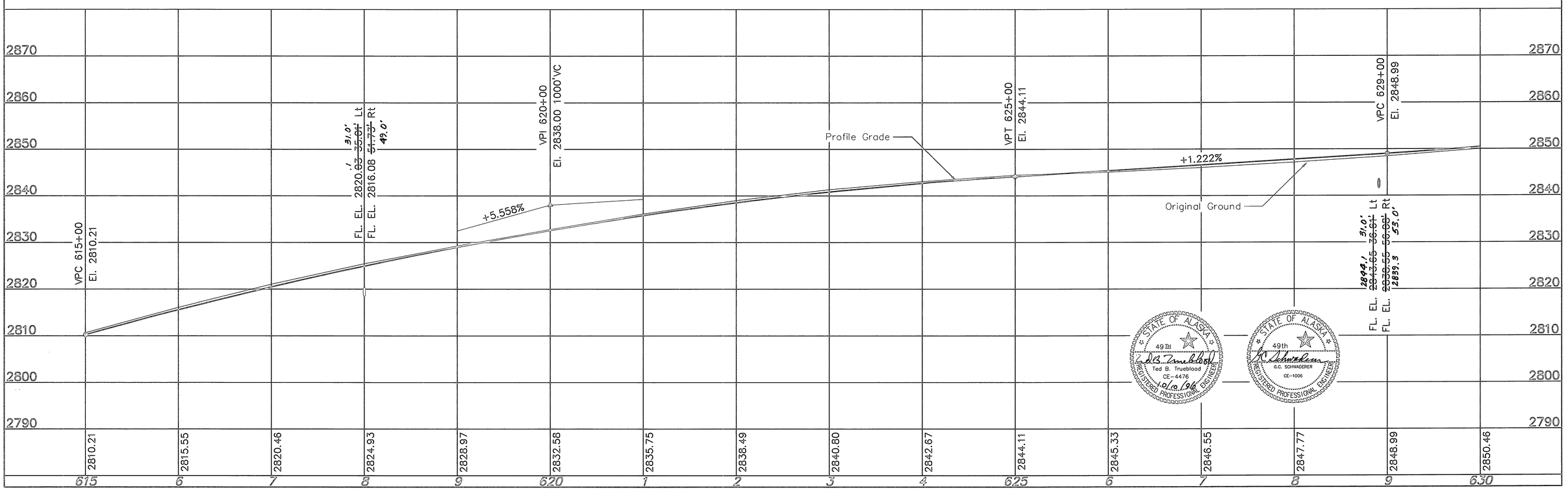
STATE OF ALASKA 49TH Ted B. Trueblood CE-4476 REGISTERED PROFESSIONAL ENGINEER 10/10/96

STATE OF ALASKA 49th G.C. SCHWADERER CE-1005 REGISTERED PROFESSIONAL ENGINEER

YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
1996	ALASKA	IR-0A1-5(4)/56454	E-17	148

USC&GS BM J-23 1944
Standard disk set in concrete post
34' left of Station 619+10
Elevation 2831.82 feet





STATE OF ALASKA 49TH
Ted B. Trueblood
CE-4476
10/10/96
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA 49th
G.C. SCHWADERER
CE-1005
REGISTERED PROFESSIONAL ENGINEER

YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
1996	ALASKA	IR-0A1-5(4)/56454	E-18	148

TNH BM A-7
Two-inch SurvKap on 5/8" aluminum rod
61' north of the pavement centerline
71' left of Station 640+00
Elevation 2905.71 feet

R/W

MATCH 630+00 LINE

N67°48'01"E – 14,349.25'

635

+00

PC 634+41.41

CVEA POWER LINE & MTA C25-24 LINE

R/W

TNH BM A-7

FOR LION'S HEAD PULLOUT
SEE SHEET E-37

1.25 (2)

+50

+50

640

PT 640+85.24

N71°01'10"E – 1,193.30'

MATCH 645+00 LINE

R/W

Δ = 3°13'09"
D=0°30'00"
R=11,459.16'
T=322.00'
L=643.83'
SE=NORMAL CROWN

2930
2920
2910
2900
2890
2880
2870
2860
2850

VPI 633+00
El. 2853.88 800'VC

FL. EL. ~~2856.27~~ 35.00' Lt
FL. EL. ~~2853.79~~ ~~43.74'~~ Rt
2854.5 43.0'

.40 31.0'

VPT 637+00
El. 2874.48

FL. EL. 2872.46 ~~37.56'~~ 31.0' Lt
FL. EL. ~~2866.27~~ ~~56.07'~~ 43.0' Rt
2872.0

Original Ground

+1.222%

+5.150%

Profile Grade

2850.46		2852.42		2854.87	2857.81		2861.24	2865.16		2869.58		2874.48	2879.63		2884.78	2889.93		2895.06	2900.23		2905.38	2910.53		2915.68
630	1		2		3	4		635	6		7	8		9	640	1		2		3	4		645	

STATE OF ALASKA 49TH
Ted B. Trueblood
CE-4476
10/10/96
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA 49th
G.C. SCHWADERER
CE-1006
REGISTERED PROFESSIONAL ENGINEER

YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
1996	ALASKA	IR-0A1-5(4)/56454	E-19	148

USC&GS TRIANGULATION STATION
GLEN EAST BASE 1944
Standard disk set in concrete post
34' left of Station 655+65
Elevation 2961.55 feet

USC&GS TRIANGULATION STATION
GLEN EAST BASE RM No. 1 1944
Standard disk set in concrete post
129' left of Station 655+68
Elevation 2971.41 feet

△=32°06'13"
D=2°00'00"
R=2,864.79'
T=824.27'
L=1,605.17'
SE=3.5%
TL=200'

△ GLEN EAST BASE 1944 RM No. 1

NOTE: 1/4 CORNER MONUMENT WAS SET BY ADOT&PF FROM RMs

GLACIAL FAN CREEK

MATCH 645+00 LINE

MATCH 660+00 LINE

SEE SHEET D-19

N87°31'41"E 2,651.53'

N71°01'10"E – 1,193.30'

N87°35'32"E 2640.79'

N 2°29'02"W

N2°09'23"W

PC 652+78.54

654+47.34

651+59.90

86.72'

100'

75'

8'-10" x 6'4" x 112.5' Aluminum SPP

OHT

RM

R/W

CVEA POWER LINE & MTA C25-24 LINE

GLEN EAST BASE 1944 △

VPC 647+00
El. 2925.98

VPI 655+00
El. 2967.18
1600'VC

+5.150%

+0.905%

Profile Grade

Original Ground

Fl. El. 2939.67 ~~34.77'~~ 31.0' Lt
Fl. El. ~~2936.29~~ 2935.6 ~~50.00'~~ 49.0' Rt

Fl. El. 2956.04 ~~46.78'~~ 38.0' Lt.
Fl. El. 2944.41 ~~74.58'~~ 14.5' Rt.

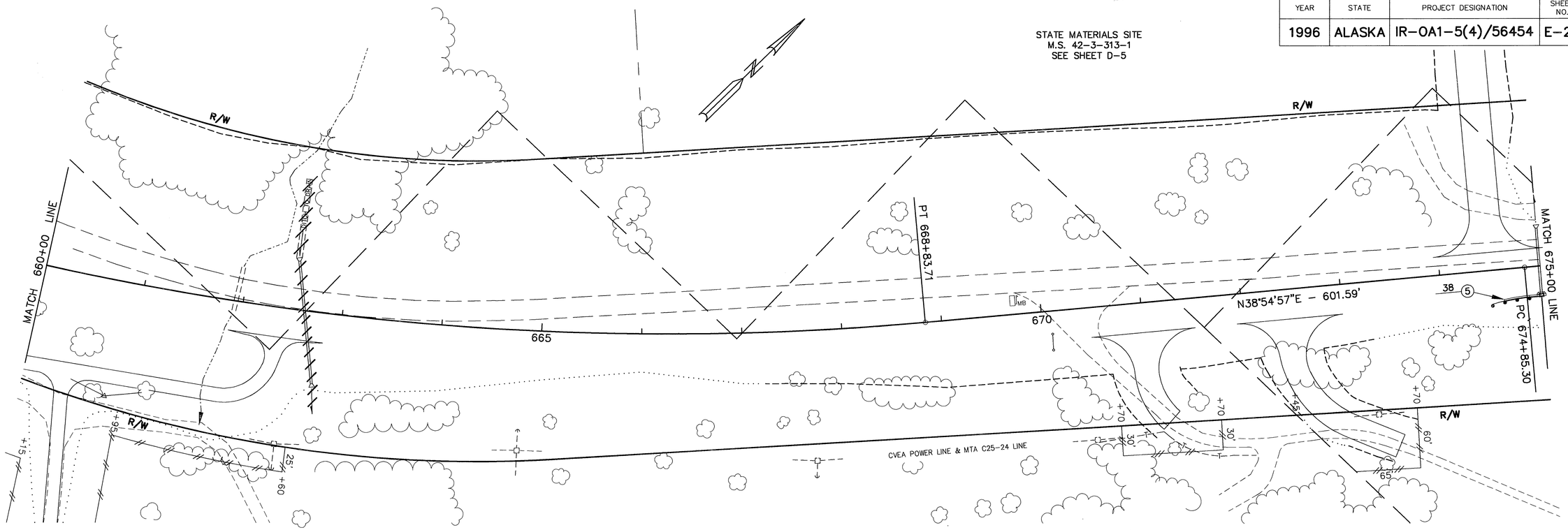
2915.68	2920.83	2925.98	2931.00	2935.75	2940.24	2944.46	2948.41	2952.11	2955.53	2958.69	2961.59	2964.22	2966.58	2968.68	2970.51						
645	6	7	8	9	650	1	2	3	4	655	6	7	8	9	660						

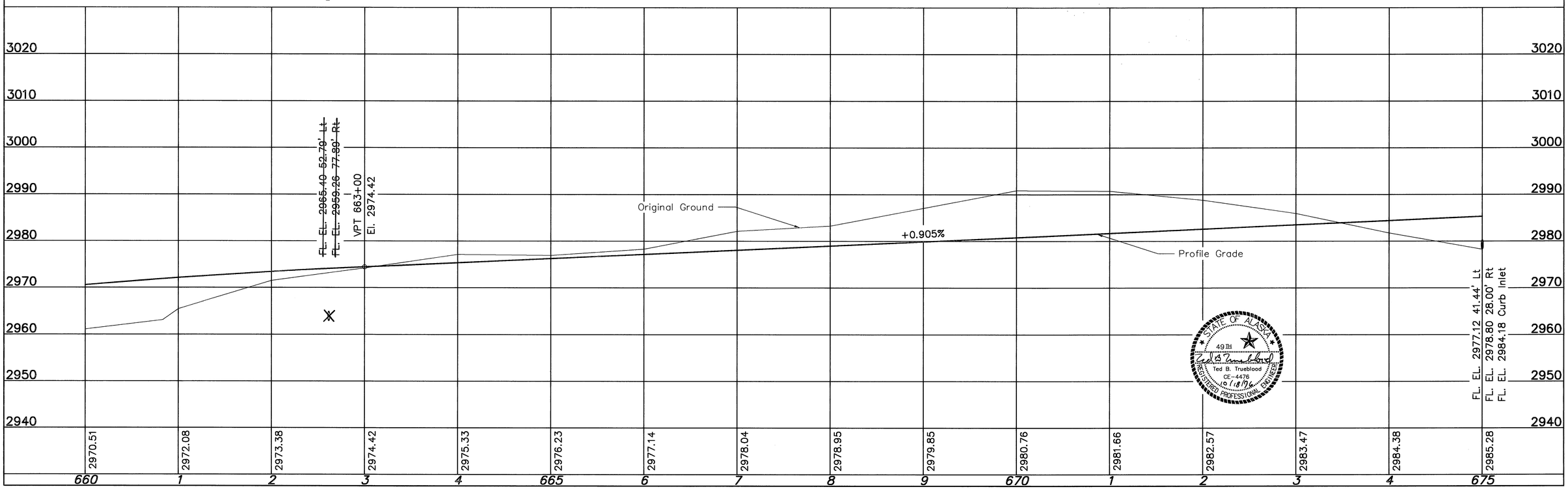
STATE OF ALASKA
49TH
Ted B. Trueblood
CE-4476
10/10/96
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
49th
G.C. SCHWABERER
CE-1005
REGISTERED PROFESSIONAL ENGINEER

YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
1996	ALASKA	IR-0A1-5(4)/56454	E-20	148

STATE MATERIALS SITE
M.S. 42-3-313-1
SEE SHEET D-5





STATE OF ALASKA
49TH
Ted B. Trueblood
CE-4476
REGISTERED PROFESSIONAL ENGINEER
10/18/96

YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
1996	ALASKA	IR-0A1-5(4)/56454	E-21	148

TNH BM A-8
Two-inch SurvKap on 5/8" aluminum rod
36' northwest of the pavement centerline
150' left of Station 682+40
Elevation 2995.77 feet

STATE MATERIALS SITE
M.S. 42-3-313-1
SEE SHEET D-5

POND

TNH BM A-8

SEE SHEET E-38

R/W

1.50 (2)

115

680+35

680

685

100'

150'

844.17'

N2°12'07"W — 1,794.05'

684+63.28

24" x 104' CMP

(5) 531

+50

CVEA POWER LINE

MTA C25-24 LINE

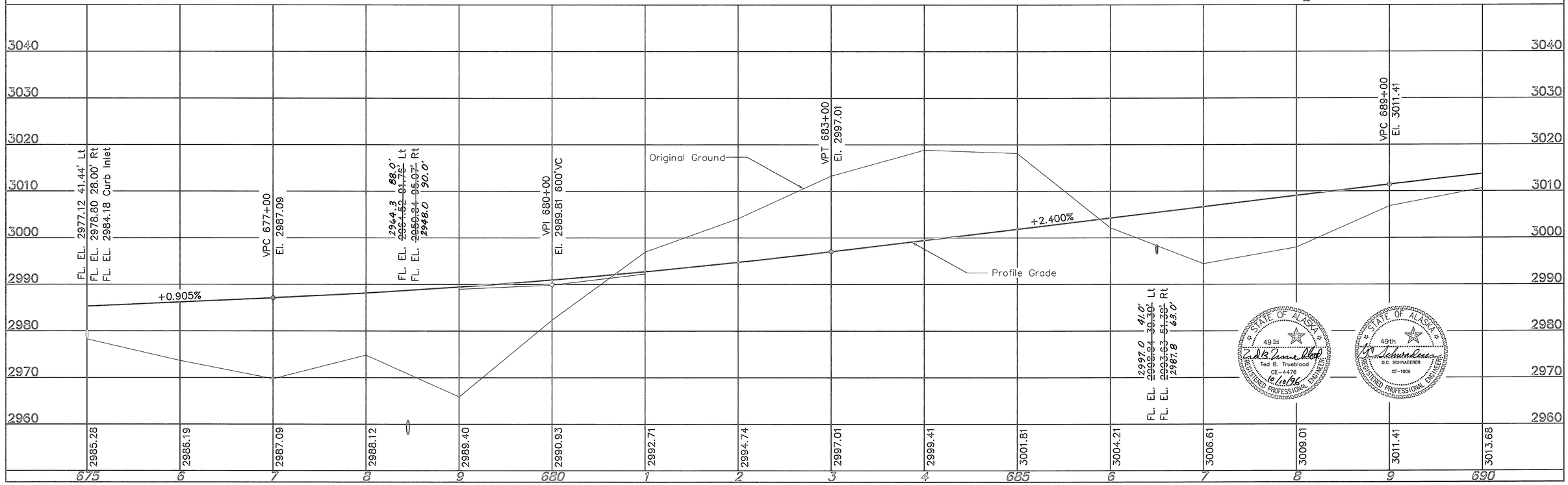
END OF MTA CABLE

MATCH 675+00 LINE

MATCH 690+00 LINE

△=60°05'32"
D=3°00'00"
R=1,909.86'
T=1,104.71'
L=2,003.07'
SE=4.5%
TL=235'

16 15 21 22

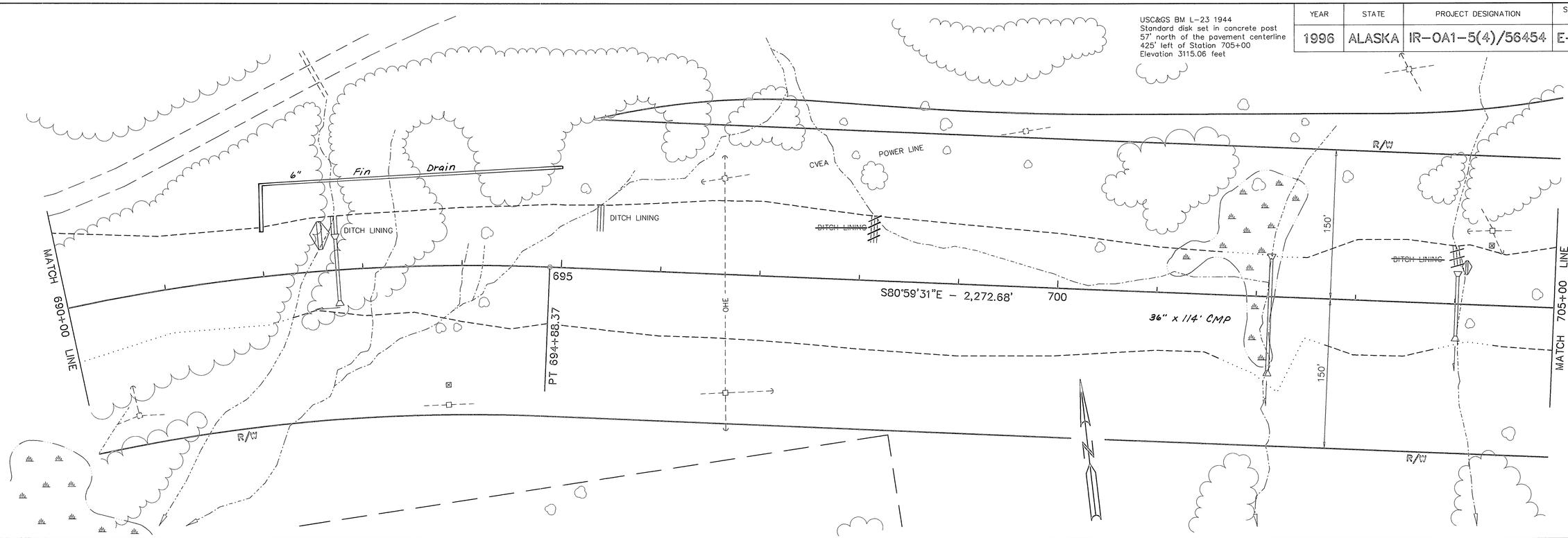


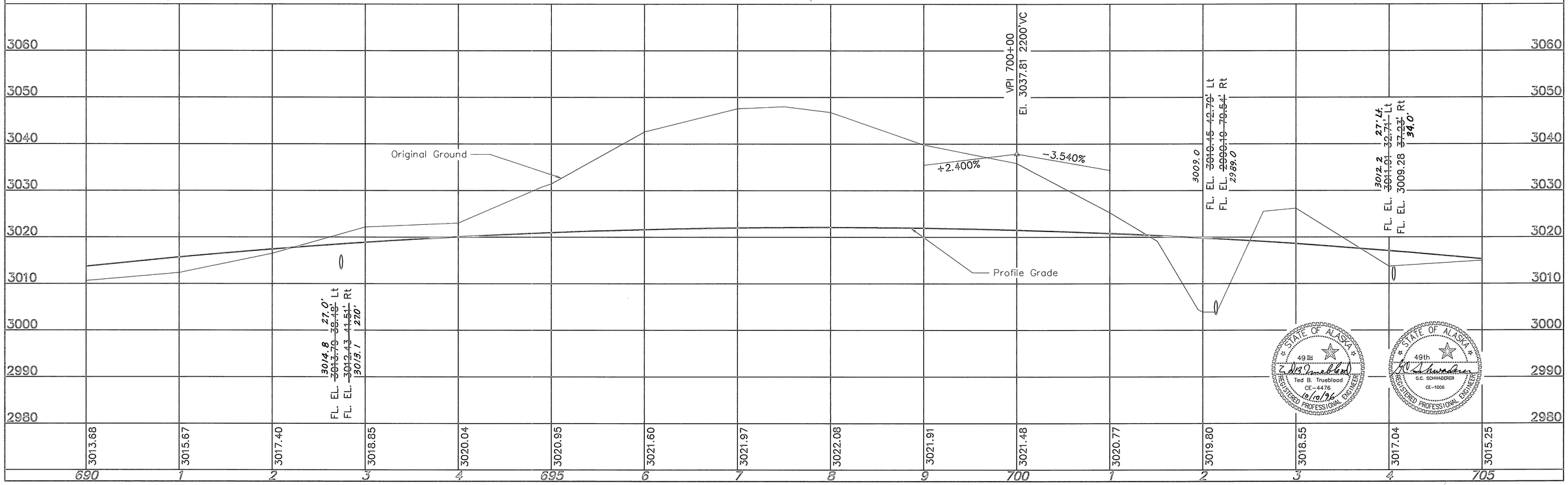
STATE OF ALASKA
49TH
Ted B. Trueblood
CE-4476
REGISTERED PROFESSIONAL ENGINEER
10/10/96

STATE OF ALASKA
49th
G.C. SCHWABERER
CE-1006
REGISTERED PROFESSIONAL ENGINEER

YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
1996	ALASKA	IR-0A1-5(4)/56454	E-22	148

USC&GS BM L-23 1944
Standard disk set in concrete post
57' north of the pavement centerline
425' left of Station 705+00
Elevation 3115.06 feet



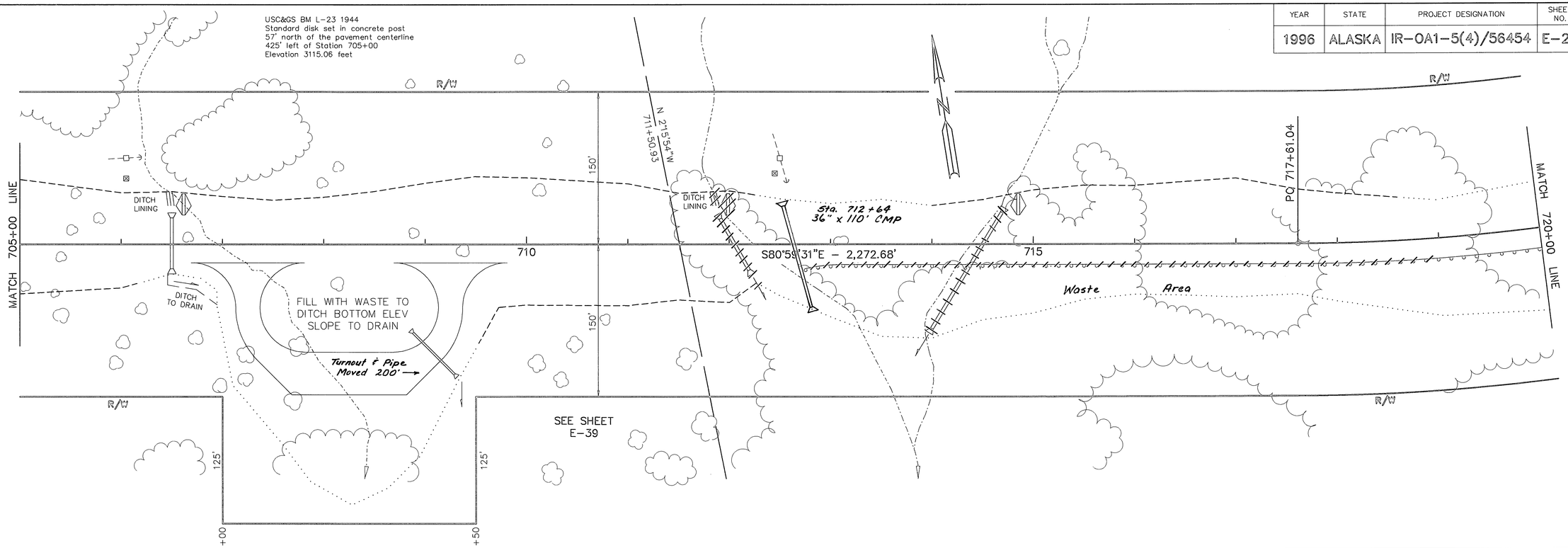


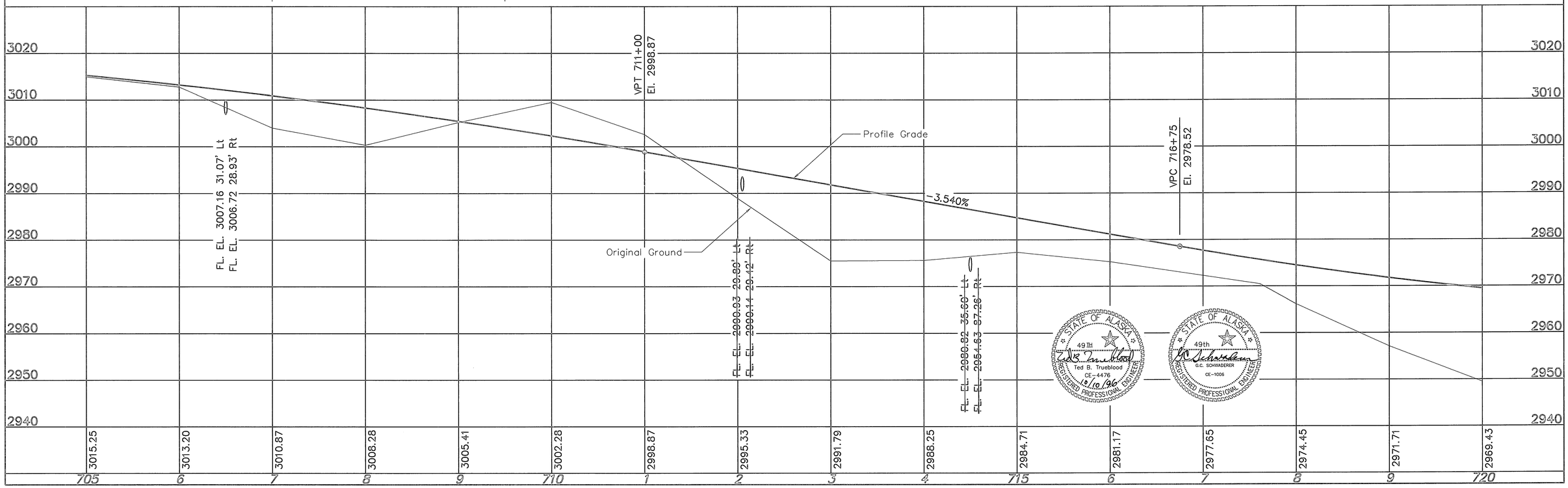
STATE OF ALASKA
49th
Ted B. Trueblood
CE-4476
REGISTERED PROFESSIONAL ENGINEER
10/10/96

STATE OF ALASKA
49th
D.C. SCHRADERER
CE-1005
REGISTERED PROFESSIONAL ENGINEER

YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
1996	ALASKA	IR-0A1-5(4)/56454	E-23	148

USC&GS BM L-23 1944
Standard disk set in concrete post
57' north of the pavement centerline
425' left of Station 705+00
Elevation 3115.06 feet



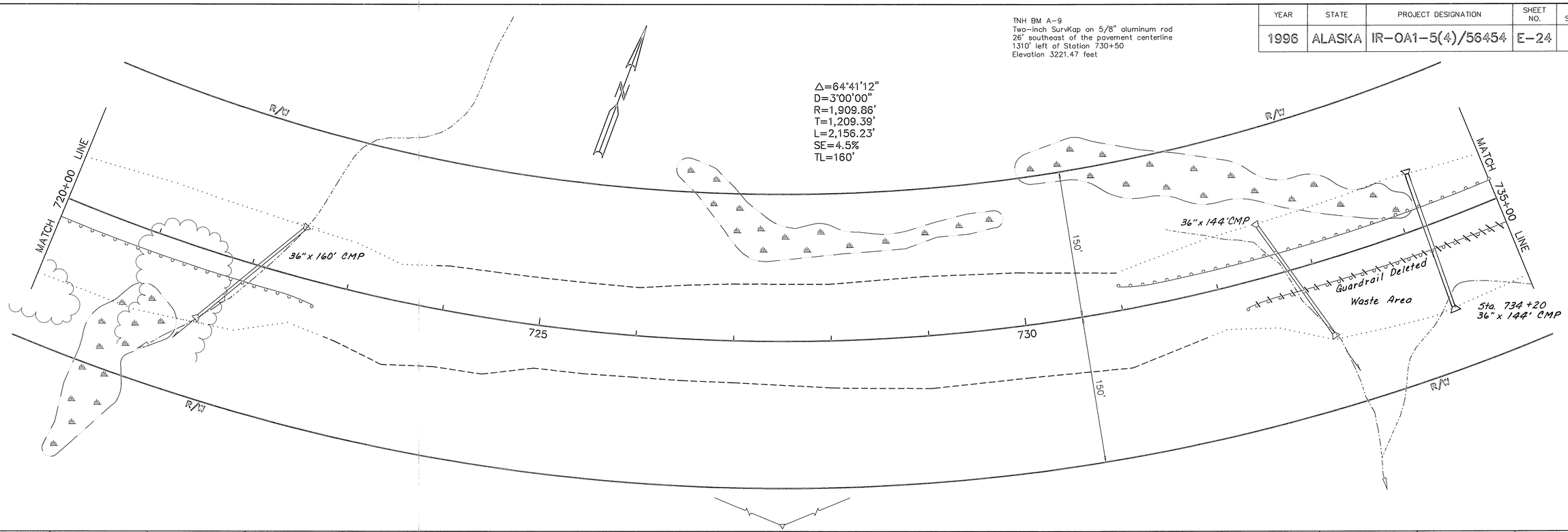


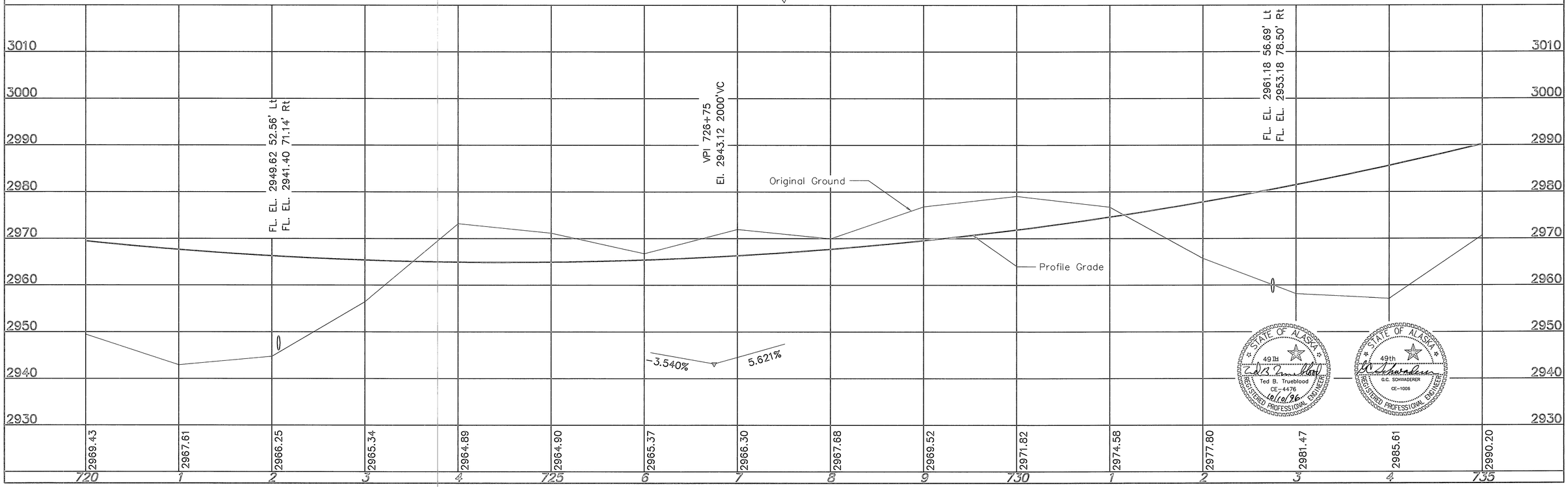
STATE OF ALASKA
49TH
Ted B. Trueblood
CE-4476
10/10/96
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
49th
G.C. SCHWADERER
CE-1005
REGISTERED PROFESSIONAL ENGINEER

YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
1996	ALASKA	IR-0A1-5(4)/56454	E-24	148

TNH BM A-9
Two-inch SurvKap on 5/8" aluminum rod
26' southeast of the pavement centerline
1310' left of Station 730+50
Elevation 3221.47 feet

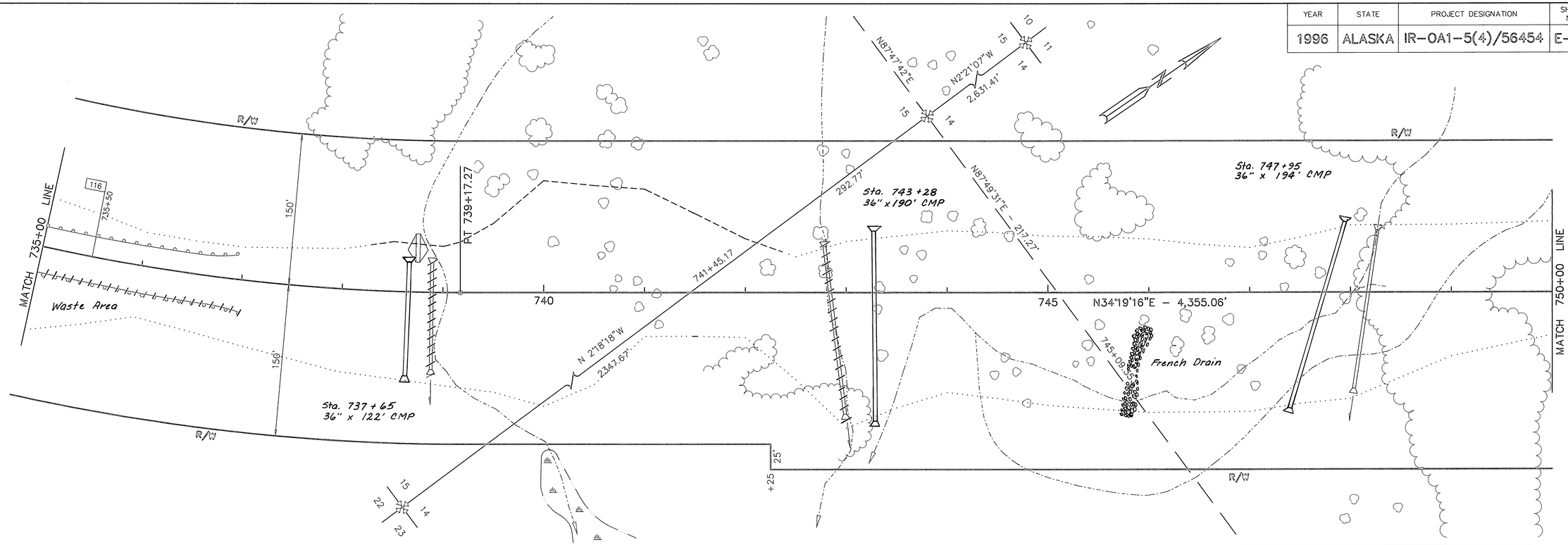


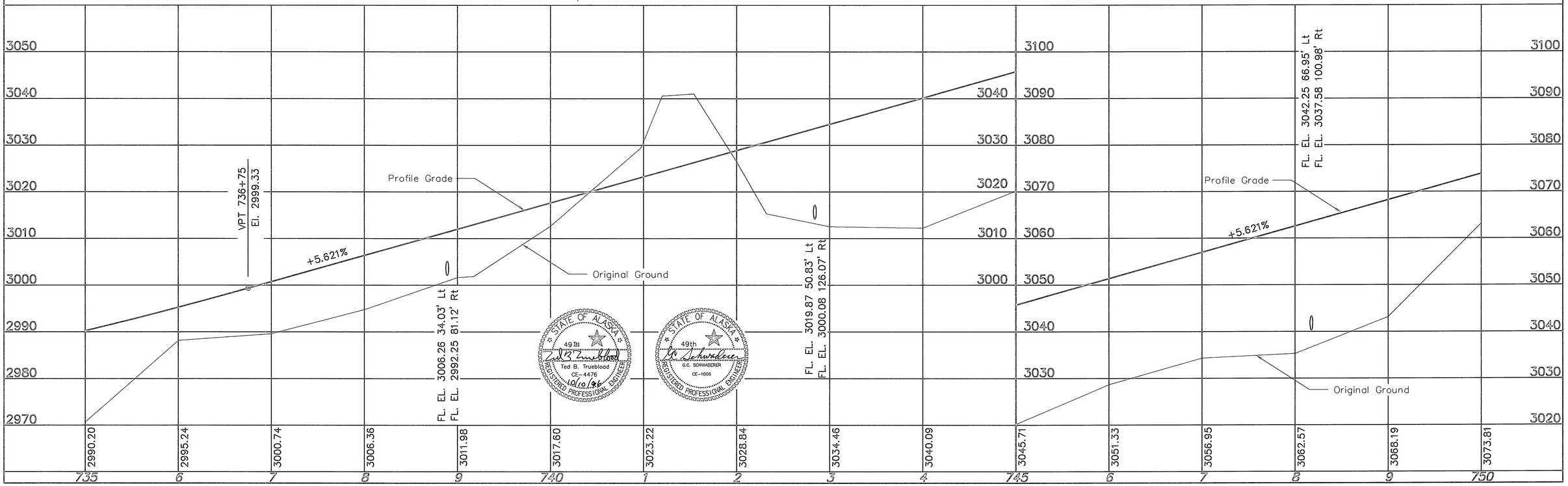


STATE OF ALASKA 49TH REGISTERED PROFESSIONAL ENGINEER
Ted B. Trueblood
CE-4476
10/10/96

STATE OF ALASKA 49th REGISTERED PROFESSIONAL ENGINEER
G.C. SCHWADERER
CE-1006

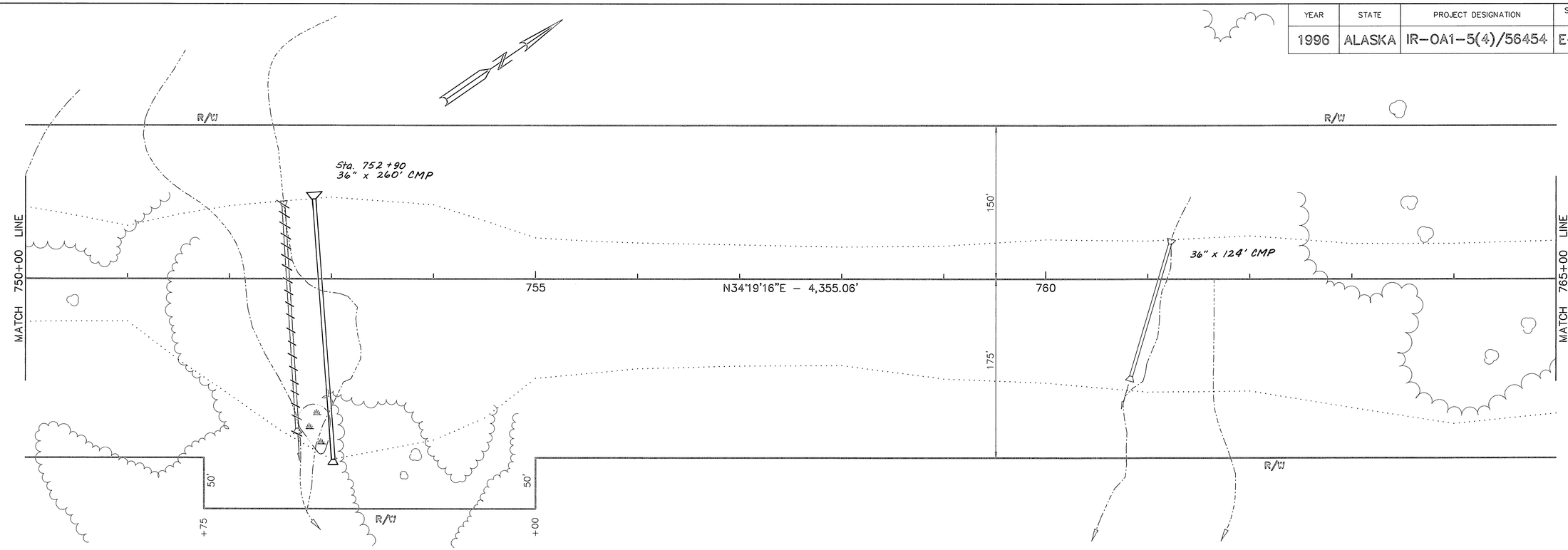
YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
1996	ALASKA	IR-0A1-5(4)/56454	E-25	148

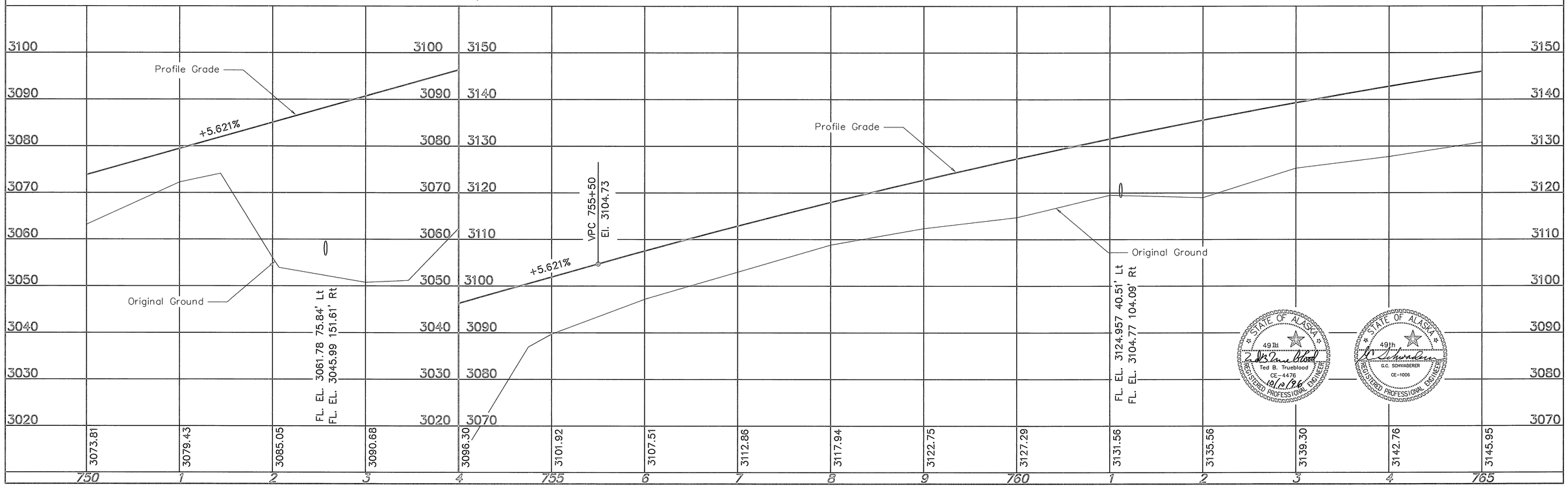




G109-E25 – 10/07/96

YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
1996	ALASKA	IR-0A1-5(4)/56454	E-26	148



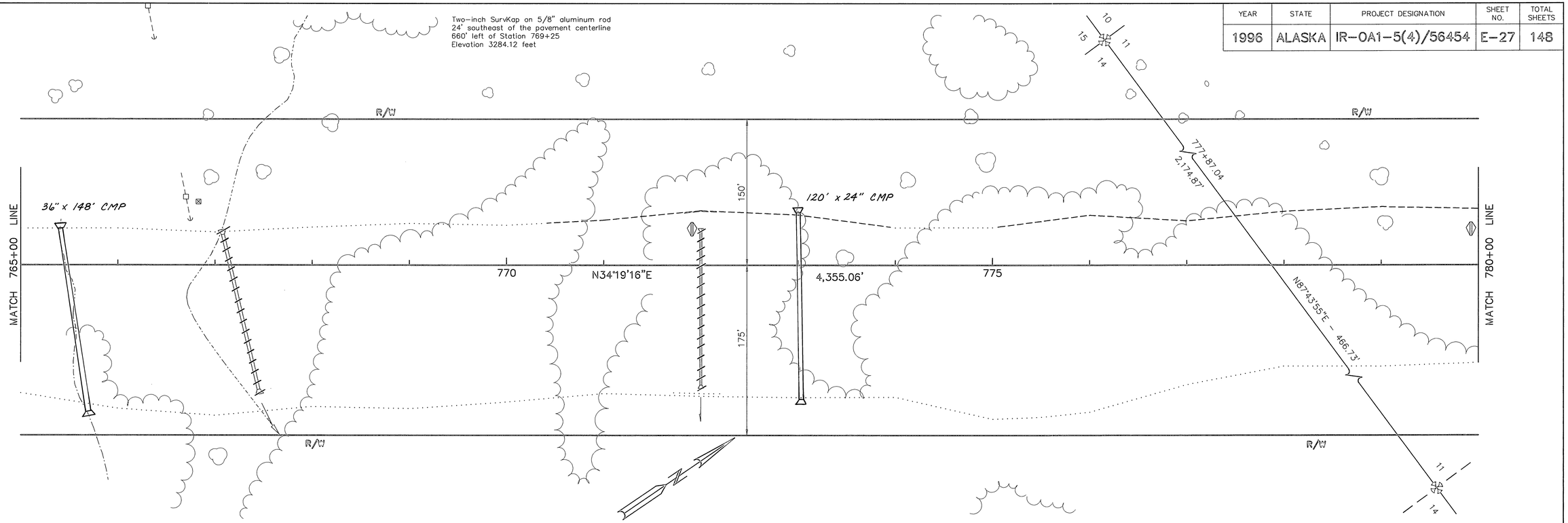


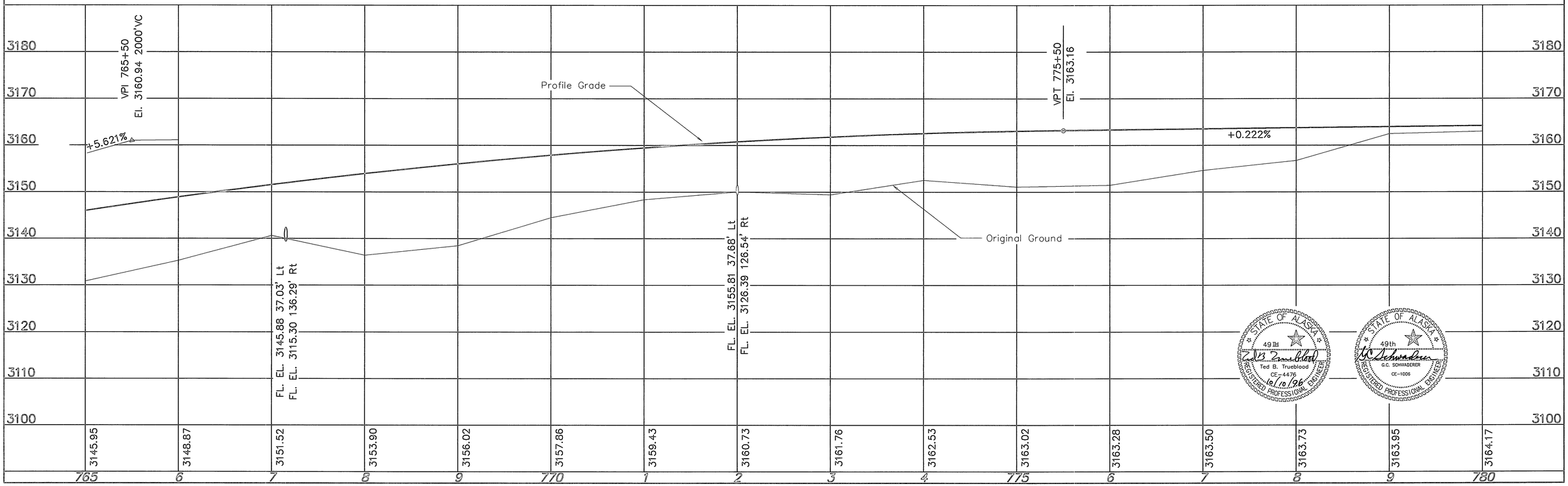
STATE OF ALASKA 49TH REGISTERED PROFESSIONAL ENGINEER
Ted B. Trueblood
CE-4476
10/15/96

STATE OF ALASKA 49TH REGISTERED PROFESSIONAL ENGINEER
G.C. SCHWABERER
CE-1005

YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
1996	ALASKA	IR-0A1-5(4)/56454	E-27	148

Two-inch SurvKap on 5/8" aluminum rod
24' southeast of the pavement centerline
660' left of Station 769+25
Elevation 3284.12 feet

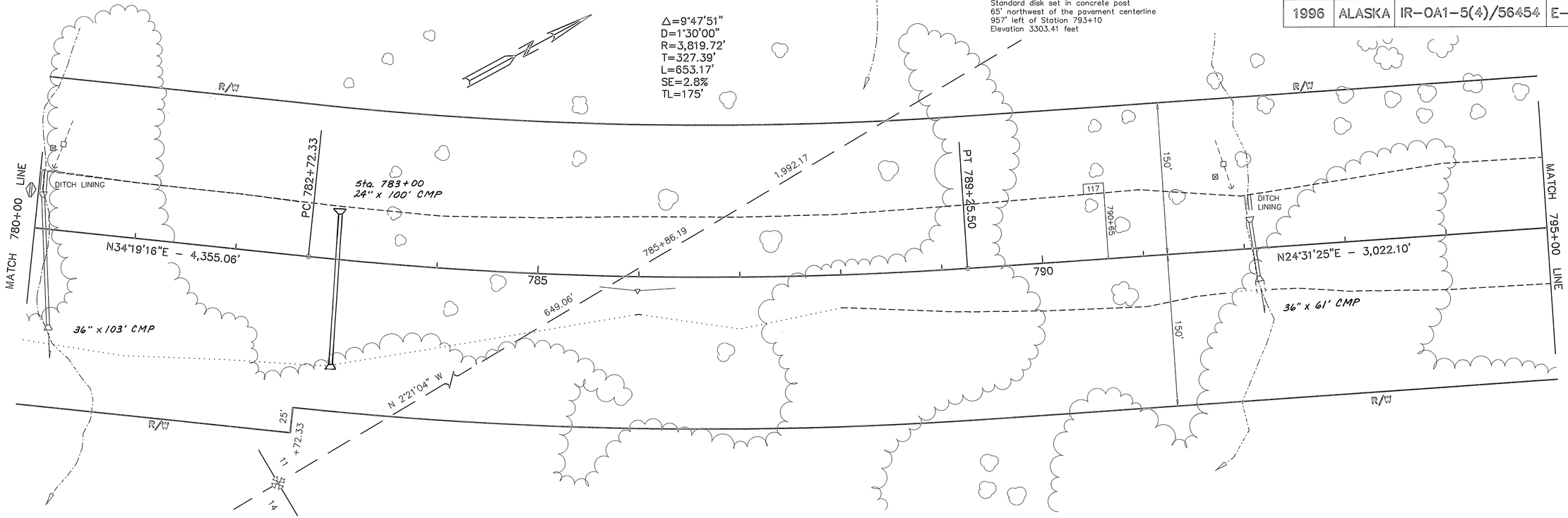


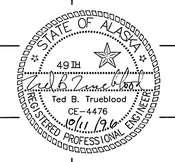


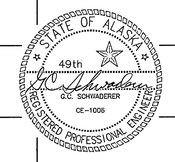
STATE OF ALASKA 49TH
Ted B. Trueblood
CE-4476
10/10/96
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA 49th
G.C. SCHWADERER
CE-1006
REGISTERED PROFESSIONAL ENGINEER

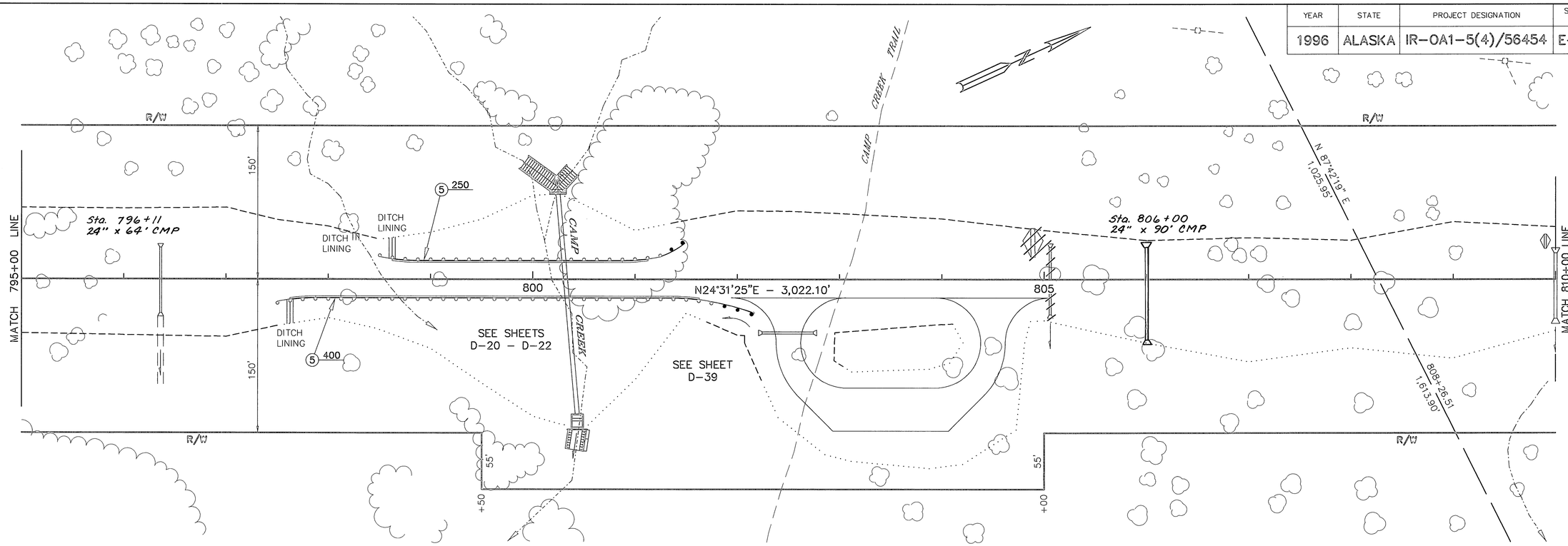
YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
1996	ALASKA	IR-0A1-5(4)/56454	E-28	148

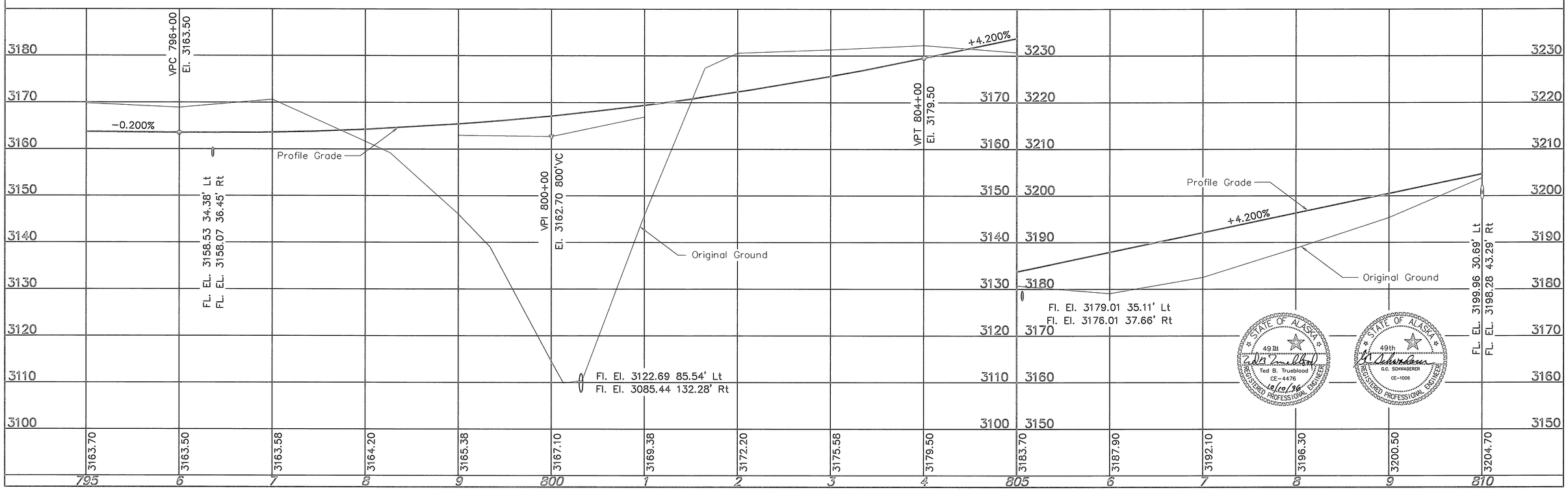






YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
1996	ALASKA	IR-0A1-5(4)/56454	E-29	148



