

STATE OF ALASKA

DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

PROPOSED HIGHWAY PROJECT

KNIK-GOOSE BAY ROAD REHABILITATION AND PATHWAY

CA-0525(11)/53922

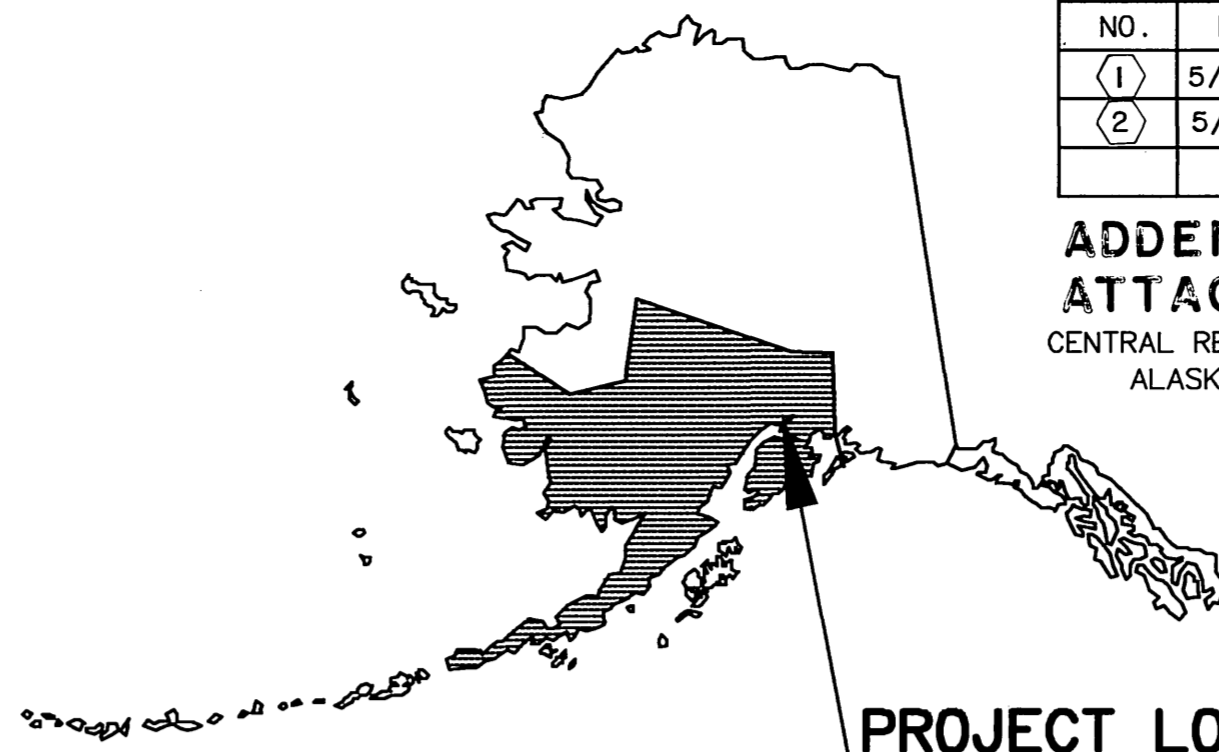
PAVING, DRAINAGE

AS BUILT PLANS

REVISIONS			YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION					
(1)	5/01/03	UPDATED SET OF DRAWINGS	2003	ALASKA	CA-0525(11)/53922	A1	156
(2)	5/21/03	CHANGED SHEET NUMBERS					

ROUTE: 170044 KNIK-GOOSE BAY ROAD MILEPOINT: 0.0 TO 19.56

ADDENDUM NO. 1
ATTACHMENT NO. 1
CENTRAL REGION
ALASKA



PROJECT LOCATION
WASILLA

INDEX	
SHEET NO.	DESCRIPTION
A1 - A9	TITLE, SURVEY CONTROL SHEETS
B1 - B5	TYPICAL SECTIONS
C1	ESTIMATE OF QUANTITIES
D1 - D10	SUMMARY SHEETS
E0 - E19	DETAILS
F1 - F65	PLAN & PROFILES
J1 - J32	TRAFFIC SHEETS
M1 - M7	AUTOMATED TRAFFIC RECORDERS
W1 - W3	TEST HOLE LOGS & LOCATIONS

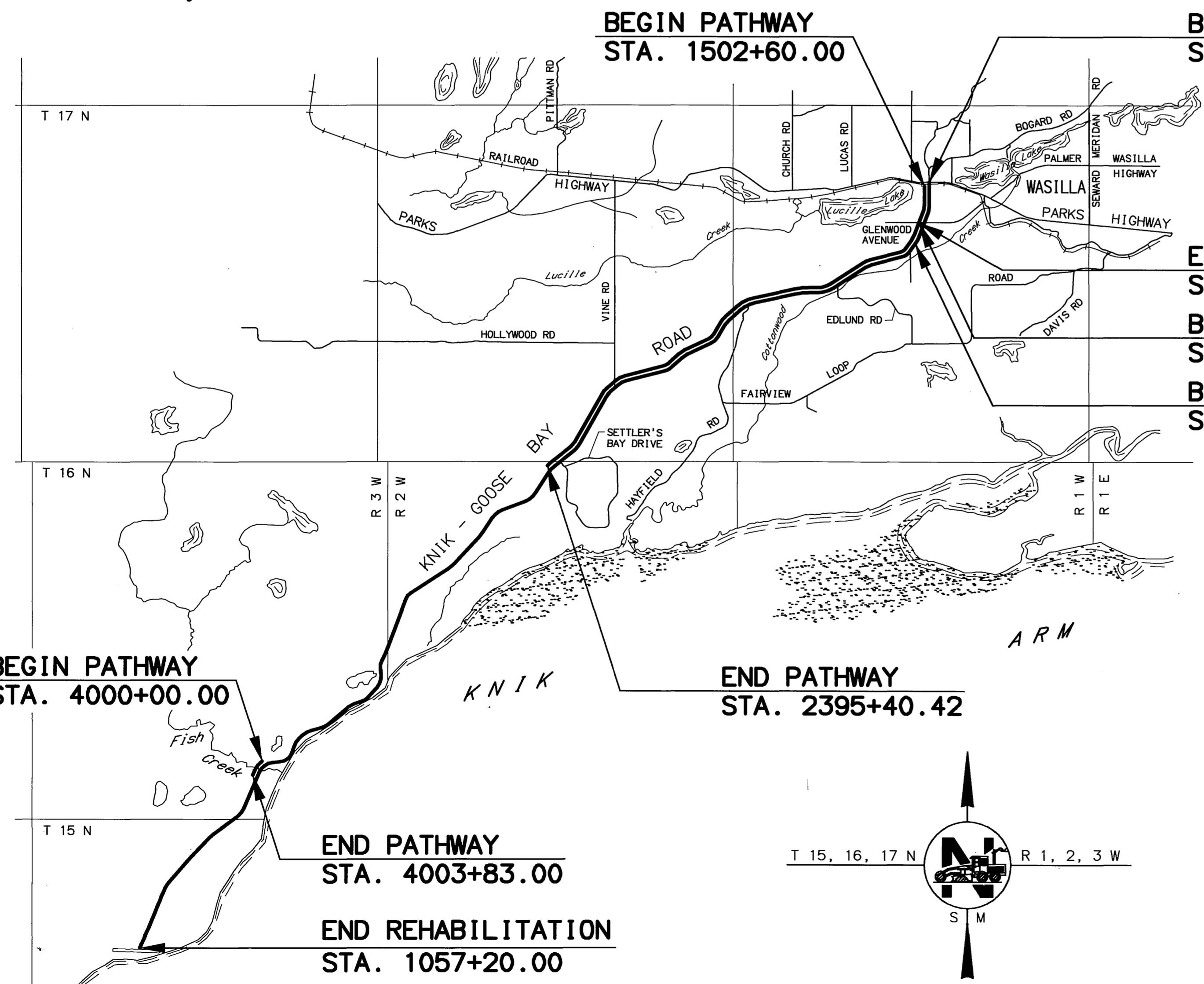
	DESIGN DESIGNATIONS				
	GLENWOOD TO FERN	FERN TO FAIRVIEW LOOP	FAIRVIEW LOOP TO SETTLERS BAY DRIVE	SETTLERS BAY DRIVE TO POINT MACKENZIE	POINT MACKENZIE TO GOOSE BAY AIRSTRIP
A.A.D.T. 2001	12,950	9,050	4,800	770	100
A.A.D.T. 2021	21,220	14,820	8,660	850	110
V (mph)	55	55	55	55	55
DHV	1,300	910	480	80	10
T (%)	8	7.8	5.8	5.8	5.8
D. (%)	60/40	60/40	60/40	60/40	60/40

THE FOLLOWING STANDARD DRAWINGS APPLY TO THIS PROJECT:

- A-1
- B-04.00, B-05.00
- C-03.10, C-04.11, C-05.10
- D-01.02, D-04.20, D-06.10, D-09.00, D-10.02
- E-13.00
- F-01.01
- G-00.01, G-01.02, G-04.06S, G-04.07W, G-10.01, G-20.01, G-25.20W
- L-23.01
- M-13.01, M-16.01
- S-05.01, S-20.00, S-30.03
- T-05.00, T-20.01, T-21.02, T-22.03

PROJECT ENGINEER: JOHN WAISANEN, 2003
DAVE FILUCCI, L.S., P.E.; 2004-2005
CONTRACTOR: QUALITY ASPHALT PAVING
BEGIN DATE: AUGUST 4, 2003
END DATE: JUNE 30, 2005

PROJECT SUMMARY		
SECTION	LENGTH (MI.)	WIDTH (FT.)
KNIK-GOOSE BAY ROAD STA. 63+59 TO STA. 240+60	3.36	36
KNIK-GOOSE BAY ROAD STA. 240+60 TO STA. 988+94	14.17	32
KNIK-GOOSE BAY ROAD STA. 988+94 TO STA. 1057+20	1.29	28
PATHWAY STA. 1502+60 TO STA. 1538+89	0.69	10
PATHWAY STA. 2000+00 TO STA. 2395+40	7.49	10
PATHWAY STA. 4000+00 TO STA. 4003+83	0.07	12



DESIGNED BY: [] CHECKED BY: [] DRAFTED BY: []
 PLOT DATE: [] PLOT SCALE: [] PLOT VIEW: []
 XREF: []
 SCALE 1:1 COMPUTER DESIGNATION: AUTOCAD-PATH/WANESSA-5822REV1-TITLE-KGB.DWG 04/24/2003 PLAS/DF

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES

APPROVED: *John R. Heenan* 4/25/03
REGIONAL PRE-CONSTRUCTION ENGINEER DATE

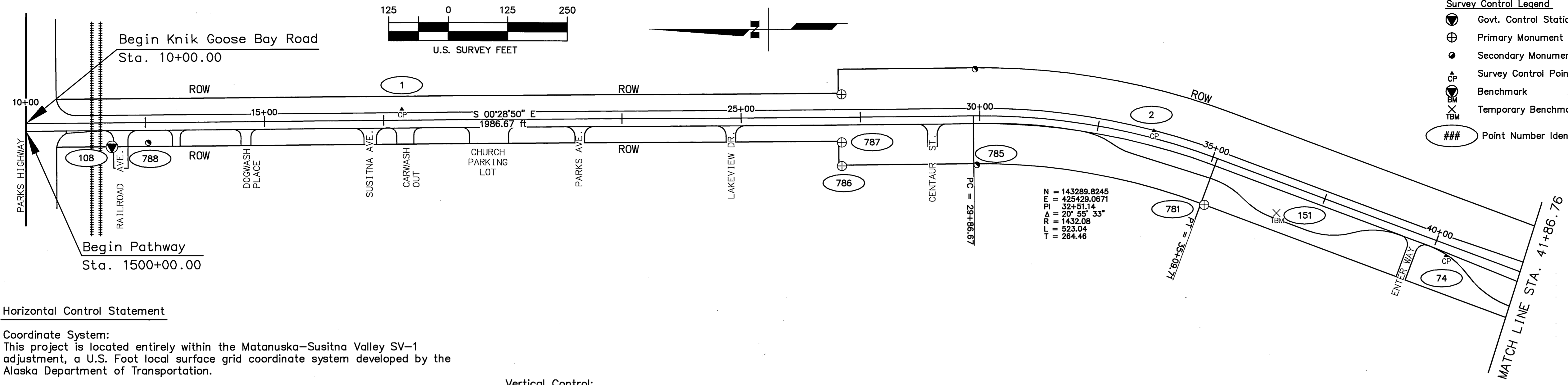
CONCUR: *Thomas A. Young* 4/25/03
DIRECTOR, CONSTRUCTION & OPERATIONS DATE
CERTIFIED TRUE & CORRECT AS-BUILT OF ACTUAL FIELD CONDITION:

CONSTRUCTION PROJECT MANAGER DATE

SHEET NO.	TOTAL SHEETS	
A2	A9	
STATE	YEAR	
ALASKA	2003	
PROJECT DESIGNATION		
CA-0525(11)/53922		
ADDENDUM NO.		
ATTACHMENT NO.		
REVISIONS		
NO.	DATE	DESCRIPTION

NO MONUMENTS DISTURBED OR REPLACED

- Survey Control Legend**
- Govt. Control Station
 - ⊕ Primary Monument
 - Secondary Monument
 - ⊕ Survey Control Point
 - ⊕ Benchmark
 - ⊕ Temporary Benchmark
 - ### Point Number Identifier



Horizontal Control Statement

Coordinate System:
This project is located entirely within the Matanuska-Susitna Valley SV-1 adjustment, a U.S. Foot local surface grid coordinate system developed by the Alaska Department of Transportation.

Basis of Coordinates:
The Basis of Coordinates is CGS Station S-1, a standard disk set in the top of an eleven inch square monument, flush with the ground, is located approximately 0.05 miles west of the Alaska Railroad station at Wasilla. Said station has SV-1 coordinates of 145,360.5554 N, 425,361.4947 E.

Basis of Bearings:
The Basis of Bearings is a local plane bearing between CHS Station S-1 (1922) and AKDOTPF Station GPS 43 (1989). AKDOTPF Station GPS 43 (1989), a brass disc clamped to the top of a stainless steel rod, is located approximately 4.0 miles west of Wasilla along the road to Wasilla Airport, bears N 87° 26' 59.7" W a distance of 19969.57 U.S. Feet from CGS Station S-1. AKDOTPF Station GPS 43 (1989) has SV-1 coordinates of 146,249.0589 N, 405,411.7053 E.

Translation Parameters:
To convert the local coordinates to NAD83 (92) State Plane U.S. Foot coordinates, translate using +2,624,946.5706 N, +1,312,508.8943 E, and scale using 0.9998990458.

Vertical Control:

NGVD 1929, as determined by level loops performed by AKDOT between the following bench marks;
USC&GS BM S-1 1922, a brass disk in concrete post located near the intersection of the Parks Highway and Knik-Goose Bay Road, has an elevation of 331.94 U.S. Feet.

Point	Station	Offset	Northing	Easting	Elevation	Description
152	66+60	75 Rt.	140192	424058	314.20	BM-MK1: 3.25" AlMon
154	116+59	73 Lt.	138066	419780	295.87	BM-MK2: 3.25" AlMon
156	166+94	99 Rt.	135952	415333	326.09	BM-MK3A: 3.25" AlMon
158	234+59	93 Rt.	134713	408977	303.52	BM-MK4A1: 3.25" AlMon
160	275+63	95 Rt.	131511	406041	315.80	BM-MK5A1: 3.25" AlMon
162	322+74	93 Rt.	129086	402064	285.04	BM-MK6A: 3.25" AlMon
164	384+20	95 Rt.	126623	396544	357.02	BM-MK7A: 3.25" AlMon
166	437+07	102 Lt.	121938	394049	248.81	BM-MK8A (Reset): 2.5" BC w/ Datum Point
176	698+04	103 Rt.	103600	376757	84.91	BM-MK13 'RESET': 2.5" BC w/ Datum Point
182	858+61	101 Rt.	93649	365851	72.57	BM-MK16 RESET: 2.5" BC w/ Datum point

NOTES:

- Whether listed or not, ALL monuments or property markers, corners, or accessories, which will be disturbed or buried, shall be referenced or re-established in their original position (A.S. 19.10.260) and recorded (A.S. 34.65.040).
- Monument symbols shown without point numbers are shown to assist the contractor in identifying corners that shall be preserved.
- Alignment data is shown for Knik Goose Bay Road. Refer to Plan and Profile sheets for bike-path alignment information.
- ROW location is shown for orientation purposes only. Please refer to AKDOT ROW Maps for any ROW information.

Monument Summary Table

Point	Station	Offset	Northing	Easting	Description	642(6)	642(7)	642(9)	Monument of Record Form
108	11+79.91	50.20 Rt.	145360.5551	425361.4961	Fd BC: USC&GS BM S-1	*	*	X	X
788	12+56.21	42.26 Rt.	145284.3236	425370.0735	Fd Rbr: KGB POT 973+55 40'LT	*	*	X	X
786	27+10.42	101.94 Rt.	143829.6628	425322.5955	Fd Conc ROW Mon: KGB ROW 959+00 100'Lt	*	*	X	X
787	27+10.67	52.55 Rt.	143829.8344	425371.9846	Fd Conc ROW Mon: KGB ROW 959+00 50'Lt	*	*	X	X
785	29+93.85	102.37 Rt.	143546.7565	425324.5175	Fd Rbr/PC: KGB PT 956+18.4 100'Lt	*	*	X	X
781	35+17.30	100.61 Rt.	143070.0469	425239.7581	Fd Conc ROW Mon: KGB PC 950+93.4 100'Lt	*	*	X	X
874	55+65.58	100.52 Rt.	141150.7725	424524.3530	Fd AlMon: NE Tr.B-2A Susitna Place Subd	*	*	X	X
780	57+85.28	100.30 Rt.	140944.8343	424447.8115	Fd Conc ROW Mon: KGB PT 928+24.7 100'Lt	*	*	X	X
876	66+29.41	101.25 Rt.	140232.4836	424054.3379	Fd Rbr/PC: PC ROW Frank Smith Way/KGB Rd	*	*	X	X
877	69+62.55	100.69 Rt.	139962.8467	423858.6779	Fd AlMon: S161S15ROW KGB N ROW	*	*	X	X

Vertical Control Points

Point	Station	Offset	Northing	Easting	Elevation	Description
151	36+65	64 Rt.	142919	425223	368.57	TBM-1: RR Spike in 16" Cottonwood
152	66+60	75 Rt.	140192	424058	314.20	BM-MK1: 3.25" AlMon

Work Required	Pay Item No.
Construction surveying	642(1)
Office engineering	642(2)
Three person survey party	642(3)
Set primary monument	642(4)
Set secondary monument	642(5)
Replace existing with primary monument	642(6)
Replace existing with secondary monument	642(7)
Adjust existing monument	642(8)
Reference existing monument	642(9)
Monument case	642(10)
Adjust existing monument case	642(11)
Final traverse	642(12)

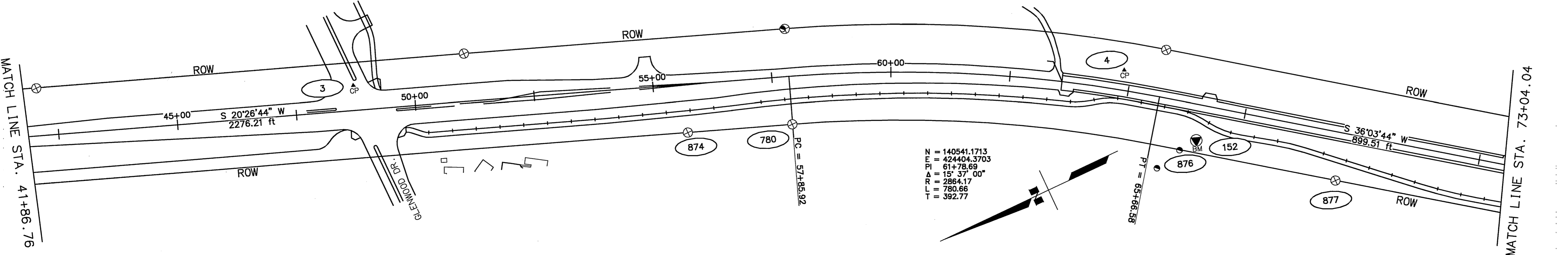
Horizontal Control Points

Point	Station	Offset	Northing	Easting	Description
109	XXX	XXX	145574.6547	426091.9355	Fd Rbr/PC: TS-9 Parks Hwy
108	11+79.91	50.20 Lt.	145360.5551	425361.4961	Fd BC: USC&GS BM S-1
1	17+88.19	22.79 Lt.	144752.9067	425439.5871	Set Rbr/AC: TS KGB-1
2	33+65.35	15.01 Lt.	143175.7953	425394.7384	Set Rbr/AC: TS KGB-2
74	40+29.25	23.13 Rt.	142563.2831	425133.5326	Set Rbr/AC: TS KGB-2A
3	48+73.22	52.23 Lt.	141746.1578	424909.3254	Set Rbr/AC: TS KGB-3
4	64+84.40	41.89 Lt.	140267.1135	424255.1430	Set Rbr/AC: TS KGB-4

Surveyor's Certificate

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

(Surv Name) (Surv Number) (Date)

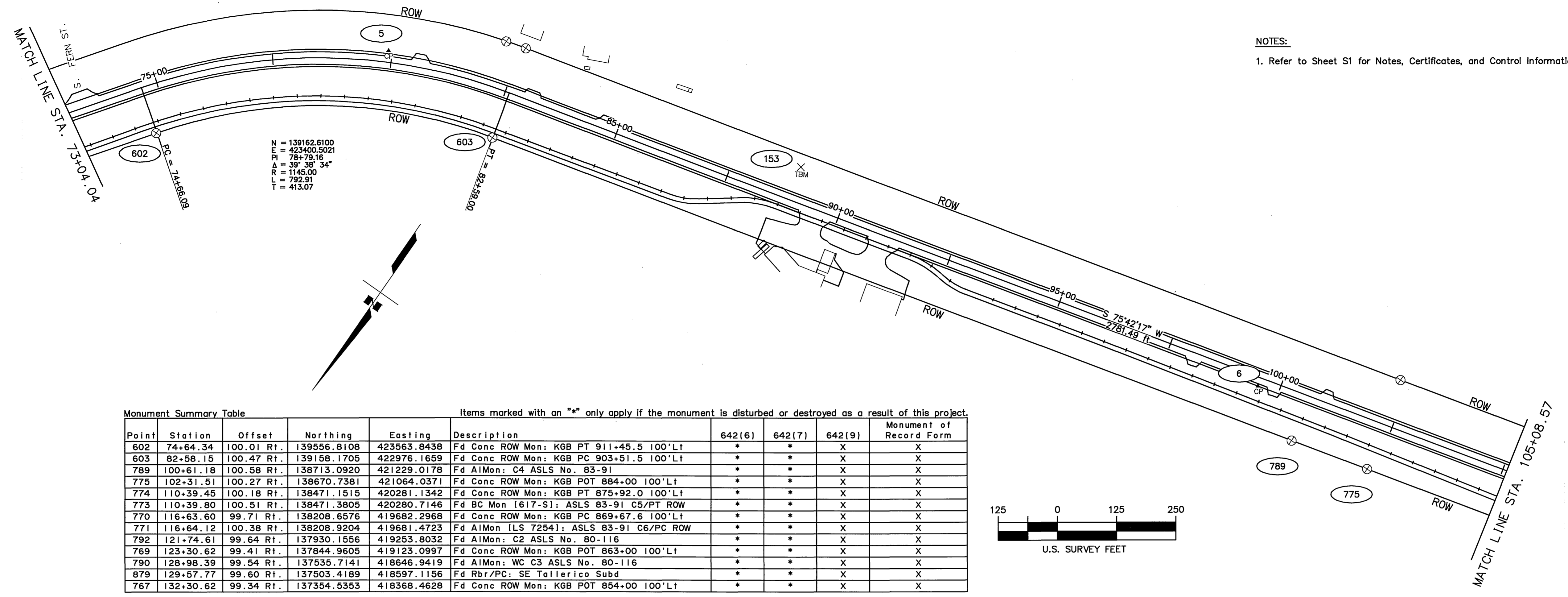


STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
**Knik Goose Bay Road
Rehabilitation
and Pathway**
Survey Control Sheet

SPECIFICATIONS: 03/11/2003
 SCALE: 1"=100'
 COMPUTER DESIGNATION: 03/11/2003
 DESIGNED BY: MEA
 CHECKED BY: RMC
 DRAFTED BY: RMC
 VIEW:

SHEET NO.	TOTAL SHEETS	
A3	A9	
STATE	YEAR	
ALASKA	2003	
PROJECT DESIGNATION		
CA-0525(11)/53922		
ADDENDUM NO.		
ATTACHMENT NO.		
REVISIONS		
NO.	DATE	DESCRIPTION

NOTES:
1. Refer to Sheet S1 for Notes, Certificates, and Control Information.



Monument Summary Table Items marked with an "*" only apply if the monument is disturbed or destroyed as a result of this project.

Point	Station	Offset	Northing	Easting	Description	642(6)	642(7)	642(9)	Monument of Record Form
602	74+64.34	100.01 Rt.	139556.8108	423563.8438	Fd Conc ROW Mon: KGB PT 911+45.5 100' Lt	*	*	X	X
603	82+58.15	100.47 Rt.	139158.1705	422976.1659	Fd Conc ROW Mon: KGB PC 903+51.5 100' Lt	*	*	X	X
789	100+61.18	100.58 Rt.	138713.0920	421229.0178	Fd AlMon: C4 ASLS No. 83-91	*	*	X	X
775	102+31.51	100.27 Rt.	138670.7381	421064.0371	Fd Conc ROW Mon: KGB POT 884+00 100' Lt	*	*	X	X
774	110+39.45	100.18 Rt.	138471.1515	420281.1342	Fd Conc ROW Mon: KGB PT 875+92.0 100' Lt	*	*	X	X
773	110+39.80	100.51 Rt.	138471.3805	420280.7146	Fd BC Mon [617-S]: ASLS 83-91 C5/PT ROW	*	*	X	X
770	116+63.60	99.71 Rt.	138208.6576	419682.2968	Fd Conc ROW Mon: KGB PC 869+67.6 100' Lt	*	*	X	X
771	116+64.12	100.38 Rt.	138208.9204	419681.4723	Fd AlMon [LS 7254]: ASLS 83-91 C6/PC ROW	*	*	X	X
792	121+74.61	99.64 Rt.	137930.1556	419253.8032	Fd AlMon: C2 ASLS No. 80-116	*	*	X	X
769	123+30.62	99.41 Rt.	137844.9605	419123.0997	Fd Conc ROW Mon: KGB POT 863+00 100' Lt	*	*	X	X
790	128+98.39	99.54 Rt.	137635.7141	418646.9419	Fd AlMon: WC C3 ASLS No. 80-116	*	*	X	X
879	129+57.77	99.60 Rt.	137503.4189	418597.1156	Fd Rbr/PC: SE Tallierico Subd	*	*	X	X
767	132+30.62	99.34 Rt.	137354.5353	418368.4628	Fd Conc ROW Mon: KGB POT 854+00 100' Lt	*	*	X	X

Horizontal Control Points

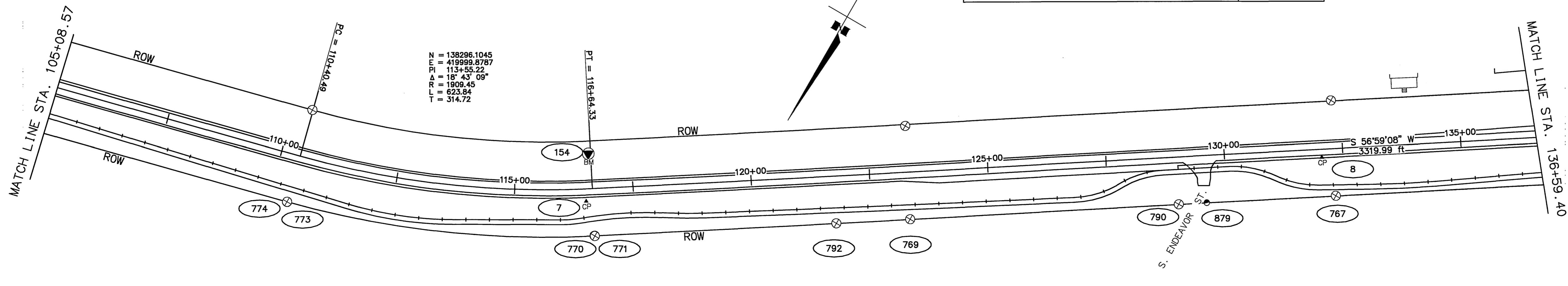
Point	Station	Offset	Northing	Easting	Description
5	79+91.34	24.34 Lt.	139134.7080	423260.8726	Set Rbr/AC: TS KGB-5
6	99+54.24	18.17 Rt.	138659.6384	421352.9900	Set Rbr/AC: TS KGB-6
7	116+49.70	25.89 Rt.	138154.3746	419734.3341	Set Rbr/AC: TS KGB-7
8	132+05.44	17.00 Rt.	137299.2146	418434.4417	Set Rbr/AC: TS KGB-8
129	135+93.10	2188.20 Lt.	135238.8570	419310.8757	FD RBR/PC: TS-29 (EDLUND)

Vertical Control Points

Point	Station	Offset	Northing	Easting	Elevation	Description
153	88+89	73 Lt.	138834	422408	301.49	TBM-2: RR Spike in 8" Poplar
154	116+59	73 Lt.	138066	419780	295.87	BM-MK2: 3.25" AlMon

- Survey Control Legend
- ⊙ Govt. Control Station
 - ⊕ Primary Monument
 - Secondary Monument
 - ⊙ CP Survey Control Point
 - ⊙ BM Benchmark
 - ⊙ X TBM Temporary Benchmark
 - ### Point Number Identifier

Work Required	Pay Item No.
Construction surveying	642(1)
Office engineering	642(2)
Three person survey party	642(3)
Set primary monument	642(4)
Set secondary monument	642(5)
Replace existing with primary monument	642(6)
Replace existing with secondary monument	642(7)
Adjust existing monument	642(8)
Reference existing monument	642(9)
Monument case	642(10)
Adjust existing monument case	642(11)
Final traverse	642(12)



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

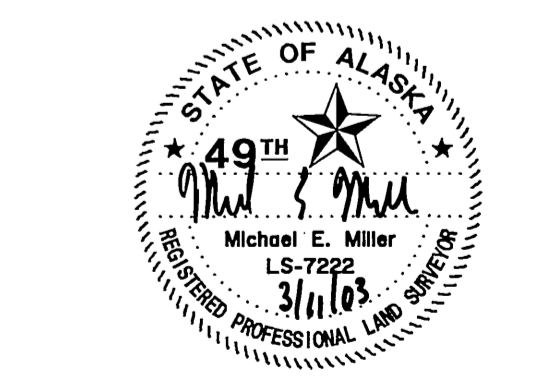
Knik Goose Bay Road
Rehabilitation
and Pathway

Survey Control Sheet

DESIGNED BY: MEW
 CHECKED BY: RUK
 DRAFTED BY: RUK
 DATE: 03/11/2003
 SCALE: 1"=250'
 COMPUTER DESIGNATION: V10W

SHEET NO.	TOTAL SHEETS	
A4	A9	
STATE	YEAR	
ALASKA	2003	
PROJECT DESIGNATION		
CA-0525(11)/53922		
ADDENDUM NO.		
ATTACHMENT NO.		
REVISIONS		
NO.	DATE	DESCRIPTION

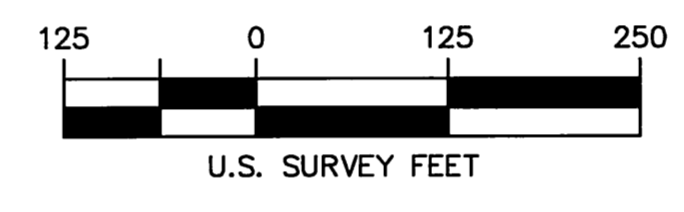
MONUMENTS NOT DISTURBED OR REPLACED



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
Knik Goose Bay Road
Rehabilitation
and Pathway
Survey Control Sheet

NOTES:
1. Refer to Sheet S1 for Notes, Certificates, and Control Information.

- Survey Control Legend
- ⊕ Govt. Control Station
 - ⊕ Primary Monument
 - Secondary Monument
 - ⊕ Survey Control Point
 - ⊕ Benchmark
 - ⊕ Temporary Benchmark
 - ### Point Number Identifier



N = 135847.2680
E = 416231.0810
PI = 158+44.12
Δ = 33° 25' 07"
R = 2864.17
L = 1870.57
T = 859.80

N = 135862.3722
E = 414089.5736
PI = 179+36.65
Δ = 12° 18' 27"
R = 5729.98
L = 1230.83
T = 617.79

Monument Summary Table

Items marked with an "*" only apply if the monument is disturbed or destroyed as a result of this project.

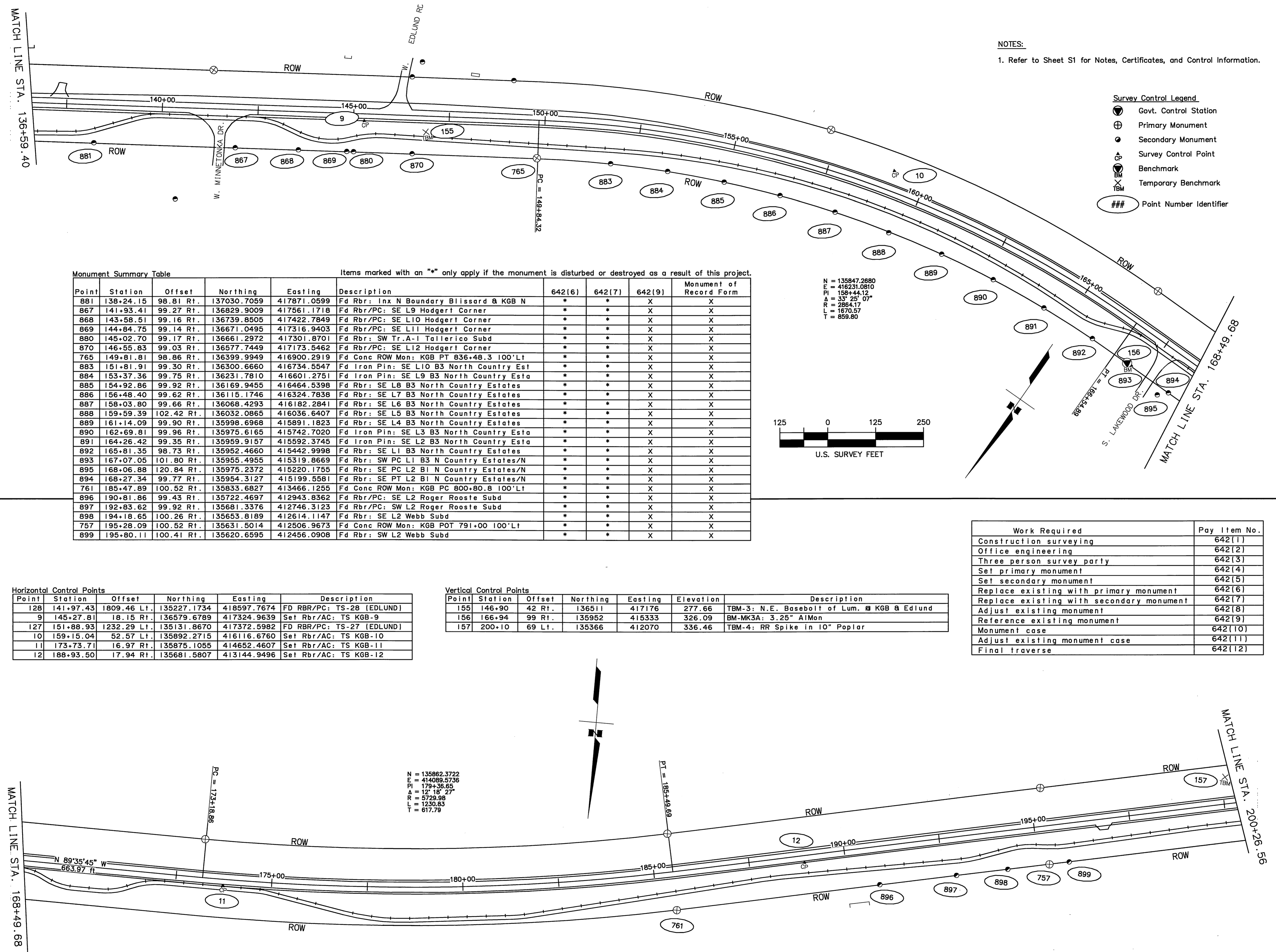
Point	Station	Offset	Northing	Easting	Description	642(6)	642(7)	642(9)	Monument of Record Form
881	138+24.15	98.81 Rt.	137030.7059	417871.0599	Fd Rbr: Inx N Boundary Blissard & KGB N	*	*	X	X
867	141+93.41	99.27 Rt.	136829.9009	417561.1718	Fd Rbr/PC: SE L9 Hodgerl Corner	*	*	X	X
868	143+58.51	99.16 Rt.	136739.8505	417422.7849	Fd Rbr/PC: SE L10 Hodgerl Corner	*	*	X	X
869	144+84.75	99.14 Rt.	136671.0495	417316.9403	Fd Rbr/PC: SE L11 Hodgerl Corner	*	*	X	X
880	145+02.70	99.17 Rt.	136661.2972	417301.8701	Fd Rbr: SW Tr. A-1 Tallerico Subd	*	*	X	X
870	146+55.83	99.03 Rt.	136577.7449	417173.5462	Fd Rbr/PC: SE L12 Hodgerl Corner	*	*	X	X
765	149+81.81	98.86 Rt.	136399.9949	416900.2919	Fd Conc ROW Mon: KGB PT 836+48.3 100'Lt	*	*	X	X
883	151+81.91	99.30 Rt.	136300.6660	416734.5547	Fd Iron Pin: SE L10 B3 North Country Est	*	*	X	X
884	153+37.36	99.75 Rt.	136231.7810	416601.2751	Fd Iron Pin: SE L9 B3 North Country Esta	*	*	X	X
885	154+92.86	99.92 Rt.	136169.9455	416464.5398	Fd Rbr: SE L8 B3 North Country Estates	*	*	X	X
886	156+48.40	99.62 Rt.	136115.1746	416324.7838	Fd Rbr: SE L7 B3 North Country Estates	*	*	X	X
887	158+03.80	99.66 Rt.	136068.4293	416182.2841	Fd Rbr: SE L6 B3 North Country Estates	*	*	X	X
888	159+59.39	102.42 Rt.	136032.0865	416036.6407	Fd Rbr: SE L5 B3 North Country Estates	*	*	X	X
889	161+14.09	99.90 Rt.	135998.6968	415891.1823	Fd Rbr: SE L4 B3 North Country Estates	*	*	X	X
890	162+69.81	99.96 Rt.	135975.6165	415742.7020	Fd Iron Pin: SE L3 B3 North Country Esta	*	*	X	X
891	164+26.42	99.35 Rt.	135959.9157	415592.3745	Fd Iron Pin: SE L2 B3 North Country Esta	*	*	X	X
892	165+81.35	98.73 Rt.	135952.4660	415442.9998	Fd Rbr: SE L1 B3 North Country Estates	*	*	X	X
893	167+07.05	101.80 Rt.	135955.4955	415319.8669	Fd Rbr: SW PC L1 B3 N Country Estates/N	*	*	X	X
895	168+06.88	120.84 Rt.	135975.2372	415220.1755	Fd Rbr: SE PC L2 B1 N Country Estates/N	*	*	X	X
894	168+27.34	99.77 Rt.	135954.3127	415199.5581	Fd Rbr: SE PT L2 B1 N Country Estates/N	*	*	X	X
761	185+47.89	100.52 Rt.	135833.6827	413466.1255	Fd Conc ROW Mon: KGB PC 800+80.8 100'Lt	*	*	X	X
896	190+81.86	99.43 Rt.	135722.4697	412943.8362	Fd Rbr/PC: SE L2 Roger Rooste Subd	*	*	X	X
897	192+83.62	99.92 Rt.	135681.3376	412746.3123	Fd Rbr/PC: SW L2 Roger Rooste Subd	*	*	X	X
898	194+18.65	100.26 Rt.	135653.8189	412614.1147	Fd Rbr: SE L2 Webb Subd	*	*	X	X
757	195+28.09	100.52 Rt.	135631.5014	412506.9673	Fd Conc ROW Mon: KGB POT 791+00 100'Lt	*	*	X	X
899	195+80.11	100.41 Rt.	135620.6595	412456.0908	Fd Rbr: SW L2 Webb Subd	*	*	X	X

Horizontal Control Points

Point	Station	Offset	Northing	Easting	Description
128	141+97.43	1809.46 Lt.	135227.1734	418597.7674	FD RBR/PC: TS-28 (EDLUND)
9	145+27.81	18.15 Rt.	136579.6789	417324.9639	Set Rbr/AC: TS KGB-9
127	151+88.93	1232.29 Lt.	135131.8670	417372.5982	FD RBR/PC: TS-27 (EDLUND)
10	159+15.04	52.57 Lt.	135892.2715	416116.6760	Set Rbr/AC: TS KGB-10
11	173+73.71	16.97 Rt.	135875.1055	414652.4607	Set Rbr/AC: TS KGB-11
12	188+93.50	17.94 Rt.	135681.5807	413144.9496	Set Rbr/AC: TS KGB-12

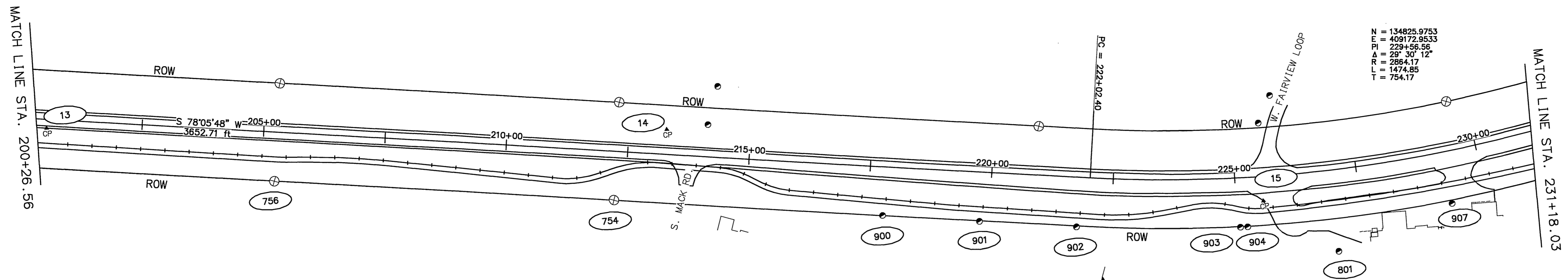
Vertical Control Points

Point	Station	Offset	Northing	Easting	Elevation	Description
155	146+90	42 Rt.	136511	417176	277.66	TBM-3: N.E. Basebolt of Lum. & KGB & Edlund
156	166+94	99 Rt.	135952	416333	326.09	BM-MK3A: 3.25" AlMon
157	200+10	69 Lt.	135366	412070	336.46	TBM-4: RR Spike in 10" Poplar



DESIGNED BY: MEW
 CHECKED BY: RMC
 DRAFTED BY: RMC
 03/11/2003
 03/11/2003
 SPECIFICATIONS
 SCALE: 1"=250'
 COMPUTER DESIGNATION

SHEET NO.	TOTAL SHEETS	
A5	A9	
STATE	YEAR	
ALASKA	2003	
PROJECT DESIGNATION		
CA-0525(11)/53922		
ADDENDUM NO.		
ATTACHMENT NO.		
REVISIONS		
NO.	DATE	DESCRIPTION

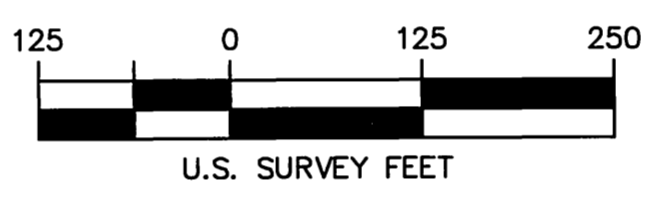


N = 134825.9753
 E = 409172.8533
 PI = 229+56.56
 A = 29° 30' 12"
 R = 2864.17
 L = 1474.85
 T = 754.17

Monument Summary Table Items marked with an "*" only apply if the monument is disturbed or destroyed as a result of this project.

Point	Station	Offset	Northing	Easting	Description	642(6)	642(7)	642(9)	Monument of Record Form
756	205+27.37	100.42 Rt.	135425.2862	411529.1966	Fd Conc ROW Mon: KGB POT 781+00 100'Lt	*	*	X	X
754	212+27.39	99.89 Rt.	135280.3850	410844.3430	Fd Conc ROW Mon: KGB POT 774+00 100'Lt	*	*	X	X
900	217+80.36	99.75 Rt.	135166.1854	410303.2916	Fd Rbr: SE L3 BI Cheryl Subd	*	*	X	X
901	219+79.99	101.16 Rt.	135126.3944	410107.6640	Fd Rbr: SE L4 BI Cheryl Subd	*	*	X	X
902	221+79.88	102.01 Rt.	135085.9939	409911.8915	Fd Rbr: SE L5 BI Cheryl Subd	*	*	X	X
903	225+06.70	101.28 Rt.	134999.4072	409585.7530	Fd Rbr/PC: SW L5 BI Cheryl Subd	*	*	X	X
904	225+21.21	101.24 Rt.	134994.6942	409571.4889	Fd Rbr/PC: Angle Point S Line L6 BI Cher	*	*	X	X
801	226+95.35	166.80 Rt.	134993.8596	409377.8128	Fd Rbr/PC: NW 1/16 S19 T17N RIW	*	*	X	X
907	229+29.55	107.11 Rt.	134839.2156	409178.2404	Fd Rbr/PC: SE Tr.5B 1st Add Church Subd	*	*	X	X
751	236+70.30	99.07 Rt.	134406.2253	408547.1819	Fd Conc ROW Mon: KGB PC 749+89.7 100'Lt	*	*	X	X
605	244+59.27	100.60 Rt.	133885.4009	407954.2313	Fd Conc ROW Mon: KGB POT 742+00 100'Lt	*	*	X	X
912	245+37.35	100.89 Rt.	133833.9708	407895.4805	Fd Rbr: SW L4 B7 Donovan Estates	*	*	X	X
750	250+13.77	101.53 Rt.	133519.3527	407537.7223	Fd Conc ROW Mon: KGB PT 736+45.2 100'Lt	*	*	X	X
913	250+69.60	101.72 Rt.	133480.1130	407494.1214	Fd Rbr: SW L7 B7 Donovan Estates	*	*	X	X
914	252+36.80	101.93 Rt.	133354.6601	407370.5963	Fd Rbr: E'most L8 B7 Donovan Estates	*	*	X	X
918	253+69.58	102.60 Rt.	133247.9267	407280.1950	Fd Rbr: E'most L12 B7 Donovan Estates	*	*	X	X
604	256+22.73	101.35 Rt.	133027.0460	407131.5765	Fd Conc ROW Mon: KGB PC 730+35.8 100'Lt	*	*	X	X
919	260+35.84	100.97 Rt.	132671.0598	406921.9775	Fd Rbr: S'most L17 B7 Donovan Estates	*	*	X	X

Work Required	Pay Item No.
Construction surveying	642(1)
Office engineering	642(2)
Three person survey party	642(3)
Set primary monument	642(4)
Set secondary monument	642(5)
Replace existing with primary monument	642(6)
Replace existing with secondary monument	642(7)
Adjust existing monument	642(8)
Reference existing monument	642(9)
Monument case	642(10)
Adjust existing monument case	642(11)
Final traverse	642(12)



NOTES:
 1. Refer to Sheet S1 for Notes, Certificates, and Control Information.

MONUMENTS NOT DISTURBED OR REPLACED

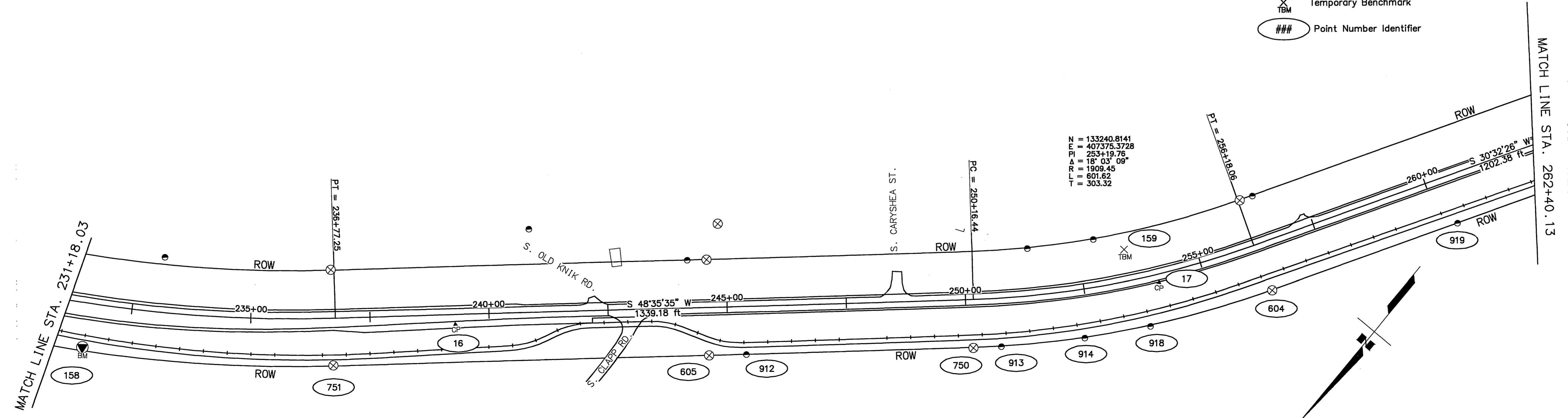
Horizontal Control Points

Point	Station	Offset	Northing	Easting	Description
13	200+53.62	17.99 Rt.	135442.3485	412009.7626	Set Rbr/AC: TS KGB-13
14	213+27.46	50.93 Lt.	135112.1589	410777.5334	Set Rbr/AC: TS KGB-14
15	225+55.57	49.82 Rt.	134934.7036	409554.4909	Set Rbr/AC: TS KGB-15
16	239+28.30	20.56 Rt.	134176.5430	408405.4145	Set Rbr/AC: TS KGB-16
17	254+06.12	17.17 Rt.	133166.0706	407325.1037	Set Rbr/AC: TS KGB-17

Vertical Control Points

Point	Station	Offset	Northing	Easting	Elevation	Description
158	234+59	93 Rt.	134713	408977	303.52	BM-MK4A1: 3.25" AlMon
159	253+48	66 Lt.	133160	407425	330.26	TBM-5: RR Spike in 6" Birch

- Survey Control Legend
- ⊕ Govt. Control Station
 - ⊕ Primary Monument
 - Secondary Monument
 - ⊕ Survey Control Point
 - ⊕ Benchmark
 - ⊕ Temporary Benchmark
 - ### Point Number Identifier



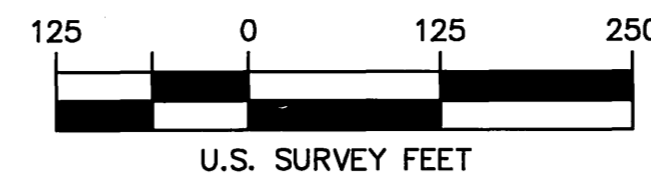
N = 133240.8141
 E = 407375.3728
 PI = 253+19.75
 A = 18° 03' 08"
 R = 1909.45
 L = 601.62
 T = 303.32

DESIGNED BY: MEI
 CHECKED BY: RMK
 DRAFTED BY: MEI
 DATE: 03/11/2003
 SCALE: 1"=250'
 COMPUTER DESIGNATION: VIEW-

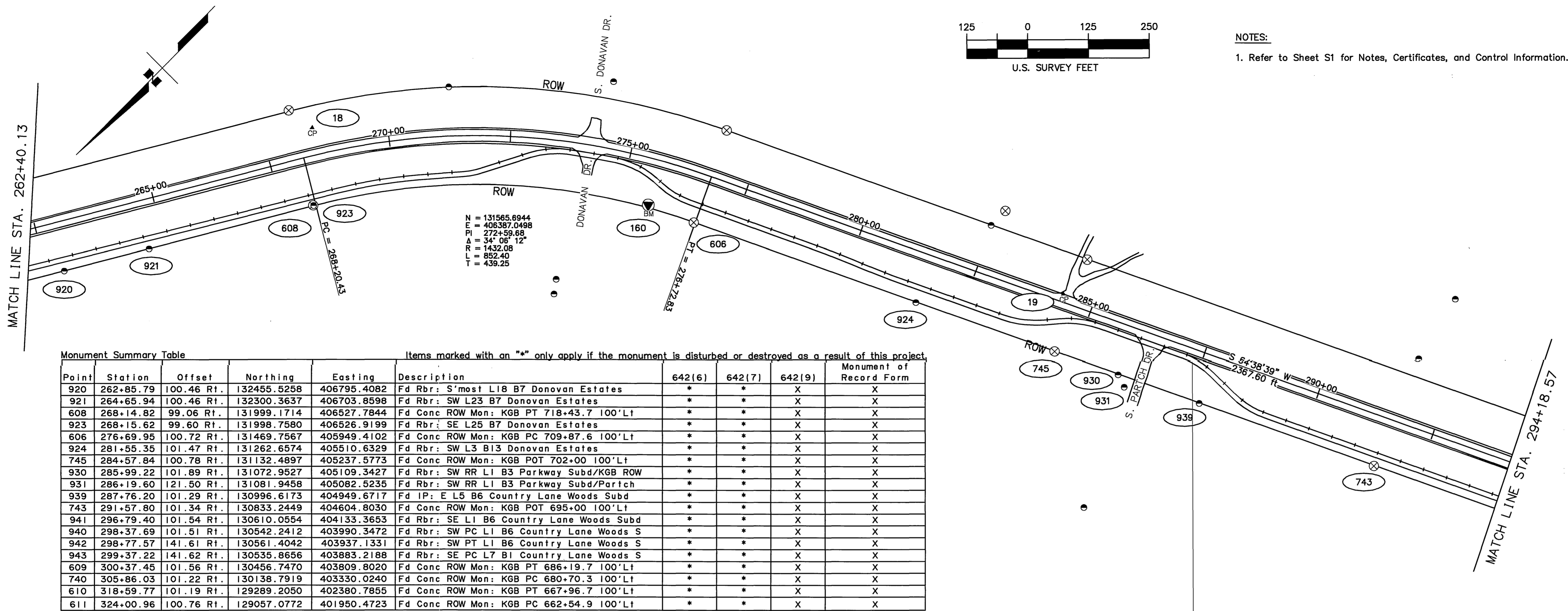


STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 Knik Goose Bay Road
 Rehabilitation
 and Pathway
 Survey Control Sheet

SHEET NO.	TOTAL SHEETS	
A6	A9	
STATE	YEAR	
ALASKA	2003	
PROJECT DESIGNATION		
CA-0525(11)/53922		
ADDENDUM NO.		
ATTACHMENT NO.		
REVISIONS		
NO.	DATE	DESCRIPTION



NOTES:
1. Refer to Sheet S1 for Notes, Certificates, and Control Information.



Monument Summary Table

Items marked with an "*" only apply if the monument is disturbed or destroyed as a result of this project.

Point	Station	Offset	Northing	Easting	Description	642(6)	642(7)	642(9)	Monument of Record Form
920	262+85.79	100.46 Rt.	132455.5258	406795.4082	Fd Rbr: S'most L18 B7 Donovan Estates	*	*	X	X
921	264+65.94	100.46 Rt.	132300.3637	406703.8598	Fd Rbr: SW L23 B7 Donovan Estates	*	*	X	X
608	268+14.82	99.06 Rt.	131999.1714	406527.7844	Fd Conc ROW Mon: KGB PT 718+43.7 100' Lt	*	*	X	X
923	268+15.62	99.60 Rt.	131998.7580	406526.9199	Fd Rbr: SE L25 B7 Donovan Estates	*	*	X	X
606	276+69.95	100.72 Rt.	131469.7567	405949.4102	Fd Conc ROW Mon: KGB PC 709+87.6 100' Lt	*	*	X	X
924	281+55.35	101.47 Rt.	131262.6574	405510.6329	Fd Rbr: SW L3 B13 Donovan Estates	*	*	X	X
745	284+57.84	100.78 Rt.	131132.4897	405237.5773	Fd Conc ROW Mon: KGB POT 702+00 100' Lt	*	*	X	X
930	285+99.22	101.89 Rt.	131072.9527	405109.3427	Fd Rbr: SW RR L1 B3 Parkway Subd/KGB ROW	*	*	X	X
931	286+19.60	121.50 Rt.	131081.9458	405082.5235	Fd Rbr: SW RR L1 B3 Parkway Subd/Parich	*	*	X	X
939	287+76.20	101.29 Rt.	130996.6173	404949.6717	Fd IP: E L5 B6 Country Lane Woods Subd	*	*	X	X
743	291+57.80	101.34 Rt.	130833.2449	404604.8030	Fd Conc ROW Mon: KGB POT 695+00 100' Lt	*	*	X	X
941	296+79.40	101.54 Rt.	130610.0554	404133.3653	Fd Rbr: SE L1 B6 Country Lane Woods Subd	*	*	X	X
940	298+37.69	101.51 Rt.	130542.2412	403990.3472	Fd Rbr: SW PC L1 B6 Country Lane Woods S	*	*	X	X
942	298+77.57	141.61 Rt.	130561.4042	403937.1331	Fd Rbr: SW PT L1 B6 Country Lane Woods S	*	*	X	X
943	299+37.22	141.62 Rt.	130535.8656	403883.2188	Fd Rbr: SE PC L7 B1 Country Lane Woods S	*	*	X	X
609	300+37.45	101.56 Rt.	130456.7470	403809.8020	Fd Conc ROW Mon: KGB PT 686+19.7 100' Lt	*	*	X	X
740	305+86.03	101.22 Rt.	130138.7919	403330.0240	Fd Conc ROW Mon: KGB PC 680+70.3 100' Lt	*	*	X	X
610	318+59.77	101.19 Rt.	129289.2050	402380.7855	Fd Conc ROW Mon: KGB PT 667+96.7 100' Lt	*	*	X	X
611	324+00.96	100.76 Rt.	129057.0772	401950.4723	Fd Conc ROW Mon: KGB PC 662+54.9 100' Lt	*	*	X	X

Horizontal Control Points

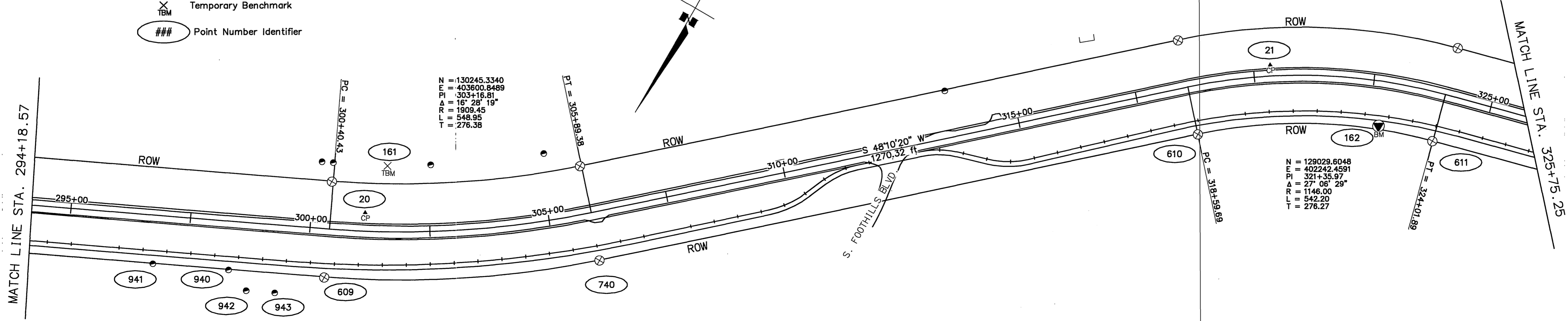
Point	Station	Offset	Northing	Easting	Description
18	268+51.09	55.78 Lt.	131888.3996	406641.8153	Set Rbr/AC: TS KGB-18
19	284+35.13	16.10 Lt.	131036.5936	405308.1546	Set Rbr/AC: TS KGB-19
20	301+13.07	38.53 Lt.	130297.1820	403803.3807	Set Rbr/AC: TS KGB-20
21	320+34.37	23.18 Lt.	129088.2884	402322.4683	Set Rbr/AC: TS KGB-21

Vertical Control Points

Point	Station	Offset	Northing	Easting	Elevation	Description
160	275+63	95 Rt.	131511	406041	315.80	BM-MK5A1: 3.25" AlMon
161	301+59	137 Lt.	130190	403812	304.69	TBM-6: RR Spike in 8" Birch
162	322+74	93 Rt.	129086	402064	285.04	BM-MK6A: 3.25" AlMon

Work Required	Pay Item No.
Construction surveying	642(1)
Office engineering	642(2)
Three person survey party	642(3)
Set primary monument	642(4)
Set secondary monument	642(5)
Replace existing with primary monument	642(6)
Replace existing with secondary monument	642(7)
Adjust existing monument	642(8)
Reference existing monument	642(9)
Monument case	642(10)
Adjust existing monument case	642(11)
Final traverse	642(12)

- Survey Control Legend
- Govt. Control Station
 - ⊕ Primary Monument
 - Secondary Monument
 - ⊕ Survey Control Point
 - ⊕ Benchmark
 - ⊕ Temporary Benchmark
 - ### Point Number Identifier



MONUMENTS NOT DISTURBED OR REPLACED



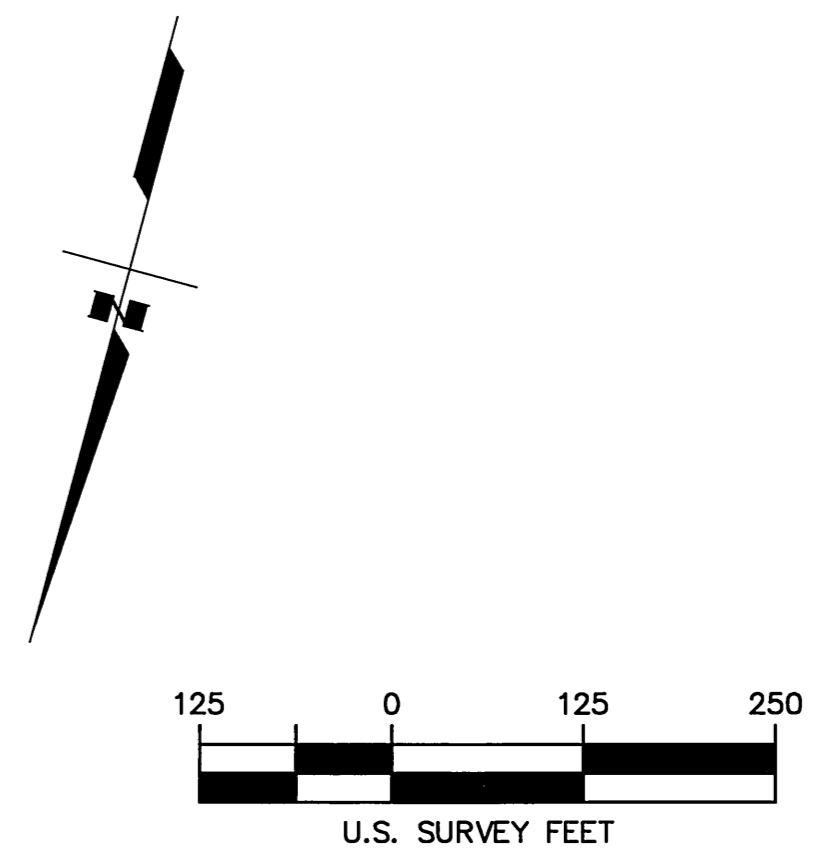
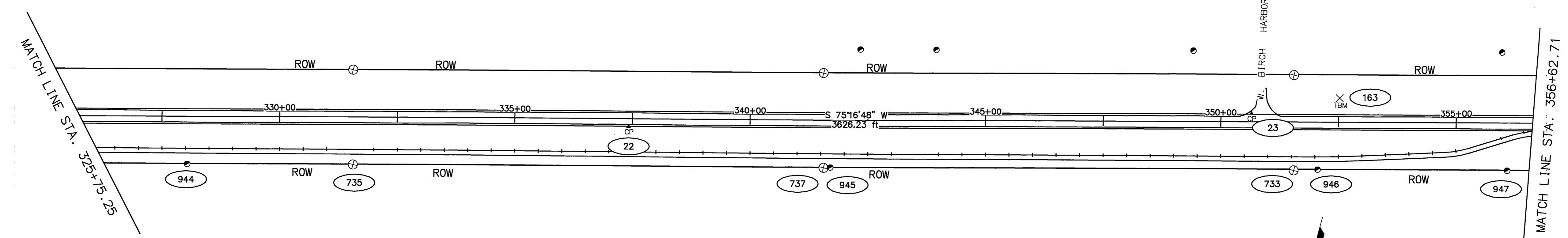
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

Knik Goose Bay Road
Rehabilitation
and Pathway

Survey Control Sheet

SPECIFICATIONS: 03/11/2003
 SCALE: 1"=250'
 COMPUTER DESIGNATION: 03/11/2003
 DESIGNED BY: MEM
 CHECKED BY: IRK
 DRAFTED BY: VIEW

SHEET NO.	TOTAL SHEETS	
A7	A9	
STATE	YEAR	
ALASKA	2003	
PROJECT DESIGNATION		
CA-0525(11)/53922		
ADDENDUM NO.		
ATTACHMENT NO.		
REVISIONS		
NO.	DATE	DESCRIPTION



Monument Summary Table

Items marked with an "*" only apply if the monument is disturbed or destroyed as a result of this project.

Point	Station	Offset	Northing	Easting	Description	642(6)	642(7)	642(9)	Record Form
944	328+03.92	101.04 Rt.	128954.9763	401560.7494	Fd Rbr: SW Tr-B Reliance Subd	*	*	X	X
735	331+55.97	100.80 Rt.	128865.2912	401220.3137	Fd Conc ROW Mon: KGB POT 655+00 100'Lt	*	*	X	X
737	341+56.14	100.86 Rt.	128611.2139	400252.9584	Fd Conc ROW Mon: KGB POT 645+00 100'Lt	*	*	X	X
945	341+70.62	100.23 Rt.	128606.9236	400239.1109	Fd Rbr: SE L26 B5 Birch Harbor Estates U	*	*	X	X
733	351+55.32	102.50 Rt.	128358.9093	399286.1562	Fd Conc ROW Mon: KGB POT 635+00 100'Lt	*	*	X	X
946	352+06.19	100.54 Rt.	128344.0891	399237.4545	Fd Rbr: SE L18 B5 Birch Harbor Estates U	*	*	X	X
947	356+08.76	101.03 Rt.	128242.2711	398847.9677	Fd Rbr: SE L15 B5 Birch Harbor Estates U	*	*	X	X
963	359+38.65	100.65 Rt.	128158.0796	398528.9999	Fd Rbr: SE L14 B6 Birch Harbor Estates U	*	*	X	X
613	360+28.02	100.60 Rt.	128135.3257	398442.5817	Fd Conc ROW Mon: KGB PT 626+26.8 100'Lt	*	*	X	X
964	360+70.53	100.79 Rt.	128123.6591	398399.3843	Fd Rbr: SE L13 B6 Birch Harbor Estates U	*	*	X	X
965	361+90.60	104.53 Rt.	128088.5585	398277.7815	Fd Rbr: SE L12 B6 Birch Harbor Estates U	*	*	X	X
966	363+09.26	106.64 Rt.	128044.8909	398160.4297	Fd Rbr: SE L11 B6 Birch Harbor Estates U	*	*	X	X
967	364+27.87	107.50 Rt.	127992.8710	398046.4916	Fd Rbr: SE L10 B6 Birch Harbor Estates U	*	*	X	X
968	368+43.57	149.65 Rt.	127787.1637	397652.1296	Fd BC Mon: SW PT L9786 Birch Harbor Esta	*	*	X	X
948	380+41.14	151.77 Rt.	126983.5869	396731.7069	Fd Rbr: NE L1 B3 Settlers Bay Subd Unit	*	*	X	X
615	384+22.38	100.54 Rt.	126623.7969	396537.3234	Fd Conc ROW Mon: KGB PC 602+22.3 100'Lt	*	*	X	X

Work Required	Pay Item No.
Construction surveying	642(1)
Office engineering	642(2)
Three person survey party	642(3)
Set primary monument	642(4)
Set secondary monument	642(5)
Replace existing with primary monument	642(6)
Replace existing with secondary monument	642(7)
Adjust existing monument	642(8)
Reference existing monument	642(9)
Monument case	642(10)
Adjust existing monument case	642(11)
Final traverse	642(12)

MONUMENTS NOT DISTURBED OR REPLACED

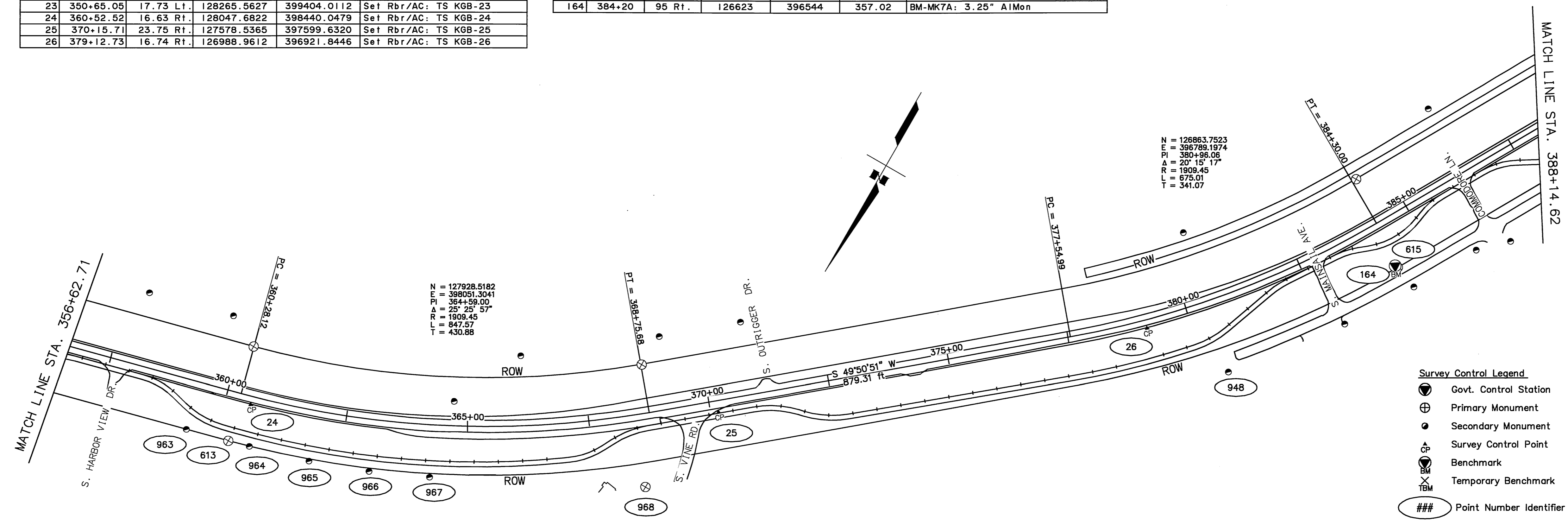
Horizontal Control Points

Point	Station	Offset	Northing	Easting	Description
22	337+41.49	16.61 Rt.	128635.0879	400675.4001	Set Rbr/AC: TS KGB-22
23	350+65.05	17.73 Lt.	128265.5627	399404.0112	Set Rbr/AC: TS KGB-23
24	360+52.52	16.63 Rt.	128047.6822	398440.0479	Set Rbr/AC: TS KGB-24
25	370+15.71	23.75 Rt.	127578.5365	397599.6320	Set Rbr/AC: TS KGB-25
26	379+12.73	16.74 Rt.	126988.9612	396921.8446	Set Rbr/AC: TS KGB-26

Vertical Control Points

Point	Station	Offset	Northing	Easting	Elevation	Description
163	352+52	51 Lt.	128186	399231	295.57	TBM-7: RR Spike in 8" Birch
164	384+20	95 Rt.	126623	396544	357.02	BM-MK7A: 3.25" AlMon

NOTES:
1. Refer to Sheet S1 for Notes, Certificates, and Control Information.



- Survey Control Legend
- Govt. Control Station
 - ⊕ Primary Monument
 - Secondary Monument
 - ⊕ Survey Control Point
 - ⊕ Benchmark
 - ⊕ Temporary Benchmark
 - ### Point Number Identifier



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

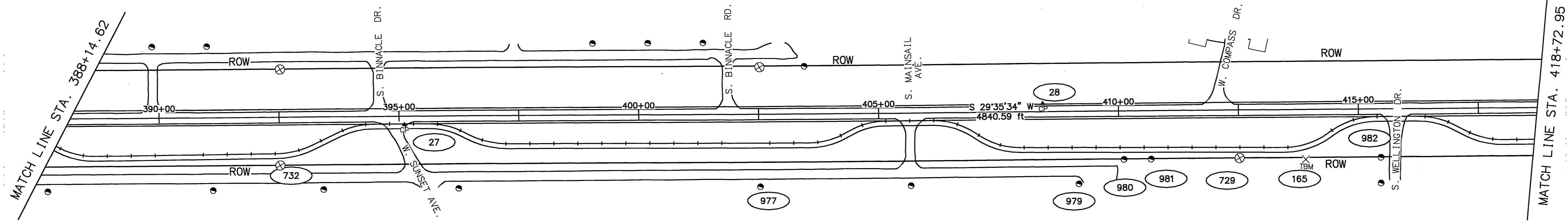
**Knik Goose Bay Road
Rehabilitation
and Pathway**

Survey Control Sheet

DESIGNED BY: MEM 03/11/2003
CHECKED BY: RMK 03/11/2003
VIEWS: VIEWS

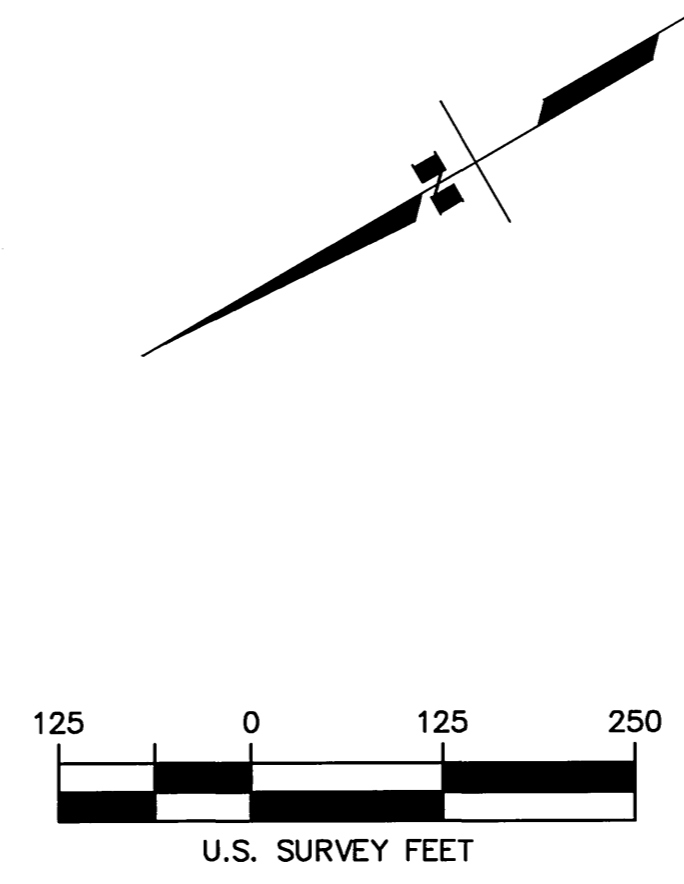
SPECIFICATIONS: SCALE 1"=250'
COMPUTER DESIGNATION

SHEET NO.	TOTAL SHEETS	
A8	A9	
STATE	YEAR	
ALASKA	2003	
PROJECT DESIGNATION		
CA-0525(11)/53922		
ADDENDUM NO.		
ATTACHMENT NO.		
REVISIONS		
NO.	DATE	DESCRIPTION



Monument Summary Table Items marked with an "*" only apply if the monument is disturbed or destroyed as a result of this project.

Point	Station	Offset	Northing	Easting	Description	642(6)	642(7)	642(9)	Monument of Record Form
732	392+52.14	100.43 Rt.	125901.8748	396127.4427	Fd Conc ROW Mon: KGB POT 594+00 100' Lt	*	*	X	X
977	402+52.85	150.86 Rt.	125056.6068	395589.4037	Fd Rbr: PC E Line L10 B4 Settlers Bay Un	*	*	X	X
979	409+16.71	150.93 Rt.	124479.3767	395261.6100	Fd Rbr/PC: S'most L15 B4 Settlers Bay Un	*	*	X	X
980	410+10.65	100.76 Rt.	124372.9205	395258.7374	Fd Rbr: Inx KGB ROW/Mainsail Culdesac/Lt	*	*	X	X
981	410+67.33	100.80 Rt.	124323.6533	395230.7115	Fd Rbr/PC: SE L16 B4 Settlers Bay Unit I	*	*	X	X
729	412+51.78	100.34 Rt.	124163.0355	395140.0289	Fd Conc ROW Mon: KGB POT 574+00 100' Lt	*	*	X	X
982	415+46.50	100.86 Rt.	123907.0202	394994.0335	Fd Rbr: S'most L17 B4 Settlers Bay Unit	*	*	X	X
993	418+84.55	100.16 Rt.	123612.7147	394827.7035	Fd Rbr: S'most L26 B8 Victoria Estates P	*	*	X	X
994	419+84.48	100.12 Rt.	123525.8035	394778.3886	Fd Rbr: S'most L25 B8 Victoria Estates P	*	*	X	X
995	420+74.44	100.11 Rt.	123447.5677	394733.9730	Fd Rbr: S'most L24 B8 Victoria Estates P	*	*	X	X
996	421+74.46	100.02 Rt.	123360.5554	394684.6568	Fd Rbr: S'most L23 B8 Victoria Estates P	*	*	X	X
728	422+42.37	99.91 Rt.	123301.4473	394651.2094	Fd Conc ROW Mon: KGB POT 564+00 100' Lt	*	*	X	X
997	422+99.44	100 Rt.	123251.8706	394622.9601	Fd Rbr: S'most L22 B8 Victoria Estates P	*	*	X	X
998	424+59.37	99.94 Rt.	123112.7731	394544.0239	Fd Rbr: S'most L21 B8 Victoria Estates P	*	*	X	X
999	425+79.40	99.95 Rt.	123008.4003	394484.7396	Fd Rbr: SE L20 B8 Victoria Estates Phase	*	*	X	X
629	440+21.42	99.39 Rt.	121872.2008	393681.2395	Fd Conc ROW Mon: KGB PC 550+39.9 100' Lt	*	*	X	X



NOTES:

- Refer to Sheet S1 for Notes, Certificates, and Control Information.

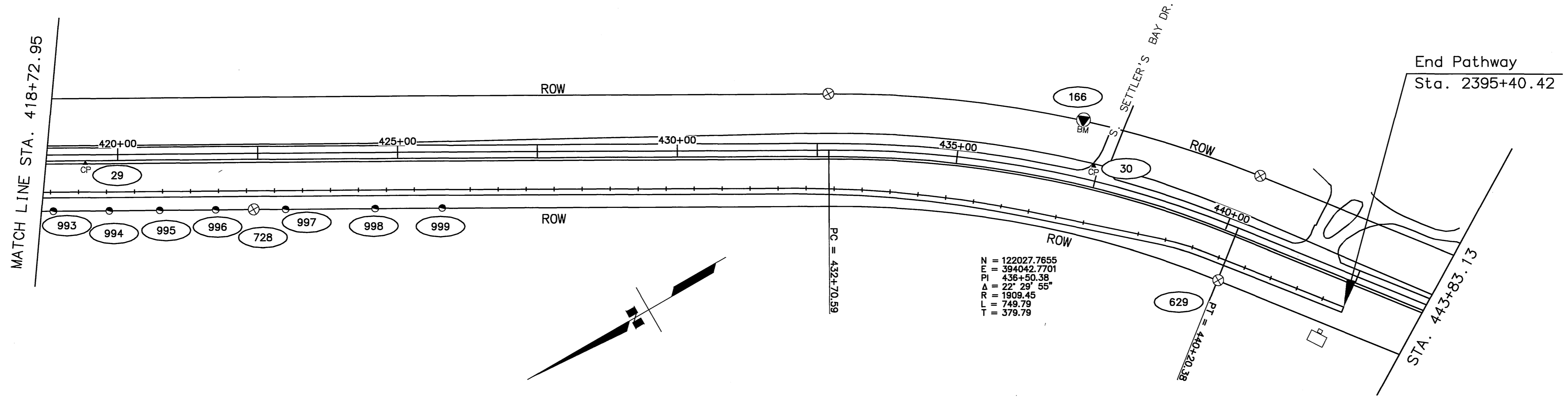
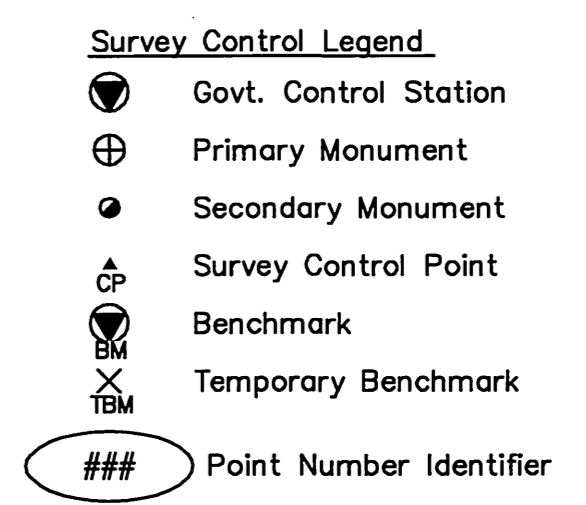
Work Required	Pay Item No.
Construction surveying	642(1)
Office engineering	642(2)
Three person survey party	642(3)
Set primary monument	642(4)
Set secondary monument	642(5)
Replace existing with primary monument	642(6)
Replace existing with secondary monument	642(7)
Adjust existing monument	642(8)
Reference existing monument	642(9)
Monument case	642(10)
Adjust existing monument case	642(11)
Final traverse	642(12)

Horizontal Control Points

Point	Station	Offset	Northing	Easting	Description
27	395+10.59	17.51 Rt.	125636.1939	396071.9080	Set Rbr/AC: TS KGB-27
28	408+41.83	17.08 Lt.	124461.5254	395444.5851	Set Rbr/AC: TS KGB-28
29	419+41.74	15.48 Rt.	123521.1686	394873.0879	Set Rbr/AC: TS KGB-29
30	437+41.66	26.26 Lt.	121962.9326	393968.7485	Set Rbr/AC: TS KGB-30

Vertical Control Points

Point	Station	Offset	Northing	Easting	Elevation	Description
165	413+90	104 Rt.	124045	395069	283.53	TBM-B: RR Spike in 12" Poplar
166	437+07	102 Lt.	121938	394049	248.81	BM-MK8A [Reset]: 2.5" BC w/ Datum Point



MONUMENTS NOT DISTURBED OR REPLACED



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

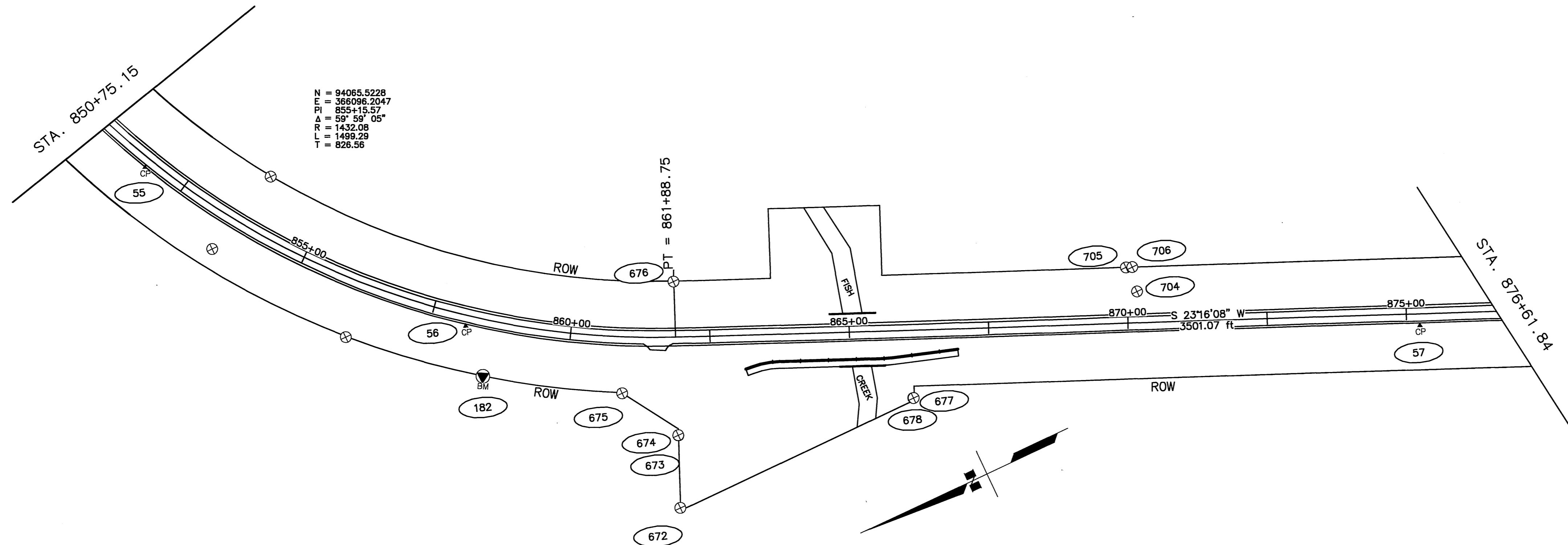
**Knik Goose Bay Road
Rehabilitation
and Pathway**

Survey Control Sheet

DESIGNED BY: MEM 03/11/2003
 CHECKED BY: RJK 03/11/2003
 DRAFTED BY: VLEW
 SPECIFICATIONS: SCALE 1"=250'
 COMPUTER DESIGNATION

Fish Creek Bridge Crossing

SHEET NO.	TOTAL SHEETS	
A9	A9	
STATE	YEAR	
ALASKA	2003	
PROJECT DESIGNATION		
CA-0525(11)/53922		
ADDENDUM NO.		
ATTACHMENT NO.		
REVISIONS		
NO.	DATE	DESCRIPTION



DESIGNED BY: MEM 03/11/2003
 CHECKED BY: RMC 03/11/2003
 DRAFTED BY: VLEW#
 SCALE: COMPUTER DESIGNATION

Work Required	Pay Item No.
Construction surveying	642(1)
Office engineering	642(2)
Three person survey party	642(3)
Set primary monument	642(4)
Set secondary monument	642(5)
Replace existing with primary monument	642(6)
Replace existing with secondary monument	642(7)
Adjust existing monument	642(8)
Reference existing monument	642(9)
Monument case	642(10)
Adjust existing monument case	642(11)
Final traverse	642(12)

- Survey Control Legend**
- Govt. Control Station
 - Primary Monument
 - Secondary Monument
 - Survey Control Point
 - Benchmark
 - Temporary Benchmark
 - ### Point Number Identifier

Horizontal Control Points

Point	Station	Offset	Northing	Easting	Description
55	851+73.53	16.45 Rt.	94040.9261	366447.2878	Set Rbr/AC: TS KGB-55
56	858+12.69	19.12 Rt.	93639.8075	365946.3505	Set Rbr/AC: TS KGB-56
57	875+23.40	20.67 Rt.	92087.8516	365223.2548	Set Rbr/AC: TS KGB-57

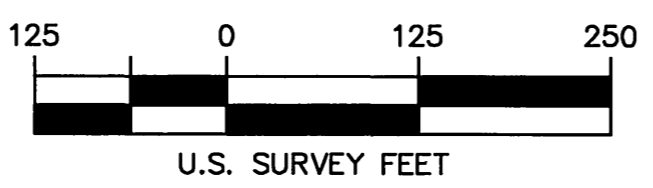
Vertical Control Points

Point	Station	Offset	Northing	Easting	Elevation	Description
182	858+61	101 Rt.	93649	365851	72.57	BM-MK16 RESET: 2.5" BC w/ Datum point
183	865+88	70 Lt.	91074	364886	91.40	TBM-17: RR Spike in 8" Birch w/ BT Tag

Monument Summary Table Items marked with an "*" only apply if the monument is disturbed or destroyed as a result of this project.

Point	Station	Offset	Northing	Easting	Description	642(6)	642(7)	642(9)	Monument of Record Form
675	860+96.22	101.19 Rt.	93435.4257	365718.5461	Fd Rbr/AC: KGB ROW 129+20 100'Lt	*	*	X	X
672	861+87.74	305.76 Rt.	93427.6051	365489.0495	Fd Conc ROW Mon: KGB ROW 128+23.9 305.2'	*	*	X	X
674	861+87.94	175.73 Rt.	93375.9871	365608.4033	Fd Conc ROW Mon: KGB ROW 128+23.9 175'Lt	*	*	X	X
673	861+88.01	176.21 Rt.	93376.1069	365607.9309	Fd Rbr/AC: KGB ROW 128+23.9 175'Lt	*	*	X	X
677	866+11.31	121.28 Rt.	92965.5037	365491.1493	Fd Conc ROW Mon: KGB ROW 124+00 118'Lt	*	*	X	X
678	866+12.07	121.32 Rt.	92964.8242	365490.8140	Fd AlMon: KGB ROW 124+00 118' Lt	*	*	X	X

NOTES:
 1. Refer to Sheet S1 for Notes, Certificates, and Control Information.



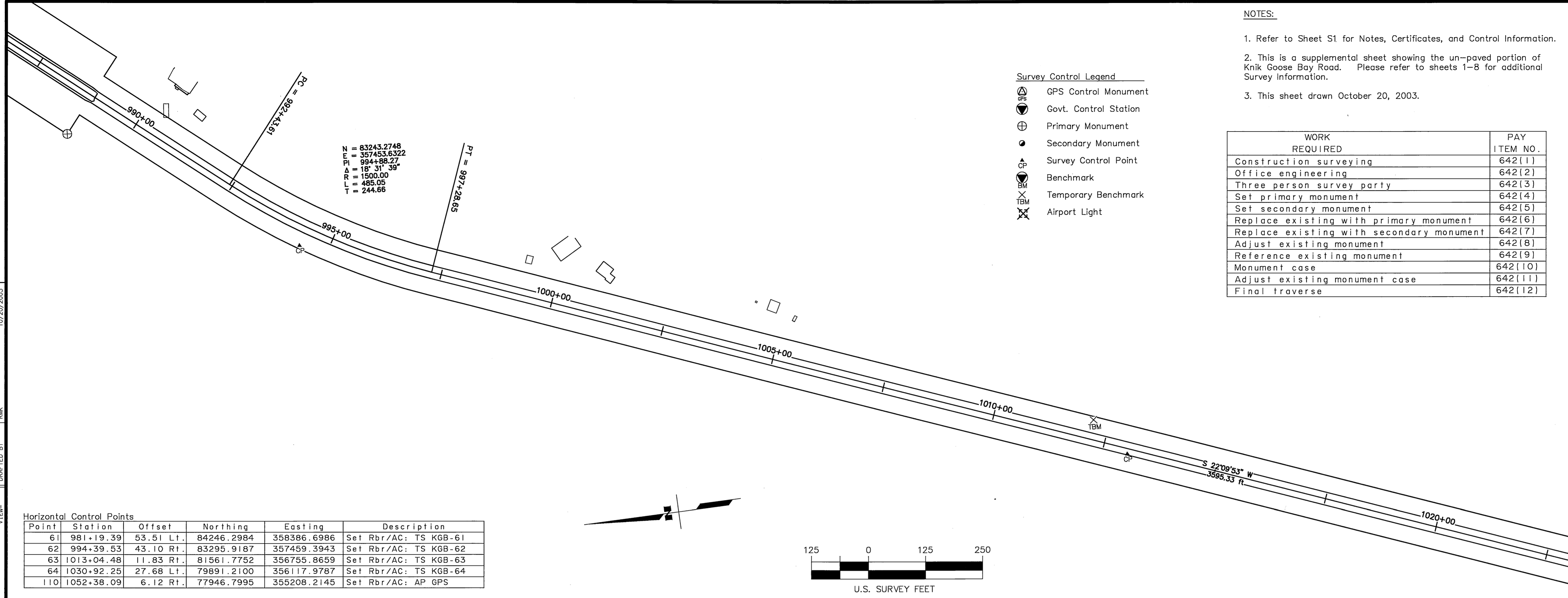
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**Knik Goose Bay Road
 Rehabilitation
 and Pathway**
 Survey Control Sheet

SHEET NO.	TOTAL SHEETS	
A9-Supp	A9	
STATE	YEAR	
ALASKA	2003	
PROJECT DESIGNATION		
CA-0525(11)/53922		
ADDENDUM NO.		
ATTACHMENT NO.		
REVISIONS		
NO.	DATE	DESCRIPTION

- NOTES:
1. Refer to Sheet S1 for Notes, Certificates, and Control Information.
 2. This is a supplemental sheet showing the un-paved portion of Knik Goose Bay Road. Please refer to sheets 1-8 for additional Survey Information.
 3. This sheet drawn October 20, 2003.

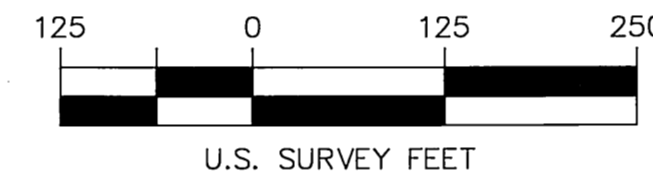
WORK REQUIRED	PAY ITEM NO.
Construction surveying	642(1)
Office engineering	642(2)
Three person survey party	642(3)
Set primary monument	642(4)
Set secondary monument	642(5)
Replace existing with primary monument	642(6)
Replace existing with secondary monument	642(7)
Adjust existing monument	642(8)
Reference existing monument	642(9)
Monument case	642(10)
Adjust existing monument case	642(11)
Final traverse	642(12)

- Survey Control Legend
- GPS Control Monument
 - Govt. Control Station
 - Primary Monument
 - Secondary Monument
 - Survey Control Point
 - Benchmark
 - Temporary Benchmark
 - Airport Light

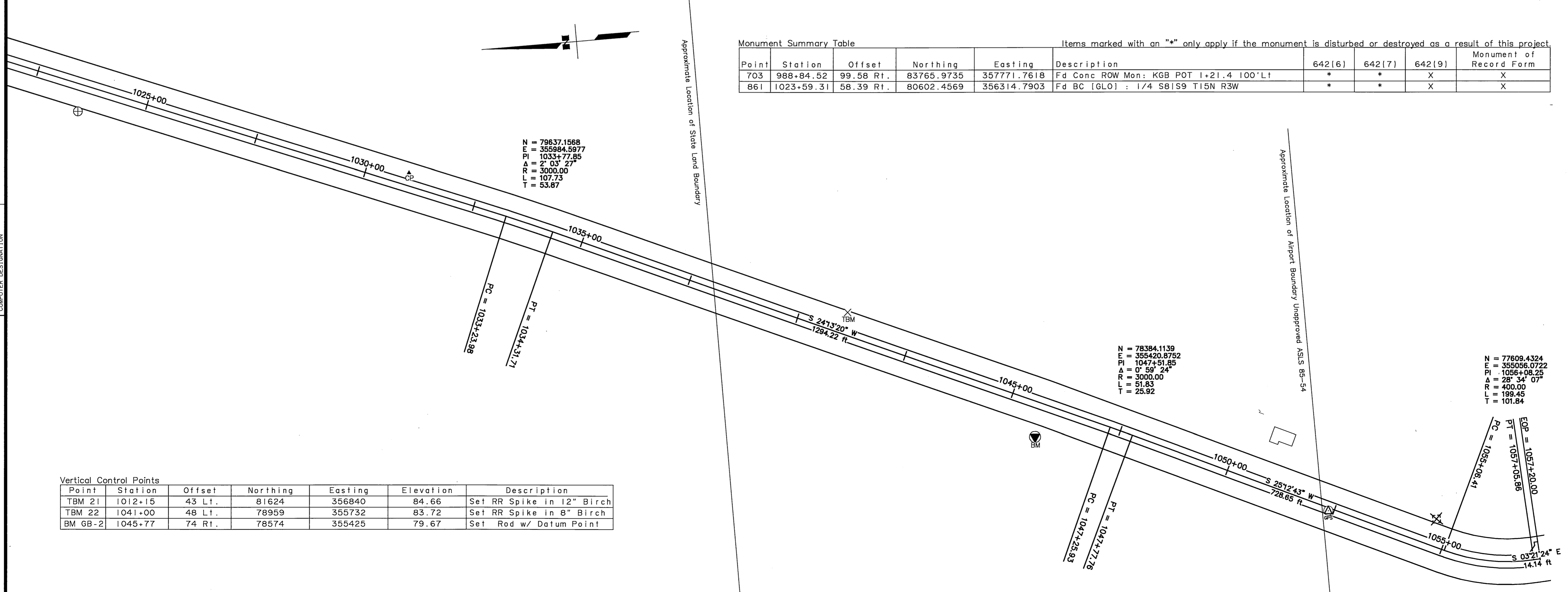


Horizontal Control Points

Point	Station	Offset	Northing	Easting	Description
61	981+19.39	53.51 Lt.	84246.2984	358386.6986	Set Rbr/AC: TS KGB-61
62	994+39.53	43.10 Rt.	83295.9187	357459.3943	Set Rbr/AC: TS KGB-62
63	1013+04.48	11.83 Rt.	81561.7752	356755.8659	Set Rbr/AC: TS KGB-63
64	1030+92.25	27.68 Lt.	79891.2100	356117.9787	Set Rbr/AC: TS KGB-64
110	1052+38.09	6.12 Rt.	77946.7995	355208.2145	Set Rbr/AC: AP GPS



DESIGNED BY: NEW
 CHECKED BY: RMK
 DRAFTED BY: RMK
 DATE: 10/20/2003
 SCALE: 1"=250'
 COMPUTER DESIGNATION: VIEW#



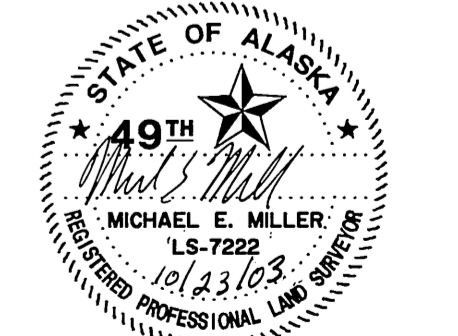
Monument Summary Table

Items marked with an "*" only apply if the monument is disturbed or destroyed as a result of this project.

Point	Station	Offset	Northing	Easting	Description	642(6)	642(7)	642(9)	Monument of Record Form
703	988+84.52	99.58 Rt.	83765.9735	357771.7618	Fd Conc ROW Mon: KGB POT I+21.4 100'Lt	*	*	X	X
861	1023+59.31	58.39 Rt.	80602.4569	356314.7903	Fd BC [GLO] : 1/4 S81S9 T15N R3W	*	*	X	X

Vertical Control Points

Point	Station	Offset	Northing	Easting	Elevation	Description
TBM 21	1012+15	43 Lt.	81624	356840	84.66	Set RR Spike in 12" Birch
TBM 22	1041+00	48 Lt.	78959	355732	83.72	Set RR Spike in 8" Birch
BM GB-2	1045+77	74 Rt.	78574	355425	79.67	Set Rod w/ Datum Point



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES

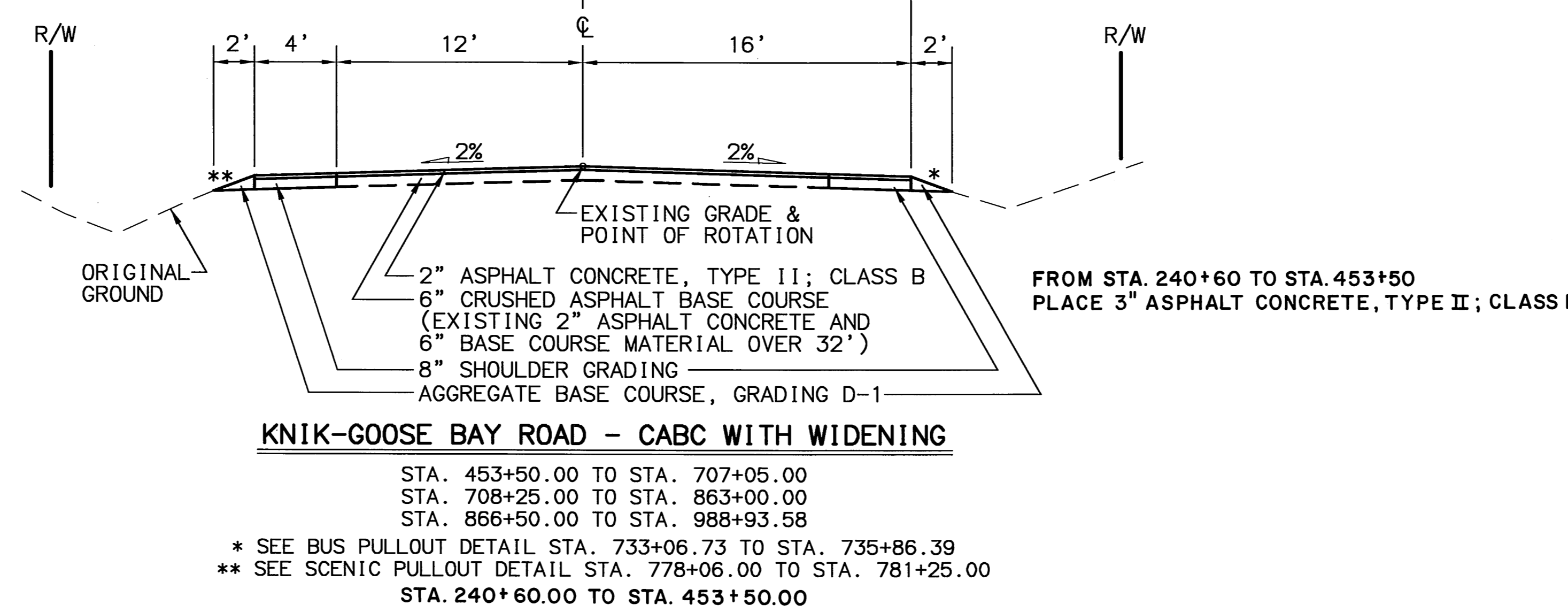
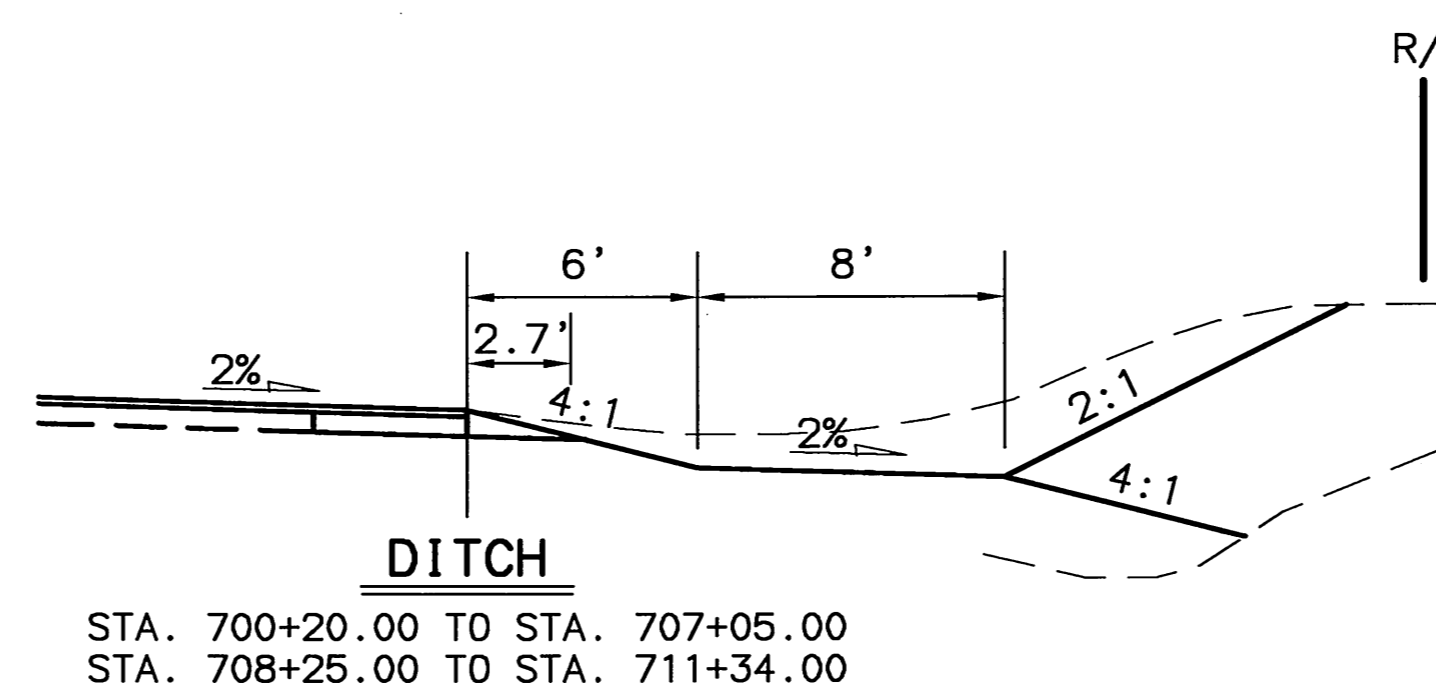
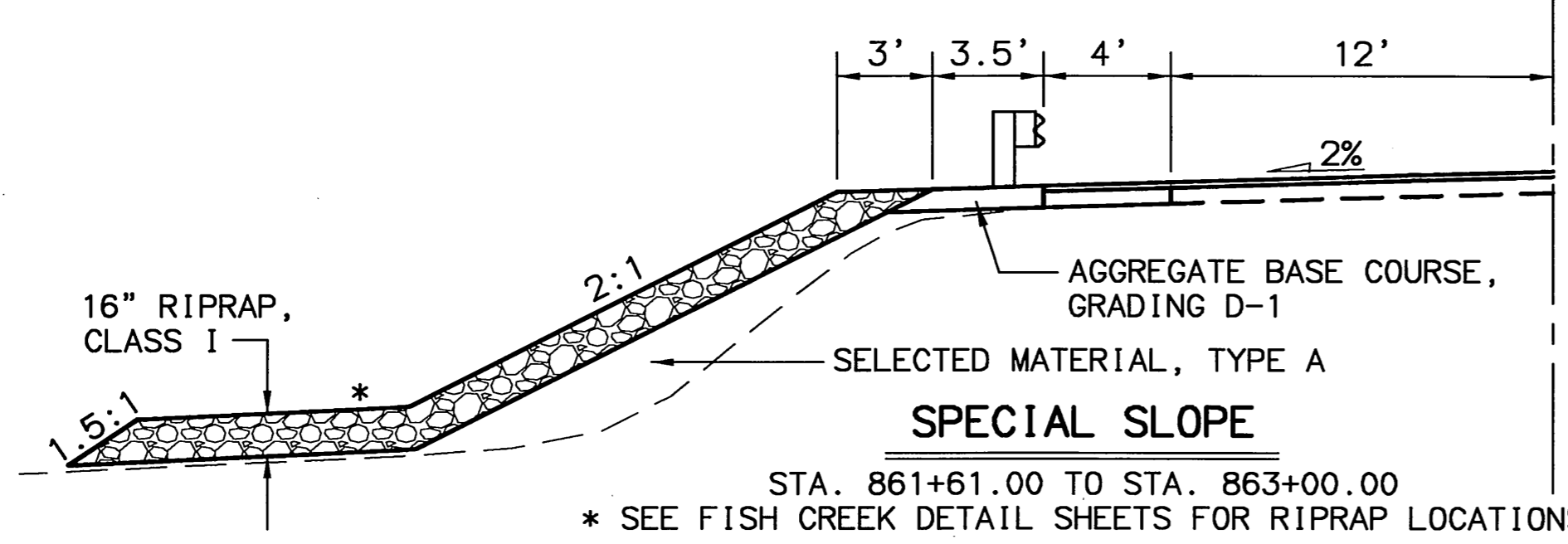
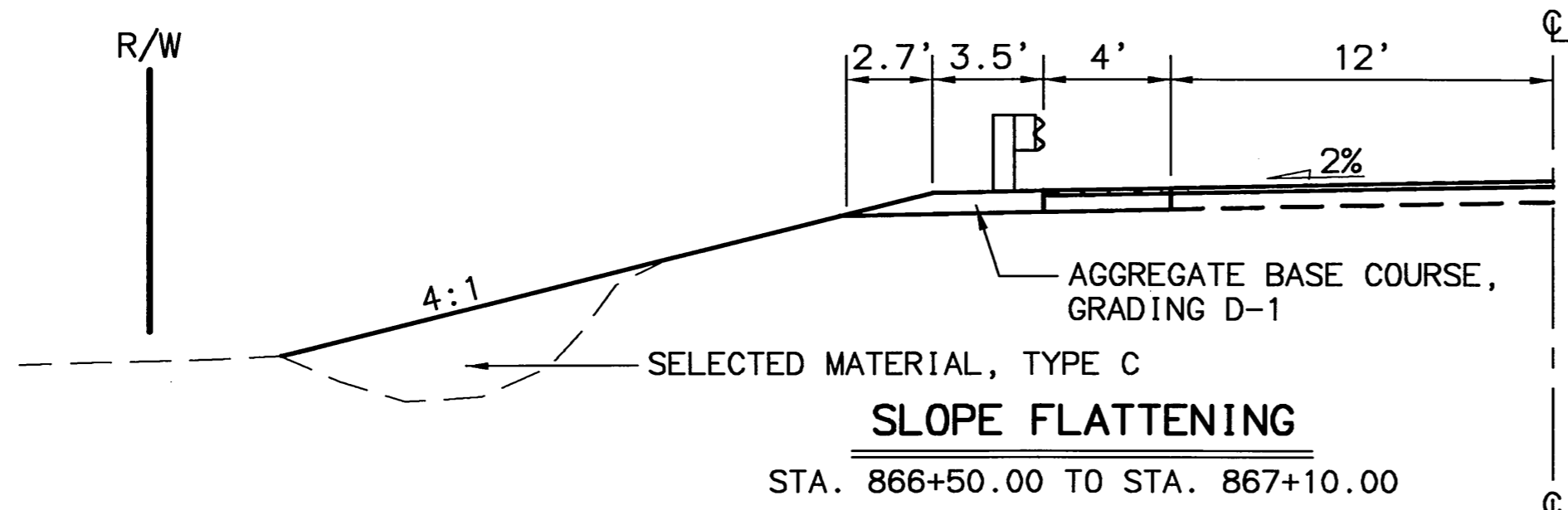
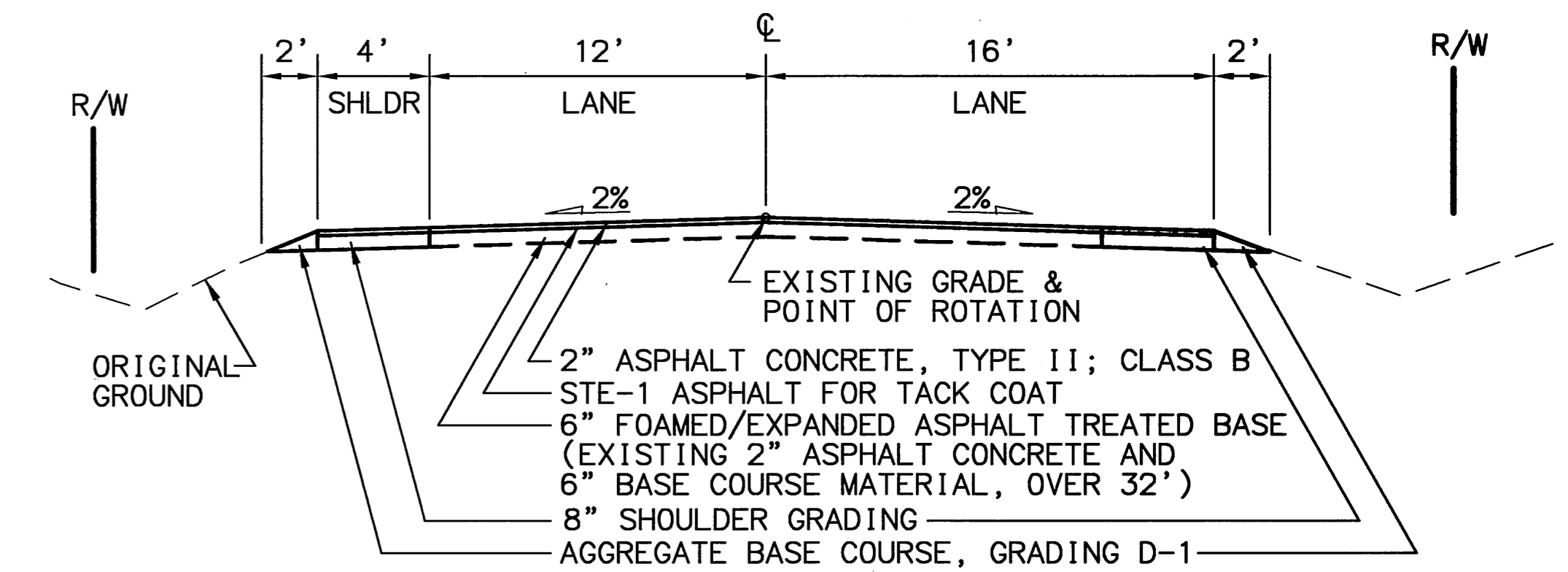
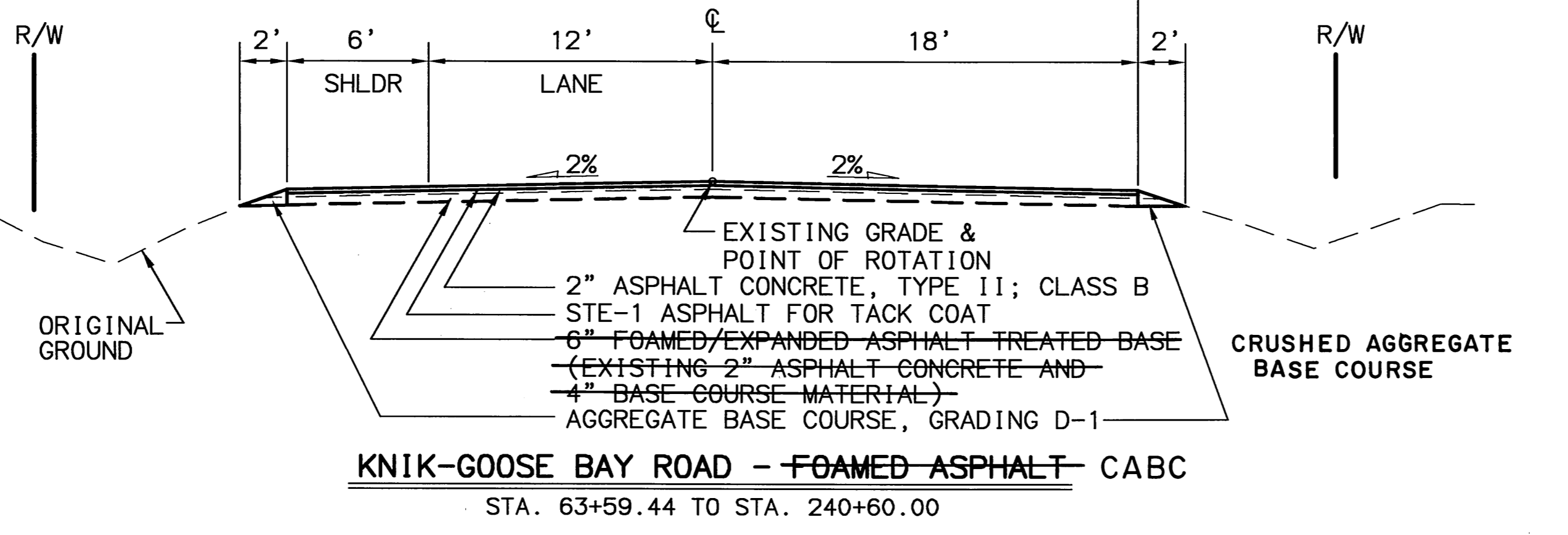
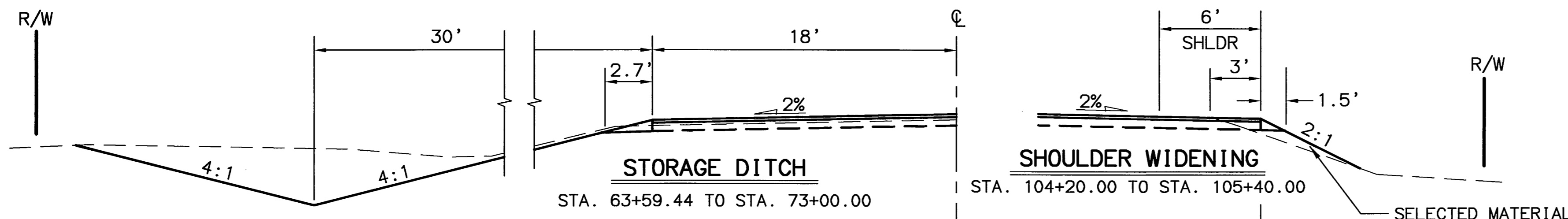
Knik Goose Bay Road
 Rehabilitation
 and Pathway

Supplemental
 Survey Control Sheet

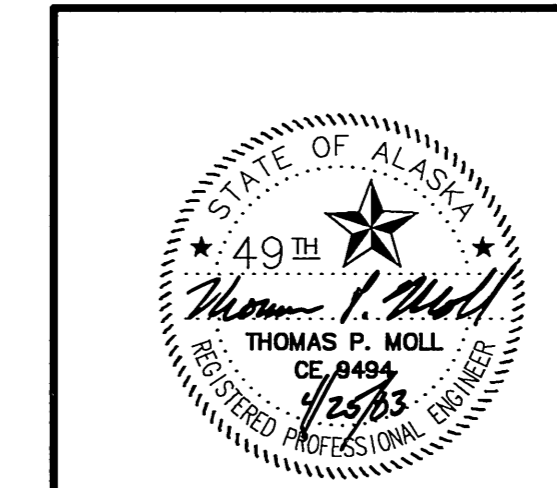
No.	DATE	REVISIONS	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
		DESCRIPTION	ALASKA	CA-0525(11)/53922	2003	B1	B5

NOTES:

1. ROADWAY EXCAVATION TO 3.5' WILL BE AT A 10:1 TAPER RATE. STATIONING WHERE EXCAVATION OCCURS INCLUDES TAPER TRANSITION ZONES.
2. JUTE MATTING WILL BE PLACED ON ALL CONSTRUCTED SLOPES 2:1 OR STEEPER, AND 10' OR GREATER IN HEIGHT.
3. TOPSOIL AND SEED AS DIRECTED BY THE ENGINEER. SEED ALL GRUBBING AREAS WHICH WILL NOT BE EFFECTED DURING CONSTRUCTION.
4. NO MECHANIZED EQUIPMENT BEYOND TOE OF EXISTING ROAD EMBANKMENT FROM STA. 699+00 TO STA. 868+60 UNLESS AUTHORIZED BY THE ENGINEER.



SPECIFICATIONS: SCALE: 1"=5'-0" COMPUTER DESIGNATION: AUTOCAD=PAITI/VANESSA-53922R3.TYP_KGB.DWG
 DESIGNED BY: CHECKED BY: DRAFTED BY: RA/VSD/PF
 DATE: 04/21/2003
 VIEW: 1

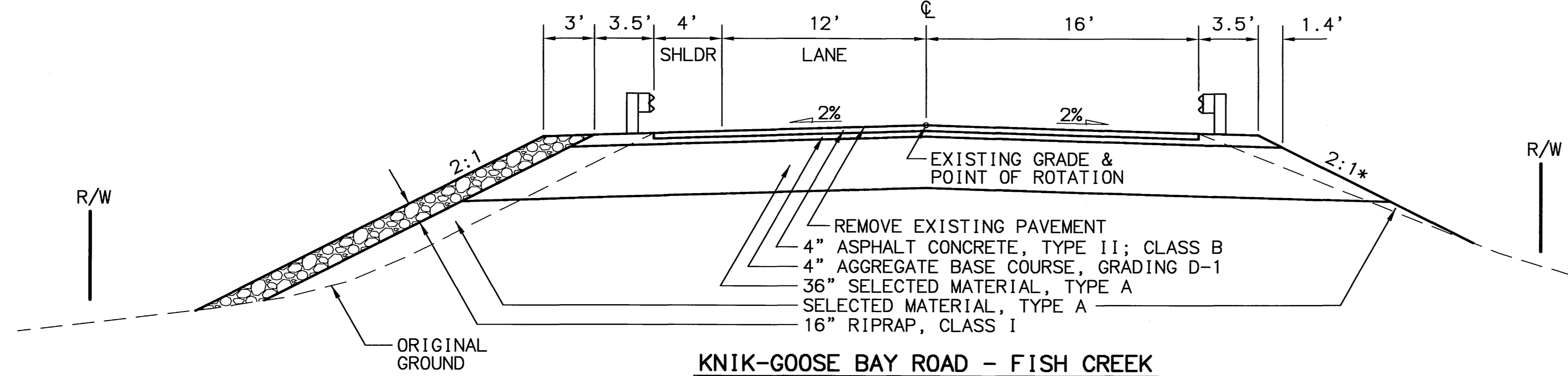
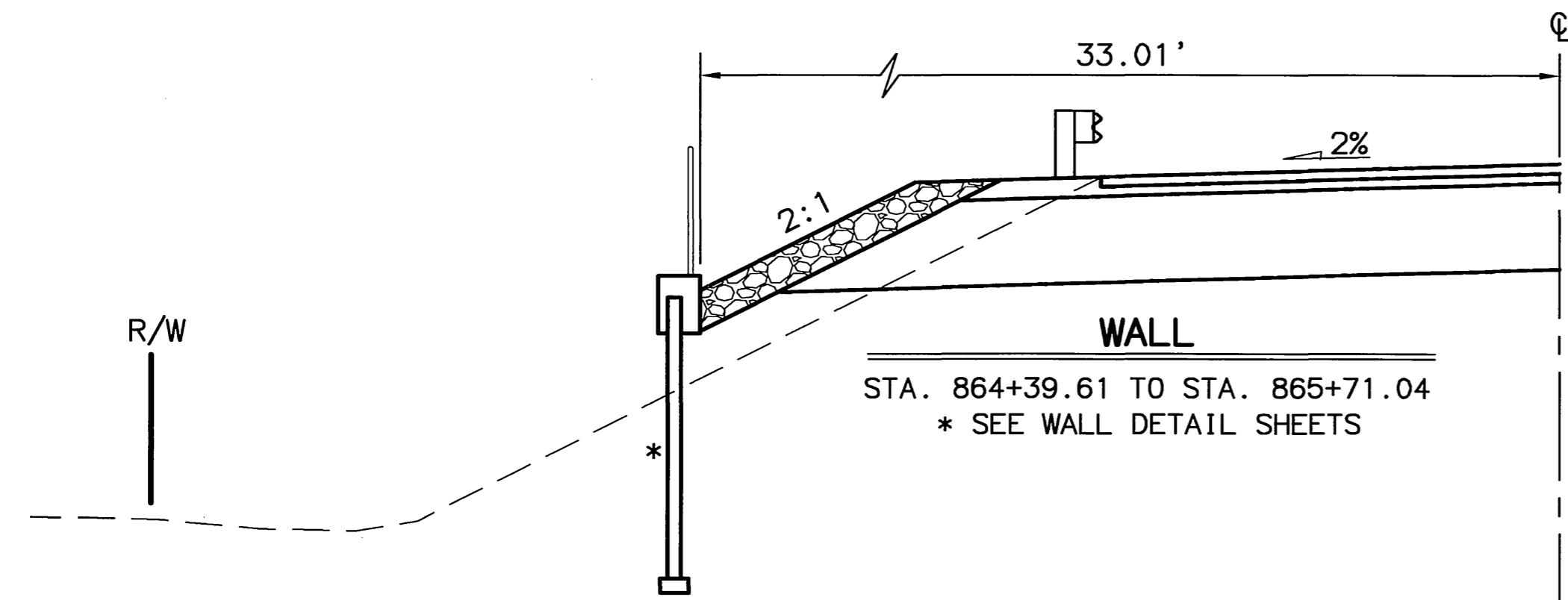


STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND
 PUBLIC FACILITIES

**KNIK-GOOSE BAY ROAD
 REHABILITATION AND PATHWAY**

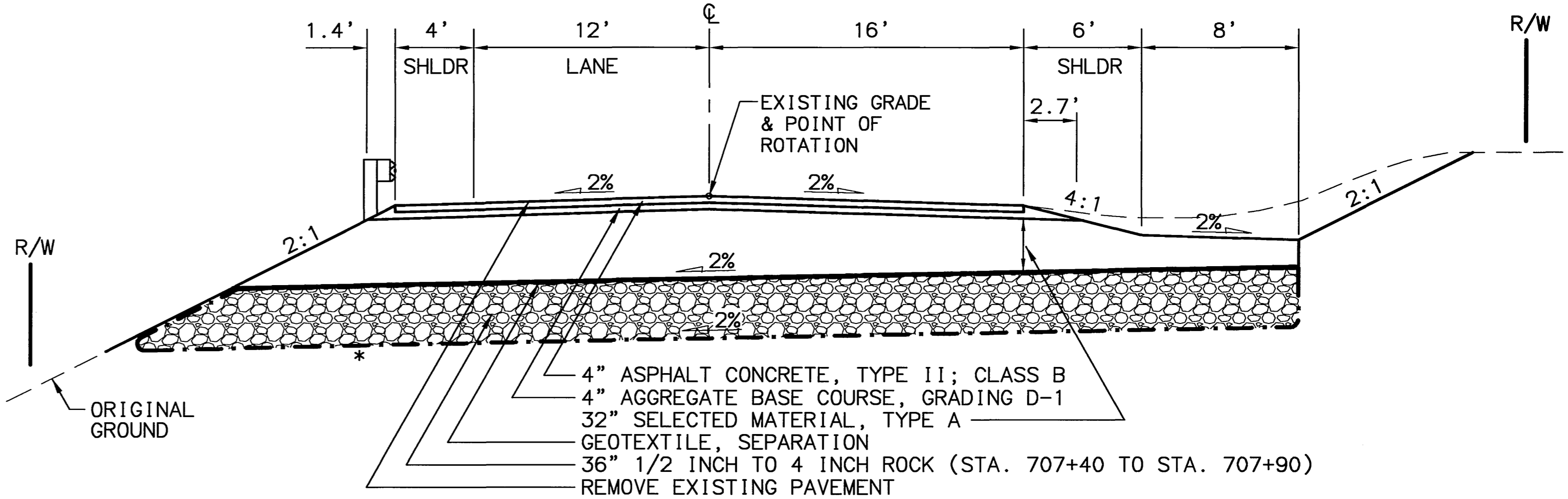
TYPICAL SECTIONS

REVISIONS		STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION				
		ALASKA	CA-0525(11)/53922	2003	B2	B5



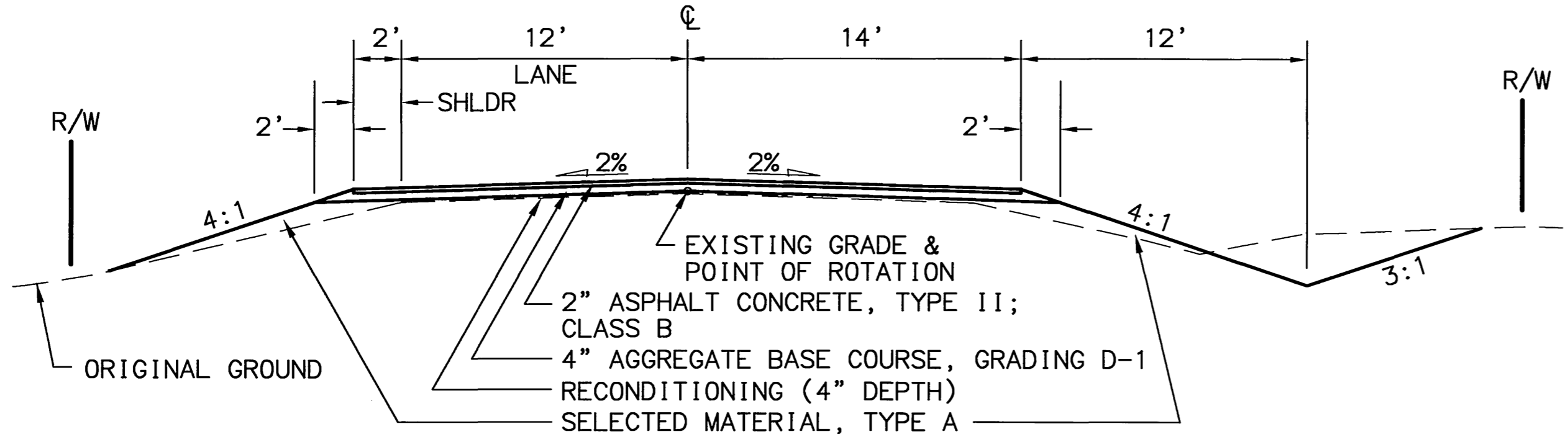
KNIK-GOOSE BAY ROAD - FISH CREEK

STA. 863+00.00 TO STA. 866+50.00
 * SEE PATHWAY TYPICAL FOR FISH CREEK FOR FINISHED SLOPE.



KNIK-GOOSE BAY ROAD - SPOT REPAIR

STA. 707+05.00 TO STA. 708+25.00
 * ACTUAL DEPTH AND LENGTH OF EXCAVATION AND BACKFILL SHALL BE DETERMINED BY THE ENGINEER.



KNIK-GOOSE BAY ROAD - RECONDITIONING

STA. 988+93.58 TO STA. 1057+20.00

SPECIFICATIONS: AUTOCAD: PATTI/VANESSA-539223.TYP, G83.DWG
 SCALE: AS SHOWN
 COMPUTER DESIGNATION: AUTOCAD: PATTI/VANESSA-539223.TYP, G83.DWG
 VIEW: 2
 DESIGNED BY: RL/AS/DF
 CHECKED BY: RL/AS/DF
 DATE: 04/24/2003



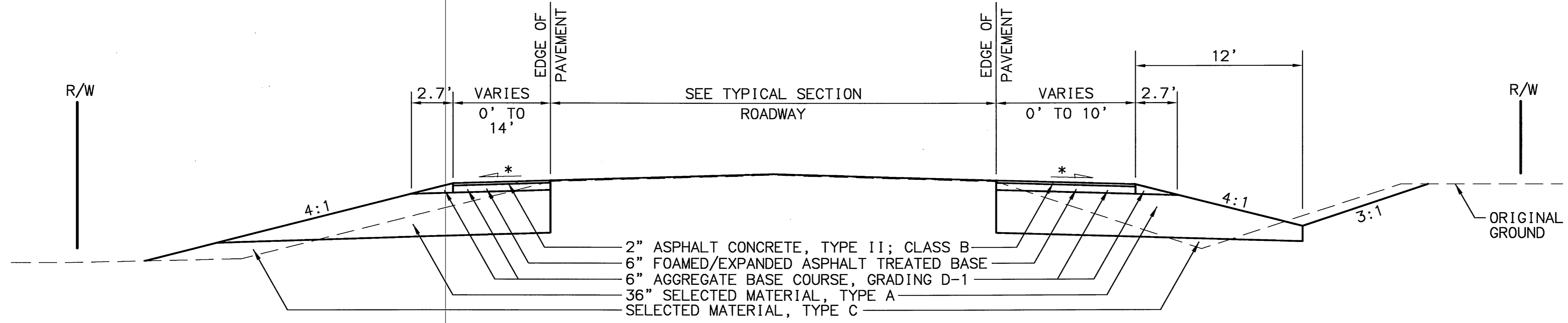
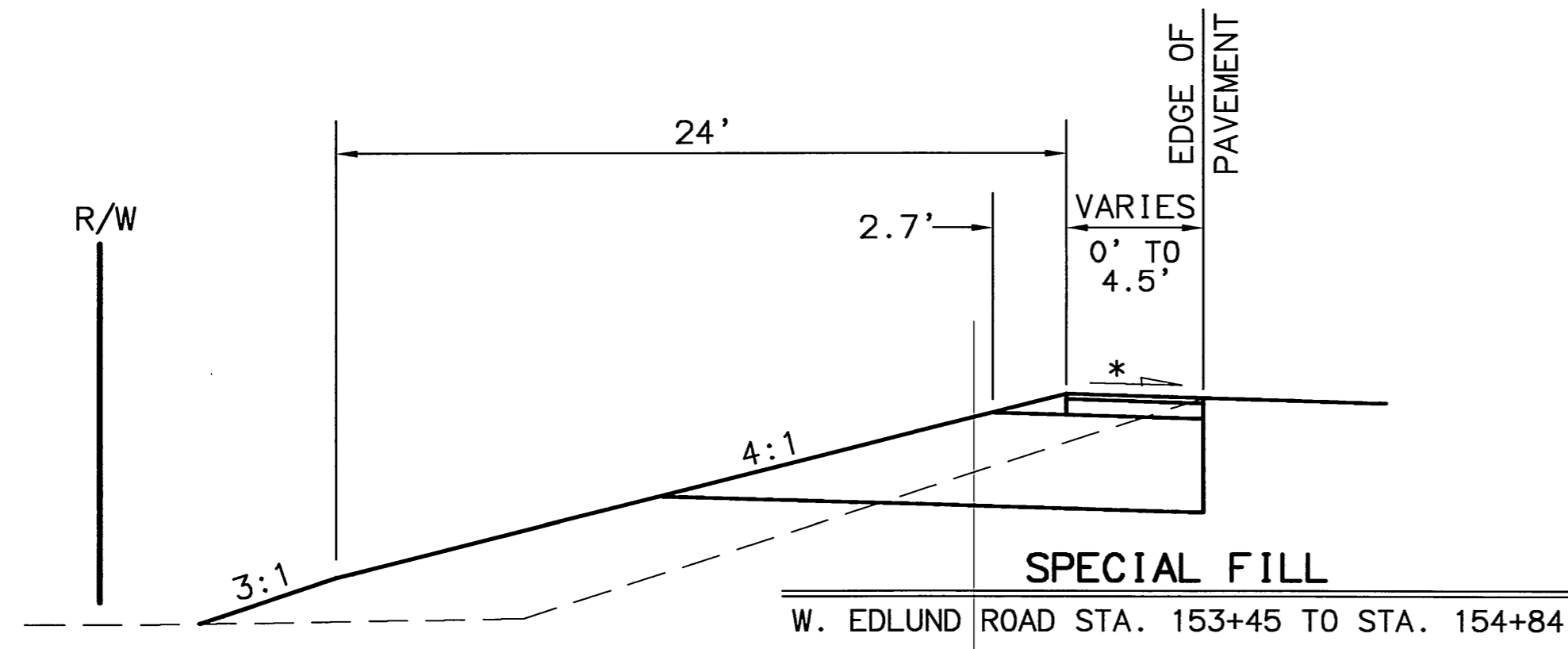
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND
 PUBLIC FACILITIES

**KNIK-GOOSE BAY ROAD
 REHABILITATION AND PATHWAY**

TYPICAL SECTIONS

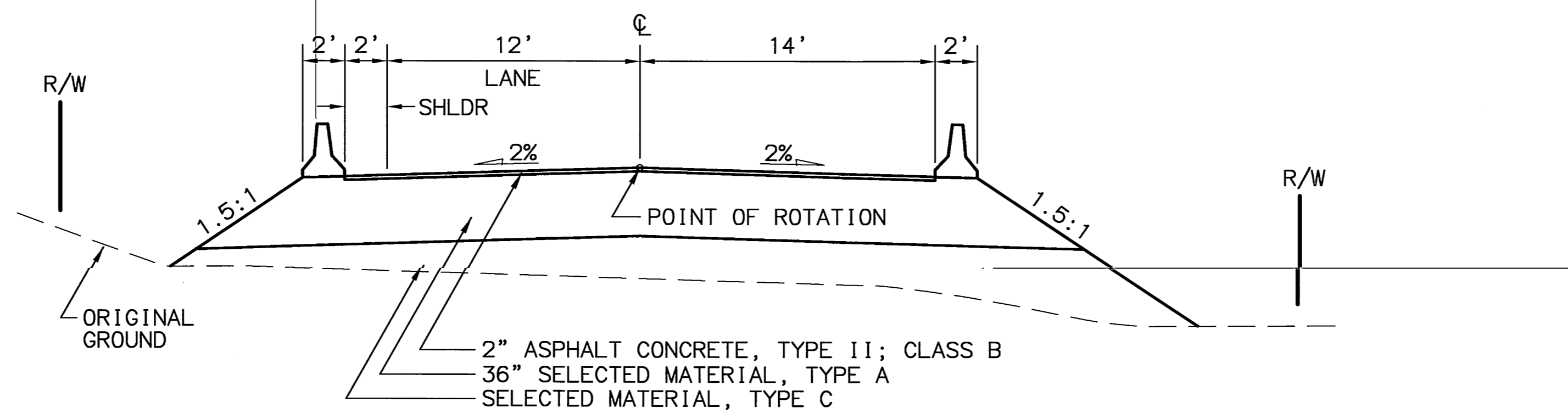
REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	CA-0525(11)/53922	2003	B3	B5
(1)	5/21/03	ADD TURN POCKET					

ADDENDUM # 1, ATTACHMENT # 1



KNIK-GOOSE BAY ROAD - TURN POCKETS

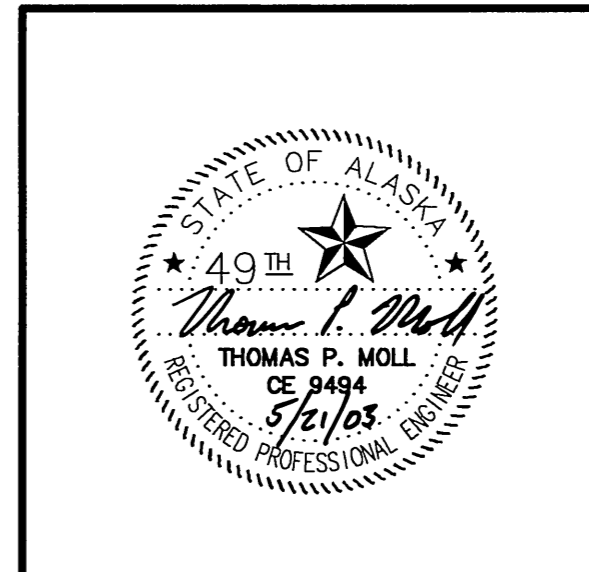
- E. FRANK SMITH WAY (1)
- S. ENDEAVOR STREET
- W. EDLUND ROAD
- S. CLAPP ROAD
- S. VINE ROAD
- S. SETTLER'S BAY DRIVE
- * MATCH ROADWAY CROSS SLOPE



KNIK-GOOSE BAY ROAD - FISH CREEK BYPASS

DESIGN SPEED = 35 MPH
 MAXIMUM GRADE = 10%
 MINIMUM RADIUS = 380' 6% MAX. SUPER
 FISH CREEK WILL BE SPANNED IN ACCORDANCE WITH PERMITS.

DESIGNED BY: [blank]
 CHECKED BY: [blank]
 DRAFTED BY: [blank]
 DATE: 08/20/2003
 SCALE: 1"=5'
 COMPUTER DESIGNATION: AUTOCAD=PATII\VANESSA-55922R3.TYP_KGB.DWG
 VIEW = 3



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND
 PUBLIC FACILITIES

**KNIK-GOOSE BAY ROAD
 REHABILITATION AND PATHWAY**

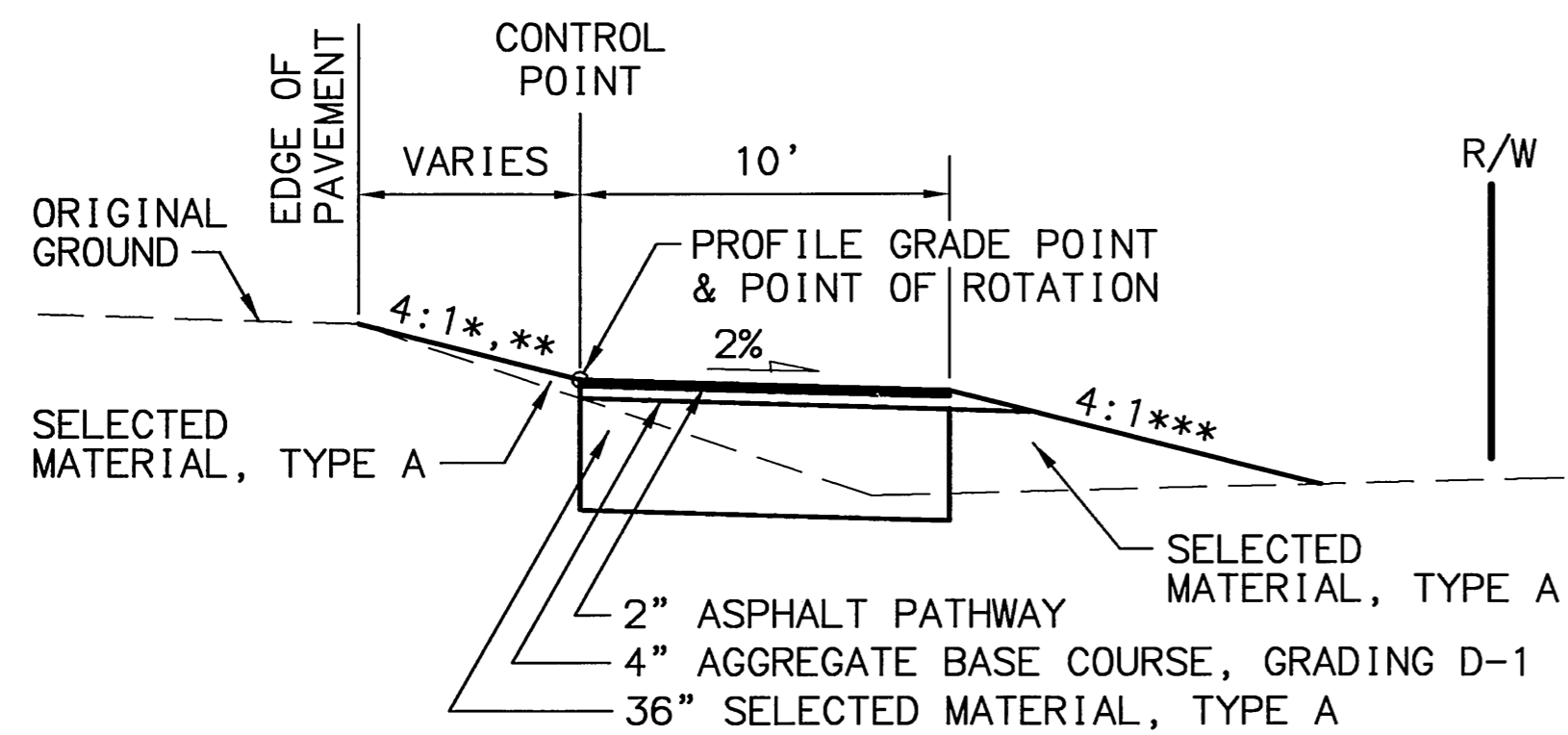
TYPICAL SECTIONS

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	CA-0525(11)/53922	2003	B4	B5
(1)	5/21/03	CHANGE PATHWAY					

ADDENDUM #1, ATTACHMENT #1

NOTES:

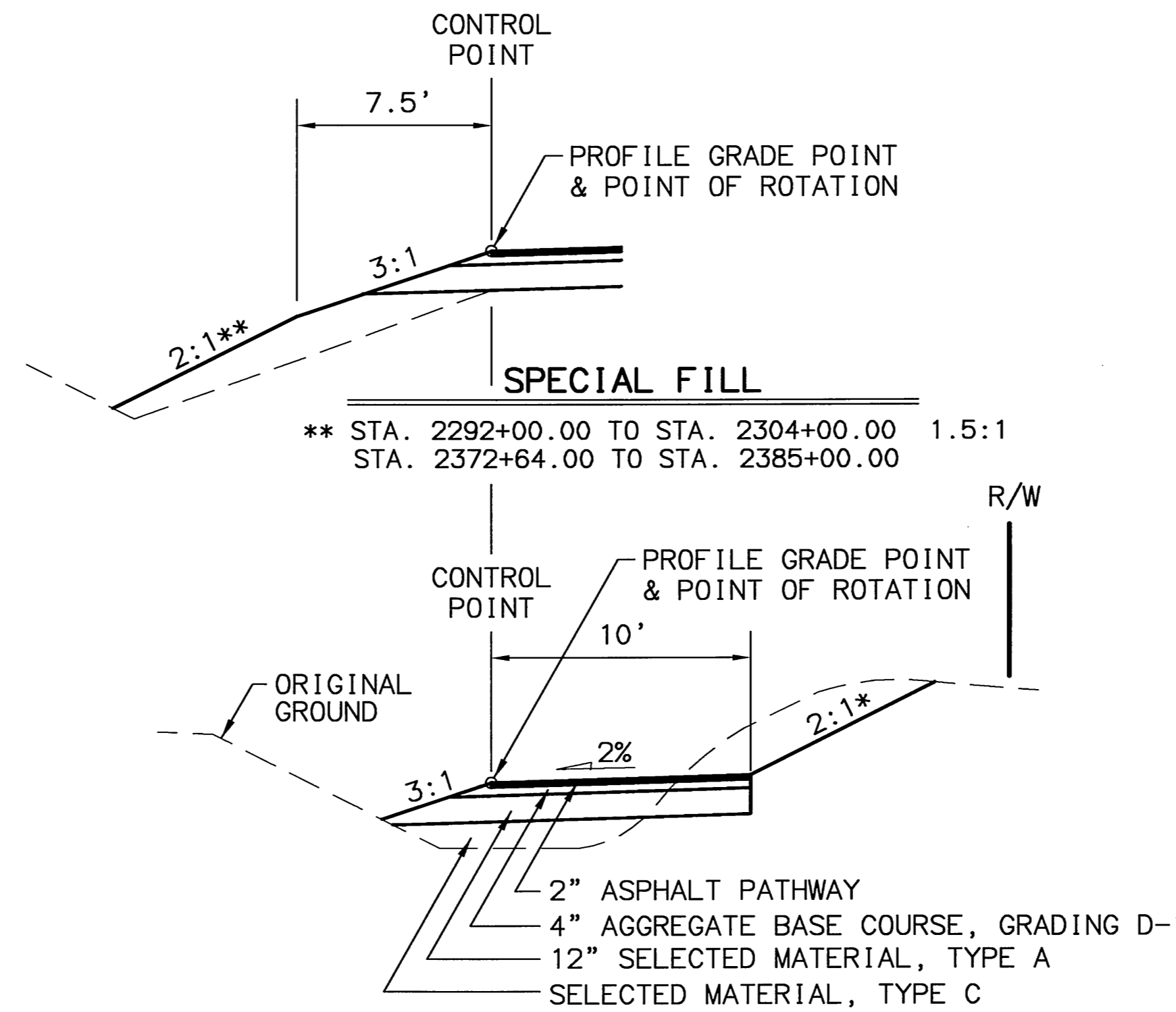
1. ON ALL PATHWAY TYPICALS, TRANSITION THE SELECTED MATERIAL, TYPE A FROM 12" TO 36" AT A 10:1 TAPER RATE.



PATHWAY APPROACH

STA. 1502+60.00 TO STA. 1502+90.00	STA. 2124+80.00 TO STA. 2125+80.00
STA. 1506+40.00 TO STA. 1508+00.00	STA. 2162+70.00 TO STA. 2165+70.00
STA. 1510+80.00 TO STA. 1512+50.00	STA. 2192+40.00 TO STA. 2195+22.00
STA. 1513+90.00 TO STA. 1515+60.00	STA. 2224+20.00 TO STA. 2226+90.00
STA. 1518+30.00 TO STA. 1519+70.00	STA. 2235+70.00 TO STA. 2239+40.00
STA. 1528+33.00 TO STA. 1531+04.00	STA. 2262+30.00 TO STA. 2265+70.00
STA. 1538+47.00 TO STA. 1538+88.90	STA. 2307+40.00 TO STA. 2310+70.00
STA. 2000+00.00 TO STA. 2000+25.00	STA. 2319+80.00 TO STA. 2323+90.00
(1) STA. 2013+20.00 TO STA. 2017+10.00 (1)	STA. 2339+20.00 TO STA. 2340+10.00
STA. 2037+60.00 TO STA. 2042+30.00	STA. 2346+20.00 TO STA. 2349+10.00
STA. 2077+90.00 TO STA. 2081+00.00	STA. 2357+10.00 TO STA. 2359+90.00
STA. 2089+10.00 TO STA. 2093+60.00	STA. 2367+50.00 TO STA. 2370+10.00
STA. 2116+40.00 TO STA. 2119+40.00	

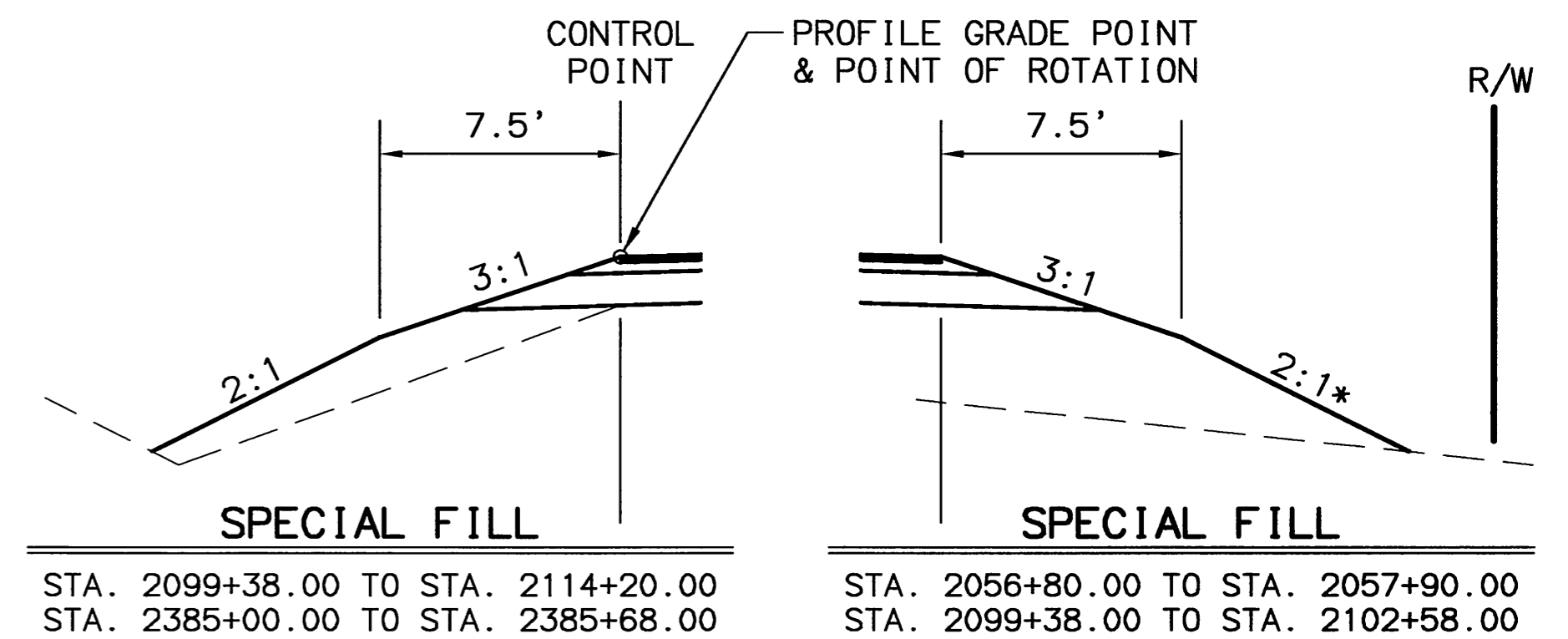
* SHAPE FORESLOPE 4:1 OR FLATTER TO MATCH EDGE OF PAVEMENT.
 ** STA. 1502+60.00 TO STA. 1515+50.00 SHAPE FORESLOPE 2% CROSS SLOPE OR FLATTER TO MATCH EDGE OF PAVEMENT
 *** STA. 1502+60.00 TO STA. 1515+50.00 USE 2:1.



PATHWAY

STA. 1522+82.00 TO STA. 1525+06.00	STA. 2154+00.00 TO STA. 2162+70.00
STA. 1525+84.00 TO STA. 1528+33.00	STA. 2165+70.00 TO STA. 2174+60.00
STA. 1531+04.00 TO STA. 1538+47.00	STA. 2175+70.00 TO STA. 2192+40.00
STA. 2000+25.00 TO STA. 2013+20.00 (1)	STA. 2195+22.00 TO STA. 2224+20.00
(1) STA. 2017+10.00 TO STA. 2023+80.00	STA. 2226+90.00 TO STA. 2229+30.00
STA. 2034+00.00 TO STA. 2037+60.00	STA. 2229+80.00 TO STA. 2235+70.00
STA. 2042+30.00 TO STA. 2051+20.00	STA. 2239+40.00 TO STA. 2250+20.00
STA. 2061+10.00 TO STA. 2066+25.00	STA. 2250+80.00 TO STA. 2262+30.00
STA. 2068+30.00 TO STA. 2074+30.00	STA. 2265+70.00 TO STA. 2268+50.00
STA. 2074+70.00 TO STA. 2077+90.00	STA. 2276+20.00 TO STA. 2279+60.00
STA. 2081+00.00 TO STA. 2089+10.00	STA. 2280+40.00 TO STA. 2307+40.00
STA. 2093+60.00 TO STA. 2097+80.00	STA. 2310+70.00 TO STA. 2317+90.00
STA. 2114+20.00 TO STA. 2116+40.00	STA. 2318+40.00 TO STA. 2319+80.00
STA. 2119+40.00 TO STA. 2121+70.00	STA. 2323+90.00 TO STA. 2333+80.00
STA. 2125+80.00 TO STA. 2138+00.00	STA. 2336+30.00 TO STA. 2337+50.00
STA. 2139+00.00 TO STA. 2142+19.00	STA. 2340+10.00 TO STA. 2346+20.00
STA. 2142+80.00 TO STA. 2143+39.00	STA. 2349+10.00 TO STA. 2357+10.00
STA. 2145+50.00 TO STA. 2146+79.00	STA. 2359+90.00 TO STA. 2367+50.00
STA. 2148+42.00 TO STA. 2153+60.00	STA. 2370+10.00 TO STA. 2385+00.00

* VARY SLOPE TO STAY WITHIN R/W

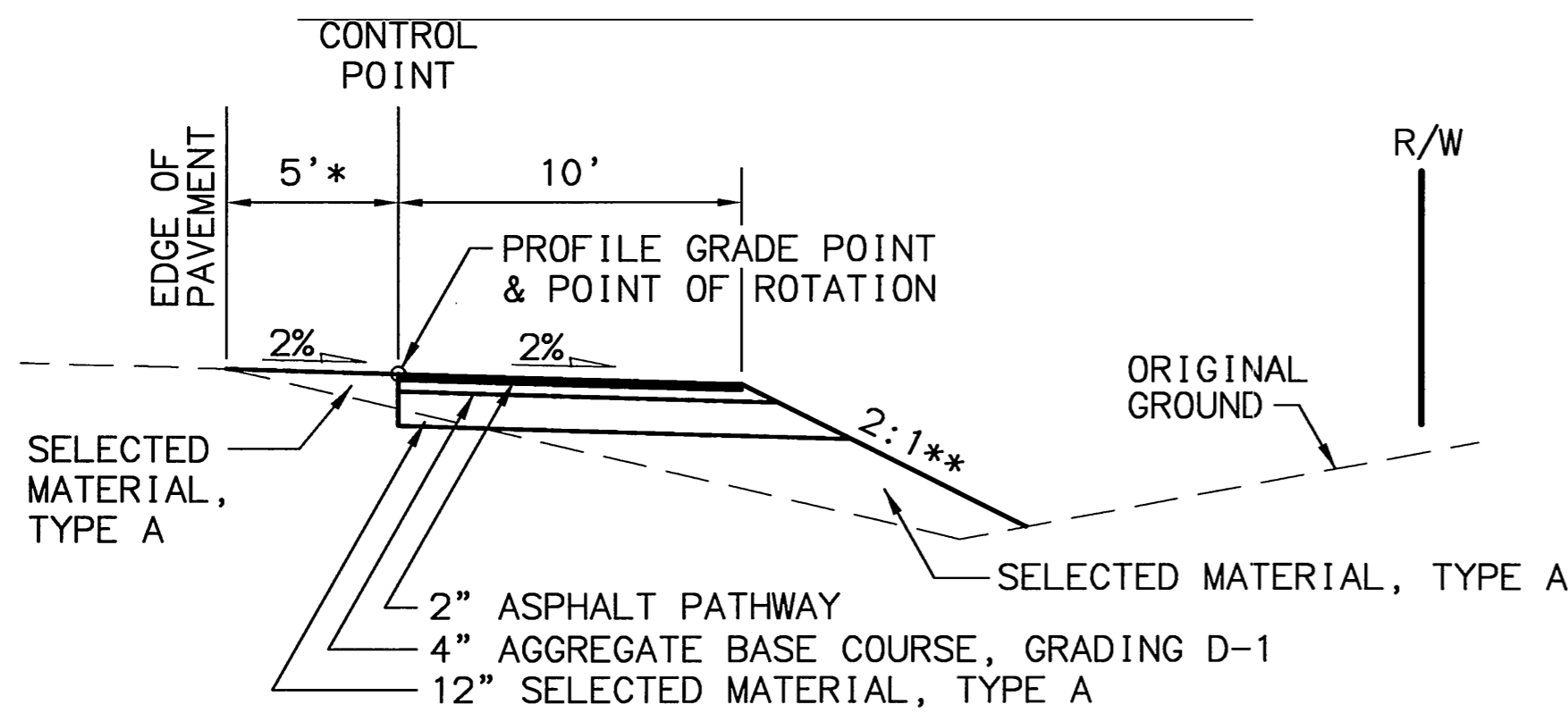


SPECIAL FILL

STA. 2099+38.00 TO STA. 2114+20.00
 STA. 2385+00.00 TO STA. 2385+68.00

SPECIAL FILL

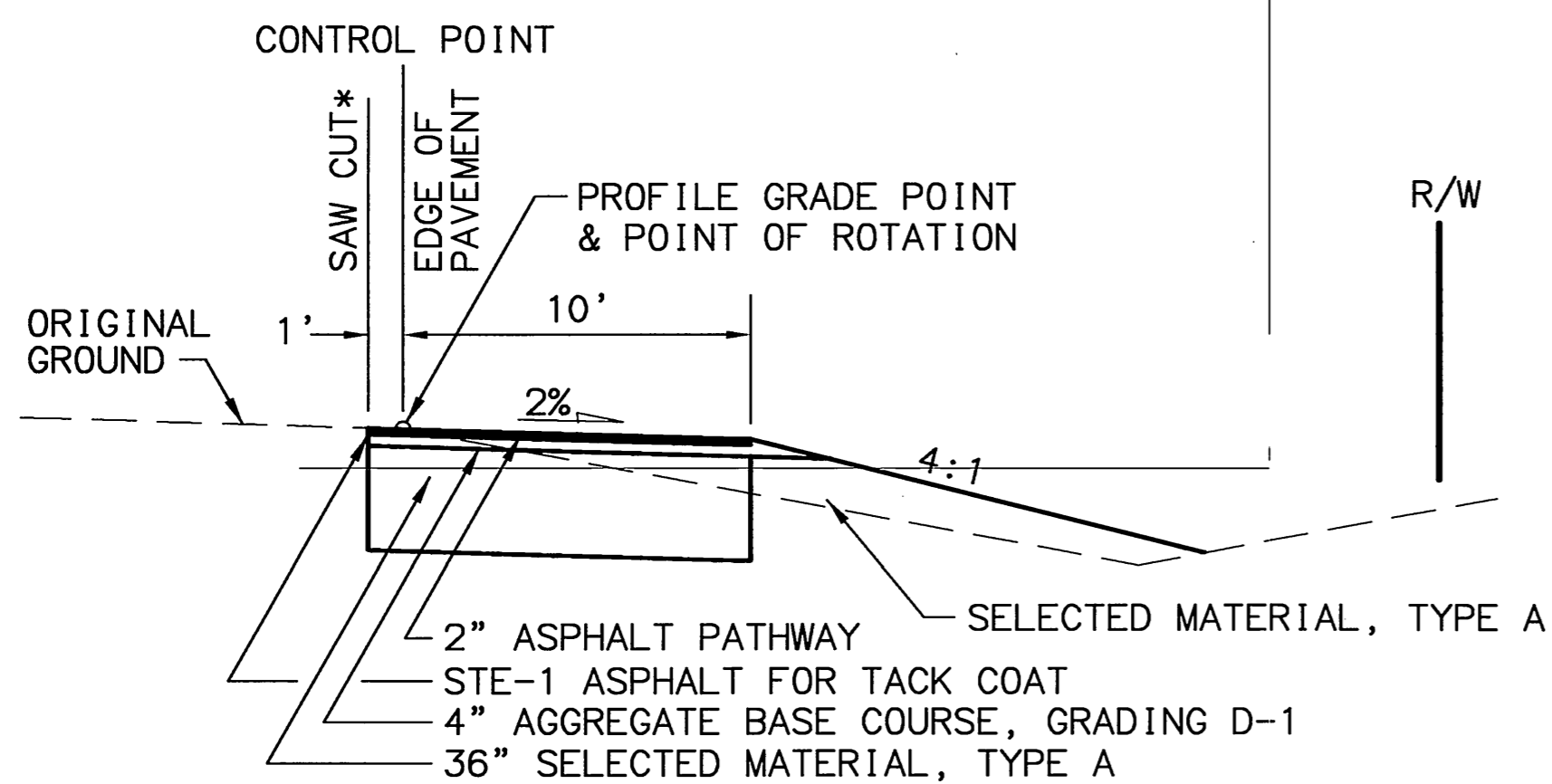
STA. 2056+80.00 TO STA. 2057+90.00
 STA. 2099+38.00 TO STA. 2102+58.00



PATHWAY

STA. 1502+90.00 TO STA. 1506+40.00
STA. 1508+00.00 TO STA. 1510+80.00
STA. 1512+50.00 TO STA. 1513+90.00
STA. 1515+60.00 TO STA. 1518+30.00
STA. 1519+70.00 TO STA. 1522+82.00

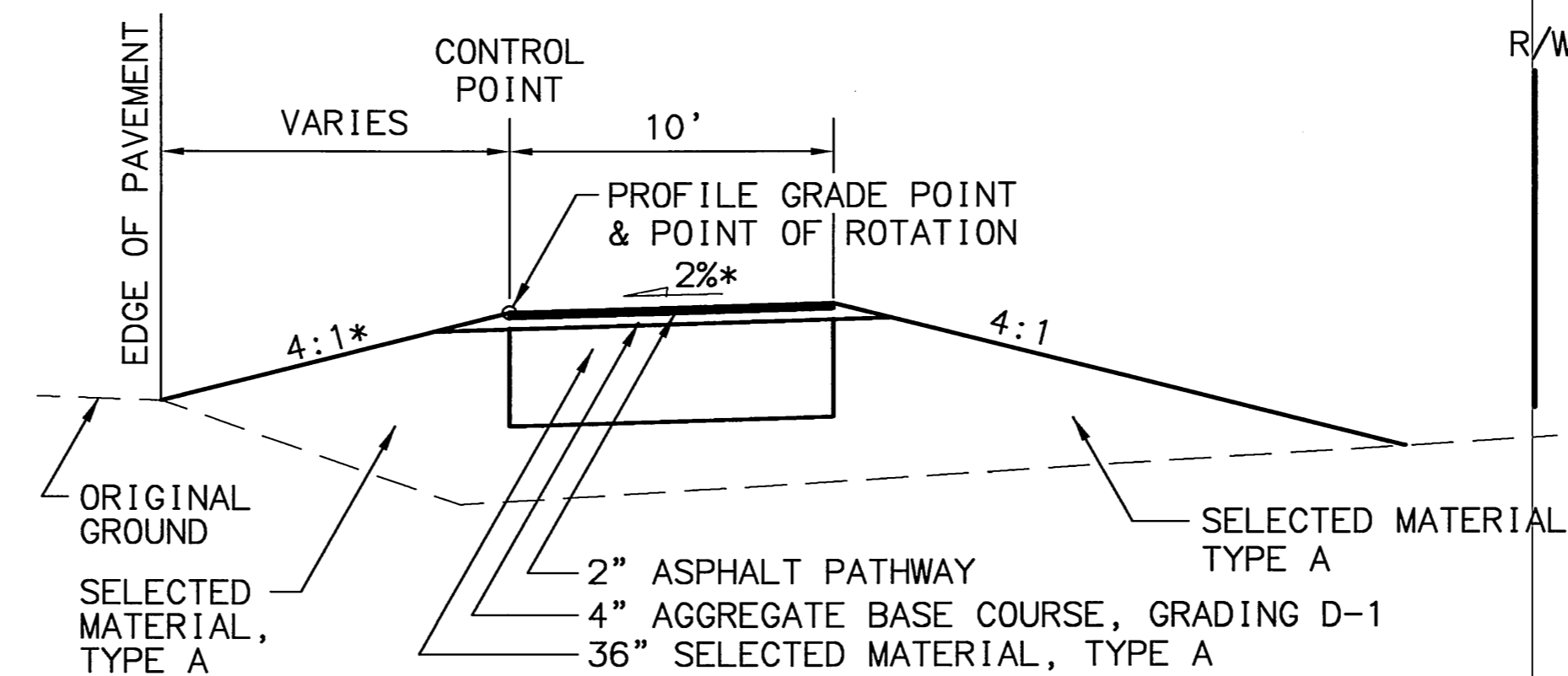
* WIDTH VARIES 5' TO 14' STA. 1522+30.00 TO STA. 1522+82.00
 ** STA. 1517+15.00 TO STA. 1522+82.00 4:1



PATHWAY JOINT

STA. 1502+60.00 TO STA. 1538+88.90
STA. 2000+00.00 TO STA. 2395+40.42

* SAW CUT WHEN PATHWAY MATCHES TO EDGE OF PAVEMENT.