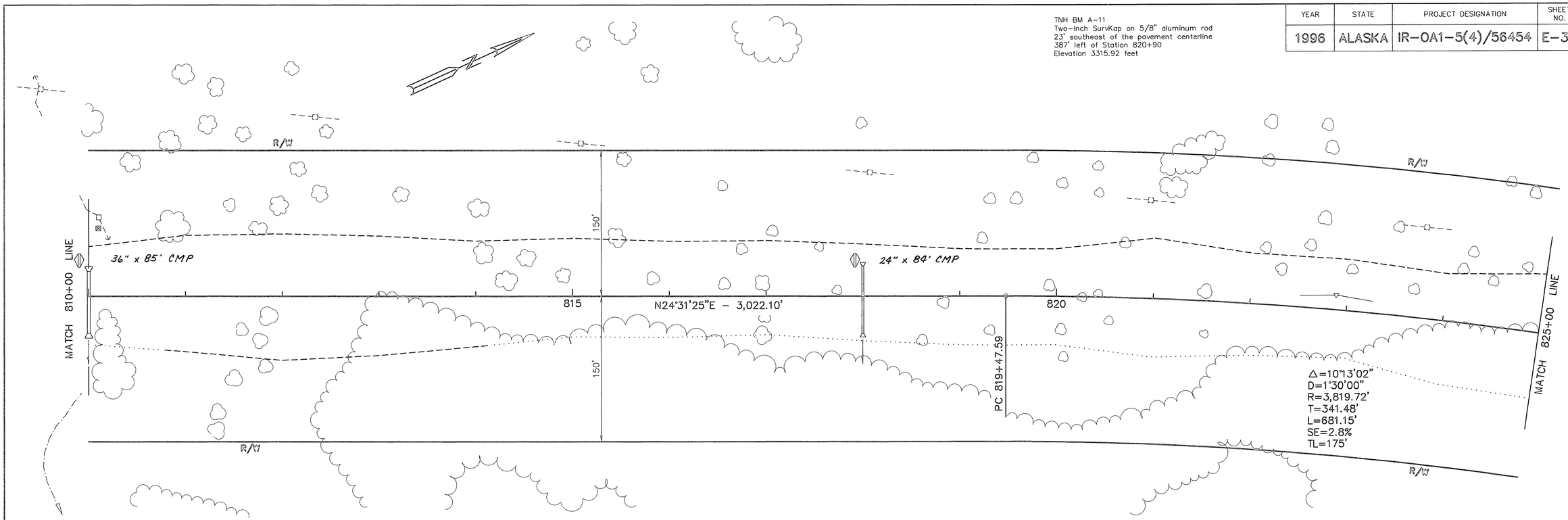


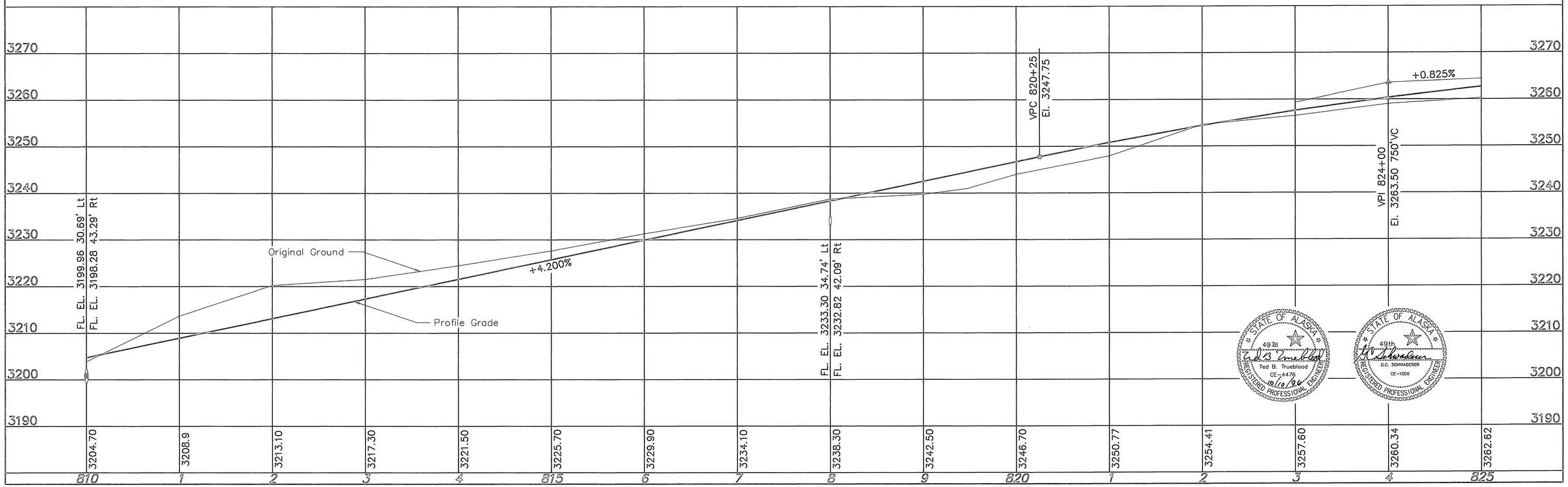
STATE OF ALASKA 49TH REGISTERED PROFESSIONAL ENGINEER Ted B. Trueblood CE-4476 10/10/96

STATE OF ALASKA 49th REGISTERED PROFESSIONAL ENGINEER R.C. SCHWAEDERER CE-1005

YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
1996	ALASKA	IR-0A1-5(4)/56454	E-30	148

TNH BM A-11
Two-inch SurvKap on 5/8" aluminum rod
23' southeast of the pavement centerline
387' left of Station 820+90
Elevation 3315.92 feet



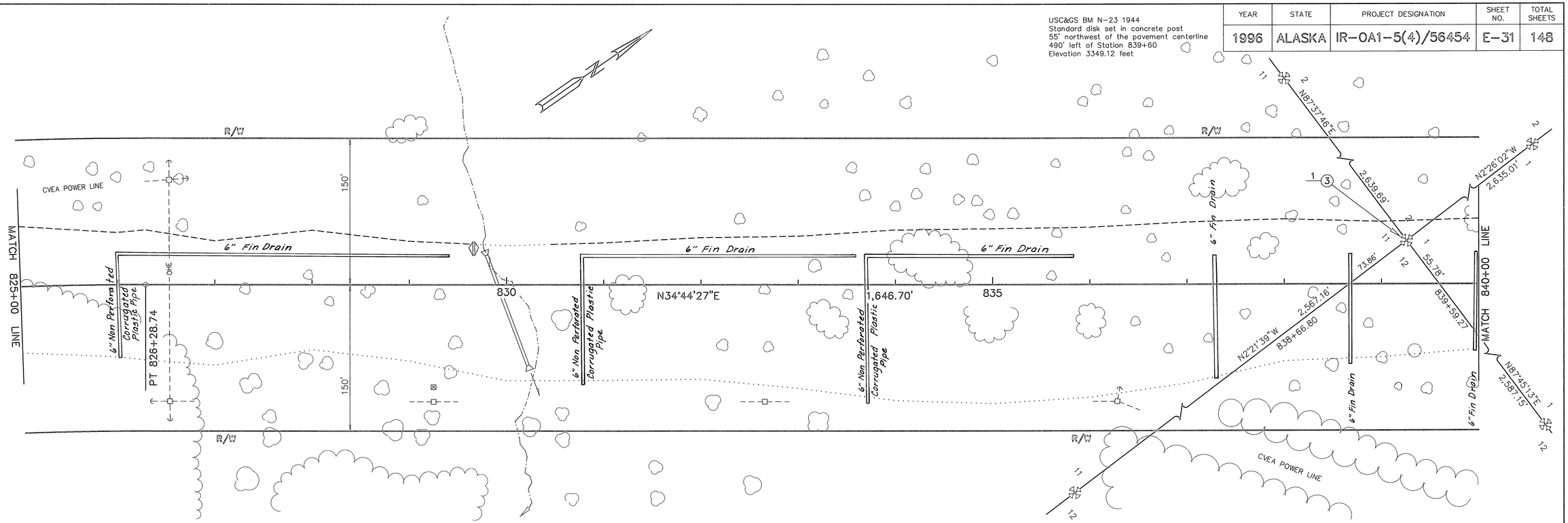


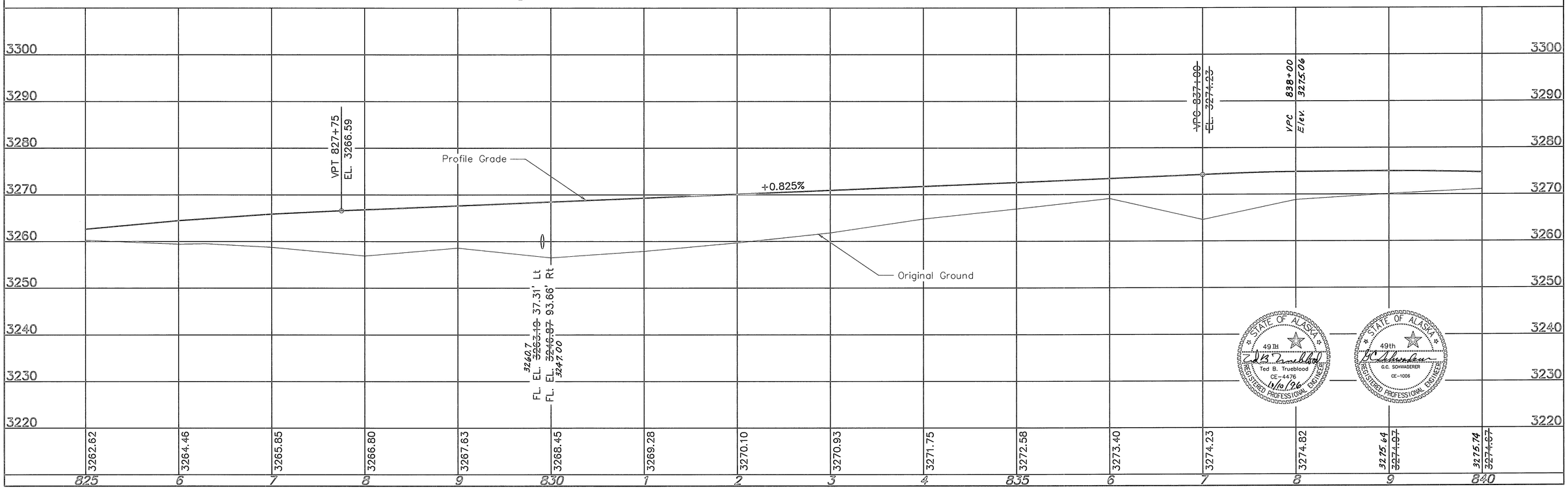
STATE OF ALASKA 49TH REGISTERED PROFESSIONAL ENGINEER Ted B. Trueblood CE-4476 10/10/96

STATE OF ALASKA 49TH REGISTERED PROFESSIONAL ENGINEER G.C. SCHWABERER CE-1005

USC&GS BM N-23 1944
Standard disk set in concrete post
55' northwest of the pavement centerline
490' left of Station 839+60
Elevation 3349.12 feet

YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
1996	ALASKA	IR-0A1-5(4)/56454	E-31	148

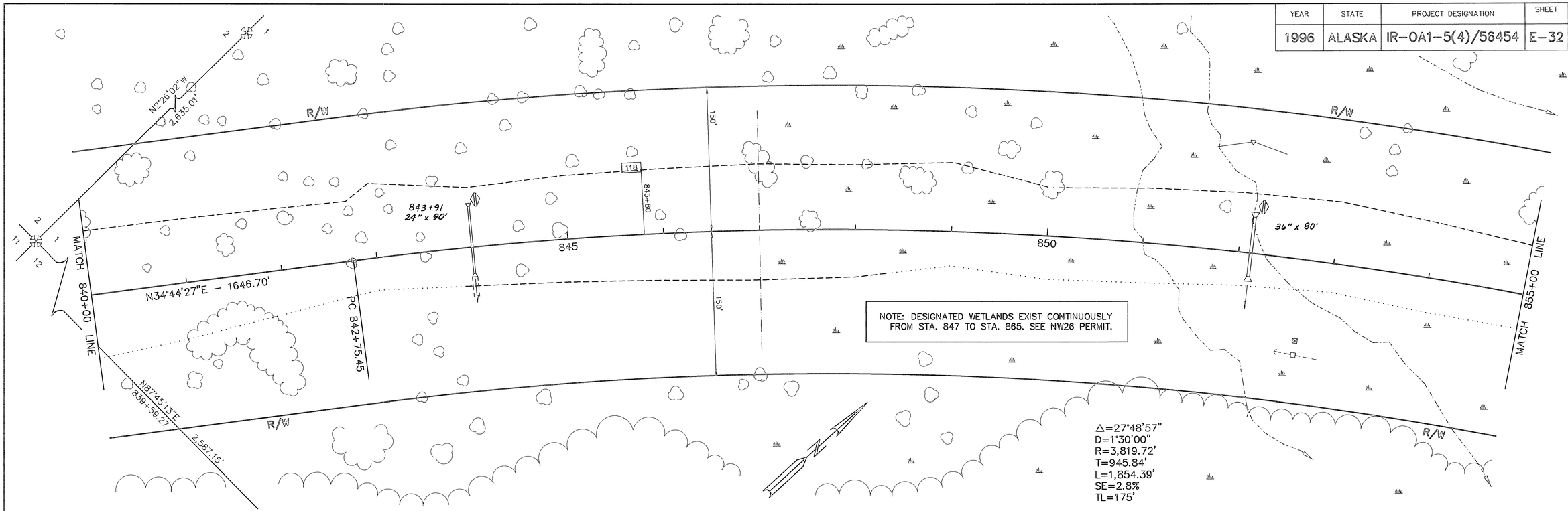


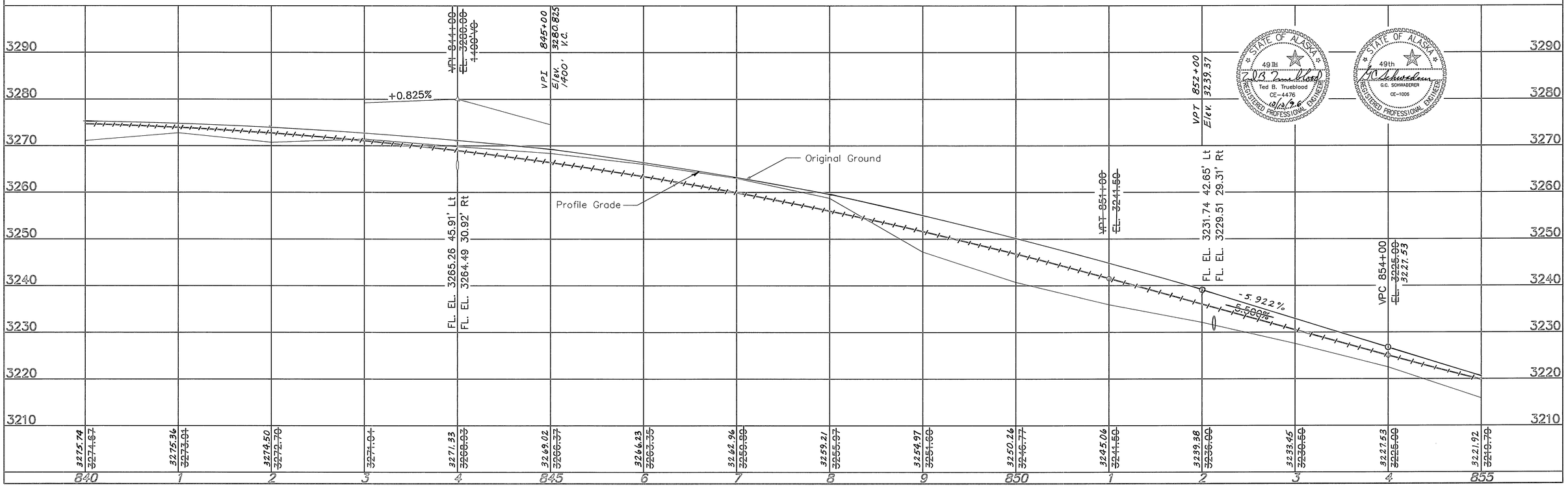


STATE OF ALASKA 49TH REGISTERED PROFESSIONAL ENGINEER
Ted B. Trueblood
CE-4476
12/10/96

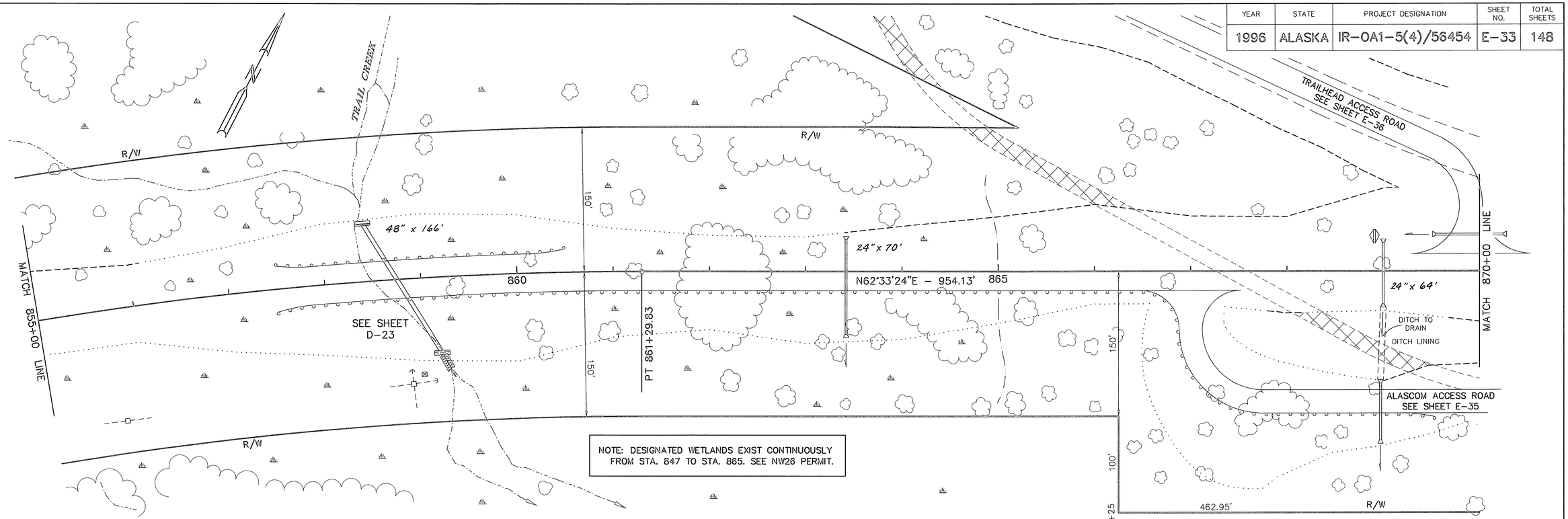
STATE OF ALASKA 49th REGISTERED PROFESSIONAL ENGINEER
G.C. SCHWABERER
CE-1006

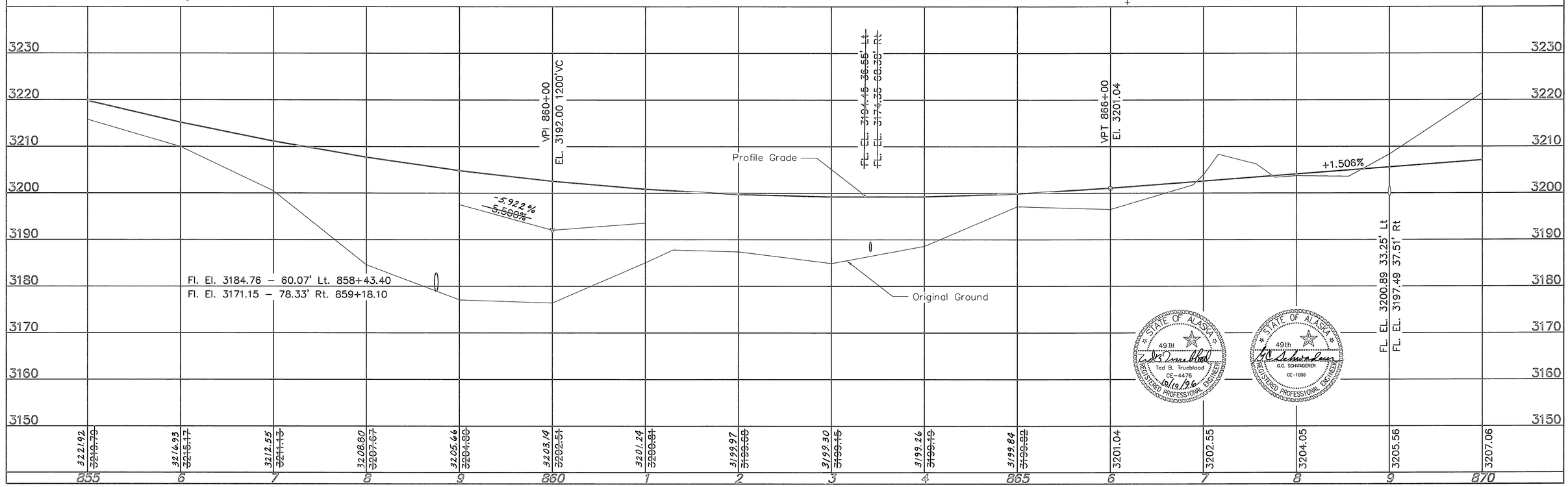
YEAR	STATE	PROJECT DESIGNATION	SHEET	TOTAL SHEETS
1996	ALASKA	IR-0A1-5(4)/56454	E-32	148





YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
1996	ALASKA	IR-0A1-5(4)/56454	E-33	148





STATE OF ALASKA
49TH
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10/10/96
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
49th
G.C. SCHWADERER
CE-1006
REGISTERED PROFESSIONAL ENGINEER

YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
1996	ALASKA	IR-0A1-5(4)/56454	E-34	148

TRAILHEAD ACCESS ROAD
SEE SHEET E-36

R/W

N2°21'07"W 774.85'
871+98.15

Δ=18°42'07"
D=2°00'00"
R=2864.79'
T=471.75'
L=935.10'
SE=3.5%
TL=150'

N87°35'32"E 977.99'
884+52.19

R/W

E.O.P. TO P.O.T.
N 43°51'17" E
2247.04'

PC 870+83.96

PT 880+19.06

LINE

MATCH 870+00

N62°33'24"E
954.13'

875

24" x 100'

③ 1

880

N43°51'17"E - 245.94'

885

EOP 882+65.00
= 70+60.97 AHD

1,862.65'

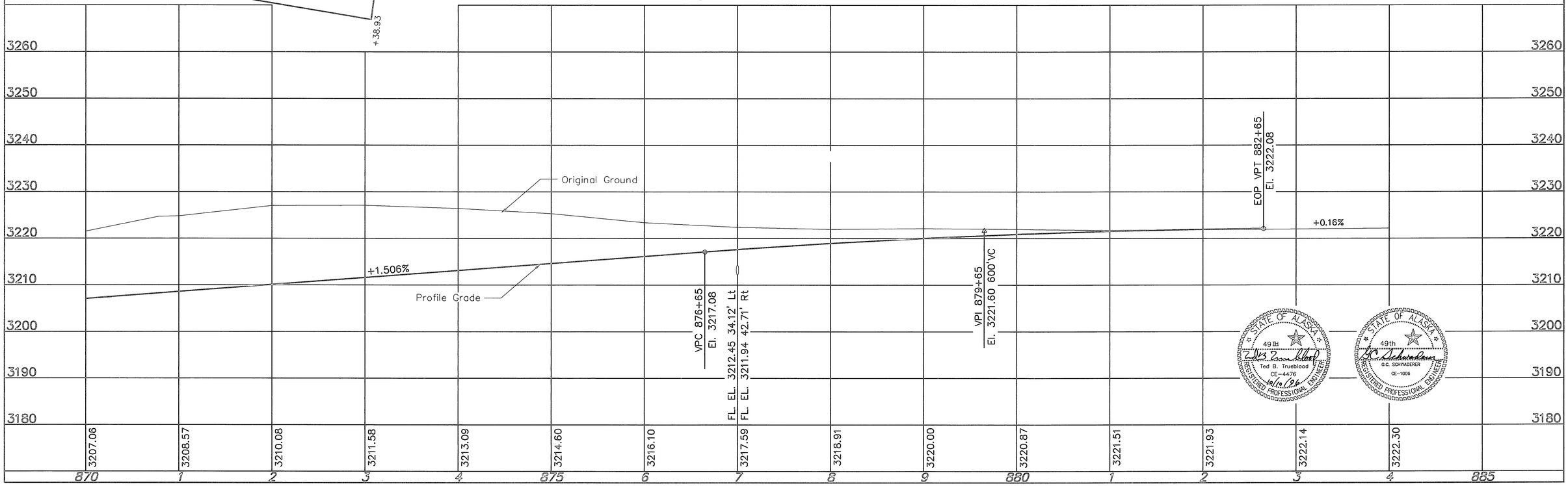
ALASCOM ACCESS ROAD
SEE SHEET E-35

R/W

83.82'

+38.93

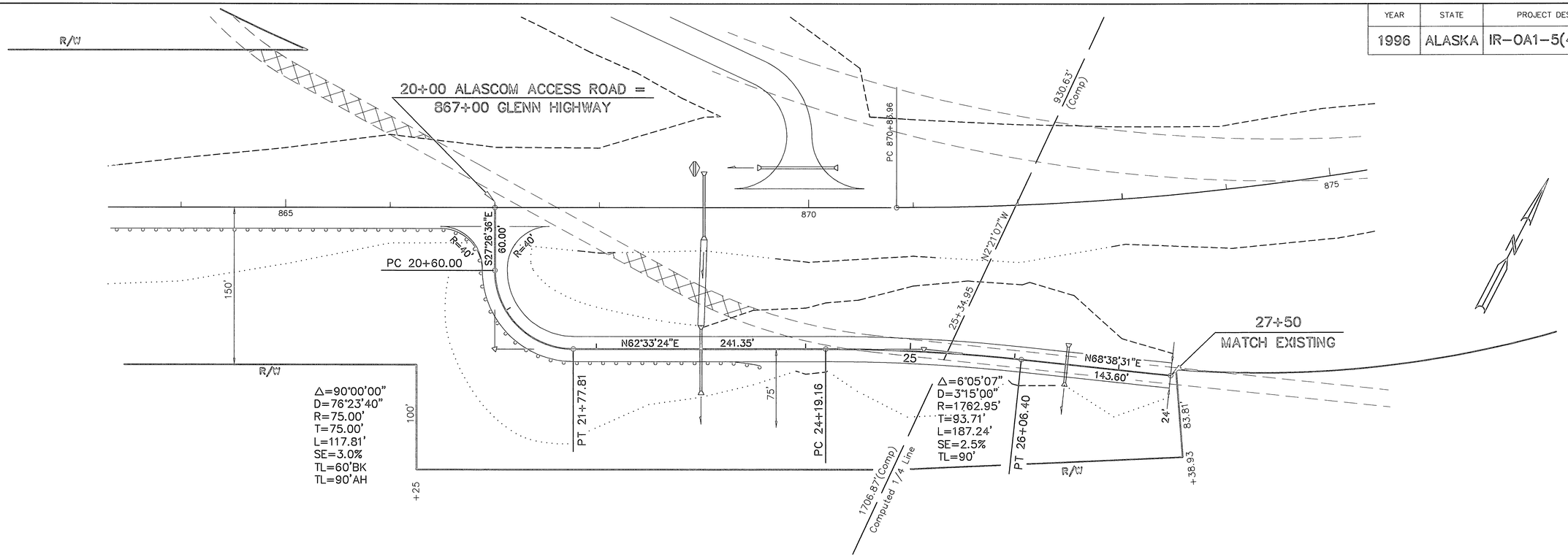
BM P-23, RESET 1993
ALUMINUM ROD IN PVC PIPE
886+55, 201' RT
ELEV. = 3182.74'

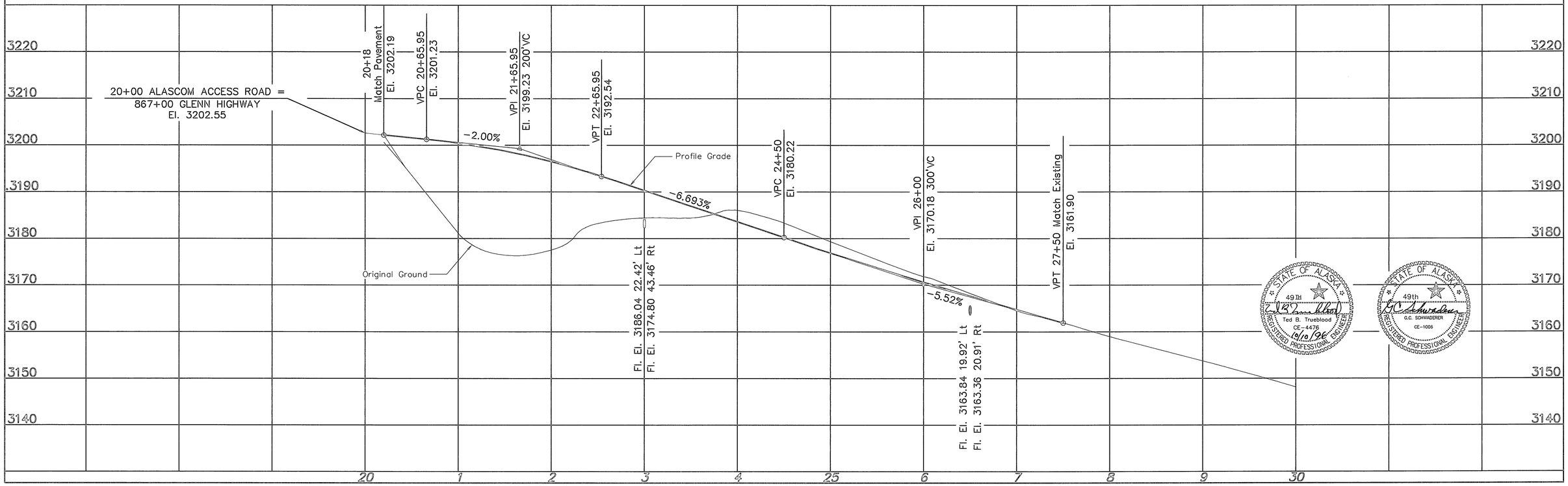


STATE OF ALASKA 49TH
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10/10/96
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STATE OF ALASKA 49th
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CE-1006
REGISTERED PROFESSIONAL ENGINEER

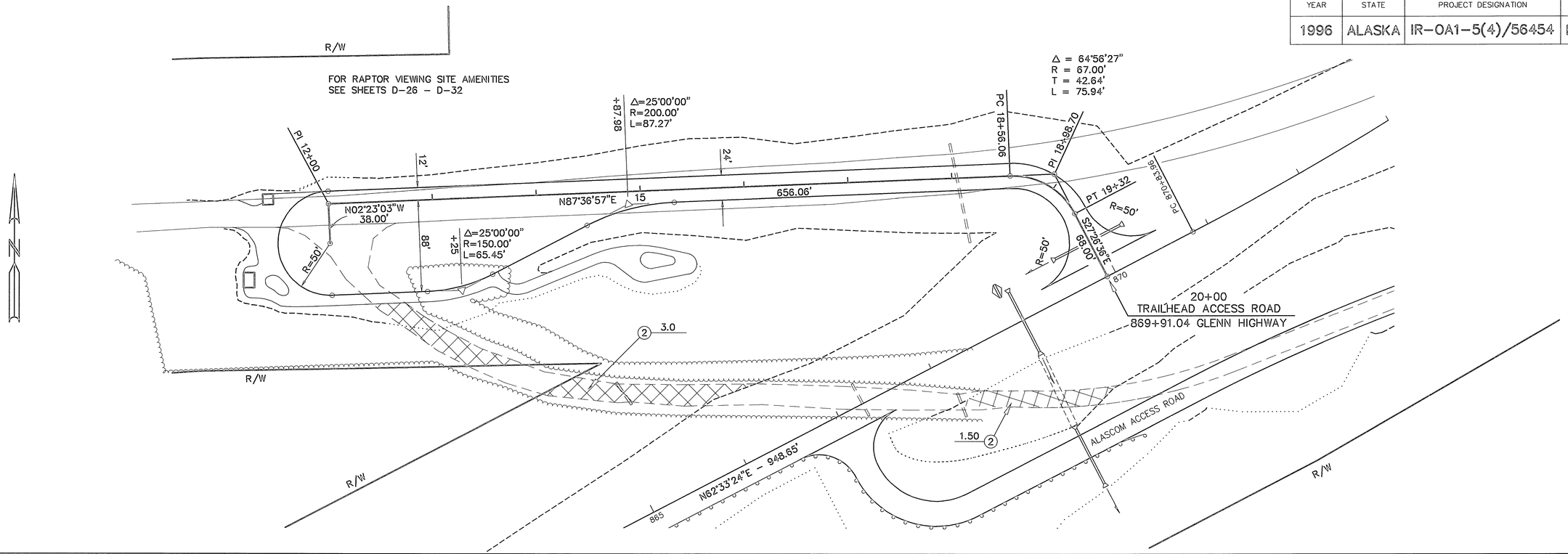
YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
1996	ALASKA	IR-0A1-5(4)/56454	E-35	148

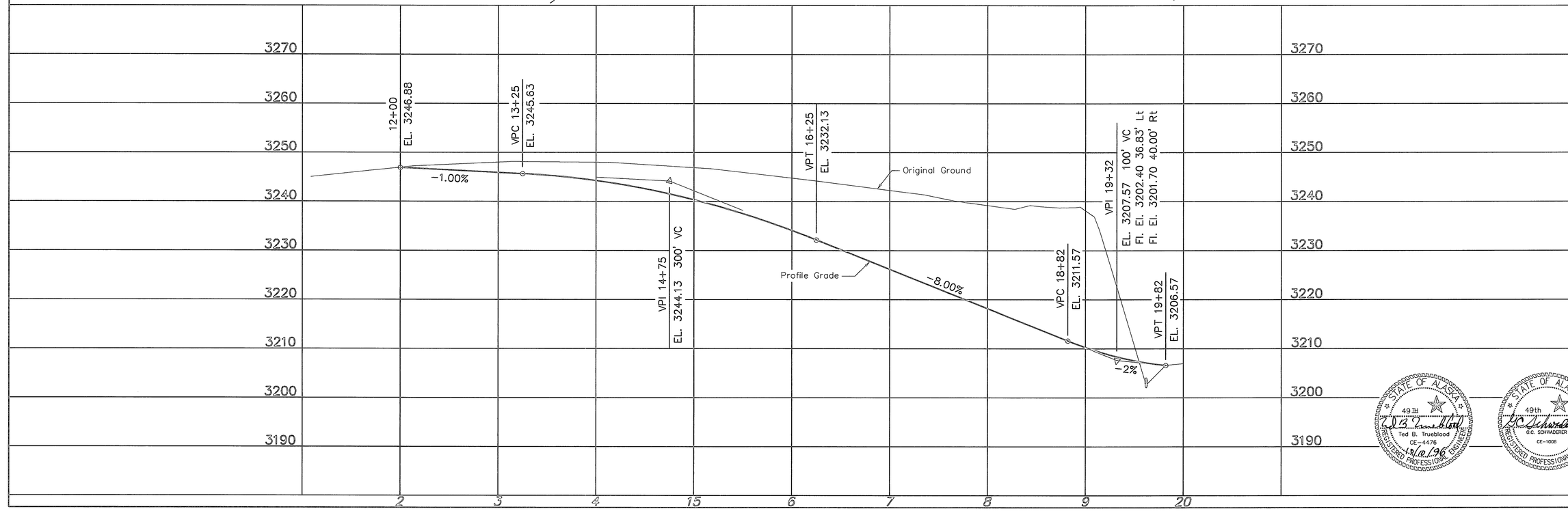




ALASCOM ACCESS ROAD

YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
1996	ALASKA	IR-0A1-5(4)/56454	E-36	148

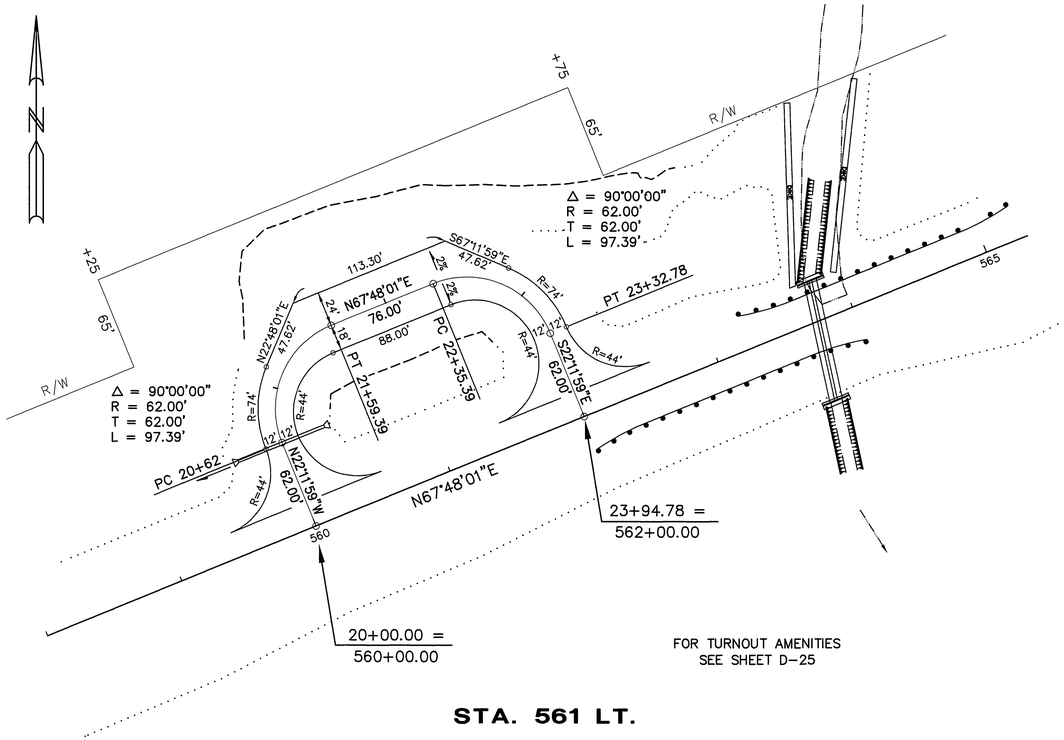




STATE OF ALASKA
49TH
Ted B. Trueblood
CE-4476
REGISTERED PROFESSIONAL ENGINEER
10/10/96

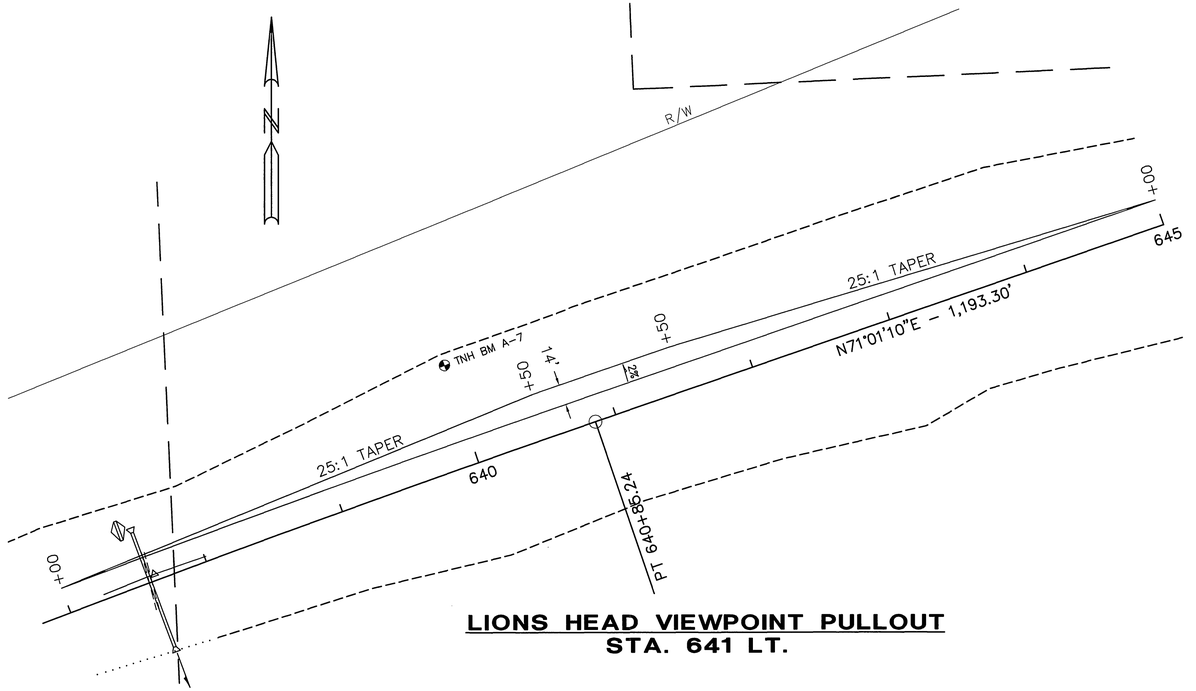
STATE OF ALASKA
49th
G.C. SCHWADERER
CE-1006
REGISTERED PROFESSIONAL ENGINEER

YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
1996	ALASKA	IR-0A1-5(4)/56454	E-37	148

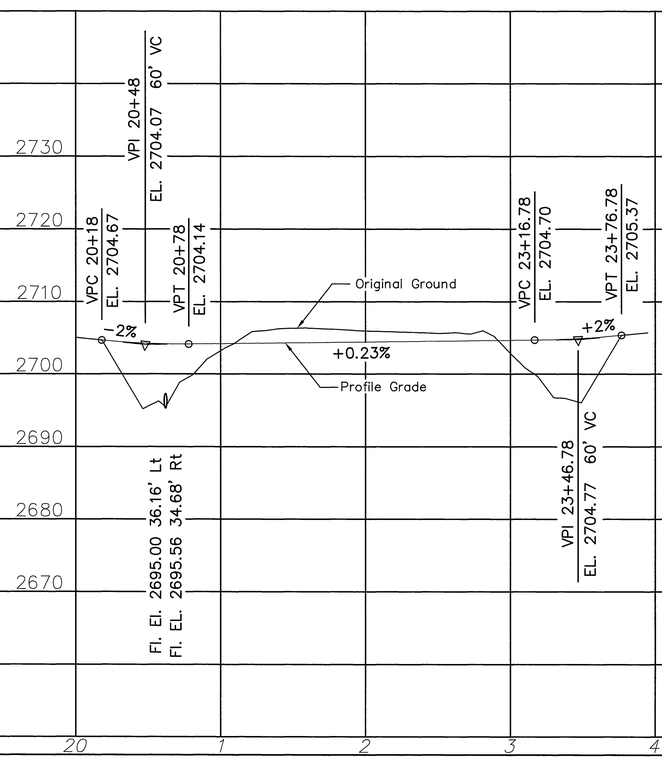


FOR TURNOUT AMENITIES
SEE SHEET D-25

STA. 561 LT.



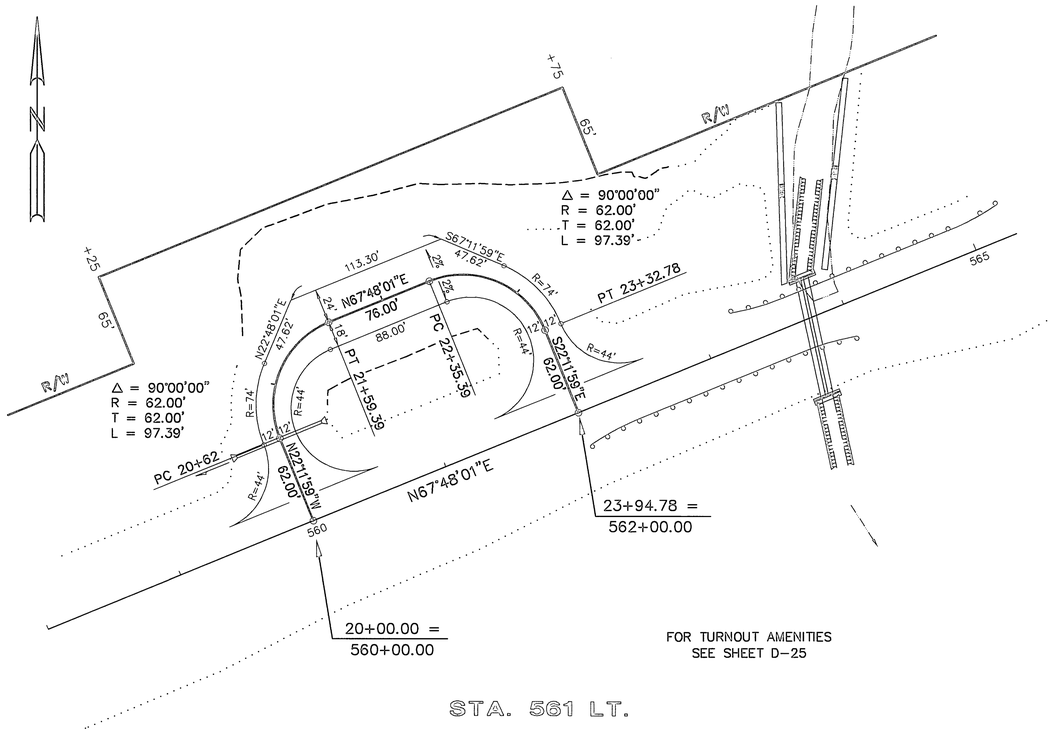
LIONS HEAD VIEWPOINT PULLOUT
STA. 641 LT.



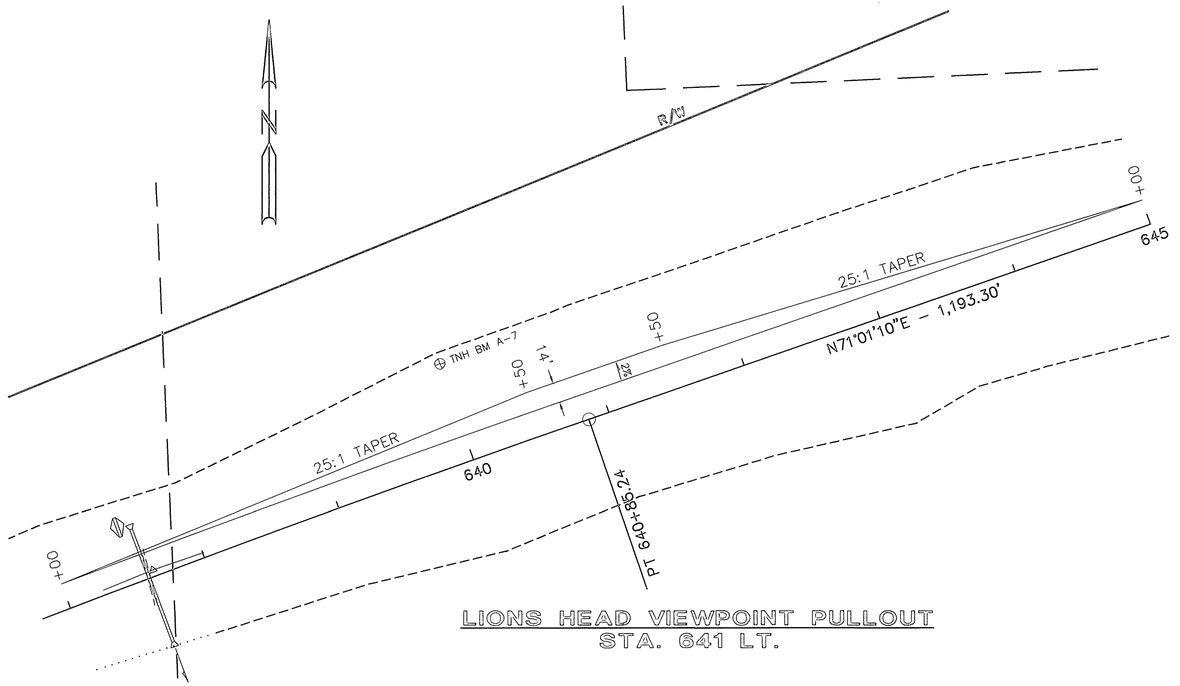
STATE OF ALASKA
49TH
Ted B. Trueblood
CE-4476
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
49th
G.C. SCHWABERER
CE-1008
REGISTERED PROFESSIONAL ENGINEER

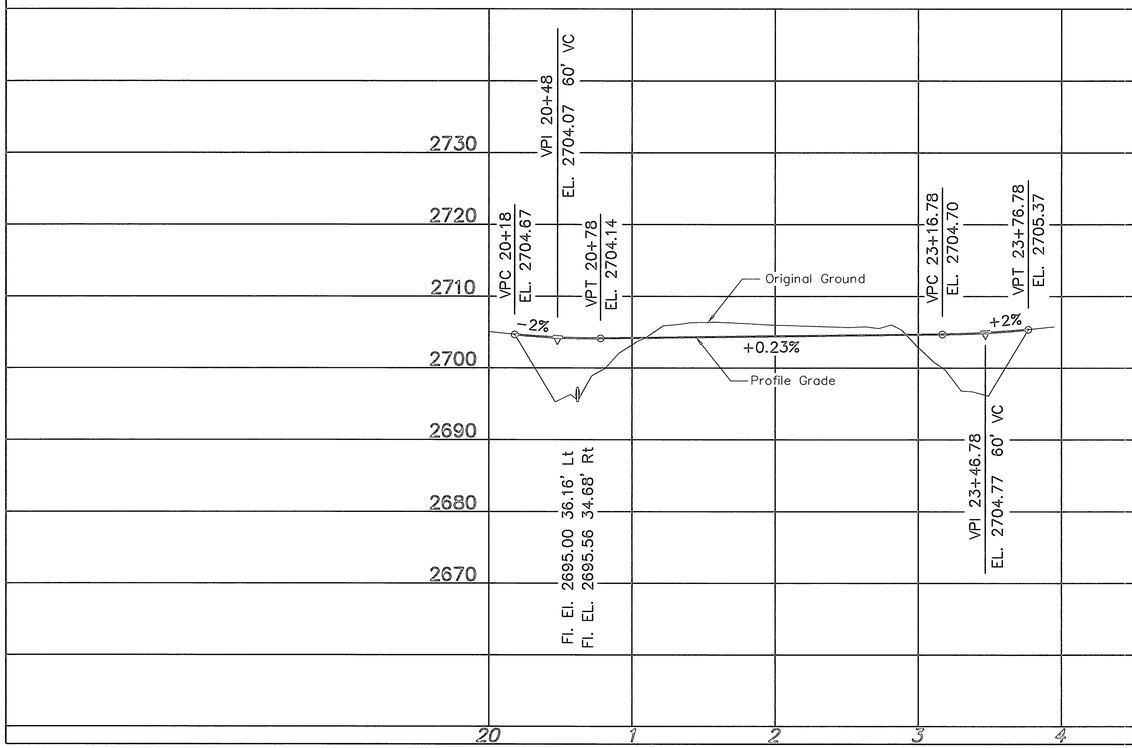
YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
1996	ALASKA	IR-0A1-5(4)/56454	E-37	148

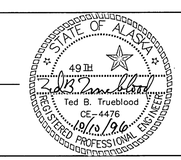


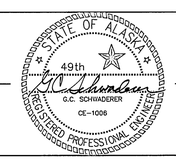
STA. 561 LT.



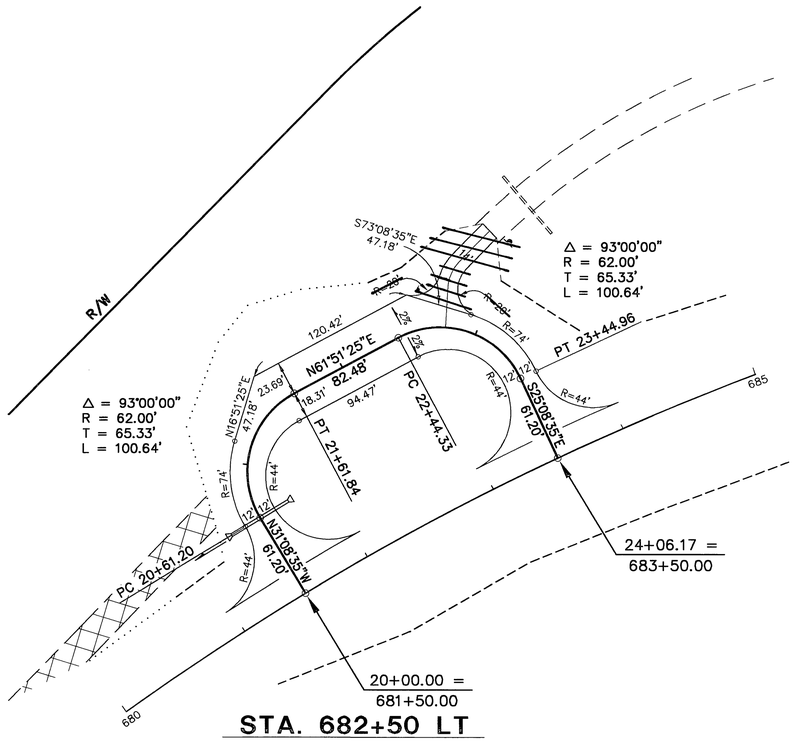
LIONS HEAD VIEWPOINT PULLOUT
STA. 641 LT.



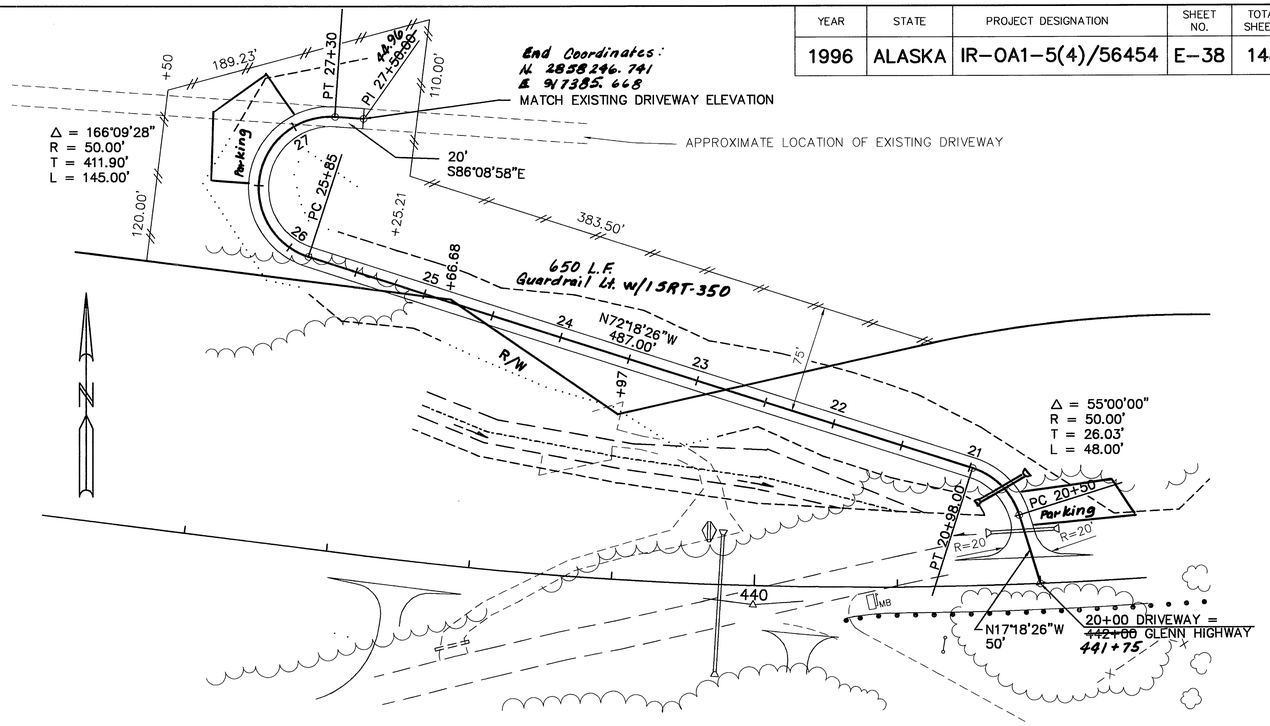




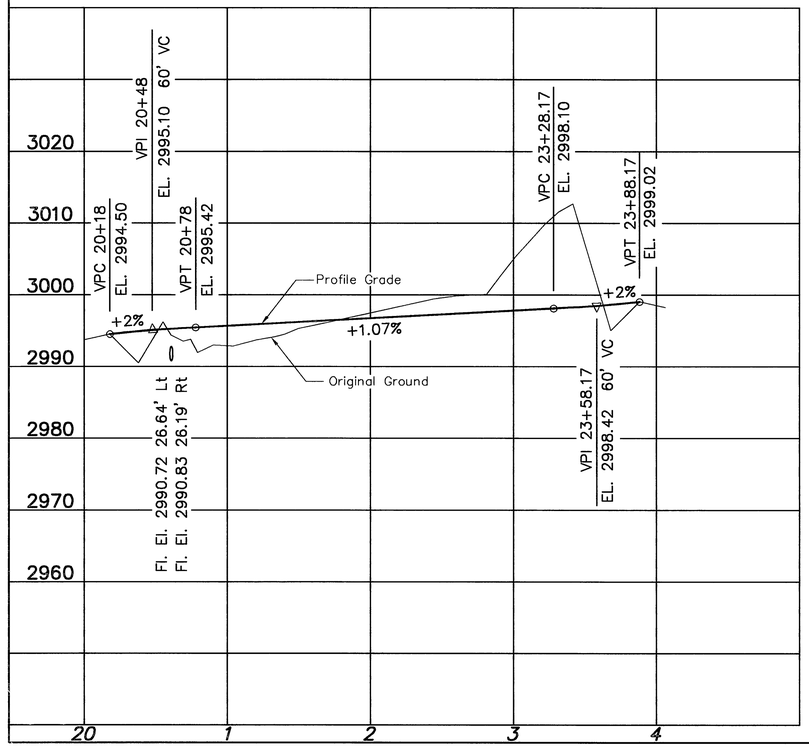
YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
1996	ALASKA	IR-0A1-5(4)/56454	E-38	148

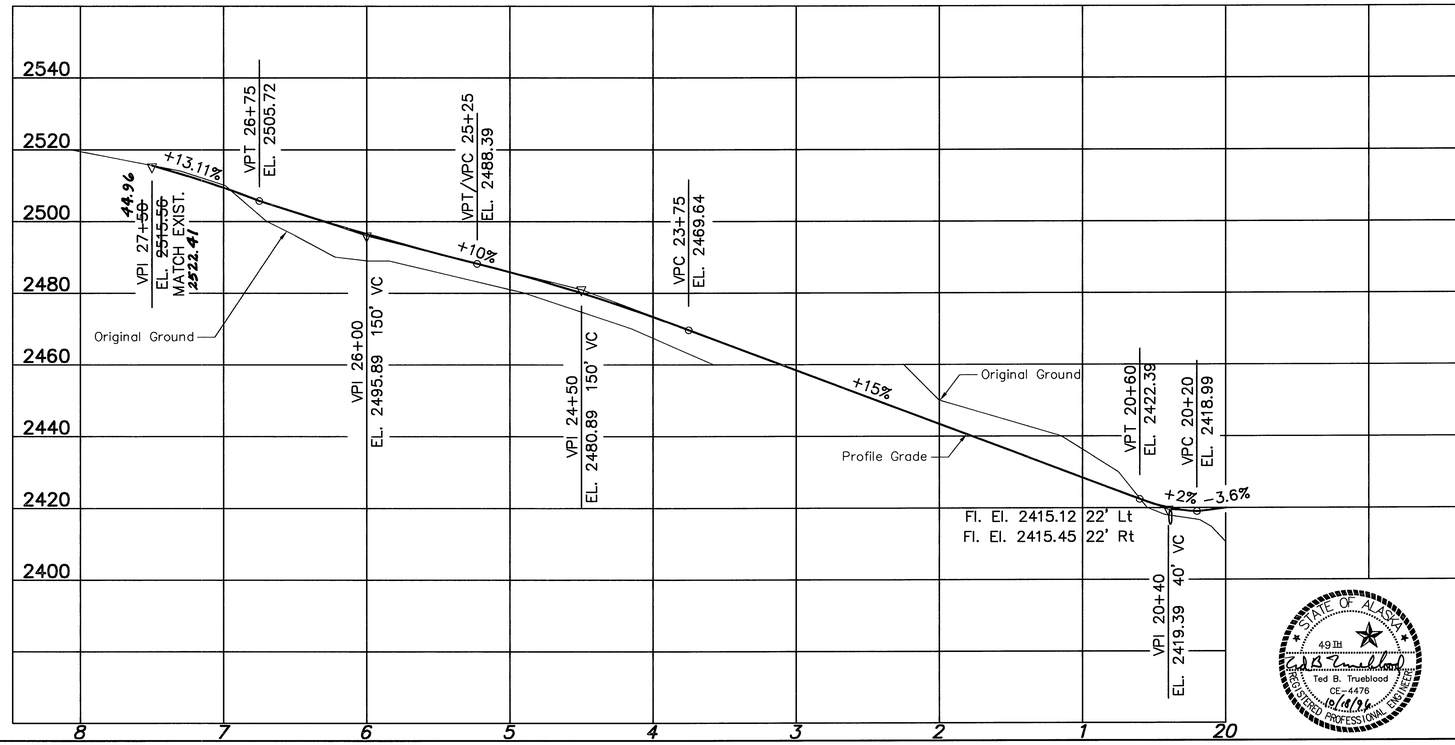


STA. 682+50 LT

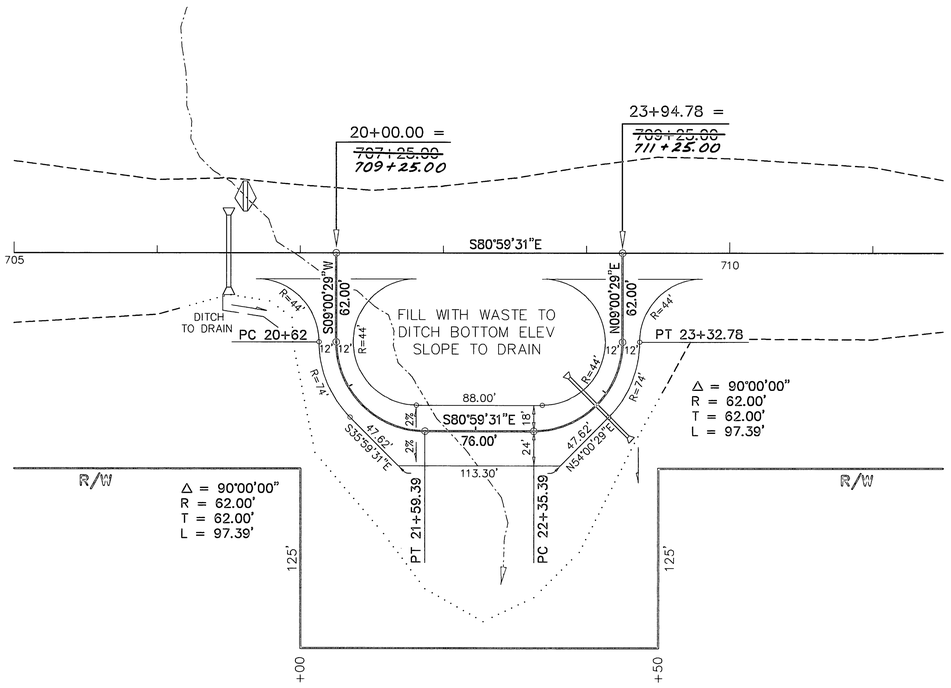


DRIVE APPROACH 442+00 LT

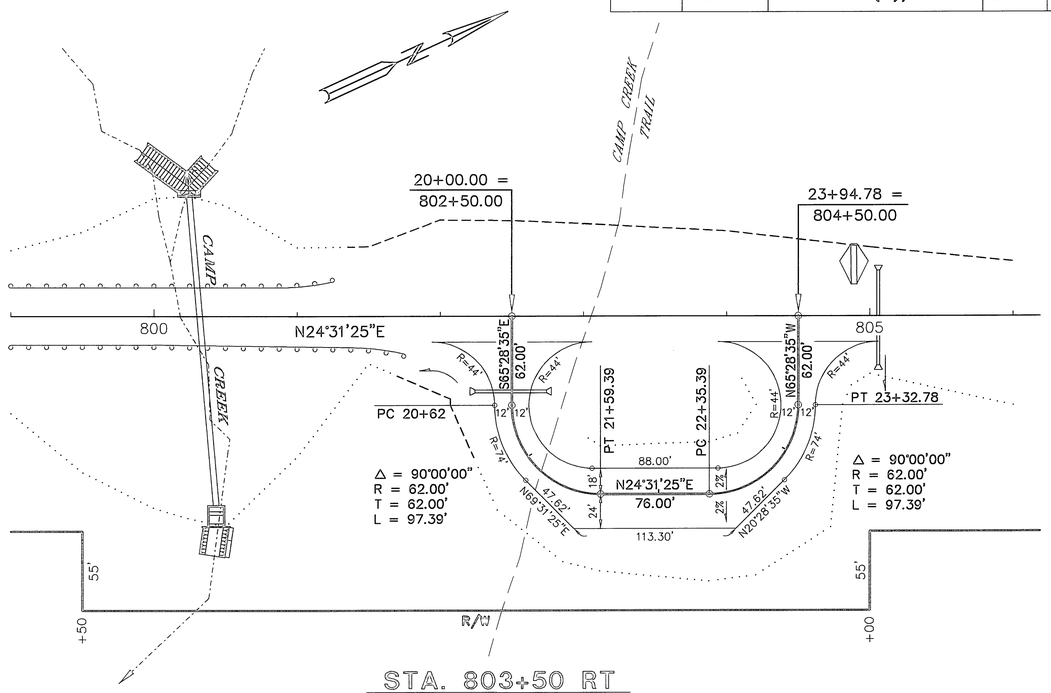




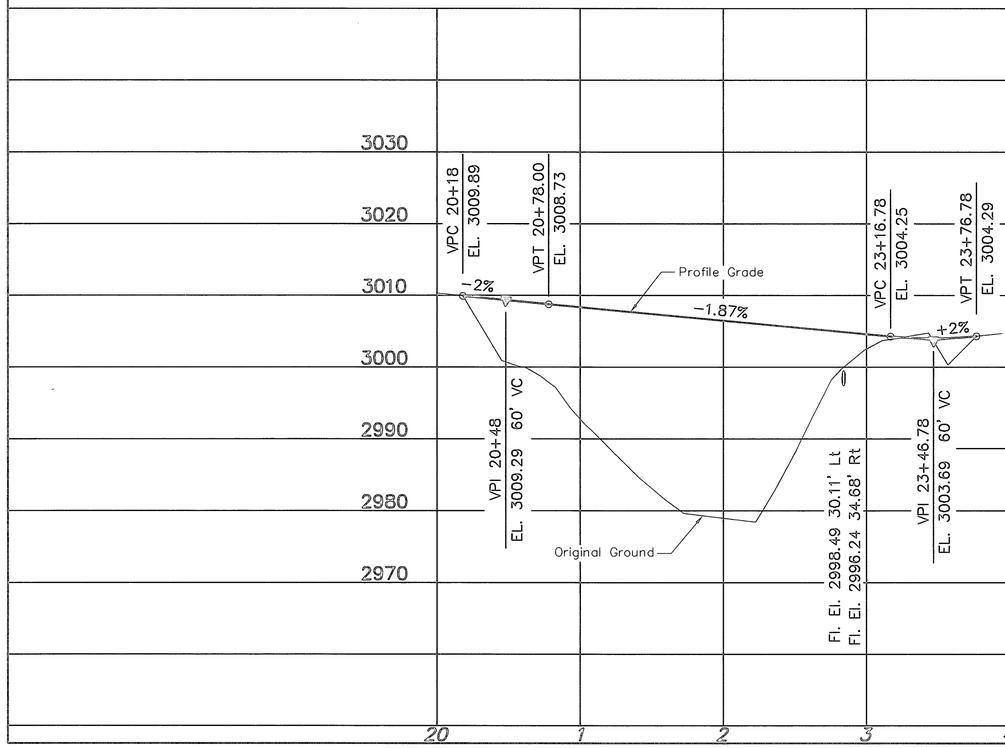
YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
1996	ALASKA	IR-0A1-5(4)/56454	E-39	148

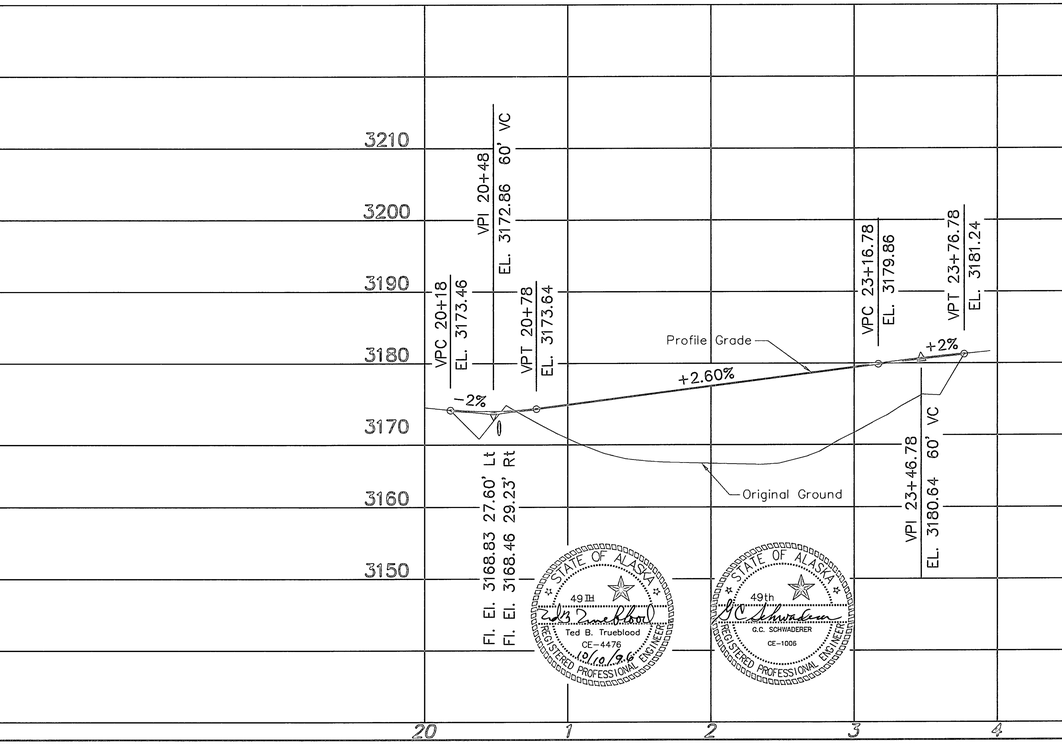


STA. 708+50 RT



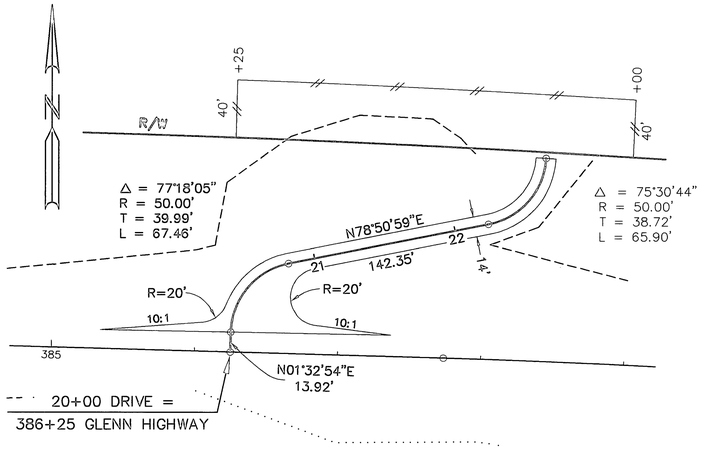
STA. 803+50 RT



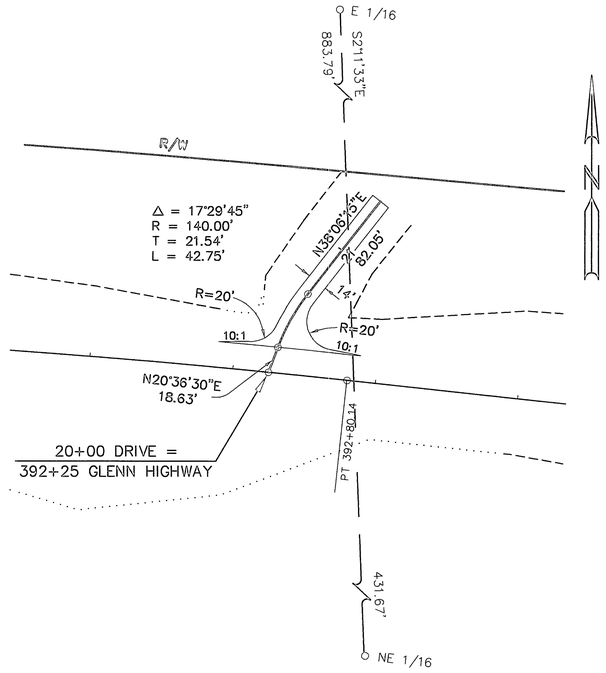


G109-E39 - 10/07/96

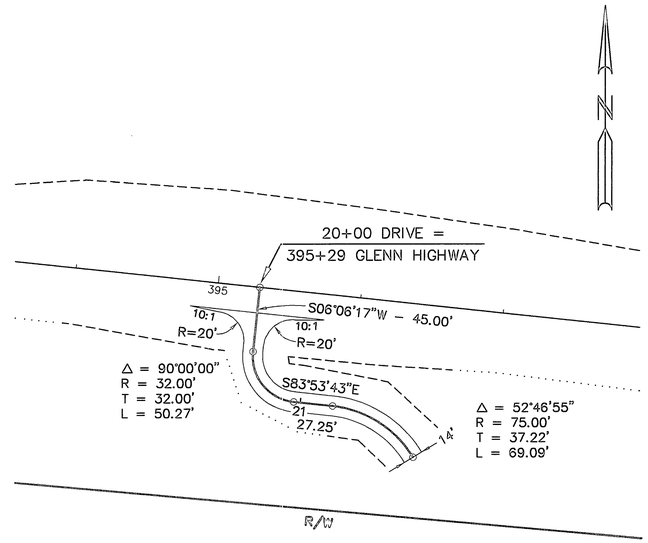
YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
1996	ALASKA	IR-0A1-5(4)/56454	E-40	148



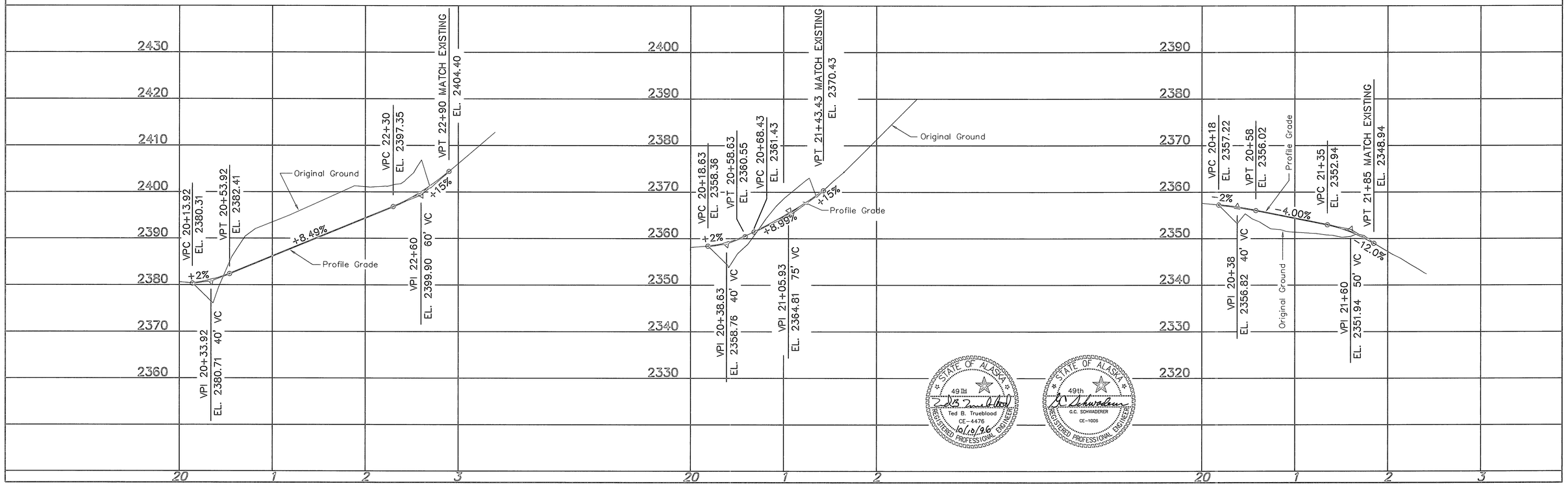
DRIVE APPROACH 386+25 LT.



DRIVE APPROACH 392+25 LT.



DRIVE APPROACH 395+29 RT.

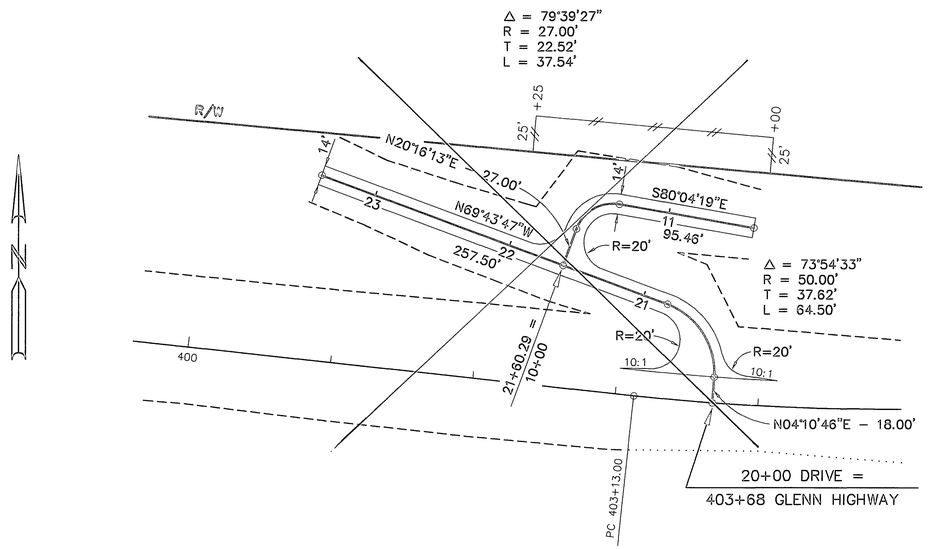


STATE OF ALASKA 49TH REGISTERED PROFESSIONAL ENGINEER Ted B. Trueblood CE-4476 10/10/96

STATE OF ALASKA 49th REGISTERED PROFESSIONAL ENGINEER G.C. SCHWADERER CE-1005

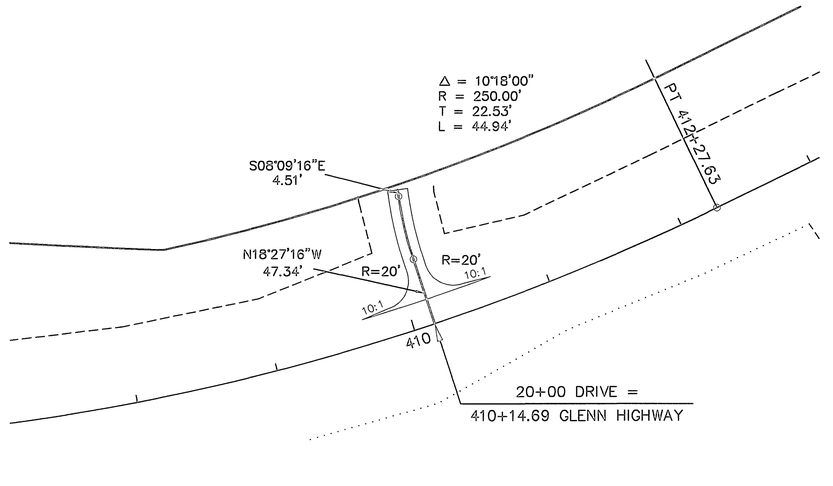
G109-E40 - 10/07/96

YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
1996	ALASKA	IR-0A1-5(4)/56454	E-41	148

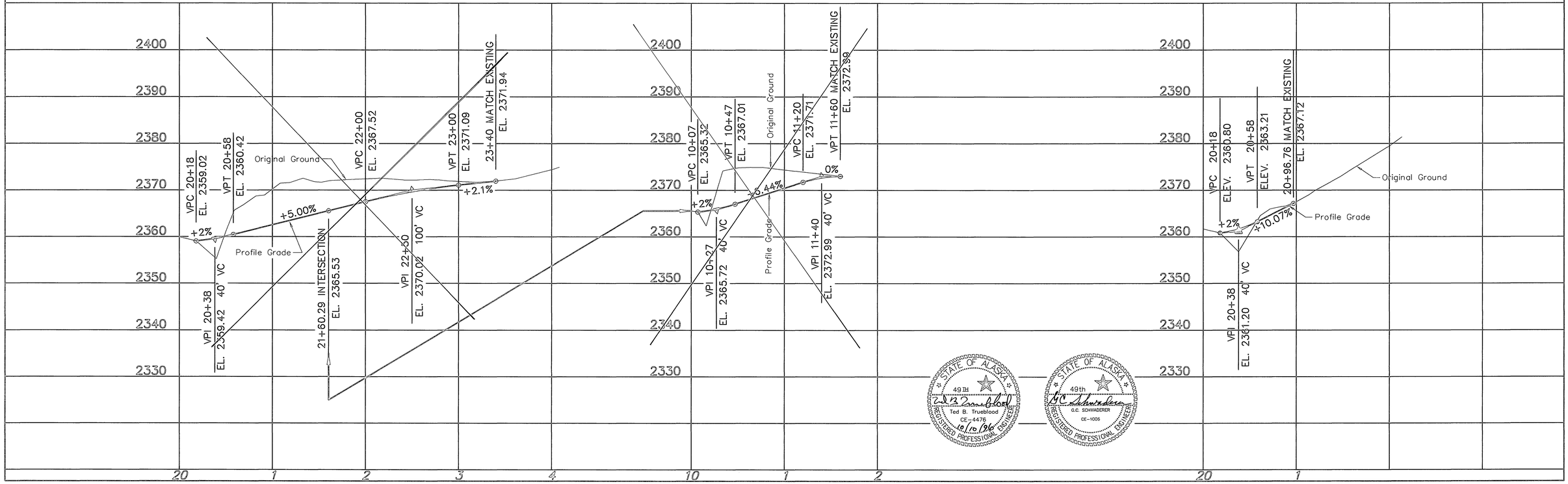


DRIVE APPROACH 403+68 LT.

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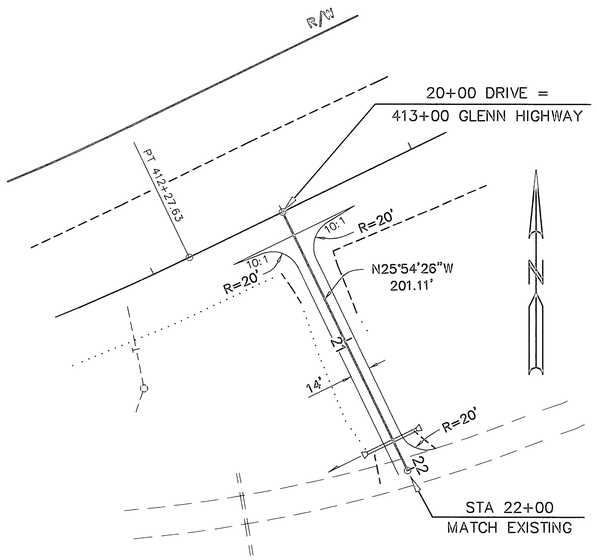
DRIVE APPROACH 410+14.69 LT.



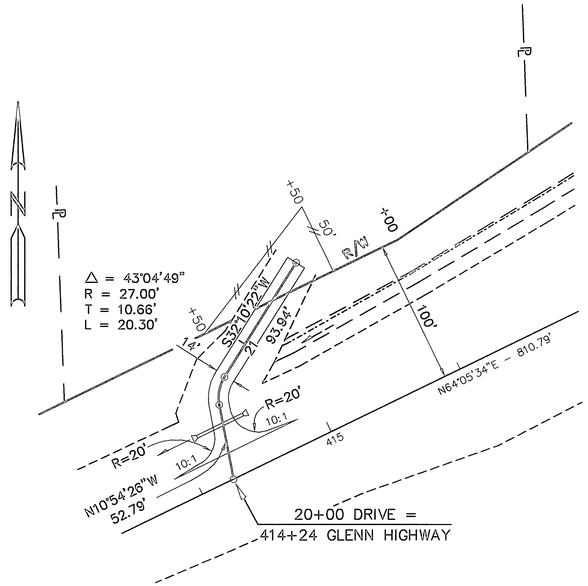
STATE OF ALASKA 49TH REGISTERED PROFESSIONAL ENGINEER Ted B. Trueblood CE-4476 10/10/96

STATE OF ALASKA 49th REGISTERED PROFESSIONAL ENGINEER G.C. SCHWADERER CE-1005

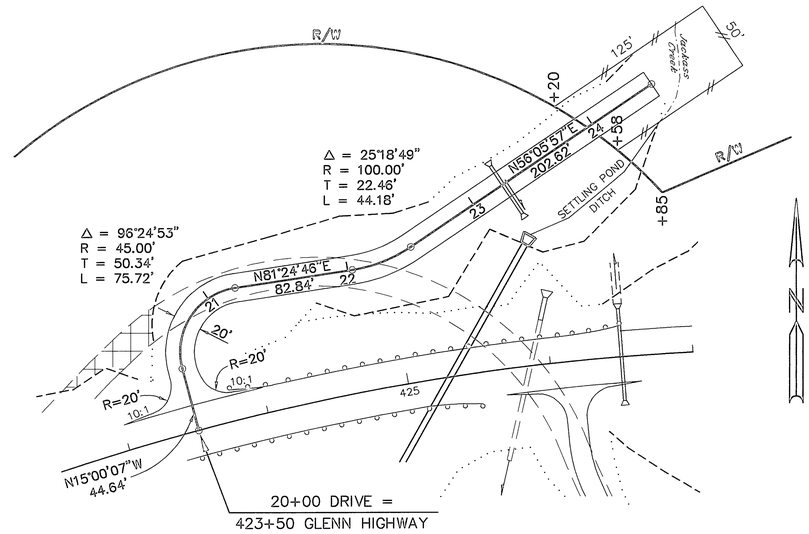
YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
1996	ALASKA	IR-0A1-5(4)/56454	E-42	148



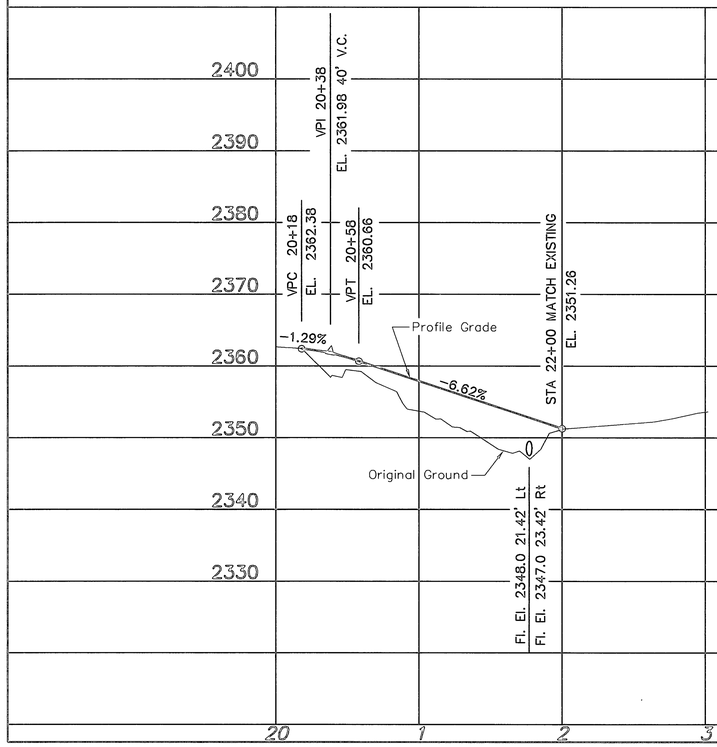
DRIVE APPROACH 413+00 RT.

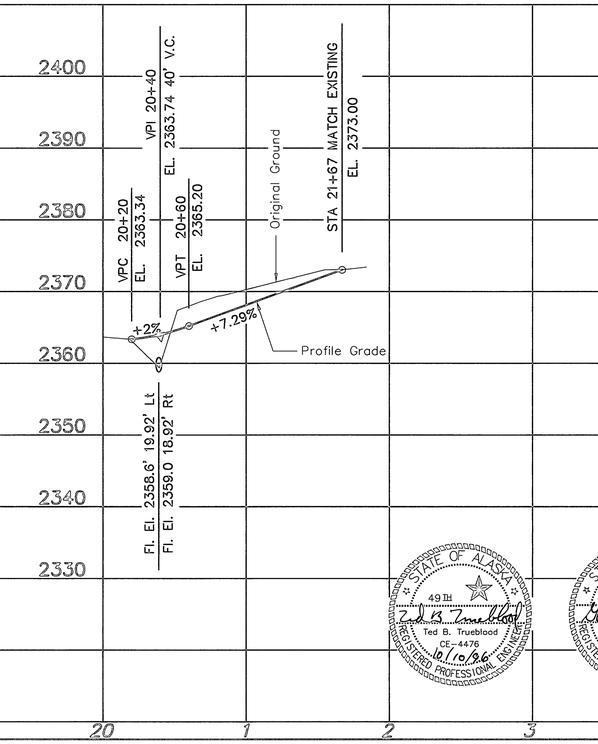


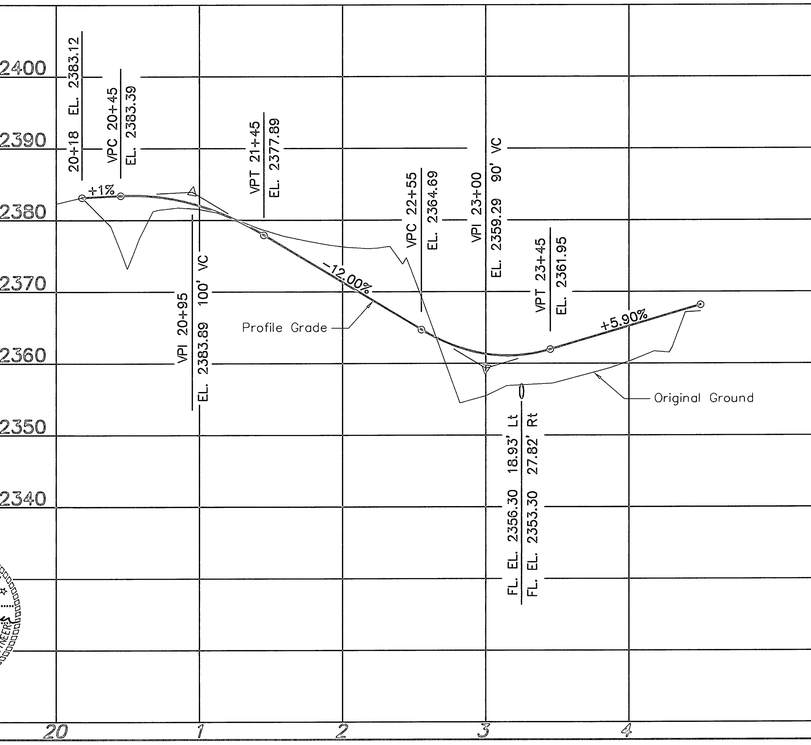
DRIVE APPROACH 414+24 LT.



DRIVE APPROACH 423+50 LT.





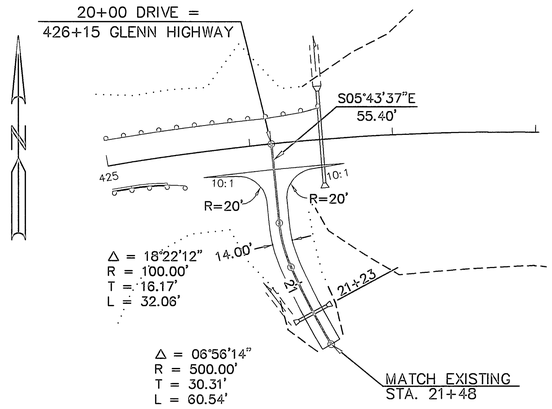


STATE OF ALASKA
49TH
Ted B. Trueblood
CE-4476
10/10/96
REGISTERED PROFESSIONAL ENGINEER

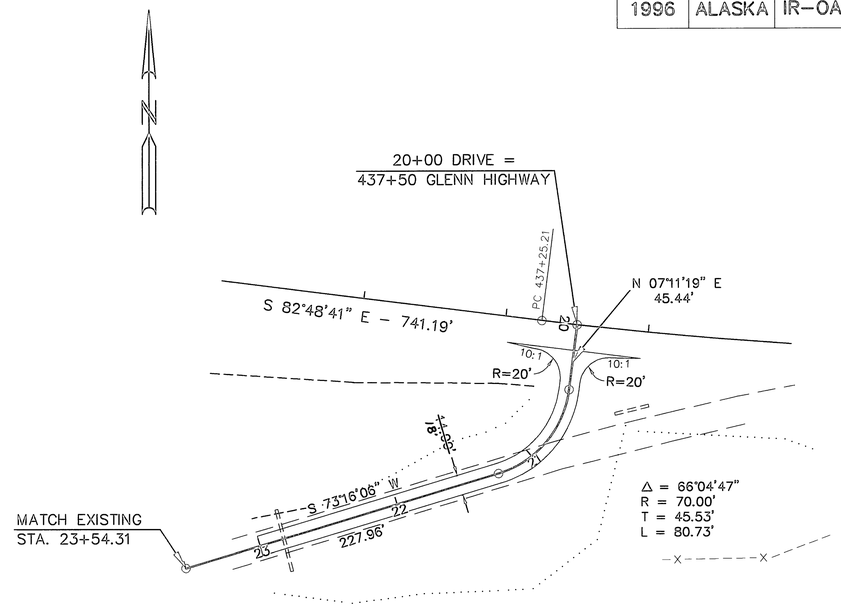
STATE OF ALASKA
49th
G.C. SCHWABERER
CE-1006
REGISTERED PROFESSIONAL ENGINEER

G109-E42 - 10/07/96

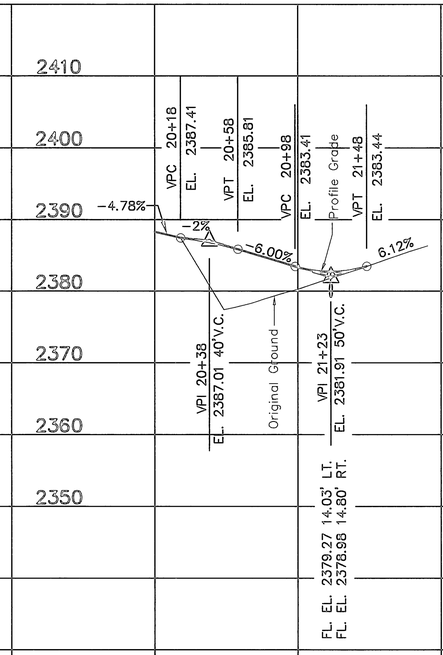
YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
1996	ALASKA	IR-0A1-5(4)/56454	E-43	148

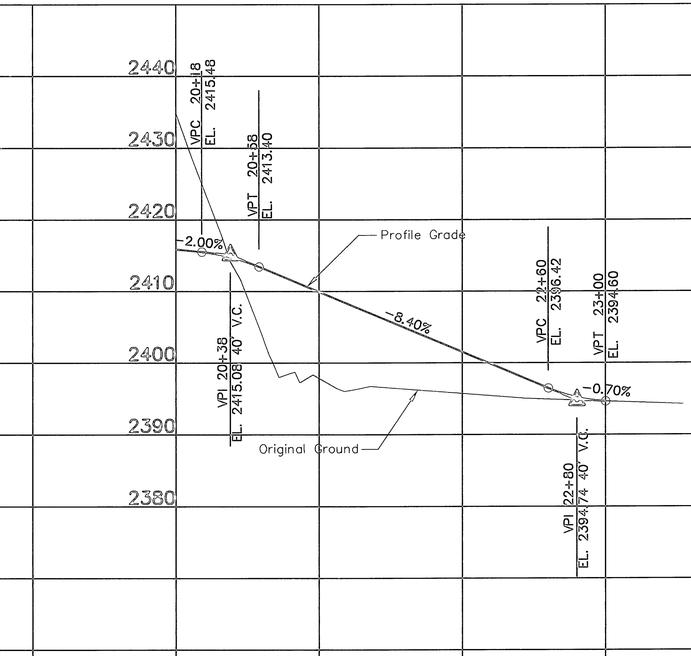


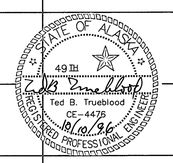
DRIVE APPROACH 426+15 RT.



DRIVE APPROACH 437+50 RT.





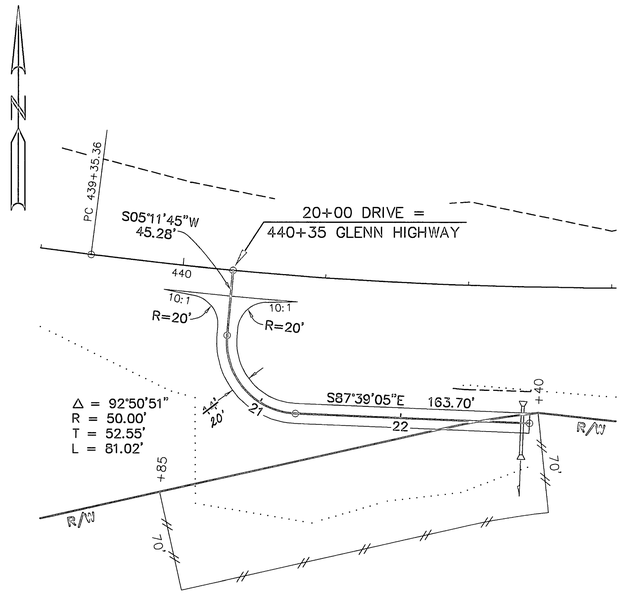




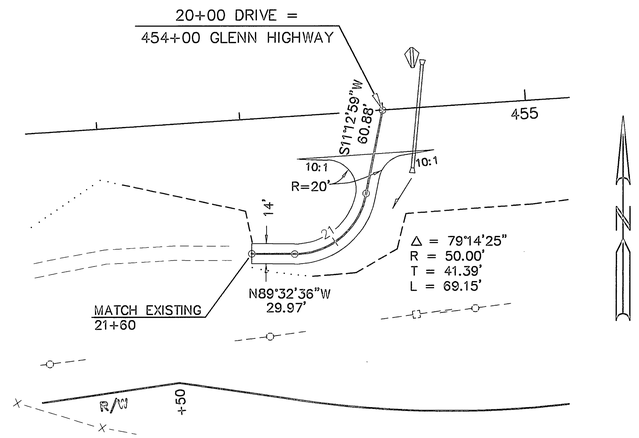
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G109-E43 - 10/07/96

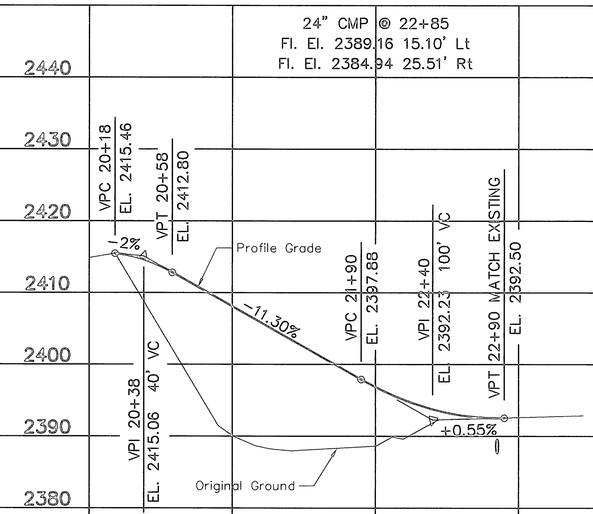
YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
1996	ALASKA	IR-0A1-5(4)/56454	E-44	148

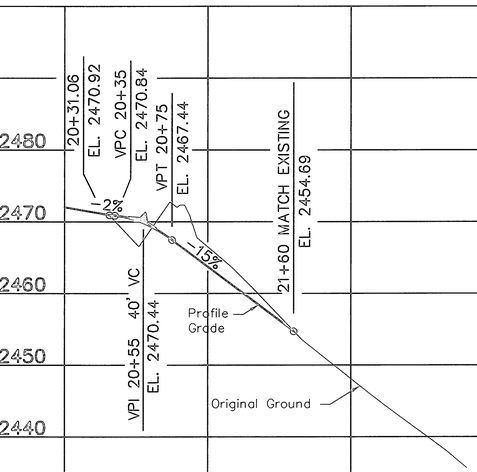


DRIVE APPROACH 440+35 RT.



DRIVE APPROACH 454+00 RT.



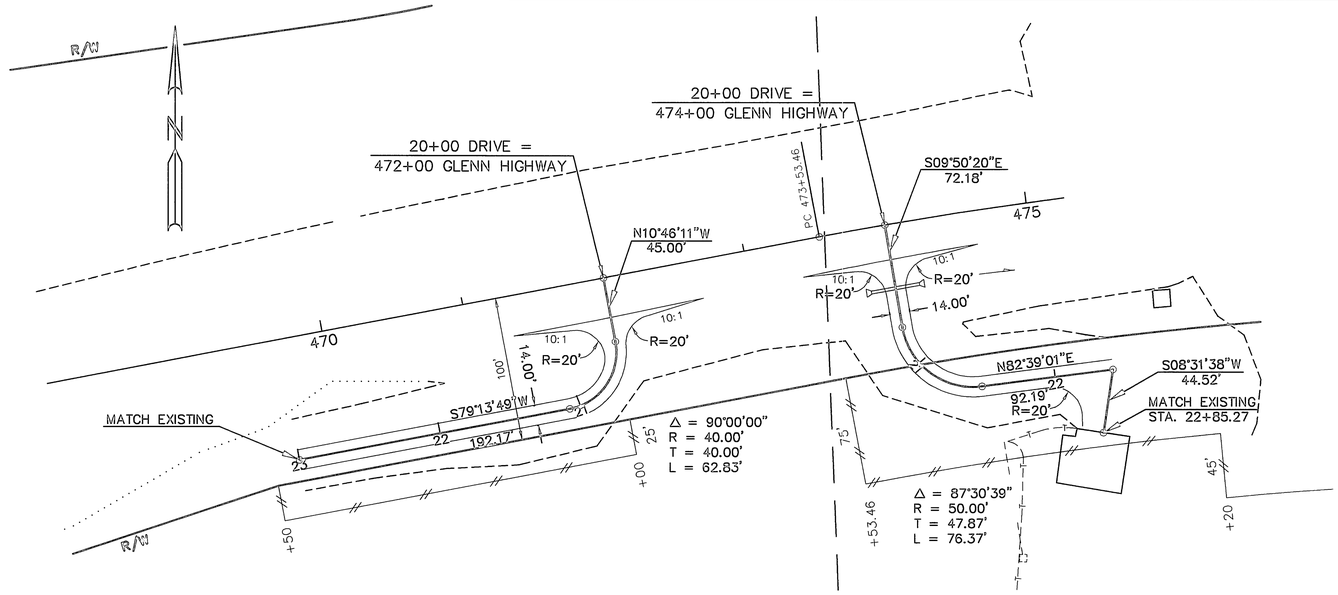


STATE OF ALASKA
49TH
Ted B. Trueblood
CE-4476
REGISTERED PROFESSIONAL ENGINEER
10/8/96

STATE OF ALASKA
49th
G.C. SCHWEDERER
CE-1006
REGISTERED PROFESSIONAL ENGINEER

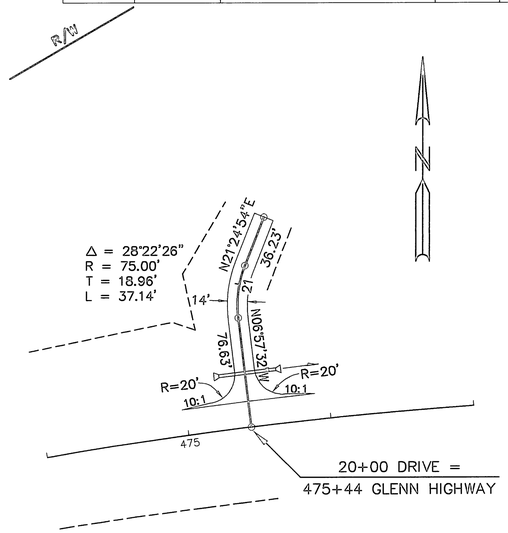
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YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
1996	ALASKA	IR-0A1-5(4)/56454	E-45	148

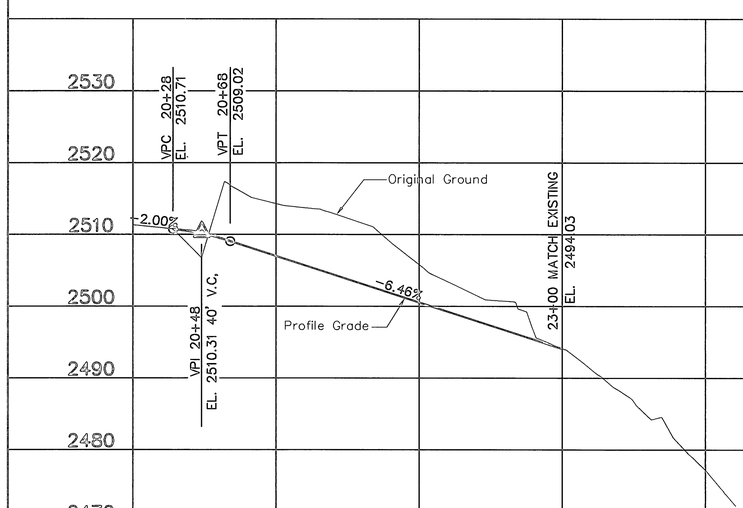


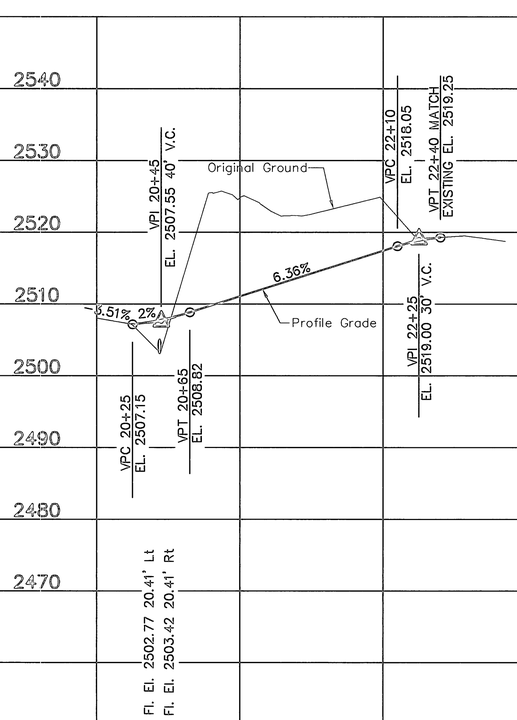
DRIVE APPROACH 472+00 RT.

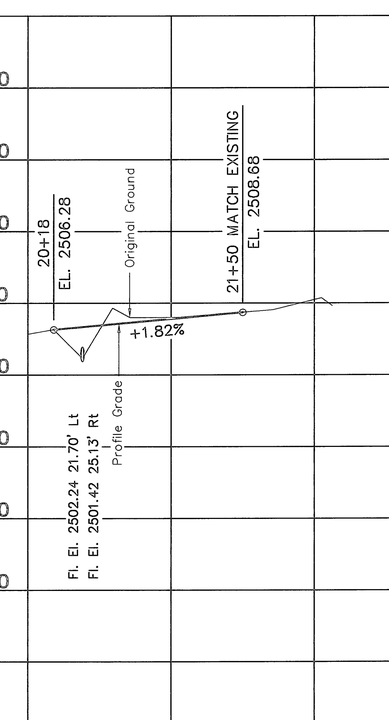
DRIVE APPROACH 474+00 RT.



DRIVE APPROACH 475+44 LT.