PATHWAY APPROACH

STA. 2121+70.00 TO STA. 2124+80.00
STA. 2333+80.00 TO STA. 2336+30.00
STA. 2337+50.00 TO STA. 2339+20.00

* SHAPE FORESLOPE 4:1 OR FLATTER TO MATCH EDGE OF PAVEMENT.

DESIGNED BY: [REDACTED] CHECKED BY: [REDACTED] DRAFTED BY: [REDACTED]
 SCALE: 1"=5'
 COMPUTER DESIGNATION: AUTOCAD-PATHWAY/ANESSA-53922R3.TYP_KGB.DWG
 VIEW = 4

THOMAS P. MOLL
 REGISTERED PROFESSIONAL ENGINEER

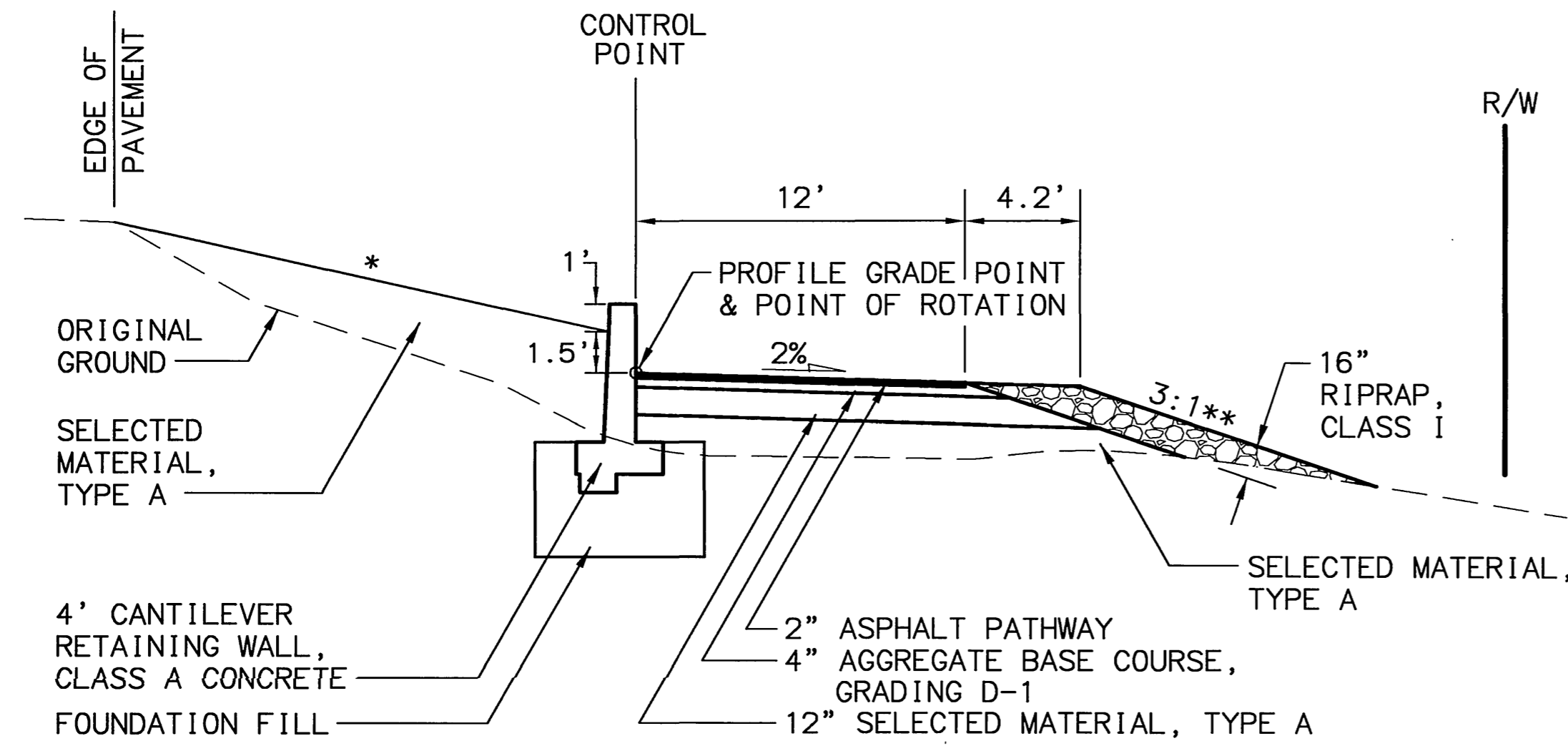
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND
 PUBLIC FACILITIES

**KNIK-GOOSE BAY ROAD
 REHABILITATION AND PATHWAY**

TYPICAL PATHWAY SECTIONS

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	CA-0525(11)/53922	2003	B5	B5
(1)	5/21/03	CHANGE WALL TYPE					

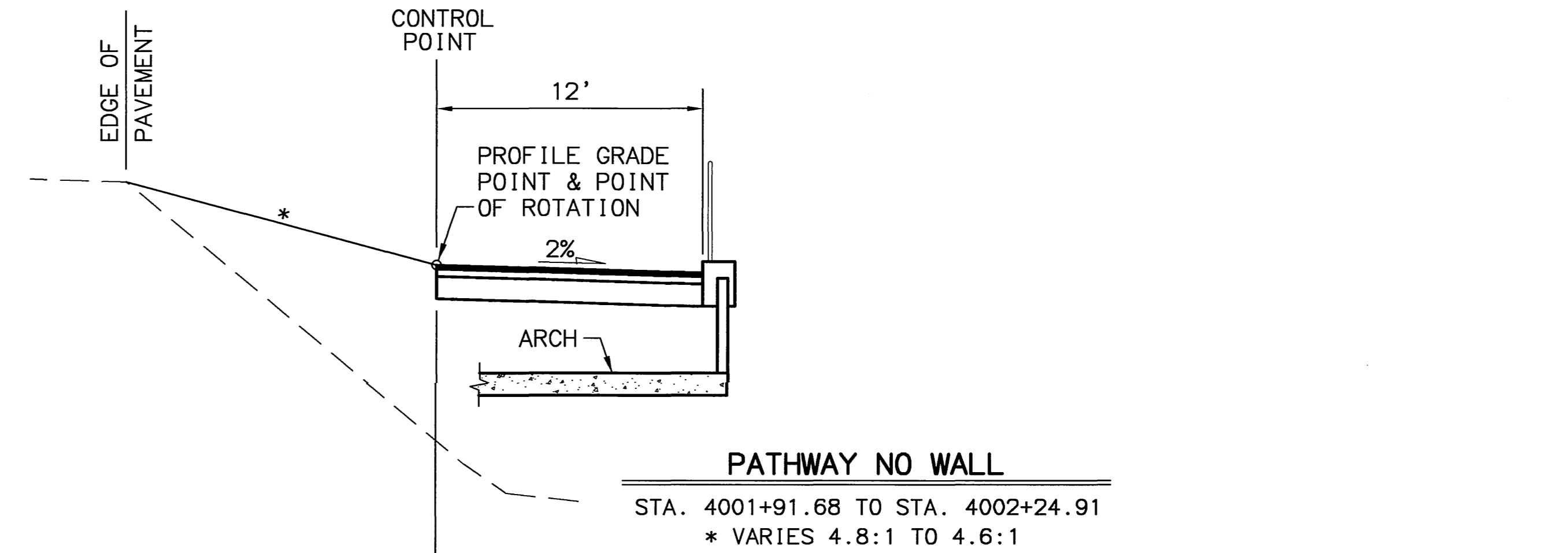
ADDENDUM # 1, ATTACHMENT # 1



PATHWAY

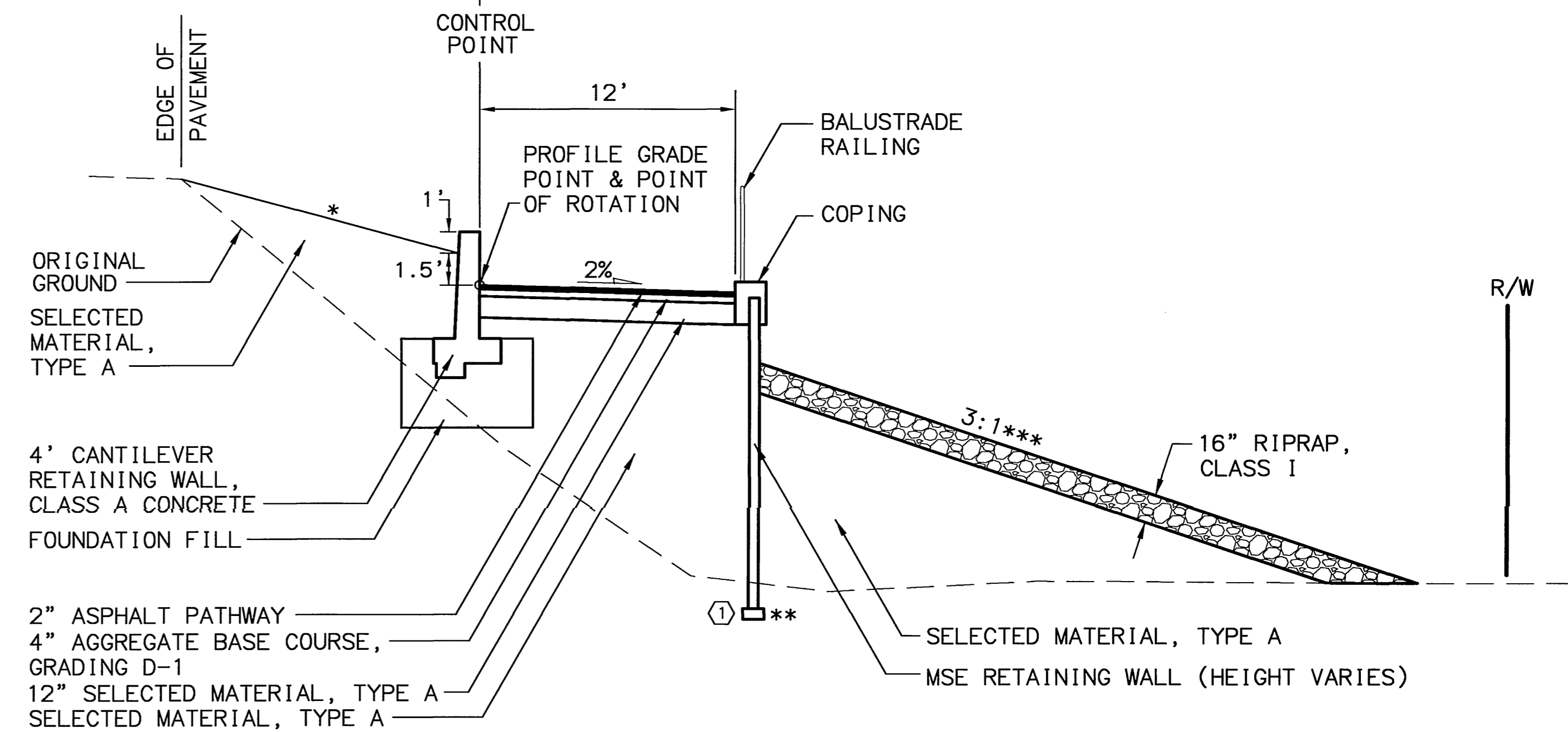
STA. 4000+00.00 TO STA. 4001+40.75
 STA. 4003+60.00 TO STA. 4003+83.00

* VARIES 7.5:1 TO 2:1
 ** STA. 4000+00.00 TO STA. 4000+10.00 3:1, NO RIPRAP
 STA. 4003+60.00 TO STA. 4003+83.00 2:1, NO RIPRAP



PATHWAY NO WALL

STA. 4001+91.68 TO STA. 4002+24.91
 * VARIES 4.8:1 TO 4.6:1

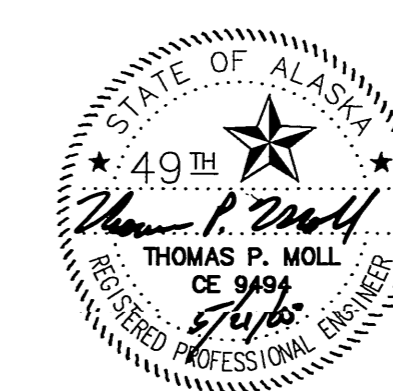


PATHWAY

STA. 4001+40.75 TO STA. 4003+60.00

* VARIES 6:1 TO 2.5:1
 ** SEE WALL DETAIL SHEETS
 *** RIPRAP, CLASS I
 STA. 4001+40.75 TO STA. 4001+72.84

SPECIFICATIONS
 SCALE 1"=5'
 COMPUTER DESIGNATION AUTOCAD-PATTI/VANESSA-53922R31.TYP.KGB.DWG
 DESIGNED BY
 CHECKED BY
 DRAFTED BY
 08/20/2003
 VIEW = 5



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND
 PUBLIC FACILITIES
 KNIK-GOOSE BAY ROAD
 REHABILITATION AND PATHWAY

TYPICAL PATHWAY SECTIONS

ESTIMATE OF QUANTITIES

ITEM NO.	ITEM	UNIT	QUANTITY
201(1A)	CLEARING	ACRE	94
201(2A)	GRUBBING	ACRE	132
201(4A)	HAND CLEARING	ACRE	33
202(1)	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	L.S.	ALL REQ'D
202(2)	REMOVAL OF PAVEMENT	YD ²	18,000
202(4)	REMOVAL OF CULVERT PIPE	L.F.	2,100
202(9)	REMOVAL OF CURB AND GUTTER	L.F.	1,450
203(3)	UNCLASSIFIED EXCAVATION	YD ³	62,000
203(6)	BORROW	TON	196,000
203(9B)	OBLITERATION OF DRIVEWAY	EACH	40
205(1)	EXCAVATION FOR STRUCTURES	YD ³	222
205(3)	FOUNDATION FILL	YD ³	301
301(1)	AGGREGATE BASE COURSE, GRADING D-1	TON	41,200
301(5)	SHOULDER GRADING	MILE	28.2
303(2)	RECONDITIONING	MILE	1.4
308(1)	CRUSHED ASPHALT BASE COURSE	YD ²	208,000
318(1)	FOAMED/EXPANDED ASPHALT TREATED BASE	YD ²	175,000
318(2)	ASPHALT CEMENT, PG 52-28	TON	1,850
318(3)	ADDITIVES	C.S.	ALL REQ'D
401(1B)	ASPHALT CONCRETE, TYPE II; CLASS B	TON	49,900
401(2)	ASPHALT CEMENT, GRADE 52-28	TON	2,750
401(6)	ASPHALT PRICE ADJUSTMENT	C.S.	ALL REQ'D
402(1)	STE-1 ASPHALT FOR TACK COAT	TON	36
501(4)	CLASS A CONCRETE	YD ³	142
507(9)	BALUSTRADE RAILING	L.F.	388
511(1)	MSE RETAINING WALL	FT ²	5,750
514(2)	GRAFFITI PROTECTION	FT ²	12,700
603(17-18)	18-INCH PIPE	L.F.	4,100
603(17-24)	24-INCH PIPE	L.F.	233
603(17-36)	36-INCH PIPE	L.F.	116
603(20-24)	END SECTION FOR 24 INCH PIPE	EACH	3
603(20-36)	END SECTION FOR 36 INCH PIPE	EACH	2
603(24)	SEGMENTAL PRECAST CONCRETE ARCH	L.F.	97
606(1)	W-BEAM GUARDRAIL	L.F.	7650.0
606(4)	CABLE GUARDRAIL	L.F.	300
606(6)	REMOVING AND DISPOSING OF GUARDRAIL	L.F.	4,031.5
606(9)	CONTROLLED RELEASE TERMINAL (CRT)	EACH	6
606(11)	EXTRUDER TERMINAL (ET-2000)	EACH	14
607(3)	CHAIN LINK FENCE	L.F.	1,550
608(7A)	ASPHALT PATHWAY	TON	5,900
611(1A)	RIPRAP, CLASS I	YD ³	1,350
611(1B)	RIPRAP, CLASS II	YD ³	458
611(1C)	RIPRAP, CLASS III	YD ³	1,050
611(6)	1/2 INCH TO 4 INCH ROCK	YD ³	348
611(7)	2 INCH TO 12 INCH ROCK	YD ³	1,100
615(1)	STANDARD SIGN	FT ²	2,050
615(4)	DELINEATOR, RIGID	EACH	1,050
616(1)	1.5 INCH DIAMETER THAW PIPE	L.F.	115
618(2A)	SEEDING, TYPE A	LB	6,650
618(3)	WATER FOR SEEDING AND PLANT MATERIALS	M GAL.	6,650

218.62
167.86
29.84
16,166
1,896
1,015
① 29,524
① 238,801
32
① 203
① 271
① 38,946
335,855
① 3,073
① 32.51
54,657
2,867
3.72
① 113.9
357.34
① 6,379
11,779
① 4,001
254
105
6,431
0
4,151
5
15
1,357

ESTIMATE OF QUANTITIES

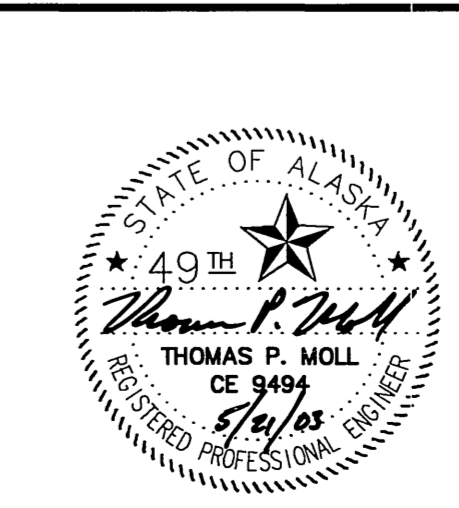
ITEM NO.	ITEM	UNIT	QUANTITY
619(2A)	JUTE MATTING	YD ²	6,750
619(5)	ROOTWAD	L.F.	670
620(1)	TOPSOIL	YD ²	171,000
622(6C)	INTERPRETIVE SIGN, TYPE C	EACH	3
630(1)	GEOTEXTILE, SEPARATION	YD ²	1,900
639(1)	RESIDENCE DRIVEWAY	EACH	102
639(2)	COMMERCIAL DRIVEWAY	EACH	53
640(1A)	MOBILIZATION AND DEMOBILIZATION	L.S.	ALL REQ'D
641(1A)	EROSION AND POLLUTION CONTROL ADMINISTRATION	L.S.	ALL REQ'D
641(3)	TEMPORARY EROSION AND POLLUTION CONTROL	L.S.	ALL REQ'D
641(4)	TEMPORARY EROSION AND POLLUTION CONTROL AMENDMENTS	C.S.	ALL REQ'D
641(5)	SILT FENCE	L.F.	9,400
642(1A)	CONSTRUCTION SURVEYING	L.S.	ALL REQ'D
642(3)	THREE PERSON SURVEY PARTY	HOUR	50
642(6)	REPLACE EXISTING WITH PRIMARY MONUMENT	EACH	50
642(7)	REPLACE EXISTING WITH SECONDARY MONUMENT	EACH	74
642(9)	REFERENCE EXISTING MONUMENT	EACH	124
643(2A)	TRAFFIC MAINTENANCE	L.S.	ALL REQ'D
643(15)	FLAGGING	C.S.	ALL REQ'D
643(20)	DETOUR	L.S.	ALL REQ'D
643(23A)	TRAFFIC PRICE ADJUSTMENT	C.S.	ALL REQ'D
643(25)	TRAFFIC CONTROL	C.S.	ALL REQ'D
644(1)	FIELD OFFICE	L.S.	ALL REQ'D
644(2)	FIELD LABORATORY	L.S.	ALL REQ'D
644(7A)	VEHICLE	EACH	5
645(1)	TRAINING PROGRAM, 3 TRAINEES/APPRENTICES	LABOR HOUR	1,500
646(1)	CPM SCHEDULING	L.S.	ALL REQ'D
647(2)	WIDE PAD DOZER, 65-HP MIN.	HOUR	40
660(3)	HIGHWAY LIGHTING SYSTEM COMPLETE	L.S.	ALL REQ'D
660(9)	BORED CASING 3-INCH MINIMUM DIAMETER	L.F.	446
661(3)	LOAD CENTER, TYPE 2	EACH	4
669(1)	AUTOMATED TRAFFIC RECORDER	EACH	9
670(1)	PAINTED TRAFFIC MARKINGS	L.S.	ALL REQ'D

8,471
424
256,297
① 3,093
① 115
① 72
4,401
46
0
1
1
DELETED
0
3,673
75
① 520
①

TABLE OF ESTIMATING FACTORS

ITEM NO.	ITEM	ESTIMATING FACTOR
203(6A)	BORROW, TYPE A	145 LB/FT ³
203(6C)	BORROW, TYPE C	145 LB/FT ³
301(1)	AGGREGATE BASE COURSE, GRADING D-1	148 LB/FT ³
318(2)	ASPHALT CEMENT, PG 52-28	3.0% WT. OF 318(1)
401(1B)	ASPHALT CONCRETE, TYPE II; CLASS B	153 LB/FT ³
401(2)	ASPHALT CEMENT, GRADE 52-28	5.5% WT. OF 401(1B)
402(1)	STE-1 ASPHALT FOR TACK COAT	0.0002 TON/S.Y.
608(7A)	ASPHALT PATHWAY	153 LB/FT ³

DESIGNED BY: 05/20/2003
 CHECKED BY: PL/MS/DF
 DRAWN BY: PL/MS/DF
 SCALE: 1"=1'
 COMPUTER DESIGNATION: AUTOGAD-PATTI/VANESSA-53922R2.EST_KGB.DWG



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

**KNIK-GOOSE BAY ROAD
REHABILITATION AND PATHWAY**

ESTIMATE OF QUANTITIES

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	CA-0525(11)/53922	2003	D1	D10
(1)	5/21/03	CHANGE VOLUMES					

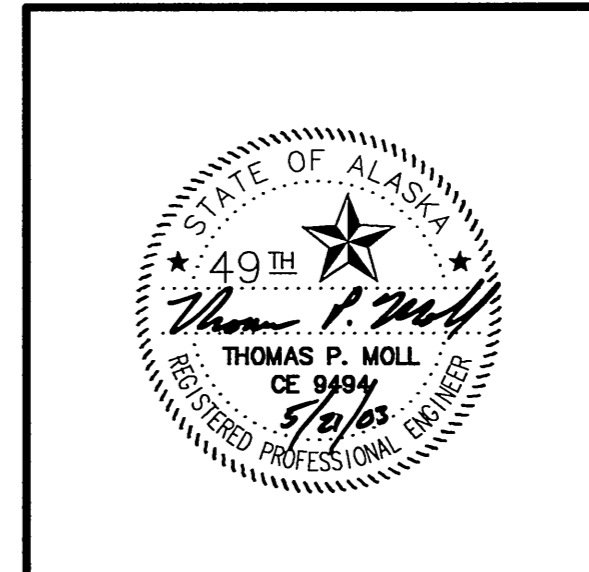
ADDENDUM # 1, ATTACHMENT # 1

SUMMARY OF ESTIMATED EARTHWORK

ROADWAY SEGMENTS	EXCAVATION			EMBANKMENT		
	UNCLASSIFIED EXCAVATION (YD ³)	EXCAVATION FOR STRUCTURES (YD ³)	SHRUNK USEABLE AS C (YD ³)	SELECTED MATERIAL, TYPE A (YD ³)	SELECTED MATERIAL, TYPE C (YD ³)	FOUNDATION FILL (YD ³)
TURN POCKET						
E. FRANK SMITH WY.	243	0	207	376	0	0
S. ENDEAVOR ST.	590	0	501	915	0	0
W. EDLUND RD.	1,980	0	1,683	4,421	7,071	0
S. CLAPP RD.	564	0	480	923	39	0
S. VINE RD.	3,442	0	2,926	5,049	94	0
S. SETTLER'S BAY DR.	2,015	0	1,712	3,881	1,461	0
WORK LOCATIONS						
STORAGE DITCH	3,295	0	2,801	677	0	0
ROAD SHOULDER REPAIR	0	0	0	514	0	0
DITCH AT S. CLAPP RD.	120	0	102	0	0	0
DITCH AT S. HARBOR VIEW	253	0	215	0	0	0
KNIK LAKE SPOT REPAIR	2,116	0	1,799	777	0	0
DIRT BERM	0	0	0	0	1,525	0
BUS PULLOUT	800	0	680	411	38	0
SCENIC PULLOUT	119	0	101	1,964	1,475	0
FISH CREEK MAIN ROAD (TYPICAL)	2,238	0	1,903	4,888	0	0
FISH CREEK ROAD EMBANKMENT	17,531	0	14,902	17,104	1,309	0
FISH CREEK STREAMBED	1,063	0	903	0	0	0
FISH CREEK WALLS	0	222	189	0	0	301
FISH CREEK SLOPE FLATTENING	26	0	22	0	426	0
EXISTING GRAVEL ROAD APPROACHES	6,806	0	5,785	5,723	0	0
	0	0	0	2,925	0	0
PATHWAYS						
RAILROAD AVE. TO GLENWOOD AVE.	1,900	0	1,615	8,682	1,262	0
GLENWOOD AVE. TO SETTLER'S BAY DR.	15,797	0	13,428	36,639	32,602	0
FISH CREEK	150	0	128	3,963	0	0
SUBTOTAL	61,048	222	52,082	99,832	47,302	301
LESS ESTIMATED USEABLE C					-52,082	
TOTAL	61,048	222		99,832	0	301
ESTIMATING FACTOR (LB/FT ³)				145	145	
PAY ITEM QUANTITY	61,048	222		195,421	0	301
TOTAL ROUNDED	62,000 (YD³)	222 (YD³)		196,000 (TON)	0 (TON)	301 (YD³)

SHRUNK USEABLE AS C = (EXCAVATION - WASTE) * 0.85

SPECIFICATIONS: AUTOGAD=PAITI/WANESSA-53922R2A\SUM_KGB.DWG
 SCALE: 1"=1'
 COMPUTER DESIGNATION: AUTOGAD=PAITI/WANESSA-53922R2A\SUM_KGB.DWG
 DESIGNED BY: [REDACTED]
 CHECKED BY: [REDACTED]
 DRAFTED BY: [REDACTED]
 VIEW = D1
 08/29/2003



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND
 PUBLIC FACILITIES

**KNIK-GOOSE BAY ROAD
 REHABILITATION AND PATHWAY**

SUMMARY SHEET

201(1A), 201(2A), 201(4A), 618(2A), 619(2A), 620(1)

CLEARING, GRUBBING, HAND CLEARING, SEEDING, JUTE MATTING, TOPSOIL

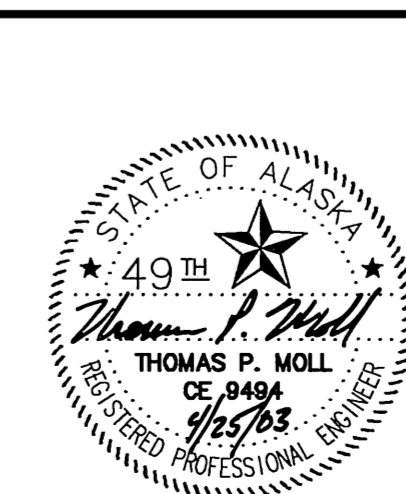
SHEET	STATION TO STATION	CLEARING 201(1A) (ACRE)	GRUBBING 201(2A) (ACRE)	HAND CLEARING 201(4A) (ACRE)	SEEDING 618(2A) (LB)	JUTE MATTING 619(2A) (YD ²)	TOPSOIL 620(1) (YD ²)
F1	10+00 TO 21+00	0.23	0.23	0.00	3.87	0.00	430.46
F2	21+00 TO 33+12	0.90	0.67	0.00	27.35	0.00	3039.20
F3	33+12 TO 44+78	0.74	0.74	0.00	19.72	0.00	2190.86
F4	44+78 TO 56+71	0.44	1.09	0.00	35.99	0.00	2181.13
F5	56+71 TO 68+82	1.34	2.67	0.00	104.52	0.00	6097.30
F6	68+82 TO 81+21	0.34	1.56	0.00	56.45	0.00	4853.23
F7	81+21 TO 93+17	0.34	1.00	0.00	34.23	0.00	2156.81
F8	93+17 TO 105+18	1.03	1.74	0.00	67.32	333.33	2544.63
F9	105+18 TO 116+90	1.40	1.83	0.00	67.78	78.02	1813.75
F10	116+90 TO 128+85	0.59	1.48	0.00	49.05	0.00	2713.92
F11	128+85 TO 140+69	0.04	1.39	0.00	70.64	0.00	7563.74
F12	140+69 TO 152+63	0.26	1.93	0.00	77.00	0.00	7597.46
F13	152+63 TO 164+88	1.07	2.51	0.00	97.65	2120.61	7123.64
F14	164+88 TO 176+79	1.08	1.77	0.00	67.00	0.00	2343.72
F15	176+79 TO 188+53	0.88	0.88	0.00	30.15	0.00	1996.49
F16	188+53 TO 200+49	1.01	1.60	0.00	58.71	0.00	1628.19
F17	200+49 TO 212+35	0.89	1.65	0.00	60.78	0.00	2477.09
F18	212+35 TO 224+25	1.06	1.73	0.00	66.73	0.00	2343.94
F19	224+25 TO 236+01	0.54	1.31	0.00	52.52	0.00	3270.40
F20	236+01 TO 247+83	0.67	1.69	0.00	57.75	0.00	3152.08
F21	247+83 TO 259+61	0.59	1.25	0.00	43.14	0.00	1791.25
F22	259+61 TO 271+63	0.88	1.56	0.00	56.76	0.00	1840.22
F23	271+63 TO 283+62	0.31	1.03	0.00	34.24	0.00	2285.68
F24	283+62 TO 295+56	0.03	0.90	0.00	28.29	0.00	2994.46
F25	295+56 TO 307+36	0.00	0.71	0.00	19.31	0.00	2144.77
F26	307+36 TO 319+21	0.14	0.85	0.00	27.90	0.00	2393.10
F27	319+21 TO 331+50	0.90	1.57	0.00	56.38	0.00	1919.84
F28	331+50 TO 343+50	0.90	1.71	0.00	61.36	175.12	2442.01
F29	343+50 TO 355+34	0.94	2.00	0.00	75.31	1207.08	3601.88
F30	355+34 TO 367+04	1.11	2.43	0.00	94.33	0.00	5196.15
F31	367+04 TO 378+82	1.27	2.58	0.00	88.62	0.00	4207.10
F32	378+82 TO 390+41	1.00	1.82	0.00	65.86	0.00	2752.36
F33	390+41 TO 402+23	0.91	1.71	0.00	62.63	368.66	2693.84
F34	402+23 TO 413+75	0.39	1.24	0.00	50.63	138.06	3736.37
F35	413+75 TO 425+80	0.57	1.49	0.00	53.37	0.00	3157.64
F36	425+80 TO 437+95	0.94	2.64	0.00	86.63	61.38	6411.63
F37	437+95 TO 450+00	1.97	2.60	0.00	102.53	0.00	1852.87
F38A	450+00 TO 462+00	2.34	2.34	0.00	103.27	0.00	132.14
F38B	462+00 TO 474+00	2.17	2.17	0.00	94.94	0.00	67.89
F39A	474+00 TO 486+00	1.47	1.47	0.00	65.64	0.00	172.26
F39B	486+00 TO 498+00	0.86	0.86	0.00	38.49	0.00	137.44
F40A	498+00 TO 510+00	1.03	1.03	0.00	45.45	0.00	87.67
F40B	510+00 TO 522+00	1.46	1.46	0.00	65.16	0.00	186.23
F41A	522+00 TO 534+00	1.14	1.14	0.00	51.59	0.00	210.03
F41B	534+00 TO 546+00	1.49	1.49	0.00	67.53	0.00	270.87
F42A	546+00 TO 558+00	2.56	2.56	0.00	113.51	0.00	217.54
F42B	558+00 TO 570+00	1.55	1.55	0.00	69.85	0.00	423.33

JUTE MATTING 4124.44 C.Y.

JUTE MATTING 2334.33 C.Y.

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	CA-0525(11)/53922	2003	D2	D10

SPECIFICATIONS: AUTOGRADE-PATHWAY/ANNESSA-53922(2A)SUM.KGB.DWG
 SCALE: 1"=100'
 COMPUTER DESIGNATION: AUTOGRADE-PATHWAY/ANNESSA-53922(2A)SUM.KGB.DWG
 VIEW: D2
 DESIGNED BY: PLW/AS/CA/DF
 CHECKED BY: PLW/AS/CA/DF
 DATED: 04/17/2003



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND
 PUBLIC FACILITIES
**KNIK-GOOSE BAY ROAD
 REHABILITATION AND PATHWAY**
 SUMMARY SHEET

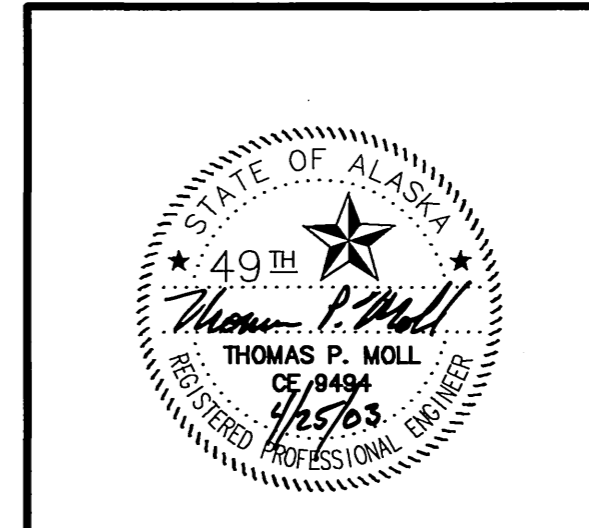
REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	CA-0525(11)/53922	2003	D3	D10

201(1A), 201(2A), 201(4A), 618(2A), 619(2A), 620(1)

CLEARING, GRUBBING, HAND CLEARING, SEEDING, JUTE MATTING, TOPSOIL

SHEET	STATION TO STATION	CLEARING 201(1A) (ACRE)	GRUBBING 201(2A) (ACRE)	HAND CLEARING 201(4A) (ACRE)	SEEDING 618(2A) (LB)	JUTE MATTING 619(2A) (YD ²)	TOPSOIL 620(1) (YD ²)
F43A	570+00 TO 582+00	1.94	1.94	0.00	84.62	0.00	0.00
F43B	582+00 TO 594+00	1.47	1.47	0.00	66.90	0.00	322.35
F44A	594+00 TO 606+00	1.82	1.82	0.00	83.43	0.00	453.30
F44B	606+00 TO 618+00	2.40	2.40	0.00	105.43	0.00	108.58
F45A	618+00 TO 630+00	1.93	1.93	0.00	86.74	0.00	302.33
F45B	630+00 TO 642+00	1.52	1.52	0.00	66.08	0.00	0.00
F46A	642+00 TO 654+00	1.82	1.82	0.00	79.91	0.00	62.51
F46B	654+00 TO 666+00	2.00	2.01	0.00	88.96	0.00	160.22
F47A	666+00 TO 678+00	2.48	2.48	0.00	109.21	0.00	133.86
F47B	678+00 TO 690+00	2.31	2.31	0.00	103.03	0.00	359.32
F48	690+00 TO 699+00	2.44	2.44	0.00	106.57	0.00	27.39
F49	699+00 TO 710+00	0.00	0.86	2.29	117.62	2127.49	4333.65
F50	710+00 TO 719+00	0.00	0.06	1.05	40.56	0.00	663.09
F51A	719+00 TO 731+00	0.00	0.19	2.17	102.42	0.00	940.35
F51B	731+00 TO 743+00	0.00	0.47	1.67	85.96	0.00	1494.54
F52A	743+00 TO 755+00	0.00	0.00	2.68	116.90	0.00	24.75
F52B	755+00 TO 767+00	0.00	0.00	2.42	106.38	0.00	215.31
F53A	767+00 TO 779+00	0.00	0.14	2.44	108.04	0.00	478.16
F53B	779+00 TO 791+00	0.00	0.41	2.30	101.22	0.00	1210.72
F54A	791+00 TO 803+00	0.00	0.00	1.26	56.54	0.00	181.23
F54B	803+00 TO 815+00	0.00	0.00	2.27	99.21	0.00	12.52
F55A	815+00 TO 827+00	0.00	0.00	2.62	114.29	0.00	28.37
F55B	827+00 TO 839+00	0.00	0.00	2.51	109.80	0.00	28.01
F56A	839+00 TO 851+00	0.00	0.00	3.45	150.13	0.00	0.00
F56B	851+00 TO 859+00	0.00	0.00	1.59	69.65	0.00	66.94
F57	859+00 TO 871+00	0.34	3.49	2.21	133.23	97.02	7902.53
F58A	871+00 TO 883+00	1.99	1.99	0.00	86.95	0.00	30.74
F58B	883+00 TO 895+00	2.02	2.02	0.00	88.96	0.00	94.40
F59A	895+00 TO 907+00	1.37	1.40	0.00	61.33	0.00	55.24
F59B	907+00 TO 919+00	1.75	1.92	0.00	84.68	0.00	132.45
F60A	919+00 TO 931+00	1.35	1.35	0.00	63.24	0.00	509.44
F60B	931+00 TO 943+00	2.54	2.54	0.00	111.08	0.00	56.94
F61A	943+00 TO 955+00	3.32	3.32	0.00	144.60	0.00	0.00
F61B	955+00 TO 967+00	3.57	3.57	0.00	157.80	0.00	284.99
F62A	967+00 TO 979+00	2.47	2.47	0.00	108.47	0.00	81.21
F62B	979+00 TO 991+00	1.28	1.44	0.00	63.04	0.00	830.54
F63A	991+00 TO 1003+00	0.68	1.61	0.00	69.97	0.00	4829.99
F63B	1003+00 TO 1015+00	0.44	1.37	0.00	59.73	0.00	5102.32
F64A	1015+00 TO 1027+00	0.54	1.28	0.00	55.97	0.00	4839.30
F64B	1027+00 TO 1039+00	0.57	1.69	0.00	73.79	0.00	5427.93
F65A	1039+00 TO 1051+00	0.24	1.37	0.00	59.77	0.00	5623.92
F65B	1051+00 TO 1057+20	0.46	0.81	0.00	35.42	0.00	2197.39
TOTAL ROUNDED		91	132	33	6650	6750	171000

SPECIFICATIONS: SCALE: 1"=1' COMPUTER DESIGNATION: AUTOCAD-PATTT/VANESSA-S3922R2A-SUM_KGB.DWG
 DESIGNED BY: CHECKED BY: DRAFTED BY: PL/AS/GS/DF 04/17/2003
 VIEW = D3



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND
 PUBLIC FACILITIES
 KNIK-GOOSE BAY ROAD
 REHABILITATION AND PATHWAY

SUMMARY SHEET

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	CA-0525(11)/53922	2003	D4	D10

202(4)

REMOVAL OF CULVERT PIPE

STATION	OFFSET	LENGTH (FT.)	REMARKS
211+00	RT.	30.00	
65+60	RT.	66.26	61
89+50	RT.	67.16	60
91+00	RT.	67.62	60
96+10	RT.	34.03	30
374+30	RT.	36.00	
130+40	LT.	46.18	38
137+30	LT.	44.59	38
144+30	LT.	39.11	35
146+20	RT.	56.36	51
148+70	LT.	67.14	60
1526+00/36+00	RT.	120.00	
203+60	RT.	33.52	
213+70	RT.	74.98	68
274+20	RT.	44.22	38
1006+00	RT.	19.00	FOUND IN DITCH LINE
312+20	RT.	77.42	
313+40	LT.	36.47	24
360+70	RT.	44.21	
366+10	RT.	53.49	48
370+46	℄	53.89	71
382+80	RT.	50.35	42
386+20	RT.	56.58	48
306+00	RT.	30.00	
405+65	RT.	67.11	55
415+80	RT.	56.02	40
456+40	RT.	36.71	30
493+85	LT.	35.35	30
433+90	LT.	34.00	
523+50	LT.	44.19	32
545+80	LT.	33.23	30
549+50	RT.	33.17	30
582+20 10	RT.	34.26	30
599+00	RT.	36.00	
606+40	RT.	40.21	30
623+25	RT.	39.60	32
627+40	RT.	49.57	40
674+75-31	℄	75.08	60
600+30	RT.	50.00	
716+60-80	RT.	51.01	47
733+50	RT.	38.95	26
735+80	LT.	92.10	79
759+70	LT.	32.05	28
762+20	LT.	45.04	35
779+30-05	RT.	54.92	50
999+70	RT.	24.00	FOUND IN DITCH LINE
920+15	LT.	35.35	
958+50	RT.	34.25	
959+60	LT.	37.90	
967+60	LT.	33.43	
107+95	℄	7.00	
1026+10	RT.	42.96	
125+60	RT.	11.00	
TOTAL ROUNDED		2100	1894
285+10	℄	6.00	

203(9B)

OBLITERATION OF DRIVEWAY

STATION	OFFSET	REMARKS
71+70	LT.	
76+50	LT.	OBLITERATED, REBUILT BY IWA #6
93+26	LT.	
96+10	RT.	
98+00	LT.	
137+35	RT.	
146+20	RT.	REBUILT BY IWA #6 AT 145+00, RT.
160+60	RT.	
164+40	LT.	
173+90	RT.	
185+20	LT.	
187+60	RT.	
211+00	RT.	
213+75	LT.	HERITAGE FARM ROAD
248+60	RT.	
257+30	LT.	
306+00	RT.	
313+40	LT.	REBUILT BY IWA #6
317+80	LT.	
360+80	RT.	
374+30	RT.	
415+90	LT.	
422+50	RT.	
433+90	LT.	
456+40	RT.	REBUILT BY OWNER AT 455+35, RT.
485+90	RT.	REBUILT BY OWNER, GRAVEL, NO CULVERT
523+50	LT.	
545+80	LT.	
549+50	RT.	
582+10	RT.	REBUILT BY IWA #6
599+00	RT.	
606+40	RT.	
623+30	RT.	
759+70	LT.	REBUILT BY IWA #16
762+20	LT.	
920+20	LT.	
958+50	RT.	
959+60	LT.	
967+70	LT.	
1006+00	RT.	
1005+70	LT.	
1026+10	RT.	

202(1)

REMOVAL OF STRUCTURES AND OBSTRUCTIONS

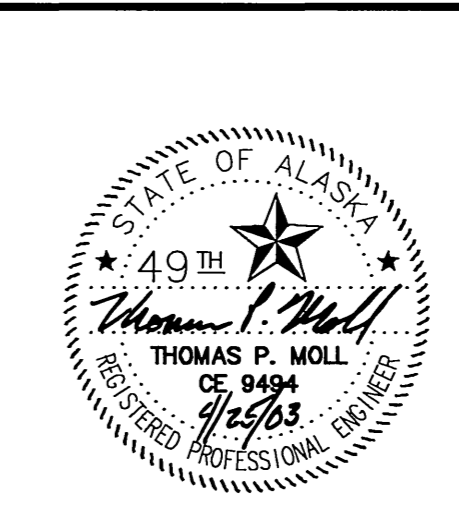
STATION	OFFSET	REMARKS
134+00	LT.	CHURCH PARKING LOT WITHIN R/W
228+30	RT.	TESORO SIGN AND FOUNDATION
228+30	RT.	TESORO PARKING LOT WITHIN R/W
243+00	LT.	RUINS FOUNDATION IN R/W
487+84	LT.	LARGE ROCK
716+43	RT.	KNIK LAKE BAR SIGN
861+40	RT.	VEHICLE
864+42	℄	EXISTING 12.75' CULVERT
864+59	℄	EXISTING 12.75' CULVERT
864+65	RT.	EXISTING HEADWALL
988+00	LT.	FENCE INSIDE OF R/W
1028+00	RT.	VEHICLE
1043+80	RT.	VEHICLE

202(9)

REMOVAL OF CURB AND GUTTER

STATION TO STATION	OFFSET	LENGTH (FT.)	REMARKS ASBUILT LENGTH
711+07 TO 714+02	LT.	325	0
862+66 TO 863+85	LT.	119	119
862+68 TO 867+69	RT.	501	501
864+40 TO 868+02	LT.	362	362
TOTAL ROUNDED		1450	982

SPECIFICATIONS: AUTOGAD-PATTI/VANESSA-ES922R2.SUM.LGS.DWG
 SCALE: 1"=40'
 COMPUTER DESIGNATION: AUTOGAD-PATTI/VANESSA-ES922R2.SUM.LGS.DWG
 VIEW: D4
 DESIGNED BY: [blank]
 CHECKED BY: [blank]
 DATED BY: P/AS/CS/DF
 04/17/2003



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND
 PUBLIC FACILITIES
 KNIK-GOOSE BAY ROAD
 REHABILITATION AND PATHWAY

SUMMARY SHEET

641(5)

SILT FENCE

SHEET	STATION TO STATION	OFFSET	LENGTH (FT.)	REMARKS
F14	170+26 TO 174+00	RT.	374	WETLANDS NEAR PATHWAY
F14	171+30 TO 171+33	RT.	22	WETLANDS NEAR PATHWAY
F14	171+34 TO 173+81	RT.	275	WETLANDS NEAR PATHWAY
F14	173+98 TO 174+68	RT.	84	WETLANDS NEAR PATHWAY
F34	406+91 TO 408+48	LT.	180	WETLANDS NEAR GRUBBING
F34	408+74 TO 409+45	LT.	98	WETLANDS NEAR GRUBBING
F34	405+96 TO 408+00	LT.	204	
F44B	611+20 TO 615+00	RT.	439	WETLANDS NEAR GRUBBING
F46B	664+20 TO 666+00	LT.	208	WETLANDS NEAR GRUBBING
F47A	665+80 TO 667+82	RT.	224	WETLANDS NEAR GRUBBING
F49	707+04 TO 708+33	LT.	147	WETLANDS NEAR SPOT REPAIR
F50	708+58 TO 713+46	LT.	540	WETLANDS NEAR HAND CLEARING
F50	713+57 TO 715+07	LT.	182	WETLANDS NEAR HAND CLEARING
F51A	719+42 TO 721+89	RT.	272	WETLANDS NEAR HAND CLEARING
F44B	613+00 TO 616+82.5	RT.	382.5	WETLANDS NEAR GRUBBING
F57	860+07 TO 860+90	RT.	130	FISH CREEK
F57	861+27 TO 861+34	RT.	46	FISH CREEK
F57	860+79 TO 862+60	LT.	262	FISH CREEK
F57	861+80 TO 864+30	RT.	273	FISH CREEK
F57	862+40 TO 868+60	LT.	1455	FISH CREEK
F57	862+70 TO 863+25	LT.	96	FISH CREEK
F57	863+00 TO 863+80	LT.	110	FISH CREEK
F57	863+00 TO 864+20	RT.	174	FISH CREEK
F57	863+10 TO 866+85	LT.	411	FISH CREEK
F57	863+29 TO 864+85	RT.	184	FISH CREEK
F57	863+40 TO 864+00	LT.	72	FISH CREEK
F57	863+80 TO 864+20	LT.	89	FISH CREEK
F57	864+00 TO 864+40	RT.	181	FISH CREEK
F57	864+00 TO 864+50	℄	146	FISH CREEK
F57	864+04 TO 864+54	LT.	171	FISH CREEK
F57	864+40 TO 864+80	RT.	169	FISH CREEK
F57	864+40 TO 864+80	LT.	125	FISH CREEK
F57	864+41 TO 864+81	LT.	168	FISH CREEK
F57	864+60 TO 865+20	RT.	158	FISH CREEK
F57	864+75 TO 865+15	LT.	204	FISH CREEK
F57	864+77 TO 865+17	LT.	110	FISH CREEK
F57	864+80 TO 865+35	RT.	61	FISH CREEK
F57	864+82 TO 866+75	RT.	213	FISH CREEK
F57	864+83 TO 866+60	RT.	207	FISH CREEK
F57	864+85 TO 864+90	RT.	114	FISH CREEK
F57	865+00 TO 865+39	RT.	104	FISH CREEK
F57	865+01 TO 865+03	RT.	49	FISH CREEK
F57	865+02 TO 865+04	RT.	45	FISH CREEK
F57	865+40 TO 865+45	RT.	64	FISH CREEK
F57	865+40 TO 865+75	RT.	90	FISH CREEK
F57	865+40 TO 867+80	LT.	288	FISH CREEK
F57	865+41 TO 865+47	LT.	179	FISH CREEK
F57	865+56 TO 865+74	℄	115	FISH CREEK
F57	865+62 TO 865+72	RT.	82	FISH CREEK
F57	866+51 TO 867+57	LT.	143	FISH CREEK
F57	866+58 TO 867+17	RT.	76	FISH CREEK
F57	866+60 TO 867+20	RT.	81	FISH CREEK
F57	867+03 TO 867+61	RT.	71	FISH CREEK
TOTAL ROUNDED			9400	

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	CA-0525(11)/53922	2003	D5	D10

301(5)

SHOULDER GRADING

STATION TO STATION	OFFSET	LENGTH (MILE)	REMARKS
240+60 TO 707+05	LT.	8.83	
240+60 TO 707+05	RT.	8.83	
708+25 TO 863+00	LT.	2.93	
708+25 TO 863+00	RT.	2.93	
866+50 TO 988+93	LT.	2.32	
866+50 TO 988+93	RT.	2.32	
TOTAL ROUNDED		28.2	

507(9)

BALUSTRADE RAILING

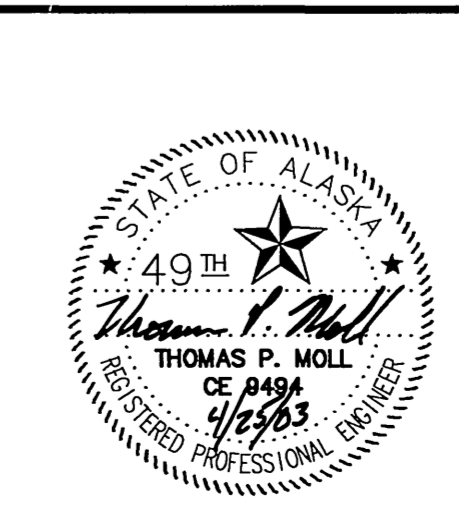
STATION TO STATION	OFFSET	LENGTH (FT.)	REMARKS AS BUILT LENGTH
864+52 TO 866+72	56.24' RT.	242.52	UPSTREAM 220.8
864+40 TO 865+71	32.69' LT.	144.57	DOWNSTREAM 134.17
TOTAL ROUNDED		388	357.34

616(1)

1.5 INCH DIAMETER THAW PIPE

STATION	OFFSET	SKEW ANGLE	SIZE (IN.)	LENGTH (FT.)	REMARKS
674+31	℄	-40	1.5	115 95	

SPECIFICATIONS: SCALE 1"=1' COMPUTER DESIGNATION: AUTOCAD=PART1\WANSSE-53922\2\SUM_LGB.DWG
 DESIGNED BY: CHECKED BY: DRAFTED BY: 04/21/2003
 VIEW = DS



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND
 PUBLIC FACILITIES
**KNIK-GOOSE BAY ROAD
 REHABILITATION AND PATHWAY**

SUMMARY SHEET

REVISIONS		STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE					
(1)	5/21/03	ALASKA	CA-0525(11)/53922	2003	D6	D10

ADDENDUM # 1, ATTACHMENT # 1

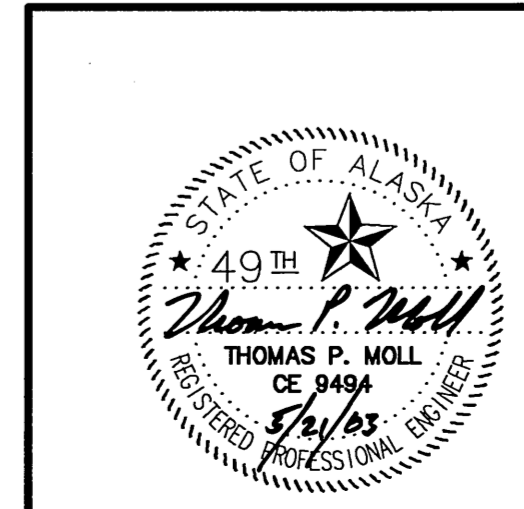
603(17-18), 603(17-24), 603(17-36), 603(20-24), 603(20-36)

CULVERT PIPE SUMMARY (PATHWAY)

SHEET	PATHWAY STATION	OFFSET	SKEW ANGLE	18-INCH PIPE	24-INCH PIPE	36-INCH PIPE	END SECTIONS	INVERT ELEVATIONS		SLOPE %	REMARKS
								IN	OUT		
	2023+95	RT.		28							ADDED PIPE
P2-2	1522+95	℄	45	44							
P3-1	1528+30	℄	-30	55							
P4-1	1538+42	℄	-25	48 40							
P4-2	2000+36	℄	50	43 27							
P4-3	2005+70	℄	-35	29 30							PIPE BLOCKED TO AVOID FLOODING SENIOR CITIZEN AREA.
	2014+22										
(1) P5-1	2013+42	℄	-55	64							
(1) P5-2	2015+72 70	27.1 RT.	90	57 50							
(1) P5-3	2016+93 97	℄	50	61 60							
	2035+00	LT.	90	24							ADDED PIPE
P7-1	2037+38	℄	-65	94							
P7-2	2039+30	21.4 RT.	90	77 80							
P7-3	2039+90	4.5 RT.	-5		22' II						
P7-4	2040+80	23.2 RT.	90	81 68							
P7-5	2042+35	℄	60	94 96							
P8-1	2054+50	℄	0	53 40							
P9-1	2057+82	℄	-5		50 48		1				EXTENSION OF ROADWAY CULVERT END
P10-2	2078+03	℄	-60	64							
P11-2	2081+02	℄	55	57 56							
P11-4	2088+60	℄	-5	50							
P12-1	2093+77	℄	45	80							
P14-1	2116+20	℄	-65	95							
P14-2	2119+61	℄	65	57 56							
P14-3	2121+38	℄	-40	41 40							
	2130+25	℄		60							ADDED PIPE
P17-1	2162+69	℄	-50	57 60							
P18-1	2164+30	22.6 RT.	85	83 84							
P18-2	2165+80	℄	60	60							
P18-3	2174+48	℄	10	35							
	2185+23	RT.		28							ADDED PIPE
P20-1	2192+00	℄	-50	47 48							
P20-2	2195+17	℄	50	49							
P21-1	2200+15	℄	-5	28							
	2174+17	℄			26'						EXTEND EXISTING ROADWAY PIPE
P22-1	2211+70	℄	-15	30							
P23-1	2224+03	℄	-60	89 88							
P23-2	2225+40	23.2 RT.	85	48							
P23-3	2226+85	℄	60	75 74							
P24-1	2235+06	℄	-10	32							
P24-2	2236+43	20.0 RT.	5		20		1				EXTENSION OF ROADWAY CULVERT END
P24-3	2246+02	℄	0	29 30							
P26-1	2262+38	℄	-55	73 74							
P26-2	2263+87	26.0 RT.	90	80 66							
P26-3	2265+57	℄	60	87 88							
P26-4	2270+00	℄	0	24							
P18-3	2173+79	℄	10	40							

73+43 LT. 2-18" SQUASH PIPES ADDED UNDER S. FERN STREET
73+43 RT. 28

SPECIFICATIONS: SCALE: 1"=1' COMPUTER DESIGNATION: AUTOCAD-PATTI/VANESSA-53922R2.SUM_KGB.DWG
 DESIGNED BY: IR/MS/CI CHECKED BY: IR/MS/CI DRAFTED BY: IR/MS/CI
 VIEW = D6
 DATE: 05/20/2003



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

KNIK-GOOSE BAY ROAD
REHABILITATION AND PATHWAY

SUMMARY SHEET

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	CA-0525(11)/53922	2003	D7	D10
(1)	5/21/03	CHANGE CULVERTS					

ADDENDUM # 1, ATTACHMENT # 1

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

CULVERT PIPE SUMMARY (PATHWAY)

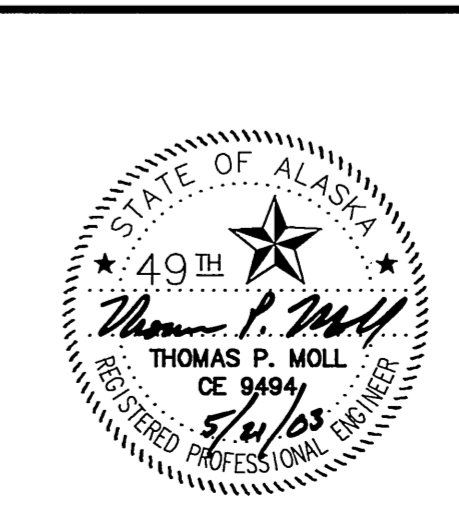
SHEET	PATHWAY STATION	OFFSET	SKEW ANGLE	18-INCH PIPE	24-INCH PIPE	36-INCH PIPE	END SECTIONS	INVERT ELEVATIONS		SLOPE %	REMARKS
								IN	OUT		
	2312+66	RT.		26							ADDED PIPE
P28-1	2285+50	CL	0	29 28							
P29-1	2306+15	CL	10	28 24							
P30-1	2307+26	CL	-60	73 74							
P30-2	2309+29	37.8 RT.	-85	64				304.50	303.50	1.57	
P30-3	2310+87	CL	35	71 70							
P30-4	2318+04	11.9 LT.	90	45 48							
	2310+20	LT.	90	20							
P31-2	2323+93	CL	10	30 25							
P32-1	2333+79	CL	-70	96 98							
P32-2	2335+18	20.6 RT.	90	56 52							
P32-3	2336+29	CL	40	34 36							
P32-4	2337+50	CL	-45	42 44							
P32-5	2338+70	20.5 RT.	90	58 50							
P32-6	2340+05	CL	35	53 24							
P33-1	2346+21	CL	-20	36							
P33-2	2349+09	CL	55	50							
P34-1	2357+17	CL	-40	50							
P34-2	2358+50	43.7 RT.	-85	64							
P34-3	2360+32	CL	40	88 84							
P34-4	2365+01	CL	0	31 24							
P35-1	2367+62	CL	-50	37 38							
P35-2	2368+90	22.0 RT.	90	57 44							
P35-3	2370+16	CL	50	36							

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

CULVERT PIPE SUMMARY (ROAD)

SHEET	ROAD STATION	OFFSET	SKEW ANGLE	18-INCH PIPE	24-INCH PIPE	36-INCH PIPE	END SECTIONS	INVERT ELEVATIONS		SLOPE %	REMARKS
								IN	OUT		
P2-1	24+46	38.4 RT.	0	8	23						
P5-4	66+70	52.8 LT.	90	54							
P10-1	125+60	32.2 RT.	0		11	15	1				EXTENSION OF ROADWAY CULVERT END
P11-1	130+40	38.2 LT.	90	57 56							
P11-3	137+40	54.1 LT.	78	53 54							
P12-2	144+35	52.6 LT.	-85	44							
P12-3	148+90	47.7 LT.	90	41 66							
	225+75	RT.			40						
P31-1	370+46	CL	0		103 100						
P44A-1	600+30	32.5 RT.	90	74 63							
P45A-1	627+40	32.5 RT.	90	63 65							
P47A-1	674+31	CL	-40			116 90	2	90.72	88.61	1.83	INSTALL THAW PIPE, DITCH EXISTING CHANNEL TO ROW
F6	73+50	45' RT.	0		60						
P50-1	716+80	32.0 RT.	90	63 72							
P51B-1	733+50	35.1 RT.	90	61 62							
P51B-2	735+80	28.6 LT.	90	40 92							
P53A-1	778+50	28.8 LT.	-85	60							
P53A-2	779+05	32.9 RT.	90	58 82							
P53B-1	780+80	27.2 LT.	90	62 72							
	868+10	50.0 RT.	90		26						
	TOTAL ROUNDED			1 4100	233	116	5				

SPECIFICATIONS: SCALE: 1"=40' COMPUTER DESIGNATION: AUTOCAD-PATTI/VANESSA-53922A.SUM.KGS.DWG
 DESIGNED BY: VIEW = D7
 CHECKED BY: DRAFTED BY: PJA/MS/GJ
 DATE: 05/19/2003



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND
 PUBLIC FACILITIES
 KNIK-GOOSE BAY ROAD
 REHABILITATION AND PATHWAY

SUMMARY SHEET

REVISIONS		STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE					
		ALASKA	CA-0525(11)/53922	2003	D8	D10

606(1), 606(4), 606(6), 606(9), 606(11)

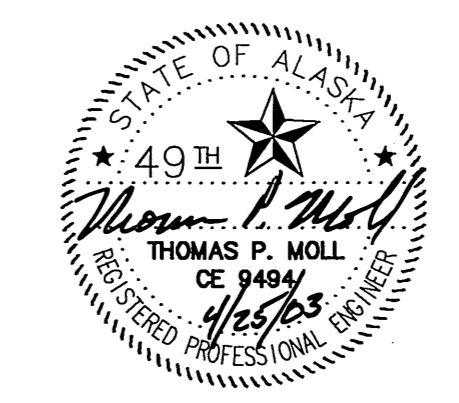
GUARDRAIL SUMMARY

STATION TO STATION	OFFSET	W-BEAM GUARDRAIL (FT.)	CABLE GUARDRAIL (FT.)	REMOVAL (FT.)	CONTROLLED RELEASE TERMINALS (CRT) (EACH)	EXTRUDER TERMINAL ET-2000 (EACH)	BATTER BOARD (FT.)	REMARKS
661+10.0 TO 670+72.5	RT.	1062.50 903.5				2	1062.50	
661+39.1 TO 672+26.6	LT.	1200.00 678.5				2	1200.00	
662+78.9 TO 670+02.9	LT.			797.50 135.0				
663+28.8 TO 669+05.1	RT.			638.00 585.0				
703+84.2 TO 718+83.0	LT.	1550.00 1219.0			2-1	2-3		
703+84.2 TO 713+50.0	LT.						1062.50	
738+56.3 TO 744+13.6	RT.	600.00 480.0				2		
738+72.2 TO 746+13.9	LT.	825.00 702.0				2		
740+28.5 TO 744+13.6	RT.						425.00	
738+37.5 TO 743+46.4	RT.			555.50 619.0				
739+69.3 TO 744+43.7	LT.			533.50 475.0				
778+70 TO 780+62	LT.	260.0						SCENIC VIEWPOINT
778+46.0 TO 780+86.0	LT.		300.00					
796+43.2 TO 801+28.5	RT.	537.50 412.5				2		
797+66.5 TO 802+44.5	LT.	525.00 425.0			1	1		
798+62.4 TO 800+15.6	LT.			170.50 173.0				
798+62.6 TO 800+14.2	RT.			170.50 173.0				
861+37.0 TO 868+12.6	LT.	737.50			1	1		
862+02.2 TO 867+64.7	RT.	612.50			2			
862+66.5 TO 868+17.8	LT.			610.50 585.0				
862+68.3 TO 867+69.2	RT.			555.50 558.0				
TOTAL ROUNDED		7650.0	300.0	4031.5	6	14	3750.0	
		6430.5	0		5	15		

607(3)

CHAIN LINK FENCE

STATION TO STATION	OFFSET	LENGTH (FT.)	HEIGHT (FT.)	REMARKS	ASBLT. LENGTH
725+60 TO 732+49					
726+14 TO 732+74	58.42' RT.	731	6	DIRT BERM	6890
863+03 TO 863+73	91.50' RT.	125	8	UPSTREAM, NORTHWEST	100.2
864+25 TO 864+66	139.63' LT.	222	8	DOWNSTREAM, NORTHEAST	169.3
864+62 TO 865+48	139.49' LT.	239	8	DOWNSTREAM, SOUTHEAST	182.6
864+88 TO 865+09	118.19' RT.	125	8	UPSTREAM, NORTHWEST	118.3
865+45 TO 865+58	109.89' RT.	105	8	UPSTREAM, SOUTHWEST	97.3
TOTAL ROUNDED		1550			
		1356.7			



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES
**KNIK-GOOSE BAY ROAD
REHABILITATION AND PATHWAY**

SUMMARY SHEET

SPECIFICATIONS: AUTOCAD=PATI/VANESSA-53922R2.SVL LGS.DWG
 SCALE: 1"=40'
 COMPUTER DESIGNATION: AUTOCAD=PATI/VANESSA-53922R2.SVL LGS.DWG
 DESIGNED BY: [REDACTED]
 CHECKED BY: [REDACTED]
 DRAFTED BY: PL/MS/AJ
 VIEW = D8
 04/17/2003

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	CA-0525(11)/53922	2003	D9	D10
(1)	5/21/03	CHANGE APPROACH					

ADDENDUM # 1, ATTACHMENT # 1

639(1), 639(2)

DRIVEWAYS

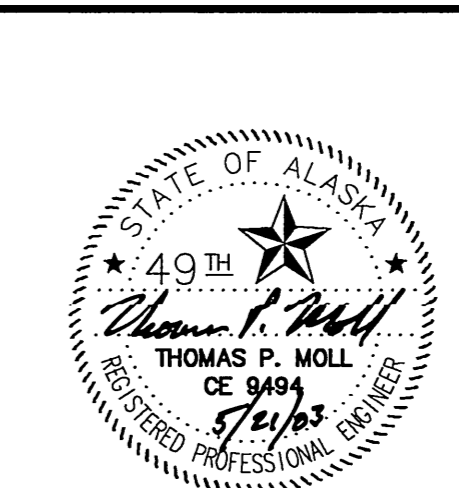
STATION	COM.	RES.	OFFSET	LT. RAD.	RT. RAD.	WIDTH	REMARKS
73+50	X		RT	40	40		NEW SUBDIVISION
65+60	X		RT.	40	40	23.00	E. FRANK SMITH WAY
66+70	X		LT.	40	40	26.00	
73+40	X		LT.	40	40	23.00	S. FERN STREET
80+60		X	LT.	20	20	17.20	
83+10	X	*	LT.	20 40	20 40	19.59	BUSINESS APPROACH
76+60		X	LT	20	20		OBLITERATED, THEN REINSTALLED
84+70		X	LT.	20	20	18.38	WILSON'S VIDEO / ESPRESSO
88+70		X	LT.	20	20	20.00	KNIK BUILDING SUPPLY
89+50	X		RT.	40	40	32.98	TEXACO STATION
91+00	X		RT.	40	40	33.00	TEXACO STATION
94+10		X	LT.	20	20	19.62	
84+90	X		RT.	40	40		NEW SUBDIVISION
98+00		X	RT.	20	20	13.66	
99+90		X	RT.	20	20	13.00	
101+00		X	LT.	20	20	14.70	
116+40		X	RT.	20	20	20.00	BALLFIELD
124+50		X	RT.	20	20	20.00	IDITROD TRAIL HQ
129+50	X		RT.	40	40	24.06	S. ENDEAVOR STREET
130+50		X	LT.	20	20	20.00	WASILLA CHURCH
137+35-50		X	LT.	20	20	19.44	PIZZA / BUSINESSES
141+50	X		RT.	40	40	27.50	W. MINNETONKA DRIVE
144+30		X	LT.	20	20	20.00	ESPRESSO
145+00		X	RT	20	20		SUBSTATION ACCESS - ENSTAR
146+20	X		LT.	40	40	23.00	W. EDLUND ROAD
148+80		X	LT.	20	20	13.03	NORTHERN DOME CONSTRUCTION
151+40		X	LT.	20	20	14.90	
167+60	X		RT.	40	40	27.94	S. LAKEWOOD DRIVE
173+90		X	LT.	20	20	17.52	ABC RENTALS/PIT
185+00	X		LT.	40	40		ABC RENTALS - 3RD APPROACH, NOT OBLIT.
181+30	X		LT.	40	40	32.98	ABC RENTALS
187+00	X		LT.	40	40	26.61	
192+00		X	RT.	20	20	13.82	
193+10	X	*	RT.	20 40	20 40	14.52	MJM SERVICES
195+20		X	LT.	20	20	14.16	
191+50	X		LT.	40	40		NEW SUBDIVISION, S.DONNA'S WAY
196+80		X	RT.	20	20	18.76	ABBAY'S AUTO, PAVED APRONS
203+60		X	RT.	20	20	18.34	NEW STONEBRIDGE SUBDIVISION
213+70	X		RT.	40	40	32.89	S. MACK DRIVE
225+70	X		LT.	40	40	29.37	W. FAIRVIEW LOOP ROAD
225+80	X		RT.	40	40	33.69	TESORO
213+80	X		LT.	40	40		NEW HERITAGE FARMS
229+50	X		RT.	40	40	33.01	TESORO
242+30		X	LT.	20	20	17.65	S. OLD KNIK ROAD
242+70	X		RT.	40	40	23.00	S. CLAPP ROAD
248+60	X		LT.	40	40	23.00	S. CARYSHEA STREET
232+77	X		RT.	40	40		NEW STORAGE FACILITY
274+20	X		RT.	40	40	23.15	DONAVAN DRIVE
274+20	X		LT.	40	40	23.37	S. DONAVAN DRIVE
278+20		X	RT.	20	20	14.00	BIRCH HARBOR BAPTIST CHURCH
284+50		X	LT.	20	20	19.97	
219+00		X	LT.	20	20		

639(1), 639(2)

DRIVEWAYS

STATION	COM.	RES.	OFFSET	LT. RAD.	RT. RAD.	WIDTH	REMARKS
313+40		X	LT.	20	20		
286+40	X		RT.	40	40	23.13	S. PARTCH DRIVE
289+00		X	LT.	20	20	13.26	
291+80		X	LT.	20	20	13.26	
298+90		X	RT.	20	20	13.00	
310+00		X	LT.	20	20	15.12	COUNTRY DRIVE
320+33	X		LT.	40	40		PINNACLE PEAK
312+20	X		RT.	40	40	24.80	S. FOOTHILLS BOULEVARD
314+60		X	LT.	20	20	13.31	DUNCAN'S AUTOHAUS
328+50		X	RT.	20	20	16.00	RELIANCE SUBDIVISION
343+90		X	LT.	20	20	13.09	BIRCH HARBOR FRONTAGE ROAD
350+90	X		LT.	40	40	23.00	W. BIRCH HARBOR ROAD
360+73		X	RT.	20	20		"ALL ABOUT KIDZ"
357+70	X		RT.	40	40	24.19	S. HARBOR VIEW ROAD
366+10	X	*	RT.	20 40	20 40	19.30	IDITAROD ESPRESSO
369+60	X		RT.	40	40	19.95	S. VINE ROAD
371+25		X	LT.	20	20	17.16	S. OUTRIGGER DRIVE
382+80	X		RT.	40	40	23.03	S. MAINSAIL AVENUE
353+00	X		RT.	40	40		NEW BYLERS SUBDIVISION
386+20	X		RT.	40	40	23.10	COMMODORE LANE
389+90		X	LT.	20	20	19.95	FRONTAGE ROAD FOR BINNACLE
394+60		X	LT.	20	20	19.83	S. BINNACLE DRIVE
395+15	X		RT.	40	40	23.03	W. SUNSET AVENUE
401+90		X	LT.	20	20	19.56	S. BINNACLE ROAD
455+35	X		RT.	40	40		NEW SUBDIVISION
405+70	X		RT.	40	40	23.08	S. MAINSAIL AVENUE
408+60	X		LT.	40	40	23.34	SUBSTATION ACCESS ROAD
412+10		X	LT.	20	20	19.03	W. COMPASS DRIVE
415+80		X	RT.	20	20	19.96	S. WELLINGTON DRIVE
447+75		X	LT.	20	20		
437+60	X		LT.	40	40	23.02	S. SETTLER'S BAY DRIVE
441+75	X		LT.	40	40	34	SETTLER'S BAY ACTIVITIES ACCESS
442+50		X	RT.	20	20	13.12	ANTENNA ACCESS ROAD
462+50	X		LT.	40	40	26.00	
464+80	X	*	RT.	20 40	20 40	19.82	W. CARMEL ROAD
493+90		X	LT.	20	20		
500+40		X	LT.	20	20	19.64	
500+40	X	*	RT.	20 40	20 40	19.06	S. WASSIM CIRCLE
511+30	X		LT.	40	40	25.14	S. INLET VISTAS DRIVE
518+80	X		LT.	40	40	24.46	S. BOGLE BLUFF DRIVE
527+60	X		LT.	40	40	23.65	S. HOOD COURT
537+00	X		RT.	40	40	23.14	S. HALLIE DRIVE

SPECIFICATIONS: SCALE 1"=1' COMPUTER DESIGNATION: AUTOCAD-PATH/WANESSA-53922R22.SUN_KGB.DWG
 DESIGNED BY: VIEW = D9
 CHECKED BY: IP/MS/CL/DF
 DRAFTED BY: 05/20/2003



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND
 PUBLIC FACILITIES
 KNIK-GOOSE BAY ROAD
 REHABILITATION AND PATHWAY

SUMMARY SHEET

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	CA-0525(11)/53922	2003	D10	D10

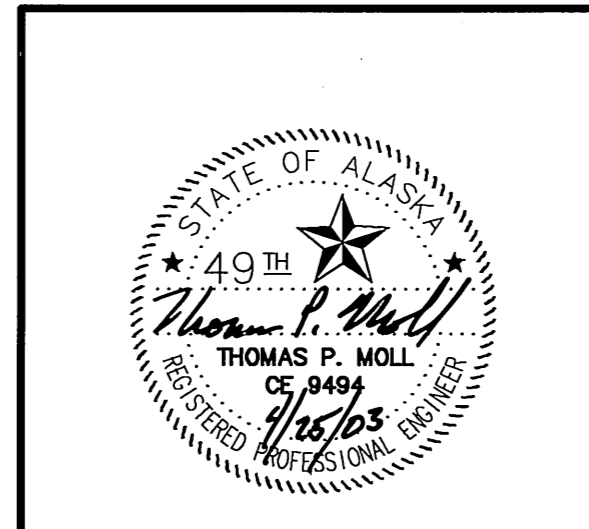
639(1), 639(2)

DRIVEWAYS							
STATION	COM.	RES.	OFFSET	LT. RAD.	RT. RAD.	WIDTH	REMARKS
530+00		X	LT.	20	20		NEW
547+10	X		RT.	40	40	23.91	S. KNIKKACKMUDSHACK ROAD
558+60		X	LT.	20	20	13.91	
558+70		X	RT.	20	20	16.46	
564+10		X	LT.	20	20	13.99	
582+25		X	LT.	20	20		NEW
588+70	X		RT.	40	40	23.25	S. ROYAL LANE
588+70	X		LT.	40	40	23.01	S. ROYAL LANE
597+60		X	LT.	20	20	18.32	S. BROPHY CIRCLE
600+30	X		RT.	40	40	23.02	S. ALIX DRIVE
619+00		X	LT.	20	20	15.13	
601+00	X		LT.	40	40		NEW SUBDIVISION
620+80		X	RT.	20	20	19.90	S. A STREET
625+65		X	LT.	20	20	13.01	
627+40	X		RT.	40	40	24.30	S. FOXWORTH DRIVE
642+60		X	LT.	20	20	13.10	
643+10		X	RT.	20	20	15.79	
659+70		X	RT.	20	20	19.97	
660+00		X	LT.	20	20	14.82	
671+40		X	RT.	20	20	14.24	
677+20		X	RT.	20	20	16.75	
678+00		X	LT.	20	20	13.00	
681+50		X	RT.	20	20	18.76	GRAVEL PIT ACCESS
688+20	X		LT.	40	40	23.03	S. GALA DRIVE
688+40	X		RT.	40	40	23.02	W. HORIZON DRIVE
696+80		X	RT.	20	20	19.83	
699+95		X	RT.	20	20	20	
701+50		X	LT.	20	20		NEW
714+50	X		RT.	40	40	23.17	W. NORTSHORE DRIVE
716+60	X		RT.	40	40	31.96	KNIK LAKE BAR
717+80		X	LT.	20	20	14.60	
725+40		X	RT.	20	20	17.35	RALPH'S
733+49	X	*	RT.	20 40	20 40	18.00	BUS PULLOUT / RESIDENCE
735+58	X	*	RT.	NONE	20 40	13.00	BUS PULLOUT / RESIDENCE
735+75	X		LT.	40	40	34	GRAVEL PIT ACCESS
737+95		X	RT.	20	20	20.00	IDITAROD MUSEUM
738+00		X	LT.	20	20	13.36	
754+00		X	RT.	20	20	16.93	SUNNY KNIK CHAPEL, DOG LOT
778+55	X		LT.	20	20		NEW
758+00		X	RT.	20	20	19.97	W. ROHN DRIVE
779+00	X		RT.	40	40	18.00	S. MALAMUTE RUN ROAD
783+90		X	LT.	20	20	13.12	
791+00		X	LT.	20	20	14.34	
793+50		X	LT.	20	20	13.28	
795+42		X	LT.	20	20		NEW
793+90	X		RT.	40	40	24.00	S. HOMESTEAD DRIVE
802+90		X	LT.	20	20	14.67	
824+80		X	LT.	20	20	18.68	
831+10		X	LT.	20	20	13.09	
857+80		X	LT.	20	20	13.10	
834+85		X	LT.	20	20		NEW
780+85	X		LT.	40	40		NEW SCENIC OVERLOOK

639(1), 639(2)

DRIVEWAYS							
STATION	COM.	RES.	OFFSET	LT. RAD.	RT. RAD.	WIDTH	REMARKS
903+50		X	RT.	20	20		NEW
858+00		X	RT.	20	20	14.70	
861+60		X	RT.	20	20	19.96	
868+10		X	RT.	20	20	17.11	
868+50		X	LT.	20	20	13.19	FISH CREEK CAMPGROUND, PRIVATE
875+20		X	RT.	20	20	18.15	
878+10		X	RT.	20	20		
889+80		X	LT.	20	20	13.11	
889+90		X	RT.	20	20	14.27	
894+10		X	LT.	20	20	15.41	
900+00		X	RT.	20	20	13.41	W. MARTEN ROAD
901+60		X	LT.	20	20	17.98	W. PORCUPINE ROAD
904+60		X	LT.	20	20		NEW
907+90		X	LT.	20	20	13.56	
907+90		X	RT.	20	20	13.14	
916+90		X	RT.	20	20	13.99	
921+10	X		RT.	40	40	27.08	W. POINT MACKENZIE ROAD
922+80		X	LT.	20	20	19.93	S. ROSEBERRY LOOP
920+15		X	LT.	20	20		REINSTALLED, PAVED
929+70		X	RT.	20	20	19.61	SUBSTATION ACCESS ROAD
932+60		X	LT.	20	20	19.92	S. ROSEBERRY LOOP
941+00		X	RT.	20	20	13.99	
960+40		X	RT.	20	20	13.13	
982+10		X	RT.	20	20	14.11	
958+55		X	RT.	20	20		CULVERT, NOT PAVED
989+80	X		LT.	40	40	33.00	BAR AND DINER
992+40		X	LT.	20	20	13.13	
998+40		X	RT.	20	20	13.06	
999+40		X	LT.	20	20	13.54	1ST CIRCLE APPROACH
1000+20		X	LT.	20	20	13.54	1ST CIRCLE APPROACH
967+50		X	LT.	20	20		NOT OBLITERATED
1004+40		X	LT.	20	20	13.14	2ND CIRCLE APPROACH
1008+90		X	LT.	20	20	13.07	
1013+50		X	LT.	20	20	13.09	
1018+20		X	LT.	20	20	13.13	
959+60		X	LT.	20	20		NOT OBLITERATED, PAVED, HAS CULVERT
1023+00		X	LT.	20	20	15.73	
1043+60	X		RT.	40	40	23.84	ROAD TO THE BOAT LAUNCH
1052+10	X		LT.	40	40	23.07	MAINTENANCE ACCESS
1057+20	X		⊙	42	52	52	42'x52' RECTANGLE PAD
550+00		X	RT.	20	20		NEW
550+90		X	RT.	20	20		NEW
582+35		X	RT.	20	20		NEW
759+70		X					OBLITERATED, REINSTALLED UNDER IWA# 16

SPECIFICATIONS: AUTOGAD-PATTI/VANESSA-53922R2/SUM_KGB.DWG
 SCALE: 1"=100'
 DESIGNED BY: [REDACTED]
 CHECKED BY: [REDACTED]
 DRAWN BY: [REDACTED]
 DATE: 04/17/2003
 VIEW: D10



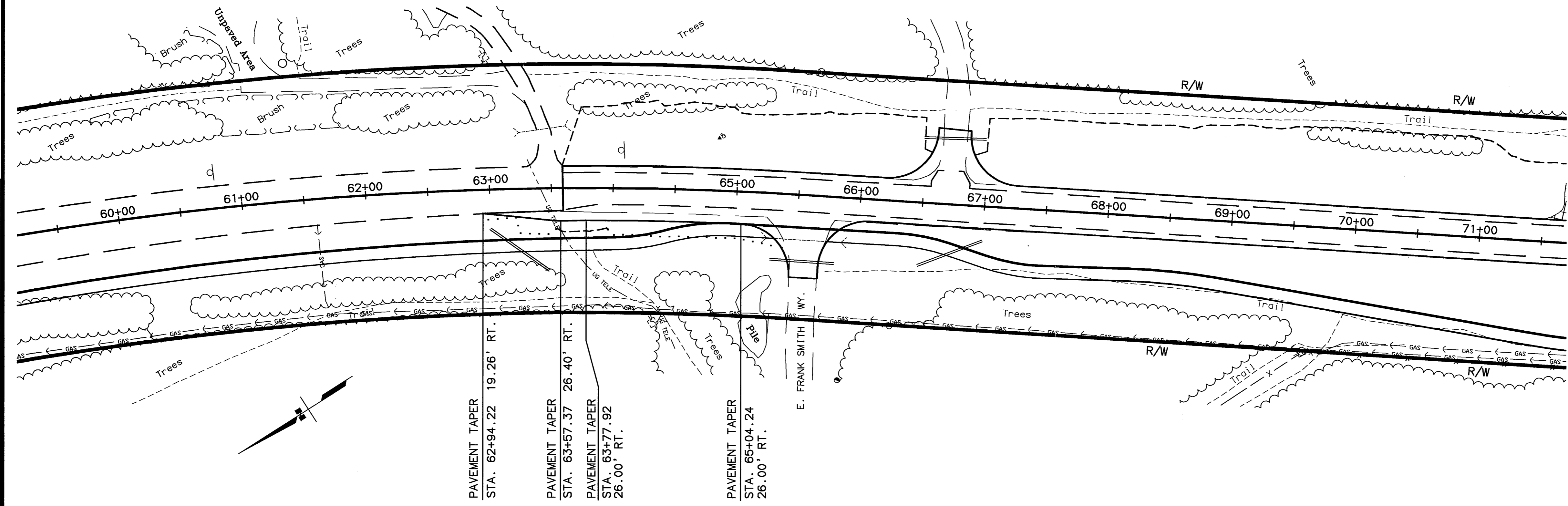
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND
 PUBLIC FACILITIES

**KNIK-GOOSE BAY ROAD
 REHABILITATION AND PATHWAY**

SUMMARY SHEET

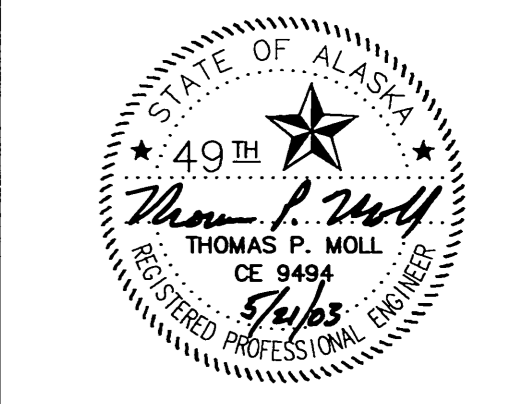
REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	CA-0525(11)/53922	2003	E0	E19
(1)	5/21/03	ADD SHEET E0					

ADDENDUM #1, ATTACHMENT #1



Ⓢ EAST FRANK SMITH WAY

SPECIFICATIONS: XREF - BASE LOGS.DWG
 DATE OF CONSTRUCTION: 05/20/2003
 COMPUTER DESIGNATION: A:\LOGS\PAT\ALASKA\53922\TURNOUTS_DET_LOGS.DWG
 DESIGNED BY: [blank]
 CHECKED BY: [blank]
 DRAFTED BY: PL/VJS
 VIEW: FRANK

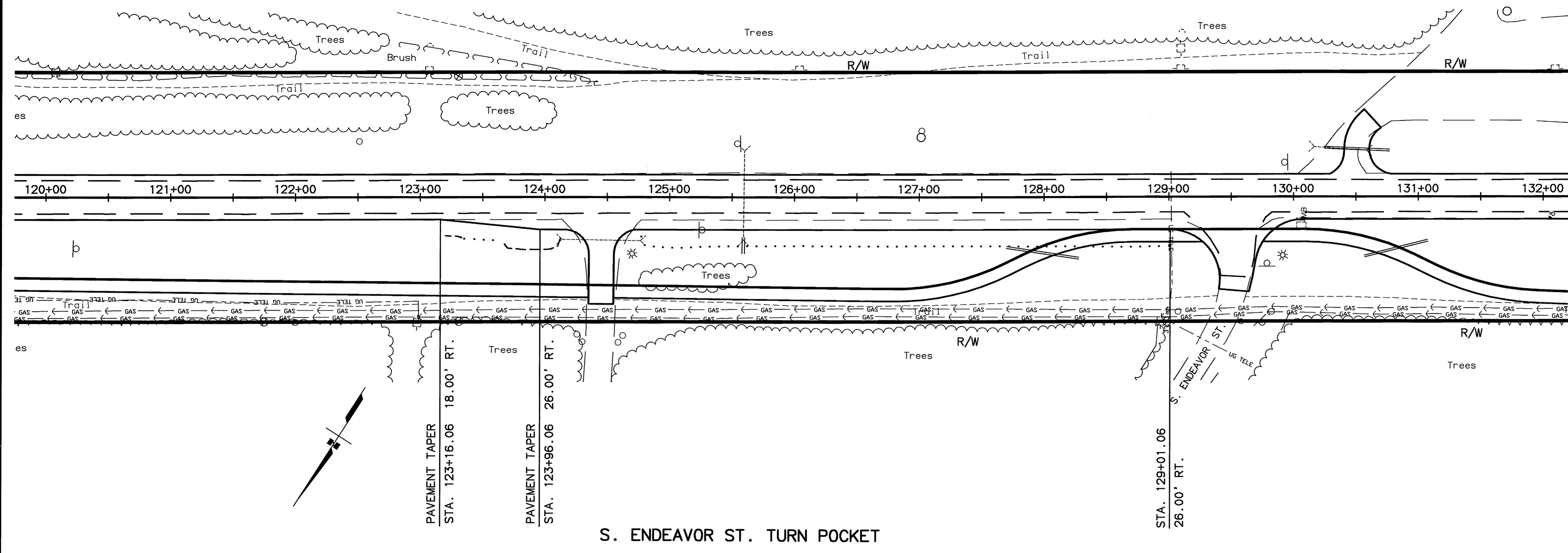


STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND
 PUBLIC FACILITIES

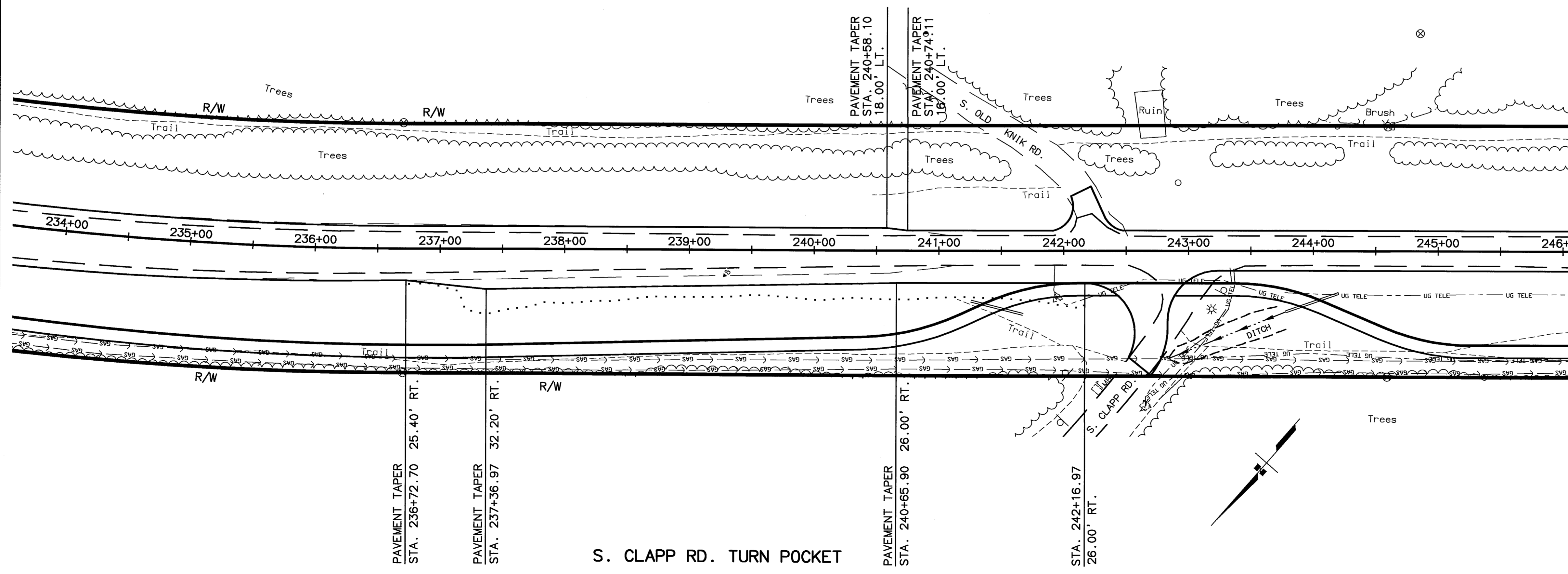
**KNIK-GOOSE BAY ROAD
 REHABILITATION AND PATHWAY**

**EAST FRANK SMITH WAY
 TURN POCKETS**

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	CA-0525(11)/53922	2003	E1	E19



S. ENDEAVOR ST. TURN POCKET



S. CLAPP RD. TURN POCKET

PROJECT NO. CA-0525(11)/53922
 SHEET NO. E1
 TOTAL SHEETS E19
 DATE 04/16/2003
 DESIGNED BY [REDACTED]
 CHECKED BY [REDACTED]
 DRAFTED BY [REDACTED]
 SCALE 1"=40'
 VIEW = 1
 XREF: BASE: KGB.DWG
 COMPUTER DESIGNATION: AUTOCAD-PATH/ANASSA-53922R TURNOUTS.DET_KGB.DWG

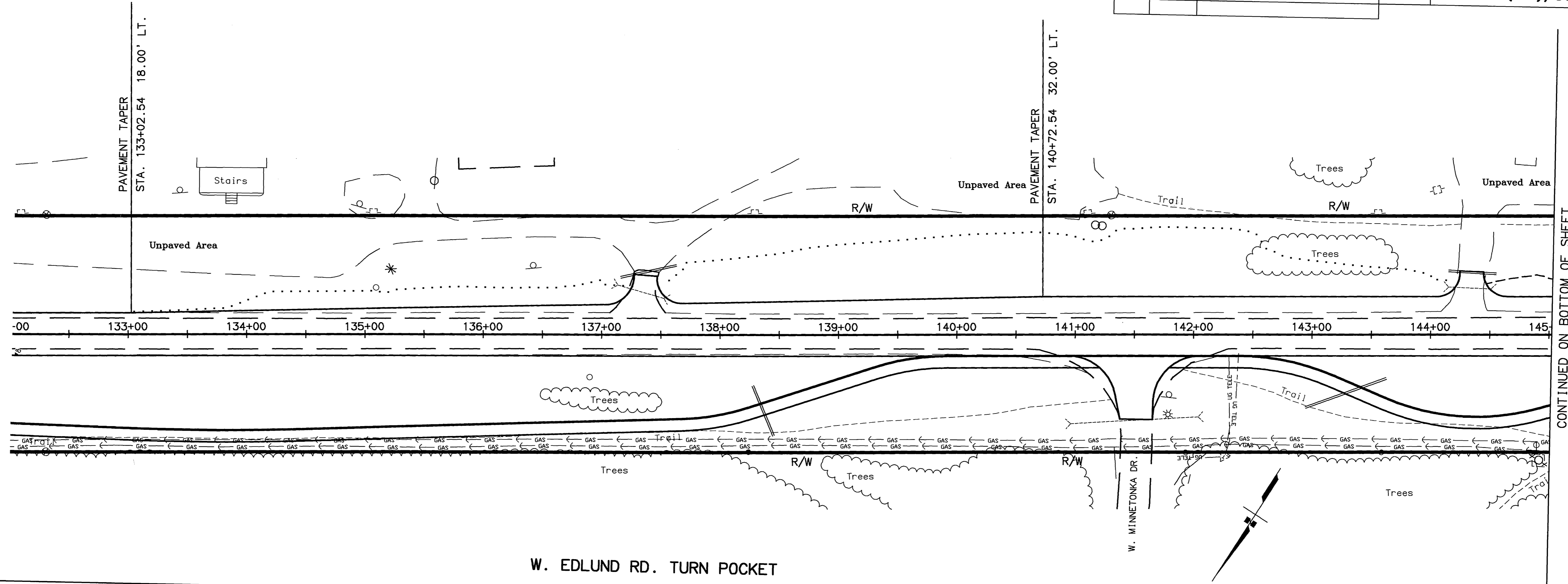


STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND
 PUBLIC FACILITIES

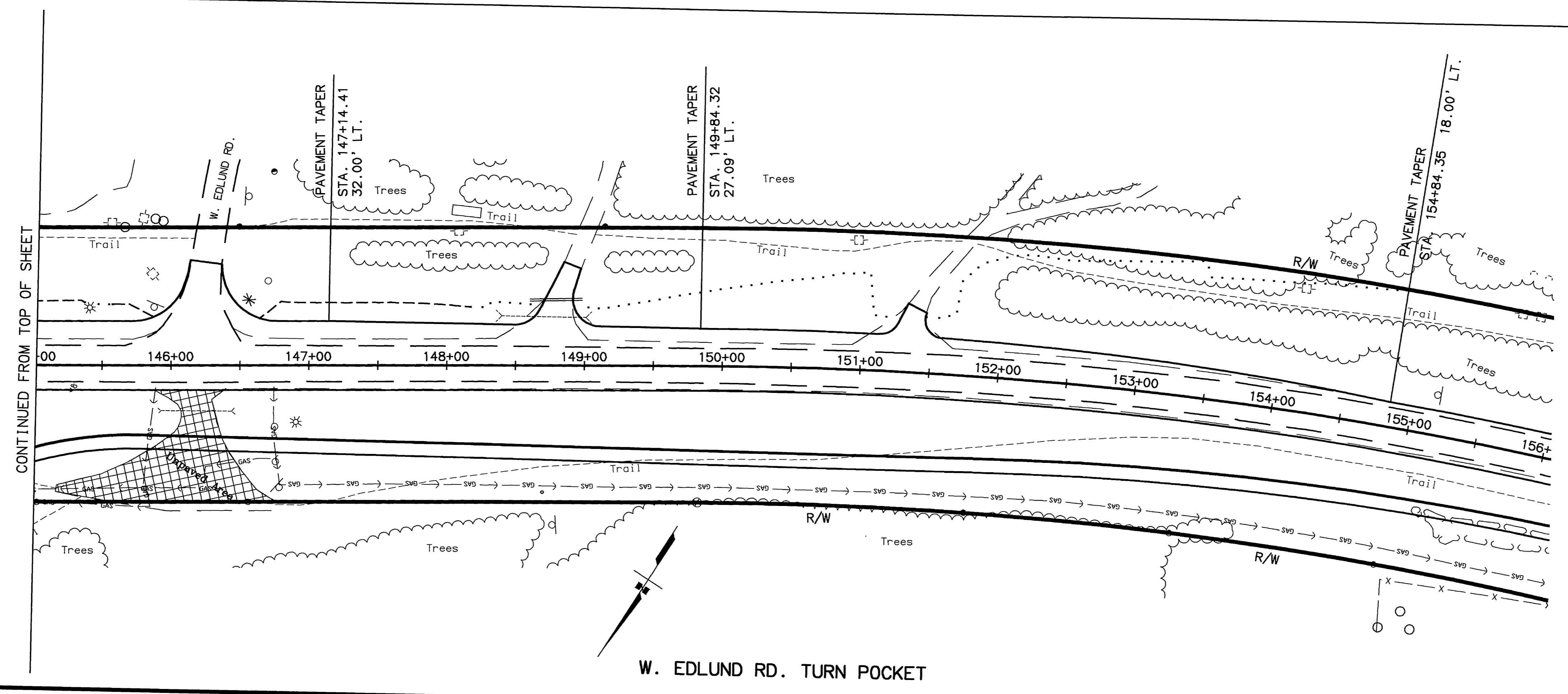
**KNIK-GOOSE BAY ROAD
 REHABILITATION AND PATHWAY**

S. ENDEAVOR ST. & S. CLAPP RD.
 TURN POCKETS

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	CA-0525(11)/53922	2003	E2	E19



CONTINUED ON BOTTOM OF SHEET



CONTINUED FROM TOP OF SHEET

SPECIFICATIONS: XREF - BASE, KGB, DWG
 SCALE: 1"=50'
 COMPUTER DESIGNATION: AUTOCAD-PATTI/ANESSA-53922R2 TURNOUTS DET, KGB, DWG
 DESIGNED BY: [blank]
 CHECKED BY: [blank]
 DRAFTED BY: PL/AS
 VIEW: 2
 04/16/2003



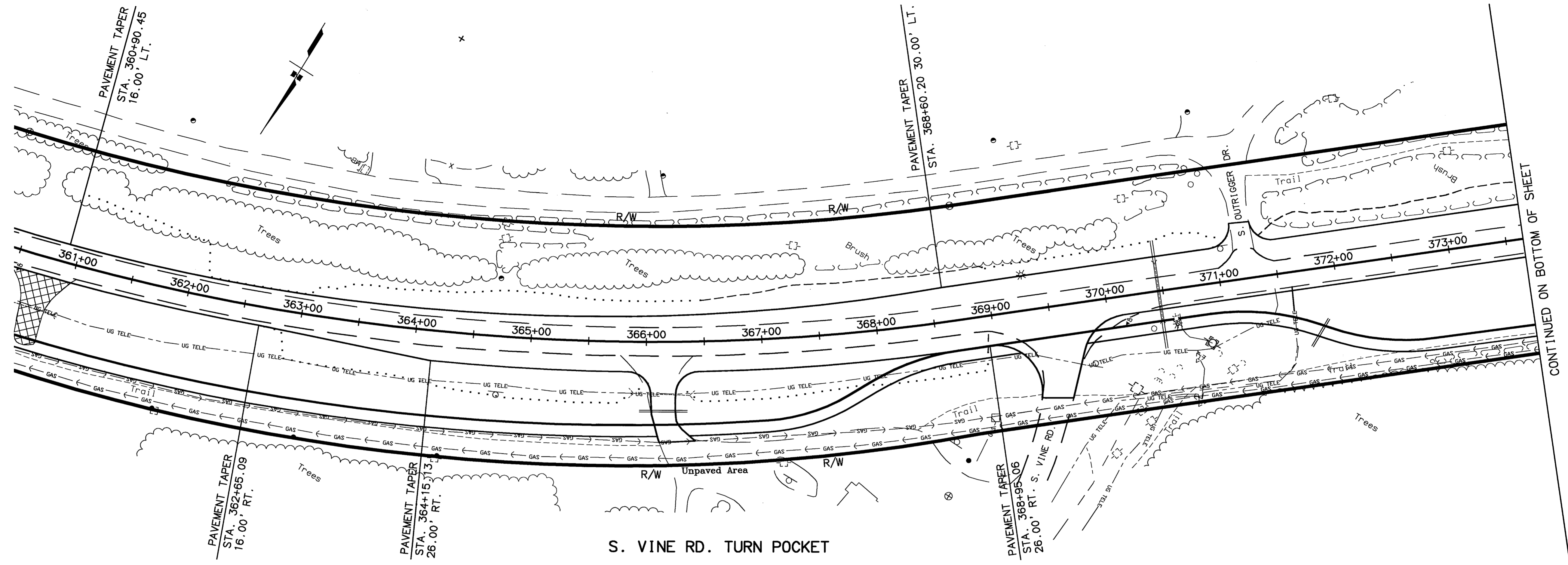
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND
 PUBLIC FACILITIES

**KNIK-GOOSE BAY ROAD
 REHABILITATION AND PATHWAY**

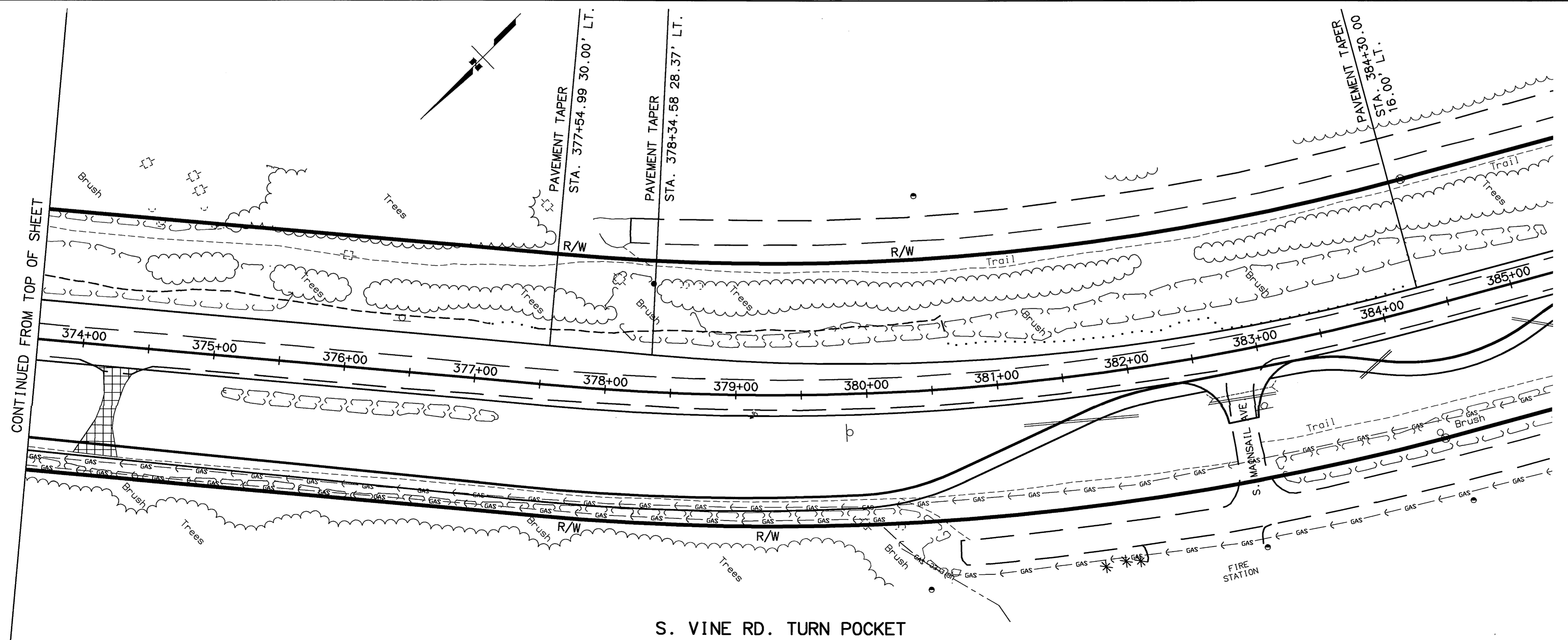
**W. EDLUND RD.
 TURN POCKETS**

REVISIONS		STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	CA-0525(11)/53922	2003	E3 E19

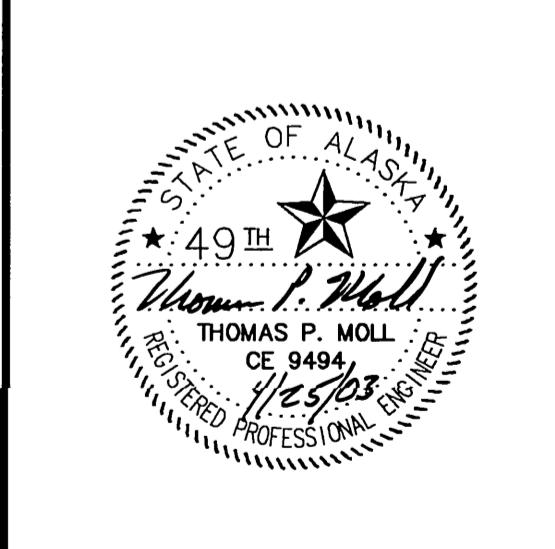
SPECIFICATIONS: XREF: BASE_KGB.DWG SCALE: 1"=50' COMPUTER DESIGNATION: AUTOCAD-PATTT/VANESSA-53922R2TURNOUTS_DET_KGB.DWG
 DESIGNED BY: VIEW = 3
 CHECKED BY: PLYS
 DRAFTED BY: PLYS
 04/16/2003



CONTINUED ON BOTTOM OF SHEET



CONTINUED FROM TOP OF SHEET

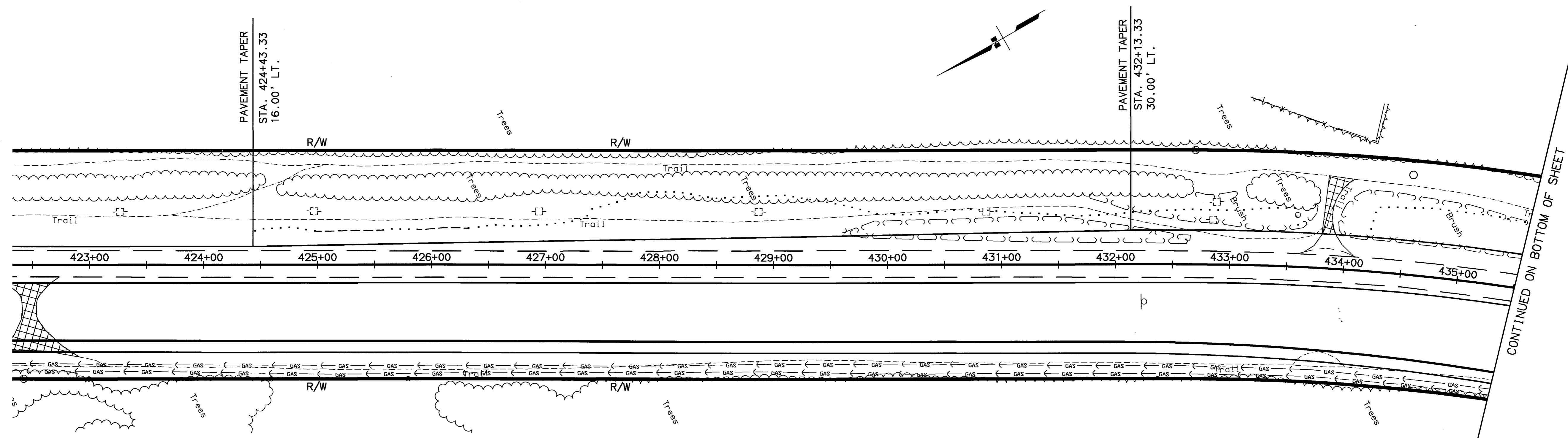


STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND
 PUBLIC FACILITIES

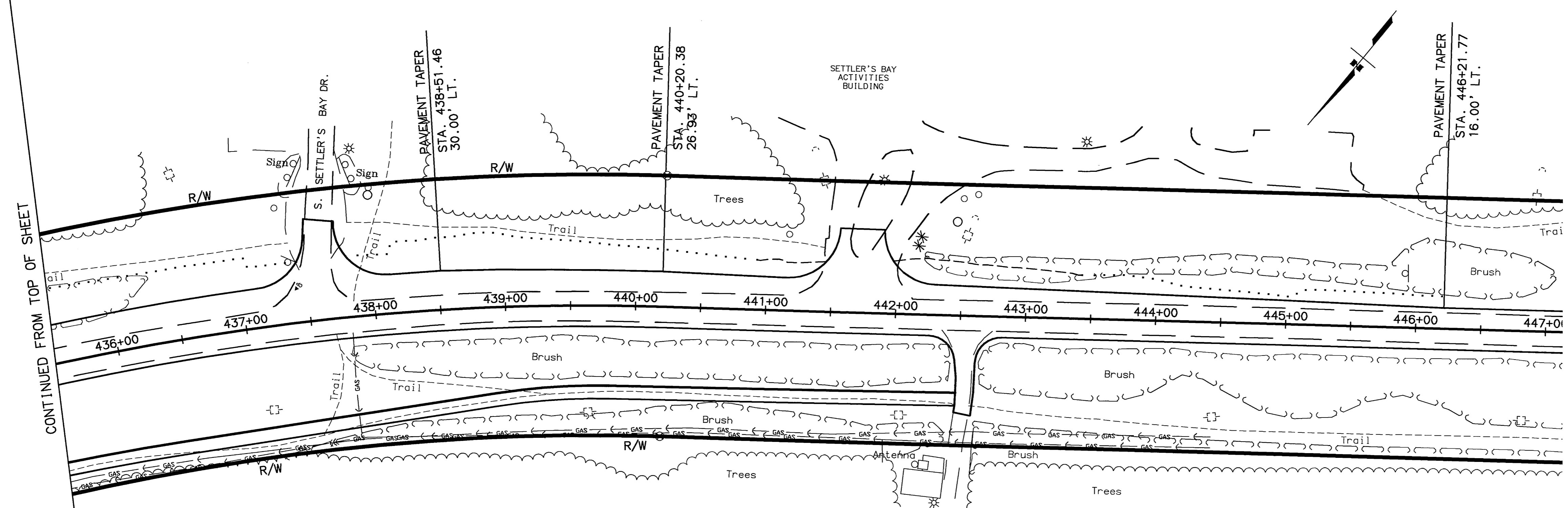
**KNIK-GOOSE BAY ROAD
 REHABILITATION AND PATHWAY**

**S. VINE RD.
 TURN POCKETS**

REVISIONS		STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	CA-0525(11)/53922	2003	E4 E19

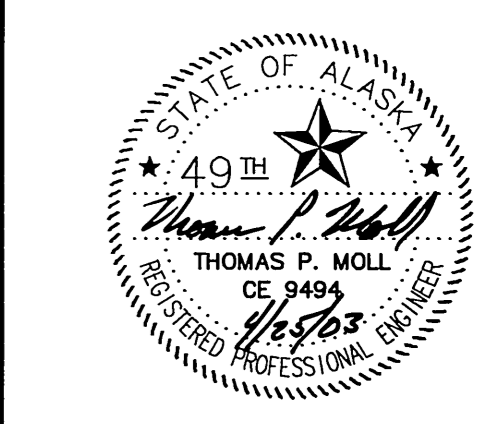


S. SETTLER'S BAY DR. TURN POCKET



S. SETTLER'S BAY DR. TURN POCKET

SPECIFICATIONS: XREF. BASE: KGB, JWG
 SCALE: 1"=50'
 COMPUTER DESIGNATION: I:\05040-PATHWAY\ANESSA-53922R2\TURNPOCKETS_DET_KGB.dwg
 DESIGNED BY: KGB
 CHECKED BY: JWG
 DRAWN BY: PLV/S
 VIEW # 4
 04/16/2003

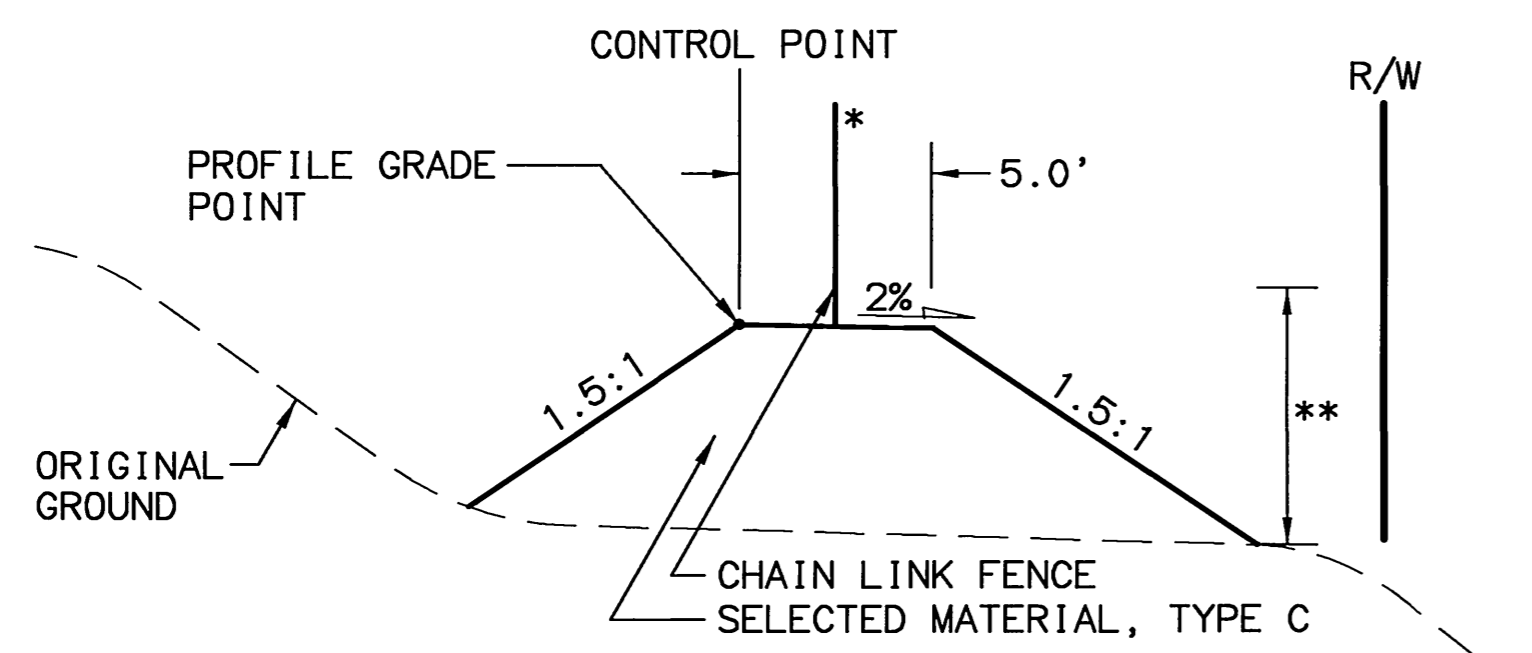


STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND
 PUBLIC FACILITIES

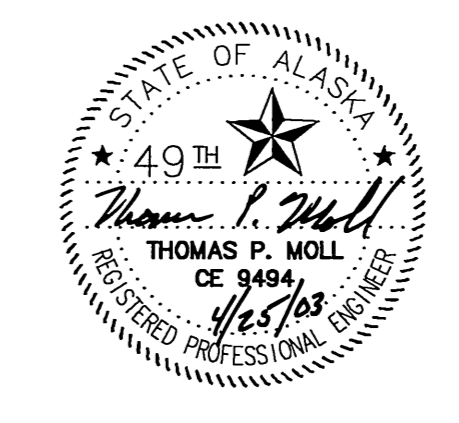
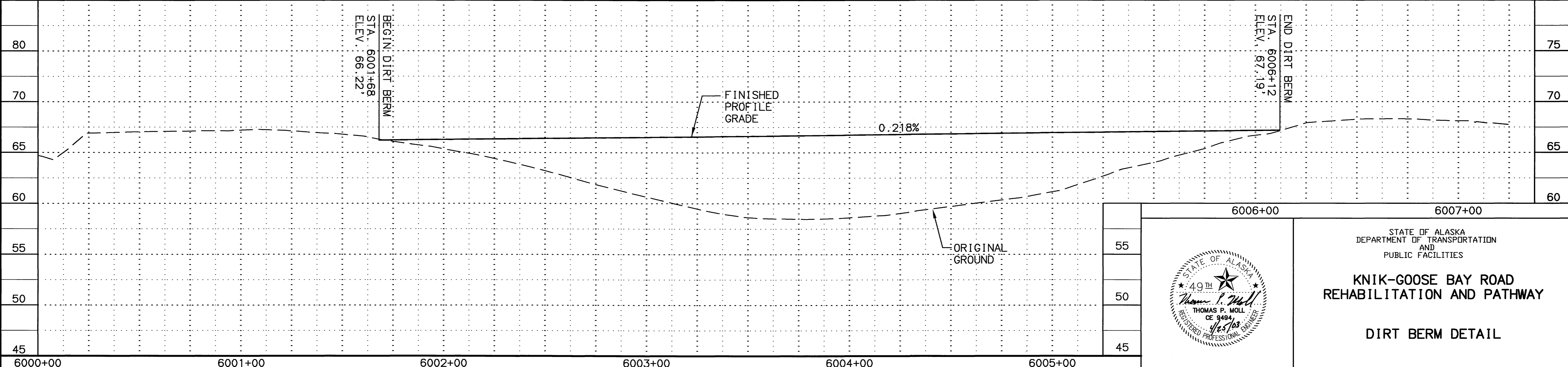
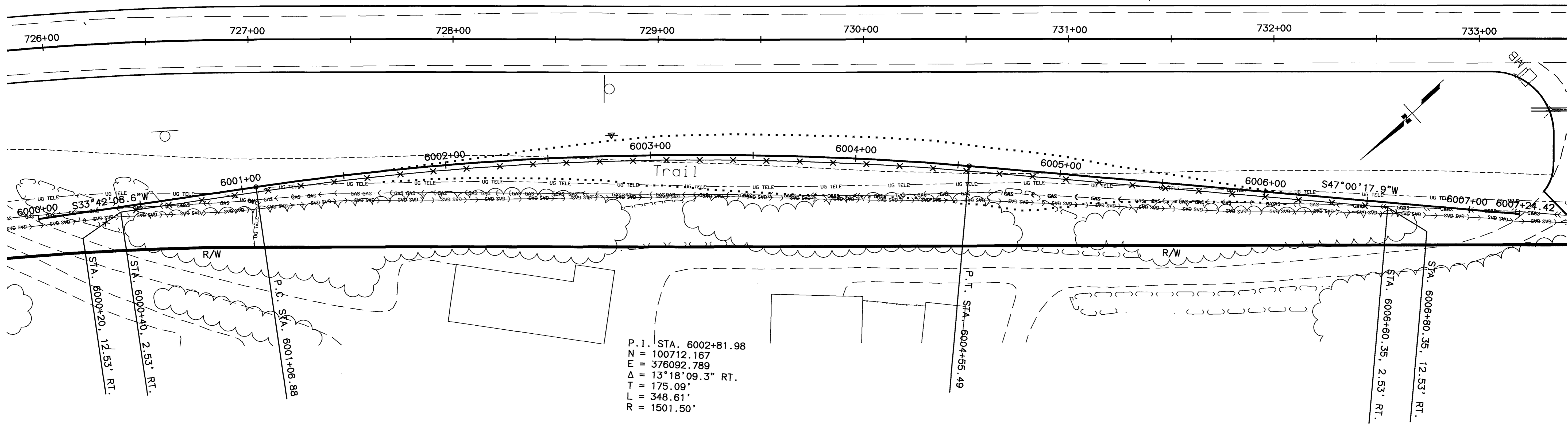
**KNIK-GOOSE BAY ROAD
 REHABILITATION AND PATHWAY**

**S. SETTLER'S BAY DR.
 TURN POCKETS**

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	CA-0525(11)/53922	2003	E5	E19



TYPICAL SECTION - DIRT BERM
 STA. 6000+00.00 TO STA. 6007+24.42
 * CHAIN LINK FENCE STA. 6000+20.00 TO STA. 6006+80.00
 ** HEIGHT VARIES 0.0' TO 8.3'



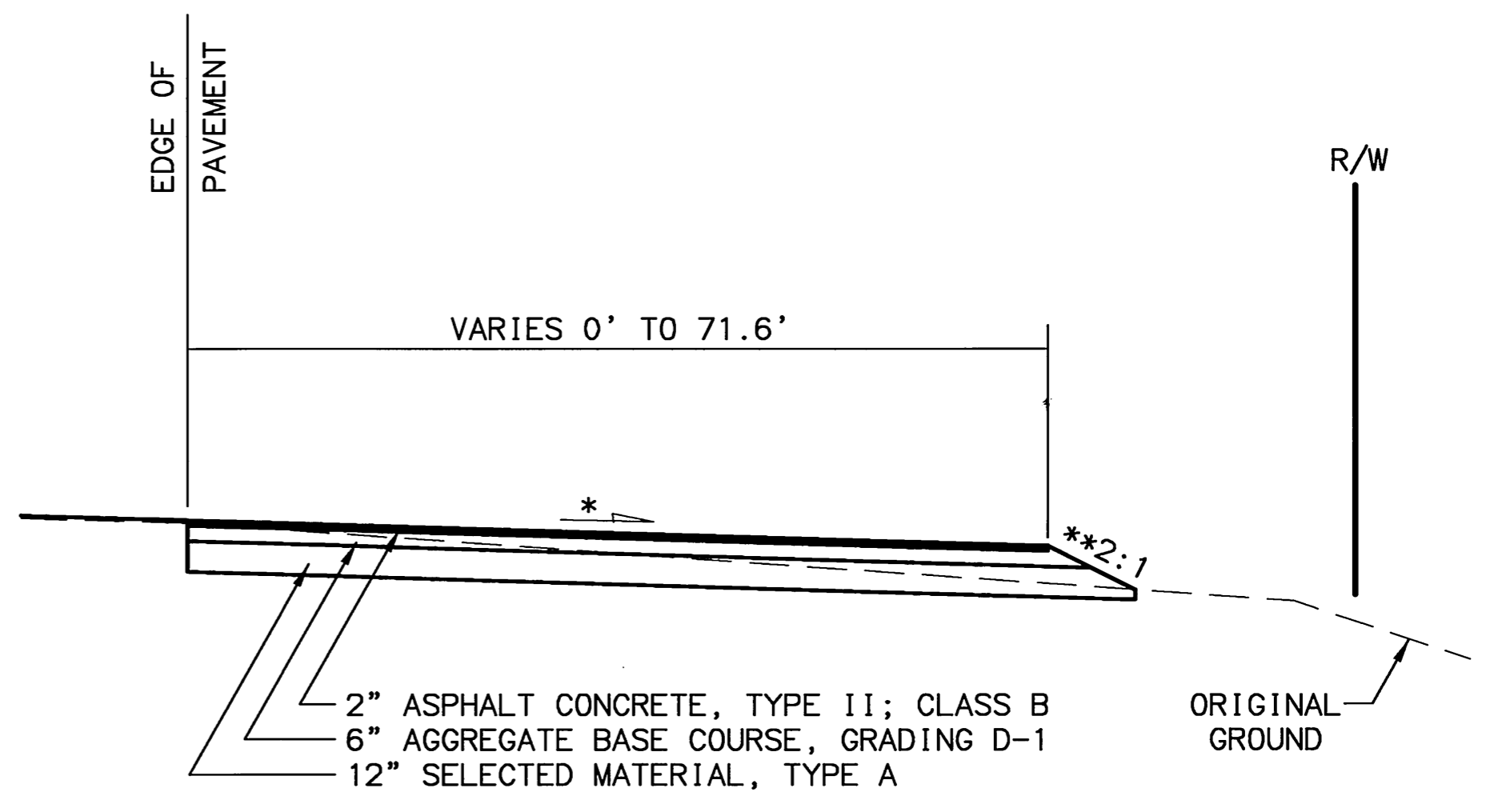
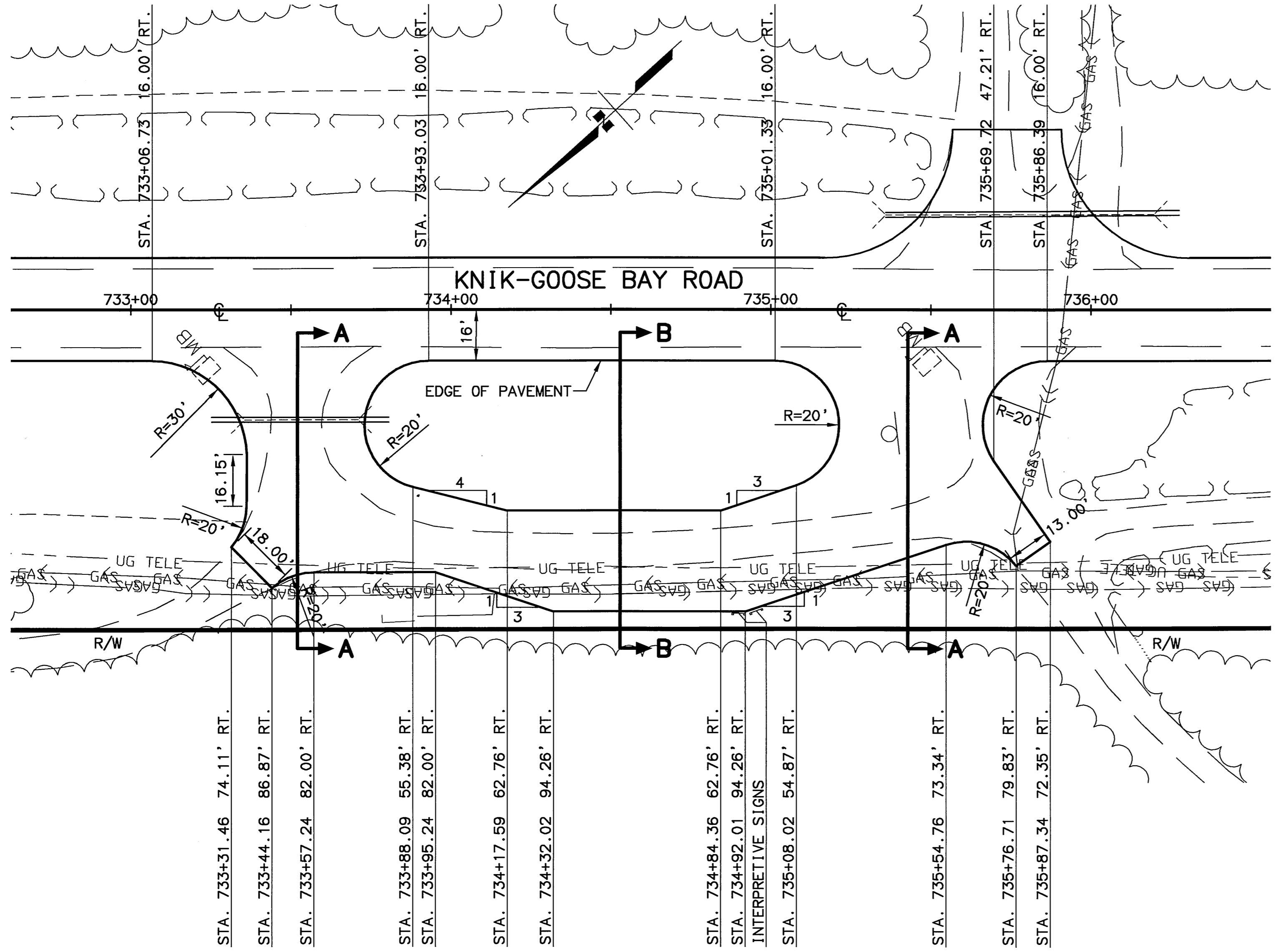
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND
 PUBLIC FACILITIES

**KNIK-GOOSE BAY ROAD
 REHABILITATION AND PATHWAY**

DIRT BERM DETAIL

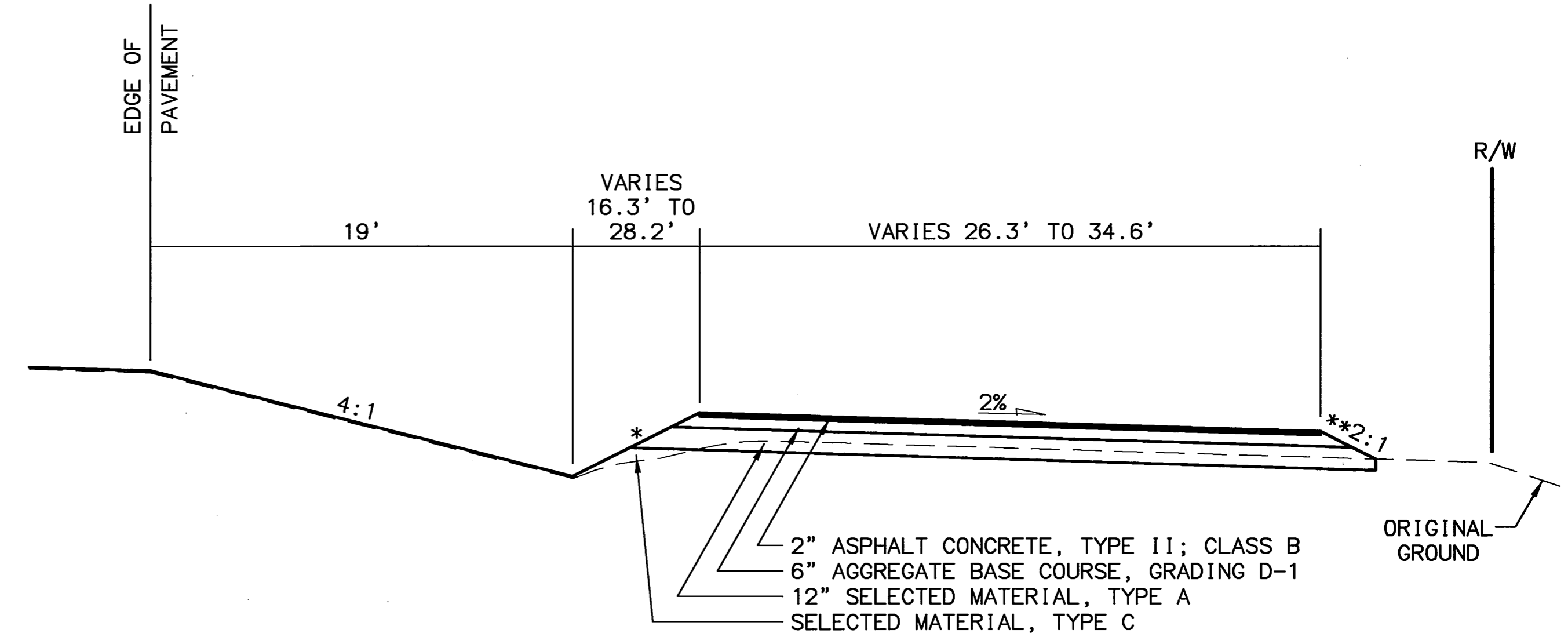
SPECIFICATIONS: BASE: USG BWS; PROF: USG BWS; SCALE: 1" = 5'; COMPUTER DESIGNATION: AUTOCAD-PATHWAY/ALASKA-53922/03-1-168-B.DWG; DESIGNED BY: VIEW: DIRT BERM; CHECKED BY: DATE: 04/16/2003; DRAWN BY: PLAYS

REVISIONS		STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE					
		ALASKA	CA-0525(11)/53922	2003	E6	E19



SECTION A-A - BUS PULLOUT

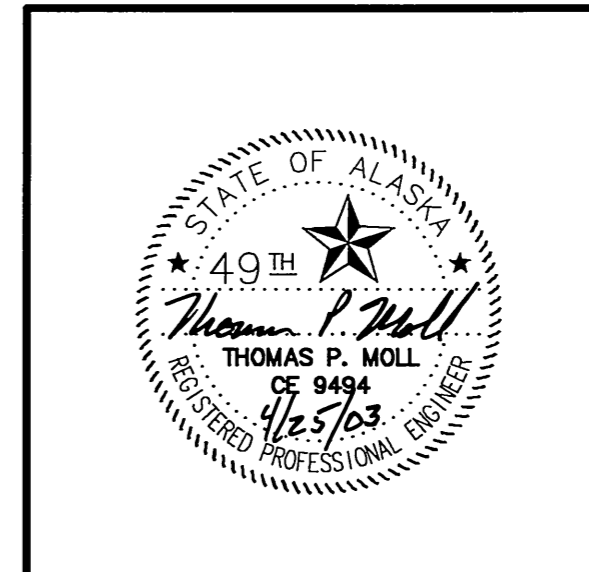
STA. 733+06.73 TO STA. 733+93.03
 STA. 735+01.33 TO STA. 735+86.39
 * SLOPE AS DIRECTED BY ENGINEER
 ** VARY SLOPE TO STAY WITHIN R/W



SECTION B-B - BUS PULLOUT

STA. 733+93.03 TO STA. 735+01.33
 * VARIES FROM 8.6:1 TO 10.4:1
 ** VARY SLOPE TO STAY WITHIN R/W

SPECIFICATIONS
 DESIGNED BY: BASE, KGB, DMG, PROF. KGB, DMG
 CHECKED BY: AUTOCAD-PATTI/VANESSA-53922/DET, KGB, DMG
 DRAFTED BY: IR/AVS
 DATE: 04/16/2003
 VIEW: BUS
 L1 SCALE: # 5
 SCALE: 1" = 8'
 COMPUTER DESIGNATION:

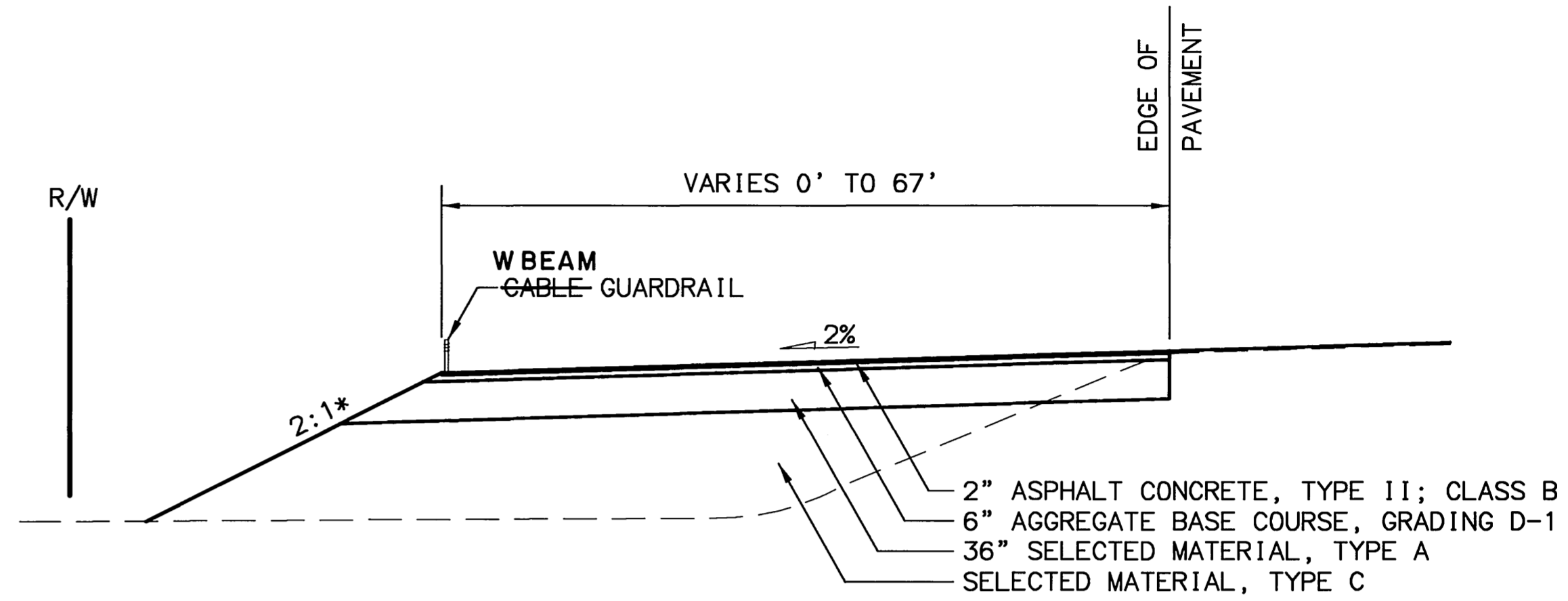
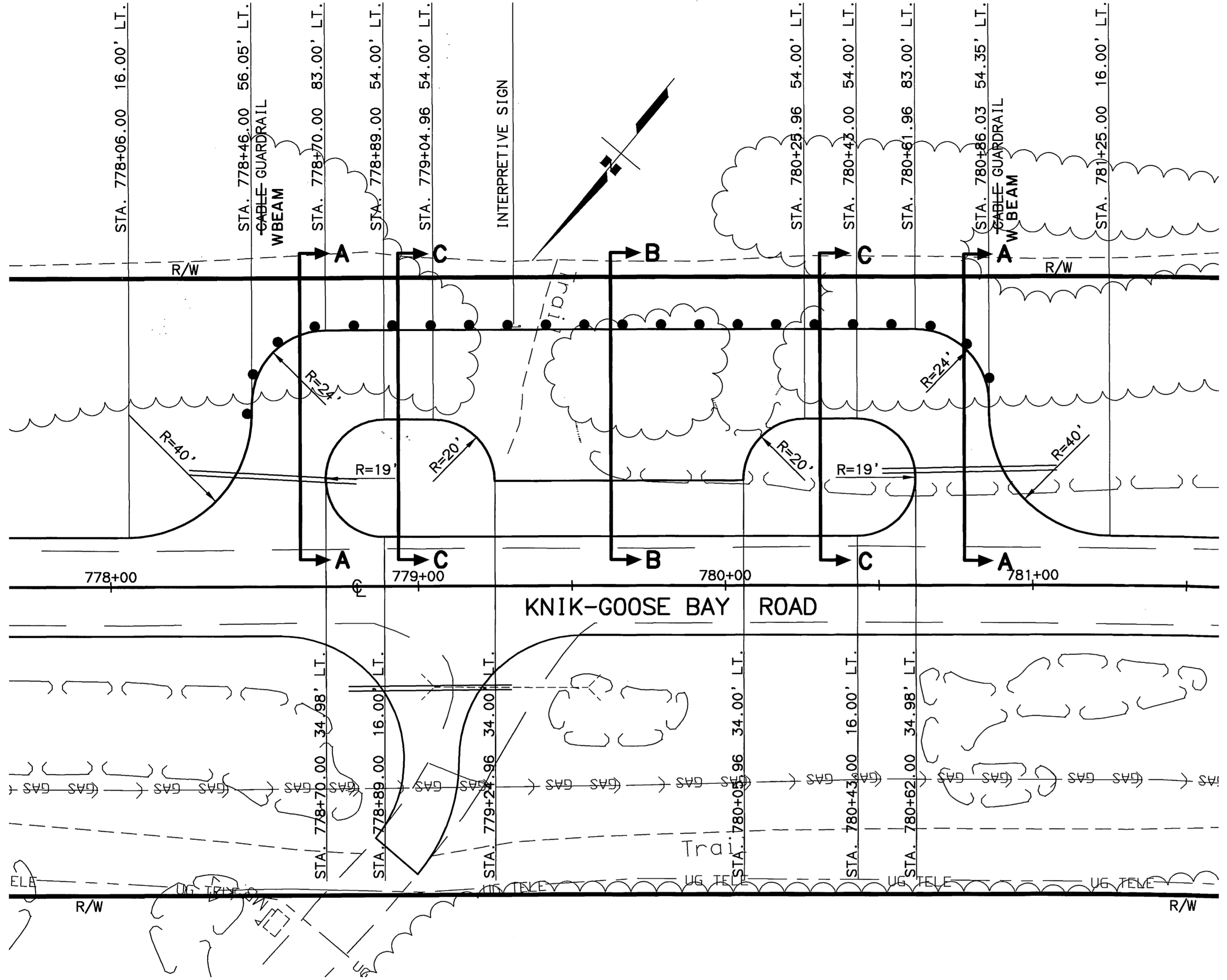


STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND
 PUBLIC FACILITIES

**KNIK-GOOSE BAY ROAD
 REHABILITATION AND PATHWAY**

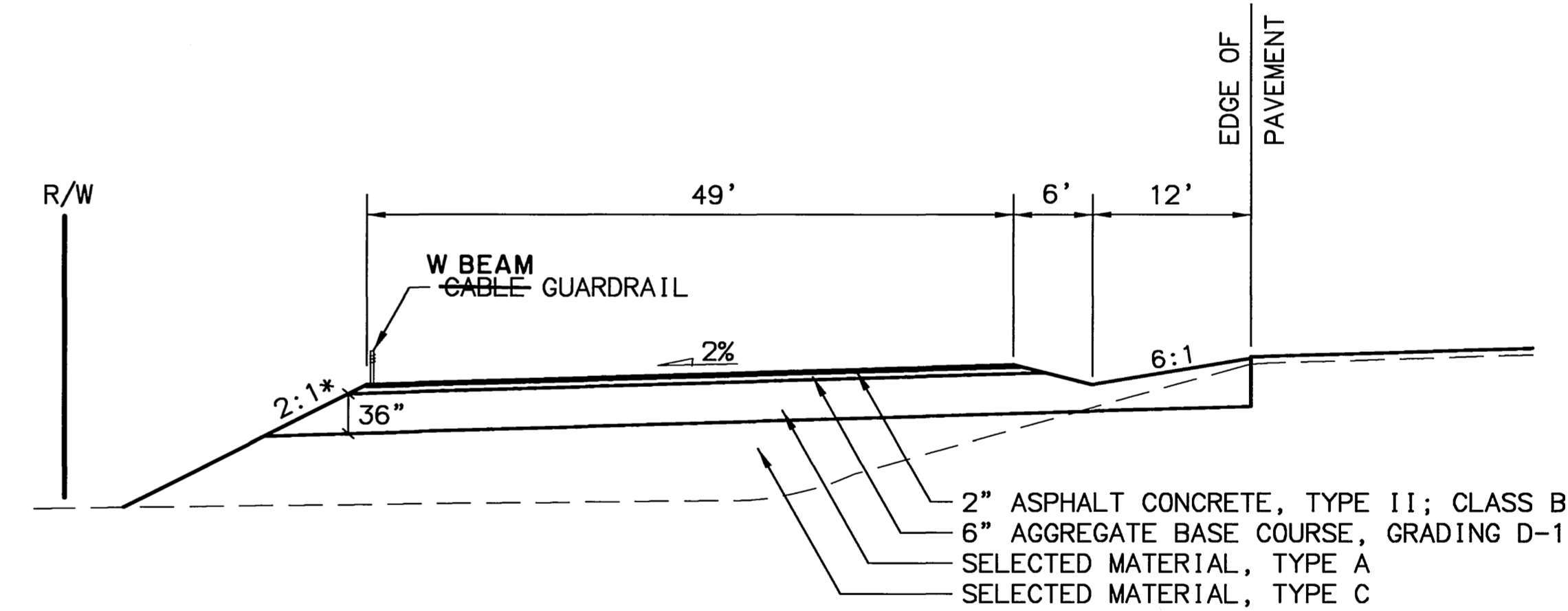
BUS PULLOUT DETAIL

REVISIONS		STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	CA-0525(11)/53922	2003	E7 E19



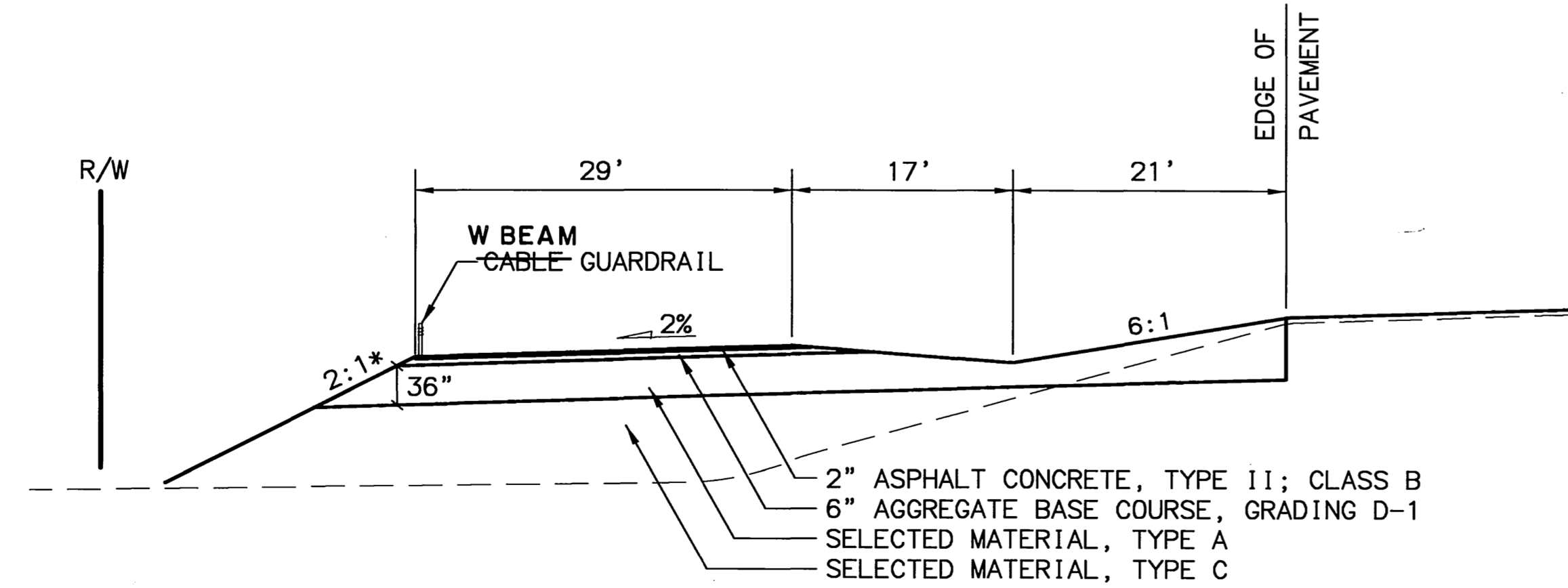
SECTION A-A - SCENIC PULLOUT

STA. 778+06.00 TO STA. 778+70.00
 STA. 780+62.00 TO STA. 781+25.00
 * VARY SLOPE TO STAY WITHIN R/W



SECTION B-B - SCENIC PULLOUT

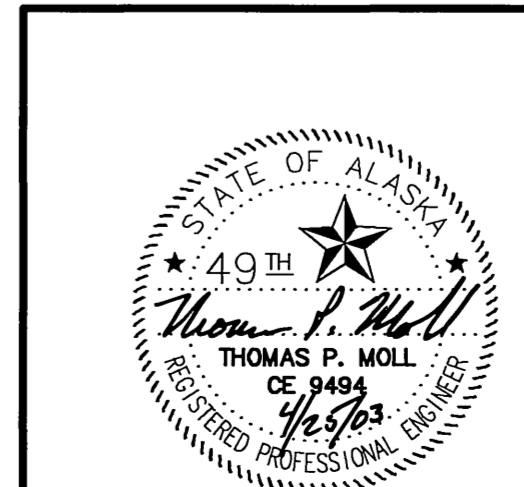
STA. 779+24.96 TO STA. 780+05.96
 * VARY SLOPE TO STAY WITHIN R/W



SECTION C-C - SCENIC PULLOUT

STA. 778+70.00 TO STA. 779+24.96
 STA. 780+05.96 TO STA. 780+62.00
 * VARY SLOPE TO STAY WITHIN R/W

SPECIFICATIONS: BASE: KGB.DWG, PROF: KGB.DWG, VIEW: SCENIC, SCALE: 1"=50', LVS: SCALE = 50'.
 DESIGNED BY: PL/VJS, CHECKED BY: PL/VJS, DATE: 04/16/2003.
 AUTOCAD: PATTI/VANESSA-3922222.DWG, COMPUTER DESIGNATION: AUTOCAD-PATTI/VANESSA-3922222.DWG



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND
 PUBLIC FACILITIES

**KNIK-GOOSE BAY ROAD
 REHABILITATION AND PATHWAY**

SCENIC PULLOUT DETAIL

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	CA-0525(11)/53922	2003	E8	E19

NOTES:

- MATCH THE HORIZONTAL ALIGNMENT OF THE ARCH WITH THE FISH CREEK HORIZONTAL ALIGNMENT, JUST UPSTREAM AND DOWNSTREAM OF KNIK-GOOSE BAY ROAD.
- ALL WORK MUST BE DONE IN ACCORDANCE WITH THE ADNOR, MENTAL HEALTH TRUST LAND OFFICE LICENSE FOR EASEMENT CONSTRUCTION DATED MAY 17, 2002.
- THE CENTERLINE OF THE FISH CREEK ARCH SITS AT A SKEW OF $-8^{\circ}33'46''$. THE ARCH INLET IS AT STATION 865+21.15, OFFSET 62.12 RT, AND STREAMBED ELEVATION OF 16.35 FT. THE ARCH OUTLET IS AT STATION 865+06.74, OFFSET 33.47 LT, AND STREAMBED ELEVATION 15.63 FT. THE ARCH LENGTH ALONG THE CENTERLINE IS 96.67 FT.

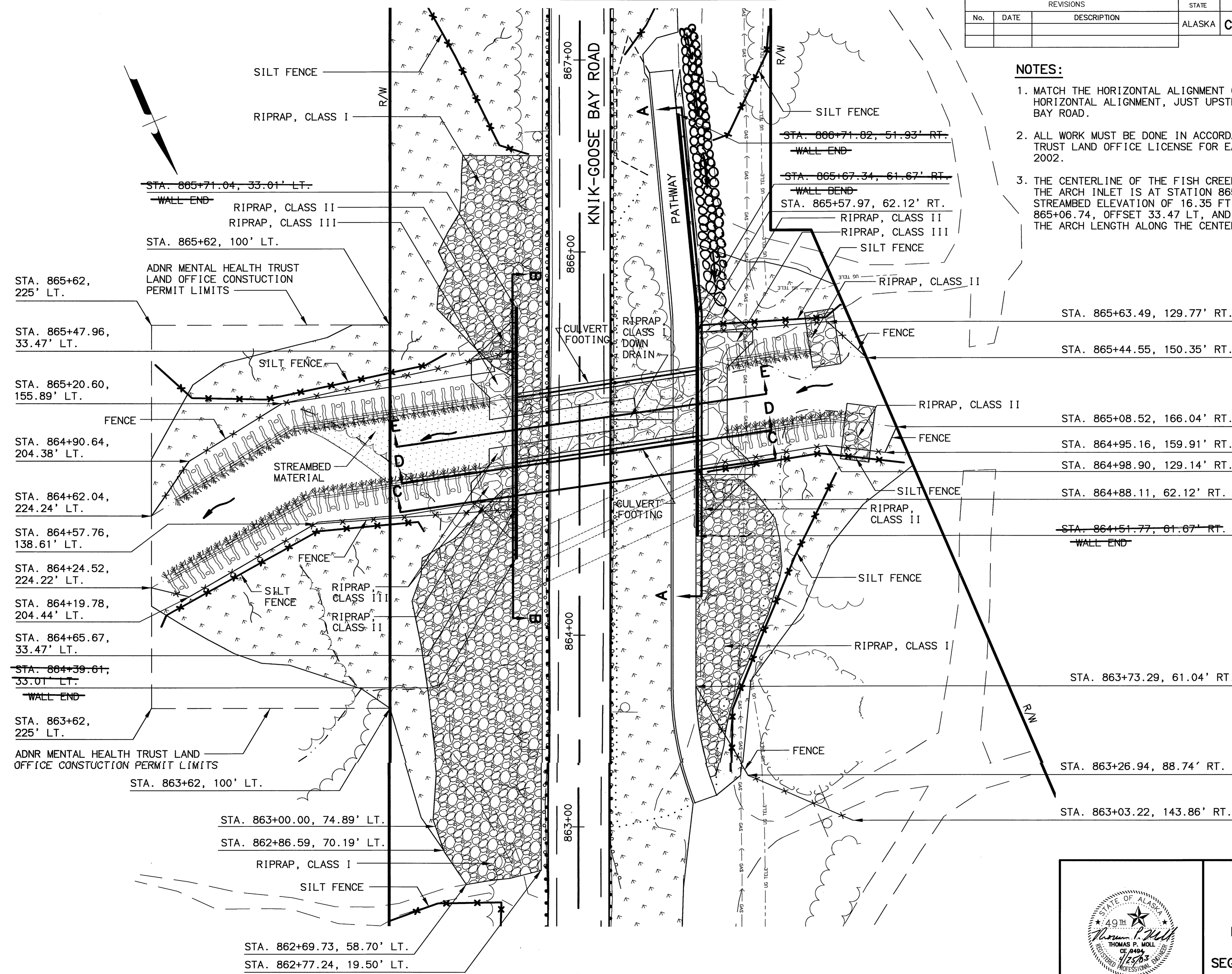
FISH CREEK MSE WALL LOCATIONS

864+40.58, 33.01' LT.	ELEV. 37.78
END OF WALL	
864+49.05, 31.15' LT.	
PC CURVE 1	
864+85.42, 29.93' LT.	
PT CURVE 1	
865+06.79, 33.30' LT.	ELEV. 41.86
C.L. ARCH	
865+27.59, 36.29' LT.	
PC CURVE 2	
865+68.89, 33.86' LT.	
PT CURVE 2	
865+72.01, 33.01' LT.	ELEV. 45.68
END WALL	
864+52.20, 61.67' RT.	ELEV. 39.69
END WALL	
864+74.59, 64.82' RT.	
PC CURVE 3	
865+03.37, 64.70' RT.	ELEV. 39.5
PT CURVE 3	
865+21.13, 61.96' RT.	ELEV. 39.5
C.L. ARCH	
865+41.65, 58.93' RT.	
PC CURVE 4	
866+72.25, 51.93' RT.	ELEV. 38.9
END WALL	

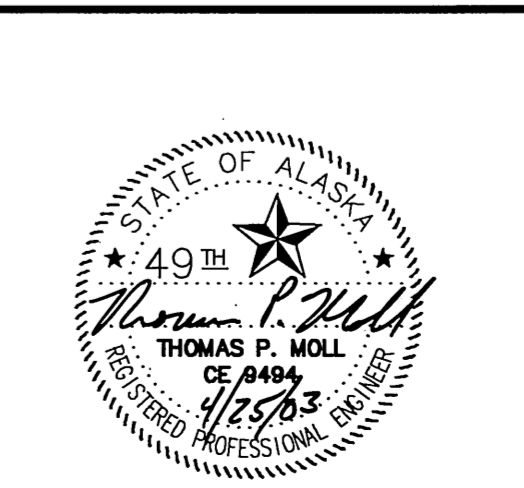
CURVE TABLE

CURVE	LENGTH	RADIUS	DELTA
1	36.59	100	20° 58' 02"
2	41.67	100	23° 52' 21"
3	29.08	100	16° 39' 46"
4	32.97	300	6° 17' 50"

SPECIFICATIONS STANDARDS COMPUTER DESIGNATION XREFS: BASE: KGB.DWG AUTOCAD: PATT/ANASSA-53922R2.F1R101-DET_KGB.DWG
 DESIGNED BY: IP/AS/GJ/AW CHECKED BY: 04/25/2003
 VIEW = 1 SCALE = 1" = 25'



PLAN



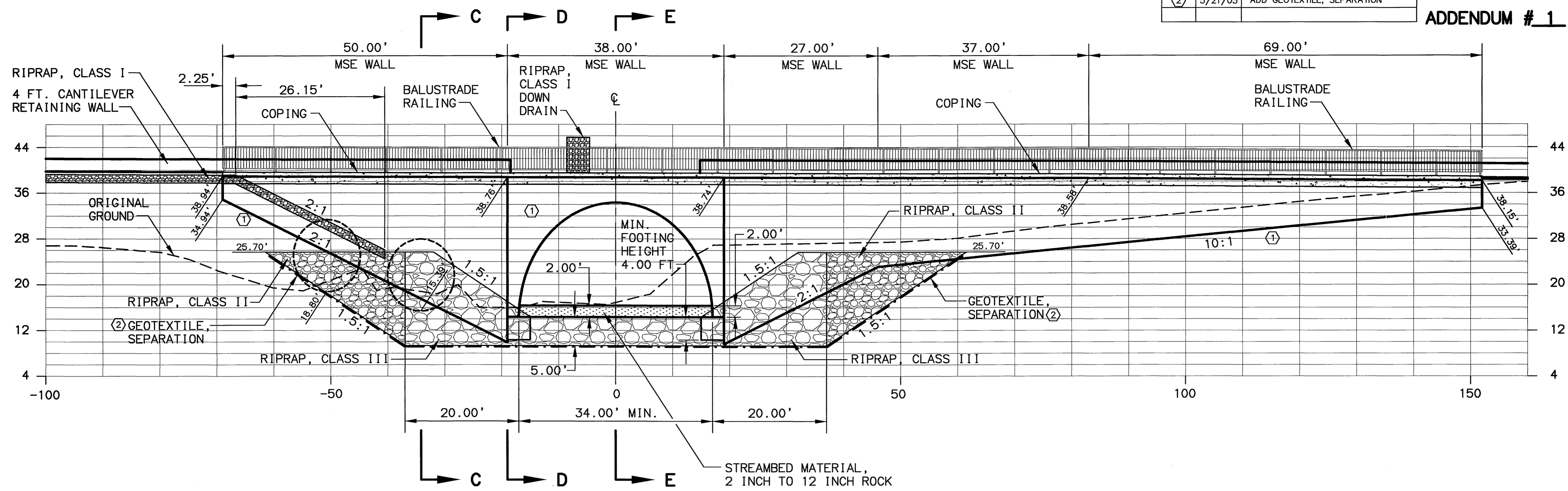
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND
 PUBLIC FACILITIES

**KNIK-GOOSE BAY ROAD
 REHABILITATION AND PATHWAY**

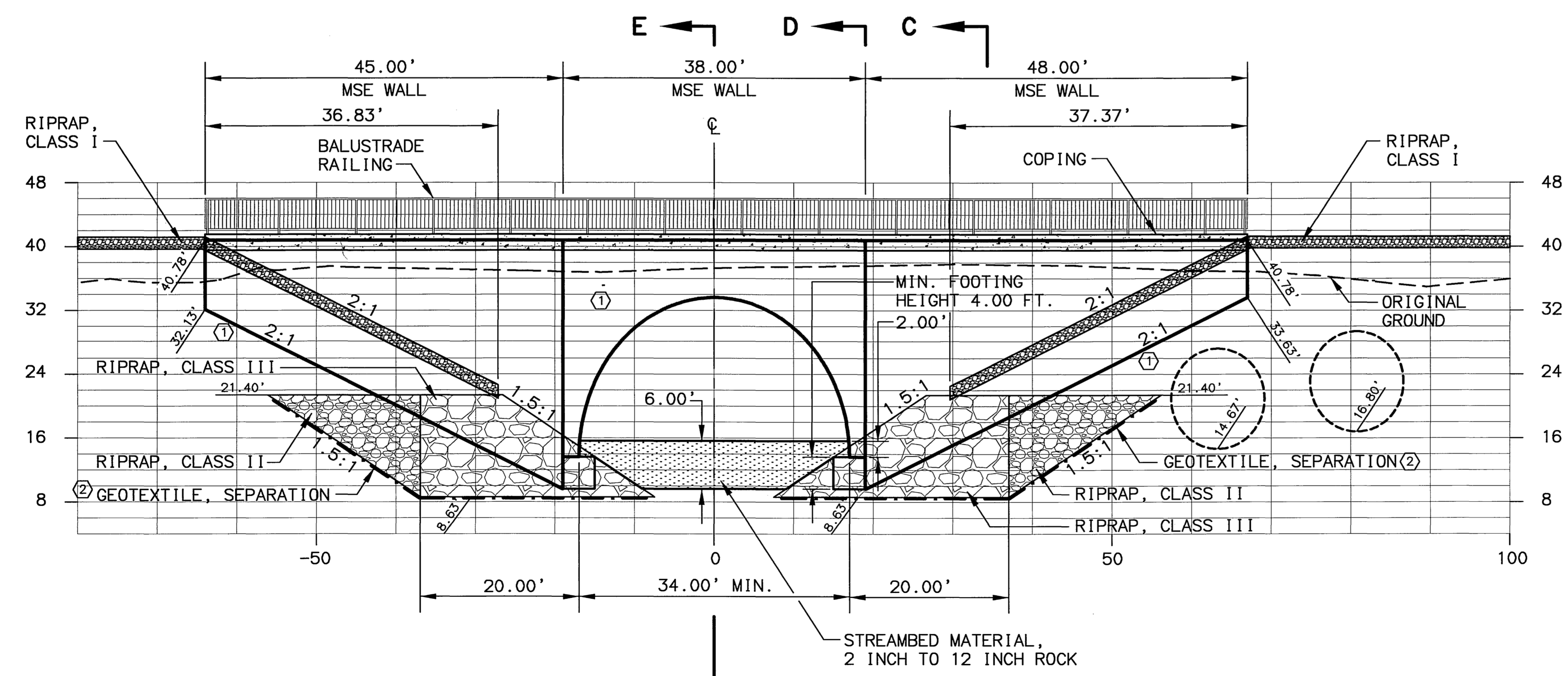
**SEGMENTAL PRECAST CONCRETE ARCH
 FISH CREEK**

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
(1)	5/21/03	CHANGE WALL TYPE	ALASKA	CA-0525(11)/53922	2003	E9	E19
(2)	5/21/03	ADD GEOTEXTILE, SEPARATION					

ADDENDUM # 1, ATTACHMENT # 1



FISH CREEK SECTION A-A



FISH CREEK SECTION B-B

NOTES:

PRECAST CONCRETE: $f'c = 5,000$ psi
 CAST IN PLACE CONCRETE: $f'c = 4,000$ psi
 REINFORCED STEEL: $F_y = 60,000$ psi

ALL CAST IN PLACE CONCRETE SHALL BE CLASS "A"
 REINFORCING STEEL USE ASTM A615 GR 60

NATURAL GAS POCKETS ENCOUNTERED DURING TEST HOLE
 DRILLING

CONCRETE FOOTINGS FOR THE PRECAST CONCRETE ARCH
 WILL BE PILE-SUPPORTED

SEE SHEET E8 FOR REVISED TOP OF COPING ELEVATIONS.
 SEE SHEET E11 FOR REVISED FOUNDATION DETAILS.