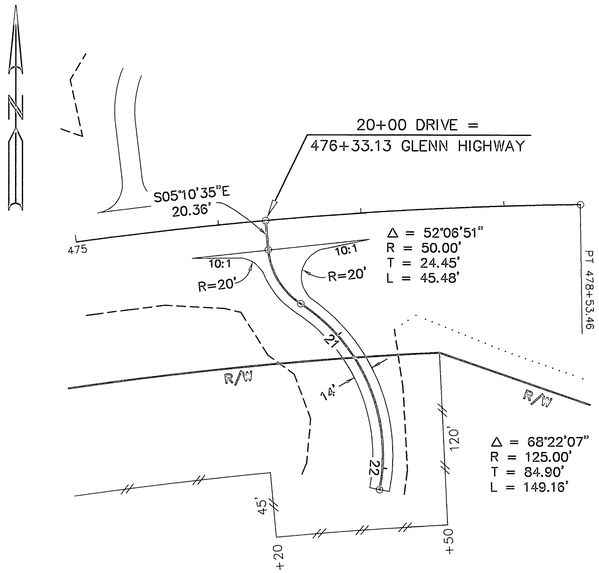




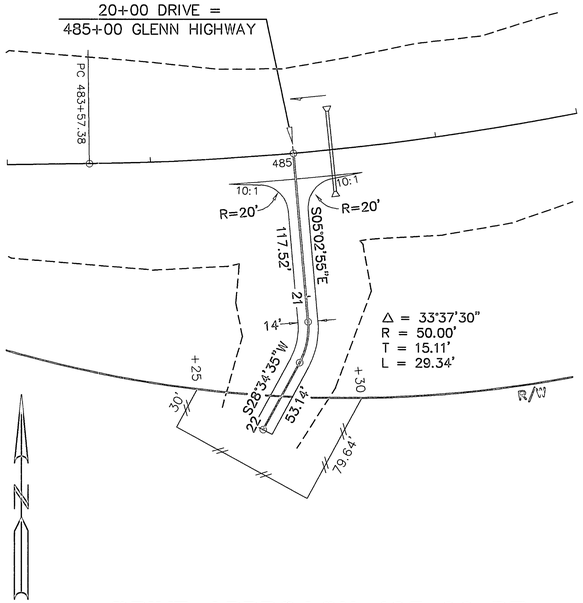
STATE OF ALASKA
49TH
Ted B. Trueblood
CE-4476
10/10/96
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
49th
G.C. SCHWADERER
CE-1006
REGISTERED PROFESSIONAL ENGINEER

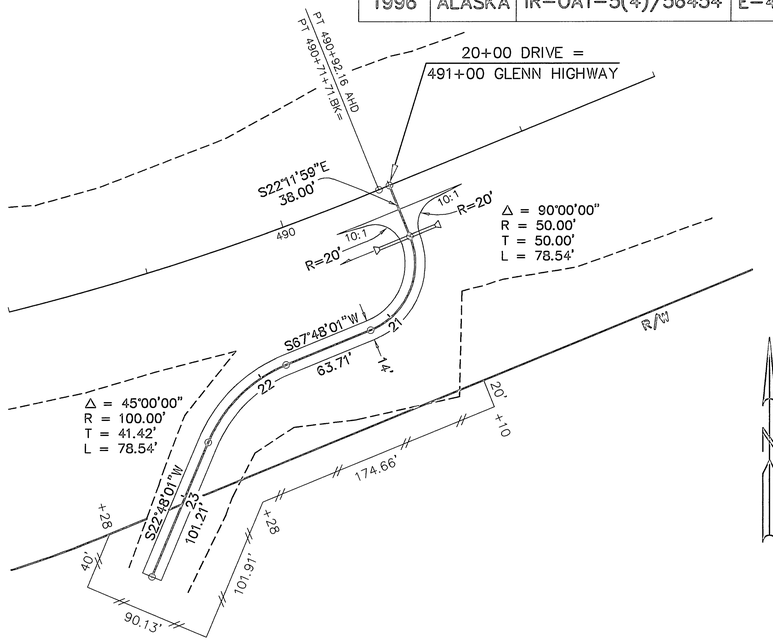
YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
1996	ALASKA	IR-0A1-5(4)/56454	E-46	148



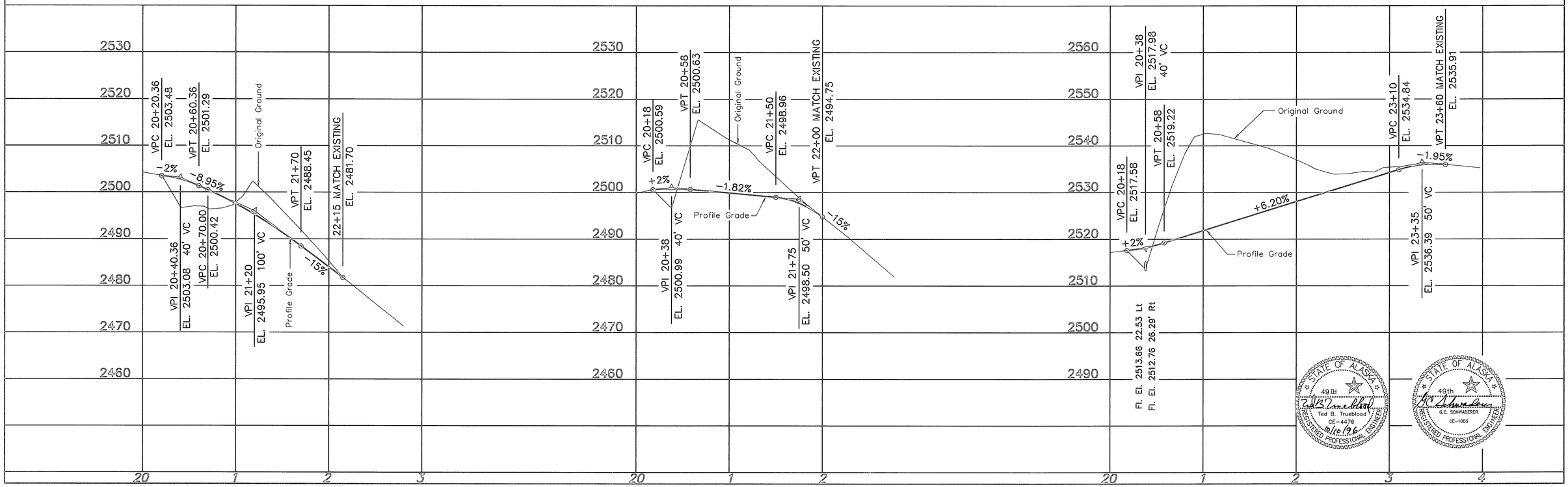
DRIVE APPROACH 476+33.13 RT.



DRIVE APPROACH 485+00 RT.



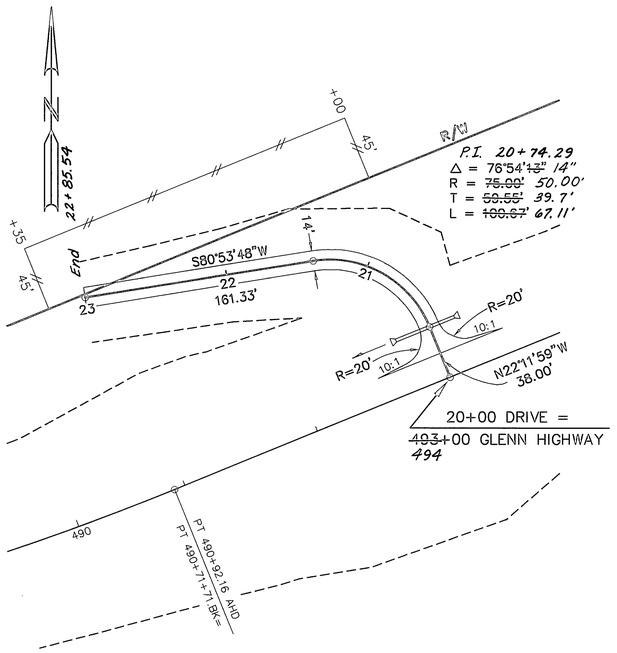
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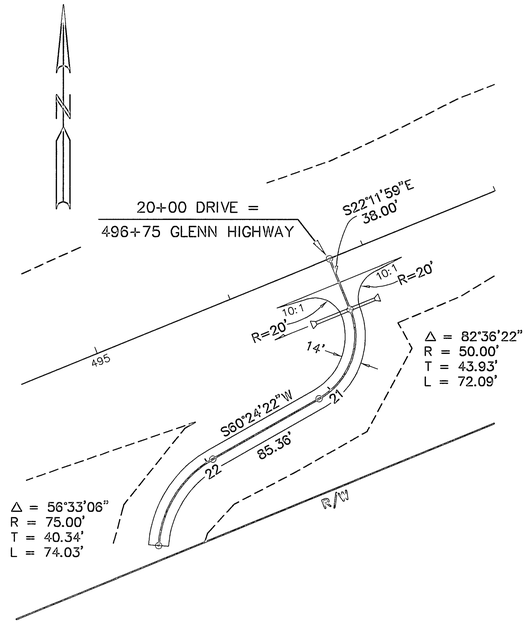
STATE OF ALASKA
49TH
Ted B. Trueblood
CE-4476
REGISTERED PROFESSIONAL ENGINEER
10/10/96

STATE OF ALASKA
49th
G.C. SCHWADERER
CE-1006
REGISTERED PROFESSIONAL ENGINEER

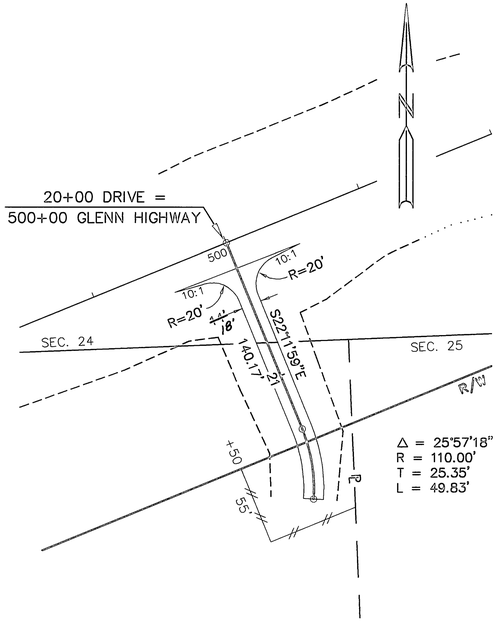
YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
1996	ALASKA	IR-0A1-5(4)/56454	E-47	148



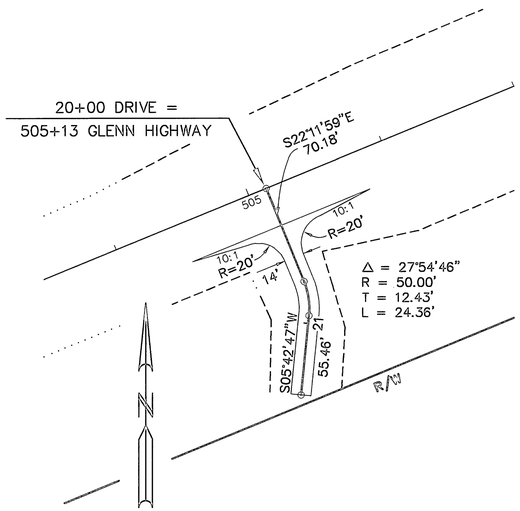
DRIVE APPROACH ~~493~~+00 LT.



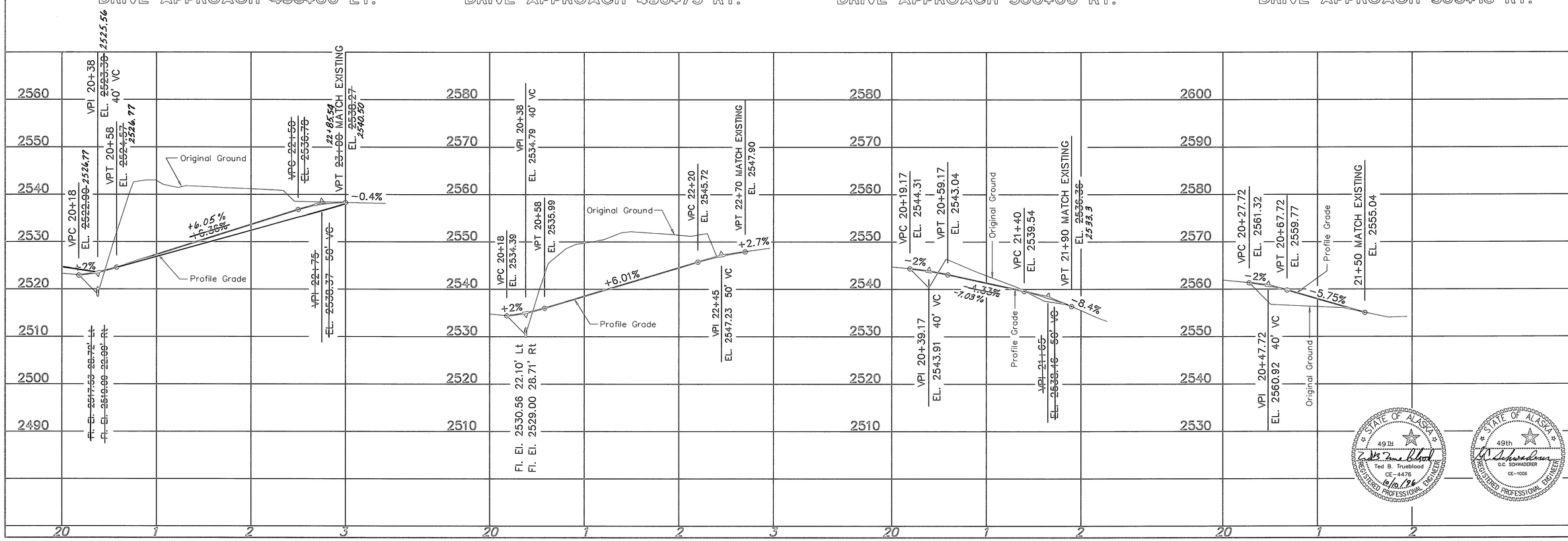
DRIVE APPROACH 496+75 RT.



DRIVE APPROACH 500+00 RT.



DRIVE APPROACH 505+13 RT.

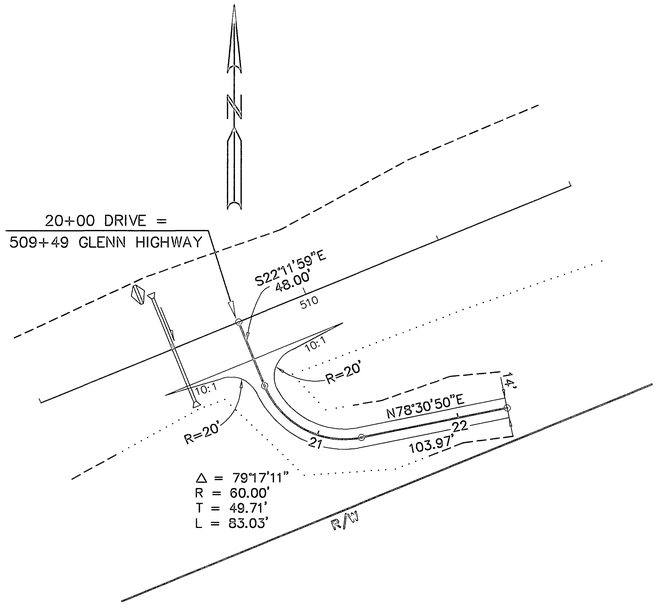


STATE OF ALASKA
49TH
Ted B. Trueblood
CE-4476
REGISTERED PROFESSIONAL ENGINEER
10/10/96

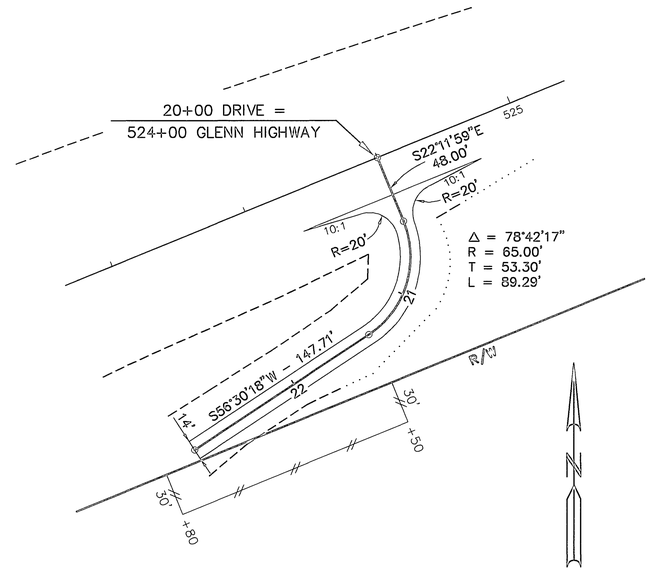
STATE OF ALASKA
49th
G.C. SCHWADENER
CE-1006
REGISTERED PROFESSIONAL ENGINEER

G109-E47 - 10/07/96

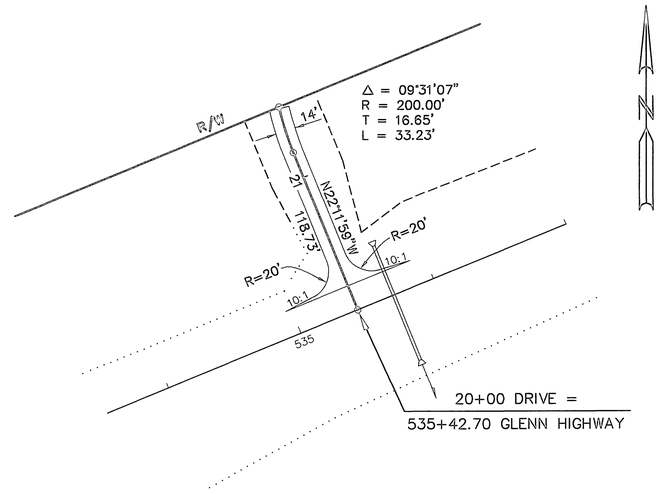
YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
1996	ALASKA	IR-0A1-5(4)/56454	E-48	148



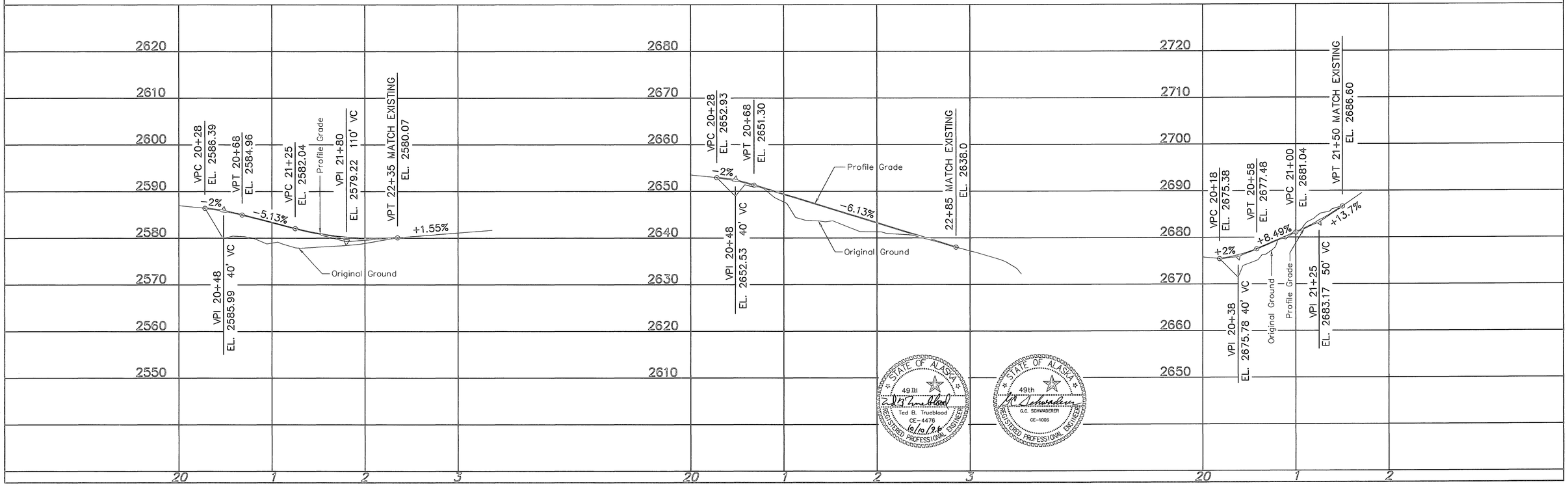
DRIVE APPROACH 509+49 RT.



DRIVE APPROACH 524+00 RT.



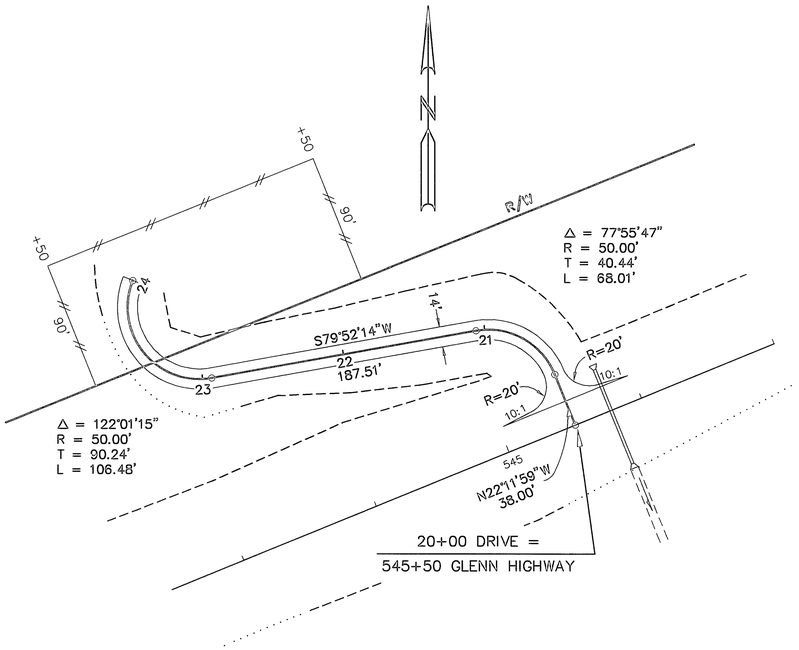
DRIVE APPROACH 535+42.70 LT.



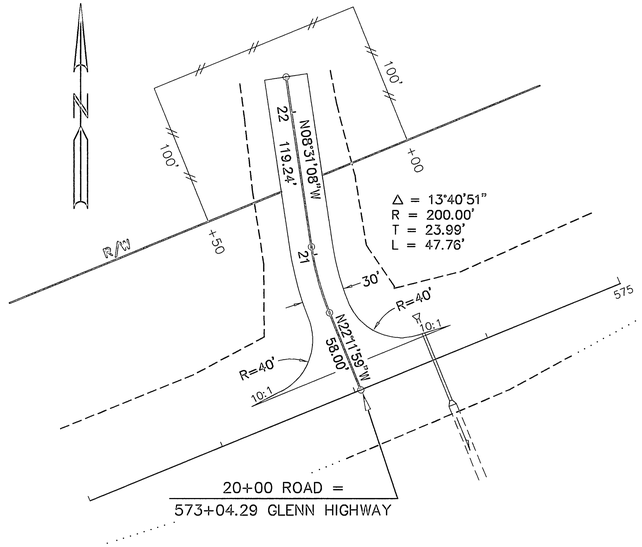
STATE OF ALASKA
49th
Ted B. Trueblood
CE-4476
10/10/96
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
49th
G.C. SCHWADERER
CE-1006
REGISTERED PROFESSIONAL ENGINEER

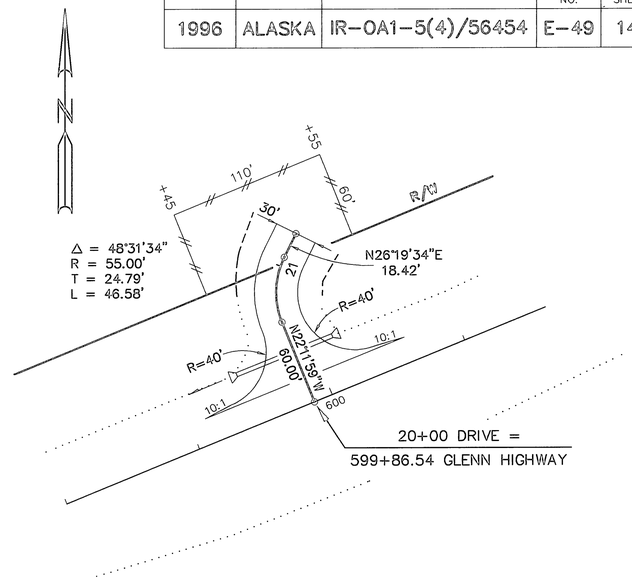
YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
1996	ALASKA	IR-0A1-5(4)/56454	E-49	148



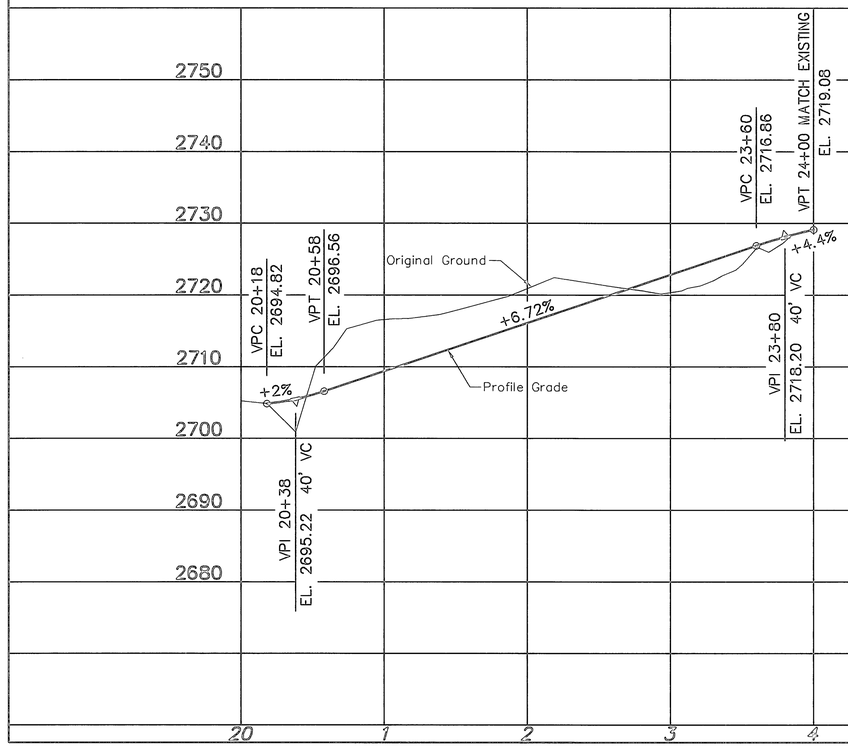
DRIVE APPROACH 545+50 LT.

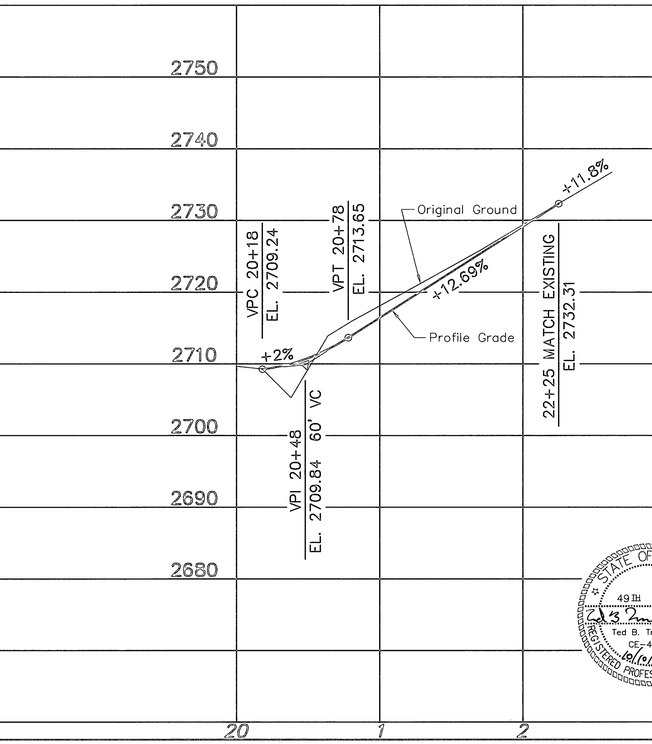


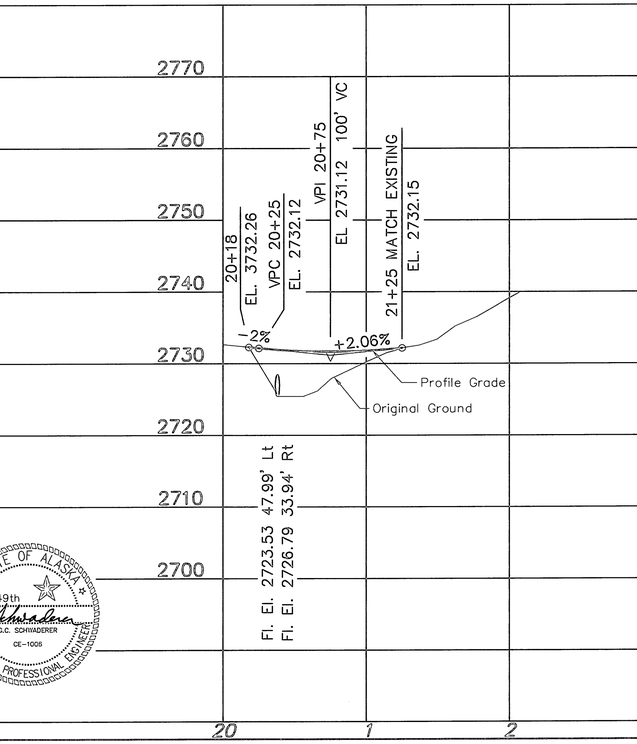
ROAD APPROACH 573+04.29 LT.



DRIVE APPROACH 599+86.54 LT.





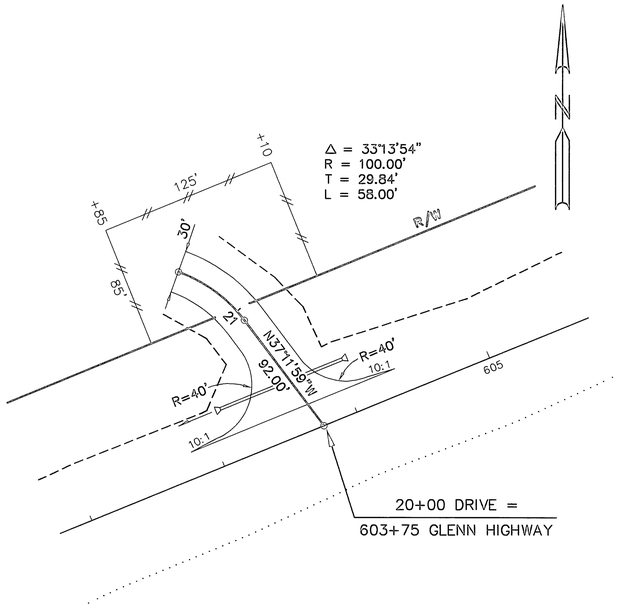


STATE OF ALASKA
49TH
Ted B. Trueblood
CE-4476
REGISTERED PROFESSIONAL ENGINEER
10/15/96

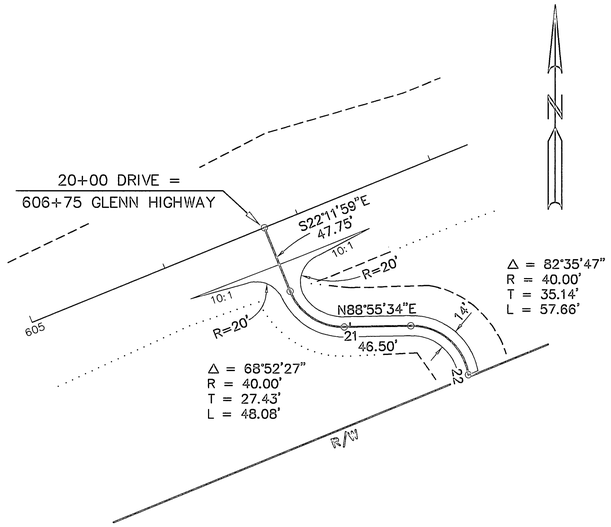
STATE OF ALASKA
49th
G.C. SCHWABEKER
CE-1005
REGISTERED PROFESSIONAL ENGINEER

G109-E49 - 10/07/96

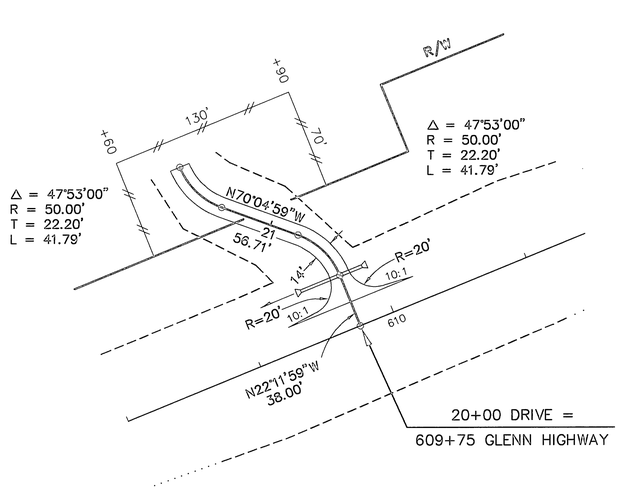
YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
1996	ALASKA	IR-0A1-5(4)/56454	E-50	148



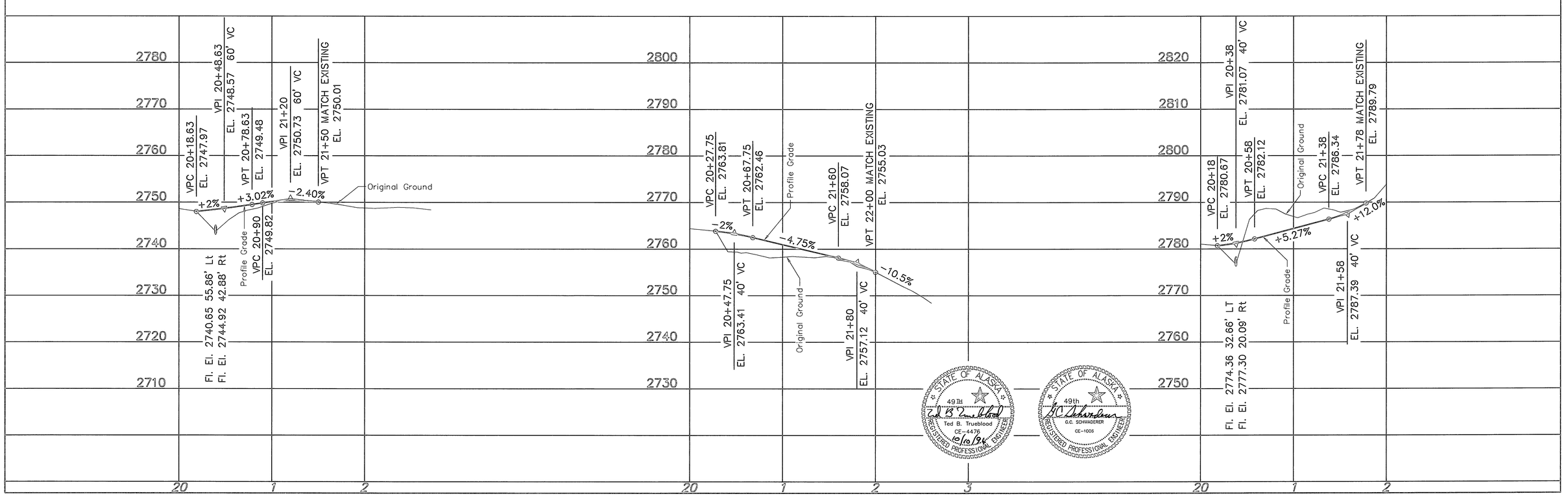
DRIVE APPROACH 603+75 LT.



DRIVE APPROACH 606+75 RT.



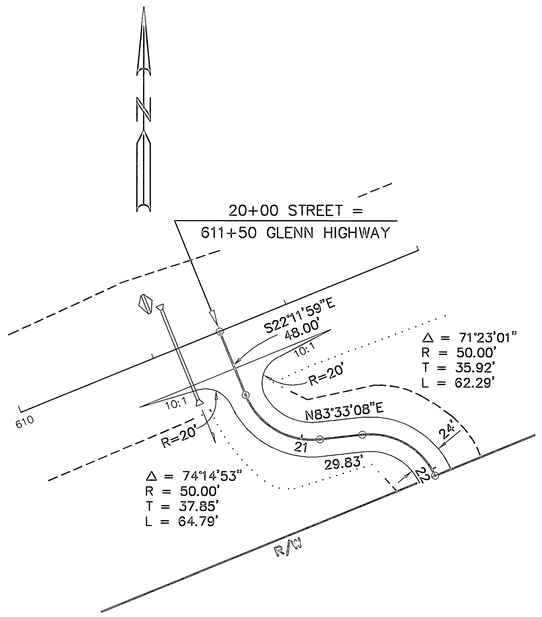
DRIVE APPROACH 609+75 LT.



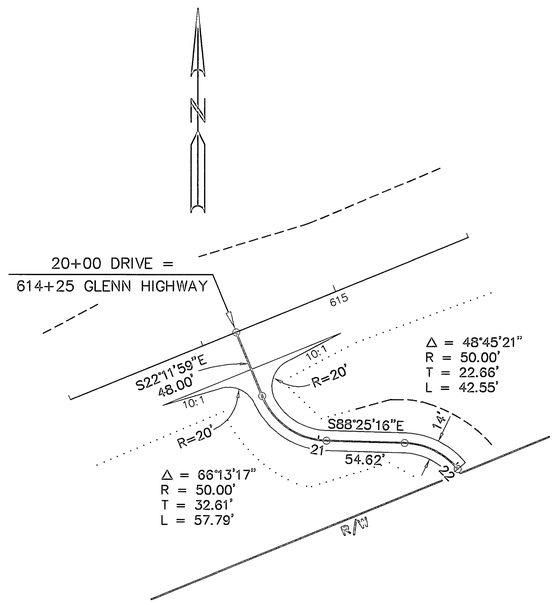
STATE OF ALASKA
49th
Ted B. Trueblood
CE-4476
REGISTERED PROFESSIONAL ENGINEER
12/6/96

STATE OF ALASKA
49th
G.C. SCHWADERER
CE-1006
REGISTERED PROFESSIONAL ENGINEER

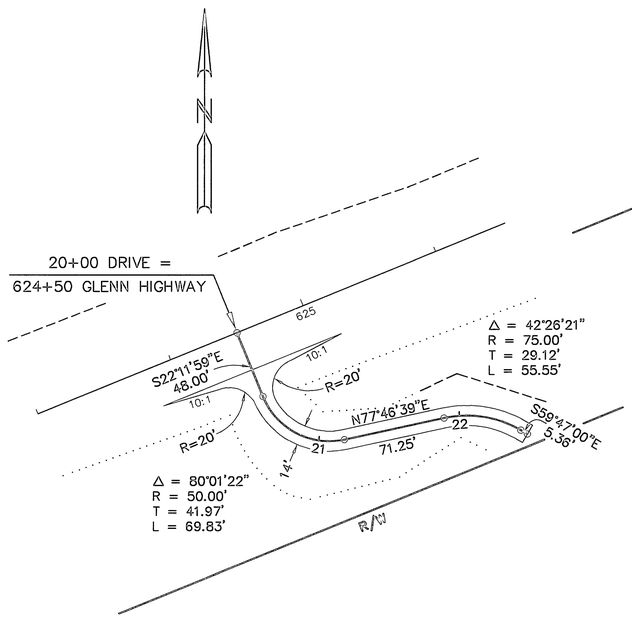
YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
1996	ALASKA	IR-0A1-5(4)/56454	E-51	148



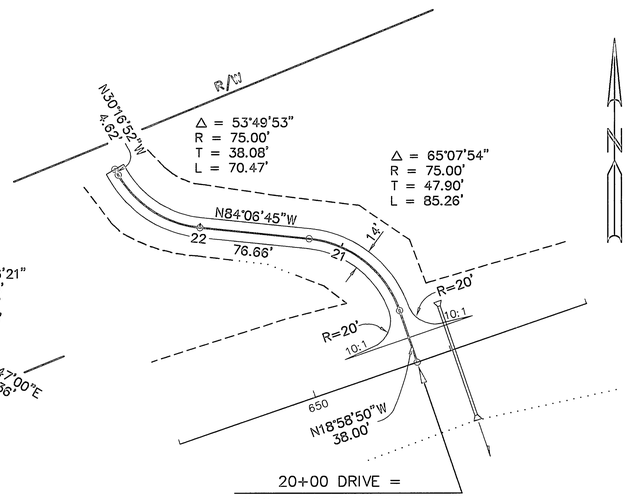
STREET APPROACH 611+50 RT.



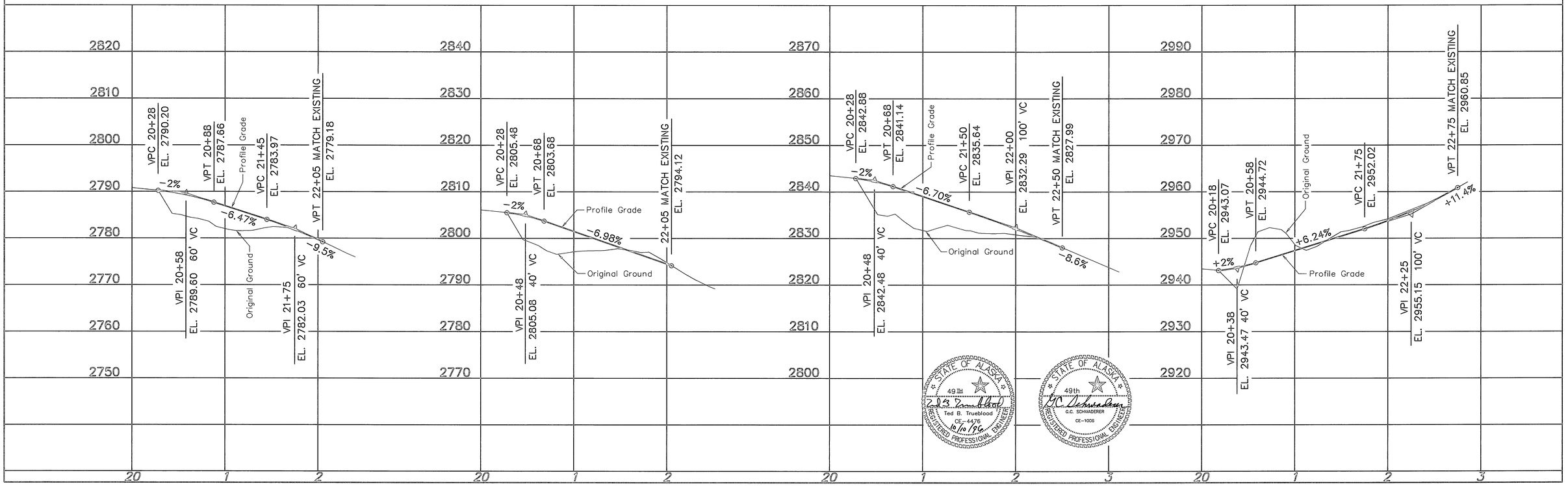
DRIVE APPROACH 614+25 RT.



DRIVE APPROACH 624+50 RT.



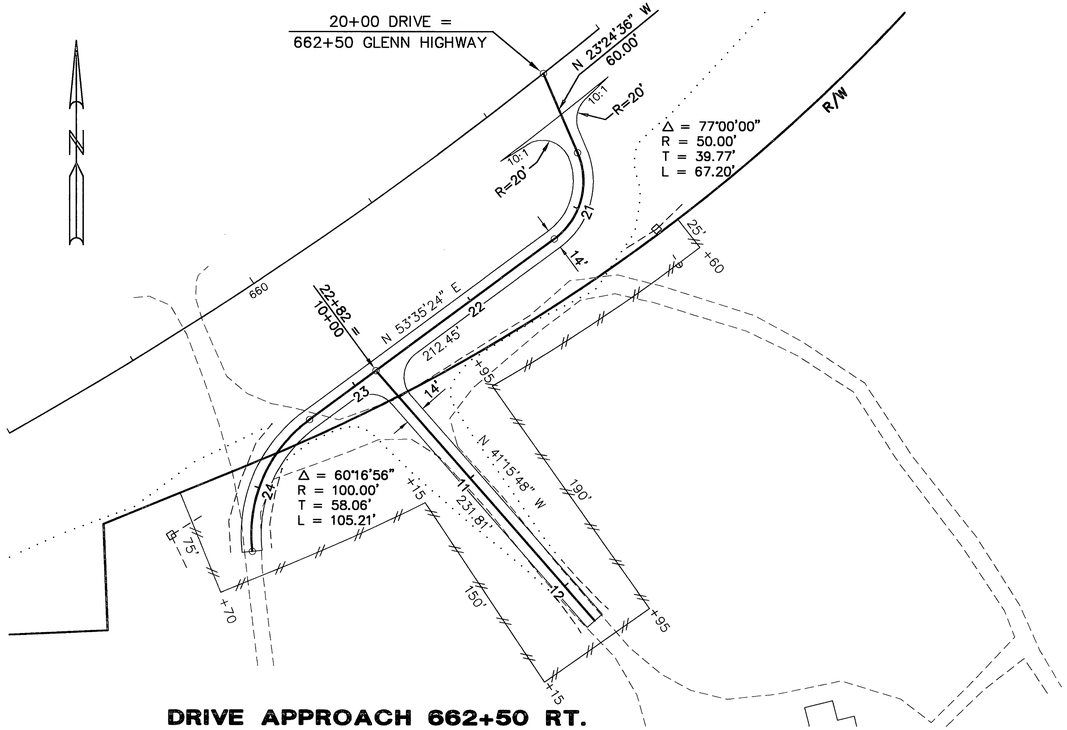
DRIVE APPROACH 650+75 LT.



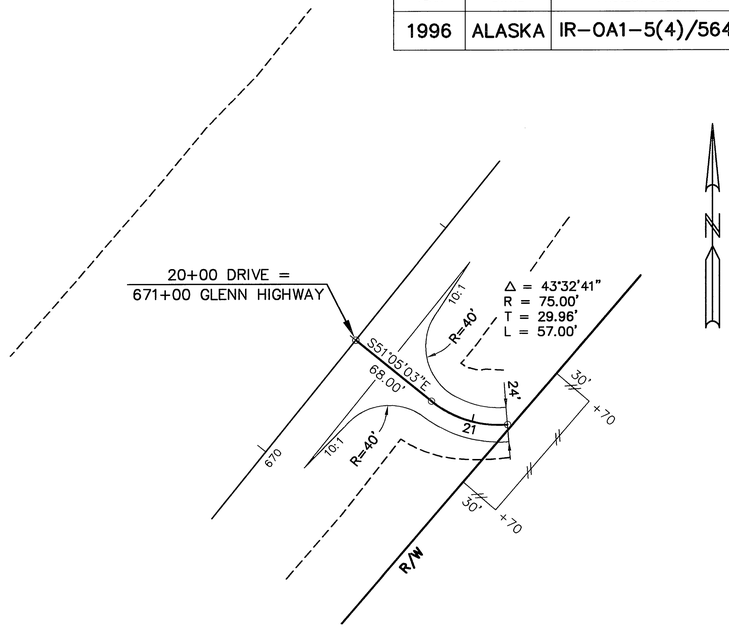
STATE OF ALASKA
49TH
Ted B. Trueblood
CE-4476
REGISTERED PROFESSIONAL ENGINEER
10/10/96

STATE OF ALASKA
49th
G.C. SCHWABERER
CE-1005
REGISTERED PROFESSIONAL ENGINEER

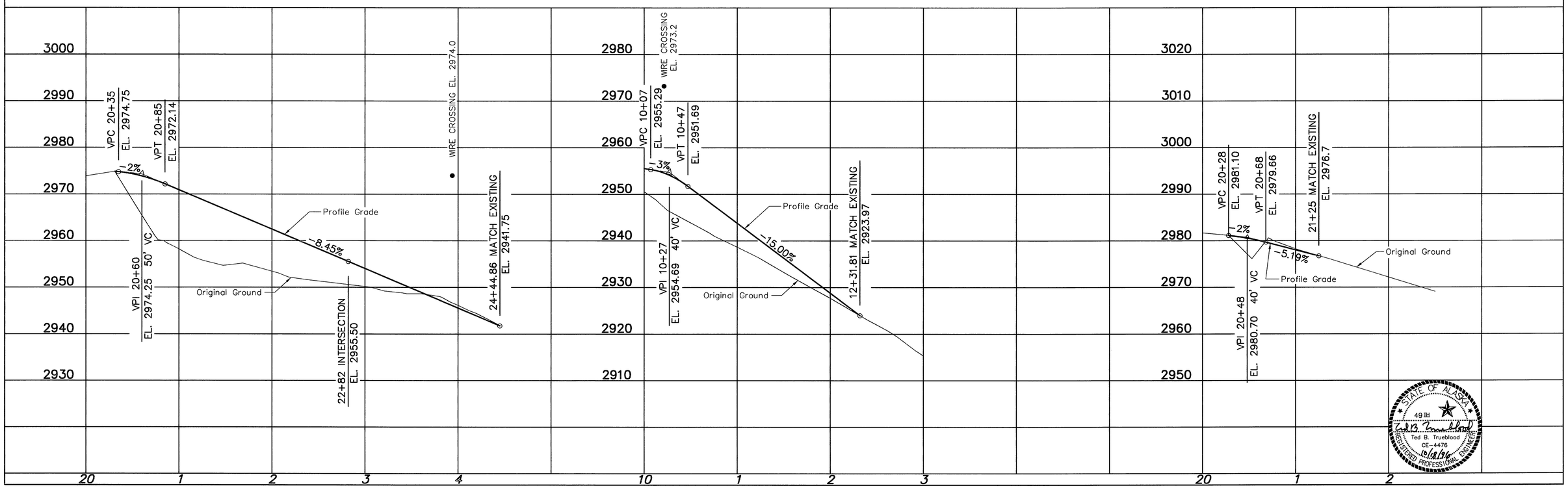
YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
1996	ALASKA	IR-0A1-5(4)/56454	E-52	148



DRIVE APPROACH 662+50 RT.



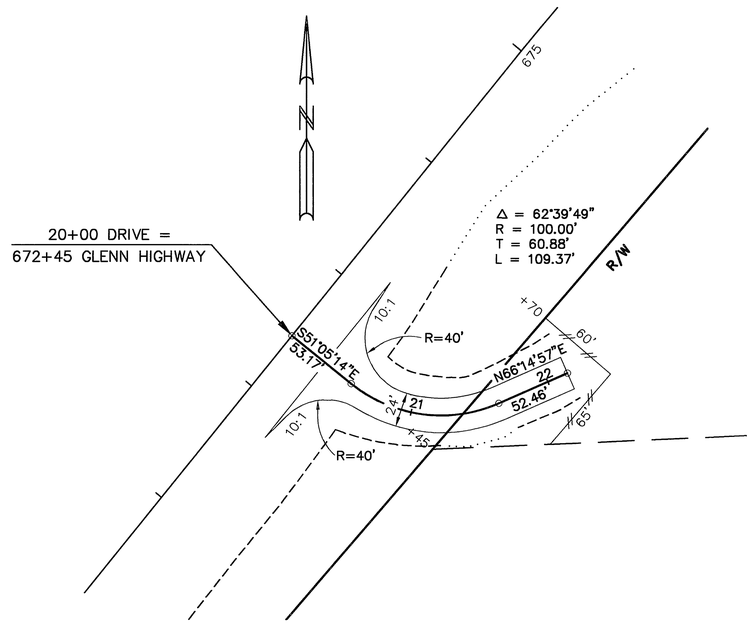
DRIVE APPROACH 671+00 RT.



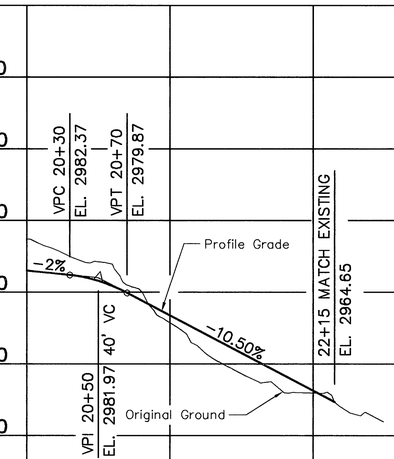
STATE OF ALASKA
49TH
Ted B. Trueblood
CE-4476
10/18/96
REGISTERED PROFESSIONAL ENGINEER

G109-E52 - 10/17/96

YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
1996	ALASKA	IR-0A1-5(4)/56454	E-53	148



DRIVE APPROACH 672+45 RT.

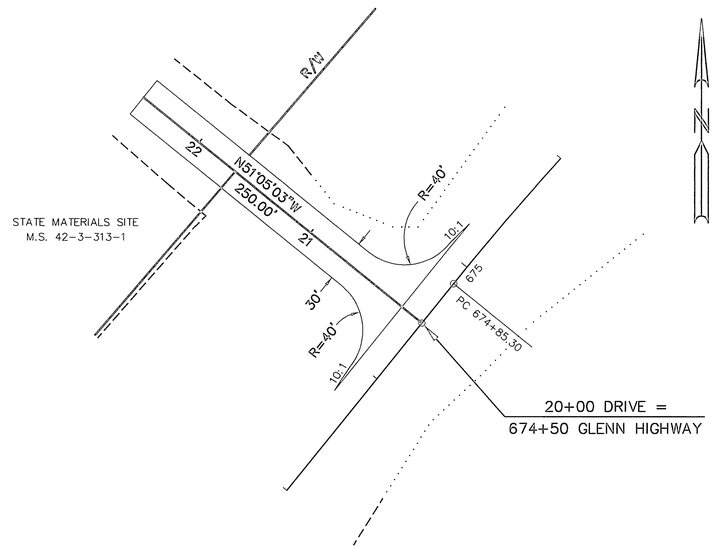


STATE OF ALASKA
49TH
Ted B. Trueblood
CE-4476
10/18/96
REGISTERED PROFESSIONAL ENGINEER

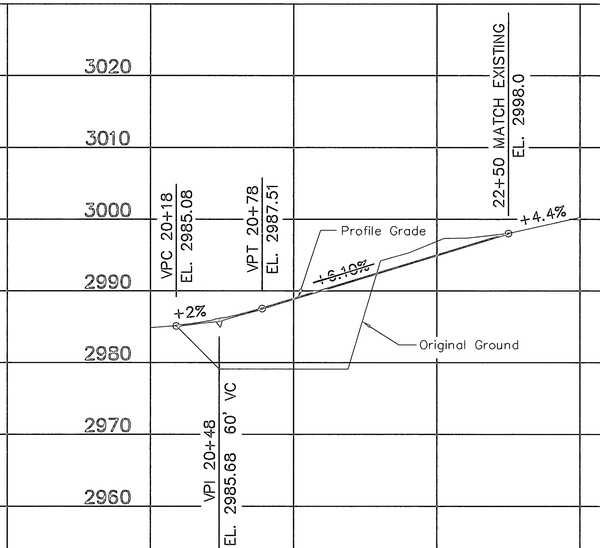
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G109-E53 - 10/17/96

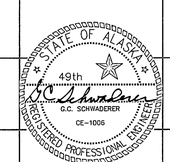
YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
1996	ALASKA	IR-0A1-5(4)/56454	E-54	148



DRIVE APPROACH 674+50 LT.



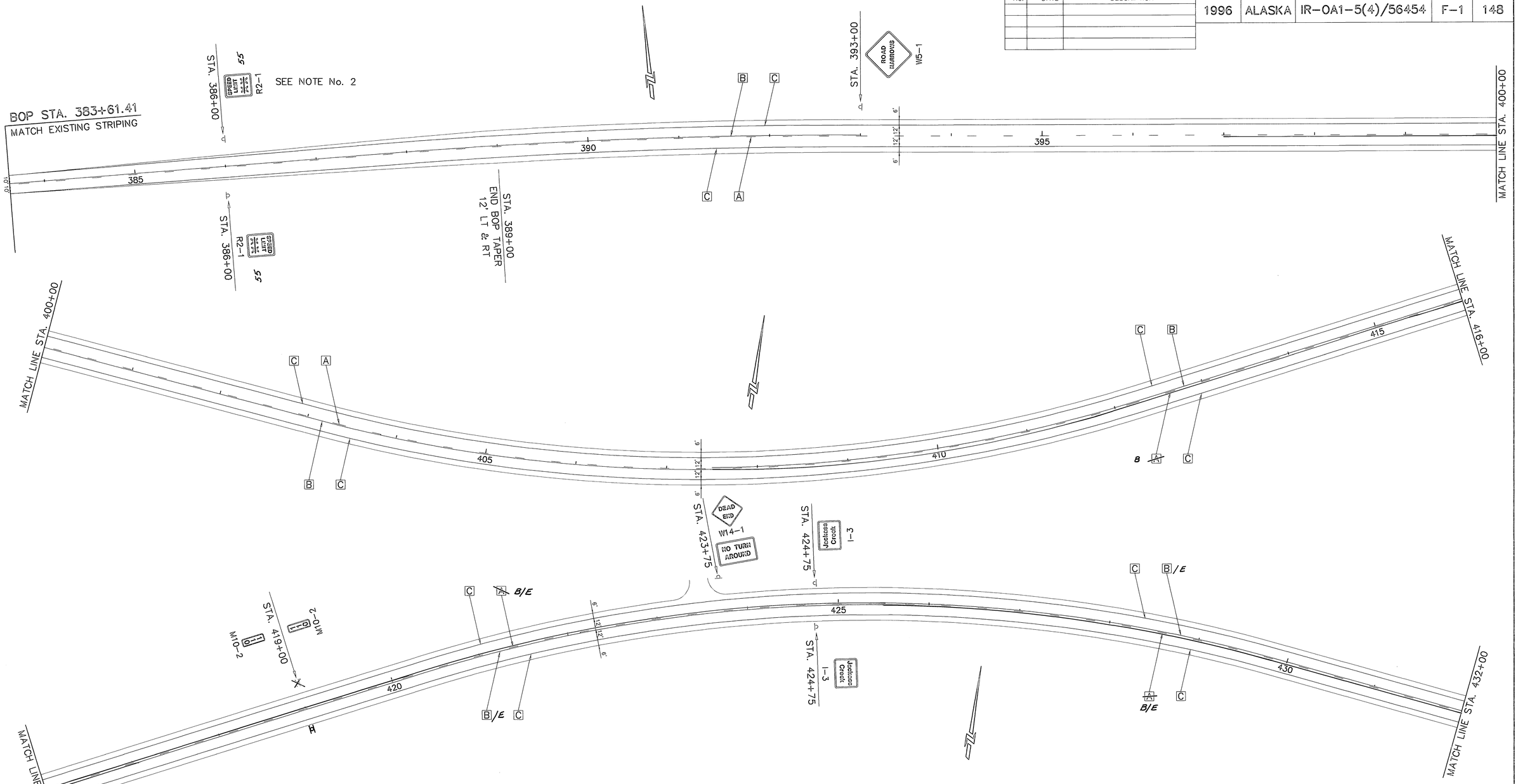




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REVISIONS		
No.	DATE	DESCRIPTION

YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
1996	ALASKA	IR-0A1-5(4)/56454	F-1	148



STRIPING TABLE

SYMBOL	DESCRIPTION	WIDTH
A	BROKEN YELLOW	4"
B	SOLID YELLOW	4"
C	SOLID WHITE	4"
D	BROKEN WHITE	4"
E	SOLID DOUBLE YELLOW	2-4"

NOTES

1. THE FINAL LOCATION OF "NO PASSING" ZONES WILL BE MADE BY THE ENGINEER IN THE FIELD PRIOR TO PAVING.
2. THE SPEED LIMIT WILL BE DETERMINED BY THE ENGINNER.

STATE OF ALASKA
49TH
Ted B. Trueblood
CE-4476
10/9/96
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
49th
D.C. SCHWANDNER
CE-1006
REGISTERED PROFESSIONAL ENGINEER

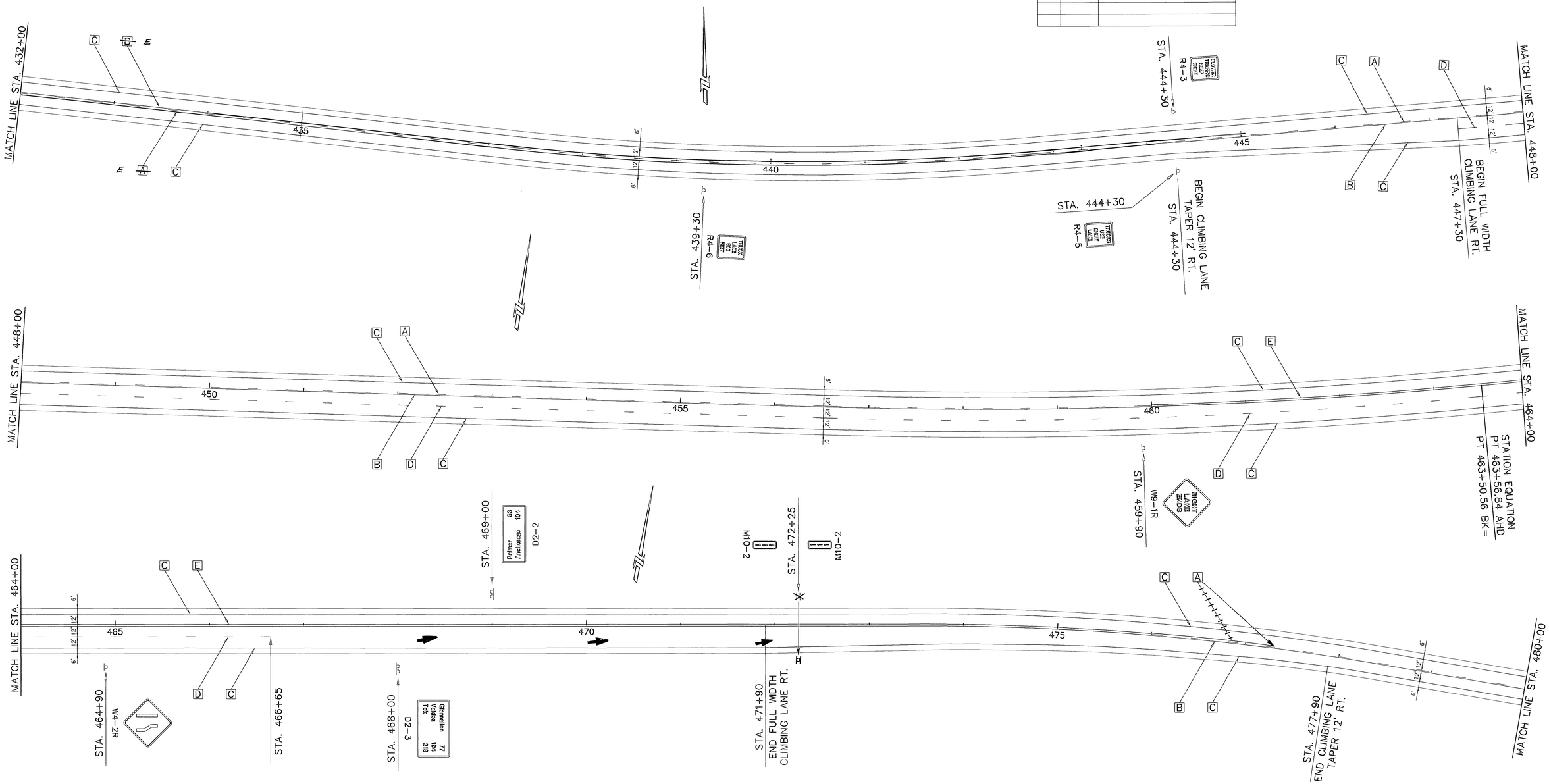
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

GLENN HIGHWAY
MP 109 TO MP 118

SIGNING AND STRIPING

REVISIONS		
No.	DATE	DESCRIPTION

YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
1996	ALASKA	IR-0A1-5(4)/56454	F-2	148



STRIPING TABLE		
SYMBOL	DESCRIPTION	WIDTH
A	BROKEN YELLOW	4"
B	SOLID YELLOW	4"
C	SOLID WHITE	4"
D	BROKEN WHITE	4"
E	SOLID DOUBLE YELLOW	2-4"

STATE OF ALASKA
49th
Ted B. Trueblood
CE-4476
10/9/96
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
49th
G.C. SCHWABERER
CE-1005
REGISTERED PROFESSIONAL ENGINEER

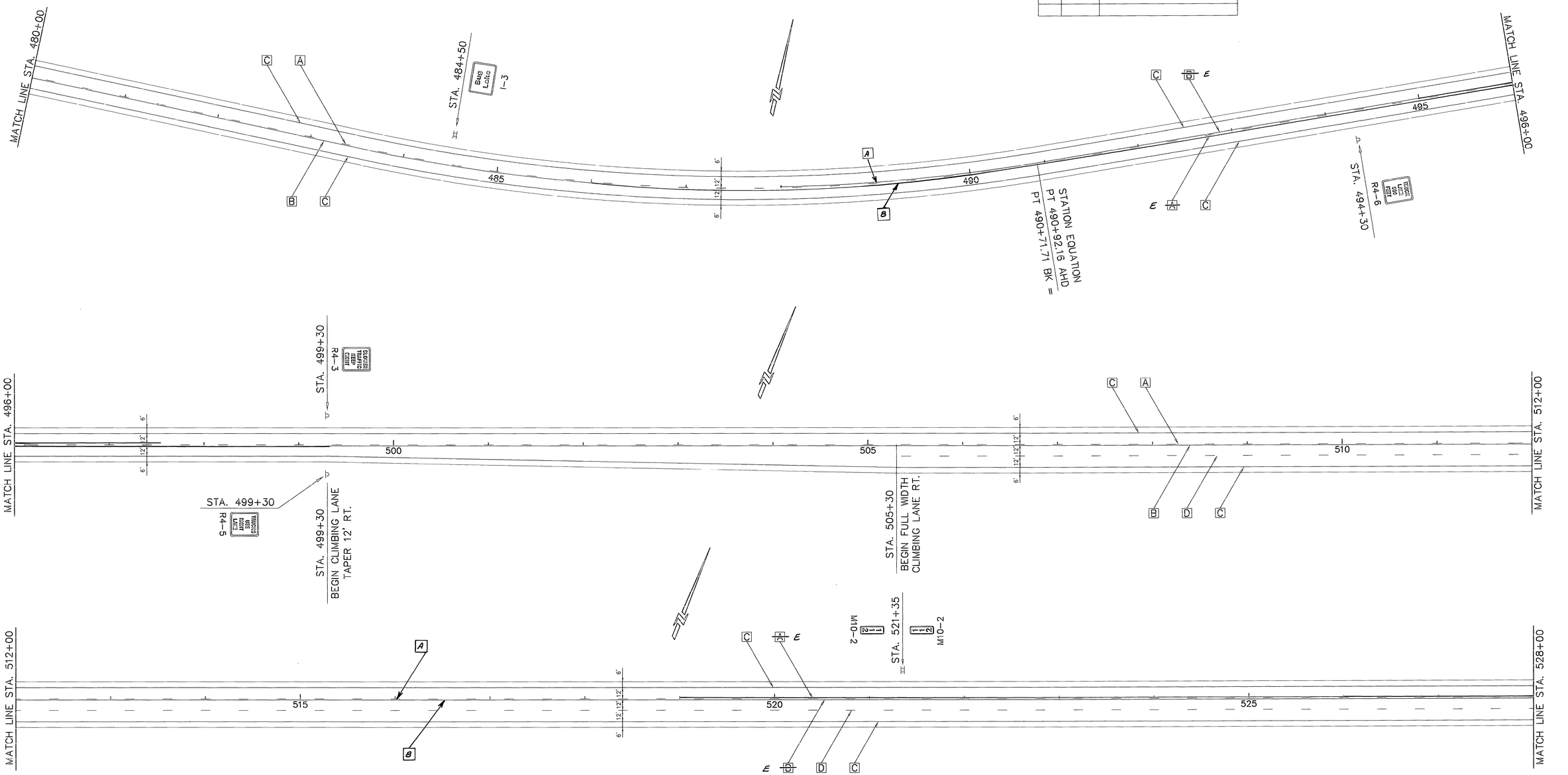
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

GLENN HIGHWAY
MP 109 TO MP 118

SIGNING AND STRIPING

REVISIONS		
No.	DATE	DESCRIPTION

YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
1996	ALASKA	IR-0A1-5(4)/56454	F-3	148



STRIPING TABLE		
SYMBOL	DESCRIPTION	WIDTH
A	BROKEN YELLOW	4"
B	SOLID YELLOW	4"
C	SOLID WHITE	4"
D	BROKEN WHITE	4"
E	SOLID DOUBLE YELLOW	2-4"

STATE OF ALASKA
49TH
Ted B. Trueblood
CE-4476
10/9/96
REGISTERED PROFESSIONAL ENGINEER

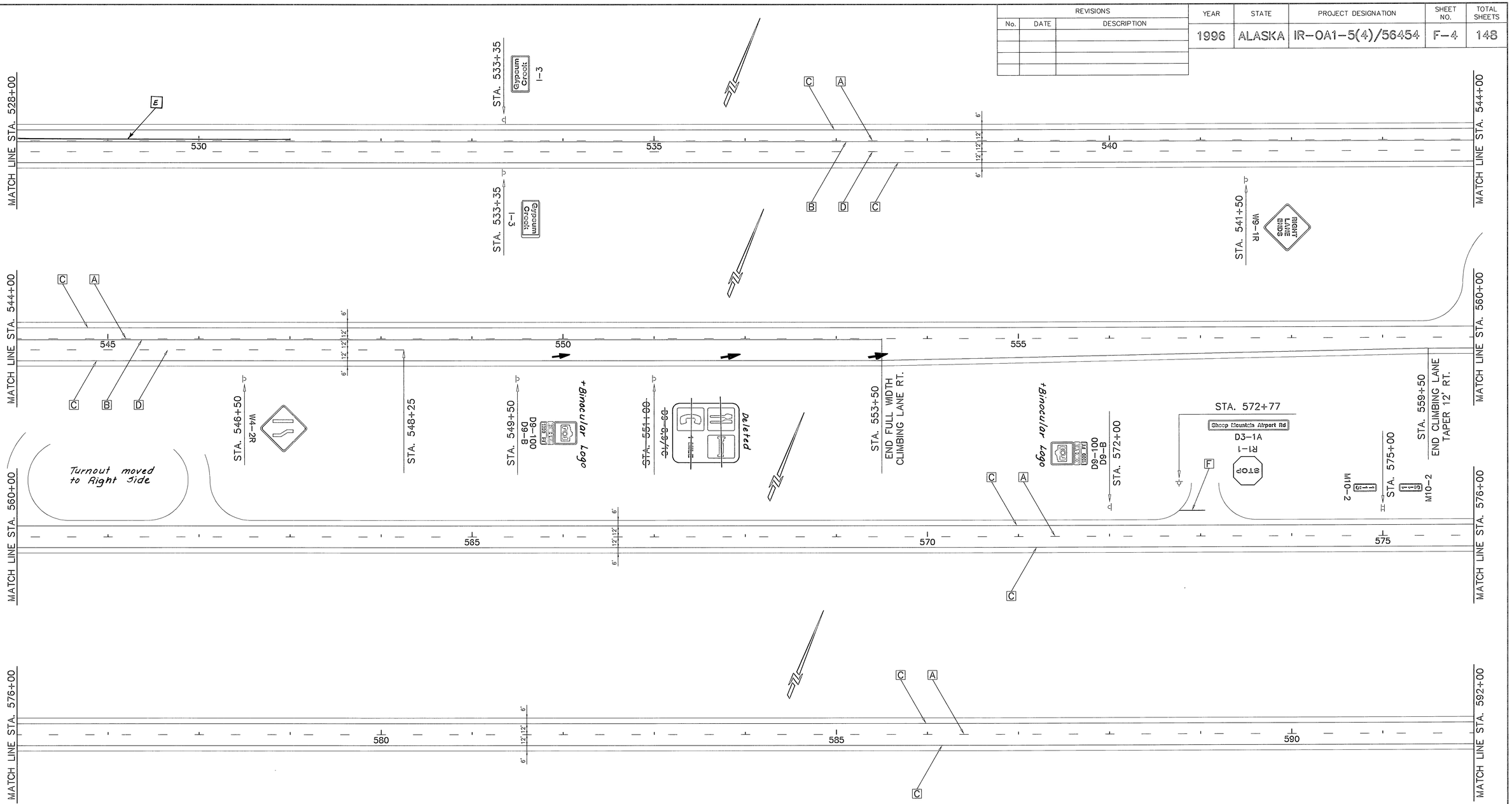
STATE OF ALASKA
49th
G.C. SCHWABDERER
CE-1005
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

GLENN HIGHWAY
MP 109 TO MP 118

SIGNING AND STRIPING

REVISIONS			YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION					
			1996	ALASKA	IR-0A1-5(4)/56454	F-4	148



STRIPING TABLE

SYMBOL	DESCRIPTION	WIDTH
A	BROKEN YELLOW	4"
B	SOLID YELLOW	4"
C	SOLID WHITE	4"
D	BROKEN WHITE	4"
E	SOLID DOUBLE YELLOW	2-4"
F	SOLID WHITE	24"

STATE OF ALASKA
49TH
Ted B. Trueblood
CE-4476
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
49th
G.C. SCHWABERER
CE-1006
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

GLENN HIGHWAY
MP 109 TO MP 118

SIGNING AND STRIPING

REVISIONS			YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION					
			1996	ALASKA	IR-0A1-5(4)/56454	F-5	148

MATCH LINE STA. 592+00

STA. 592+00

STA. 595+90 R4-6

STA. 600+90 R4-3

STA. 600+90 BEGIN CLIMBING LANE TAPER 12' RT. R4-5

STA. 606+90 BEGIN FULL WIDTH CLIMBING LANE RT.

MATCH LINE STA. 608+00

MATCH LINE STA. 608+00

STA. 611+00

STOP R1-1

Sheep Trail D3-1A

STA. 611+75

MATCH LINE STA. 624+00

M10-2

STA. 624+90

M10-2

MATCH LINE STA. 624+00

STA. 630+50 D9-100 D9-B

STA. 640+00

MATCH LINE STA. 640+00

STA. 651+50 D9-100 D9-B

STA. 655+00

MATCH LINE STA. 656+00

STRIPING TABLE

SYMBOL	DESCRIPTION	WIDTH
A	BROKEN YELLOW	4"
B	SOLID YELLOW	4"
C	SOLID WHITE	4"
D	BROKEN WHITE	4"
E	SOLID DOUBLE YELLOW	2-4"
F	SOLID WHITE	24"
G	SOLID WHITE	8"

STATE OF ALASKA
49TH
Ted B. Trueblood
CE-4476
10/10/96
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
49th
G.C. SCHWADERER
CE-1006
REGISTERED PROFESSIONAL ENGINEER

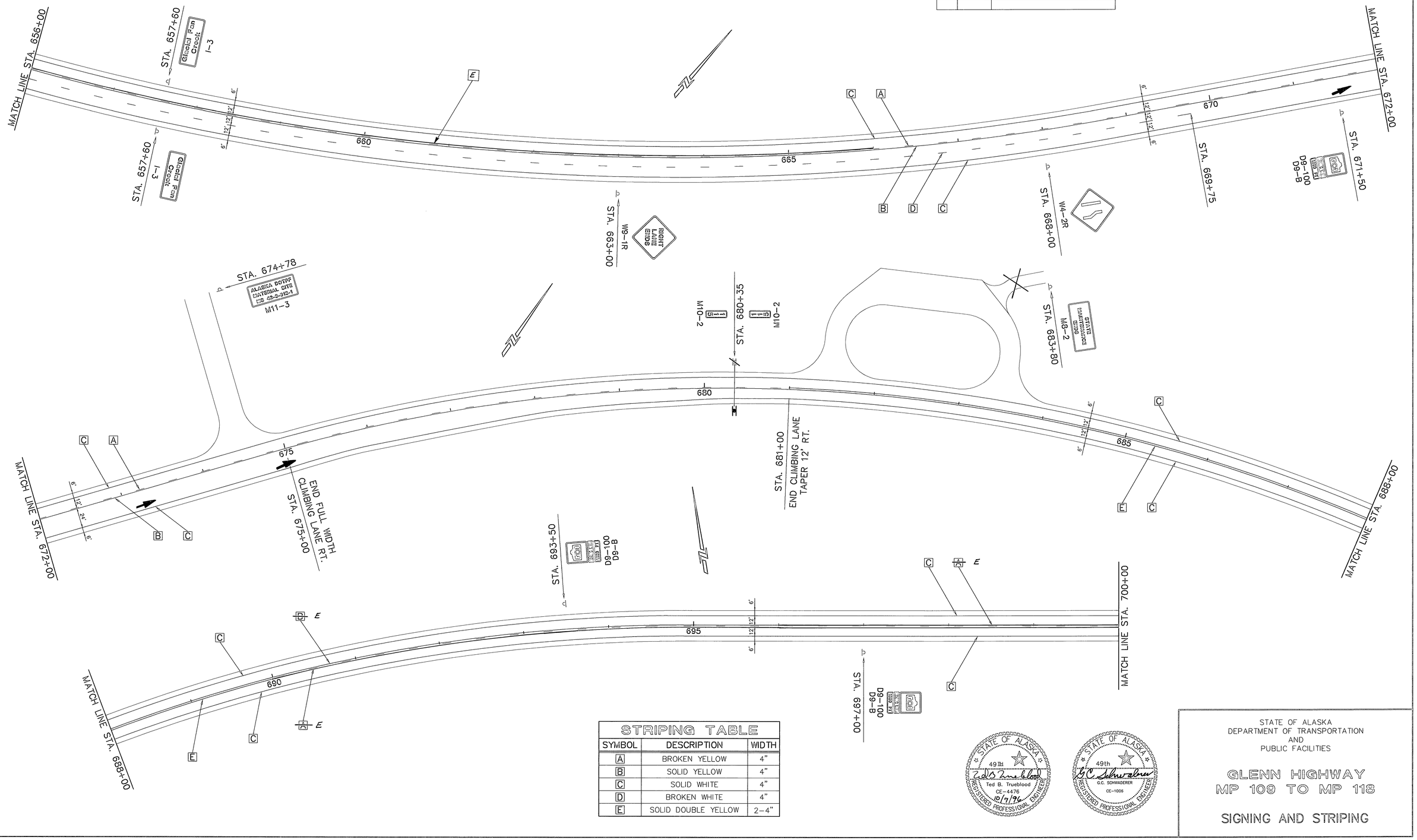
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

GLENN HIGHWAY
MP 109 TO MP 118

SIGNING AND STRIPING

REVISIONS		
No.	DATE	DESCRIPTION

YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
1996	ALASKA	IR-0A1-5(4)/56454	F-6	148



STRIPING TABLE

SYMBOL	DESCRIPTION	WIDTH
A	BROKEN YELLOW	4"
B	SOLID YELLOW	4"
C	SOLID WHITE	4"
D	BROKEN WHITE	4"
E	SOLID DOUBLE YELLOW	2-4"

STATE OF ALASKA
49TH
Ted B. Trueblood
CE-4476
REGISTERED PROFESSIONAL ENGINEER
12/1/96

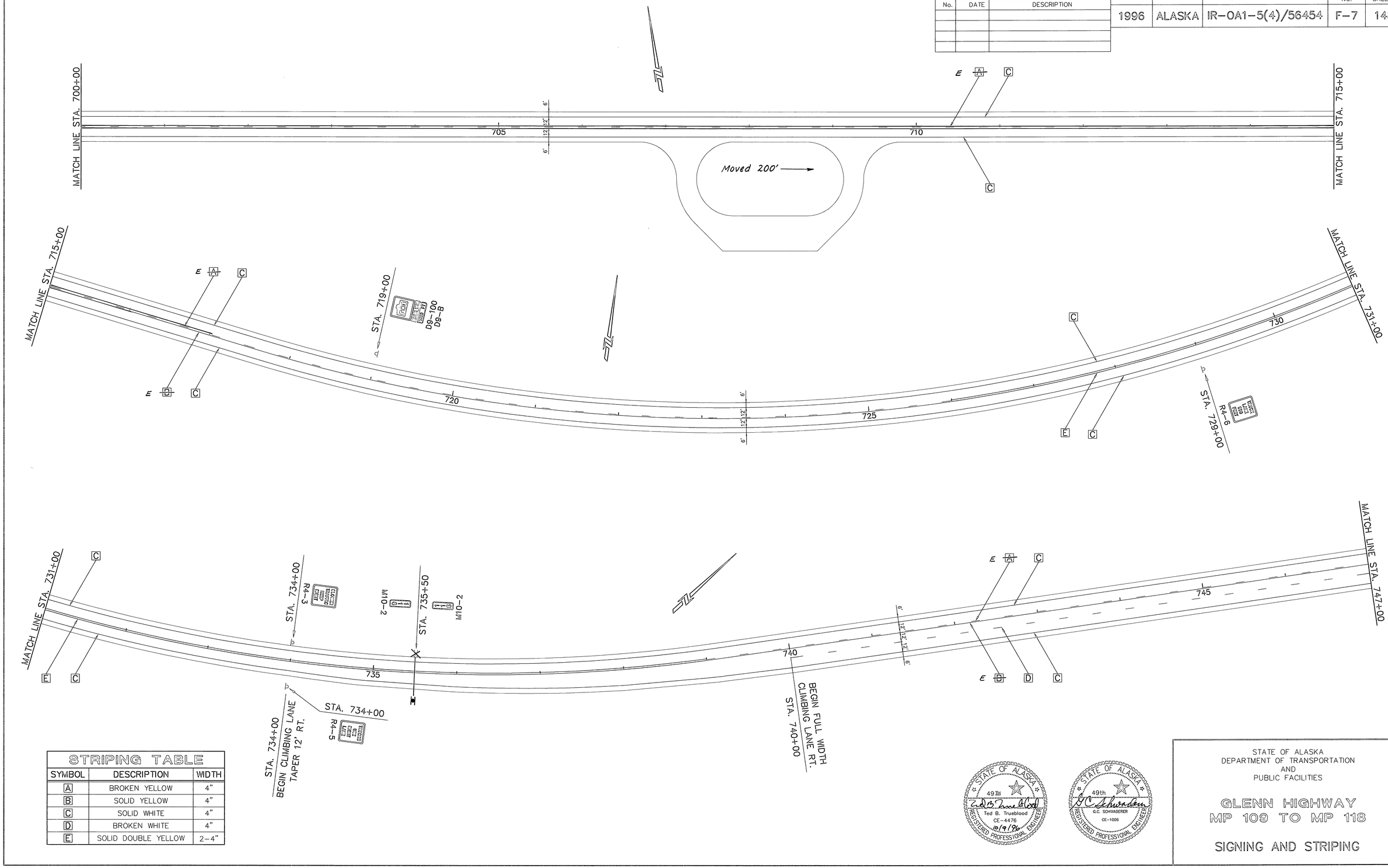
STATE OF ALASKA
49th
G.C. SCHWADERER
CE-1005
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

GLENN HIGHWAY
MP 109 TO MP 118

SIGNING AND STRIPING

REVISIONS			YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION					
			1996	ALASKA	IR-0A1-5(4)/56454	F-7	148



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A	BROKEN YELLOW	4"
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STATE OF ALASKA
49TH
Ted B. Trueblood
CE-4476
10/9/96
REGISTERED PROFESSIONAL ENGINEER

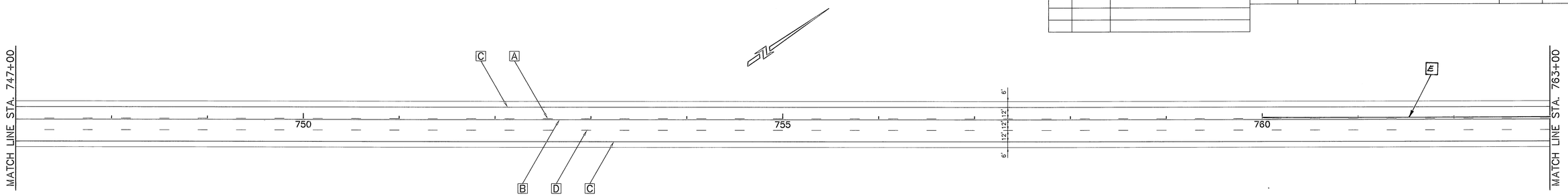
STATE OF ALASKA
49th
G.C. SCHWABERER
CE-1006
REGISTERED PROFESSIONAL ENGINEER

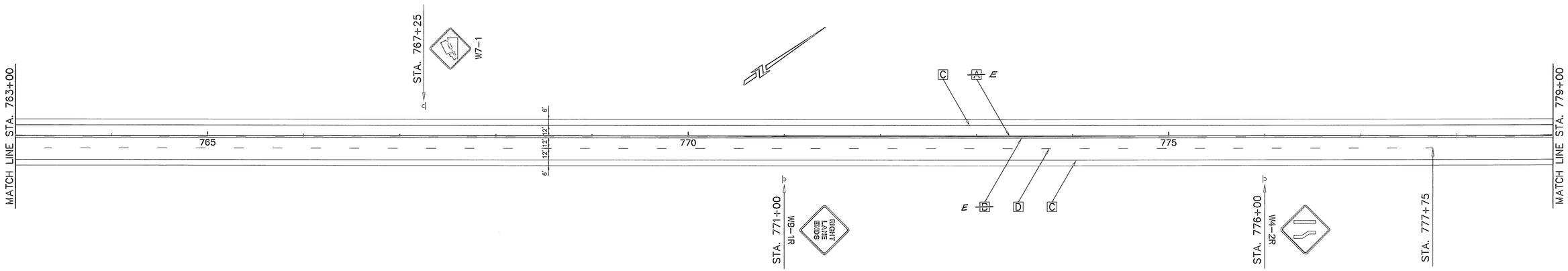
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

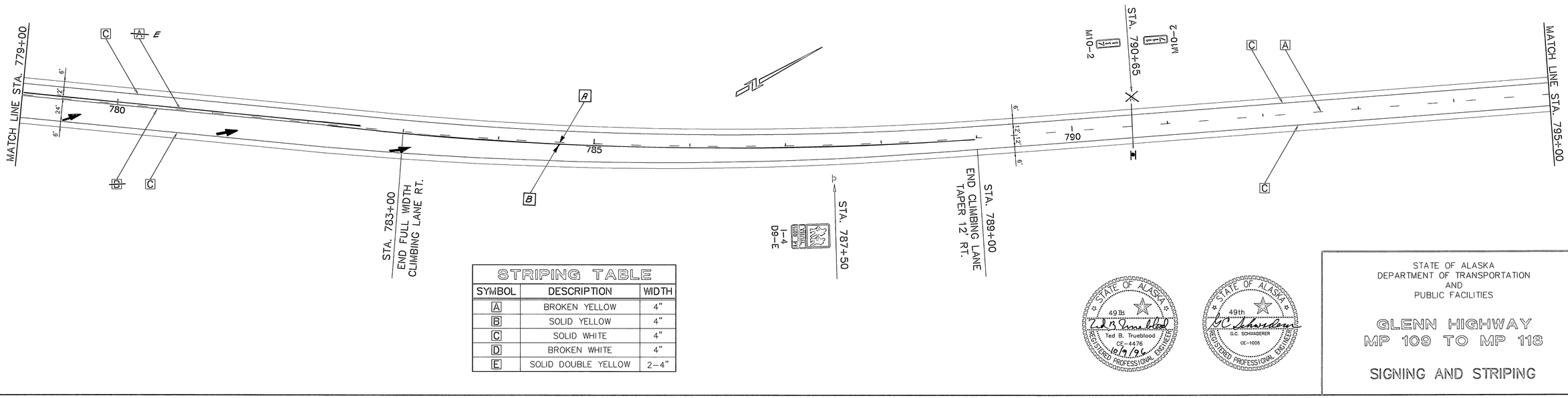
GLENN HIGHWAY
MP 109 TO MP 118

SIGNING AND STRIPING

REVISIONS			YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION					
			1996	ALASKA	IR-0A1-5(4)/56454	F-8	148







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STATE OF ALASKA
49TH
Ted B. Trueblood
CE-4476
10/9/96
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
49th
G.C. SCHWAEDERER
CE-1006
REGISTERED PROFESSIONAL ENGINEER

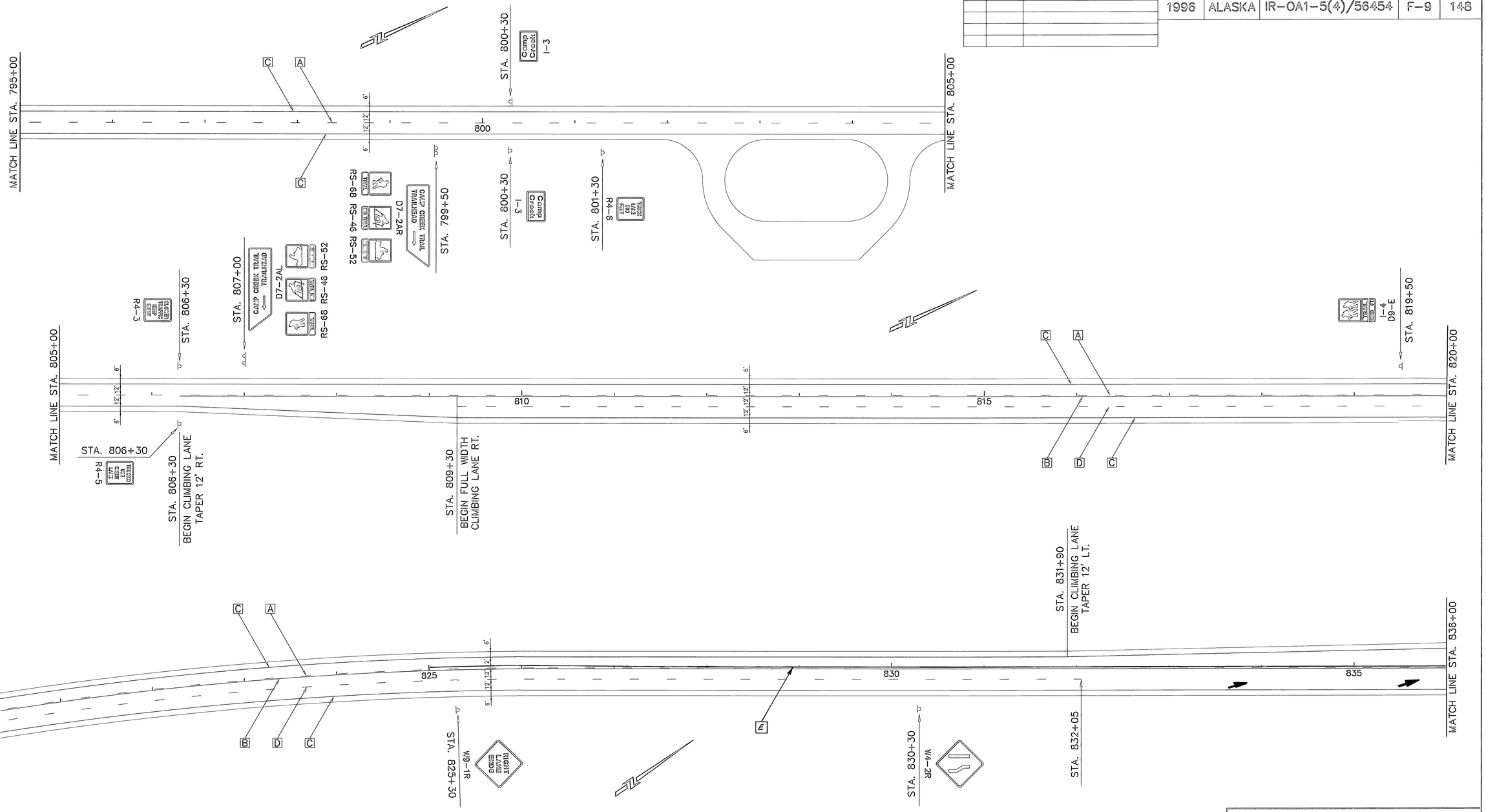
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

GLENN HIGHWAY
MP 109 TO MP 118

SIGNING AND STRIPING

REVISIONS		
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STATE OF ALASKA
49TH
Ted B. Trueblood
CE-4476
10/7/96
REGISTERED PROFESSIONAL ENGINEER

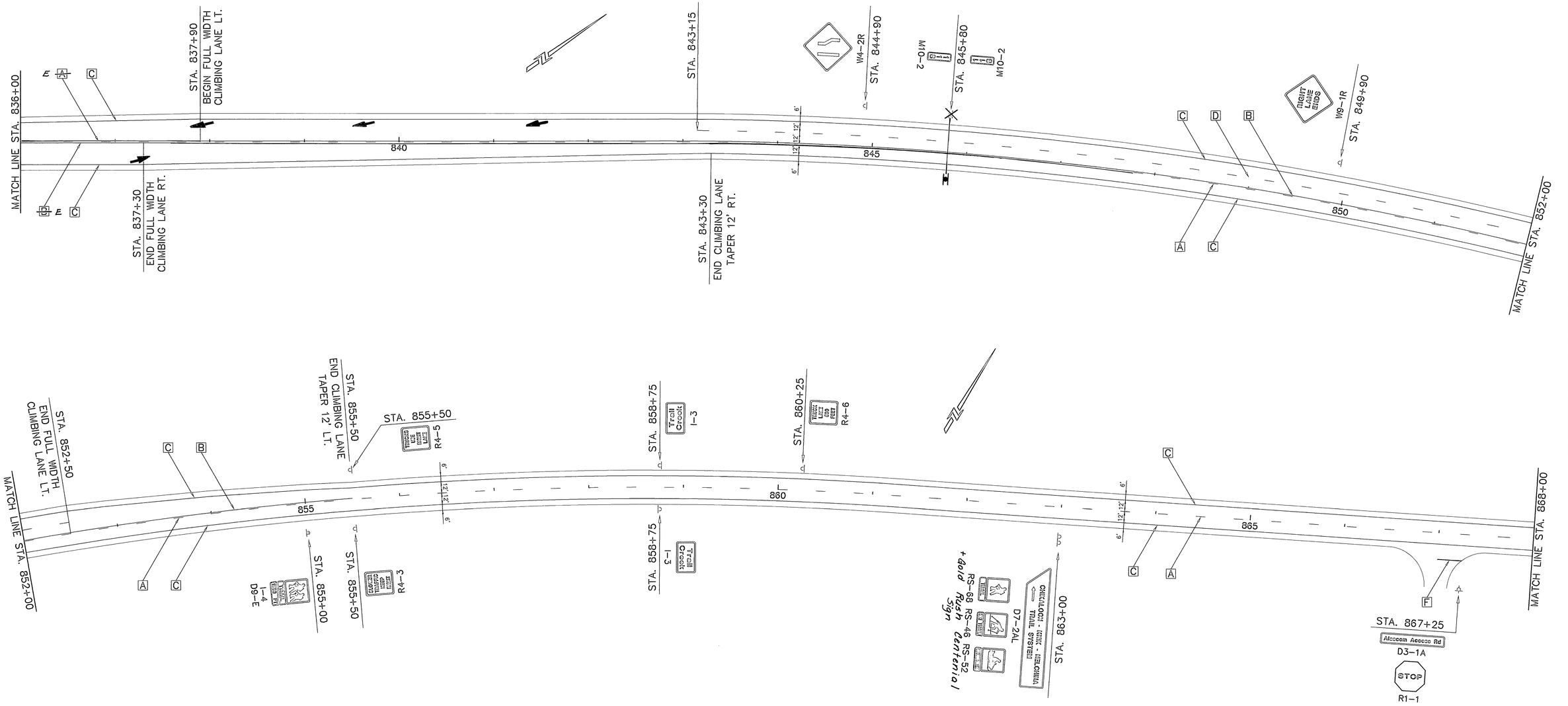
STATE OF ALASKA
49th
G.C. SCHRADERER
CE-1006
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

GLENN HIGHWAY
MP 109 TO MP 118

SIGNING AND STRIPING

REVISIONS			YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION					
			1996	ALASKA	IR-0A1-5(4)/56454	F-10	148



STRIPING TABLE

SYMBOL	DESCRIPTION	WIDTH
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B	SOLID YELLOW	4"
C	SOLID WHITE	4"
D	BROKEN WHITE	4"
E	SOLID DOUBLE YELLOW	2-4"
F	SOLID WHITE	24"

STATE OF ALASKA
49TH
Ted B. Trueblood
CE-4476
10/9/96
REGISTERED PROFESSIONAL ENGINEER

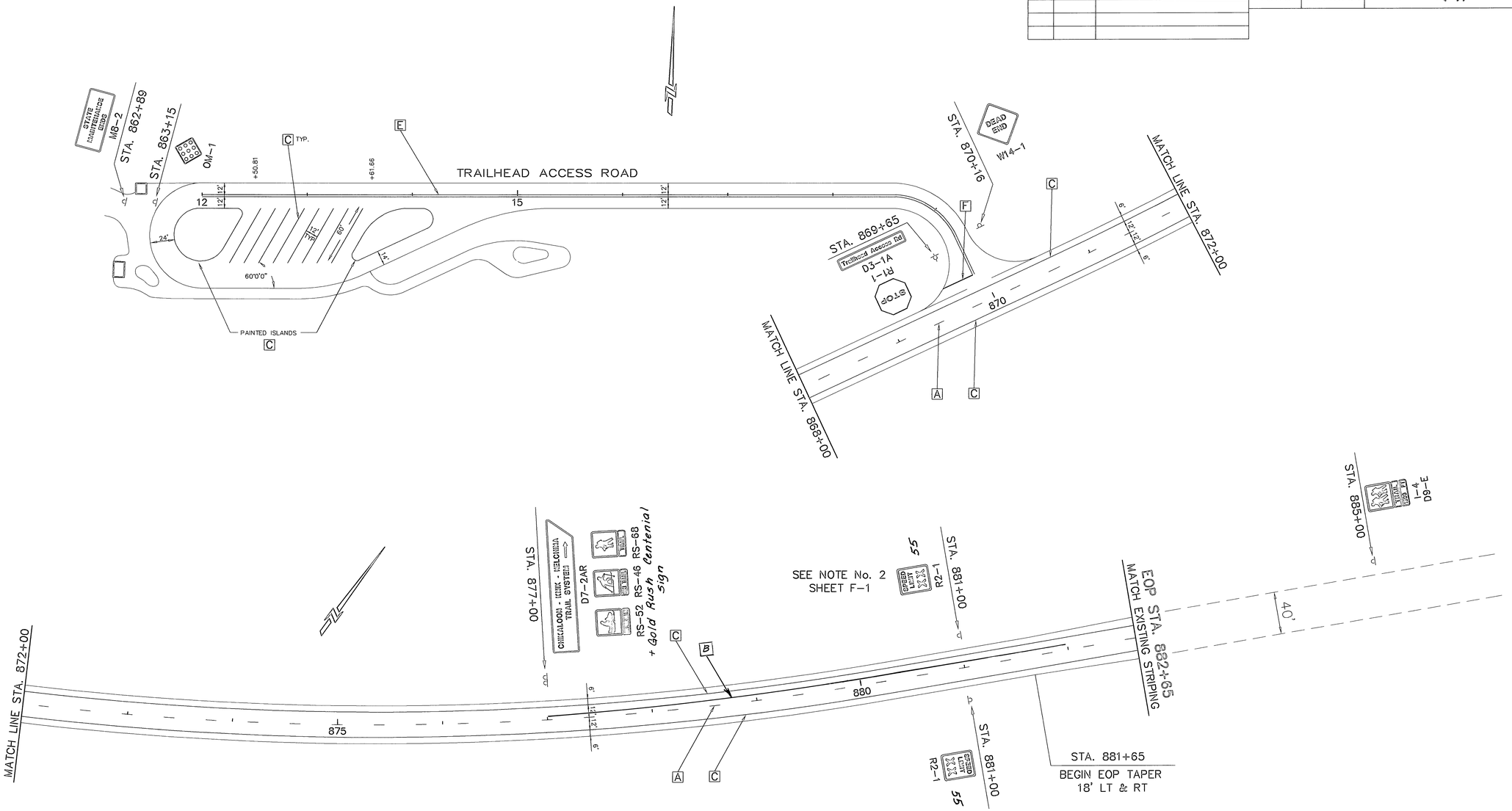
STATE OF ALASKA
49th
G.C. SCHWADERER
CE-1006
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

GLENN HIGHWAY
MP 109 TO MP 118

SIGNING AND STRIPING

REVISIONS			YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
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STATE OF ALASKA
49TH
Ted B. Trueblood
CE-4476
9/5/96
REGISTERED PROFESSIONAL ENGINEER

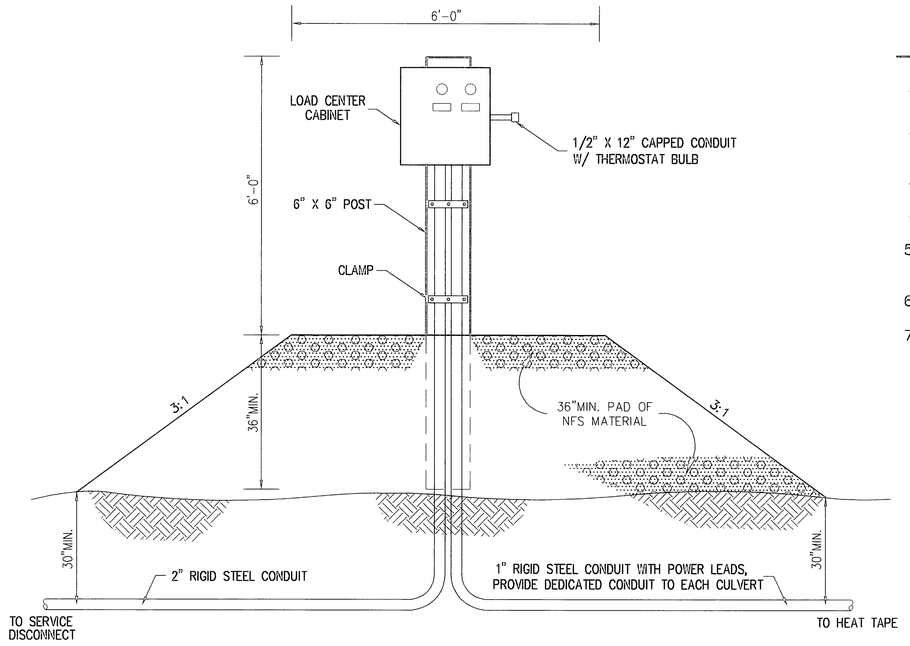
STATE OF ALASKA
49th
G.C. SCHNADERER
CE-1006
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

GLENN HIGHWAY
MP 109 TO MP 118

SIGNING AND STRIPING

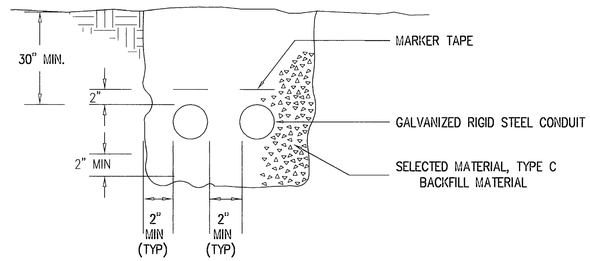
REVISIONS			YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION					
			1996	ALASKA	IR-0A1-5(4)/56454	G-1	148



ELECTRICAL LOAD CENTER DETAIL

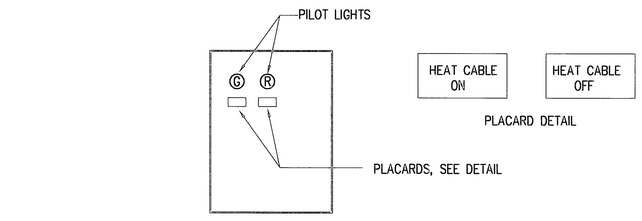
NOTES

1. ALL WOOD SHALL BE COMMERCIALLY TREATED
2. PROVIDE NEMA 1 ENCLOSURES FOR CONTACTOR, HAND-OFF-AUTO SWITCH, THERMOSTATS, AND PANEL BOARD. (WITHIN NEMA 4 CABINET)
3. ORIENT PANEL FACE TO BE PARALLEL WITH AND FACING THE HIGHWAY.
4. PROVIDE SYSTEM COMPONENTS TO FIT INTO CABINET AS SHOWN.
5. MOUNT CAUTION SIGN TO SIDE OF TREATED POSTS FACING THE HIGHWAY AT CULVERT ENTRY AND EXIT AND AT THE LOAD CENTER CABINET.
6. SEE STANDARD DRAWING S0.00 FOR ALUMINUM SIGN SPECIFICATIONS.
7. CONSTRUCT A 6' x 6' PAD, 36" DEEP WITH 3:1 SIDE SLOPES, OUT OF A NON-FROST SUSCEPTIBLE MATERIAL, TO SUPPORT THE ELECTRICAL LOAD CENTER.

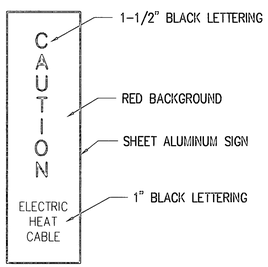


TRENCH DETAIL

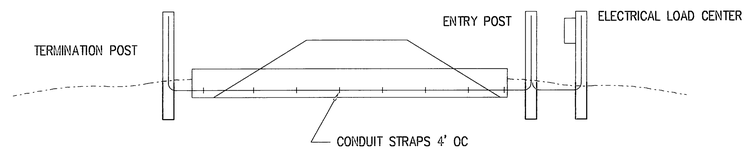
TWO CONDUITS SHOWN. SEE SITE PLANS FOR ACTUAL QUANTITIES



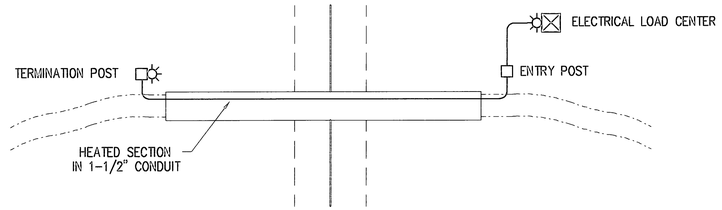
LOAD CENTER CABINET



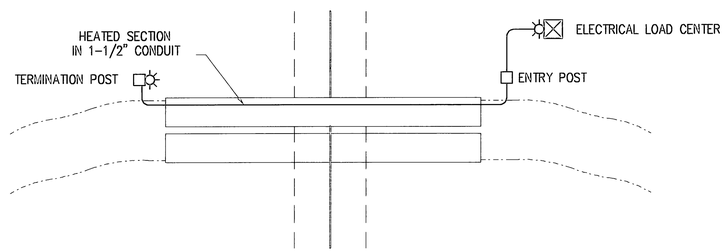
CAUTION SIGN



SINGLE CULVERT PROFILE VIEW



SINGLE CULVERT PLAN VIEW



DOUBLE CULVERT PLAN VIEW

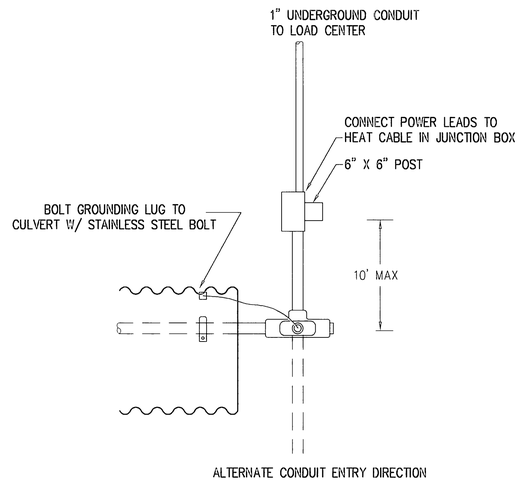
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

GLENN HIGHWAY
MP 109 TO MP 118

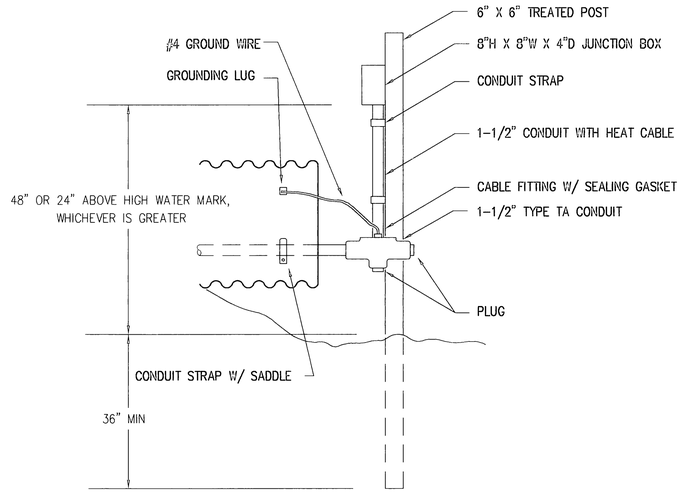
CULVERT THAW WIRE DETAILS

REVISIONS		
No.	DATE	DESCRIPTION

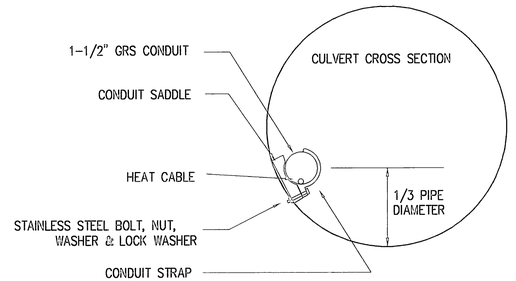
YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
1996	ALASKA	IR-0A1-5(4)/56454	G-2	148



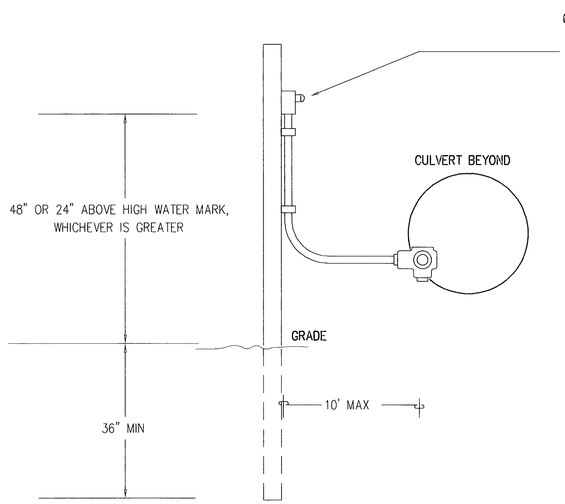
CULVERT ENTRY DETAIL - PLAN VIEW



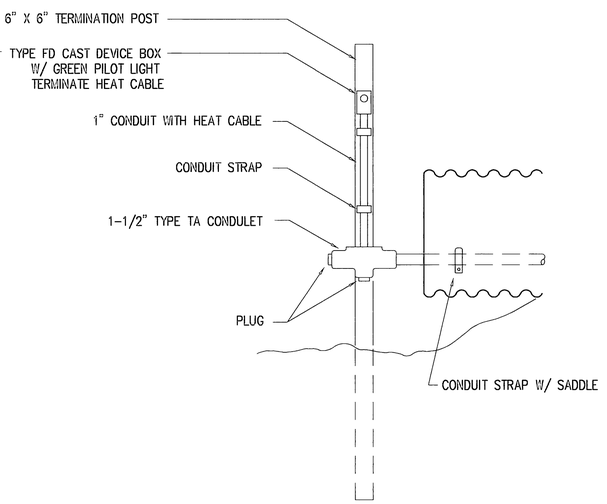
CULVERT ENTRY DETAIL - PROFILE VIEW



CONDUIT FASTENING DETAIL



CULVERT EXIT DETAIL - FRONT VIEW



CULVERT EXIT DETAIL - PROFILE VIEW

NOTES

1. ALL WOOD SHALL BE COMMERCIALLY TREATED

STATE OF ALASKA
Bruce H. MATTSON
1963-E
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

GLENN HIGHWAY
MP 109 TO MP 118

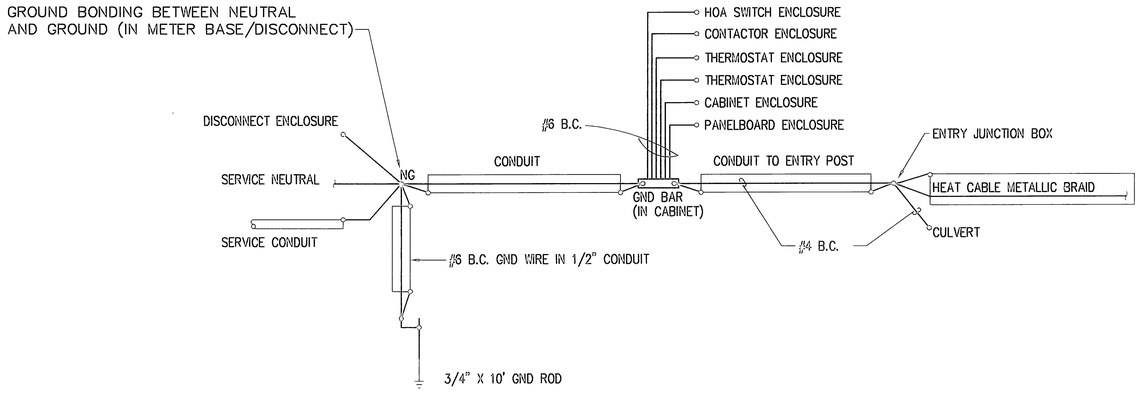
CULVERT THAW WIRE
DETAILS

G109-G02 - 10/04/96

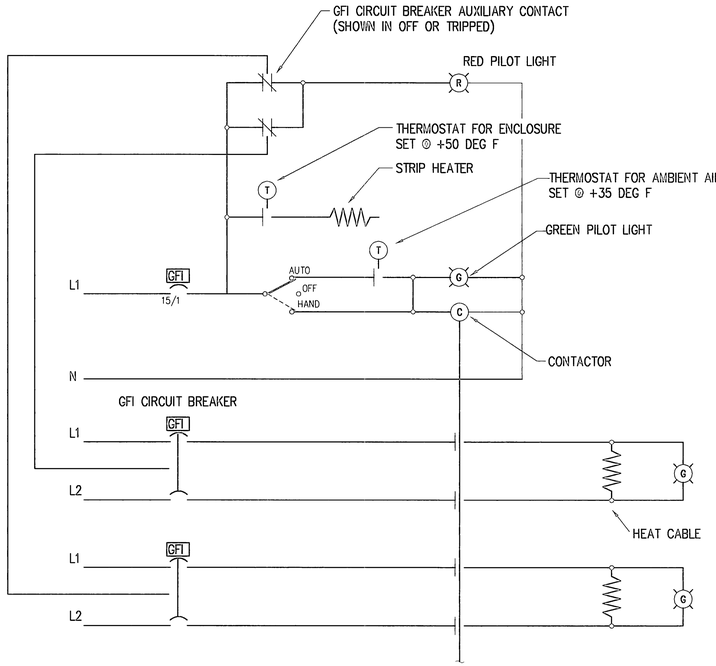
REVISIONS			YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION					
			1996	ALASKA	IR-0A1-5(4)/56454	C-3	148

NOTES

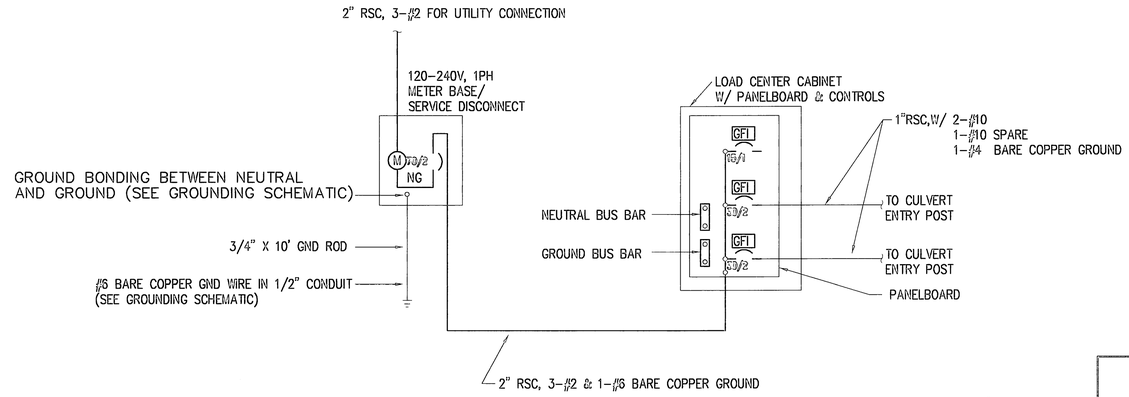
1. TWO CULVERT CIRCUITS ARE SHOWN AS AN EXAMPLE. THE ACTUAL NUMBER SHALL BE PER THE LOCAL SITE PLAN.
2. ALL GROUNDING CONDUCTOR #6 B.C.(BARE COPPER) UNLESS NOTED.