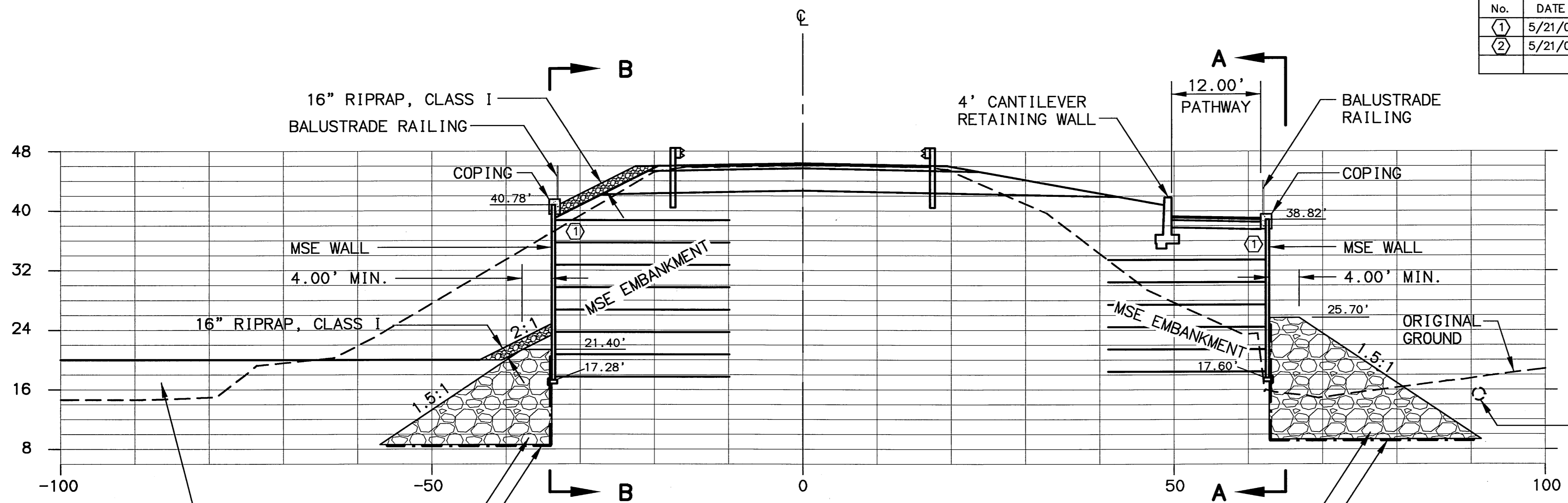


STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND
 PUBLIC FACILITIES
**KNIK-GOOSE BAY ROAD
 REHABILITATION AND PATHWAY**
 SEGMENTAL PRECAST CONCRETE ARCH
 SECTION A-A, SECTION B-B
 FISH CREEK

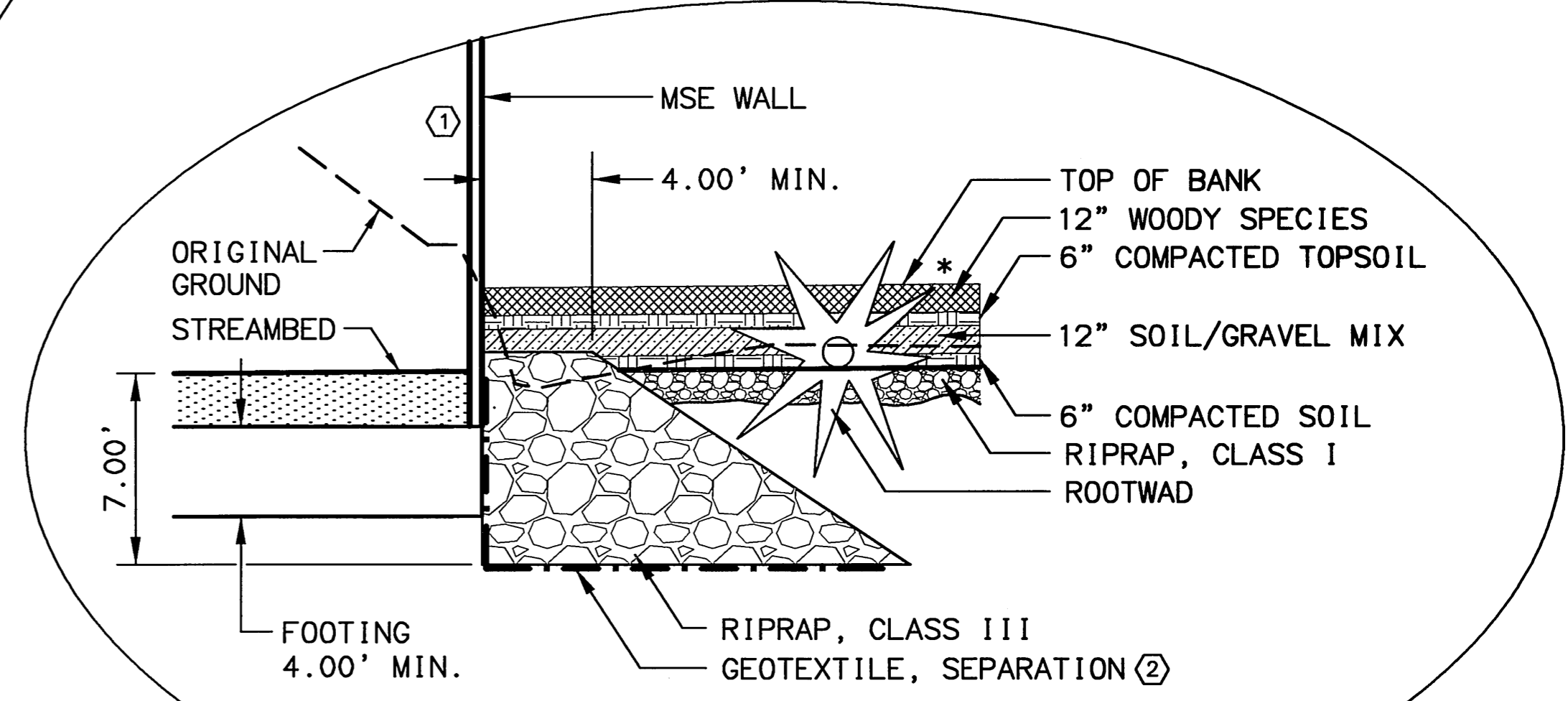
SPECIFICATIONS: XREFS: BASE, KGB, DWG
 STANDARDS: AUTOCAD-PATTI/ANASSA-53922R2 FISH SECTIONS, DWG
 COMPUTER DESIGNATION: 08/20/2003
 DESIGNED BY: VIEW = E9
 CHECKED BY: SCALE = 1" = 10'
 DRAFTED BY: LG/PJ/VJS

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	CA-0525(11)/53922	2003	E10	E19
①	5/21/03	CHANGE WALL TYPE					
②	5/21/03	ADD GEOTEXTILE, SEPARATION					

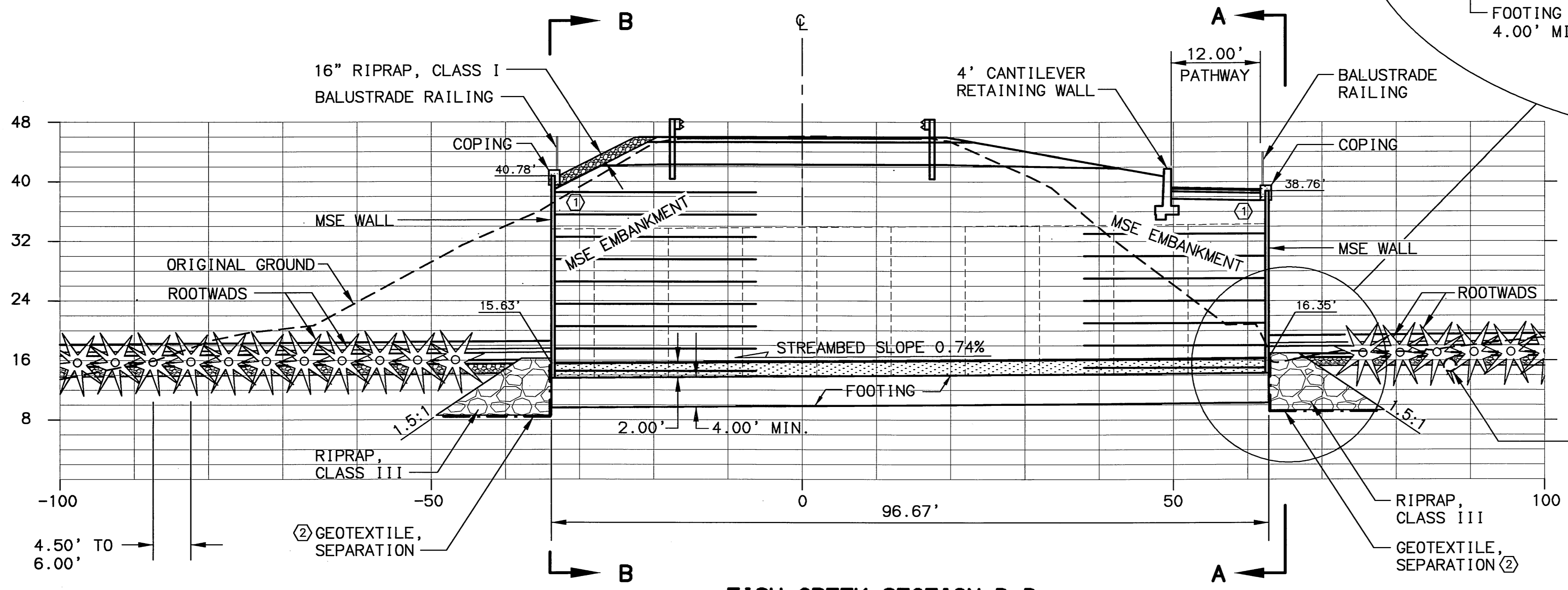
ADDENDUM #1, ATTACHMENT #1



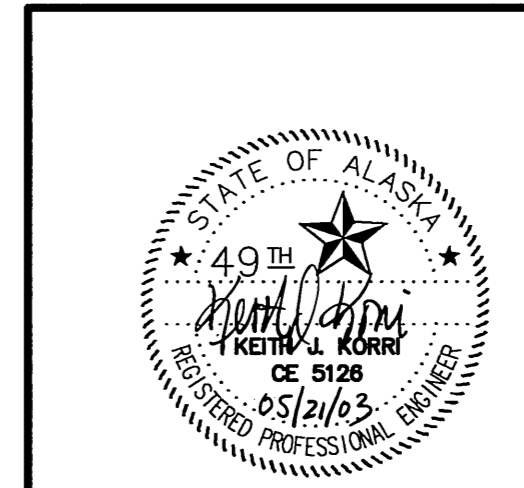
FISH CREEK SECTION C-C



* BANK HEIGHT AND THE NUMBER OF TOPSOIL AND SOIL GRAVEL MIX LAYERS WILL VARY.



FISH CREEK SECTION D-D



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES
**KNIK-GOOSE BAY ROAD
REHABILITATION AND PATHWAY**
SEGMENTAL PRECAST CONCRETE ARCH
SECTION C-C, SECTION D-D
FISH CREEK

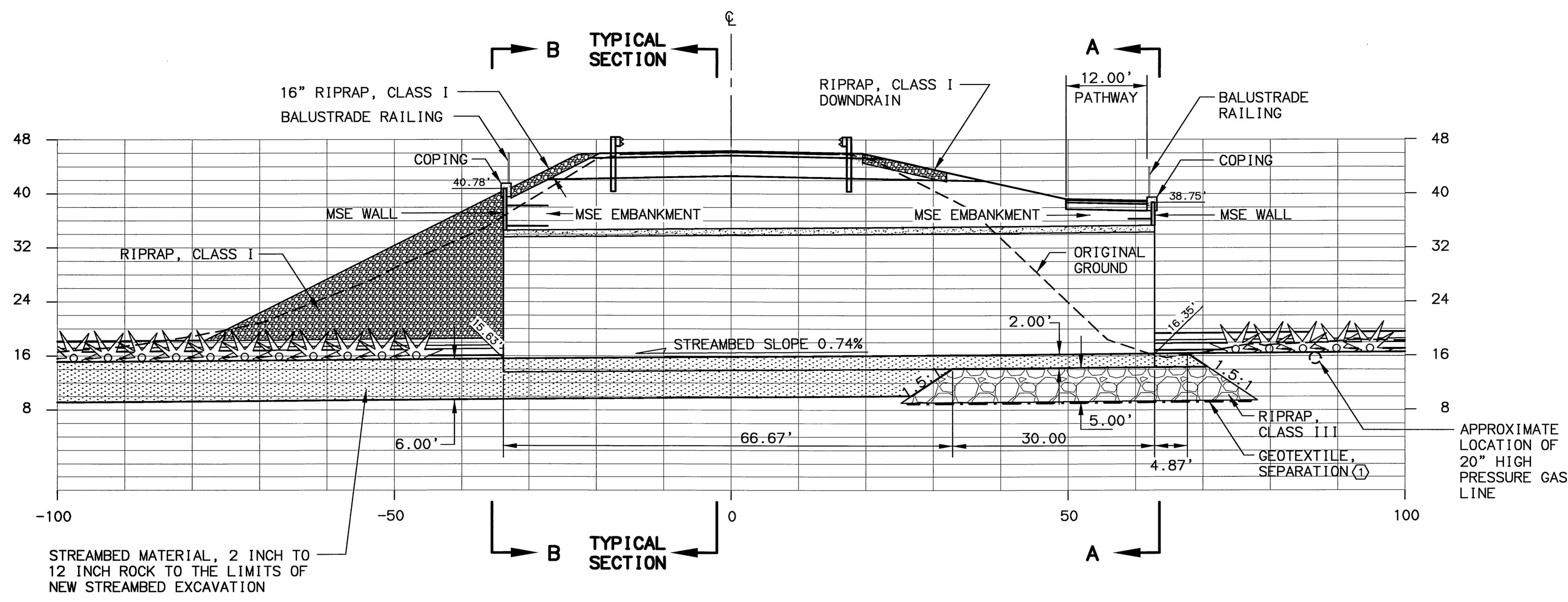
SPECIFICATIONS
 DESIGNED BY: ETO
 CHECKED BY: LG/PL/WS
 SCALE: 1" = 10'
 DRAFTED BY: LG/PL/WS
 08/29/2003
 COMPUTER DESIGNATION: AUTOCAD-PATHWAY/ANESSA-53922/FISH-SECTIONS.DWG

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	CA-0525(11)/53922	2003	E11	E19
①	5/21/03	ADD GEOTEXTILE, SEPARATION					

ADDENDUM # 1, ATTACHMENT # 1

NOTES:

1. NEW STREAMBED CHANNEL WILL BE CONSTRUCTED FROM APPROXIMATELY 12 FEET UPSTREAM OF ARCH TO APPROXIMATELY 93 FEET DOWNSTREAM OF ARCH. THE APPROXIMATE SLOPE OF THE NEW STREAMBED WILL BE 0.74%.
2. NO WASTE MATERIAL WILL BE PLACED OR STORED ON THE NEWLY CONSTRUCTED STREAM CHANNEL.
3. UPON EVALUATION OF THE ARCH'S HYDRAULIC DIMENSIONS BY ADOT&PF REGIONAL HYDROLOGIST, CERTAIN QUANTITIES ASSOCIATED WITH THE HYDRAULIC OPENING MAY BE CHANGED BY ADOT&PF. FOR ESTIMATION PURPOSES ADOT&PF USED A 34'x 20' PARABOLIC HYDRAULIC OPENING.
4. MATCH THE FISH CREEK VERTICAL ALIGNMENT IN THE ARCH WITH THE FISH CREEK VERTICAL ALIGNMENT, JUST UPSTREAM AND DOWNSTREAM OF KNIK-GOOSE BAY ROAD.



FISH CREEK SECTION E-E

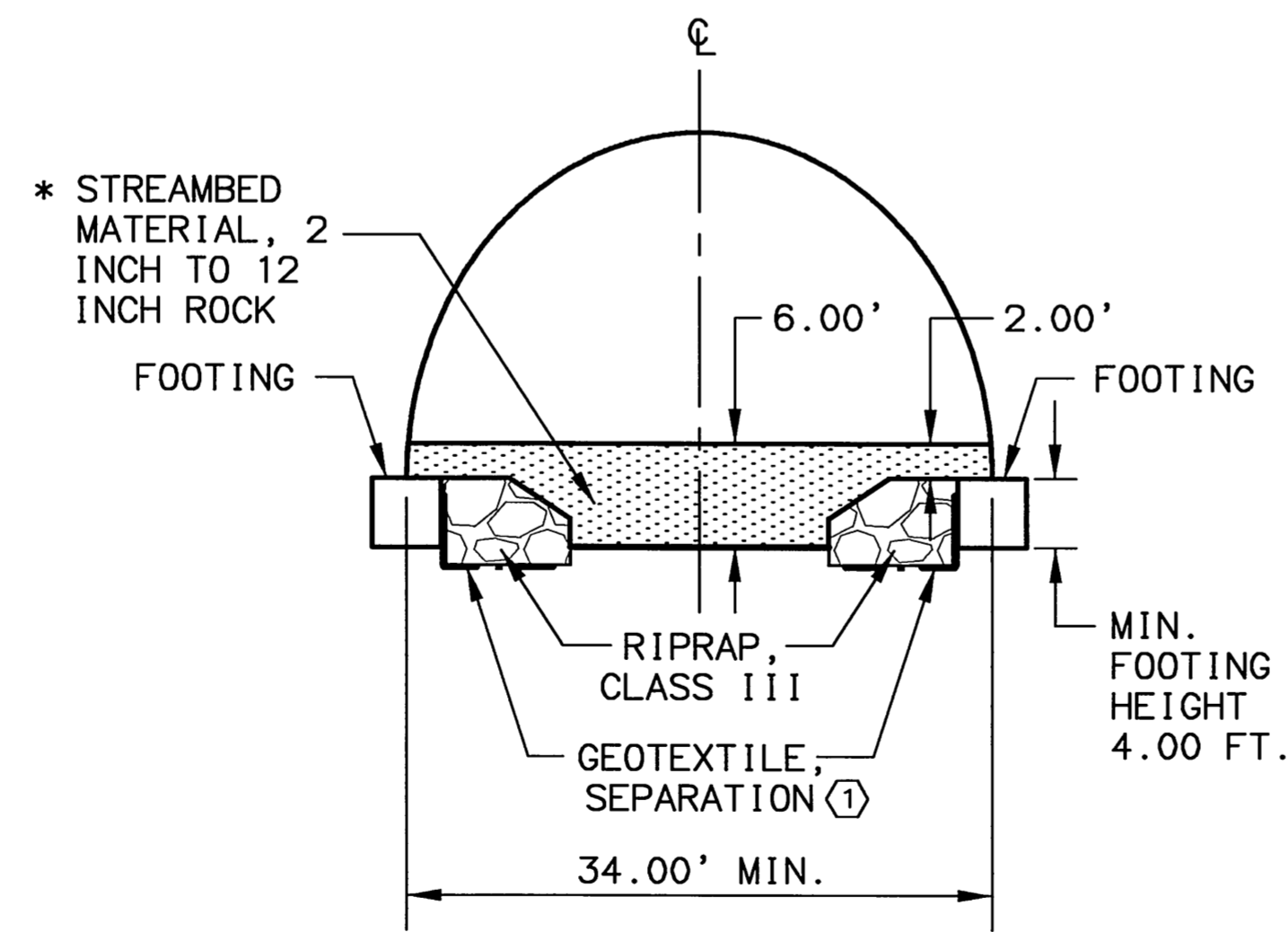
**KNIK-GOOSE BAY
FISH CREEK BRIDGE No. 4033**

HYDRAULIC AND HYDROLOGIC SUMMARY

	50	100	500
FLOOD FREQUENCY (YR)	50	100	500
EXCEEDANCE PROBABILITY (%)	2	1	0.2
DESIGN DISCHARGE (CFS)	1886	2207	3027
DESIGN HIGHWATER (FT)	23.8	24.7	26.7
ANTICIPATED ADDITIONAL BACKWATER (FT)	0.0	0.0	N/A
CONTRACTION SCOUR (FT)	N/A	5.2	9.2
ABUTMENT SCOUR (FT)	N/A	6.2	5.5
TOTAL SCOUR (FT)	N/A	11.4	14.7

DRAINAGE AREA FOR THIS CROSSING: 122.9 SQUARE MILES.

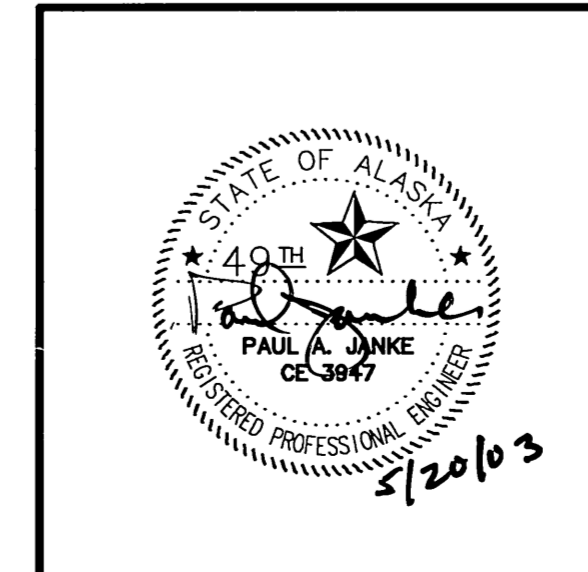
- SCOUR DEPTHS GIVEN ABOVE ARE BASED ON THE PROPOSED DESIGN WITH NO PROTECTION.
- SCOUR DEPTHS GIVEN ABOVE MAY DIFFER FOR DIFFERENT DESIGNS.
- NO SCOUR IS ANTICIPATED WITH THE PROPOSED RIPRAP PROTECTION.



TYPICAL SECTION - FISH CREEK ARCH

*FIRST 30' INSIDE INLET OF ARCH WILL CONTAIN RIPRAP, CLASS III AND STREAMBED MATERIAL. SEE FISH CREEK SECTION A-A AND SECTION E-E.

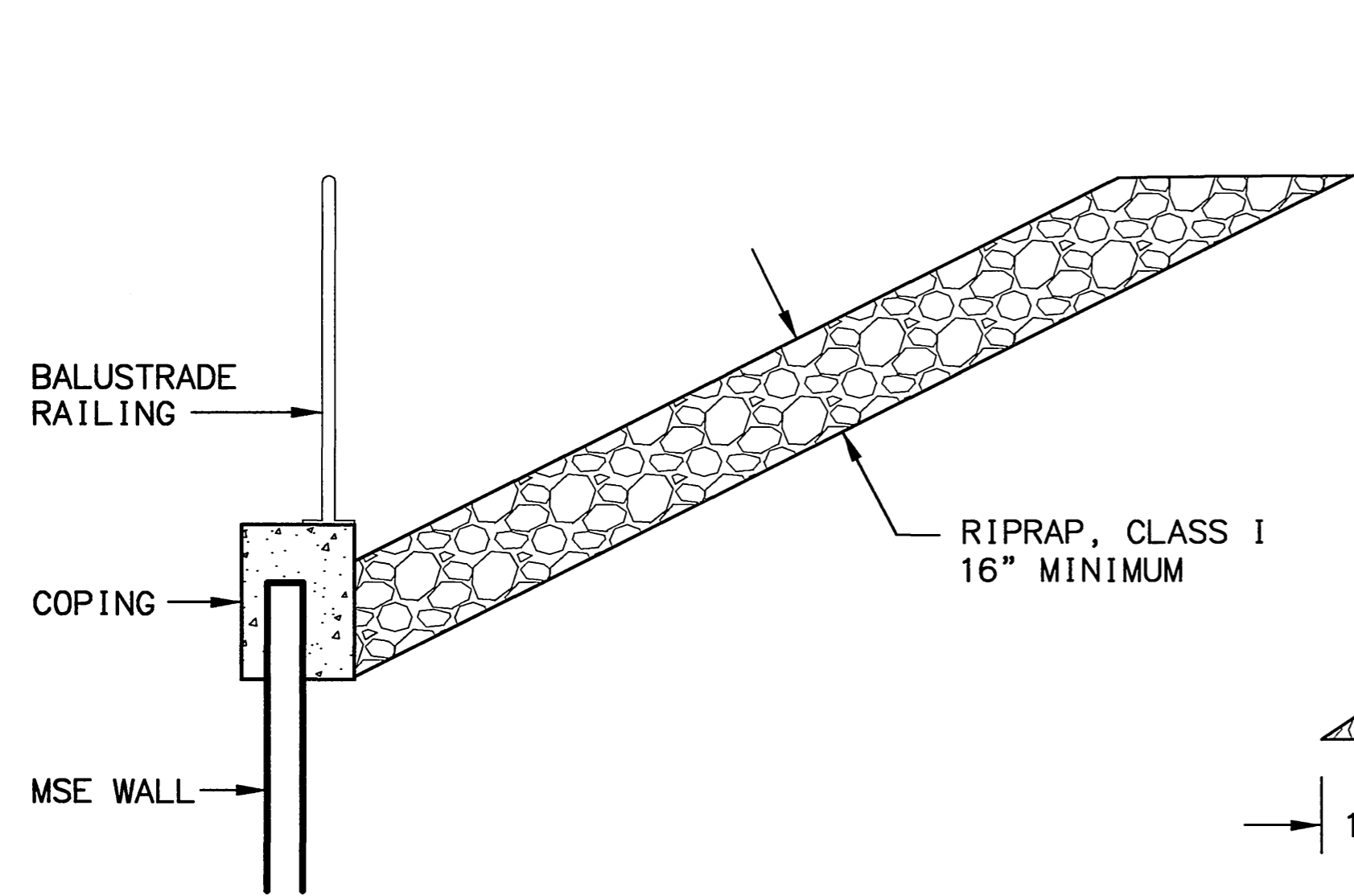
SPECIFICATIONS: XREFS: BASE: KGB.DWG; AUTOCAD: PATTI/VANESSA-53922R22.FISH SECTIONS.DWG; DESIGNED BY: ELLI; CHECKED BY: [blank]; DRAFTED BY: [blank]; DATE: 08/20/2003



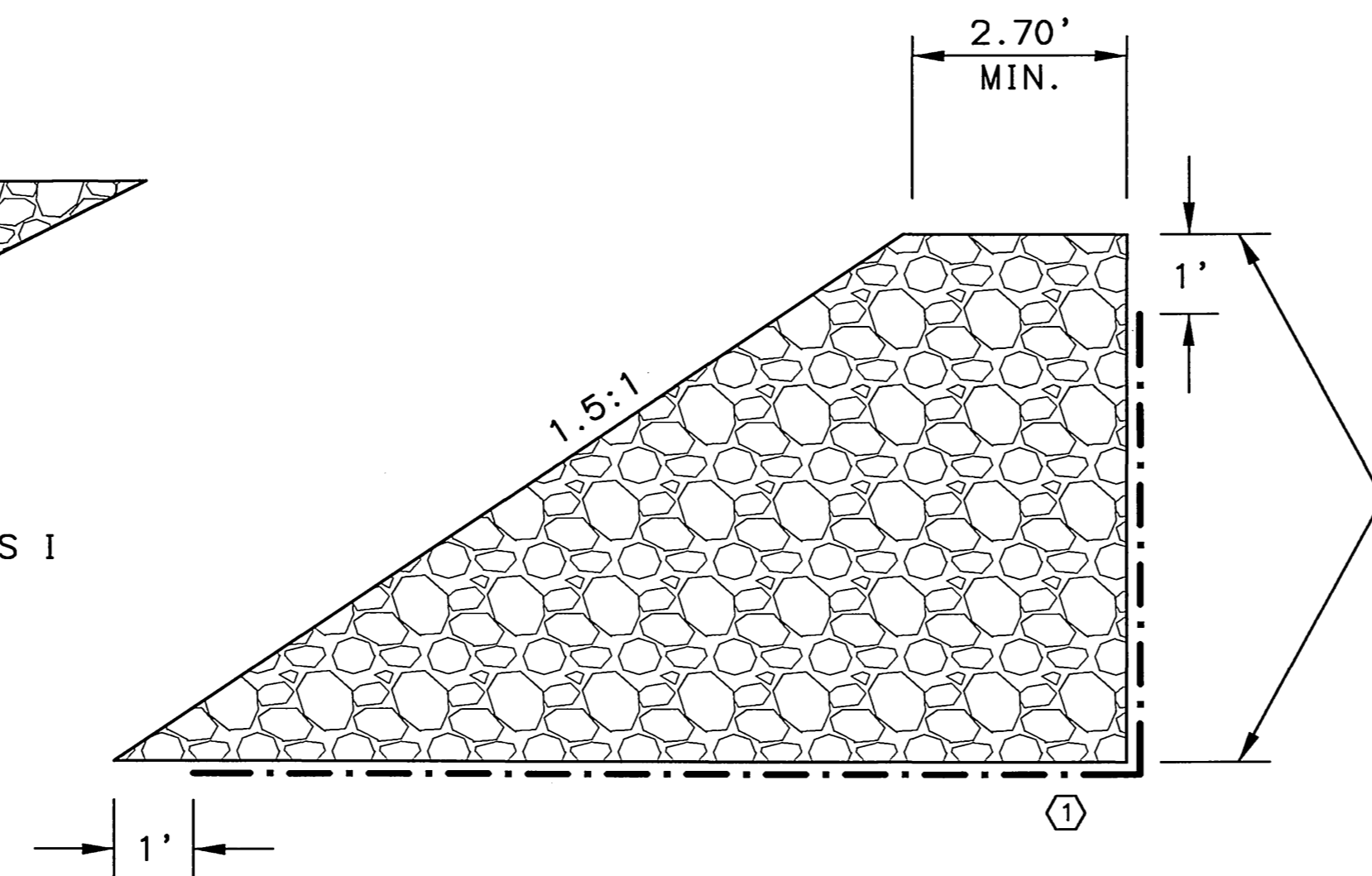
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES
**KNIK-GOOSE BAY ROAD
REHABILITATION AND PATHWAY**
SEGMENTAL PRECAST CONCRETE ARCH
SECTION E-E
FISH CREEK

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	CA-0525(11)/53922	2003	E12	E19
(1)	5/21/03	ADD GEOTEXTILE, SEPARATION					
(2)	5/21/03	CHANGE FOUNDATION FILL					

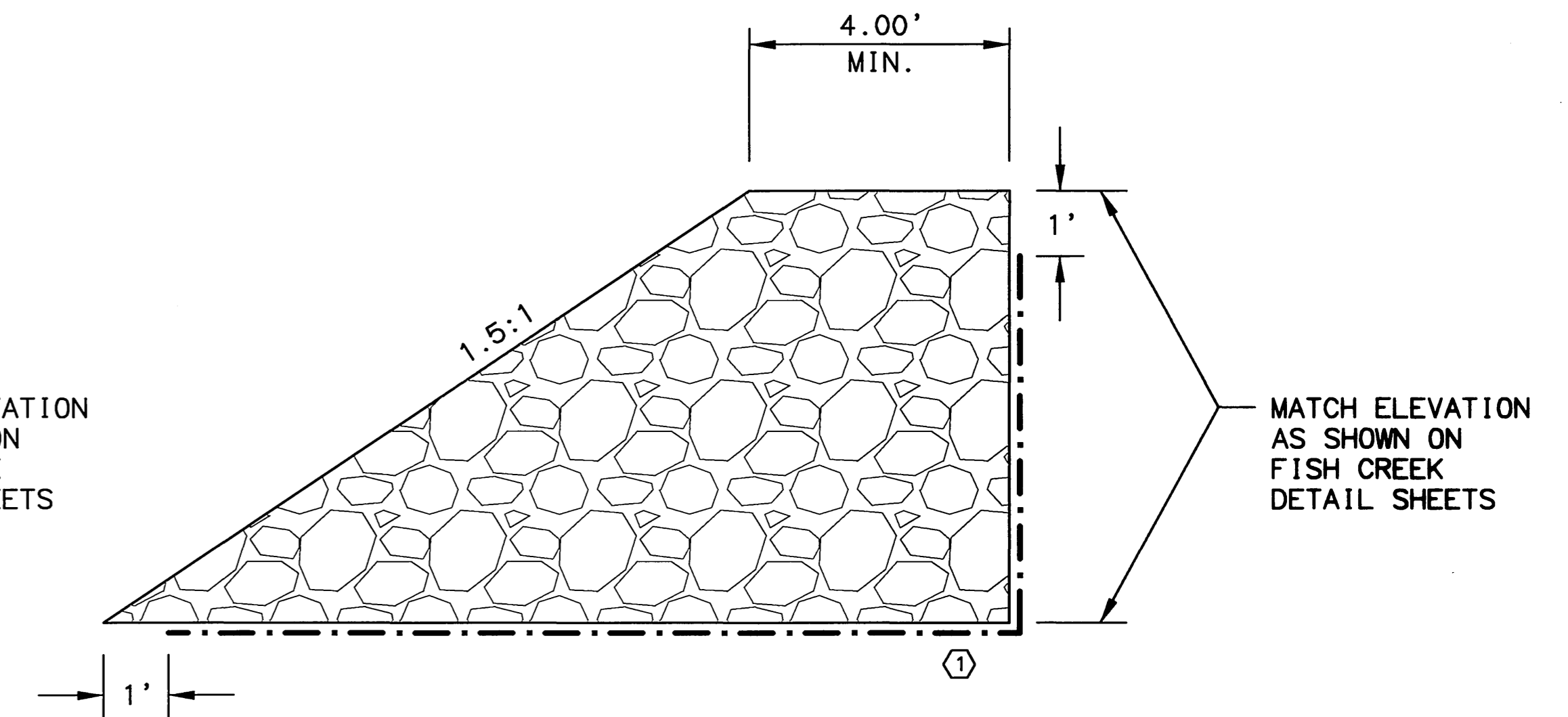
ADDENDUM # 1, ATTACHMENT # 1



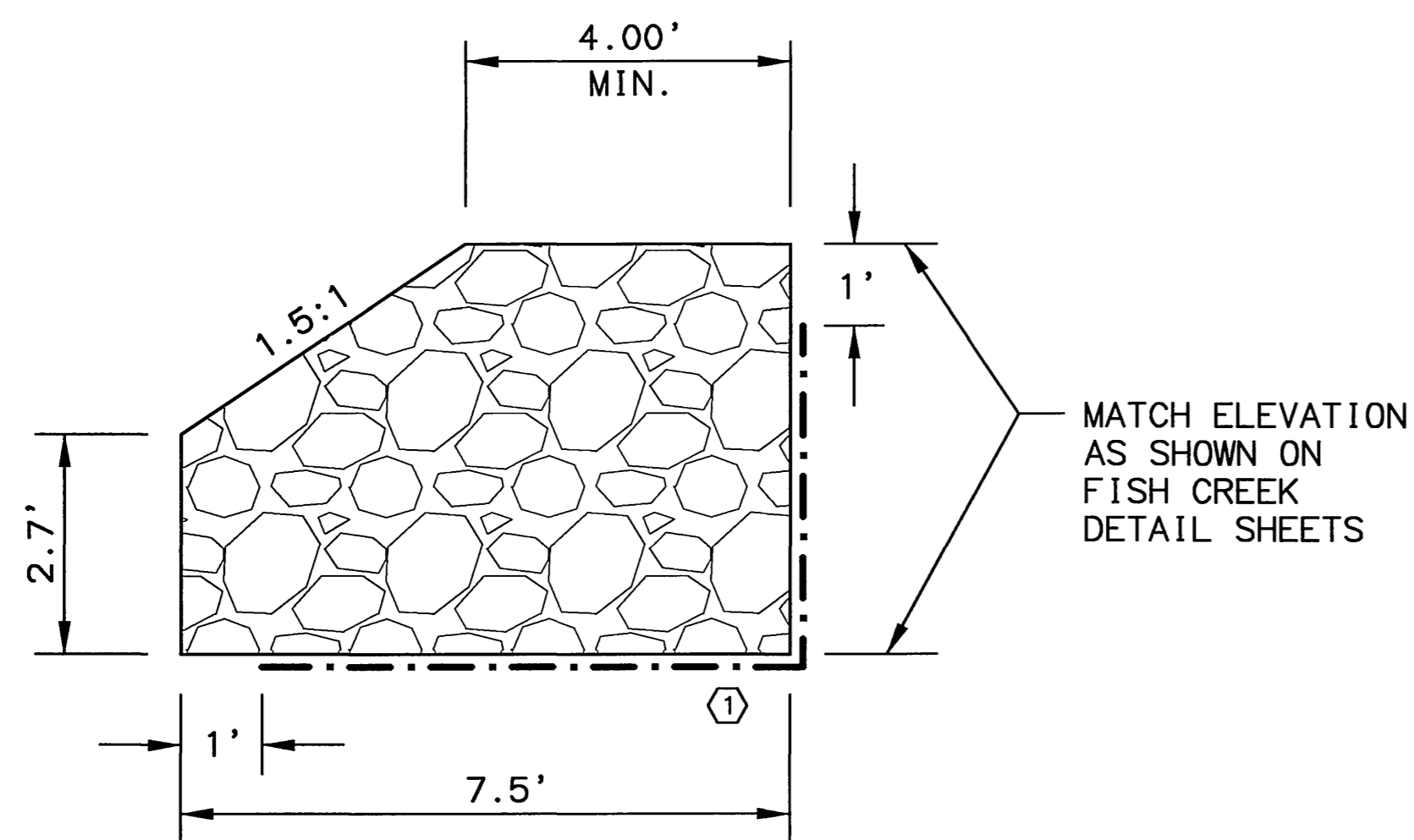
RIPRAP, CLASS I



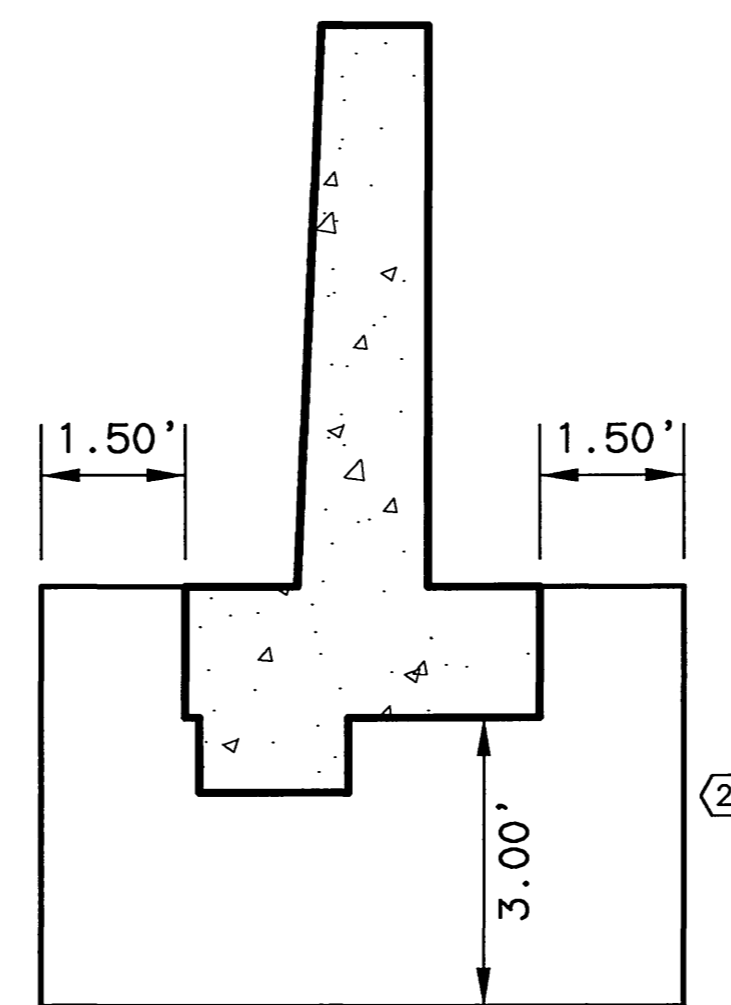
RIPRAP, CLASS II WITH GEOTEXTILE, SEPARATION



RIPRAP, CLASS III WITH GEOTEXTILE, SEPARATION

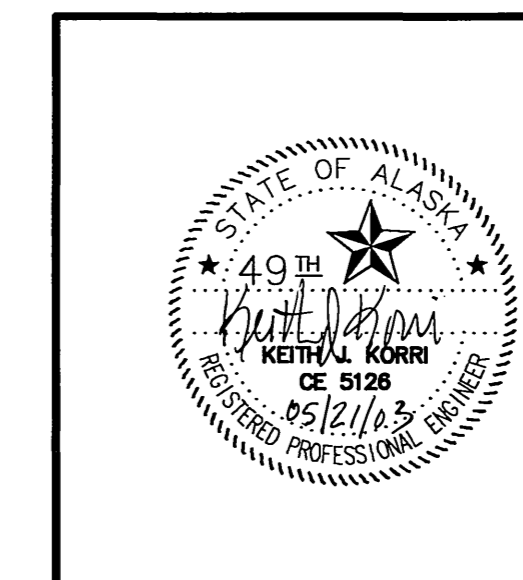


RIPRAP, CLASS III WITH GEOTEXTILE, SEPARATION - INSIDE ARCH



FOUNDATION FILL

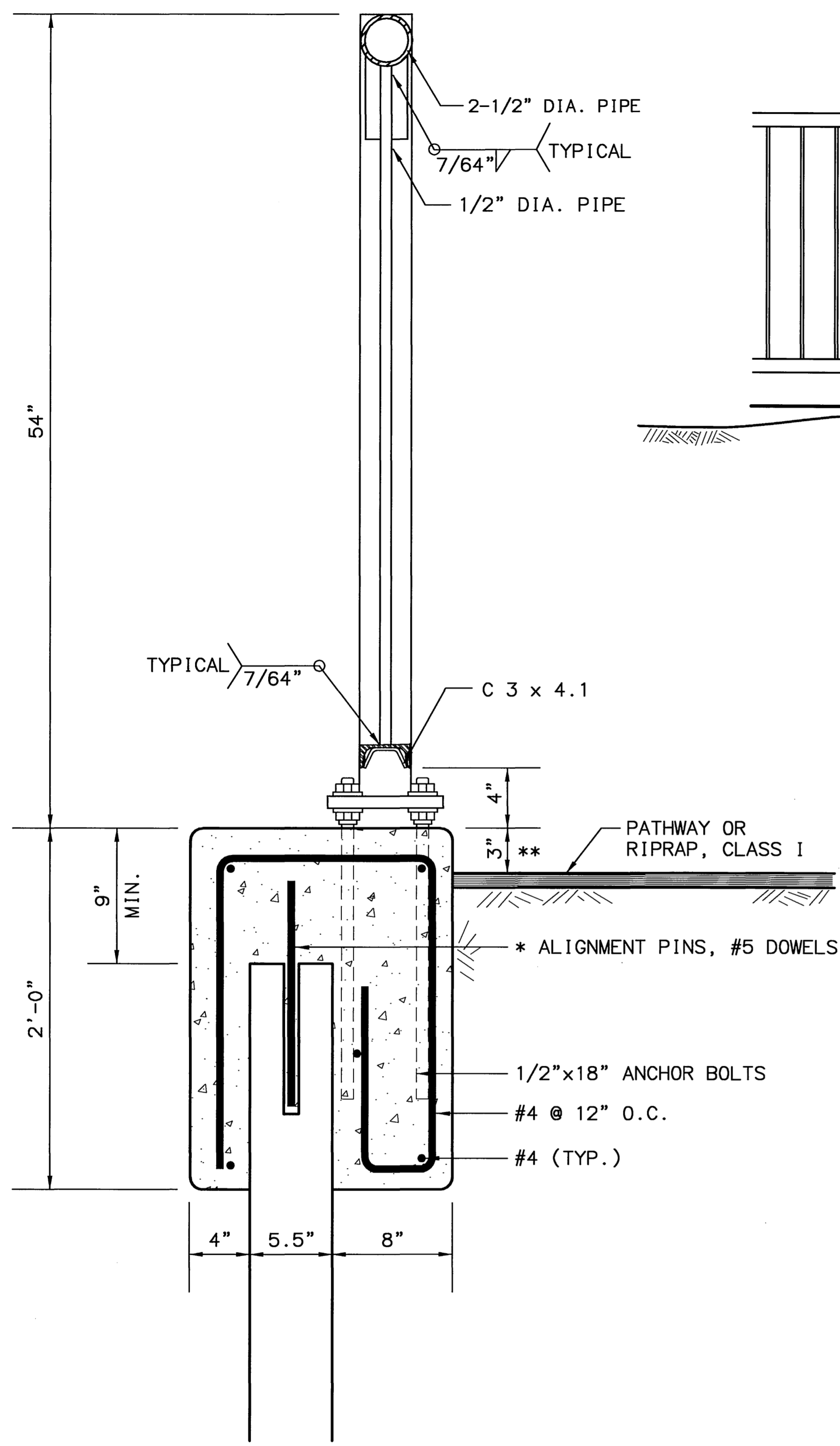
SPECIFICATIONS: BASE: KGB.DWG
 STANDARDS: AUTOCAD-PATHWAY/ANASSA-53922/FISH-SECTIONS.DWG
 DESIGNED BY: [blank]
 CHECKED BY: [blank]
 DRAFTED BY: IGJ/PL/MS
 VIEW: E12
 SCALE: 1"=5'-0"
 08/20/2003



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND
 PUBLIC FACILITIES

**KNIK-GOOSE BAY ROAD
 REHABILITATION AND PATHWAY
 SEGMENTAL PRECAST CONCRETE ARCH
 FISH CREEK
 FOUNDATION FILL AND RIPRAP**

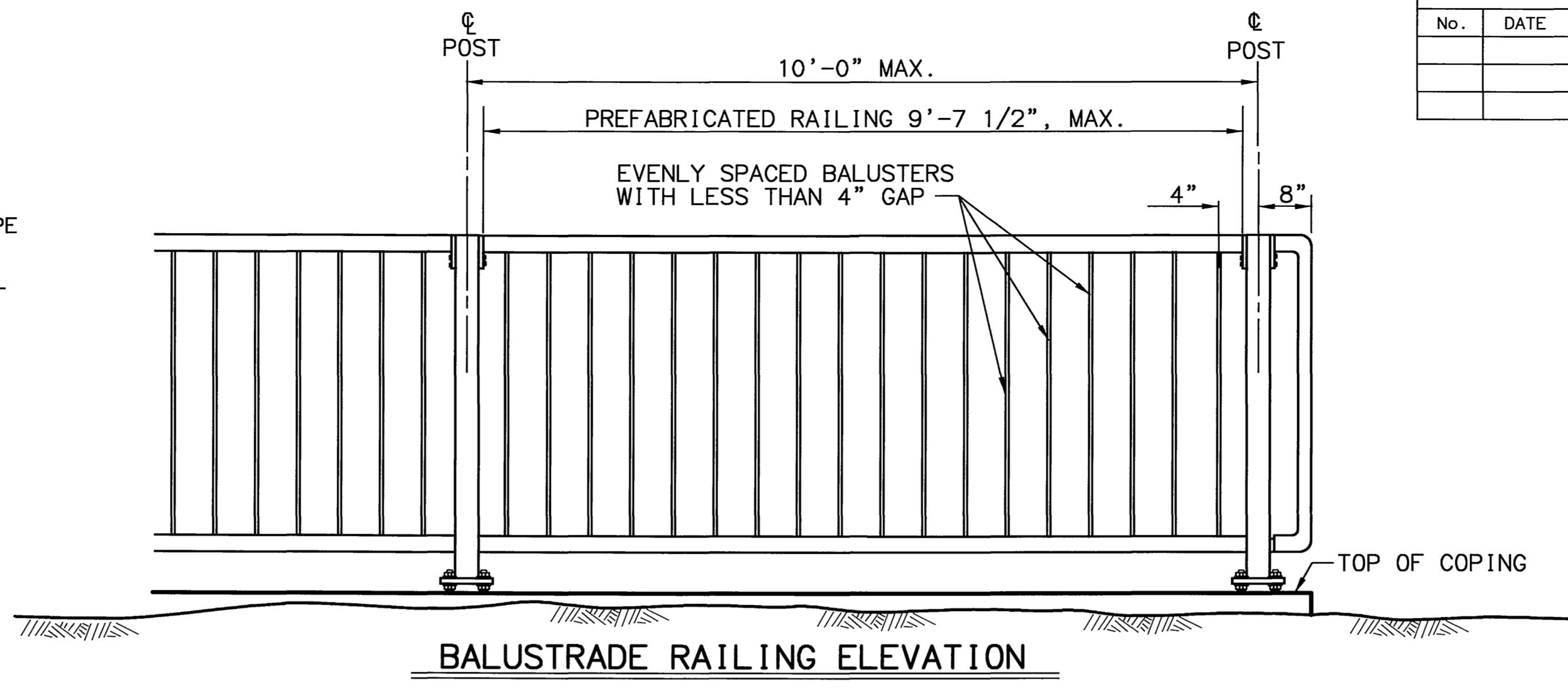
REVISIONS		STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	CA-0525(11)/53922	2003	E13 E19



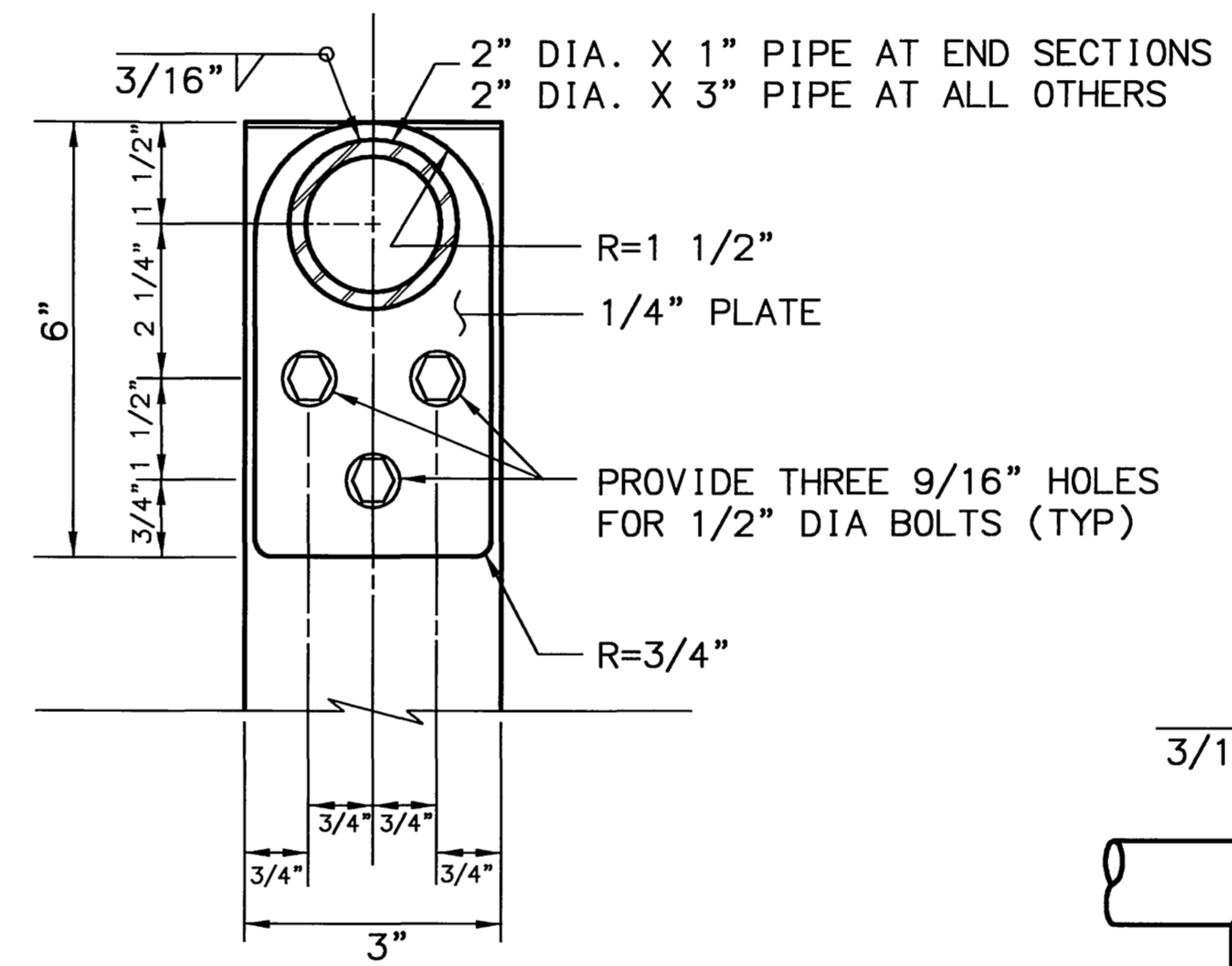
BALUSTRADE RAILING SECTION WITH COPING

* ALIGNMENT PINS SHALL BE INSTALLED IN ACCORDANCE WITH THE WALL MANUFACTURER'S RECOMMENDATIONS.

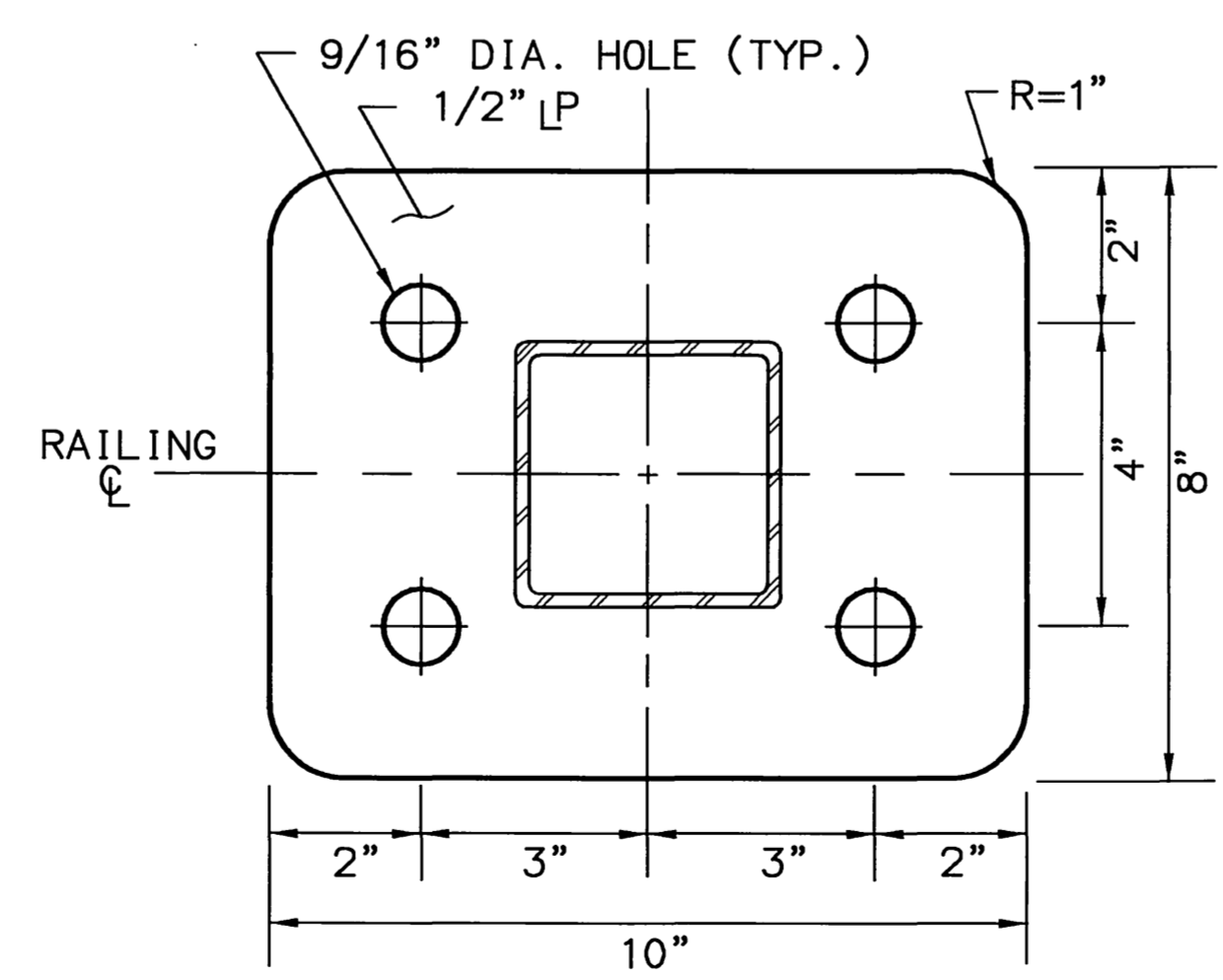
** FOR AREAS WHERE RIPRAP MEETS THE COPING, THE DISTANCE BETWEEN TOP OF COPING AND TOP OF RIPRAP VARIES FROM 2.5" TO 6.0".



BALUSTRADE RAILING ELEVATION

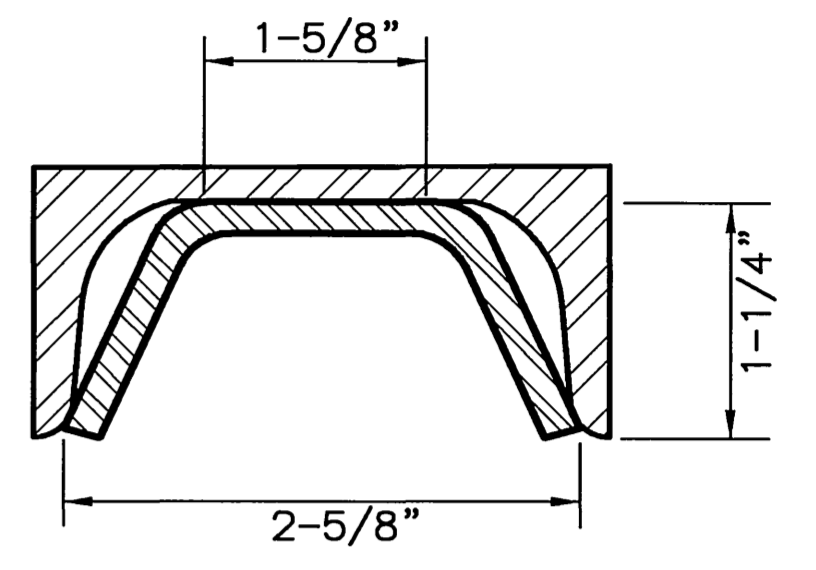


MOUNTING BRACKET



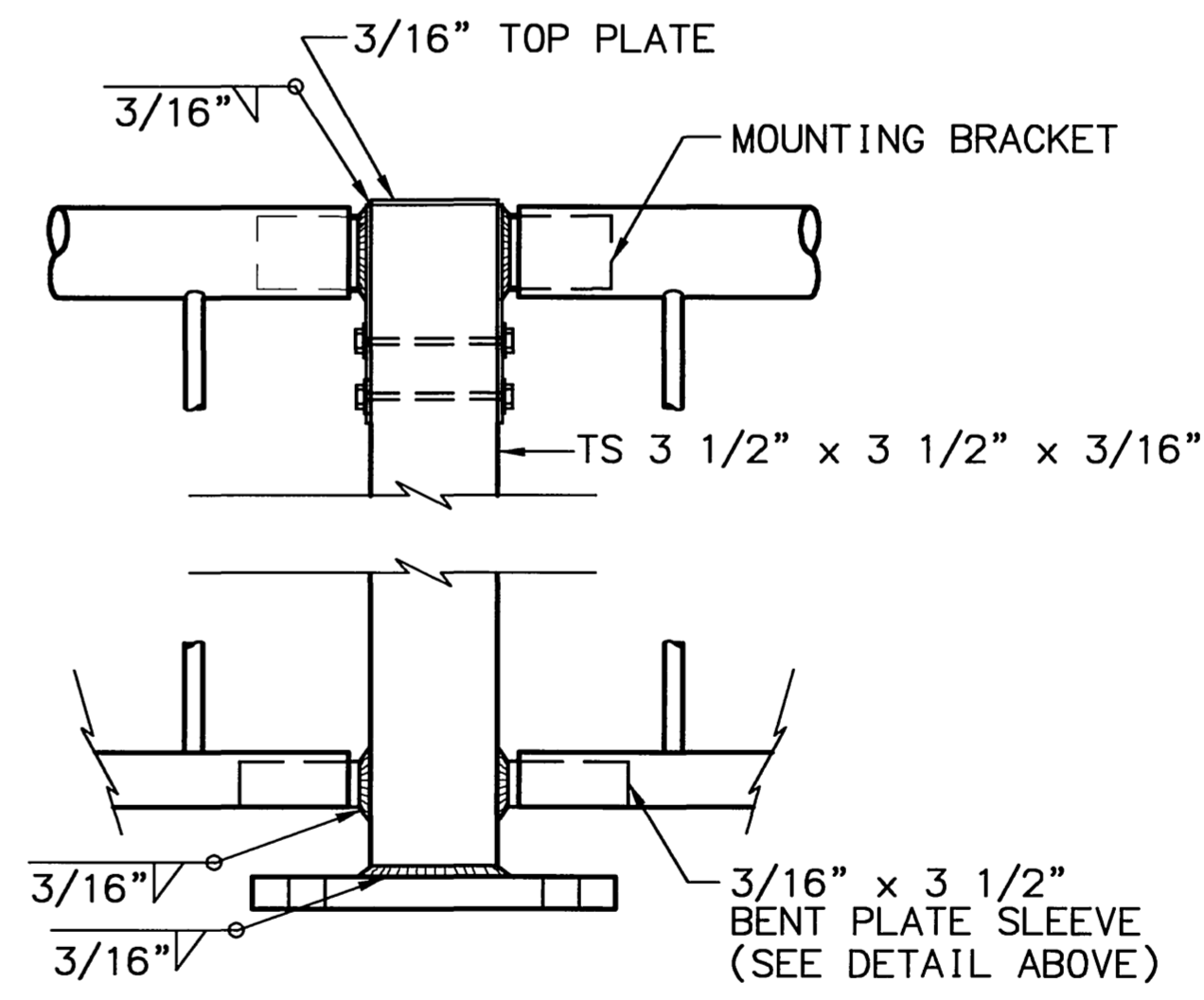
BASE PLATE

BALUSTRADE RAILING DETAILS

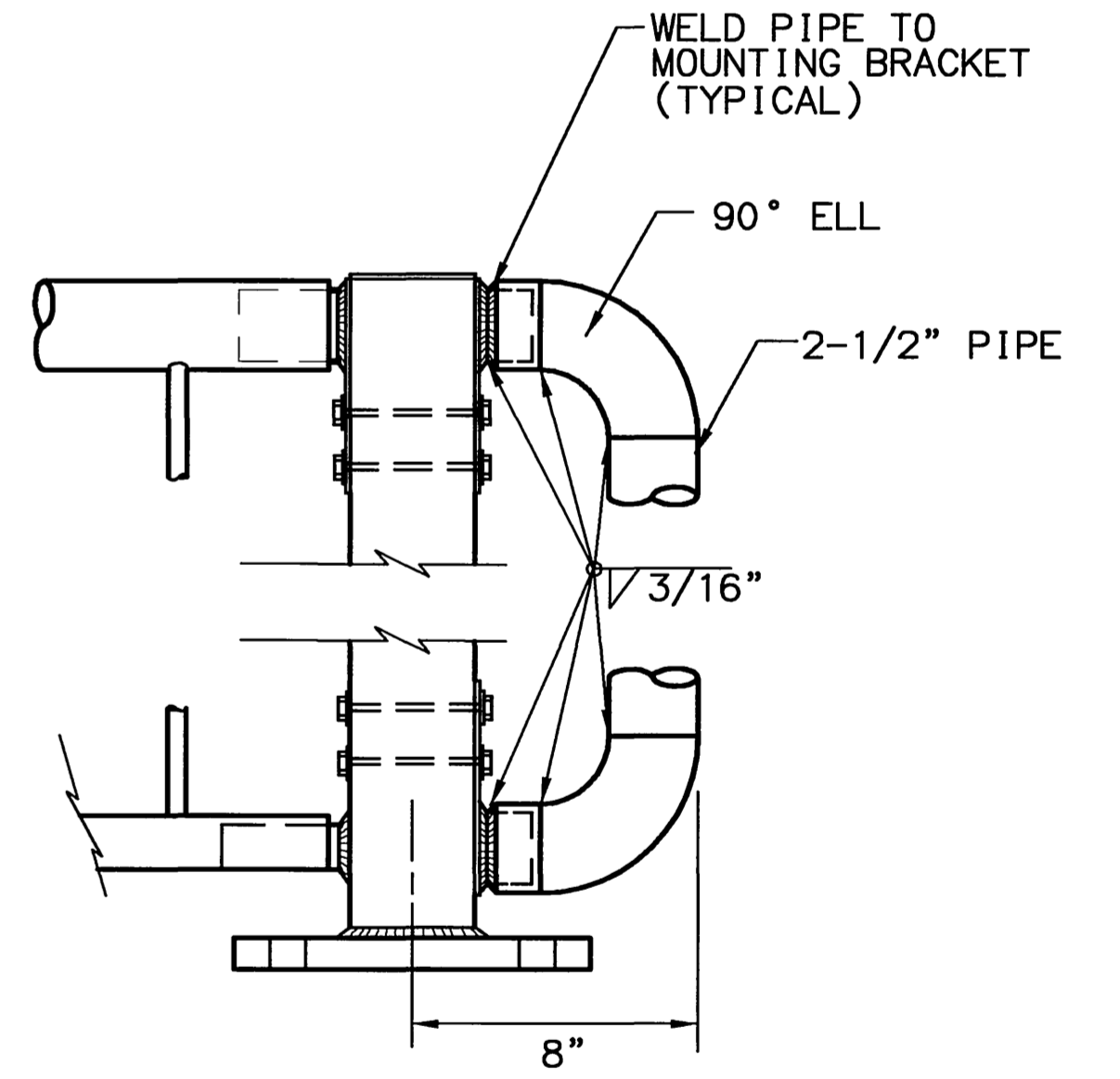


BENT PLATE SLEEVE DETAIL

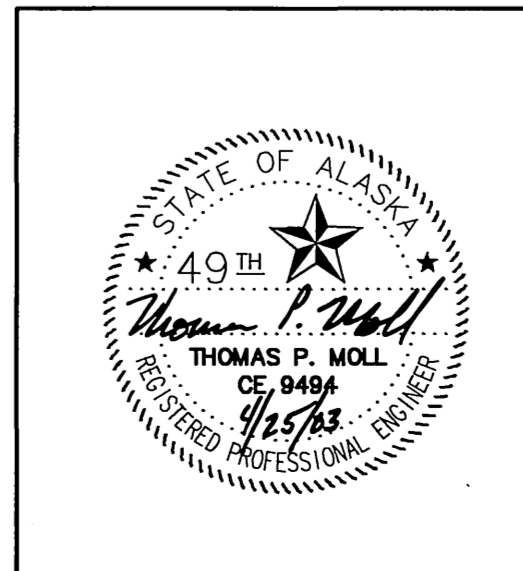
3/16 PLATE BENT TO FIT SNUGLY INSIDE C3 x 4.1



POST DETAILS AND RAILING MOUNTING



END SECTION MOUNTING



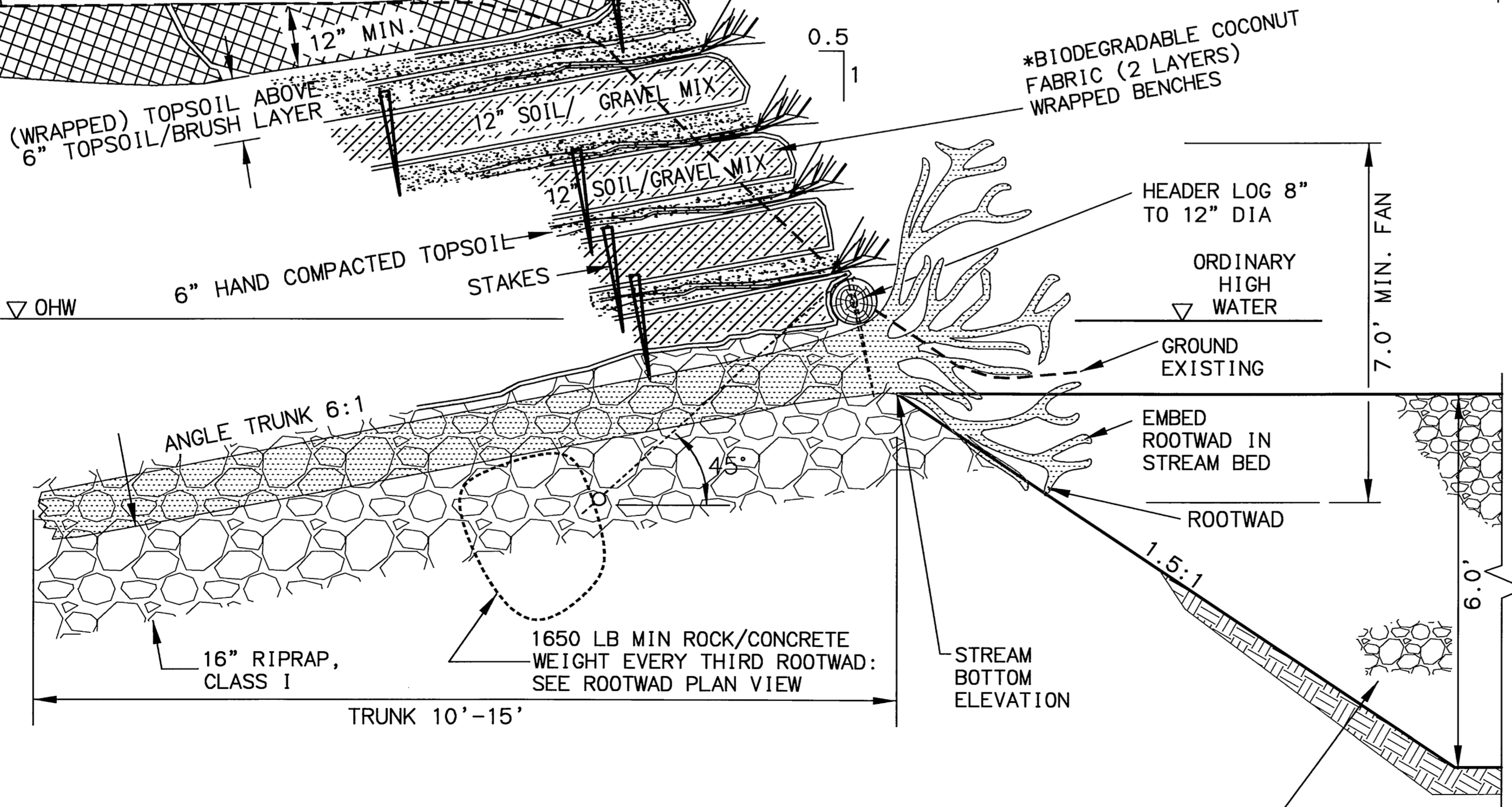
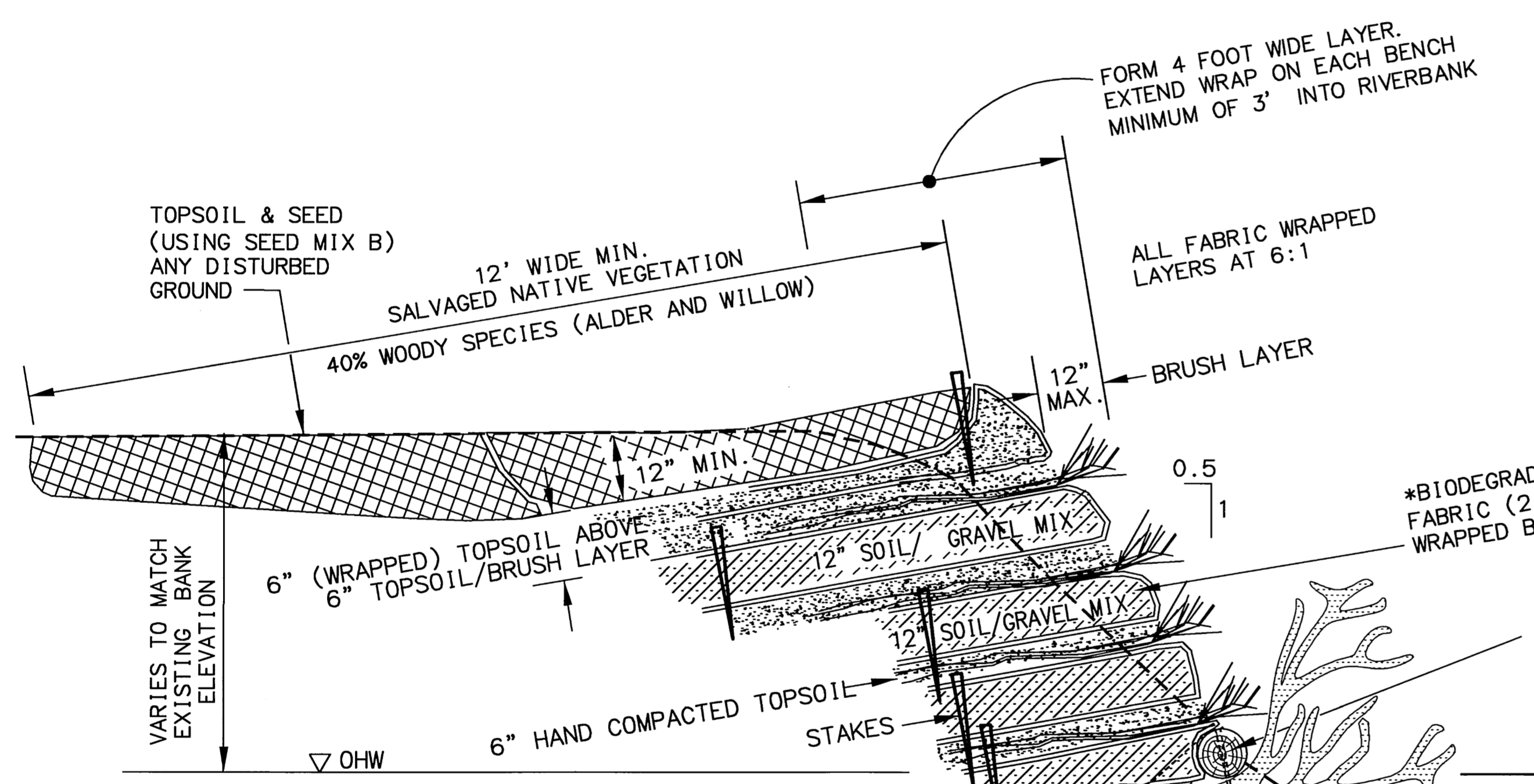
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

**KNIK-GOOSE BAY ROAD
REHABILITATION AND PATHWAY**

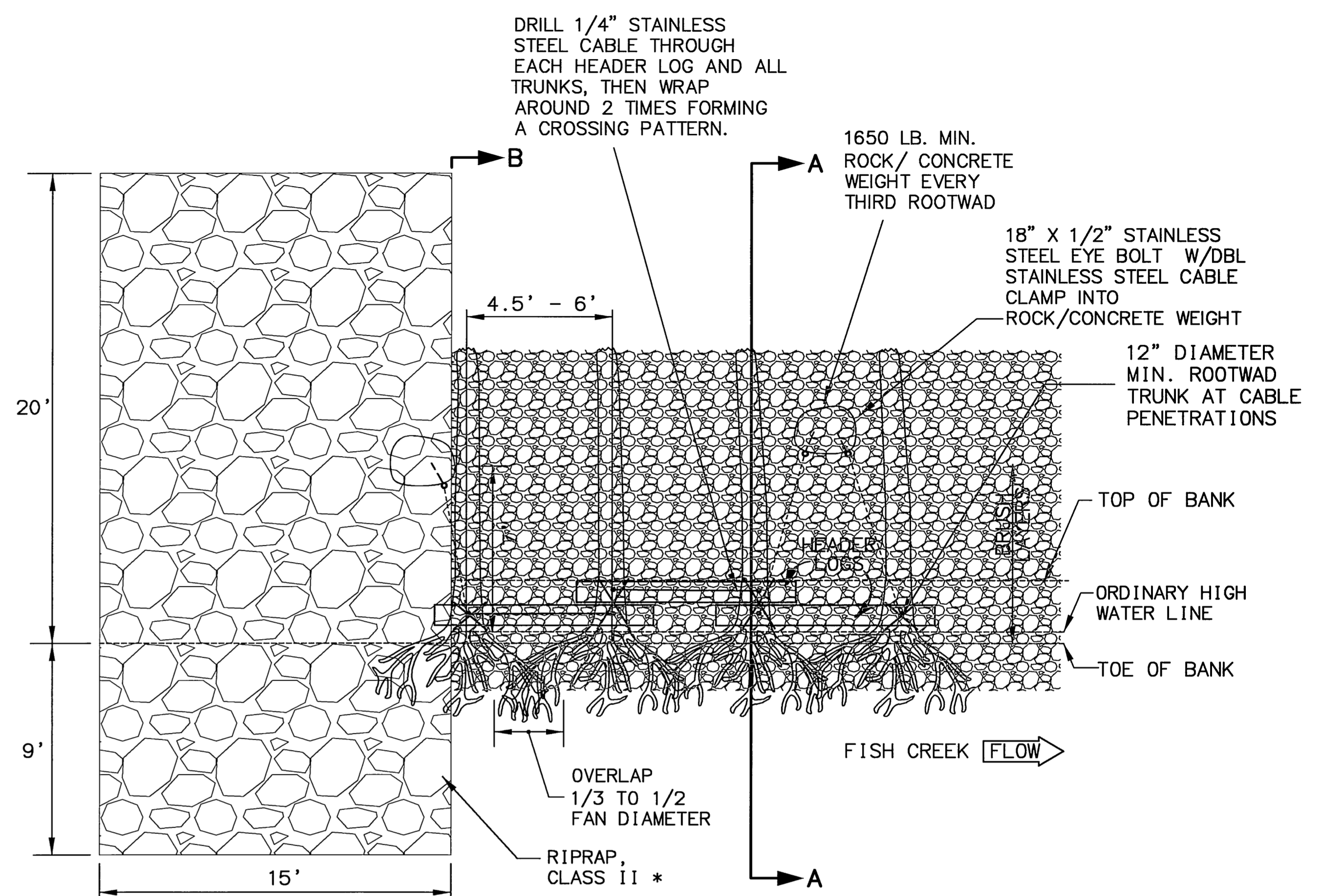
SEGMENTAL PRECAST CONCRETE ARCH
FISH CREEK
BALUSTRADE RAILING

REVISIONS		STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	CA-0525(11)/53922	2003	E14 E19

SPECIFICATIONS STANDARDS COMPUTER DESIGNATION: AUTOCAD-PATIT/ANESSA-53922R2Rootwad.Dwg SCALE: 1"=6' LAYOUT SCALE = 5' DESIGNED BY: P/VA/S CHECKED BY: P/VA/S DATE: 04/18/2003 VIEW # 2

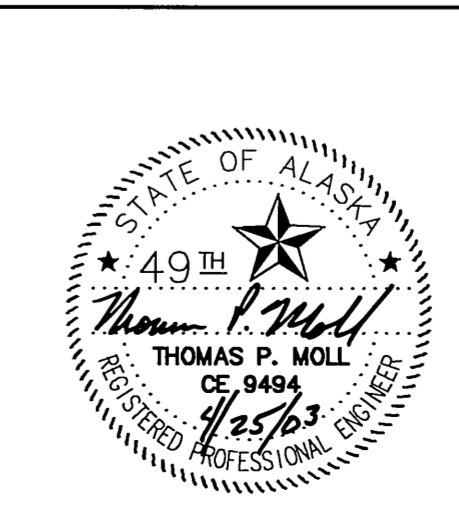


ROOTWAD TYPICAL SECTION A-A
NOT TO SCALE



ROOTWAD PLAN VIEW
NOT TO SCALE

* RIPRAP, CLASS II ONLY ON UPSTREAM FISH CREEK, SEE FISH CREEK DETAIL



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
KNIK-GOOSE BAY ROAD REHABILITATION AND PATHWAY

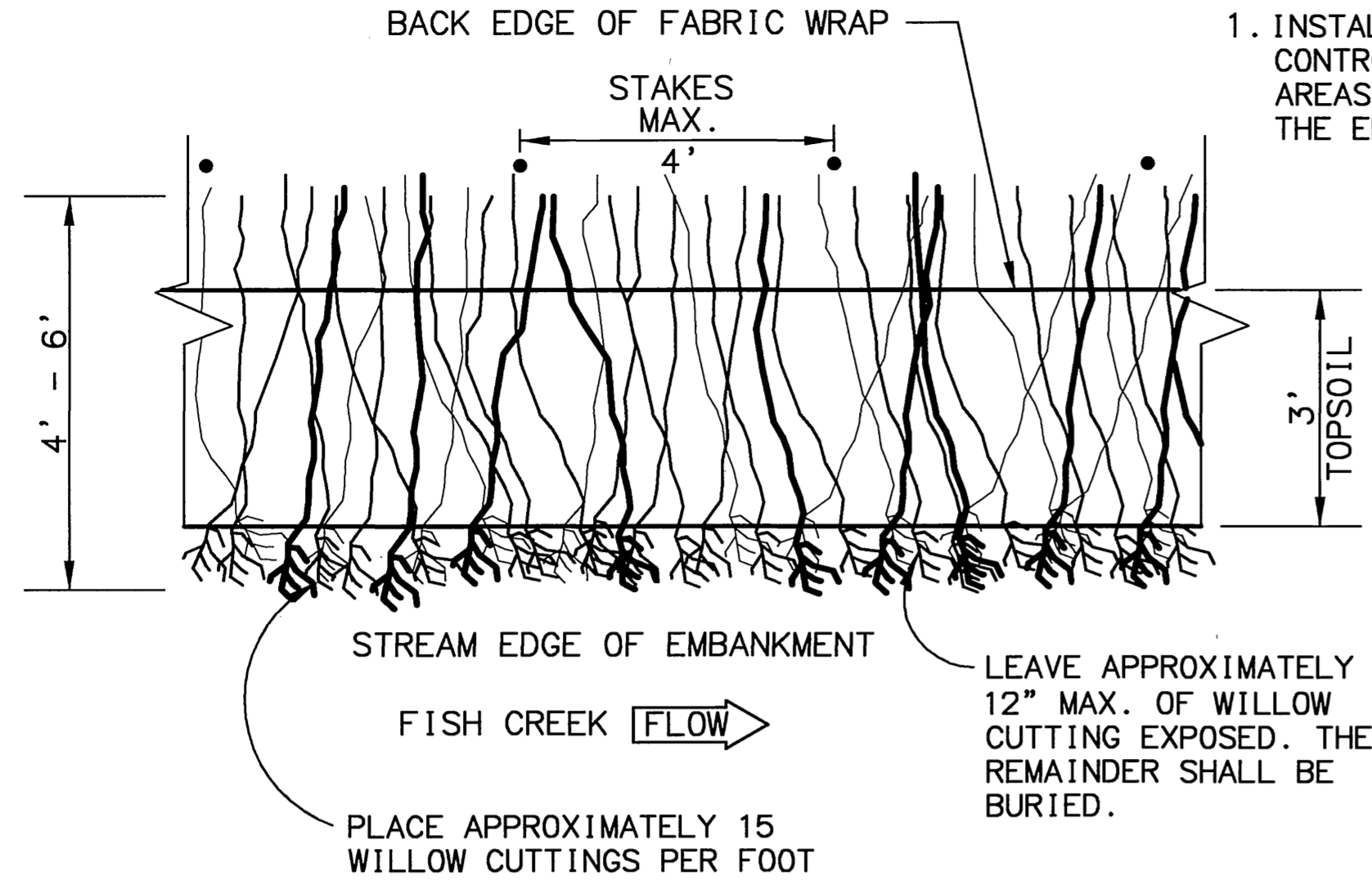
ROOTWAD DETAILS

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	CA-0525(11)/53922	2003	E15	E19
(1)	5/21/03	ADD GEOTEXTILE, SEPARATION					

ADDENDUM #1, ATTACHMENT #1

GENERAL NOTES:

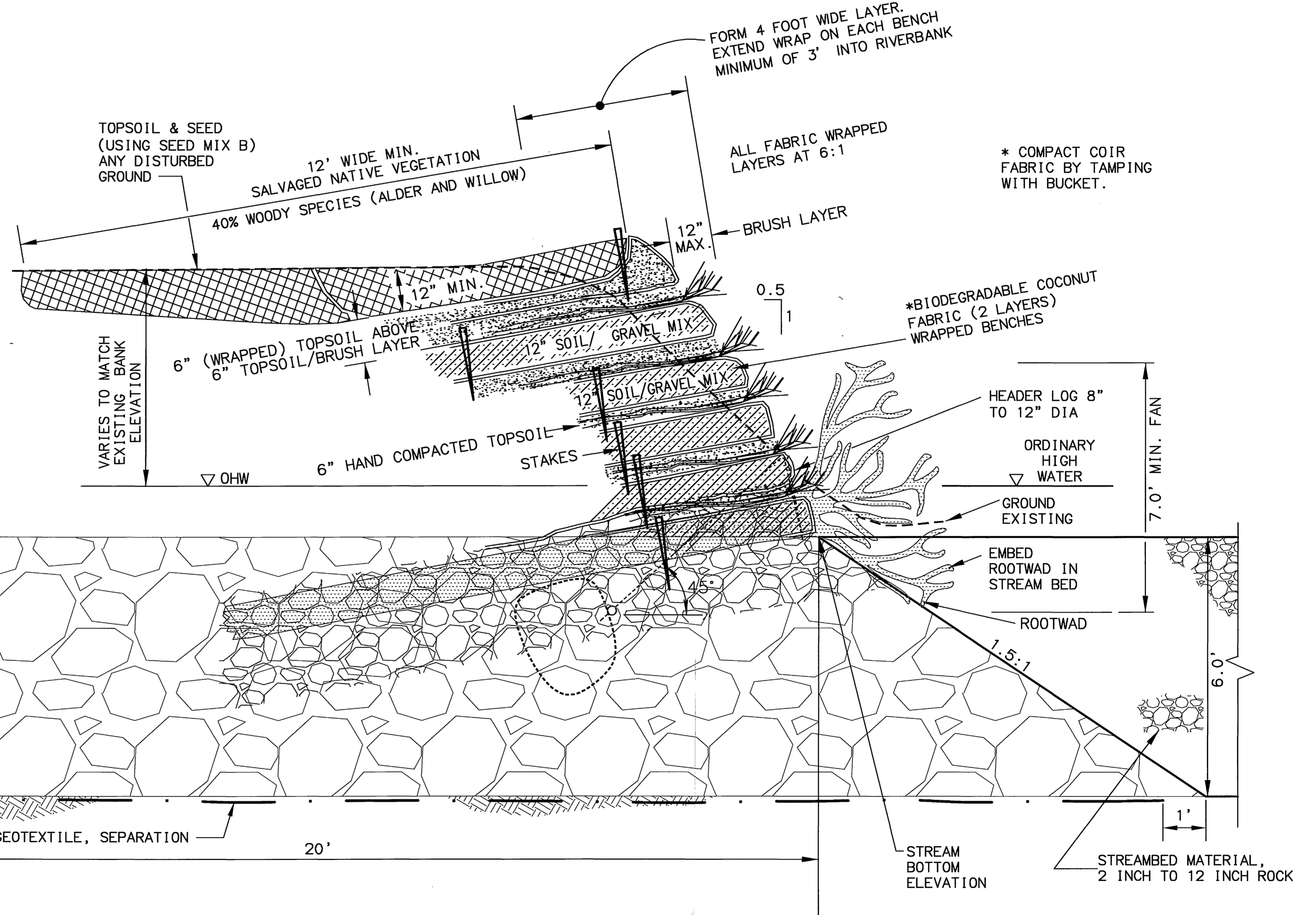
1. INSTALL PEDESTRIAN CONTROL FENCE ON AREAS SPECIFIED BY THE ENGINEER.



BRUSH LAYER PLAN VIEW
NOT TO SCALE

BRUSH LAYER NOTES:

1. FIRST LAYER OF CUTTINGS (NEAREST TO WATER) MUST BE 100 PERCENT FELTLEAF WILLOW. SUBSEQUENT LAYERS MUST BE FELTLEAF, PACIFIC, AND/OR SANDBAR WILLOWS.
2. DO NOT DAMAGE BUDS, STRIP BARK OR SPLIT THE CUTTINGS DURING THE INSTALLATION. DAMAGED CUTTINGS SHALL BE REPLACED IMMEDIATELY.
3. WATER SOIL AROUND CUTTINGS WHEN PLANTING TO REMOVE AIR POCKETS. TAMP SOIL AROUND CUTTING TO ASSURE COMPLETE CONTACT BETWEEN CUTTINGS AND TOPSOIL.



ROOTWAD TYPICAL SECTION B-B
NOT TO SCALE

THOMAS P. MOLL
CE 9494
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

**KNIK-GOOSE BAY ROAD
REHABILITATION AND PATHWAY**

ROOTWAD DETAILS

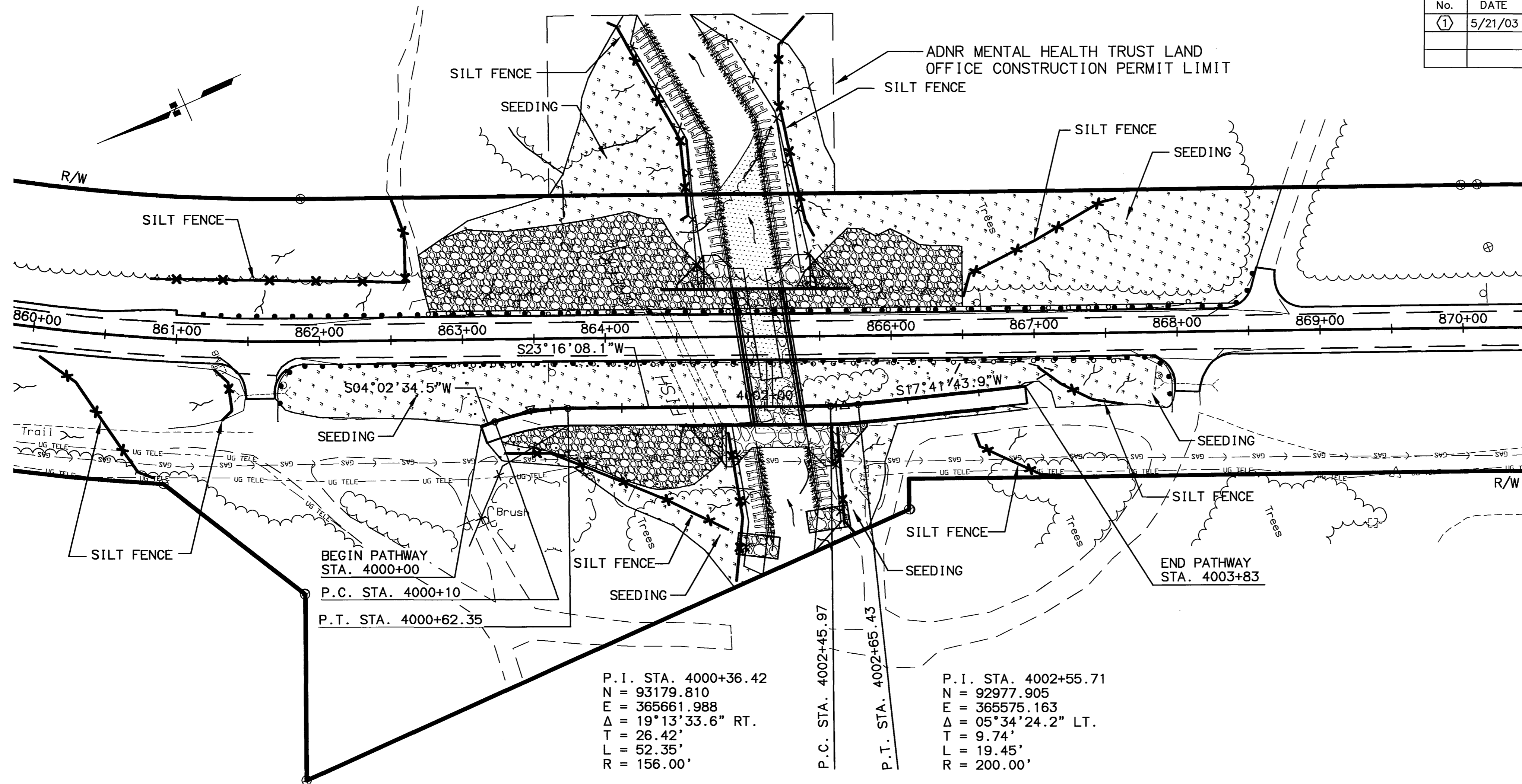
SPECIFICATIONS STANDARDS COMPUTER DESIGNATION AUTOCAD-PATIT/ANNESSA-53922R2/Rootwad/Def.dwg SCALE: 1" = 5' DATE: 05/21/2003 DESIGNED BY: PL/VS CHECKED BY: PL/VS DRAWN BY: PL/VS

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	CA-0525(11)/53922	2003	E16	E19
①	5/21/03	CHANGE WALL TYPE					

ADDENDUM #1, ATTACHMENT #1

NOTE:

USE SEED MIX B ON ROOTWAD LOCATION. SEED MIX A WILL BE USED EVERYWHERE ELSE IN THE FISH CREEK AREA.

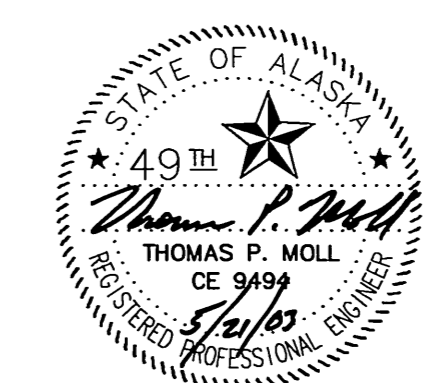
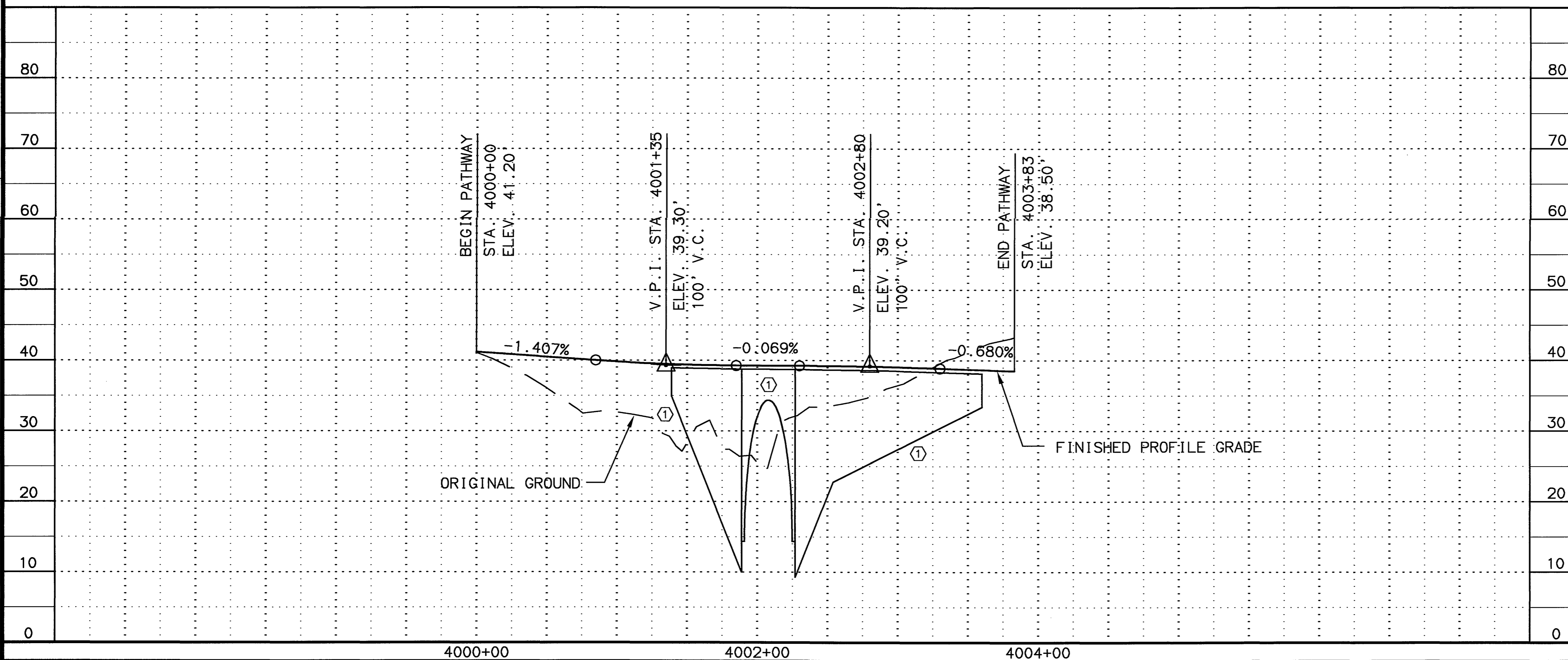


P.I. STA. 4000+36.42
 N = 93179.810
 E = 365661.988
 Δ = 19°13'33.6" RT.
 T = 26.42'
 L = 52.35'
 R = 156.00'

P.C. STA. 4002+45.97
 P.T. STA. 4002+65.43

P.I. STA. 4002+55.71
 N = 92977.905
 E = 365575.163
 Δ = 05°34'24.2" LT.
 T = 9.74'
 L = 19.45'
 R = 200.00'

SPECIFICATIONS
 SCALE 1"=40'
 COMPUTER DESIGNATION
 XREFS: BASE_KGB.DWG, PROF_KGB.DWG, MAP_SIDE.DWG
 AUTOCAD-PATHWAY/ANASSA-53922R/PANOP_KGB.DWG
 PL/VS
 VIEW: F0001
 DESIGNED BY
 CHECKED BY
 DRAFTED BY
 05/20/2003

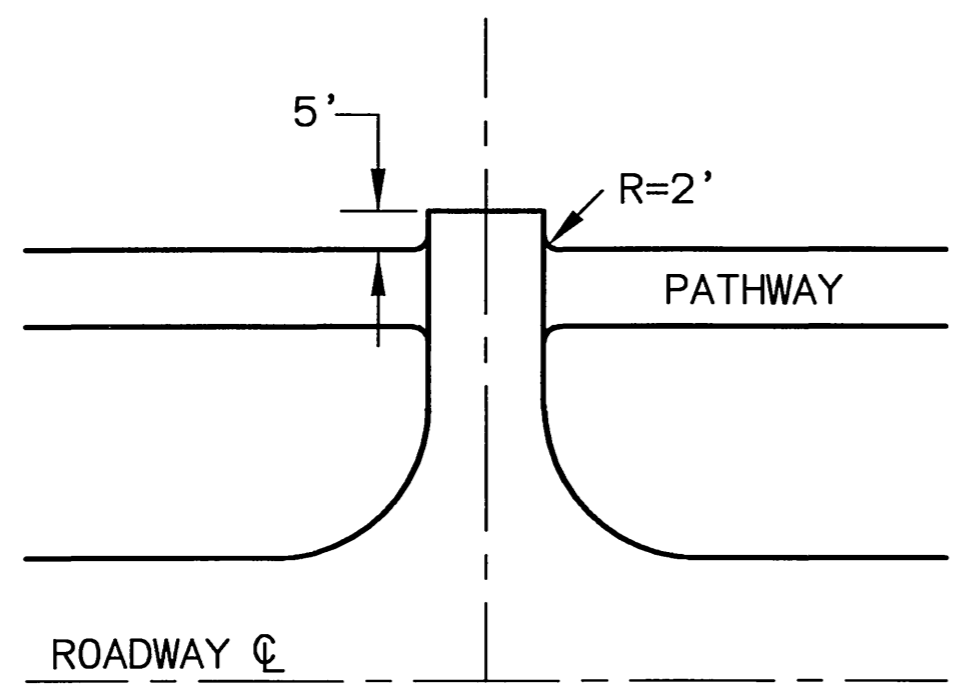


STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND
 PUBLIC FACILITIES

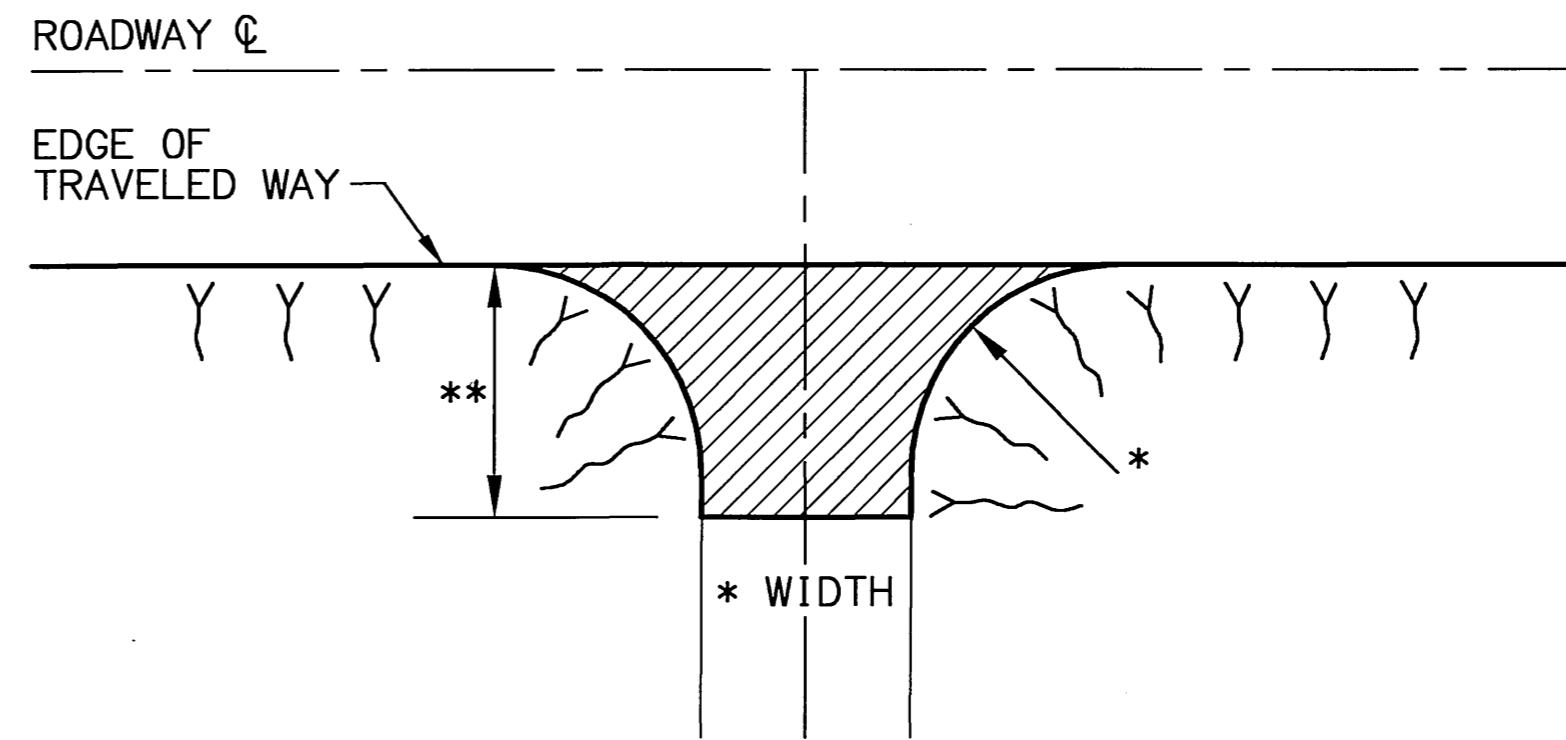
**KNIK-GOOSE BAY ROAD
 REHABILITATION AND PATHWAY**

**FISH CREEK PATHWAY
 PLAN AND PROFILE**

REVISIONS		STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	CA-0525(11)/53922	2003	E17 E19

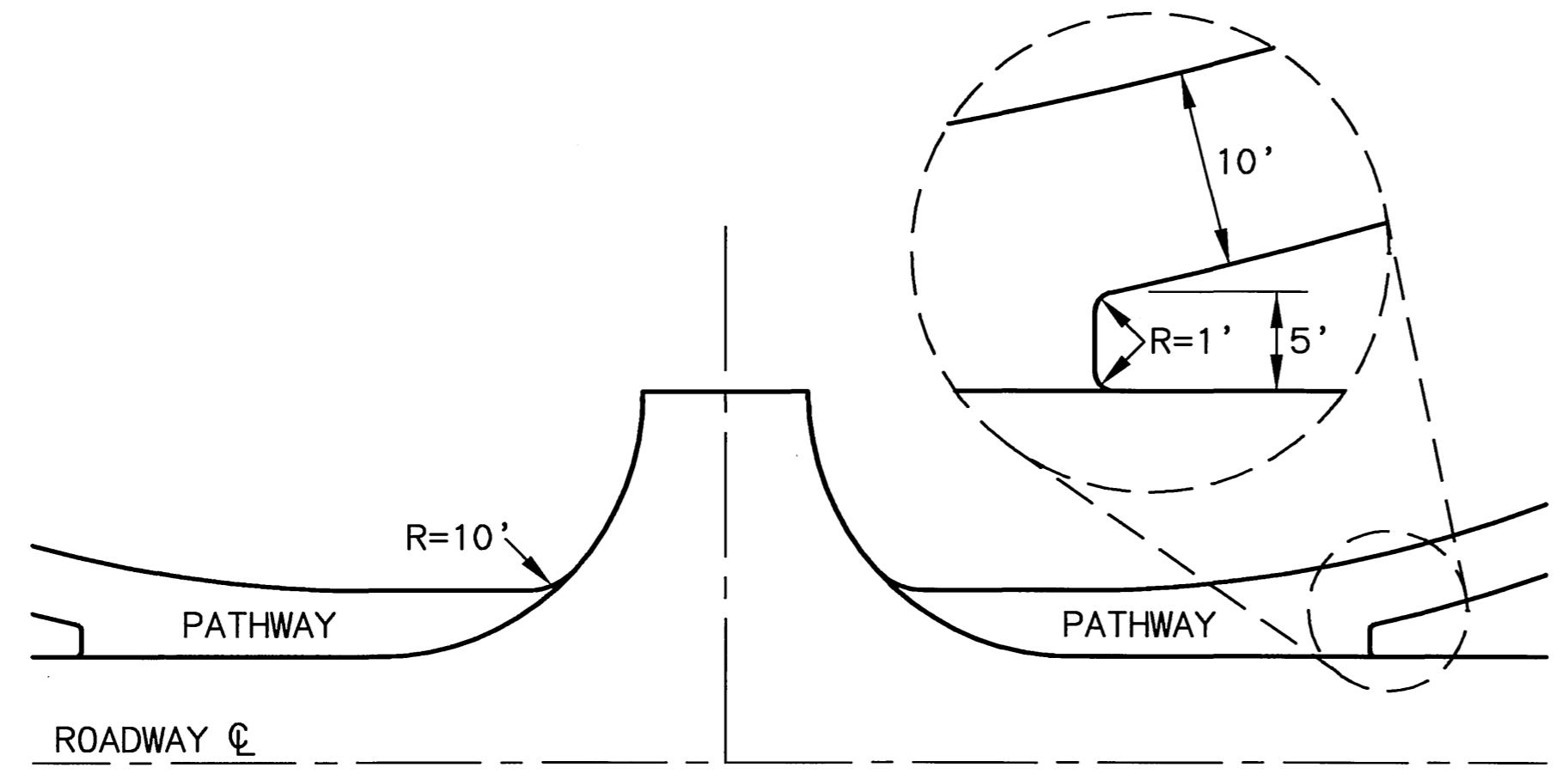


PATHWAY RESIDENTIAL APPROACH

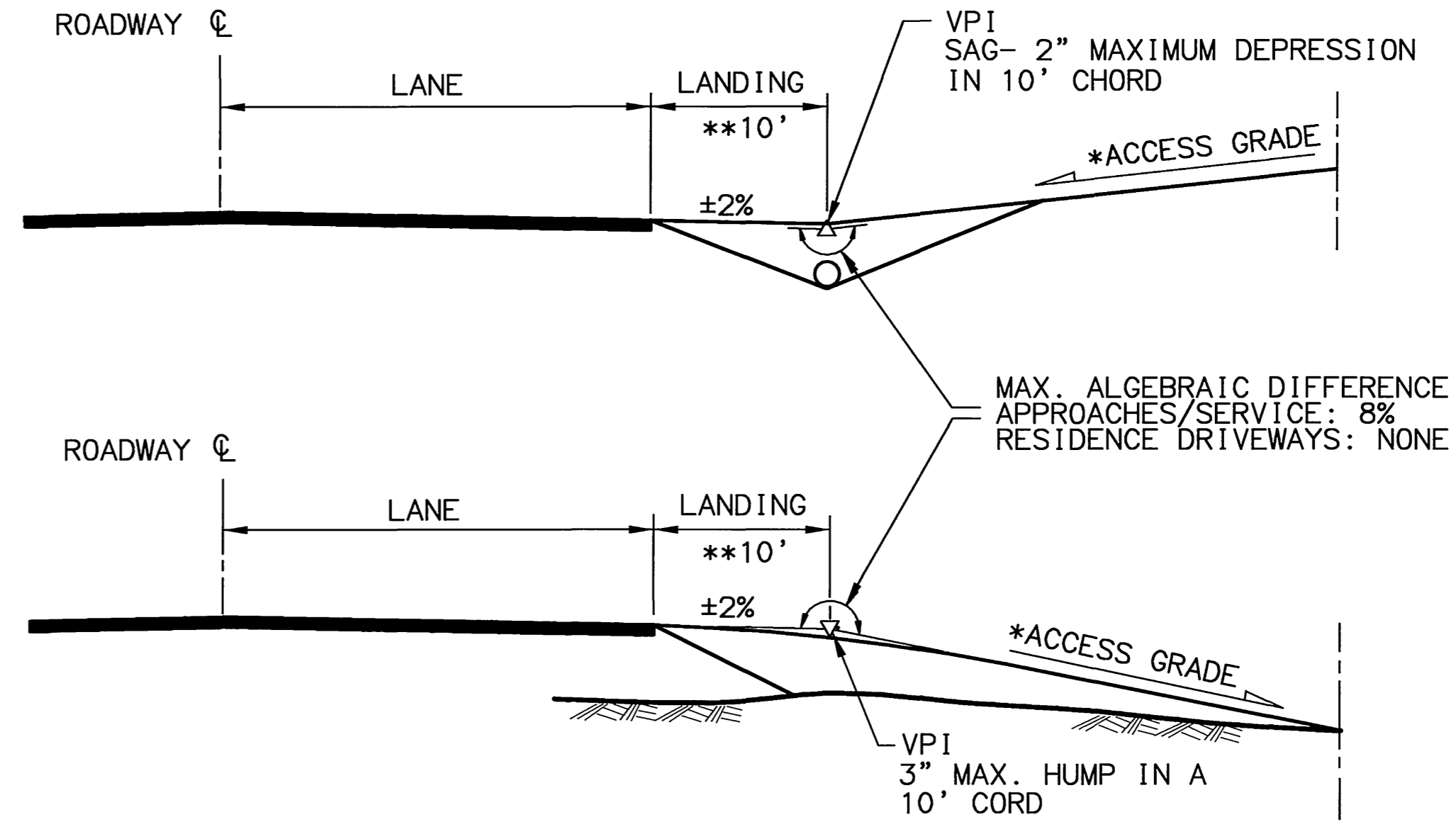


APPROACH PLAN VIEW

* MATCH WIDTH AND RADIUS AS SHOWN IN SUMMARY TABLE.
 ** EXTEND NEW PAVEMENT TO RADIUS OF RETURN OR AS DIRECTED BY THE ENGINEER.

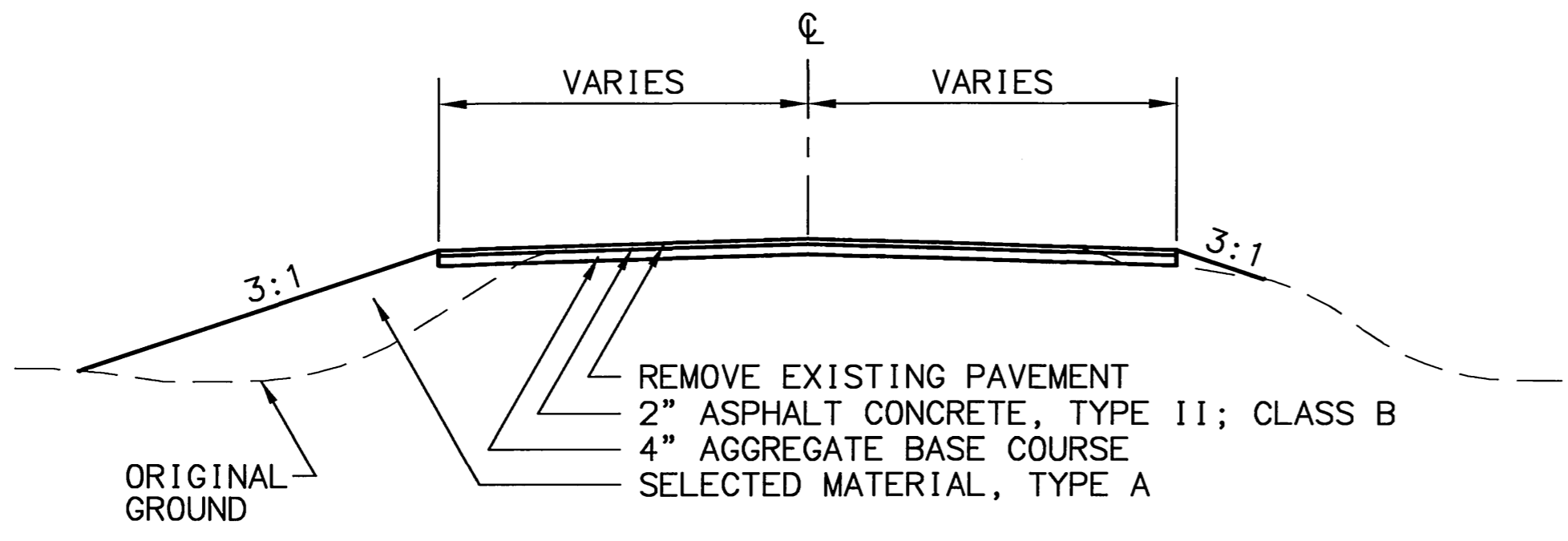


PATHWAY COMMERCIAL APPROACH

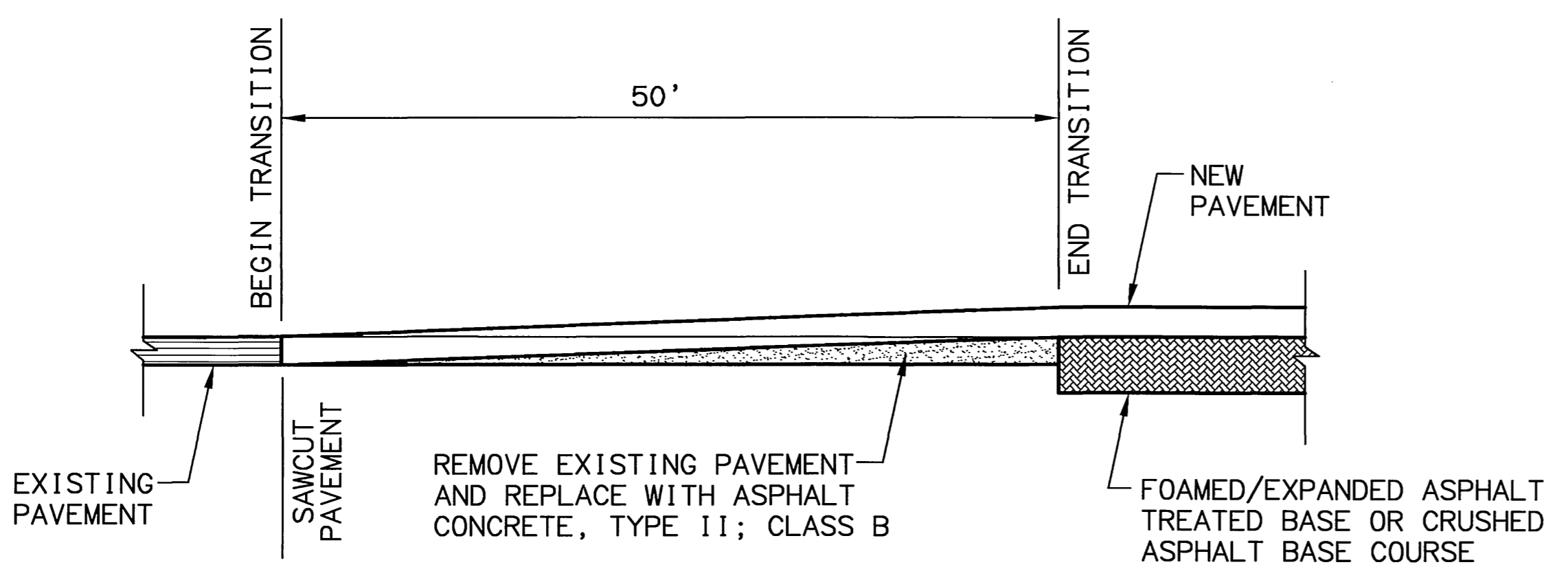


APPROACH PROFILES

* ACCESS GRADE MAXIMUM 15%.
 ** 30' FOR COMMERCIAL APPROACHES WHERE APPLICABLE.

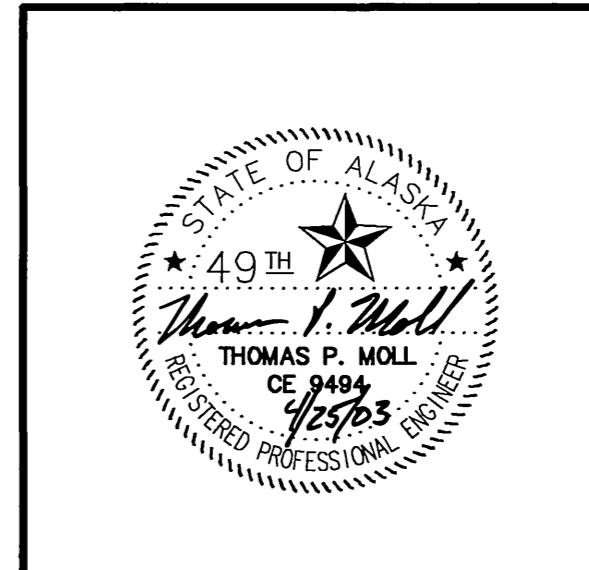


APPROACH TYPICAL



PAVEMENT TRANSITION

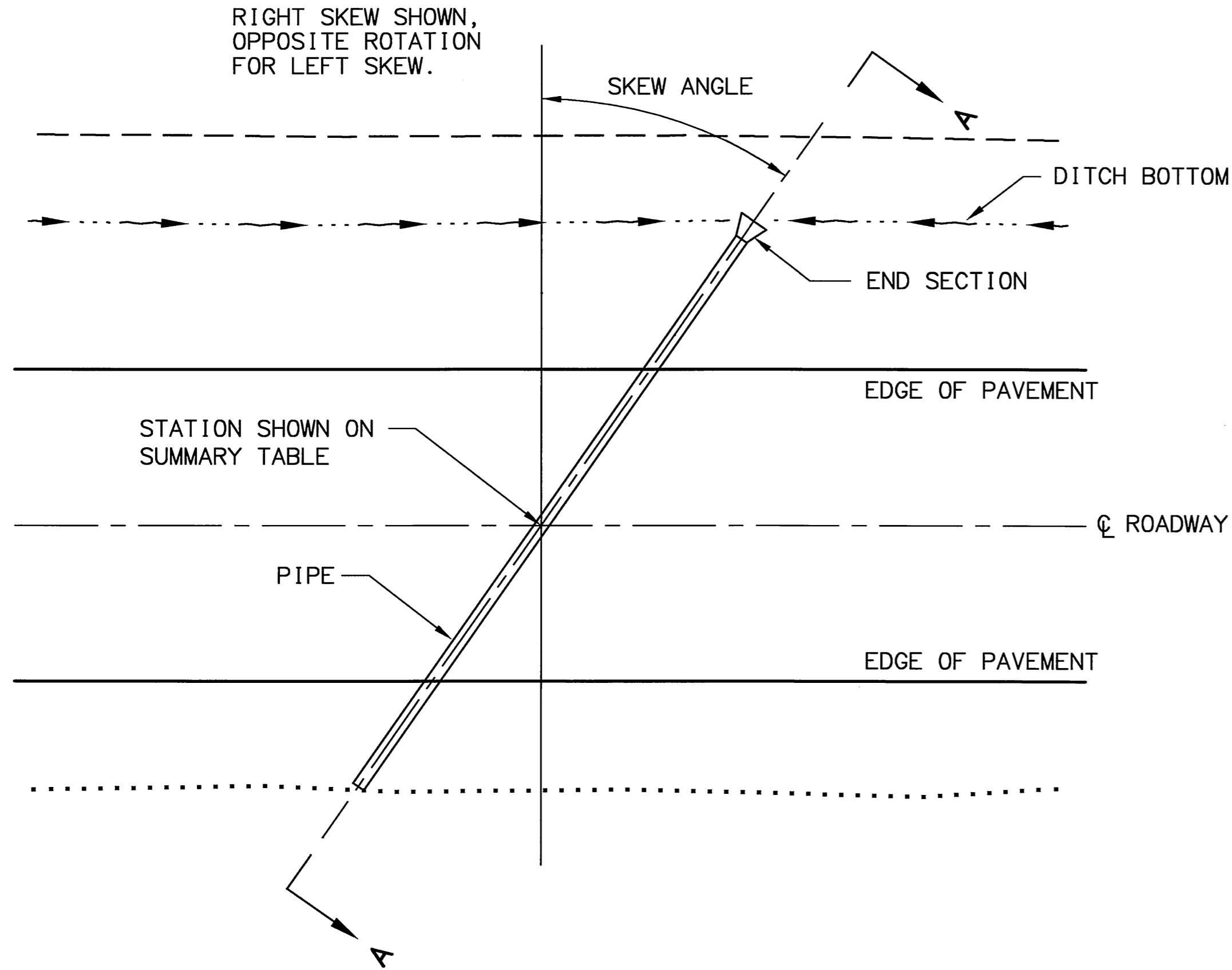
SPECIFICATIONS: SCALE: 1"=1' COMPUTER DESIGNATION: AUTOCAD=PARTII/VANESSA-53922R3/DETAILS.KGB.DWG
 DESIGNED BY: CHECKED BY: DRAWN BY: PL/VJS
 DATE: 04/16/2003
 VIEW: 1



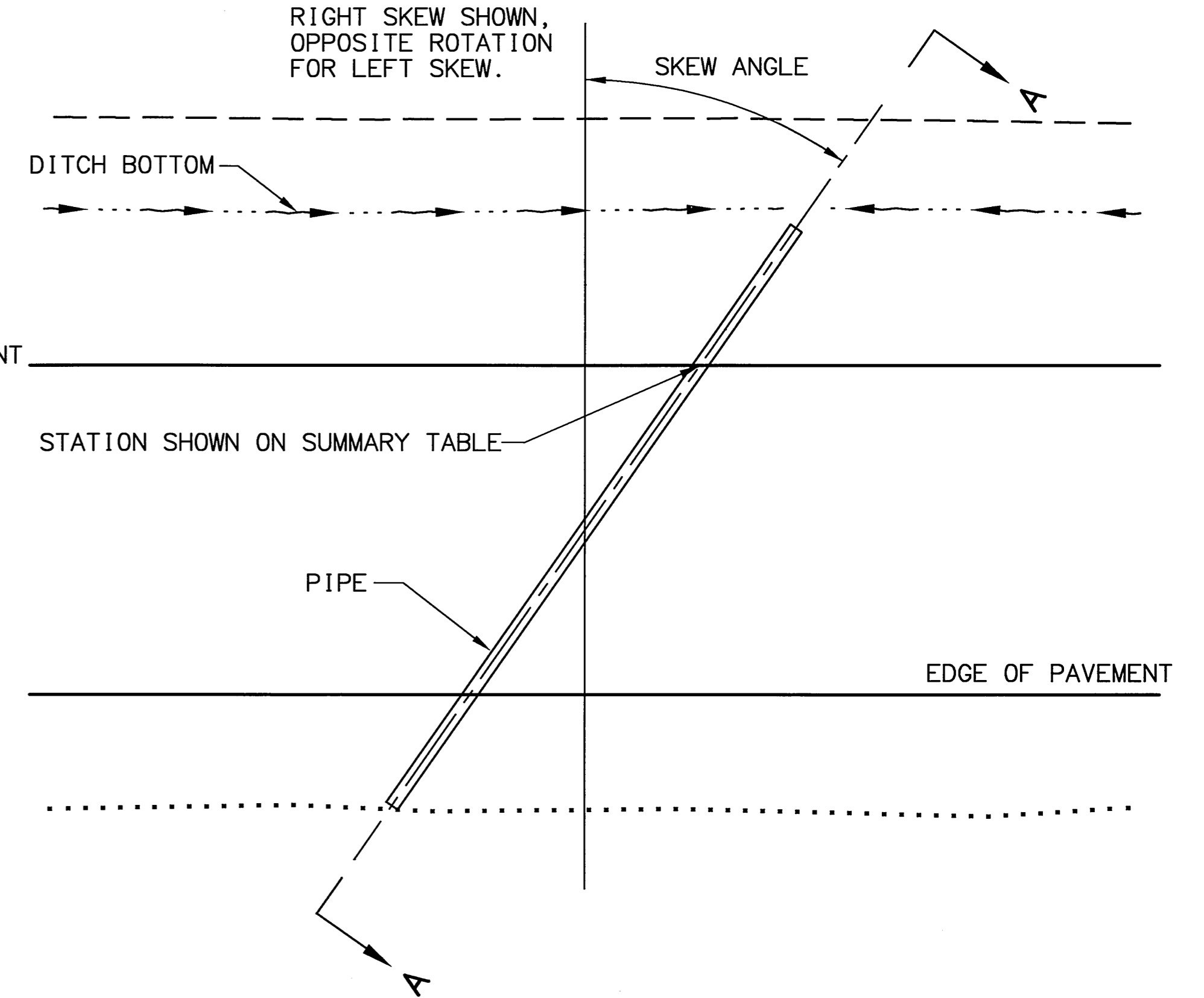
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND
 PUBLIC FACILITIES
**KNIK-GOOSE BAY ROAD
 REHABILITATION AND PATHWAY**

APPROACH DETAILS

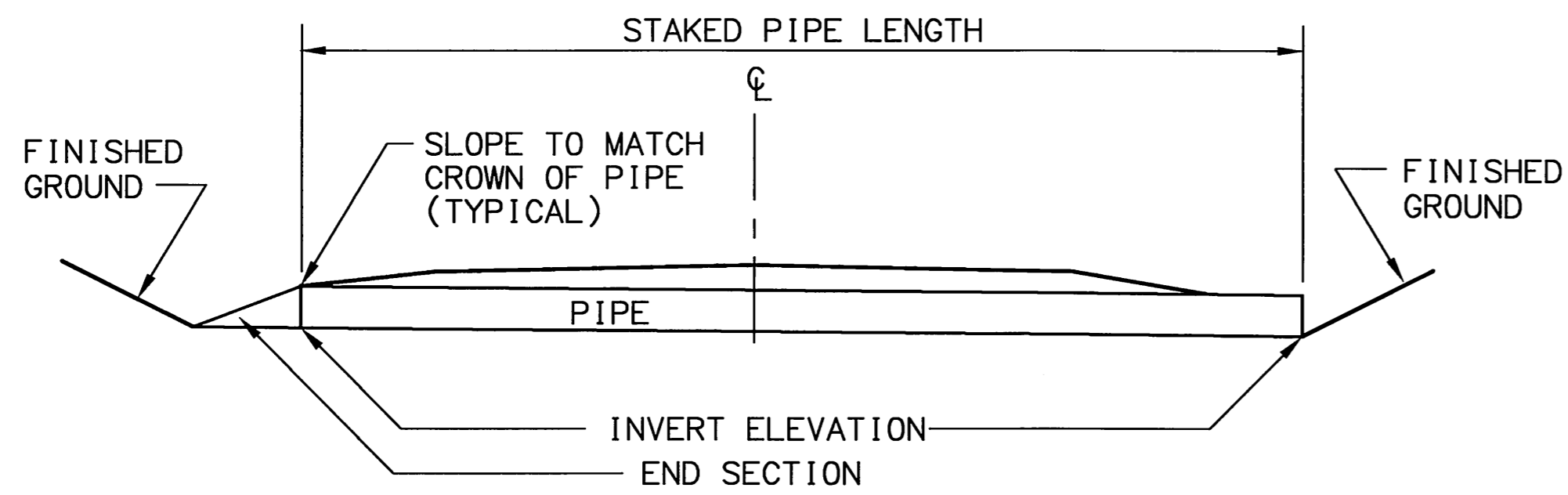
REVISIONS		STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	CA-0525(11)/53922	2003	E18 E19



PLAN VIEW - ROADWAY

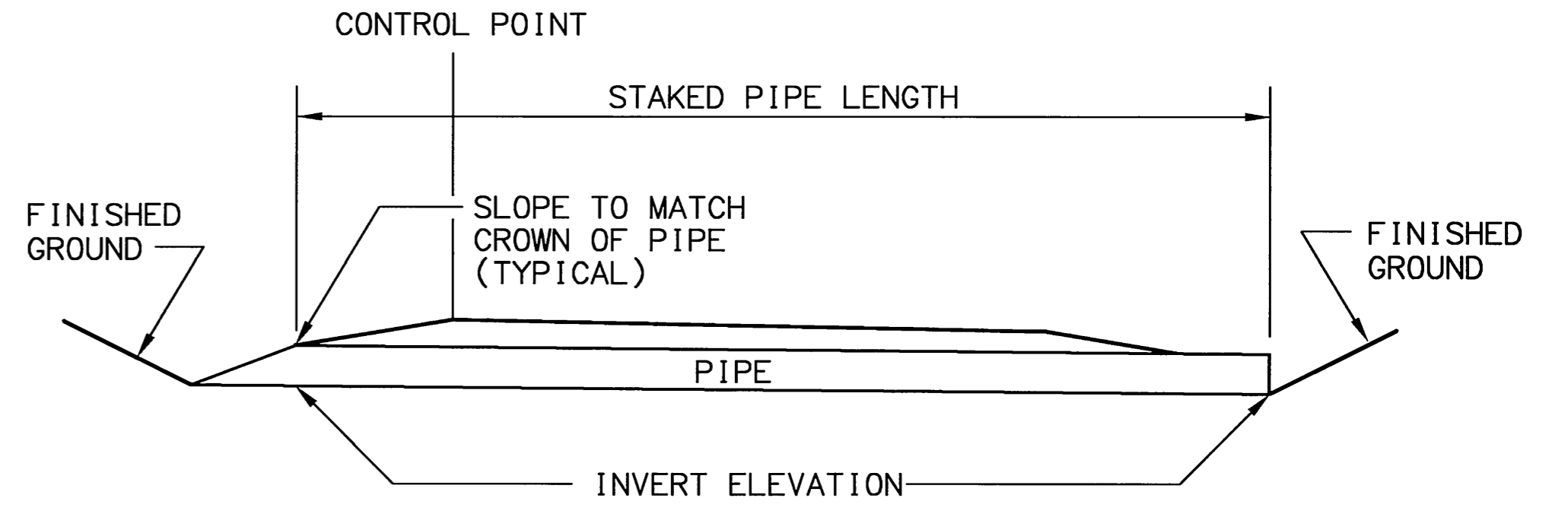


PLAN VIEW - PATHWAY



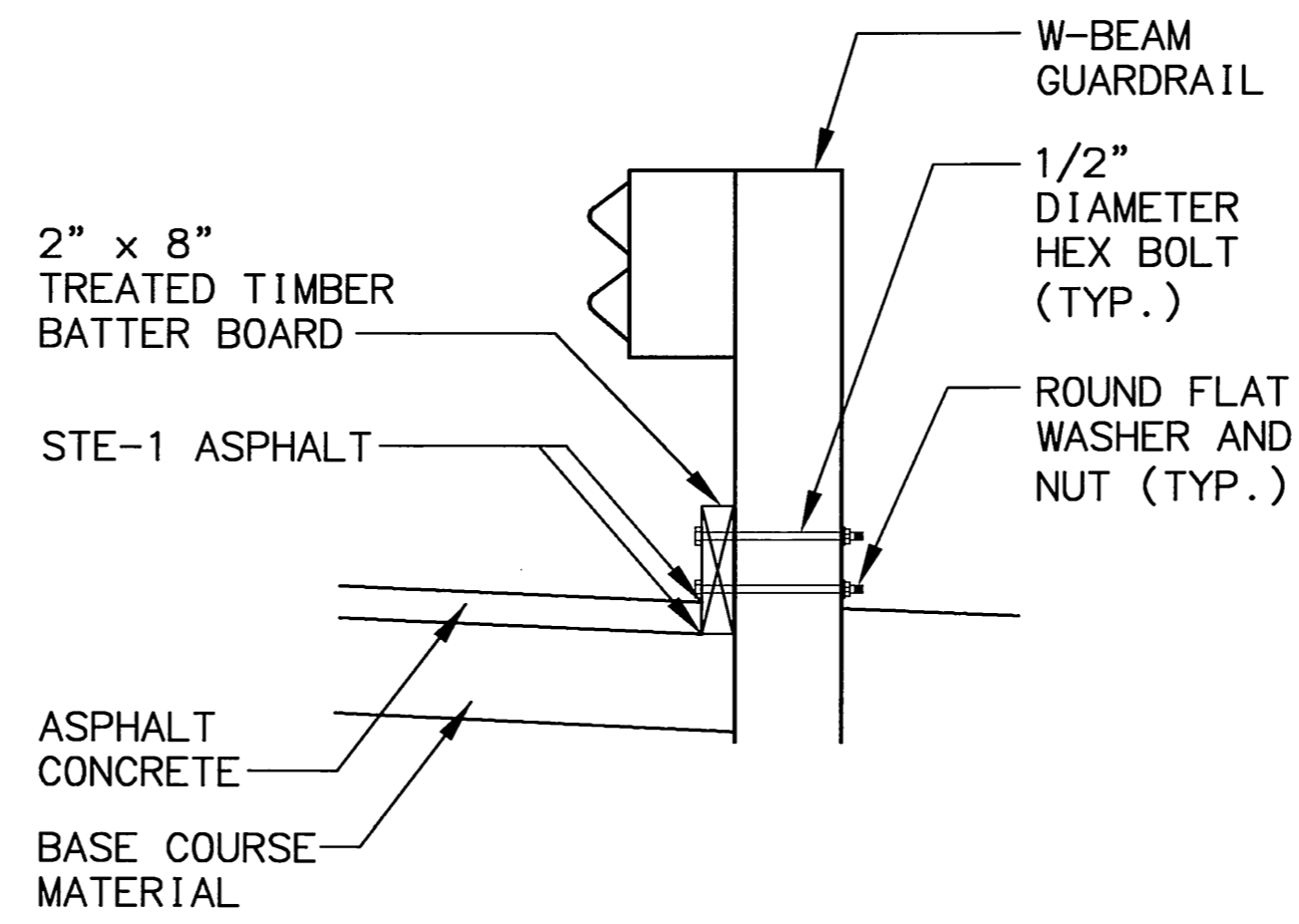
SECTION A-A

PIPE INSTALLATION DETAIL - ROADWAY



SECTION A-A

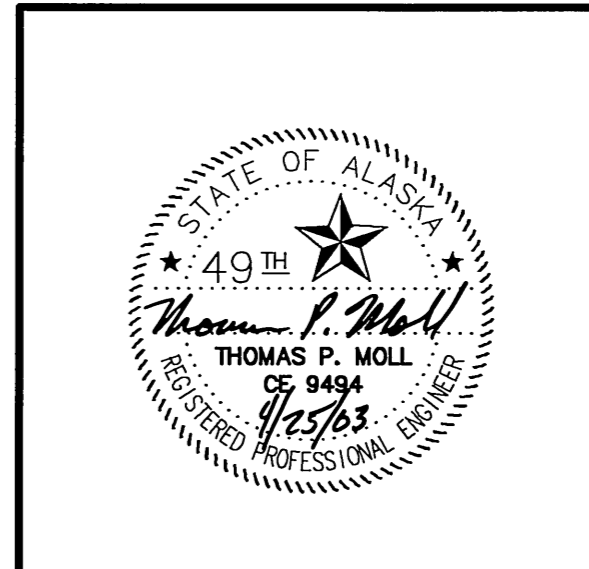
PIPE INSTALLATION DETAIL - PATHWAY



TREATED TIMBER BATTER BOARD DETAIL

INSTALL BATTER BOARD AFTER PLACING BASE COURSE MATERIAL. SEAL CRACK BETWEEN BATTER BOARD AND DRIVING SURFACE WITH STE-1 ASPHALT.

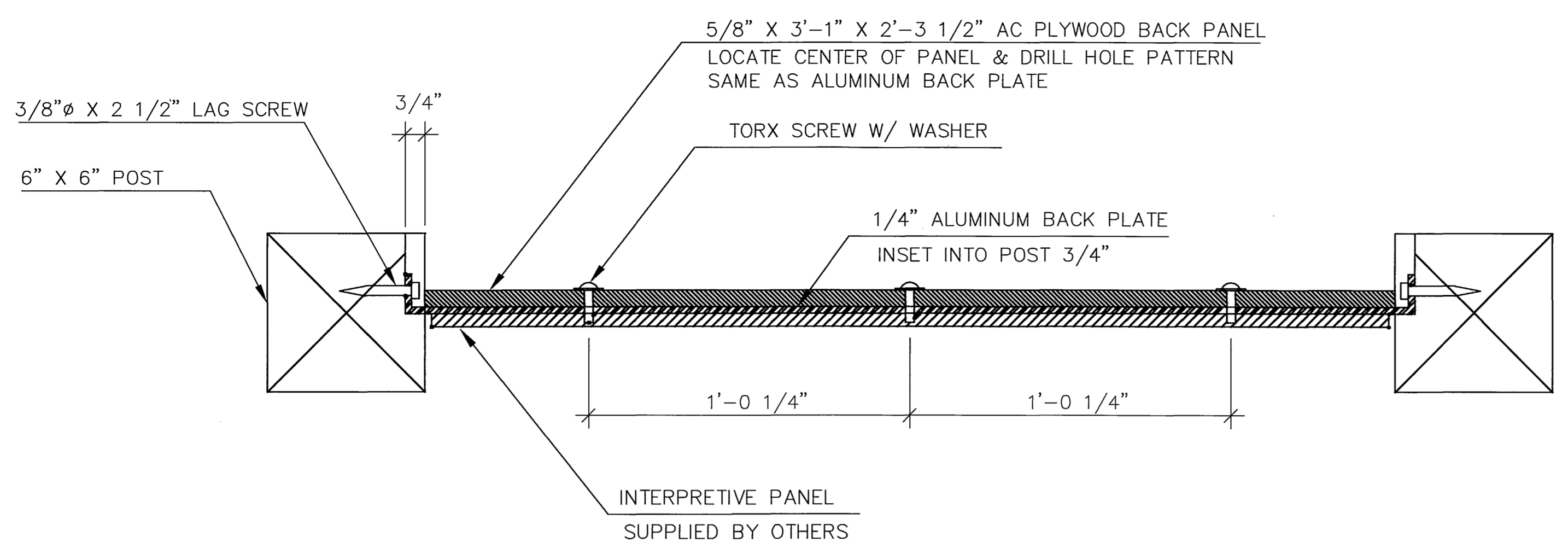
SPECIFICATIONS: SCALE: 1"=1' COMPUTER DESIGNATION: AUTOCAD-PATHWAY/INNESSA-53922R3/DETAILS-UGB.DWG
 DESIGNED BY: CHECKED BY: DRAFTED BY: PLY/S
 VIEW # 2



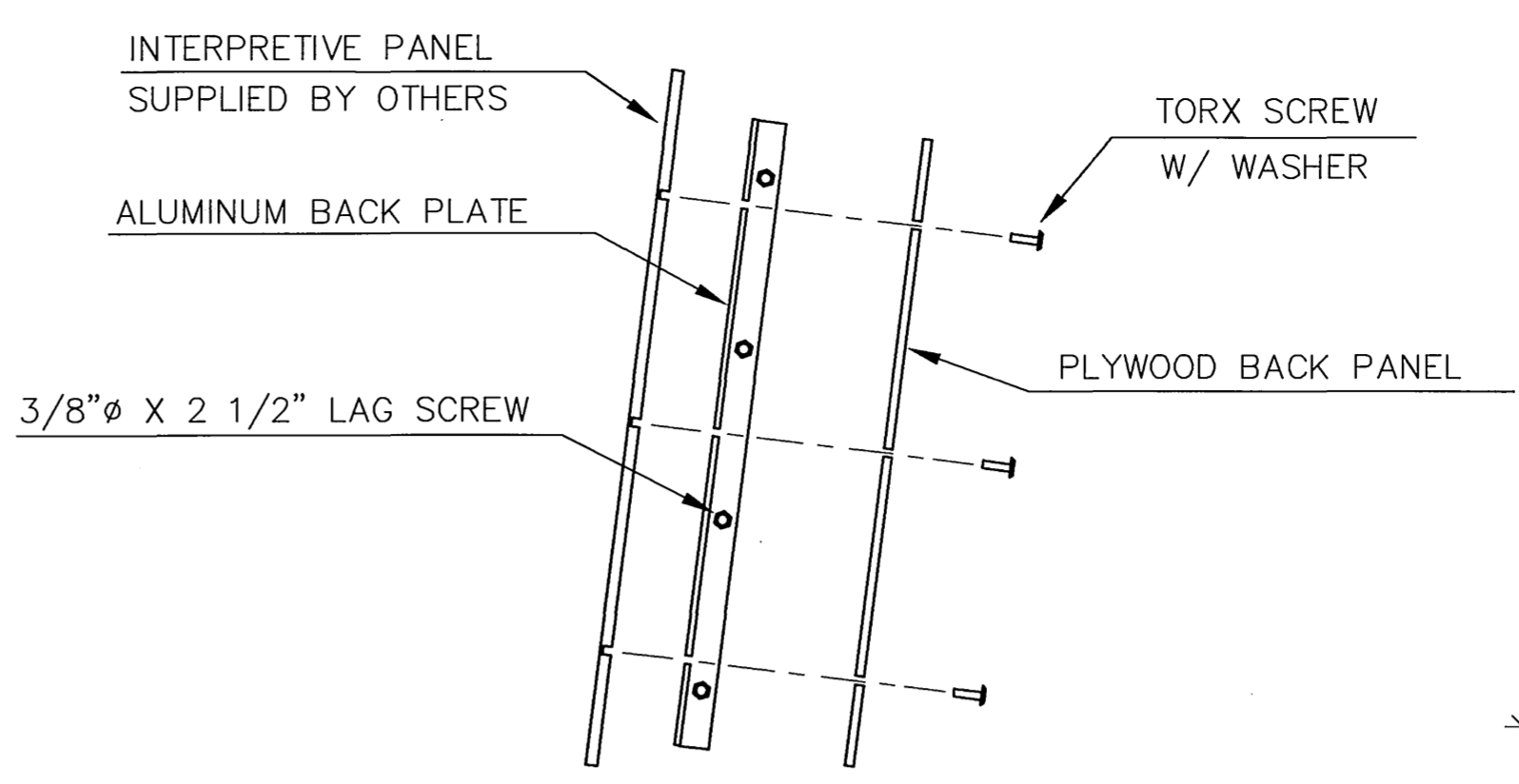
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND
 PUBLIC FACILITIES
**KNIK-GOOSE BAY ROAD
 REHABILITATION AND PATHWAY**
 DRAINAGE DETAILS

REVISIONS		STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION				
			ALASKA CA-0525(11)/53922	2003	E19	E19

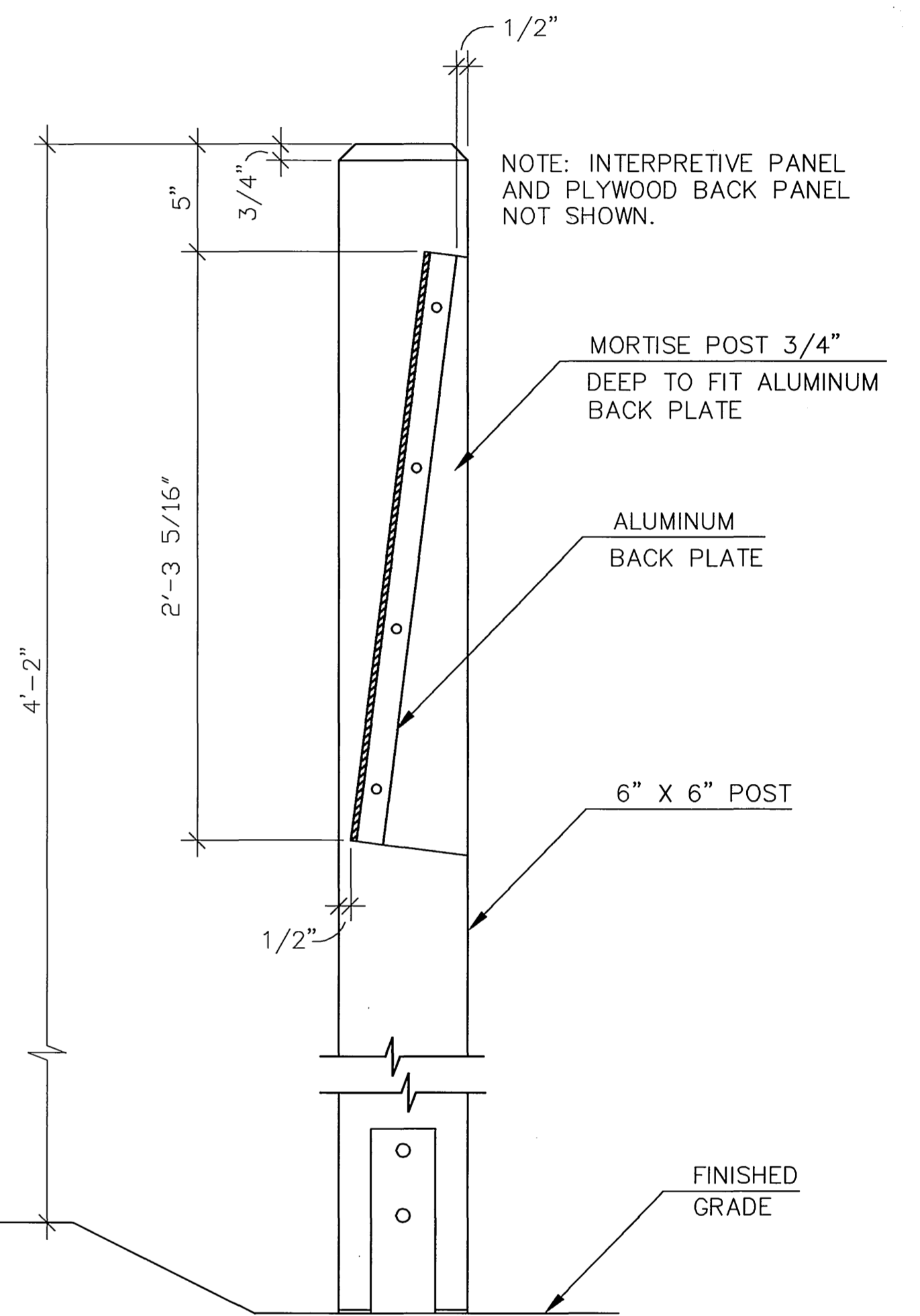
- NOTES:
- INTERPRETIVE PANEL SUPPLIED BY OTHERS MEASURES 1/2" X 3'-0 1/2" X 2'-6 1/2".
 - 1/4"-20 X 1 1/4" BUTTON HEAD "PIN-IN-HEAD" TORX TAMPER RESISTANT STAINLESS STEEL SCREWS WITH FINISHING WASHERS SHALL BE USED TO ATTACH THE INTERPRETIVE PANEL & THE PLYWOOD BACK PANEL TO THE ALUMINUM BACK PLATE.



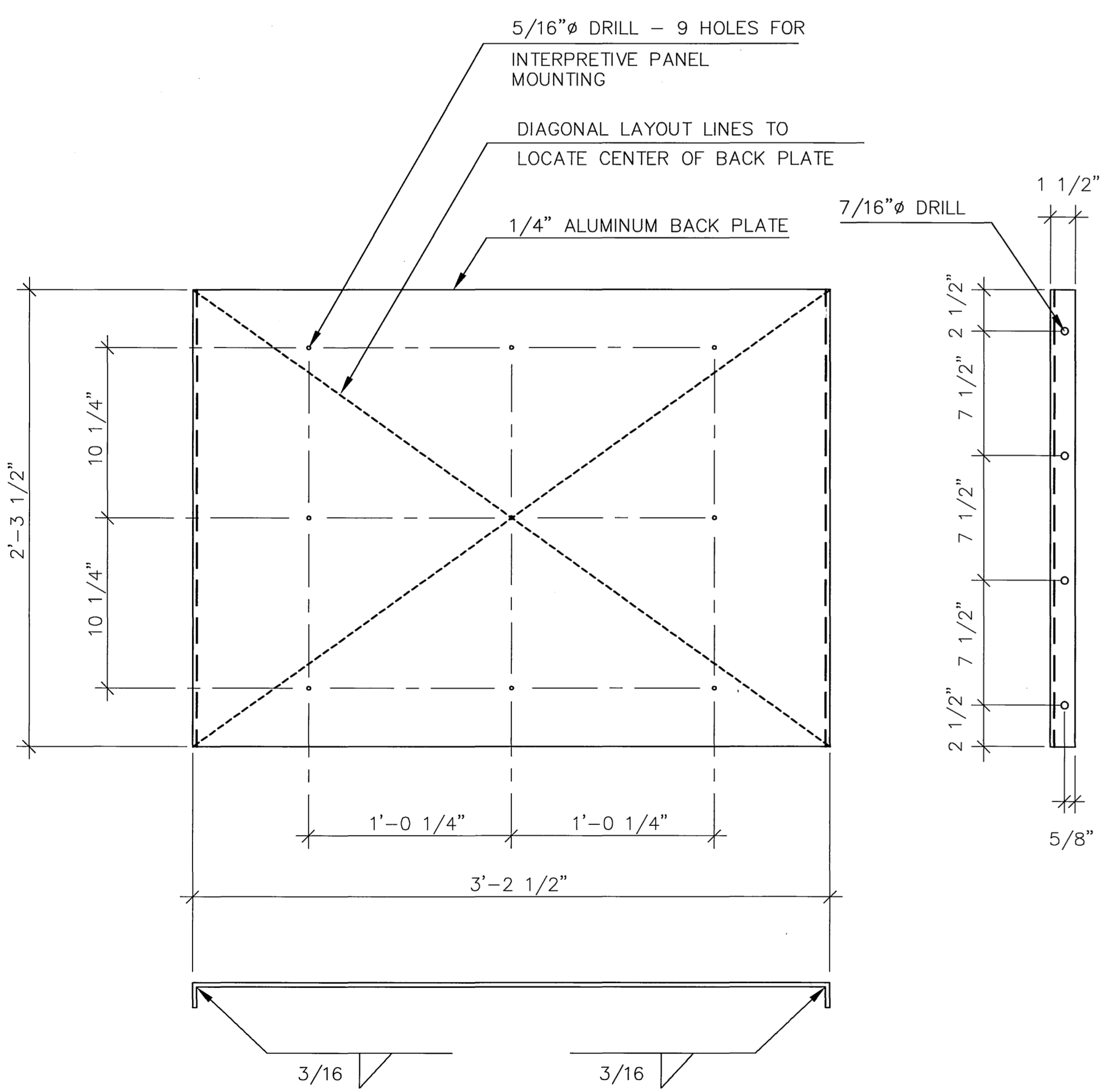
1 SECTION



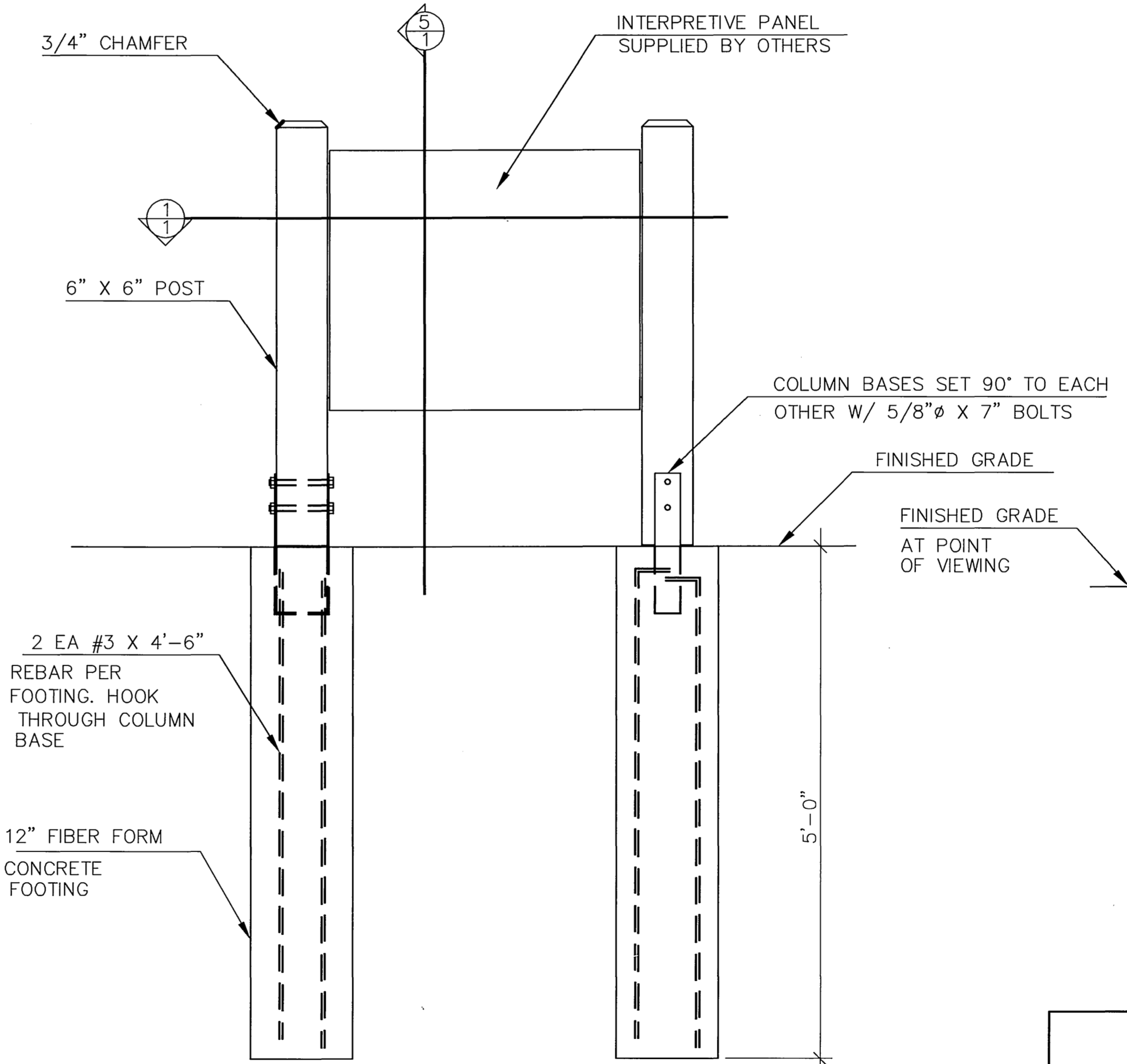
2 EXPLODED VIEW INTERPRETIVE PANEL ASSEMBLY



5 SECTION

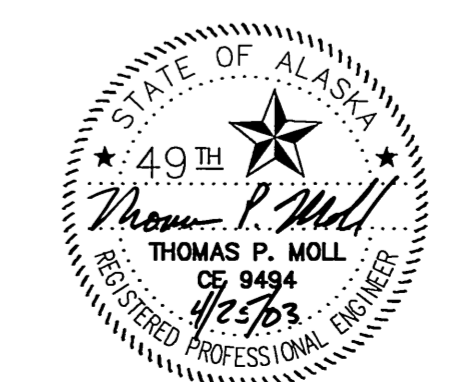


3 ALUMINUM BACK PLATE



4 FRONT ELEVATION

NO.	REVISION	DATE	APPROVED
4	REPLACED STAMP	3/02	DH
3	REDESIGNED AND REDRAWN	4/99	PN
2	REMOVED DIMENSION	3/99	BSD
1	CHANGED DRAWING NUMBER	12/97	BSD



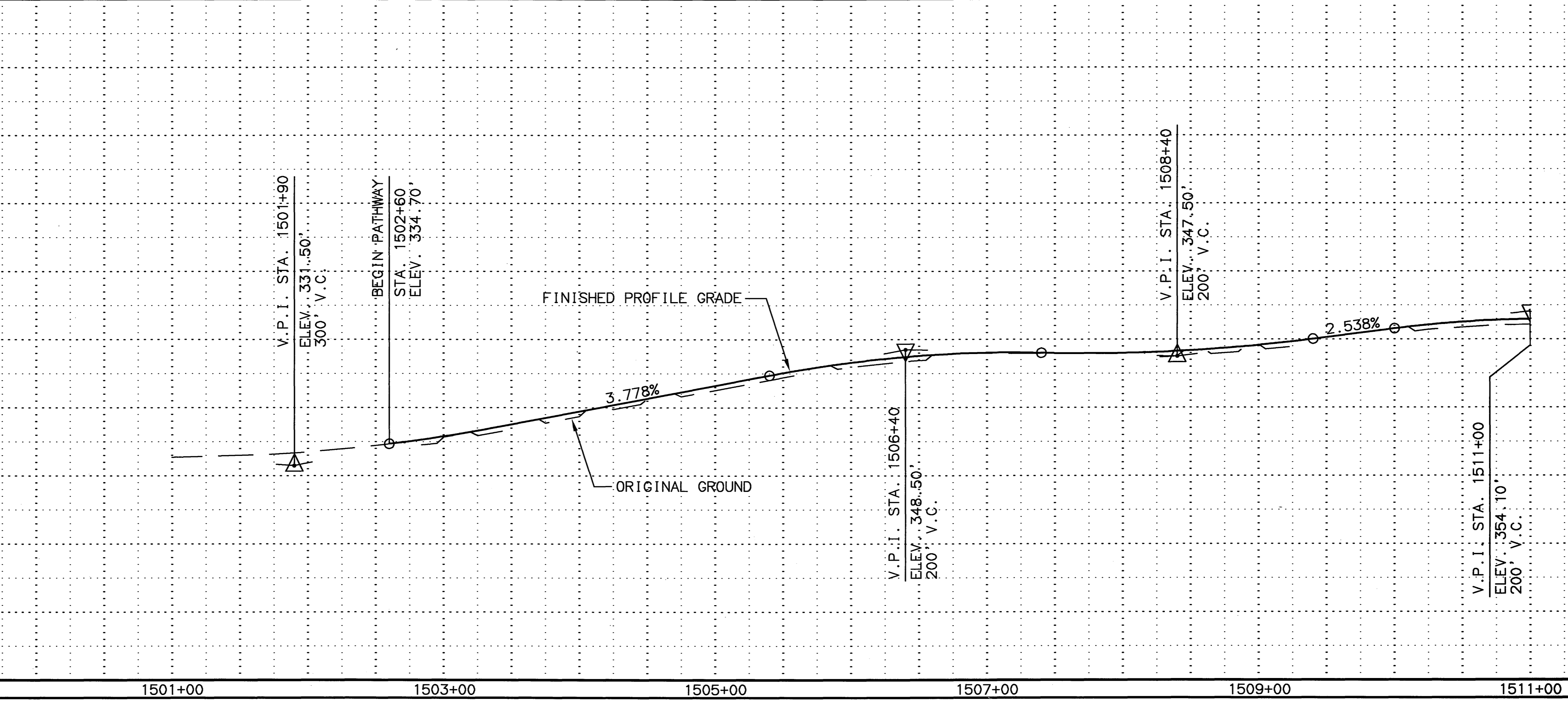
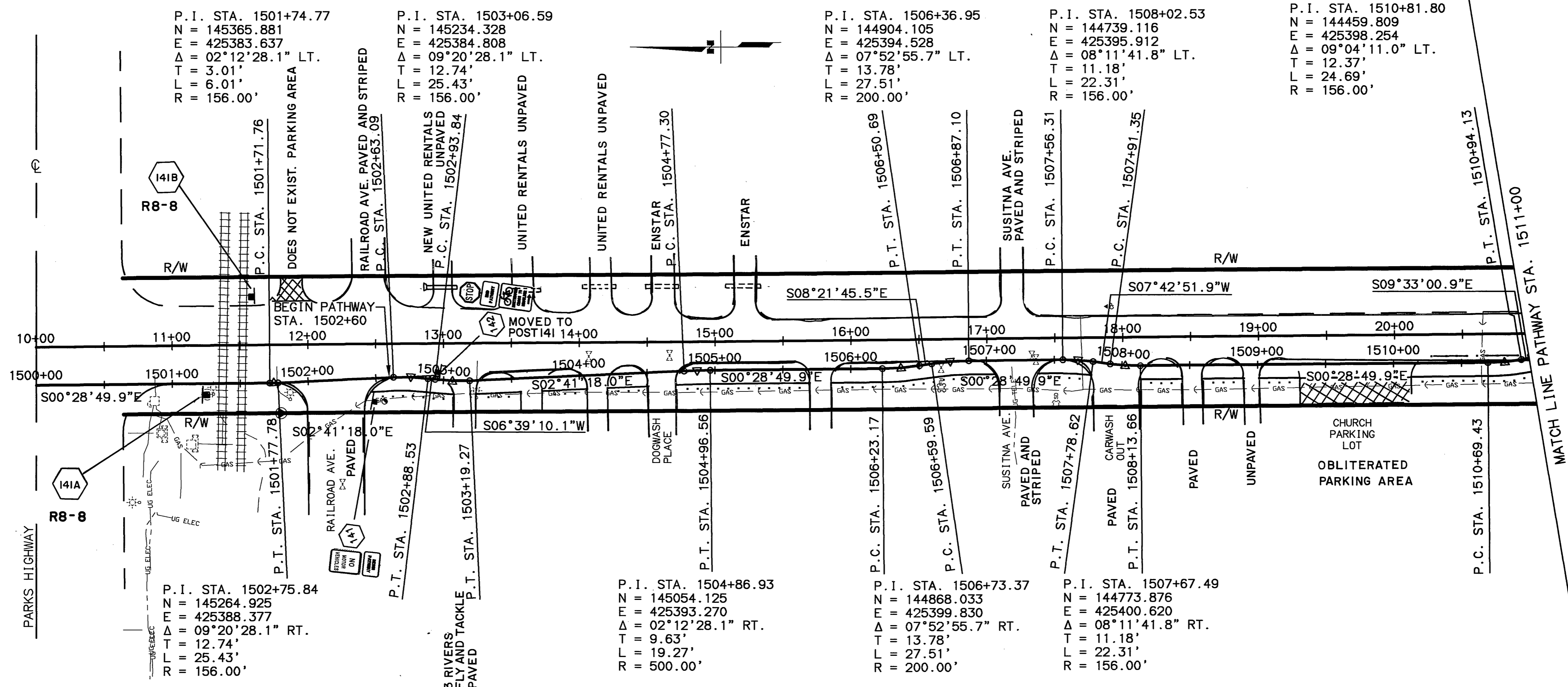
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

**KNIK-GOOSE BAY ROAD
REHABILITATION AND PATHWAY**

INTERPRETIVE SIGN, TYPE C

SPECIFICATIONS: STANDARDS: COMPUTER DESIGNATION: AUTOCAD-PATH/VANESSA-ES922R2AS11C.DWG SCALE: 1"= 5'- 0" LAYOUT: 1"= 5'- 0" DATE: 04/16/2003
 DESIGNED BY: VIEW: 1
 CHECKED BY: LAYOUT: 1
 DRAWN BY: PLAYS

DESIGNED BY: []
 CHECKED BY: []
 DRAWN BY: []
 DATE: 07/31/2003
 SCALE: 1"=50'
 COMPUTER DESIGNATION: VIEW: F1
 XREFS: BASE: KGB.DWG, PROJ: KGB.DWG, MAP: SIDE.DWG
 AUTOCAD-PATH: ADDRESS: S:\2003\KGB.DWG



P.I. STA. 1501+74.77
 N = 145365.881
 E = 425383.637
 Δ = 02°12'28.1" LT.
 T = 3.01'
 L = 6.01'
 R = 156.00'

P.I. STA. 1503+06.59
 N = 145234.328
 E = 425384.808
 Δ = 09°20'28.1" LT.
 T = 12.74'
 L = 25.43'
 R = 156.00'

P.I. STA. 1506+36.95
 N = 144904.105
 E = 425394.528
 Δ = 07°52'55.7" LT.
 T = 13.78'
 L = 27.51'
 R = 200.00'

P.I. STA. 1508+02.53
 N = 144739.116
 E = 425395.912
 Δ = 08°11'41.8" LT.
 T = 11.18'
 L = 22.31'
 R = 156.00'

P.I. STA. 1510+81.80
 N = 144459.809
 E = 425398.254
 Δ = 09°04'11.0" LT.
 T = 12.37'
 L = 24.69'
 R = 156.00'

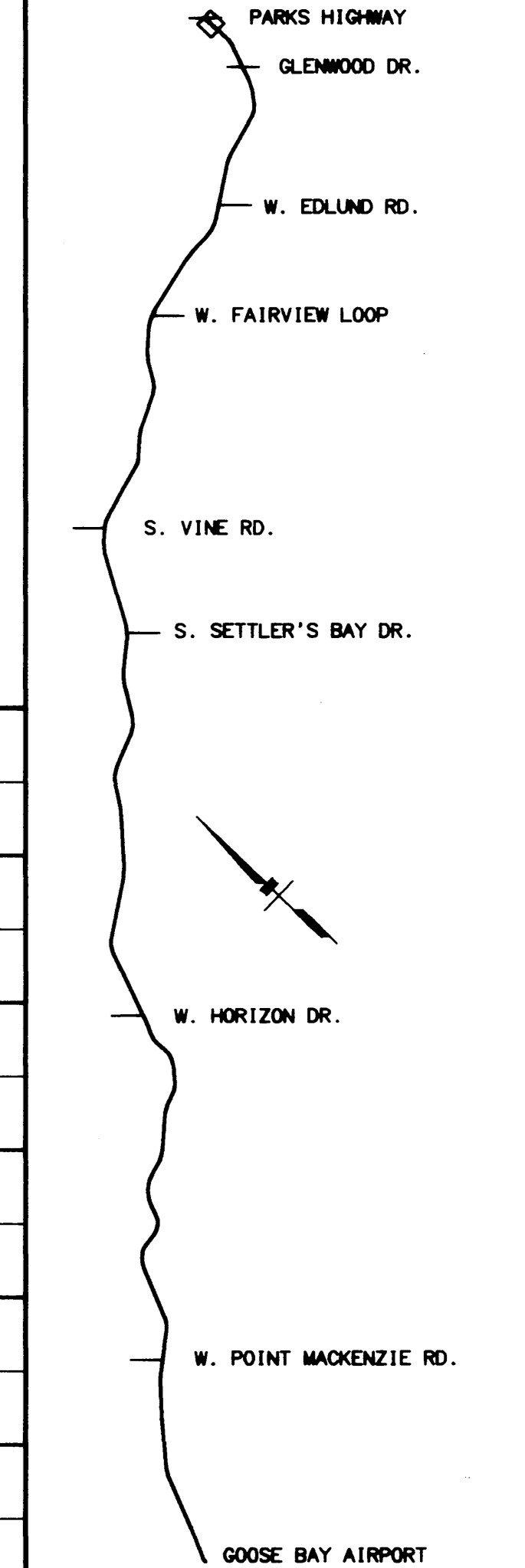
P.I. STA. 1502+75.84
 N = 145264.925
 E = 425388.377
 Δ = 09°20'28.1" RT.
 T = 12.74'
 L = 25.43'
 R = 156.00'

P.I. STA. 1504+86.93
 N = 145054.125
 E = 425393.270
 Δ = 02°12'28.1" RT.
 T = 9.63'
 L = 19.27'
 R = 500.00'

P.I. STA. 1506+73.37
 N = 144868.033
 E = 425399.830
 Δ = 07°52'55.7" RT.
 T = 13.78'
 L = 27.51'
 R = 200.00'

P.I. STA. 1507+67.49
 N = 144773.876
 E = 425400.620
 Δ = 08°11'41.8" RT.
 T = 11.18'
 L = 22.31'
 R = 156.00'

SHEET NO.	TOTAL SHEETS	
F1	F65	
STATE	YEAR	
ALASKA	2003	
PROJECT DESIGNATION		
CA-0525(11)/53922		
ADDENDUM NO.		
ATTACHMENT NO.		
REVISIONS		
NO.	DATE	DESCRIPTION

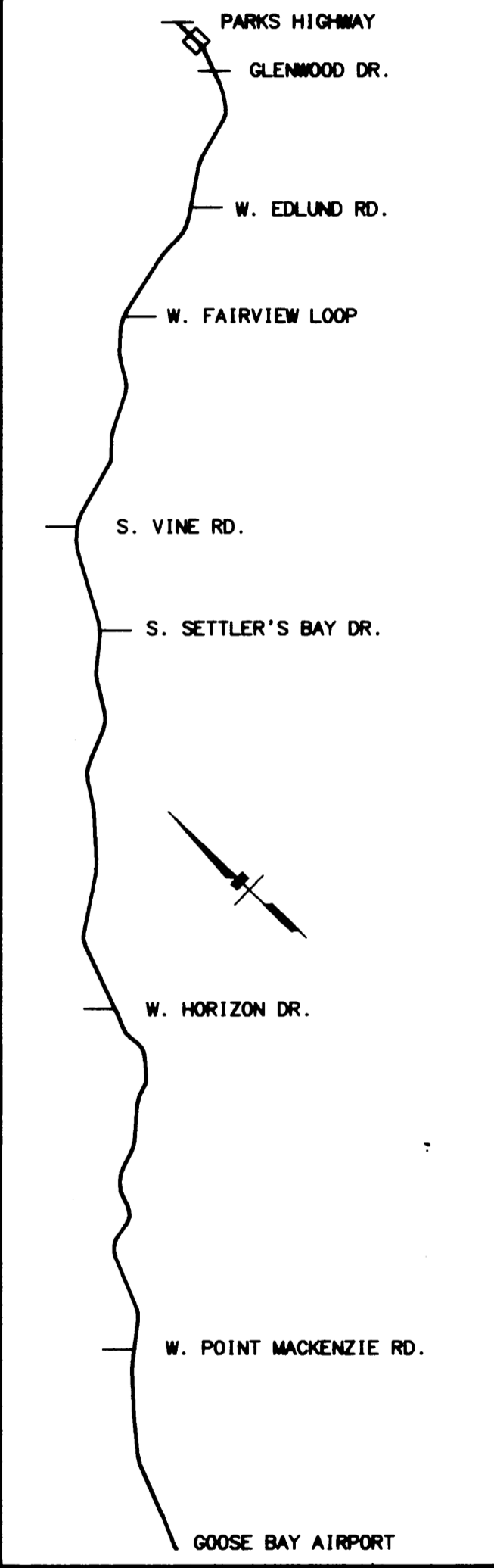


STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES

KNIK-GOOSE BAY ROAD
 REHABILITATION
 AND PATHWAY

PATHWAY
 PLAN AND PROFILE

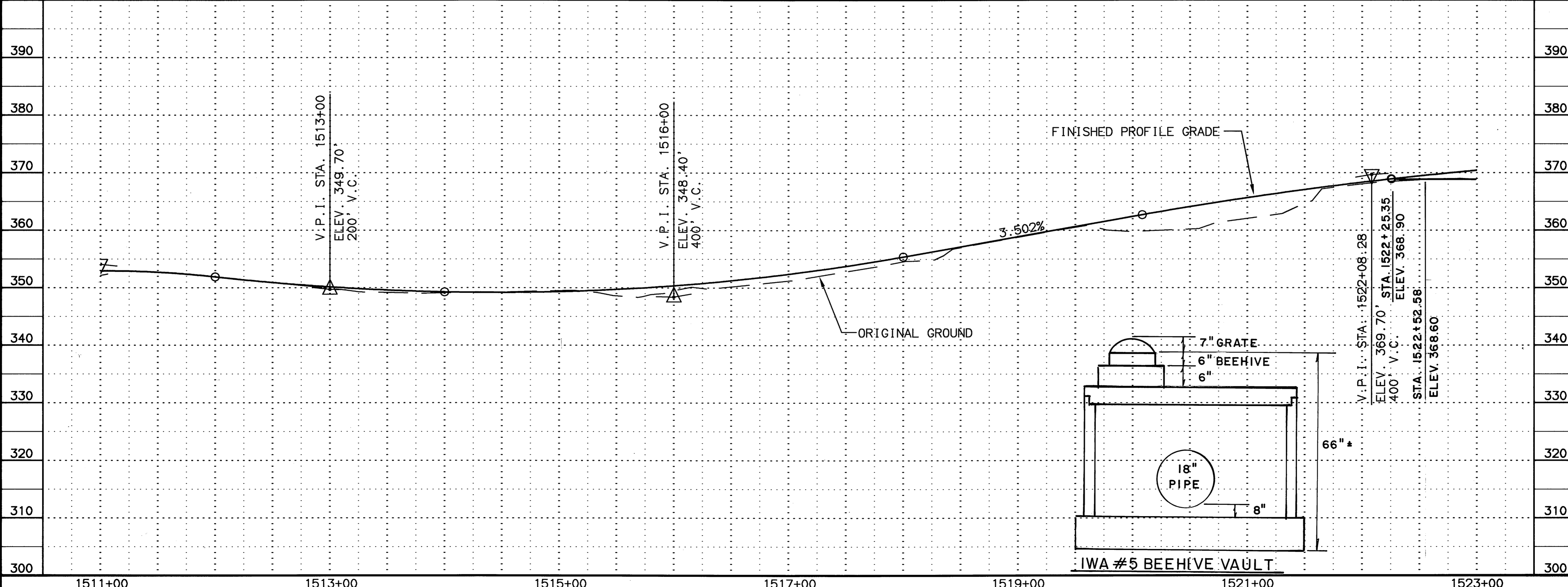
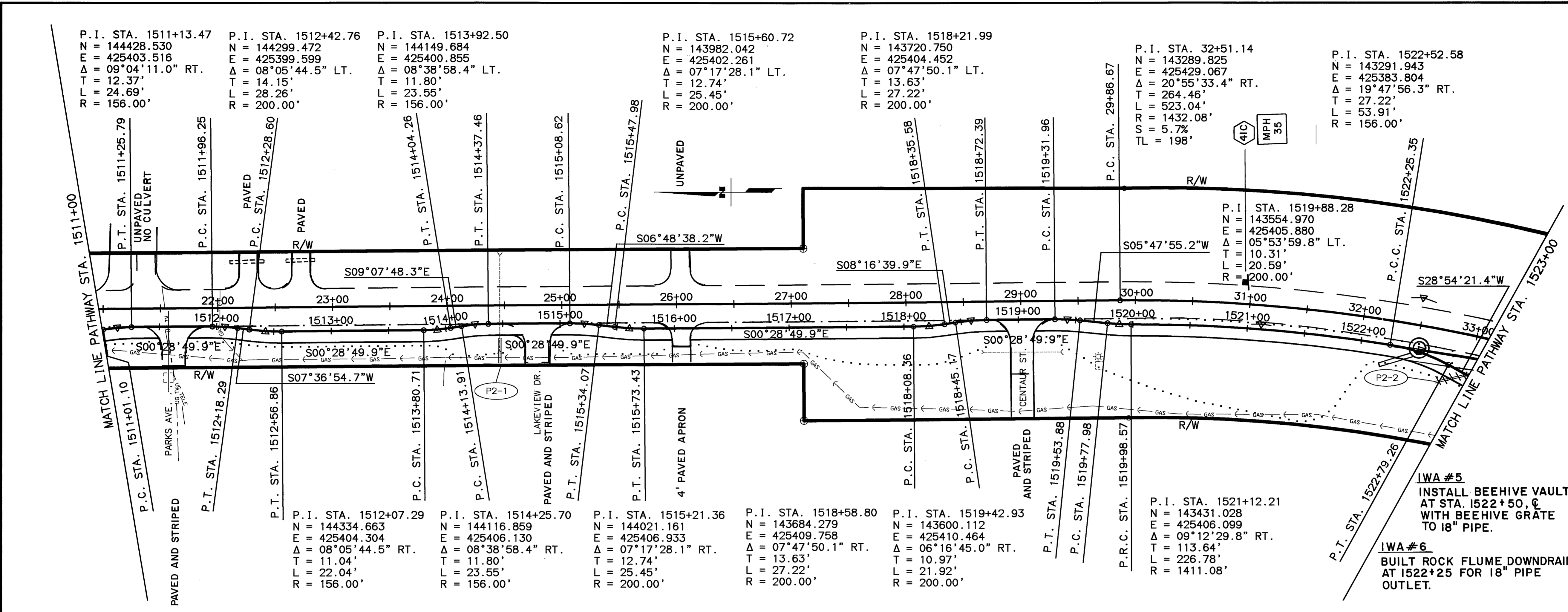
SHEET NO.	TOTAL SHEETS	
F2	F65	
STATE	YEAR	
ALASKA	2003	
PROJECT DESIGNATION		
CA-0525(11)/53922		
ADDENDUM NO.		
ATTACHMENT NO.		
REVISIONS		
NO.	DATE	DESCRIPTION



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES

KNIK-GOOSE BAY ROAD
 REHABILITATION
 AND PATHWAY

PATHWAY
 PLAN AND PROFILE



DESIGNED BY: [blank]
 CHECKED BY: [blank]
 DRAFTED BY: [blank]
 DATE: 03/31/2003
 SCALE: AS SHOWN
 XREFS: BASE, GSB, DWS, PROE, GSB, DWS, MAP, SLIDE, DWS
 AUTOCAD: PLOT, XREFS, GSB, DWS, PROE, GSB, DWS, MAP, SLIDE, DWS
 COMPUTER DESIGNATION: VIEW: F2

P.I. STA. 1511+13.47
 N = 144428.530
 E = 425403.516
 Δ = 09°04'11.0" RT.
 T = 12.37'
 L = 24.69'
 R = 156.00'

 P.I. STA. 1512+42.76
 N = 144299.472
 E = 425399.599
 Δ = 08°05'44.5" LT.
 T = 14.15'
 L = 28.26'
 R = 200.00'

 P.I. STA. 1513+92.50
 N = 144149.684
 E = 425400.855
 Δ = 08°38'58.4" LT.
 T = 11.80'
 L = 23.55'
 R = 156.00'

 P.I. STA. 1515+60.72
 N = 143982.042
 E = 425402.261
 Δ = 07°17'28.1" LT.
 T = 12.74'
 L = 25.45'
 R = 200.00'

 P.I. STA. 1518+21.99
 N = 143720.750
 E = 425404.452
 Δ = 07°47'50.1" LT.
 T = 13.63'
 L = 27.22'
 R = 200.00'

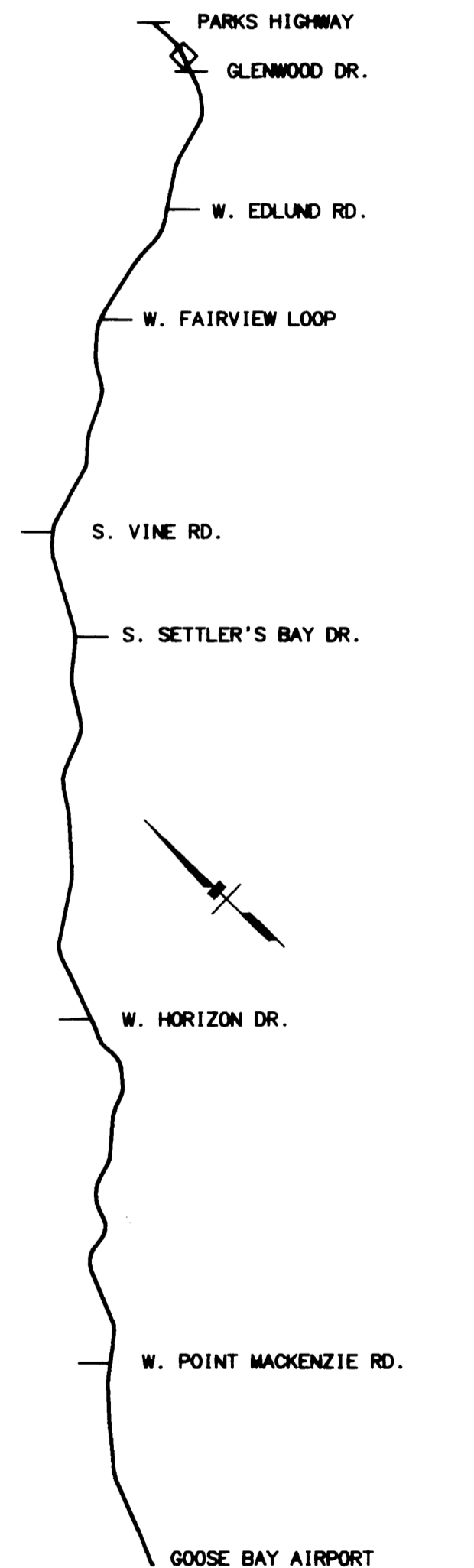
 P.I. STA. 32+51.14
 N = 143289.825
 E = 425429.067
 Δ = 20°55'33.4" RT.
 T = 264.46'
 L = 523.04'
 S = 1432.08'
 S = 5.7%
 L = 198'

 P.I. STA. 1522+52.58
 N = 143291.943
 E = 425383.804
 Δ = 19°47'56.3" RT.
 T = 27.22'
 L = 53.91'
 R = 156.00'

 P.I. STA. 1519+88.28
 N = 143554.970
 E = 425405.880
 Δ = 05°53'59.8" LT.
 T = 10.31'
 L = 20.59'
 R = 200.00'

 P.I. STA. 1521+12.21
 N = 143431.028
 E = 425406.099
 Δ = 09°12'29.8" RT.
 T = 113.64'
 L = 226.78'
 R = 1411.08'

SHEET NO.	TOTAL SHEETS	
F3	F65	
STATE	YEAR	
ALASKA	2003	
PROJECT DESIGNATION		
CA-0525(11)/53922		
ADDENDUM NO.		
ATTACHMENT NO.		
REVISIONS		
NO.	DATE	DESCRIPTION

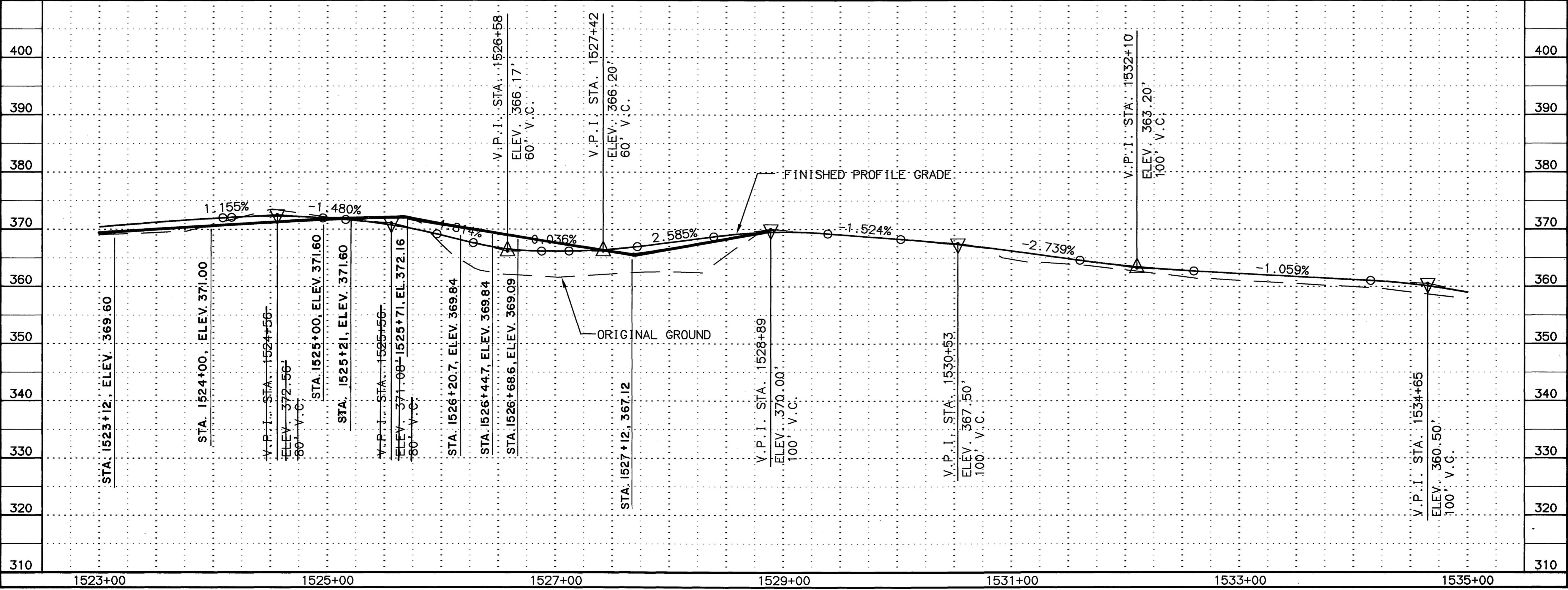
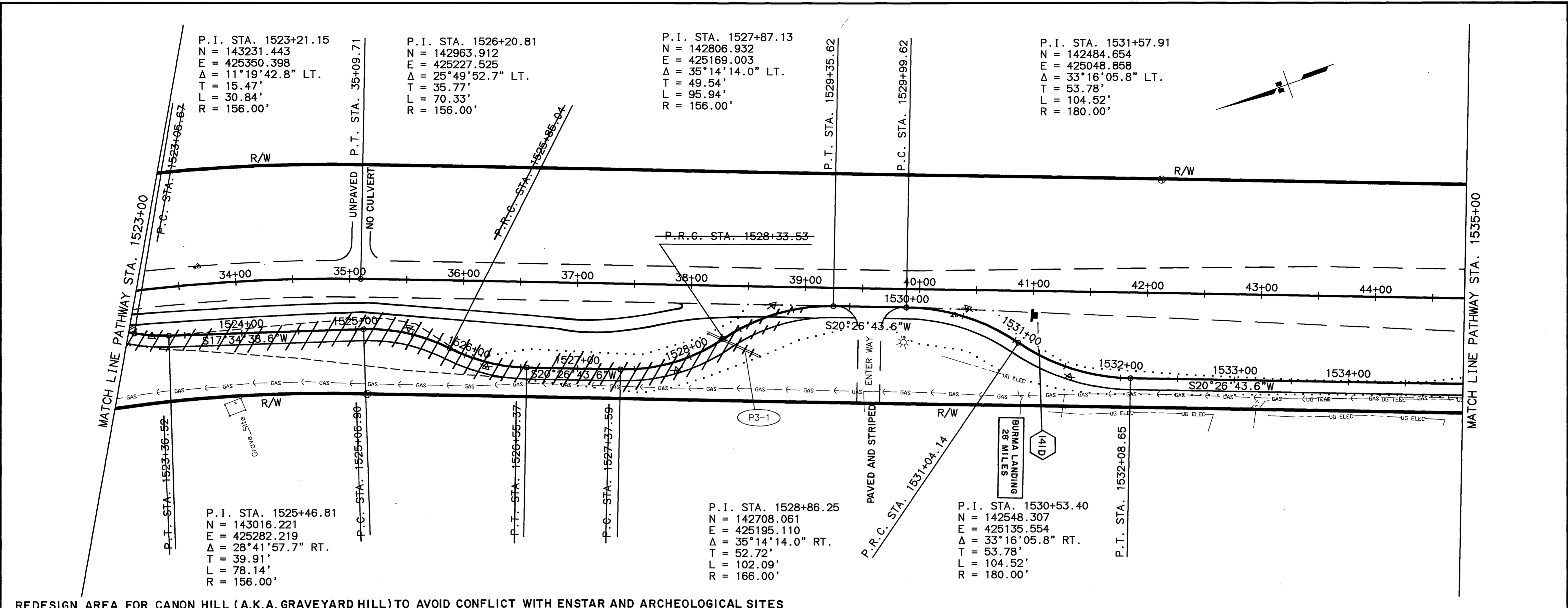


STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES

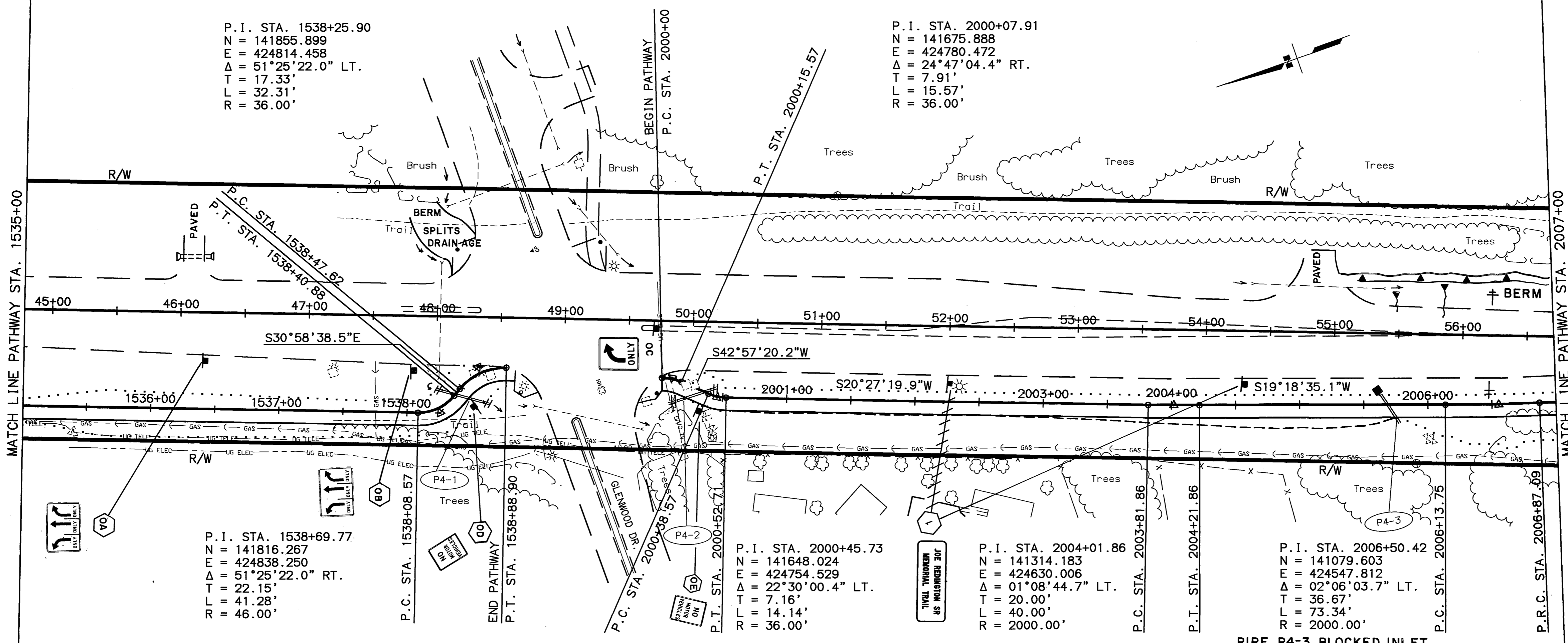
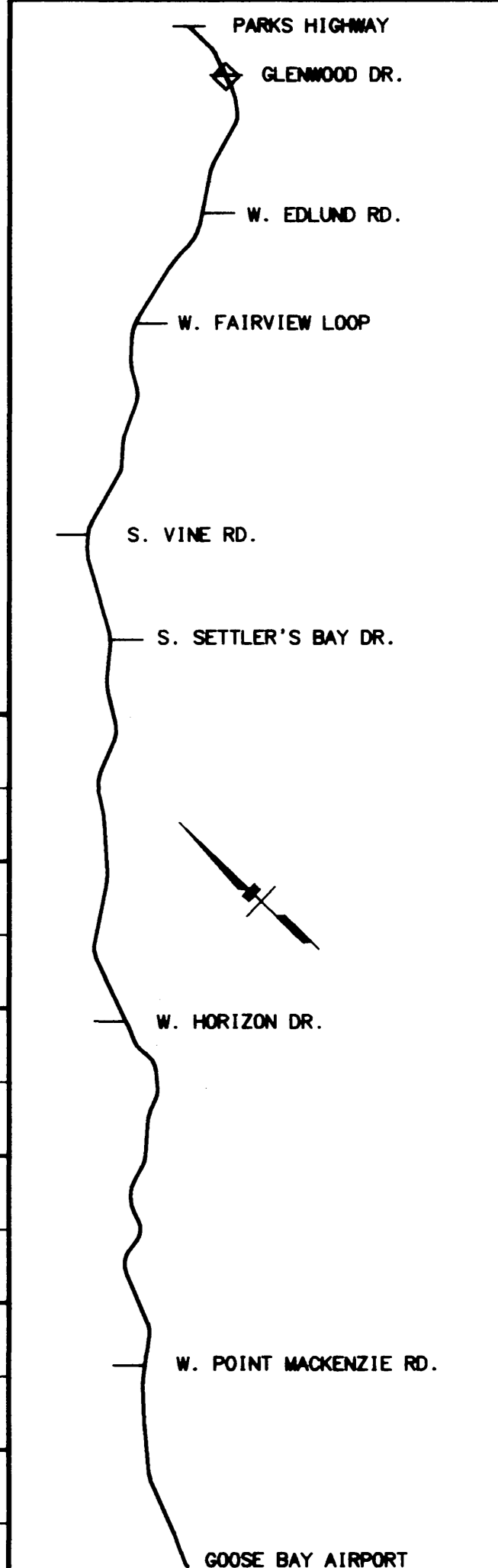
**KNIK-GOOSE BAY ROAD
 REHABILITATION
 AND PATHWAY**

PATHWAY
 PLAN AND PROFILE

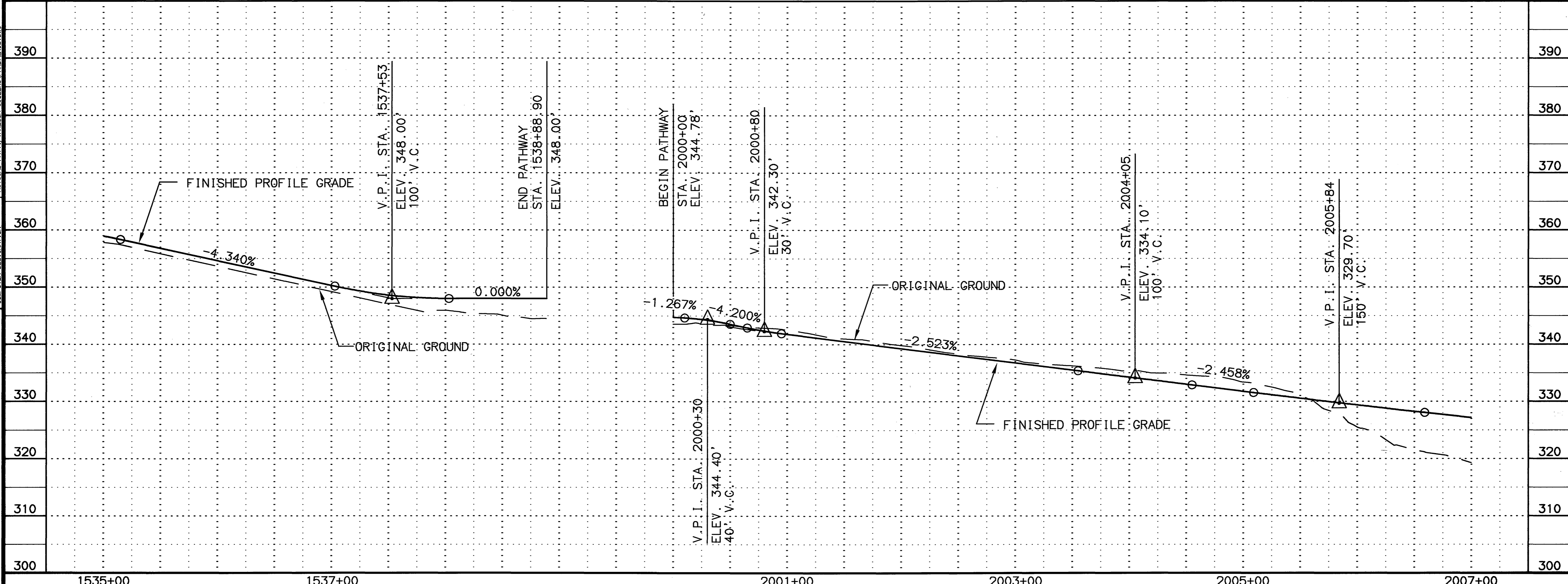
SPECIFICATIONS: XREFS: BASE: KGB.DWG, PROFILE: KGB.DWG, MAP: STRIDE.DWG, AUTOCAD: PATTI\ALASKA\53922\KGB.DWG, COMPUTER DESIGNATION: VIEW: F3
 DESIGNED BY: PL/VS
 CHECKED BY:
 DRAFTED BY:



SHEET NO.	TOTAL SHEETS	
F4	F65	
STATE	YEAR	
ALASKA	2003	
PROJECT DESIGNATION		
CA-0525(11)/53922		
ADDENDUM NO.		
ATTACHMENT NO.		
REVISIONS		
NO.	DATE	DESCRIPTION



PIPE P4-3 BLOCKED INLET
TO PREVENT FLOODING SENIOR CITIZEN'S AREA



DESIGNED BY: PL/S
 CHECKED BY: PL/S
 DRAFTED BY: PL/S
 03/31/2003
 VIEW: F4
 SPECIFICATIONS: XREFS: BASE_KGB.DWG, PROF_KGB.DWG, MAP_STRIE.DWG, AUTOCAD-PATH/ANASSA-53922/PANDP_KGB.DWG
 SCALE: 1"=50'
 COMPUTER DESIGNATION:

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES

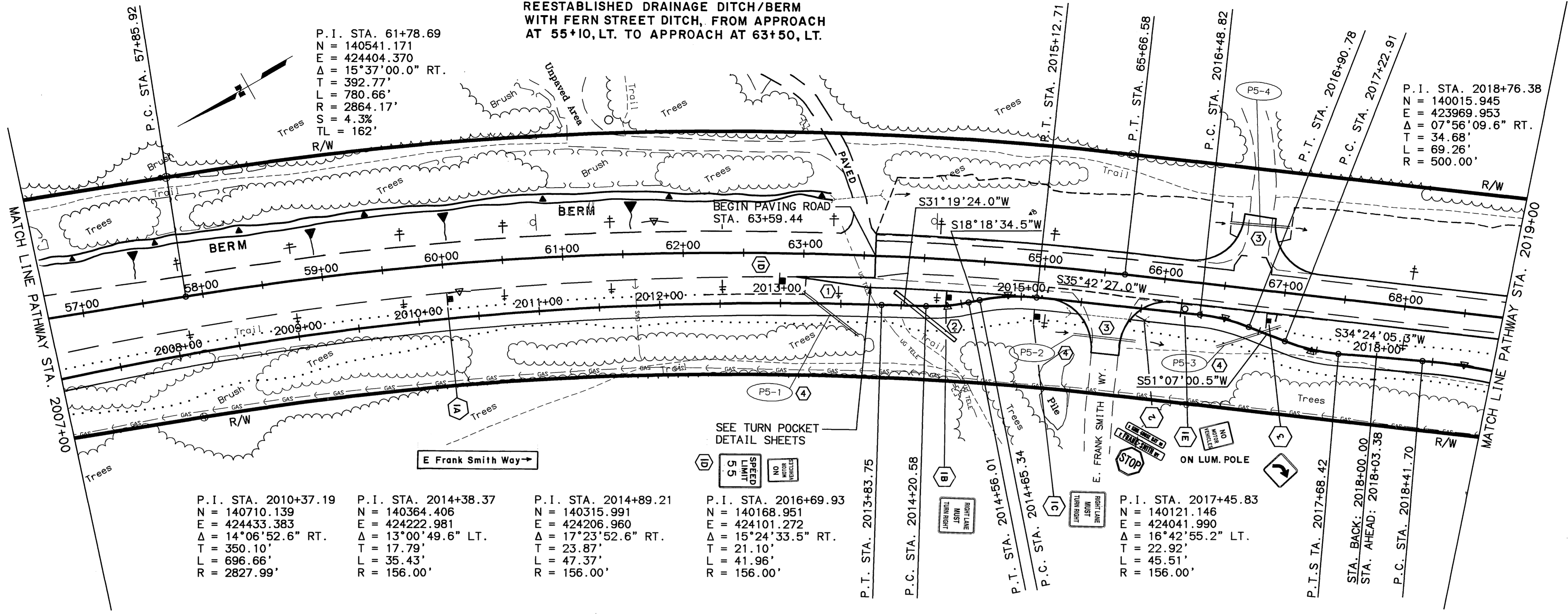
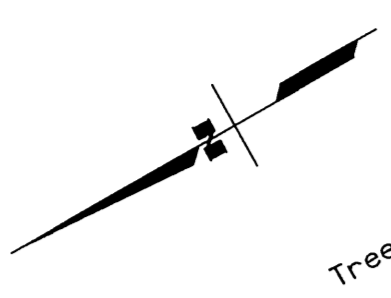
**KNIK-GOOSE BAY ROAD
 REHABILITATION
 AND PATHWAY**

PATHWAY
 PLAN AND PROFILE

IWA #18
REESTABLISHED DRAINAGE DITCH/BERM
WITH FERN STREET DITCH, FROM APPROACH
AT 55+10, LT. TO APPROACH AT 63+50, LT.

P.I. STA. 61+78.69
 N = 140541.171
 E = 424404.370
 Δ = 15°37'00.0" RT.
 T = 392.77'
 L = 780.66'
 R = 2864.17'
 S = 4.3%
 TL = 162'

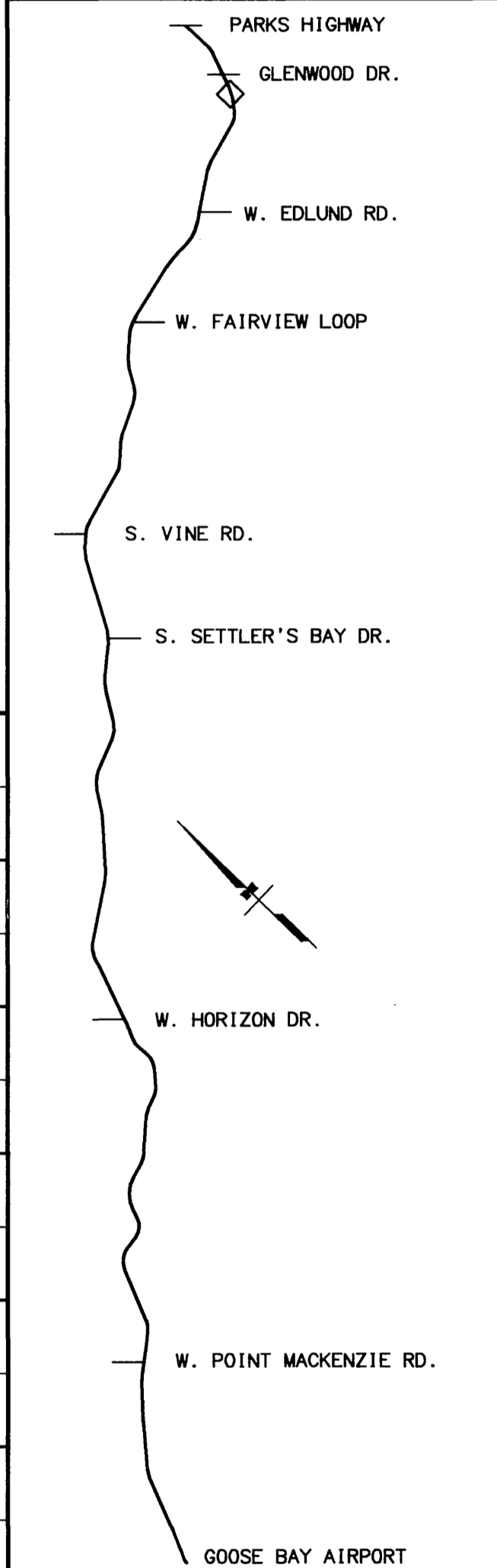
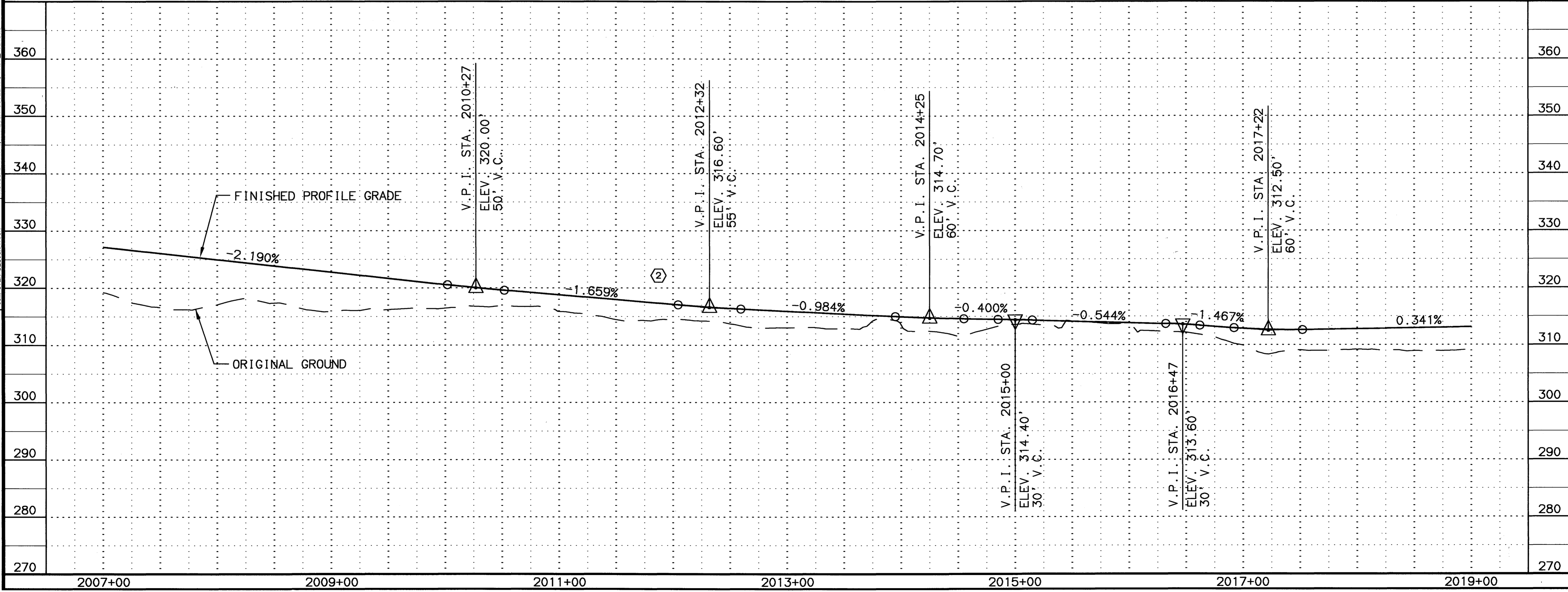
P.I. STA. 2018+76.38
 N = 140015.945
 E = 423969.953
 Δ = 07°56'09.6" RT.
 T = 34.68'
 L = 69.26'
 R = 500.00'



P.I. STA. 2010+37.19 N = 140710.139 E = 424433.383 Δ = 14°06'52.6" RT. T = 350.10' L = 696.66' R = 2827.99'	P.I. STA. 2014+38.37 N = 140364.406 E = 424222.981 Δ = 13°00'49.6" LT. T = 17.79' L = 35.43' R = 156.00'	P.I. STA. 2014+89.21 N = 140315.991 E = 424206.960 Δ = 17°23'52.6" RT. T = 23.87' L = 47.37' R = 156.00'	P.I. STA. 2016+69.93 N = 140168.951 E = 424101.272 Δ = 15°24'33.5" RT. T = 21.10' L = 41.96' R = 156.00'
---	--	--	--

SHEET NO.	TOTAL SHEETS	
F5	F65	
STATE	YEAR	
ALASKA	2003	
PROJECT DESIGNATION		
CA-0525(11)/53922		
ADDENDUM NO.		
1		
ATTACHMENT NO.		
I		
REVISIONS		
NO.	DATE	DESCRIPTION
①	5/21/03	ADD TURN POCKET
②	5/21/03	CHANGE PATHWAY
③	5/21/03	CHANGE APPROACHES
④	5/21/03	CHANGE CULVERTS

SPECIFICATIONS
 SCALE 1"=50'
 COMPUTER DESIGNATION
 XREFS: BASE_KGB.DWG, PROF_KGB.DWG, MAP_SIDE.DWG
 AUTOCAD-PATH/VANESSA-539223/VANDP_KGB.DWG
 DESIGNED BY
 CHECKED BY
 DRAFTED BY
 05/20/2003
 PL/VS
 VIEW: F5



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES

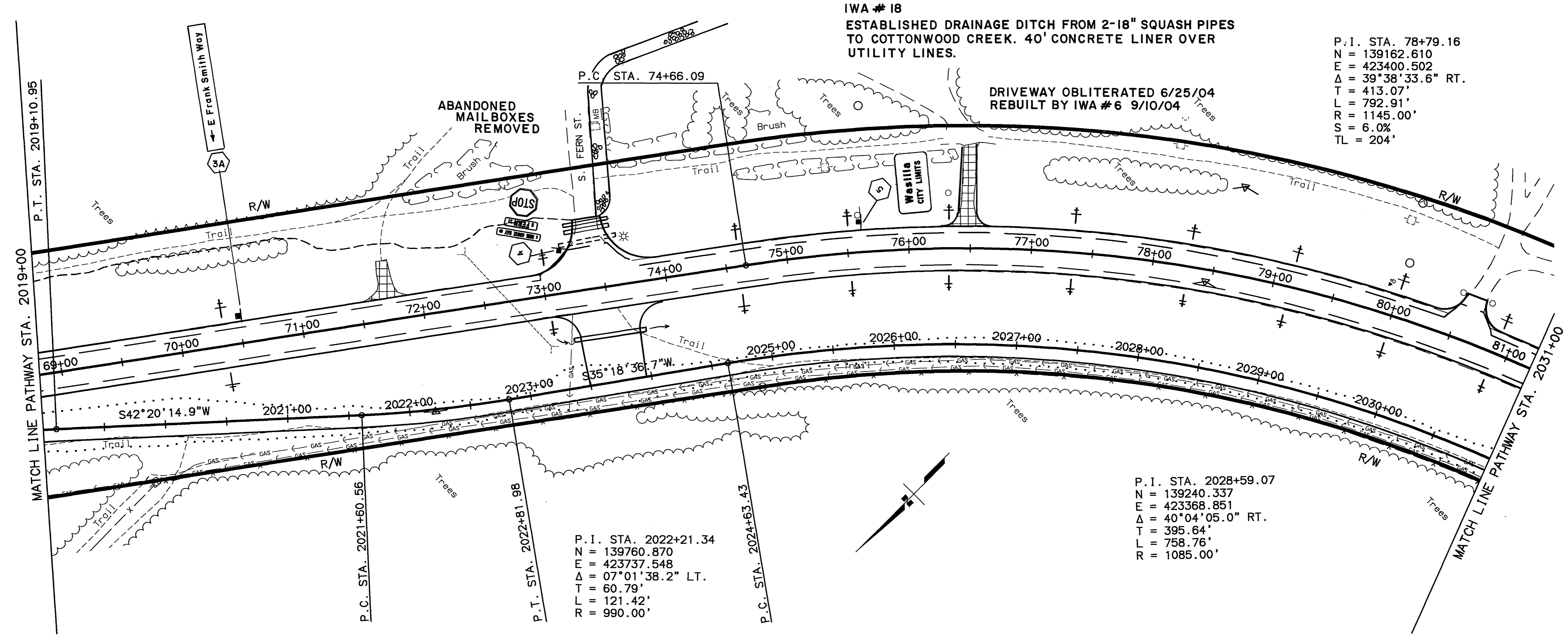
**KNIK-GOOSE BAY ROAD
 REHABILITATION
 AND PATHWAY**

PATHWAY
 PLAN AND PROFILE

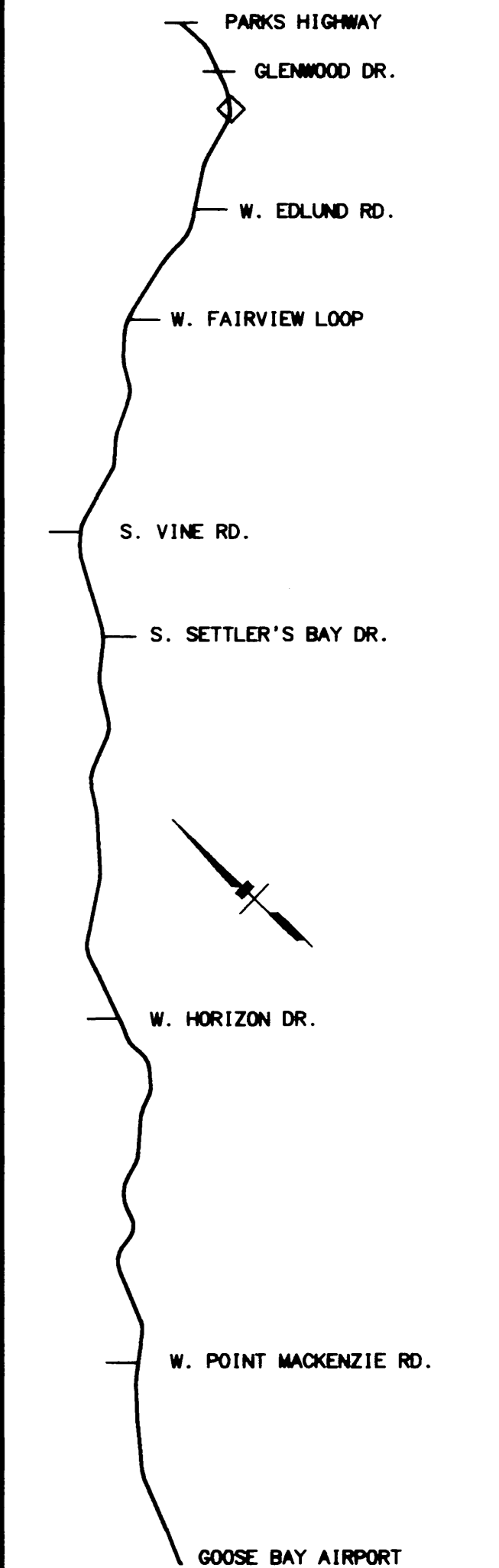
IWA # 18
 ESTABLISHED DRAINAGE DITCH FROM 2-18" SQUASH PIPES
 TO COTTONWOOD CREEK. 40' CONCRETE LINER OVER
 UTILITY LINES.

P.I. STA. 78+79.16
 N = 139162.610
 E = 423400.502
 $\Delta = 39^\circ 38' 33.6''$ RT.
 T = 413.07'
 L = 792.91'
 S = 1145.00'
 R = 6.0%
 TL = 204'

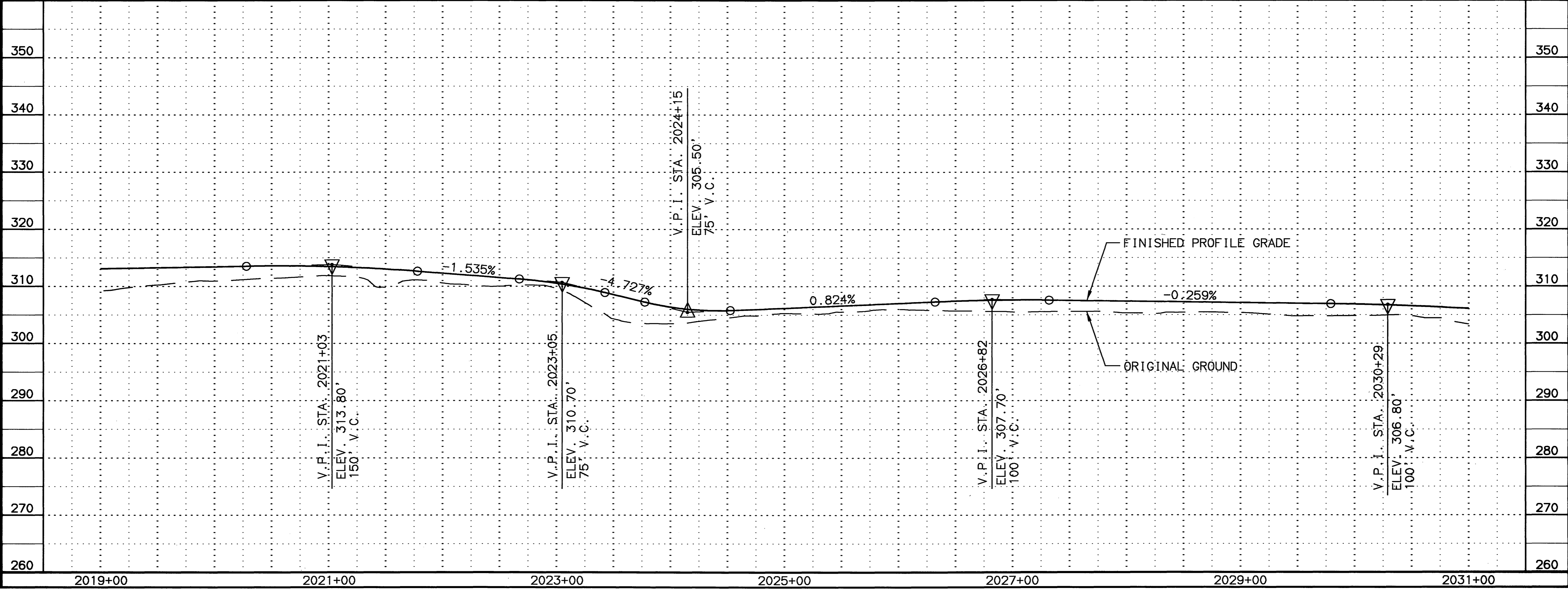
DRIVEWAY OBLITERATED 6/25/04
 REBUILT BY IWA #6 9/10/04



SHEET NO.	TOTAL SHEETS	
F6	F65	
STATE	YEAR	
ALASKA	2003	
PROJECT DESIGNATION		
CA-0525(11)/53922		
ADDENDUM NO.		
ATTACHMENT NO.		
REVISIONS		
NO.	DATE	DESCRIPTION



SPECIFICATIONS: XREFS: BASE JOB DWG. PROJ. JOB DWG. MAP. SITE DWG. AUTOCAD: PLOT/PRINT/ANALYSIS/SSZZZ/PAV/JOB DWG. VIEW: F6
 DESIGNED BY: PL/VS
 CHECKED BY:
 DRAFTED BY:
 DATE: 02/21/2003



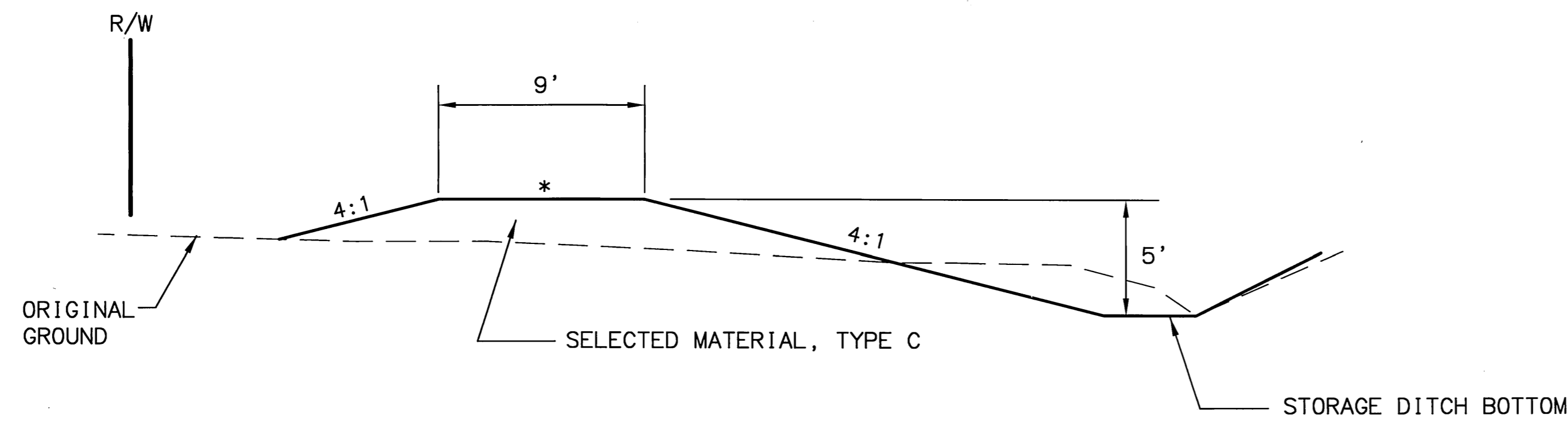
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES

**NIK-GOOSE BAY ROAD
 REHABILITATION
 AND PATHWAY**

PATHWAY
 PLAN AND PROFILE

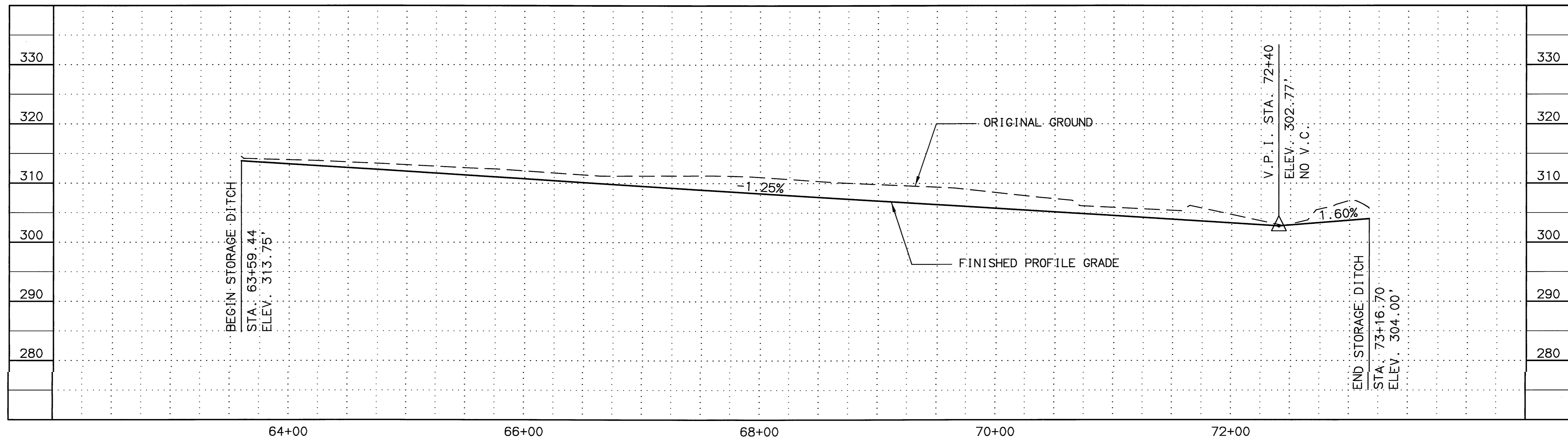
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	CA-0525(11)/53922	2003	F6A	

CHANGE ORDER #1
ATTACHMENT "A" 4/4



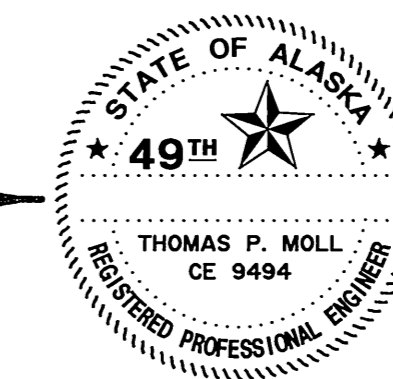
STORAGE DITCH DIRT BERM

* PLACE DIRT BERM AS DIRECTED BY ENGINEER



SPECIFICATIONS: XREF. S.: BASE_KGB.DWG, PROF_KGB.DWG, VIEW = DITCHCHANGE, SCALE 1"=8', LISCALE = 5
 STANDARDS: AUTOCAD-PATH/WANESSA-59222DET_KGB.DWG
 COMPUTER DESIGNATION: DESIGNED BY: [blank], CHECKED BY: [blank], DRAWN BY: P/VS
 08/15/2003

SIGNED BY TOM MOLL
ON 4/22/04



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

KNIK-GOOSE BAY ROAD
REHABILITATION AND PATHWAY

STORAGE DITCH

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	CA-0525(11)/53922	2003	F6B	

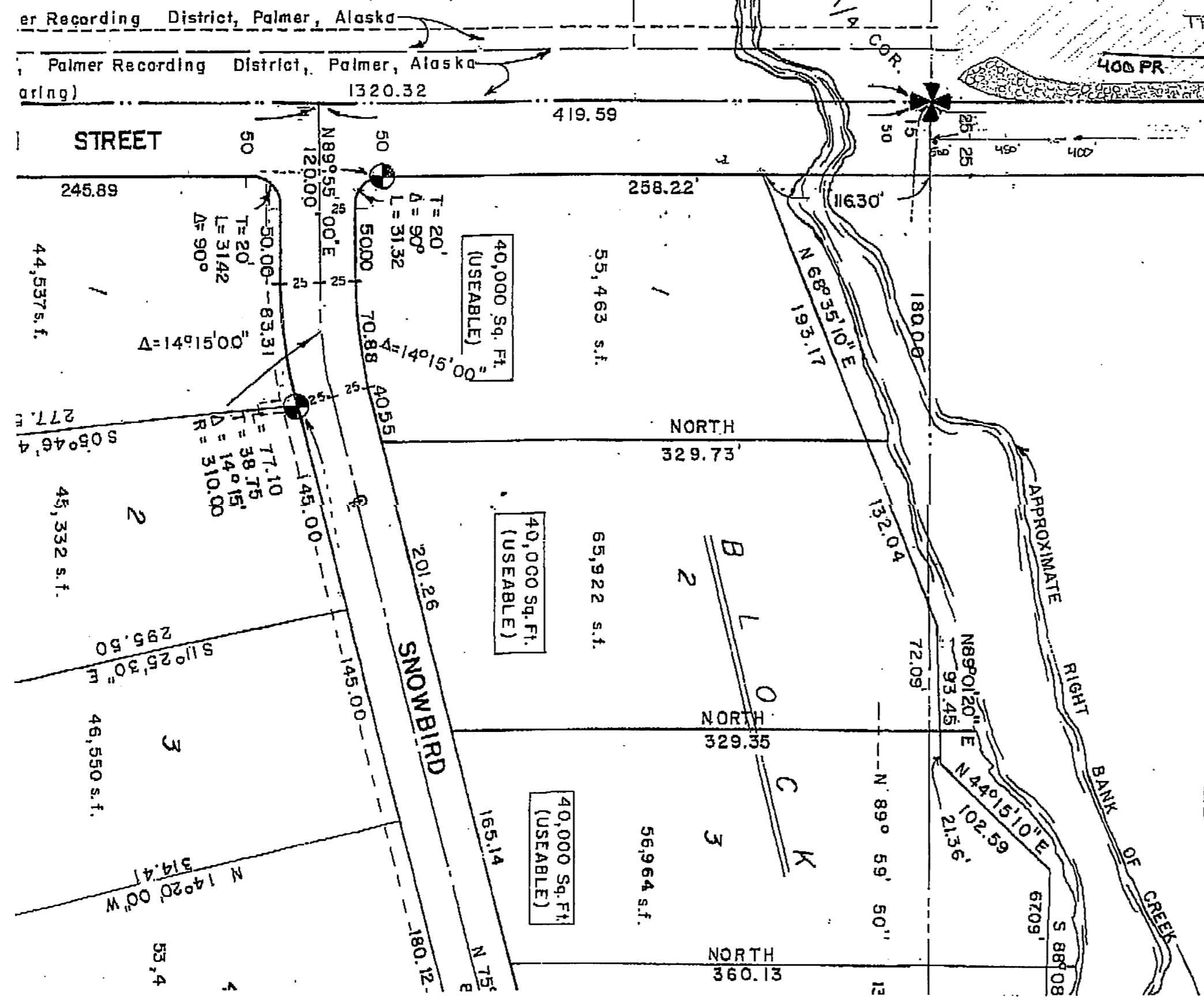
PLAT #78-28 FILED 3/6/78

425+42.5 FT. RT. AND LT. RDWY EASEMENT FOR FERN ST.
 DITCH DRAINAGE ESTABLISHED FOR PALMER-WASILLA EXT.
 TO KGB PROTECT LT., DRAINING TO FERN ST, OUTLETING AT
 COTTONWOOD CREEK WOODED AREA.

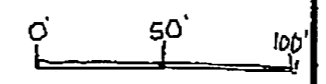
IWA#13 PATHING FERN ST. TO LOCATE ALL UTILITY LINES

IWA#18 ESTABLISH DRAINAGE ALONG KGB LT TO FERN ST,
 INSTALL 2 EA. 50' 24" SQUASH PIPES, CONSTRUCT
 DRAINAGE DITCH ON FERN ST. RT. TO COTTONWOOD CREEK
 PROTECT UTILITIES W/ CONCRETE LINER, SHAPE SLOPES
 (SUBDIVIDED)

DATES OF WORK: 5/12/05, 6/10/05, 6/10/05, 6/13/05, 6/14/05, 6/20/05



*DRAWING SPACING IS APPROXIMATE



- 1 STOP SIGN W/ KGB & FERN ST SIGNS @ N/E CORNER OF FERN ST
- 2 ENSTAR SERVICE LINE IS 13 FT BELOW BOTTOM OF EXISTING 18" PIPE ON N/E SIDE, W/ NEW PIPES BY 4 FT.
- 3 ORIGINAL 18" CULVERT DRAINS N/W, LOCATED 31' OFF KGB SHLD, 50' LENGTH
- 4 REMOVED DYING COTTONWOOD TREE FROM N/W CORNER FERN/KGB, SHAPED DITCH LINE
- 5 APPROACH ASPHALT ENDS @ 36 FT. OFF KGB SHLD.
- 6 1ST 24" SQUASH PIPE LOCATED 38' E OFF KGB SHLD, 50' LENGTH, DRAINS N/E
- 7 SHAPED DITCH ON N/W SIDE FOR PIPES, 1% DROP TO CONCRETE DITCH LINER
- 8 2ND 24" SQUASH PIPE LOCATED 42' OFF KGB SHLD, 50' LENGTH, DRAINS N/E
- 9 DUG A CATCH BASIN ON N/E SIDE FOR PIPES, GRADED SHLDR TO FIT
- 10 CONCRETE DITCH LINER BEGINS 71' OFF KGB SHLD, 40' LENGTH, 4' WIDTH, COVERS
- 11 ALL UTILITY LINES X-ING FERN ST. 400 PR, 400 PR, F/O, G/LT, GAS, ETC.
- 12 GREEN PED. BOX FOR FIBER OPTICS LOCATED @ 81' DOWN FERN, 26' RT OF E
- 13 REMOVED ABANDONED MAILBOX SETUP, W/ POST OFFICE AREA SUPERVISORS PERMISSION
- 14 3" DRAIN ROCK STARTS @ 111' OFF KGB SHLD, 8" DRAIN ROCK BEGINS @ 375'
- 15 ALL OF DRAIN ROCK AREA IS LINED WITH FELT LINER
- 16 446' BEGIN SEPARATION OF NEW DRAINAGE DITCH @ FERN ST
- 17 SPEED LIMIT 25 SIGN REINSTALLED @ TOP OF DITCH BACKSLOPE, RT OF E
- 18 485' OFF KGB SHLD, END DRAINAGE DITCH

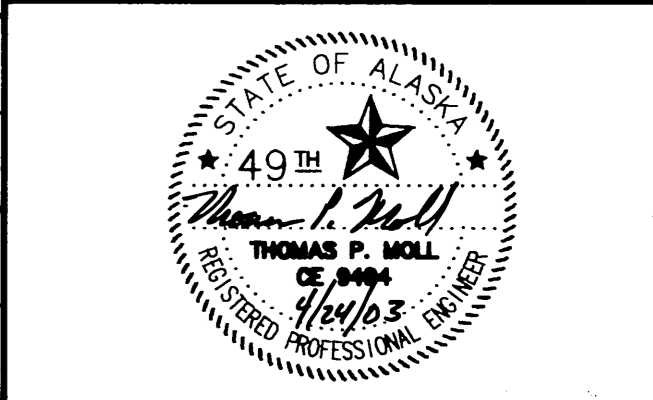
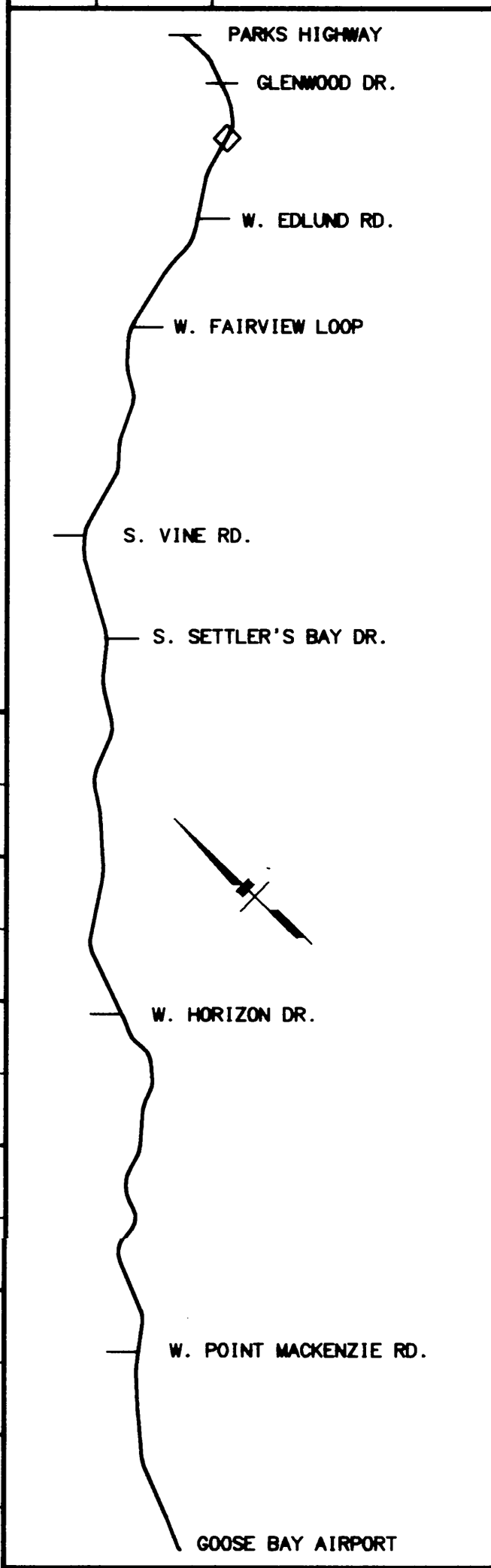
DESIGNED BY: [blank] CHECKED BY: [blank] DRAFTED BY: [blank]
 09/24/2008
 VIEW: F6B (.LIF)
 XREFS: BASE_KGB.DWG, PROF_KGB.DWG, MAP_SIDE.DWG
 SCALE: 1"=50'
 AUTOCAD-PATH/WASILLA-53922R3/PANDEP_KGB.DWG
 SPECIFICATIONS
 COMPUTER DESIGNATION

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND
 PUBLIC FACILITIES

**KNIK-GOOSE BAY ROAD
 REHABILITATION AND PATHWAY**

SURVEY

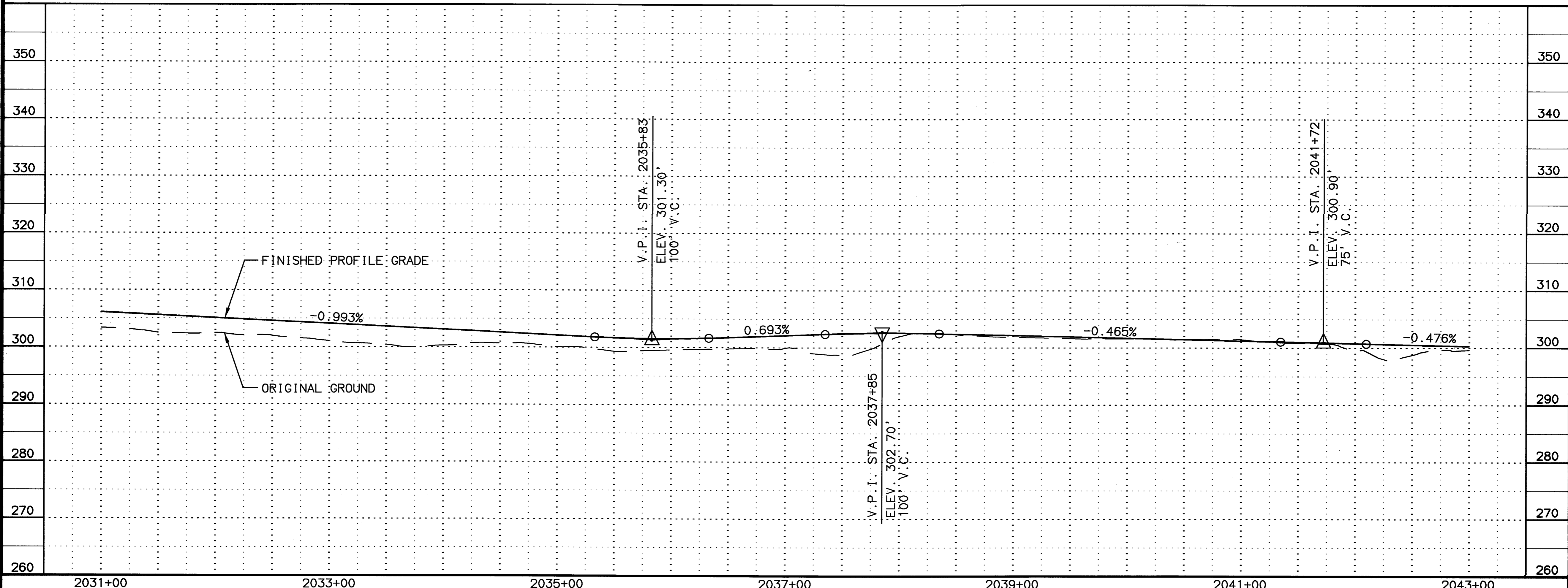
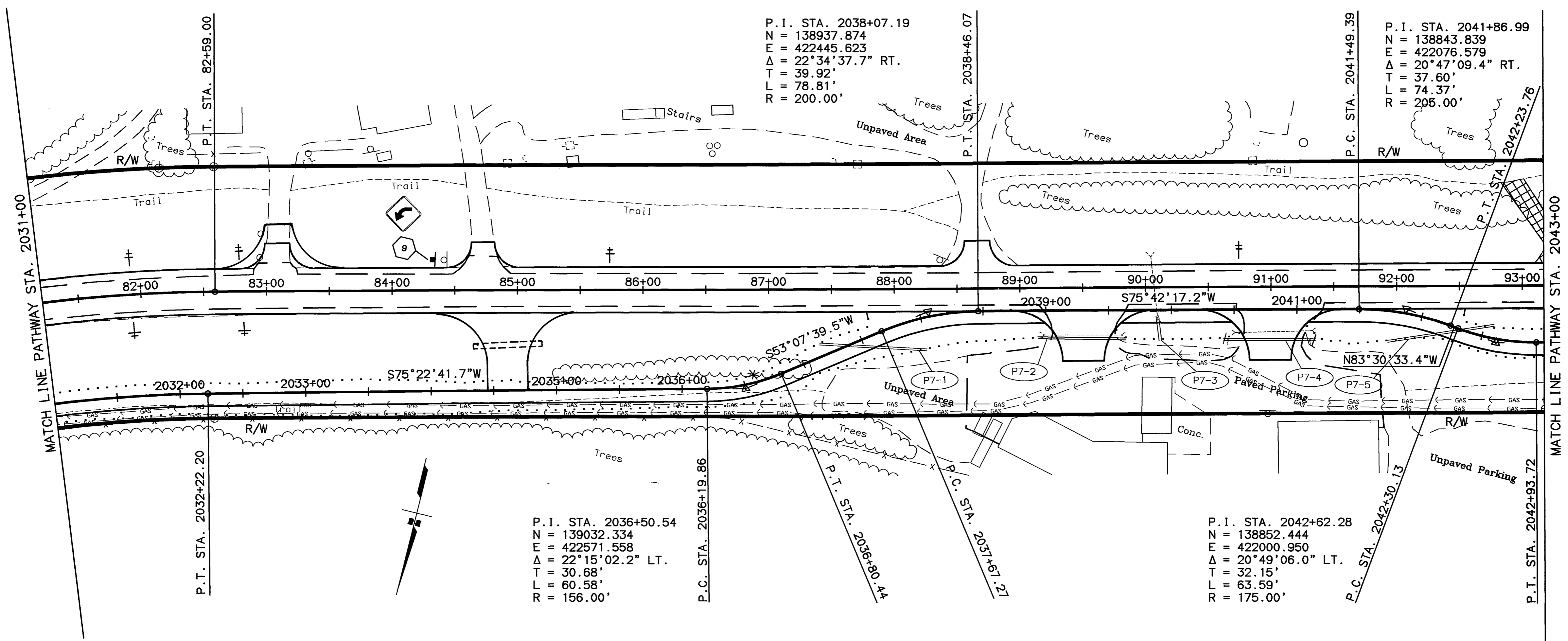
SHEET NO.	TOTAL SHEETS	
F7	F65	
STATE	YEAR	
ALASKA	2003	
PROJECT DESIGNATION		
CA-0525(11)/53922		
ADDENDUM NO.		
ATTACHMENT NO.		
REVISIONS		
NO.	DATE	DESCRIPTION



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

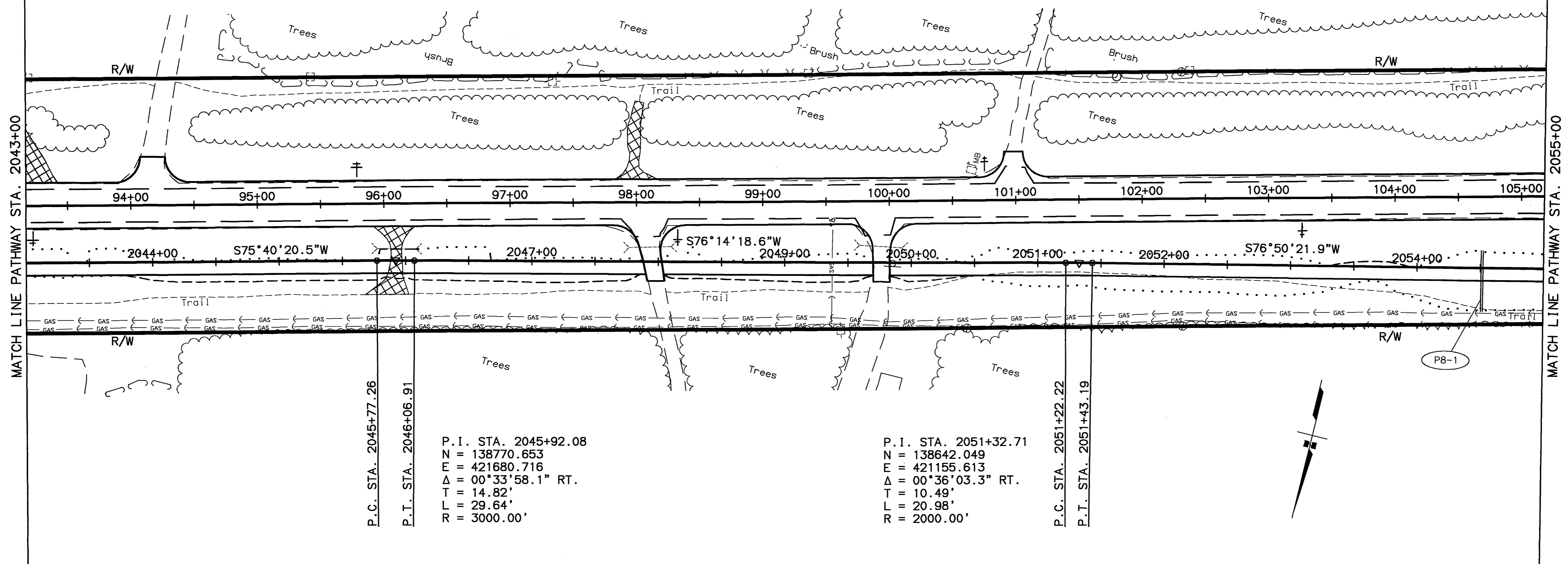
**KNIK-GOOSE BAY ROAD
REHABILITATION
AND PATHWAY**

PATHWAY
PLAN AND PROFILE



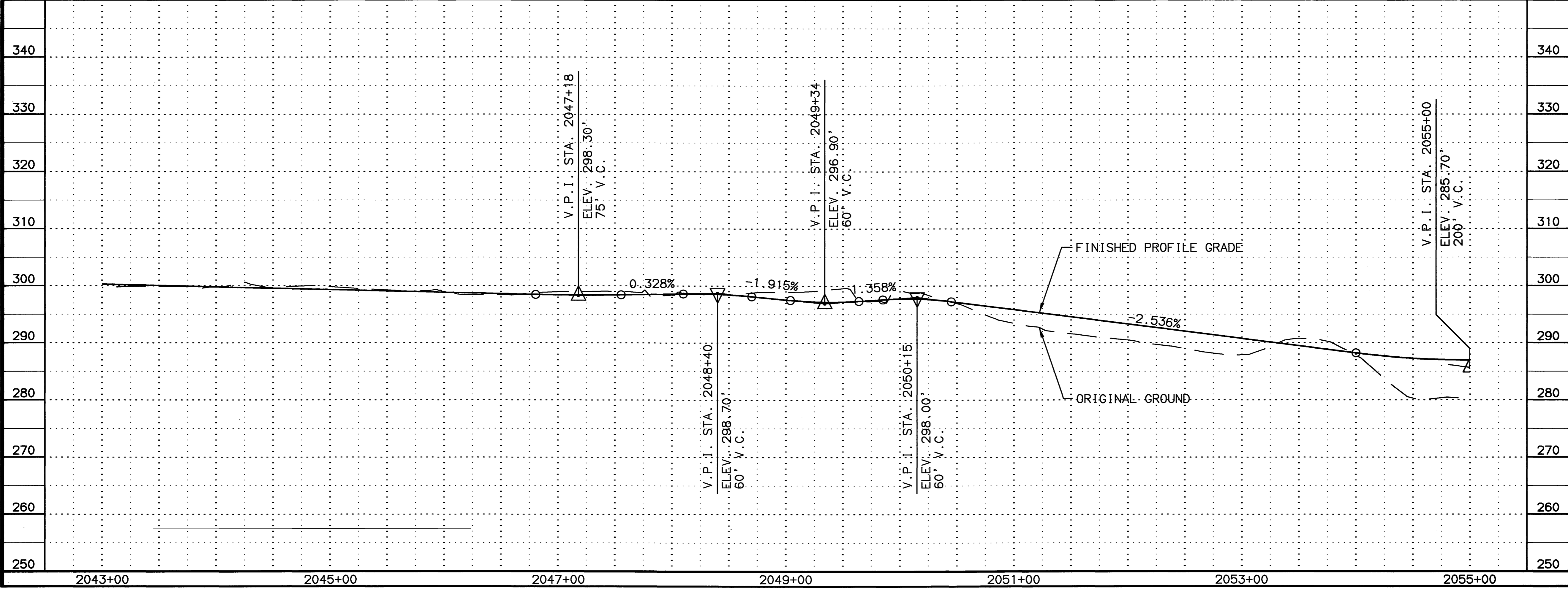
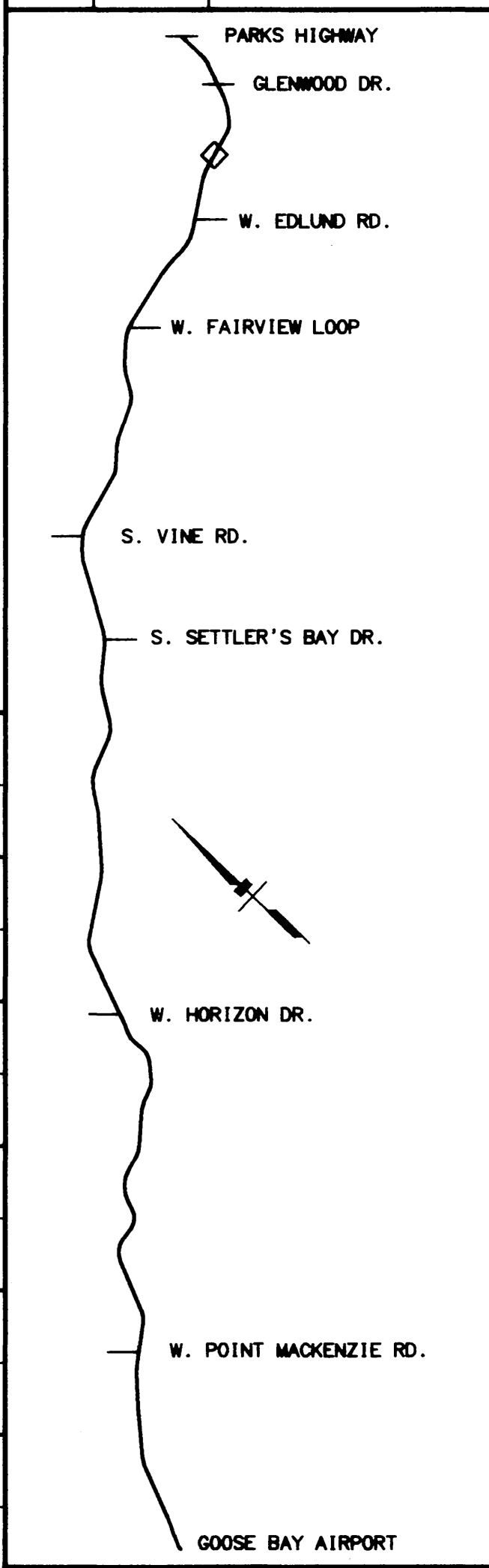
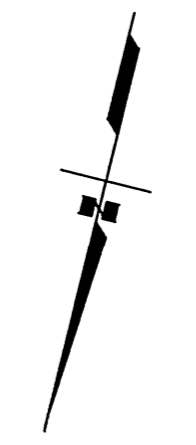
SPECIFICATIONS
SCALE: 1"=50'
COMPUTER DESIGNATION
REFS: BASE_JOB.DWG, PROF_JOB.DWG, MAP_SIDE.DWG
AUTOCAD-PATH/ANESHA-39223/VANDP_KGB.DWG
VIEW: F7
DESIGNED BY
CHECKED BY
DRAWN BY
PLVS
03/31/2003

SHEET NO.	TOTAL SHEETS	
F8	F65	
STATE	YEAR	
ALASKA	2003	
PROJECT DESIGNATION		
CA-0525(11)/53922		
ADDENDUM NO.		
ATTACHMENT NO.		
REVISIONS		
NO.	DATE	DESCRIPTION

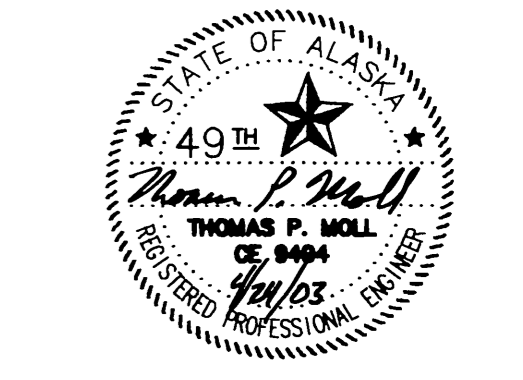


P.I. STA. 2045+92.08
 N = 138770.653
 E = 421680.716
 $\Delta = 00^\circ 33' 58.1''$ RT.
 T = 14.82'
 L = 29.64'
 R = 3000.00'

P.I. STA. 2051+32.71
 N = 138642.049
 E = 421155.613
 $\Delta = 00^\circ 36' 03.3''$ RT.
 T = 10.49'
 L = 20.98'
 R = 2000.00'

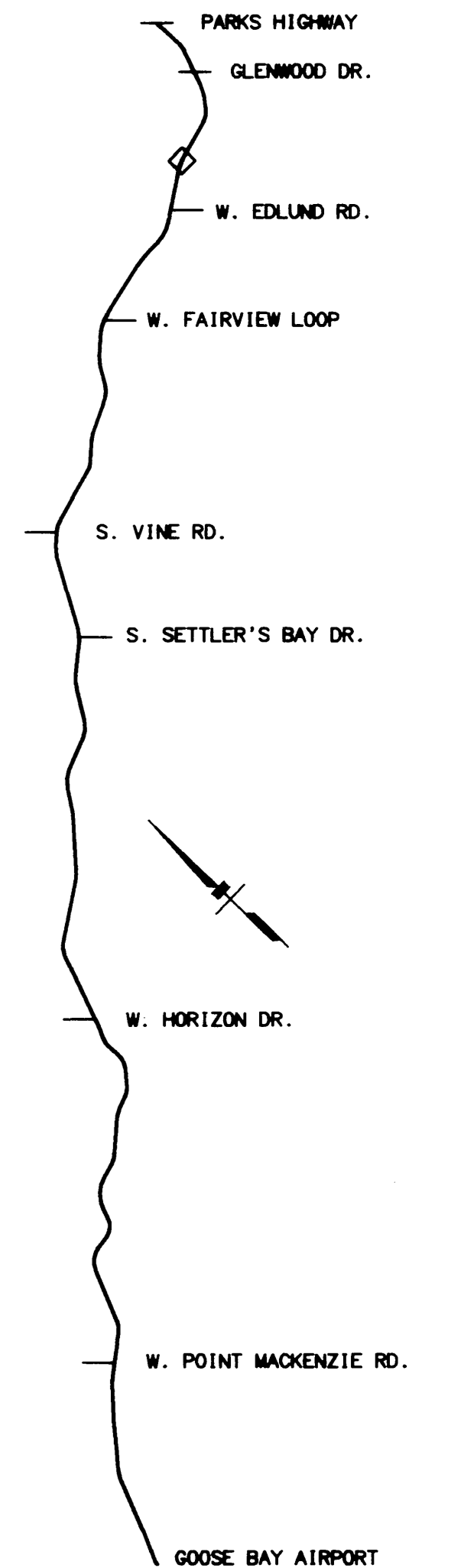


DESIGNED BY: [blank]
 CHECKED BY: [blank]
 DRAFTED BY: [blank]
 DATE: 02/17/2003
 VIEW: F8
 SCALE: 1"=80'
 SPECIFICATIONS: [blank]
 REF: BASE_KGB.DWG, PROF_KGB.DWG, MAP_SIDE.DWG, AUTOGRID_PATTI/ANISSA-SB22R/PANDP_KGB.DWG, COMPUTER DESIGNATION



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**KNIK-GOOSE BAY ROAD
 REHABILITATION
 AND PATHWAY**
 PATHWAY
 PLAN AND PROFILE

SHEET NO.	TOTAL SHEETS	
F9	F65	
STATE	YEAR	
ALASKA	2003	
PROJECT DESIGNATION		
CA-0525(11)/53922		
ADDENDUM NO.		
ATTACHMENT NO.		
REVISIONS		
NO.	DATE	DESCRIPTION



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES

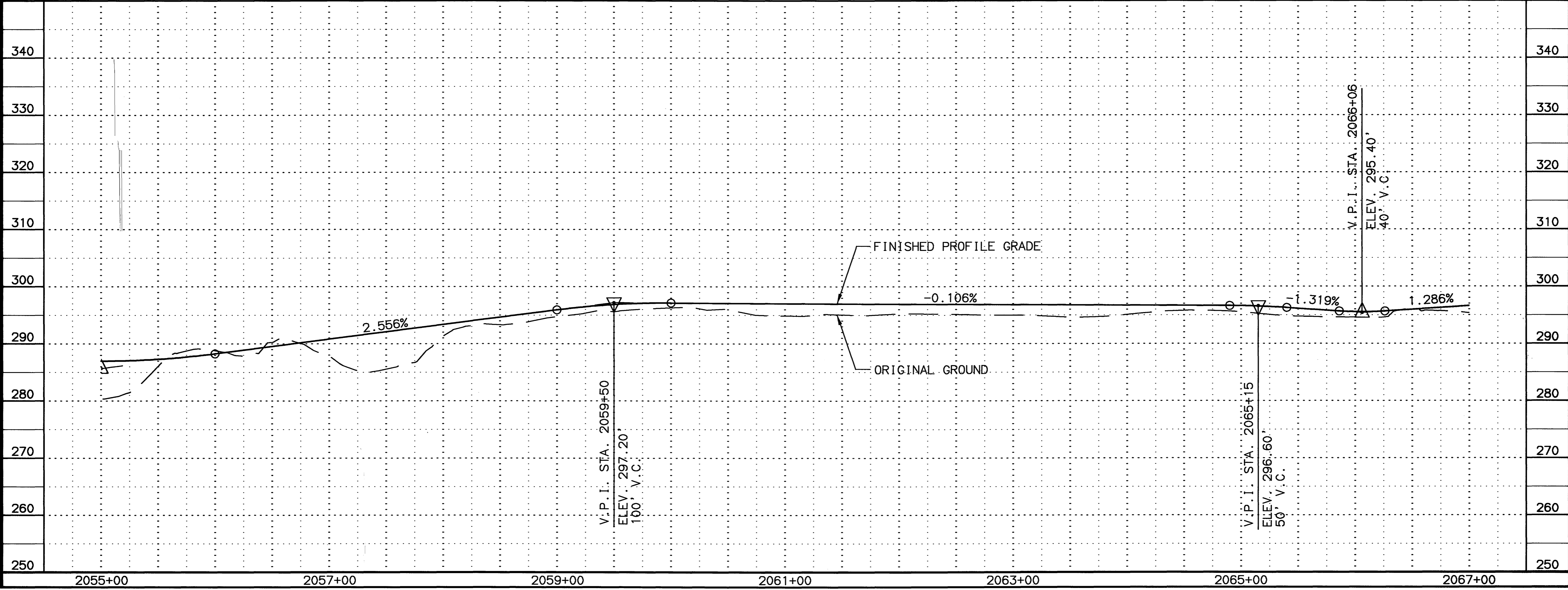
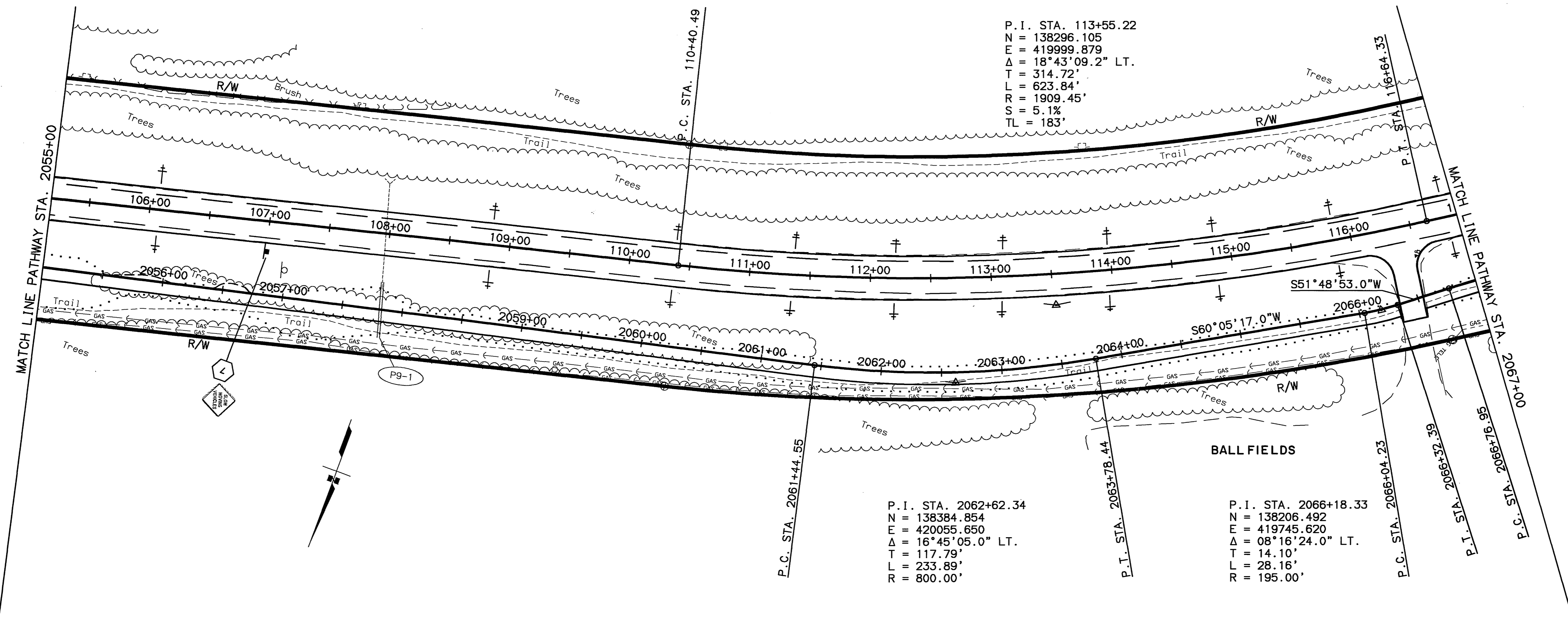
**KNIK-GOOSE BAY ROAD
 REHABILITATION
 AND PATHWAY**

PATHWAY
 PLAN AND PROFILE

P.I. STA. 113+55.22
 N = 138296.105
 E = 419999.879
 Δ = 18°43'09.2" LT.
 T = 314.72'
 L = 623.84'
 R = 1909.45'
 S = 5.1%
 TL = 183'

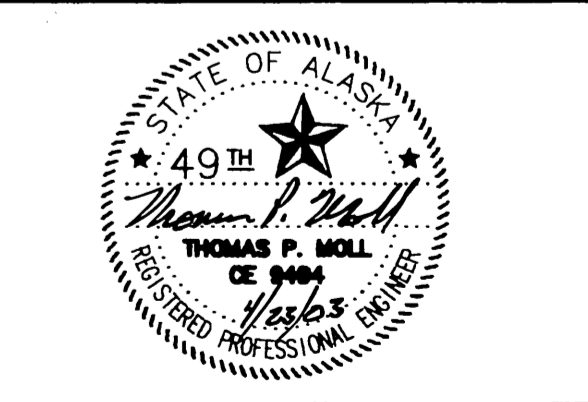
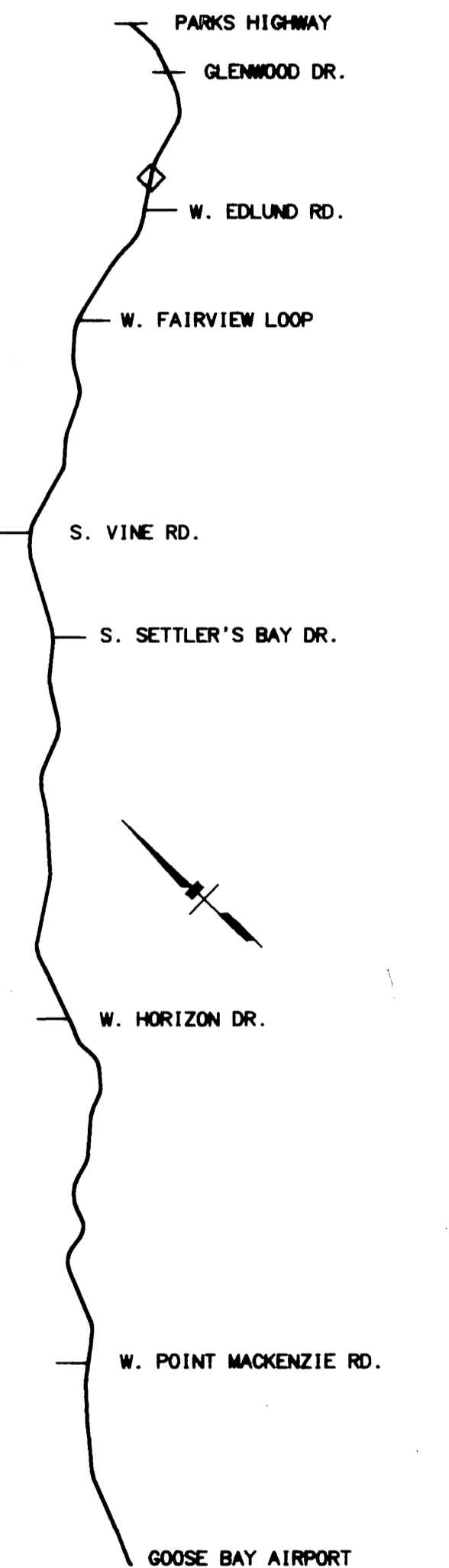
P.I. STA. 2062+62.34
 N = 138384.854
 E = 420055.650
 Δ = 16°45'05.0" LT.
 T = 117.79'
 L = 233.89'
 R = 800.00'

P.I. STA. 2066+18.33
 N = 138206.492
 E = 419745.620
 Δ = 08°16'24.0" LT.
 T = 14.10'
 L = 28.16'
 R = 195.00'



DESIGNED BY: []
 CHECKED BY: []
 DRAFTED BY: []
 DATE: 02/21/2003
 VIEW: F9
 SPECIFICATIONS: []
 SCALE: 1"=50'
 COMPUTER DESIGNATION: []
 XREFS: BASE_KBR.DWG, PROF_KBR.DWG, MAP_SIDE.DWG, AUTOCAD-PATH/KANASSA-53922R-PANDP-KBR.DWG

SHEET NO.	TOTAL SHEETS	
F10	F65	
STATE	YEAR	
ALASKA	2003	
PROJECT DESIGNATION		
CA-0525(11)/53922		
ADDENDUM NO.		
ATTACHMENT NO.		
REVISIONS		
NO.	DATE	DESCRIPTION



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

**KNIK-GOOSE BAY ROAD
REHABILITATION
AND PATHWAY**

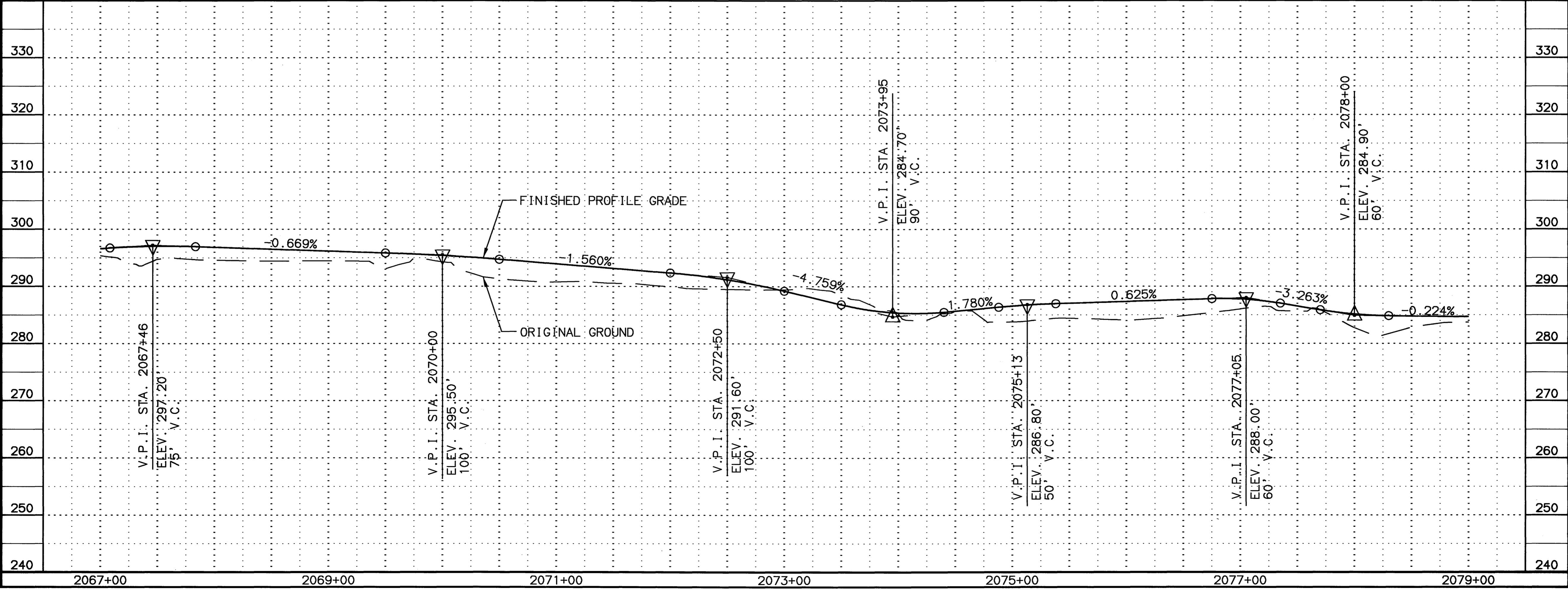
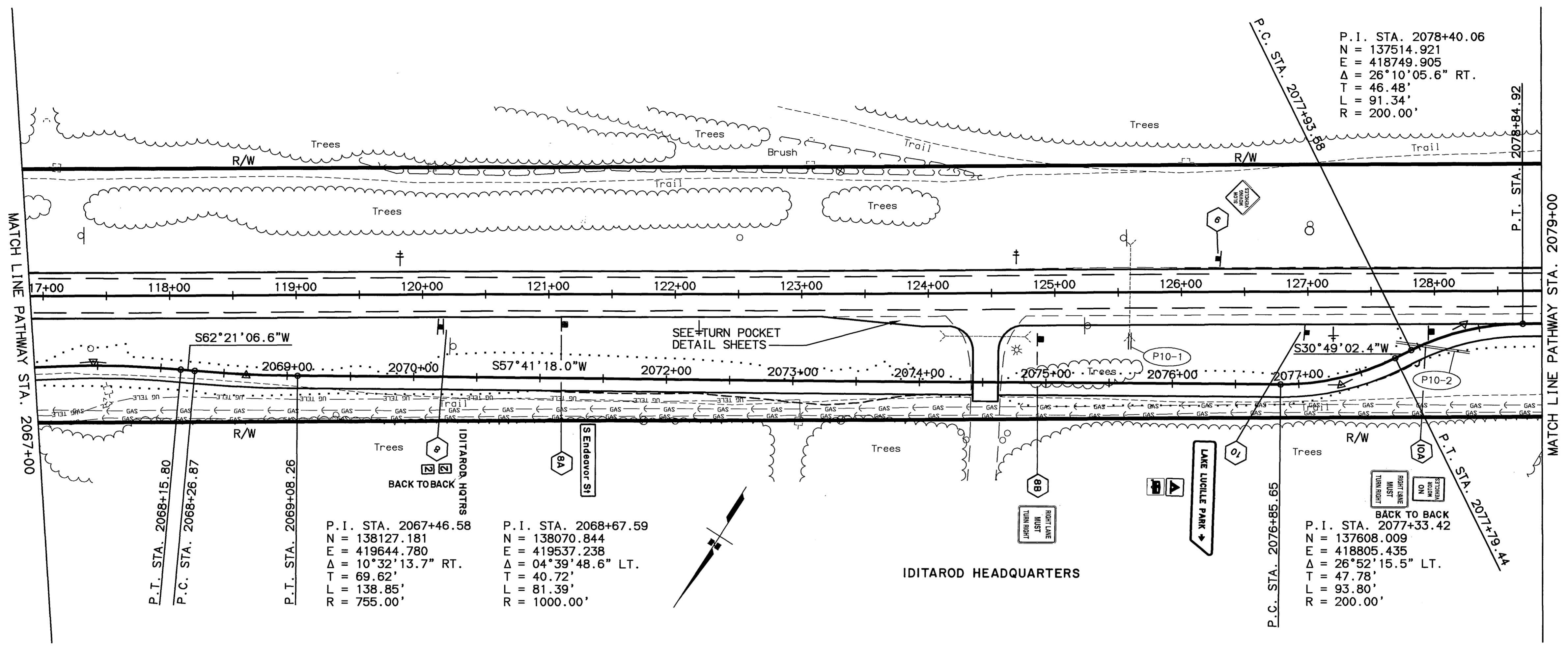
PATHWAY
PLAN AND PROFILE

P.I. STA. 2078+40.06
N = 137514.921
E = 418749.905
Δ = 26°10'05.6" RT.
T = 46.48'
L = 91.34'
R = 200.00'

BACK TO BACK
P.I. STA. 2077+33.42
N = 137608.009
E = 418805.435
Δ = 26°52'15.5" LT.
T = 47.78'
L = 93.80'
R = 200.00'

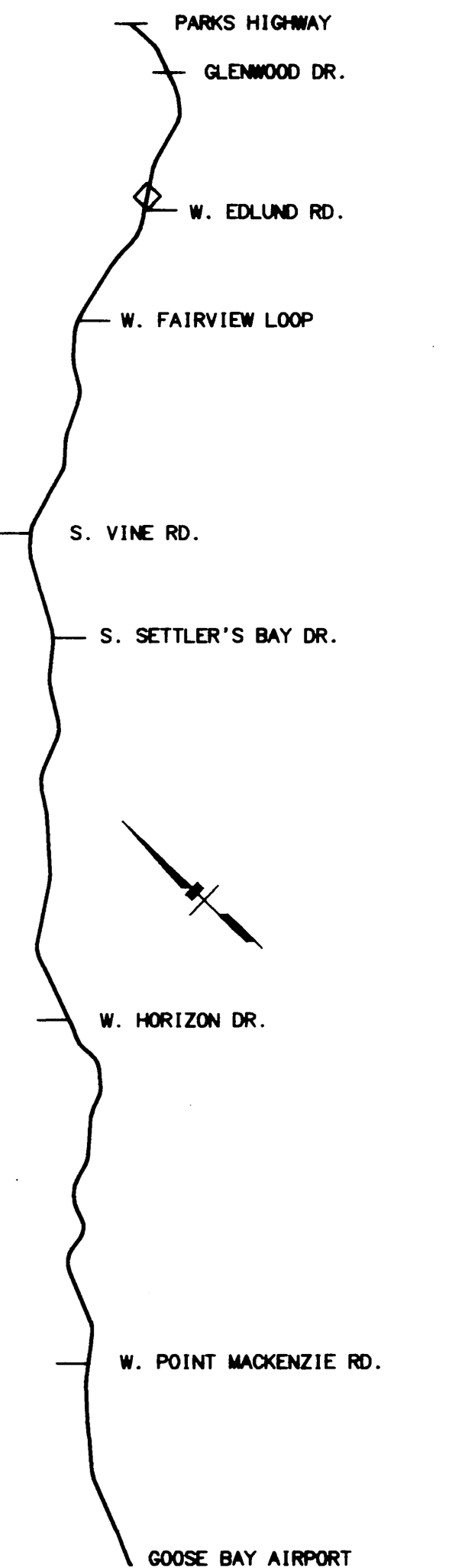
P.I. STA. 2067+46.58
N = 138127.181
E = 419644.780
Δ = 10°32'13.7" RT.
T = 69.62'
L = 138.85'
R = 755.00'

P.I. STA. 2068+67.59
N = 138070.844
E = 419537.238
Δ = 04°39'48.6" LT.
T = 40.72'
L = 81.39'
R = 1000.00'



SPECIFICATIONS: XREFS: BASE: KCB DWG. PROJ: KCB DWG. MAP: SIDE DWG. AUTOCAD: PLOT/ANALYSIS: B2222/PANDP. JOB DWG. SCALE: 1"=50'. COMPUTER DESIGNATION: VIEW: F10. DESIGNED BY: R/V/S. CHECKED BY: R/V/S. DRAFTED BY: R/V/S. DATE: 02/21/2003.

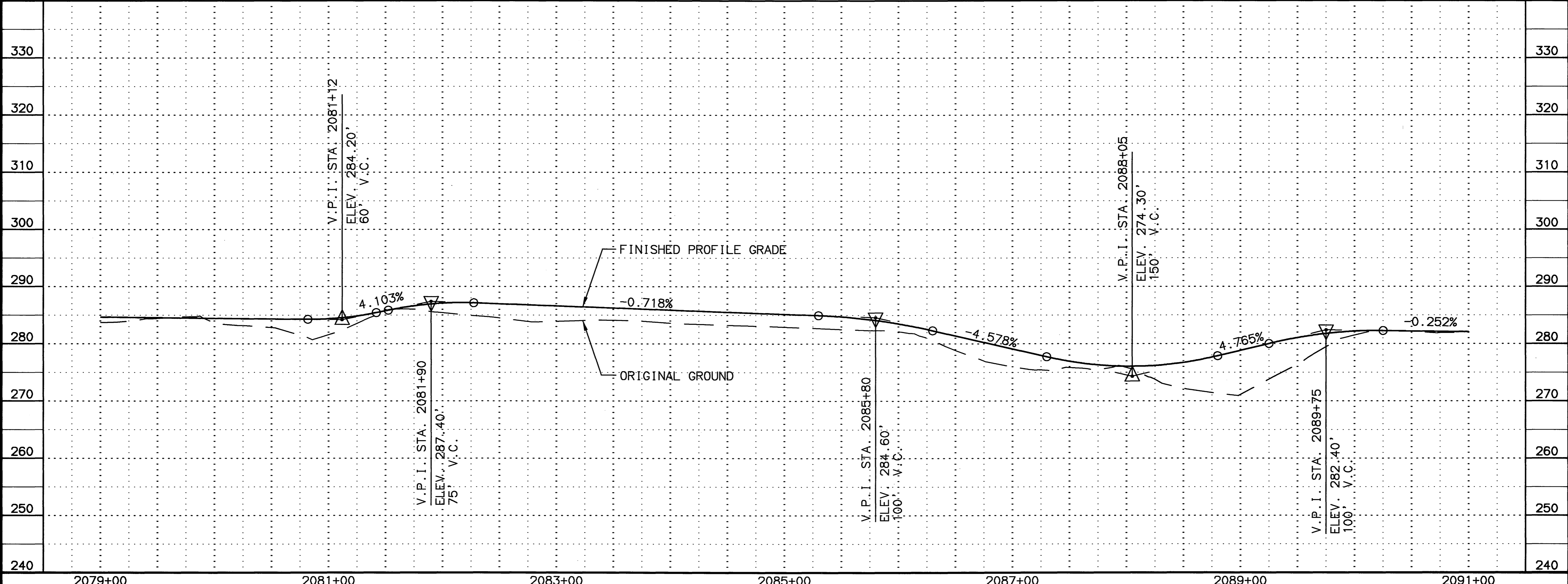
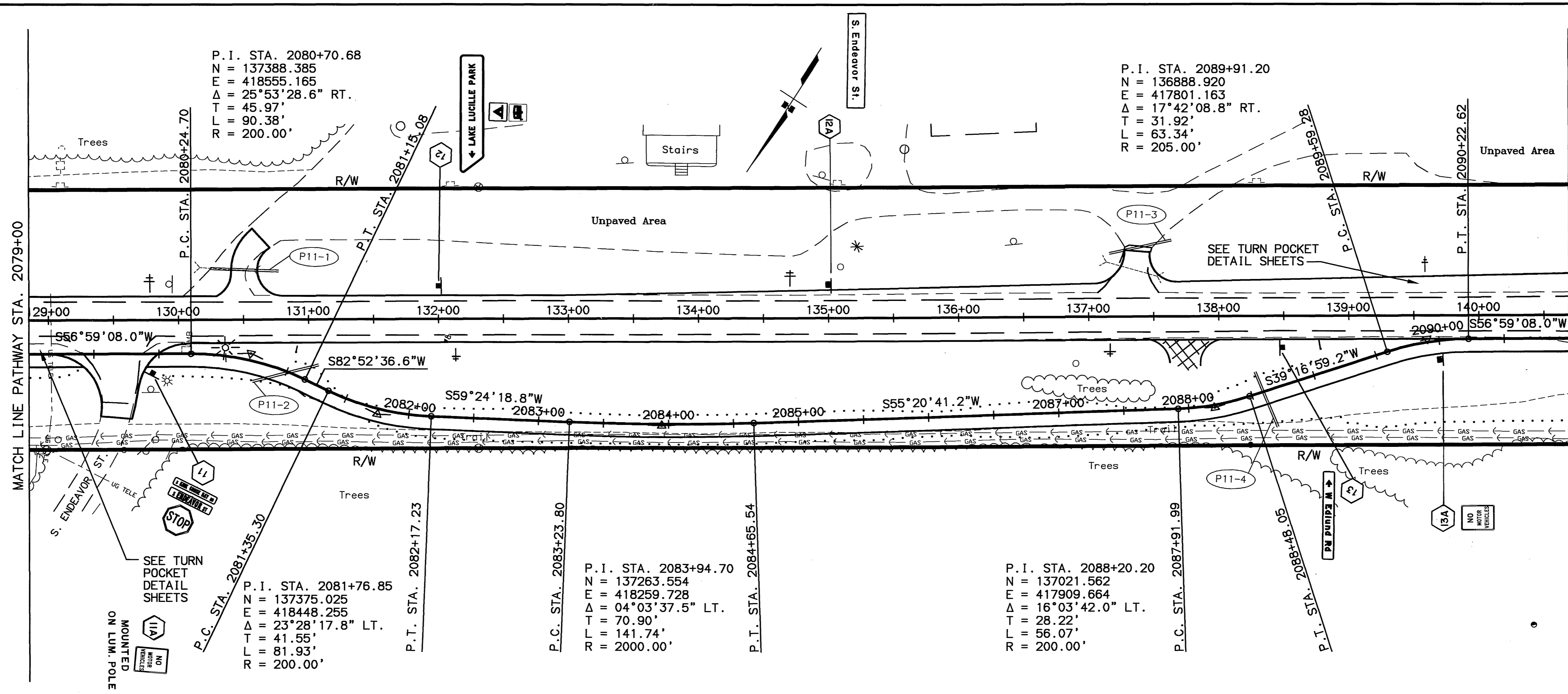
SHEET NO.	TOTAL SHEETS	
F11	F65	
STATE	YEAR	
ALASKA	2003	
PROJECT DESIGNATION		
CA-0525(11)/53922		
ADDENDUM NO.		
ATTACHMENT NO.		
REVISIONS		
NO.	DATE	DESCRIPTION



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES

**KNIK-GOOSE BAY ROAD
 REHABILITATION
 AND PATHWAY**

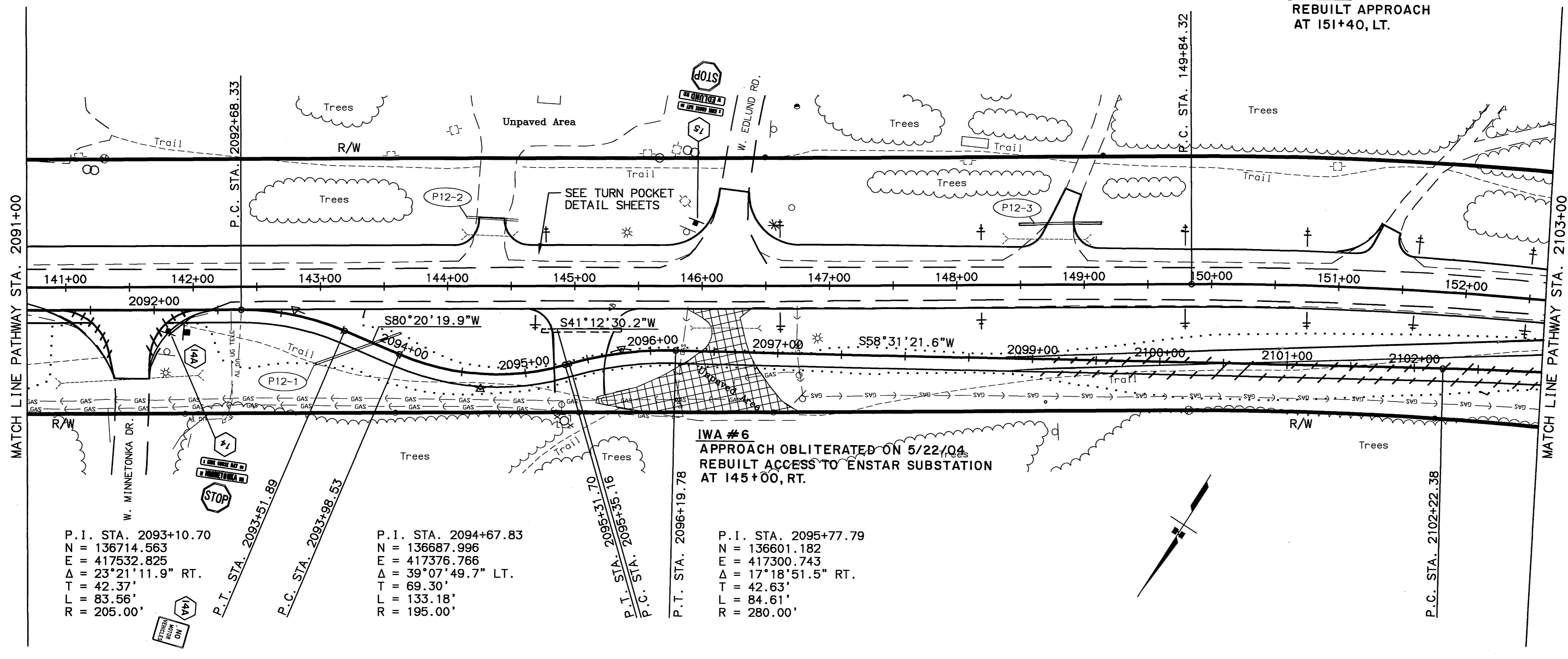
PATHWAY
 PLAN AND PROFILE



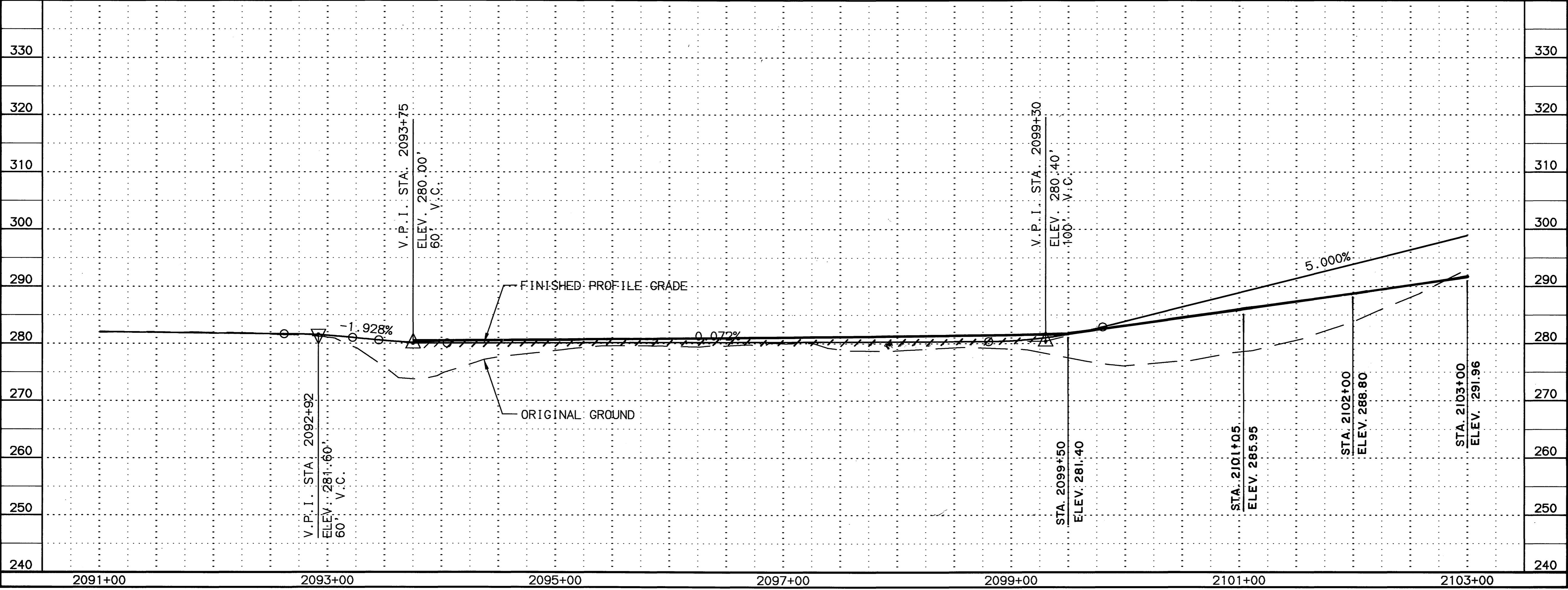
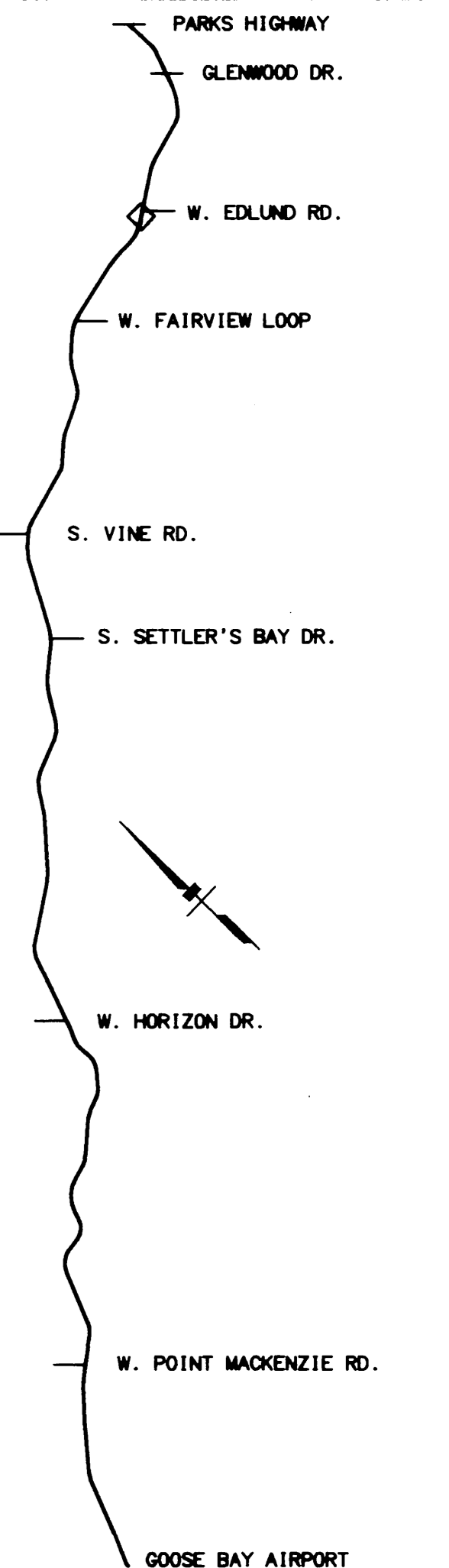
SPECIFICATIONS: XREFS: BASE: KGB.DWG, PROF: KGB.DWG, MAP: SIDE.DWG, AUTOCAD: P11/PLANES/53922/P11.DWG, KGB.DWG
 SCALE: 1"=50'
 COMPUTER DESIGNATION: VIEW: F11
 DESIGNED BY: R/V/S
 CHECKED BY:
 DRAFTED BY: 03/27/2003

IWA #6
REBUILT APPROACH
AT 151+40, LT.

SHEET NO.	TOTAL SHEETS	
F12	F65	
STATE	YEAR	
ALASKA	2003	
PROJECT DESIGNATION		
CA-0525(11)/53922		
ADDENDUM NO.		
ATTACHMENT NO.		
REVISIONS		
NO.	DATE	DESCRIPTION



P.I. STA. 2093+10.70
 N = 136714.563
 E = 417532.825
 $\Delta = 23^\circ 21' 11.9''$ RT.
 T = 42.37'
 L = 83.56'
 R = 205.00'
 P.T. STA. 2093+51.89
 P.C. STA. 2093+98.53
 P.I. STA. 2094+67.83
 N = 136687.996
 E = 417376.766
 $\Delta = 39^\circ 07' 49.7''$ LT.
 T = 69.30'
 L = 133.18'
 R = 195.00'
 P.T. STA. 2095+31.70
 P.C. STA. 2095+35.16
 P.T. STA. 2096+19.78
 P.I. STA. 2095+77.79
 N = 136601.182
 E = 417300.743
 $\Delta = 17^\circ 18' 51.5''$ RT.
 T = 42.63'
 L = 84.61'
 R = 280.00'



STATE OF ALASKA
49th
THOMAS P. MOLL
REGISTERED PROFESSIONAL ENGINEER
1993

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

**KNIK-GOOSE BAY ROAD
REHABILITATION
AND PATHWAY**

PATHWAY
PLAN AND PROFILE

SPECIFICATIONS: XREFS: BASE: KOB DWG: PROF: GCB DWG: MAP: STD DWG: SCALE: 1"=40' COMPUTER DESIGNATION: AUTOCAD-PATHWAY/ANALYSIS-SUBSTRANP/AGE.DWG VIEW: F12
 DESIGNED BY: RLV/S
 CHECKED BY: RLV/S
 DRAFTED BY: RLV/S
 DATE: 03/31/2003

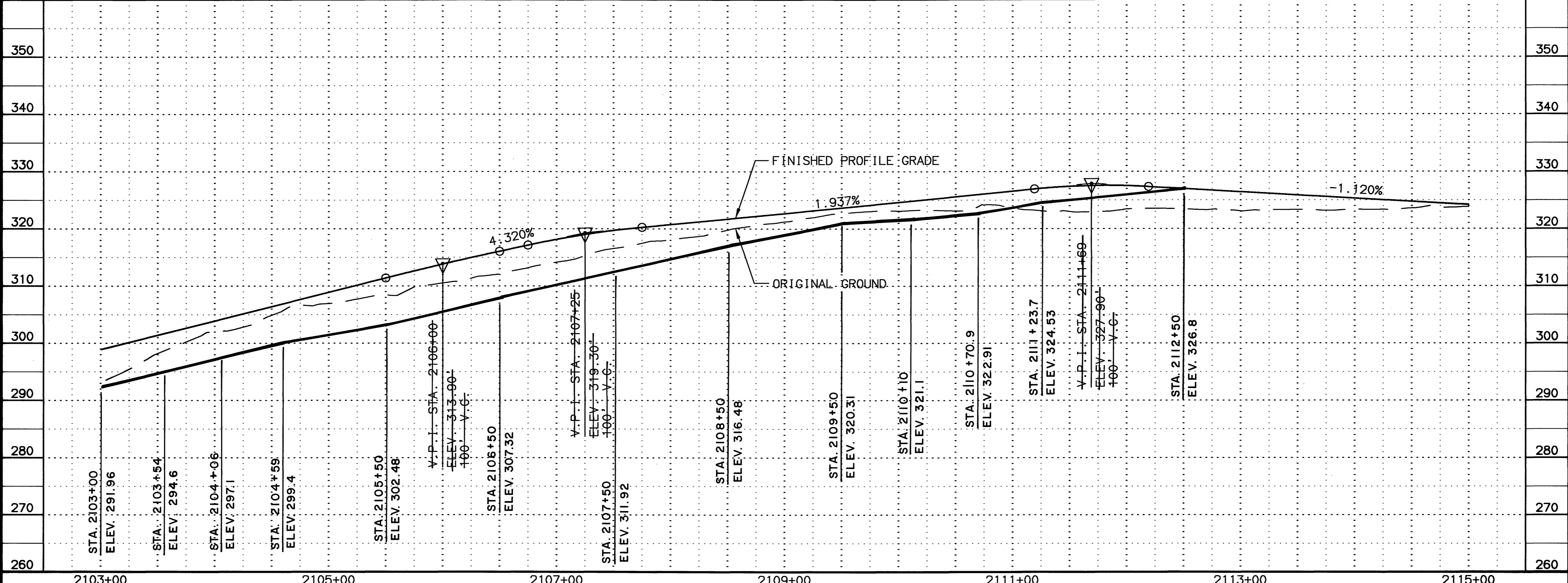
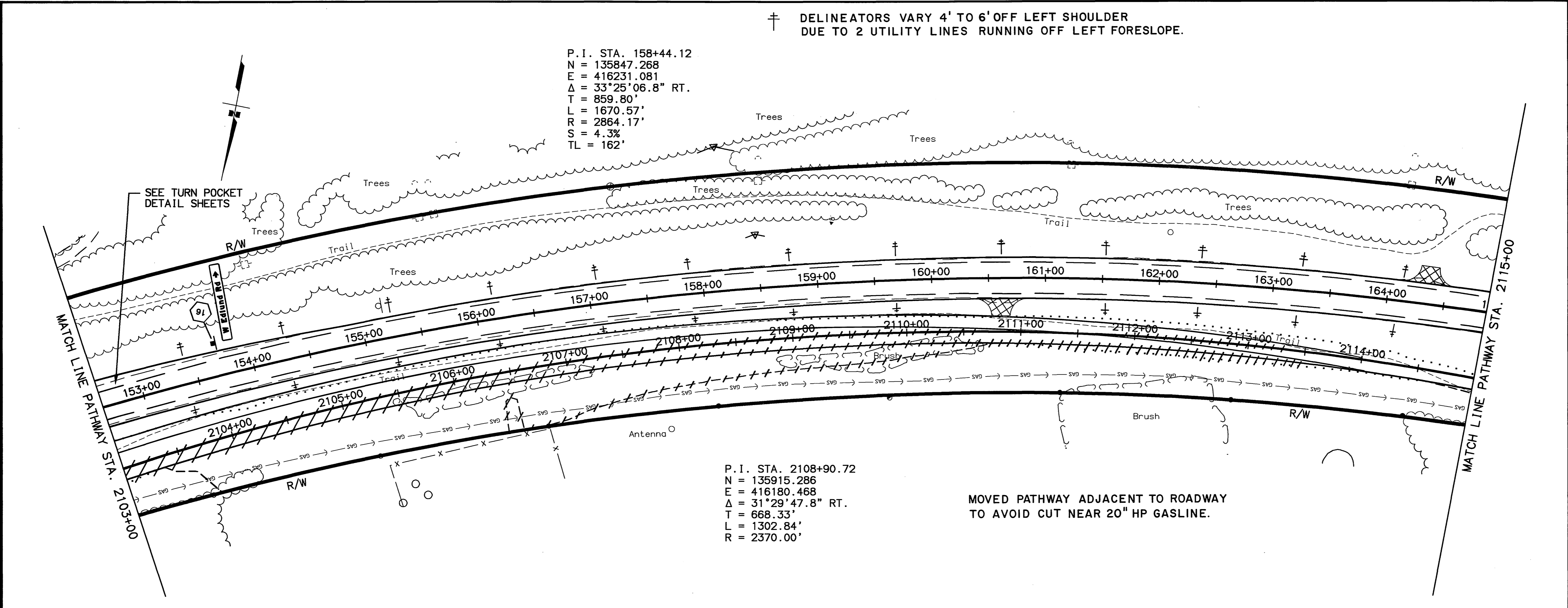
† DELINEATORS VARY 4' TO 6' OFF LEFT SHOULDER
DUE TO 2 UTILITY LINES RUNNING OFF LEFT FORESLOPE.

P.I. STA. 158+44.12
N = 135847.268
E = 416231.081
Δ = 33°25'06.8" RT.
T = 859.80'
L = 1670.57'
R = 2864.17'
S = 4.3%
TL = 162'

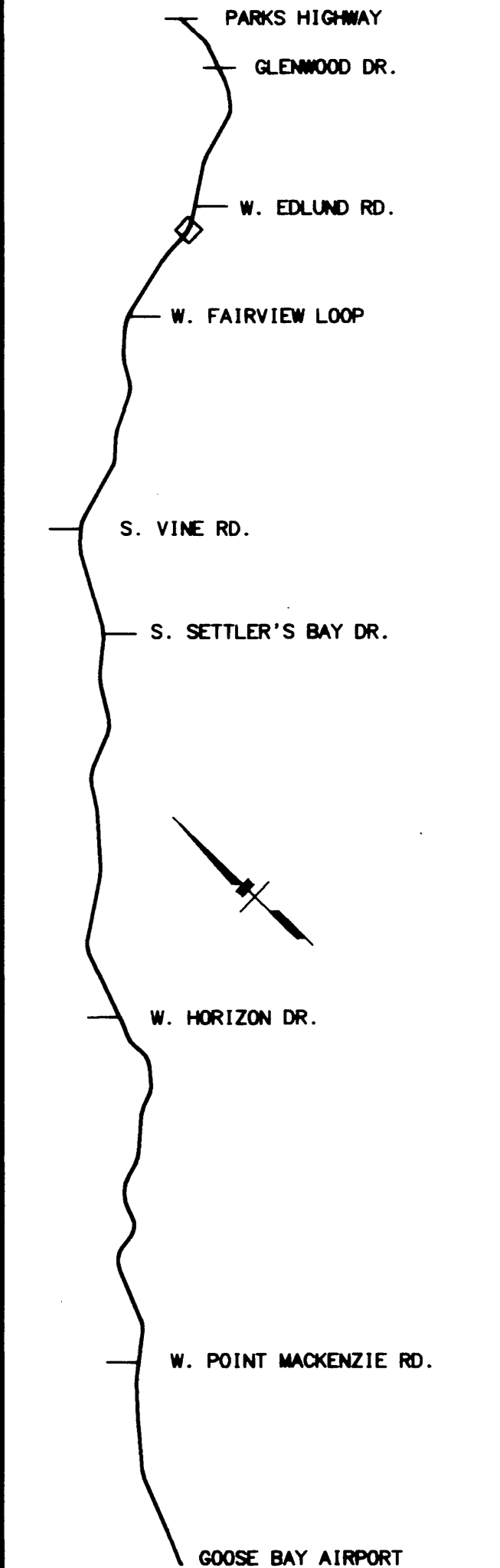
P.I. STA. 2108+90.72
N = 135915.286
E = 416180.468
Δ = 31°29'47.8" RT.
T = 668.33'
L = 1302.84'
R = 2370.00'

MOVED PATHWAY ADJACENT TO ROADWAY
TO AVOID CUT NEAR 20" HP GASLINE.

SPECIFICATIONS: XREFS: BASE: KGB.DWG, PROF: KGB.DWG, MAP: SIDE.DWG, AUTO: CAD-PATHWAY/ANALYSIS-332223.PLOT, KGB.DWG
 SCALE: 1"=50' COMPUTER DESIGNATION: VIEW: F13
 DESIGNED BY: R/L/VS
 CHECKED BY:
 DRAFTED BY:



SHEET NO.	TOTAL SHEETS	
F13	F65	
STATE	YEAR	
ALASKA	2003	
PROJECT DESIGNATION		
CA-0525(11)/53922		
ADDENDUM NO.		
ATTACHMENT NO.		
REVISIONS		
NO.	DATE	DESCRIPTION

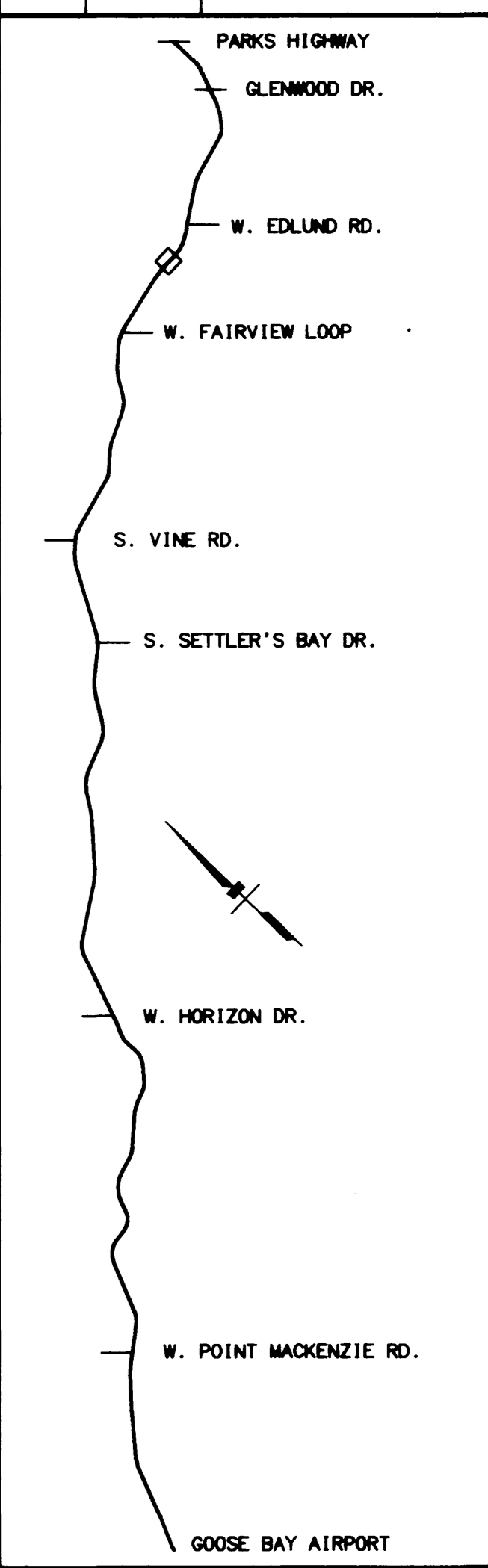


STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

**KNIK-GOOSE BAY ROAD
REHABILITATION
AND PATHWAY**

PATHWAY
PLAN AND PROFILE

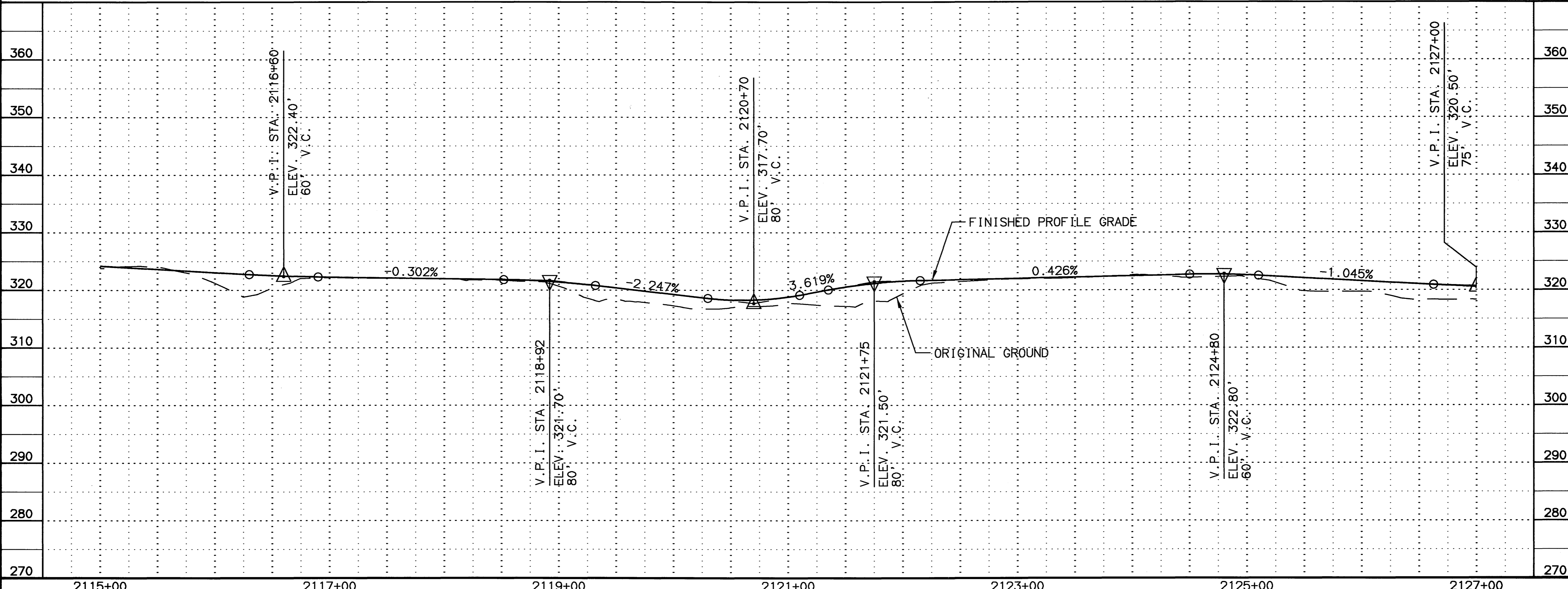
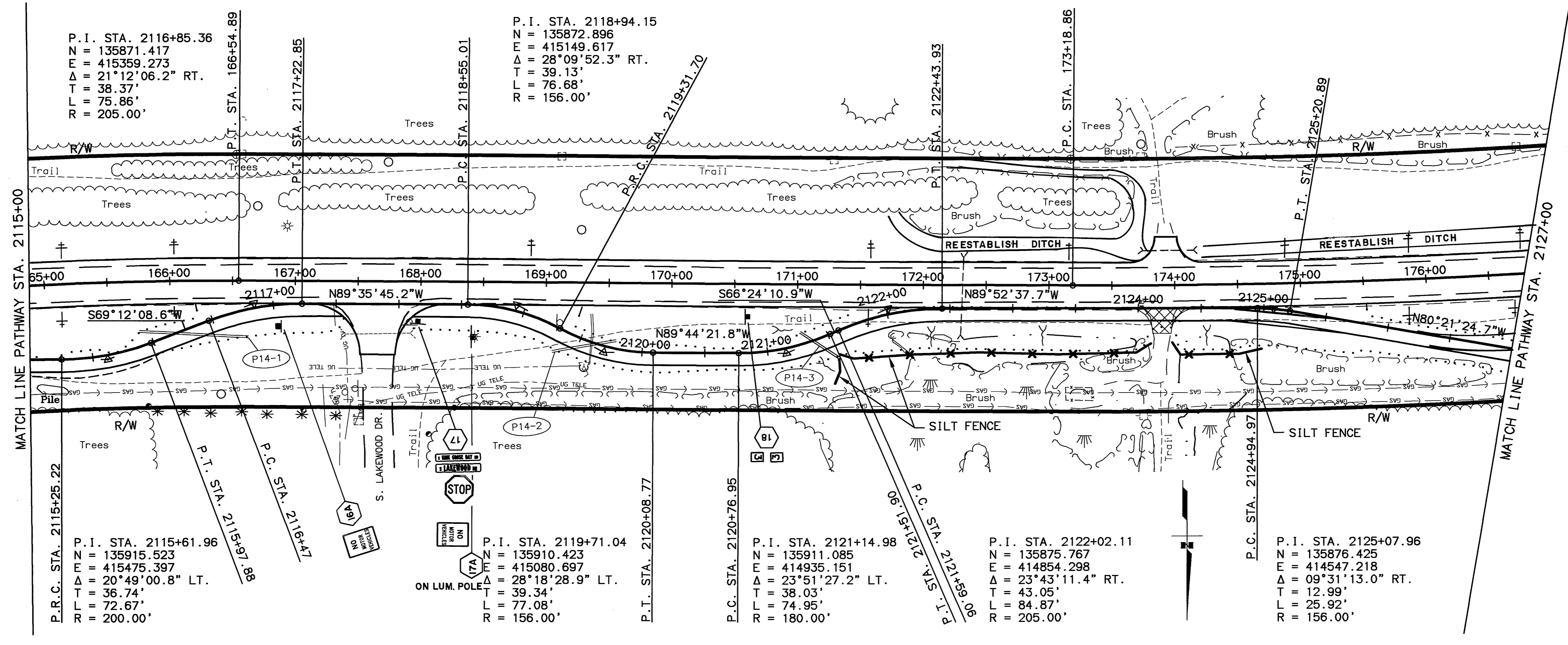
SHEET NO.	TOTAL SHEETS	
F14	F65	
STATE	YEAR	
ALASKA	2003	
PROJECT DESIGNATION		
CA-0525(11)/53922		
ADDENDUM NO.		
ATTACHMENT NO.		
REVISIONS		
NO.	DATE	DESCRIPTION



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES

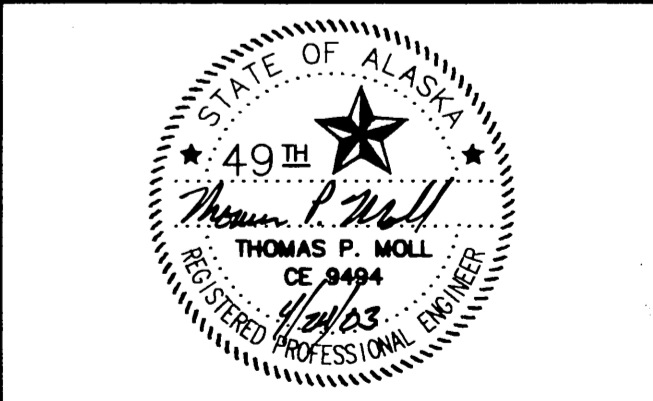
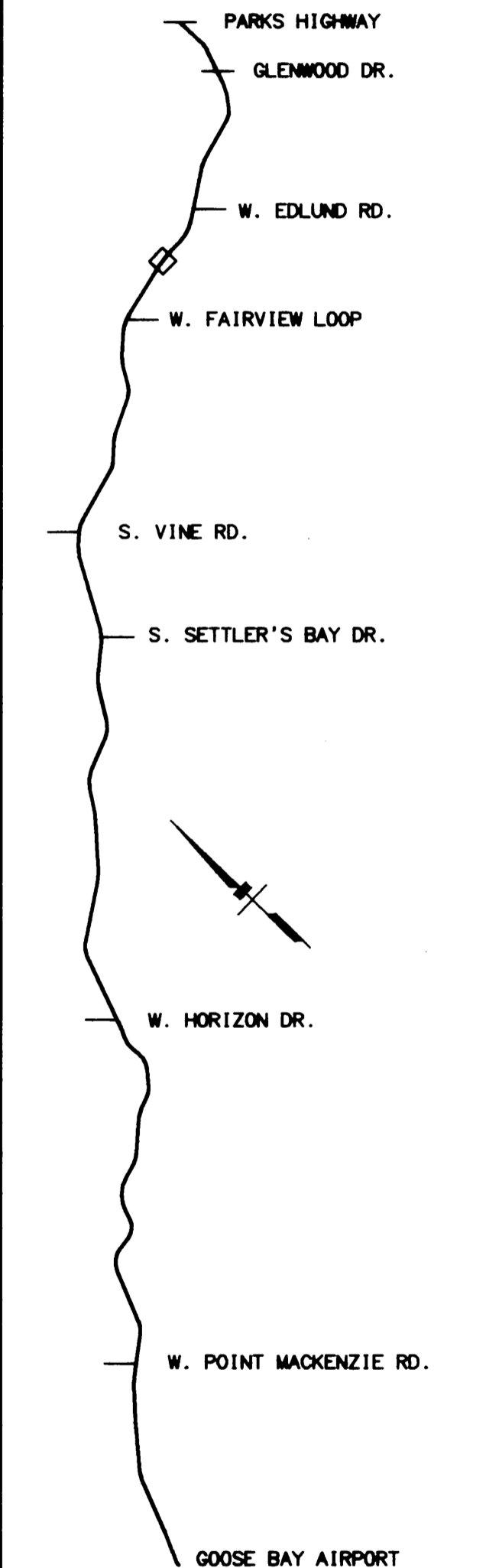
**KNIK-GOOSE BAY ROAD
 REHABILITATION
 AND PATHWAY**

PATHWAY
 PLAN AND PROFILE



SPECIFICATIONS: XREFS: BASE KGB DWG, PRRS: KGB DWG, MAP SIDE DWG, SCALE: 1"=40', COMPUTER DESIGNATION: AUTOCAD-PATH/ANALYSIS-3322333-RANDY_KGB.DWG, VIEW: F14, 04/01/2003, DESIGNED BY: R/V/S, CHECKED BY: R/V/S, DRAFTED BY: R/V/S

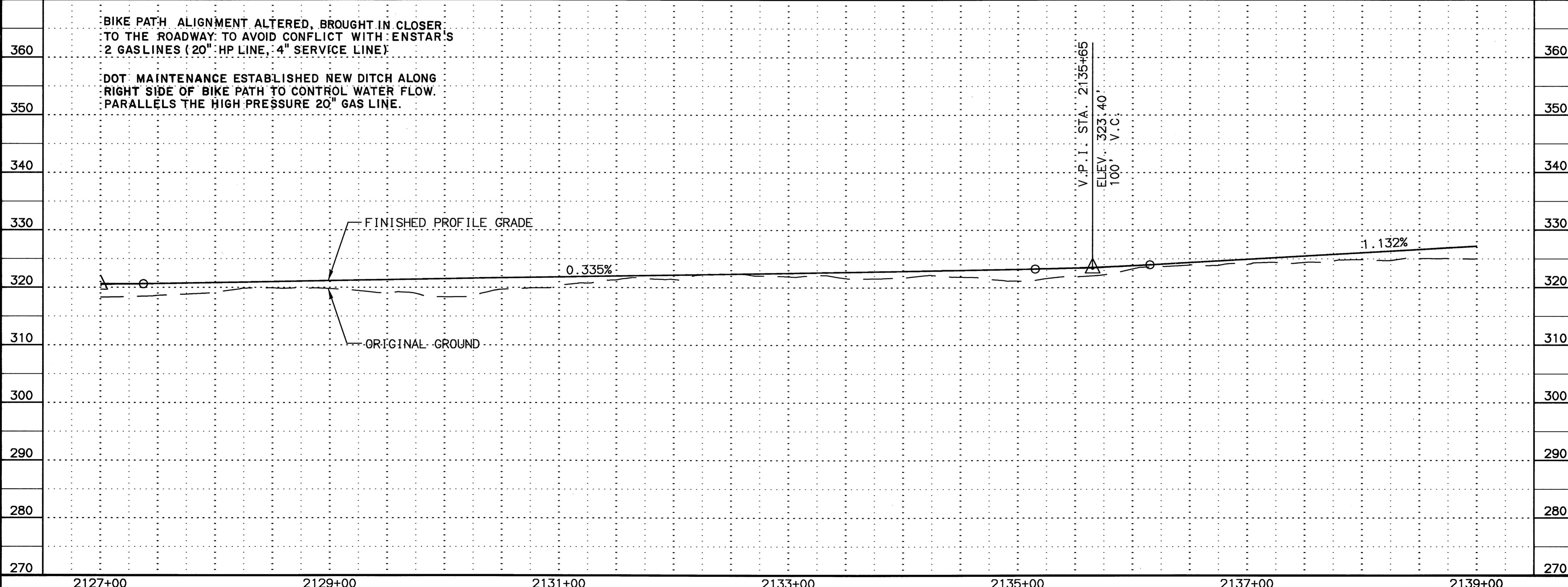
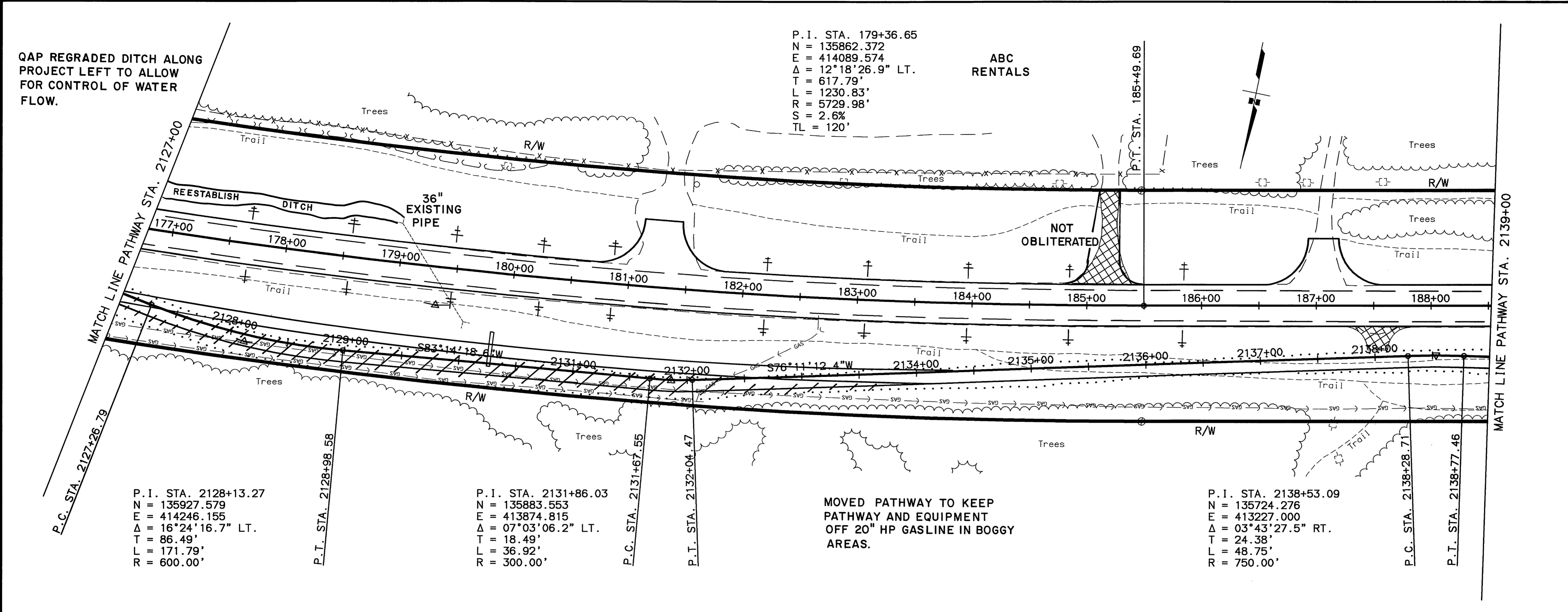
SHEET NO.	TOTAL SHEETS	
F15	F65	
STATE	YEAR	
ALASKA	2003	
PROJECT DESIGNATION		
CA-0525(11)/53922		
ADDENDUM NO.		
ATTACHMENT NO.		
REVISIONS		
NO.	DATE	DESCRIPTION



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES

**KNIK-GOOSE BAY ROAD
 REHABILITATION
 AND PATHWAY**

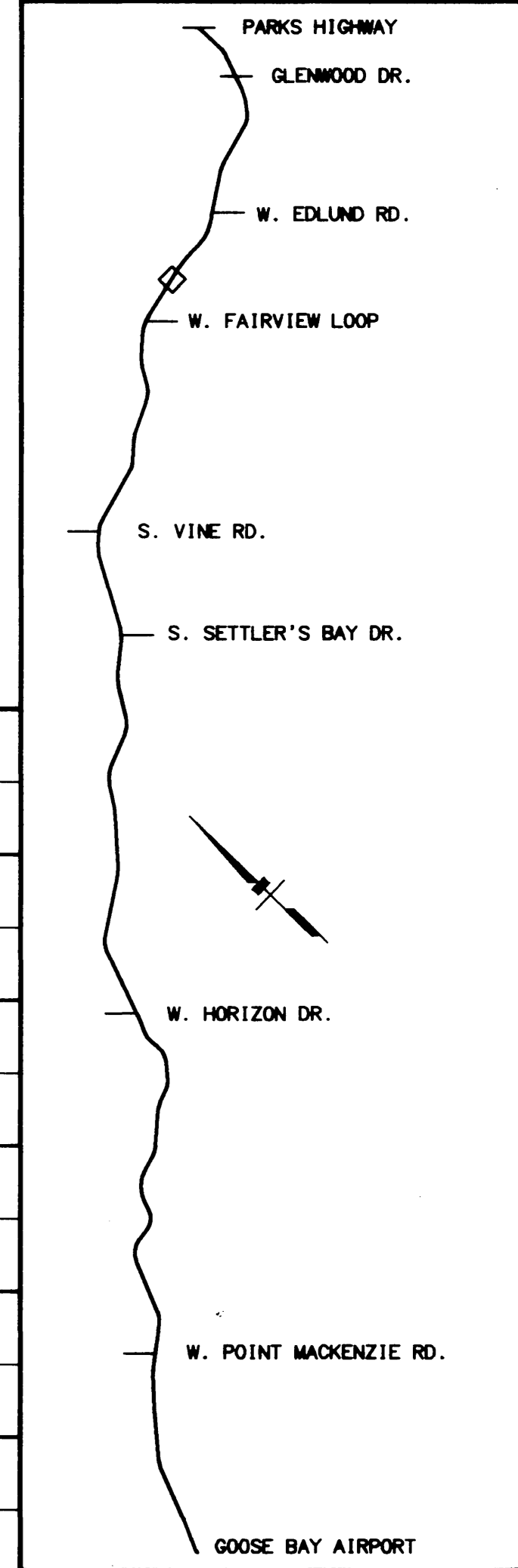
PATHWAY
 PLAN AND PROFILE



DESIGNED BY: [blank] DATE: 04/01/2003
 CHECKED BY: [blank]
 DRAWN BY: [blank]
 SCALE: 1" = 40'
 COMPUTER DESIGNATION: VIEW: F15
 SHEETS: BASE, KOB, DWG, PROF, GCB, DWG, MAP, SIDE, DWG
 AUTOCAD-PATHWAY/KNIK-53922/2003/04/01/2003

2127+00 2129+00 2131+00 2133+00 2135+00 2137+00 2139+00

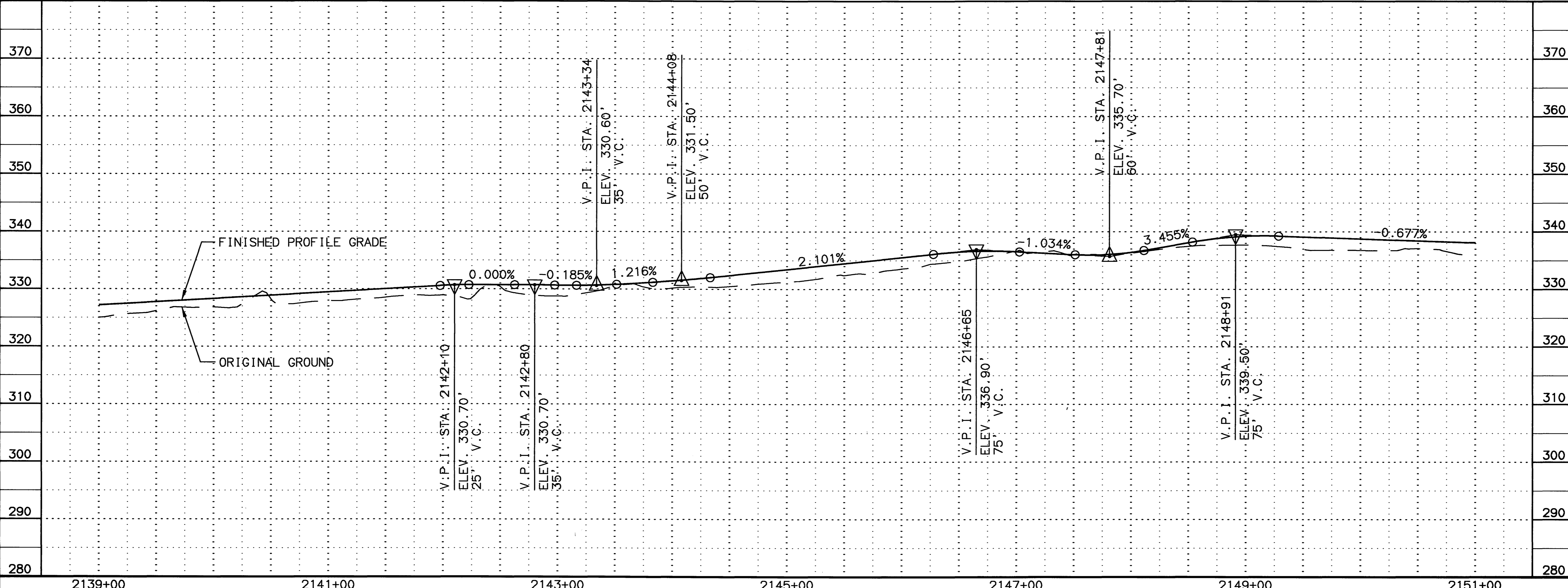
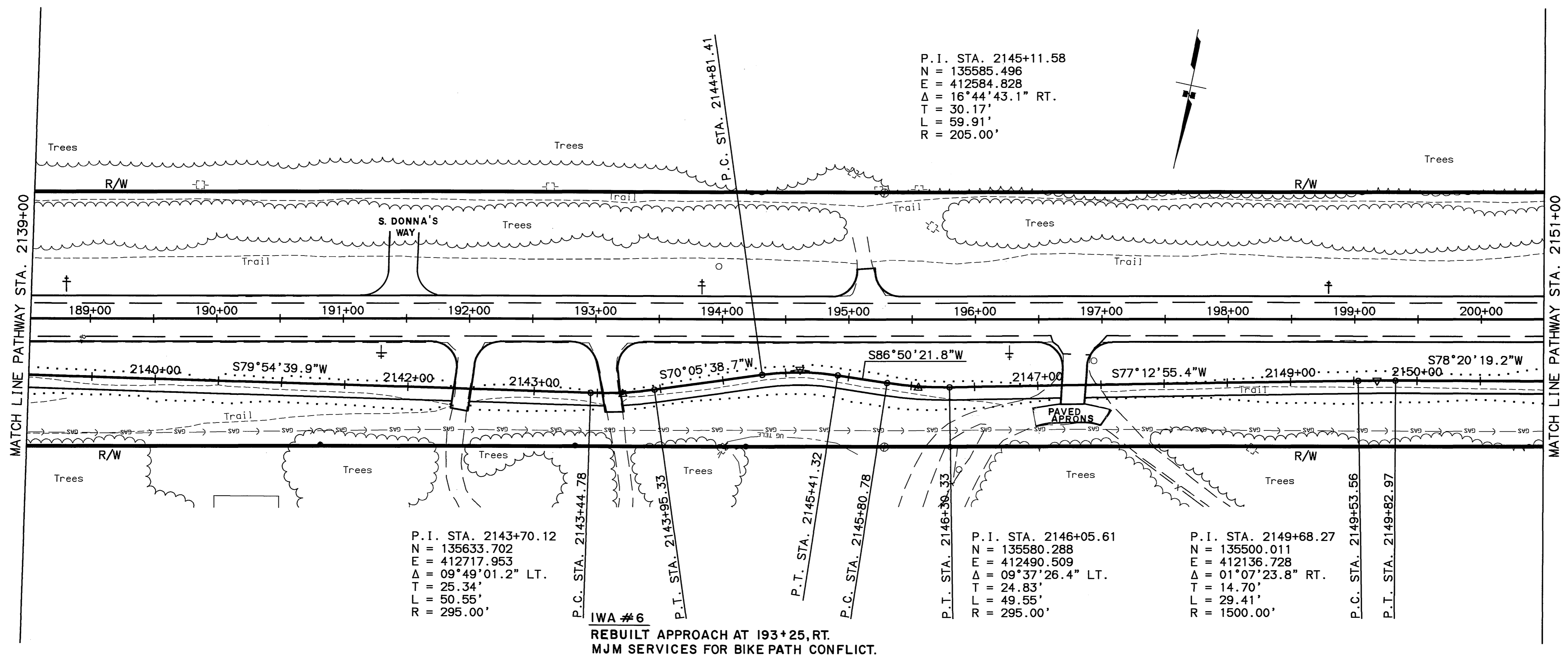
SHEET NO.	TOTAL SHEETS	
F16	F65	
STATE	YEAR	
ALASKA	2003	
PROJECT DESIGNATION		
CA-0525(11)/53922		
ADDENDUM NO.		
ATTACHMENT NO.		
REVISIONS		
NO.	DATE	DESCRIPTION



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES

**KNIK-GOOSE BAY ROAD
 REHABILITATION
 AND PATHWAY**

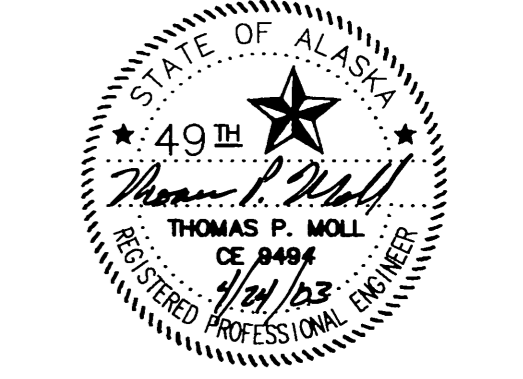
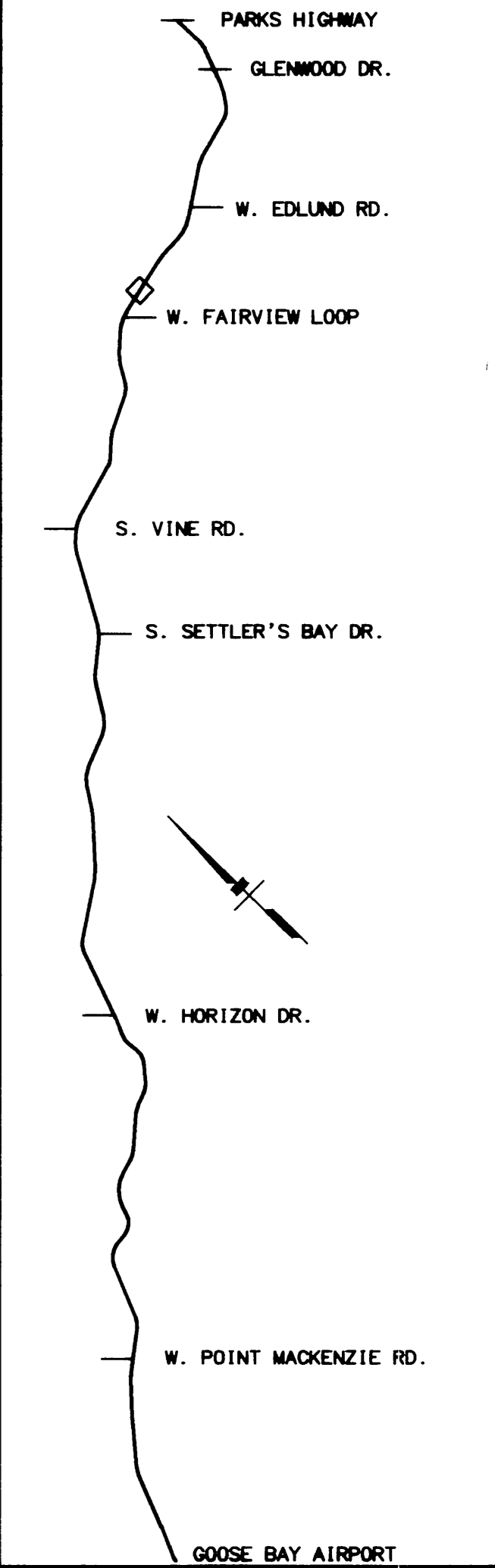
PATHWAY
 PLAN AND PROFILE



SPECIFICATIONS: XREFS: BASE, KGR, DWG., PROF, KGB, DWG., MAP, SIDE, DWG., AUTOCAD-PLOT, W/ANESSA-53922CA-PANDP, KGB, DWG., SCALE: 1"=40', COMPUTER DESIGNATION: VIEW: F16, DESIGNED BY: P.L.V.S., CHECKED BY: P.L.V.S., DRAFTED BY: P.L.V.S., 04/07/2003

SHEET NO.	TOTAL SHEETS
F17	F65
STATE	YEAR
ALASKA	2003
PROJECT DESIGNATION	
CA-0525(11)/53922	
ADDENDUM NO.	
ATTACHMENT NO.	