TYPICAL GROUNDING SCHEMATIC



CONTROLS DIAGRAM



SINGLE LINE DIAGRAM

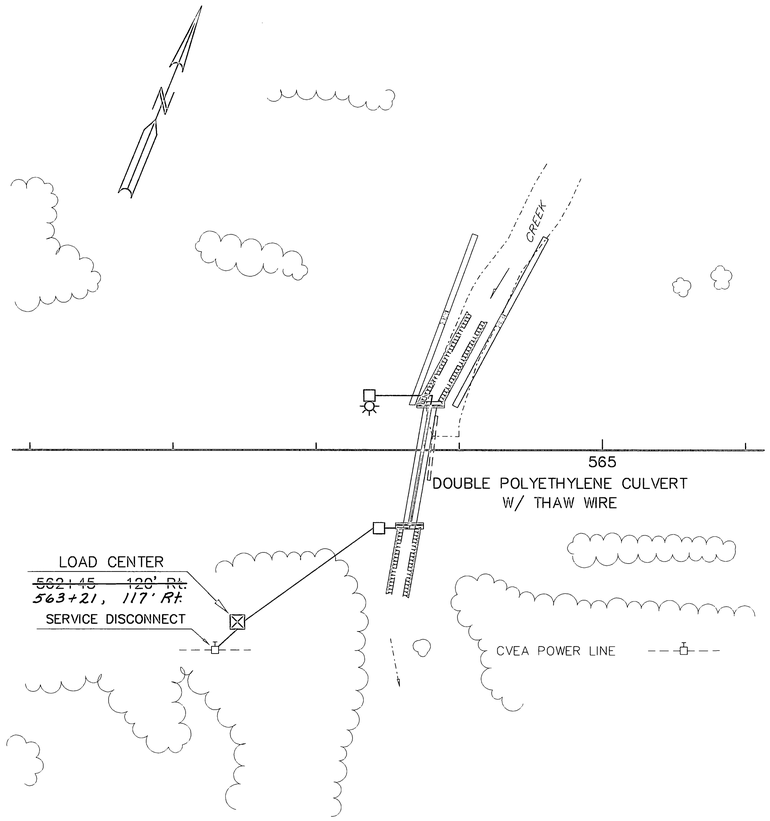


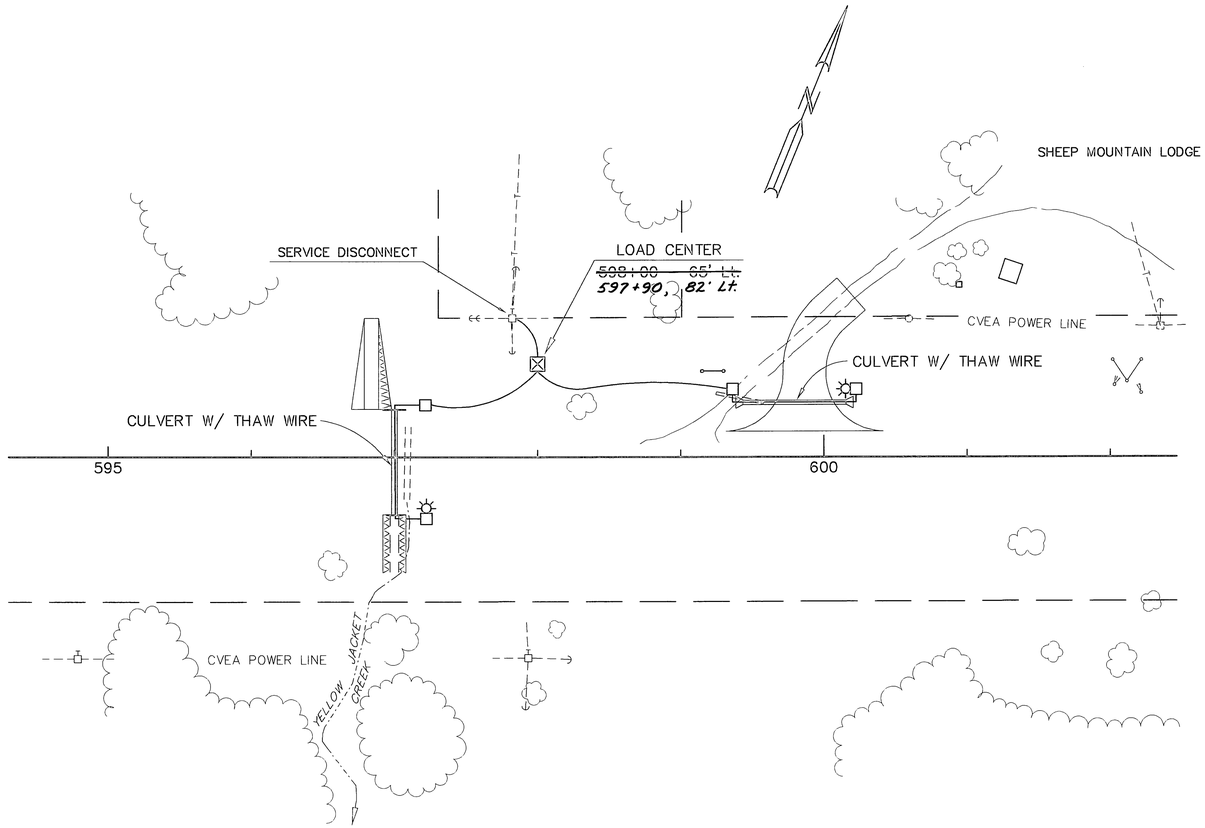
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

GLENN HIGHWAY
MP 109 TO MP 118

CULVERT THAW WIRE DETAILS

REVISIONS			YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION					
			1996	ALASKA	IR-0A1-5(4)/56454	G-4	148





NOTES

1. UTILITY POLES / SERVICE DISCONNECTS ARE SHOWN IN THEIR APPROXIMATE POSITIONS, EXACT LOCATIONS ARE NOT KNOWN.

2. LOCATIONS GIVEN FOR THE LOAD CENTERS ARE APPROXIMATE. FINAL LOCATIONS WILL DEPEND ON UTILITY POLE LOCATIONS, CULVERT LOCATIONS AND VISIBILITY FROM THE ROADWAY AND SHALL BE COORDINATED WITH AND APPROVED BY THE SERVING UTILITY AND THE ENGINEER.

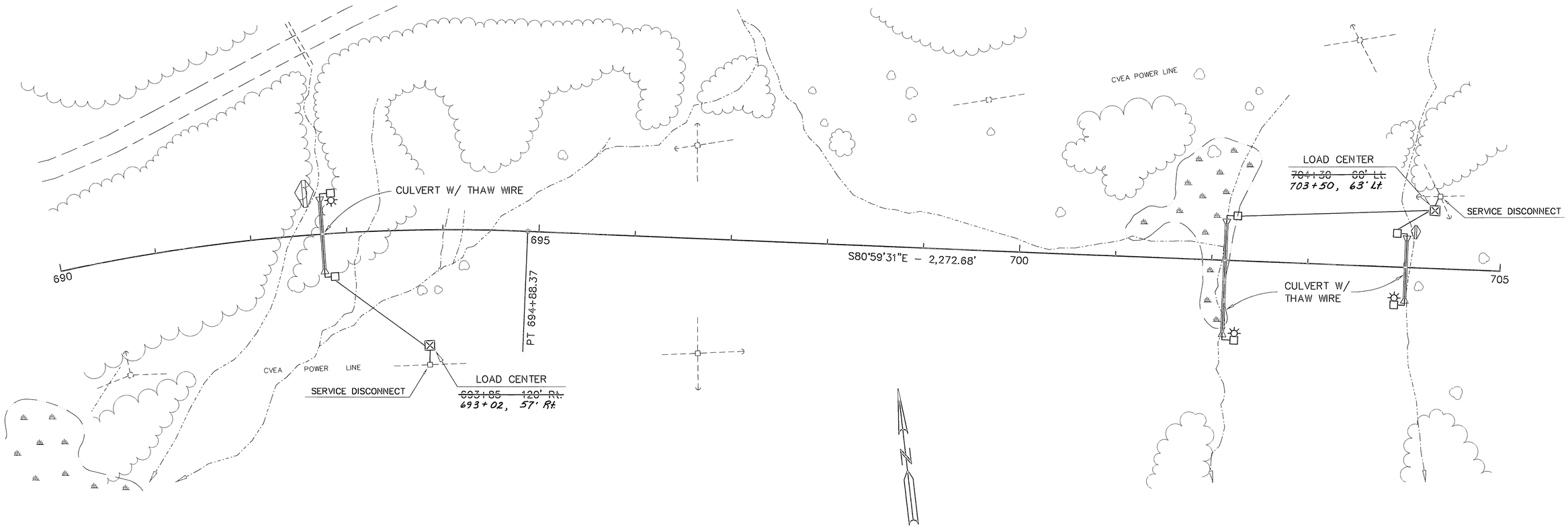
STATE OF ALASKA
Bruce H. MATTSON
1963-E
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

GLENN HIGHWAY
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CULVERT THAW WIRE
SITE PLAN

REVISIONS			YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
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			1996	ALASKA	IR-0A1-5(4)/56454	G-5	148



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
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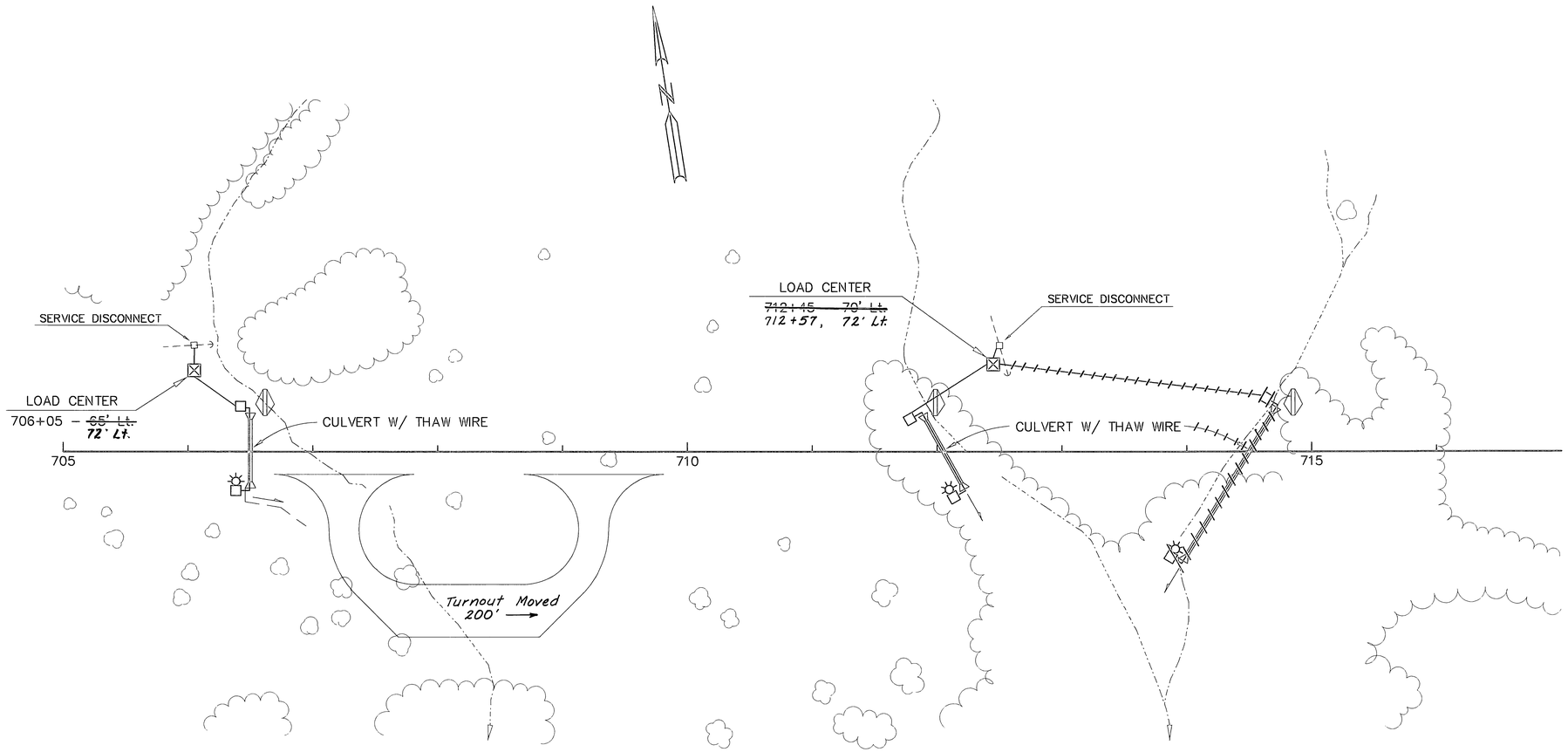
GLENN HIGHWAY
MP 109 TO MP 118

CULVERT THAW WIRE SITE PLAN

STATE OF ALASKA
49TH
Bruce H. MATTSON
1963-E
REGISTERED PROFESSIONAL ENGINEER

REVISIONS		
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1996	ALASKA	IR-0A1-5(4)/56454	G-6	148



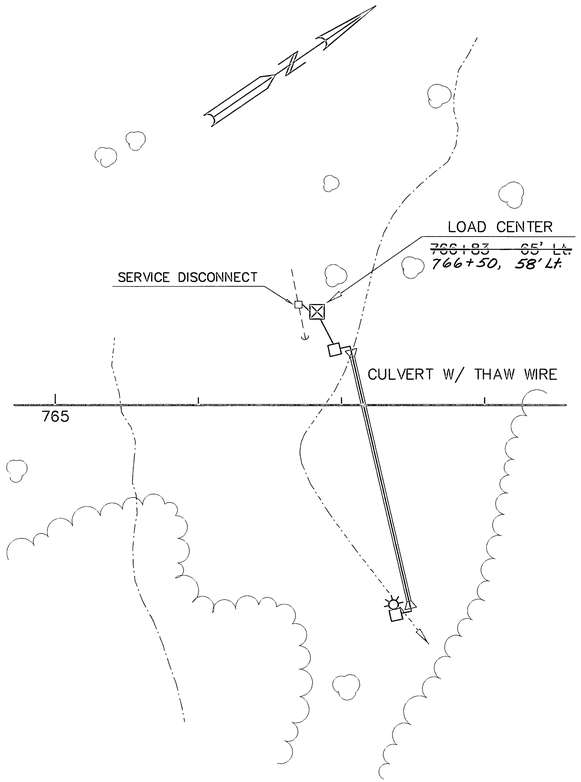
STATE OF ALASKA
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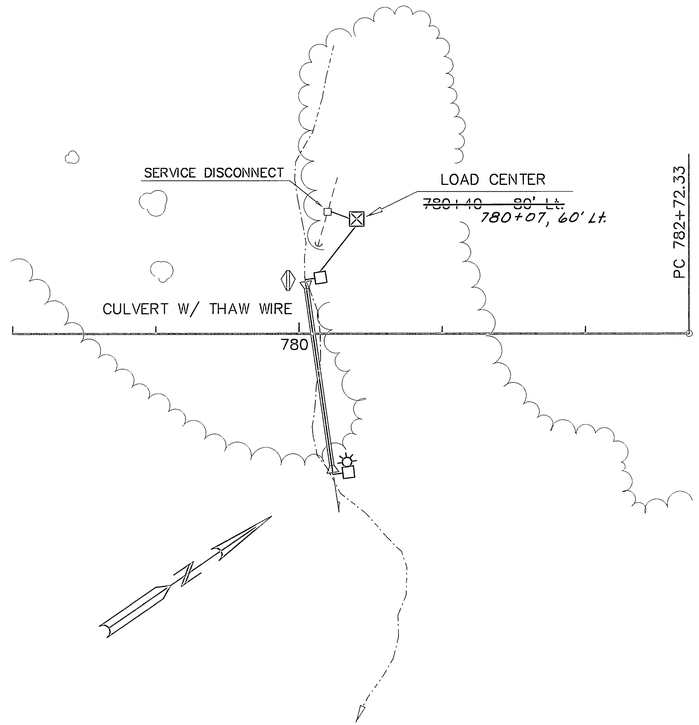
GLENN HIGHWAY
MP 109 TO MP 118

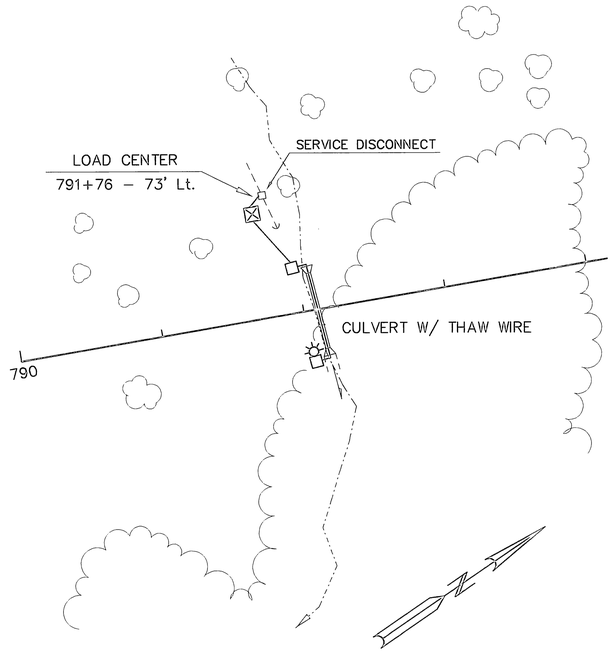
CULVERT THAW WIRE
SITE PLAN

G109-G06 – 10/04/96

REVISIONS			YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION					
			1996	ALASKA	IR-0A1-5(4)/56454	G-7	148





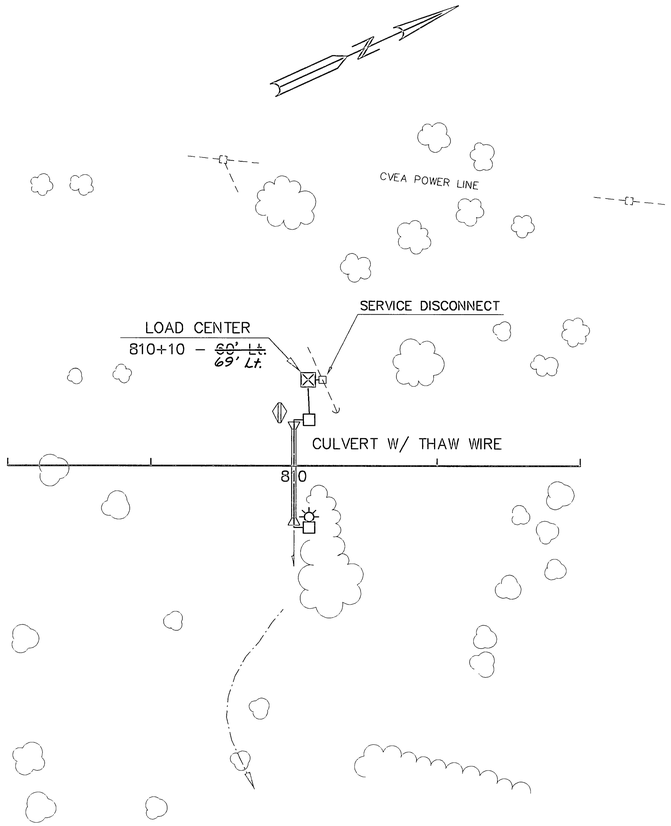


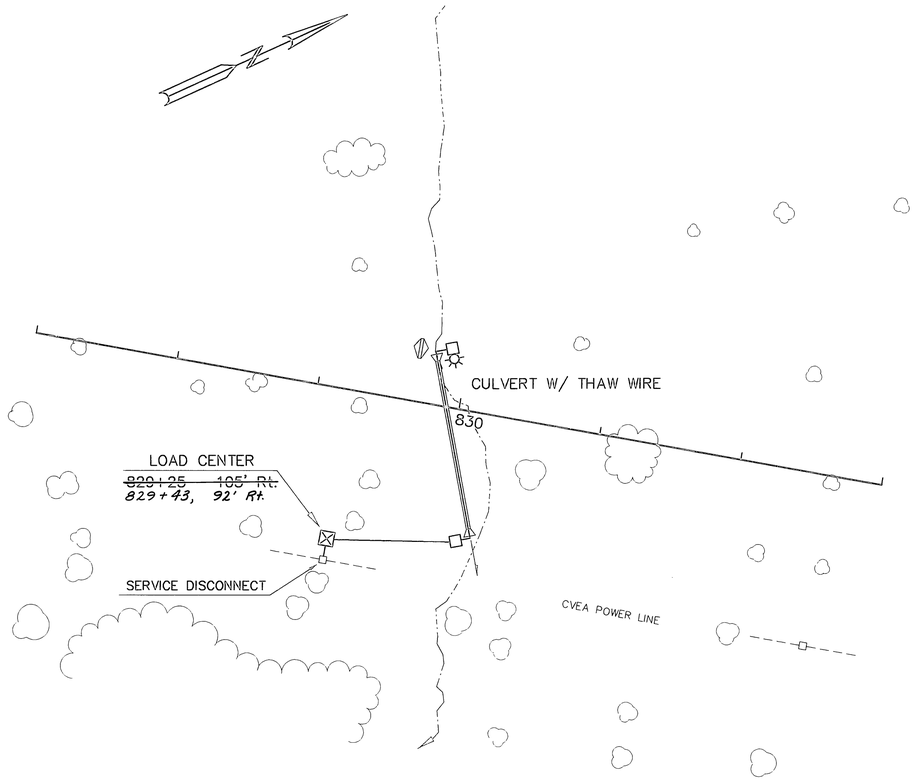
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
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GLENN HIGHWAY
MP 109 TO MP 118

CULVERT THAW WIRE
SITE PLAN

REVISIONS			YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
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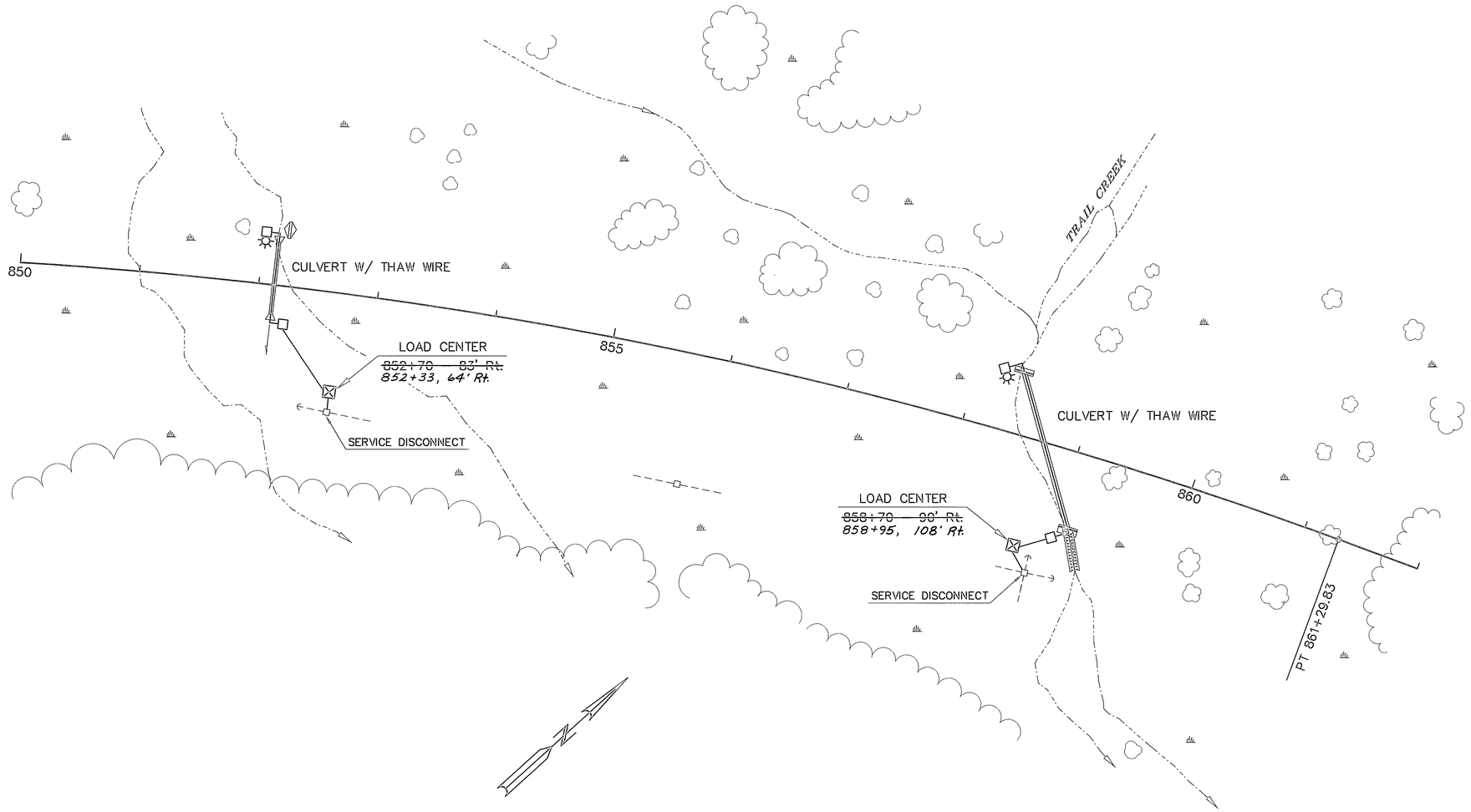
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
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GLENN HIGHWAY
MP 109 TO MP 118

CULVERT THAW WIRE SITE PLAN

REVISIONS		
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YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
1996	ALASKA	IR-0A1-5(4)/56454	G-9	148

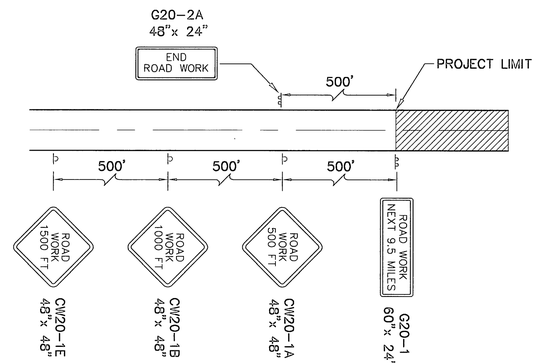


STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

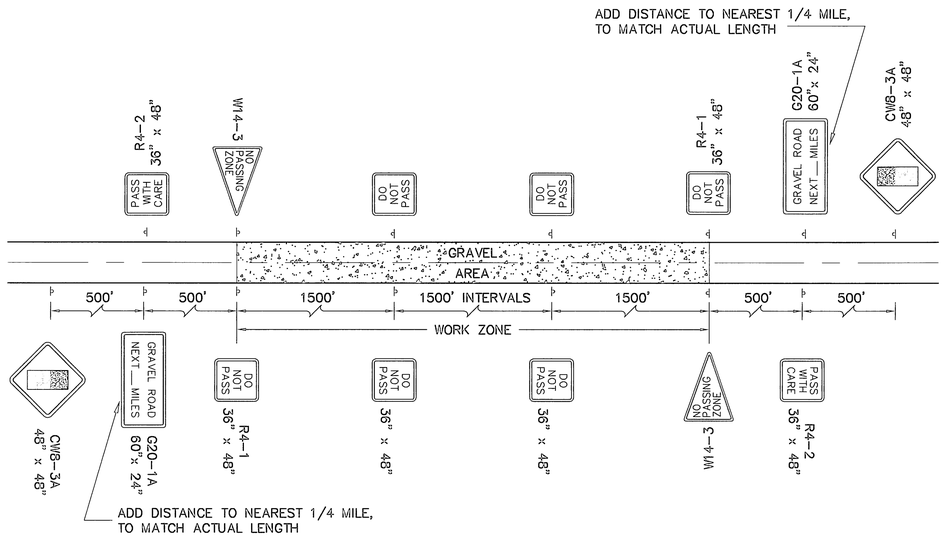
GLENN HIGHWAY
MP 109 TO MP 118

CULVERT THAW WIRE
SITE PLAN

REVISIONS			YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION					
			1996	ALASKA	IR-0A1-5(4)/56454	H-1	148



PERMANENT CONSTRUCTION SIGNING DETAIL



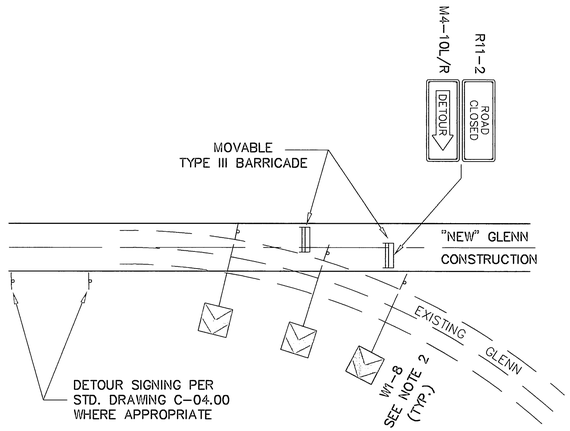
GRAVEL ROAD SIGNING PLAN

NOTES

1 THESE NOTES APPLY TO ALL TRAFFIC CONTROL PLAN SHEETS UNLESS OTHERWISE NOTED.

2 ACCESS TO SIDE ROADS AND DRIVEWAYS SHALL BE MAINTAINED AT ALL TIMES.

3 WARNING LIGHTS SHALL BE USED TO MARK CHANNELIZING DEVICES AT NIGHT AS NEEDED. TYPE 'A' FLASHING WARNING LIGHTS SHALL BE USED TO MARK TYPE III BARRICADES, TYPE II BARRICADES, A ROAD CLOSURE AND ADVANCE DETOUR SIGNING AT NIGHT. WHEN TYPE II BARRICADES ARE USED FOR CHANNELIZING TRAFFIC, TYPE 'C' STEADY BURN WARNING LIGHTS SHALL BE USED.



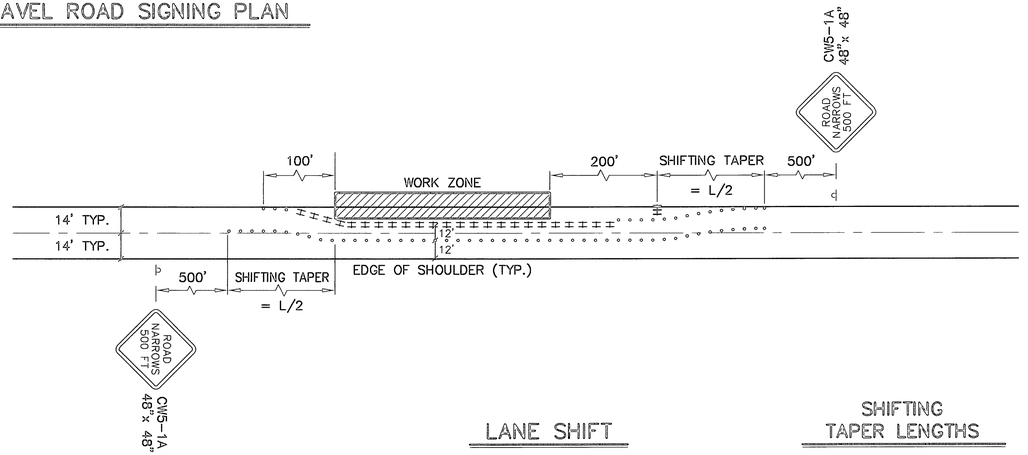
GENERIC SIGNING DETAIL FOR TRANSITION FROM NEW CONSTRUCTION TO EXISTING ROADWAY

TYPICAL @ STA'S 409 RT., 419 RT., 426 RT., 439 RT., 474 LT., 482 LT., 681 LT., 869 LT.

NOTES

1 LOCATE MOVABLE TYPE III BARRICADE TO DISCOURAGE PUBLIC ACCESS TO NEW CONSTRUCTION ALIGNMENT.

2 INSTALL CHEVRON SIGN W1-8 AT LOCATIONS WHERE THE ALIGNMENT CHANGE RESULTS IN SPEED ADVISORY OF 35 MPH OR LESS.



LANE SHIFT

SHIFTING TAPER LENGTHS

$L = S \times W$ FOR SPEEDS OF 45 MPH OR GREATER

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

LEGEND

- ◦ CONE OR CANDLE
- ▭ PORTABLE CONCRETE BARRIER
- ⋕ TYPE III BARRICADE
- ◁ TEMPORARY CRASH CUSHION
- ⋕ TYPE II BARRICADE
- ◁ CONSTRUCTION SIGN
- ⚑ FLAGGER

STATE OF ALASKA
49TH
Ted B. Trueblood
CE-4476
REGISTERED PROFESSIONAL ENGINEER
10/7/96

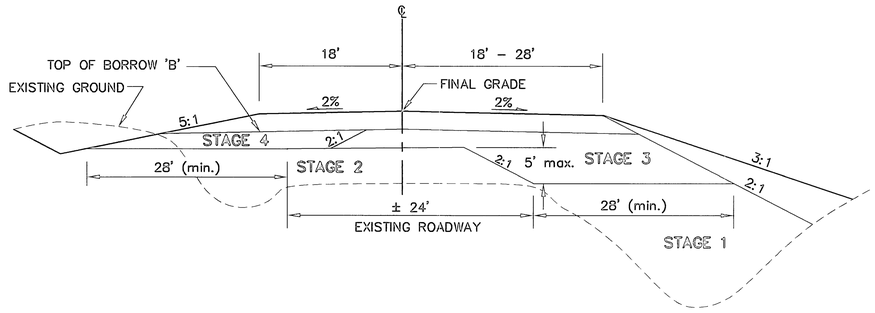
STATE OF ALASKA
49th
G.C. SCHNABERER
CE-1005
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

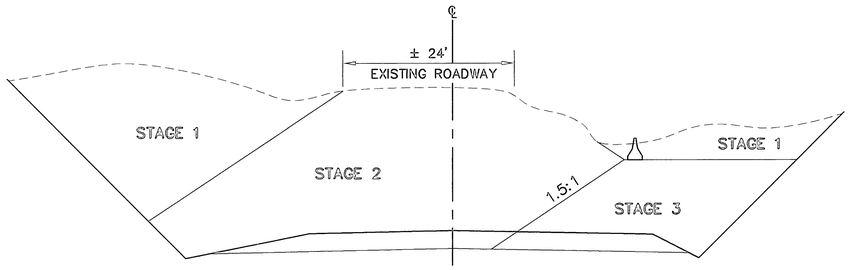
GLENN HIGHWAY
MP 109 TO MP 118

TRAFFIC CONTROL DETAILS
TRAFFIC CONTROL SIGNING

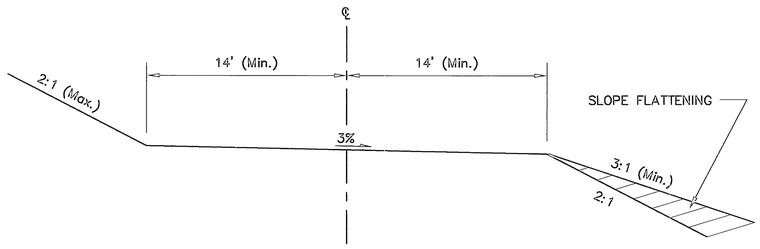
REVISIONS			YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION					
			1996	ALASKA	IR-0A1-5(4)/56454	H-2	148



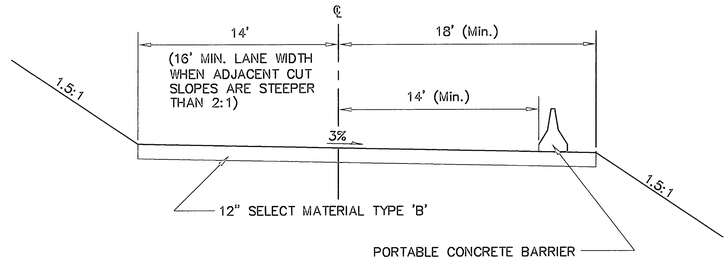
STAGING SEQUENCE DETAIL FILL TYPICAL SECTION



STAGING SEQUENCE DETAIL CUT TYPICAL SECTION



DETOUR TYPICAL SECTION



DETOUR TYPICAL SECTION

CONSTRUCTION STAGING NOTES (FILL)

1 MAINTAIN TRAFFIC ON THE EXISTING ROADWAY AND CONSTRUCT THE STAGE 1 EMBANKMENT.

2 UPON COMPLETION OF THE STAGE 1 EMBANKMENT, DETOUR TRAFFIC FROM THE EXISTING ROADWAY ON TO THE STAGE 1 EMBANKMENT AND CONSTRUCT THE STAGE 2 EMBANKMENT.

3 CONSTRUCT THE REMAINDER OF THE EMBANKMENT IN THE STAIRSTEP FASHION SHOWN IN THE STAGING SEQUENCE DETAIL, WHILE MAINTAINING TRAFFIC ON THE PREVIOUS STAGE OF WORK.

4 WHEN THE WIDTH OF THE EMBANKMENT ALLOWS THE WORK ZONE AND TWO-WAY TRAFFIC TO BE AT THE SAME ELEVATION, THE DETOUR AND WORK ZONE SHALL BE SEPARATED BY TYPE II BARRICADES ON 35 FOOT CENTERS.

CONSTRUCTION STAGING NOTES (CUT)

1 EXCAVATE THE STAGE 1 AREA ON EITHER THE LEFT OR RIGHT, AS REQUIRED, WHILE MAINTAINING TRAFFIC ON THE EXISTING ROADWAY. CONSTRUCT A DETOUR ON TOP OF THE STAGE 3 EXCAVATION.

2 DETOUR TRAFFIC ON THE STAGE 1 DETOUR AND EXCAVATE THE STAGE 2 AREA, CONSTRUCTING THE STAGE 2 DETOUR.

3 DETOUR TRAFFIC ON TO THE STAGE 2 DETOUR AND EXCAVATE THE REMAINING MATERIAL.

4 WHEN EXCAVATION ADJACENT TO THE EXISTING ROAD CREATES A SLOPE STEEPER THAN THE EXISTING UNPROTECTED SLOPE (PRIOR TO CONSTRUCTION) PLACE PORTABLE CONCRETE BARRIER ON THE EXISTING ROAD.

STATE OF ALASKA
49TH
Ted B. Trueblood
CE-4476
REGISTERED PROFESSIONAL ENGINEER
10/9/96

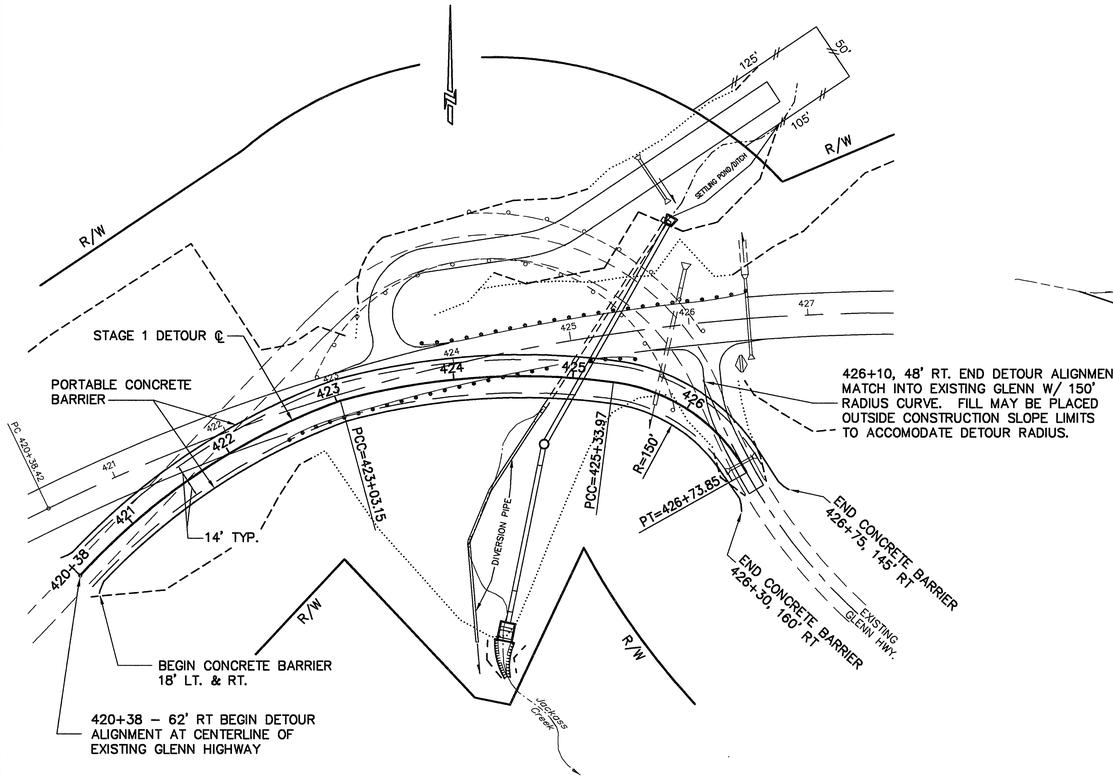
STATE OF ALASKA
49th
G.C. SCHWIDERER
CE-1006
REGISTERED PROFESSIONAL ENGINEER

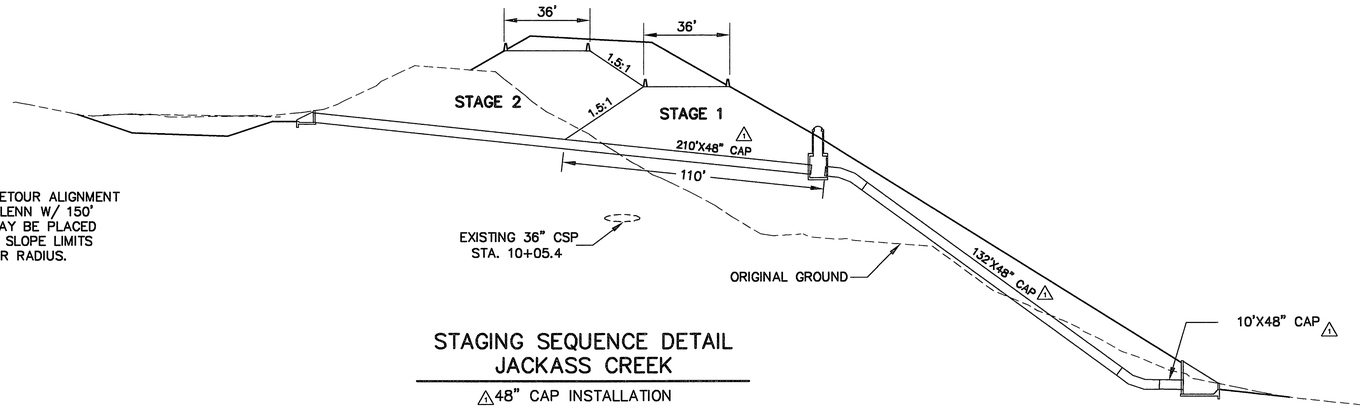
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

GLENN HIGHWAY
MP 109 TO MP 118

TRAFFIC CONTROL DETAILS
TYPICAL SECTIONS

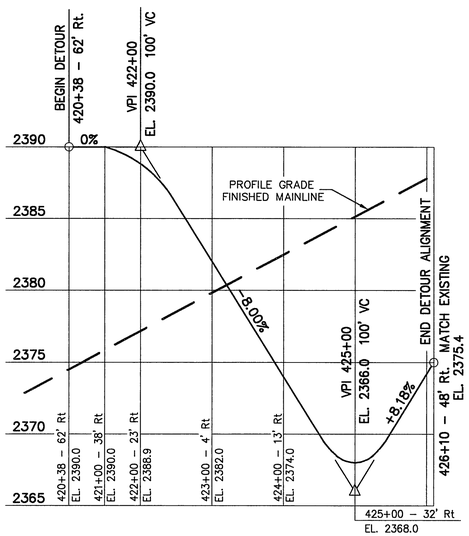
REVISIONS			YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION					
1	12/18/96	CHANGE BCPI CSP TO CAP	1996	ALASKA	IR-0A1-5(4)/56454	H-3	148
			ATTACHMENT NO. 6				
			ADDENDUM NO. 2				





STAGING SEQUENCE DETAIL
JACKASS CREEK

△48" CAP INSTALLATION



DETOUR ALIGNMENT PROFILE
STAGE 1 – JACKASS CREEK

CONSTRUCTION STAGING NOTES

(STA 410 TO STA 439)

△ 1 INSTALL THE DIVERSION PIPE EXTENSION AT JACKASS CREEK. BEGIN INSTALLATION OF THE 48" CAP AT JACKASS CREEK BY INSTALLING THE LOWER TWO SEGMENTS AND 110' OF THE UPPER SEGMENT. CONSTRUCT THE STAGE 1 EMBANKMENT AT THE CREEK FROM THE CUT AT STA 410 TO STA 423. MAINTAIN TRAFFIC ON THE EXISTING ROADWAY FROM STA 409 TO 420. FROM STA 420 TO STA 426 MAINTAIN TRAFFIC ON THE EXISTING ROAD WHILE CONSTRUCTING THE STAGE 1 DETOUR ROADWAY.

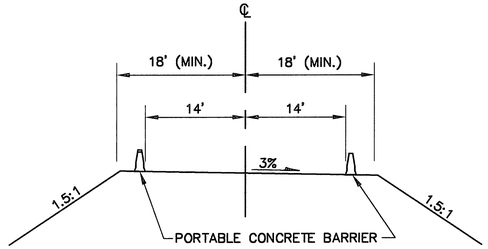
△ 2 UPON COMPLETION OF THE STAGE 1 EMBANKMENT FROM STA 420 TO STA 426, DETOUR TRAFFIC FROM THE EXISTING ROADWAY ON TO THE STAGE 1 EMBANKMENT. INSTALL THE REMAINING SECTION OF THE 48" CAP AND COMPLETE THE STAGE 2 EMBANKMENT. THE CUT FROM STA 426 TO STA 439 SHOULD ALSO BE PROGRESSED TO ALLOW FOR DETOURING OF TRAFFIC THROUGH THIS CUT AT THE COMPLETION OF STAGE 2 CONSTRUCTION. MAINTAIN TRAFFIC ON THE EXISTING ROADWAY DURING EXCAVATION OF THE CUT FROM STA 426 TO STA 439. TRAFFIC SHALL NOT REMAIN ON THE STAGE 1 DETOUR SURFACE FOR MORE THAN ONE WEEK.

3 AT COMPLETION OF THE STAGE 2 CONSTRUCTION, MOVE TRAFFIC ON TO THE STAGE 2 DETOUR ROADWAY AND COMPLETE THE REMAINING CONSTRUCTION IN THE STAIRSTEP FASHION SHOWN IN THE STAGING SEQUENCE DETAILS FOR CUTS OR FILLS. THE STAGE 2 DETOUR ROADWAY WILL BE ON THE NEW ALIGNMENT IN THE CUTS FROM STA 409 TO STA 423 AND FROM STA 426 TO 439 AND ON THE NEW ALIGNMENT ON THE FILL FROM STA 423 TO 426.