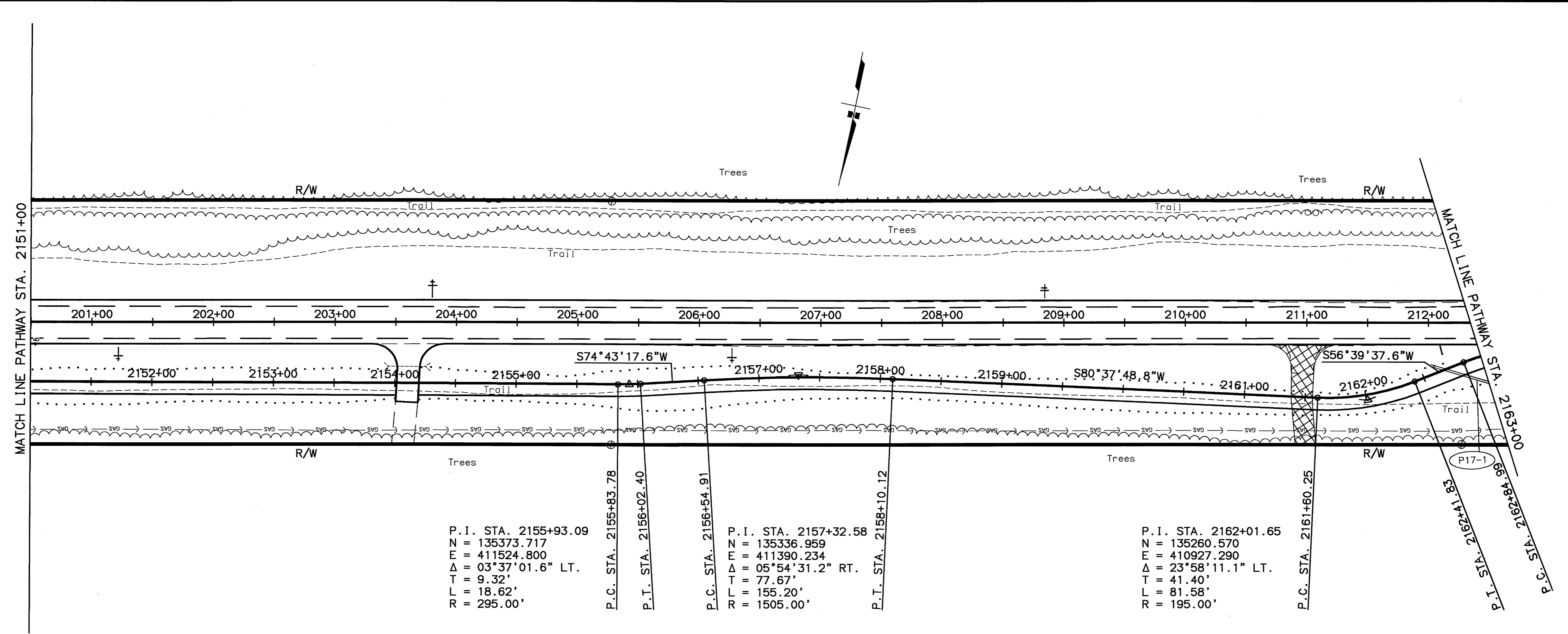
REVISIONS		
NO.	DATE	DESCRIPTION



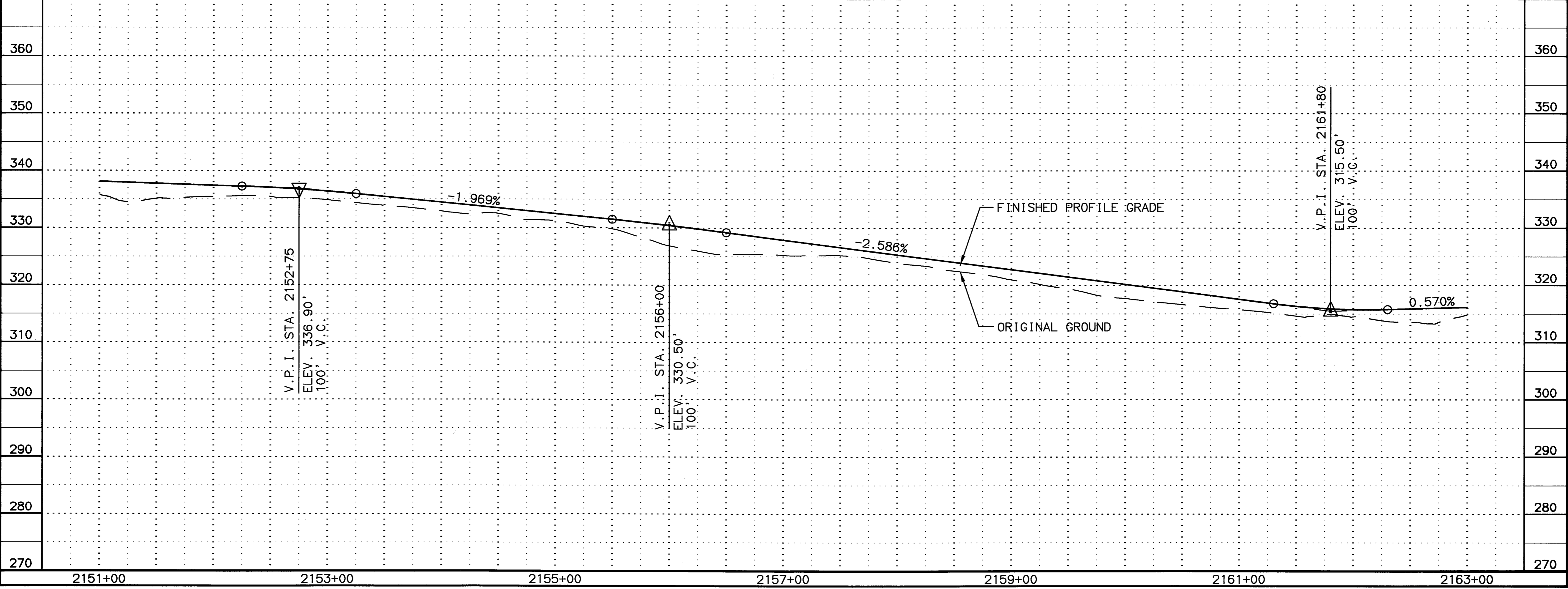
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

**KNIK-GOOSE BAY ROAD
REHABILITATION
AND PATHWAY**

PATHWAY
PLAN AND PROFILE

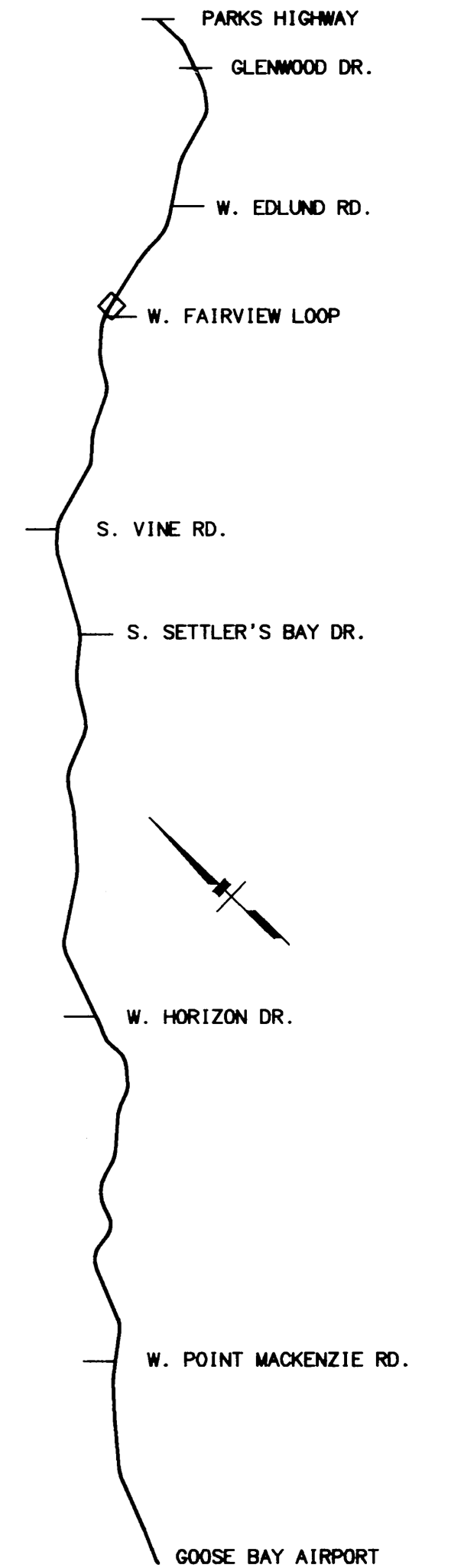


P.I. STA. 2155+93.09 N = 135373.717 E = 411524.800 $\Delta = 03^{\circ}37'01.6''$ LT. T = 9.32' L = 18.62' R = 295.00'	P.C. STA. 2155+83.78 P.T. STA. 2156+02.40 P.C. STA. 2156+54.91	P.I. STA. 2157+32.58 N = 135336.959 E = 411390.234 $\Delta = 05^{\circ}54'31.2''$ RT. T = 77.67' L = 155.20' R = 1505.00'	P.I. STA. 2162+01.65 N = 135260.570 E = 410927.290 $\Delta = 23^{\circ}58'11.1''$ LT. T = 41.40' L = 81.58' R = 195.00'	P.C. STA. 2161+60.25
--	--	---	---	----------------------



SPECIFICATIONS: XREFS: BASE: KGB.DWG, PROF: KGB.DWG, MAP: SIDE.DWG, SCALE: 1"=40', COMPUTER DESIGNATION: AUTOCAD-PATH/ANESSA-SBZ233A.PANIP.KGB.DWG, VIEW: F17, DESIGNED BY: RZ/AS, DRAFTED BY: RZ/AS, DATE: 04/01/2003

SHEET NO.	TOTAL SHEETS	
F18	F65	
STATE	YEAR	
ALASKA	2003	
PROJECT DESIGNATION		
CA-0525(11)/53922		
ADDENDUM NO.		
ATTACHMENT NO.		
REVISIONS		
NO.	DATE	DESCRIPTION

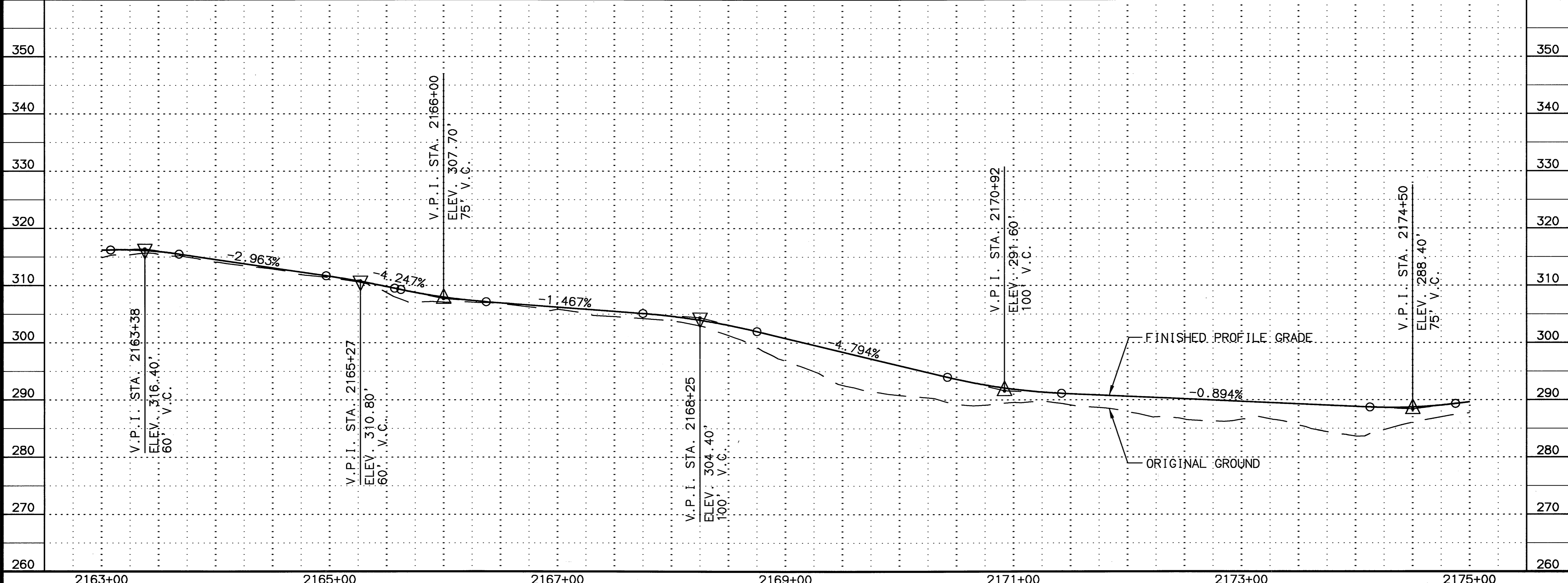
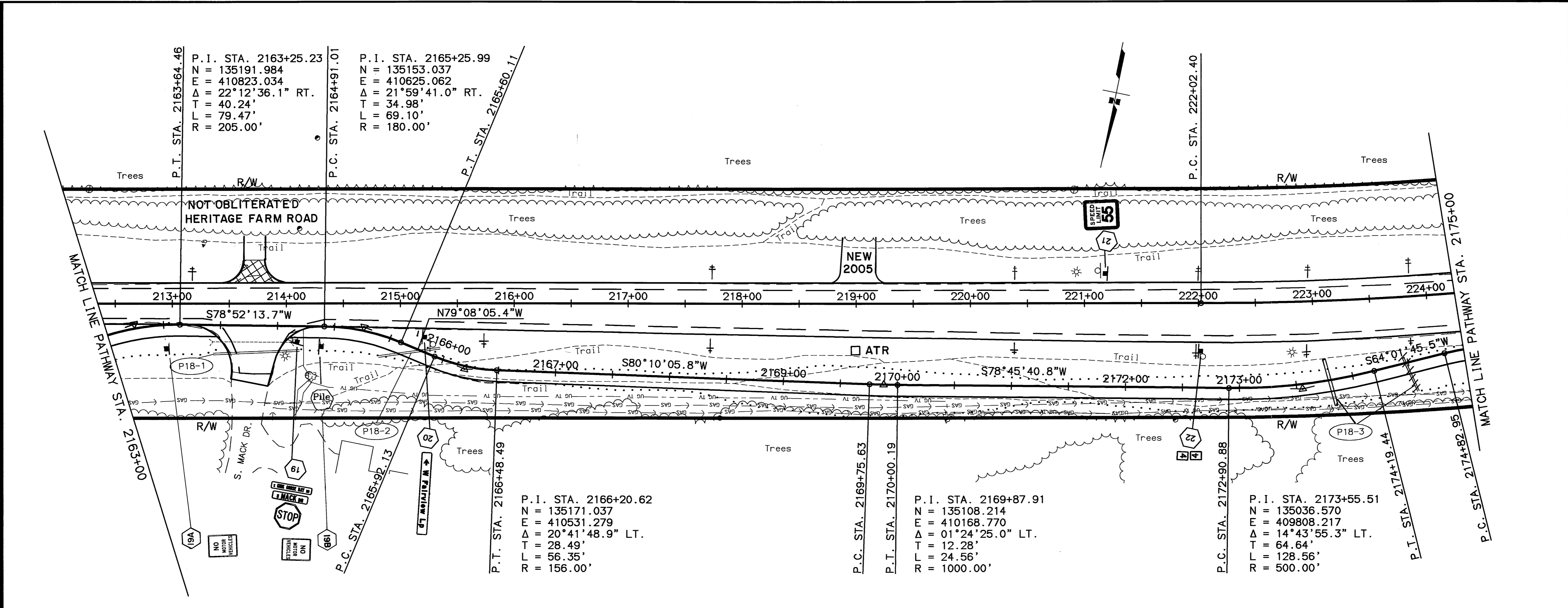


STATE OF ALASKA
 49th
 THOMAS P. MOLL
 CE 8494
 REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES

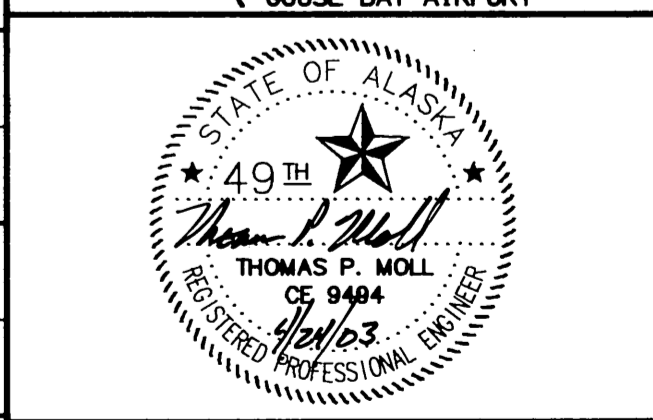
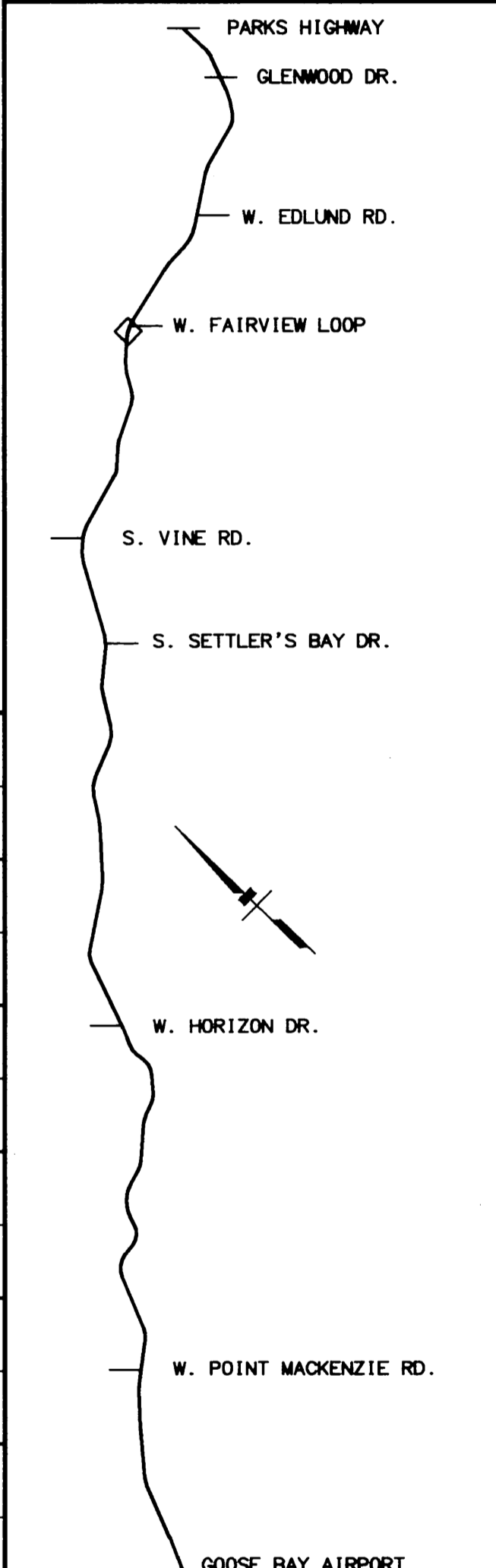
**KNIK-GOOSE BAY ROAD
 REHABILITATION
 AND PATHWAY**

PATHWAY
 PLAN AND PROFILE



SPECIFICATIONS: XREFS: BASE JOB DWG., PROF. JOB DWG., MAP SIDE DWG. AUTOCAD: PATTI/ANESSA-SB222R/PA00P-JOB.DWG. VIEW: F18
 SCALE: 1"=40' COMPUTER DESIGNATION: F/L/V/S
 DESIGNED BY: CHECKED BY: DRAFTED BY: 04/01/2003

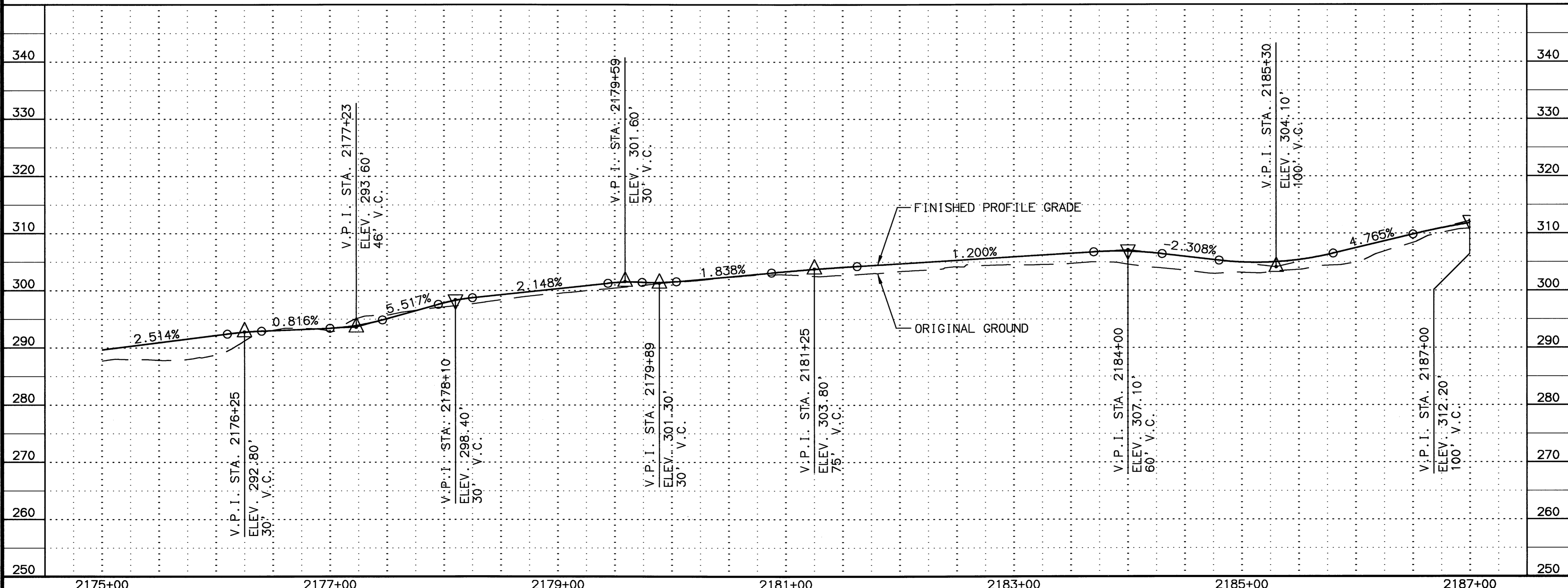
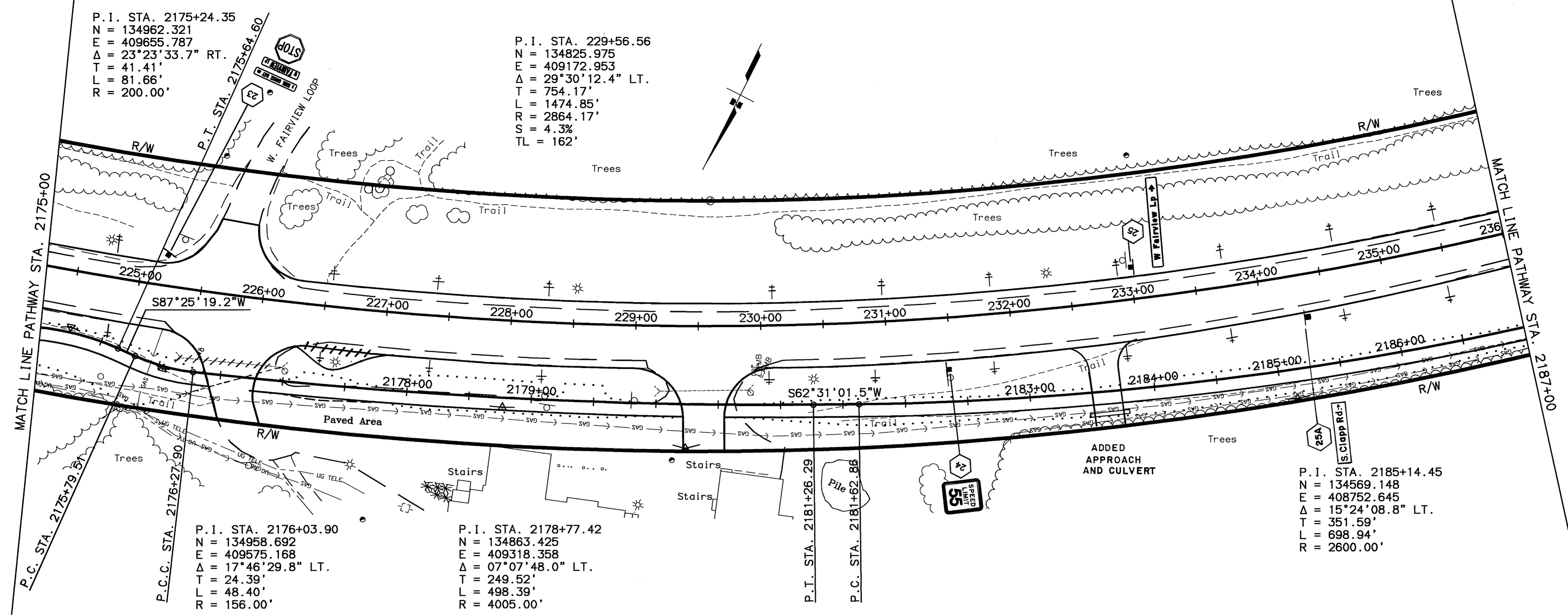
SHEET NO.	TOTAL SHEETS	
F19	F65	
STATE	YEAR	
ALASKA	2003	
PROJECT DESIGNATION		
CA-0525(11)/53922		
ADDENDUM NO.		
ATTACHMENT NO.		
REVISIONS		
NO.	DATE	DESCRIPTION



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

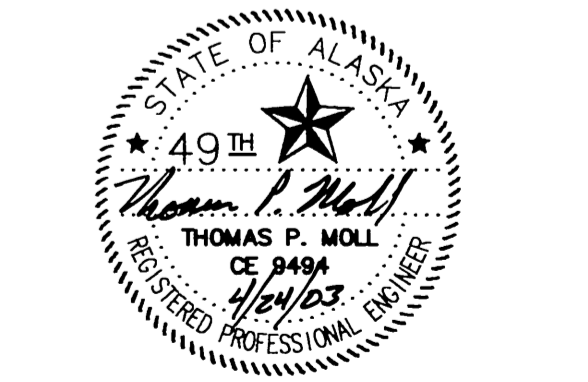
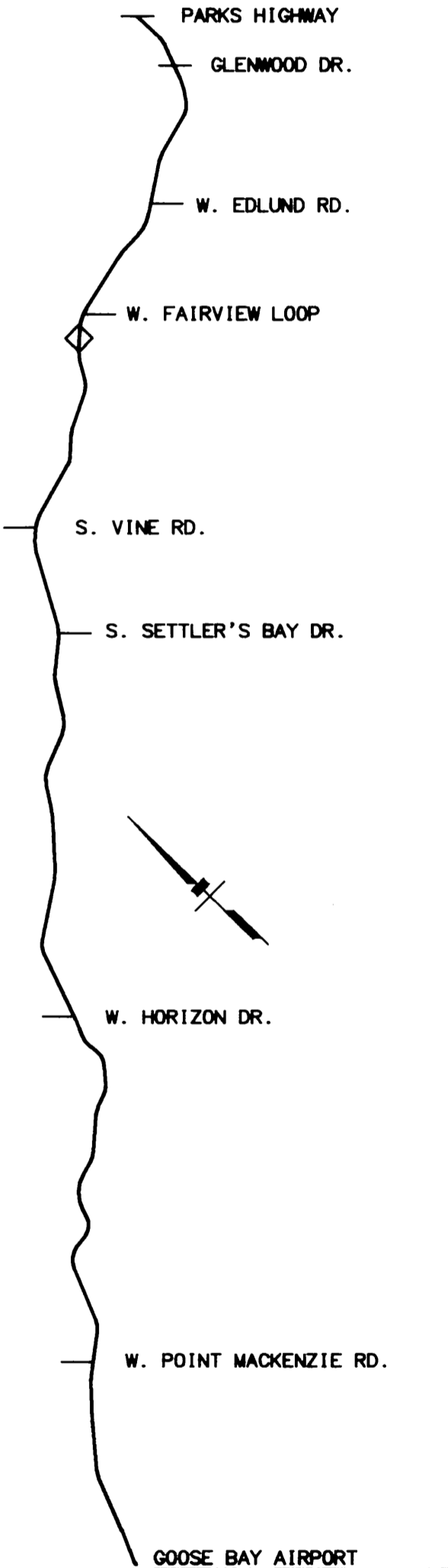
**KNIK-GOOSE BAY ROAD
REHABILITATION
AND PATHWAY**

PATHWAY
PLAN AND PROFILE



SPECIFICATIONS: SCALE: 1"=80' COMPUTER DESIGNATION: VIEW: F19
 XREFS: BASE_KOB.DWG, PROF_KGB.DWG, MAP_SIDE.DWG, AUTOGRAD.PAT/ANESSA-SS92203.PAUP.KGB.DWG
 DESIGNED BY: ELAYS DRAWN BY: ELAYS
 CHECKED BY: ELAYS DATE: 04/01/2003

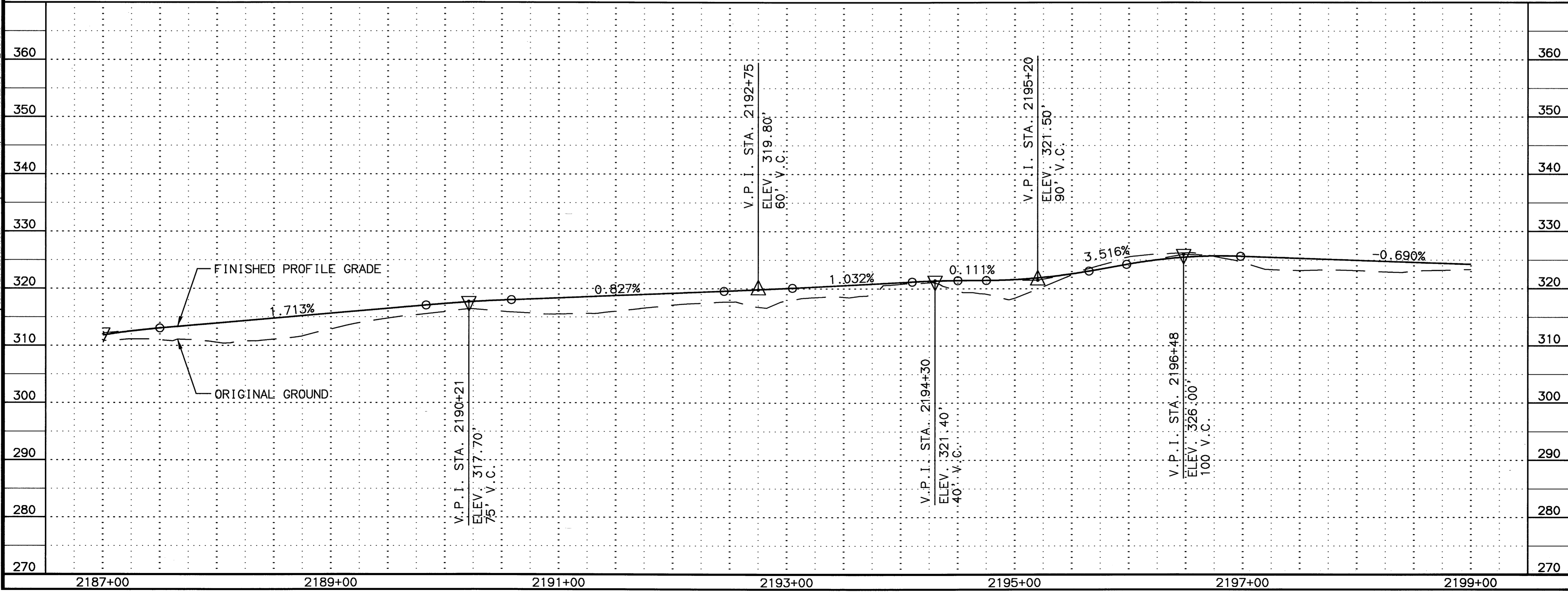
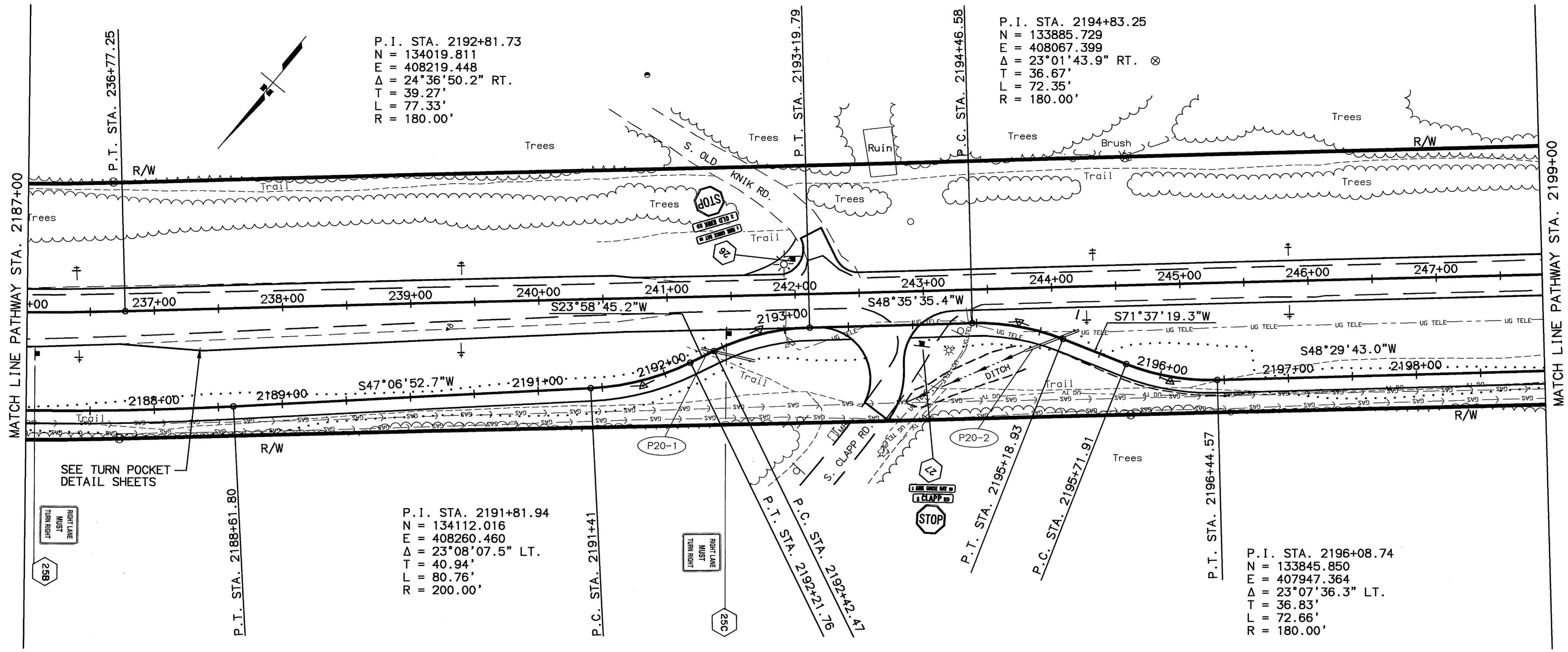
SHEET NO.	TOTAL SHEETS	
F20	F65	
STATE	YEAR	
ALASKA	2003	
PROJECT DESIGNATION		
CA-0525(11)/53922		
ADDENDUM NO.		
ATTACHMENT NO.		
REVISIONS		
NO.	DATE	DESCRIPTION



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

**KNIK-GOOSE BAY ROAD
REHABILITATION
AND PATHWAY**

PATHWAY
PLAN AND PROFILE



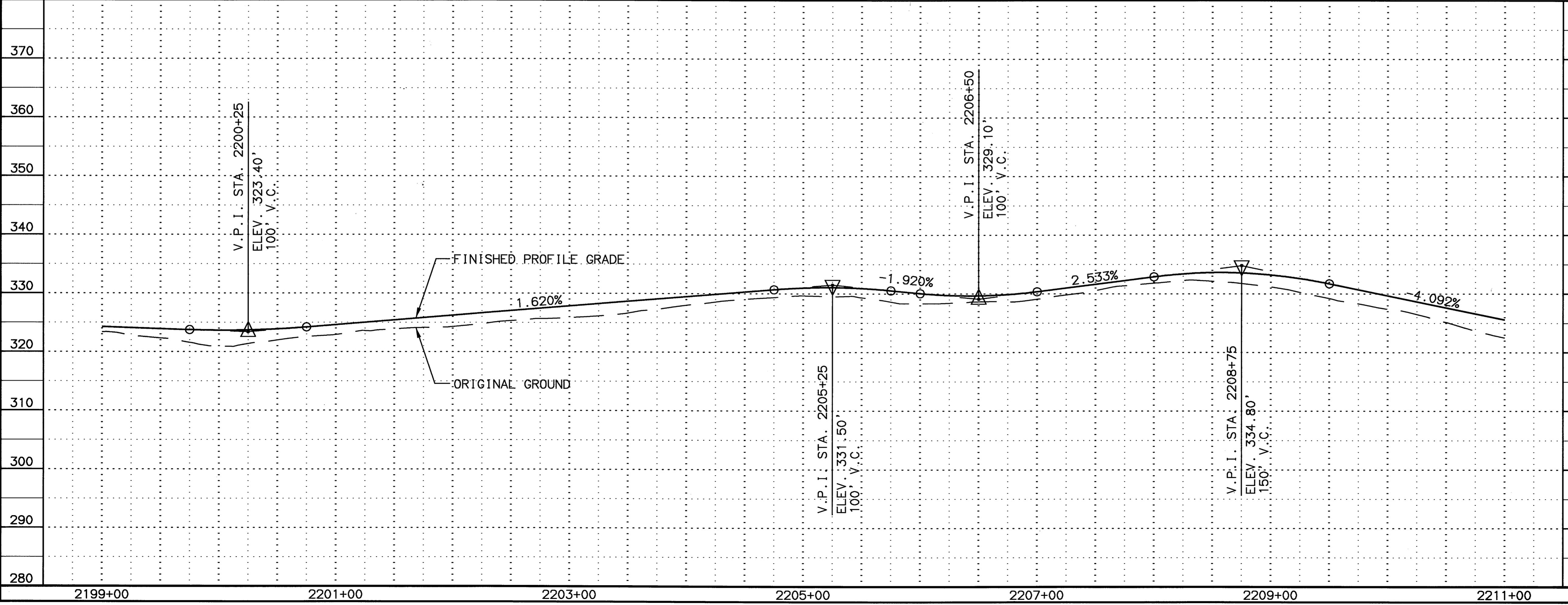
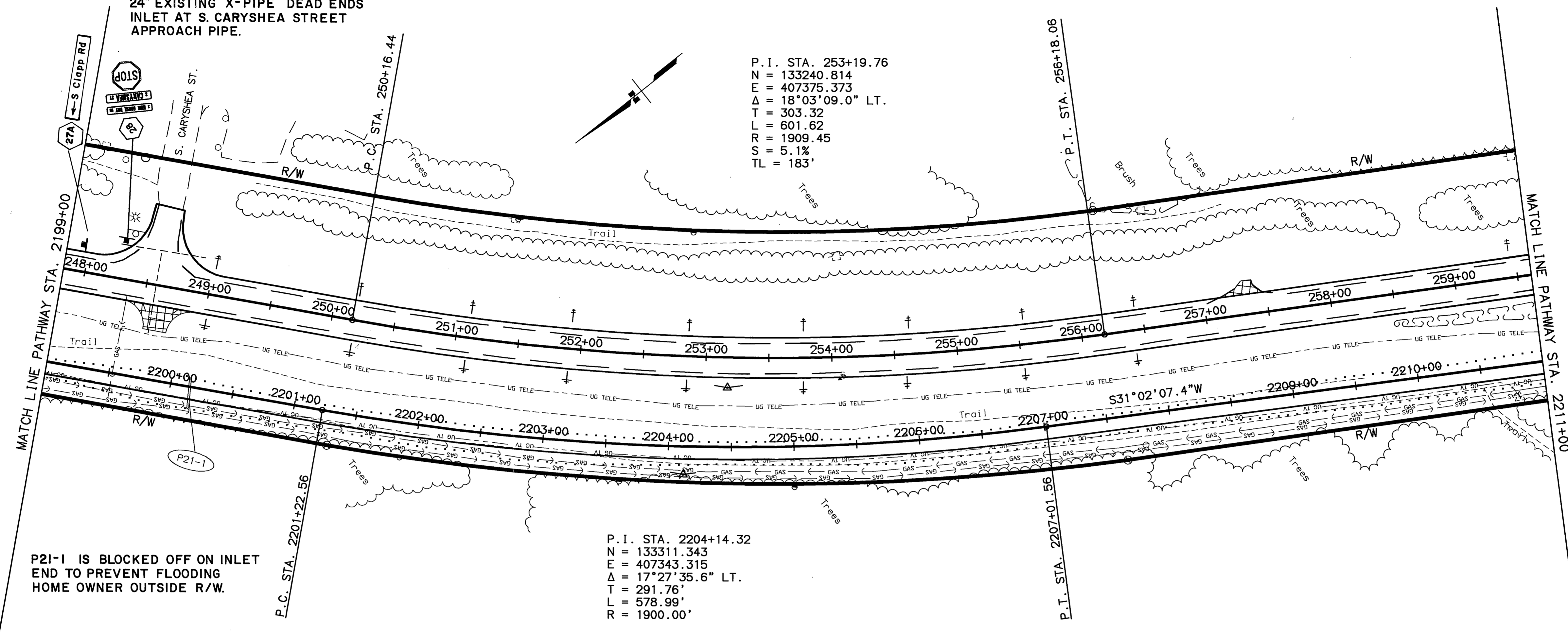
SPECIFICATIONS: XREFS: BASE_KGB.DWG, PROF_KGB.DWG, MAP_SIDE.DWG, COMPUTER DESIGNATION: AUTOCAD-PATH/ANESSA-53922R3/PANDP_KGB.DWG
 SCALE: 1"=50'
 DESIGNED BY: PIV/VS
 CHECKED BY: PIV/VS
 DRAFTED BY: PIV/VS
 DATE: 04/01/2003
 VIEW: F20

24" EXISTING X-PIPE DEAD ENDS
INLET AT S. CARYSHEA STREET
APPROACH PIPE.

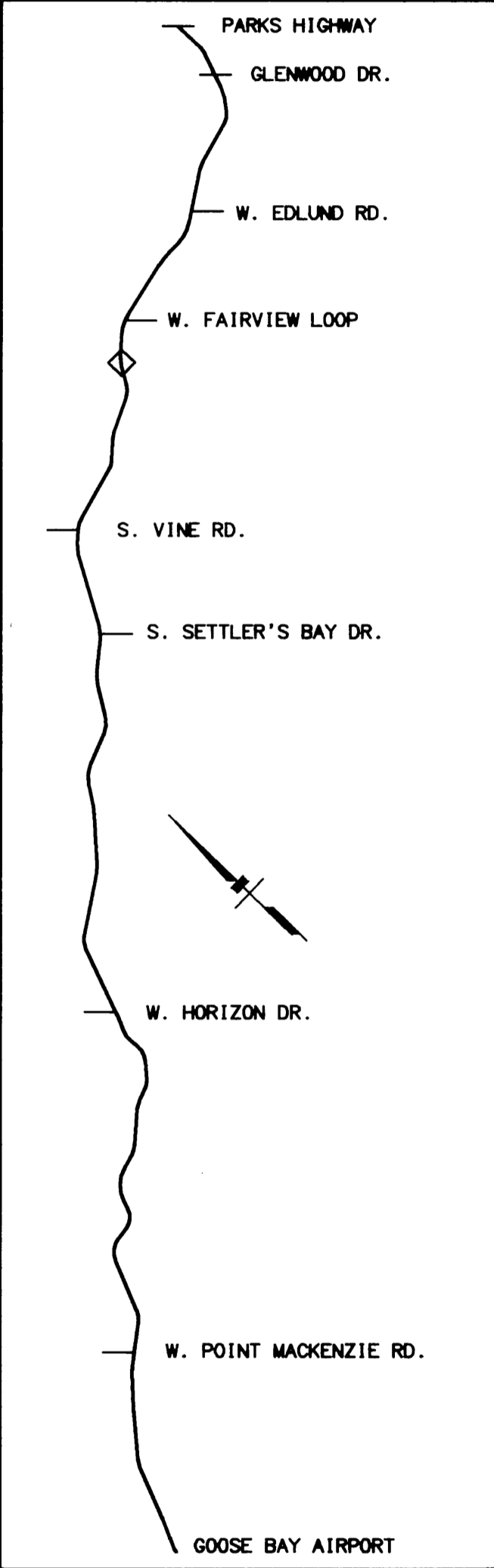
P.I. STA. 253+19.76
N = 133240.814
E = 407375.373
 $\Delta = 18^{\circ}03'09.0''$ LT.
T = 303.32
L = 601.62
R = 1909.45
S = 5.1%
TL = 183'

P.I. STA. 2204+14.32
N = 133311.343
E = 407343.315
 $\Delta = 17^{\circ}27'35.6''$ LT.
T = 291.76'
L = 578.99'
R = 1900.00'

P21-1 IS BLOCKED OFF ON INLET
END TO PREVENT FLOODING
HOME OWNER OUTSIDE R/W.



SHEET NO.	TOTAL SHEETS	
F21	F65	
STATE	YEAR	
ALASKA	2003	
PROJECT DESIGNATION		
CA-0525(11)/53922		
ADDENDUM NO.		
ATTACHMENT NO.		
REVISIONS		
NO.	DATE	DESCRIPTION



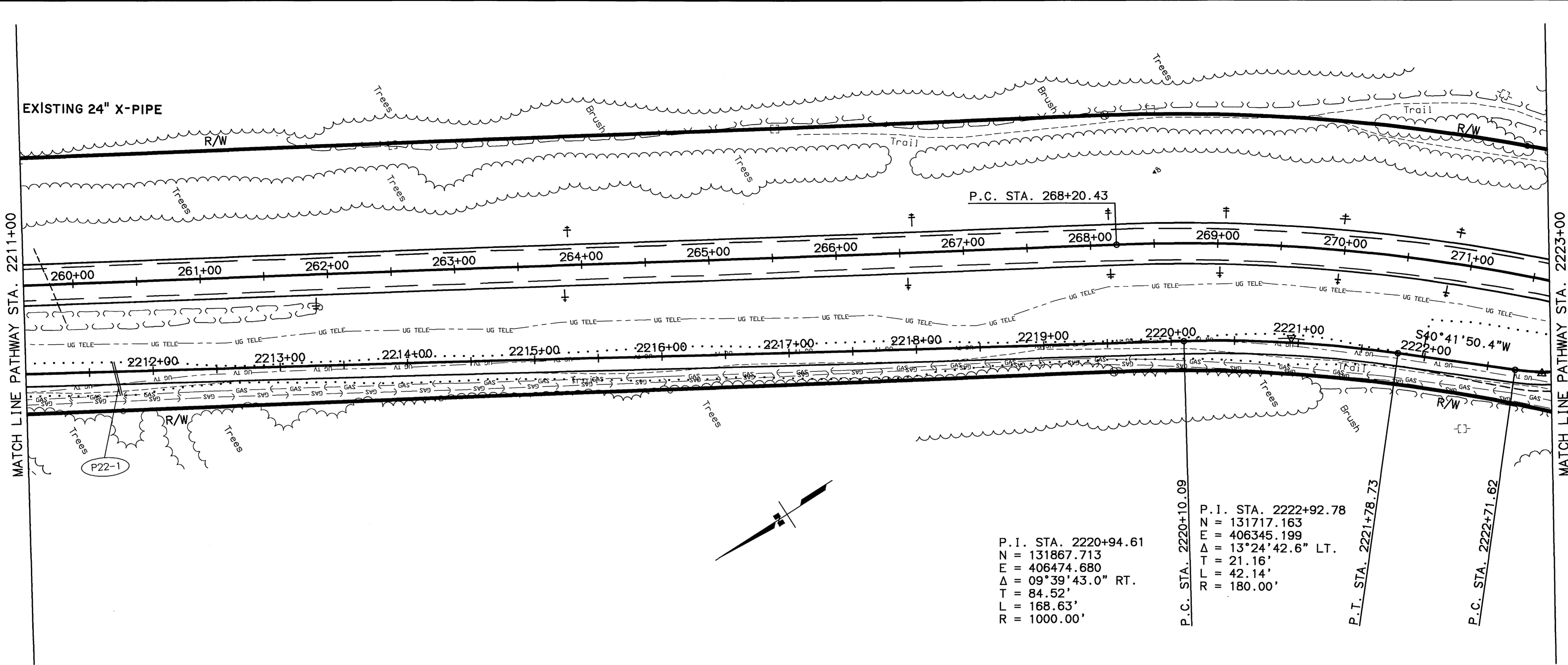
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

KNIK-GOOSE BAY ROAD
REHABILITATION
AND PATHWAY

PATHWAY
PLAN AND PROFILE

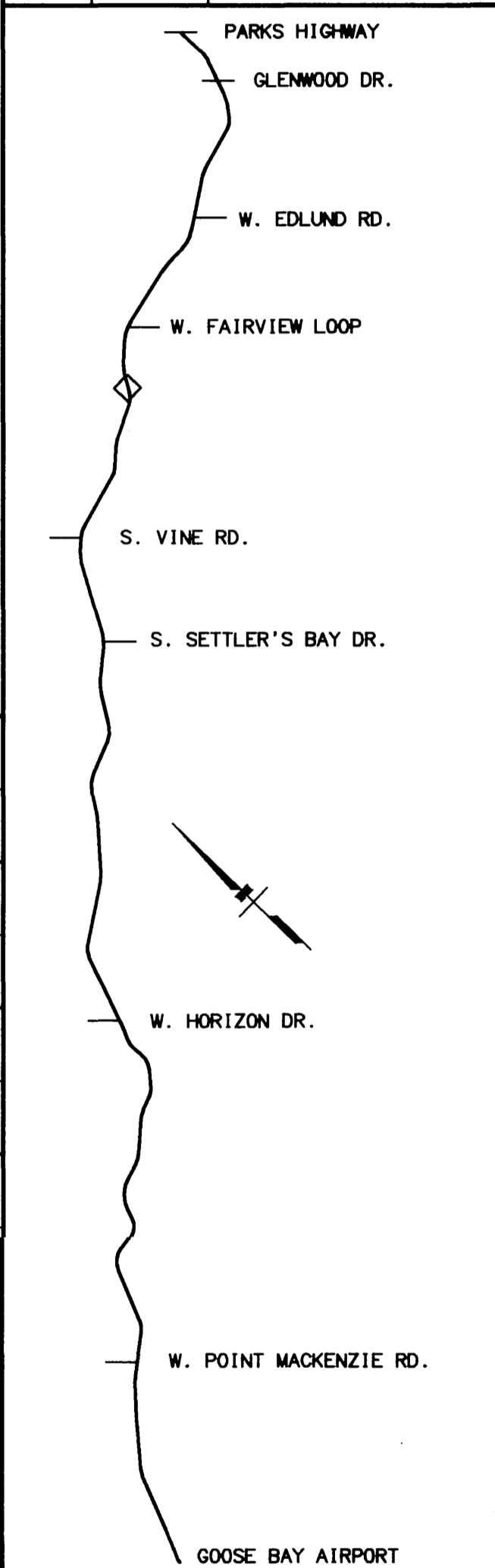
SPECIFICATIONS: SHEETS: BASE, KOB, DWG, PROF, GCB, DWG, MAP, SITE, DWG, SCALE: 1"=40' COMPUTER DESIGNATION: AUTO-CAD-FAT1/ANES-332233-RANSIP-333-DWG VIEW: F21 DESIGNED BY: R/L/YS CHECKED BY: DRAPTED BY: 04/01/2003

SHEET NO.	TOTAL SHEETS	
F22	F65	
STATE	YEAR	
ALASKA	2003	
PROJECT DESIGNATION		
CA-0525(11)/53922		
ADDENDUM NO.		
ATTACHMENT NO.		
REVISIONS		
NO.	DATE	DESCRIPTION

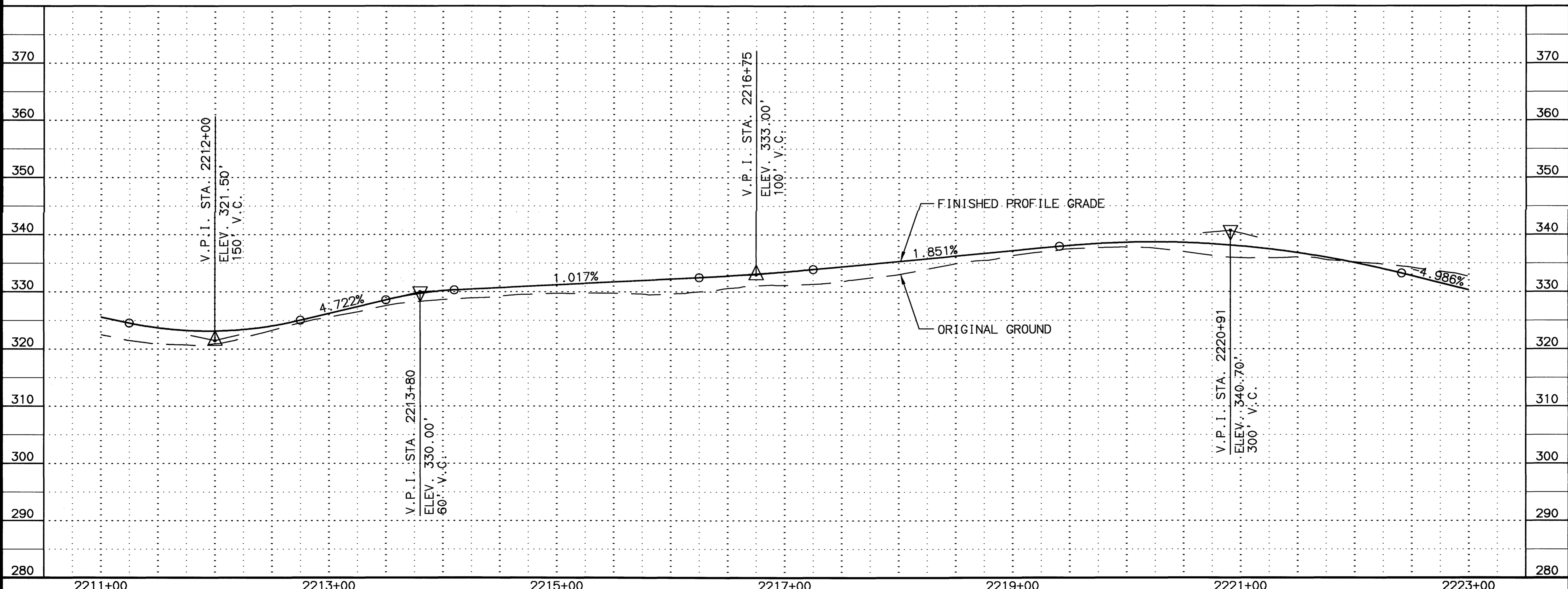


P.I. STA. 2220+94.61
 N = 131867.713
 E = 406474.680
 $\Delta = 09^{\circ}39'43.0''$ RT.
 T = 84.52'
 L = 168.63'
 R = 1000.00'

P.C. STA. 2220+10.09
 P.I. STA. 2222+92.78
 N = 131717.163
 E = 406345.199
 $\Delta = 13^{\circ}24'42.6''$ LT.
 T = 21.16'
 L = 42.14'
 R = 180.00'



SPECIFICATIONS: XREF'S: BASE_KGB.DWG, PROF_KGB.DWG, MAP_SIDE.DWG, AUTOGRAPH/PLT/MESSA-S9922/PROF_KGB.DWG
 SCALE: 1"=50' COMPUTER DESIGNATION: VIEW: F22
 DESIGNED BY: CHECKED BY: DRAFTED BY: PL/VS
 DATE: 04/01/2003

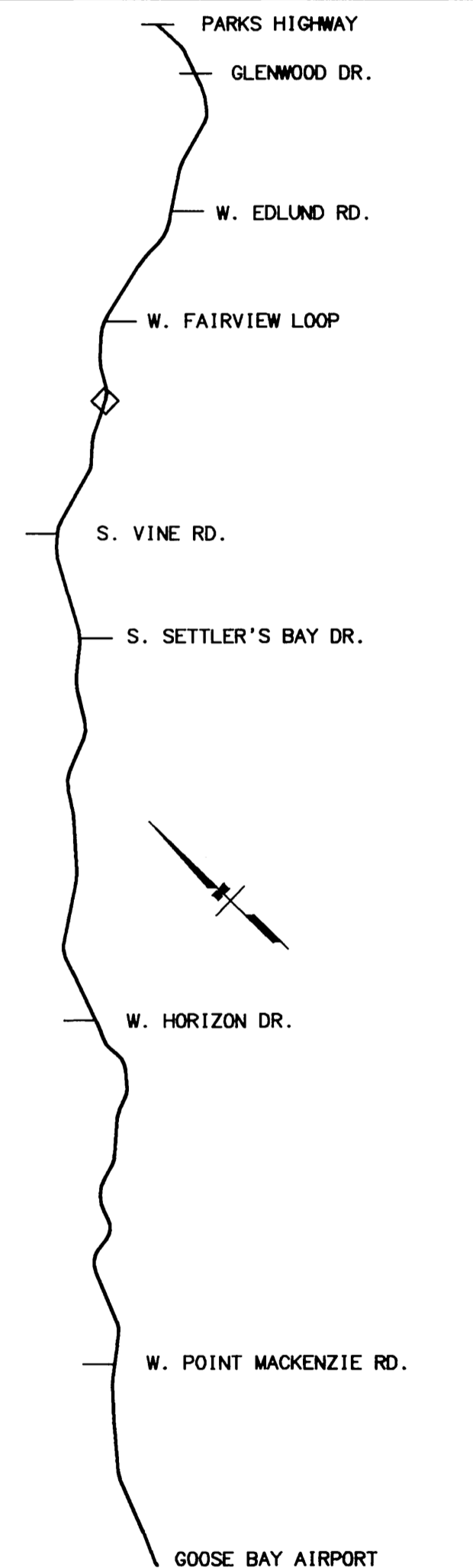


STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES

**KNIK-GOOSE BAY ROAD
 REHABILITATION
 AND PATHWAY**

PATHWAY
 PLAN AND PROFILE

SHEET NO.	TOTAL SHEETS	
F23	F65	
STATE	YEAR	
ALASKA	2003	
PROJECT DESIGNATION		
CA-0525(11)/53922		
ADDENDUM NO.		
ATTACHMENT NO.		
REVISIONS		
NO.	DATE	DESCRIPTION

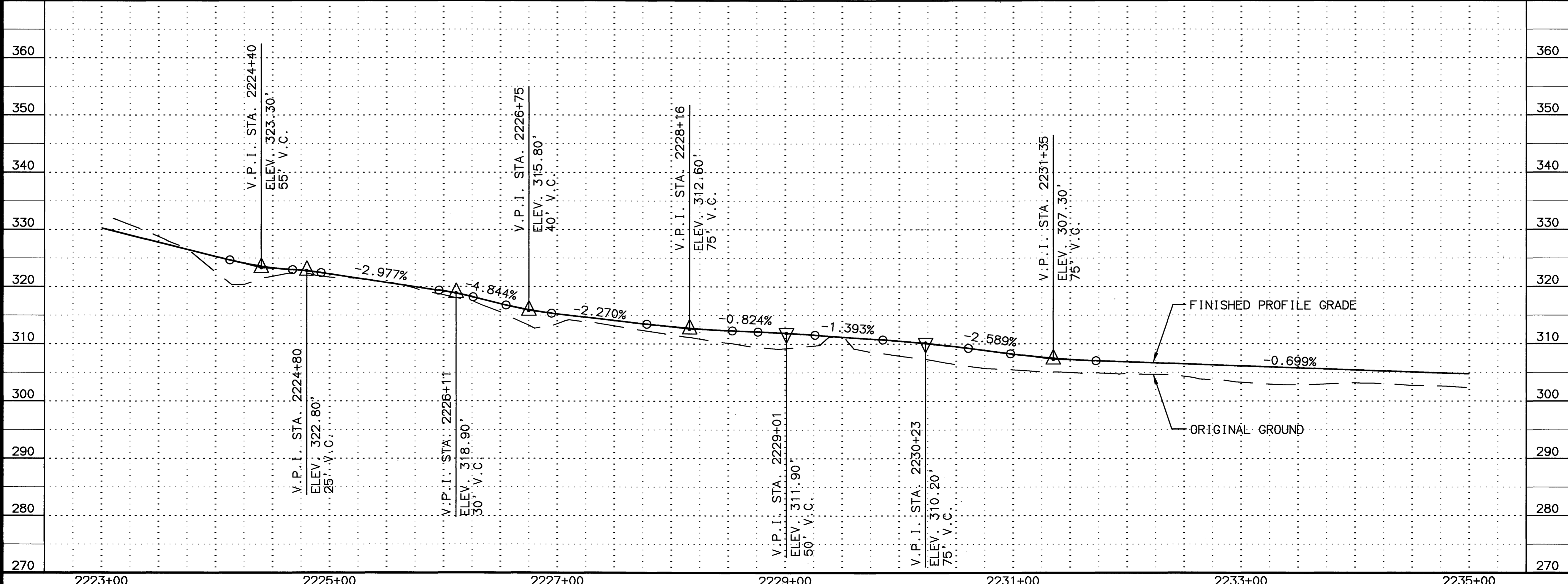
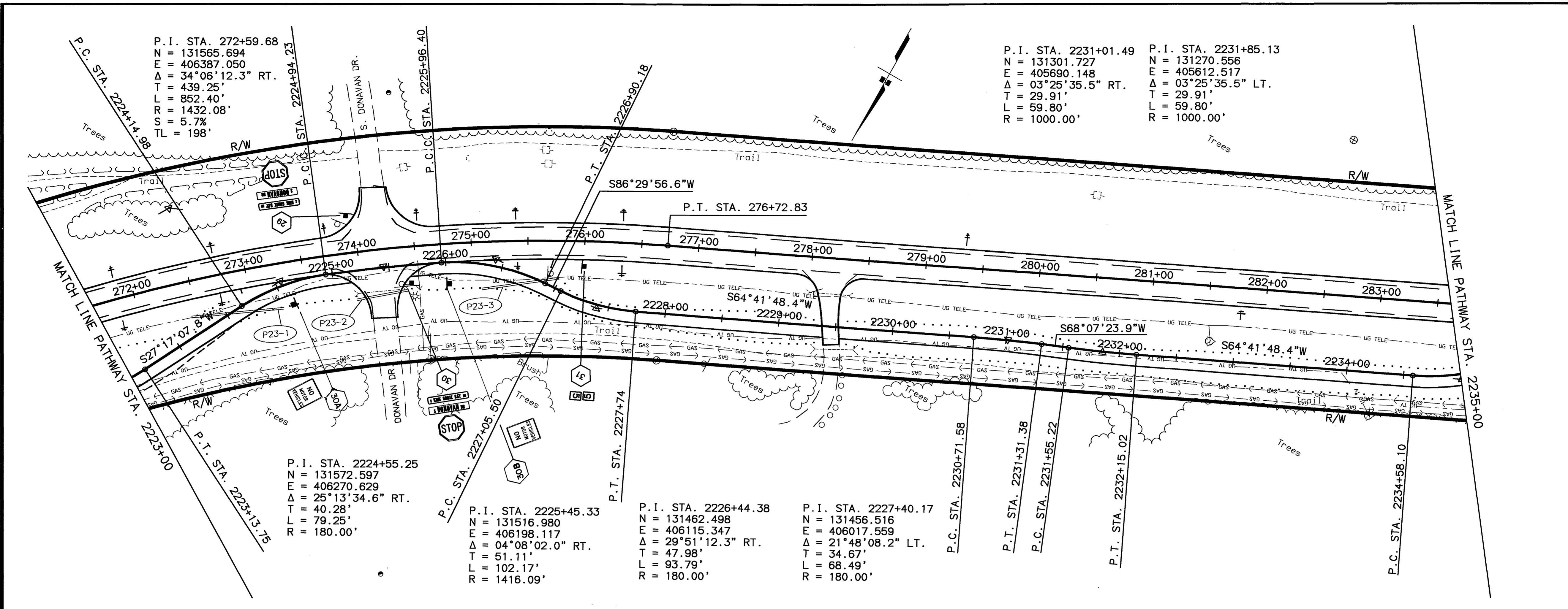


STATE OF ALASKA
 49th
 THOMAS P. MOLL
 CE 9494
 4/21/03
 REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES

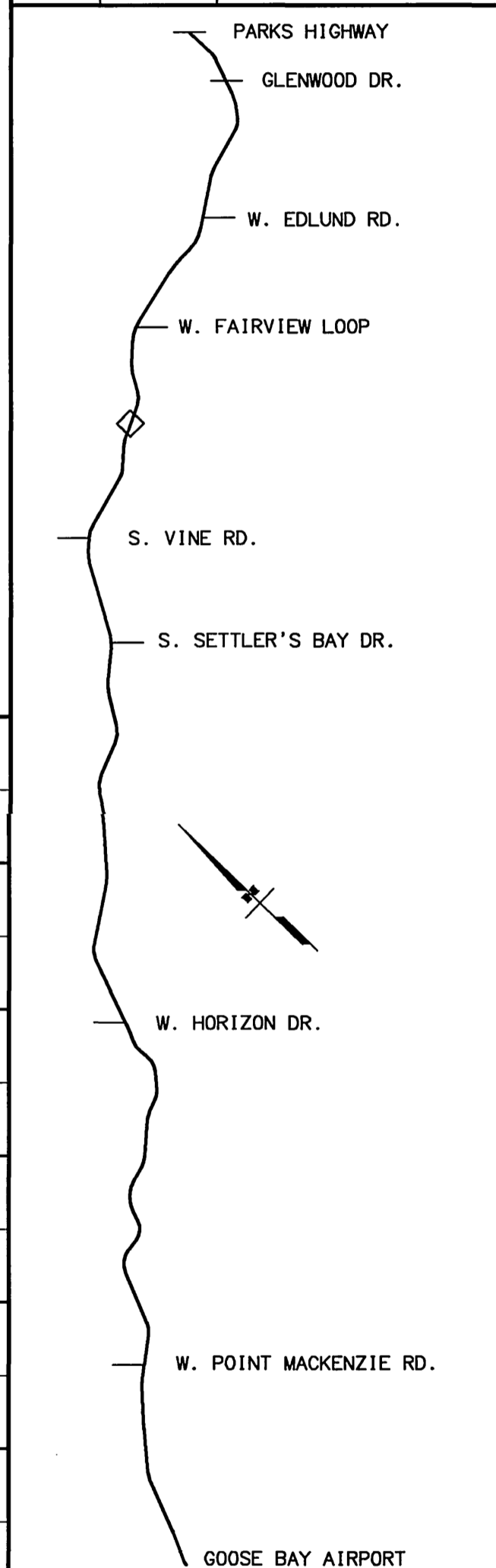
**KNIK-GOOSE BAY ROAD
 REHABILITATION
 AND PATHWAY**

PATHWAY
 PLAN AND PROFILE



SPECIFICATIONS
 SCALE 1"=50'
 COMPUTER DESIGNATION
 XREFS: BASE_KGB.DWG, PROF_KGB.DWG, MAP_SIDE.DWG, MAP_SIDE.DWG
 AUTOCAD:PART1\ANESSA-582223\KNIK-GOOSE BAY ROAD\VIEW F23
 DESIGNED BY
 CHECKED BY
 DRAFTED BY
 04/01/2003
 P.L./S

SHEET NO.	TOTAL SHEETS	
F24	F65	
STATE	YEAR	
ALASKA	2003	
PROJECT DESIGNATION		
CA-0525(11)/53922		
ADDENDUM NO.		
ATTACHMENT NO.		
REVISIONS		
NO.	DATE	DESCRIPTION

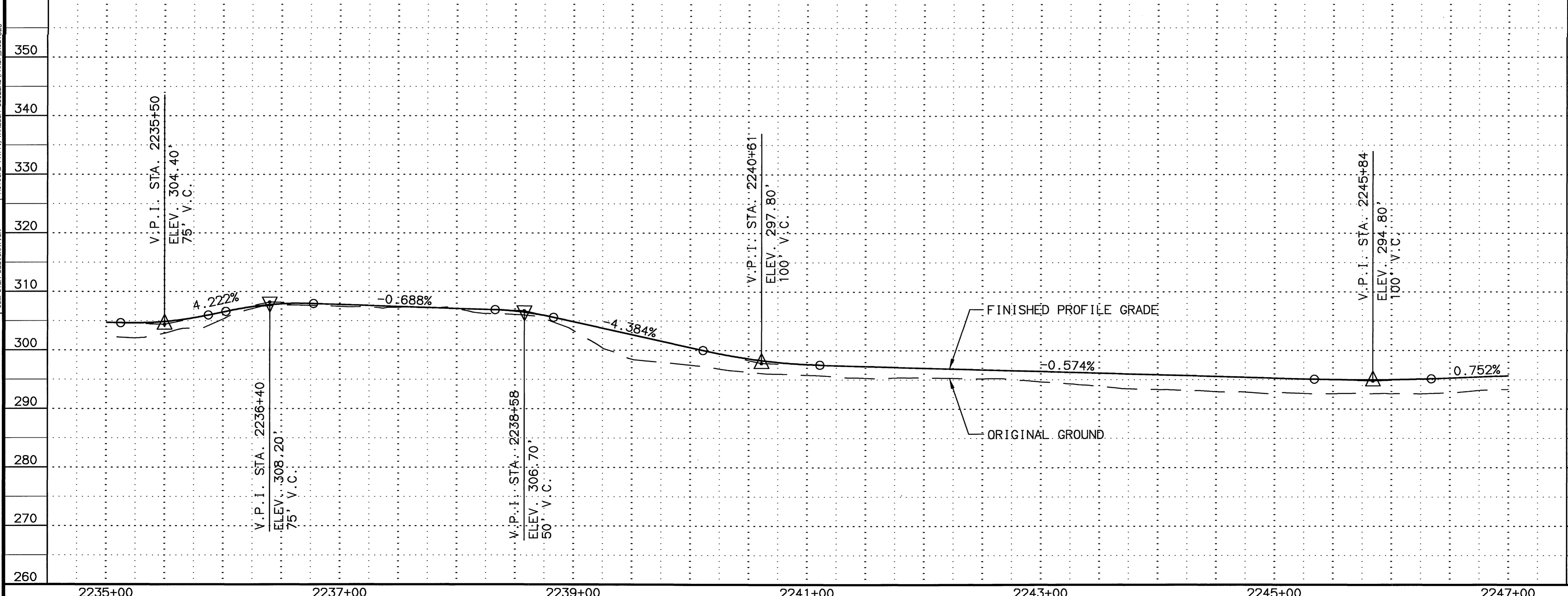
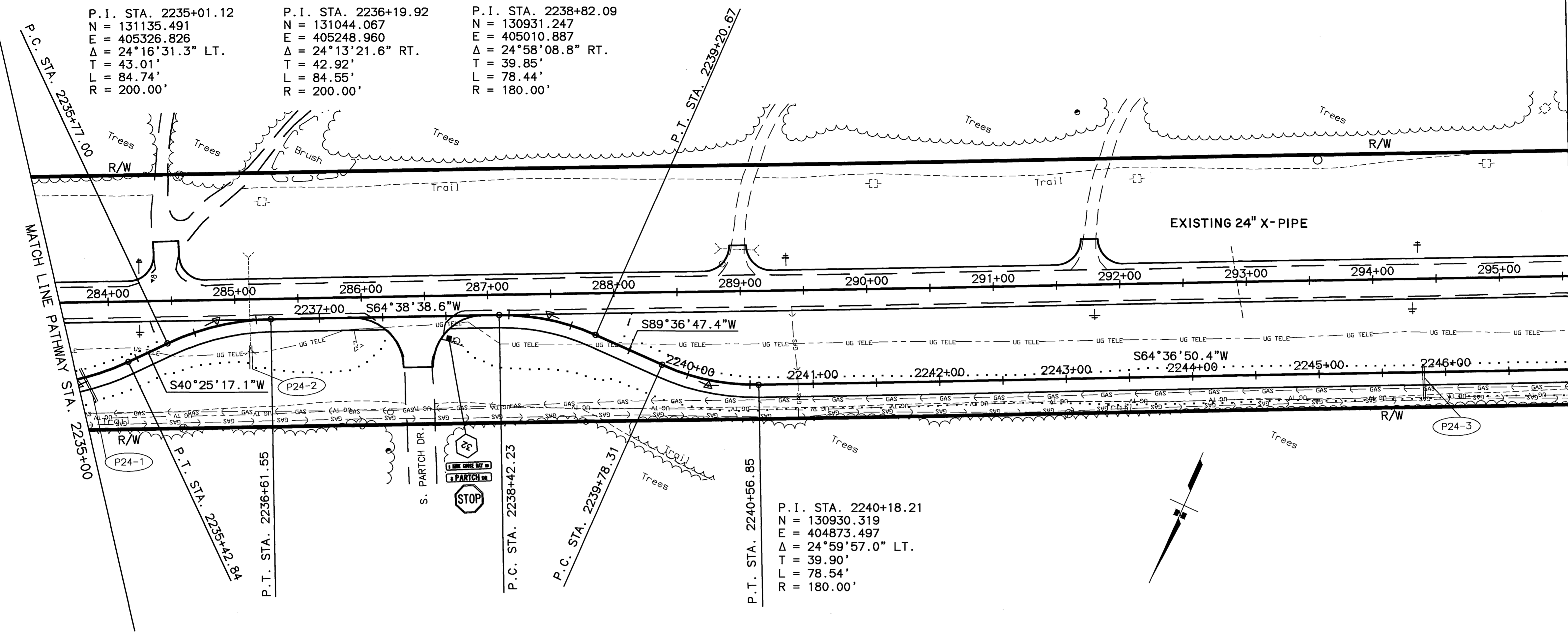


STATE OF ALASKA
 49th
 THOMAS P. MOLL
 CE 9484
 4/24/03
 REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES

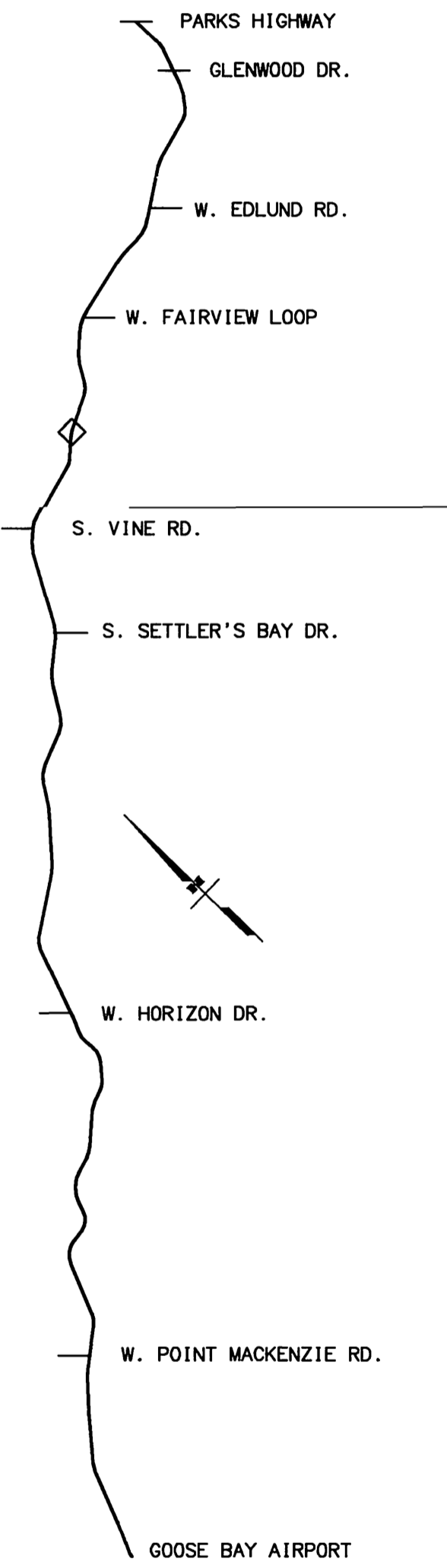
KNIK-GOOSE BAY ROAD
 REHABILITATION
 AND PATHWAY

PATHWAY
 PLAN AND PROFILE



SPECIFICATIONS
 XREFS: BASE_KGB.DWG, PROF_KGB.DWG, MAP_S1.DWG, MAP_S2.DWG
 AUTOCAD-PATHWAY/ANALYSIS/53922R/PANOP_KGB.DWG
 SCALE: 1"=50'
 COMPUTER DESIGNATION
 DESIGNED BY: PL/MS
 CHECKED BY: PL/MS
 DRAFTED BY: PL/MS
 DATE: 04/01/2003
 VIEW: F24

SHEET NO.	TOTAL SHEETS	
F25	F65	
STATE	YEAR	
ALASKA	2003	
PROJECT DESIGNATION		
CA-0525(11)/53922		
ADDENDUM NO.		
ATTACHMENT NO.		
REVISIONS		
NO.	DATE	DESCRIPTION

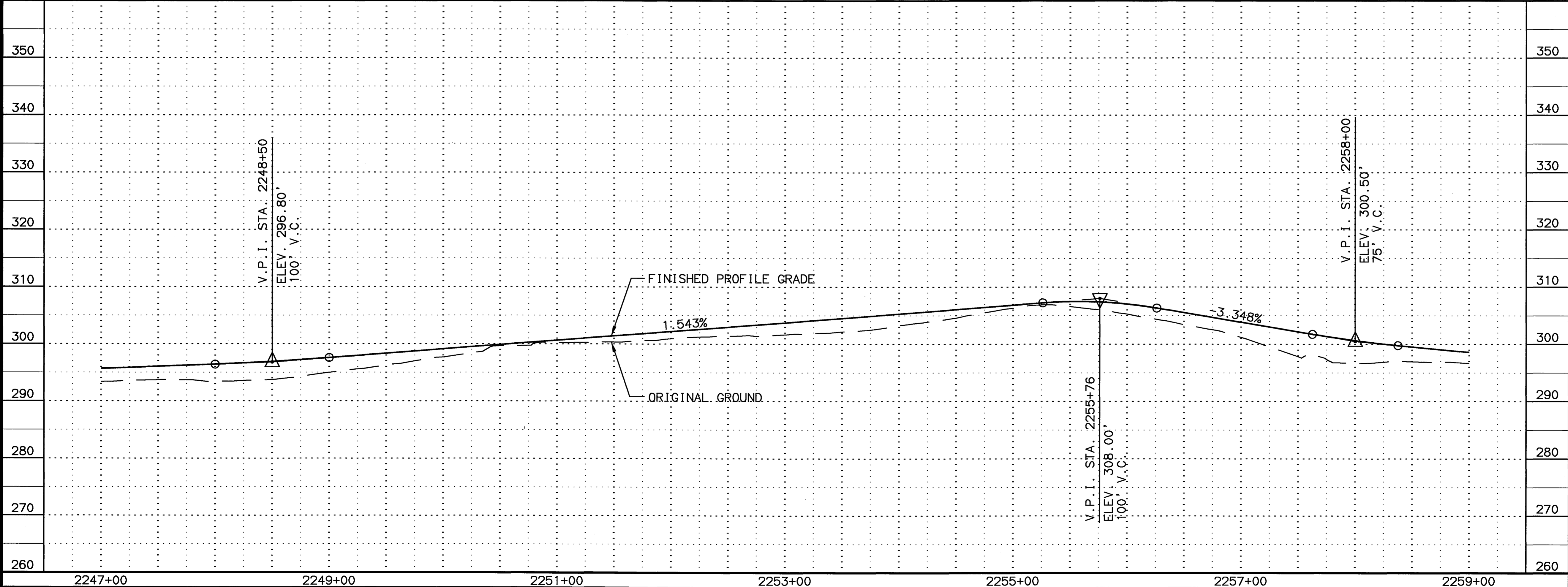
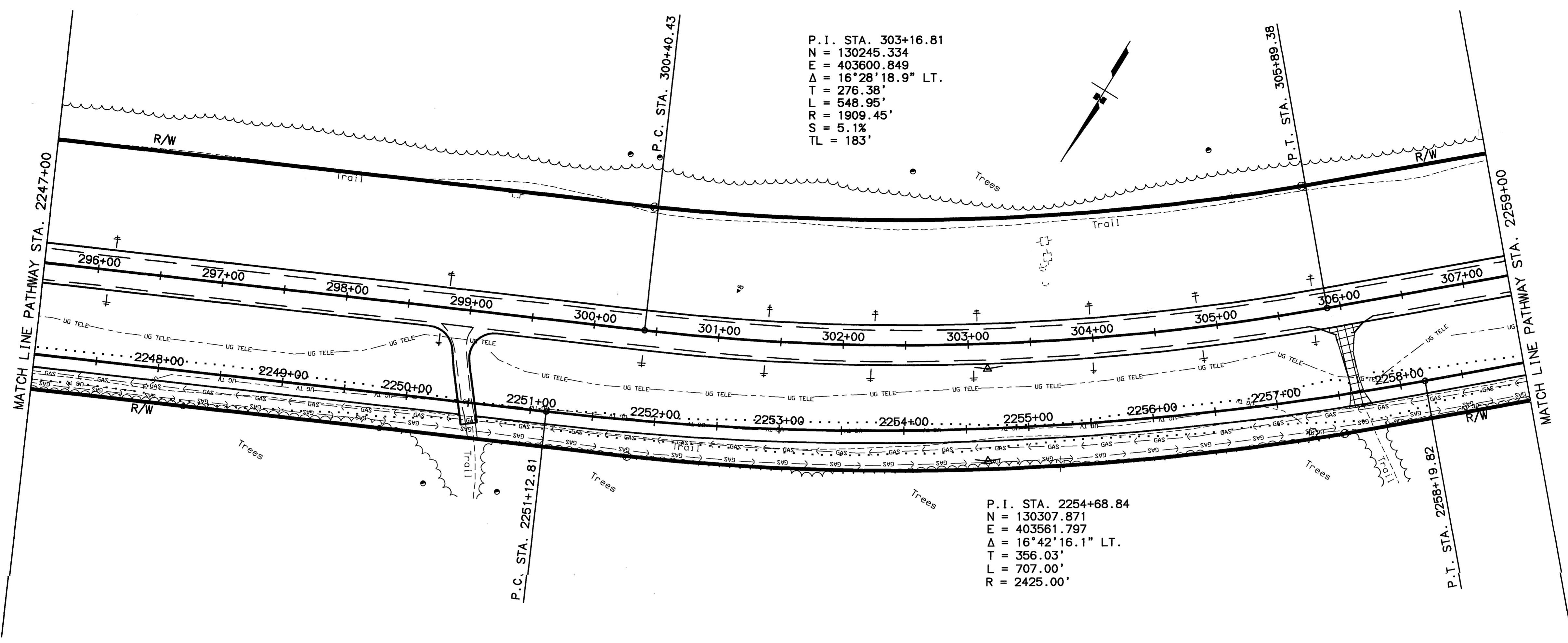


STATE OF ALASKA
 49th
 THOMAS P. MOLL
 CE 9499
 REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES

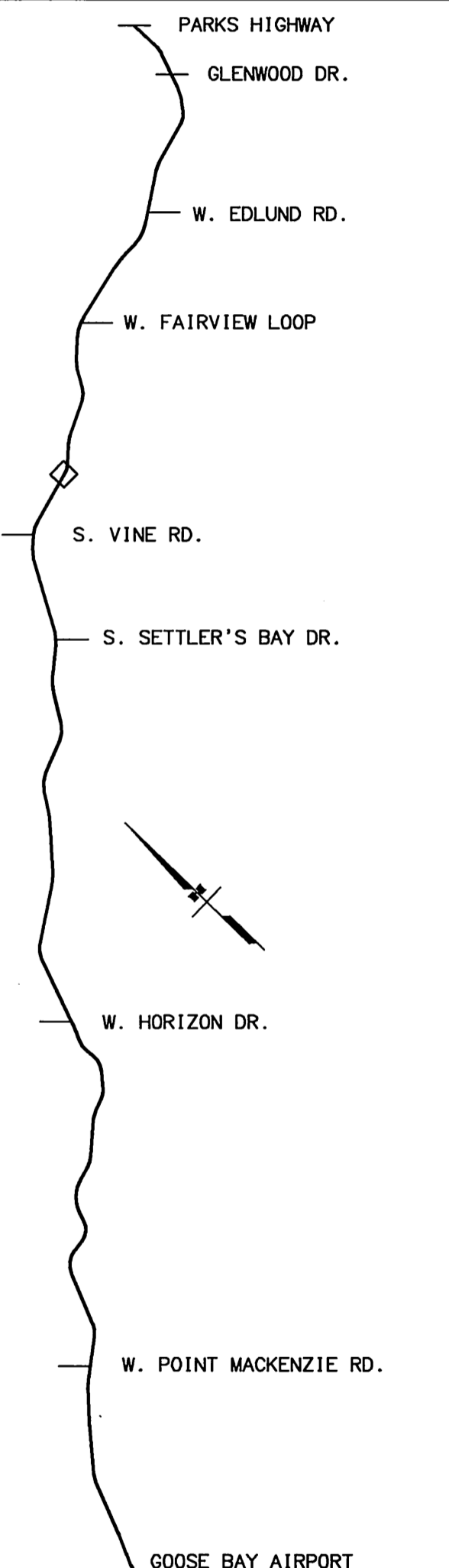
KNIK-GOOSE BAY ROAD
 REHABILITATION
 AND PATHWAY

PATHWAY
 PLAN AND PROFILE



04/01/2003
 DESIGNED BY
 CHECKED BY
 DRAFTED BY
 SPECIFICATIONS
 SCALE 1"=50'
 COMPUTER DESIGNATION
 XREFS: BASE_KGB.DWG, PROF_KGB.DWG, MAP_STIE.DWG
 AUTOCAD-PATH/ALASKA-582223-PAK01-KGB.DWG
 VIEW: F25

SHEET NO.	TOTAL SHEETS	
F27	F65	
STATE	YEAR	
ALASKA	2003	
PROJECT DESIGNATION		
CA-0525(11)/53922		
ADDENDUM NO.		
ATTACHMENT NO.		
REVISIONS		
NO.	DATE	DESCRIPTION



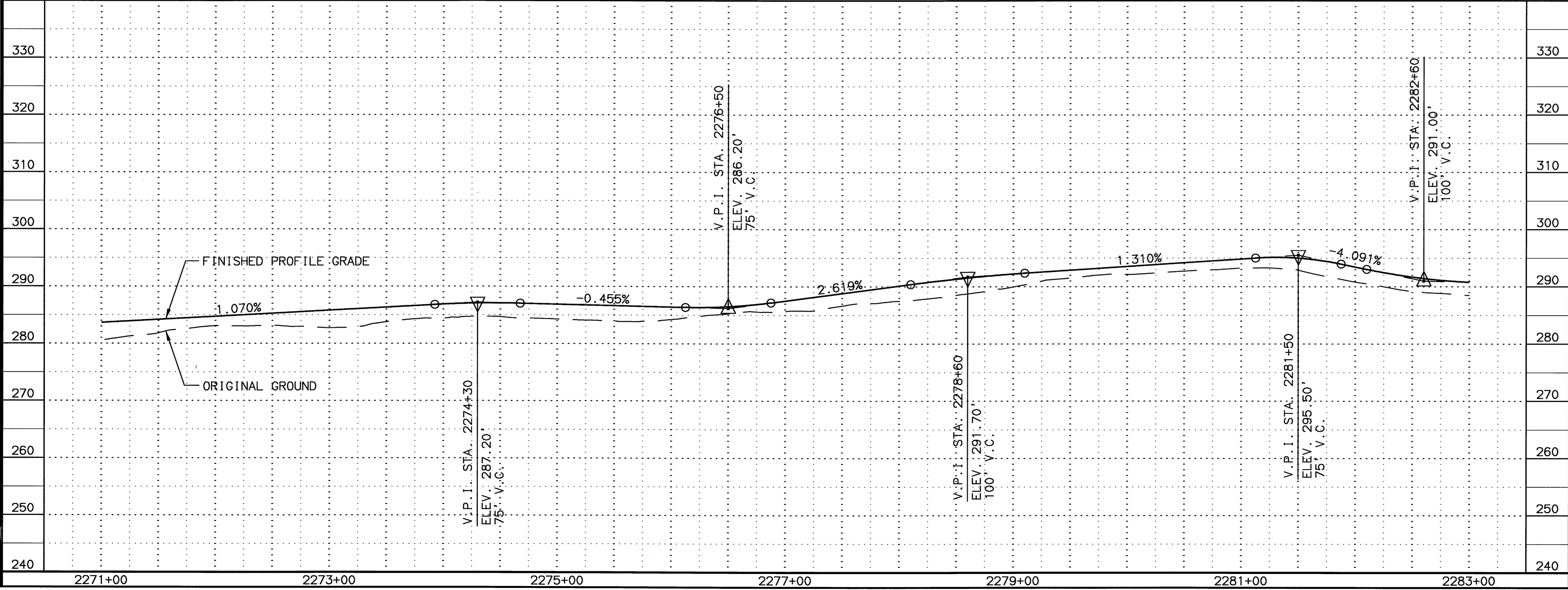
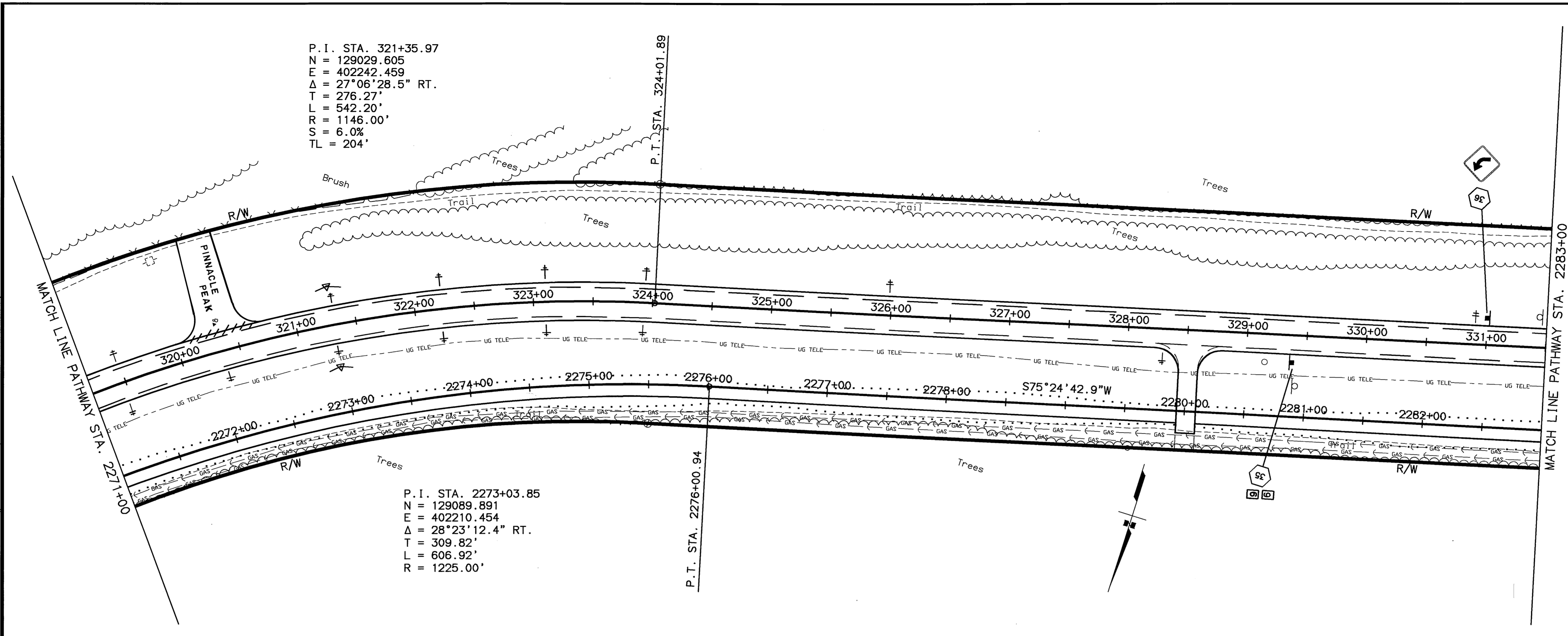
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES

KNIK-GOOSE BAY ROAD
 REHABILITATION
 AND PATHWAY

PATHWAY
 PLAN AND PROFILE

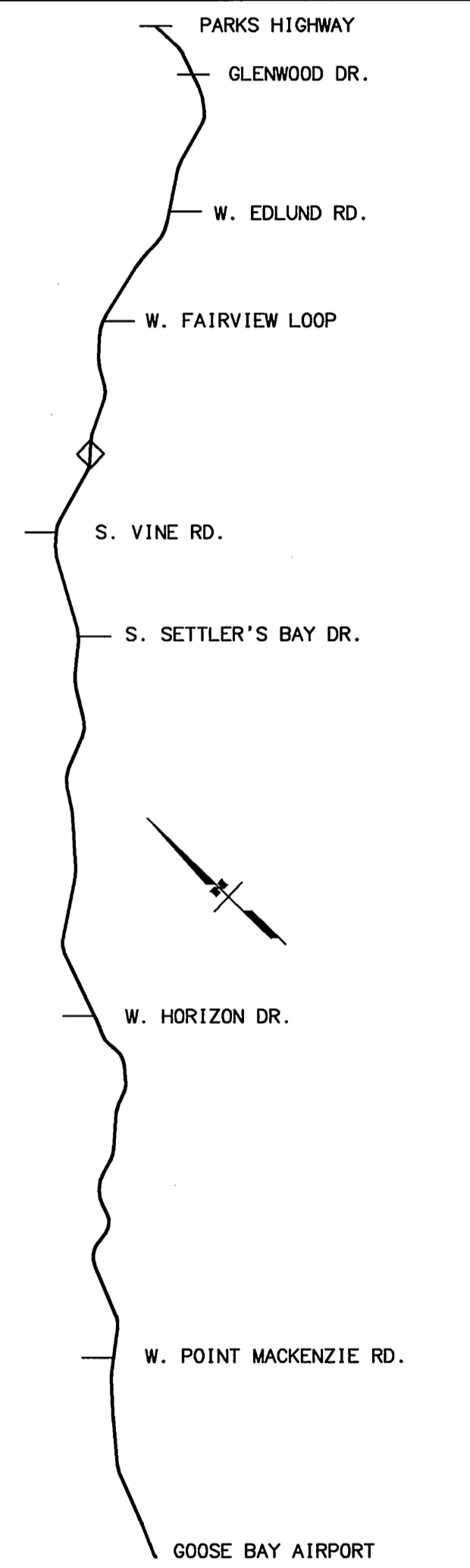
P. I. STA. 321+35.97
 N = 129029.605
 E = 402242.459
 $\Delta = 27^{\circ}06'28.5''$ RT.
 T = 276.27'
 L = 542.20'
 R = 1146.00'
 S = 6.0%
 TL = 204'

P. I. STA. 2273+03.85
 N = 129089.891
 E = 402210.454
 $\Delta = 28^{\circ}23'12.4''$ RT.
 T = 309.82'
 L = 606.92'
 R = 1225.00'



SPECIFICATIONS
 SCALE 1"=30'
 COMPUTER DESIGNATION
 XREFS: BASE_KOB.DWG, PROF_KOB.DWG, MAP_SIDE.DWG
 AUTOCAD-PATHWAY/MESSA-58222R/PK0P_KOB.DWG
 VIEW: F27
 DESIGNED BY
 CHECKED BY
 DRAFTED BY
 04/22/2003
 R/L/VS

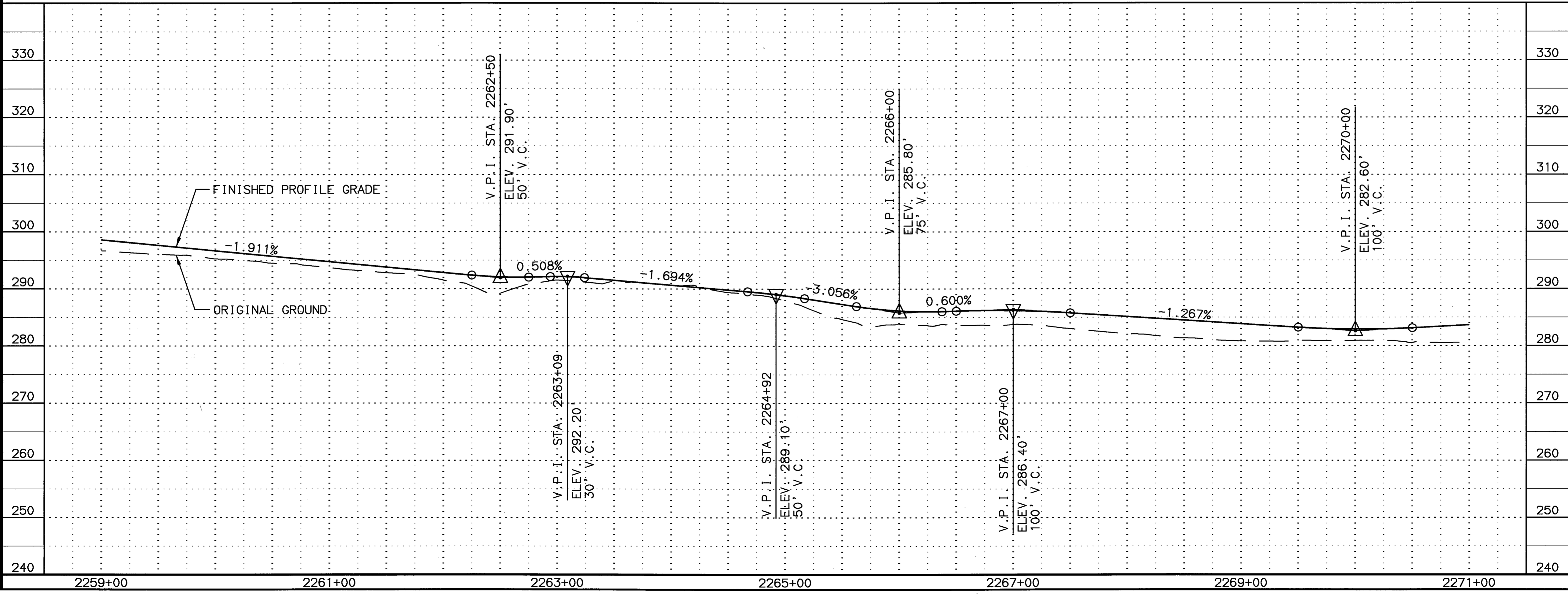
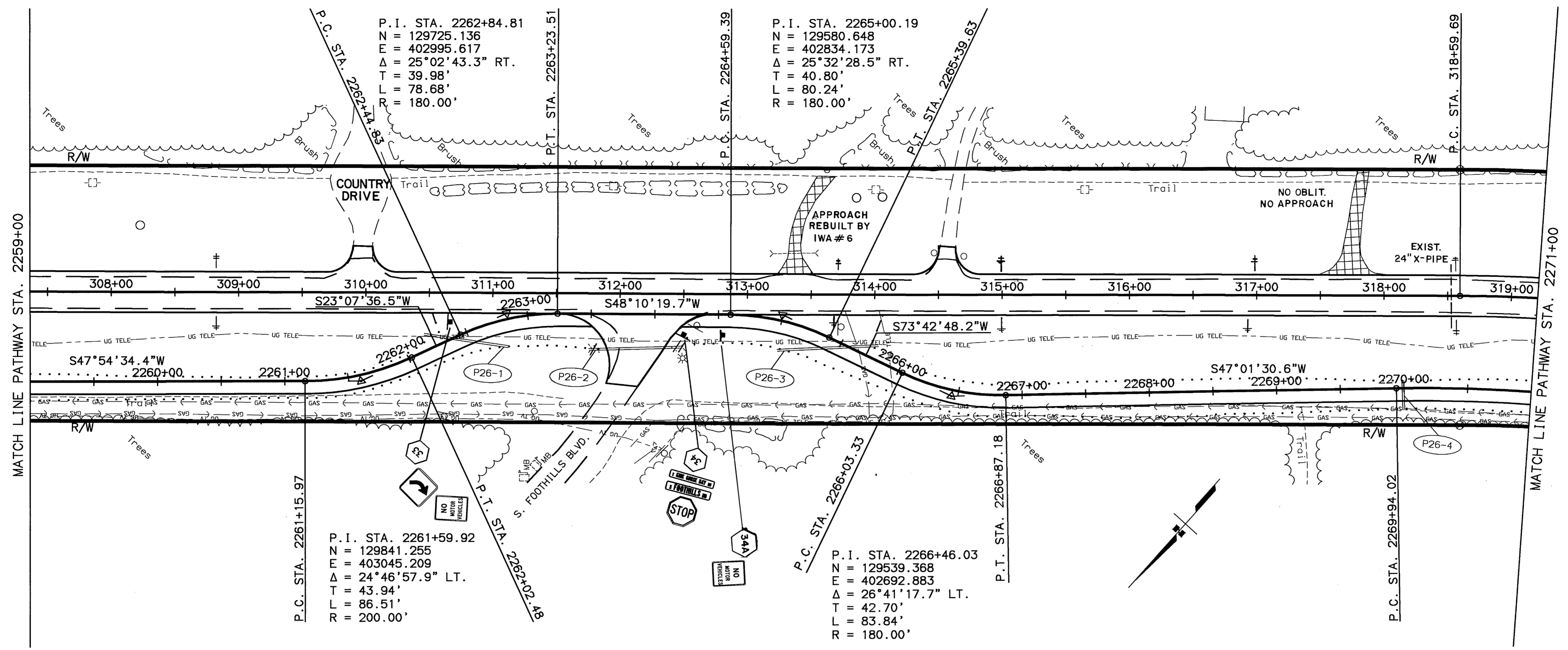
SHEET NO.	TOTAL SHEETS	
F26	F65	
STATE	YEAR	
ALASKA	2003	
PROJECT DESIGNATION		
CA-0525(11)/53922		
ADDENDUM NO.		
ATTACHMENT NO.		
REVISIONS		
NO.	DATE	DESCRIPTION



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES

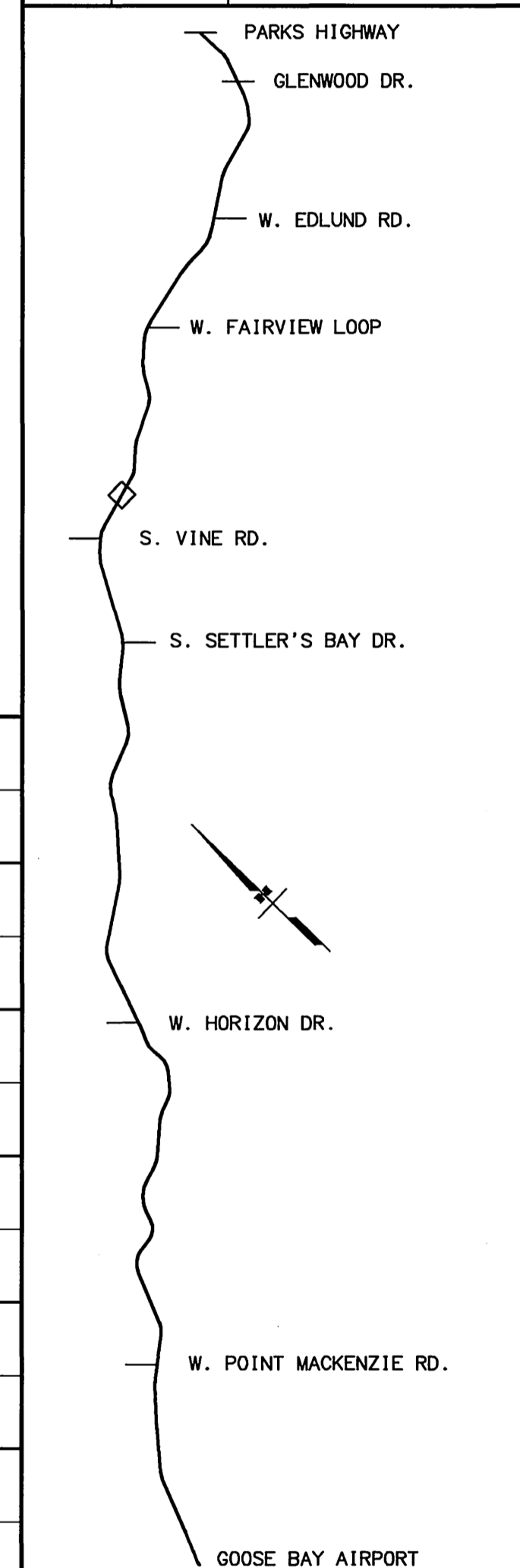
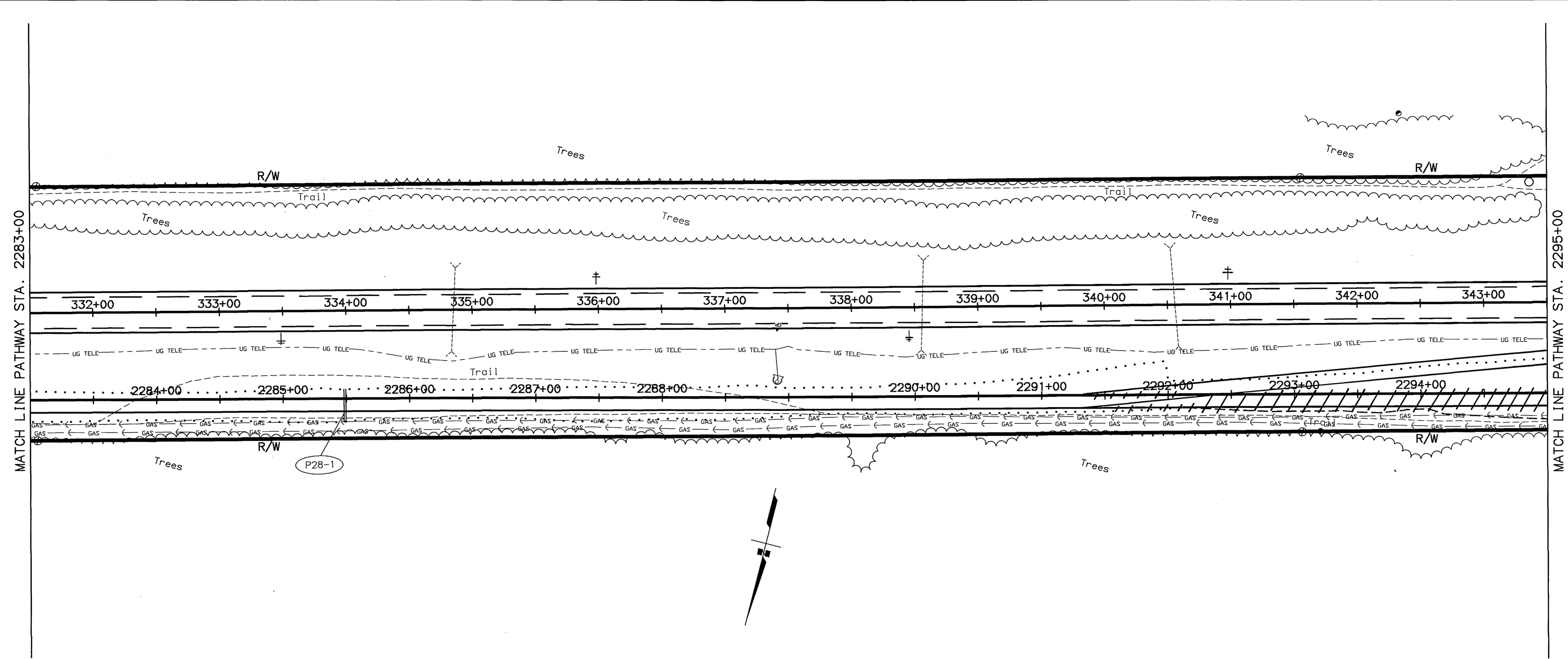
KNIK-GOOSE BAY ROAD
 REHABILITATION
 AND PATHWAY

PATHWAY
 PLAN AND PROFILE

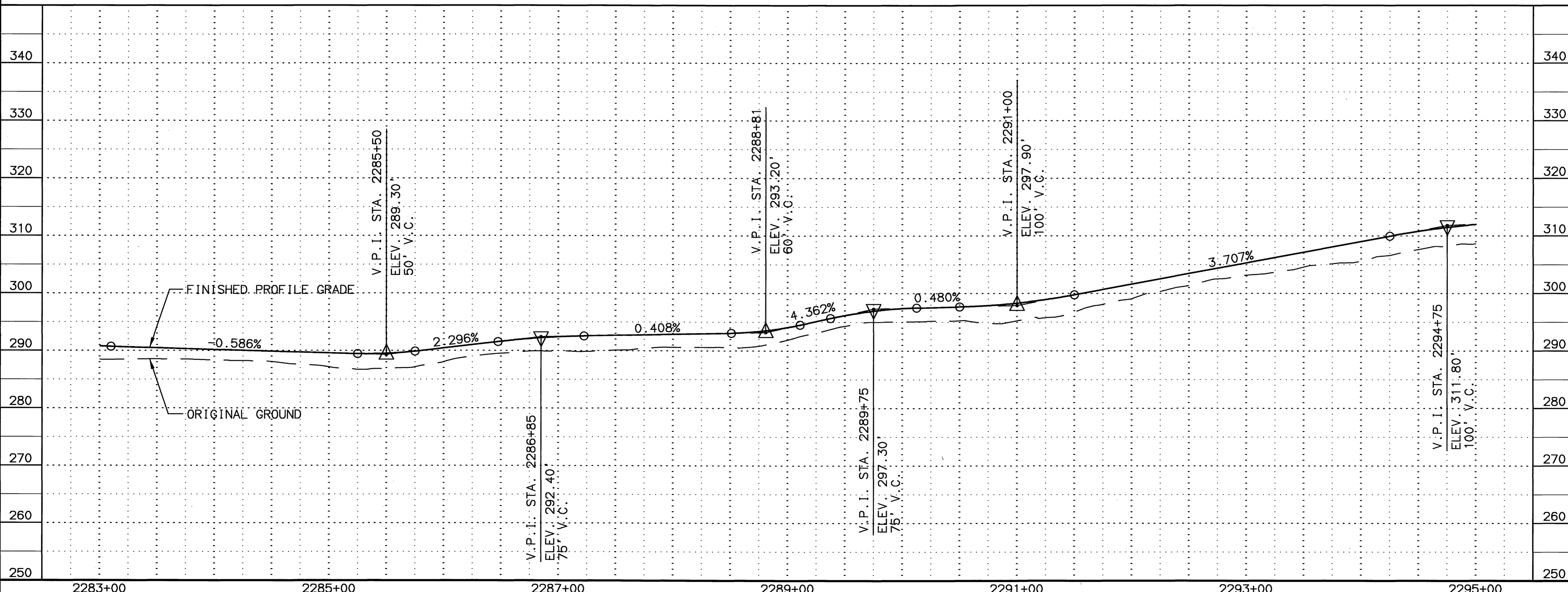


SPECIFICATIONS: XREFS: BASE, JOB, DWG., PROF., JOB, DWG., MAP, SIDE, DWG.
 SCALE: 1"=50'
 COMPUTER DESIGNATION: AUTO/CAD-PATH/AVANCESS-538233/PAMP-AGB-DWG
 VIEWS: F26
 DESIGNED BY: PL/VS
 CHECKED BY:
 DRAFTED BY:
 04/01/2003

SHEET NO.	TOTAL SHEETS	
F28	F65	
STATE	YEAR	
ALASKA	2003	
PROJECT DESIGNATION		
CA-0525(11)/53922		
ADDENDUM NO.		
ATTACHMENT NO.		
REVISIONS		
NO.	DATE	DESCRIPTION



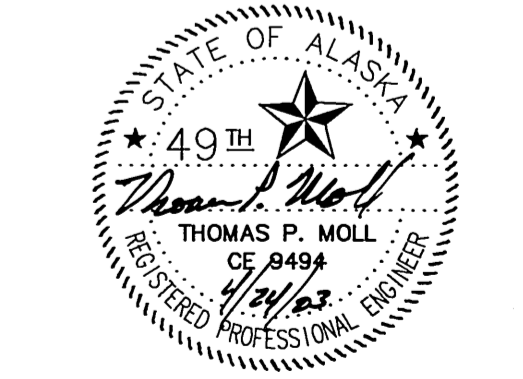
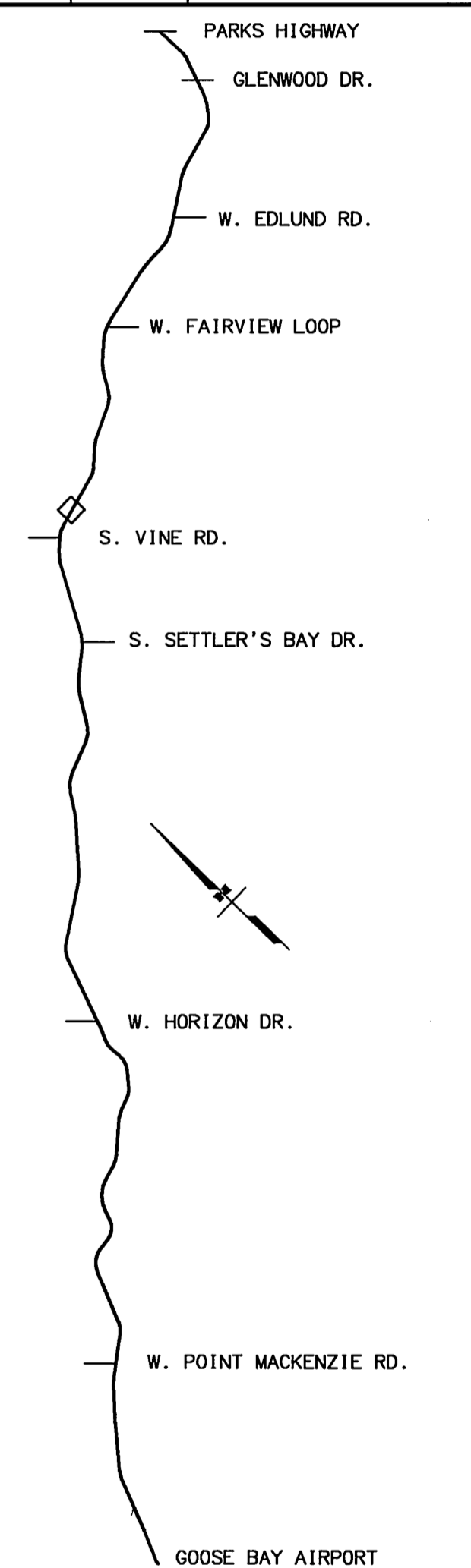
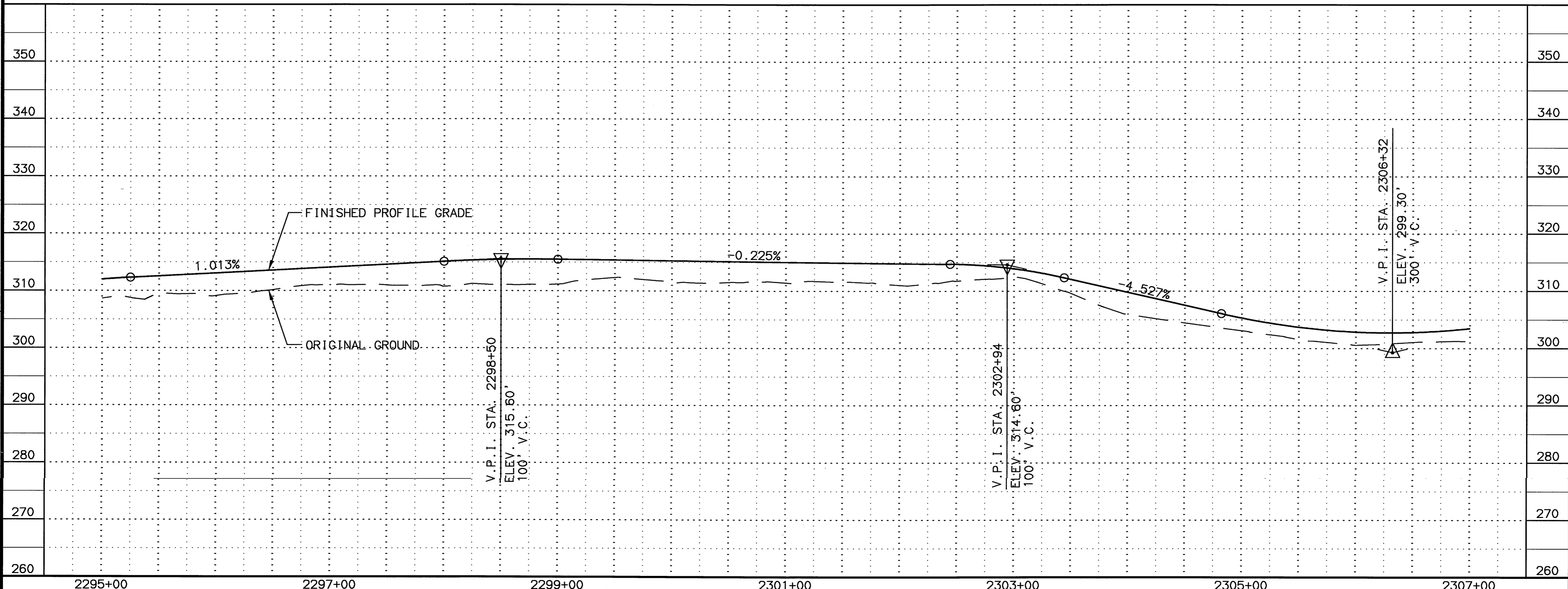
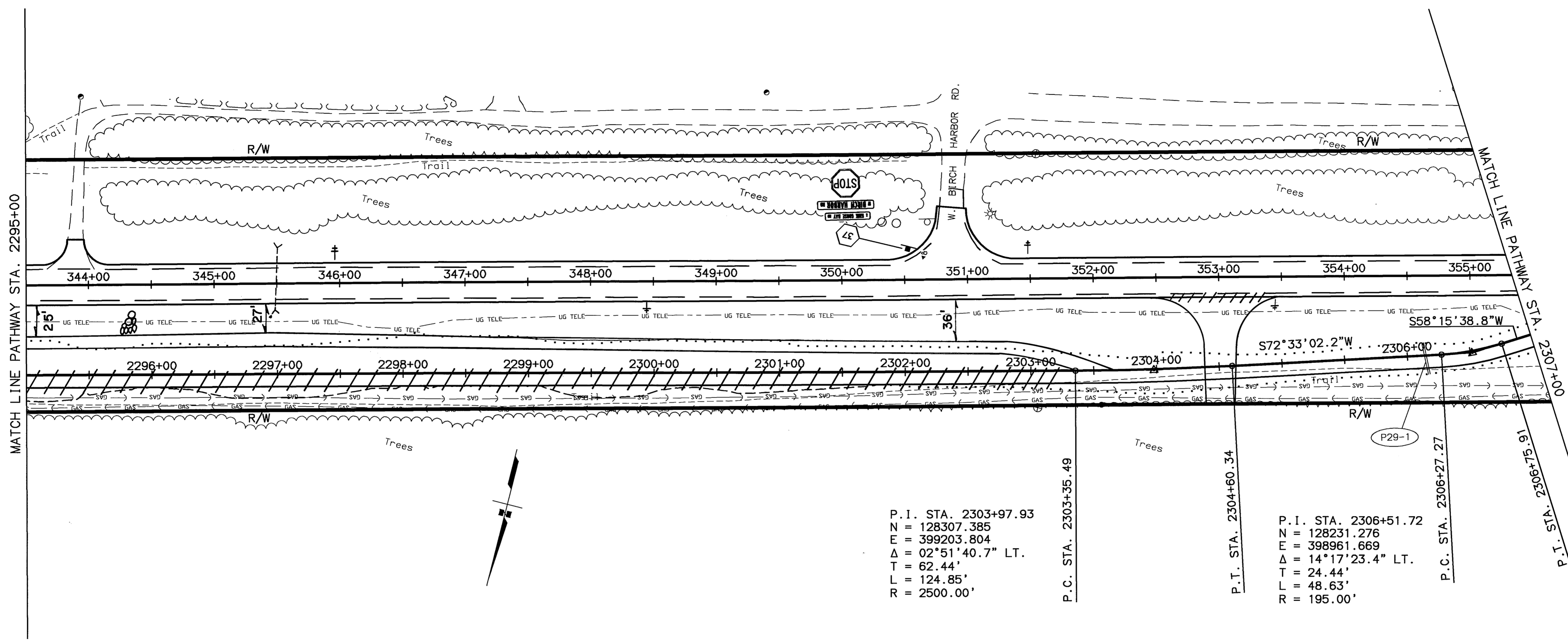
SPECIFICATIONS XREFS: BASE KGB DWG, PROF KGB DWG, MAP SIDE DWG, SCALE 1"=40', COMPUTER DESIGNATION AUTOCAD-PATTI/ANESSA-582223A/PANSP KGB DWG, VIEW# F28, DESIGNED BY RL/VJS, CHECKED BY RL/VJS, DRAFTED BY RL/VJS, 04/02/2003



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**KNIK-GOOSE BAY ROAD
 REHABILITATION
 AND PATHWAY**
 PATHWAY
 PLAN AND PROFILE

THOMAS P. MOLL
 CE 9494
 REGISTERED PROFESSIONAL ENGINEER

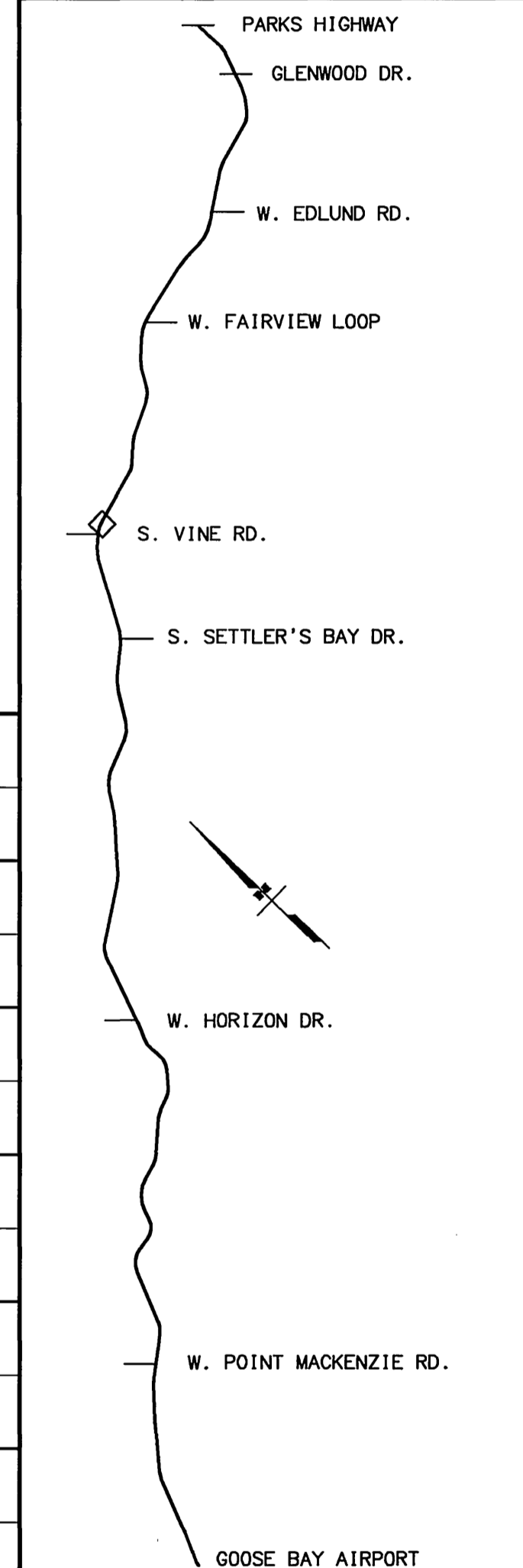
SHEET NO.	TOTAL SHEETS	
F29	F65	
STATE	YEAR	
ALASKA	2003	
PROJECT DESIGNATION		
CA-0525(11)/53922		
ADDENDUM NO.		
ATTACHMENT NO.		
REVISIONS		
NO.	DATE	DESCRIPTION



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**KNIK-GOOSE BAY ROAD
 REHABILITATION
 AND PATHWAY**
 PATHWAY
 PLAN AND PROFILE

SPECIFICATIONS SCALE 1"=50' COMPUTER DESIGNATION
 XREFS: BASE_JOB.DWG, PROF_JOB.DWG, MAP_SIDE.DWG, AUTOCAD-PATHWAY/ANESSA-399223/ANP_JOB.DWG
 VIEW: P29
 DESIGNED BY
 CHECKED BY
 DRAFTED BY
 04/02/2003

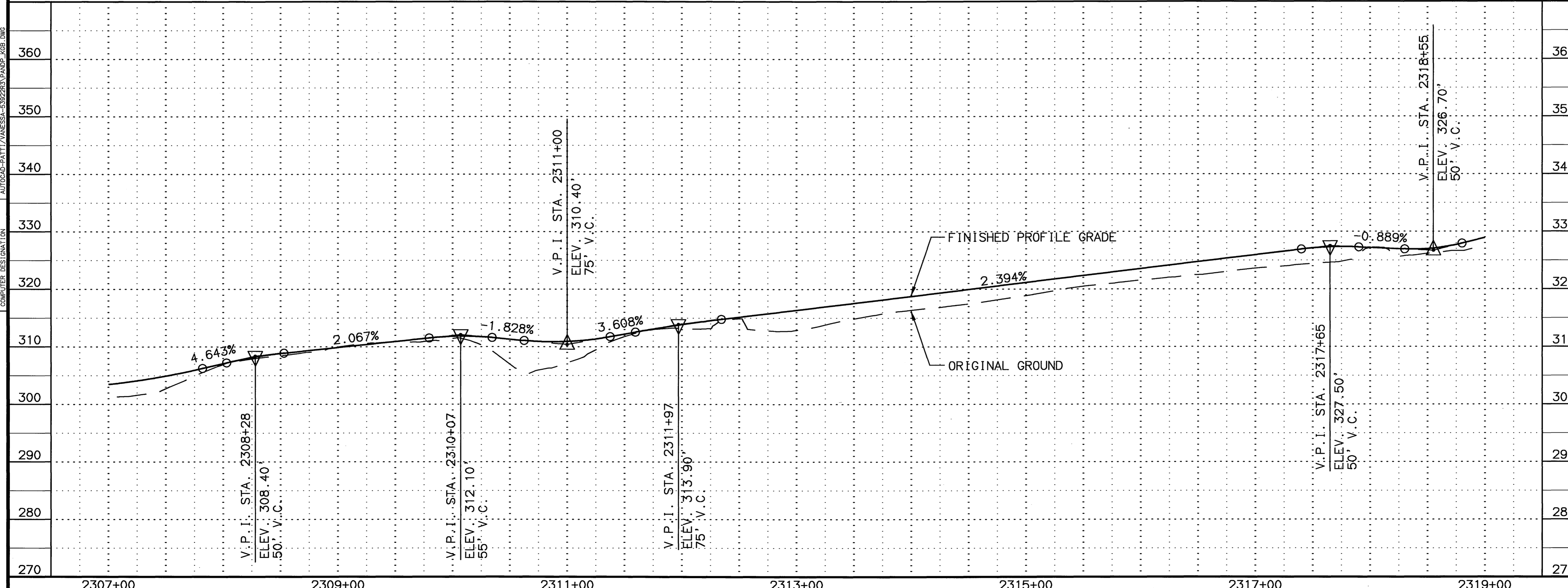
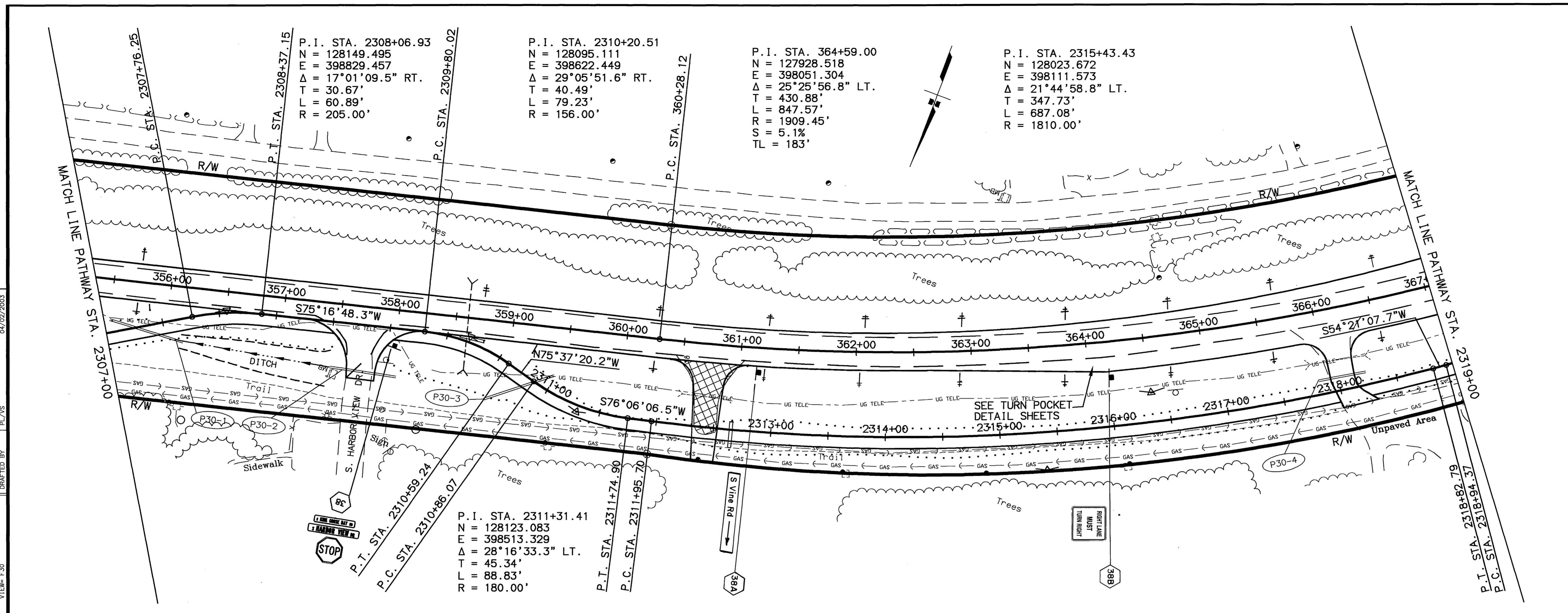
SHEET NO.	TOTAL SHEETS	
F30	F65	
STATE	YEAR	
ALASKA	2003	
PROJECT DESIGNATION		
CA-0525(11)/53922		
ADDENDUM NO.		
ATTACHMENT NO.		
REVISIONS		
NO.	DATE	DESCRIPTION



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES

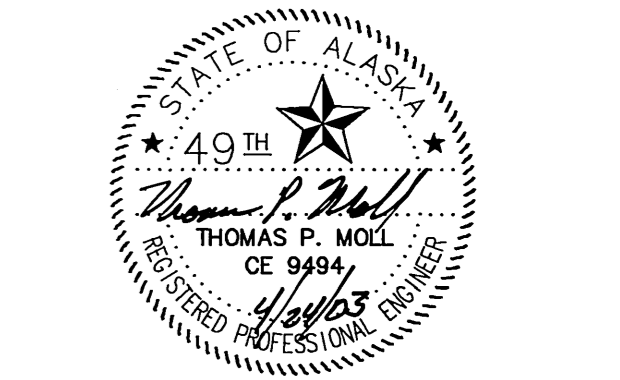
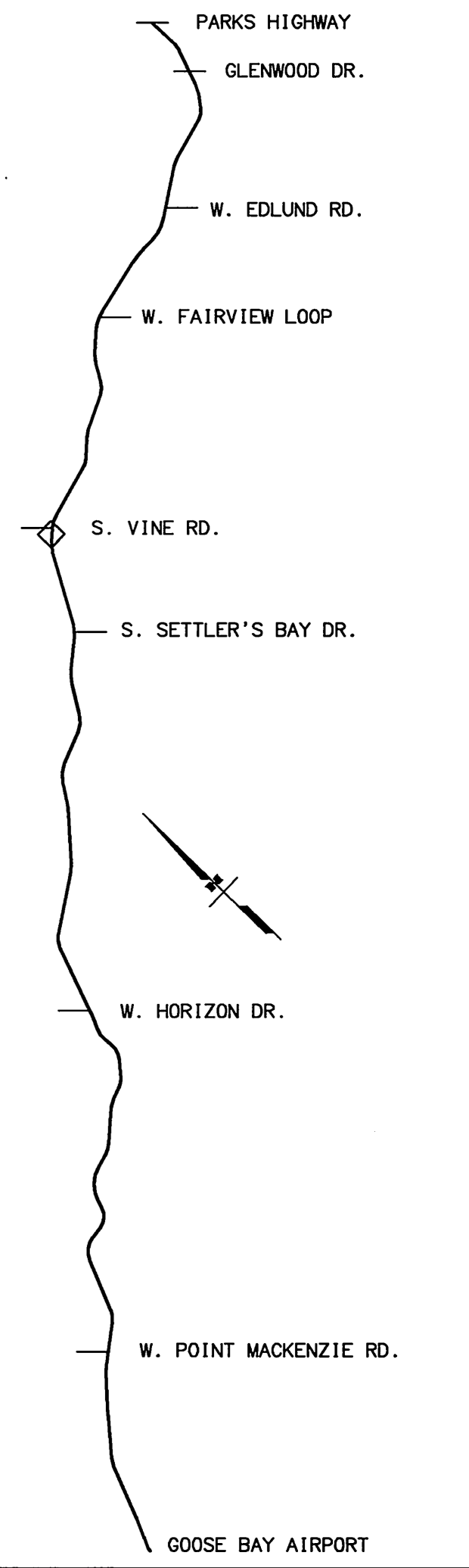
**KNIK-GOOSE BAY ROAD
 REHABILITATION
 AND PATHWAY**

PATHWAY
 PLAN AND PROFILE



SPECIFICATIONS: XREFS: BASE, KGB, DWG, PROF, KGB, DWG, MAP, SIDE, DWG, SCALE: 1"=50' COMPUTER DESIGNATION: AUTOCAD-PATH/ALASKA-53922(11)/PANDP, KGB, DWG
 DESIGNED BY: PL/VIS
 CHECKED BY: PL/VIS
 DRAFTED BY: PL/VIS
 DATE: 04/02/2003
 VIEW: F30

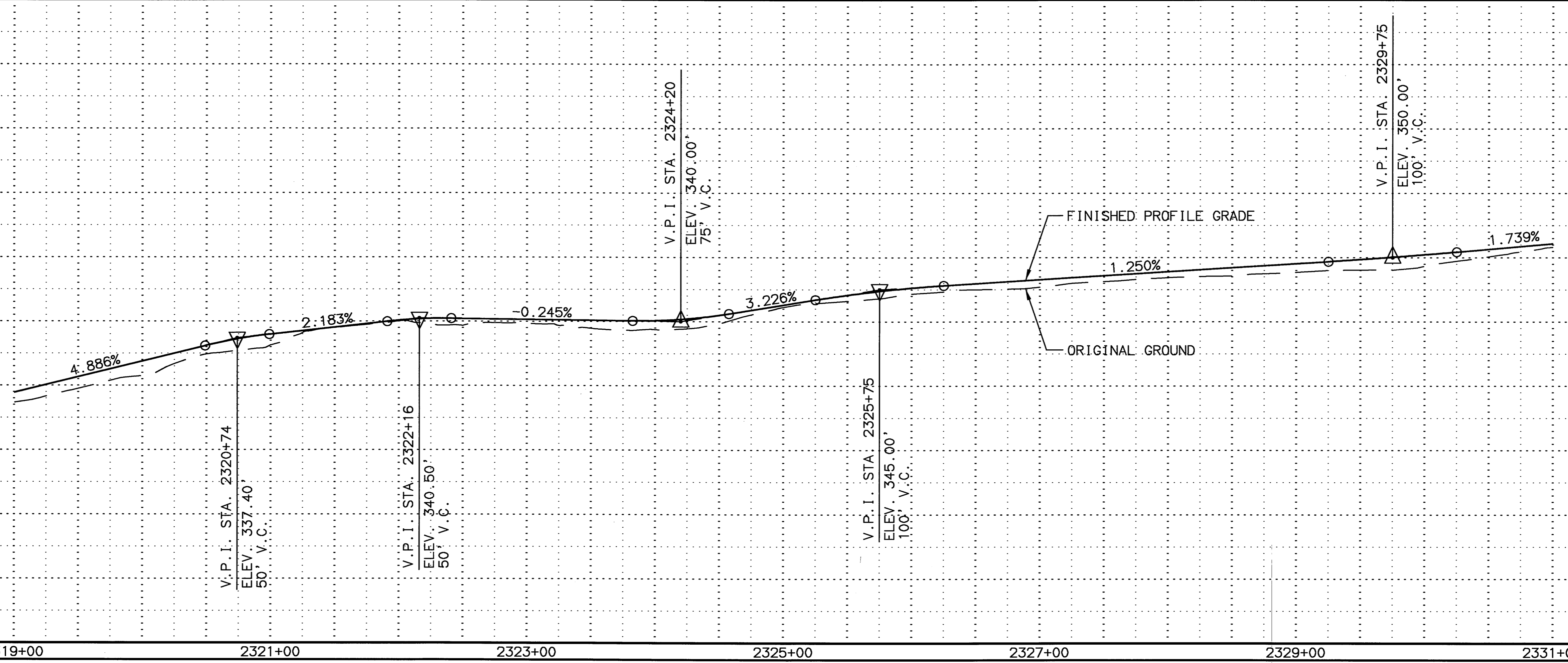
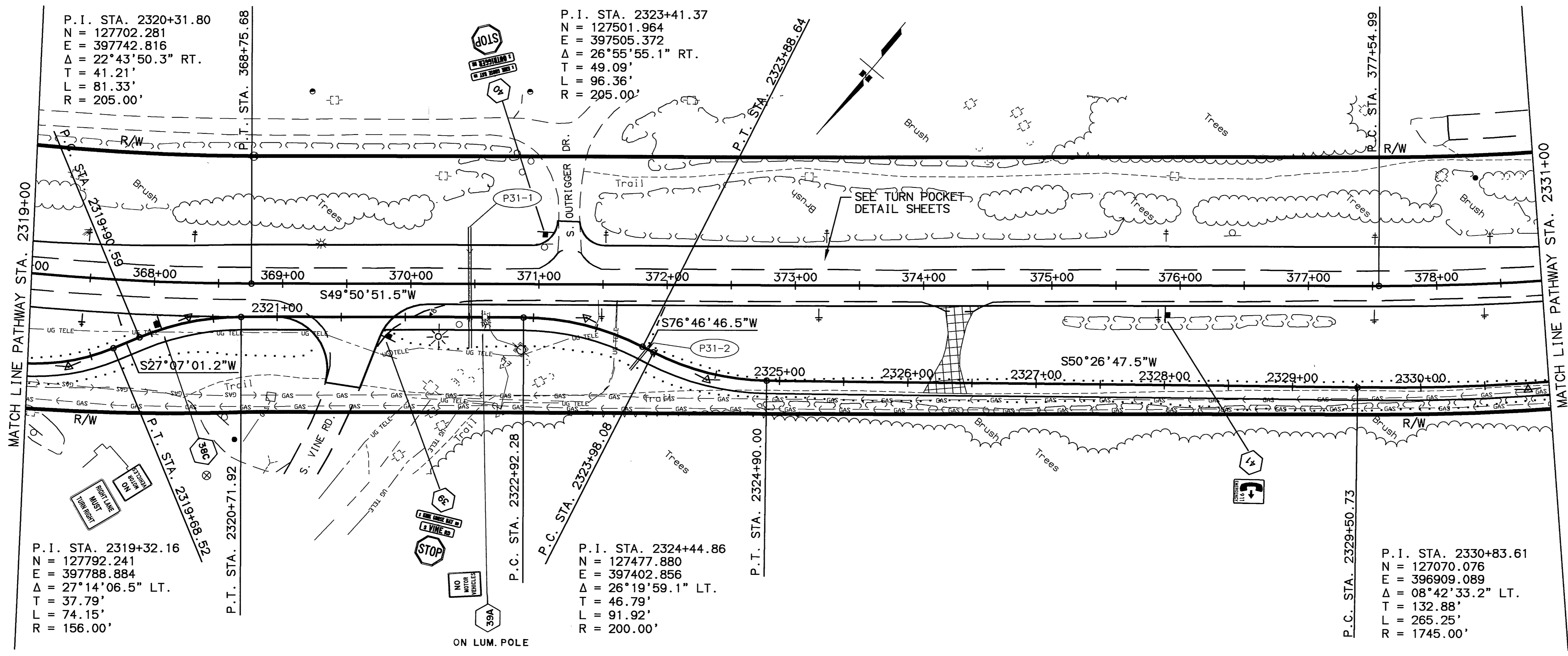
SHEET NO.	TOTAL SHEETS	
F31	F65	
STATE	YEAR	
ALASKA	2003	
PROJECT DESIGNATION		
CA-0525(11)/53922		
ADDENDUM NO.		
ATTACHMENT NO.		
REVISIONS		
NO.	DATE	DESCRIPTION



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

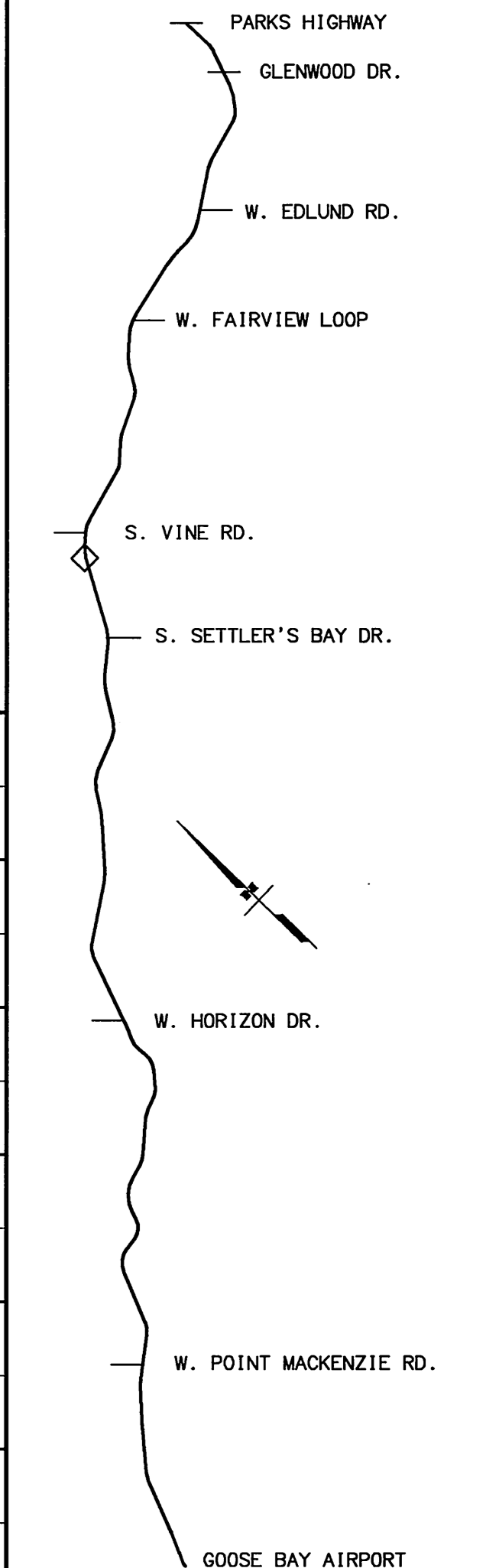
**KNIK-GOOSE BAY ROAD
REHABILITATION
AND PATHWAY**

PATHWAY
PLAN AND PROFILE



SPECIFICATIONS: XREFS: BASE KGB DWG: PROF: GGB DWG: MAP: STR: DWG: SCALE: 1"=40'
 COMPUTER DESIGNATION: AUTOCAD-PATHWAY/ANALYSIS-SUBSTRANS/PLAN/PROF: GGB DWG: VIEW: F31
 DESIGNED BY: RZ/AS
 DRAFTED BY: RZ/AS
 DATE: 04/02/2003

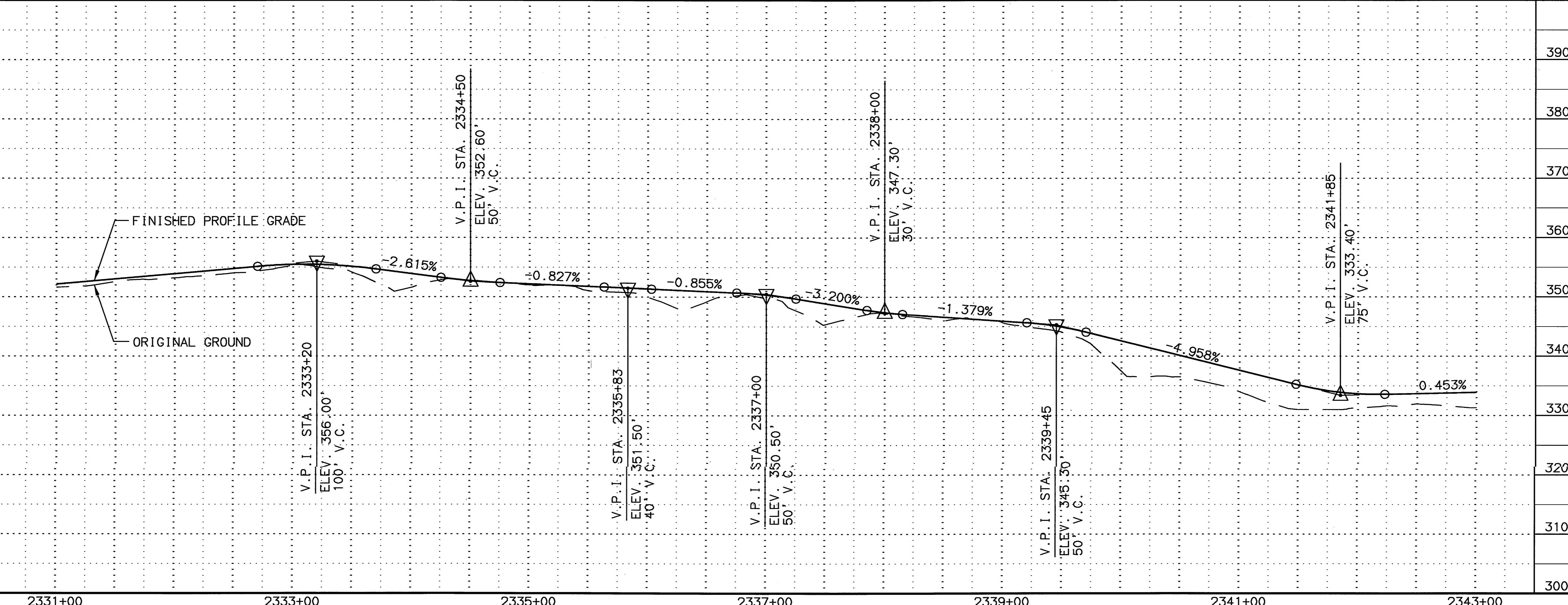
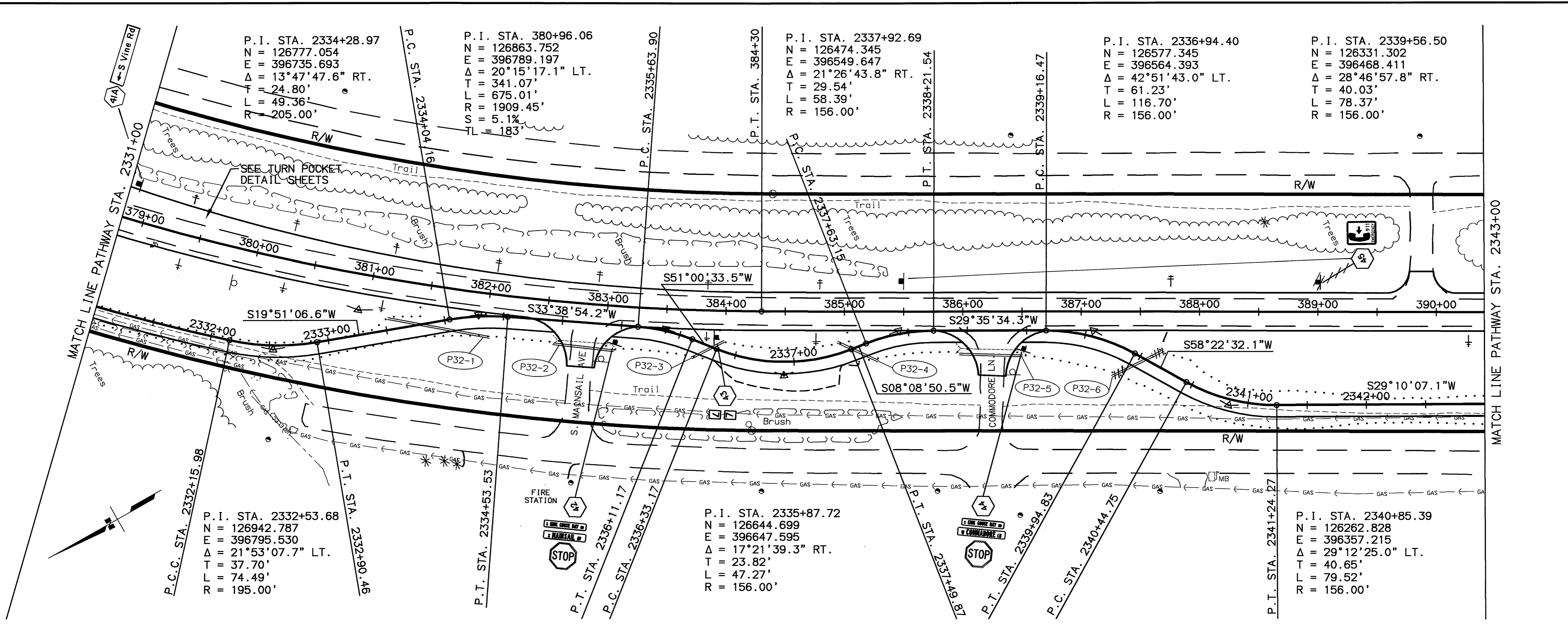
SHEET NO.	TOTAL SHEETS	
F32	F65	
STATE	YEAR	
ALASKA	2003	
PROJECT DESIGNATION		
CA-0525(11)/53922		
ADDENDUM NO.		
ATTACHMENT NO.		
REVISIONS		
NO.	DATE	DESCRIPTION



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES

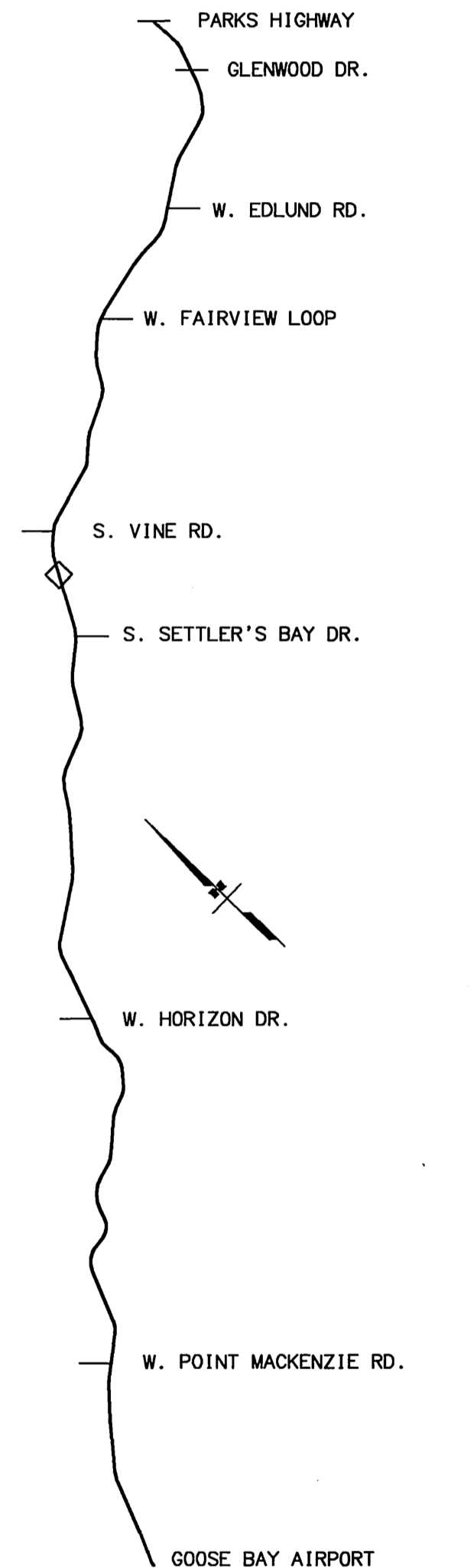
KNIK-GOOSE BAY ROAD
 REHABILITATION
 AND PATHWAY

PATHWAY
 PLAN AND PROFILE



SPECIFICATIONS: XREFS: BASE_KGB.DWG, PROF_KGB.DWG, MAP_SIDE.DWG, AUTOGRID.PATTI/ANASSA-53922RXPANDP_KGB.DWG
 SCALE: 1"=50' COMPUTER DESIGNATION: VIEW: F32
 DESIGNED BY: P/L/VS CHECKED BY: P/L/VS DRAFTED BY: P/L/VS
 04/02/2003

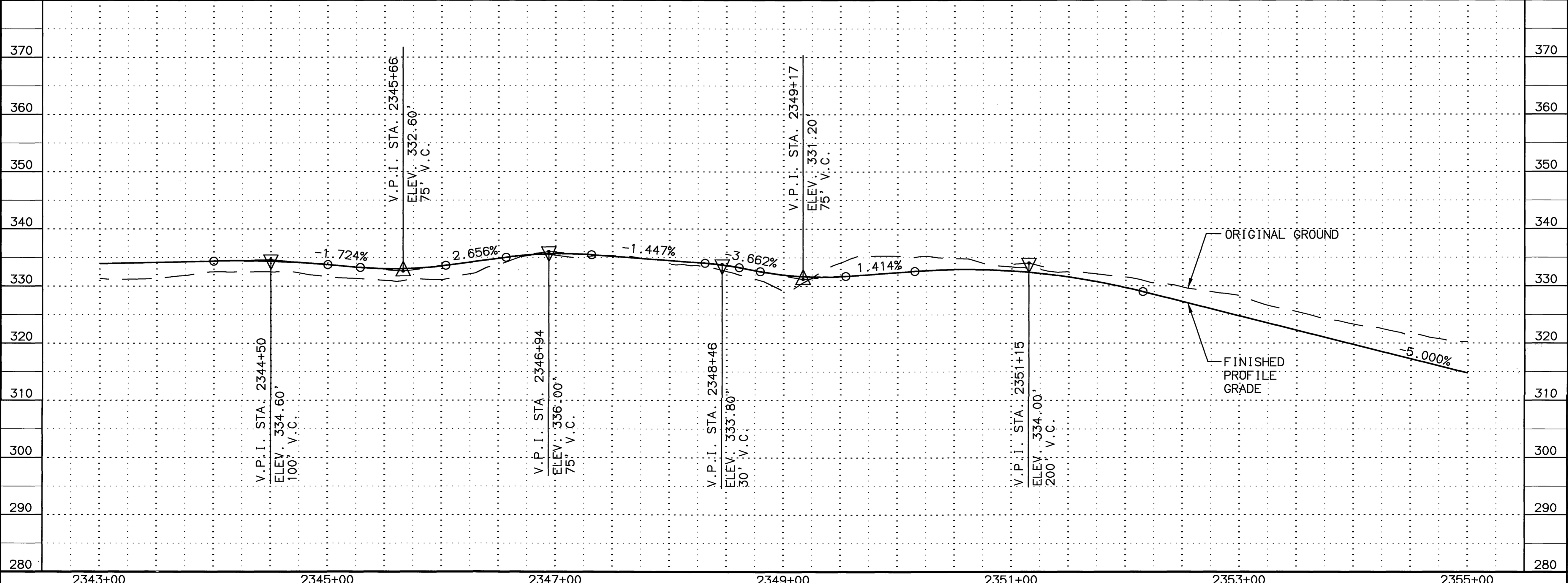
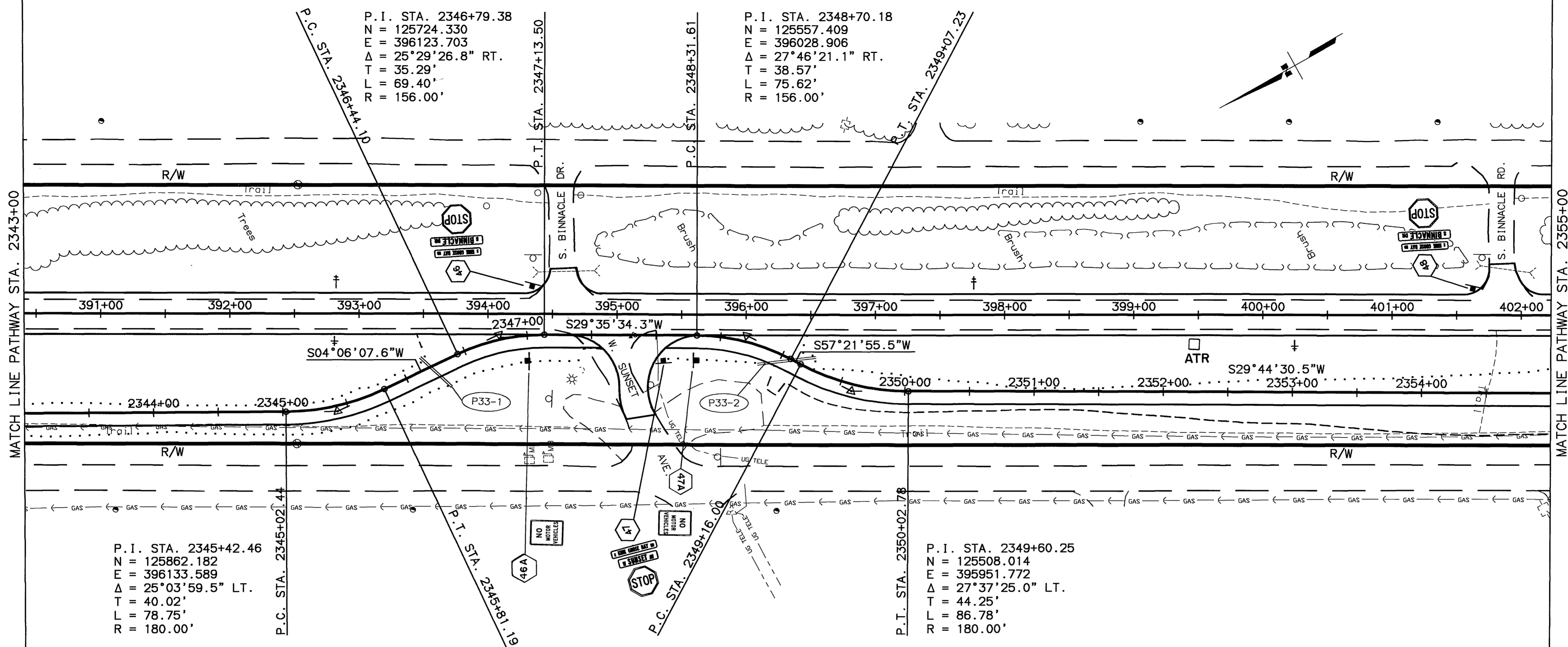
SHEET NO.	TOTAL SHEETS	
F33	F65	
STATE	YEAR	
ALASKA	2003	
PROJECT DESIGNATION		
CA-0525(11)/53922		
ADDENDUM NO.		
ATTACHMENT NO.		
REVISIONS		
NO.	DATE	DESCRIPTION



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES

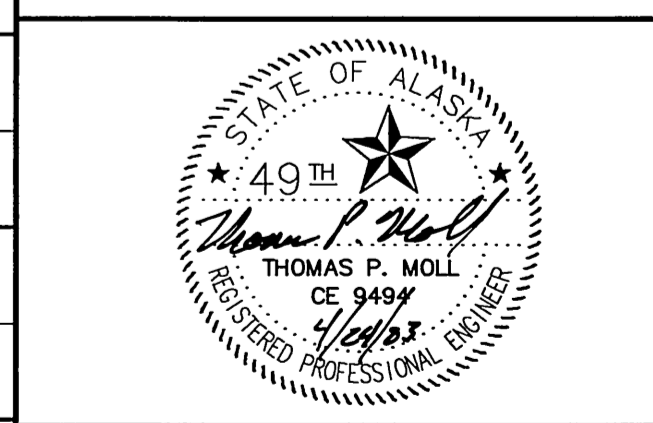
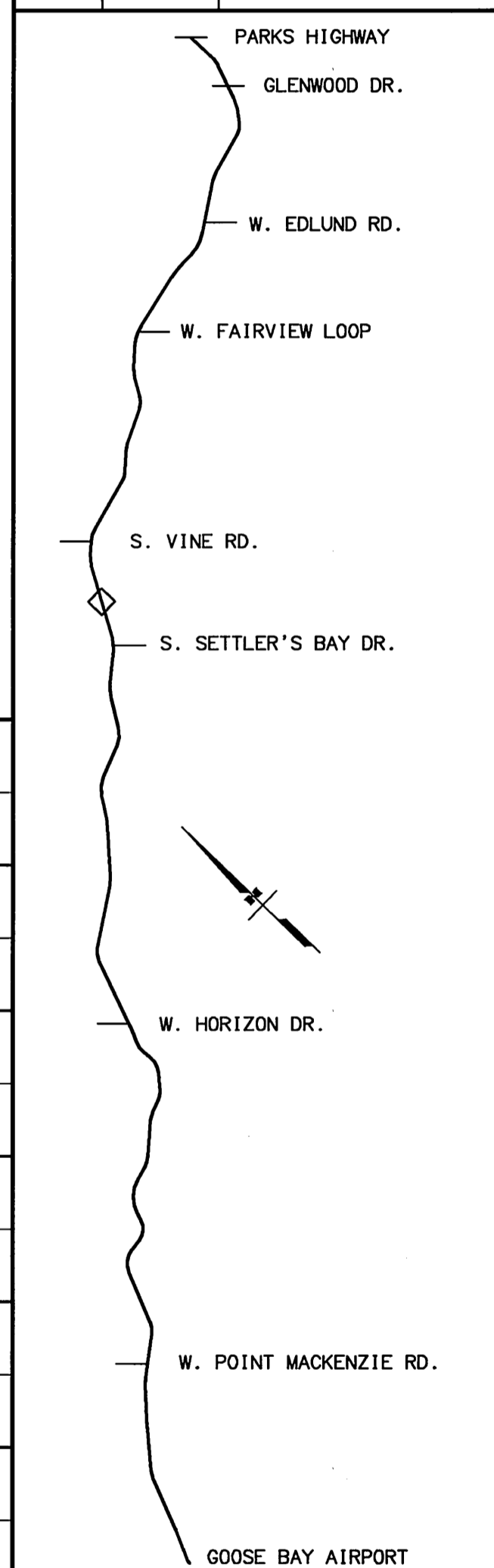
KNIK-GOOSE BAY ROAD
 REHABILITATION
 AND PATHWAY

PATHWAY
 PLAN AND PROFILE



SPECIFICATIONS: XREFS: BASE L&B DWG. PROF. L&B DWG. MAP SITE DWG. SCALE: 1"=40'. COMPUTER DESIGNATION: AUTOCAD-PLOT/ANALYSIS-532233/3/3/ANDP/53922.DWG. VIEW: F33. DESIGNED BY: P.L/V.S. DRAFTED BY: P.L/V.S. DATE: 04/02/2003.