NOTES

1 DETOUR CENTERLINE OFFSET SHOWN IS FROM MAINLINE CENTERLINE.

2 DETOUR OFFSETS AND GRADES ARE APPROXIMATE AND ARE SUBJECT TO ADJUSTMENT BY THE ENGINEER.



DETOUR TYPICAL SECTION

STATE OF ALASKA
49TH
Ted B. Trueblood
CE-4476
12/19/96
REGISTERED PROFESSIONAL ENGINEER

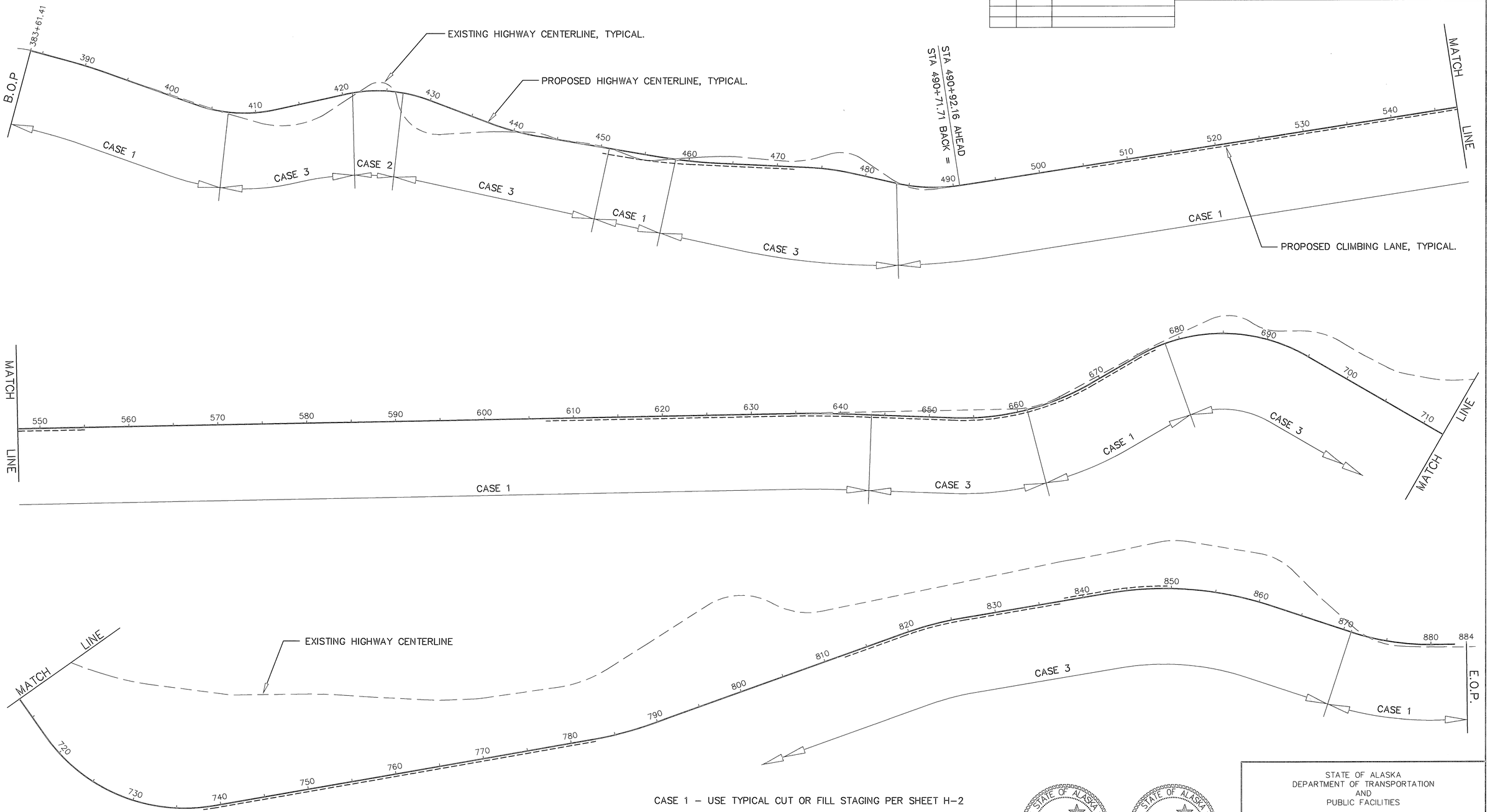
STATE OF ALASKA
49th
G.C. SCHWADERER
CE-1006
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

GLENN HIGHWAY
MP 109 TO MP 118

TRAFFIC CONTROL DETAILS
JACKASS CREEK SECTION
STA 410+00 TO STA 439+00

REVISIONS			YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION					
			1996	ALASKA	IR-0A1-5(4)/56454	H-4	148



CASE 1 – USE TYPICAL CUT OR FILL STAGING PER SHEET H-2

CASE 2 – USE SPECIAL DETOUR, SEE SHEET H-3

CASE 3 – CONSTRUCTION DOES NOT IMPACT THE EXISTING ROADWAY. USE APPROPRIATE SIGNAGE AT DETOUR ENDPOINTS. SEE DETAIL SHEET H-1

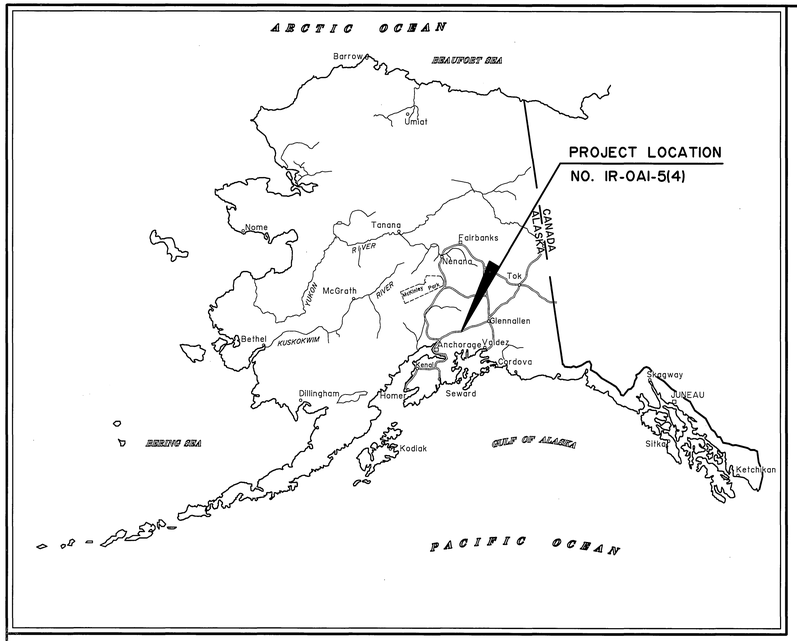
STATE OF ALASKA
49TH
Ted B. Trueblood
CE-4476
10/9/96
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
49th
G.C. SCHWABERER
CE-1006
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

GLENN HIGHWAY
MP 109 TO MP 118

TRAFFIC CONTROL APPLICATION



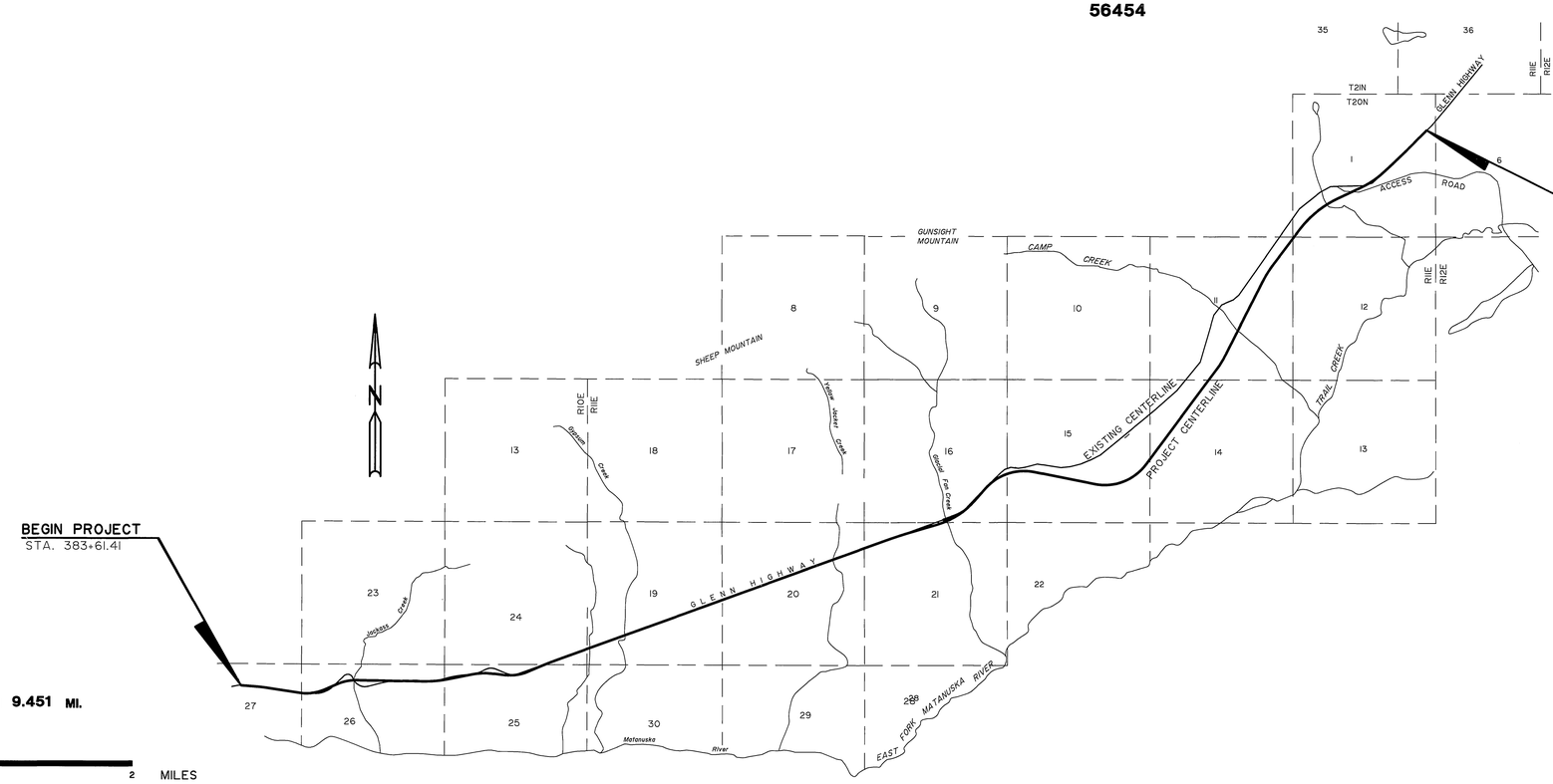
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES

RIGHT OF WAY MAP

ALASKA PROJECT

GLENN HIGHWAY
MILEPOST 109 TO 118
IR-0A1-5(4)

56454



PROJECT LENGTH 9.451 MI.

SCALE

0 1/2 1 2 MILES

PLAT APPROVAL

PLAT APPROVED BY MUNICIPAL PLATTING AUTHORITY
THIS _____ DAY OF _____ 19__

_____
AUTHORIZED OFFICIAL

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

_____
REGISTERED PROFESSIONAL LAND SURVEYOR

DEPARTMENT 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 LOCATIONS SURVEY FOR THIS PROJECT.

9/13/96 4015-S
DATE REGISTRATION NUMBER

James H. Shano
REGISTERED PROFESSIONAL LAND SURVEYOR

CONTRACTOR SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT I AM A PROFESSIONAL LAND SURVEYOR REGISTERED IN THE STATE OF ALASKA, AND THAT THE RIGHT-OF-WAY CENTERLINE CONTROL ESTABLISHED BY THE DEPARTMENT'S SURVEYOR AND INDICATED ON THESE RIGHT-OF-WAY PLANS AND ALL OTHER MONUMENTS AS REQUIRED BY ALASKA STATUTE 34.65, HAVE BEEN REFERENCED, MONUMENTED, AND RECORDED ACCORDING TO ALASKA STATUTE 34.65, STATE REGULATION II AAC 06.080, II AAC 06.090 BY ME OR UNDER MY SUPERVISION.

_____ _____
DATE REGISTRATION NUMBER

_____
REGISTERED PROFESSIONAL LAND SURVEYOR

DEPARTMENT OF
TRANSPORTATION & PUBLIC FACILITIES

APPROVED MAY 23 **, 19** 96
Date

Dan R Cole
DIRECTOR - DESIGN & CONSTRUCTION

	RECOVERED	TO BE SET THIS PROJECT
GOV'T SECTION CORNER	6 5 7 8 Sec. Cor. Fnd.	
GOV'T 1/4 SECTION CORNER	5 7 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

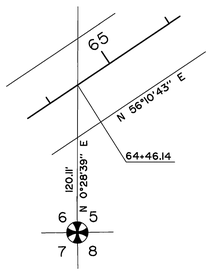
SECTION OR LOT LINES

1/4 SECTION LINE

1/16 SECTION LINE

CORPORATE or CITY LIMITS

SECTION LINE INTERSECTION



10

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+32.20 BK. = 169+01.69 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 / 126-25

RAILROAD MILEPOST — 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		

PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
IR-0AI-5(4)	1-2	148

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	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

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

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
CENTRAL REGION

PROJECT NO.
IR-0AI-5(4)
56454

STANDARD LEGEND SHEET
GLENN HIGHWAY MILE 109-118

DRAWN RK	DATE 8/15/94	SCALE —
CHECKED	DATE	SHEET 2 OF 23

PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
IR-0A1-5(4)	1-3	148

T20N R10 & 11E
S. M.
SEC.

SEC 16
SEC 19
SEC 20
SEC 21
SEC 22
SEC 23
SEC 24
SEC 25
SEC 26
SEC 27

SHEET 13
SHEET 12
SHEET 14
SHEET 11
PARCEL E-11
SHEET 14
PARCEL E-12
SHEET 8
PARCELS
7 AND 8
SHEET 7
PARCELS
6, 6A AND 7
SHEET 6
PARCELS
2, 6 & 6A
SHEET 5
PARCEL 1
SHEET 9
SHEET 10

H I G H W A Y
G L E N N
RIGHT-OF-WAY LINE
RIGHT-OF-WAY LINE
EXISTING CENTERLINE
PROJECT CENTERLINE

BEGINNING OF PROJECT
STA. 383+61.41

DATE	REVISIONS	BY
10-22-96	MSC. REVS.	RK
1/13/95	DELETED PCL. 10	RK

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES

RIGHT OF WAY MAP
ALASKA PROJECT NO.

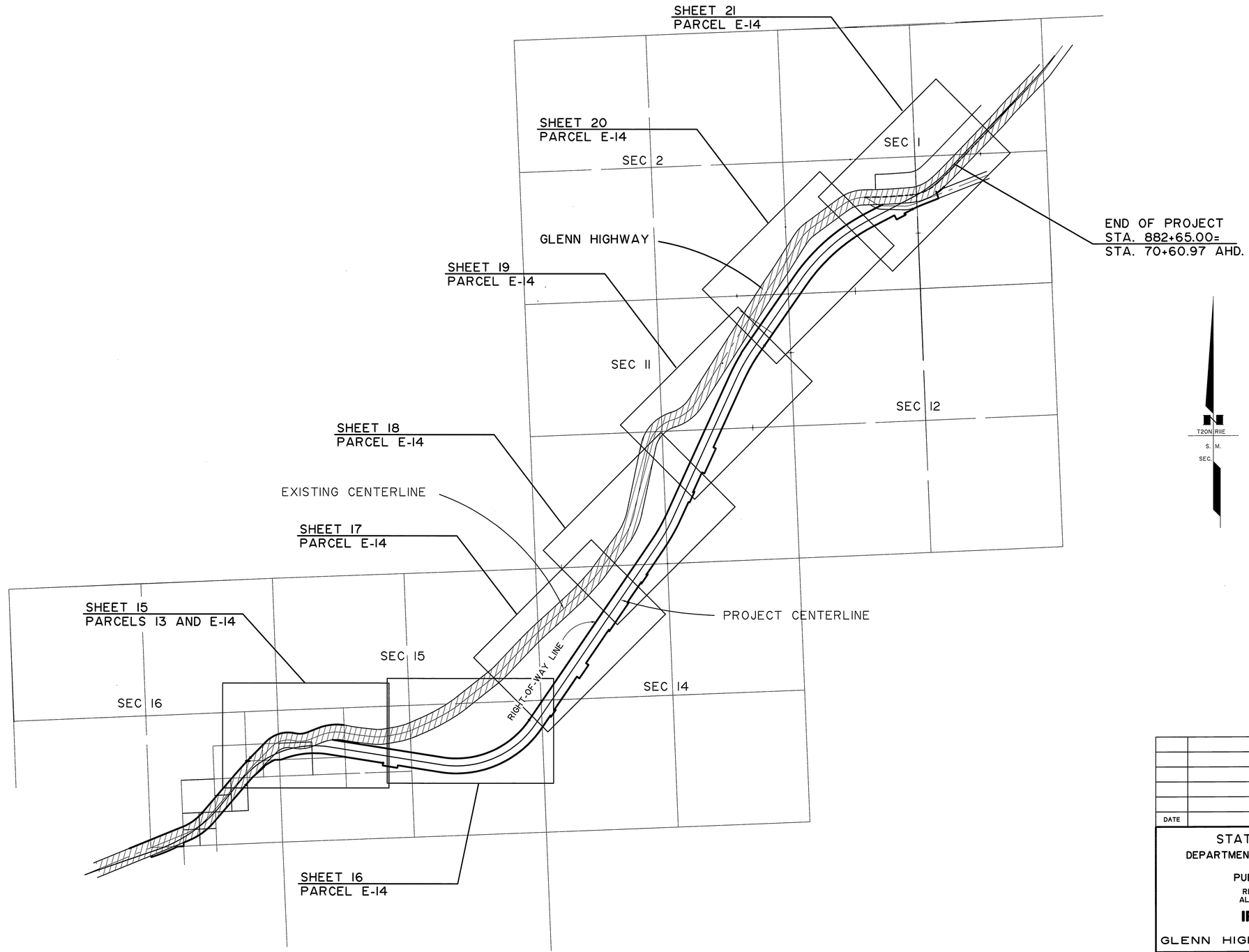
IR-0A1-5(4)

56454

GLENN HIGHWAY MILE 109-118

DRAWN	RK	DATE	8/16/94	SCALE	1"=1000'
CHECKED		DATE		SHEET	3 OF 23

PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
IR-0A1-5(4)	1-4	148



DATE	REVISIONS	BY

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES

RIGHT OF WAY MAP
ALASKA PROJECT NO.

IR-0A1-5(4)

56454

GLENN HIGHWAY MILE 109-118

DRAWN	RK	DATE 8/16/94	SCALE 1"=1000'
CHECKED		DATE	SHEET 4 OF 23

PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
IR-0A1-5(4)	1-5	148

STATE OF ALASKA 49TH — GREG A. FRAZIER LS-6912 — REGISTERED PROFESSIONAL LAND SURVEYOR
DEPARTMENT LOCATIONS SURVEYORS CERTIFICATE

STATE OF ALASKA 49TH — JAMES H. SHARP NO. 4015-S — REGISTERED PROFESSIONAL LAND SURVEYOR
DEPARTMENT RIGHT-OF-WAY SURVEYORS CERTIFICATE

CONTRACTOR SURVEYORS CERTIFICATE

T20N R10E
S. M.
SEC. 26827

WI/2 WI/2 NWI/4 NE 1/4 SECTION 27
LYING NORTH OF HIGHWAY

EI/2 WI/2 NWI/4 NE 1/4 SECTION 27

WI/2 EI/2 NWI/4 NE 1/4 SECTION 27
LYING NORTH OF HIGHWAY

EI/2 EI/2 NWI/4 NE 1/4 SECTION 27

33' SECTION LINE EASEMENT

FND. E 1/16 COR. 22 27

FND. SEC COR. 22 23 27 26

N 87°50'14" E 330.02'

PORTION GOVERNMENT LOT 1
SECTION 27
LYING NORTH OF CENTERLINE

WI/2 WI/2
GOV'T LOT 1
SEC 26
LYING NORTH OF HWY.

33' SECTION LINE EASEMENT

N 02°09'50" W 456.83'

S 02°11'05" E 895.70'

MATCH LINE STA 409+46.17 SHEET 6

1084.01'
N 84°53'47" W

344.64'
S 05°09'50" W

35.72'

276.46'
N 05°05'56" E

U.S.S. 3196

RIGHT-OF-WAY LINE

P.C. STA. 403+13.00

S 84°52'24" E 1035.74'

S 84°53'07" E 1120.12'

P.T. TO P.C. S 83°53'43" E 1032.66'

S 84°52'24" E 1265.86'

RIGHT-OF-WAY LINE

383+64.70
150.00' LT

385+18.22
150.00' LT

392+32.76
144.27' LT.

405+17.10
154.19' LT.

404+87.46
144.36' RT.

407+77.03
192.93' RT.

392+35.72
155.71' RT.

L=260.88'
R=866.20'

S 88°27'06" E 153.51'

L=95.76'

L=330.23'

R=11609.16'

L=299.02'

S 84°52'24" E 230.12'

BEGINNING OF PROJECT
STA. 383+61.41

EXISTING CENTERLINE

B.O.P. TO P.C. S 88°27'06" E 412.49'

385

390

395

400

405

410

Slope Limit

PROJECT CENTERLINE

EXISTING CENTERLINE

G L E N N

H I G H W A Y

L=170.52'
R=566.20'

S 88°27'06" E 153.51'

L=706.27'

R=11309.16'

P.C. STA. 387+73.90

P.T. STA. 392+80.14

MTA C25-24 LINE

MTA C25-24 LINE

PORTION OF WI/2 NWI/4 NEI/4 SECTION 27
LYING SOUTH OF RIGHT-OF-WAY

PORTION OF EI/2 NWI/4 NEI/4 SECTION 27
LYING SOUTH OF RIGHT-OF-WAY

PORTION GOVERNMENT LOT 1
SECTION 27
LYING SOUTH OF CENTERLINE

FND. NE 1/16 COR. SEC. 27

N 1/16 COR 27 26

SEE DETAIL "B"

SEE DETAIL "A"

PI
Δ = 32°00'43"
D = 3°30'00"
T = 469.59'
L = 914.63'
R = 1637.02'

408+40.34
100.00' LT.

35.64'

R=1637.02'
L=24.11'

R=5579.58'
L=84.35'

L=8.59'

R=5579.58'
L=209.63'

S 88°01'04" E 117.84'

L=3.63'
R=5579.58'

L=202.37'
R=5729.58'

S 88°01'04" E 128.77'

S 88°01'04" E 245.98'

R=5879.58'
L=322.67'

SECTION LINE

PI
Δ = 4°33'22"
D = 0°54'00"
T = 253.25'
L = 506.24'
R = 6,366.20'

DETAIL "A"
N.T.S.

DETAIL "B"
N.T.S.

PARCEL NO.	INTEREST TO BE ACQUIRED	OWNER	LARGER PARCEL	TAKE INCLUDING EXISTING EASEMENT	NET TAKE	REMAINDER	BK. PG. RECORDED
1	RIGHT OF WAY EASEMENT	THOMAS J. PIROG	7.987 AC±	0.047 AC±	0.047 AC±	7.987 AC±	840 932

PARCEL INFORMATION

DATE	REVISIONS	BY
9/4/96	REV. SLOPES. ADDED MSC. FND. MONS., DETAIL	rk
4/29/96	REV. AREA AND OWNER NAME PCL. 1.	rk
4/3/96	ADDED BK. & PG. HEADING. REV. SHEET TOTAL.	rk
2/27/96	REVISED AREA, REM., DIMS. PCL. 1	rk
1/10/95	REVISED SLOPE LIMITS	rk
8-31-94	REV. OWNER NAME ADDED CURVE DATA	rk

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES
RIGHT OF WAY MAP
ALASKA PROJECT NO.
IR-0A1-5(4)
56454
GLENN HIGHWAY MILE 109-118

DRAWN	RK	DATE	6/20/94	SCALE	1"=100'
CHECKED	JC	DATE		SHEET	5 OF 23

STATE OF ALASKA
49TH
GREG A. FRAZIER
LS-6912
REGISTERED PROFESSIONAL LAND SURVEYOR

DEPARTMENT LOCATIONS
SURVEYORS CERTIFICATE

STATE OF ALASKA
49TH
JAMES H. SHARP
NO. 4015-S
REGISTERED PROFESSIONAL LAND SURVEYOR

DEPARTMENT RIGHT-OF-WAY
SURVEYORS CERTIFICATE

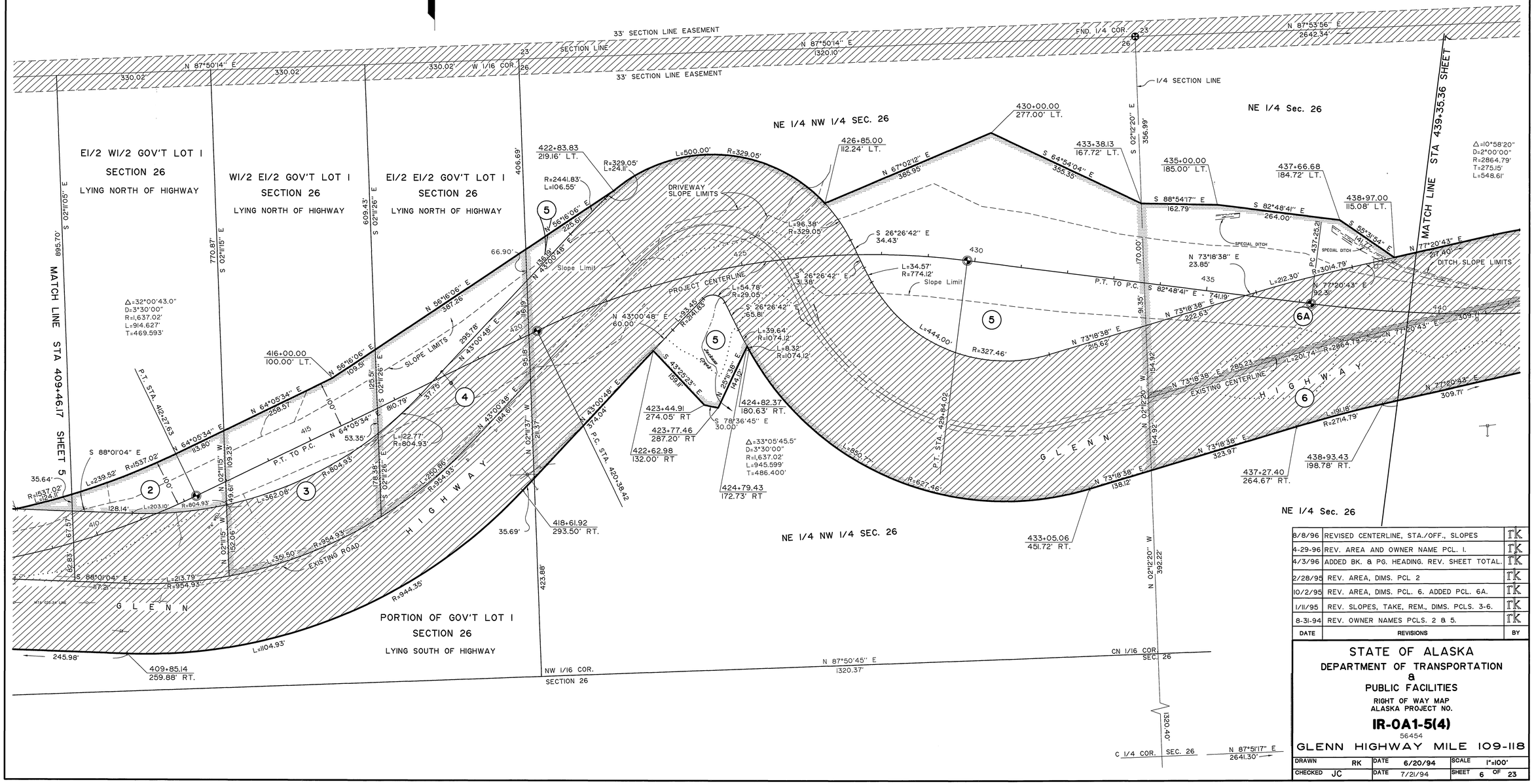
CONTRACTOR SURVEYORS
CERTIFICATE

T20N R10E
S. M.
SEC. 26

PARCEL INFORMATION

PARCEL NO.	INTEREST TO BE ACQUIRED	OWNER	LARGER PARCEL	TAKE INCLUDING EXISTING EASEMENT	NET TAKE	REMAINDER	RECORDED BK.	RECORDED PG.
2	RIGHT OF WAY EASEMENT	THOMAS J. PIROG	8.248 AC±	0.753 AC±	0.753 AC±	8.248 AC±	840	932
3	FEE	WILLIAM C. WAGNER	7.847 AC±	2.574 AC±	1.347 AC±	5.273 AC±	837	243
4	FEE	WILLIAM C. WAGNER	6.358 AC±	2.509 AC±	0.971 AC±	3.849 AC±	837	248
5	FEE	SANDRA K. MITCHELL	40.016 AC±	17.467 AC±	6.075 AC±	22.549 AC±	834	789
6	FEE	DONNA M. WILSON (SEE SHEET 7)	122.166 AC±	10.130 AC±	0.873 AC±	112.036 AC±	839	777
6A	FEE	CHRISTOPHER R. AND LINDA VEITH LOW (SEE SHEET 7)	37.932 AC±	11.194 AC±	1.951 AC±	26.738 AC±	840	926

PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
IR-0A1-5(4)	1-6	148



DATE	REVISIONS	BY
8/8/96	REVISED CENTERLINE, STA./OFF., SLOPES	RK
4-29-96	REV. AREA AND OWNER NAME PCL. 1.	RK
4/3/96	ADDED BK. & PG. HEADING. REV. SHEET TOTAL.	RK
2/28/95	REV. AREA, DIMS. PCL 2	RK
10/2/95	REV. AREA, DIMS. PCL. 6. ADDED PCL. 6A.	RK
1/11/95	REV. SLOPES, TAKE, REM., DIMS. PCLS. 3-6.	RK
8-31-94	REV. OWNER NAMES PCLS. 2 & 5.	RK

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES
RIGHT OF WAY MAP
ALASKA PROJECT NO.

IR-0A1-5(4)

56454

GLENN HIGHWAY MILE 109-118

DRAWN	RK	DATE	6/20/94	SCALE	1"=100'
CHECKED	JC	DATE	7/21/94	SHEET	6 OF 23

PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
IR-0A1-5(4)	1-7	148

STATE OF ALASKA 49TH — GREG A. FRAZIER LS-6932 — REGISTERED PROFESSIONAL LAND SURVEYOR
DEPARTMENT LOCATIONS SURVEYORS CERTIFICATE

STATE OF ALASKA 49TH — JAMES H. SHARP NO. 4065-S — REGISTERED PROFESSIONAL LAND SURVEYOR
DEPARTMENT RIGHT-OF-WAY SURVEYORS CERTIFICATE

CONTRACTOR SURVEYORS CERTIFICATE

T20N R10E
S. M.
SEC. 25&26

NE 1/4 Sec. 26

N 87°44'34" E 18.48'
FND. W.C. SEC. COR.
N 87°44'34" E 1320.92'
SEC. COR. 23 24 26 25
33' SECTION LINE EASEMENT
33' SECTION LINE EASEMENT
S 02°10'58" E 366.90'
SECTION LINE

MATCH LINE STA 439+35.36 SHEET 6

MATCH LINE STA 470+00.00 SHEET 8

NW1/4 NW1/4 SEC.25

△=10°58'20"
D=2°00'00"
R=2864.79'
T=275.15'
L=548.61'

441+18.79
168.41' LT.

444+53.25
161.30' LT.

444+43.16
163.47' LT.

S 81°40'51" E
10.32'

L=104.82'
R=422.96'

445+57.41
192.19' LT

RIGHT-OF-WAY LINE

447+87.16
160.60' LT.

L=505.56'

452+89.58
117.22' LT.

R=2059.86'

S 81°49'06" E
106.09'

453+93.37
95.23' LT.

L=187.54'
R=422.96'

455+79.36
97.62' LT.

△=06°59'10"
D=1°00'00"
R=5729.58'
L=698.62'
T=349.74'

N 72°46'38" E
454.34'

155.32'
S 02°10'58" E

460

N 72°46'38" E
104.67'

461+41.35
207.41' LT.

466+24.44
227.37' LT.

L=469.94'
R=3014.79'

N 81°42'30" E
428.60'

PT 463+50.56 BK
PT 463+56.84 AHD

Slope Limit

465

P.T. TO P.C. N 79°13'49" E 996.62'

N 81°42'30" E 428.60'

N 79°13'49" E
392.36'

151.33'

N 84°56'27" E
201.00'

N 74°39'23" E
501.60'

Slope Limit

DRIVEWAY SLOPE LIMITS

469+50.00
100.00'RT.

468+00.00
120.00' RT.

466+00.00
100.00' RT.

N 84°51'54" E
65.96'

FND. TRI STATION

461+00.00
145.62' RT.

S 02°10'58" E
29.87'

S 02°10'58" E
22.70'

N 72°46'38" E
151.11'

N 72°46'38" E
108.26'

S 84°51'54" W
104.69'

S 72°46'38" W
265.47'

459+01.36
138.02' RT.

456+49.08
194.17' RT.

453+31.17
198.25' RT.

452+46.15
180.24' RT.

447+96.15
215.00' RT.

442+40.63
117.92' RT.

441+78.41
125.71' RT.

△=10°58'20"
D=2°00'00"
R=2864.79'
T=275.15'
L=548.61'

441+18.79
168.41' LT.

S 81°40'51" E
10.32'

L=317.08'
R=866.20'

N 84°07'10" E
229.91'

Slope Limit

6A

G L E N N H I G H W A Y

PROJECT CENTERLINE

EXISTING CENTERLINE

P.T. 442+73.82

S 81°40'51" E
10.32'

R=716.20'

L=262.17'

445

L=42.00'
R=572.96'

S 84°07'10" W 229.91'

450

L=168.74'
R=1909.86'

P.T. TO P.C. N 86°12'59" E 1378.13'

S 81°49'06" E
106.09'

L=254.05'
R=572.96'

455

N 77°20'43" E
309.71'

440

309.71'

DITCH SLOPE LIMITS

6

S 81°40'51" E
10.32'

R=566.20'

L=179.17'
R=722.96'

565.32'

S 83°52'29" E

N 84°07'10" E
229.91'

L=431.93'
R=1759.86'

S 81°49'06" E
86.91'

L=320.55'
R=722.96'

N 81°47'56" E
451.34'

19.18'

N 77°20'43" E
309.71'

L=65.37'

L=141.89'

MTA C25-24 LINE

RIGHT-OF-WAY LINE

441+78.41
125.71' RT.

442+40.63
117.92" RT.

447+96.15
215.00' RT.

452+46.15
180.24" RT.

453+31.17
198.25' RT.

456+49.08
194.17' RT.

NE 1/4 Sec. 26

NW1/4 NW1/4 SEC.25

33' SECTION LINE EASEMENT

S 02°10'58" E 1319.15'

33' SECTION LINE EASEMENT

N 87°49'09" E
1322.05'

N 1/16 COR

26 25

176.23'

N 87°53'44" E
2644.41'

1143.15'

FND. 1/4 COR.

26 25

C 1/4 COR.
26

N 87°51'17" E
2641.30'

PARCEL NO.	INTEREST TO BE ACQUIRED	OWNER	LARGER PARCEL	TAKE INCLUDING EXISTING EASEMENT	NET TAKE	REMAINDER	BK. PG. RECORDED
		PARCEL INFORMATION					
7	RIGHT OF WAY EASEMENT	DAVID C. BRADEN (SEE SHEET 8)	40.053 AC±	0.912 AC±	0.912 AC±	40.053 AC±	840 56
6A	FEE	CHRISTOPHER R. AND LINDA VEITH LOW (SEE SHEET 6)	37.932 AC±	11.194 AC±	1.951 AC±	26.738 AC±	840 926
6	FEE	DONNA M. WILSON (SEE SHEET 6)	122.166 AC±	10.130 AC±	0.873 AC±	112.036 AC±	839 777

DATE	REVISIONS	BY
9/4/96	REV. ℄ , STA./OFF, SLOPES, ADDED MON.	TK
4-29-96	REVISED AREA PARCEL 7.	TK
4/3/96	ADDED BK. & PG. HEADING. REV. SHEET TOTAL.	TK
10/2/95	REV. AREA, DIMS. PCL. 6. ADDED PCL. 6A.	TK
1/11/94	REV. SLOPES TAKE REM. DIMS. PCL.6.	TK

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES
RIGHT OF WAY MAP
ALASKA PROJECT NO.
IR-0A1-5(4)
56454
GLENN HIGHWAY MILE 109-118

DRAWN	TK	DATE	6/20/94	SCALE	1"=100'
CHECKED	JC	DATE	7/21/94	SHEET	7 OF 23

PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
IR-0A1-5(4)	1-8	148

STATE OF ALASKA 49TH — GREG A. FRAZIER LS-6982 — REGISTERED PROFESSIONAL LAND SURVEYOR
DEPARTMENT LOCATIONS SURVEYORS CERTIFICATE

STATE OF ALASKA 49TH — JAMES N. SHARP NO. 4015-S — REGISTERED PROFESSIONAL LAND SURVEYOR
DEPARTMENT RIGHT-OF-WAY SURVEYORS CERTIFICATE

CONTRACTOR SURVEYORS CERTIFICATE

NWI/4 SEC.24
479+61.86
320.64' LT.
1/4 LINE
33' SECTION LINE EASEMENT
W.C. 1/4 COR.
N 87°47'11" E
MATCH LINE STA 497+93.12 SHEET 9
SECTION LINE
24
25
1/4 COR.
265.98'
332.3'
58.82'
328.55'
328.55'
24 E 1/16 COR.
160.74'
170.91'
W 1/16 COR.
N 87°44'34" E
243.99'
N 87°44'34" E 775.73'
N 87°44'34" E 301.20'
1320.92'
P.C. STA. 483+57.37
P.T. STA. 490+77.77
555.10'
349.36'
474+17.52
264.16' LT.
NWI/4 NWI/4 SEC.25
N 60°01'03" E
122.26'
113.73'
L=118.14'
R=559.26'
L=69.82'
R=559.26'
475+20.92
309.03' LT.
483+39.66
173.44' LT.
S 69°28'56" E
405.46'
△ =21°25'48"
D=3°00'00"
R=1,909.86'
L=714.33'
T=361.39'
L=79.59'
R=566.20'
487+84.64
129.68' LT.
N 67°46'31" E
111.99'
GLENN
HIGHWAY
EXISTING CENTERLINE
N 67°48'01" E - 14,349.26'
490
495
349.48'
NWI/4 NEI/4 NEI/4
SEC. 25
EI/2 EI/2 NWI/4 NEI/4
SEC. 25
470+52.63
208.84' LT.
R=995.92'
L=347.62'
L=29.41'
R=995.92'
L=342.80'
R=566.20'
Slope Limit
N 67°46'31" E
N 02°13'55" W
256.96'
DRIVEWAY SLOPE LIMITS
475
N 60°01'03" E
64.02'
L=228.51'
R=259.26'
S 69°28'56" E
113.24'
490
485
P.T. TO P.C. N89°13'49"E 503.92'
S 69°28'56" E
292.22'
S 02°16'01" E
222.87'
N 67°46'31" E
490
509.16'
WI/2 NEI/4 NWI/4 NEI/4
SEC. 25
N 60°01'03" E.
38.24'
L=31.19'
R=866.20'
L=184.50'
R=866.20'
L=430.49'
R=866.20'
488+26.06
167.41' RT.
PROJECT CENTERLINE
7
L=161.40'
R=1295.92'
32.92'
L=382.70'
R=2764.79'
Slope Limit
S 71°04'22" E
261.68'
N 73°31'28" E
270.08'
191.39'
L=309.20'
R=1296.52'
N 79°13'49" E
392.36'
428.60'
N 81°42'30" E
S79°13'49"W
11.11'
477+50.00
100.00' RT.
△ =10°00'00"
D=2°00'00"
R=2,864.79'
L=500.00'
T=250.64'
482+60.00
116.90' RT
480+00.00
190.00' RT.
MTA 635-24 LINE
PORTION OF
WI/2 SEI/4 NWI/4 NEI/4
SEC. 25
AY LIMITS
MATCH LINE STA 470+00.00 SHEET 7
NWI/4 NWI/4 SEC.25
P.C. STA. 473+53.46
P.T. STA. 478+53.46
N 02°13'55" W
849.34'
PORTION NWI/4 SEC. 25
1/4 LINE
986.54'
WI/2 WI/2 NEI/4 SEC. 25
N 87°49'09" E
1322.05'
NW 1/16 COR.
N 87°53'44" E
2644.41'

PARCEL NO.	INTEREST TO BE ACQUIRED	OWNER	LARGER PARCEL	TAKE INCLUDING EXISTING EASEMENT	NET TAKE	REMAINDER	BK. RECORDED	PG. RECORDED
		PARCEL INFORMATION						
8	FEE	DONALD BURT (SEE SHEET 7)	50.911 AC±	11.933 AC±	2.411 AC±	38.978 AC±	824	256
7	RIGHT OF WAY EASEMENT	DAVID C. BRADEN (SEE SHEET 7)	40.053 AC±	0.912 AC±	0.912 AC±	40.053 AC±	840	56

DATE	REVISIONS	BY
8/13/96	REVISED SLOPES	RK
4-29-96	REVISED AREA PARCEL 7.	RK
4/3/96	ADDED BK. & PG. HEADING. REV. SHEET TOTAL.	RK
9/19/95	ADDED TOPO	RK

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES
RIGHT OF WAY MAP
ALASKA PROJECT NO.
IR-0A1-5(4)
56454
GLENN HIGHWAY MILE 109-118

DRAWN	RK	DATE	6/20/94	SCALE	1"=100'
CHECKED	JC	DATE		SHEET	8 OF 23

T20N R10E
S. M.
SEC. 25

PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
IR-0A1-5(4)	1-9	148

PARCEL INFORMATION

PARCEL NO.	INTEREST TO BE ACQUIRED	OWNER	LARGER PARCEL	TAKE INCLUDING EXISTING EASEMENT	NET TAKE	REMAINDER	RECORDED BK. PG.
9	FEE	DELETED	31.283 AC±	7.893 AC±	0.316 AC±	23.390 AC±	

STATE OF ALASKA 49TH
GREG A. FRAZIER
LS-6912
REGISTERED PROFESSIONAL LAND SURVEYOR

DEPARTMENT LOCATIONS SURVEYORS CERTIFICATE

STATE OF ALASKA 49TH
JAMES H. SHARP
NO. 4015-S
REGISTERED PROFESSIONAL LAND SURVEYOR

DEPARTMENT RIGHT-OF-WAY SURVEYORS CERTIFICATE

CONTRACTOR SURVEYORS CERTIFICATE

T20N R10E
S. M.
SEC. 24,19,25,30

SE 1/4 Sec. 24

FND. 1/4 COR.
SW 1/16 COR. 19
S 1/16 COR. 24 19
1029.23'
S 87°46'05" W
317.56'
33' SECTION LINE EASEMENT
S 01°54'58" E 576.79'
S 02°19'49" E 2010.03'
GOVERNMENT LOT 4
SEC. 19
MATCH LINE STA 525+89.64 SHEET 10
N 67°46'31" E 1098.99'
520
525
S 02°19'20" E 1598.03'
FND. TRI STATION
FND. MON.
S 67°46'31" W 1101.45'
RIGHT-OF-WAY LINE
H I G H W A Y
G L E N N
N 67°46'31" E 2164.68'
510
P.T. TO P.C. N 67°48'01" E - 14,349.25'
Slope Limit
PROJECT CENTERLINE
EXISTING CENTERLINE
505
500
N 67°46'31" E 1229.91'
S 01°54'58" E 1609.63'
S 01°54'58" E 1559.36'
S 01°54'58" E 420.88'
S 02°19'49" E 798.17'
GOVERNMENT LOT 4
SEC. 19
33' SECTION LINE EASEMENT
W 1/16 COR. 19 30
N 87°48'24" E 1038.76'
FND. SEC. COR. 24 19 25 30
33' SECTION LINE EASEMENT
SECTION LINE
N 87°47'11" E 657.11'
496.35'
33' SECTION LINE EASEMENT
24 E 1/16 COR. 25
160.74'
170.81'
N 87°47'11" E 387.37'
328.55
MATCH LINE STA 497+93.12 SHEET 8
495
P.T. TO P.C. N 67°48'01" E - 14,349.25'
349.35'
349.46'
N 67°46'31" E
S 02°13'25" E 2650.87'
SECTION LINE
FND. 1/4 COR. 25 30
EI/2 EI/2 NWI/4 NEI/4
SEC. 25
NWI/4 NEI/4 NEI/4
SEC. 25
NEI/4 NEI/4 NEI/4
SEC. 25
WI/2 NEI/4 NWI/4 NEI/4
SEC. 25

DATE	REVISIONS	BY
9/4/96	REVISED SLOPES, ADDED MONUMENT	RK
4/3/96	ADDED BK. & PG. HEADING. REV. SHEET TOTAL.	RK
9/19/95	ADDED TOPO	RK
9/2/94	DELETED PARCEL 9	RK

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES
RIGHT OF WAY MAP
ALASKA PROJECT NO.
IR-0A1-5(4)
56454
GLENN HIGHWAY MILE 109-118

DRAWN	RK	DATE	6/20/94	SCALE	1"=100'
CHECKED	JC	DATE	7/21/94	SHEET	9 OF 23

PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
IR-0A1-5(4)	1-10	148

STATE OF ALASKA
49TH
GREG A. FRAZIER
LS-6912
REGISTERED PROFESSIONAL LAND SURVEYOR

DEPARTMENT LOCATIONS SURVEYORS CERTIFICATE

STATE OF ALASKA
49TH
JAMES H. SHARP
NO. 4015-S
REGISTERED PROFESSIONAL LAND SURVEYOR

DEPARTMENT RIGHT-OF-WAY SURVEYORS CERTIFICATE

CONTRACTOR SURVEYORS CERTIFICATE

T20N R1GE S.M. SEC. 19

E1/2 SW1/4 NE1/4 SW1/4 SEC. 19

W1/2 SE1/4 NE1/4 SW1/4 SEC. 19

E1/2 SE1/4 NE1/4 SW1/4 SEC. 19

S1/2 NW1/4 SE1/4 SEC. 19

W3/4 NE1/4 NW1/4 SE1/4 SEC. 19

TRACT IV SHEEP MOUNTAIN AIRPORT

SW 1/16 COR. 19

C-N-S 1/64 COR

CE 1/16 COR. 19

N 87°46'05" E 552.90'

S 02°19'49" E 201.03'

N 67°46'31" E 587.99'

113.90'

350.94'

350.94'

76.01'

380.61'

541+24.15
152.07' LT.

548+44.30
150.20' LT.

N 68°03'03" E 720.16'

N 67°48'11" E 328.56'

102.19'

175.44'

N 02°19'48" W 565.23'

SHEET 9

SHEET 11

STA. 525+89.64

STA. 553+96.75

MATCH LINE STA. 525+89.64

MATCH LINE STA. 553+96.75

S 02°19'49" E 161.66'

S 02°19'49" E 358.03'

CYPRESS CREEK

525 530 535 540 545 550 555

P.T. TO P.C. - N67°48'01"E - 14,349.25'

PROJECT CENTERLINE

EXISTING CENTERLINE

Slope Limit

N 87°46'05" E 444.16'

N 87°46'05" E 322.94'

N 67°46'31" E

161.66'

117.26'

34.71'

63.34'

174.78'

160.87'

S 67°46'31" W 1403.78'

40.12'

117.35'

CS 1/16 COR. 19

66.47'

N 68°03'03" E 720.09'

N 67°48'11" E 498.47'

541+23.52
147.93' RT.

548+43.60
151.27'RT

S 02°19'48" E 435.66'

798.17'

N 02°19'49" W

SE 1/4 SW 1/4 Sec. 19

W 1/16 COR. 19 30

S1/2 SE1/4 SEC. 19

S1/2 NW1/4 SE1/4 SEC. 19

N 87°46'00" E 1209.66'

SE 1/16 COR. 19

W 1/16 COR. 19 30

N 87°48'13" E 1320.00'

1/4 LINE 1278.94'

19 1/4 COR. 30

IO	FEE	DELETED					
PARCEL NO.	INTEREST TO BE ACQUIRED	OWNER	LARGER PARCEL	TAKE INCLUDING EXISTING EASEMENT	NET TAKE	REMAINDER	BK. PG. RECORDED

PARCEL INFORMATION

DATE	REVISIONS	BY
8/13/96	REVISED SLOPES	RK
4/3/96	ADDED BK. & PG. HEADING. REV. SHEET TOTAL.	RK
1/13/95	DELETED PCL. 10	RK

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES

RIGHT OF WAY MAP
ALASKA PROJECT NO.

IR-0A1-5(4)

56454

GLENN HIGHWAY MILE 109-118

DRAWN	RK	DATE	6/20/94	SCALE	1"=100'
CHECKED	JC	DATE	7/21/94	SHEET	10 OF 23

PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
IR-0A1-5(4)	I-II	148

PARCEL INFORMATION

PARCEL NO.	INTEREST TO BE ACQUIRED	OWNER	LARGER PARCEL	TAKE INCLUDING EXISTING EASEMENT	NET TAKE	REMAINDER	RECORDED BK. PG.
E-II	EASEMENT	STATE OF ALASKA	20.004 AC±	0.522 AC±	0.522 AC±	20.004 AC±	ADL NO. 226676

STATE OF ALASKA
49TH
GREG A. FRAZIER
LS-6912
REGISTERED PROFESSIONAL LAND SURVEYOR

DEPARTMENT LOCATIONS SURVEYORS CERTIFICATE

STATE OF ALASKA
49TH
JAMES H. SHARP
NO. 4015-S
REGISTERED PROFESSIONAL LAND SURVEYOR

DEPARTMENT RIGHT-OF-WAY SURVEYORS CERTIFICATE

CONTRACTOR SURVEYORS CERTIFICATE

T20N R11E
S. M.
SEC. 19 & 20

TRACT II
SHEEP MOUNTAIN AIRPORT

TRACT I
SHEEP MOUNTAIN AIRPORT

TRACT III
SHEEP MOUNTAIN AIRPORT

GOV'T LOT 4
SEC. 20

GOV'T LOT 4
SEC. 20

GOV. LOT 6 SEC. 20

W1/2 SW1/4 SEC. 20

NW1/4 NE1/4 SE1/4 SEC. 19
SHEEP MOUNTAIN AIRPORT
TRACT III

NE1/4 SE1/4
SEC. 19

50' SECTION LINE EASEMENT
SECTION LINE
50' SECTION LINE EASEMENT

1/16 LINE
S 02°23'59" E
157.91'
160.94'
74.68'

1/4 LINE
N 87°43'51" E 1320.00'

CE 1/16 COR. 19
FND. 1/4 COR. 20
CW 1/16 COR. 20
FND. MON.
FND. SEC. COR. 19 20 30 29

N 87°57'13" E 237.12'
N 87°57'13" E 431.38'
N 87°57'13" E 439.48'
N 87°48'11" E 252.14'
203.97'
216.77'
88.85'
158.05'
264.5'
235.57'

N 67°48'11" E - 1142.32'
N 67°48'11" E 1178.09'
N 67°48'11" E 657.45'
N 67°48'11" E
746.08'
701.67'
474.5'
805.46'
697.35'
443.53'
174.76'
160.87'
94.71'
163.47'
435.66'

N 02°19'48" W 565.23'
S 02°19'48" E
N 02°19'48" W 160.94'

MATCH LINE STA 553+96.75 SHEET 10
MATCH LINE STA 586+00.00 SHEET 12

562+75.00
213.67' LT.
562+75.00
148.67' LT.
N 22°11'49" W
65.00'
559+25.00
213.68' LT
559+25.00
148.68' LT.
S 22°11'49" E
65.00'
E-II
350.00'
S 67°48'11" W
350.00'
S 67°48'11" W

579.01'
570
565
560
580
585
575
Slope Limit
Slope Limit
PROJECT CENTERLINE
P.T. TO P.C. - N67°48'01"E - 14,349.25'
EXISTING CENTERLINE

DATE	REVISIONS	BY
8/13/96	REVISED SLOPES	RK
4/11/96	ADDED R.O.W. MONUMENTS.	RK
4/3/96	ADDED BK. & PG. HEADING. REV. SHEET TOTAL.	RK
9/19/95	ADDED TOPO	RK

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES

RIGHT OF WAY MAP
ALASKA PROJECT NO.

IR-0A1-5(4)

56454

GLENN HIGHWAY MILE 109-118

DRAWN	RK	DATE 6/20/94	SCALE 1"=100'
CHECKED	JC	DATE 7/21/94	SHEET II OF 23

PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
IR-0A1-5(4)	1-12	148

STATE OF ALASKA 49TH — GREG A. FRAZIER LS-6912 — REGISTERED PROFESSIONAL LAND SURVEYOR
DEPARTMENT LOCATIONS SURVEYORS CERTIFICATE

STATE OF ALASKA 49TH — JAMES H. SHARP NO. 4015-S — REGISTERED PROFESSIONAL LAND SURVEYOR
DEPARTMENT RIGHT-OF-WAY SURVEYORS CERTIFICATE

CONTRACTOR SURVEYORS CERTIFICATE

U.S. SURVEY NO. 5456

GOVERNMENT LOT 2
SEC. 20

T20N R1E
S. M.
SEC. 20

SHEEP MOUNTAIN ESTATES
LOT 2
LOT 1
(U.S. SURVEY NO. 2792)

LOT 3

GOV. LOT 1
SEC. 20

N 22°12'46" W

DETIL 'B'
N.T.S

N 67°45'19" E 0.06'
N 67°48'36" E 1373.19'
610+51.73
150.19' LT.
S 22°12'46" E 50.30'

MATCH LINE STA. 618+00.00 SHEET 13

FND. MON.

FND. MONS.
610+51.73
150.19' LT.

610+51.67
150.19' LT.

610+51.69
99.88' LT.

50.30'

N 67°48'36" E 1373.19'

615'

882.67'

154.07'

286.86'

610'

N 67°48'36" E
300.00'

GOV LOT 5
SEC. 20

LOT 1

RIGHT-OF-WAY LINE

SHEEP MOUNTAIN LODGE

N 67°41'02" E 864.12'

605'

U.S. SURVEY NO. 2792A

P.T. TO P.C. N67°48'01"E - 14,349.25'

HIGHWAY

N 67°48'36" E
169.59'

60'

SHEEP TRAIL

N 67°45'19" E
130.41'

610+51.82
149.81' RT.

LOT 8

SECTION I

GOV. LOT 4
SEC. 20

597+30.73
149.15' LT.

597+30.68
97.20' LT.

170.00'

S 22°08'57" E

600'

U.S. SURVEY NO. 3084A

N 67°45'19" E 298.85'

60'

LOT 8

SHEEP MOUNTAIN ESTATES
LOT 1

LAMB LANE

589+45.82
148.54' LT

N 67°45'19" E 784.92'

Slope Limit

595'

GLENN

PROJECT CENTERLINE

N 67°48'11" E 697.35'

990'

P.T. TO P.C. N67°48'01"E - 14,349.25'

Slope Limit

N 67°45'19" E 1317.70'

(U.S. SURVEY NO. 3084)

LOT 2

LOT 7

SECTION II

MATCH LINE STA. 586+00.00

SHEET II

N 67°48'11" E
805.46'

SEE DETAIL

U.S. SURVEY NO. 3084

LOT 3

LOT 6

GOV. LOT 4
SEC. 20

589+45.82
151.46' RT

N 67°45'19" E 0.08'

N 67°48'11" E
805.46'

N 67°45'19" E
1317.70'

DETAIL
N.T.S.

DATE	REVISIONS	BY
8/13/96	REVISED SLOPES	rk
4/3/96	REV. SHEET TOTAL	rk
9/19/95	ADDED TOPO	RK

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES
RIGHT OF WAY MAP
ALASKA PROJECT NO.

IR-0A1-5(4)

56454

GLENN HIGHWAY MILE 109-118

DRAWN	RK	DATE	6/20/94	SCALE	1"=100'
CHECKED	JC	DATE	7/22/94	SHEET	12 OF 23

PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
IR-0A1-5(4)	1-13	148

STATE OF ALASKA 49TH
GREG A. FRAZIER
LS-6912
REGISTERED PROFESSIONAL LAND SURVEYOR

DEPARTMENT LOCATIONS SURVEYORS CERTIFICATE

STATE OF ALASKA 49TH
JAMES H. SHARP
NO. 4015-S
REGISTERED PROFESSIONAL LAND SURVEYOR

DEPARTMENT RIGHT-OF-WAY SURVEYORS CERTIFICATE

CONTRACTOR SURVEYORS CERTIFICATE

T20N R11E
S. M.
SEC. 20 & 21

50' SECTION LINE EASEMENT
33' SECTION LINE EASEMENT
SECTION LINE
17 16 20 21
W 1/16 COR. 16 21
NI/2 NEI/4 NWI/4
NEI/4 NWI/4
SEC. 21

NWI/4 NWI/4
SEC. 21

GOV. LOT 1
SEC. 20

RIGHT-OF-WAY LINE
1406.76'
N 67°48'36" E
459.61'
244.19'
Slope Limit
635
640
645
EXISTING CENTERLINE
PROJECT CENTERLINE
P.T. TO P.C. N 71°01'10" E 1,193.30'
703.61'
PT STA 640+85.24
PC STA 634+41.41
630
P.T. TO P.C. N67°48'01"E 14,349.25
625
1406.39'
RIGHT-OF-WAY LINE
N 67°48'36" E
159.16'
159.25'
P.O.T. STATION
623+71.56
MATCH LINE STA 618+00.00 SHEET 12
1373.19'
Slope Limit
620
FND. MON.
Wire Basket Cap
615
582.67'
154.07'
N 67°48'36" E
300.00'
SHEEP TRAIL
LOT 1
GOV LOT 5
SEC. 20
201.37'
S 02°36'34" E
794.26'
1314.04'
FND. 1/4 COR.
20 21
N 1/16 COR.
NW 1/16 COR.
21

PORTION OF
WI/2 NEI/4 NWI/4 SEC.21

Δ = 3°13'09"
D=0°30'00"
R=11,459.16'
L=643.83'
T=322.00'

MATCH LINE STA 644+68.83 SHEET 14

DATE	REVISIONS	BY
8/13/96	REVISED SLOPES	rk
4/3/96	REV. SHEET TOTAL	rk
9/19/95	ADDED TOPO	RK

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES
RIGHT OF WAY MAP
ALASKA PROJECT NO.

IR-0A1-5(4)

56454

GLENN HIGHWAY MILE 109-118

DRAWN	RK	DATE 6/20/94	SCALE 1"=100'
CHECKED	JC	DATE 7/22/94	SHEET

PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
IR-0A1-5(4) SEC. 16	1-14	148

STATE OF ALASKA 49TH GREG A. FRAZIER LS-6912 REGISTERED PROFESSIONAL LAND SURVEYOR

DEPARTMENT LOCATIONS SURVEYORS CERTIFICATE

STATE OF ALASKA 49TH JAMES H. SHARP NO. 4015-S REGISTERED PROFESSIONAL LAND SURVEYOR

DEPARTMENT RIGHT-OF-WAY SURVEYORS CERTIFICATE

CONTRACTOR SURVEYORS CERTIFICATE

T20N R11E
S. M.
SEC. 16 & 21

CS 1/16 COR. 16

1/4 LINE

N 02°09'23" W 1163.69'

MATCH LINE STA 644+68.83 SHEET 13

PART OF E1/2 NW1/4 SEC. 21

N 67°48'36" E 699.65'

PROJECT CENTERLINE

EXISTING CENTERLINE

P.T. TO P.C. N 71°01'10" E

645

N 71°01'10" E 193.30

550

N 67°48'36" E 244.20

NI/2 NWI/4 NEI/4 NEI/4 NWI/4 SEC. 21

NI/2 NEI/4 NEI/4 NEI/4 NWI/4 SEC. 21

33' SEC. LINE ESM'T

1/4 COR. 16 21

33' SEC. LINE ESM'T

N 67°48'36" E 461.46'

Slope Limit

651+38.17 73.42' RT

651+30.30 100.00' RT.

86.72'

27.72'

148.28'

334.74'

N 67°48'36" E R=2964.79' L=296.17'

E-12

656+86.38 100.00' RT.

657+92.64 153.63' RT

658+25.43 87.77' RT.

WI/2 NWI/4 SEI/4 SEC. 21

50' SEC. LINE ESM'T

N 87°35'32" E 123.24'

147.74'

180.14'

147.74'

82.73'

655

N 87°35'32" E 1320.39'

SECTION LINE

FND. SEC. COR. 16 15 21 22

E 1/16 COR. 16 21

33' SEC. LINE ESM'T 330.10'

330.10'

659+31.17 104.67' RT

N 67°48'36" E 110.59'

N 48°

S 02°10'04" E 24.19'

FND. TRI STATION

FND.MON

FND.MON

FND.MON

274.09'

P.C. STA. 652+76.54

Slope Limit

G L E N N H I G H W A Y

△ =32°06'13"
D=2°00'00"
R=2,864.79'
L=1,605.17'
T=824.27'

SEE DETAIL 'A'

665+15.30 127.42' RT.