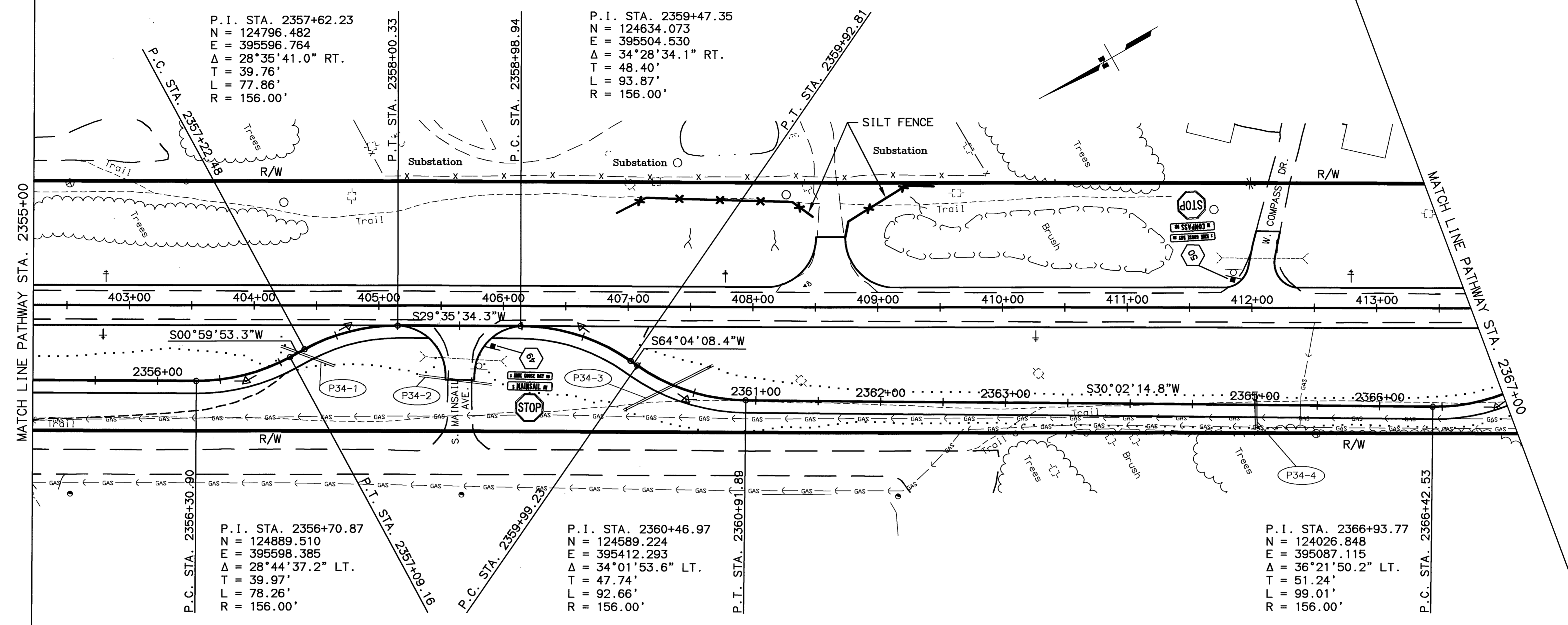
SHEET NO.	TOTAL SHEETS	
F34	F65	
STATE	YEAR	
ALASKA	2003	
PROJECT DESIGNATION		
CA-0525(11)/53922		
ADDENDUM NO.		
ATTACHMENT NO.		
REVISIONS		
NO.	DATE	DESCRIPTION



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

**KNIK-GOOSE BAY ROAD
REHABILITATION
AND PATHWAY**

PATHWAY
PLAN AND PROFILE



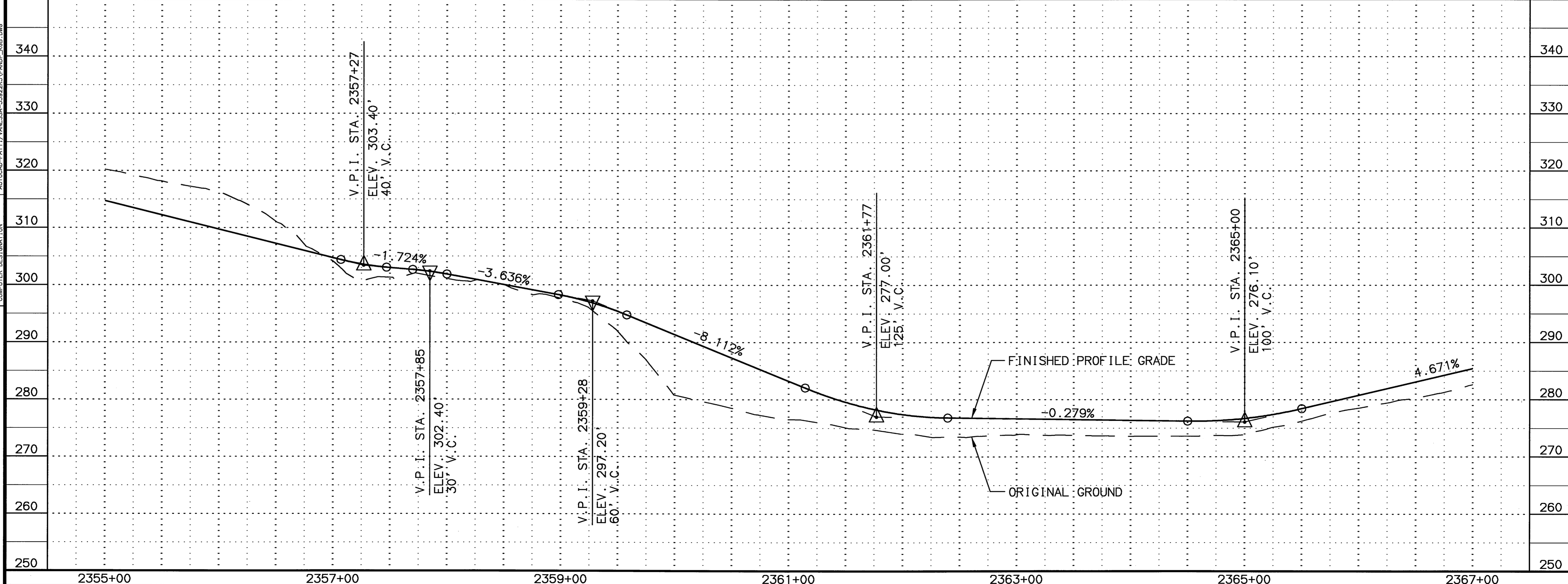
P.I. STA. 2357+62.23
N = 124796.482
E = 395596.764
Δ = 28°35'41.0" RT.
T = 39.76'
L = 77.86'
R = 156.00'

P.I. STA. 2359+47.35
N = 124634.073
E = 395504.530
Δ = 34°28'34.1" RT.
T = 48.40'
L = 93.87'
R = 156.00'

P.I. STA. 2356+70.87
N = 124889.510
E = 395598.385
Δ = 28°44'37.2" LT.
T = 39.97'
L = 78.26'
R = 156.00'

P.I. STA. 2360+46.97
N = 124589.224
E = 395412.293
Δ = 34°01'53.6" LT.
T = 47.74'
L = 92.66'
R = 156.00'

P.I. STA. 2366+93.77
N = 124026.848
E = 395087.115
Δ = 36°21'50.2" LT.
T = 51.24'
L = 99.01'
R = 156.00'



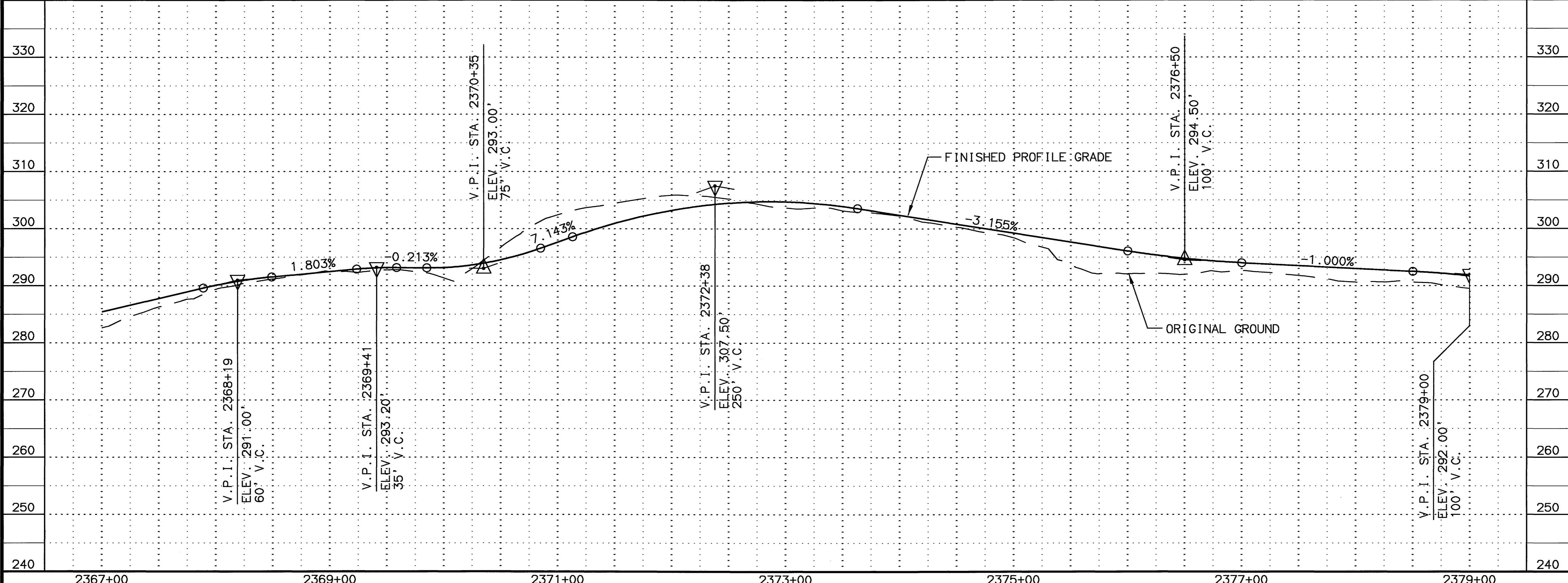
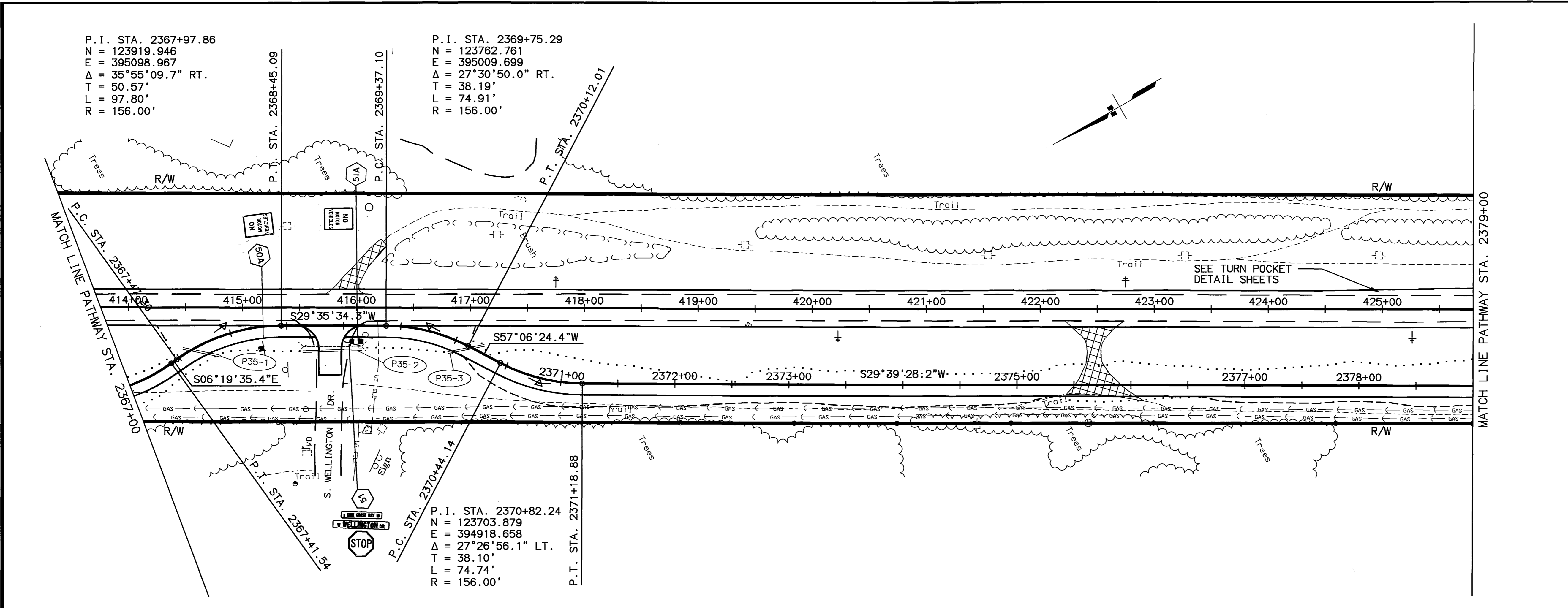
SPECIFICATIONS: XREFS: BASE_XGB.DWG, PROF_XGB.DWG, MAP_S1.DWG, MAP_S2.DWG, MAP_S3.DWG, MAP_S4.DWG, MAP_S5.DWG, MAP_S6.DWG, MAP_S7.DWG, MAP_S8.DWG, MAP_S9.DWG, MAP_S10.DWG, MAP_S11.DWG, MAP_S12.DWG, MAP_S13.DWG, MAP_S14.DWG, MAP_S15.DWG, MAP_S16.DWG, MAP_S17.DWG, MAP_S18.DWG, MAP_S19.DWG, MAP_S20.DWG, MAP_S21.DWG, MAP_S22.DWG, MAP_S23.DWG, MAP_S24.DWG, MAP_S25.DWG, MAP_S26.DWG, MAP_S27.DWG, MAP_S28.DWG, MAP_S29.DWG, MAP_S30.DWG, MAP_S31.DWG, MAP_S32.DWG, MAP_S33.DWG, MAP_S34.DWG, MAP_S35.DWG, MAP_S36.DWG, MAP_S37.DWG, MAP_S38.DWG, MAP_S39.DWG, MAP_S40.DWG, MAP_S41.DWG, MAP_S42.DWG, MAP_S43.DWG, MAP_S44.DWG, MAP_S45.DWG, MAP_S46.DWG, MAP_S47.DWG, MAP_S48.DWG, MAP_S49.DWG, MAP_S50.DWG, MAP_S51.DWG, MAP_S52.DWG, MAP_S53.DWG, MAP_S54.DWG, MAP_S55.DWG, MAP_S56.DWG, MAP_S57.DWG, MAP_S58.DWG, MAP_S59.DWG, MAP_S60.DWG, MAP_S61.DWG, MAP_S62.DWG, MAP_S63.DWG, MAP_S64.DWG, MAP_S65.DWG, MAP_S66.DWG, MAP_S67.DWG, MAP_S68.DWG, MAP_S69.DWG, MAP_S70.DWG, MAP_S71.DWG, MAP_S72.DWG, MAP_S73.DWG, MAP_S74.DWG, MAP_S75.DWG, MAP_S76.DWG, MAP_S77.DWG, MAP_S78.DWG, MAP_S79.DWG, MAP_S80.DWG, MAP_S81.DWG, MAP_S82.DWG, MAP_S83.DWG, MAP_S84.DWG, MAP_S85.DWG, MAP_S86.DWG, MAP_S87.DWG, MAP_S88.DWG, MAP_S89.DWG, MAP_S90.DWG, MAP_S91.DWG, MAP_S92.DWG, MAP_S93.DWG, MAP_S94.DWG, MAP_S95.DWG, MAP_S96.DWG, MAP_S97.DWG, MAP_S98.DWG, MAP_S99.DWG, MAP_S100.DWG
 SCALE: 1"=50'
 COMPUTER DESIGNATION: AUTOCAD-PATHWAY/ANESSA-53922/PANOP_XGB.DWG
 VIEW: F34
 DESIGNED BY: PL/YS
 CHECKED BY:
 DRAFTED BY:
 DATE: 06/02/2003

P.I. STA. 2367+97.86
 N = 123919.946
 E = 395098.967
 $\Delta = 35^\circ 55' 09.7''$ RT.
 T = 50.57'
 L = 97.80'
 R = 156.00'

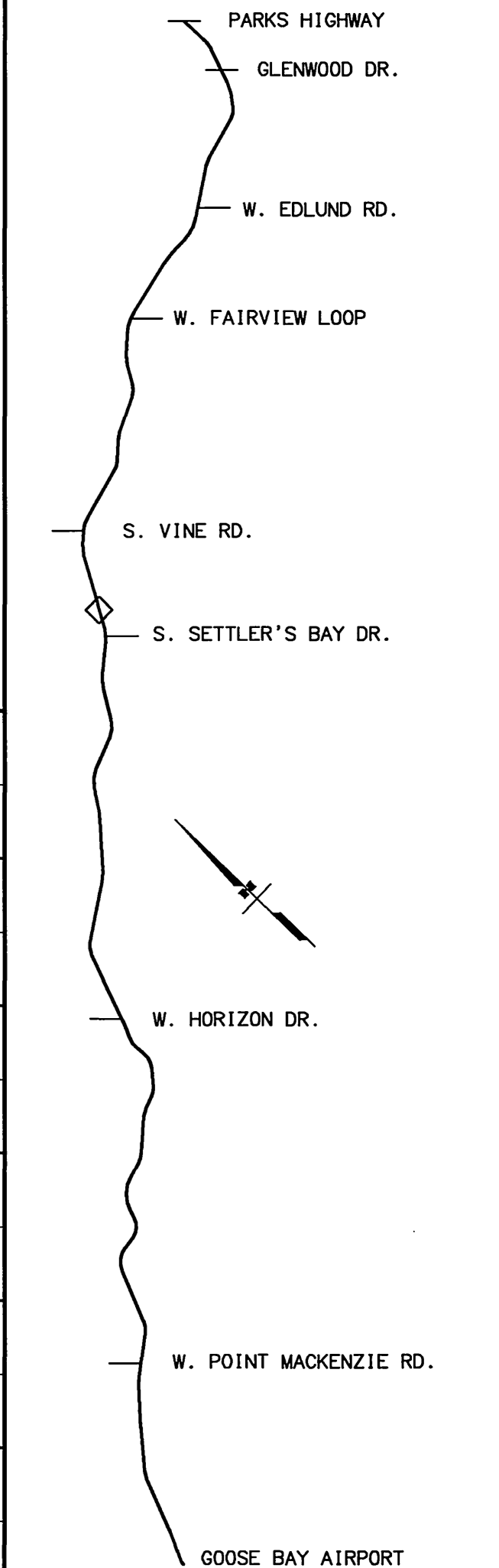
P.I. STA. 2369+75.29
 N = 123762.761
 E = 395009.699
 $\Delta = 27^\circ 30' 50.0''$ RT.
 T = 38.19'
 L = 74.91'
 R = 156.00'

P.I. STA. 2370+82.24
 N = 123703.879
 E = 394918.658
 $\Delta = 27^\circ 26' 56.1''$ LT.
 T = 38.10'
 L = 74.74'
 R = 156.00'

DESIGNED BY: R/V/S
 CHECKED BY: R/V/S
 DRAFTED BY: R/V/S
 DATE: 04/22/2003
 VIEW: F35
 XREFS: BASE_KGB.DWG, PROF_KGB.DWG, MAP_SITE.DWG, AUTOCAD-PATHWAY/ANESSA-58222R/PANDP_KGB.DWG
 SPECIFICATIONS: SCALE: 1"=50'
 COMPUTER DESIGNATION



SHEET NO.	TOTAL SHEETS	
F35	F65	
STATE	YEAR	
ALASKA	2003	
PROJECT DESIGNATION		
CA-0525(11)/53922		
ADDENDUM NO.		
ATTACHMENT NO.		
REVISIONS		
NO.	DATE	DESCRIPTION



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES

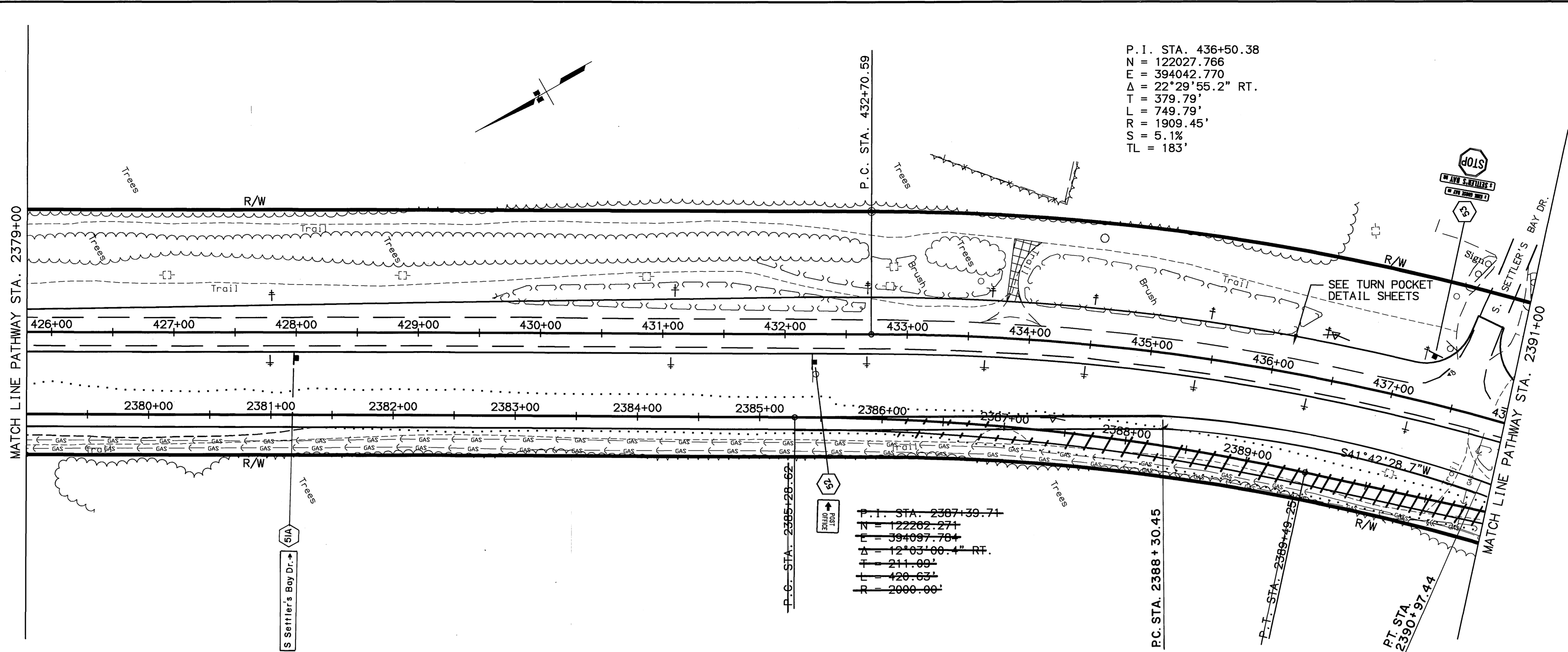
KNIK-GOOSE BAY ROAD
 REHABILITATION
 AND PATHWAY

PATHWAY
 PLAN AND PROFILE

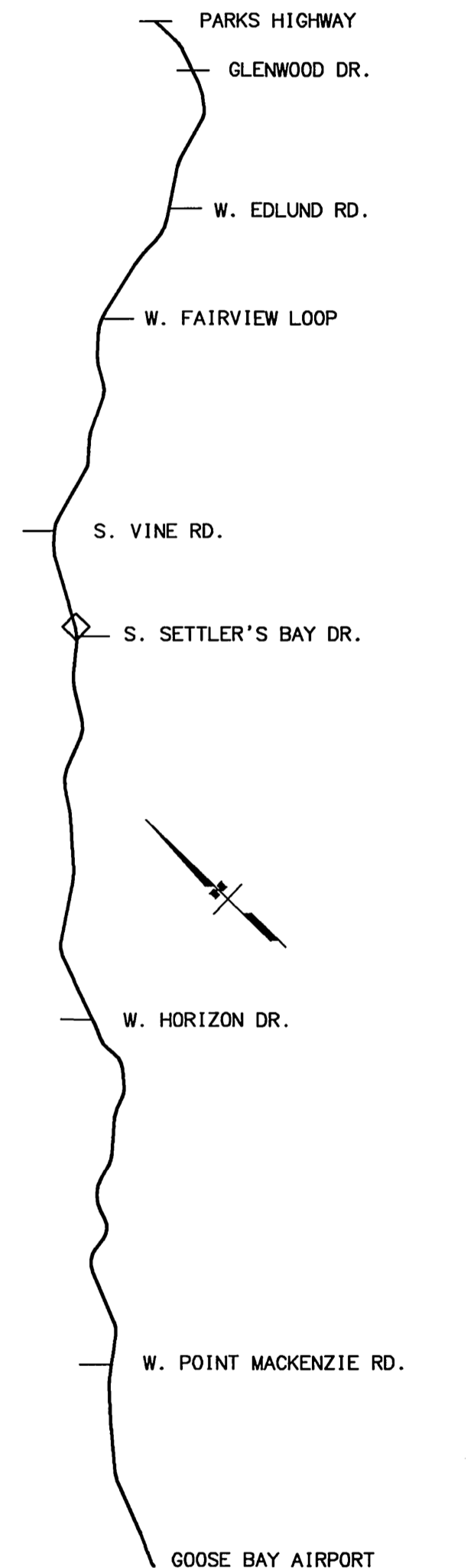
STATE OF ALASKA
 49th
 THOMAS P. MOLL
 CE 9484
 REGISTERED PROFESSIONAL ENGINEER

SHEET NO.	TOTAL SHEETS	
F36	F65	
STATE	YEAR	
ALASKA	2003	
PROJECT DESIGNATION		
CA-0525(11)/53922		
ADDENDUM NO.		
ATTACHMENT NO.		
REVISIONS		
NO.	DATE	DESCRIPTION

P.I. STA. 436+50.38
 N = 122027.766
 E = 394042.770
 $\Delta = 22^{\circ}29'55.2''$ RT.
 T = 379.79'
 L = 749.79'
 R = 1909.45'
 S = 5.1%
 TL = 183'

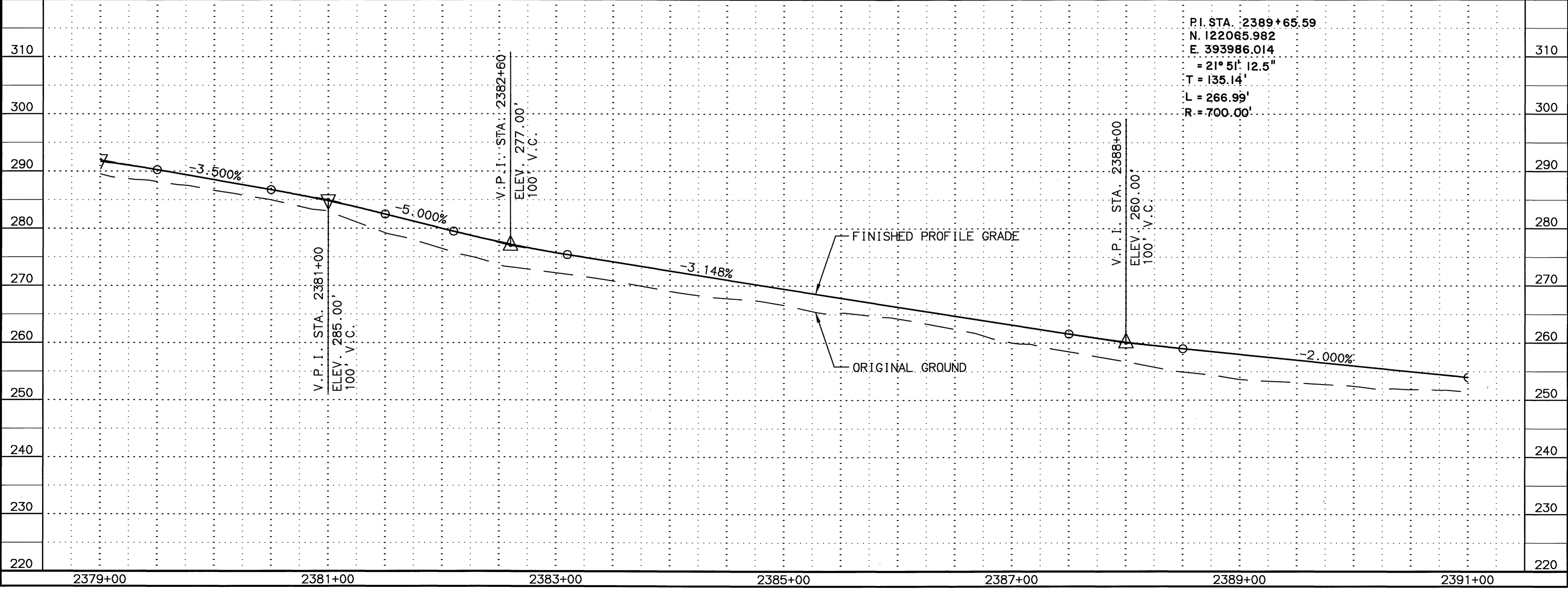


DESIGNED BY: []
 CHECKED BY: []
 DRAFTED BY: []
 DATE: 04/02/2003
 VIEW: F36

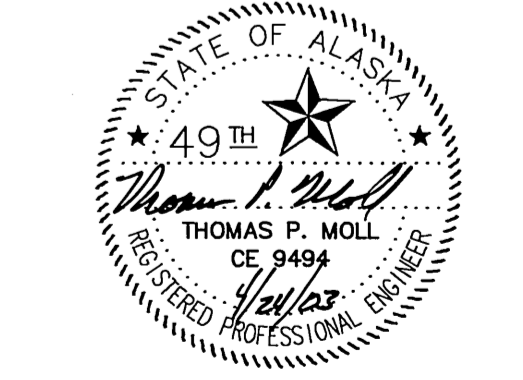


P.I. STA. 2387+39.71
 N = 122262.274
 E = 394097.784
 $\Delta = 12^{\circ}03'00.4''$ RT.
 T = 211.09'
 L = 420.63'
 R = 2000.00'

P.I. STA. 2389+65.59
 N = 122065.982
 E = 393986.014
 $\Delta = 21^{\circ}51'12.5''$
 T = 135.14'
 L = 266.99'
 R = 700.00'

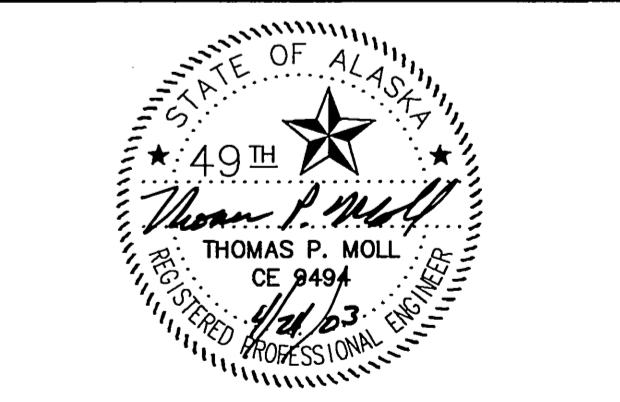
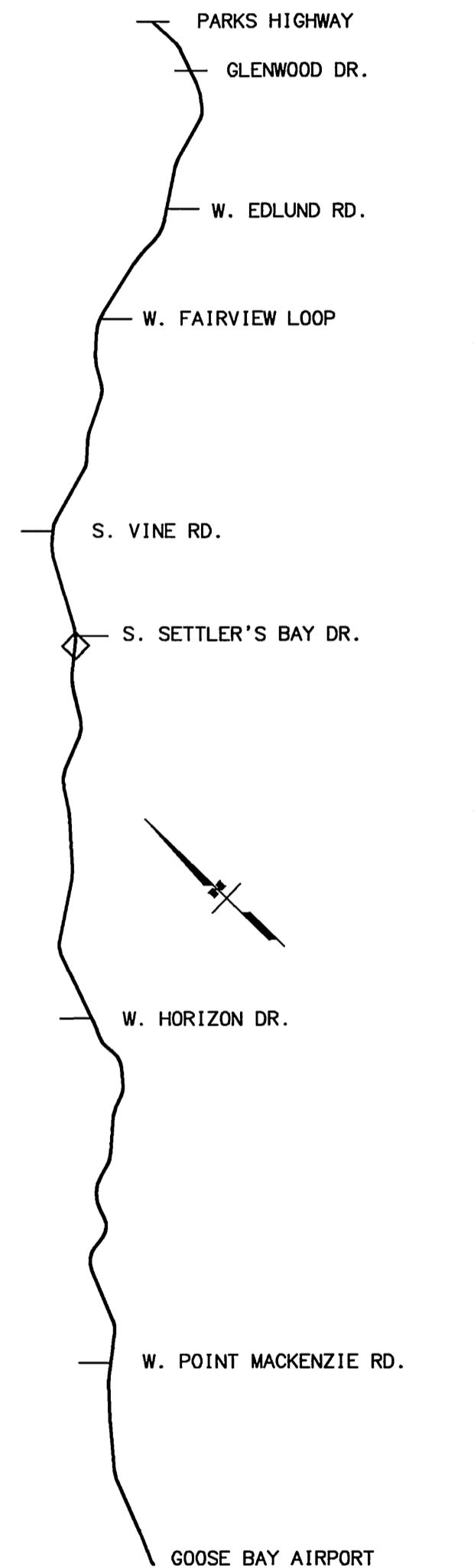


SPECIFICATIONS
 SCALE 1"=50'
 COMPUTER DESIGNATION
 XREFS: BASE KGB.DWG, PROF KGB.DWG, MAP SIDE.DWG
 AUTOCAD PATH: \\MESH-53922\PROF\F36.DWG
 VIEW: F36



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**KNIK-GOOSE BAY ROAD
 REHABILITATION
 AND PATHWAY**
 PATHWAY
 PLAN AND PROFILE

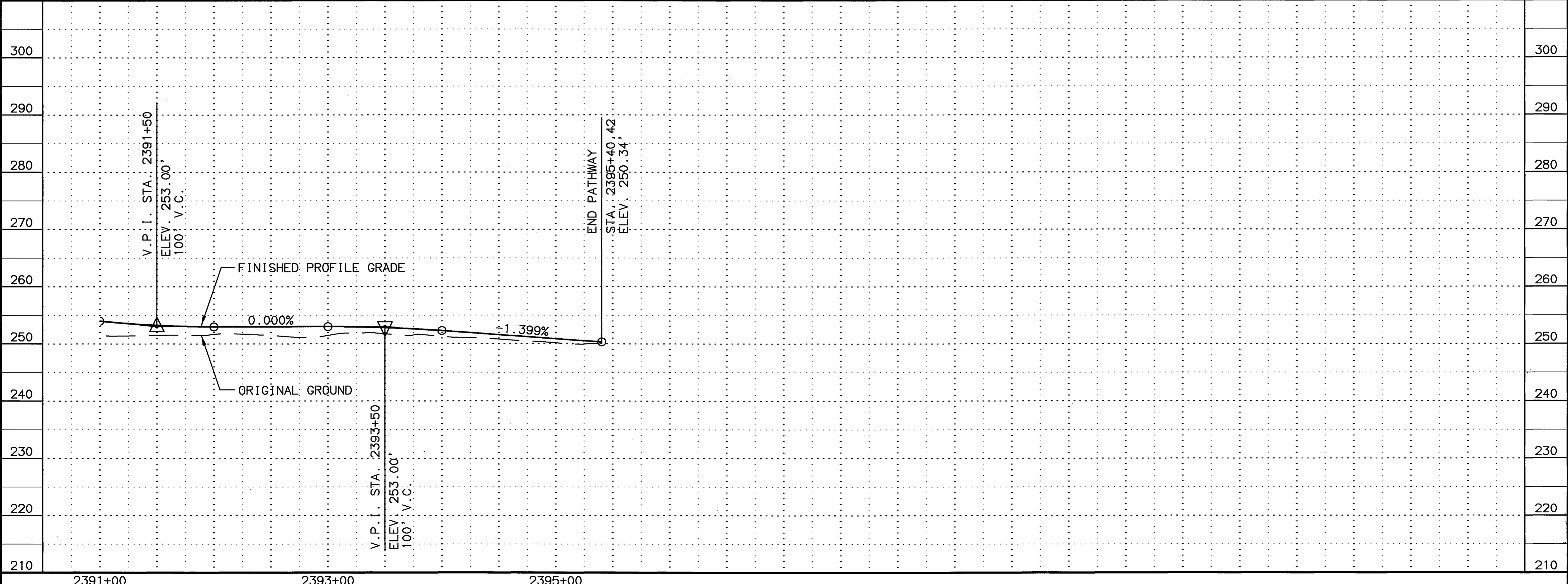
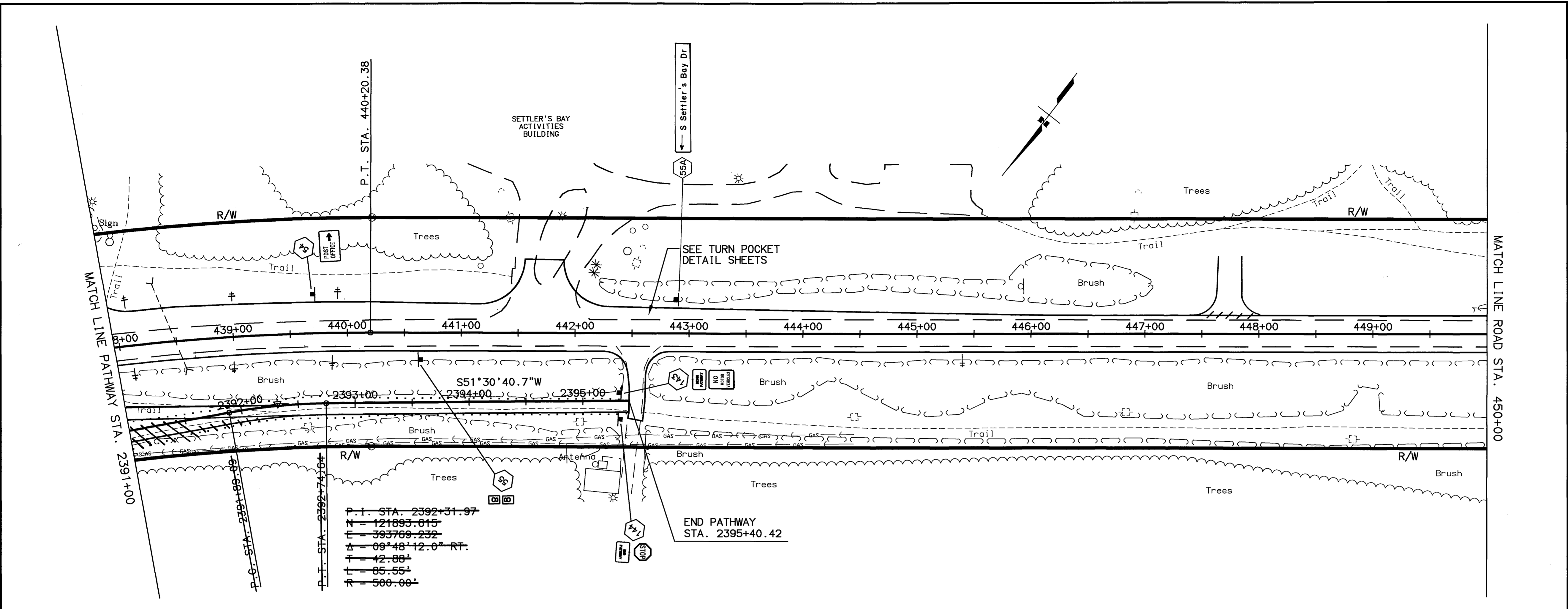
SHEET NO.	TOTAL SHEETS	
F37	F65	
STATE	YEAR	
ALASKA	2003	
PROJECT DESIGNATION		
CA-0525(11)/53922		
ADDENDUM NO.		
ATTACHMENT NO.		
REVISIONS		
NO.	DATE	DESCRIPTION



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

**KNIK-GOOSE BAY ROAD
REHABILITATION
AND PATHWAY**

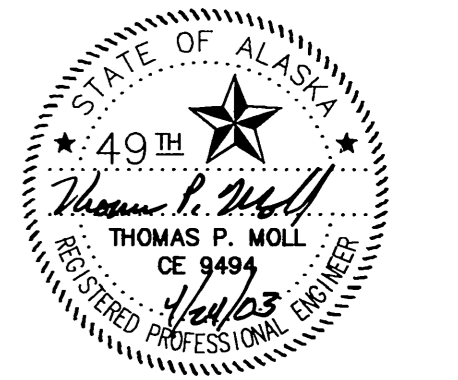
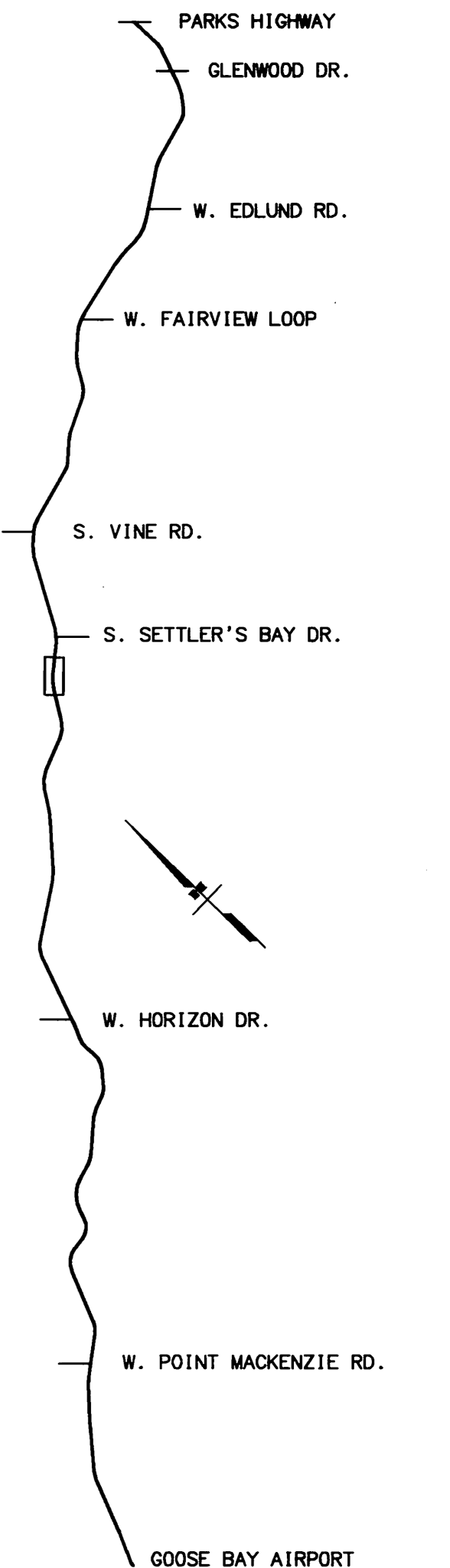
PATHWAY
PLAN AND PROFILE



SPECIFICATIONS: XREFS: BASE L&S DWG, PROF L&S DWG, MAP SIDE DWG, AUTOCAD-PATHWAY/ANALYSIS-532233/ANALYSIS_L&S DWG
 SCALE: 1"=40'
 COMPUTER DESIGNATION: VIEW: F37
 DESIGNED BY: RL/VS
 DRAFTED BY: RL/VS
 DATE: 04/22/2003

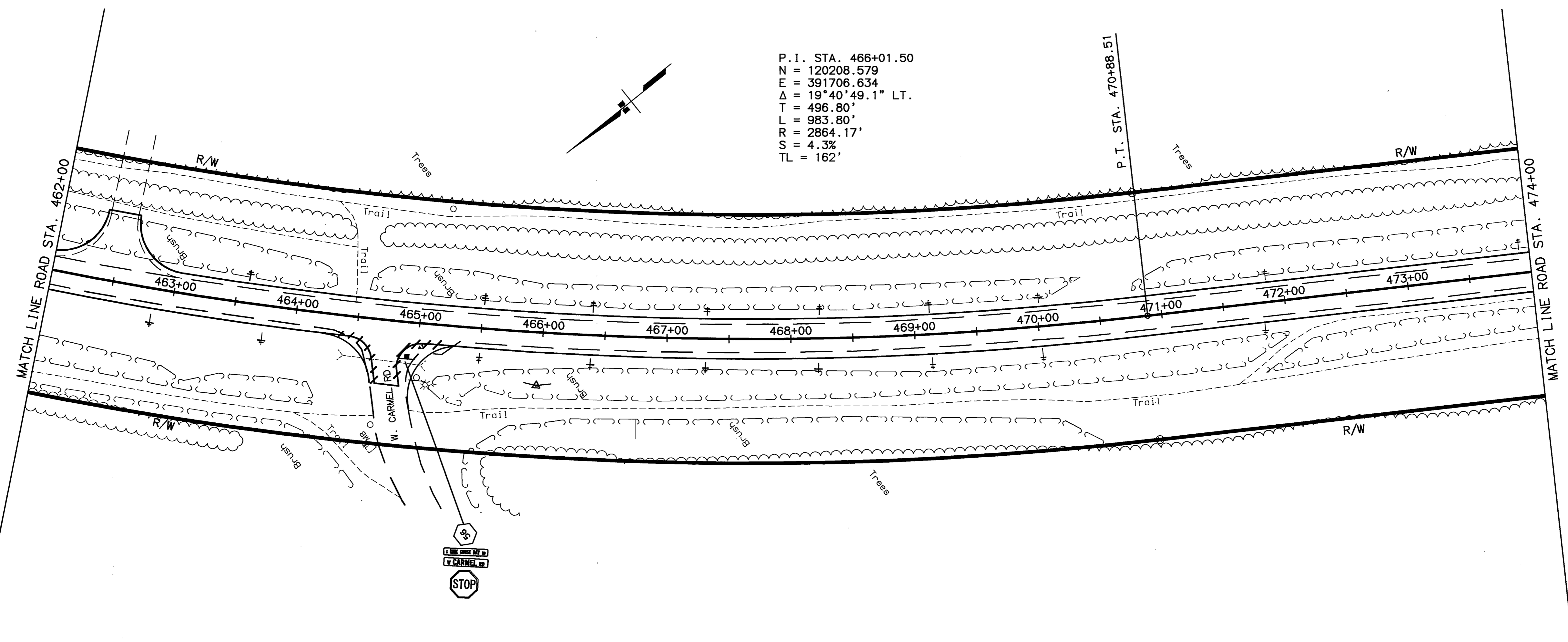
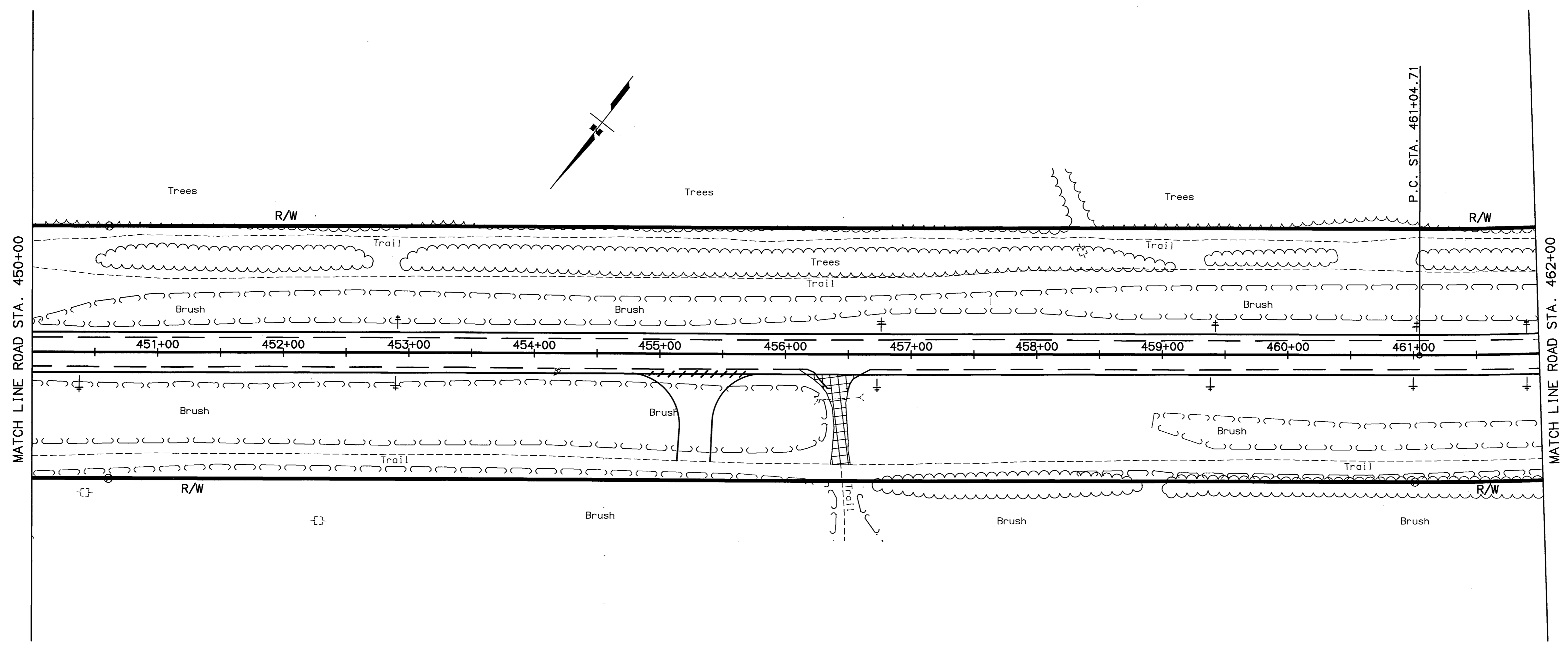
SHEET NO.	TOTAL SHEETS
F38	F65
STATE	YEAR
ALASKA	2003
PROJECT DESIGNATION	
CA-0525(11)/53922	
ADDENDUM NO.	
ATTACHMENT NO.	

REVISIONS		
NO.	DATE	DESCRIPTION



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
**KNIK-GOOSE BAY ROAD
REHABILITATION
AND PATHWAY**

PLAN

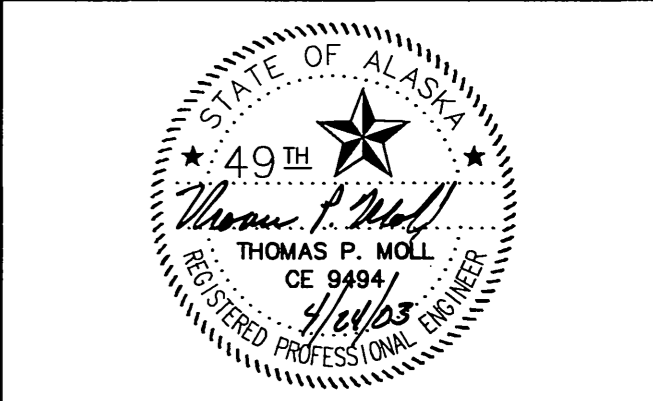
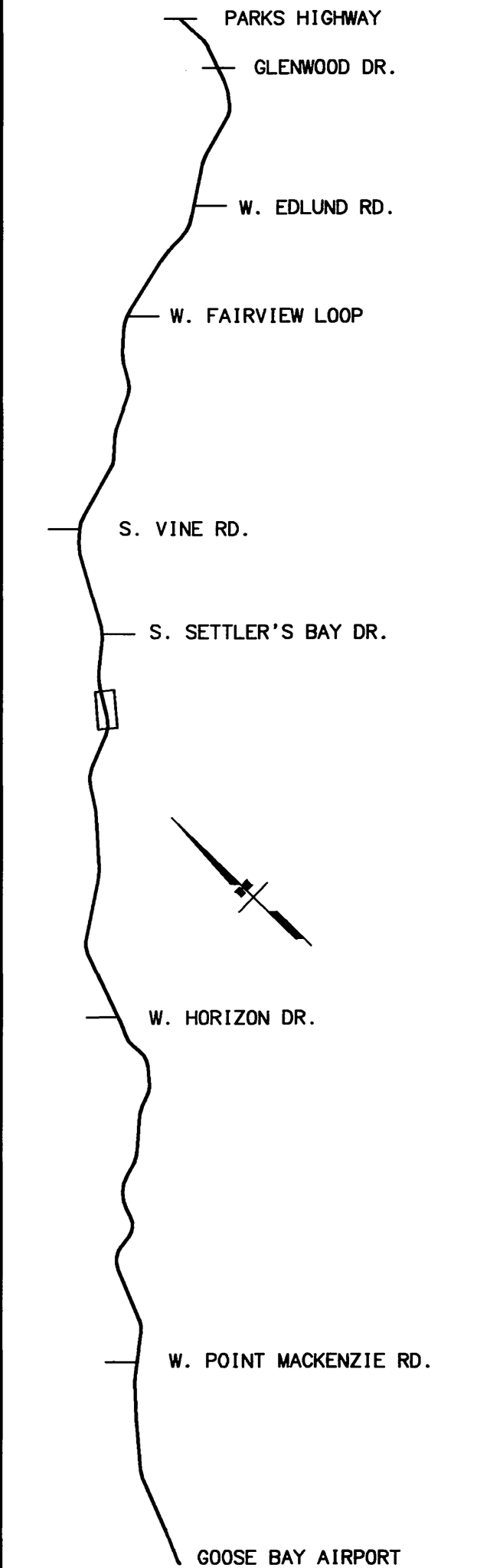


SPECIFICATIONS: SCALE: 1"=30' COMPUTER DESIGNATION: DESIGNED BY: CHECKED BY: DRAFTED BY: REF'S: BASE_KOB.DWG, PROF_KOB.DWG, MAP_SIDE.DWG, AUTOCAD-PATHWAY/MESSA-SBZZRXPANDP_KGB.DWG VIEW: F38 04/11/2003

SHEET NO.	TOTAL SHEETS
F39	F65
STATE	YEAR
ALASKA	2003
PROJECT DESIGNATION	
CA-0525(11)/53922	
ADDENDUM NO.	

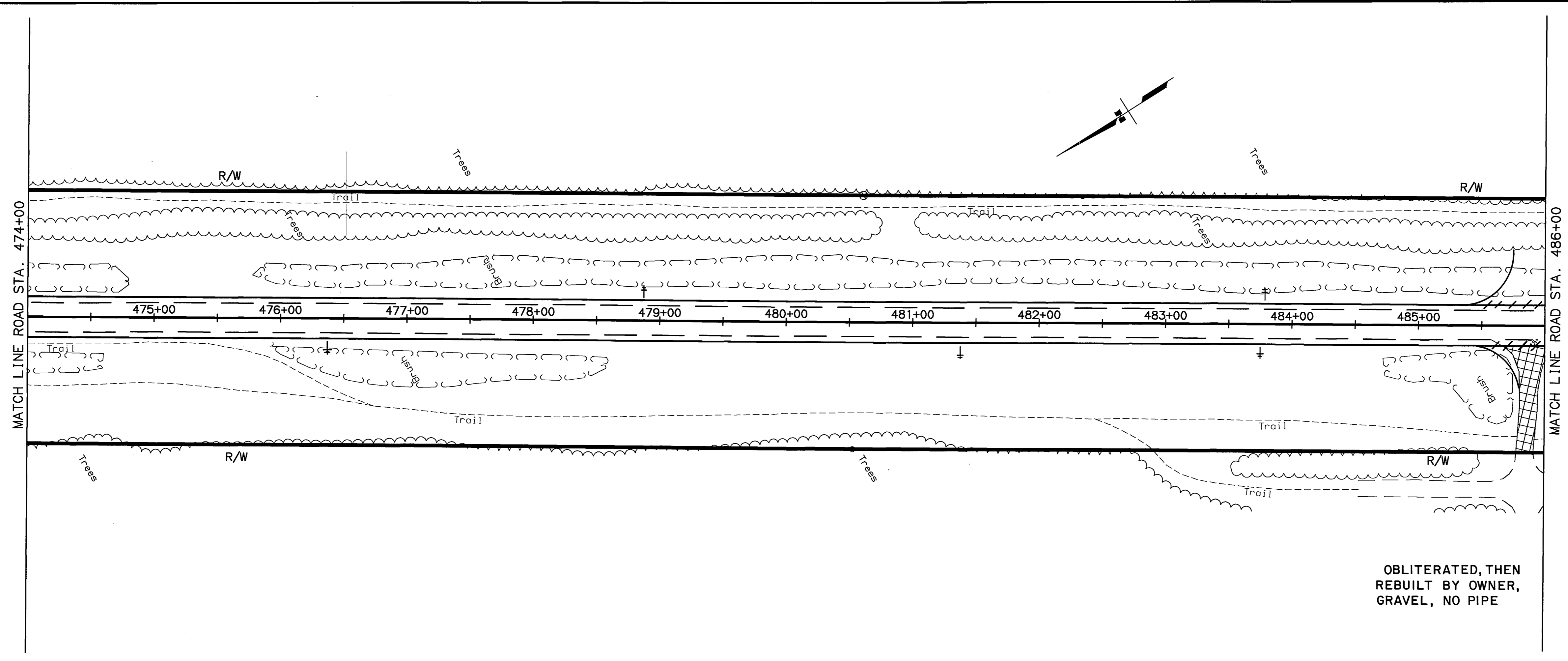
ATTACHMENT NO.

REVISIONS		
NO.	DATE	DESCRIPTION

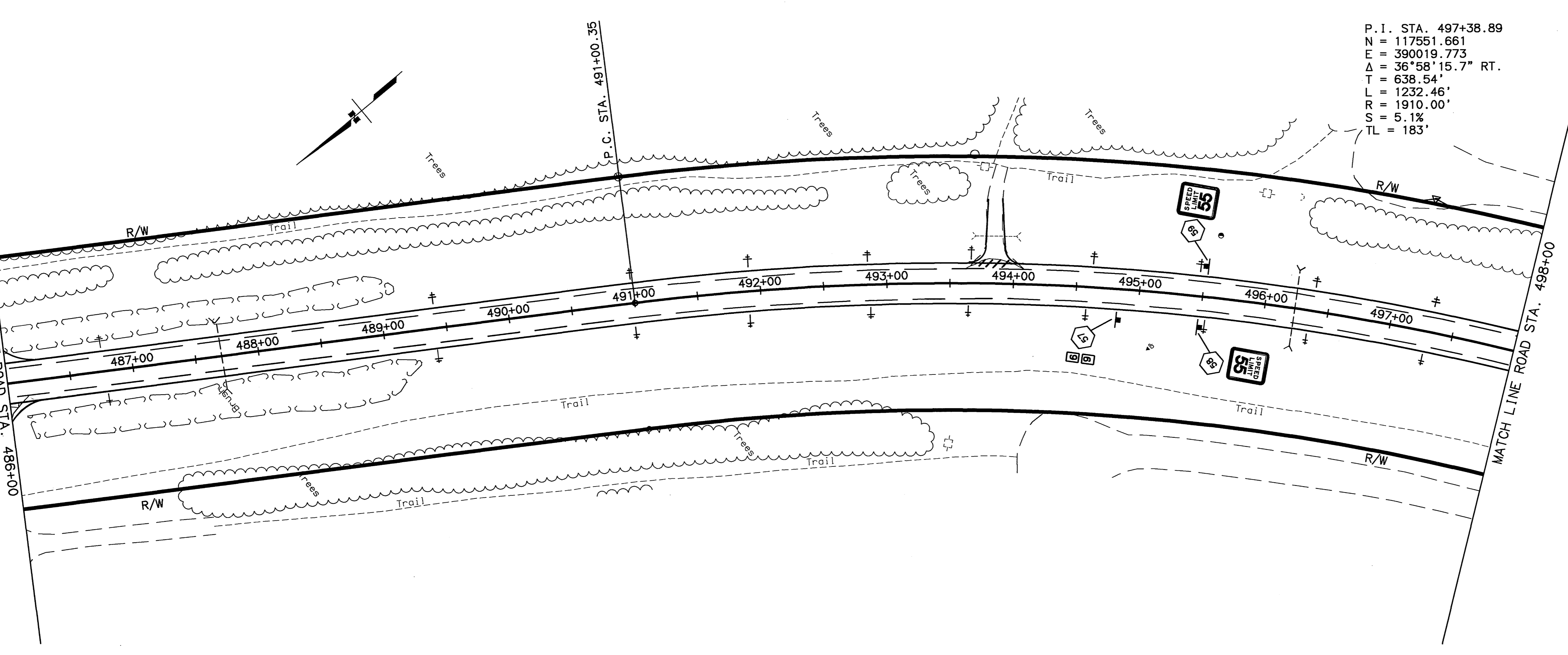


STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
**KNIK-GOOSE BAY ROAD
REHABILITATION
AND PATHWAY**

PLAN

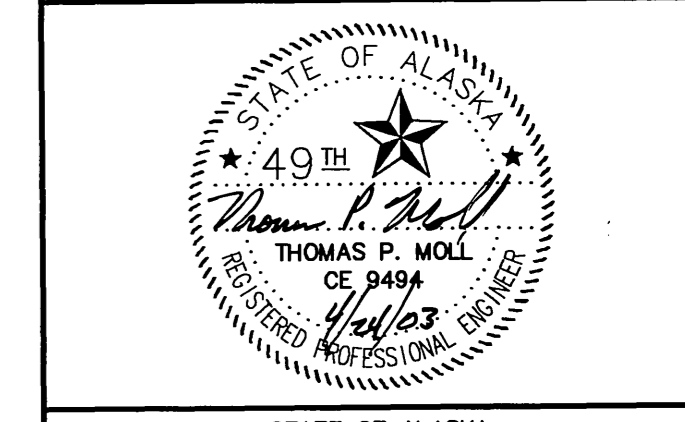
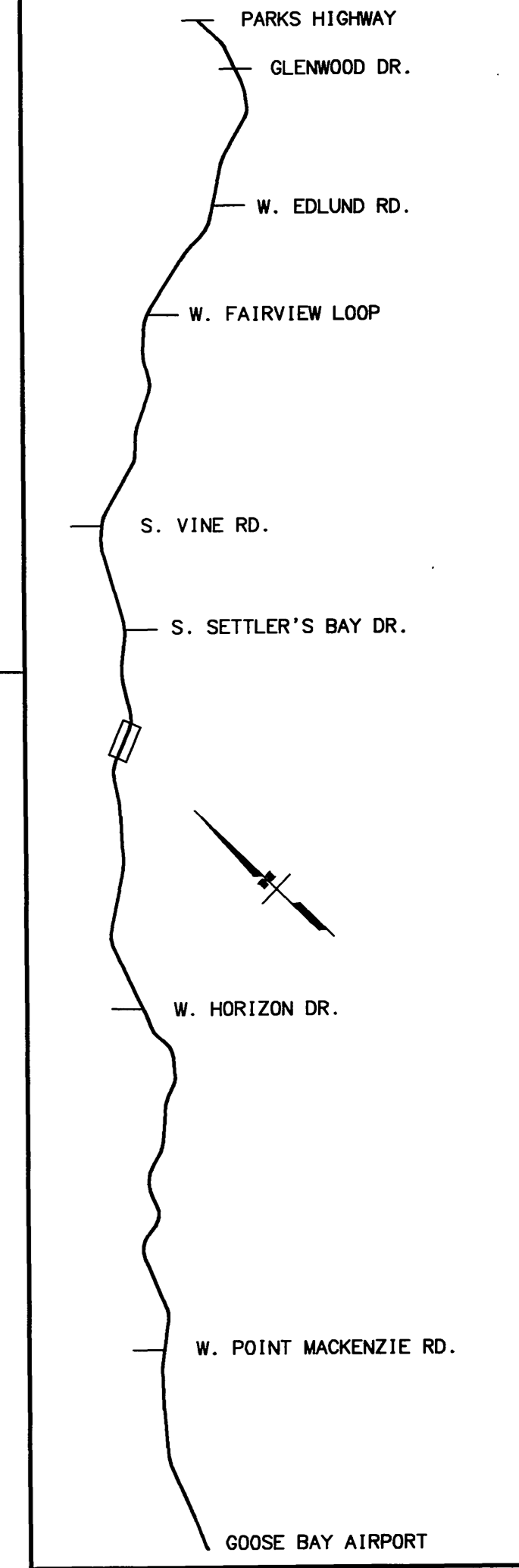


OBLITERATED, THEN
REBUILT BY OWNER,
GRAVEL, NO PIPE



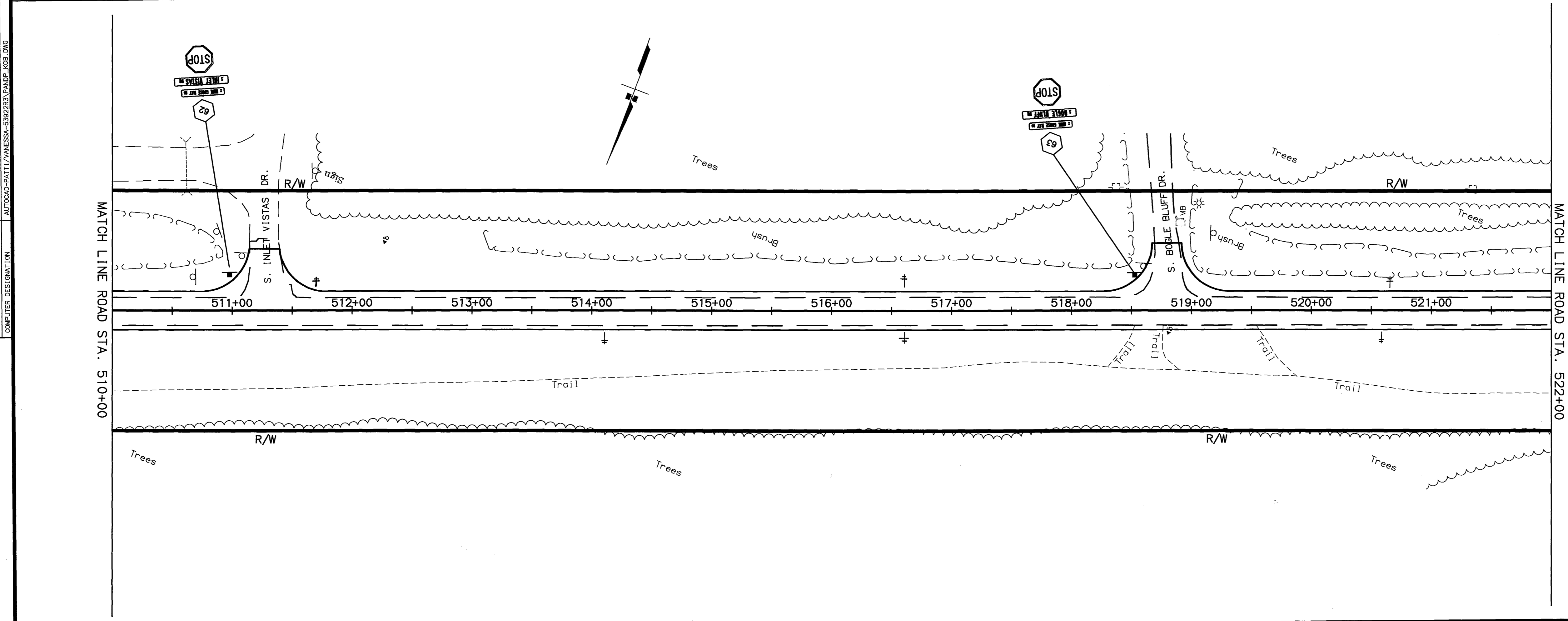
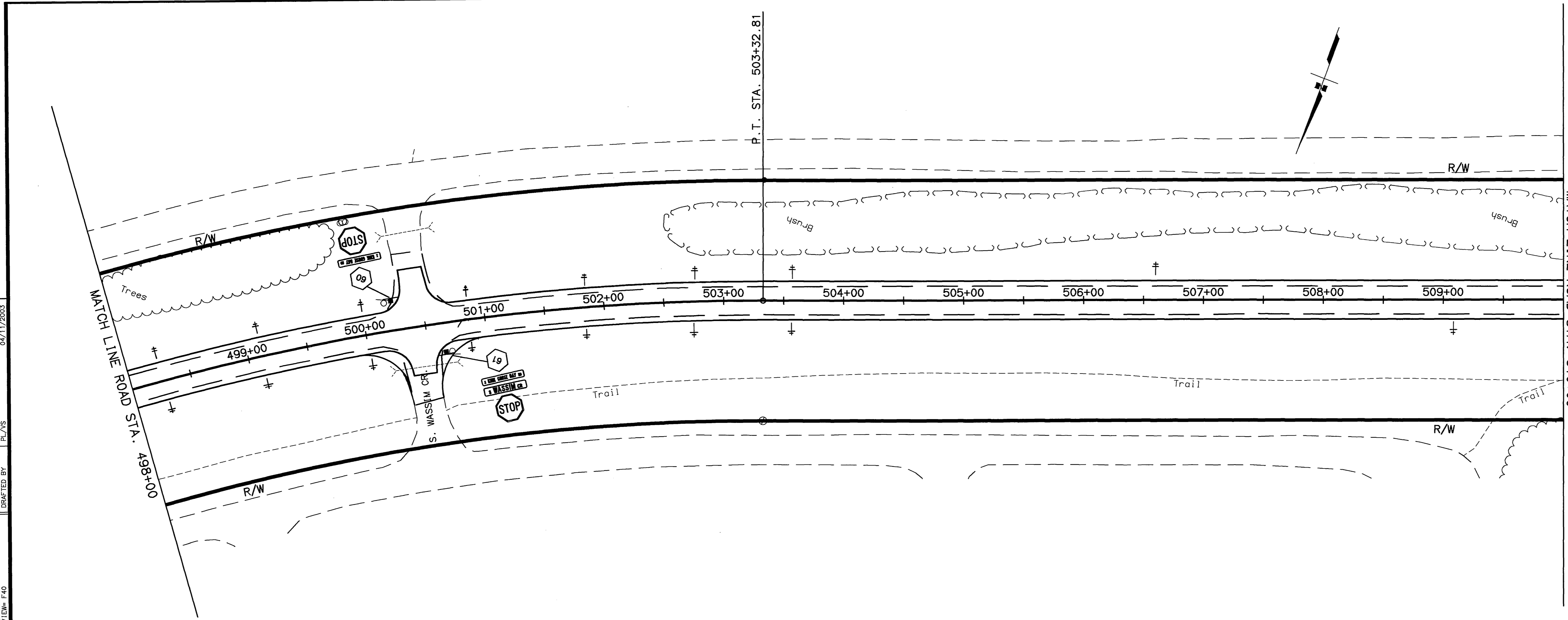
SPECIFICATIONS: XREFS: BASE: KGB.DWG, PROF: KGB.DWG, MAP: SITE.DWG, AUTOCAD: PATTI/VANESSA/SBZ223/VPADP_KGB.DWG, VIEW: F39
 DESIGNED BY: PL/VS, CHECKED BY: PL/VS, DRAFTED BY: PL/VS, DATE: 04/11/2003

NO.	DATE	DESCRIPTION



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
**KNIK-GOOSE BAY ROAD
REHABILITATION
AND PATHWAY**

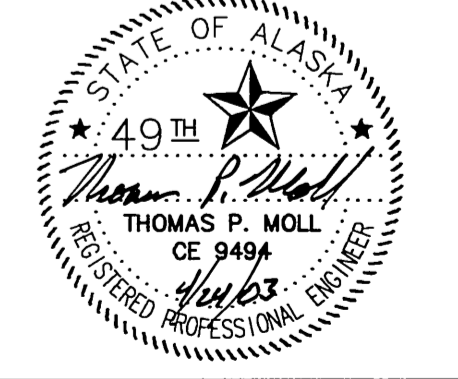
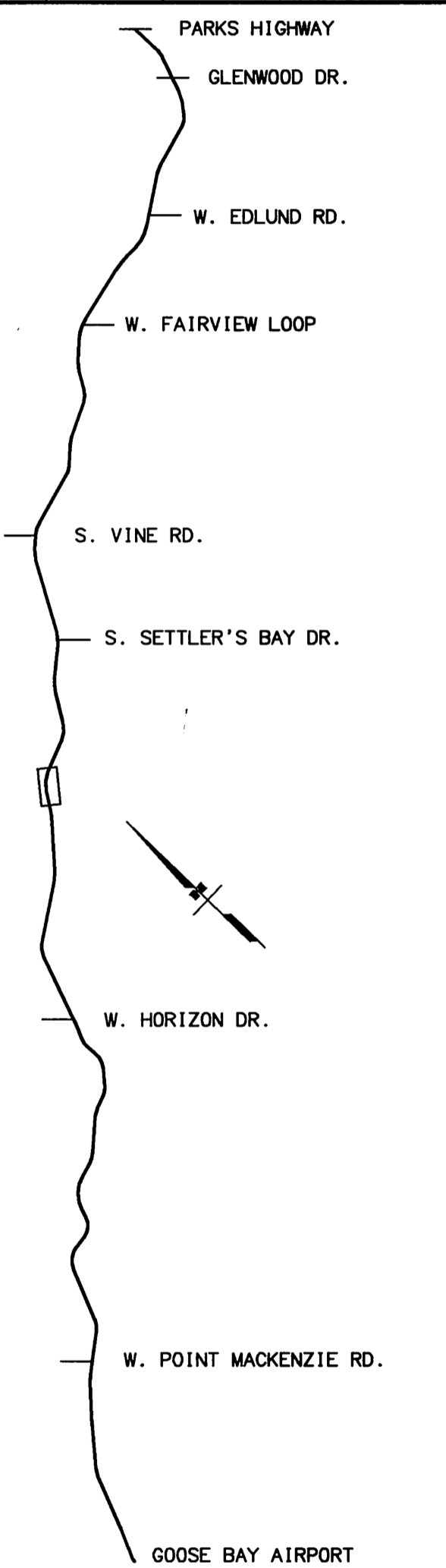
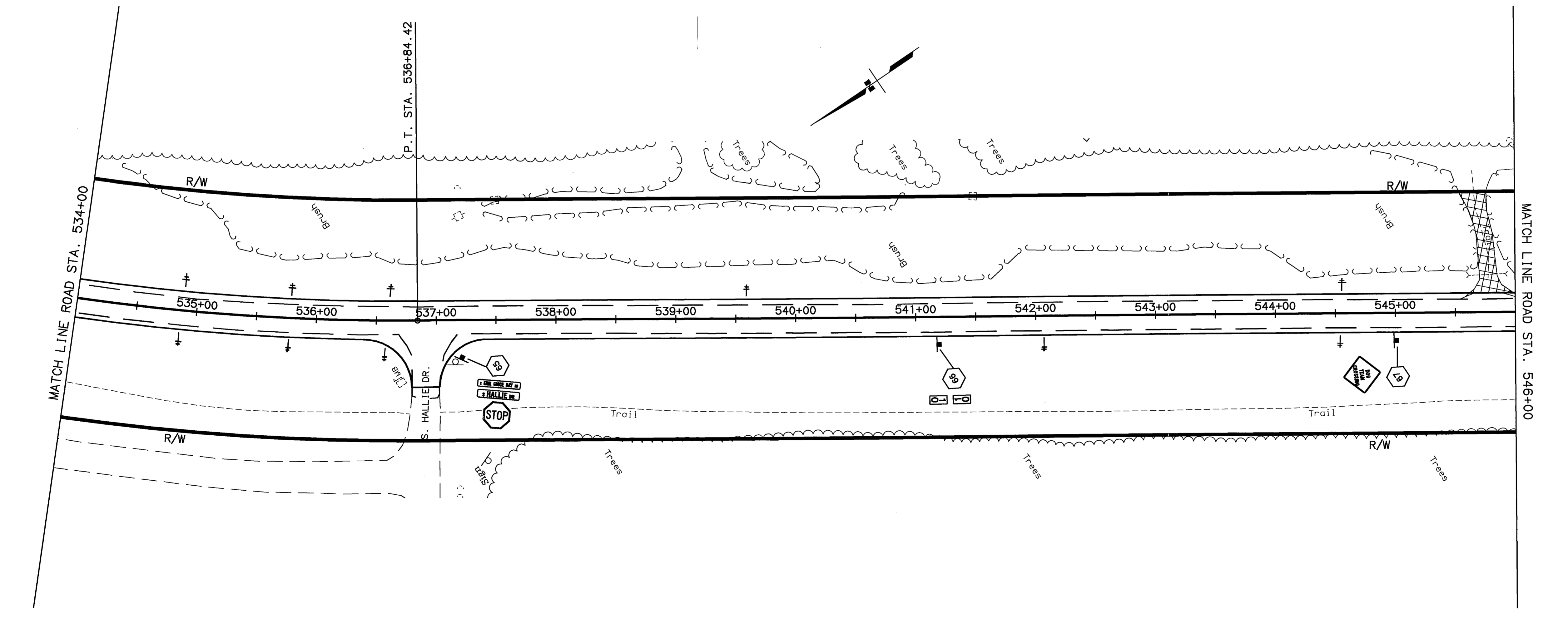
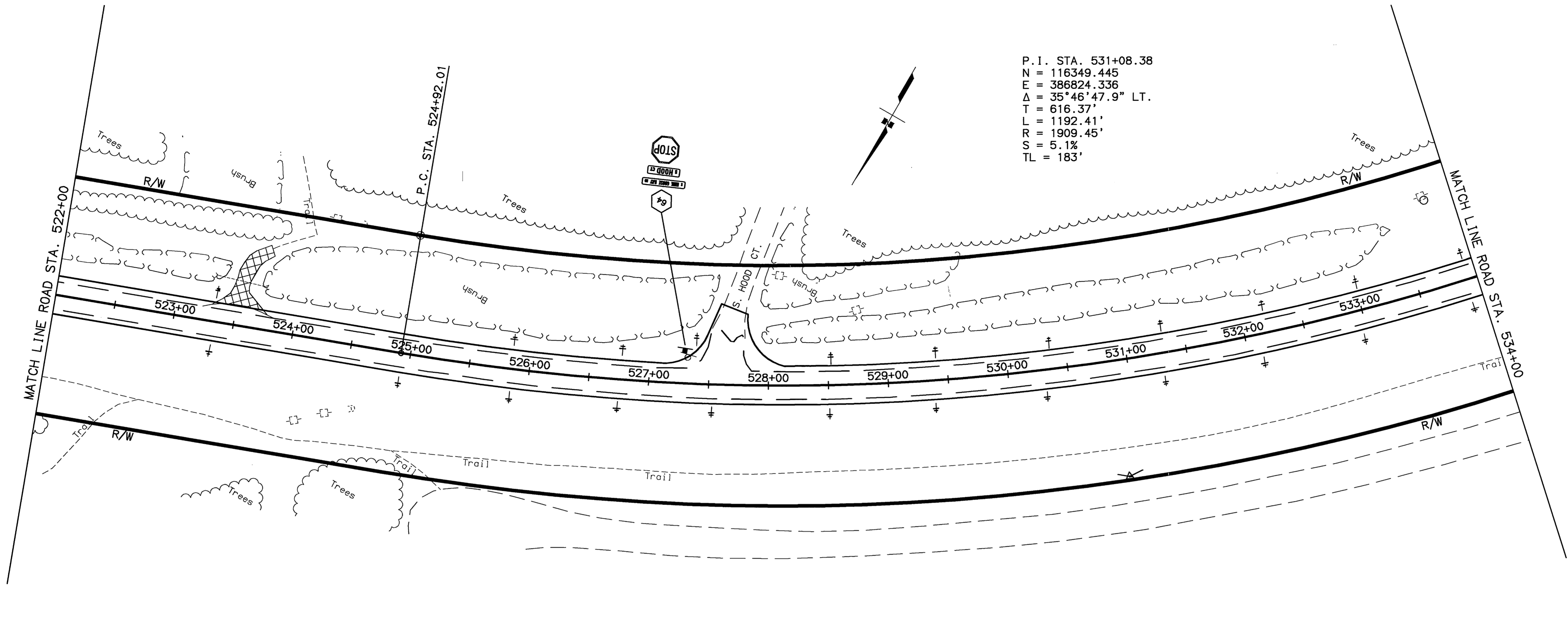
PLAN



DESIGNED BY: [REDACTED] CHECKED BY: [REDACTED] DRAWN BY: [REDACTED] DATE: 04/11/2003
 VIEW: F40
 SPECIFICATIONS: [REDACTED]
 SCALE: 1"=50'
 COMPUTER DESIGNATION: [REDACTED]
 REFERENCES: BASE JOB.DWG, PROF JOB.DWG, MAP_SIDE.DWG, AUTOCAD-PATH/ANALYSIS-539223-VANDP-KGB.DWG

SHEET NO.	TOTAL SHEETS	
F41	F65	
STATE	YEAR	
ALASKA	2003	
PROJECT DESIGNATION		
CA-0525(11)/53922		
ADDENDUM NO.		
ATTACHMENT NO.		
REVISIONS		
NO.	DATE	DESCRIPTION

P.I. STA. 531+08.38
 N = 116349.445
 E = 386824.336
 $\Delta = 35^{\circ}46'47.9''$ LT.
 T = 616.37'
 L = 1192.41'
 R = 1909.45'
 S = 5.1%
 TL = 183'



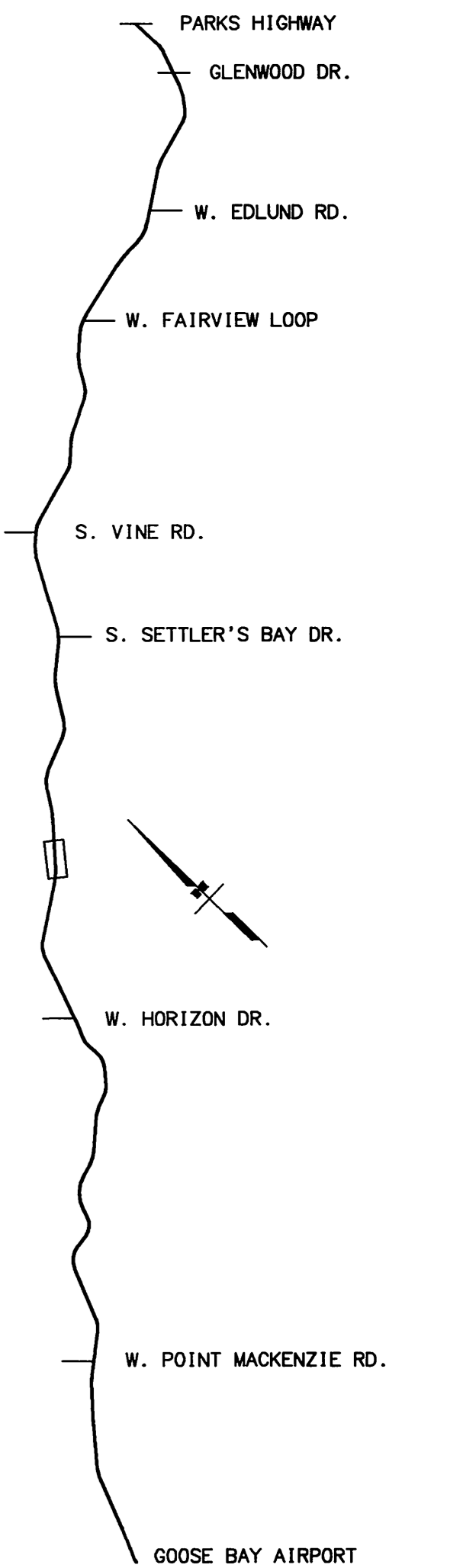
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**KNIK-GOOSE BAY ROAD
 REHABILITATION
 AND PATHWAY**

PLAN

SPECIFICATIONS
 SCALE 1"=50'
 COMPUTER DESIGNATION
 DESIGNED BY
 CHECKED BY
 DRAFTED BY
 DATE 04/11/2003
 VIEW= F41
 XREF'S: BASE_JOB.DWG, PROF_JOB.DWG, MAP_SIDE.DWG
 AUTOCAD-PATH/ANESSA-38922R/PLANP_JOB.DWG

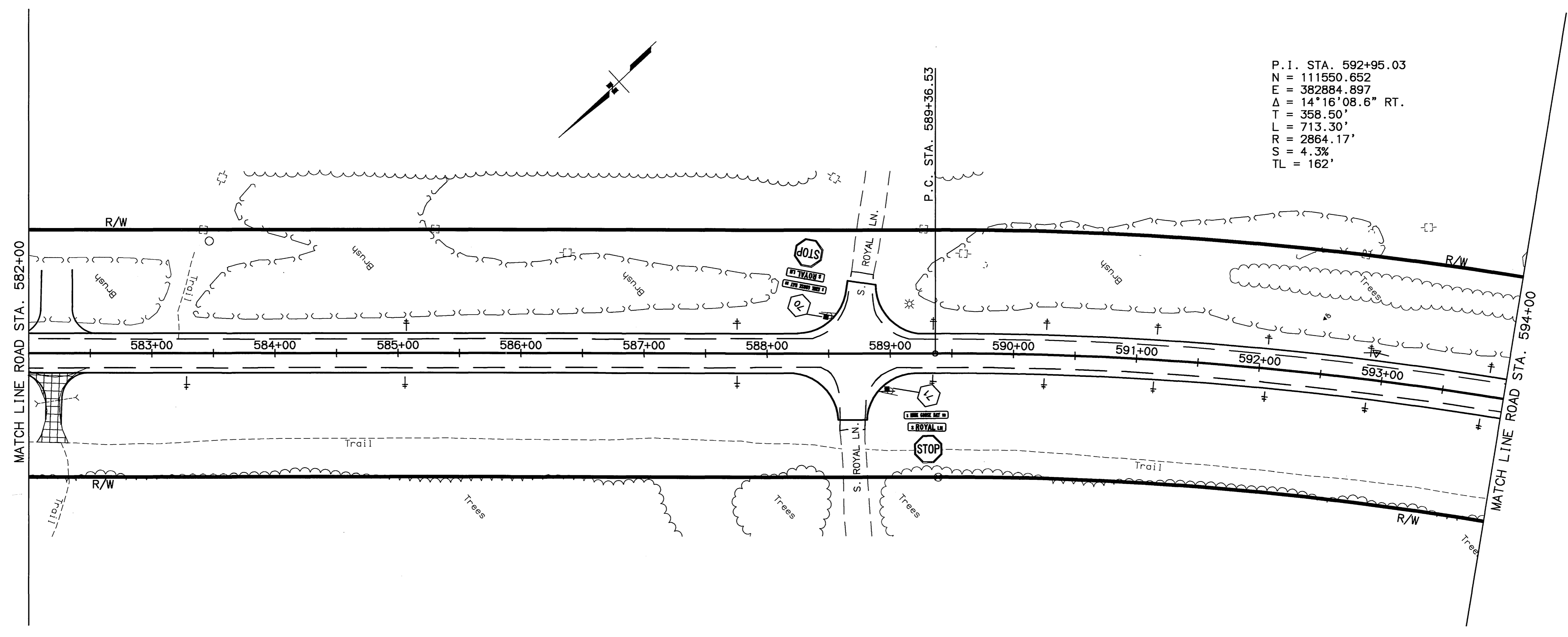
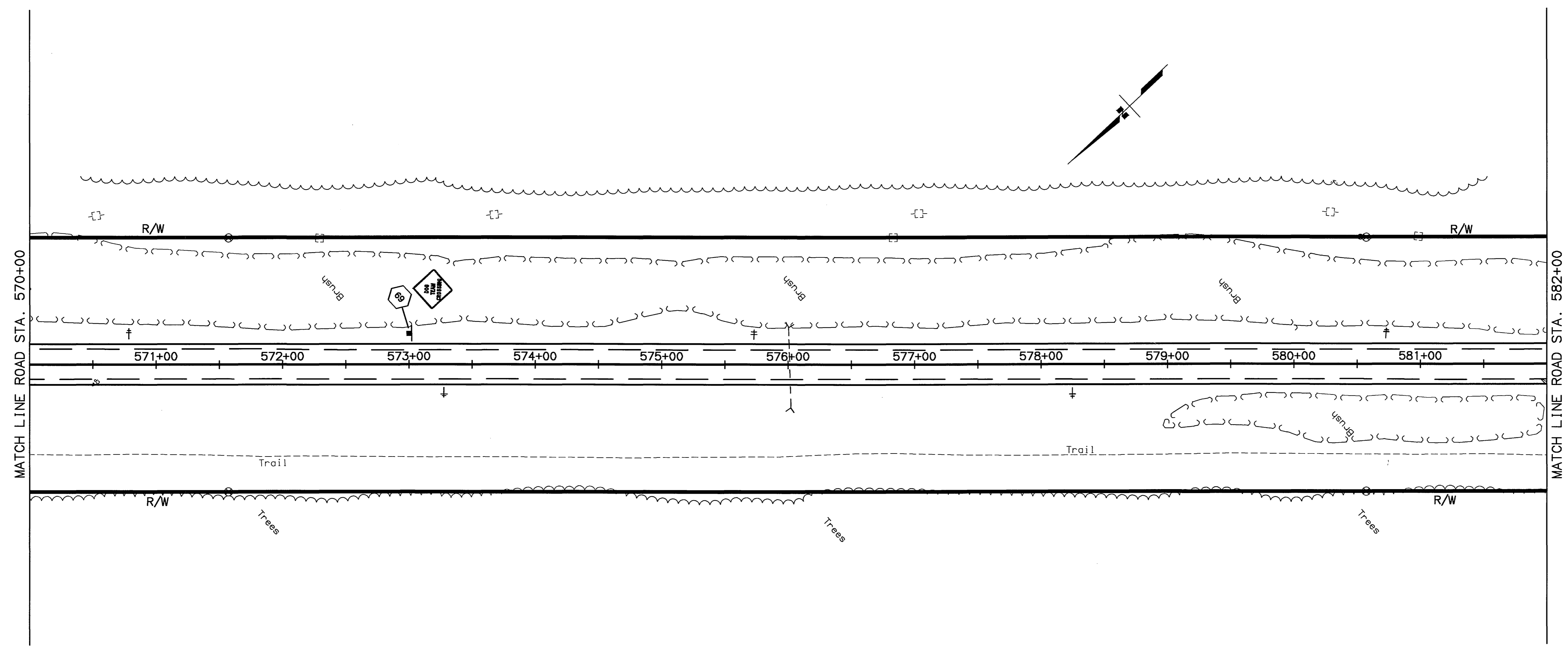
SHEET NO.	TOTAL SHEETS
F43	F65
STATE	YEAR
ALASKA	2003
PROJECT DESIGNATION	
CA-0525(11)/53922	
ADDENDUM NO.	
ATTACHMENT NO.	

REVISIONS		
NO.	DATE	DESCRIPTION



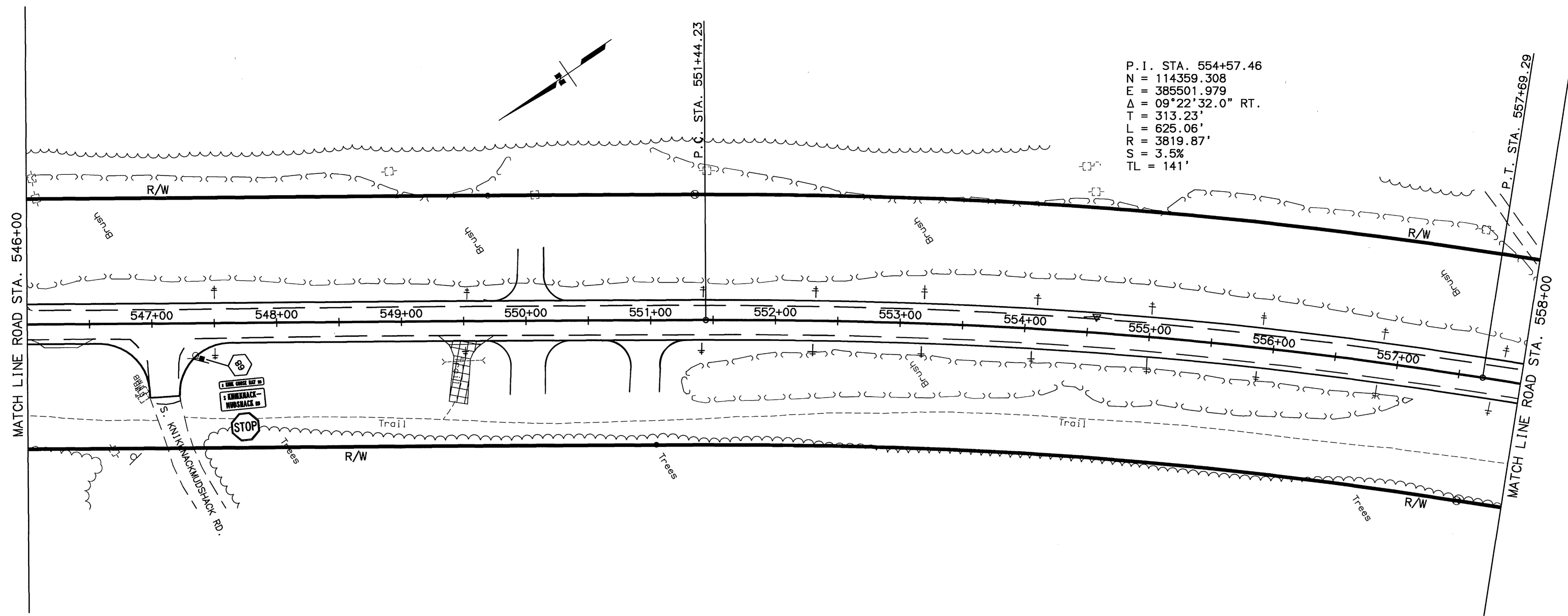
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
**KNIK-GOOSE BAY ROAD
REHABILITATION
AND PATHWAY**

PLAN



SPECIFICATIONS: XREFS: BASE_KGB.DWG, PROF_KGB.DWG, MAP_SIDE.DWG, AUTOCAD-PATTI/ANESSA-53922RXPANDP_KGB.DWG
 SCALE: 1"=80'
 COMPUTER DESIGNATION: VIEW: F43
 DESIGNED BY: IR/VS
 CHECKED BY:
 DRAFTED BY: 04/11/2003

P.I. STA. 554+57.46
 N = 114359.308
 E = 385501.979
 $\Delta = 09^{\circ}22'32.0''$ RT.
 T = 313.23'
 L = 625.06'
 R = 3819.87'
 S = 3.5%
 TL = 141'

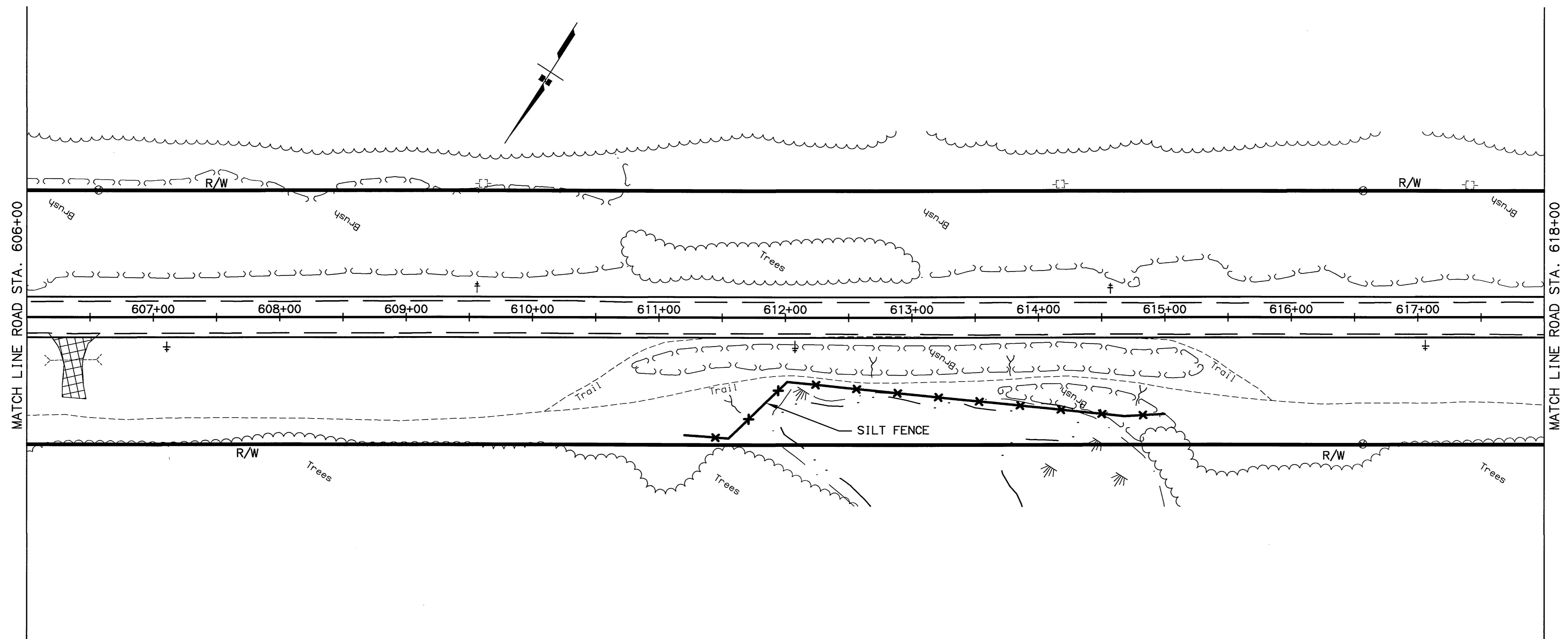
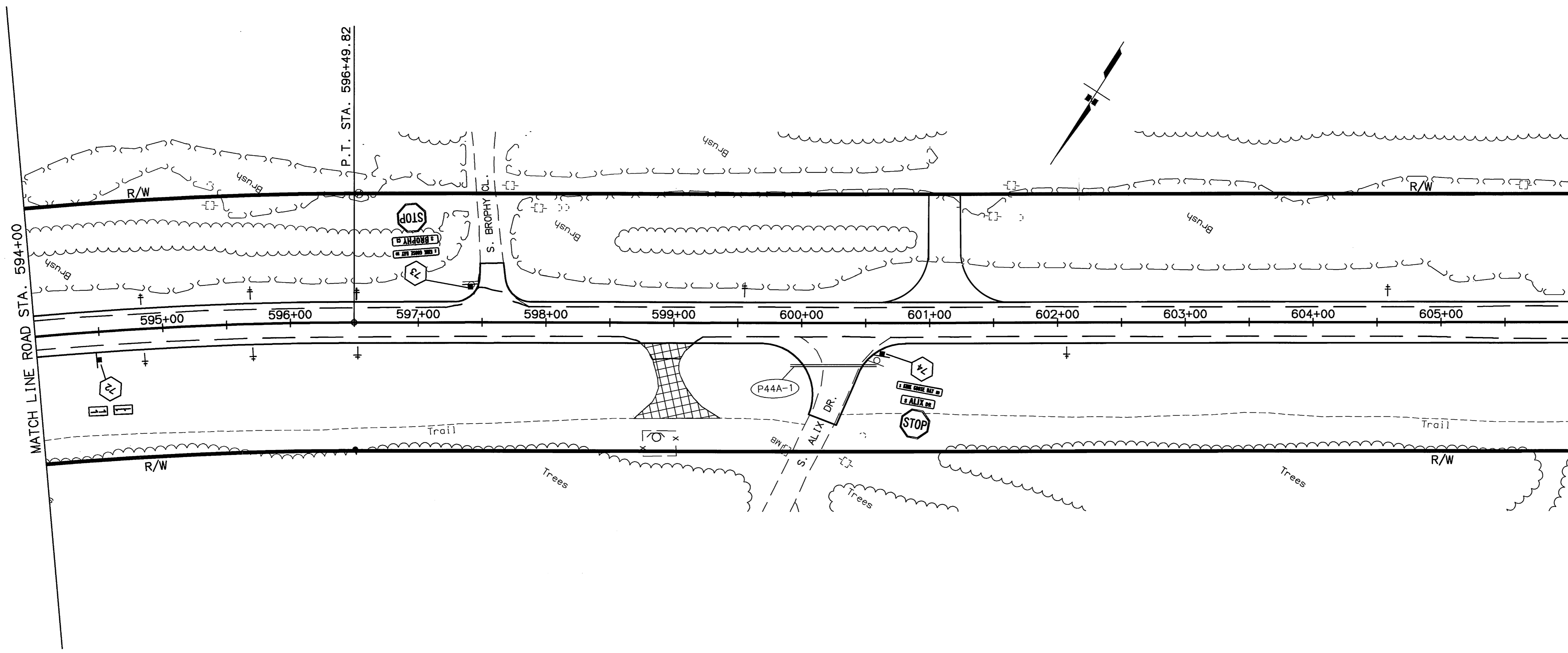


DESIGNED BY
 CHECKED BY
 DRAFTED BY
 04/11/2003
 F42

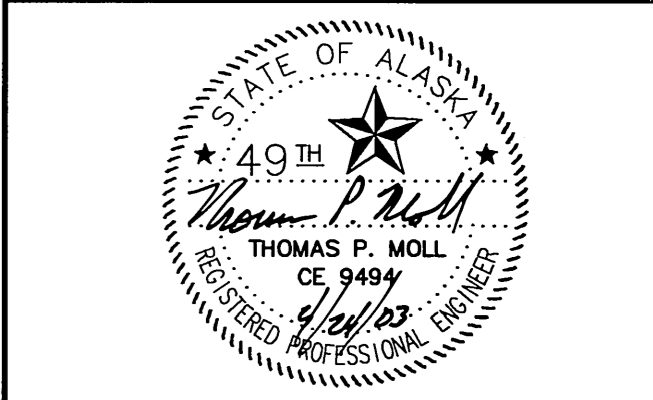
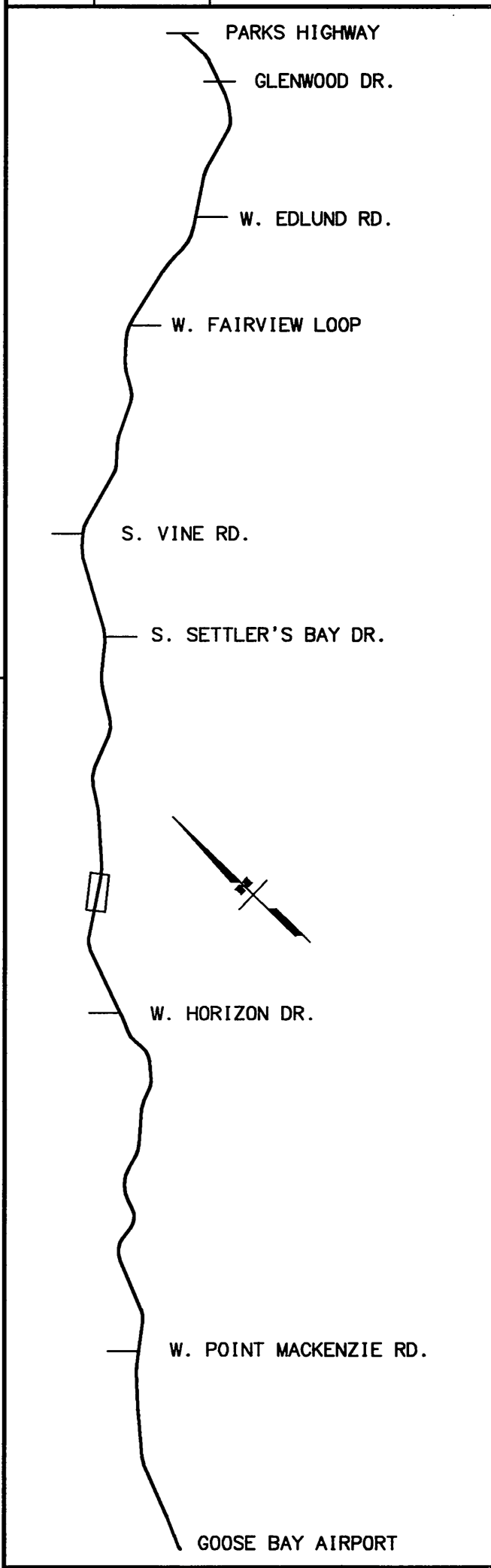
SHEET NO.	TOTAL SHEETS	
F42	F65	
STATE	YEAR	
ALASKA	2003	
PROJECT DESIGNATION		
CA-0525(11)/53922		
ADDENDUM NO.		
ATTACHMENT NO.		
REVISIONS		
NO.	DATE	DESCRIPTION

—	PARKS HIGHWAY
—	GLENWOOD DR.
—	W. EDLUND RD.
—	W. FAIRVIEW LOOP
—	S. VINE RD.

SPECIFICATIONS
 SCALE: 1"=50'
 COMPUTER DESIGNATION
 XREFS: BASE_JOB.DWG, PROF_JOB.DWG, MAP_SIDE.DWG
 AUTOCAD-PATH/MESSAGE-SB2223.PANDP.XGB.DWG
 VIEW: F44
 DESIGNED BY
 CHECKED BY
 DRAFTED BY
 04/11/2003
 PL/VS



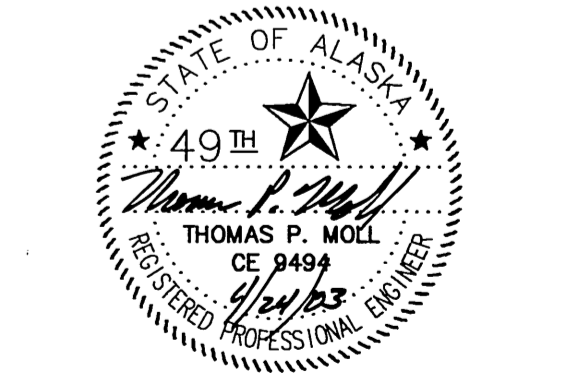
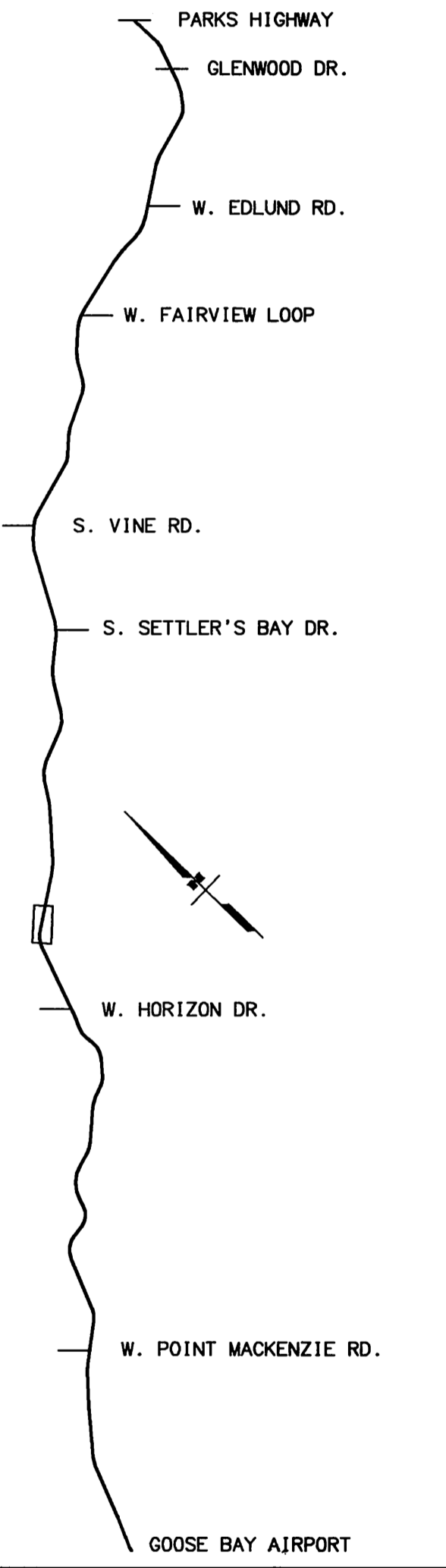
SHEET NO.	TOTAL SHEETS	
F44	F65	
STATE	YEAR	
ALASKA	2003	
PROJECT DESIGNATION		
CA-0525(11)/53922		
ADDENDUM NO.		
ATTACHMENT NO.		
REVISIONS		
NO.	DATE	DESCRIPTION



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**KNIK-GOOSE BAY ROAD
 REHABILITATION
 AND PATHWAY**

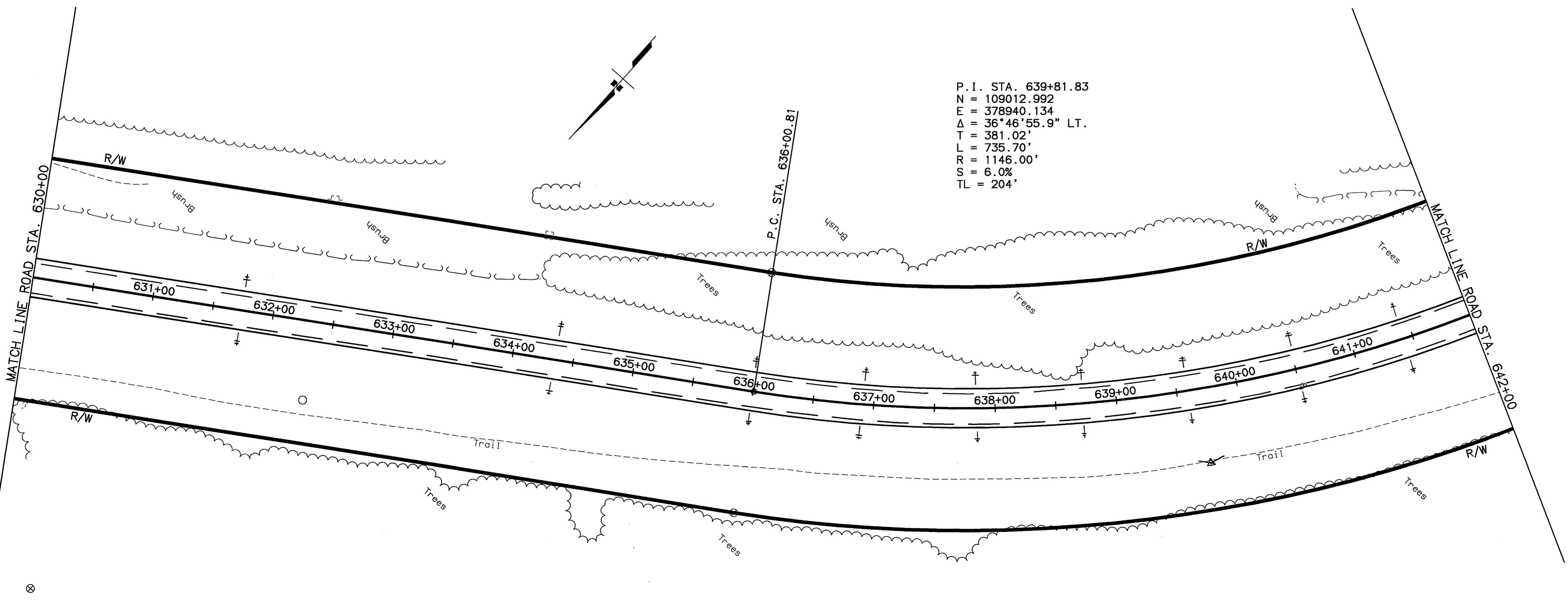
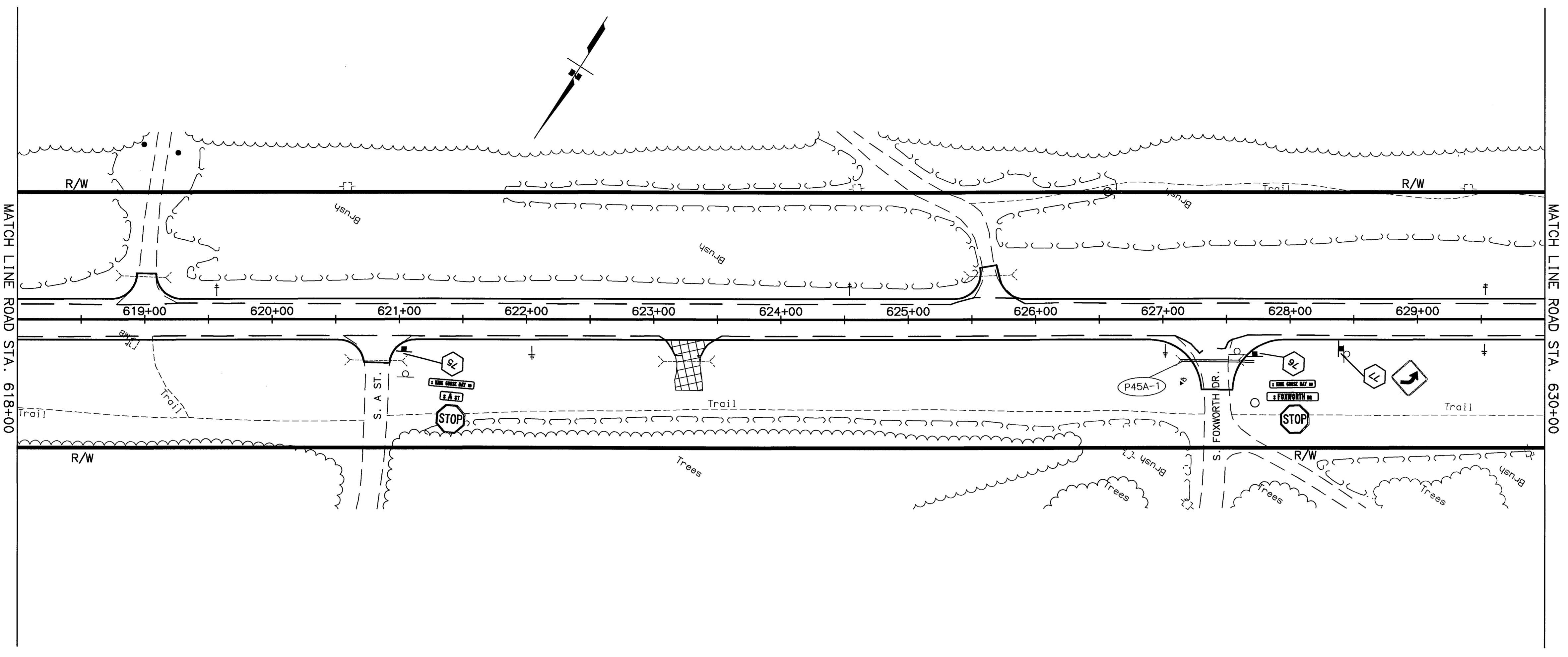
PLAN

NO.	DATE	DESCRIPTION



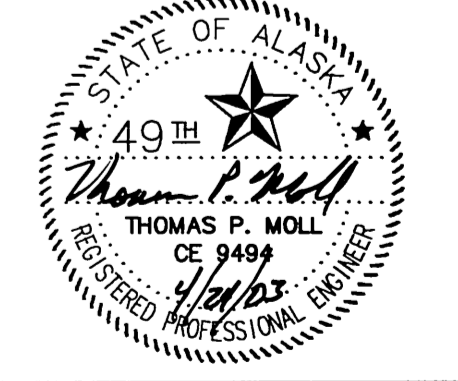
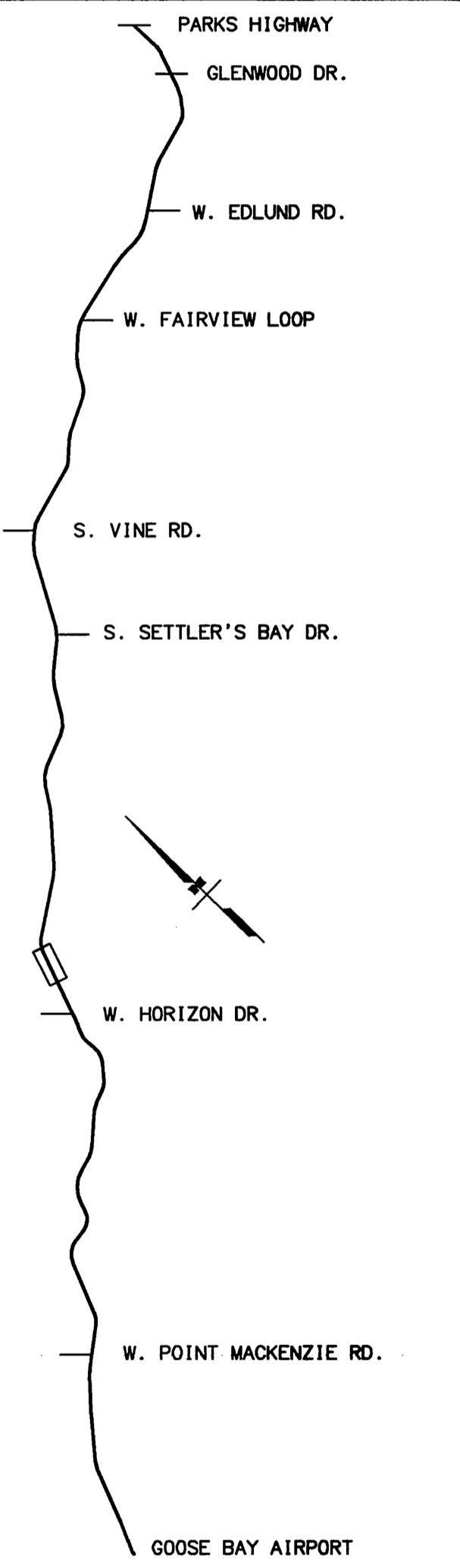
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
**KNIK-GOOSE BAY ROAD
REHABILITATION
AND PATHWAY**

PLAN



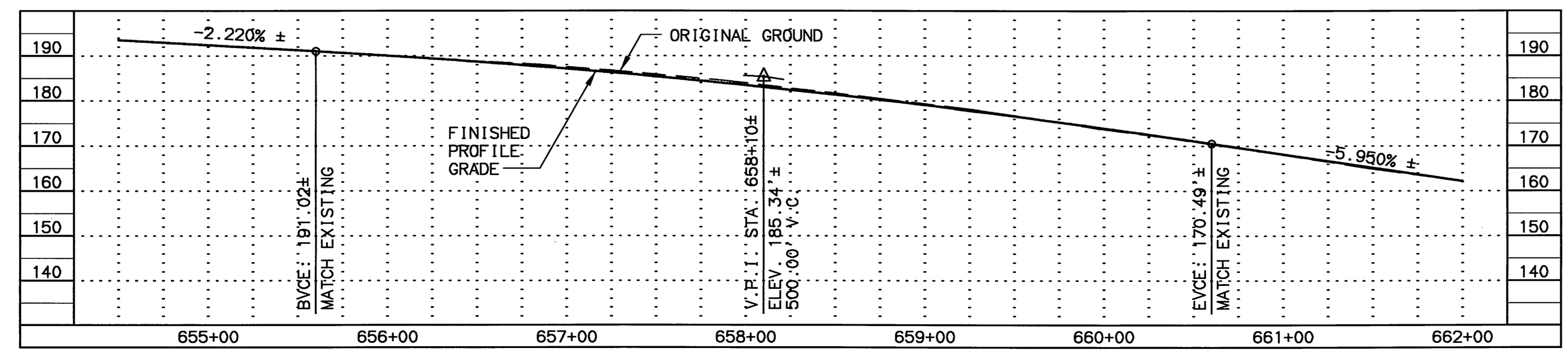
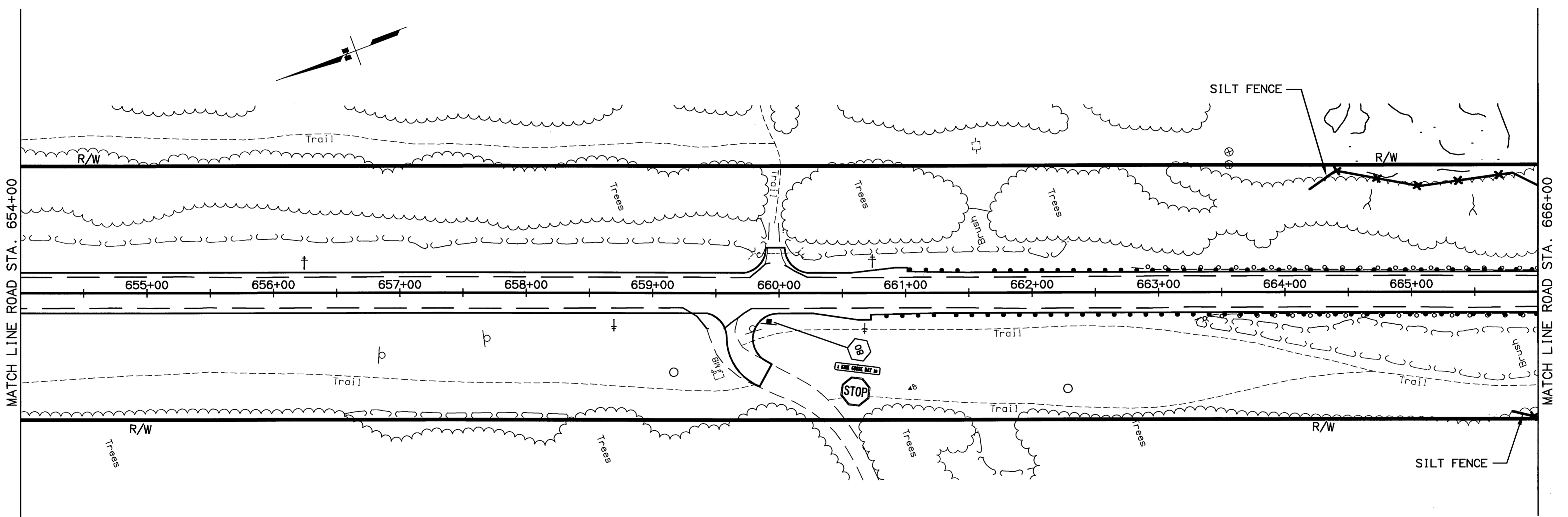
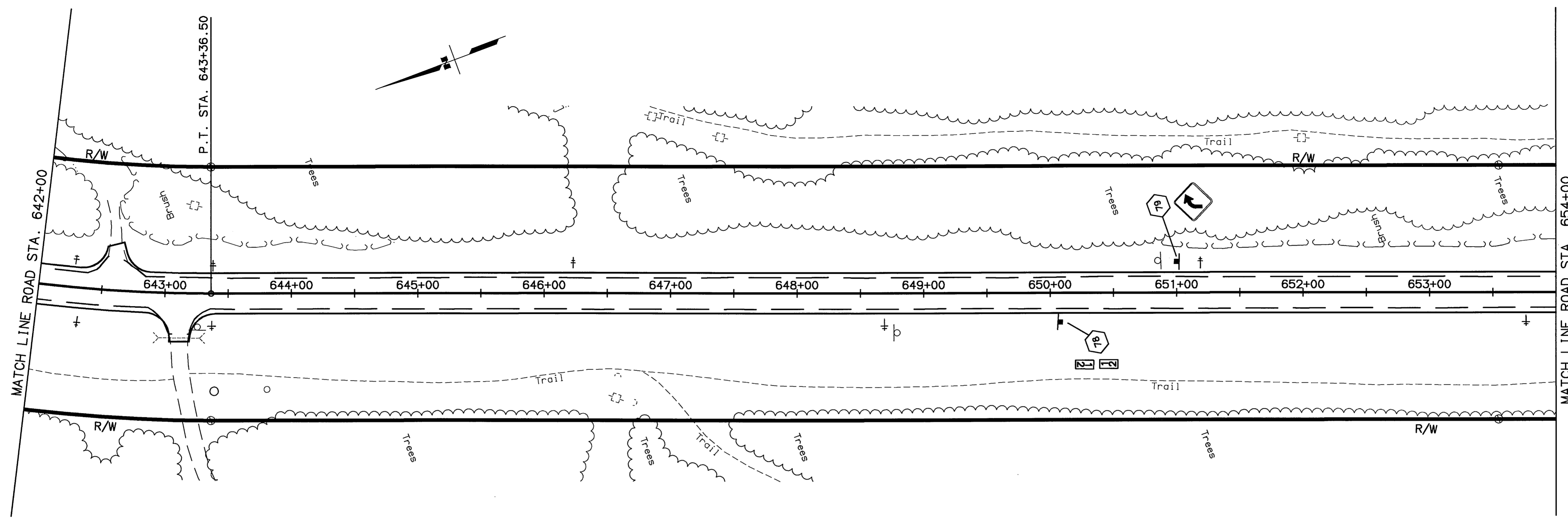
SPECIFICATIONS: SCALE: 1"=50' COMPUTER DESIGNATION: XREFS: BASE_AGB.DWG, PROF_AGB.DWG, MAP_STDE.DWG, AUTOCAD-FAMILY/ALASKA-SB2223/PA00P_AGB.DWG
 DESIGNED BY: PL/VJS DATE: 04/11/2003
 CHECKED BY: PL/VJS
 DRAWN BY: PL/VJS
 VIEW: F45

SHEET NO.	TOTAL SHEETS	
F46	F65	
STATE	YEAR	
ALASKA	2003	
PROJECT DESIGNATION		
CA-0525(11)/53922		
ADDENDUM NO.		
ATTACHMENT NO.		
REVISIONS		
NO.	DATE	DESCRIPTION



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
**KNIK-GOOSE BAY ROAD
REHABILITATION
AND PATHWAY**

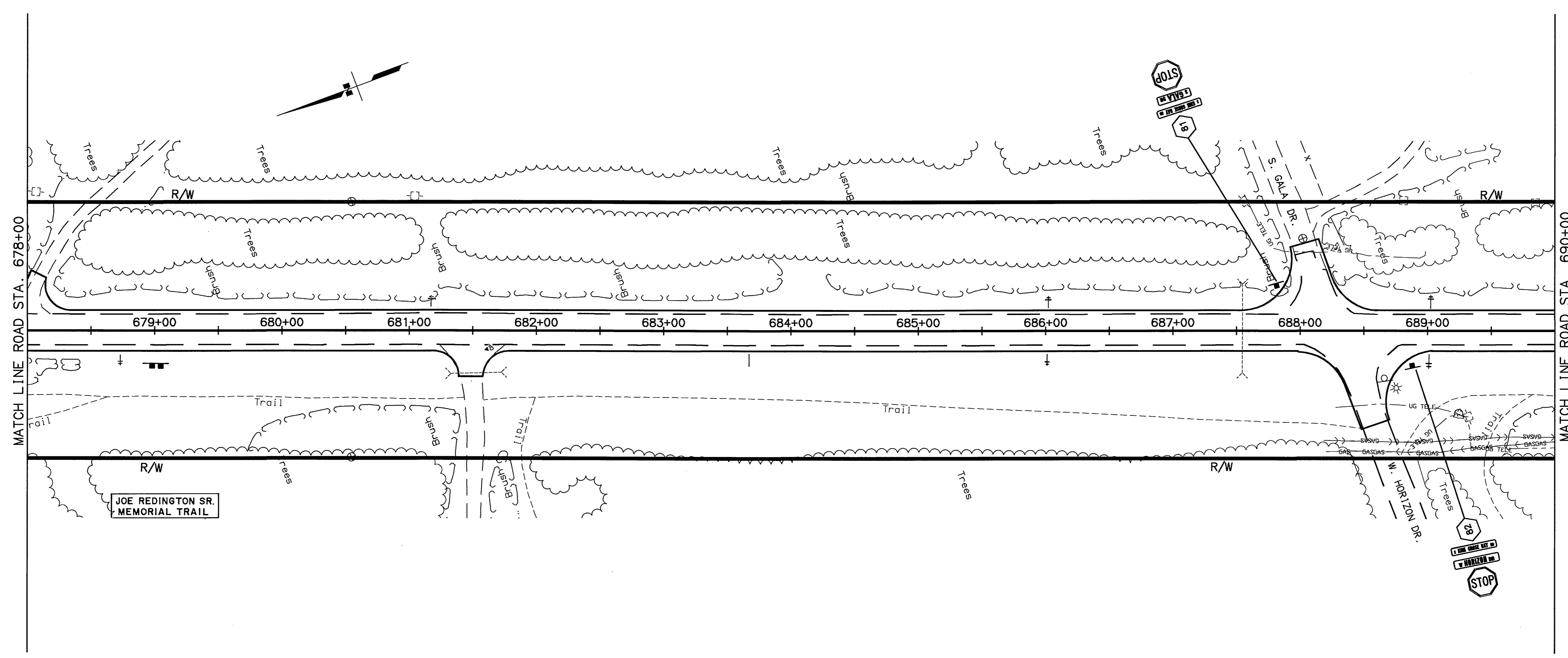
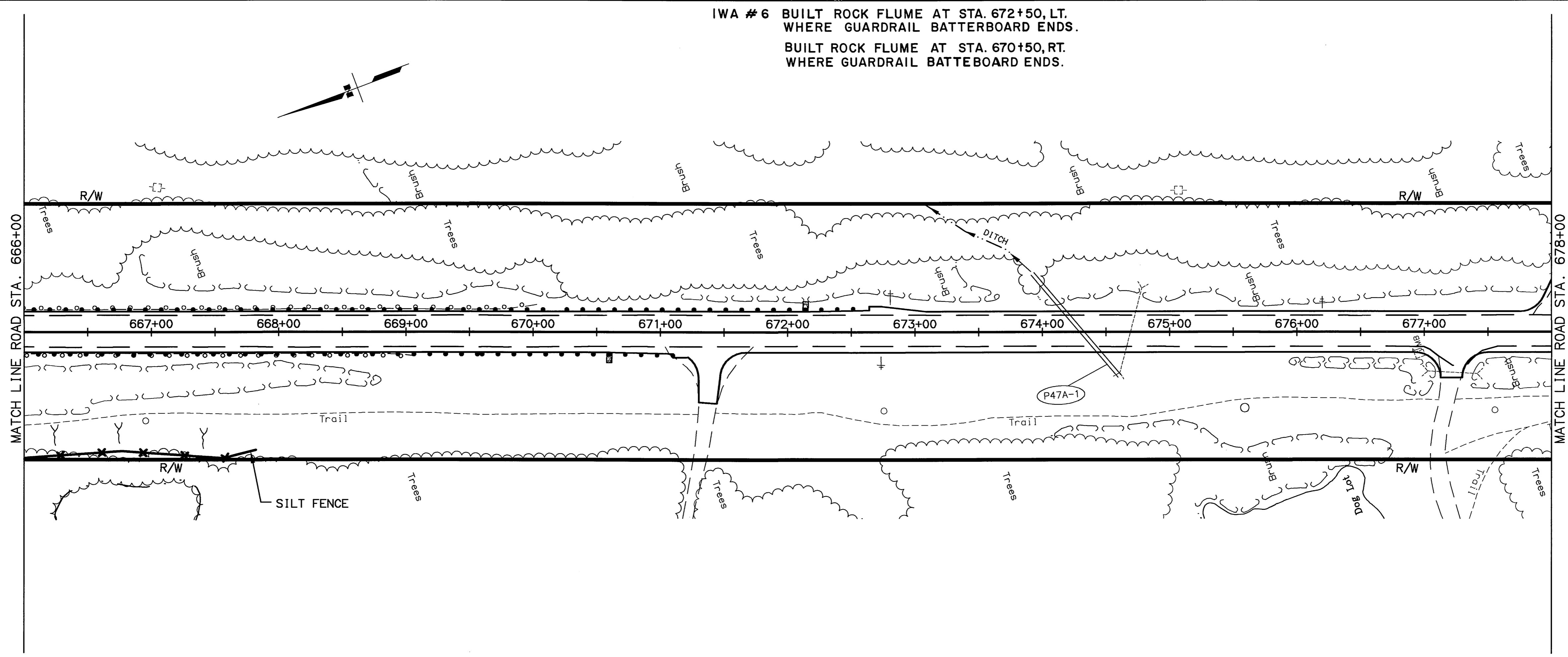
PLAN



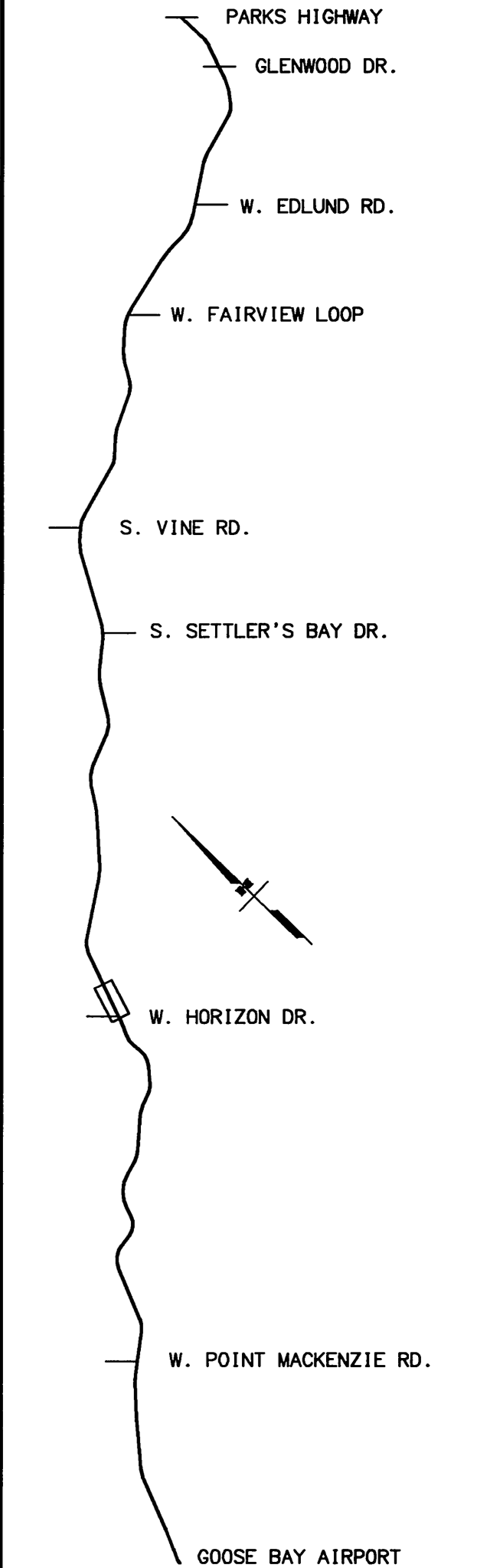
SPECIFICATIONS: XREFS: BASE_KOB.DWG, PROF_KOB.DWG, MAP_SIDE.DWG, AUTOCAD-PATH/VANESSA-53922R3/VANDP_KOB.DWG
 SCALE: 1"=50' VIEW: F46
 DESIGNED BY: PL/VS
 CHECKED BY:
 DRAFTED BY:

04/21/2003

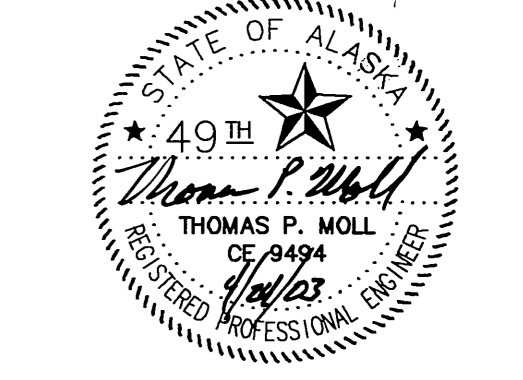
IWA #6 BUILT ROCK FLUME AT STA. 672+50, LT.
 WHERE GUARDRAIL BATTERBOARD ENDS.
 BUILT ROCK FLUME AT STA. 670+50, RT.
 WHERE GUARDRAIL BATTERBOARD ENDS.



SHEET NO.	TOTAL SHEETS	
F47	F65	
STATE	YEAR	
ALASKA	2003	
PROJECT DESIGNATION		
CA-0525(11)/53922		
ADDENDUM NO.		
ATTACHMENT NO.		
REVISIONS		
NO.	DATE	DESCRIPTION



SPECIFICATIONS: ARE'S: BASE JOB.DWG, PROF JOB.DWG, MAP_SIDE.DWG, VIEW: F47
 SCALE: 1"=80' COMPUTER DESIGNATION: AUTOCAD/PLT/INVEST-SHARE/VPADP-JOB.DWG
 DESIGNED BY: CHECKED BY: DRAFTED BY: PLAYS
 DATE: 04/11/2003



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**KNIK-GOOSE BAY ROAD
 REHABILITATION
 AND PATHWAY**

PLAN

SHEET NO. TOTAL SHEETS

F48 F65

STATE YEAR

ALASKA 2003

PROJECT DESIGNATION

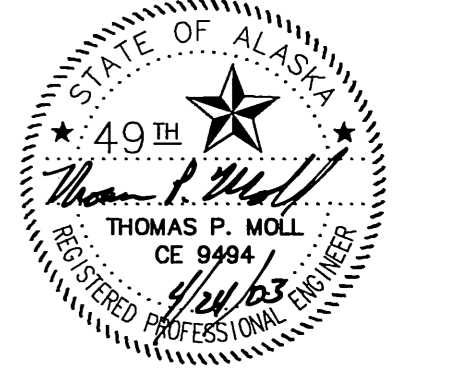
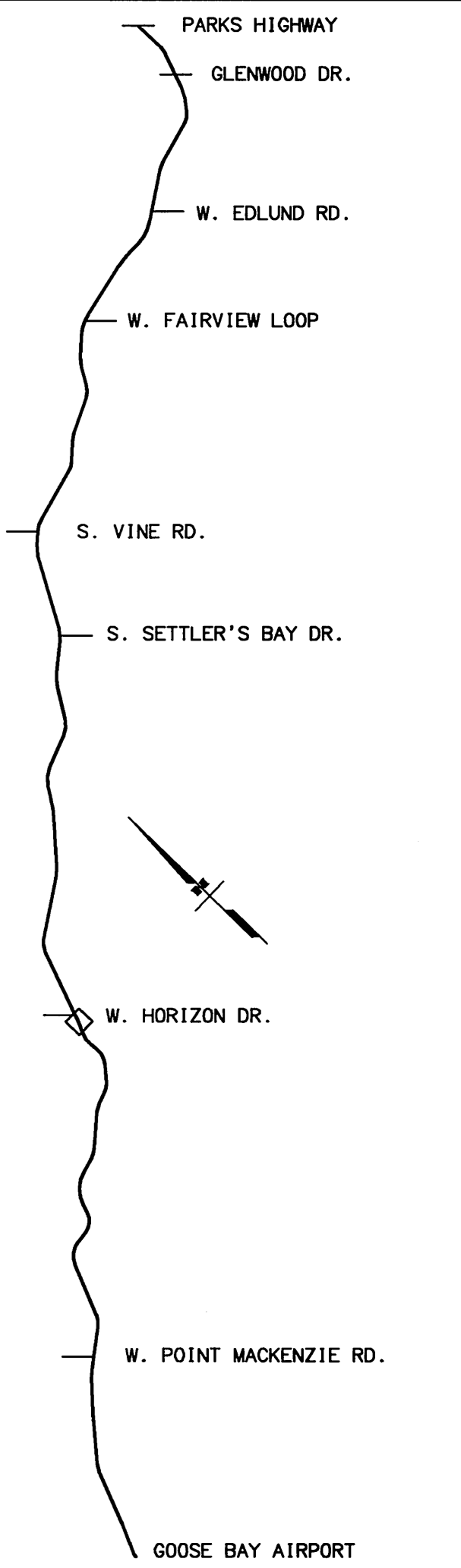
CA-0525(11)/53922

ADDENDUM NO.

ATTACHMENT NO.