660

Slope Limit

L=612.86' R=1295.92'

L=470.98' R=995.92'

Slope Limit

1/16 LINE

665

N 40°42'51" E 1071.87'

664+84.34 171.00' LT

PORTION OF SEI/4 SEC. 16

PORTION OF SEI/4 SEC. 16

P.T. STA. 668+83.83

P.T. TO P.C. N 40°42'51" E

670

N 39°54'07" E 601.59'

916.41'

675+77.86 134.27' RT.

R=5579.58' L=2.36'

R=5579.58' L=126.81'

675+76.58 MATCH LINE STA 675+76.58 SHEET 15

STATE MATERIALS SITE M.S. 42-3-313-1

SEE DETAIL

NEI/4 SEI/4 SEI/4 SEC.16

R=5579.58' L=2.36'

L=249.06'

677+16.50 128.86' RT

N 87°35'52" E 223.29'

106.68'

R=5579.58' L=126.81'

DETAIL N.T.S.

659+86.12 190.42' LT

L=470.98'

R=995.92'

N 67°48'36" E 702.63'

1.27'

DETAIL 'A' N.T.S.

PORTION OF SEI/4 SEC. 16

8/13/96	REVISED SLOPES	rk
4/11/96	ADDED R.O.W. MONUMENTS	rk
4/3/96	ADDED BK. & PG. HEADING. REV. SHEET TOTAL.	rk
9/19/95	ADDED TOPO	RK
DATE	REVISIONS	BY

PARCEL NO.	INTEREST TO BE ACQUIRED	OWNER	LARGER PARCEL	TAKE INCLUDING EXISTING EASEMENT	NET TAKE	REMAINDER	BK. PG. RECORDED
E-12	EASEMENT	STATE OF ALASKA	LARGE	0.334 AC±	0.334 AC±	LARGE	ADL NO. 226676

PARCEL INFORMATION

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
RIGHT OF WAY MAP
ALASKA PROJECT NO.

IR-0A1-5(4)

56454

GLENN HIGHWAY MILE 109-118

DRAWN	RK	DATE	6/20/94	SCALE	1"=100'
CHECKED	JC	DATE	7/22/94	SHEET	14 OF 23

PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
IR-0A1-5(4)	1-15	148

STATE OF ALASKA 49TH — GREG A. FRAZIER LS-6912 — REGISTERED PROFESSIONAL LAND SURVEYOR
DEPARTMENT LOCATIONS SURVEYORS CERTIFICATE

STATE OF ALASKA 49TH — JAMES H. SHARP NO. 4015-S — REGISTERED PROFESSIONAL LAND SURVEYOR
DEPARTMENT RIGHT-OF-WAY SURVEYORS CERTIFICATE

CONTRACTOR SURVEYORS CERTIFICATE

T20N R11E S. M. SEC. 15 & 16

1/4 LINE — N 87°47'42" E 1319.89' — FND. 1/4 COR. 16/15 — CW 1/16 COR. SEC. 15

SECTION LINE 4756.54'

PORTION OF NW1/4 SW1/4 SEC. 15

PORTION OF NE1/4 SW1/4 SEC. 15

N1/2 NE1/4 SE1/4 SEC. 16

N1/2 SE1/4 NE1/4 SE1/4 SEC. 16

RIGHT-OF-WAY LINE

G L E N N H I G H W A Y

EXISTING CENTERLINE

683+21.09 / 301.73' LT — L=639.09' — R=627.46'

688+53.23 / 282.27' LT — S 77°02'41" E 8.79' — 688+60.29 / 278.85' LT — L=223.31' — R=370.87' — 690+52.54 / 268.64' LT — N 68°27'25" E 241.52' — 692+47.32 / 352.93' LT — L=582.64' — R=1031.47'

S 79°10'44" E 73.87' — L=202.90' — R=2714.79' — S 83°27'40" E 282.37' — R=668.51' — L=194.38'

R=731.47' — L=226.65' — S 79°10'44" E 73.87' — L=225.32' — R=3014.79' — S 83°27'40" E 282.37' — R=968.51' — L=281.61'

695+26.95 / 150.00' LT — L=186.54' — N 68°27'25" E 198.27' — S 80°59'31" E 1594.08'

P.T. TO P.C. S 80°59'31" E 2,272.68'

PROJECT CENTERLINE — S 80°59'31" E 1211.63'

679+36.66 / 196.05' LT — 678+51.15 / 184.44' LT — 678+42.49 / 191.83' LT — 678+35.90 / 182.66' LT — 675+73.15 / 165.70' LT

POND — N 44°35'53" E 446.35' — N 44°35'53" E 220.29' — N 87°35'57" E 331.05' — N 87°35'57" E 107.71' — N 87°35'57" E 62.11' — N 87°35'57" E 39.57' — N 87°35'52" E 553.26'

L=61.53' — L=272.00' — R=327.46' — L=403.94' — R=670.87' — L=955.85' — R=1759.86'

L=6.93' — L=94.99' — L=288.60' — R=5579.58' — L=283.20' — R=1809.86' — L=249.06' — R=5579.58' — L=2.36' — L=126.81' — R=5579.58'

680+50.00 / 100.00' RT. — S 34°08'35" E 15.00' — 680+50.00 / 115.00' RT. — 683+17.19 / 100.00' RT.

△=60°05'32" D=3°00'00" R=1,909.86' L=2,003.07' T=1,104.71'

684+51.04 / 150.00' RT.

675+77.86 / 134.27' RT. — 677+16.50 / 128.86' RT

P.I. STA. 694+88.37

E-14 PORTION OF SW1/4 SEC. 15

E-14 PROJECT CENTERLINE

RIGHT-OF-WAY LINE

PORTION OF SW1/4 SEC. 15

PORTION OF NW1/4 SW1/4 SEC. 15

PORTION OF SW1/4 SEC. 15

SI/2 SW1/4 NW1/4 SW1/4 SEC. 15

SI/2 SE1/4 NE1/4 SE1/4 SEC. 16

NEI/4 SEI/4 SEI/4 SEC.16

Slope Limit — Slope Limit

MATCH LINE STA 675+76.58 SHEET 14 — SEE DETAIL

MATCH LINE STA 706+00.00 SHEET 16

SW 1/16 COR. 15 — S 1/16 COR. 16/15 — FND. SEC. COR. 16/15/21/22

DETAIL N.T.S.

PARCEL NO.	INTEREST TO BE ACQUIRED	OWNER	LARGER PARCEL	TAKE INCLUDING EXISTING EASEMENT	NET TAKE	REMAINDER	BK. PG. RECORDED	ADL NO. 226676
E-14	EASEMENT	STATE OF ALASKA (SEE SHEET 16)	LARGE	129.813 AC±	129.813 AC±	LARGE	817 748	
13	FEE	WINTHROP FISH	4.996 AC±	2.350AC±	0.262 AC±	2.646 AC±		

PARCEL INFORMATION

DATE	REVISIONS	BY
8/13/96	REVISED SLOPES	rk
4/11/96	ADDED R.O.W. MONS, REV. AREA PCL. E-14.	rk
4/3/96	ADDED BK. & PG. HEADING. REV. SHEET TOTAL.	rk
9/19/95	ADDED TOPO	RK
1/11/94	REV. DIMS. AREAS PCLS. 13 AND E-14.	rk
8-30-94	CHANGED TAKE AREA PARCEL E-14	rk

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES

RIGHT OF WAY MAP
ALASKA PROJECT NO.

IR-0A1-5(4)

56454

GLENN HIGHWAY MILE 109-118

DRAWN	RK	DATE	6/20/94	SCALE	1"=100'
CHECKED		DATE		SHEET	15 OF 23

PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
IR-0A1-5(4)	1-16	148

STATE OF ALASKA 49TH — GREG A. FRAZIER LS-6912 — REGISTERED PROFESSIONAL LAND SURVEYOR
DEPARTMENT LOCATIONS SURVEYORS CERTIFICATE

STATE OF ALASKA 49TH — JAMES H. SHARP NO. 4015-S — REGISTERED PROFESSIONAL LAND SURVEYOR
DEPARTMENT RIGHT-OF-WAY SURVEYORS CERTIFICATE

CONTRACTOR SURVEYORS CERTIFICATE

T20N R11E S. M. SEC. 15

C 1/4 COR. 15

755.49'

1/4 LINE

N 02°15'54" W 346.86'

L=0.98' R=1282.39'

SEE DETAIL

N 66°37'03" E 237.39'

L=241.98' R=2714.79' N 61°30'38" E 135.69'

L=252.26' R=2714.79' N 51°37'32" E 811.34'

528.17'

636.87' N 51°37'32" E

FND. MON

1/4 LINE N 87°47'42" E 1357.21'

FND. 1/4 COR.

1774.47'

R=3014.79' L=820.13'

L=295.84' R=1282.39'

317.09'

G L E N N H I G H W A Y

EXISTING CENTERLINE

N 66°37'03" E 237.39' L=268.72' R=3014.79' N 61°30'38" E 135.69'

L=115.33' R=1582.39'

L=250.94' R=1582.39'

SEI/4 SEC. 15

Δ=64°41'12"
D=3°00'00"
R=1,909.86'
L=2,156.23'
T=1,209.39'

MATCH LINE STA 739+17.27 P.T. N 34°19'16" E 429.68'

STA 739+17.27

SHEET 17

L=986.88' R=1759.86'

735 740

SEC. 15 SEC. 14

60' SECTION LINE EASEMENT

277.03' N 02°15'54" W

MATCH LINE STA 706+00.00 SHEET 15

S 80°59'31" E 1594.08'

Slope Limit

710

30' 22

N 80°59'31" W 1211.63'

707+00.00 150.00' RT.

N 09°00'29" E 125.00'

S 80°59'31" E 224.25'

N 09°00'29" E 125.00'

S 80°59'31" E 25.75'

5.10'

709+50.00 275.00' RT.

707+00.00 275.00' RT.

EI/2 SWI/4 SEC. 15

152.95'

152.95'

72.78'

CS 1/16 COR. 15

S 80°59'31" E 230.83'

709+50.00 150.00' RT.

S 80°59'31" E 580.22'

PC STA. 717+61.04

S 80°59'31" E 640.02'

P.T. TO P.C. S80°59'31"E - 2,272.69'

PROJECT CENTERLINE

715 720 725 730

150' 50'

E-14

E-14

R=2059.86' L=2325.68'

SEI/4 SEC. 15

E-14	EASEMENT	STATE OF ALASKA (SEE SHEET 17)	LARGE	129.813 AC±	129.813 AC±	LARGE	ADL NO. 226676
PARCEL NO.	INTEREST TO BE ACQUIRED	OWNER	LARGER PARCEL	TAKE INCLUDING EXISTING EASEMENT	NET TAKE	REMAINDER	BK. PG. RECORDED

PARCEL INFORMATION

DATE	REVISIONS	BY
8/13/96	REVISED SLOPES	RK
4/11/96	ADDED R.O.W. MONS. REV. AREAS PCL E-14	RK
4/3/96	ADDED BK. & PG. HEADING. REV. SHEET TOTAL.	RK
1/11/95	CHANGED TAKE AREA PARCEL E-14	RK
8-30-94	CHANGED TAKE AREA PARCEL E-14	RK

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
RIGHT OF WAY MAP
ALASKA PROJECT NO.

IR-0A1-5(4)

56454

GLENN HIGHWAY MILE 109-118

DRAWN	RK	DATE 6/20/94	SCALE 1"=100'
CHECKED	JC	DATE 7/25/94	SHEET 16 OF 23

PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
IR-0A1-5(4)	1-17	148

STATE OF ALASKA 49TH — GREG A. FRAZIER LS-6912 — REGISTERED PROFESSIONAL LAND SURVEYOR
DEPARTMENT LOCATIONS SURVEYORS CERTIFICATE

STATE OF ALASKA 49TH — JAMES H. SHARP NO. 4015-S — REGISTERED PROFESSIONAL LAND SURVEYOR
DEPARTMENT RIGHT-OF-WAY SURVEYORS CERTIFICATE

CONTRACTOR SURVEYORS CERTIFICATE

T20N R1E S.M. SEC 14 & 15

FND. 1/16 SEC. COR.

105.97'

N 87°43'55" E 1158.54'

N 51°37'32" E 811.34'

L=183.37' R=1282.39'

N 43°25'58" E 702.47'

L=469.99' R=5879.58'

N 48°00'46" E 294.42'

N 47°08'13" E 629.94'

L=241.40' R=2714.79'

N 42°02'31" E 263.28'

G L E N N H I G H W A Y

EXISTING CENTERLINE

N 51°37'32" E 636.87'

R=1582.39' L=226.27'

N 43°25'58" E 702.47'

L=446.01' R=5579.55'

N 48°00'46" E 296.72'

N 47°08'13" E 632.24'

L=268.08' R=3014.79'

N 42°02'31" E 263.28'

MATCH LINE STA 768+00.00 SHEET 18

NEI/4 SEC. 15

NWI/4 SEC. 14

1/4 LINE N 87°47'42" E 1357.21'

50' SECTION LINE EASEMENT

SECTION LINE

50' SECTION LINE EASEMENT

1158.42' N 02°20'07" W

SEC. 14 SEC. 15

RIGHT-OF-WAY LINE

N 34°19'16" E 3277.30'

150'

760

765

755

P.T. TO P.C. N34°19'16"E - 4,355.06'

E-14

N 34°19'16" E 2416.96'

P.T. STA. 739+17.27

MATCH LINE STA 739+17.27 SHEET 16

FND. 1/4 COR.

41.34'

30.69'

429.68'

N 34°19'16" E

186.65'

51.44'

N 34°19'16" E

SEC. 14

750

740

E-14

186.65'

225'

755+00.00 175.00' RT.

N 55°40'44" W 50.00'

RIGHT-OF-WAY LINE

N 34°19'16" E 325.00'

755+00.00 225.00' RT.

751+75.00 175.00' RT.

S 55°40'44" E 50.00'

751+75.00 225.00' RT.

535.93'

N 34°19'16" E 414.07'

NWI/4 SEC. 14

N 34°19'16" E 281.62'

742+25.00 175.00' RT.

S 55°40'44" E 25.00'

742+25.00 150.00' RT.

N 87°47'55" E

SWI/4 SEC. 14

239.43'

N 02°18'18" W 2288.24'

50' SECTION LINE EASEMENT

26.11'

50' SECTION LINE

FND. SEC. COR.

DATE	REVISIONS	BY
8/13/96	REVISED SLOPES	rk
4/3/96	ADDED R.O.W. MONS, REV. DIMS, AREAS PCL E-14	rk
4/3/96	ADDED CENTERLINE MONUMENT.	rk
4/3/96	ADDED BK. & PG. HEADING. REV. SHEET TOTAL.	rk
1/11/95	CHANGED TAKE AREA PARCEL E-14	rk
8-30-94	CHANGED TAKE AREA PARCEL E-14	rk

E-14	EASEMENT	STATE OF ALASKA (SEE SHEET 18)	LARGE	129.813 AC±	129.813 AC±	LARGE	ADL NO. 226676
PARCEL NO.	INTEREST TO BE ACQUIRED	OWNER	LARGER PARCEL	TAKE INCLUDING EXISTING EASEMENT	NET TAKE	REMAINDER	BK., PG. RECORDED

PARCEL INFORMATION

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
RIGHT OF WAY MAP
ALASKA PROJECT NO.
IR-0A1-5(4)
56454
GLENN HIGHWAY MILE 109-118

DRAWN	RK	DATE	6/20/94	SCALE	1"=100'
CHECKED		DATE		SHEET	17 OF 23

PARCEL INFORMATION								PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
PARCEL NO.	INTEREST TO BE ACQUIRED	OWNER	LARGER PARCEL	TAKE INCLUDING EXISTING EASEMENT	NET TAKE	REMAINDER	BK. PG. RECORDED	IR-0A1-5(4)	1-18	148
E-14	EASEMENT	STATE OF ALASKA (SEE SHEET 19)	LARGE	129.813 AC±	129.813 AC±	LARGE	ADL NO. 226676			

STATE OF ALASKA ★49TH★ GREG A. FRAZIER LS-6912 REGISTERED PROFESSIONAL LAND SURVEYOR

DEPARTMENT LOCATIONS SURVEYORS CERTIFICATE

STATE OF ALASKA ★49TH★ JAMES H. SHARP NO. 4015-S REGISTERED PROFESSIONAL LAND SURVEYOR

DEPARTMENT RIGHT-OF-WAY SURVEYORS CERTIFICATE

CONTRACTOR SURVEYORS CERTIFICATE

FND. SEC. COR. 15 14 10 11

N 87°43'55" E 1155.34'

N 42°02'31" E 263.28'

L=134.46' R=1282.39'

N 36°02'04" E 825.33'

L=550.55' R=1282.39'

N 11°53'00" E 543.99'

N 11°49'21" E 786.85'

N 11°49'21" E 787.01'

GLENN HIGHWAY

EXISTING CENTERLINE

N 11°53'00" E 544.15'

MATCH LINE STA 799+00.00 SHEET 19

N 02°21'04" W 1691.62'

N 42°02'31" E 263.28'

L=165.92' R=1582.39'

N 36°02'04" E 825.33'

L=667.00' R=1582.39'

385.29'

SECTION LINE S 87°43'55" W 50' SECTION LINE EASEMENT

50' SECTION LINE EASEMENT 1447.23'

SWI/4 SEC. 11

T20N R1W SEC. 11 S 14

SWI/4 SEC. 11

NWI/4 SEC. 14

Δ=9°47'51" D=1°30'00" R=3,819.72' L=653.17' T=327.39'

PT STA. 789+25.50

1/4 LINE

L=71.23' R=3669.72'

N 24°31'25" E 1825.19'

RIGHT-OF-WAY LINE

N 34°19'16" E 3277.30'

PC STA. 782+72.33

N 34°19'16" E 596.64'

L=556.29' R=3669.72'

150'

795

P.T. TO P.C. N24°31'25"E - 3,022.10'

MATCH LINE STA 768+00.00 SHEET 17

196.82'

Slope Limit

300.04'

790

785

780

775

770

P.T. TO P.C. N34°19'16"E 4,355.06'

E-14

PROJECT CENTERLINE

S 55°40'44" E 25.00'

782+72.33 150.00' RT.

270.78'

L=678.82' R=3969.72'

N 24°31'25" E 1024.50'

RIGHT-OF-WAY LINE

N 34°19'16" E 355.37'

N 34°19'16" E 675.00'

N 34°19'16" E 2416.96'

782+72.33 175.00' RT.

SEC. 11 SEC. 10

279.92'

378.28'

FND. 1/4 COR.

NWI/4 SEC. 14

STATE OF ALASKA SEI/4 SEC. 11

DATE	REVISIONS	BY
8/13/96	REVISED SLOPES	rk
4/11/96	ADDED R.O.W. MONS., REV. DIMS., AREAS PCL E-14.	rk
4/3/96	ADDED BK. & PG. HEADING. REV. SHEET TOTAL.	rk
1/11/95	CHANGED TAKE AREA PARCEL E-14	rk
8-30-94	CHANGED TAKE AREA PARCEL E-14	rk

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES

RIGHT OF WAY MAP
ALASKA PROJECT NO.

IR-0A1-5(4)

56454

GLENN HIGHWAY MILE 109-118

DRAWN	RK	DATE	6/20/94	SCALE	1"=100'
CHECKED	JC	DATE	8/3/94	SHEET	18 OF 23

PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
IR-0A1-5(4)	1-19	148

STATE OF ALASKA
49TH
GREG A. FRAZIER
LS-692
REGISTERED PROFESSIONAL LAND SURVEYOR

DEPARTMENT LOCATIONS SURVEYORS CERTIFICATE

STATE OF ALASKA
49TH
JAMES H. SHARP
NO. 4015-S
REGISTERED PROFESSIONAL LAND SURVEYOR

DEPARTMENT RIGHT-OF-WAY SURVEYORS CERTIFICATE

CONTRACTOR SURVEYORS CERTIFICATE

NEI/4 SEC. II

1/4 LINE

SEC. LINE

T20N R1W S.M.

L=918.30'
R=866.20'
N 72°33'51" E
19.21'
L=465.99'
R=668.51'
N 32°37'35" E 2444.64'
N 32°37'35" E 2654.68'
L=675.10'
R=968.51'
L=918.30'
R=566.20'
N 72°33'51" E
19.21'
N 49°21' E
787.01'
N 02°21'04" E 1692.61'
C 1/4 COR
N 87°42'59" E 857.53'
1/4 LINE
1446.49'
FND. 1/4 COR. II
12

DNR Trailhead "Chickaloon-Knik-Nelchina Trail System"

EXISTING ROAD

EXISTING CENTERLINE

G L E N N H I G H W A Y

STATE OF ALASKA
SEI/4 SEC. II

NEI/4 SEC. II

MATCH LINE STA 799+00.00 SHEET 18

MATCH LINE STA 828+00.00 SHEET 20

L=707.90'
R=3969.72'
N 34°44'27" E
1154.49'
E-14
825
820
815
PROJECT CENTERLINE
N 24°31'25" E 1197.67'
RIGHT-OF-WAY LINE
150'
168.06'
810
P.T. TO P.C. N24°31'25"E - 3,022.10'
N 24°31'25" E 1825.19'
CAMP CREEK TRAIL
Slope Limit
805
800
CAMP CREEK
150'
150'
E-14
799+50.00
150.00' RT.
401.52'
805+00.00
150.00' RT.
550.00'
S 65°28'35" E
805+00.00
205.00' RT.
N 24°31'25" E 550.00'
S 65°28'35" E
55.00'
799+50.00
205.00' RT.
N 24°31'25" E 1046.08'
RIGHT-OF-WAY LINE
PC STA. 819+47.59
L=654.40'
R=3669.72'
Δ=10°13'02"
D=1°30'00"
R=3,819.72'
L=681.15'
T=341.48'
SE=2.8%
TL=175'
PT STA. 826+28.74
N 34°44'27" E
1039.74'

NEI/4 SEC. II

SEI/4 SEC. II

E-14	EASEMENT	STATE OF ALASKA (SEE SHEET 20)	LARGE	129.813 AC±	129.813 AC±	LARGE	ADL NO. 226676
PARCEL NO.	INTEREST TO BE ACQUIRED	OWNER	LARGER PARCEL	TAKE INCLUDING EXISTING EASEMENT	NET TAKE	REMAINDER	BK. PG. RECORDED

PARCEL INFORMATION

DATE	REVISIONS	BY
8/13/96	REVISED SLOPES	rk
4/11/96	ADDED MONUMENTS, REV. AREAS, PCL. E-14	rk
4/3/96	ADDED BK. & PG. HEADING. REV. SHEET TOTAL.	rk
1/11/95	REV. TAKE, DIMS. PCL E-14	rk
8-30-94	REV. TAKE, DIMS. PCL E-14	rk

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES

RIGHT OF WAY MAP
ALASKA PROJECT NO.

IR-0A1-5(4)

56454

GLENN HIGHWAY MILE 109-118

DRAWN	RK	DATE	6/20/94	SCALE	1"=100'
CHECKED	JC	DATE	8/3/94	SHEET	19 OF 23

PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
IR-0A1-5(4)	1-20	148

STATE OF ALASKA 49TH — GREG A. FRAZIER LS-6912 — REGISTERED PROFESSIONAL LAND SURVEYOR
DEPARTMENT LOCATIONS SURVEYORS CERTIFICATE

STATE OF ALASKA 49TH — JAMES H. SHARP NO. 4015-S — REGISTERED PROFESSIONAL LAND SURVEYOR
DEPARTMENT RIGHT-OF-WAY SURVEYORS CERTIFICATE

CONTRACTOR SURVEYORS CERTIFICATE

FND. 1/4 COR.

SEI/4 SEC. 2

T20N R8E
SEC. 2 & 11
S. M.

1972.94'

N 32°37'35" E 2444.64'

300.67'
N 32°37'35" E

184.27'
N 34°27'47" E

L=411.84'
R=11309.16'

247.30'
N 32°22'36" E

260.91'

L=384.98'
R=1031.47'

N 53°45'42" E 814.93'

1702.53'

FND. 1/4 COR.

50' SECTION LINE EASEMENT

50' SECTION LINE EASEMENT

366.22'
N 87°37'46" E

EXISTING CENTERLINE

N 02°26'02" W
523.02'

G L E N N H I G H W A Y

NEI/4 SEC. 11

87.59'
N 34°27'47" E
179.47'

L=240.64'
R=11609.16'

L=162.13'

N 32°22'36" E 508.20'

L=273.01'
R=731.47'

N 53°45'42" E 814.93'

1147.09'
N 32°37'35" E

SHEET 19

RIGHT-OF-WAY LINE

SWI/4 SEC. 1

N 34°44'27" E
1154.49'

62.70'

218.83'

210.69'

R=3969.72'

L=1927.21'

169.30'

174.51'

150'

Slope Limit

830

835

840

845

850

855

860

FND. SEC. COR.

73.86'

187.79'

P.T. TO P.C. N34°44'27"E 1,646.70'

PROJECT CENTERLINE

E-14

248.66'

Slope Limit

N 34°44'27" E
1039.74'

N 34°44'27" E 403.77'

N 34°44'27" E
203.19'

P.C. STA. 842+75.45

L=1781.56'
R=3669.72'

RIGHT-OF-WAY LINE

Δ=27°48'57"
D=1°30'00"
R=3,819.72'
L=1,854.39'
T=945.84'
SE=2.8%
TL=175'

MATCH LINE STA 828+00.00

MATCH LINE STA 857+00.00

SHEET 21

TRAIL CREEK

PROJECT CENTERLINE

50' SECTION LINE EASEMENT

SECTION LINE

50' SECTION LINE EASEMENT

N 02°21'39" W
2318.45'

NWI/4 SEC. 12

N 87°45'15" E
2406.18'

FND. 1/4 COR.

FND. 1/4 COR.

E-14	EASEMENT	STATE OF ALASKA (SEE SHEET 21)	LARGE	129.813 AC±	129.813 AC±	LARGE	ADL NO. 226676
PARCEL NO.	INTEREST TO BE ACQUIRED	OWNER	LARGER PARCEL	TAKE INCLUDING EXISTING EASEMENT	NET TAKE	REMAINDER	BK. PG. RECORDED

PARCEL INFORMATION

DATE	REVISIONS	BY
8/13/96	REVISED SLOPES	rk
4/11/96	ADDED R.O.W. MONS., REV. AREAS, PCL. E-14	rk
4/3/96	ADDED BK. & PG. HEADING. REV. SHEET TOTAL.	rk
1/11/95	CHANGED TAKE AREA PARCEL E-14	rk
8-30-94	CHANGED TAKE AREA PARCEL E-14	rk

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES

RIGHT OF WAY MAP
ALASKA PROJECT NO.

IR-0A1-5(4)

56454

GLENN HIGHWAY MILE 109-118

DRAWN	RK	DATE	6/20/94	SCALE	1"=100'
CHECKED	JC	DATE	8/4/94	SHEET	20 OF 23

PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
IR-0A1-5(4)	1-21	148

STATE OF ALASKA ★ 49TH ★ GREG A. FRAZIER LS-6912 REGISTERED PROFESSIONAL LAND SURVEYOR

DEPARTMENT LOCATIONS SURVEYORS CERTIFICATE

STATE OF ALASKA ★ 49TH ★ JAMES N. SHARP NO. 4015-S REGISTERED PROFESSIONAL LAND SURVEYOR

DEPARTMENT RIGHT-OF-WAY SURVEYORS CERTIFICATE

CONTRACTOR SURVEYORS CERTIFICATE

FND. 1/4 COR.

N 87°35'32" E 2649.32'

1/4 LINE

T12ON R11E S. M. SEC. 1

C 1/4 COR. SEC. 1

NORTHERN REGION P.T. CENTERLINE MON.

P.T. STA. 880+19.06

880

N 43°51'17" E 94.19'

N 43°51'17" E

DETAIL N.T.S.

AREA TO BE ACQUIRED BY NORTHERN REGION D.O.T./P.F.

N 87°35'32" E 2637.84'

346.03'

1/4 LINE

E.O.P. TO P.O.T. N 43°51'17" E 2247.04'

1077.43'

N 43°56'21" E

885

218.61'

881+05.38 122.99' LT.

P.T. STA. 880+19.06

SEI/4 SEC. 1

SEE DETAIL

877+26.26 118.17' LT.

N 46°44'40" E 61.50'

876+62.29 114.31' LT.

△=18°42'07" D=2°00'00" R=2864.79' L=935.10' T=471.75'

L=366.71' R=7849.44'

880

P.T. TO E.O.P. N43°51'17" E 24.94'

FND. 1/4 COR.

L=532.41' R=866.20'

230.09' N 88°58'43" E

36.25'

L=296.13' R=5579.58'

N 85°56'16" E 346.03'

871+50.55 201.83' LT.

P I
Δ = 64°56'27"
D = 85°30'58"
T = 42.64'
L = 75.94'
R = 67.00'

L=140.06'

L=360.30'

R=731.47'

R=566.20' L=348.02'

EXISTING CENTERLINE

TRAILHEAD ACCESS RD. CENTERLINE

GLENN HIGHWAY

N 88°58'43" E 371.34'

861+87.65 314.40' LT.

SWI/4 SEC. 1

TRAIL CREEK

R=3969.72' L=1927.21'

MATCH LINE STA. 857+00.00 SHEET 20

865+20.62 150.00' LT.

STA. 866+00.00 = "AR" STA. 10+00.00

P.C. 18+56.06

P.T. 19+32.00

P.C. 8+03.96

172.95'

875

870

162.54' N 85°56'16" E

183.43'

Slope Limit

865

860

P.T. TO P.C. N62°33'24"E - 954.13'

S27°26'36"E 60.00'

"AR" PC 10+60.00

PROJECT CENTERLINE

E-14

Slope Limit

N62°33'24"E 241.35'

R=1031.47' L=130.94'

R=1031.47' L=206.77'

N68°38'31"E 143.60'

L=324.13'

R=1031.47'

877+40.86 181.46' RT.

N 46°44'40" E 61.50'

150' EASEMENT DEED AA-55011

EXISTING ACCESS ROAD

50'

873+38.93 166.19' RT.

876+83.15 184.95' RT.

150' EASEMENT DEED AA-55011

N 32°32'34" W 83.81'

N 62°33'24" E 495.17'

866+25.00 150.00' RT.

S 27°26'36" E 100.00'

N 62°33'24" E 462.95

N 59°58'09" E 273.14'

873+38.93 250.00' RT.

R=3669.72' L=1781.56'

P.T. STA. 861+29.83

"AR" Δ=90°00'00" D=76°23'40" R=75.00' T=75.00' L=117.81'

866+25.00 250.00' RT.

"AR" PT 11+77.81

"AR" PC 14+19.16

"AR" PT 16+06.40

"AR" Δ=6°05'07" D=3°15'00" R=1762.95' T=93.71' L=187.24'

870+87.63 249.99' RT.

N 02°28'35" W 1633.97'

SEI/4 SEC. 1

SWI/4 SEC. 1

FND. 1/4 COR.

EOP 882+65.00= 70+60.97 AHD

E-14	EASEMENT	STATE OF ALASKA (SEE SHEET 19)	LARGE	129.813 AC±	129.813 AC±	LARGE	ADL NO. 226676
PARCEL NO.	INTEREST TO BE ACQUIRED	OWNER	LARGER PARCEL	TAKE INCLUDING EXISTING EASEMENT	NET TAKE	REMAINDER	BK. PG. RECORDED

PARCEL INFORMATION

DATE	REVISIONS	BY
9/4/96	REV. CENTERLINE, SLOPES, STA/OFF, MONS.	rk
4/11/96	ADDED R.O.W. MONS., REV. DIMS., AREAS PCL E-14	rk
4/3/96	ADDED BK. & PG. HEADING. REV. SHEET TOTAL.	rk
1/11/95	CHANGED TAKE AREA PARCEL E-14	rk
8-30-94	CHANGED TAKE AREA PARCEL E-14	rk

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
RIGHT OF WAY MAP
ALASKA PROJECT NO.

IR-0A1-5(4)

56454

GLENN HIGHWAY MILE 109-118

DRAWN	RK	DATE	6/20/94	SCALE	1"=100'
CHECKED	JC	DATE	8/4/94	SHEET	21 OF 23

MONUMENT SUMMARY SHEET

PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
IR-0A1-5(4)	1-22	148

INSTALL PROJECT RIGHT OF WAY LIMIT MONUMENTS

LOCATION	MONUMENT TYPE	NORTHING	EASTING	STATION	OFFSET	WORK ITEM
ANGLE POINT	SECONDARY	2861176.293	929012.257	559+25.00	148.68 LT	1,10
ANGLE POINT	PRIMARY	2861236.476	928987.701	559+25.00	213.68 LT	1,10
ANGLE POINT	SECONDARY	2861308.521	929336.319	562+75.00	148.67 LT	5,10
ANGLE POINT	PRIMARY	2861368.704	929311.762	562+75.00	213.67 LT	1,10
ANGLE POINT	PRIMARY	2864350.344	937651.051	651+30.30	100.00 RT	1,10
ANGLE POINT	SECONDARY	2864378.040	937649.850	651+38.17	73.42 RT	5,10
PC	PRIMARY	2864398.559	937791.232	652+78.54	100.00 RT	1,10
ANGLE POINT	SECONDARY	2864563.738	938179.256	656+86.38	100.00 RT	5,10
ANGLE POINT	PRIMARY	2864568.915	938302.386	657+92.64	153.63 RT	1,10
ANGLE POINT	SECONDARY	2864643.056	938299.580	658+25.43	87.77 RT	5,10
ANGLE POINT	PRIMARY	2866295.815	940122.847	683+17.19	100.00 RT	1,10
INTER SEC LINE	SECONDARY	2866299.799	940217.877	684+10.99	136.13 RT	5,10
ANGLE POINT	PRIMARY	2866301.315	940257.413	684+51.04	150.00 RT	1,10
PT	PRIMARY	2866409.045	941195.394	694+88.37	150.00 RT	1,10
ANGLE POINT	PRIMARY	2866699.304	941280.473	695+26.95	150.00 LT	1,10
ANGLE POINT	PRIMARY	2866219.337	942392.081	707+00.00	150.00 RT	1,10
ANGLE POINT	SECONDARY	2866095.879	942372.509	707+00.00	275.00 RT	5,10
ANGLE POINT	SECONDARY	2866056.736	942619.426	709+50.00	275.00 RT	5,10
ANGLE POINT	PRIMARY	2866180.194	942638.997	709+50.00	150.00 RT	1,10
PC	PRIMARY	2866053.207	943440.042	717+61.04	150.00 RT	1,10
PC	PRIMARY	2866349.507	943487.013	717+61.04	150.00 LT	1,10
PT	PRIMARY	2866926.247	945463.775	739+17.27	150.00 RT	1,10
PT	PRIMARY	2867095.396	945216.008	739+17.27	150.00 LT	1,10
INTER SEC LINE	SECONDARY	2866947.813	945478.498	739+43.38	150.00 RT	5,10
ANGLE POINT	SECONDARY	2867180.398	945637.283	742+25.00	150.00 RT	5,10
ANGLE POINT	PRIMARY	2867166.302	945657.930	742+25.00	175.00 RT	1,10
INTER SEC LINE	SECONDARY	2867450.263	945458.274	743+46.95	150.00 LT	5,10
ANGLE POINT	PRIMARY	2867950.897	946193.570	751+75.00	175.00 RT	1,10
ANGLE POINT	SECONDARY	2867922.705	946234.865	751+75.00	225.00 RT	5,10
ANGLE POINT	SECONDARY	2868191.120	946418.110	755+00.00	225.00 RT	5,10
ANGLE POINT	PRIMARY	2868219.311	946376.816	755+00.00	175.00 RT	1,10
INTER SEC LINE	PRIMARY	2870199.431	947335.121	776+75.69	150.00 LT	1,10
INTER SEC LINE	PRIMARY	2870215.450	947739.572	779+16.96	175.00 RT	1,10
PC	PRIMARY	2870508.946	947939.941	782+72.33	175.00 RT	1,10
PC	SECONDARY	2870523.042	947919.293	782+72.33	150.00 RT	5,10
PC	PRIMARY	2870692.191	947671.527	782+72.33	150.00 LT	1,10
PT	PRIMARY	2871238.112	947979.418	789+25.50	150.00 LT	1,10
PT	PRIMARY	2871113.591	948252.356	789+25.50	150.00 RT	1,10
ANGLE POINT	PRIMARY	2872045.672	948677.593	799+50.00	150.00 RT	1,10
ANGLE POINT	SECONDARY	2872022.843	948727.631	799+50.00	205.00 RT	5,10
ANGLE POINT	SECONDARY	2872523.227	948955.919	805+00.00	205.00 RT	5,10
ANGLE POINT	PRIMARY	2872546.056	948905.880	805+00.00	150.00 RT	1,10
PC	PRIMARY	2873987.585	949233.794	819+47.59	150.00 LT	1,10
PC	PRIMARY	2873863.064	949506.731	819+47.59	150.00 RT	1,10
PT	PRIMARY	2874602.087	949583.337	826+28.74	150.00 LT	1,10
PT	PRIMARY	2874431.127	949829.858	826+28.74	150.00 RT	1,10
INTER SEC LINE	PRIMARY	2875285.520	950422.370	836+68.48	150.00 RT	1,10
INTER SEC LINE	PRIMARY	2875602.297	950276.971	838+45.93	150.00 LT	1,10
INTER SEC LINE	PRIMARY	2875782.116	950401.673	840+64.76	150.00 LT	1,10
INTER SEC LINE	PRIMARY	2875617.313	950652.464	840+72.25	150.00 RT	1,10
PC	PRIMARY	2875784.285	950768.257	842+75.45	150.00 RT	1,10
PC	PRIMARY	2875955.245	950521.736	842+75.45	150.00 LT	1,10
PT	PRIMARY	2877216.032	951954.274	861+29.83	150.00 LT	1,10
PT	PRIMARY	2876949.792	952092.535	861+29.83	150.00 RT	1,10
ANGLE POINT	PRIMARY	2877396.135	952301.084	865+20.62	150.00 LT	1,10
ANGLE POINT	PRIMARY	2877089.255	952578.069	866+25.00	250.00 RT	1,10
ANGLE POINT	PRIMARY	2877178.002	952531.982	866+25.00	150.00 RT	1,10
INTER SEC LINE	PRIMARY	2877302.614	952988.920	870+87.63	250.00 RT	1,10
INT RW/EX RW	PRIMARY	2877439.314	953225.394	873+38.93	250.00 RT	1,10
INT RW/EX RW	SECONDARY	2877509.965	953180.311	873+38.61	166.68 RT	5,10

WORK ITEM	PAY ITEM	PAY ITEM NO.
1	(INSTALL) SURVEY MONUMENT	614(1)
2	(INSTALL) MONUMENT CASE	614(2)
~~3~~	~~ADJUST EXISTING MONUMENT AND CASE~~	~~614(3)~~
~~4~~	~~ADJUST EXISTING MONUMENT CASE~~	~~614(4)~~
5	(INSTALL) SECONDARY MONUMENT	614(5)
6	REFERENCE EXISTING MONUMENT	642(6)
~~7~~	~~REMOVE EXISTING MONUMENT~~	~~_____~~
8	REPLACE EXISTING WITH PRIMARY MONUMENT	642(4)
~~9~~	~~REPLACE EXISTING WITH SECONDARY MONUMENT~~	~~_____~~
10	CERTIFY POSITIONAL ACCURACY OF MONUMENT	642(9)

INSTALL PROJECT CENTERLINE MONUMENTS

LOCATION	MONUMENT TYPE	NORTHING	EASTING	STATION	WORK ITEM
BOP	PRIMARY IN CASE	2857495.606	912232.741	383+61.41	1,2,10
PC	PRIMARY IN CASE	2857484.459	912645.079	387+73.90	1,2,10
PT	PRIMARY IN CASE	2857450.684	913150.055	392+80.14	1,2,10
PC	PRIMARY IN CASE	2857340.845	914177.063	403+13.00	1,2,10
PT	PRIMARY IN CASE	2857496.080	915066.393	412+27.63	1,2,10
PC	PRIMARY IN CASE	~~2857850.328~~	~~916795.699~~	~~420+38.42~~	1,2,10
PT	PRIMARY IN CASE	~~2858001.978~~	~~916715.798~~	~~429+84.02~~	1,2,10
PC	PRIMARY IN CASE	2857909.229	917451.155	437+25.21	1,2,10
PT	PRIMARY IN CASE	2857892.955	917998.688	442+73.82	1,2,10
PC	PRIMARY IN CASE	2857983.895	919373.814	456+51.94	1,2,10
PT	PRIMARY IN CASE	2858072.328	920066.368	463+50.56BK=	1,2,10
				463+56.84AHD	
PC	PRIMARY IN CASE	2858258.559	921045.433	473+53.46	1,2,10
PT	PRIMARY IN CASE	2858308.761	921542.269	478+53.46	1,2,10
PC	PRIMARY IN CASE	2858315.531	922046.141	483+57.38	1,2,10
PT	PRIMARY IN CASE	2858456.932	922742.099	490+71.71BK=	1,2,10
				490+92.16AHD	
POT	PRIMARY IN CASE	2859102.218	924323.340	508+00.00	1,2,10
POT	PRIMARY IN CASE	2859782.325	925989.910	526+00.00	1,2,10
POT	PRIMARY IN CASE	2860689.134	928212.003	550+00.00	1,2,10
POT	PRIMARY IN CASE	2861633.726	930526.683	575+00.00	1,2,10
POT	PRIMARY IN CASE	2862578.319	932841.363	600+00.00	1,2,10
POT	PRIMARY IN CASE	2863474.383	935037.125	623+71.56	1,2,10
PC	PRIMARY IN CASE	2863878.611	936027.667	634+41.41	1,2,10
PT	PRIMARY IN CASE	2864105.005	936630.293	640+85.24	1,2,10
PC	PRIMARY IN CASE	2864493.122	937758.707	652+78.54	1,2,10
PT	PRIMARY IN CASE	2865402.548	939055.942	668+83.71	1,2,10
PC	PRIMARY IN CASE	2865870.625	939433.847	674+85.30	1,2,10
PT	PRIMARY IN CASE	2866557.195	941218.880	694+88.37	1,2,10
PC	PRIMARY IN CASE	2866201.357	943463.528	717+61.04	1,2,10
PT	PRIMARY IN CASE	2867010.821	945339.892	739+17.27	1,2,10
POT	PRIMARY IN CASE	2868730.927	946514.201	760+00.00	1,2,10
PC	PRIMARY IN CASE	2870607.616	947795.410	782+72.33	1,2,10
PT	PRIMARY IN CASE	2871175.852	948115.887	789+25.50	1,2,10
POT	PRIMARY IN CASE	2872517.337	948727.905	804+00.00	1,2,10
PC	PRIMARY IN CASE	2873925.325	949370.262	819+47.59	1,2,10
PT	PRIMARY IN CASE	2874516.607	949706.598	826+28.74	1,2,10
PC	PRIMARY IN CASE	2875869.765	950644.997	842+75.45	1,2,10
PT	PRIMARY IN CASE	2877082.912	952023.405	861+29.83	1,2,10
PC	PRIMARY IN CASE	2877522.644	952870.163	870+83.96	1,2,10
PT	PRIMARY IN CASE	2878080.232	953615.661	880+19.06	1,2,10

DEPARTMENT LOCATIONS SURVEYORS CERTIFICATE

STATE OF ALASKA 49TH — GREG A. FRAZIER LS-6912 — REGISTERED PROFESSIONAL LAND SURVEYOR

DEPARTMENT RIGHT-OF-WAY SURVEYORS CERTIFICATE

STATE OF ALASKA 49TH — JAMES H. SHARP NO. 4015-S — REGISTERED PROFESSIONAL LAND SURVEYOR

CONTRACTOR SURVEYORS CERTIFICATE

NOTES:

1. WHETHER LISTED OR NOT, ALL MONUMENTS OR PROPERTY MARKERS/ CORNERS OR ACCESSORIES WHICH WILL BE DISTURBED OR BURIED SHALL BE REFERENCED AND RE-ESTABLISHED IN THEIR ORIGINAL POSITION (A.S. 19.10.260) AND RECORDED (A.S. 34.65.040).

HORIZONTAL CONTROL

HORIZONTAL CONTROL IS BASED ON USC&GS TRIANGULATION STATION "GLEN EAST BASE", A BRASS CAP MONUMENT LOCATED 34' LEFT OF STATION 655+65, HAVING ALASKA STATE PLANE - ZONE 4 COORDINATES OF N2,864,630.378, E938,010.492 AND FROM WHICH USC&GS TRIANGULATION STATION "GLEN WEST BASE RM#3", A BRASS CAP MONUMENT LOCATED 72' RIGHT OF STATION 518+95, HAVING ALASKA STATE PLANE - ZONE 4 COORDINATES OF N2,859,449.561, E925,363.925 BEARS S67°43'23"W. SAID LINE BEING THE BASIS OF BEARING, ALASKA STATE PLANE GRID.

Sta. 421+24.25 2857887.830 915872.907 Bk. Ahd
Sta. 428+98.19 2858012.719 916630.633 Ahd

DATE	REVISIONS	BY
8/13/96	REV. MISC. STATIONS, WORK ITEMS	rk

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES

RIGHT OF WAY MAP
ALASKA PROJECT NO.

IR-0A1-5(4)
56454

GLENN HIGHWAY MP 109 to 118

DRAWN	rk	DATE	4/1/96	SCALE	No Scale
CHECKED	j.c.	DATE		SHEET	22 OF 23

MONUMENT SUMMARY SHEET

PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
IR-0A1-5(4)	1-23	148

RECOVERED CORNERS - SHEET 5

LOCATION	MONUMENT TYPE	NORTHING	EASTING	STATION	OFFSET	WORK ITEM
E 1/16 S22/S27	2" Alcap/Rebar	2858333.320	913121.022	391+72.24	875.58 LT	
W Bndry Lot 1 S27 @ N R/W	Alcap/Rebar	2857593.152	913149.551	392+64.83	141.63 LT	6
W Bndry Lot 1 S27 @ S R/W	Alcap/Rebar	2857291.353	913161.038	393+08.00	157.26 RT	6
NE 1/16 Cor S27	Alcap/Rebar	2857018.818	913171.351	393+47.24	427.15 RT	
C3 USS 3196	3 1/4" BLM BC Mon	2857921.789	913377.428	394+56.12	492.61 LT	
C2 USS 3196	3 1/4" BLM BC Mon	2857527.648	913341.808	394+62.62	96.92 LT	6
WCMC 27/26	3 1/4" BLM BC Mon	2855856.269	914531.848	405+82.36	1480.53 RT	
C1 USS 3196	3 1/4" BLM BC Mon	2857427.787	914457.464	406+00.19	92.56 LT	6
N 1/16 27/26	Alcap/Rebar	2857069.558	914486.023	406+03.49	266.79 RT	
E Bndry Lot 1 S27 @ S R/W	Alcap/Rebar	2857175.660	914482.148	406+06.81	160.68 RT	6
E Bndry USS 3196 @ N RW	2" Alcap/Rebar	2857477.737	914461.846	406+08.74	142.07 LT	6
Bndry S27/S26 @ N R/W	2" Alcap/Rebar	2857476.836	914470.787	406+18.43	140.48 LT	6
CC USS 2627	3 1/4" BLM BC Mon	2857546.174	914468.093	406+21.70	209.81 LT	
CC USS 3196	Alcap/Rebar	2857824.718	914457.083	406+38.59	488.26 LT	
C4 USS 3196	3 1/4" BLM BC Mon	2857821.540	914492.666	406+88.37	481.28 LT	
Sec Cor 22/23/27/26	3 1/4" BLM BC Mon	2858381.152	914436.058	407+22.41	1043.48 LT	

RECOVERED CORNERS - SHEET 6

LOCATION	MONUMENT TYPE	NORTHING	EASTING	STATION	OFFSET	WORK ITEM
BM F23	3 3/4" USC&GS BC Mon	2857551.432	915485.402	416+28.71	133.28 RT	
1/4 Cor 23/26	3 1/4" BLM BC Mon	2858480.793	917074.369	432+79.86	519.92 LT	
N-S 1/4 Line S26 @ N R/W	Alcap/Rebar	2857862.424	917097.572	433+80.26	90.68 RT	6

RECOVERED CORNERS - SHEET 7

LOCATION	MONUMENT TYPE	NORTHING	EASTING	STATION	OFFSET	WORK ITEM
BM F88	3 3/4" USC&GS BC Mon			454+48.00	67.00 RT	
1/4 Cor S25/S26	3 1/4" BLM BC Mon	2855940.818	919815.444	458+76.57	2073.76 RT	
TRI STA "SHEEP ASTRO"	3 1/4" BC Mon	2857841.417	919798.632	460+53.82	184.74 RT	
WC Sec Cor 23/24/26/25	3 1/4" BLM BC Mon	2858578.395	919733.401	460+93.03	554.147 LT	

RECOVERED CORNERS - SHEETS 8-10

LOCATION	MONUMENT TYPE	NORTHING	EASTING	STATION	OFFSET	WORK ITEM
WC 1/4 Cor 24/25	3 1/4" BLM BC Mon	2858691.990	922620.509	490+44.14	263.40 LT	
1/4 Cor 25/30	3 1/4" BLM BC Mon	2856134.940	925097.918	503+96.01	3039.98 RT	
Sec Cor 24/19/25/30	3 1/4" BLM BC Mon	2858783.244	924981.195	512+88.57	543.89 RT	
TRI STA GLENN WEST BASE	3 1/4" USC&GS BC Mon	2859468.197	925356.258	518+94.63	51.42 RT	6
GLENN WEST BASE RM #3	3 1/4" USC&GS BC Mon	2859449.561	925363.925	518+94.69	71.58 RT	6
BM G23	3 3/4" USC&GS BC Mon			519+31.00	51.00 RT	
1/4 Cor 24/19	3 1/4" BLM BC Mon	2861416.893	924893.093	522+02.09	1927.82 LT	
WC 1/4 Cor 19/30	3 1/4" BLM BC Mon	2858885.534	927649.513	537+97.74	1457.37 RT	

RECOVERED CORNERS - SHEET 11

LOCATION	MONUMENT TYPE	NORTHING	EASTING	STATION	OFFSET	WORK ITEM
Sec Cor 19/20/30/29	3 1/4" BLM BC Mon	2858974.829	929976.277	559+85.76	2253.84 RT	
1/4 Cor 19/20	3 1/4" BLM BC Mon	2861614.055	929868.892	568+83.54	230.33 LT	
BM H23	3 3/4" USC&GS BC Mon	2861482.220	929943.216	569+02.54	80.18 LT	

RECOVERED CORNERS - SHEET 12

LOCATION	MONUMENT TYPE	NORTHING	EASTING	STATION	OFFSET	WORK ITEM
C4 USS 3084	3 1/2" BLM BC Mon	2862086.123	931903.796	589+45.96	101.46 RT	6
Sheep Mt, Airport CL	BC Mon	2862972.311	932315.770	596+62.23	563.37 LT	
C2 USS 2792	3 1/2" BLM BC Mon	2862566.555	932555.286	597+30.68	97.20 LT	6
C1 USS 2792	3 1/2" BLM BC Mon	2863068.164	933777.349	610+51.68	99.88 LT	6
LM USS 2792	3 1/2" BLM BC Mon	2863111.915	933808.210	610+96.79	128.73 LT	6
C1 USS 3084	3 1/2" BLM BC Mon	2863084.141	934342.923	615+81.37	99.02 RT	6
1/4 Cor 20/21	2" galv. pipe	2861801.456	935113.362	618+10.05	1577.72 RT	

RECOVERED CORNERS - SHEET 13

LOCATION	MONUMENT TYPE	NORTHING	EASTING	STATION	OFFSET	WORK ITEM
BM J23	3 3/4" USC&GS BC Mon	2863331.065	934596.828	619+09.75	33.67 LT	
Sec Cor 17/16/20/21	3 1/4" BLM BC Mon	2864426.819	934993.715	626+91.23	898.24 LT	
1/4 Cor 17/16	3 1/4" BLM BC Mon	2867067.583	934903.364	635+68.03	3378.29 LT	

RECOVERED CORNERS - SHEET 14

LOCATION	MONUMENT TYPE	NORTHING	EASTING	STATION	OFFSET	WORK ITEM
RM 1/4 Cor 16/21	3 1/4" BLM BC Mon	2864484.460	937630.270	651+54.27	33.58 LT	
1/4 Cor 16/21	Computed from RM's	2864541.178	937642.773	651+84.54	83.15 LT	1, 2, 6
RM 1/4 Cor 16/21	3 1/4" BLM BC Mon	2864534.552	937753.455	652+87.17	40.87 LT	
TRI STA GLENN EAST BASE	3 1/4" USC&GS BC MON	2864630.378	938010.492	655+65.12	33.75 LT	6
GLENN EAST BASE RM #1	3 1/2" USC&GS BC Mon	2864717.518	937973.186	655+67.78	128.50 LT	6
Sec Cor 16/15/21/22	3 1/4" BLM BC Mon	2864652.127	940281.226	670+69.53	1424.75 RT	

RECOVERED CORNERS - SHEETS 15-21

LOCATION	MONUMENT TYPE	NORTHING	EASTING	STATION	OFFSET	WORK ITEM
1/4 Cor 9/16	3 1/4" BLM BC Mon	2869819.681	937444.023	680+54.02	4302.34 LT	
1/4 Cor 16/15	3 1/4" BLM BC Mon	2867288.402	940179.867	686+61.91	810.24 LT	
Sec Cor 15/14/22/23	3 1/4" BLM BC Mon	2864853.272	945562.805	730+31.32	1791.78 RT	
1/4 Cor 15/14	3 1/4" BLM BC Mon	2867491.568	945456.612	743+80.13	174.66 LT	
Sec Cor 10/11/15/14	3 1/4" BLM BC Mon	2870120.755	945348.623	764+90.66	1746.27 LT	
1/4 Cor 11/14	3 1/4" BLM BC Mon	2870225.295	947988.160	780+65.25	374.75 RT	
1/4 Cor 11/12	3 1/4" BLM BC Mon	2872968.989	950517.878	815+53.87	1441.03 RT	
1/4 Cor 2/11	3 1/4" BLM BC Mon	2875498.577	947771.652	824+39.66	2156.93 LT	
Sec Cor 2/1/11/12	3 1/4" BLM BC Mon	2875607.767	950409.084	839+25.71	44.55 LT	2, 6, 8
1/4 Cor 2/1	3 1/4" BLM BC Mon	2878240.403	950297.182	854+60.81	1910.47 LT	
1/4 Cor 1/12	3 1/4" BLM BC Mon	2875711.627	953056.796	864+14.95	1693.23 RT	
~~AZIMUTH MARK~~	~~BC Mon~~	~~2877647.629~~	~~952874.771~~	~~879+79.27~~	~~19.97 LT~~	~~2, 6, 8~~
CENTERLINE P.T. NORTHERN REGION	BC Mon	2878012.316	953550.407	879+24.90	1.55 RT	2, 6, 8

STATE OF ALASKA
49TH
GREG A. FRAZIER
LS-6912
REGISTERED PROFESSIONAL LAND SURVEYOR

DEPARTMENT LOCATIONS SURVEYORS CERTIFICATE

STATE OF ALASKA
49TH
JAMES H. SHARP
NO. 4015-S
REGISTERED PROFESSIONAL LAND SURVEYOR

DEPARTMENT RIGHT-OF-WAY SURVEYORS CERTIFICATE

CONTRACTOR SURVEYORS CERTIFICATE

DATE	REVISIONS	BY
9/5/96	MSC. REVISIONS	rk

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
RIGHT OF WAY MAP
ALASKA PROJECT NO.
IR-0A1-5(4)
56454
GLENN HIGHWAY MP 109 to 118

DRAWN rk	DATE 4/96	SCALE No Scale	
CHECKED j.c.	DATE	SHEET 23 OF 23	