REVISIONS

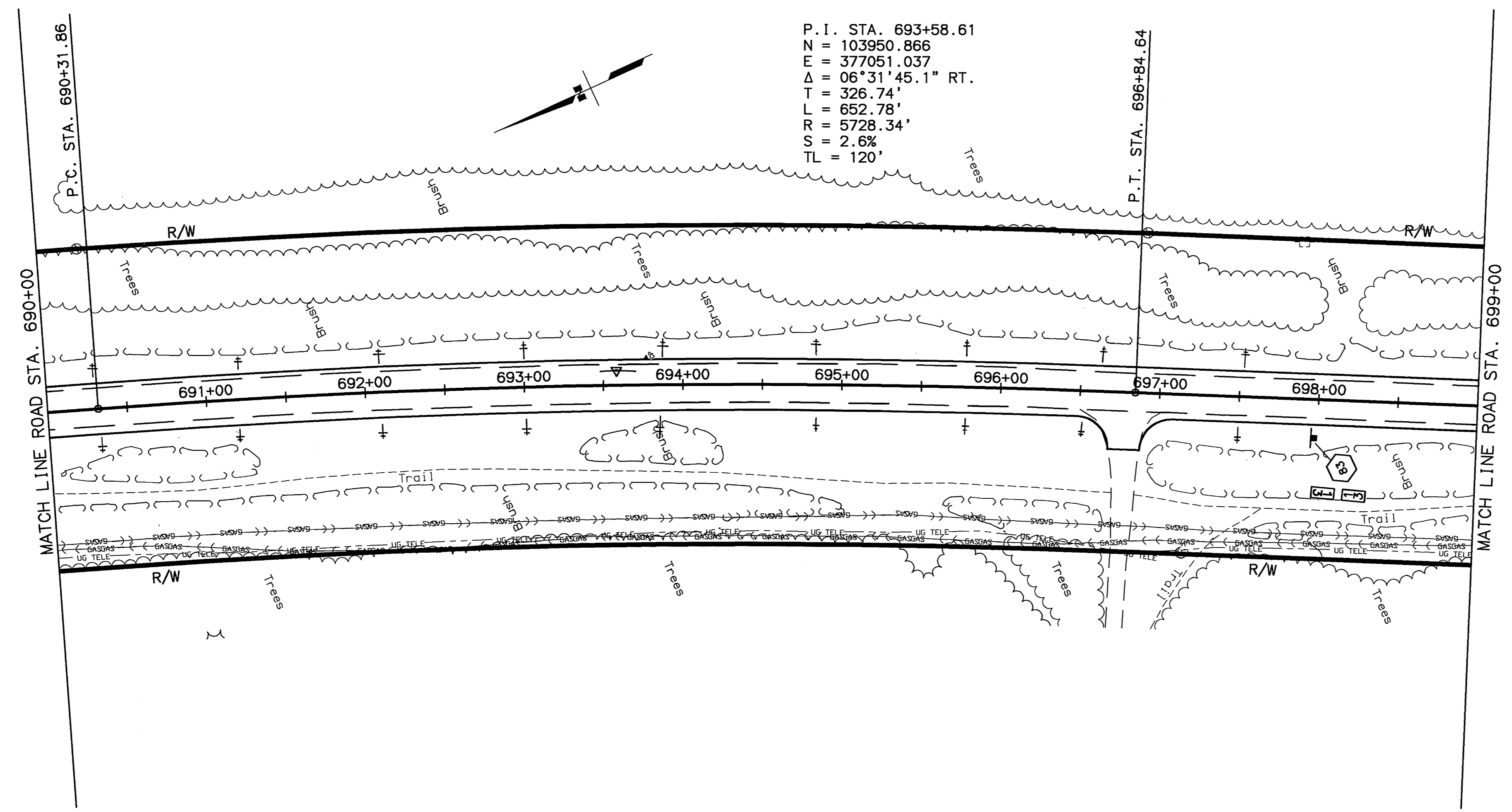
NO.	DATE	DESCRIPTION



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**KNIK-GOOSE BAY ROAD
 REHABILITATION
 AND PATHWAY**

PLAN

P. I. STA. 693+58.61
 N = 103950.866
 E = 377051.037
 $\Delta = 06^{\circ}31'45.1''$ RT.
 T = 326.74'
 L = 652.78'
 R = 5728.34'
 S = 2.6%
 TL = 120'

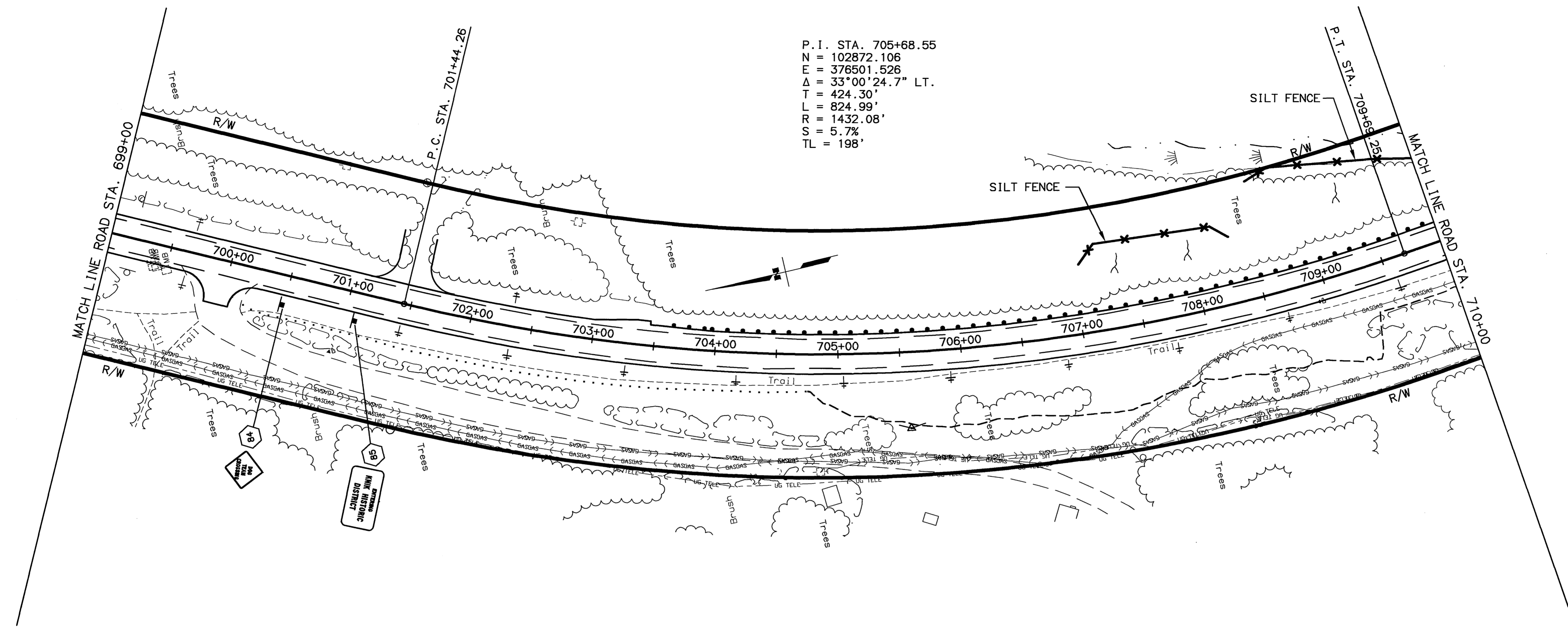


DESIGNED BY: PL/VS
 CHECKED BY:
 DRAFTED BY:
 VIEW: F48
 XREFS: BASE_KGB.DWG, PROF_KGB.DWG, MAP_SIDE.DWG
 AUTOCAD-PATTI/ANESSA-53922R3/VANOP_KGB.DWG
 SPECIFICATIONS
 SCALE: 1"=50'
 COMPUTER DESIGNATION

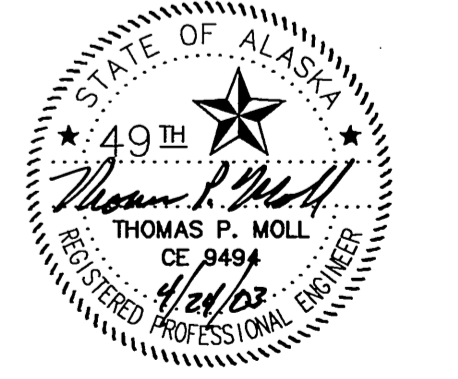
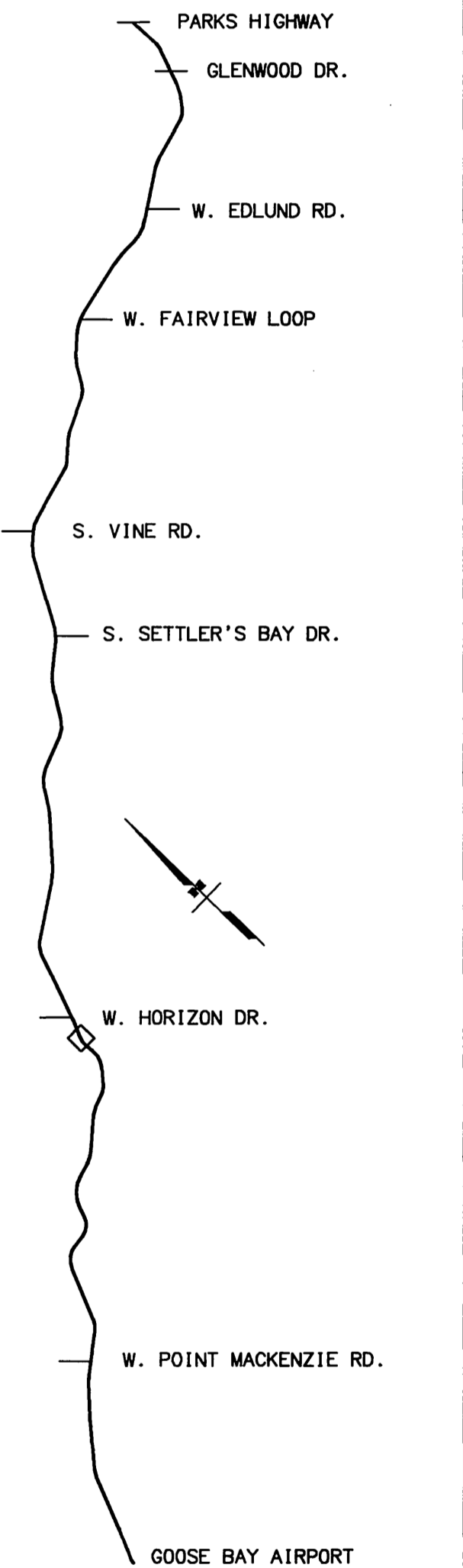
04/11/2003

NO.	DATE	DESCRIPTION

SPECIFICATIONS
 SCALE 1"=50'
 COMPUTER DESIGNATION
 XREFS: BASE_KGB.DWG, PROF_KGB.DWG, MAP_SIDE.DWG
 AUTOCAD-PATHWAY/ANESSA-SB9225/PAUP-KGB.DWG
 VIEW: F49
 DESIGNED BY: EL/VJS
 CHECKED BY:
 DRAFTED BY: 04/11/2003

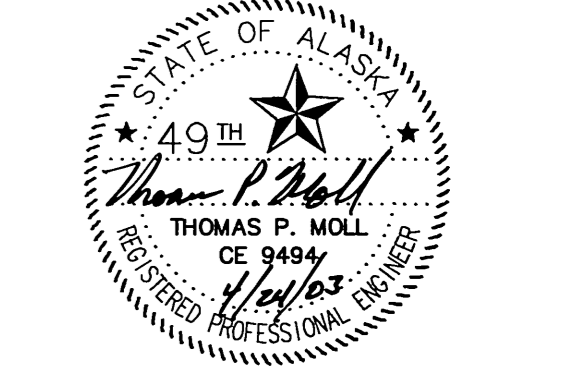
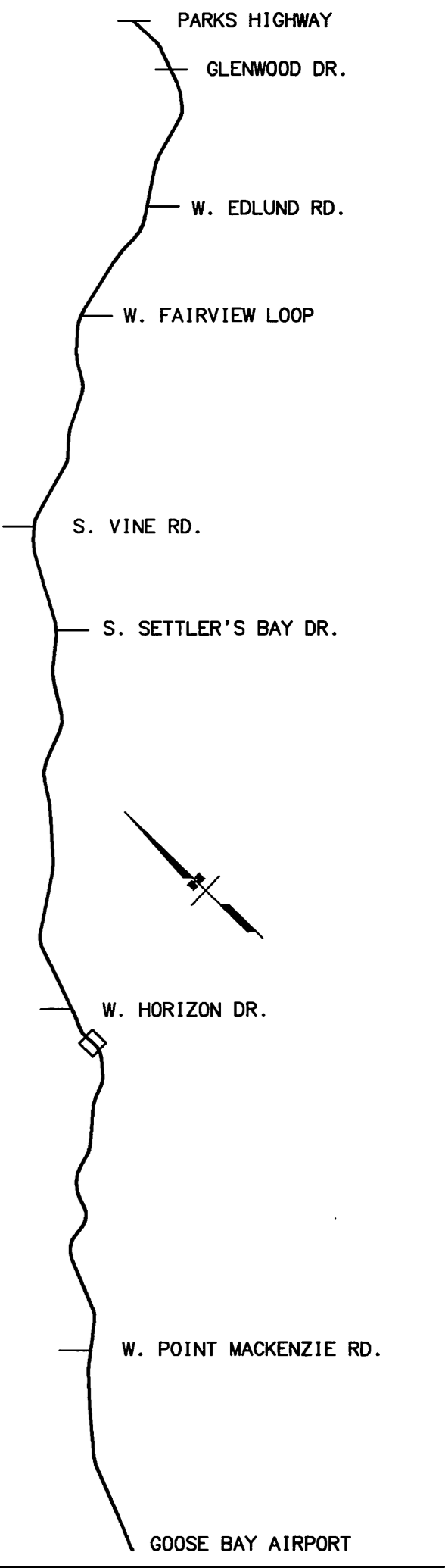


P.I. STA. 705+68.55
 N = 102872.106
 E = 376501.526
 $\Delta = 33^\circ 00' 24.7''$ LT.
 T = 424.30'
 L = 824.99'
 R = 1432.08'
 S = 5.7%
 TL = 198'

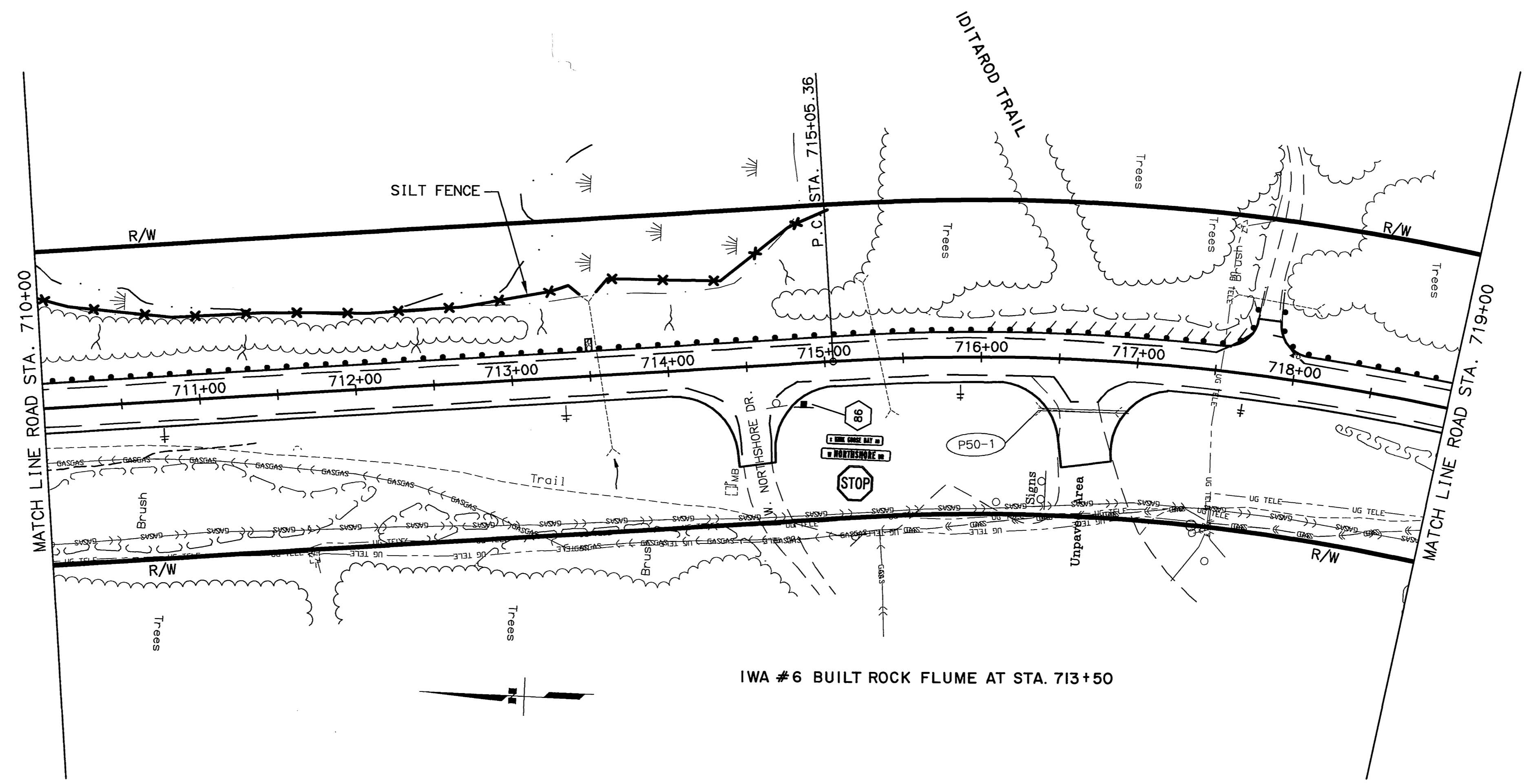


STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**KNIK-GOOSE BAY ROAD
 REHABILITATION
 AND PATHWAY**
 PATHWAY
 PLAN AND PROFILE

NO.	DATE	DESCRIPTION



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**KNIK-GOOSE BAY ROAD
 REHABILITATION
 AND PATHWAY**
 PATHWAY
 PLAN AND PROFILE

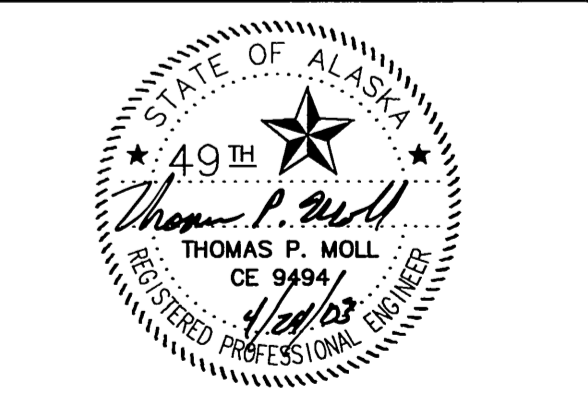
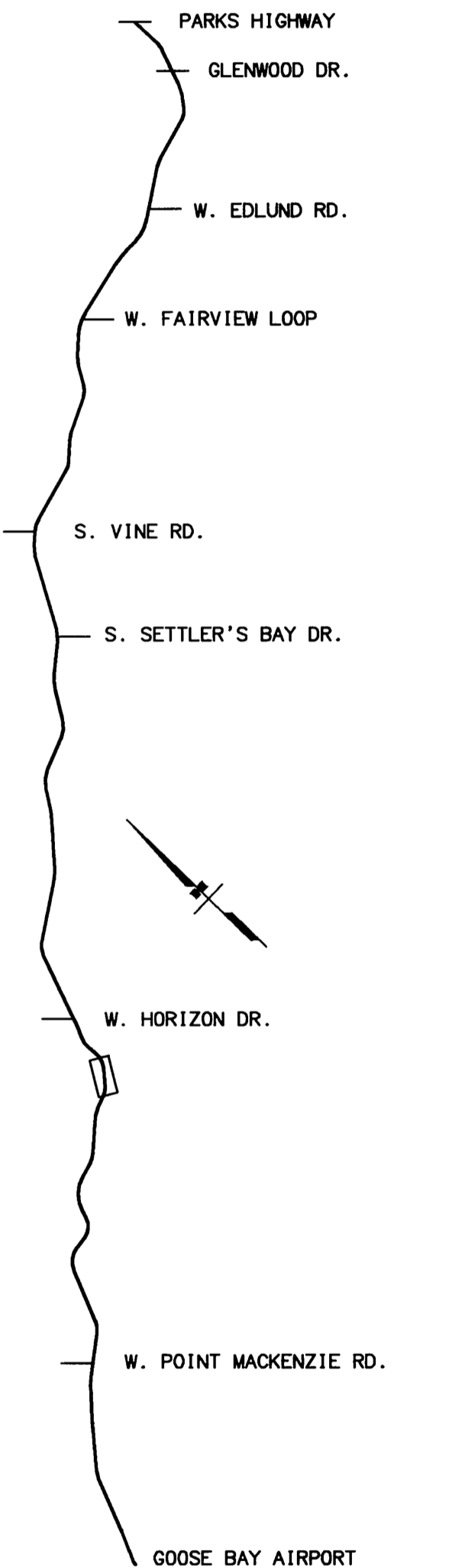


IWA #6 BUILT ROCK FLUME AT STA. 713+50



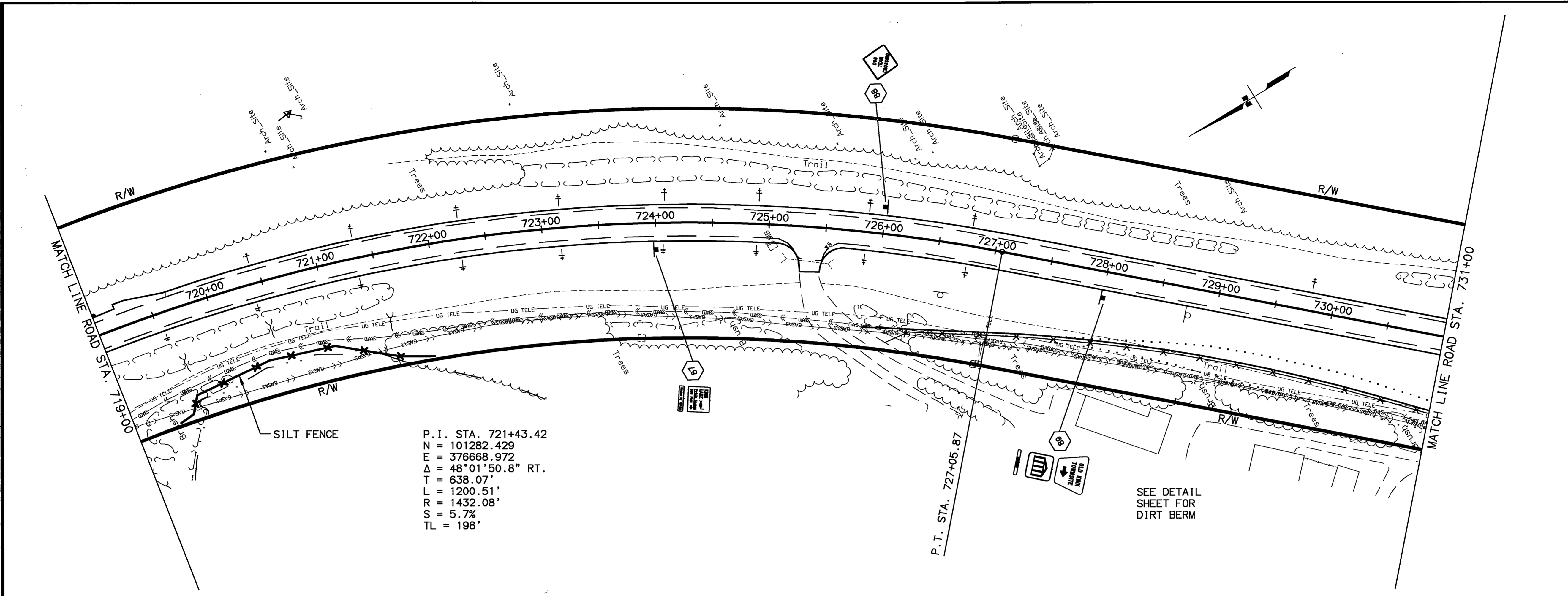
SPECIFICATIONS
 SCALE 1"=50'
 COMPUTER DESIGNATION
 XREF'S: BASE_KGB.DWG, PROF_KGB.DWG, MAP_SIDE.DWG
 AUTOCAD-PATHWAY/ANESSA-58222R/PANDP_KGB.DWG
 VIEW: F50
 DESIGNED BY
 CHECKED BY
 DRAFTED BY
 JL/VS
 04/11/2003

SHEET NO.	TOTAL SHEETS	
F51	F65	
STATE	YEAR	
ALASKA	2003	
PROJECT DESIGNATION		
CA-0525(11)/53922		
ADDENDUM NO.		
ATTACHMENT NO.		
REVISIONS		
NO.	DATE	DESCRIPTION



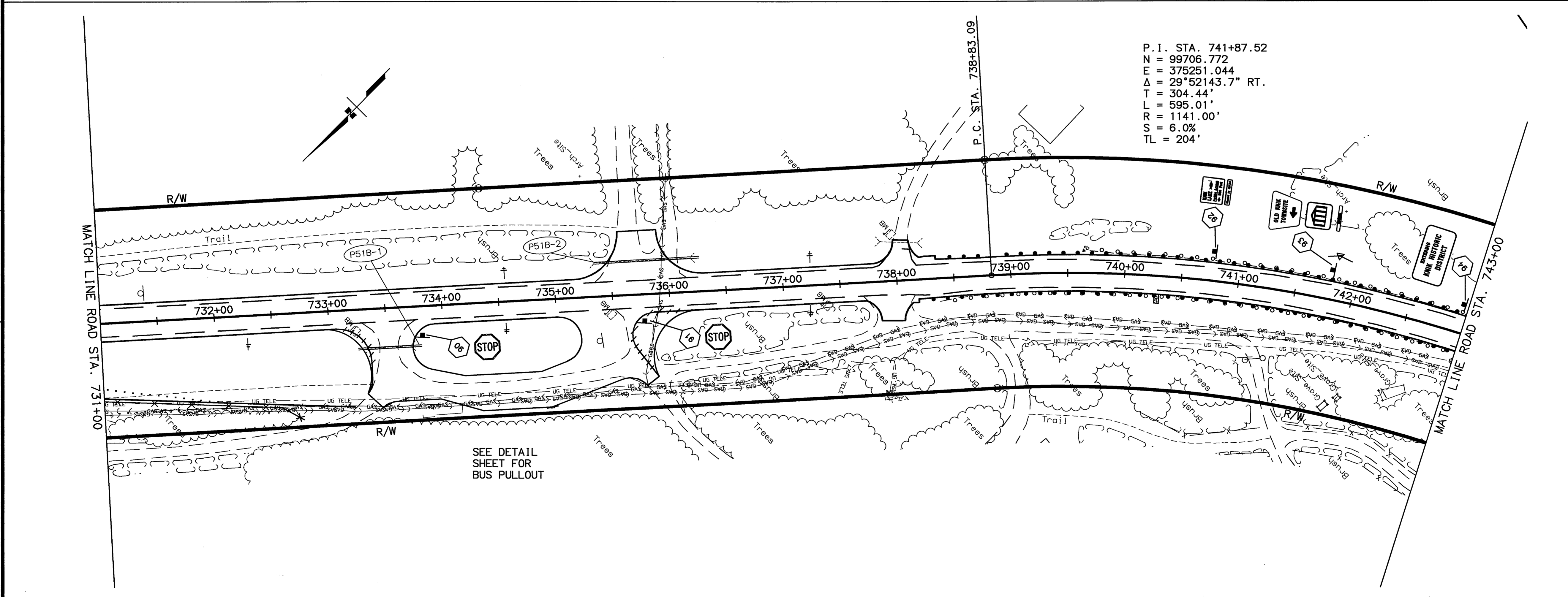
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
**KNIK-GOOSE BAY ROAD
REHABILITATION
AND PATHWAY**

PLAN



P. I. STA. 721+43.42
N = 101282.429
E = 376668.972
Δ = 48°01'50.8" RT.
T = 638.07'
L = 1200.51'
R = 1432.08'
S = 5.7%
TL = 198'

SEE DETAIL SHEET FOR DIRT BERM

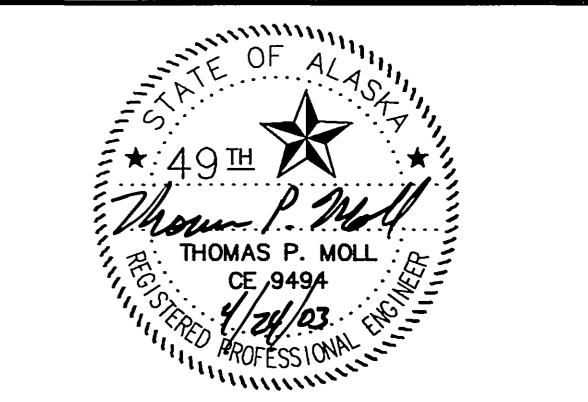
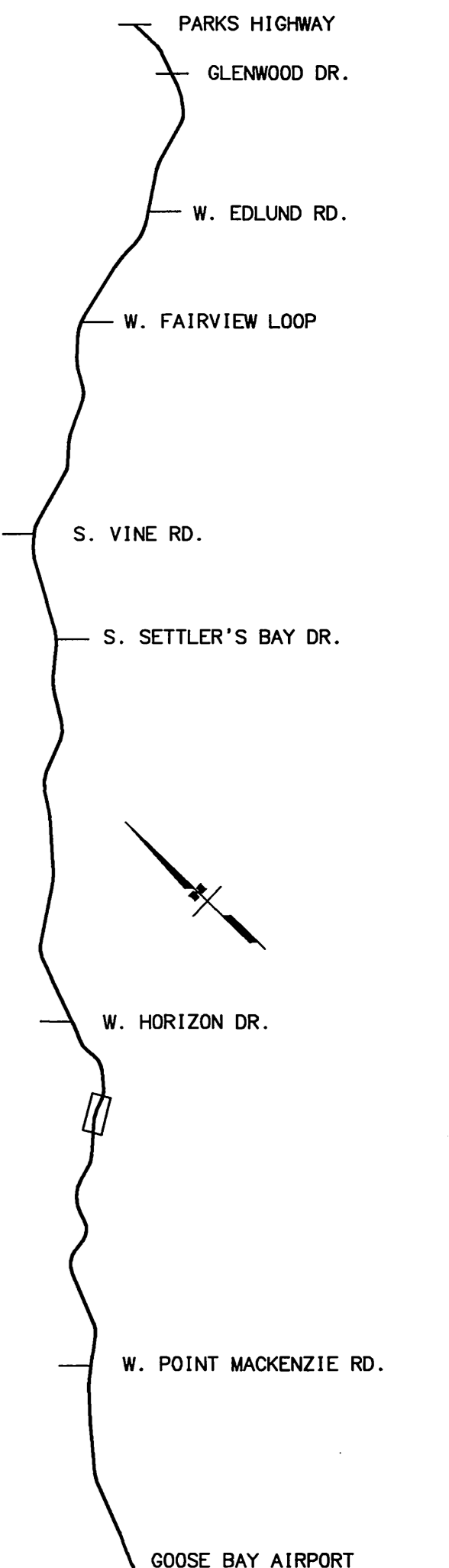


P. I. STA. 741+87.52
N = 99706.772
E = 375251.044
Δ = 29°52'14.7" RT.
T = 304.44'
L = 595.01'
R = 1141.00'
S = 6.0%
TL = 204'

SEE DETAIL SHEET FOR BUS PULLOUT

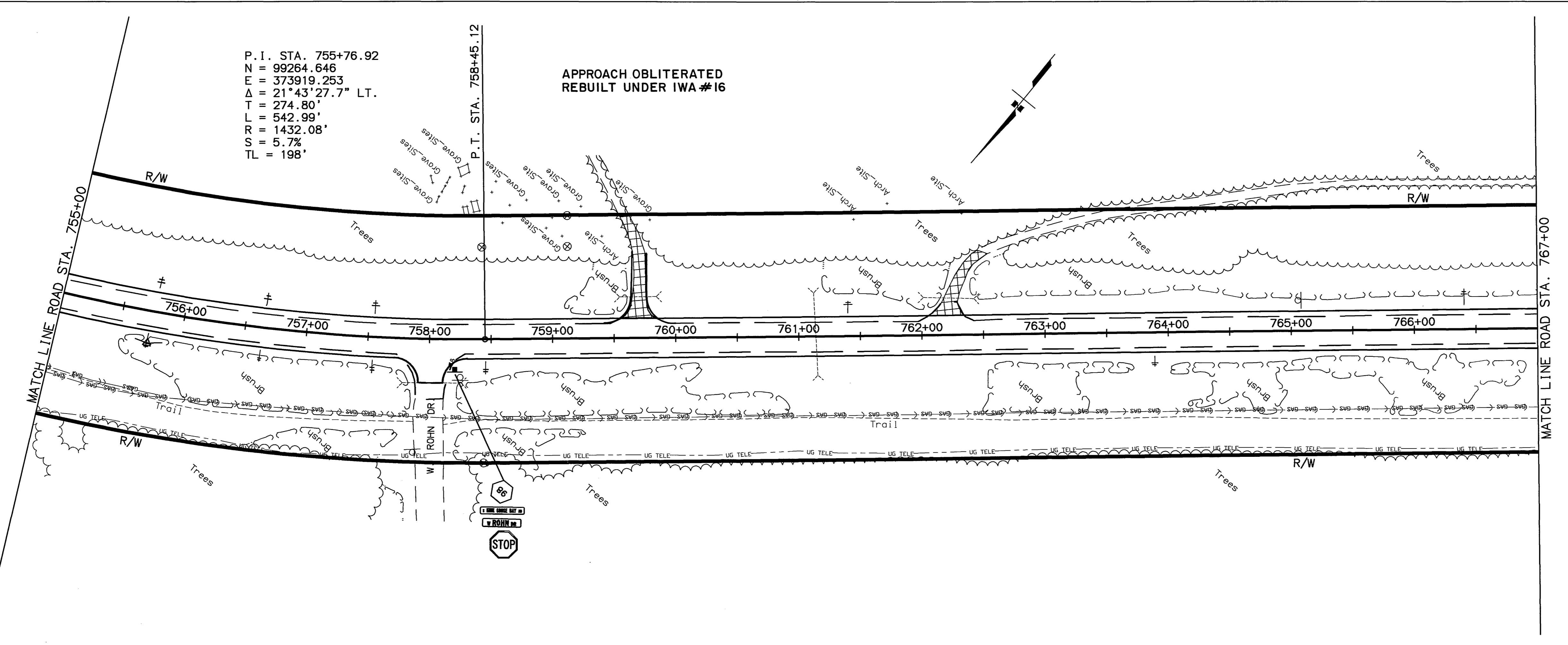
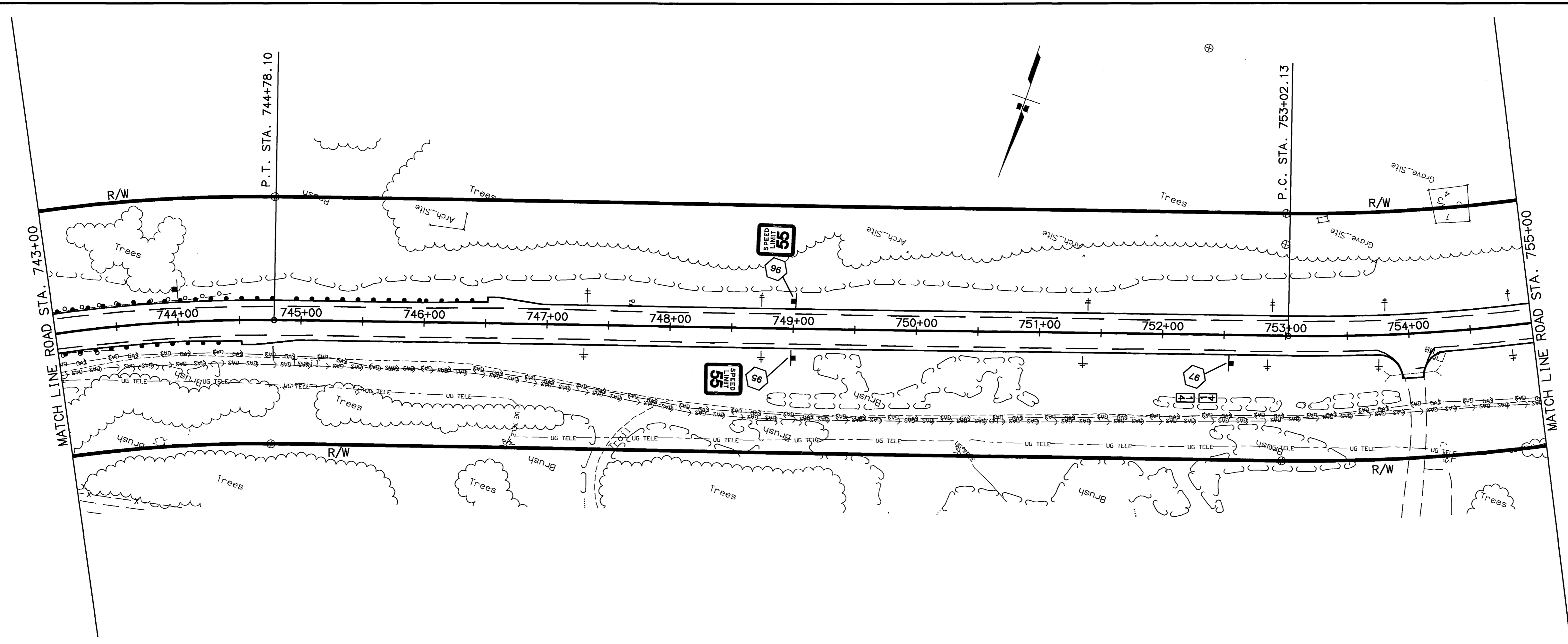
SPECIFICATIONS: XREFS: BASE_KOB.DWG, PROF_KOB.DWG, MAP_SIDE.DWG, AUTOCAD-PATHWAY/ANAKSA-53922R3/PANDP_KOB.DWG
 SCALE: 1"=50' COMPUTER DESIGNATION: VIEW: F51
 DESIGNED BY: PL/VS CHECKED BY: DRIFTED BY: 04/14/2003

SHEET NO.	TOTAL SHEETS	
F52	F65	
STATE	YEAR	
ALASKA	2003	
PROJECT DESIGNATION		
CA-0525(11)/53922		
ADDENDUM NO.		
ATTACHMENT NO.		
REVISIONS		
NO.	DATE	DESCRIPTION



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
**KNIK-GOOSE BAY ROAD
REHABILITATION
AND PATHWAY**

PLAN



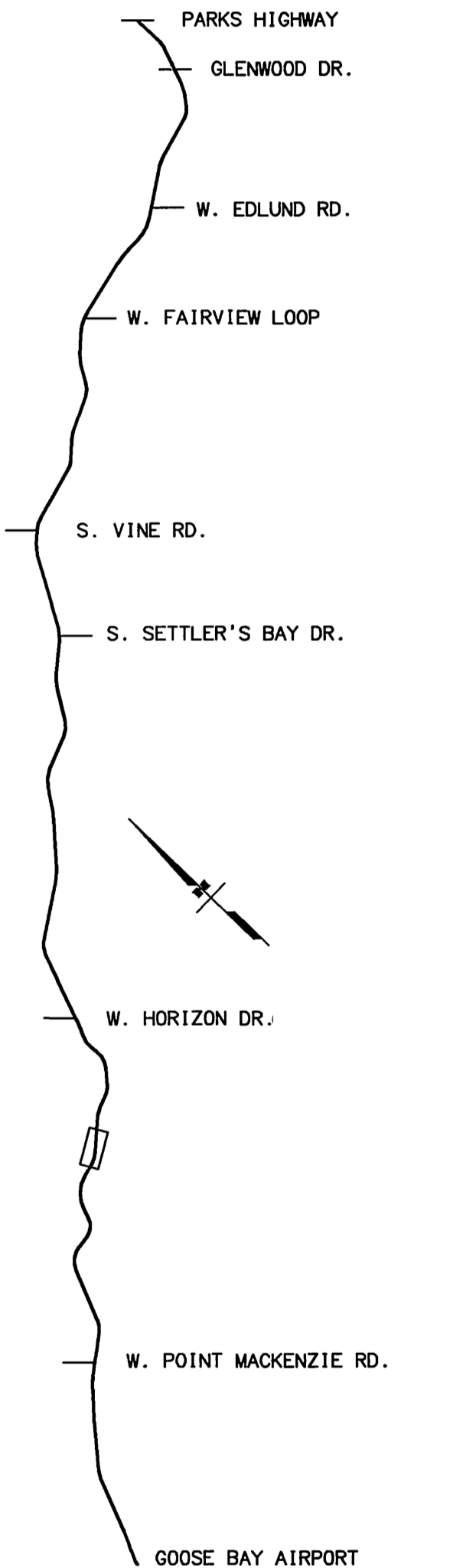
SPECIFICATIONS: XREFS: BASE_KOB.DWG, PROF_KOB.DWG, MAP_SITE.DWG, AUTOCAD-PATHWAY/ANASSA-53922R3/PANDP_KOB.DWG
 SCALE: 1"=50' COMPUTER DESIGNATION: VIEW: F52
 DESIGNED BY: R/V/S
 CHECKED BY:
 DRAFTED BY:

04/14/2003

SHEET NO.	TOTAL SHEETS
F53	F65
STATE	YEAR
ALASKA	2003
PROJECT DESIGNATION	
CA-0525(11)/53922	
ADDENDUM NO.	

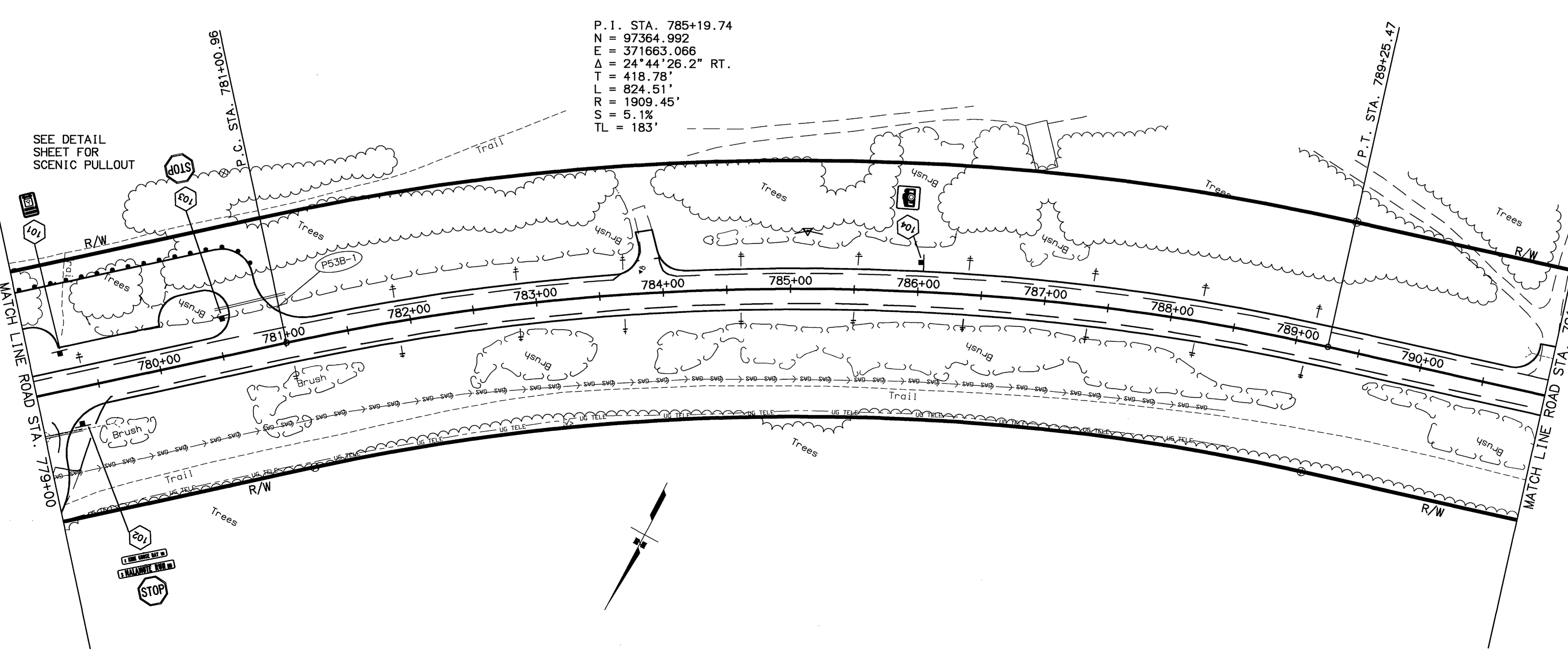
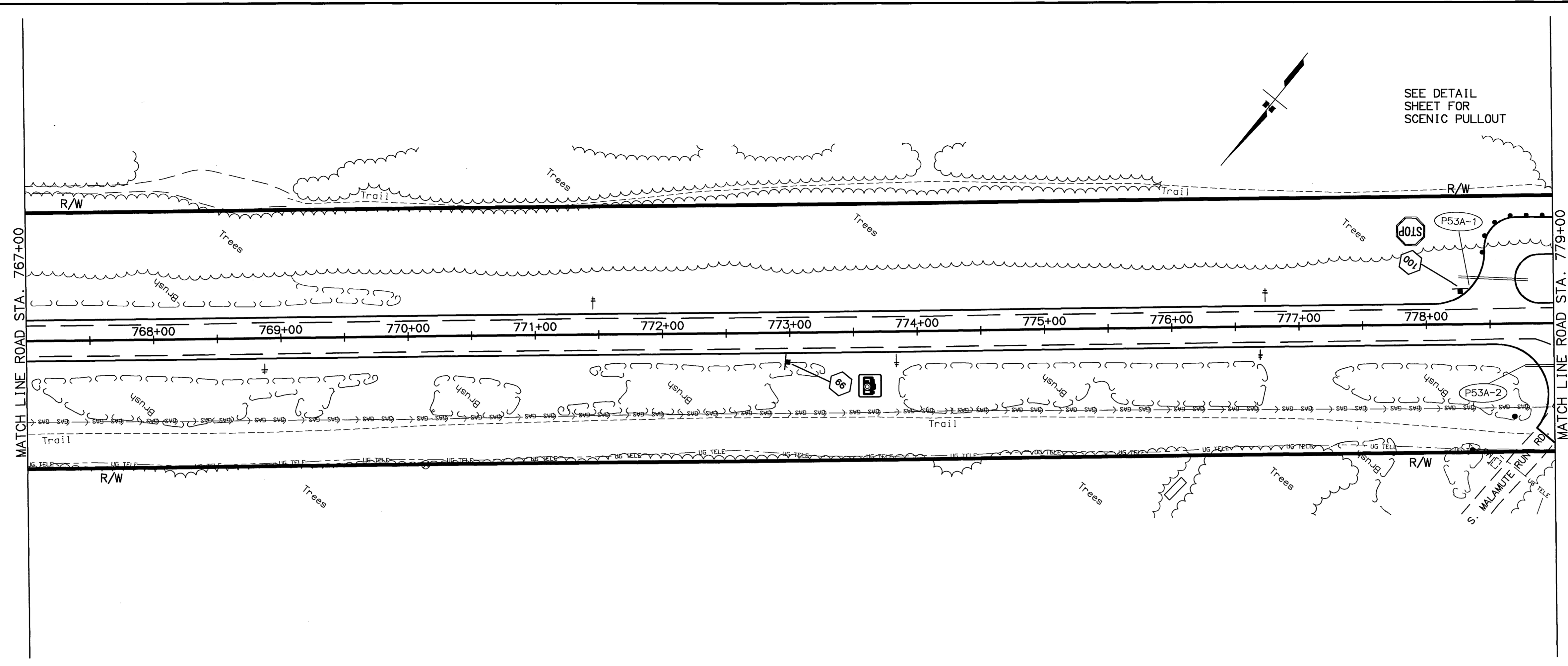
ATTACHMENT NO.

REVISIONS		
NO.	DATE	DESCRIPTION



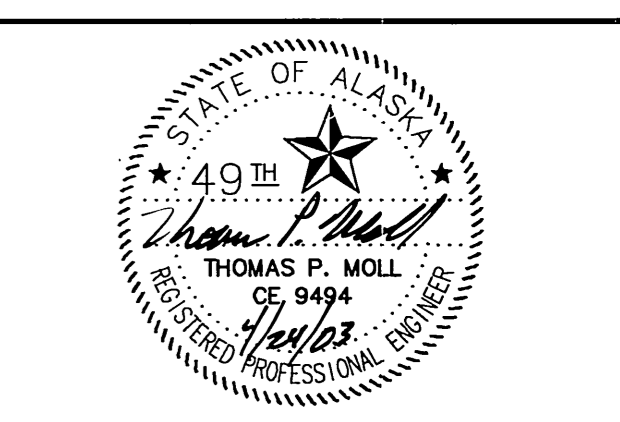
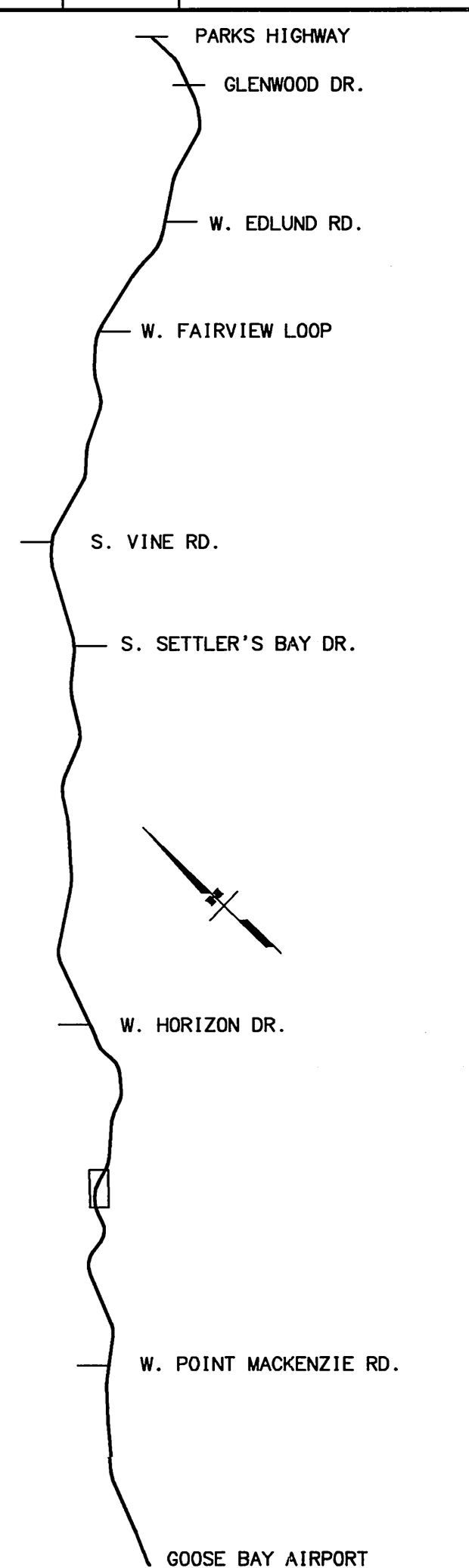
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
**KNIK-GOOSE BAY ROAD
REHABILITATION
AND PATHWAY**

PLAN



SPECIFICATIONS: XREFS: BRSE_KGB.DWG, PROF_KGB.DWG, MAP_SIDE.DWG, AUTOCAD-PATH/VANESSA-53922R3/PANDP_KGB.DWG
 SCALE: 1"=50'
 COMPUTER DESIGNATION: VIEW: F53
 DATE: 04/14/2003
 DESIGNED BY: P.R./VS
 CHECKED BY:
 DRAFTED BY:

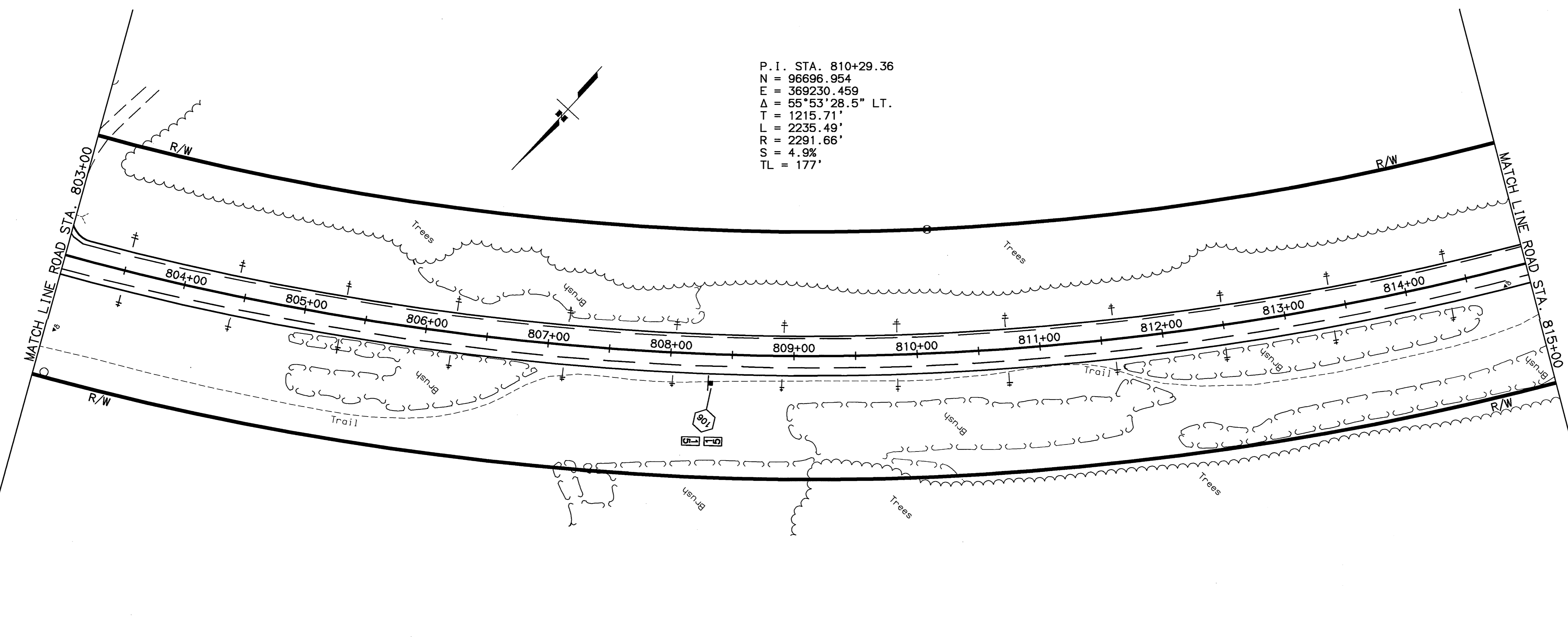
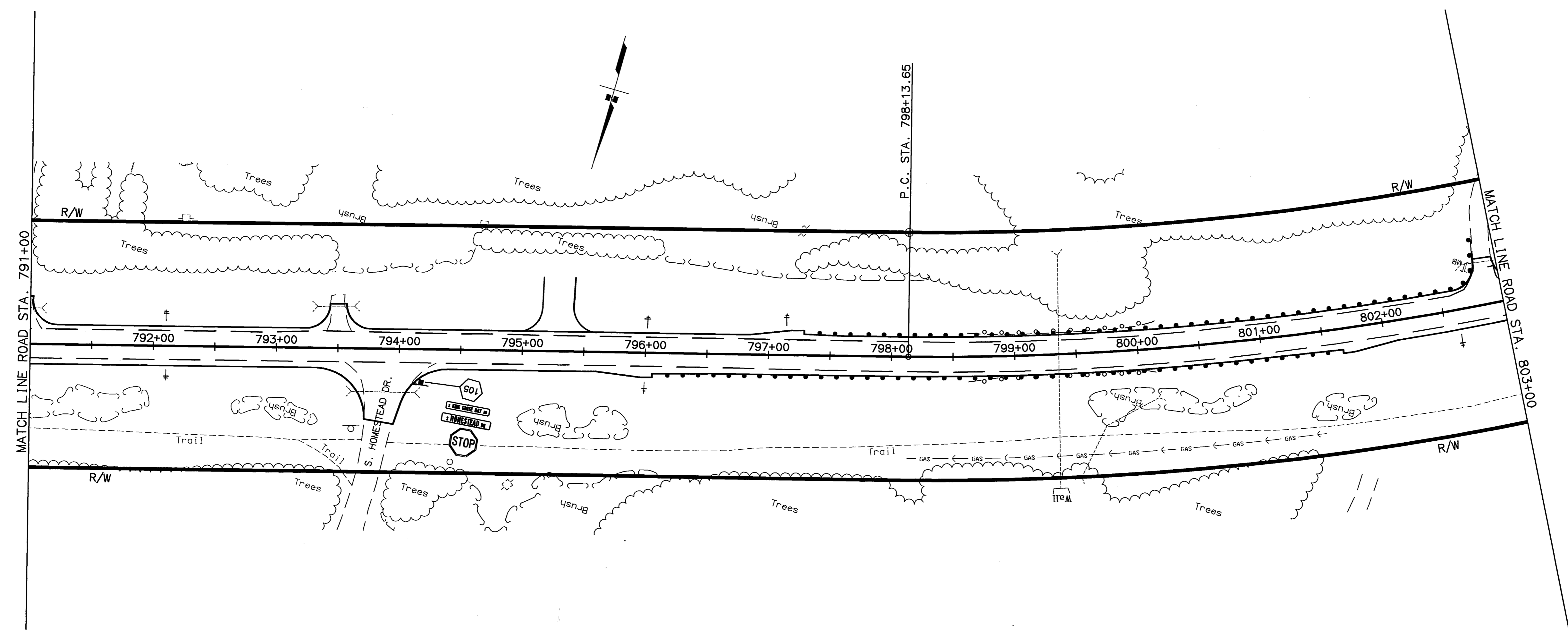
SHEET NO.	TOTAL SHEETS	
F54	F65	
STATE	YEAR	
ALASKA	2003	
PROJECT DESIGNATION		
CA-0525(11)/53922		
ADDENDUM NO.		
ATTACHMENT NO.		
REVISIONS		
NO.	DATE	DESCRIPTION



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

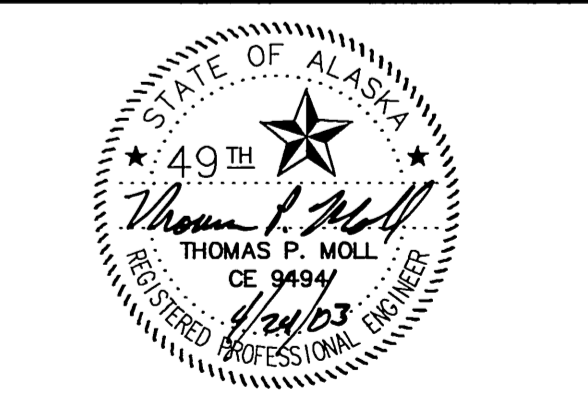
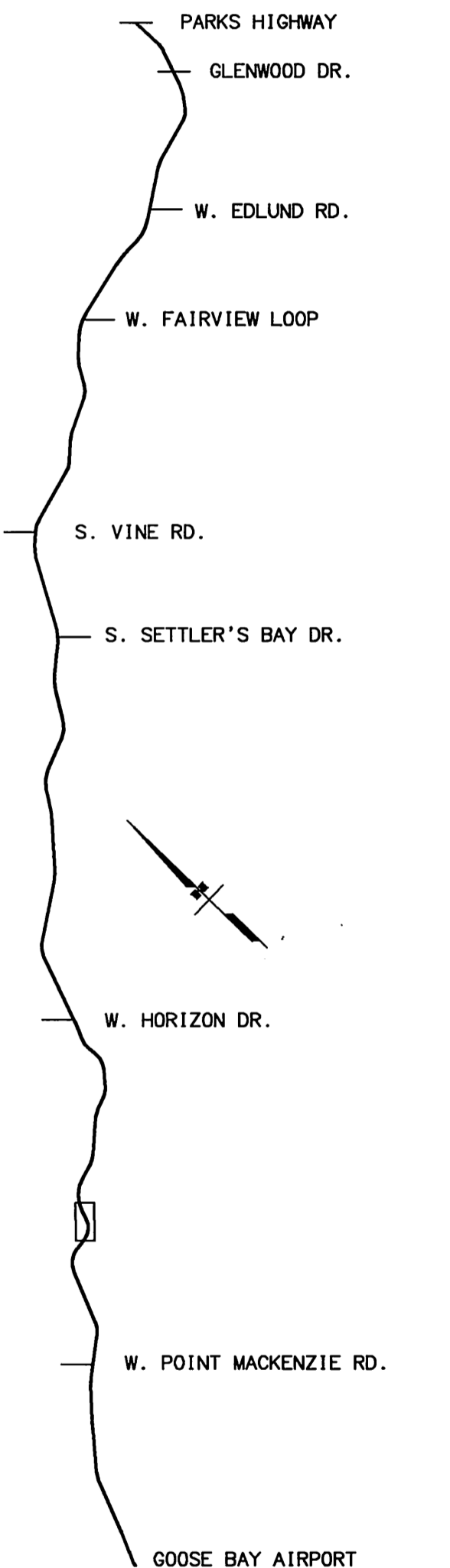
**KNIK-GOOSE BAY ROAD
REHABILITATION
AND PATHWAY**

PLAN



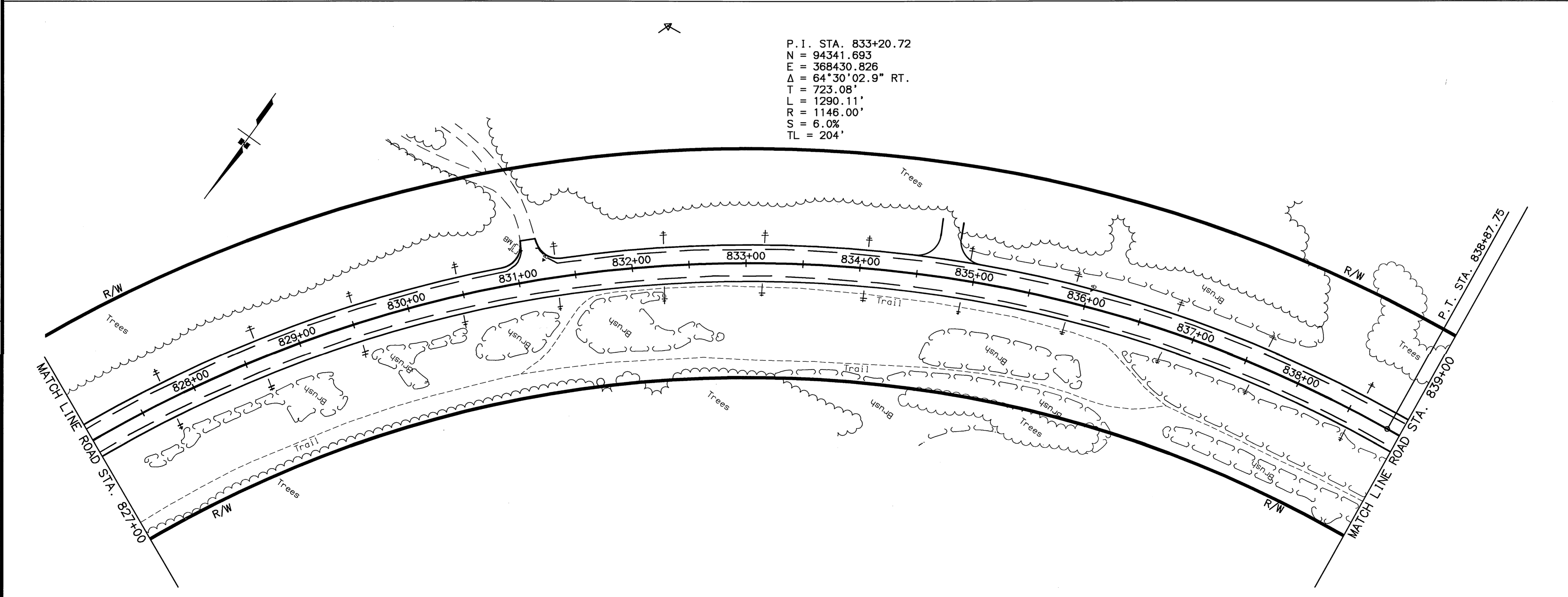
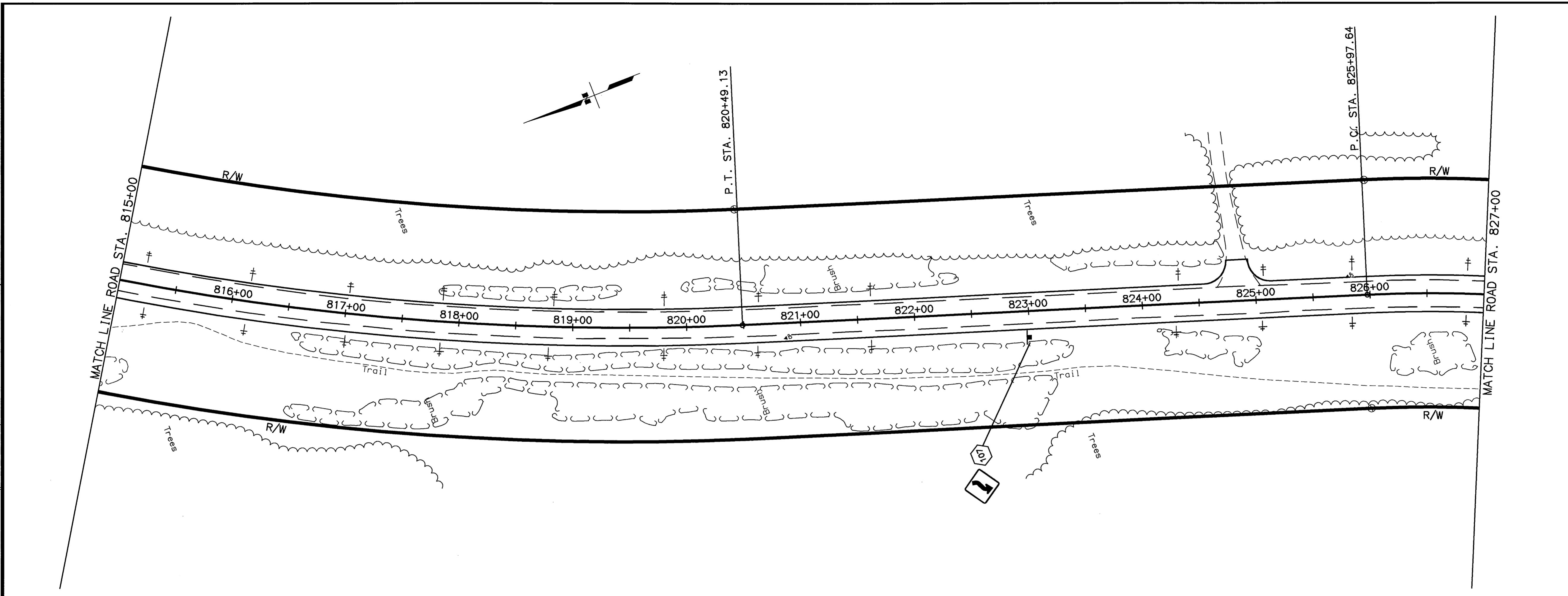
SPECIFICATIONS: XREFS: BASE: KGB.DWG, PROFILE: GBE.DWG, MAP: STD.DWG, AUTOCAD: PAIT/ALASKA-S22223/PAUP_KGB.DWG, VIEW: F54
DESIGNED BY: PL/VS, DRAFTED BY: PL/VS, DATE: 04/14/2003

SHEET NO.	TOTAL SHEETS	
F55	F65	
STATE	YEAR	
ALASKA	2003	
PROJECT DESIGNATION		
CA-0525(11)/53922		
ADDENDUM NO.		
ATTACHMENT NO.		
REVISIONS		
NO.	DATE	DESCRIPTION



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
**KNIK-GOOSE BAY ROAD
REHABILITATION
AND PATHWAY**

PLAN

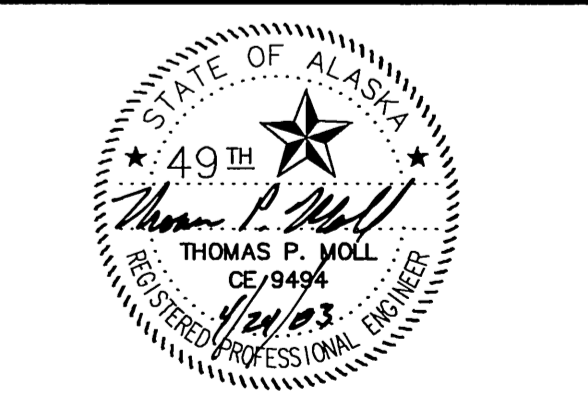
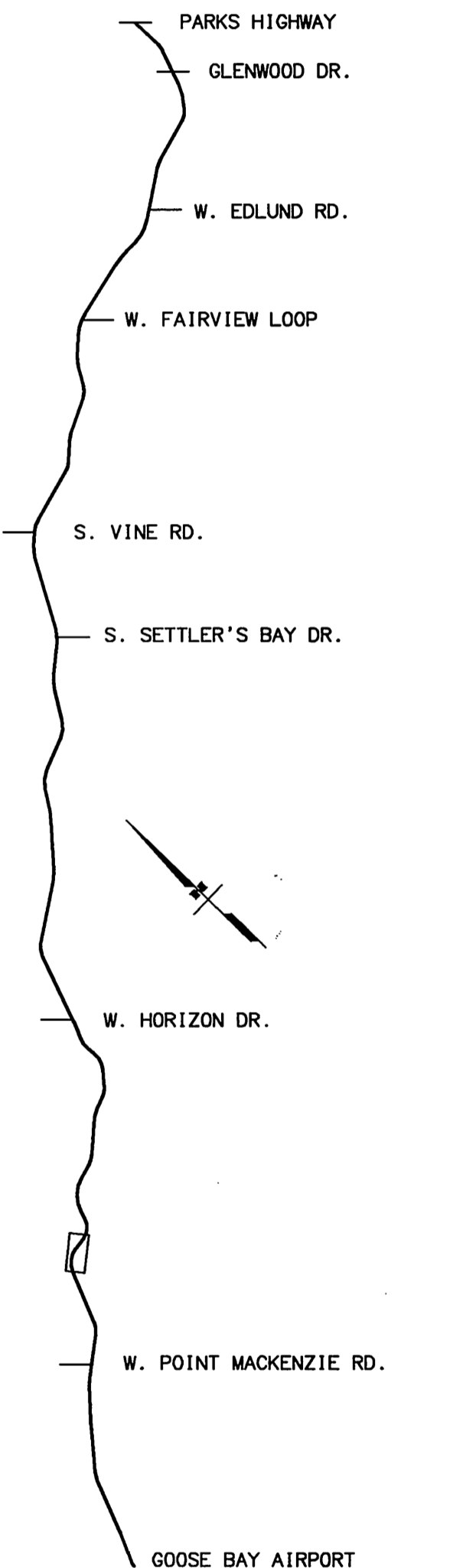


P.I. STA. 833+20.72
N = 94341.693
E = 368430.826
Δ = 64°30'02.9" RT.
T = 723.08'
L = 1290.11'
R = 1146.00'
S = 6.0%
TL = 204'

SPECIFICATIONS: XREFS: BASE_KGB.DWG, PROF_KGB.DWG, MAP_SITE.DWG, AUTOCAD:PATTI/VANESSA-53922R3/PANDP_KGB.DWG
 SCALE: 1"=50' COMPUTER DESIGNATION: VIEW: F55
 DESIGNED BY: P.L/V/S
 CHECKED BY:
 DRAFTED BY:

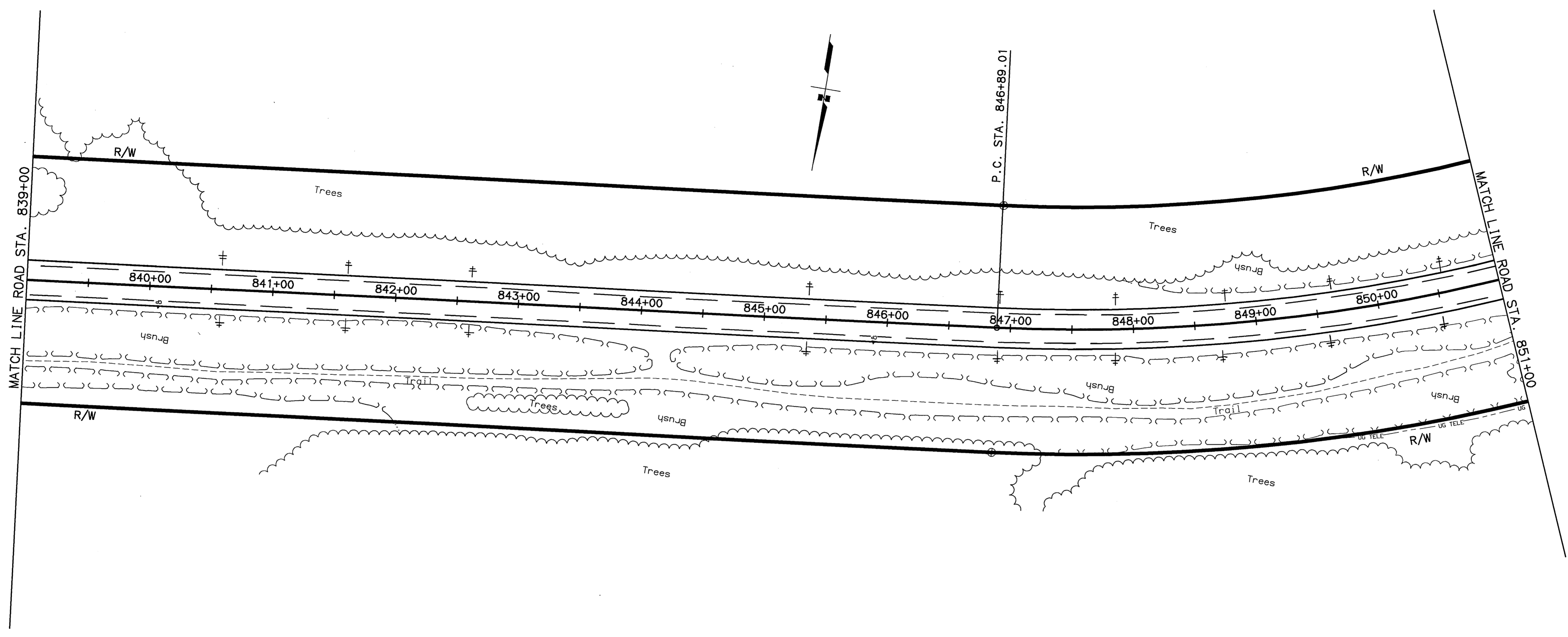
04/14/2003

SHEET NO.	TOTAL SHEETS	
F56	F65	
STATE	YEAR	
ALASKA	2003	
PROJECT DESIGNATION		
CA-0525(11)/53922		
ADDENDUM NO.		
ATTACHMENT NO.		
REVISIONS		
NO.	DATE	DESCRIPTION

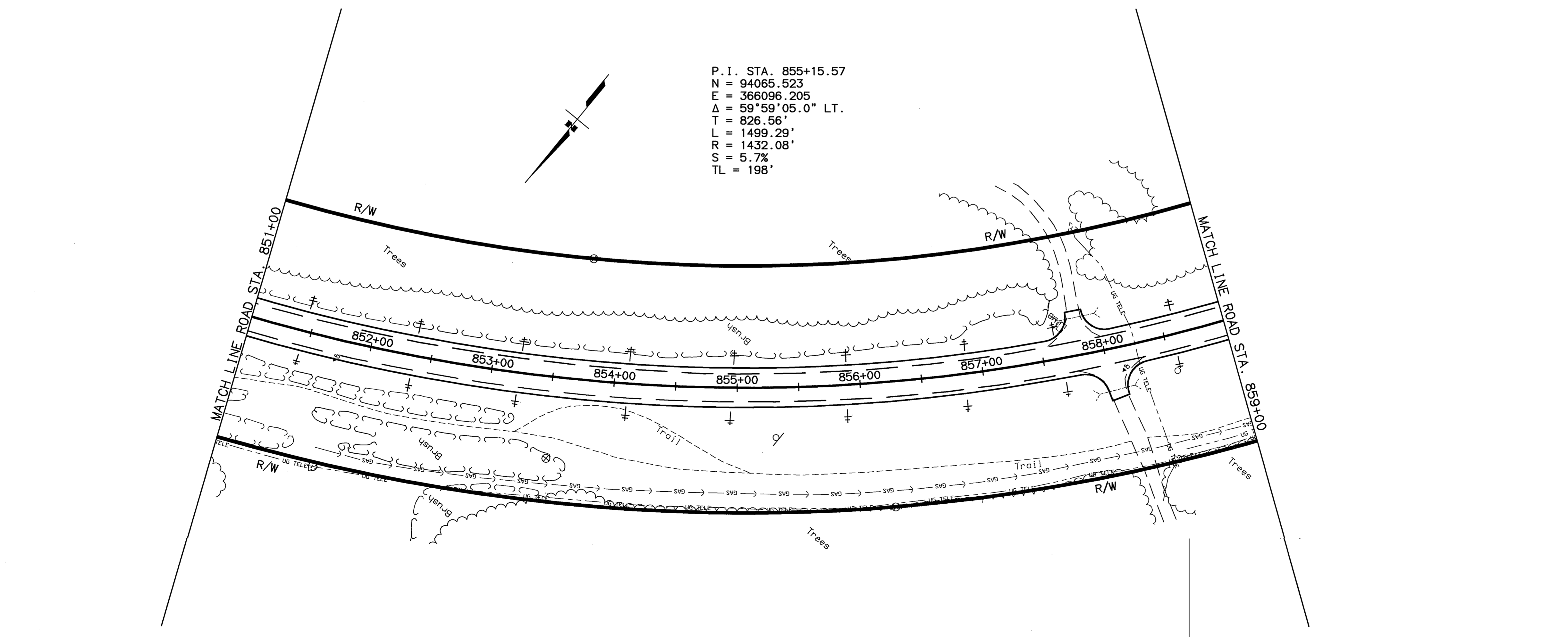


STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
KNIK-GOOSE BAY ROAD
REHABILITATION
AND PATHWAY

PLAN

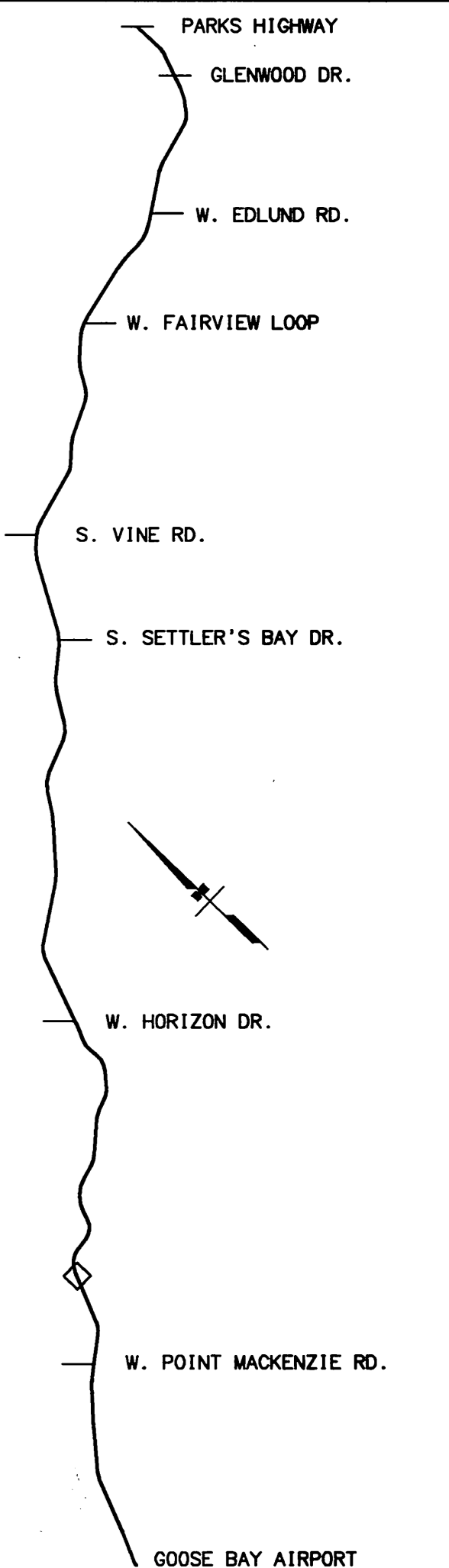


P.I. STA. 855+15.57
 N = 94065.523
 E = 366096.205
 $\Delta = 59^\circ 59' 05.0''$ LT.
 T = 826.56'
 L = 1499.29'
 R = 1432.08'
 S = 5.7%
 TL = 198'



SPECIFICATIONS
 SCALE 1"=50'
 COMPUTER DESIGNATION
 XREFS: BASE_KGB.DWG, PROF_KGB.DWG, MAP_SIDE.DWG
 AUTOCAD-PATTI/ANESSA-58922R/PANOP_KGB.DWG
 VIEW: F56
 DESIGNED BY
 CHECKED BY
 DRAFTED BY
 04/14/2003
 R./VS

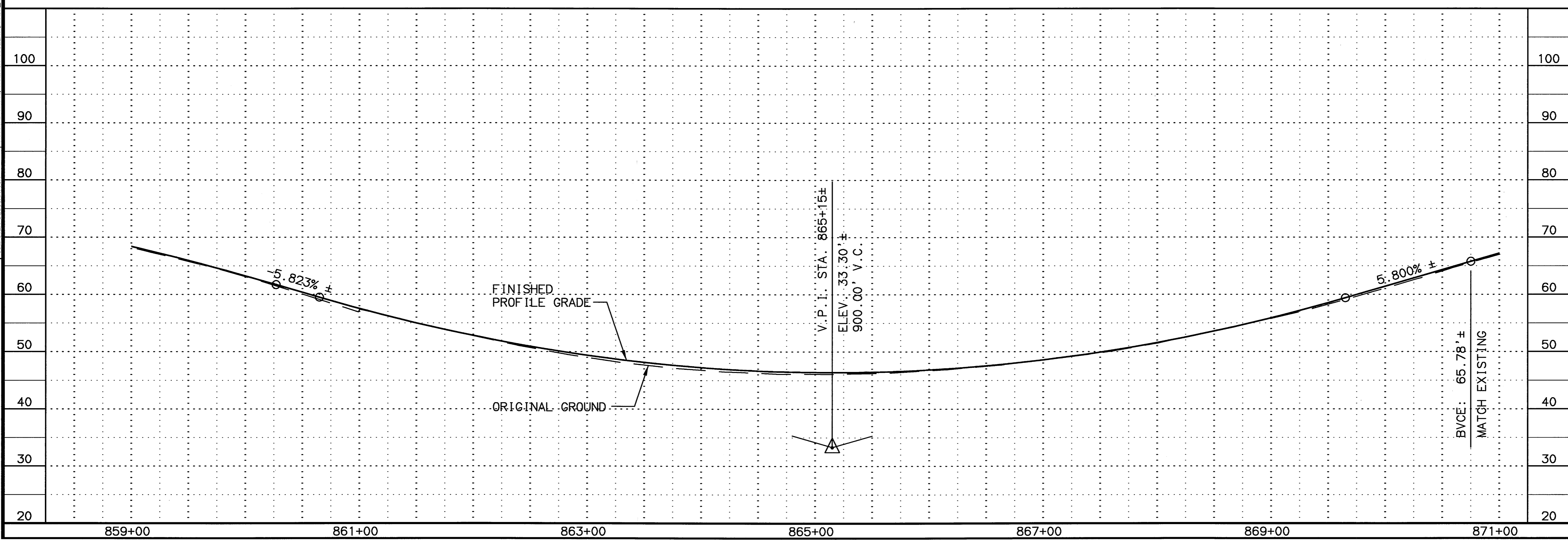
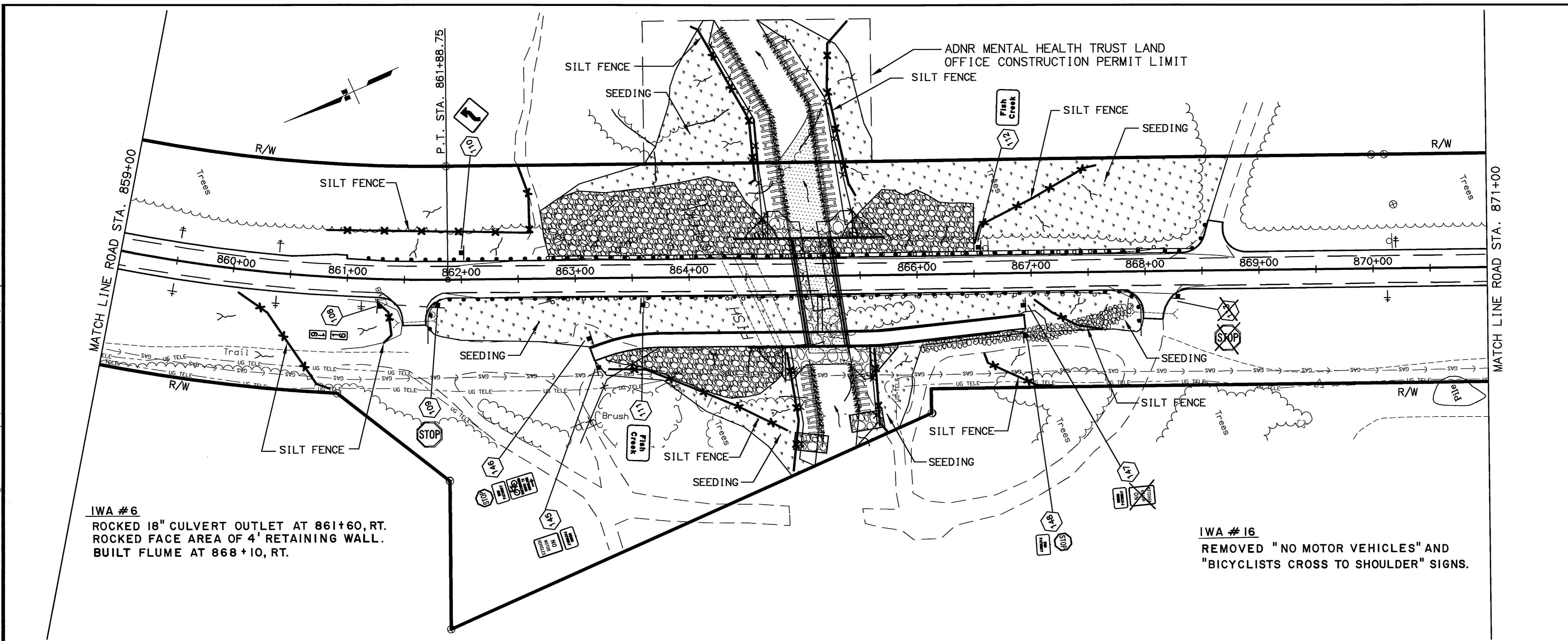
SHEET NO.	TOTAL SHEETS	
F57	F65	
STATE	YEAR	
ALASKA	2003	
PROJECT DESIGNATION		
CA-0525(11)/53922		
ADDENDUM NO.		
ATTACHMENT NO.		
REVISIONS		
NO.	DATE	DESCRIPTION



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

**KNIK-GOOSE BAY ROAD
REHABILITATION
AND PATHWAY**

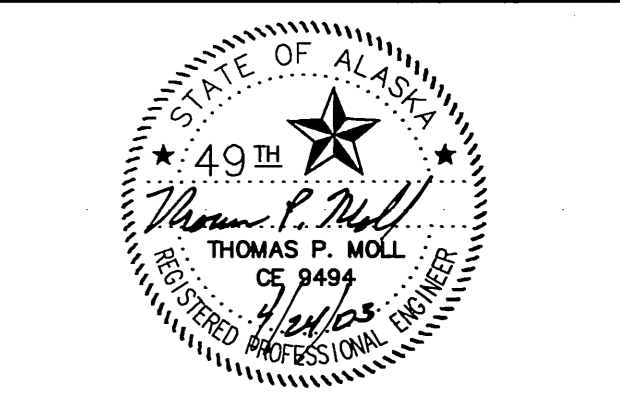
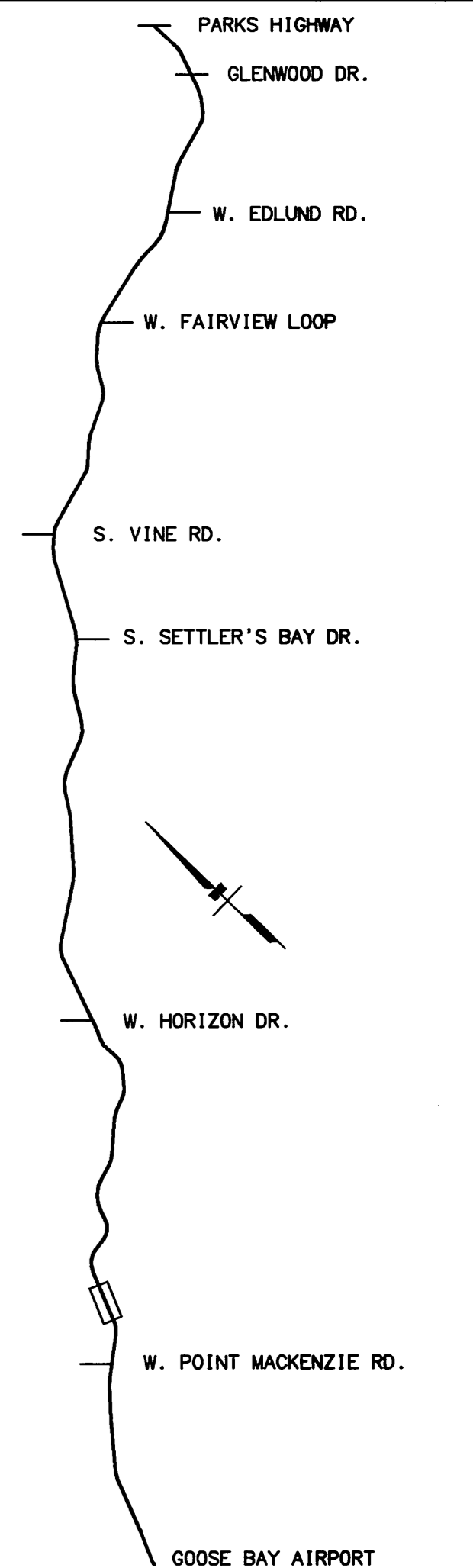
KNIK-GOOSE BAY ROAD
PLAN AND PROFILE



SPECIFICATIONS: XREFS: BASE_KGB.DWG, PROF_KGB.DWG, MAP_SIDE.DWG
 SCALE: 1"=80' COMPUTER DESIGNATION: AUTOCAD-PATTI/VANESSA-53922R3/PANDP_KGB.DWG VIEW: F57
 DESIGNED BY: PL/VS
 CHECKED BY:
 DRAFTED BY:

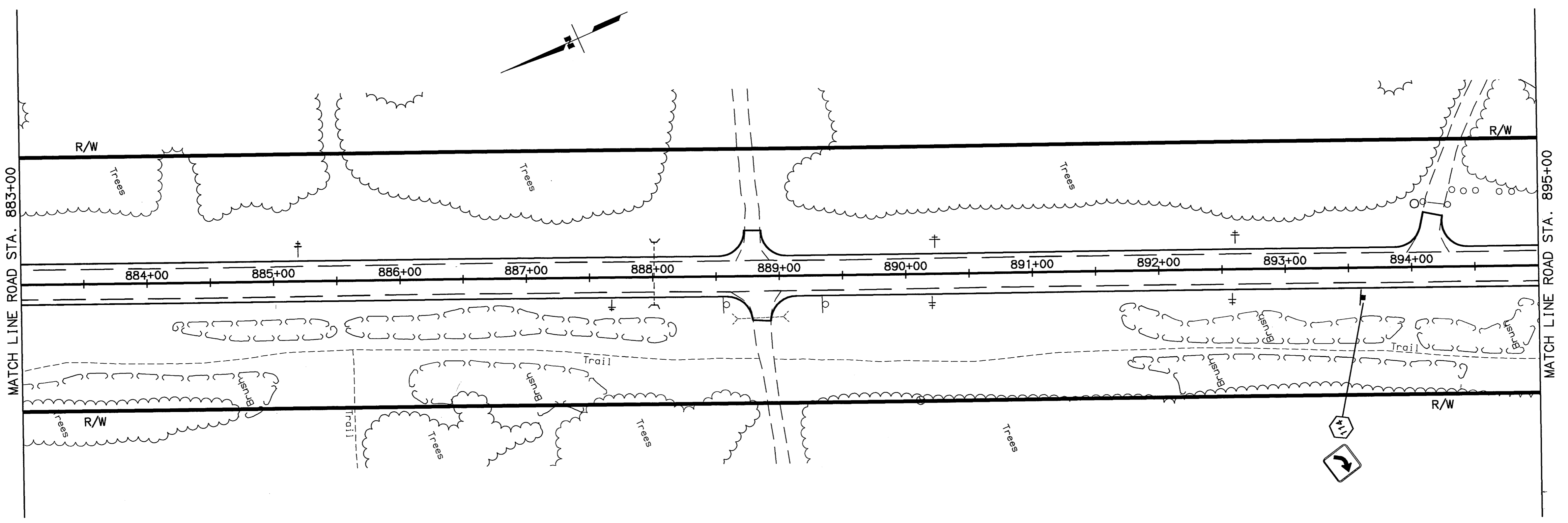
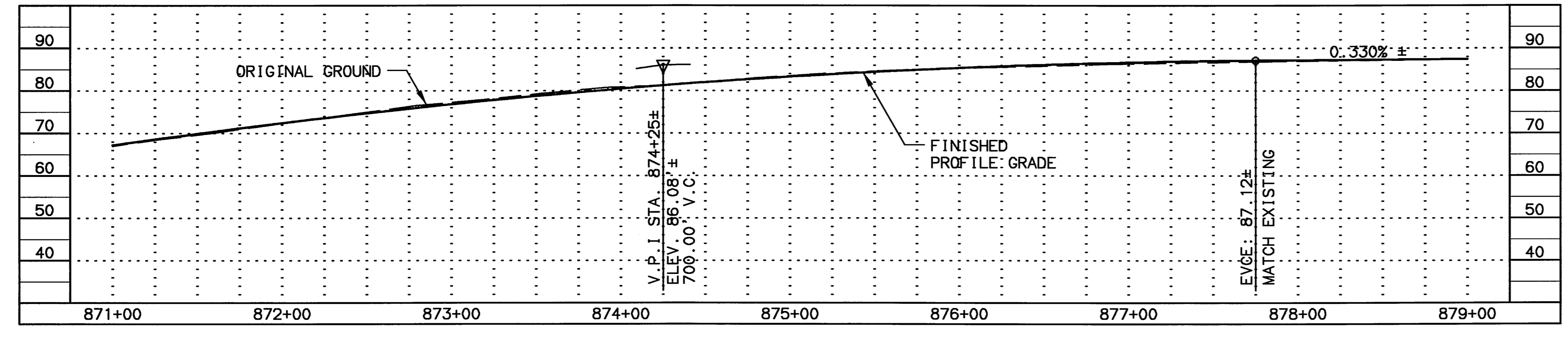
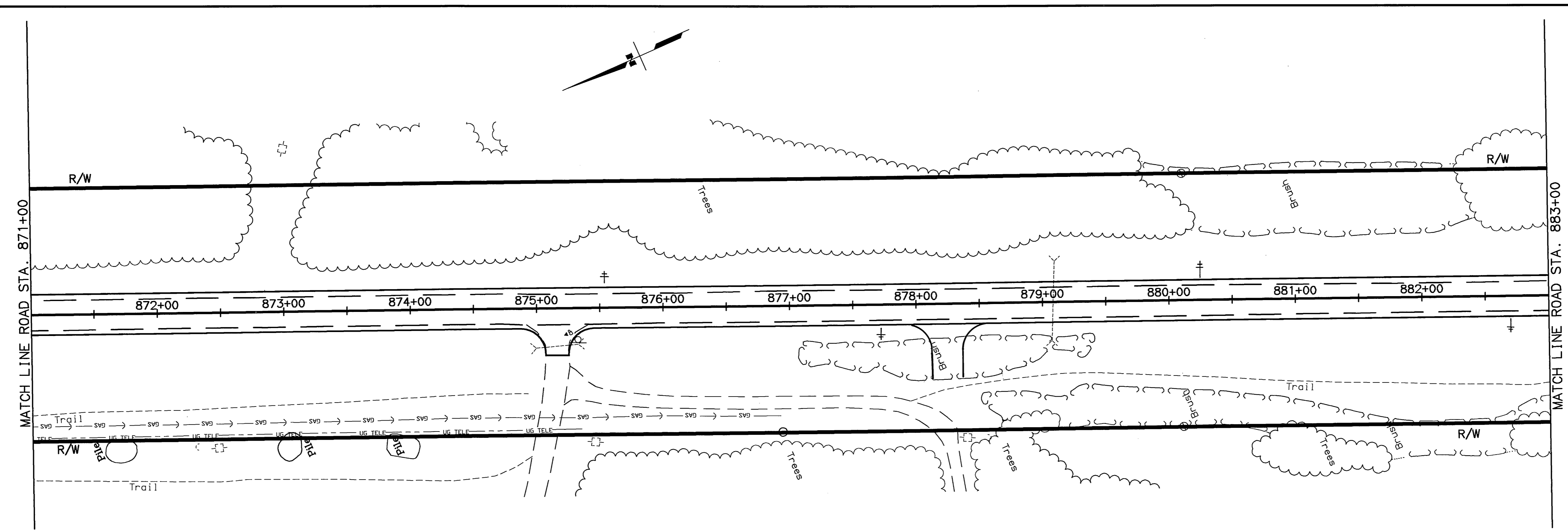
04/21/2003

SHEET NO.	TOTAL SHEETS	
F58	F65	
STATE	YEAR	
ALASKA	2003	
PROJECT DESIGNATION		
CA-0525(11)/53922		
ADDENDUM NO.		
ATTACHMENT NO.		
REVISIONS		
NO.	DATE	DESCRIPTION



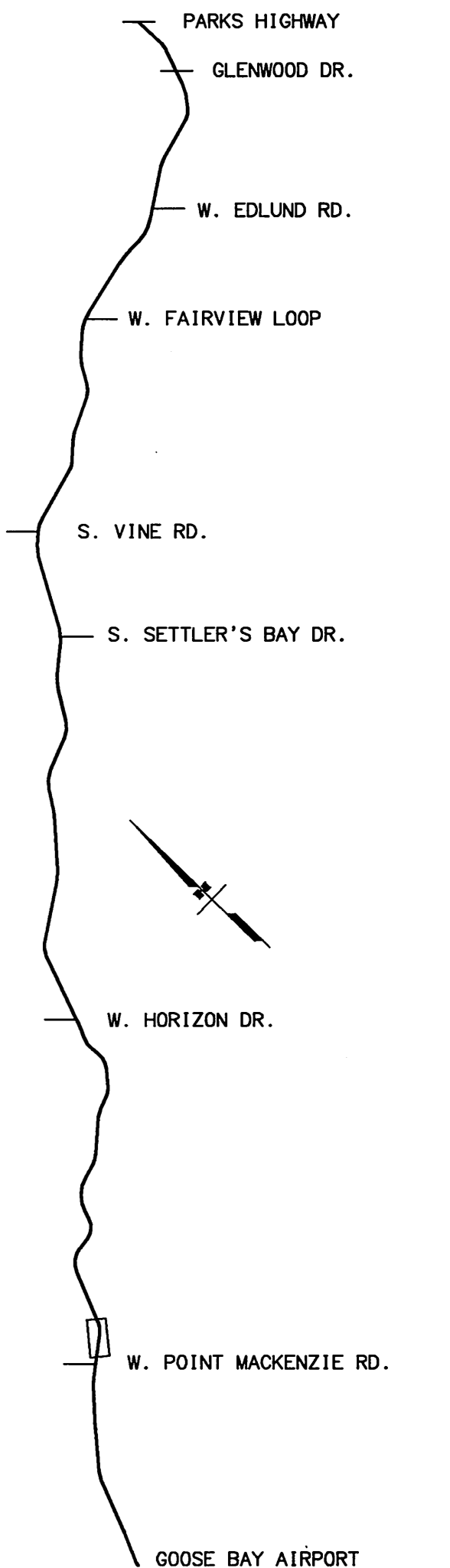
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
**KNIK-GOOSE BAY ROAD
REHABILITATION
AND PATHWAY**

PLAN



SPECIFICATIONS: XREFS: BASE: KGB.DWG, PROF: KGB.DWG, MAP: SIDE.DWG, AUTOCAD: PAT1/VAKES-S-32283-VANUP_KGB.DWG
 SCALE: 1"=50' COMPUTER DESIGNATION: VIEW: F58
 DESIGNED BY: PL/VS CHECKED BY: DATE: 04/21/2003 DRAWN BY:

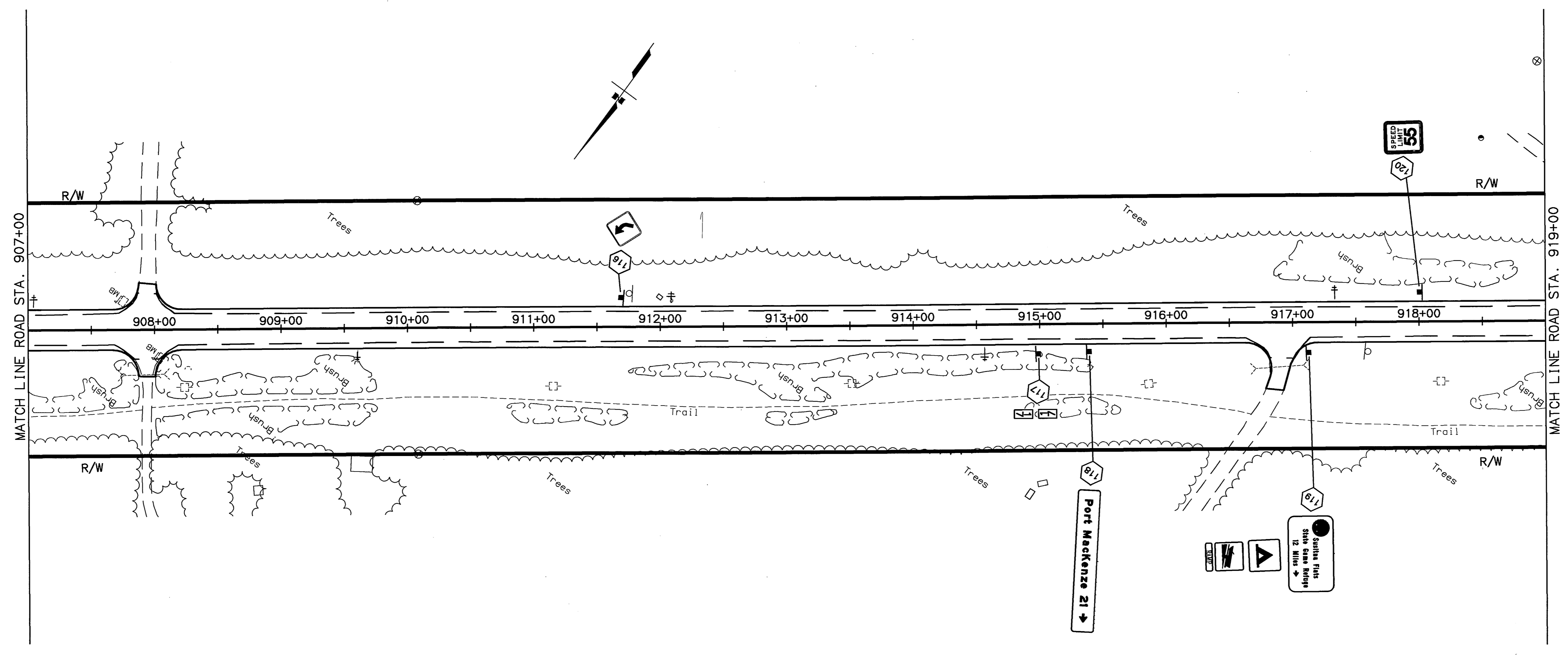
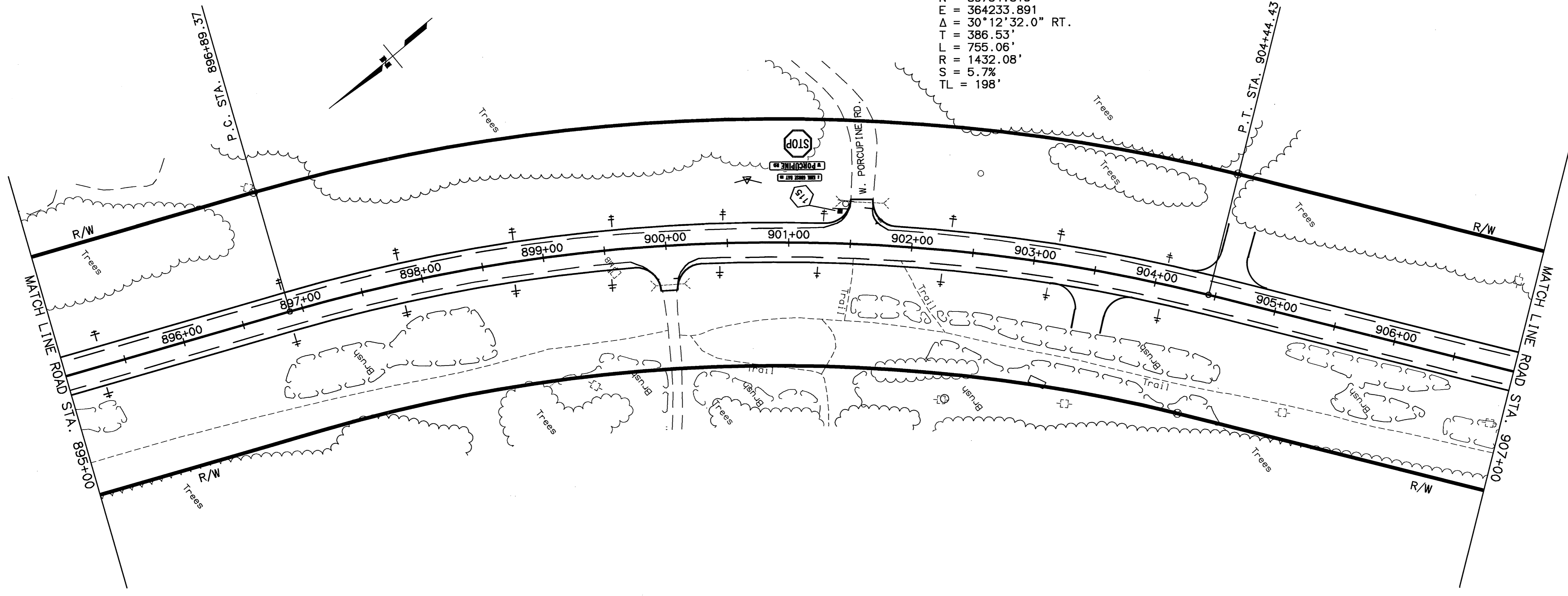
NO.	DATE	DESCRIPTION



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
**KNIK-GOOSE BAY ROAD
REHABILITATION
AND PATHWAY**

PLAN

P.I. STA. 900+75.89
N = 89734.813
E = 364233.891
Δ = 30°12'32.0" RT.
T = 386.53'
L = 755.06'
R = 1432.08'
S = 5.7%
TL = 198'



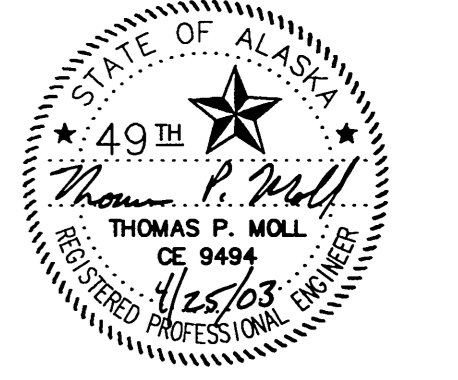
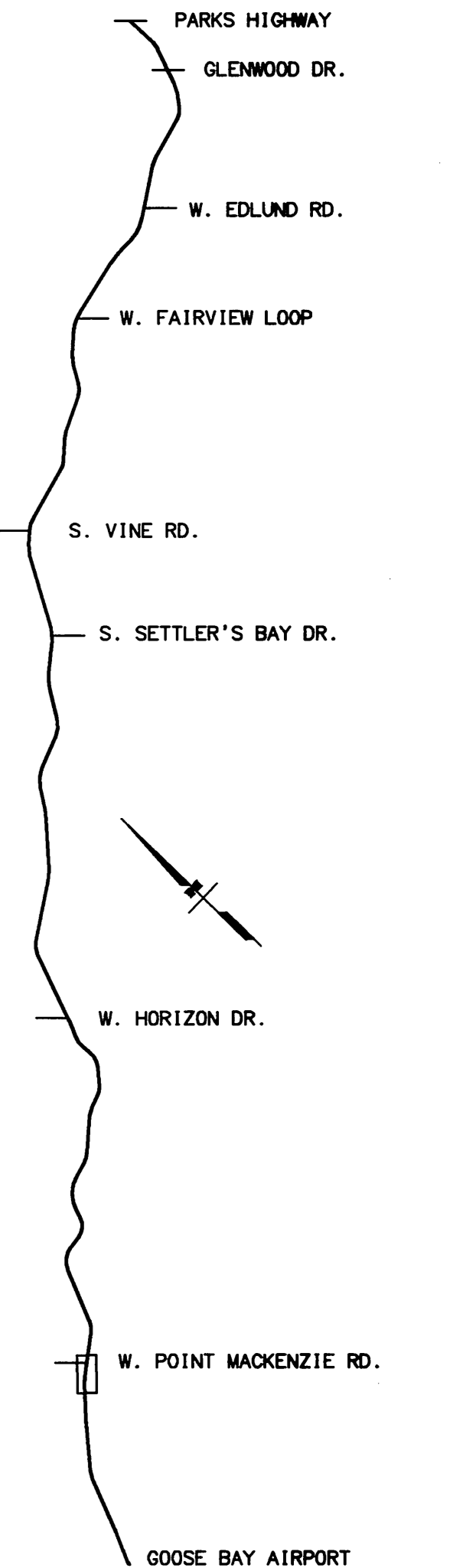
SPECIFICATIONS XREFS: BASE_KGB.DWG, PROF_KGB.DWG, MAP_SIDE.DWG, SCALE 1"=80' AUTOCAD-PATTI/ANASSA-5822R3/PANDP_KGB.DWG COMPUTER DESIGNATION VIEW: F59
 DESIGNED BY P.L./NS CHECKED BY VIEW: F59 DRAFTED BY

04/14/2003

SHEET NO.	TOTAL SHEETS
F60	F65
STATE	YEAR
ALASKA	2003
PROJECT DESIGNATION	
CA-0525(11)/53922	
ADDENDUM NO.	

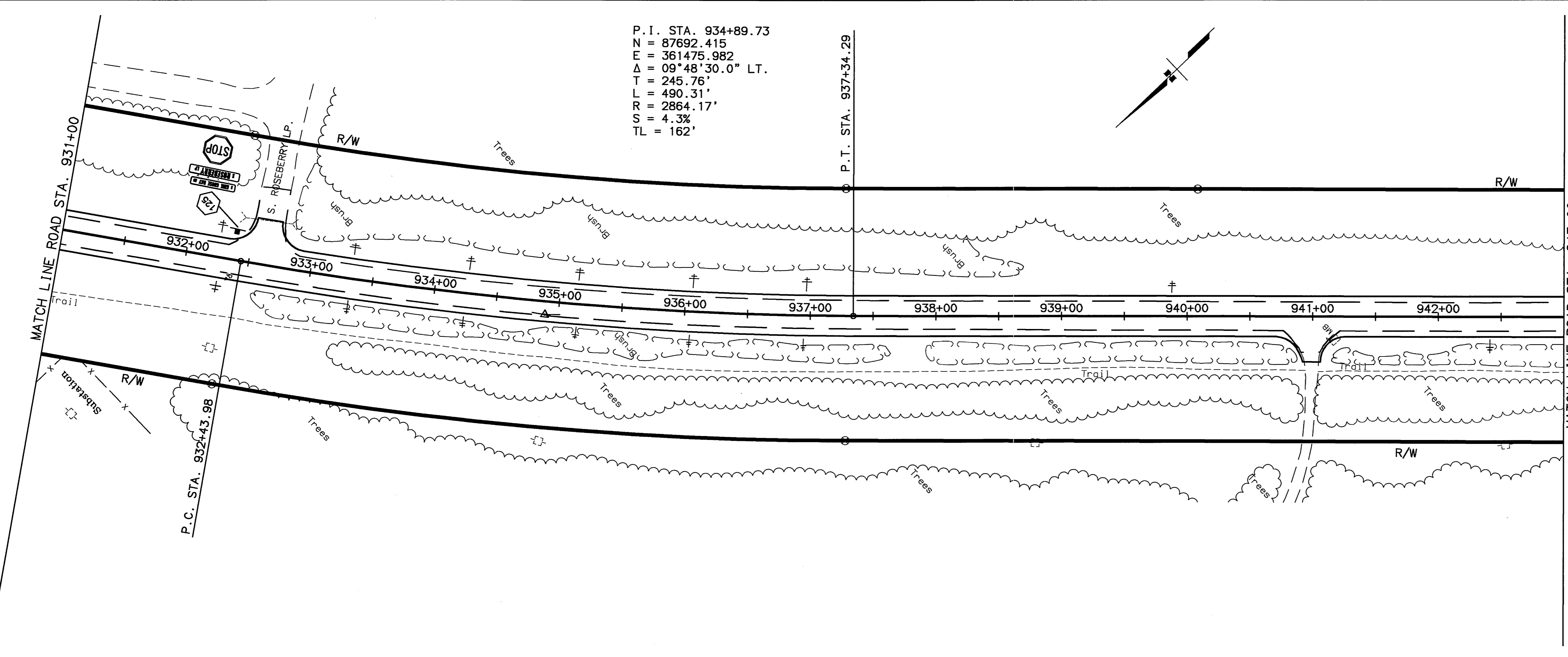
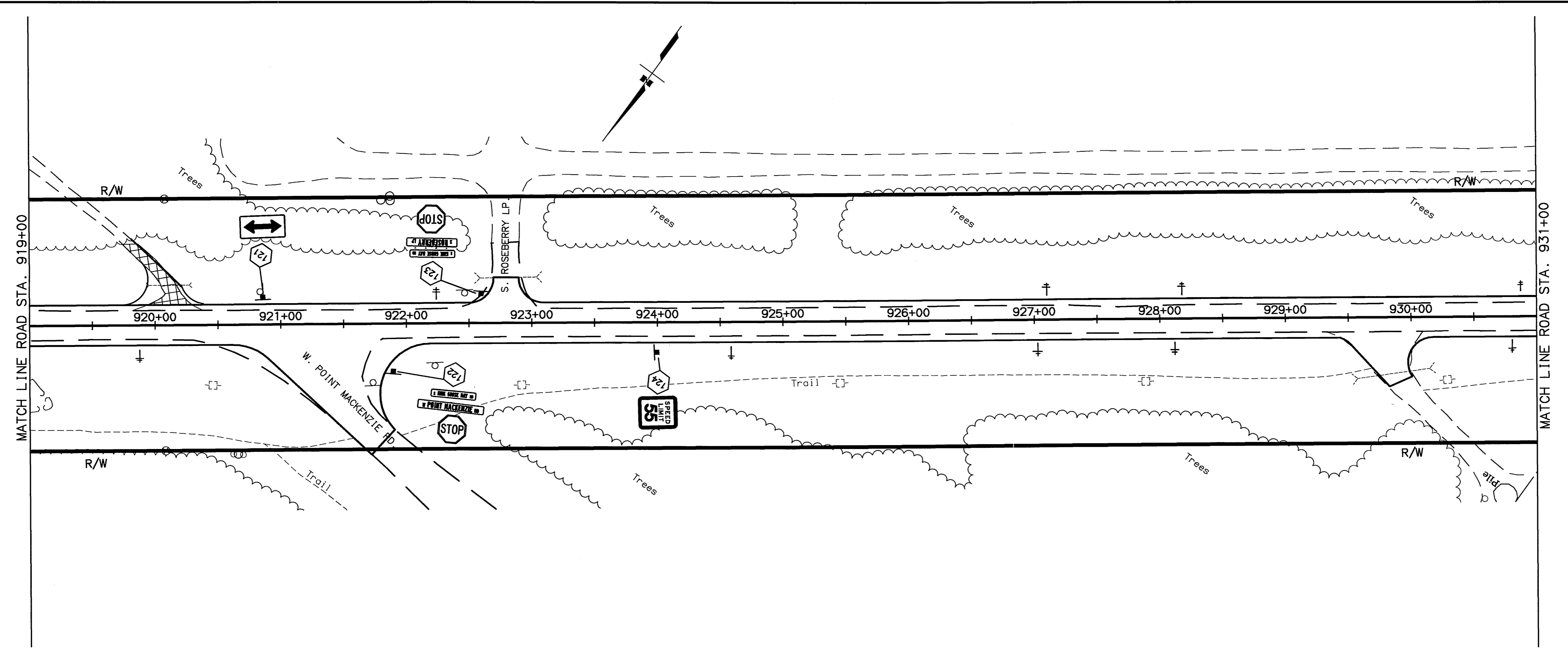
ATTACHMENT NO.

REVISIONS		
NO.	DATE	DESCRIPTION



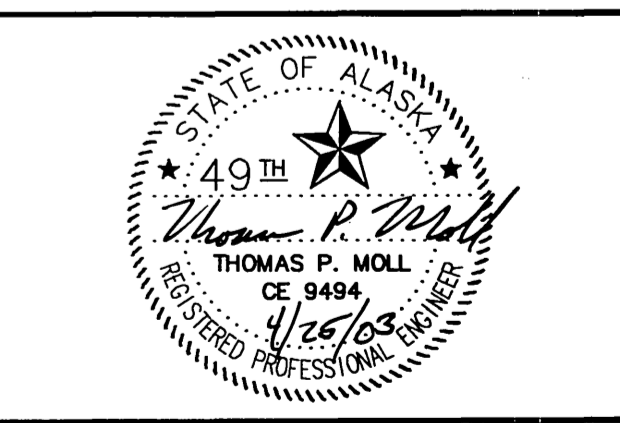
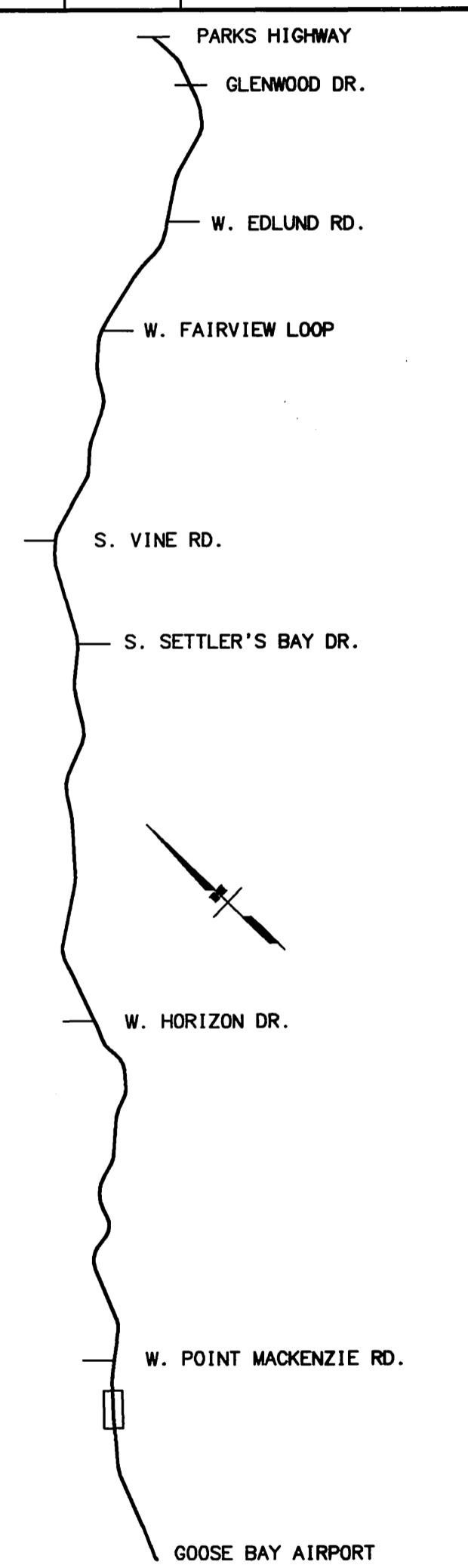
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
**KNIK-GOOSE BAY ROAD
REHABILITATION
AND PATHWAY**

PLAN



SPECIFICATIONS: XREFS: BASE, KGB, DNG, PROF, GCS, DNG, MAP, SIDE, DNG
 SOURCE: PATTI / ADDRESS: 432223A / PANS / KGB, DNG
 COMPUTER DESIGNATION: AUTOCAD-PATTI / ADDRESS: 432223A / PANS / KGB, DNG
 DESIGNED BY: RL/YS
 CHECKED BY: RL/YS
 DATE: 04/24/2003
 VIEW: F60

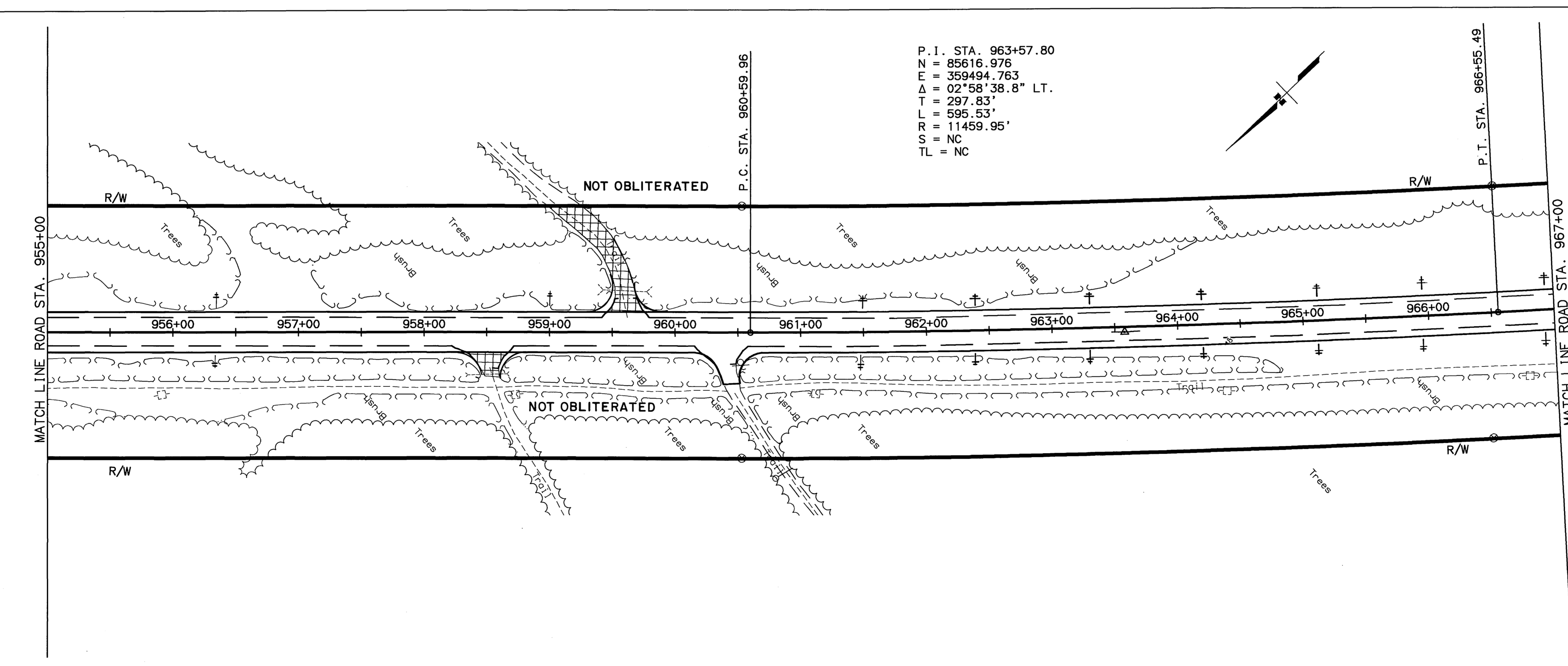
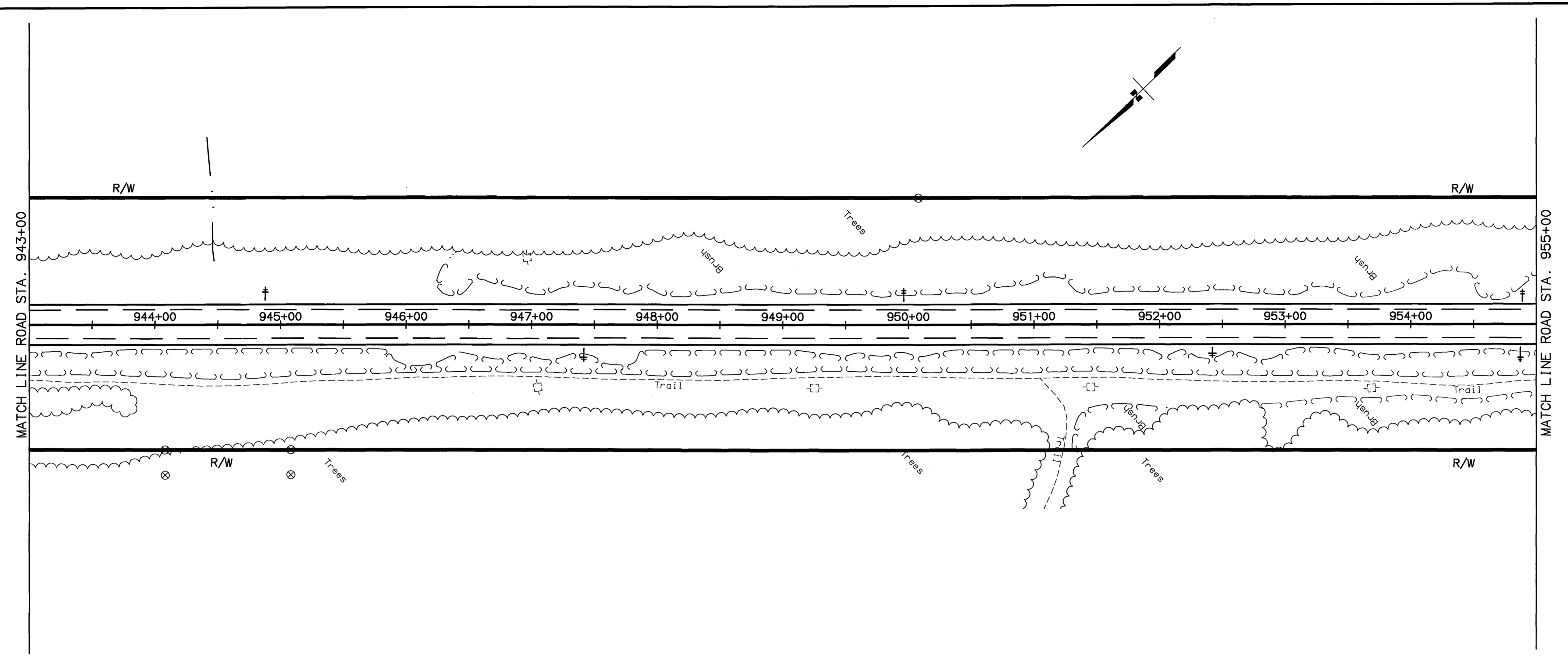
SHEET NO.	TOTAL SHEETS	
F61	F65	
STATE	YEAR	
ALASKA	2003	
PROJECT DESIGNATION		
CA-0525(11)/53922		
ADDENDUM NO.		
ATTACHMENT NO.		
REVISIONS		
NO.	DATE	DESCRIPTION



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

**KNIK-GOOSE BAY ROAD
REHABILITATION
AND PATHWAY**

PLAN



SPECIFICATIONS
SCALE 1"=50'
COMPUTER DESIGNATION

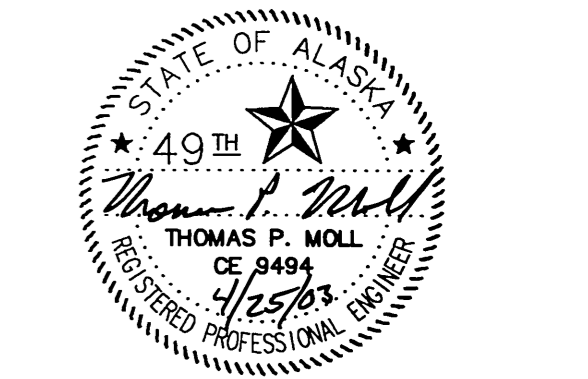
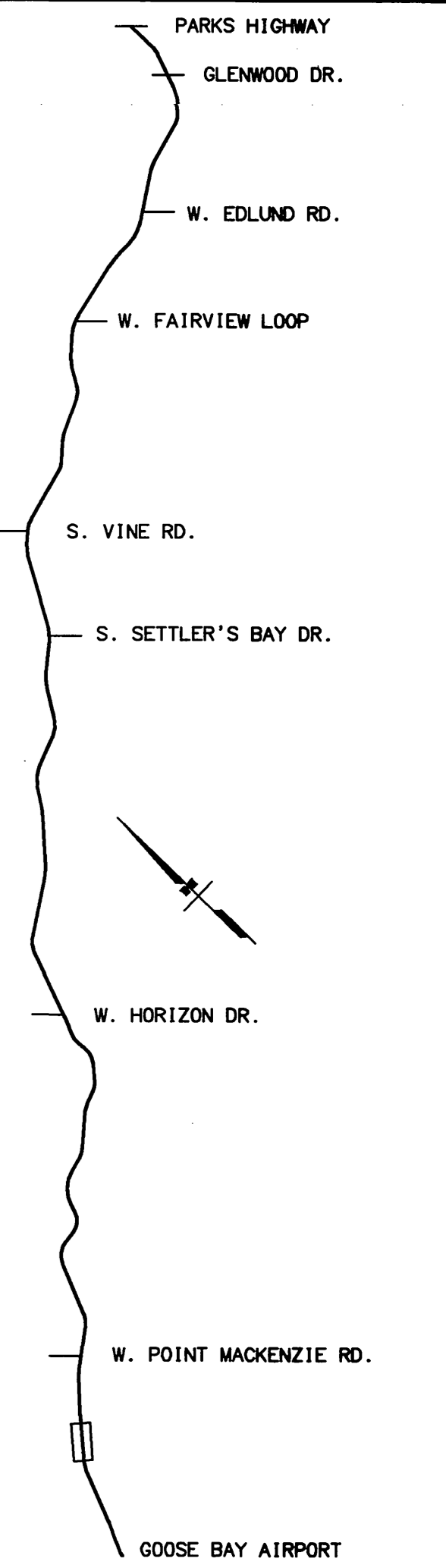
XREFS: BASE_KGB.DWG, PROF_KGB.DWG, MAP_SIDE.DWG
AUTOCAD-PATH/WANESSA-538233/PANDP_KGB.DWG

DESIGNED BY
CHECKED BY
DRAWN BY

PL/VS
VEN: F61

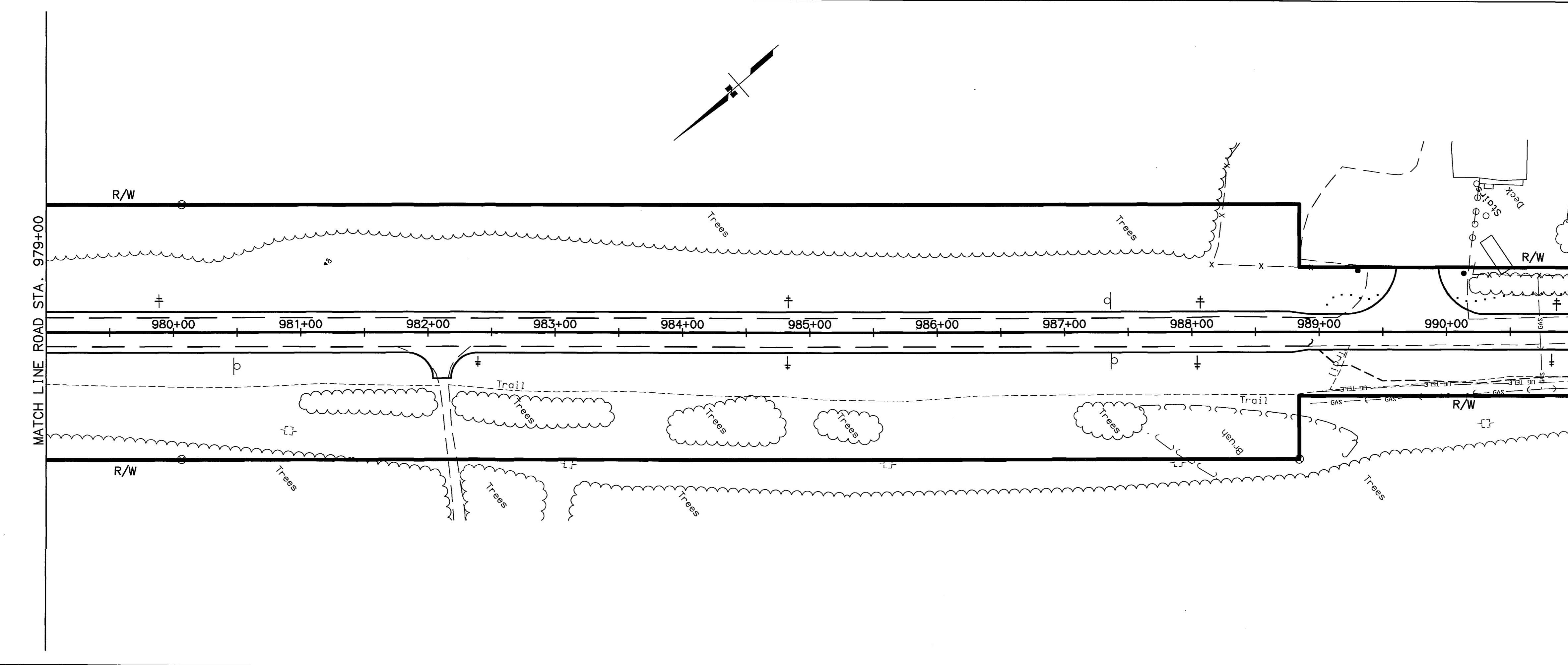
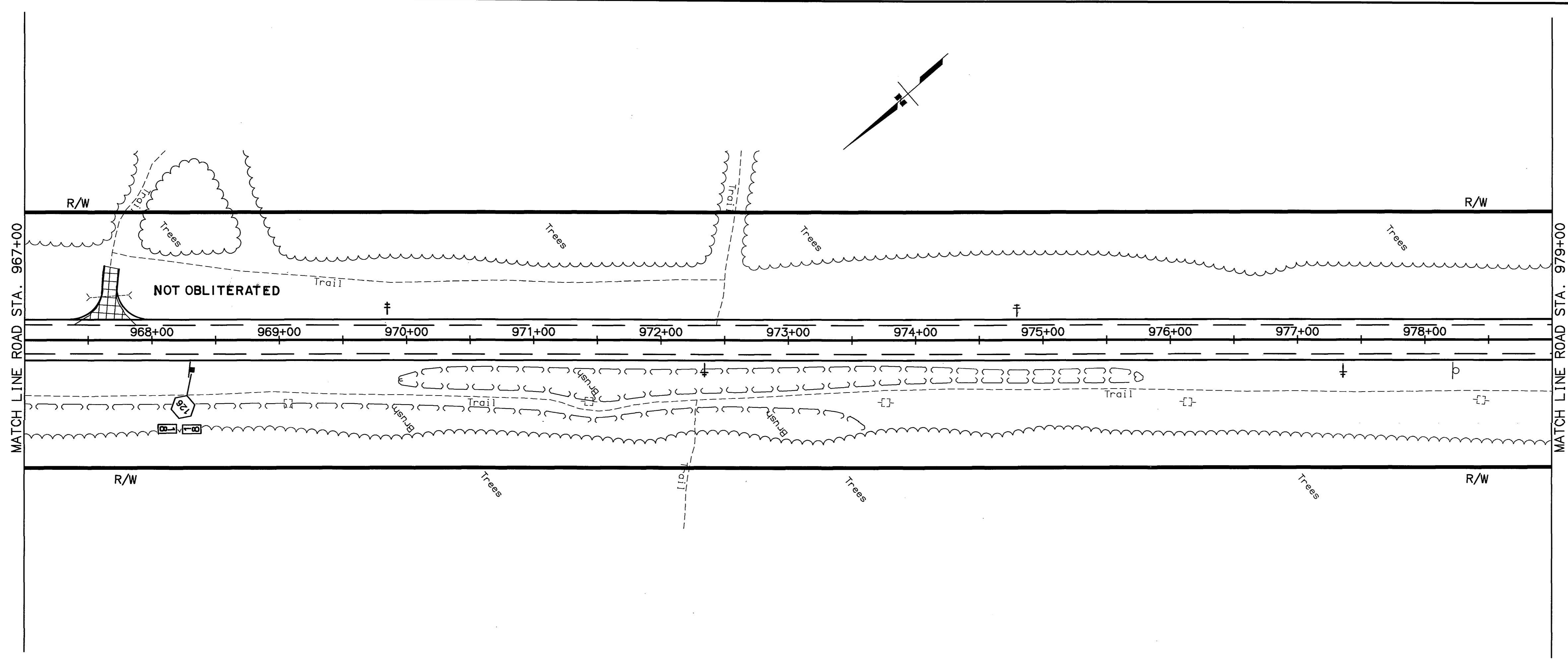
04/24/2003

SHEET NO.	TOTAL SHEETS	
F62	F65	
STATE	YEAR	
ALASKA	2003	
PROJECT DESIGNATION		
CA-0525(11)/53922		
ADDENDUM NO.		
ATTACHMENT NO.		
REVISIONS		
NO.	DATE	DESCRIPTION



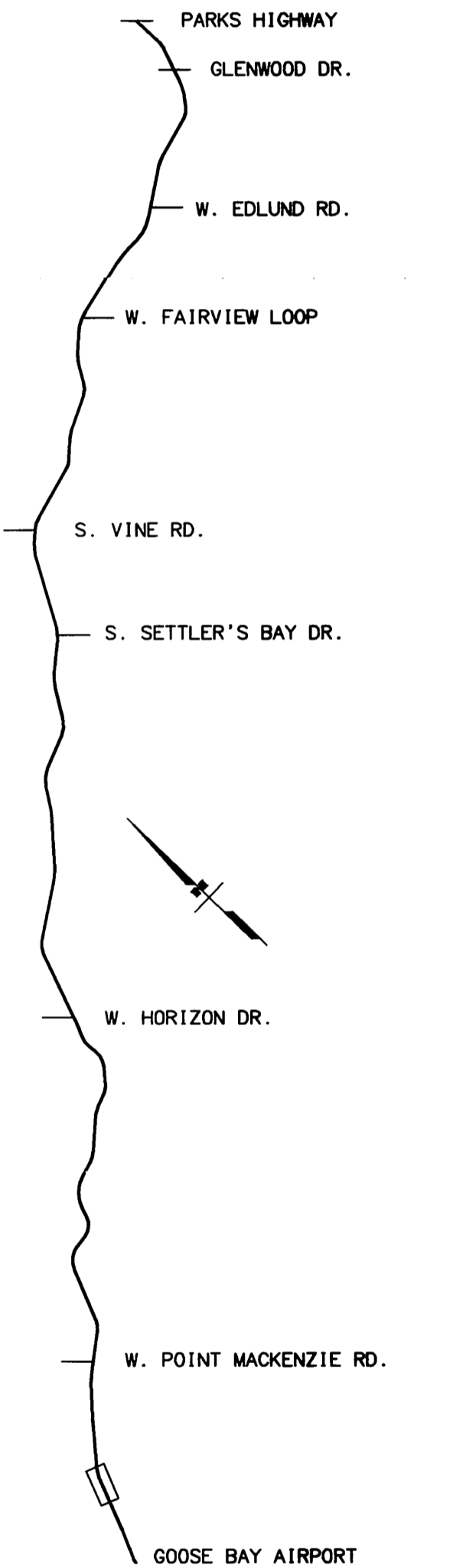
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
**KNIK-GOOSE BAY ROAD
REHABILITATION
AND PATHWAY**

PLAN



SPECIFICATIONS: XREFS: BASE KGB.DWG, PROF. KGB.DWG, MAP, SIDE.DWG, SCALE: 1/8"=1'-0", COMPUTER DESIGNATION: AUTOCAD-PLOT//ANESSA-53922(11)ANOP_KGB.DWG, VIEW#: F62, DESIGNED BY: PLS, CHECKED BY: PLS, DATE: 04/24/2003

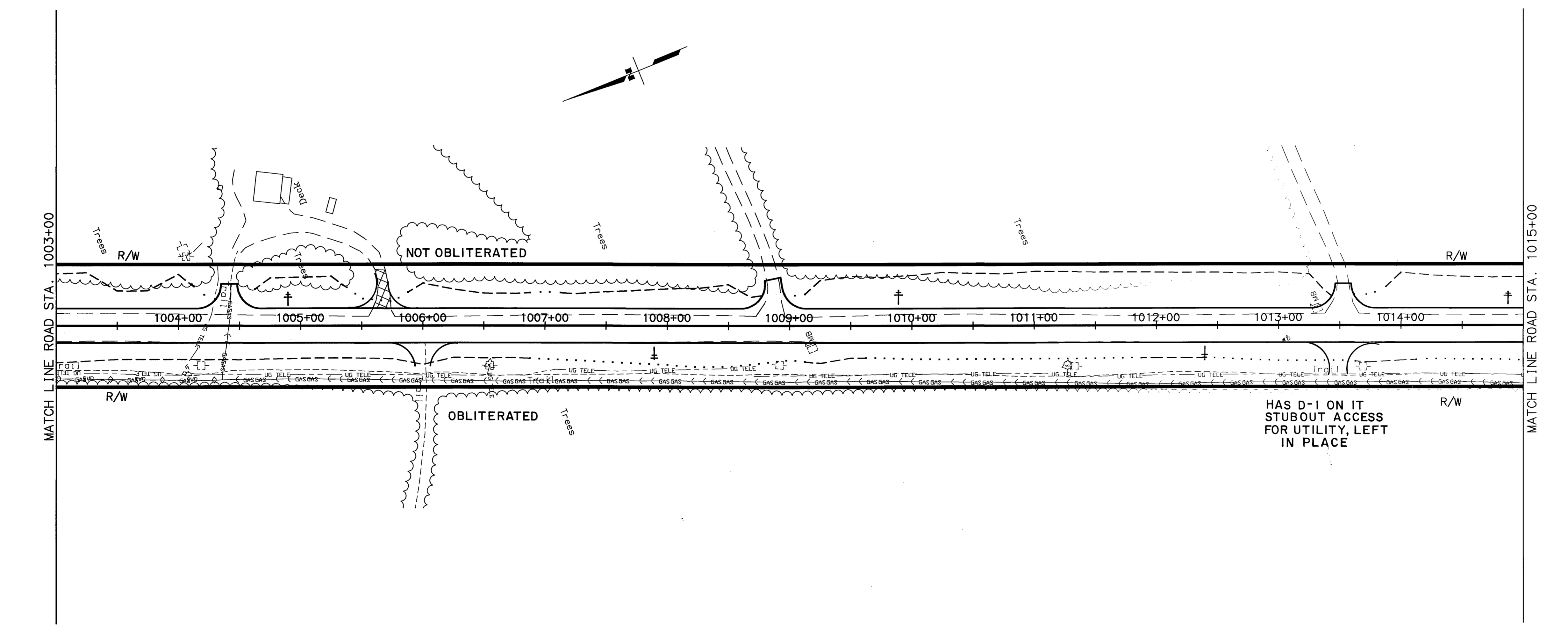
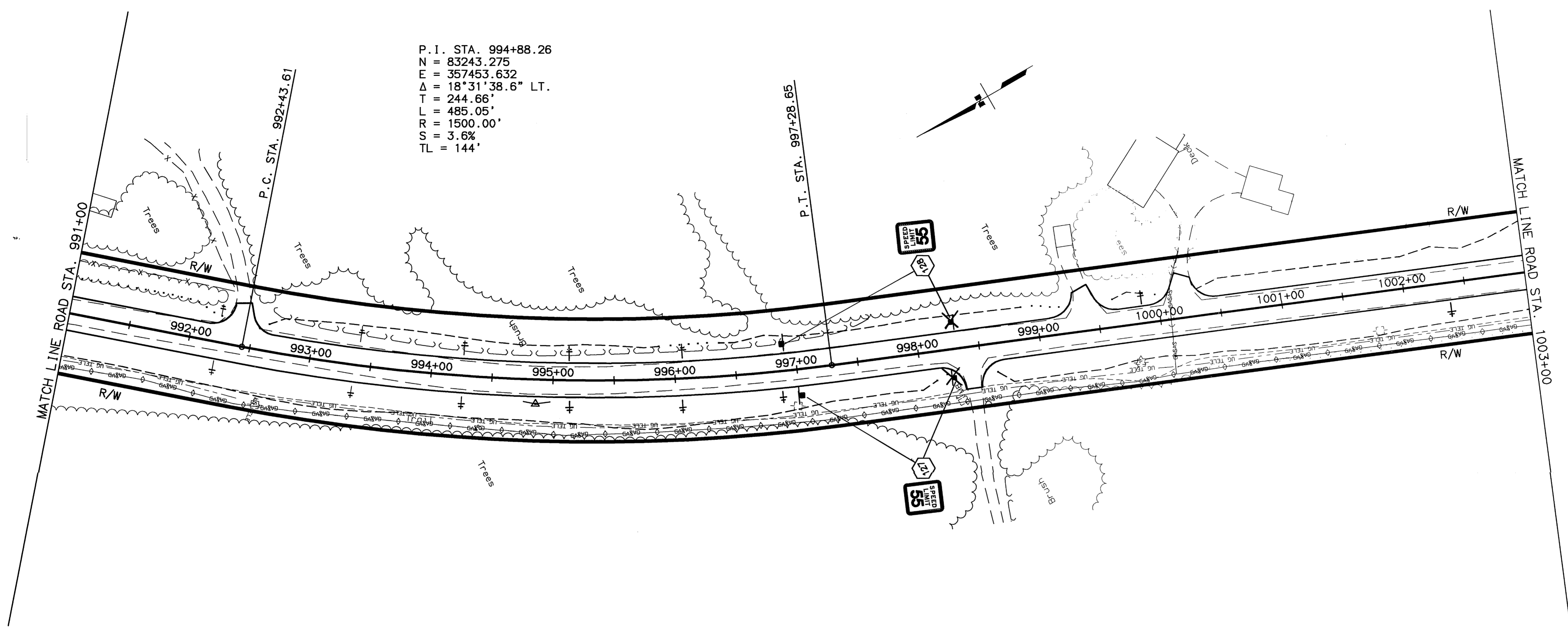
SHEET NO.	TOTAL SHEETS	
F63	F65	
STATE	YEAR	
ALASKA	2003	
PROJECT DESIGNATION		
CA-0525(11)/53922		
ADDENDUM NO.		
ATTACHMENT NO.		
REVISIONS		
NO.	DATE	DESCRIPTION



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
**KNIK-GOOSE BAY ROAD
REHABILITATION
AND PATHWAY**

PLAN

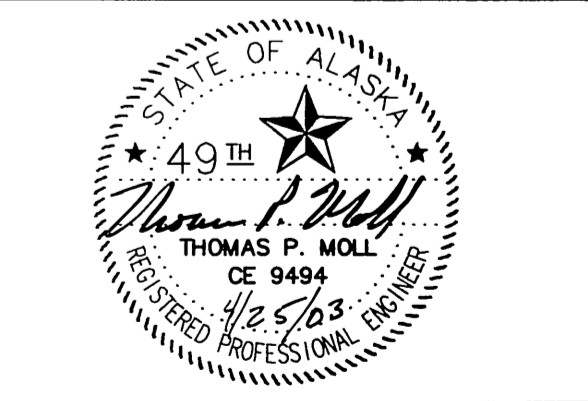
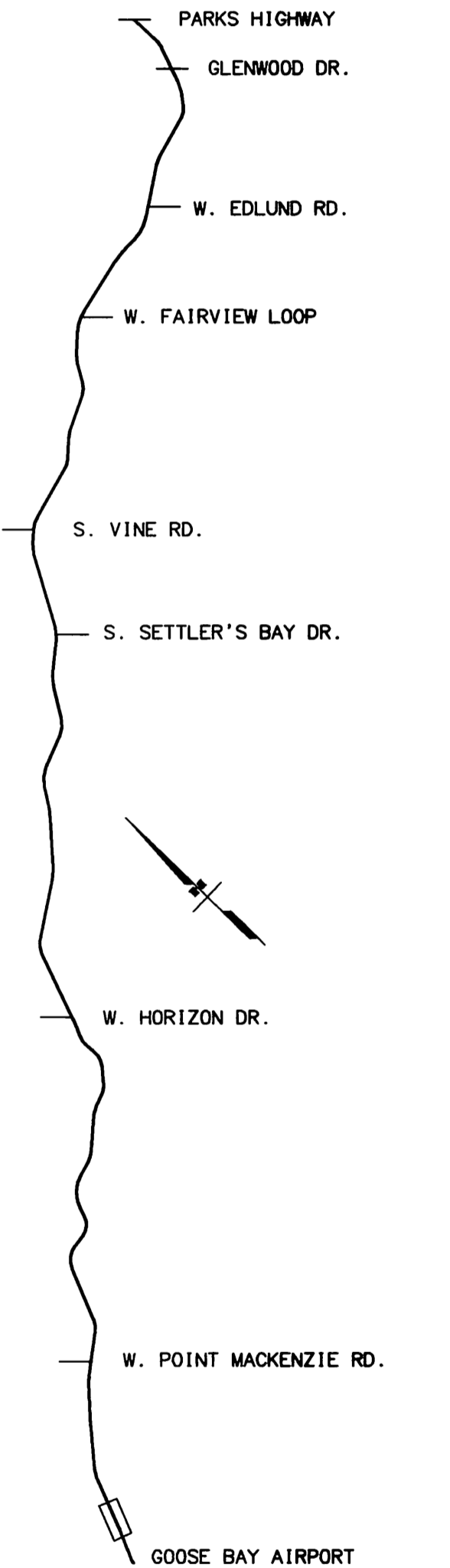
P.I. STA. 994+88.26
N = 83243.275
E = 357453.632
Δ = 18°31'38.6" LT.
T = 244.66'
L = 485.05'
R = 1500.00'
S = 3.6%
TL = 144'



SPECIFICATIONS: XREFS: BASE_KOB.DWG, PROF_KOB.DWG, MAP_SIDE.DWG, AUTOCAD-PATH/VANESSA-53922RXPANDP_KOB.DWG
 SCALE: 1"=50' COMPUTER DESIGNATION: VIEW: F63
 DESIGNED BY: PL/VS
 CHECKED BY:
 DRAFTED BY:

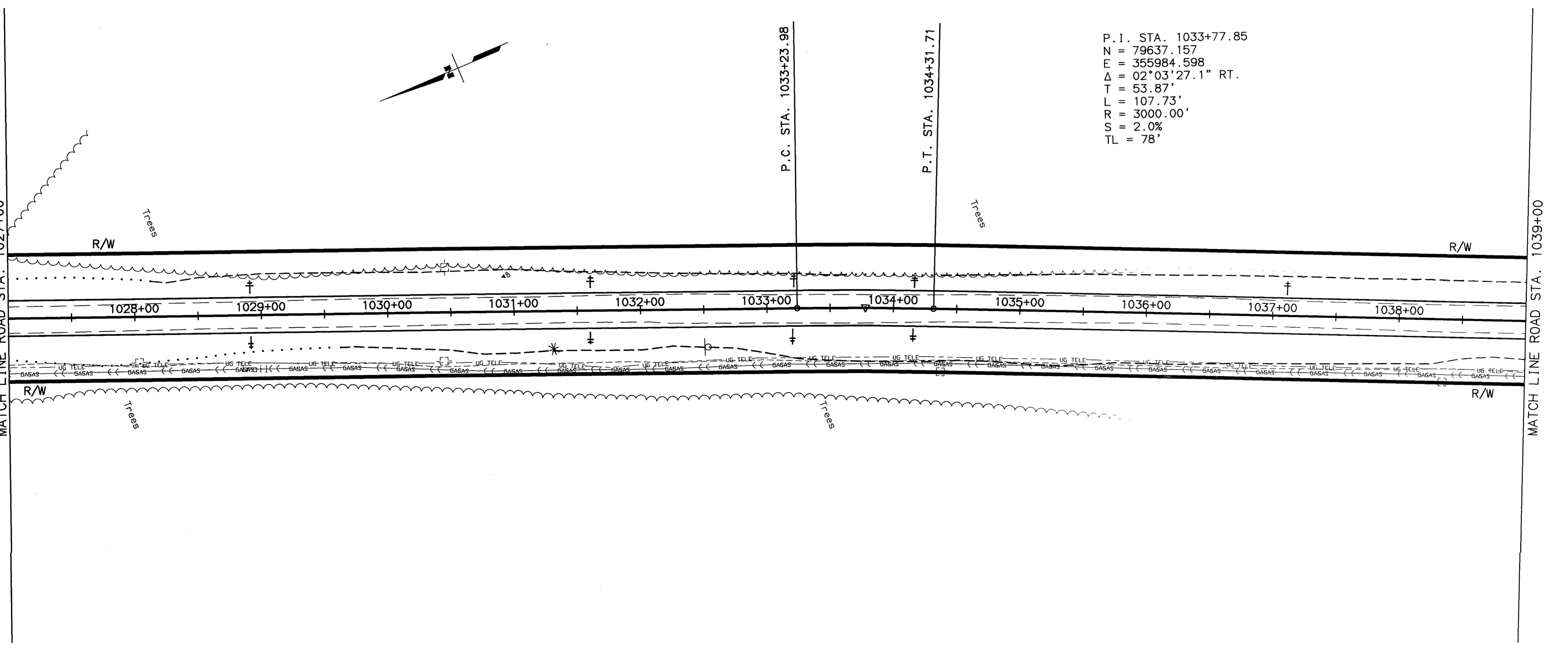
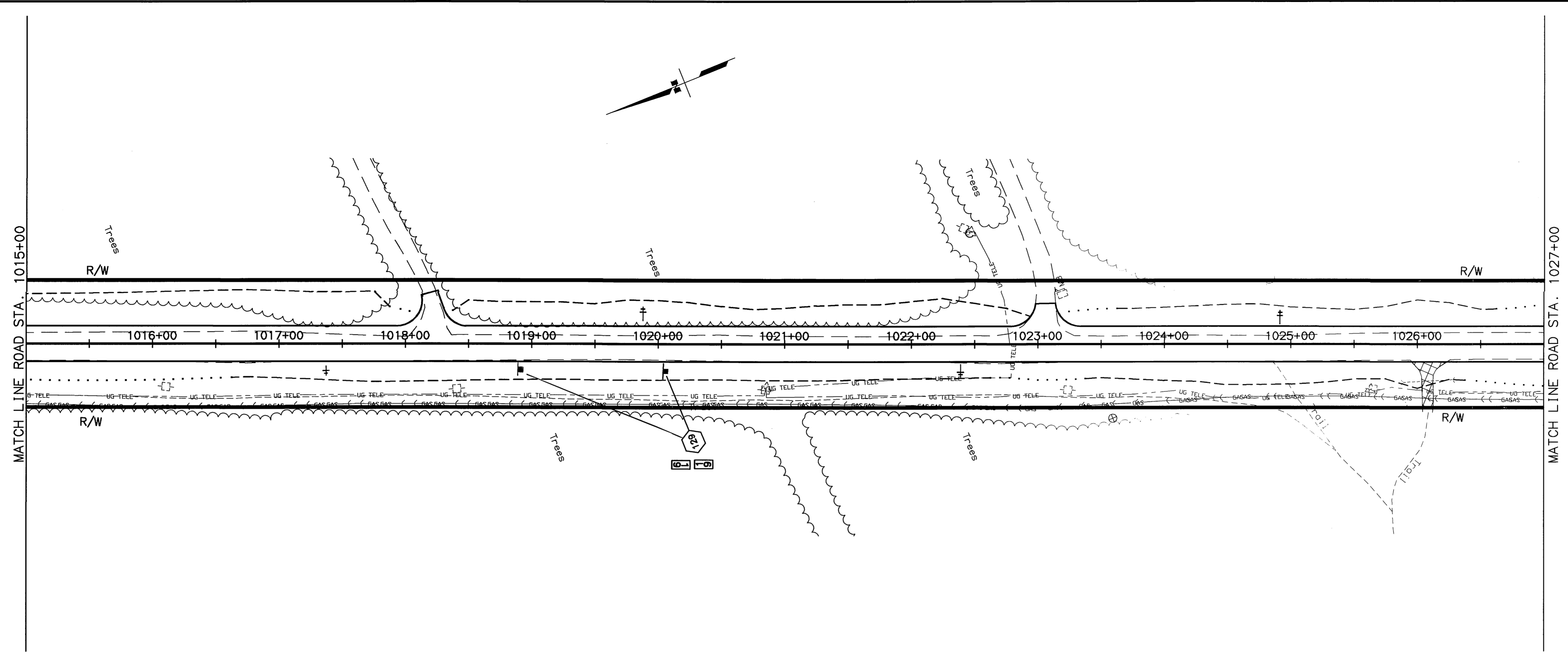
04/24/2003

NO.	DATE	DESCRIPTION



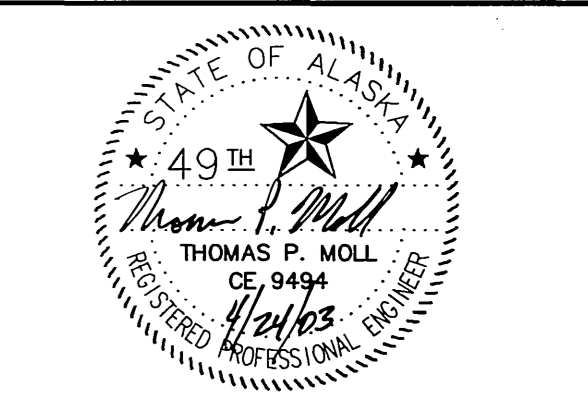
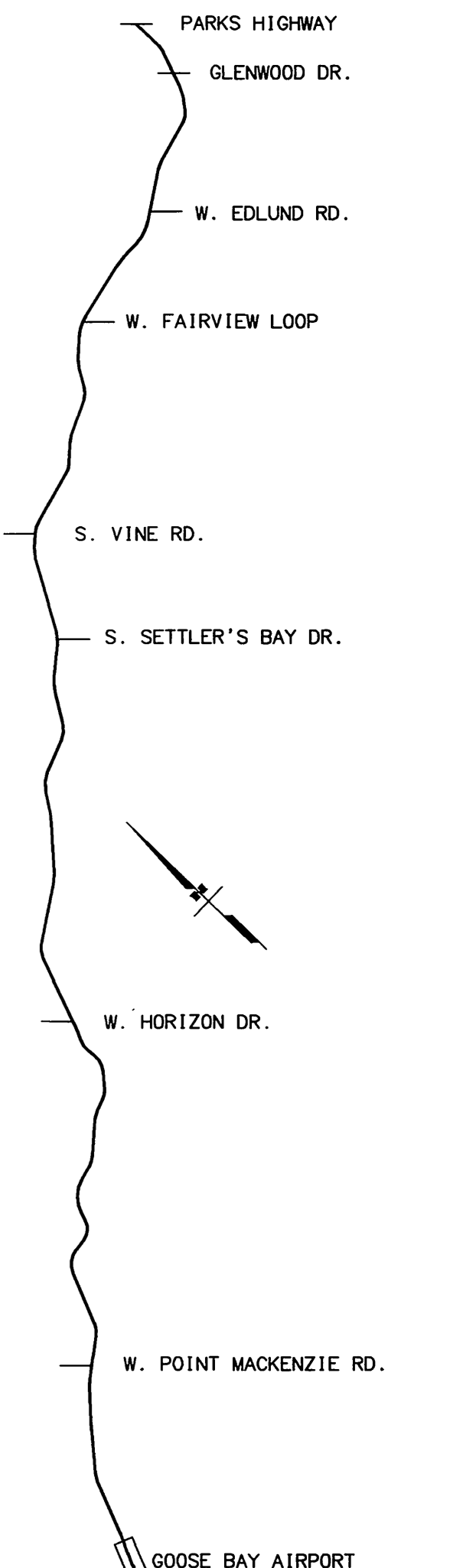
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
KNIK-GOOSE BAY ROAD
REHABILITATION
AND PATHWAY

PLAN



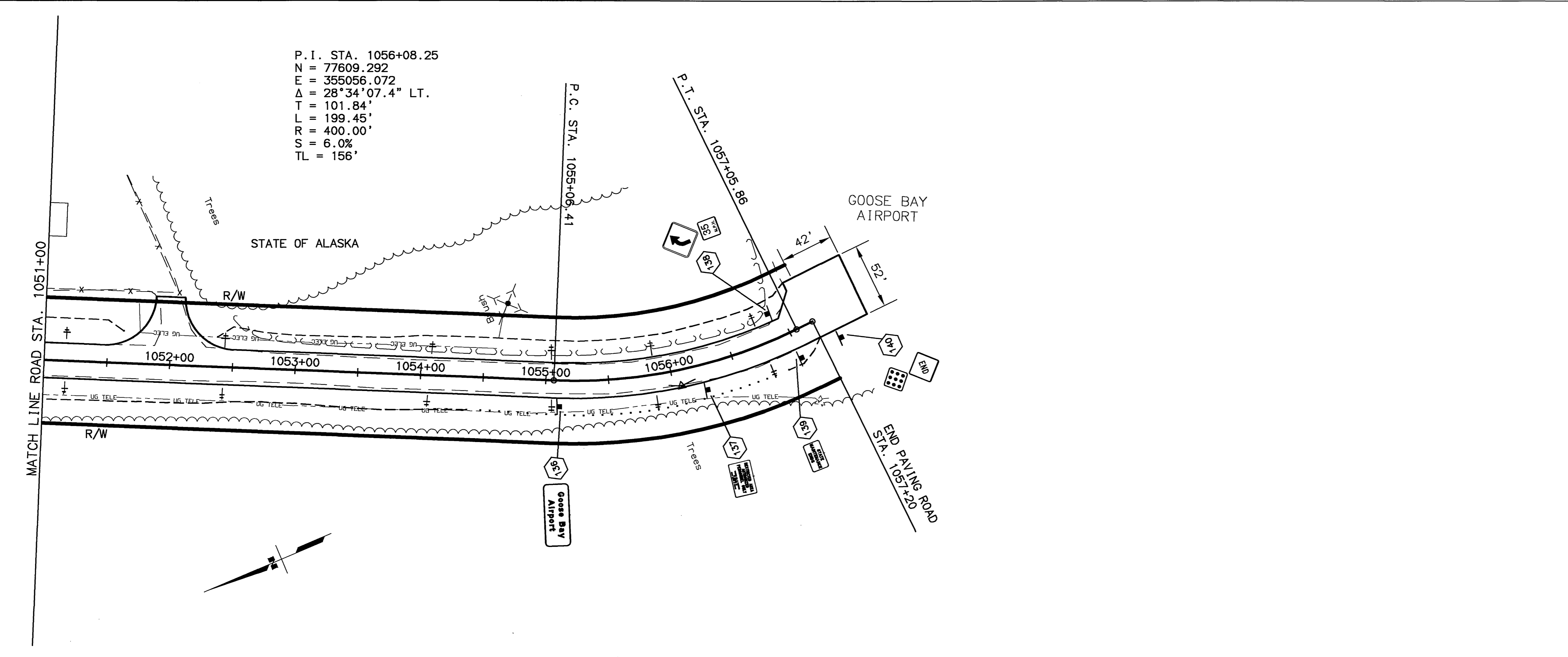
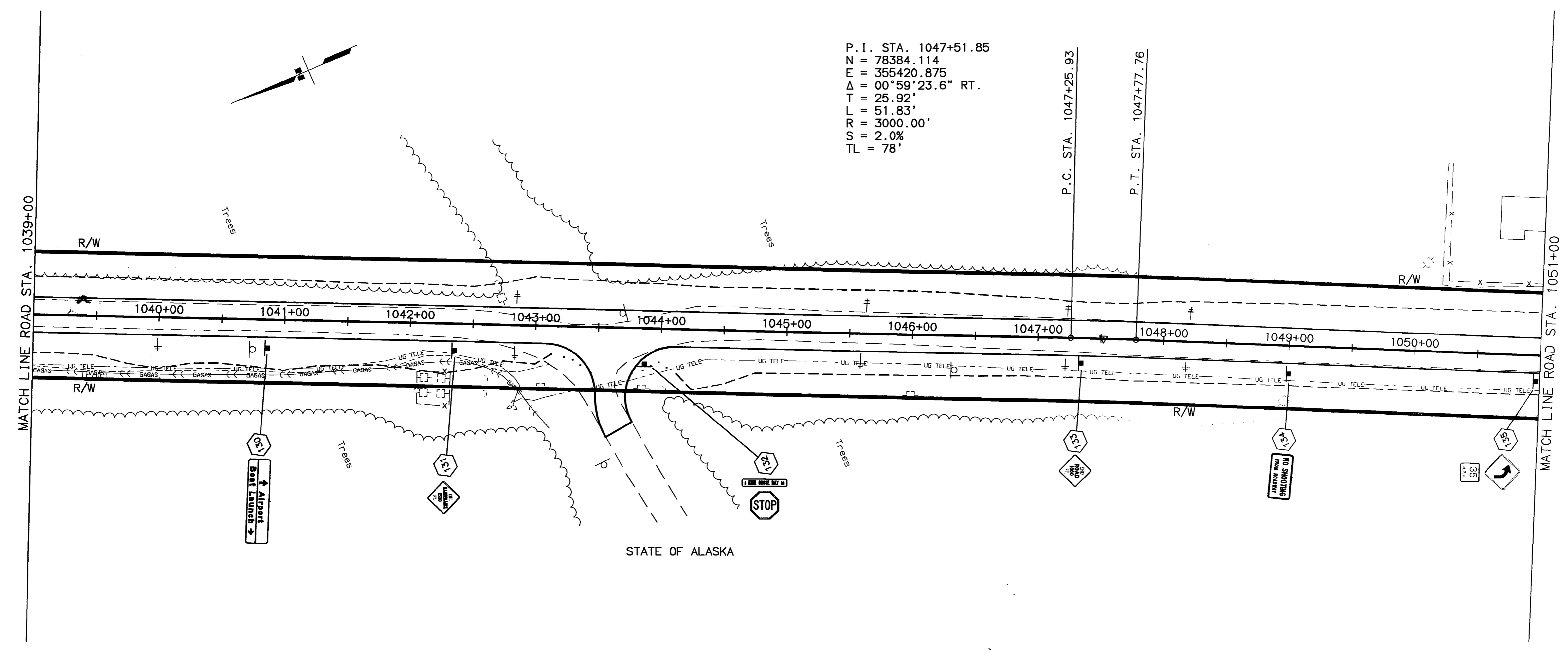
SPECIFICATIONS: XREFS: BASE_KGB.DWG, PROF_KGB.DWG, MAP_SIDE.DWG, AUTOCAD-PAT117\ANESSA-SB222R\PROF_KGB.DWG
 SCALE: 1"=50' COMPUTER DESIGNATION: VIEW: F64
 DESIGNED BY: PL/YS DRAFTED BY: PL/YS
 CHECKED BY: DATE: 04/24/2003

SHEET NO.	TOTAL SHEETS	
F65	F65	
STATE	YEAR	
ALASKA	2003	
PROJECT DESIGNATION		
CA-0525(11)/53922		
ADDENDUM NO.		
ATTACHMENT NO.		
REVISIONS		
NO.	DATE	DESCRIPTION



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
**KNIK-GOOSE BAY ROAD
REHABILITATION
AND PATHWAY**

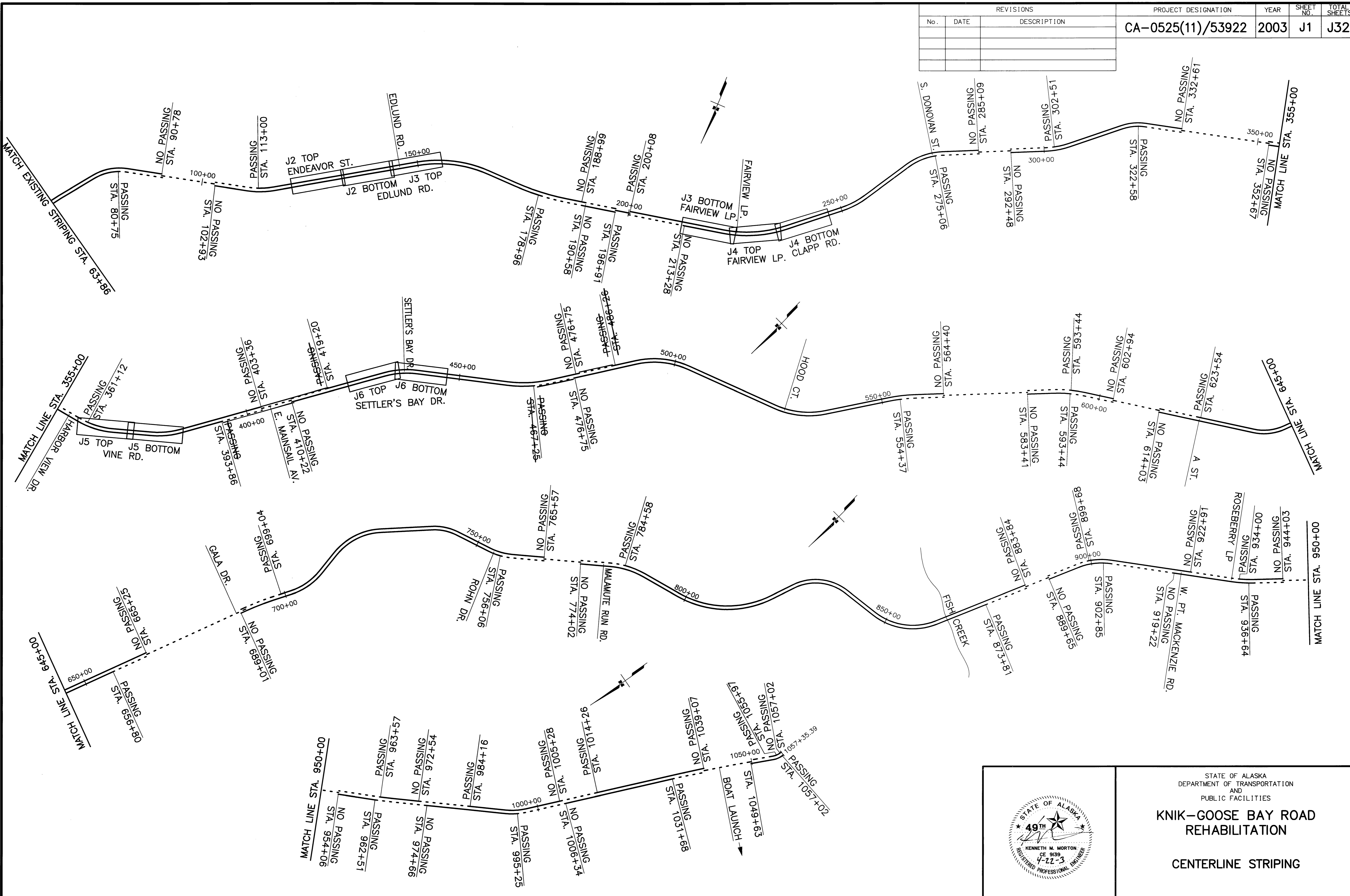
PLAN



SPECIFICATIONS
SCALE 1"=50'
COMPUTER DESIGNATION
XREFS: BASE_KGB.DWG, PROF_KGB.DWG, MAP_SIDE.DWG
AUTOCAD:PART1/ANESSA-58222R/PANDP_KGB.DWG
DESIGNED BY
CHECKED BY
DRAWN BY
DATE 04/14/2003
VIEW: F65

REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	CA-0525(11)/53922	2003	J1	J32

SPECIFICATIONS: ARK-KUM-TRAFFIC; SCALE: 1" = 11'; PLOT SCALE: 1" = 11'; DESIGNED BY: [redacted]; CHECKED BY: [redacted]; DRAWN BY: [redacted];
 COMPUTER DESIGNATION: K:\SP\Public\53922\KGB_Road\KGB\53922.KGB; ROAD: KGB\53922; DATE: 09/07/2002; TIME: 09:55:35 AM; A3;



KENNETH M. MORTON
 CE 9139
 4-22-3
 REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND
 PUBLIC FACILITIES

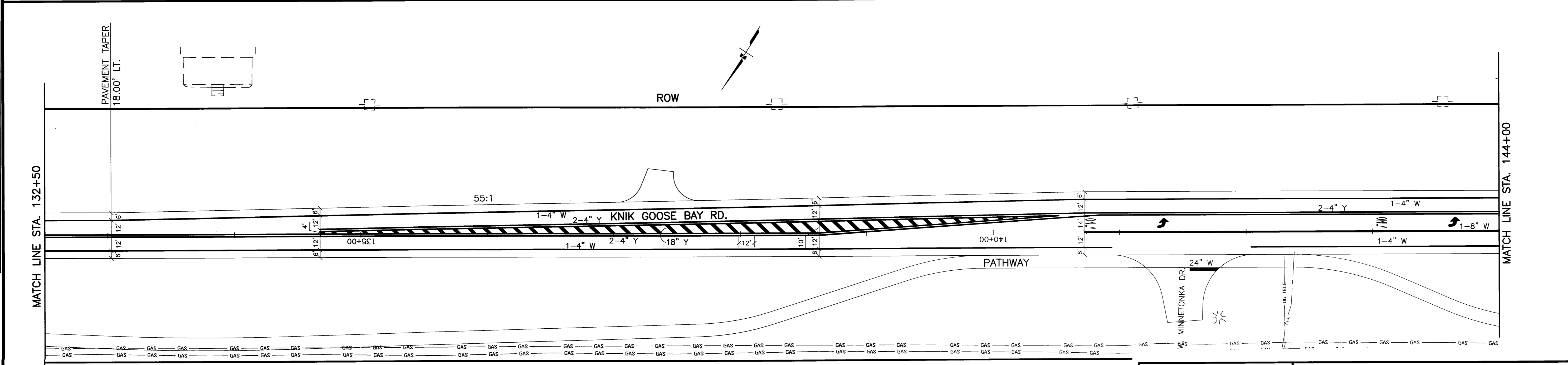
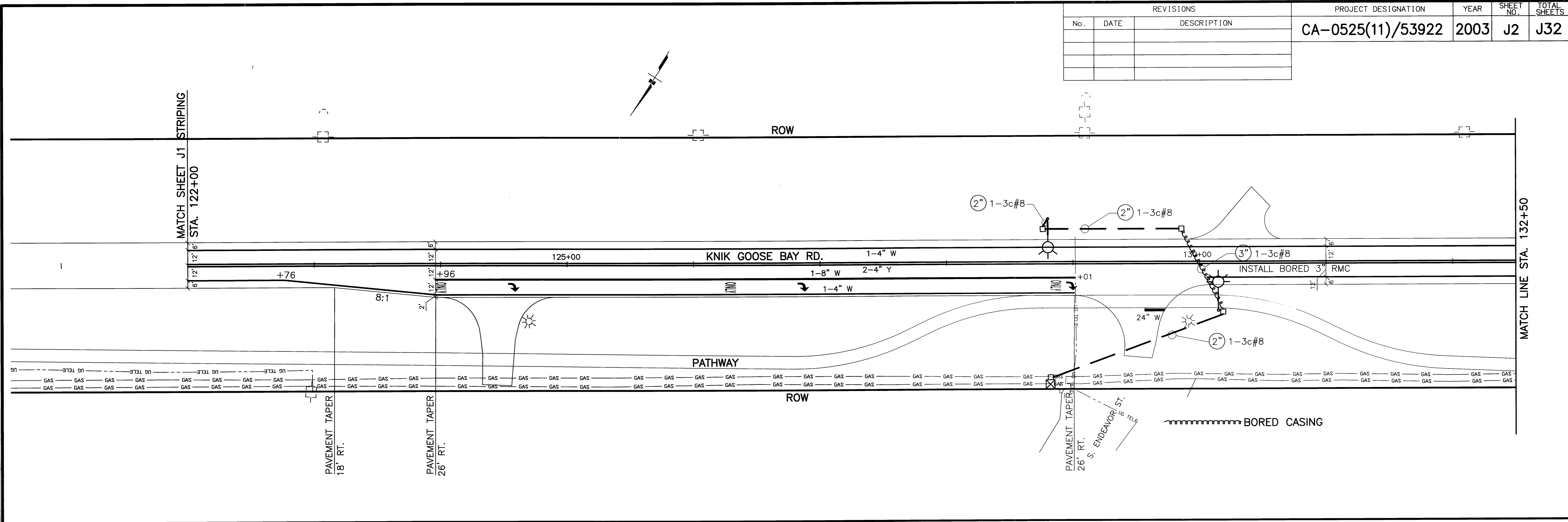
KNIK-GOOSE BAY ROAD REHABILITATION

CENTERLINE STRIPING

REVISIONS		
No.	DATE	DESCRIPTION

PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
CA-0525(11)/53922	2003	J2	J32

SPECIFICATIONS: AKS-K11M-TAFFIC
 SCALE: 1"=1'
 COMPUTER DESIGNATION: K:\Vpco\lcc\35\lva\53922_KGB_Road\Gas\turn\porkrkt.dwg
 PLOT SCALE: 1"=1'
 DESIGNED BY: [Redacted]
 CHECKED BY: [Redacted]
 DRAWN BY: [Redacted]

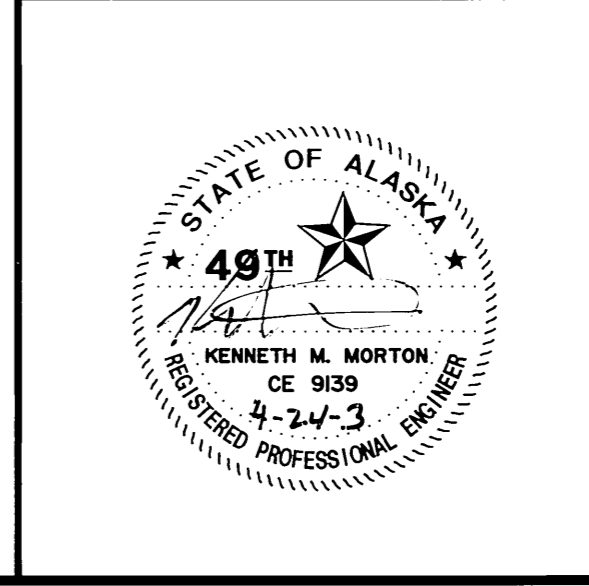
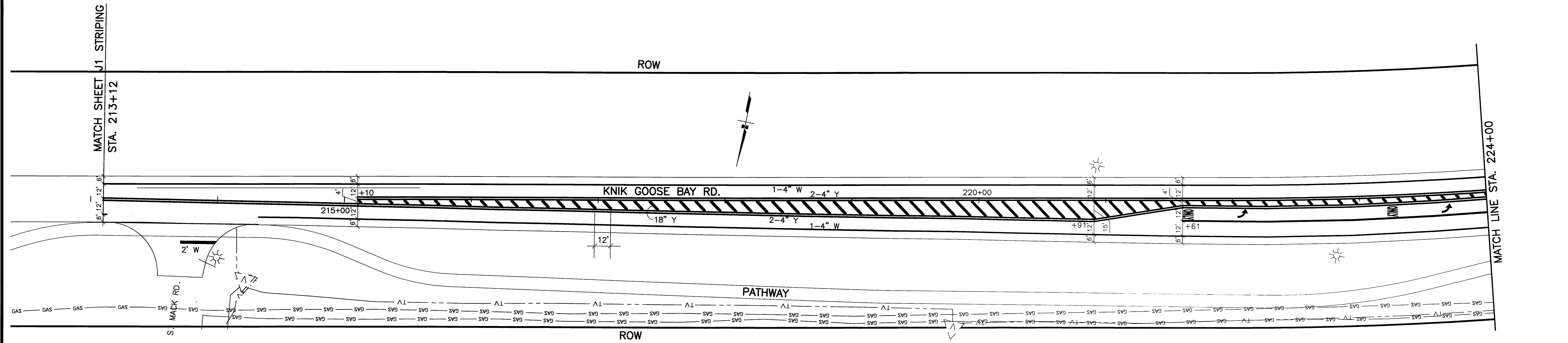
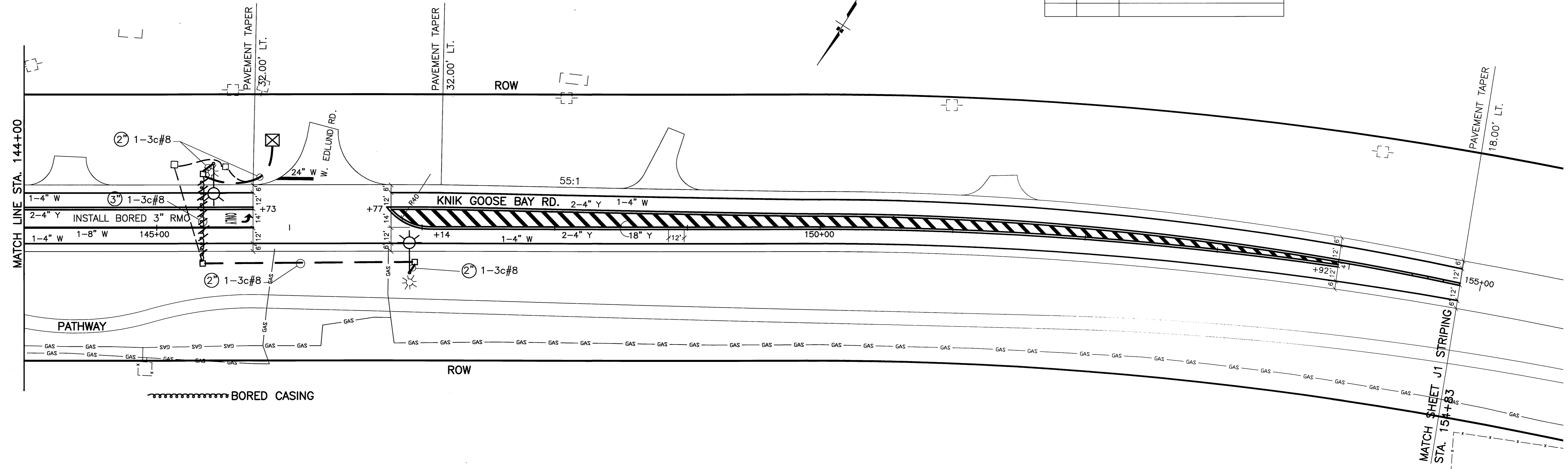


STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND
 PUBLIC FACILITIES
**KNIK-GOOSE BAY ROAD
 REHABILITATION**
 ENDEAVOR ST. AND EDLUND RD.
 INTERSECTIONS LIGHTING
 AND STRIPING

REVISIONS		
No.	DATE	DESCRIPTION

PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
CA-0525(11)/53922	2003	J3	J32

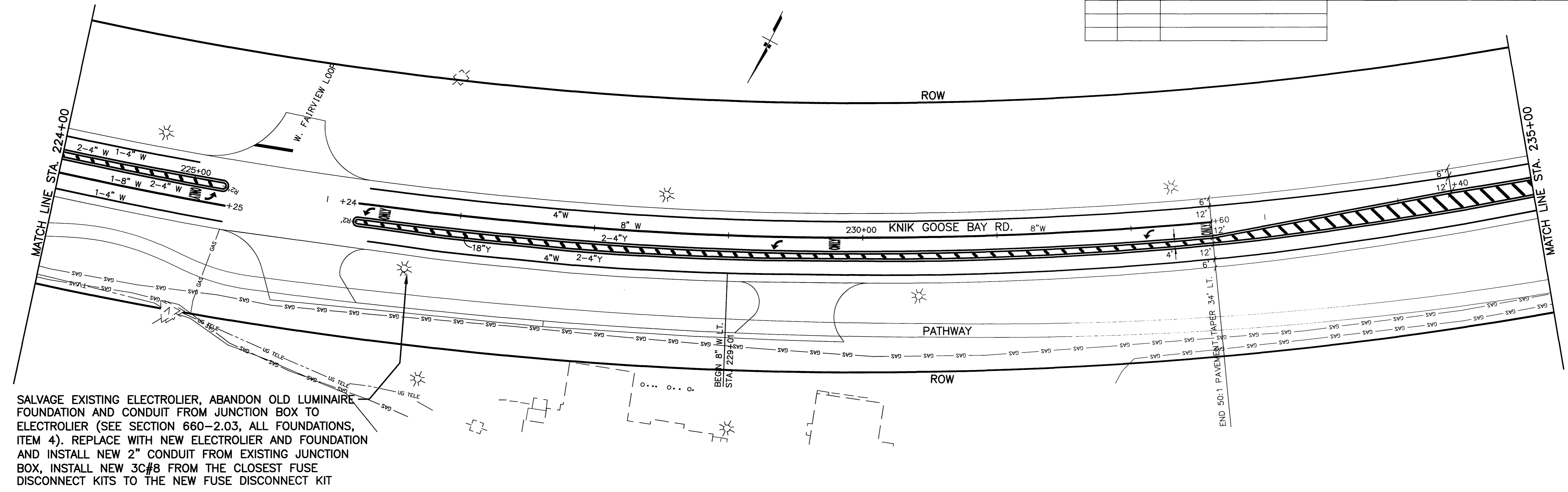
SPECIFICATIONS: AK-KIM-TRAFFIC
 SCALE: 1" = 40'
 COMPUTER DESIGNATION: K:\p\p\c\ca\0525\53922\KGB_Road\Ca\A\turn_packets\dwg_03/24/2003_02:40:52_PM_AST
 PLOT SCALE: 1:1
 DESIGNED BY: KRW
 CHECKED BY: KRW
 DRAWN BY: KRW



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND
 PUBLIC FACILITIES
**KNIK-GOOSE BAY ROAD
 REHABILITATION**
 EDLUND RD. AND FAIRVIEW LP.
 INTERSECTIONS LIGHTING
 AND STRIPING

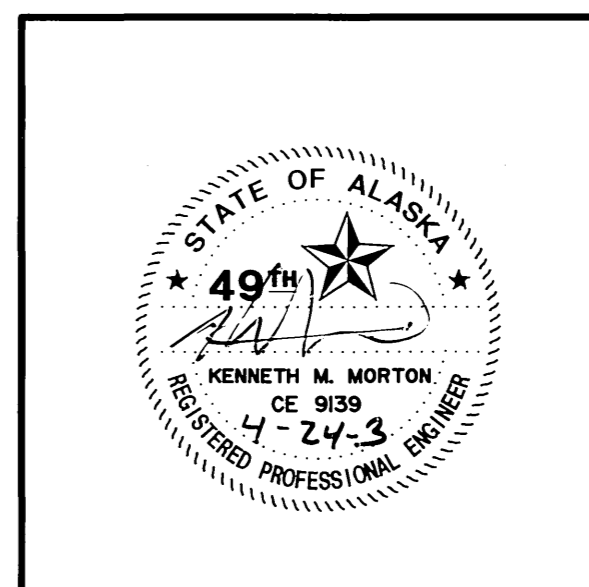
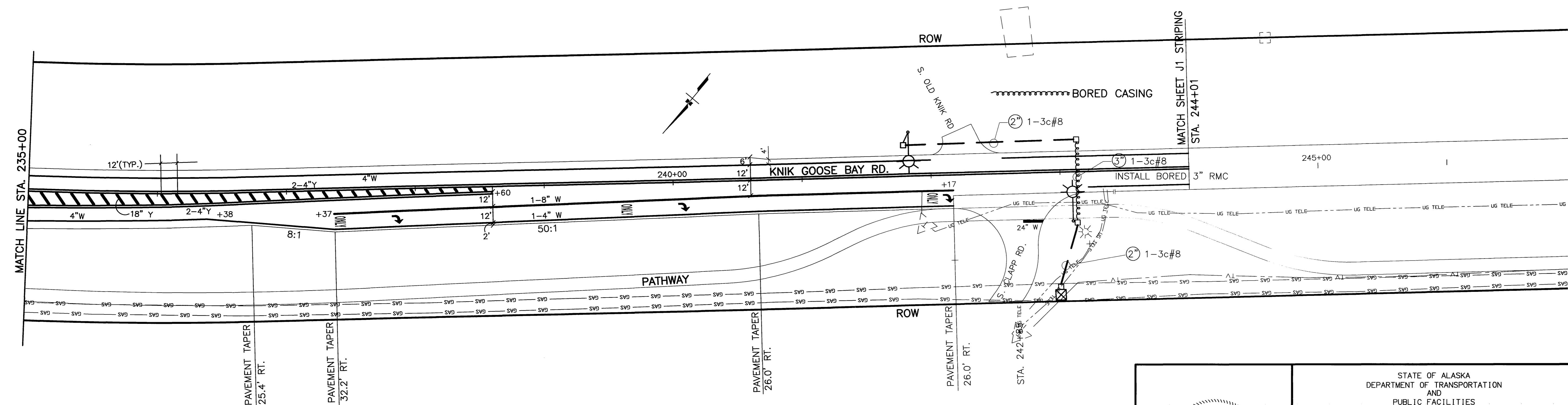
REVISIONS		
No.	DATE	DESCRIPTION

PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
CA-0525(11)/53922	2003	J4	J32



SALVAGE EXISTING ELECTROLIER, ABANDON OLD LUMINAIRE FOUNDATION AND CONDUIT FROM JUNCTION BOX TO ELECTROLIER (SEE SECTION 660-2.03, ALL FOUNDATIONS, ITEM 4). REPLACE WITH NEW ELECTROLIER AND FOUNDATION AND INSTALL NEW 2" CONDUIT FROM EXISTING JUNCTION BOX, INSTALL NEW 3C#8 FROM THE CLOSEST FUSE DISCONNECT KITS TO THE NEW FUSE DISCONNECT KIT

SPECIFICATIONS: AZK-KIM-TRAFFIC
 SCALE: 1"=10'
 COMPUTER DESIGNATION: K:\projects\ca\53922\KGB_Road\Gad\turn_packets\dwg_03/04/2003_02:40:56 PM AST
 DESIGNED BY: KRW
 CHECKED BY:
 DRAWN BY:



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND
 PUBLIC FACILITIES

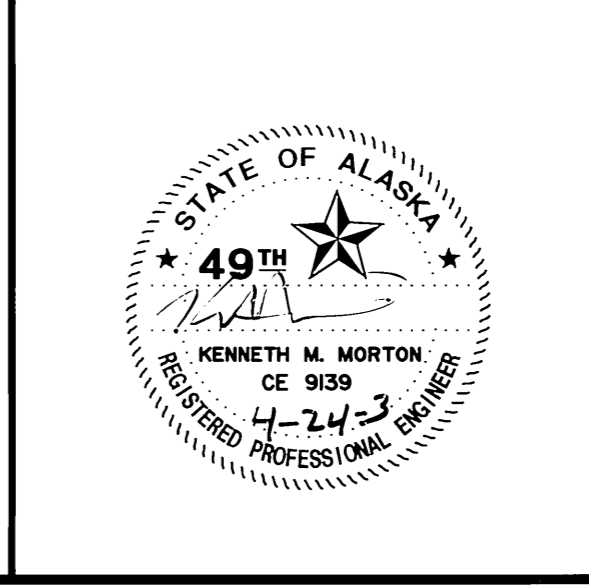
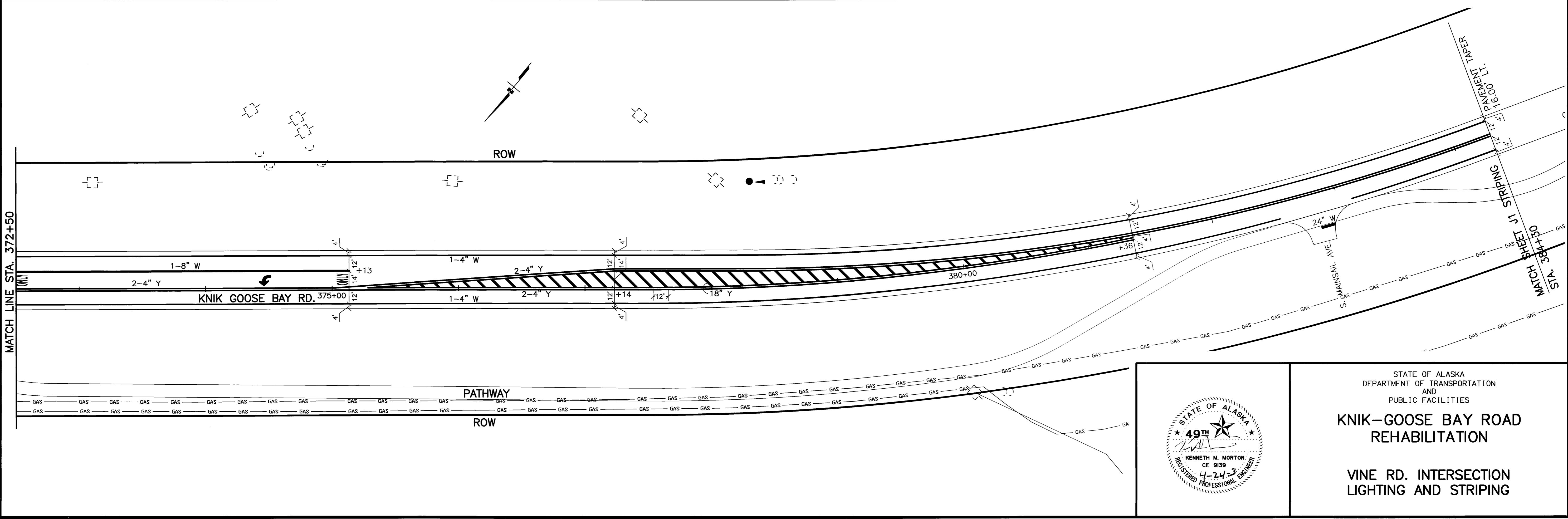
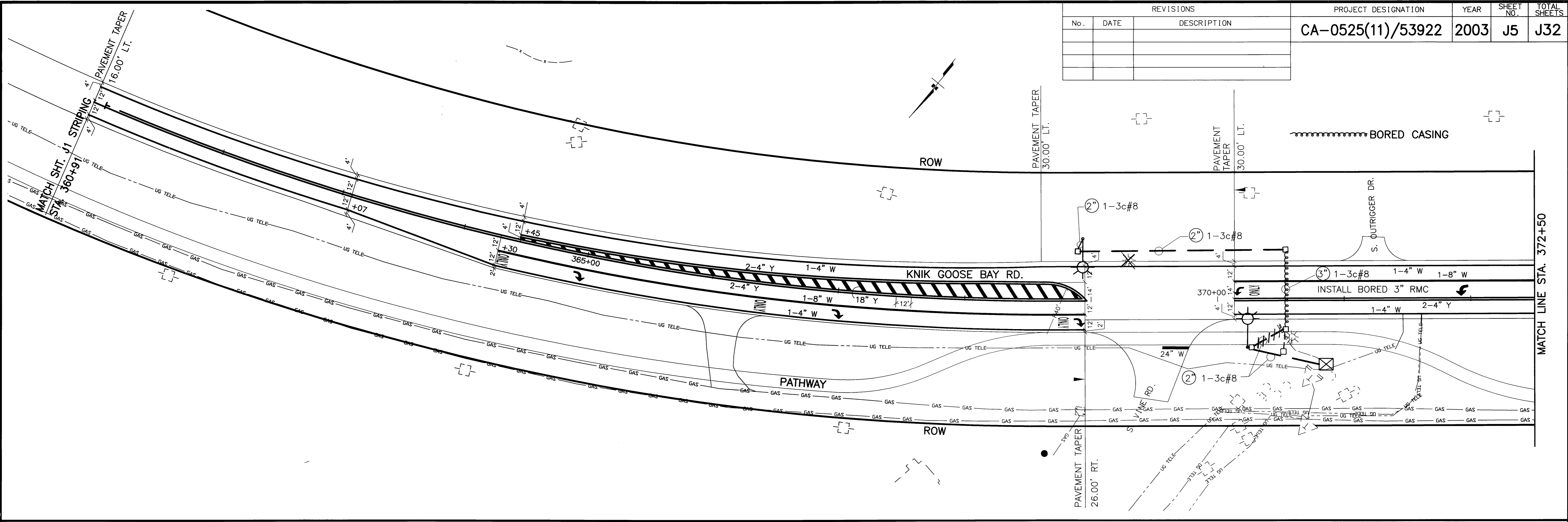
**KNIK-GOOSE BAY ROAD
 REHABILITATION**

FAIRVIEW LP. AND CLAPP RD.
 INTERSECTIONS LIGHTING
 AND STRIPING

REVISIONS		
No.	DATE	DESCRIPTION

PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
CA-0525(11)/53922	2003	J5	J32

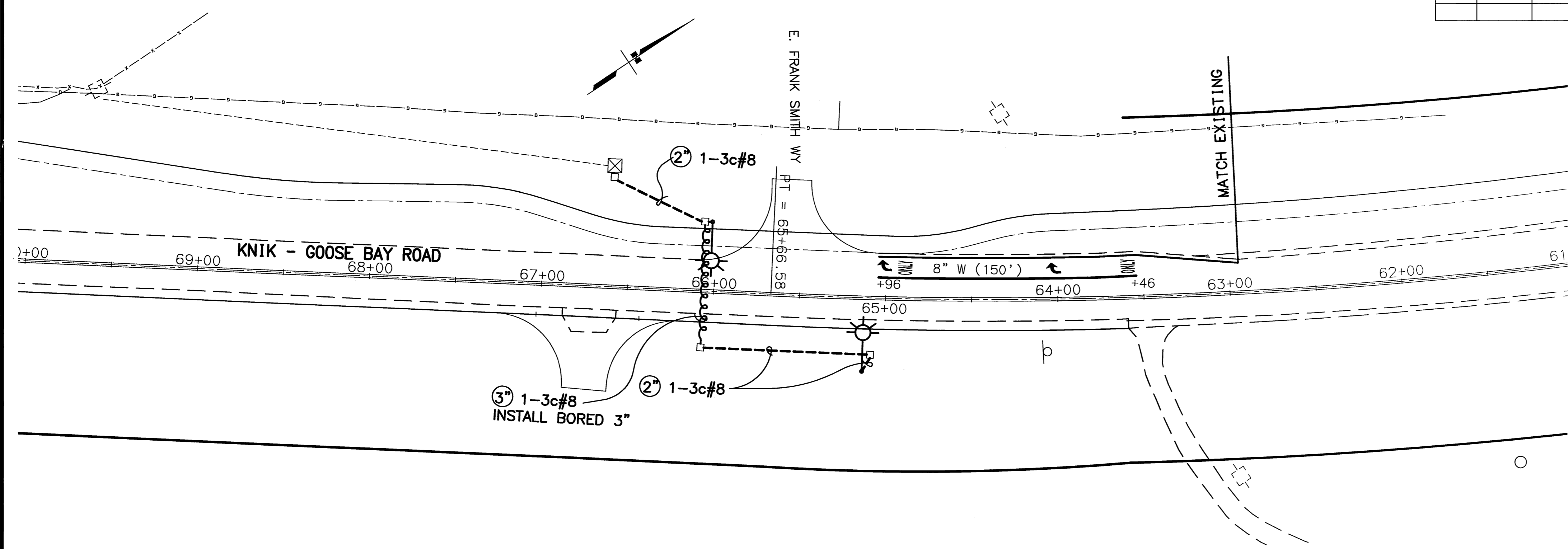
SPECIFICATIONS: AKS-KIM-TRAFFIC
 SCALE: 1"=1'
 COMPUTER DESIGNATION: K:\proj\lects\mofa\53922_KGB_Road\Cad\Turn_packets.dwg 02/04/2003 02:40:52 PM AST
 DESIGNED BY: KRW
 CHECKED BY: KRW
 DRAFTED BY: KRW



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND
 PUBLIC FACILITIES
**KNIK-GOOSE BAY ROAD
 REHABILITATION**

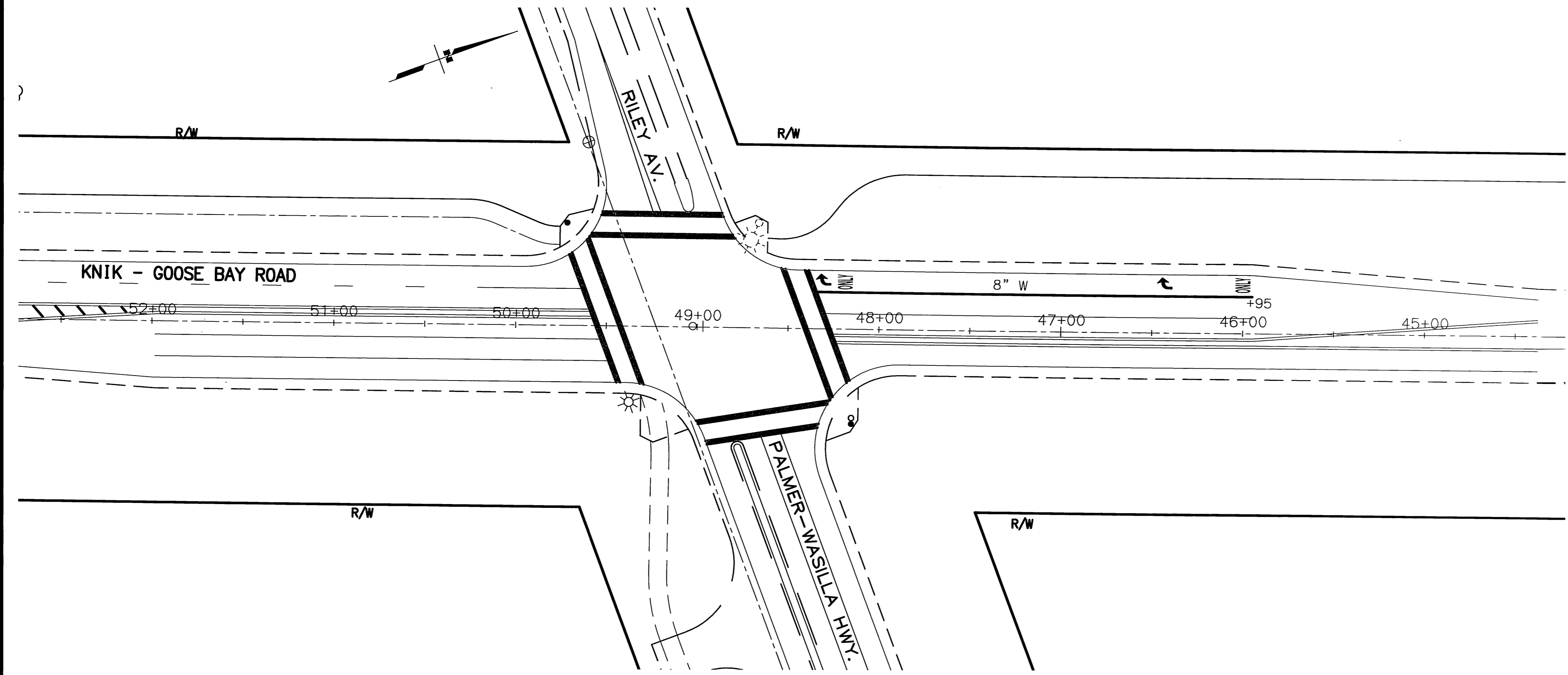
**VINE RD. INTERSECTION
 LIGHTING AND STRIPING**

REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	CA-0525(11)/53922	2003	J6A	32
1	05/21/03	ADD SHEET				
			ADDENDUM # 1, ATTACHMENT # 1			

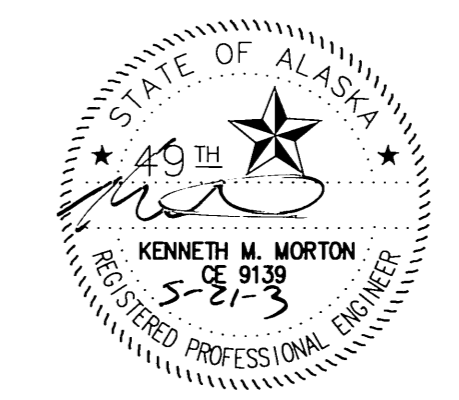


BORED CASING

SPECIFICATIONS: TRAFFIC - AUTOCAD - MARY; SCALE: 1" = 100'; DESIGNED BY: MDH; COMPUTER DESIGNATION: K:\P\Projects\53922\53922\53922.dwg; 05/20/2003 09:17:30; PLOTTED BY: MDH



NOTE:
 AN AS-BUILT PLAN WAS USED AS THE BASE SHEET FOR THIS PLAN. THE AS-BUILT PLAN SHOW WORK NOT RELEVANT TO THE CURRENT CONTRACT. PERFORM WORK AS INDICATED IN BOLD.



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND
 PUBLIC FACILITIES

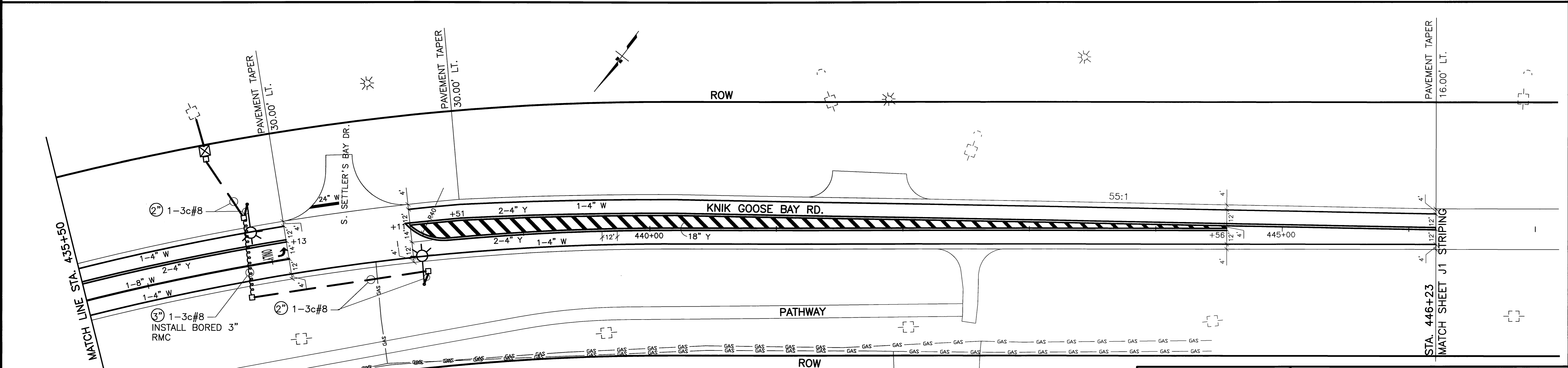
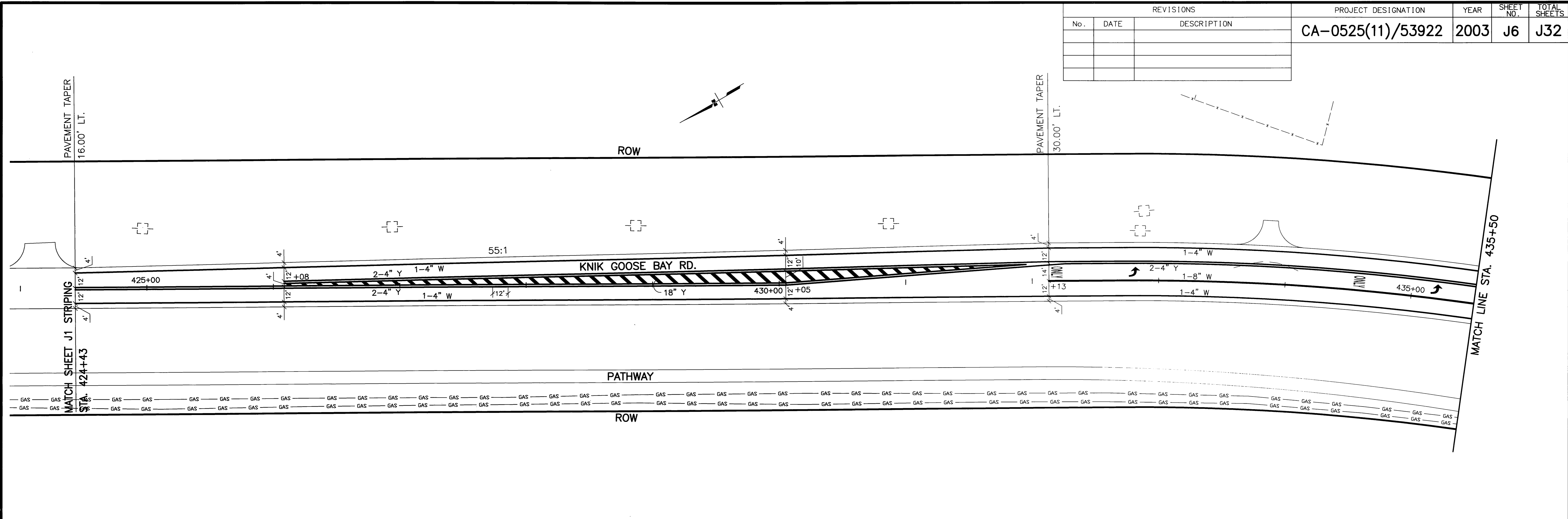
**KNIK-GOOSE BAY ROAD
 REHABILITATION**

**E. FRANK SMITH WY. &
 PALMER WASILLA HWY./RILEY AV. INTERSECTIONS
 LIGHTING AND STRIPING**

REVISIONS		
No.	DATE	DESCRIPTION

PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
CA-0525(11)/53922	2003	J6	J32

SPECIFICATIONS: AKS-KIM-TRAFFIC
 SCALE: 1"=10'
 COMPUTER DESIGNATION: K:\projects\53922\KGP_Regal_Coast\turn_packets\53922_03/24/2003_02:40:52_PM_AST.DWG
 DESIGNED BY: KRW
 DRAWN BY: KRW



BORED CASING



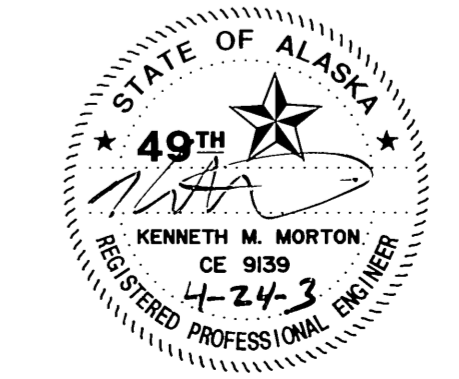
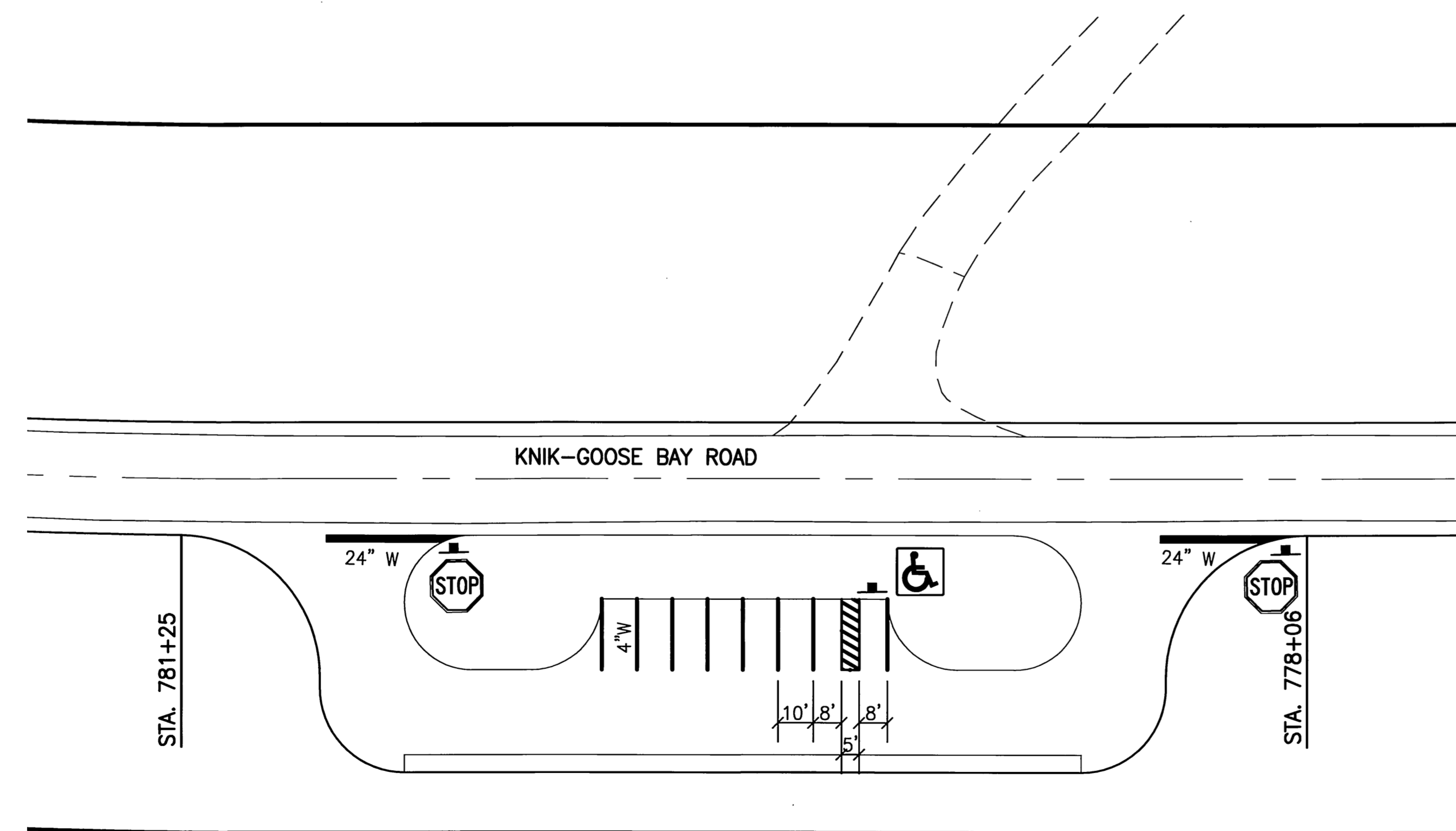
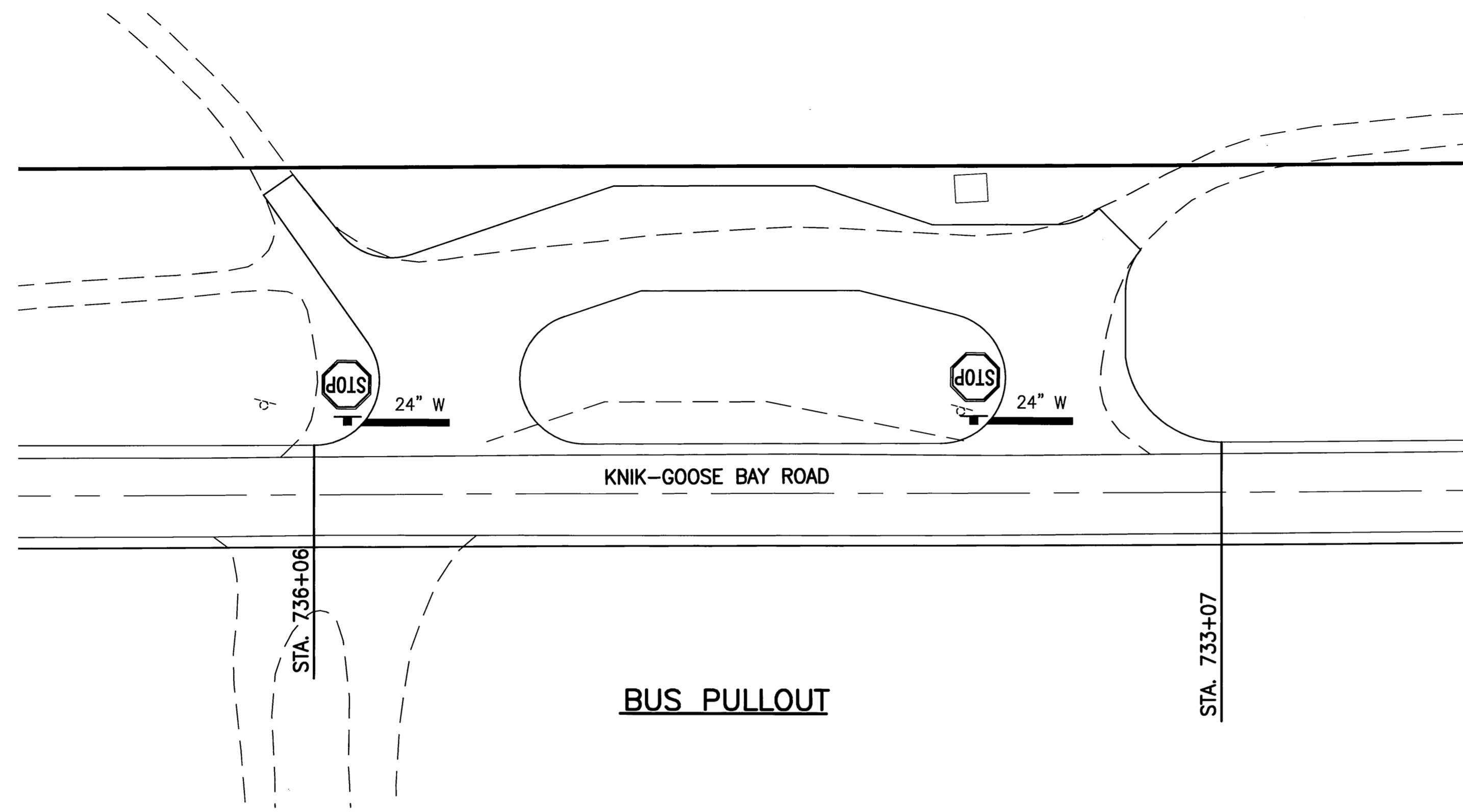
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND
 PUBLIC FACILITIES
**KNIK-GOOSE BAY ROAD
 REHABILITATION**
**SETTLER'S BAY DR. INTERSECTION
 LIGHTING AND STRIPING**

REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	CA-0525(11)/53922	2003	J7	J32

STRIPING NOTES:




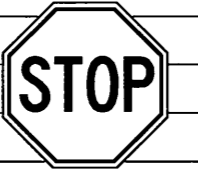
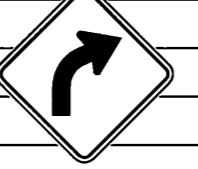


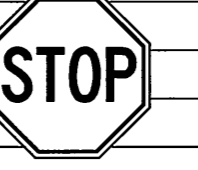

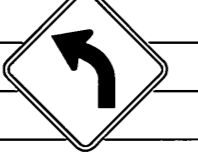
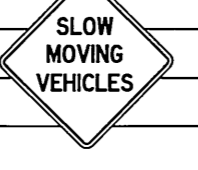

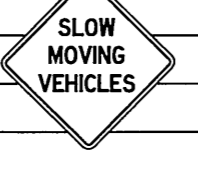

- IF THE NEW AND EXISTING LONGITUDINAL PAVEMENT MARKINGS ARE NOT ALIGNED AT THE MATCH LINE, TRANSITION BETWEEN THE TWO USING A 100:1 TAPER ON THE PAVEMENT.
- DIMENSIONS REFER TO THE CENTER OF STRIPE AND THE EDGE OF PAVEMENT.
- THE BEGINNING AND ENDING OF THE NO PASSING ZONES ARE APPROXIMATE. THE ENGINEER WILL ESTABLISH THE ACTUAL BEGINNING AND ENDING OF THE NO PASSING ZONES IN ACCORDANCE WITH THE ALASKA TRAFFIC MANUAL USING THE FOLLOWING CRITERIA:
 - MINIMUM PASSING SIGHT DISTANCE EQUALS 1000 FEET.
 - MINIMUM NO PASSING ZONE LENGTH EQUALS 500 FEET.
 - MINIMUM PASSING ZONE LENGTH EQUALS 880 FEET.

SPECIFICATIONS: AK-41W-TRAFFIC
 SCALE: 1"=1'
 PLOT SCALE: 1"=1'
 DESIGNED BY: [blank]
 CHECKED BY: [blank]
 DRAWN BY: [blank]
 DATE: 03/04/2003 02:42:30 PM AST
 FILE: K:\projects\mstru\53922\CGE_Road\cod\knb_busspullout.dwg



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND
 PUBLIC FACILITIES
**KNIK-GOOSE BAY ROAD
 REHABILITATION**
 PAVEMENT MARKING DETAILS

SIGN SUMMARY

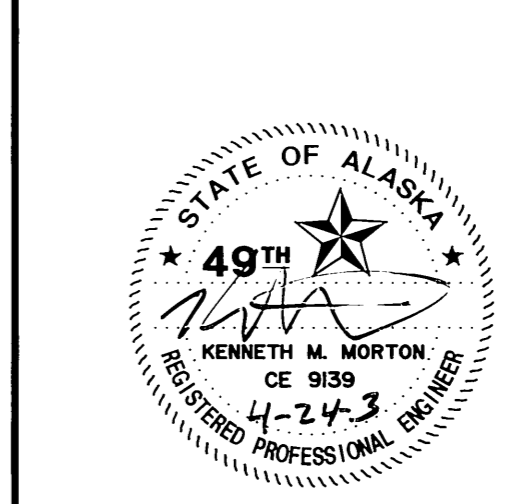
SHEET NO.	POST NO.	STATION	CL REF.	TYPE	LEGEND	SIZE (ft)		AREA (ft x ft)	SIGN FACES	POSTS NO., SIZE, & TYPE	THICKNESS (in)		REMARKS
						WIDTH	HGHT.				FRAMED? YES	BRACED? NO	
F4	1	52+00	RT	SPECIAL		7.00	2.50	17.50	N	2-2.5in T	0.13		
		62+80	RT	I-150	ADOPT A HIGHWAY JOHN SHADROCK AND FAMILY				N	2-2.5in T		REUSE EXISTING PANEL	
F5	2	65+80	RT	D3-1		4.00	0.67	2.67	E/W	1-2.5in PT	0.13	I DOUBLE SIDED PANEL	
				D3-1A		4.50 5.0	0.75	6.76 7.5	N/S		0.13	INSTALL 2 SIGNS BACK TO BACK	
				R1-1		2.50	2.50	6.25	E		0.13		
F5	3	66+90	RT	W1-2R		3.00	3.00	9.00	N	1-2.5in T	0.13		
		72+80	LT	I-150	ADOPT A HIGHWAY VALLEY GARDEN CLUB				S	1-2.5in T	0.13	REUSE EXISTING PANEL	
F6	4	73+20	LT	D3-1		4.00	0.67	2.67	E/W	1-2.5in PT	0.13	I DOUBLE SIDED PANEL	
				D3-1A		2.50 3.0	0.75	3.76 4.5	N/S		0.13	INSTALL 2 SIGNS BACK TO BACK	
				R1-1		2.50	2.50	6.25	E		0.13		
F6	5	75+60	LT	I-2A		5.50	3.00	16.50	S	2-2.5in T	0.13		
					THE DISCHARGING OF FIREARMS WITHIN CITY LIMITS PROHIBITED							REMOVE	
F7	6	84+40	LT	W1-2L		3.00	3.00	9.00	S	1-2.5in T	0.13		
F9	7	107+00	RT	W7-6		3.00	3.00	9.00	N	1-2.5in T	0.13		
					SMITH BALLFIELDS NEXT RIGHT							REMOVE	
		116+65	LT	I-150	ADOPT A HIGHWAY JOHN SHADRACK & FAMILY				S	1-2.5in T		REUSE EXISTING PANEL REPLACED DAMAGED SIGN	
F10	8	120+20	RT	M10-2 D10-1		0.50 1.5	0.66 0.83 x 2	0.33 2.5	N/S	1-2.5in PT	0.13	INSTALLED 2 SIGNS BACK TO BACK	
		123+00	RT		IDITAROD HEADQUARTERS				N	1-2.5in PT		REUSE EXISTING PANEL INSTALLED ON POST #8	
F10	9	126+30	LT	W7-6		3.00	3.00	9.00	S	1-2.5in T	0.13		
					SMITH BALLFIELDS NEXT LEFT							REMOVE	
F10	10	127+00	RT	D7-2A		10.00	2.00	20.00	N	2-3in T	0.13		

REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	CA-0525(11)/53922	2003	J8	J32

SIGNING NOTES.


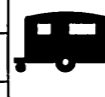


















- THE STATIONS AT WHICH THE SIGNS ARE TO BE INSTALLED ARE APPROXIMATE. INSTALL STOP SIGNS IN ACCORDANCE WITH THE STOP SIGN AND STOP BAR INSTALLATION DETAILS, AND ALL OTHER SIGNS AT LOCATIONS AS DIRECTED BY THE ENGINEER.
- INTERPRET THE ABBREVIATED POST TYPES SHOWN IN THE SIGN SUMMARY AS FOLLOWS:
 - PT MEANS A PERFORATED STEEL TUBE.
 - T MEANS A SQUARE STEEL TUBE.
 - P MEANS A ROUND STEEL PIPE.
 - W MEANS A WIDE FLANGE BEAM.
- WHEN TUBES AND PIPES ARE USED TO SUPPORT A SIGN, INSTALL THE OUTER POSTS ON MAXIMUM 6.0 FOOT CENTERS. WHEN WIDE FLANGE POSTS ARE USED, INSTALL THE W SHAPE POSTS IN EACH SIGN INSTALLATION ON MINIMUM 8.0 FOOT CENTERS.
- FABRICATE THE POST(S) IN EACH SIGN INSTALLATION LONG ENOUGH TO PROVIDE THE FOLLOWING MINIMUM CLEARANCES.
 - 7.0 FEET BETWEEN THE BOTTOM OF SIGN AND THE EDGE OF PAVEMENT.
 - 7.0 FEET BETWEEN THE BOTTOM OF SIGN AND THE GROUND AT THE SHORTEST POST.
 - 9.0 FEET BETWEEN THE TOP OF SIGN AND THE GROUND AT THE SHORTEST POST.
 - 3.3 FEET BETWEEN THE GROUND AND THE CORNER OF SIGN IN A CUT SECTION.
- IN EACH MULTI-POST SIGN INSTALLATION, FABRICATE THE POSTS WITH THEIR TOPS LEVEL WITH ONE ANOTHER.
- INSTALL THE TOP EDGE OF ALL SIGN PANELS ABOVE AND WITHIN 1 INCH OF THE TOP(S) OF SIGN POST(S), EXCEPT WHEN D3-1 STREET NAME SIGNS ARE TO BE INSTALLED.
- ATTACH FRAMED SIGNS TO THEIR SUPPORT POSTS AT ALL LOCATIONS WHERE THE WIND BEAMS CROSS EACH POST.
- FABRICATE ALL GUIDE SIGNS IN ACCORDANCE WITH THE SHOP DRAWINGS INCLUDED IN THE COMPUTATION PACKAGE. TRIM THE CORNERS OF ALL SIGNS TO THE RADIUS SHOWN ON EACH SHOP DRAWING.
- FOR PERFORATED STEEL TUBES (PTs), INSTALL THE CONCRETE FOUNDATION OPTION SHOWN ON STANDARD DRAWING S-30.03.
- PROVIDE 2.0 FEET OF CLEARANCE BETWEEN THE EDGE OF PATHWAYS AND EDGE OF SIGNS. FOR TRAPEZOIDAL SIGN ENDS OVER A PATHWAY, PROVIDE THE 2.0 FOOT CLEARANCE TO AT LEAST 8.0 FEET ABOVE THE PATHWAY.

SPECIFICATIONS: KNIK-KIM-TRAFFIC
 SCALE: 1"=100'
 COMPUTER DESIGNATION: K:\PROJECTS\10525\10525.DWG
 DESIGNED BY: KMB
 CHECKED BY: KMB
 PLOTT SCALE: 1"=100'
 PLOT DATE: 02/20/03
 PLOTTED BY: KMB

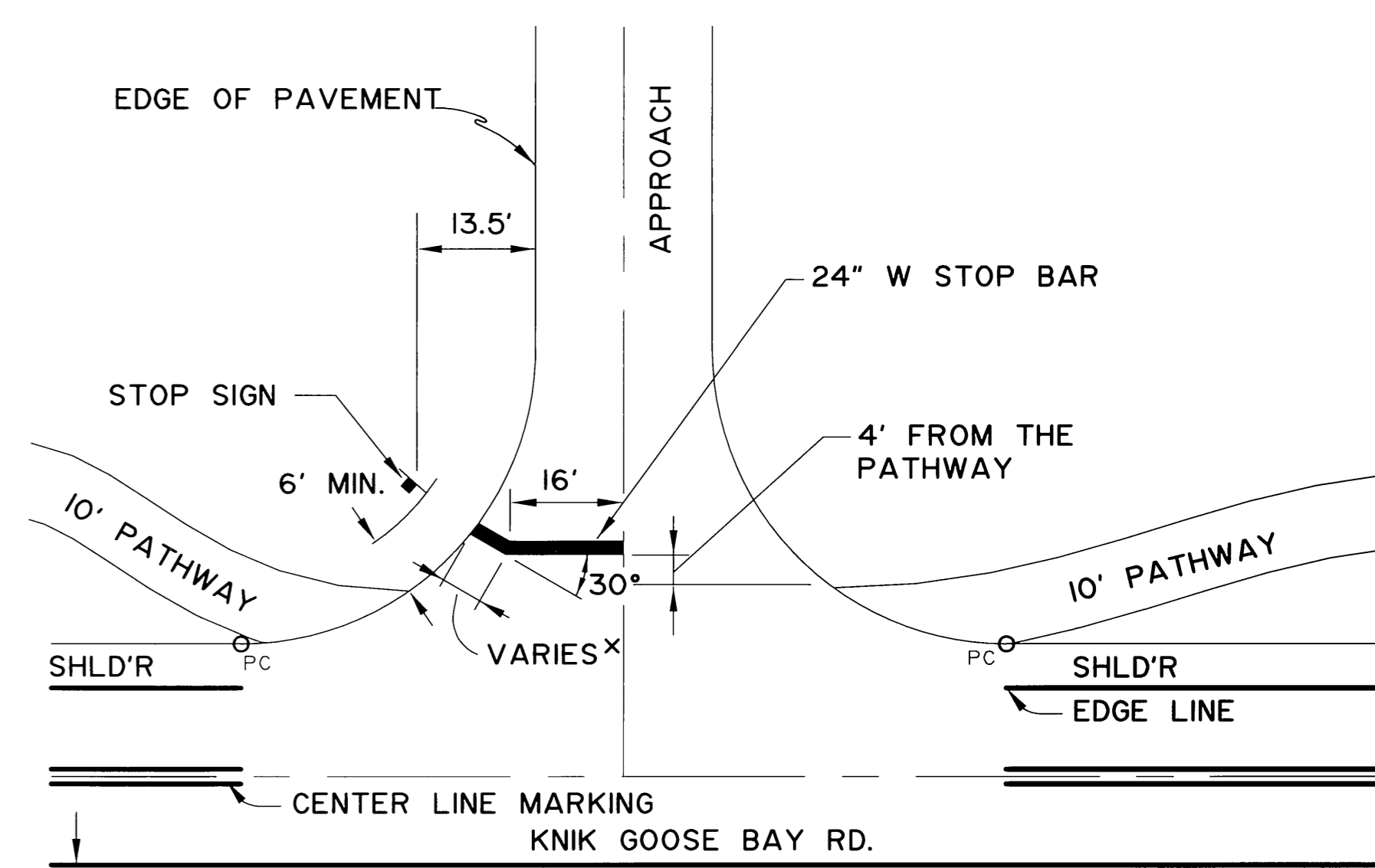


STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND
 PUBLIC FACILITIES
**KNIK-GOOSE BAY ROAD
 REHABILITATION**
 SIGN SUMMARY

SIGN SUMMARY

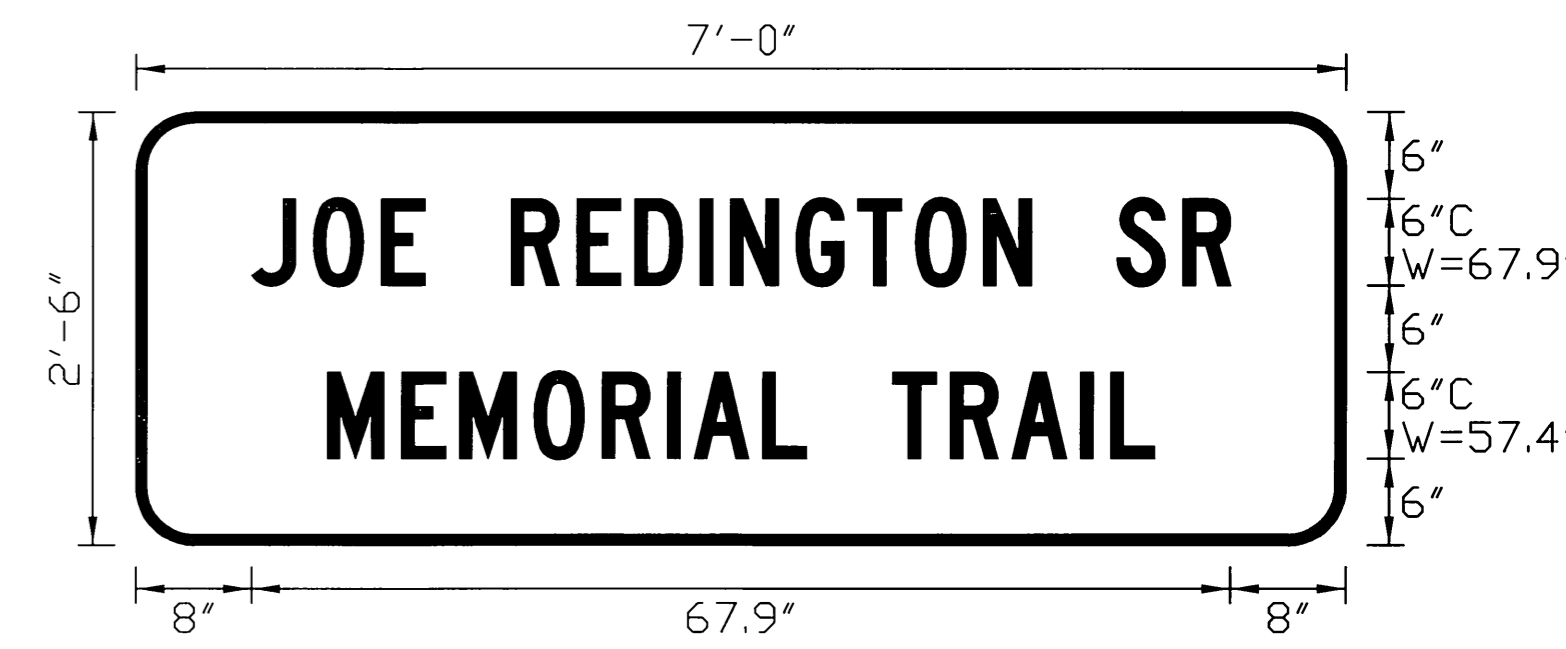
SHEET NO.	POST NO.	STATION	CL REF.	TYPE	LEGEND	SIZE (ft)		AREA (ft x ft)	SIGN FACES	POSTS NO., SIZE, & TYPE	THICKNESS (in)			REMARKS
						WIDTH	HGHT.				FRAMED? YES	NO	BRACED? YES	
				D7-RM-010		2.00	2.00	4.00				0.13		
				D7-DM-020		2.00	2.00	4.00				0.13		
F11	11	129+90	RT	D3-1		4.00	0.67	2.67	E/W	1-2.5in PT		0.13	I DOUBLE SIDED PANEL	
				D3-1A		3.50 4.0	0.75	5.26 6.0	N/S			0.13	INSTALL 2 SIGNS BACK TO BACK	
				R1-1		2.50	2.50	6.25	W			0.13		
F11	12	132+00	LT	D7-2A		10.00	2.00	20.00	N	2-3in T		0.13		
				D7-RM-010		2.00	2.00	4.00				0.13		
				D7-DM-020		2.00	2.00	4.00				0.13		
F11	13	138+50	RT	D3-2L		10.00	2.00	20.00	N	2-2.5in T		0.13		
F12	14	141+78	RT	D3-1		4.00	0.67	2.67	E/W	1-2.5in PT		0.13	I DOUBLE SIDED PANEL	
				D3-1A		4.50	0.75	6.76	N/S			0.13	INSTALL 2 SIGNS BACK TO BACK	
				R1-1		2.50	2.50	6.25	W			0.13		
F12	15	145+80	LT	D3-1		4.00	0.67	2.67	E/W	1-2.5in PT		0.13	I DOUBLE SIDED PANEL	
				D3-1A		3.50 4.0	0.75	5.26 6.0	N/S			0.13	INSTALL 2 SIGNS BACK TO BACK	
				R1-1		2.50	2.50	6.25	E			0.13		
F13	16	153+70	LT	D3-2R		10.00	2.00	20.00	S	2-2.5in T		0.13		
F14	17	168+00	RT	D3-1		4.00	0.67	2.68	E/W	1-2.5in PT		0.13	I DOUBLE SIDED PANEL	
				D3-1A		4.00	0.75	6.00	N/S			0.13	INSTALL 2 SIGNS BACK TO BACK	
				R1-1		2.50	2.50	6.25	W			0.13		
F15	18	170+60	RT	M10-2		0.50 4.5	0.66 0.83 x 2	0.33 2.5	N/S	1-2.5in PT		0.13	INSTALLED 2 SIGNS BACK TO BACK	

REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	CA-0525(11)/53922	2003	J9	J32
1	5/21/03	CHANGED SIGN SIZE	ADDENDUM #1, ATTACHMENT #1			



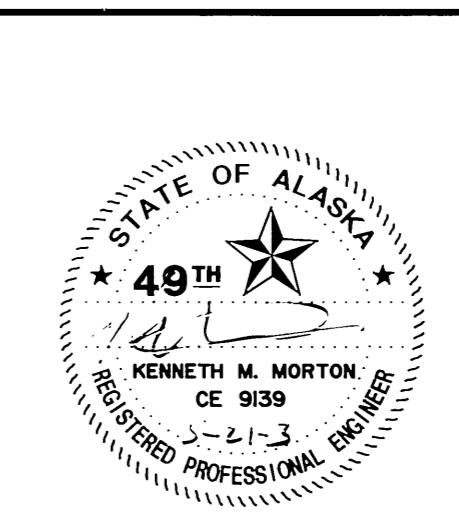
STOP BAR AND STOP SIGN
INSTALLATION DETAIL
(WITH PATHWAY)

* OMIT ANGLE IF LESS THAN 8'



POST 1 SIGN DETAIL

SPECIFICATIONS: 1-1
 SCALE: 1-1
 COMPUTER DESIGNATION: K:\Projects\10453922_KGB_Road\Cad\kjob_ssum.dwg
 PLOT SCALE: 1-1
 DATE: 05/20/2003 02:33:33 PM
 DRAWN BY: KRW
 CHECKED BY:



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

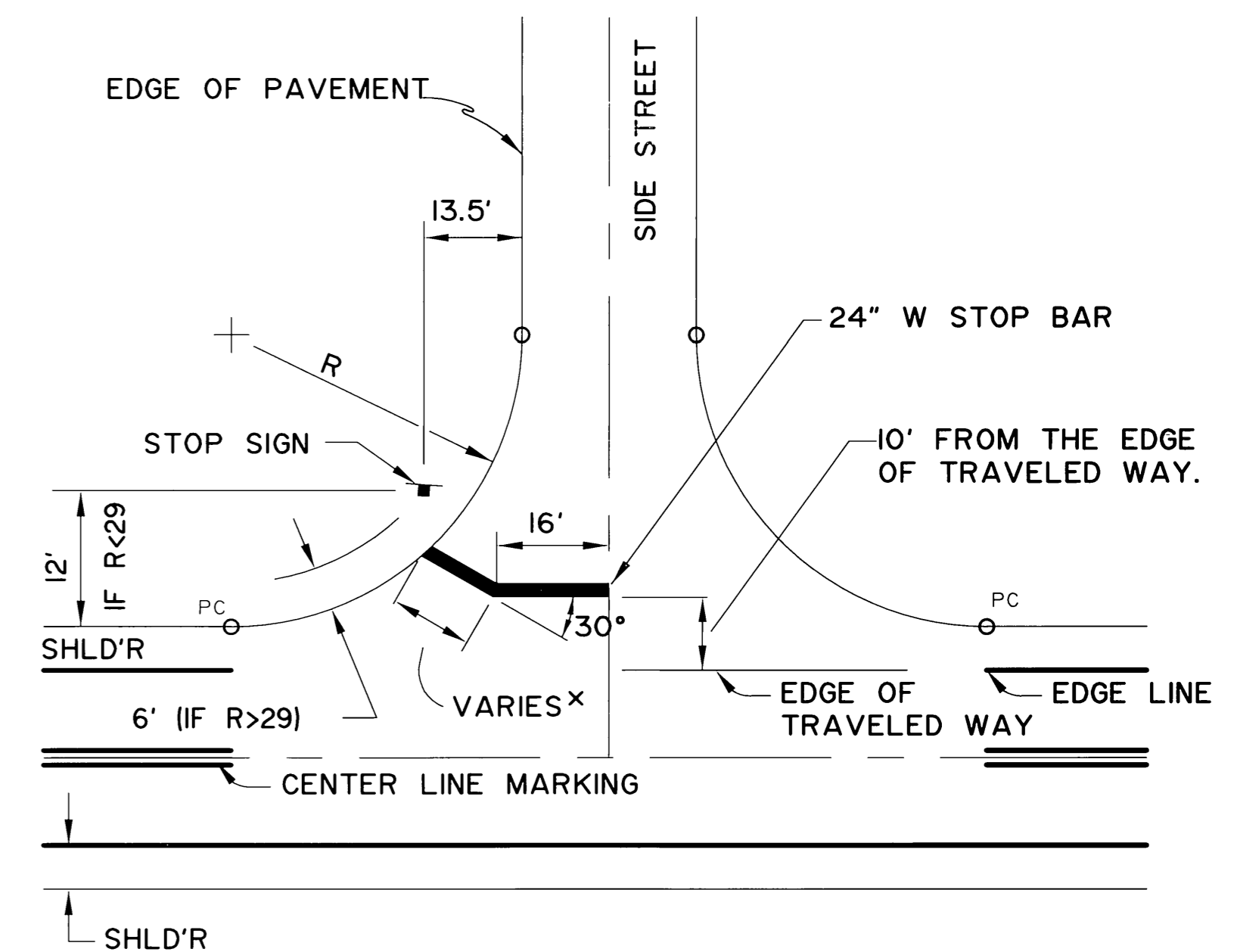
**KNIK-GOOSE BAY ROAD
REHABILITATION**

SIGN SUMMARY

SIGN SUMMARY

SHEET NO.	POST NO.	STATION	CL REF.	TYPE	LEGEND	SIZE (ft)		AREA (ft x ft)	SIGN FACES	POSTS NO., SIZE, & TYPE	THICKNESS (in)		REMARKS	
						WIDTH	HGHT.				FRAMED?	BRACED?		
F18	19	214+10	RT	D3-1		4.00	0.67	2.68 2.67	E/W	1-2.5in PT		0.13	I DOUBLE SIDED PANEL	
				D3-1A		3.50	0.75	5.26 5.25	N/S				0.13	INSTALL 2 SIGNS BACK TO BACK
				R1-1		2.50	2.50	6.25	W				0.13	
F18	20	215+20	RT	D3-2L		10.50 10.0	2.00	21.00 20.0	N	2-2.5in T		0.13		
F18	21	221+20	LT	R2-1		2.50	3.00	7.50	S	1-2.5in PT		0.13	MOUNT ON ELECTROLIER	
F18	22	222+00	RT	M10-2 D10-1		0.50 1.5	0.66 0.83 x 2	0.33 2.5	N/S	1-2.5in PT		0.13	INSTALLED 2 SIGNS BACK TO BACK REMOVE 5/24/05	
F19	23	225+20	LT	D3-1		4.00	0.67	2.68 2.67	E/W	1-2.5in PT		0.13	I DOUBLE SIDED PANEL	
				D3-1A		3.50	0.75	5.26 5.25	N/S				0.13	INSTALL 2 SIGNS BACK TO BACK
				R1-1		2.50	2.50	6.25	E				0.13	
F19	24	231+50	RT	R2-1		2.50	3.00	7.50	N	1-2.5in PT		0.13		
F19	25	233+00	LT	D3-2R		10.50 10.0	2.00	21.00 20.0	S	1-2.5in T		0.13		
F20	26	242+00	LT	D3-1		4.00	0.67	2.68 2.67	E/W	1-2.5in PT		0.13	I DOUBLE SIDED PANEL	
				D3-1A		4.00	0.75	6.00	N/S				0.13	INSTALL 2 SIGNS BACK TO BACK
				R1-1		2.50	2.50	6.25	E				0.13	
F20	27	243+00	RT	D3-1		4.00	0.67	2.68 2.67	E/W	1-2.5in PT		0.13	I DOUBLE SIDED PANEL	
				D3-1A		3.50	0.75	5.26 5.25	N/S				0.13	INSTALL 2 SIGNS BACK TO BACK
				R1-1		2.50	2.50	6.25	W				0.13	
F21	28	248+30	LT	D3-1		4.00	0.67	2.68 2.67	E/W	1-2.5in PT		0.13	I DOUBLE SIDED PANEL	
				D3-1A		4.00	0.75	6.00	N/S				0.13	INSTALL 2 SIGNS BACK TO BACK
				R1-1		2.50	2.50	6.25	E				0.13	

REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	CA-0525(11)/53922	2003	J10	J32
①	5/21/03	CHANGED SIGN SIZE	ADDENDUM #1, ATTACHMENT #1			

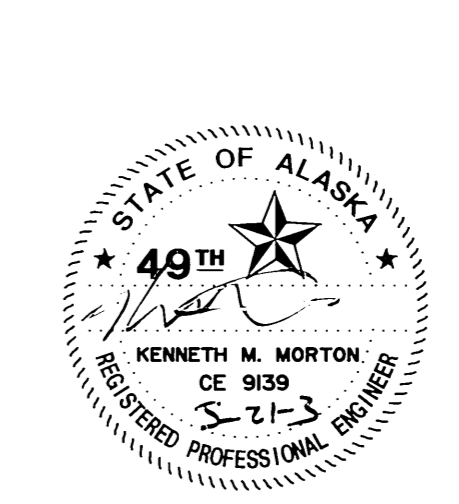


**STOP BAR AND STOP SIGN
INSTALLATION DETAIL**

(WITHOUT PATHWAY)

* OMIT ANGLE IF LESS THAN 8'

SPECIFICATIONS: AKK-KIM-TRAFFIC
 K:\PROJECTS\0525(11)\53922_KGB_Road\Calc\Kgb_ssumming_05/20/2003_02:33:33_PM.ADT
 DESIGNED BY: KIM
 CHECKED BY: KIM
 PLOTTED BY: KIM
 PLOT SCALE: 1"=1'
 DATE: 05/20/2003 02:33:33 PM

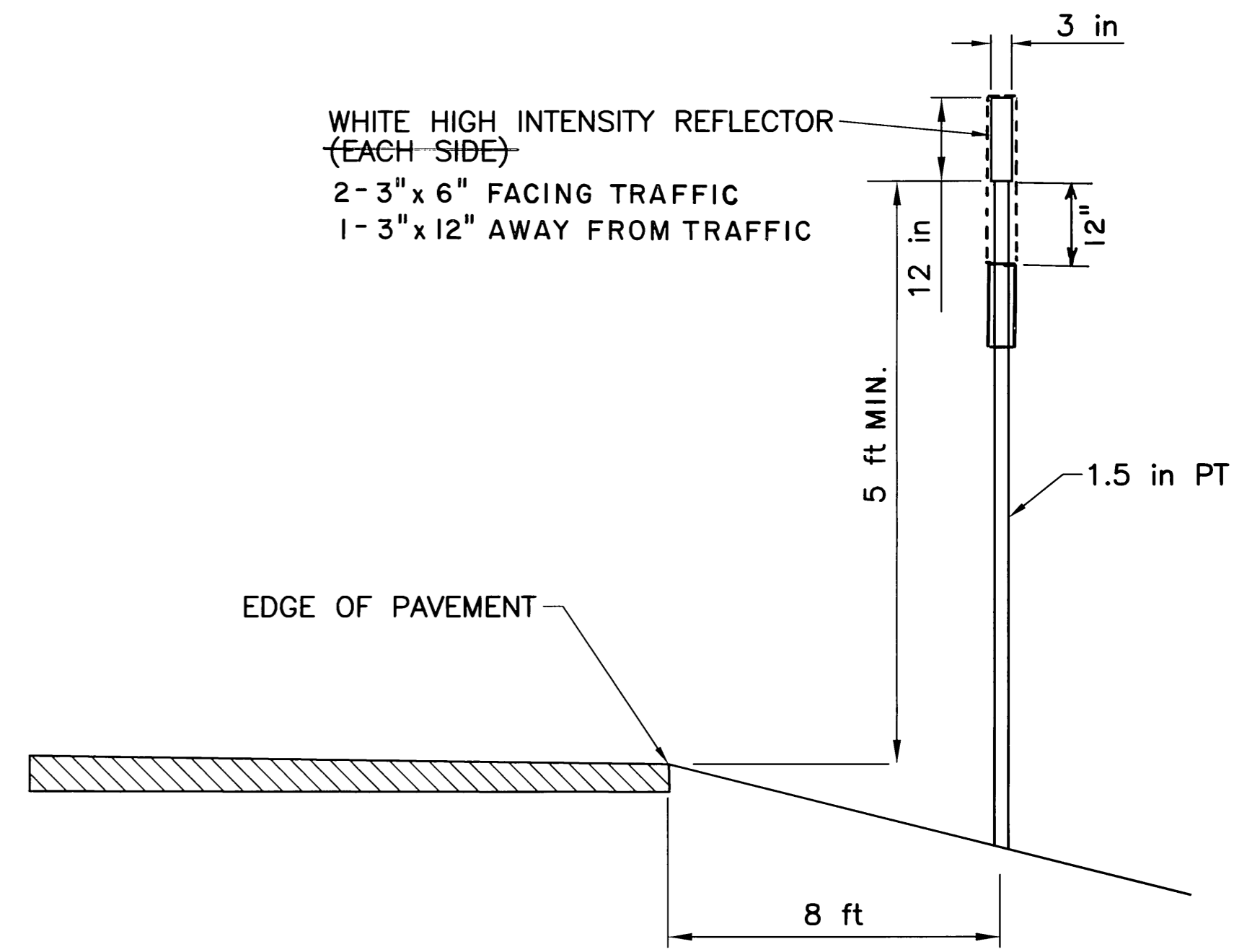


STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND
 PUBLIC FACILITIES
**KNIK-GOOSE BAY ROAD
 REHABILITATION**
 SIGN SUMMARY

SIGN SUMMARY

REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	CA-0525(11)/53922	2003	J11	J32

SHEET NO.	POST NO.	STATION	CL REF.	TYPE	LEGEND	SIZE (ft)		AREA (ft x ft)	SIGN FACES	POSTS NO., SIZE, & TYPE	THICKNESS (in)		REMARKS
						WIDTH	HGHT.				FRAMED?	BRACED?	
F23	29	273+80	LT	D3-1		4.00	0.67	2.68 2.67	E/W	1-2.5in PT		0.13	I DOUBLE SIDED PANEL
				D3-1A		4.00	0.75	6.00	N/S			0.13	INSTALL 2 SIGNS BACK TO BACK
				R1-1		2.50	2.50	6.25	E			0.13	
F23	30	274+40	RT	D3-1		4.00	0.67	2.68 2.67	E/W	1-2.5in PT		0.13	I DOUBLE SIDED PANEL
				D3-1A		3.50 4.0	0.75	5.26 6.0	N/S			0.13	INSTALL 2 SIGNS BACK TO BACK
				R1-1		2.50	2.50	6.25	W			0.13	
F23	31	276+00	RT	M10-2 D10-1		0.50 1.5	0.66 0.83 x 2	0.33 2.25	N/S	1-2.5in PT		0.13	INSTALL 2 SIGNS BACK TO BACK
F24	32	286+80	RT	D3-1		4.00	0.67	2.68 2.67	E/W	1-2.5in PT		0.13	I DOUBLE SIDED PANEL
				D3-1A		4.00	0.75	6.00	N/S			0.13	INSTALL 2 SIGNS BACK TO BACK
				R1-1		2.50	2.50	6.25	W			0.13	
F26	33	310+60	RT	W1-2R		3.00	3.00	9.00	N	1-2.5in T		0.13	
F26	34	312+50	RT	D3-1		4.00	0.67	2.68 2.67	E/W	1-2.5in PT		0.13	I DOUBLE SIDED PANEL
				D3-1A		4.00	0.75	6.00	N/S			0.13	INSTALL 2 SIGNS BACK TO BACK
				R1-1		2.50	2.50	6.25	W			0.13	
F27	35	329+40	RT	M10-2 D10-1		0.50 0.83	0.66 1.50 x 2	0.33 2.50	N/S	1-2.5in PT		0.13	INSTALLED 2 SIGNS BACK TO BACK
		329+60	RT	I-150	ADOPT A HIGHWAY SETTLER'S BAY GOLF COURSE				N	1-2.5in T			REUSE EXISTING PANEL INSTALLED ON POST #35 WITH MILE MARKER
F27	36	331+00	LT	W1-2L		3.00	3.00	9.00	S	1-2.5in T		0.13	
F29	37	349+98	LT	D3-1		4.00	0.67	2.68 2.67	E/W	1-2.5in PT		0.13	
				D3-1A		4.50 5.0	0.75	6.76 7.5	N/S			0.13	
				R1-1		2.50	2.50	6.25	E			0.13	
F30	38	357+95	RT	D3-1		4.00	0.67	2.68 2.68	E/W	1-2.5in PT		0.13	I DOUBLE SIDED PANEL
				D3-1A		5.00	0.75	7.50	N/S			0.13	INSTALL 2 SIGNS BACK TO BACK
				R1-1		2.50	2.50	6.25	W			0.13	



DELINEATOR DETAIL

1. INSTALL TYPE A, RIGID DELINEATORS PER STANDARD DRAWING T-05.10 ~~05.00~~ ON CURVES IN BOTH NORTH AND SOUTHBOUND DIRECTIONS STARTING AT STATION 49+00 AND ENDING AT 1057+20. ALSO, ON TANGENT SECTIONS, WHERE T-05.00 DOES NOT APPLY, INSTALL DELINEATORS EVERY 500 FT.
 2. INSTALL DELINEATOR POST FOUNDATIONS WITH SOIL EMBEDMENT PER STD. DWG. S-30.03.
 3. FASTEN REFLECTORS TO POSTS WITH MINIMUM 5/16" GALVANIZED BOLTS, 1 PER SMALLER REFLECTOR, TWO PER LARGE REFLECTOR, OR EQUAL.
- FIELD ADJUSTMENTS MADE ON DELINEATORS SPACING TO ACCOMODATE OBSTACLES, I.E. CONDUIT, APPROACHES, 4 WHEELER/MUSHER TRAIL, ETC. TANGENT DELINEATOR ALTERNATED ON 250 FEET ± SPACING RT./LT. AS PER JOE HARTLEY (DOT TRAFFIC)
- CHANGES MADE BY RFP #10.

SPECIFICATIONS: ASK-KIM-TRAFFIC
 SCALE: 1"=1'
 COMPUTER DESIGNATION: K:\PROJECTS\53922\KGB\Road\CA05\KGB\sum.dwg 03/04/2003 02:50:56 PM ASK
 PLOT SCALE: 1"=1'
 DESIGNED BY: KRW
 CHECKED BY: KRW
 DRAFTED BY: KRW

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

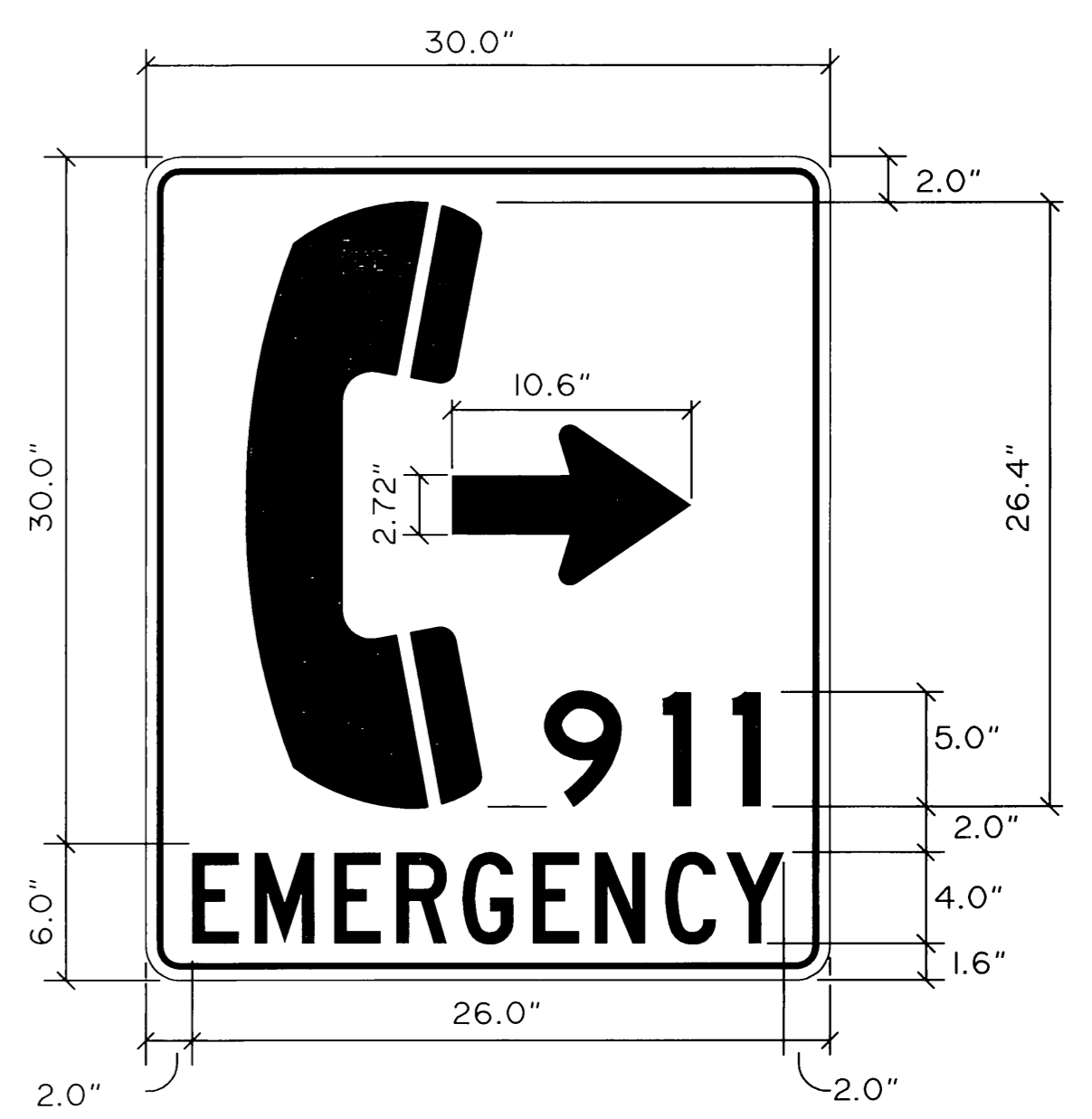
**KNIK-GOOSE BAY ROAD
REHABILITATION**

SIGN SUMMARY

SIGN SUMMARY

SHEET NO.	POST NO.	STATION	CL REF.	TYPE	LEGEND	SIZE (ft)		AREA (ft x ft)	SIGN FACES	POSTS NO., SIZE, & TYPE	THICKNESS (in)		REMARKS
						WIDTH	HGHT.				FRAMED?	BRACED?	
		364+20	RT		GOOSE BAY ELEMENTARY SCHOOL ----->				N	2-2.5in T			REUSE EXISTING PANEL NEW SIGN - OLD ONE DESTROYED
F31	39	369+90	RT	D3-1	S KNIK GOOSE BAY RD	4.00	0.67	2.68	E/W	1-2.5in PT	0.13		I DOUBLE SIDED PANEL
				D3-1A	S VINE RD	2.50 3.0	0.75	3.76 4.5	N/S			0.13	INSTALL 2 SIGNS BACK TO BACK
				R1-1	STOP	2.50	2.50	6.25	W			0.13	
F31	40	371+00	LT	D3-1	S KNIK GOOSE BAY RD	4.00	0.67	2.68 2.67	E/W	1-2.5in PT	0.13		I DOUBLE SIDED PANEL
				D3-1A	S OUTRIGGER DR	4.00	0.75	6.00	N/S			0.13	INSTALL 2 SIGNS BACK TO BACK
				R1-1	STOP	2.50	2.50	6.25	E			0.13	
		375+70	LT		GOOSE BAY ELEMENTARY SCHOOL -----<				S	2-2.5in T I FRANGIBLE COUPLING			REUSE EXISTING PANEL
F31	41	375+90	RT	D9-1R MOD	911 EMERGENCY	2.50	3.00	7.50	N	1-2.5in PT	0.13		
F32	42	383+00	RT	D3-1	S KNIK GOOSE BAY RD	4.00	0.67	2.68	E/W	1-2.5in PT	0.13		I DOUBLE SIDED PANEL
				D3-1A	S MAINSAIL AV	4.00	0.75	6.00	N/S			0.13	INSTALL 2 SIGNS BACK TO BACK
				R1-1	STOP	2.50	2.50	6.25	W			0.13	
F32	43	383+91	RT	M10-3 D10-1	7 7	0.50 0.83	0.66 1.5 x 2	0.33 2.5	N/S	1-2.5in PT	0.13		INSTALLED 2 SIGNS BACK TO BACK
F32	44	386+50	RT	D3-1	S KNIK GOOSE BAY RD	4.00	0.67	2.68	E/W	1-2.5in PT	0.13		I DOUBLE SIDED PANEL
				D3-1A	W COMMADORE LN	4.50	0.75	6.76 6.75	N/S			0.13	INSTALL 2 SIGNS BACK TO BACK
				R1-1	STOP	2.50	2.50	6.25	W			0.13	
F32	45	389+00 385+50	LT	D9-1L MOD	911 EMERGENCY	2.50	3.00	7.50	S	1-2.5in PT	0.13		
F33	46	394+30	LT	D3-1	S KNIK GOOSE BAY RD	4.00	0.67	2.68 2.67	E/W	1-2.5in PT	0.13		I DOUBLE SIDED PANEL
				D3-1A	S BINNACLE DR	4.50	0.75	6.76 6.75	N/S			0.13	INSTALL 2 SIGNS BACK TO BACK
				R1-1	STOP	2.50	2.50	6.25	E			0.13	

REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	CA-0525(11)/53922	2003	J12	J32



D9-1R MOD.
SIGN DETAIL
SERIES D CAPS
LEGEND WHITE
BACKGROUND BLUE

SPECIFICATIONS: AK-KIM-TRAFFIC
 SCALE: 1"=1'
 COMPUTER DESIGNATION: K:\PROJECTS\AK-KIM\TRAFFIC\53922\KGB_Road\Card\Kgb_ssum.dwg 03/04/2003 02:50:56 PM AS DRAFTED BY: KRW
 DESIGNED BY: KRW
 CHECKED BY: KRW

KENNETH M. MORTON
CE 9139
4-24-3
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

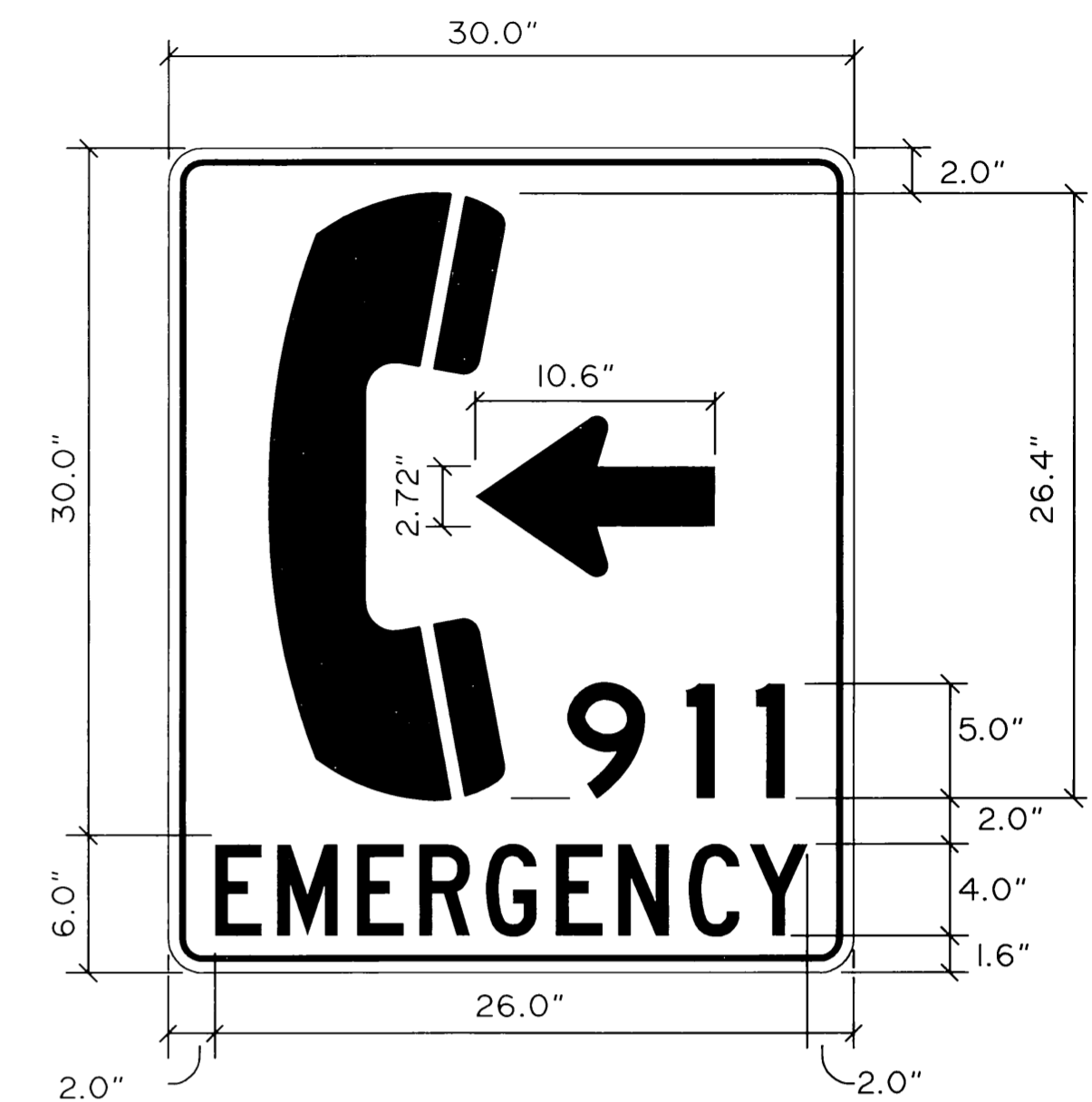
**KNIK-GOOSE BAY ROAD
REHABILITATION**

SIGN SUMMARY

SIGN SUMMARY

SHEET NO.	POST NO.	STATION	CL REF.	TYPE	LEGEND	SIZE (ft)		AREA (ft x ft)	SIGN FACES	POSTS NO., SIZE, & TYPE	THICKNESS (in)			REMARKS
						WIDTH	HGHT.				FRAMED?	NO	BRACED?	
F33	47	395+20	RT	D3-1	S KNIK GOOSE BAY RD	4.00	0.67	2.68 2.67	E/W	1-2.5in PT		0.13		I DOUBLE SIDED PANEL
				D3-1A	W SUNSET AV	3.50	0.75	5.26 5.25	N/S				0.13	INSTALL 2 SIGNS BACK TO BACK
				R1-1	STOP	2.50	2.50	6.25	W				0.13	
F33	48	401+65	LT	D3-1	S KNIK GOOSE BAY RD	4.00	0.67	2.68 2.67	E/W	1-2.5in PT		0.13		I DOUBLE SIDED PANEL
				D3-1A	S BINNACLE DR	4.50	0.75	6.76 6.75	N/S				0.13	INSTALL 2 SIGNS BACK TO BACK
				R1-1	STOP	2.50	2.50	6.25	E				0.13	
F34	49	405+90	RT	D3-1	S KNIK GOOSE BAY RD	4.00	0.67	2.68 2.67	E/W	1-2.5in PT		0.13		I DOUBLE SIDED PANEL
				D3-1A	S MAINSAIL AV	4.00	0.75	6.00	N/S				0.13	INSTALL 2 SIGNS BACK TO BACK
				R1-1	STOP	2.50	2.50	6.25	W				0.13	
F34	50	411+80	LT	D3-1	S KNIK GOOSE BAY RD	4.00	0.67	2.68 2.67	E/W	1-2.5in PT		0.13		I DOUBLE SIDED PANEL
				D3-1A	W COMPASS DR	4.00	0.75	6.00	N/S				0.13	INSTALL 2 SIGNS BACK TO BACK
				R1-1	STOP	2.50	2.50	6.25	E				0.13	
F35	51	416+00	RT	D3-1	S KNIK GOOSE BAY RD	4.00	0.67	2.68 2.67	E/W	1-2.5in PT		0.13		I DOUBLE SIDED PANEL
				D3-1A	W WELLINGTON DR	5.50 5.0	0.75	8.26 7.5	N/S				0.13	INSTALL 2 SIGNS BACK TO BACK
				R1-1	STOP	2.50	2.50	6.25	W				0.13	
F36	52	432+25	RT	D9-19L	POST OFFICE ←	3.00	2.00	6.00	N	1-2.5in PT		0.13		
F36	53	437+30	LT	D3-1	S KNIK GOOSE BAY RD	4.00	0.67	2.68 2.67	E/W	1-2.5in PT		0.13		I DOUBLE SIDED PANEL
				D3-1A	S SETTLER'S BAY DR	5.00	0.75	7.50	N/S				0.13	INSTALL 2 SIGNS BACK TO BACK
				R1-1	STOP	2.50	2.50	6.25	E				0.13	
F37	54	439+70	LT	D9-19R	POST OFFICE →	3.00	2.00	6.00	S	1-2.5in PT		0.13		
F37	55	440+60	RT	M10-2-D10-1	ADOPT A HIGHWAY	0.50 0.83	0.66 1.50 x 2	0.33 2.50	N/S	1-2.5in PT		0.13		INSTALLED 2 SIGNS BACK TO BACK
				455+45	LT	I-150	SETTLER'S BAY GOLF COURSE				S	1-2.5in T		

REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	CA-0525(11)/53922	2003	J13	J32



D9-1L MOD.
SIGN DETAIL
SERIES D CAPS
LEGEND WHITE
BACKGROUND BLUE

SPECIFICATIONS: AKK-KUM-TRAFFIC
 K:\AD\PROJECTS\53922 KGB Road\Gob\Kgb_sounding_03/04/2003_02:50:56_PM.PLT
 DESIGNED BY: KRW
 CHECKED BY: KRW
 PLOT SCALE: 1"=1'

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

**KNIK-GOOSE BAY ROAD
REHABILITATION**

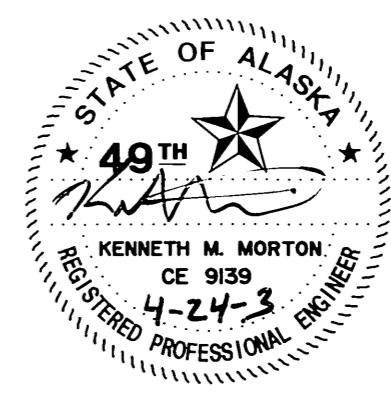
SIGN SUMMARY

SIGN SUMMARY

SHEET NO.	POST NO.	STATION	CL REF.	TYPE	LEGEND	SIZE (ft)		AREA (ft x ft)	SIGN FACES	POSTS NO., SIZE, & TYPE	THICKNESS (in)		REMARKS
						WIDTH	HGHT.				FRAMED?	BRACED?	
F38	56	465+00	RT	D3-1		4.00	0.67	2.68 2.67	E/W	1-2.5in PT		0.13	I DOUBLE SIDED PANEL
				D3-1A		4.00	0.75	6.00	N/S			0.13	INSTALL 2 SIGNS BACK TO BACK
				R1-1		2.50	2.50	6.25	W			0.13	
F39	57	494+80	RT	M10-2 D10-1		0.50 0.83	0.66 2.25	0.33 3.74	N/S	1-2.5in PT		0.13	INSTALLED 2 SIGNS BACK TO BACK
F39	58	495+50	RT	R2-1		2.50	3.00	7.50	N	1-2.5in PT		0.13	
F39	59	495+50	LT	R2-1		2.50	3.00	7.50	S	1-2.5in PT		0.13	
F40	60	500+20	LT	R1-1		2.50	2.50	6.25	E	1-2.5in PT		0.13	
				D3-1		4.00	0.67	2.68 2.67	E/W			0.13	
F40	61	500+70	RT	D3-1		4.00	0.67	2.68 2.67	E/W	1-2.5in PT		0.13	I DOUBLE SIDED PANEL
				D3-1A		3.50	0.75	5.26 5.25	N/S			0.13	INSTALL 2 SIGNS BACK TO BACK
				R1-1		2.50	2.50	6.25	W			0.13	
F40	62	511+10	LT	D3-1		4.00	0.67	2.68 2.67	E/W	1-2.5in PT		0.13	I DOUBLE SIDED PANEL
				D3-1A		5.00	0.75	7.50	N/S			0.13	INSTALL 2 SIGNS BACK TO BACK
				R1-1		2.50	2.50	6.25	E			0.13	
F40	63	518+60	LT	D3-1		4.00	0.67	2.68 2.67	E/W	1-2.5in PT		0.13	I DOUBLE SIDED PANEL
				D3-1A		5.00	0.75	7.50	N/S			0.13	INSTALL 2 SIGNS BACK TO BACK
				R1-1		2.50	2.50	6.25	E			0.13	
F41	64	527+30	LT	D3-1		4.00	0.67	2.68 2.67	E/W	1-2.5in PT		0.13	I DOUBLE SIDED PANEL
				D3-1A		3.00	0.75	4.50	N/S			0.13	INSTALL 2 SIGNS BACK TO BACK
				R1-1		2.50	2.50	6.25	E			0.13	

REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	CA-0525(11)/53922	2003	J14	J32

SPECIFICATIONS: SCALE: 1"=1' COMPUTER DESIGNATION: K:\D:\projects\53922\KGB_Road\Road\KGB.ssd\dwg 03/04/2003 02:50:56 PM ASJ
 DESIGNED BY: KRW
 CHECKED BY:
 DRAFTED BY:



KENNETH M. MORTON
CE 9139
4-24-3
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

**KNIK-GOOSE BAY ROAD
REHABILITATION**

SIGN SUMMARY

SIGN SUMMARY

SHEET NO.	POST NO.	STATION	CL REF.	TYPE	LEGEND	SIZE (ft)		AREA (ft x ft)	SIGN FACES	POSTS NO., SIZE, & TYPE	THICKNESS (in)		REMARKS
						WIDTH	HGHT.				FRAMED? YES	BRACED? YES	
F41	65	537+20	RT	D3-1		4.00	0.67	2.68 2.67	E/W	1-2.5in PT		0.13	I DOUBLE SIDED PANEL
				D3-1A		4.00	0.75	6.00	N/S			0.13	INSTALL 2 SIGNS BACK TO BACK
				R1-1		2.50	2.50	6.25	W		0.13		
F41	66	541+20	RT	M10-2 D10-2		0.50 0.83	0.66 2.25	0.33 3.74	N/S	1-2.5in PT		0.13	INSTALLED SIGNS BACK TO BACK
F41	67	545+00	RT	W11-107		3.00	3.00	9.00	N	1-2.5in T		0.13	
F42	68	547+40	RT	D3-1		4.00	0.67	2.68 2.68	E/W	1-2.5in PT		0.13	I DOUBLE SIDED PANEL
				D3-1A		4.00	1.75	14.00	N/S		0.13	INSTALL 2 SIGNS BACK TO BACK	
				R1-1		2.50	2.50	6.25	W		0.13		
F43	69	573+00	LT	W11-107		3.00	3.00	9.00	S	1-2.5in T		0.13	
F43	70	588+50	LT	D3-1		4.00	0.67	2.68 2.67	E/W	1-2.5in PT		0.13	I DOUBLE SIDED PANEL
				D3-1A		3.50	0.75	5.26 5.25	N/S		0.13	INSTALL 2 SIGNS BACK TO BACK	
				R1-1		2.50	2.50	6.25	E		0.13		
F43	71	589+00	RT	D3-1		4.00	0.67	2.68 2.67	E/W	1-2.5in PT		0.13	I DOUBLE SIDED PANEL
				D3-1A		3.00 3.5	0.75	4.50 5.25	N/S		0.13	INSTALL 2 SIGNS BACK TO BACK	
				R1-1		2.50	2.50	6.25	W		0.13		
F44	72	594+50	RT	M10-2 D10-2		0.50 0.83	0.66 2.25	0.33 3.74	N/S	1-2.5in PT		0.13	INSTALLED 2 SIGNS BACK TO BACK
F44	73	597+40	LT	D3-1		4.00	0.67	2.68 2.67	E/W	1-2.5in PT		0.13	I DOUBLE SIDED PANEL
				D3-1A		4.00	0.75	6.00	N/S		0.13	INSTALL 2 SIGNS BACK TO BACK	
				R1-1		2.50	2.50	6.25	E		0.13		

REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	CA-0525(11)/53922	2003	J15	J32

DESIGNED BY: KRW
 CHECKED BY: KRW
 DRAWN BY: KRW
 DATE: 03/04/2003
 SCALE: 1"=1'
 PROJECT: KNIK GOOSE BAY ROAD REHABILITATION
 SHEET: 15 OF 32

KENNETH H. MORTON
CE 9139
4-24-3
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

**KNIK-GOOSE BAY ROAD
REHABILITATION**


SIGN SUMMARY

SIGN SUMMARY

SHEET NO.	POST NO.	STATION	CL REF.	TYPE	LEGEND	SIZE (ft)		AREA (ft x ft)	SIGN FACES	POSTS NO., SIZE, & TYPE	THICKNESS (in)		REMARKS
						WIDTH	HGHT.				FRAMED? YES	BRACED? NO	
F44	74	600+60	RT	D3-1		4.00	0.67	2.68 2.67	E/W	1-2.5in PT		0.13	I DOUBLE SIDED PANEL
				D3-1A		3.00	0.75	4.50	N/S			0.13	INSTALL 2 SIGNS BACK TO BACK
				R1-1		2.50	2.50	6.25	W		0.13		
F45	75	621+00	RT	D3-1		4.00	0.67	2.68 2.67	E/W	1-2.5in PT		0.13	I DOUBLE SIDED PANEL
				D3-1A		2.00	0.75	3.00	N/S		0.13	INSTALL 2 SIGNS BACK TO BACK	
				R1-1		2.50	2.50	6.25	W		0.13		
F45	76	627+60	RT	D3-1		4.00	0.67	2.68 2.67	E/W	1-2.5in PT		0.13	I DOUBLE SIDED PANEL
				D3-1A		4.50	0.75	6.76 6.75	N/S		0.13	INSTALL 2 SIGNS BACK TO BACK	
				R1-1		2.50	2.50	6.25	W		0.13		
F45	77	628+45	RT	W1-2L		3.00	3.00	9.00	N	1-2.5in T		0.13	
F46	78	650+10	RT	M10-2 D10-2		0.50 0.83	0.66 2.25	0.33 3.74	N/S	1-2.5in PT		0.13	INSTALLED 2 SIGNS BACK TO BACK
F46	79	651+00	LT	W1-2R		3.00	3.00	9.00	S	1-2.5in T		0.13	
		657+60	RT	I-150	ADOPT A HIGHWAY JOE REDINGTON'S KENNEL				N	1-2.5in T			REUSE EXISTING PANEL
F46	80	659+80	RT	R1-1		2.50	2.50	6.25	W	1-2.5in PT		0.13	
				D3-1		4.00	0.67	2.68 2.67	E/W		0.13		
				D3-1A		4.00	0.67	2.68 2.67	E/W	1-2.5in PT		0.13	I DOUBLE SIDED PANEL
F47	81	688+00	LT	D3-1A		3.00	0.75	4.50	N/S			0.13	INSTALL 2 SIGNS BACK TO BACK
				R1-1		2.50	2.50	6.25	E		0.13		
				D3-1		4.00	0.67	2.68 2.67	E/W	1-2.5in PT		0.13	I DOUBLE SIDED PANEL
F47	82	688+60	RT	D3-1A		4.00	0.75	6.00	N/S			0.13	INSTALL 2 SIGNS BACK TO BACK
				R1-1		2.50	2.50	6.25	W		0.13		

REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	CA-0525(11)/53922	2003	J16	J32

SPECIFICATIONS: A2K-KIM-TRAFFIC
 SCALE: 1/4"=1'-0"
 COMPUTER DESIGNATION: K:\D:\projects\matsua\53922_KGB_Road\Doc\Kgb_ssumdmg_03/14/2003_02:50:56 PM AS 11
 PLOT SCALE: 1/4"=1'-0"
 DESIGNED BY: KRW
 CHECKED BY:
 DRAFTED BY:



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

**KNİK-GOOSE BAY ROAD
REHABILITATION**

SIGN SUMMARY

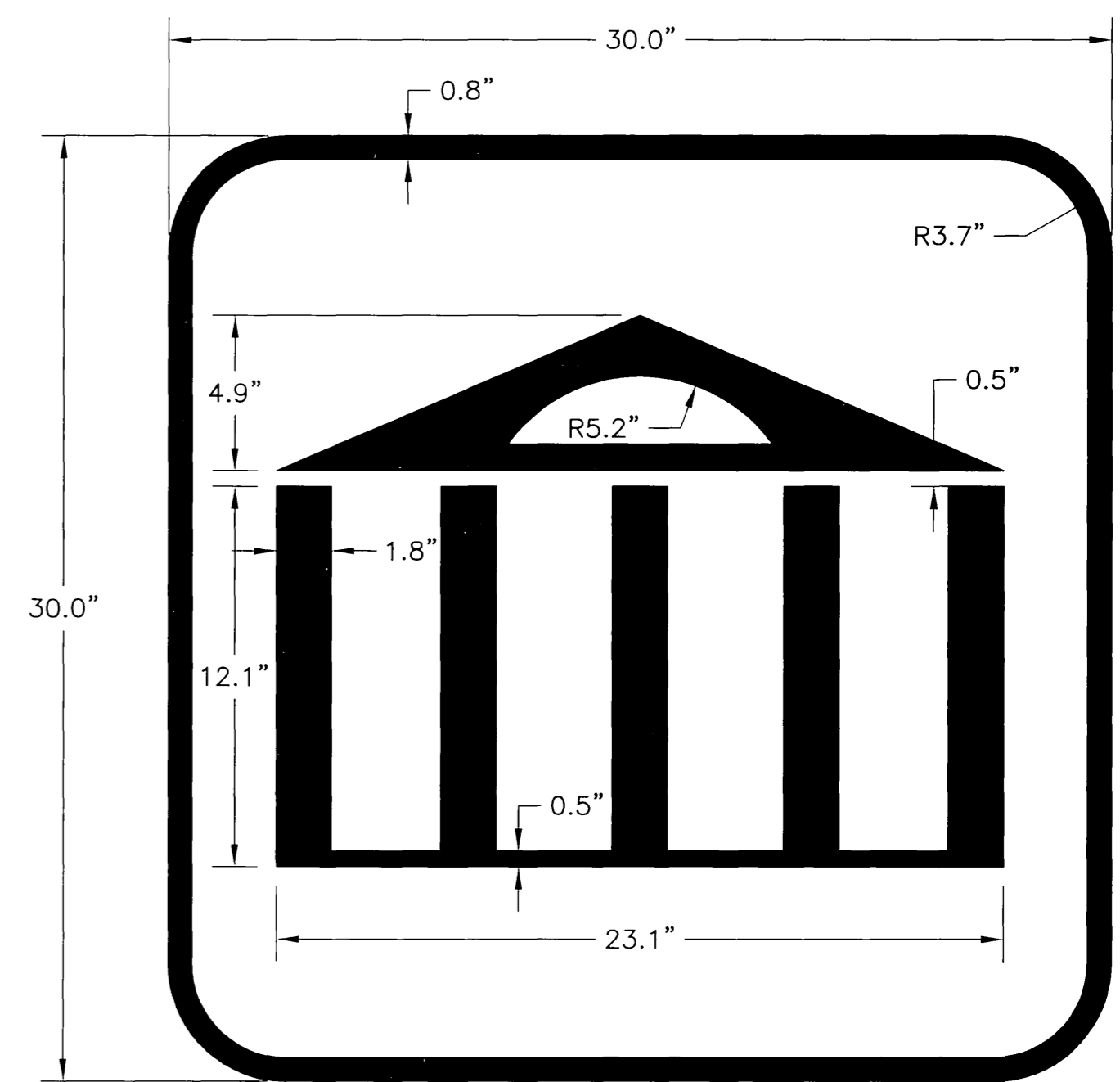
SIGN SUMMARY

SHEET NO.	POST NO.	STATION	CL REF.	TYPE	LEGEND	SIZE (ft)		AREA (ft x ft)	SIGN FACES	POSTS NO., SIZE, & TYPE	THICKNESS (in)		REMARKS
						WIDTH	HGHT.				FRAMED?	BRACED?	
		694+82	RT	I-150	ADOPT A HIGHWAY KNIK MUSEUM				N	1-2.5in T	0.13		REUSE EXISTING PANEL INSTALL ON POST #83
F48	83	697+98		M10-2 D10-2		0.50 2.25	0.66 0.83 x 2	0.33 3.74	N/S	1-2.5in PT	0.13		INSTALLED 2 SIGNS BACK TO BACK
F49	84	700+50	RT	W11-107		3.00	3.00	9.00	N	1-2.5in T	0.13		
F49	85	701+10	RT	D7-1		5.50	3.00	16.50	N	2-2.5in T	0.13		
		703+40	LT	I-150	ADOPT A HIGHWAY JOE REDINGTONS KENNEL				S	1-2.5in T	0.13		SALVAGE SIGN TO MAT-SU BOROUGH
F50	86	714+70	RT	D3-1		4.00	0.67	2.68	E/W	1-2.5in PT	0.13		I DOUBLE SIDED PANEL
				D3-1A		5.00	0.75	7.50	N/S			0.13	INSTALL 2 SIGNS BACK TO BACK
				R1-1		2.50	2.50	6.25	W			0.13	
F51	87	728+00 724+00	RT	SPECIAL		2.50	2.17 2.0	5.43 5.0	N	1-2.5in T	0.13		
						2.50 2.5	0.50	1.25 1.25				0.13	
F51	88	726+00	LT	W11-107		3.00	3.00	9.00	S	1-2.5in T	0.13		
F51	89	728+00	RT	D7-105		4.00	3.00	12.00	N	2-2.5in T	0.13		
						2.50	2.50	6.25				0.13	
						2.50	0.33 0.38	0.83 0.95				0.13	
F51	90	733+90	RT	R1-1		2.50	2.50	6.25	W			0.13	AT EXIT OF BUS TURNOUT
		734+90	RT		INTERPRETIVE SIGN				E	SEE STD DRAWING			FOUNDATION AND FRAME PROVIDED BY ADOT, SIGN PROVIDED BY DNR
		734+96	RT		INTERPRETIVE SIGN				E	SEE STD DRAWING			FOUNDATION AND FRAME PROVIDED BY ADOT, SIGN PROVIDED BY DNR
F51	91	736+00	RT	R1-1		2.50	2.50	6.25	W			0.13	AT EXIT OF BUS TURNOUT
F51	92	740+75	LT	SPECIAL		2.50	2.17	5.43	S	1-2.5in T	0.13		
						2.50 2.5	0.50	1.25 1.25				0.13	

REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	CA-0525(11)/53922	2003	J17	J32



SPECIAL SIGN DETAIL



MUSEUM SIGN DETAIL

SPECIFICATIONS: 42K-KIM-TRAFFIC
 SCALE: 1/4"=1'-0"
 COMPUTER DESIGNATION: K:\p\projects\matsa\53922\KGB_Road\Coor\Kgb_ssum.dwg 03/04/2003 02:50:56 PM JAS
 DESIGNED BY: HRW
 DRAFTED BY: HRW

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

**KNIK-GOOSE BAY ROAD
REHABILITATION**

SIGN SUMMARY

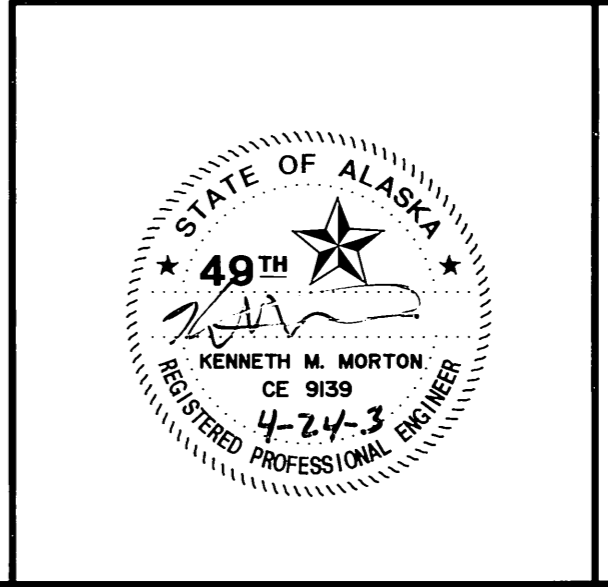
SIGN SUMMARY

SHEET NO.	POST NO.	STATION	CL REF.	TYPE	LEGEND	SIZE (ft)		AREA (ft x ft)	SIGN FACES	POSTS NO., SIZE, & TYPE	THICKNESS (in)		REMARKS
						WIDTH	HGHT.				FRAMED? BRACED?		
											YES	NO	
F51	93	741+75	LT	D7-105		4.00	3.00	12.00	N	2-2.5in T	0.13		
						2.50	2.50	6.25				0.13	
						2.50	0.33 0.38	0.83 0.95				0.13	
F51	94	743+00	LT	D7-1	ENTERING KNIK HISTORIC DISTRICT	5.50	3.00	16.50	N	2-2.5in T	0.13		
F52		744+00											
F52	95	749+00	RT	R2-1		2.50	3.00	7.50	N	1-2.5in PT	0.13		
F52	96	749+00	LT	R2-1		2.50	3.00	7.50	S	1-2.5in PT	0.13		
F52	97	752+55	RT	M10-2 D10-2		0.50 2.25	0.66 0.83 x 2	0.33 3.74	N/S	1-2.5in PT	0.13	INSTALLED 2 SIGNS BACK TO BACK	
		755+50	LT	I-150	ADOPT A HIGHWAY KNIK MUSEUM				N	1-2.5in T		REUSE EXISTING PANEL	
F52	98	757+70	RT	D3-1		4.00	0.67	2.68 2.67	E/W	1-2.5in PT	0.13	I DOUBLE SIDED PANEL	
				D3-1A		3.50	0.75	5.25	N/S			0.13	INSTALL 2 SIGNS BACK TO BACK
				R1-1		2.50	2.50	6.25	W			0.13	
F53	99	773+00	RT	RS-36		1.50	1.50	2.25	S	1-2.5in PT	0.13		
F53	100	778+25	LT	R1-1		2.50	2.50	6.25	E	1-2.5in PT	0.13	AT PARKING LOT EXIT	
F53	101	779+25	LT	R7-8		1.00	1.50	1.50	E	1-2.5in PT	0.13	IN PARKING LOT	
		779+32	LT		INTERPRETIVE SIGN				W	SEE STD DRAWING		FOUNDATION AND FRAME PROVIDED BY ADOT, SIGN PROVIDED BY DNR	
F53	102	779+50	RT	D3-1		4.00	0.67	2.68 2.67	E/W	1-2.5in PT	0.13	I DOUBLE SIDED PANEL	
				D3-1A		5.00	0.75	7.50	N/S			0.13	INSTALL 2 SIGNS BACK TO BACK
				R1-1		2.50	2.50	6.25	W			0.13	
F53	103	780+50	LT	R1-1		2.50	2.50	6.25	E	1-2.5in PT	0.13	AT PARKING LOT EXIT	
F53	104	786+00	LT	RS-36		1.50	1.50	2.25	N	1-2.5in PT	0.13		

SPECIFICATIONS: A2K-KIM-TRAFFIC
 SCALE: 1/4"=1'-0"
 COMPUTER DESIGNATION: K:\dproj\cts\matsa\53922\KGB_Road\Card\hgb_ssum.dwg 03/04/2003 02:50:56 PM AS
 PLOT SCALE: 1/4"=1'-0"
 DESIGNED BY: KRW
 CHECKED BY:
 DRAFTED BY:

REVISIONS		
No.	DATE	DESCRIPTION

PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
CA-0525(11)/53922	2003	J18	J32



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND
 PUBLIC FACILITIES

**KNIK-GOOSE BAY ROAD
 REHABILITATION**

SIGN SUMMARY

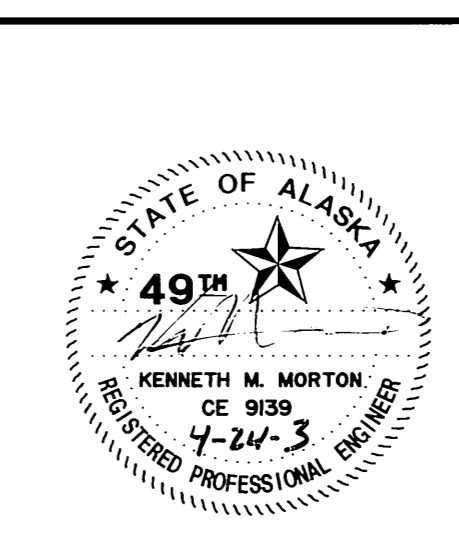
SIGN SUMMARY

SHEET NO.	POST NO.	STATION	CL REF.	TYPE	LEGEND	SIZE (ft)		AREA (ft x ft)	SIGN FACES	POSTS NO., SIZE, & TYPE	THICKNESS (in)			REMARKS
						WIDTH	HGHT.				FRAMED?	BRACED?	YES	
F54	105	794+10	RT	D3-1		4.00	0.67	2.68 2.67	E/W	1-2.5in PT		0.13		I DOUBLE SIDED PANEL
				D3-1A		4.50	0.75	6.76 6.75	N/S				0.13	INSTALL 2 SIGNS BACK TO BACK
				R1-1		2.50	2.50	6.25	W				0.13	
F54	106	808+30	RT	M10-2 D10-2		0.50 0.83	0.66 2.25	0.33 3.74	N/S	1-2.5in PT		0.13		INSTALL 2 SIGNS BACK TO BACK
F53	107	823+00	RT	W1-4R		3.00	3.00	9.00	N	1-2.5in T		0.13		
F57	108	861+50	RT	M10-2 D10-2		0.50 0.83	0.66 2.25	0.33 3.74	N/S	1-2.5in PT		0.13		INSTALLED 2 SIGNS BACK TO BACK
F57	109	861+80	RT	R1-1		2.50	2.50	6.25	W	1-2.5in PT		0.13		
F57	110	862+00	LT	W1-4R		3.00	3.00	9.00	S	1-2.5in T		0.13		
F57	111	863+60	RT	I-3		3.50	2.50	8.75	N	1-2.5in PT		0.13		
F57	112	866+50	LT	I-3		3.50	2.50	8.75	S	1-2.5in PT		0.13		
F57	113	868+30	RT	R1-1		2.50	2.50	6.25	W	1-2.5in PT		0.13		INSTALLED, THEN REMOVED, NOT A PUBLIC APPROACH
F58	114	893+60	RT	W1-2R		3.00	3.00	9.00	N	1-2.5in T		0.13		
F59	115	901+50	LT	D3-1		4.00	0.67	2.68 2.67	E/W	1-2.5in PT		0.13		I DOUBLE SIDED PANEL
				D3-1A		5.00	0.75	7.50	N/S				0.13	INSTALL 2 SIGNS BACK TO BACK
				R1-1		2.50	2.50	6.25	E				0.13	
F59	116	911+70	LT	W1-2L		3.00	3.00	9.00	S	1-2.5in T		0.13		
F59	117	915+00	RT	M10-2 D10-2		0.50 2.25	0.66 0.83 x 2	0.33 3.74	N/S	1-2.5in PT		0.13		INSTALLED 2 SIGNS BACK TO BACK
F59	118	915+40	RT	D1-1A		12.50 12.00	2.00	25.00 24.00	N	2-2.5in T	0.13			CORRECTED SPELLING

REVISIONS		
No.	DATE	DESCRIPTION

PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
CA-0525(11)/53922	2003	J19	J32

SPECIFICATIONS: AK-KM-TM-FIC
 SCALE: 1"=40'
 COMPUTER DESIGNATION: K:\p\projects\metsu\53922_KGB_Road\Cacl\gdb_ssum.dwg 03/14/2003 08:50:56 PM AS
 DESIGNED BY: KRW
 CHECKED BY: KRW
 DRAWN BY: KRW



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND
 PUBLIC FACILITIES
**KNIK-GOOSE BAY ROAD
 REHABILITATION**

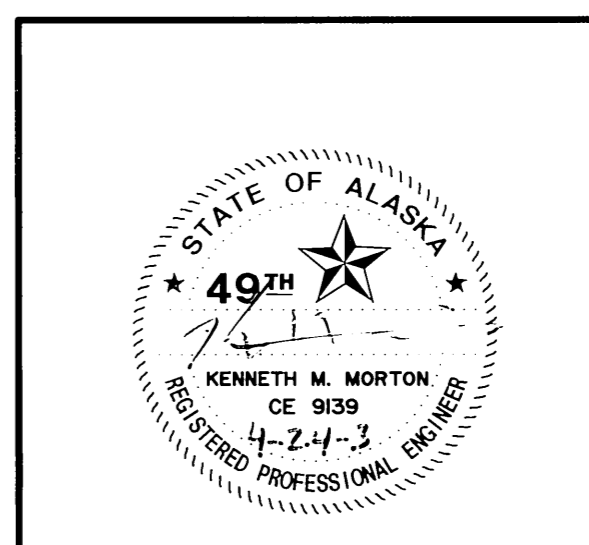
 SIGN SUMMARY

SIGN SUMMARY

SHEET NO.	POST NO.	STATION	CL REF.	TYPE	LEGEND	SIZE (ft)		AREA (ft x ft)	SIGN FACES	POSTS NO., SIZE, & TYPE	THICKNESS (in)			REMARKS
						WIDTH	HGHT.				FRAMED?	NO	BRACED? YES	
F59	119	917+60	RT	D7-1	Susitna Flats State Game Refuge 12 Miles →	5.00	3.00	15.00	N	2-3in T	0.13			
				R7-RM-010	RAMP	2.00	2.00	4.00	N		0.13			
				D7-RW-080	RAMP	2.00	2.00	4.00	N		0.13			
					POINT MCKENZIE FARM DEPT OF CORRECTIONS				N					REMOVE
F59	120	918+00	LT	R2-1	SPEED LIMIT 55	2.00 2.5	3.00	6.00 7.5	S	1-2.5in PT	0.13			
F60	121	920+80	LT	W1-7	← →	1.21 1.5	2.00 3.00	2.42 4.50	W	1-2.5in PT	0.13			
F60	122	921+80	RT	D3-1	s KNIK GOOSE BAY rd	4.00	0.67	2.68 2.67	E/W	1-2.5in PT	0.13			I DOUBLE SIDED PANEL
				D3-1A	w POINT MACKENZIE rd	4.00	1.58	12.64	N/S			0.13		INSTALL 2 SIGNS BACK TO BACK
				R1-1	STOP	2.50	2.50	6.25	W		0.13			
F60	123	922+40	LT	D3-1	s KNIK GOOSE BAY rd	4.00	0.67	2.68 2.67	E/W	1-2.5in PT	0.13			I DOUBLE SIDED PANEL
				D3-1A	s ROSEBERRY LP	4.50	0.75	6.76 6.75	N/S			0.13		INSTALL 2 SIGNS BACK TO BACK
				R1-1	STOP	2.50	2.50	6.25	E		0.13			
F60	124	924+00	RT	R2-1	SPEED LIMIT 55	2.00 2.50	3.00	6.00 7.50	N	1-2.5in PT	0.13			
F60	125	932+40	LT	D3-1	s KNIK GOOSE BAY rd	4.00	0.67	2.68	E/W	1-2.5in PT	0.13			I DOUBLE SIDED PANEL
				D3-1A	s ROSEBERRY LP	4.00 4.5	0.75	6.00 6.75	N/S			0.13		INSTALL 2 SIGNS BACK TO BACK
				R1-1	STOP	2.50	2.50	6.25	E		0.13			
F62	126	968+35	RT	M10-2 D10-2	1 1	0.50 0.83	0.66 2.25	0.33 1.87	N/S	1-2.5in PT	0.13			INSTALLED 2 SIGNS BACK TO BACK
		980+50	RT	W8-3	PAVEMENT ENDS				N					REMOVE 10/25/04
		998+30	RT	R2-1	35				N					REMOVE 10/25/04
F63	127	998+30 997+00	RT	R2-1	SPEED LIMIT 55	2.00 2.50	3.00	6.00 7.50	N	1-2.5in PT	0.13			
F63	128	998+30 996+80	LT	R2-1	SPEED LIMIT 55	2.00 2.50	3.00	6.00 7.50	S	1-2.5in PT	0.13			
F64	129	1020+06 1018+80	RT	M10-2 D10-2	1 1	0.50 0.83	0.66 2.25	0.33 3.74	N/S		0.13			INSTALLED 2 SIGNS BACK TO BACK

REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	CA-0525(11)/53922	2003	J20	J32

DESIGNATED BY: KMK-KUN-TRM-FIC
 SCALE: 1"=40'-0" (VERTICAL)
 SCALE: 1"=40'-0" (HORIZONTAL)
 PLOT SCALE: 1/4"
 DESIGNED BY: KMK
 CHECKED BY: KMK
 DRAWN BY: KMK
 DATE: 03/04/2003 09:50:56 PM AS
 PROJECT: K:\Projects\11\11015\11015.dwg




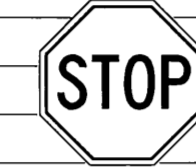



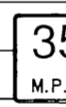



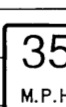


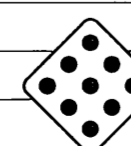


STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND
 PUBLIC FACILITIES

**KNIK-GOOSE BAY ROAD
 REHABILITATION**

SIGN SUMMARY

SIGN SUMMARY

SHEET NO.	POST NO.	STATION	CL REF.	TYPE	LEGEND	SIZE (ft)		AREA (ft x ft)	SIGN FACES	POSTS NO., SIZE, & TYPE	THICKNESS (in)			REMARKS
						WIDTH	HGHT.				FRAMED?	BRACED?	YES	
		1032+50	RT		END MAINTENANCE 1000 FT				N					REMOVE
F65	130	1040+80	RT	D1-2		7.50	2.00	15.00	N	2-2.5in T	0.13			
F65	131	1042+35	RT	W14-2C		2.50	2.50	6.25	N	1-2.5in PT	0.13			NEW SIGN
F65	132	1043+80	RT	D3-1		4.00	0.67	2.68	E/W	1-2.5in PT	0.13			I DOUBLE SIDED PANEL
				R1-1		2.50	2.50	6.25	W		0.13			NEW SIGN
		1043+70	LT		STOP				S					REMOVE
		1043+75	LT		CHEVRON				W					REMOVE
		1044+00	RT		END				N					REMOVE
					NO ROAD MAINTENANCE				N					REMOVE
F65	133	1047+35	RT	W14-2B		2.50	2.50	6.25	N	1-2.5in PT	0.13			NEW SIGN
F65	134	1049+00	RT	R16-2		4.00	2.00	8.00	N	1-2.5in PT				
F65	135	1051+00	RT	W1-2L		2.50	2.50	6.25	N	1-2.5in T	0.13			
				W13-1		2.00	2.00	4.00			0.13			
F65	136	1055+10	RT	I-3		5.50	2.50	13.75	N	2-2.5in T	0.13			
F65	137	1056+25	RT			3.00	2.00	6.00	N	1-2.5in T	0.13			
F65	138	1056+90	LT	W1-2R		2.50	2.50	6.25	S	1-2.5in T	0.13			NEW SIGN POSITION
				W13-1		2.00	2.00	4.00						
F65	139	1057+00	RT	R11-5		2.50	1.50	3.75	N	1-2.5in PT	0.13			NEW SIGN
F65	140	1057+35	RT	W14-2A		2.50	2.50	6.25	N	1-2.5in T	0.13			NEW SIGN POSITION
				OM-4		1.50	1.50	2.25			0.13			NEW SIGN POSITION

REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	CA-0525(11)/53922	2003	J21	J32



SIGN DETAIL

SPECIFICATIONS SCALE: 1/4"=1'-0"
 COMPUTER DESIGNATION
 424-KIM-TWFFIC
 K:\projects\yml\tsu\53922\KGB_Road\Cad\Kgb_issunatwg_03/04/2003_02:50:56 PM AS
 DESIGNED BY
 CHECKED BY
 DRAFTED BY
 RW



KENNETH M. MORTON
CE 9139
4-14-93
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

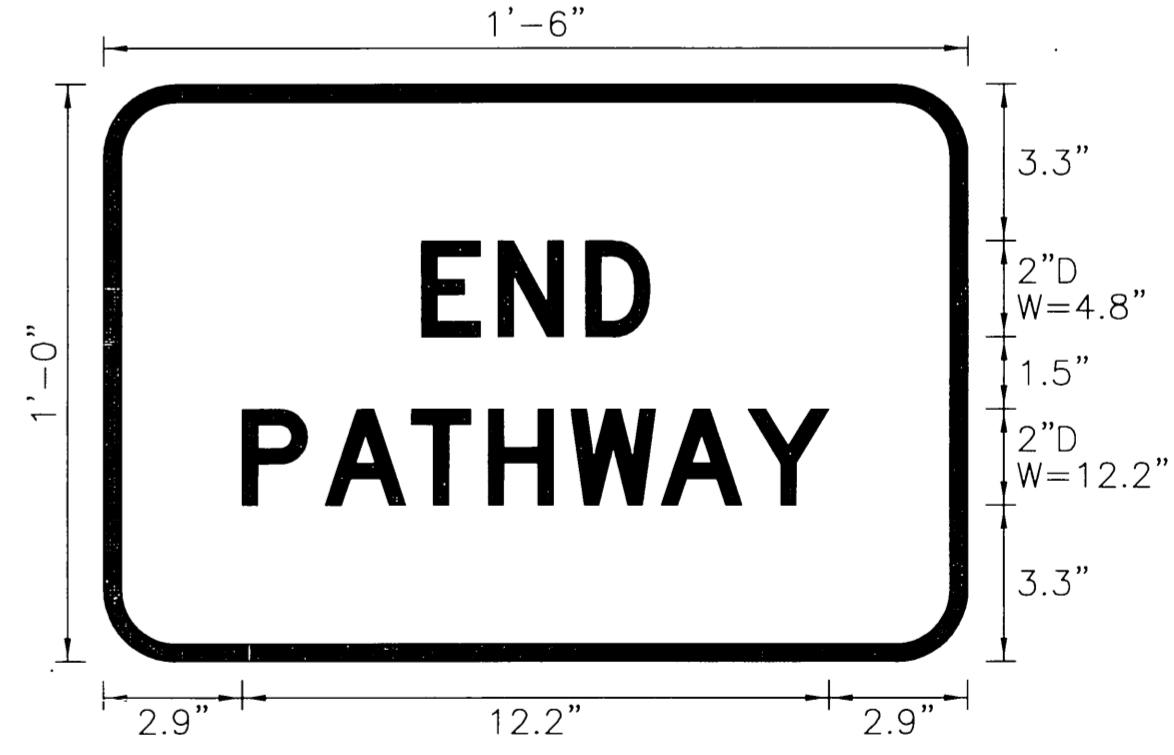
**KNIK-GOOSE BAY ROAD
REHABILITATION**

SIGN SUMMARY

SIGN SUMMARY

SHEET NO.	POST NO.	STATION	CL REF.	TYPE	LEGEND	SIZE (ft)		AREA (ft x ft)	SIGN FACES	POSTS NO., SIZE, & TYPE	THICKNESS (in)			REMARKS
						WIDTH	HGHT.				FRAMED?	BRACED?	YES	
F2	141	PTH 1502+56	RT		BEGIN PATHWAY	1.50	1.00	1.50	N	1-2.5inPT		0.13		
				R5-3	NO MOTOR VEHICLES	2.00	2.00	4.00				0.13		
F2	142	PTH 1502+93-1502+56	LT-RT	R1-1	STOP	1.50	1.50	2.25	S	1-2.5inPT		0.13	INSTALL THESE SIGNS ON BACK OF POST # 141 HOLD "NB TO SHLDR" UNTIL PARKS PATH IS BUILT	
					END PATHWAY	1.50	1.00	1.50				0.13		
					NORTHBOUND CROSS TO SHOULDER	1.50	2.00	3.00				0.13		
F37	143	PTH 2395+40	LT		BEGIN PATHWAY	1.50	1.00	1.50	S	1-2.5inPT		0.13		
				R5-3	NO MOTOR VEHICLES	2.00	2.00	4.00				0.13		
F37	144	PTH 2395+40	RT	R1-1	STOP	1.50	1.50	2.25	N	1-2.5inPT		0.13		
					END PATHWAY	1.50	1.00	1.50				0.13		
F57	145	PTH 4000+00	RT		BEGIN PATHWAY	1.50	1.00	1.50	N	1-2.5inPT		0.13		
				R5-3	NO MOTOR VEHICLES	2.00	2.00	4.00				0.13	INSTALLED, THEN REMOVED PER PE 4 WHEELERS USE PATHWAY TO CROSS FISH CREEK.	
F57	146	PTH 4000+00	LT	R1-1	STOP	1.50	1.50	2.25	S	1-2.5inPT		0.13		
					END PATHWAY	1.50	1.00	1.50				0.13		
					NORTHBOUND CROSS TO SHOULDER	1.50	2.00	3.00				0.13	INSTALLED, THEN REMOVED PER P.E.	
F57	147	PTH 4003+83	LT		BEGIN PATHWAY	1.50	1.00	1.50	S	1-2.5inPT		0.13		
				R5-3	NO MOTOR VEHICLES	2.00	2.00	4.00				0.13	INSTALLED, THEN REMOVED PER P.E. 4 WHEELERS USE PATHWAY TO CROSS FISH CREEK.	
F57	148	PTH 4003+83	RT	R1-1	STOP	1.50	1.50	2.25	N	1-2.5inPT		0.13		
					END PATHWAY	1.50	1.00	1.50				0.13		

REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	CA-0525(11)/53922	2003	J22	J32



PATHWAY SIGN DETAILS

SPECIFICATIONS: ASK-KIM-TRAFFIC
 SCALE: 1"=1'
 COMPUTER DESIGNATION: K:\ADP\PROJECTS\NIBTS\53922\KGB\Road\CA05\Kgb_ssum.dwg 03/04/2003 09:50:56 PM ASK
 PLOT SCALE: 1"=1'
 DESIGNED BY: KRW
 CHECKED BY:
 DRAFTED BY:

STATE OF ALASKA
49th
KENNETH M. MORTON
CE 9139
4-24-03
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

**KNIK-GOOSE BAY ROAD
REHABILITATION**

SIGN SUMMARY

NOTE:

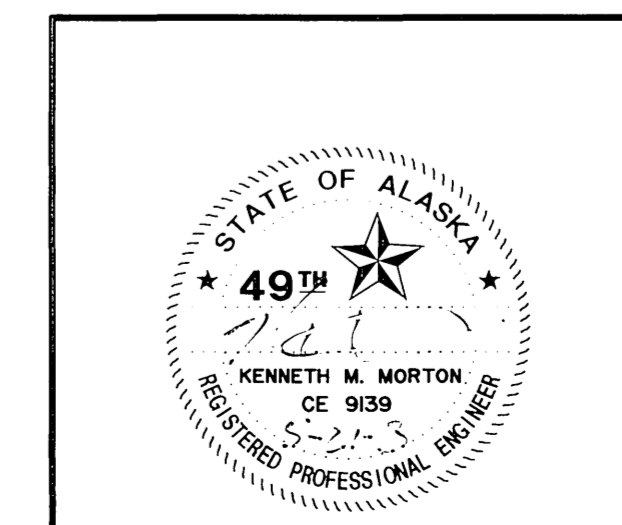
THESE SIGNS WERE ADDED TO THE PROJECT LATE IN THE PROCESS AND DO NOT APPEAR ON THE "F" SHEETS.

REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	CA-0525(11)/53922	2003	J22A	J32
①	5/21/03	ADDED SHEET				
ADDENDUM #1, ATTACHMENT #1						

SIGN SUMMARY

SHEET NO.	POST NO.	STATION	CL REF.	TYPE	LEGEND	SIZE (ft)		AREA (ft x ft)	SIGN FACES	POSTS NO., SIZE, & TYPE	THICKNESS (in)			REMARKS
						WIDTH	HGHT.				FRAMED?	NO	BRACED?	
F4	0A	45+00 +/-	RT	R3-8L/S/R		4.00	2.50	10.00	N	1-2.5inT		0.13		PLACE SIGN AT THE POINT WHERE 3 SOUTH BOUND LANES REACH FULL WIDTH
F4	0B	48+20	RT	R3-8L/S/R		4.00	2.50	10.00	N	1-2.5inT		0.13		
F4	0C	49+73	RT	R3-5R		2.50	3.00	7.50	N	1-2.5inT	0.13			MOUNT ON MAST ARM IN LINE WITH RIGHT TURN LANE PER ENGINEER'S DISCRETION
F5	1A	60+50	RT	D3-2		13.00	2.00	26.00	N	3-3inT		0.13		
F5	1B	64+03	RT	R3-7R		3.00	3.00	9.00	N	1-2.5inT	0.13			NOT INSTALLED, INSUFIENT LANE LENGTH & CONFLICTS TO INSTALL THIS SIGN.
F5	1C	65+04	RT	R3-7R		3.00	3.00	9.00	N	1-2.5inT	0.13			
F6	3A	70+50	LT	D3-2		13.00	2.00	26.00	S	3-3inT		0.13		
F10	8A	121+00	RT	D3-2		11.00	2.00	22.00	N	2-3inT		0.13		
F10	8B	124+96	RT	R3-7R		3.00	3.00	9.00	N	1-2.5inT	0.13			
F10	10A	128+00	RT	R3-7R		3.00	3.00	9.00	N	1-2.5inT	0.13			
F11	12A	135+00	LT	D3-2		11.00	2.00	22.00	S	2-3inT		0.13		
F19	25A	234+40	RT	D3-2		9.00	2.00	18.00	N	2-3inT		0.13		
F20	25B	237+37	RT	R3-7R		3.00	3.00	9.00	N	1-2.5inT	0.13			
F20	25C	241+50	RT	R3-7R		3.00	3.00	9.00	N	1-2.5inT	0.13			
F21	27A	248+00	LT	D3-2		9.00	2.00	18.00	S	2-3inT		0.13		
F30	38A	361+00	RT	D3-2		8.50 8.00	2.00	17.00 16.00	N	2-3inT		0.13		

DESIGNED BY: [blank] CHECKED BY: [blank] DRAWN BY: [blank]
 PLOT SCALE: 1"=100' FILE: 0233333.PM.A1
 DATE: 05/20/2003 02:33:33 PM
 PROJECT: KNIK-GOOSE BAY ROAD REHABILITATION



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND
 PUBLIC FACILITIES
**KNIK-GOOSE BAY ROAD
 REHABILITATION**
 SIGN SUMMARY

SIGN SUMMARY

SHEET NO.	POST NO.	STATION	CL REF.	TYPE	LEGEND	SIZE (ft)		AREA (ft x ft)	SIGN FACES	POSTS NO., SIZE, & TYPE	THICKNESS (in)			REMARKS
						WIDTH	HGHT.				FRAMED?		BRACED?	
											YES	NO		
F30	38B	364+30	RT	R3-7R	RIGHT LANE MUST TURN RIGHT	3.00	3.00	9.00	N	1-2.5inT	0.13			
F31	38C	368+00	RT	R3-7R	RIGHT LANE MUST TURN RIGHT	3.00	3.00	9.00	N	1-2.5inT	0.13			
F32	41A	379+00	LT	D3-2	← S Vine Rd	8.50 8.00	2.00	47.00 16.00	S	2-3inT		0.13		
F36	51A	428+00	RT	D3-2	← S Settler's Bay Dr	13.00	2.00	26.00	N	3-3inT		0.13		
F37	55A	443+00	LT	D3-2	S Settler's Bay Dr →	13.00	2.00	26.00	S	3-3inT		0.13		

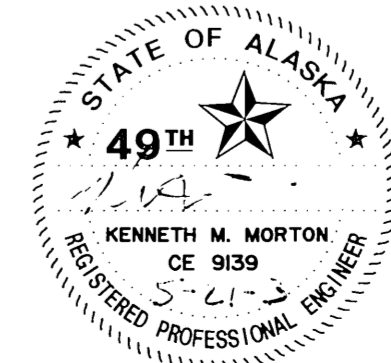
REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	CA-0525(11)/53922	2003	J22B	J32
①	5/21/03	ADDED SHEET	ADDENDUM #1, ATTACHMENT #1			

SPECIFICATIONS: 1" = 100' DESIGNATION: KNIK-GOOSE BAY ROAD REHABILITATION
 SCALE: 1" = 100' COMPUTER GENERATED
 ARK-KIM-TRAFIC
 K:\P\01\53922\53922_KGB_Road\Cal\Kbb_ssum.smg - 05/20/2003 02:33:33 PM AD
 DESIGNED BY: KRW
 CHECKED BY: KRW
 DRAWN BY: KRW

11+25	RT.	R8-8	DO NOT STOP ON TRACKS	3.00	4.00	12.00	N	EXISTING
11+40	LT	R8-8	DO NOT STOP ON TRACKS	3.00	4.00	12.00	S	EXISTING
31+00	LT.	W13-1	35 MPH	2.00	2.00	4.00	S	
41+00	RT.	SPECIAL	BURMA LANDING 28 MILES	6.00	4.00	24.00	N	
679+00	RT.	"	JOE REDDINGTON SR. MEMORIAL TRAIL	7.00	2.50	17.50	N	

DIRECTIVE G

NO MOTORIZED VEHICLES	SIGNS ADDED	R5-3	NO MOTORIZED VEHICLES								
1538+45	RT.			2	2	4	N	PST		RILEY ST.	
2000+38	RT			2	2	4	N	PST		RILEY ST.	
2015+15	RT.			2	2	4	N	BACK TO BACK SPEED LIMIT		E.FRANK SMITH	
2016+70	RT.			2	2	4	S	LUM. POLE		E.FRANK SMITH	
2078+00	RT.			2	2	4	N	BACK TO BACK RT TURN LANE		ENDEAVOR	
2080+65	RT.			2	2	4	S	LUM. POLE		ENDEAVOR	
2090+00	RT.			2	2	4	N	PST		MINNETONKA	
2092+25	RT.			2	2	4	S	PST		MINNETONKA	
2117+00	RT.			2	2	4	N	PST		LAKEWOOD	
2118+55	RT.			2	2	4	S	LUM. POLE		LAKEWOOD	
2163+50	RT.			2	2	4	N	PST		MACK	
2164+80	RT.			2	2	4	S	PST		MACK	
2224+60	RT.			2	2	4	N	PST		DONOVAN	
2226+00	RT.			2	2	4	S	PST		DONOVAN	
2262+40	RT.			2	2	4	N	BACK TO BACK CURVE		S.FOOTHILLS	
2264+50	RT.			2	2	4	S	PST		S.FOOTHILLS	
2320+10	RT.			2	2	4	N	BACK TO BACK RT. TURN LANE		VINE	
2322+50	RT.			2	2	4	S	LUM. POLE		VINE	
2347+00	RT.			2	2	4	N	PST		SUNSET	
2348+30	RT.			2	2	4	S	PST		SUNSET	
2368+25	RT.			2	2	4	N	PST		WELLINGTON	
2369+20	RT.			2	2	4	S	PST		WELLINGTON	



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND
 PUBLIC FACILITIES
**KNIK-GOOSE BAY ROAD
 REHABILITATION**

 SIGN SUMMARY

REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	CA-0525(11)/53922	2003	J23	J32

LUMINAIRE, LAMP AND BALLAST REPLACEMENT SUMMARY

NUMBER	STATION	REF EDGE OF TRAVELED WAY	LAMP TYPE	BALLAST VOLTAGE	WATTS	LIGHT DISTRIBUTION TYPE
LAKEWOOD DR.						
1	166+93	LT	HIGH PRESS SODIUM	240	250	MC 3
2	168+43	RT	HIGH PRESS SODIUM	240	250	MC 3
FAIRVIEW LOOP						
3	220+93	LT	HIGH PRESS SODIUM	240	400	MC 3
4	222+83	RT	HIGH PRESS SODIUM	240	400	MC 3
5	224+73	LT	HIGH PRESS SODIUM	240	400	MC 3
6	228+53	LT	HIGH PRESS SODIUM	240	400	MC 3
7	230+43	RT	HIGH PRESS SODIUM	240	400	MC 3
8	232+33	LT	HIGH PRESS SODIUM	240	400	MC 3

ILLUMINATION NOTES

1. INSTALL ALL NEW LUMINAIRES WHICH PROVIDE ANSI-IES MEDIUM CUT-OFF TYPE 3 LIGHT DISTRIBUTIONS. FURNISH THESE LUMINAIRES WITH NEW HIGH PRESSURE SODIUM LAMPS AND MAGNETIC REGULATOR BALLASTS.
2. FURNISH LUMINAIRES THAT PROVIDE THE UNIFORMITY SPECIFIED (OR BETTER) IN THE ARRANGEMENTS LISTED ON THE PLANS. USE A LIGHTING PROGRAM THAT CALCULATES ILLUMINATION LEVELS ACCORDING TO THE AMERICAN NATIONAL STANDARD PRACTICE FOR ROADWAY LIGHTING, A.N.S.I./I.E.S. RP-8, DATED 2000 FURNISH THE ENGINEER WITH THE MANUFACTURER'S CURRENT ELECTRONIC PHOTOMETRIC DATA IN ILLUMINATING ENGINEERING SOCIETY (I.E.S.) FORMAT TO VERIFY ILLUMINATING LEVELS AND UNIFORMITY RATIOS.

GENERAL NOTE FOR LOAD CENTER, JUNCTION BOX AND ELECTROLIER LOCATIONS:

STAKE FOR THE ENGINEER'S APPROVAL ALL PLAN LOCATIONS FOR JUNCTION BOXES, ELECTROLIERS AND LOAD CENTERS. THESE IMPROVEMENTS MAY BE RELOCATED DUE TO DRAINAGE OR UTILITY CONSIDERATIONS.

LUMINAIRE SUMMARY

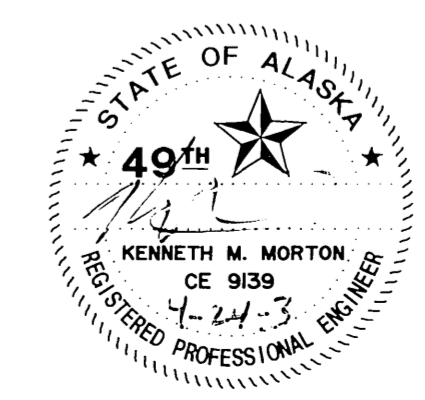
LOCATION	LAMP TYPE	BALLAST VOLTAGE	WATTS	LIGHT DISTRIBUTION TYPE	PHOTOELECTRIC CONTROL OPTION FOR LUMINAIRE
S. CLAPP RD.	HIGH PRESSURE SODIUM	240	250	MC 3	NO
W. EDLUND RD.	HIGH PRESSURE SODIUM	240	250	MC 3	YES
S. ENDEAVOR ST.	HIGH PRESSURE SODIUM	240	250	MC 3	NO
W. FAIRVIEW LP.	HIGH PRESSURE SODIUM	240	400	MC 3	NO
S. LAKEWOOD DR.	HIGH PRESSURE SODIUM	240	250	MC 3	NO
S. SETTLER'S BAY DR.	HIGH PRESSURE SODIUM	240	250	MC 3	NO
S. VINE RD.	HIGH PRESSURE SODIUM	240	250	MC 3	NO

**400 W LUMINAIRES
THE ISOFOOTCANDLE CURVES.
DESIGN CRITERIA FOR LUMINAIRES AT FAIRVIEW LOOP**

**250 W LUMINAIRES
THE ISOFOOTCANDLE CURVES. DESIGN CRITERIA FOR LUMINAIRES
AT ENDEAVOR, EDLUND, SETTLER'S BAY, VINE , LAKEWOOD AND CLAPP RD.'S**

LUMINAIRE TYPE	COBRA HEAD	LUMINAIRE TYPE	COBRA HEAD
LIGHT DISTRIBUTION	MEDIUM CUT-OFF TYPE 3	LIGHT DISTRIBUTION	MEDIUM CUT-OFF TYPE 3
ARRANGEMENT	ALTERNATE	ARRANGEMENT	ALTERNATE
NUMBER OF LANES	3	NUMBER OF LANES	3
LANE WIDTH	12 FT	LANE WIDTH	12 FT
MEDIAN WIDTH	4 FT	MEDIAN WIDTH	0 FT
MOUNTING HEIGHT	40 FT	MOUNTING HEIGHT	44 FT
SPACING ON SAME SIDE	380 FT	SPACING ON SAME SIDE	260 FT
LUMINAIRE OVERHANG	-1 FT	LUMINAIRE OVERHANG	0 FT
UNIFORMITY RATIO (AVE/MIN)	2:1	UNIFORMITY RATIO (AVE/MIN)	2:1
VEILING LUMINANCE RATIO	0.25	VEILING LUMINANCE RATIO	0.15
MIN AVE INITIAL ILLUMINANCE (FC)	2.1	MIN AVE INITIAL ILLUMINANCE (FC)	1.6

SPECIFICATIONS: SCALE: 1"=1' COMPUTER DESIGNATION: ARK-KIM-TRAFFIC K:\Projects\Nats\53922 KGB Road\Cad\Kgb_ssum.dwg 03/04/2003 02:50:56 PM AS3
 DESIGNED BY: KRW CHECKED BY: DRAFTED BY:



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES
**KNIK-GOOSE BAY ROAD
REHABILITATION**

LUMINAIRE SUMMARIES

REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	CA-0525(11)/53922	2003	J24	J32
①	5/21/03	ADDED LINE				
②	5/21/03	MODIFIED NOTE				
			ADDENDUM #1, ATTACHMENT #1			

LOAD CENTER SUMMARY

ROAD	STATION	OFFSET (ft)	TYPE	REMARKS
① E FRANK SMITH WAY	66+60	70 RT	TYPE 2	NEW
S ENDEAVOR ST	128+83	96 RT	TYPE 2	NEW
W. EDLUND RD.	145+89	65 LT	TYPE 3	REUSE EXISTING
S. CLAPP RD.	243+00	97 RT	TYPE 2	NEW
S. VINE RD.	370+87	51 RT	TYPE 2	REUSE EXISTING
S. SETTLER'S BAY DR.	436+64	97 LT	TYPE 2	NEW

NEW ELECTROLIER SUMMARY *

INTERSECTING ROAD	STATION	OFFSET (ft)	MAST ARM LENGTH (ft)	SHAFT LENGTH (ft)	COUPLING	FOUNDATION	REMARKS
① E FRANK SMITH WAY	65+13	43 LT	22	40	FRANGIBLE	NEW FOUNDATION	
	66+02	40 RT	22	40	FRANGIBLE	NEW FOUNDATION	
S. ENDEAVOR ST	128+81	34 LT	22	40	FRANGIBLE	NEW FOUNDATION	
	130+16	40 RT	22	40	FRANGIBLE	NEW FOUNDATION	
W. EDLUND RD	145+46	34 LT	22	40	FRANGIBLE	NEW FOUNDATION	
	146+91	48 RT	22	40	FRANGIBLE	NEW FOUNDATION	
W FARVIEW LOOP	226+64	44 RT	15	38	FRANGIBLE	NEW FOUNDATION	SEE NOTE ON J-4
S. CLAPP RD.	241+84	34 LT	22	40	FRANGIBLE	NEW FOUNDATION	
	243+10	40 RT	22	40	FRANGIBLE	NEW FOUNDATION	
S. VINE RD.	368+94	48 LT	22	40	FRANGIBLE	NEW FOUNDATION	
	370+24	40 RT	22	40	FRANGIBLE	NEW FOUNDATION	
S. SETTLER'S BAY DR.	436+89	48 LT	22	40	FRANGIBLE	NEW FOUNDATION	
	438+19	34 RT	22	40	FRANGIBLE	NEW FOUNDATION	

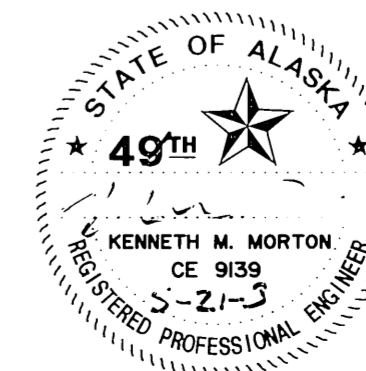
* INITIALLY STAKE JUNCTION BOX LOCATIONS 6' FROM EDGE OF PAVEMENT OR ONE FOOT FROM EDGE OF PATHWAY, TO KEEP OUT OF DITCH BOTTOMS. ENGINEER TO APPROVE FINAL LOCATIONS.

ELECTROLIER REMOVAL SUMMARY **

ROAD	STATION	OFFSET (ft)	REMARKS
W. EDLUND RD.	145+41	30 LT	
	146+92	31 RT	
W. FAIRVEIW LOOP	226+64	44 RT	
S. VINE RD.	369+31	30 LT	
	370+96	33 RT	

② ** REMOVE CABLING, JUNCTION BOXES AND OBLITERATE FOUNDATIONS ASSOCIATED WITH EXISTING LIGHTING SYSTEMS AT THESE LOCATIONS.

SPECIFICATIONS: KNIK-TRAFFIC
 SCALE: 1"=100'
 COMPUTER DESIGNATION: K:\PROJECTS\53922\KGB Road\G01\KGB ssum.dwg 05/20/2003 02:33:33 PM AJJ
 DESIGNED BY: KRW
 CHECKED BY:
 DRAWN BY:



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND
 PUBLIC FACILITIES
**KNIK-GOOSE BAY ROAD
 REHABILITATION**
 ELECTROLIER AND LOAD CENTER
 SUMMARIES

REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	CA-0525(11)/53922	2003	J25	J32
①	5/21/03	ADDED SUMMARY				
			ADDENDUM #1, ATTACHMENT #1			

① Summary of Load Center: A

Load center type:	2 (NEW)		
Location Data:	E. FRANK SMITH WAY		
Load center:	70.0 feet right of station	66+60	
Power source:	99.0 feet right of station	96+64	
Photoelectric control:	Install on load center cabinet 69+64		
Service voltage:	1 phase, 3 wire, 120/240 volts AC with grounded neutral		
Provide meter socket?	Yes		
Main Breaker A:	240 volt, 2 pole,	100 amperes	
Contactore :	600 volt, 6 pole,	20 amperes	
Panel A			
Circuit Number	Description	KVA Load	Breaker Amps Poles
A1	Photoelectric control	0.1	20 2
A2	Luminaires 1 and 2	0.7	20 2
A3	Spare		20 2
A4			

Summary of Load Center: B

Load center type:	2 (NEW)		
Location Data:	S. ENDEAVOR RD.		
Load center:	98.0 feet right of station	128+83	
Power source:	99.0 feet right of station	128+83	
Photoelectric control:	Install on load center cabinet		
Service voltage:	1 phase, 3 wire, 120/240 volts AC with grounded neutral		
Provide meter socket?	Yes		
Main Breaker A:	240 volt, 2 pole,	100 amperes	
Contactore :	600 volt, 6 pole,	30 amperes	
Panel A			
Circuit Number	Description	KVA Load	Breaker Amps Poles
A1	Photoelectric control	0.1	20 2
A2	Luminaires 1 and 2	0.7	20 2
A3	Spare		20 2
A4			

Summary of Load Center: C

Load center type:	3 (EXISTING)		
Location Data:	W. EDLUND RD.		
Load center:	65.0 feet left of station	145+89	
Power source:	at load center		
Photoelectric control:	N/A		
Service voltage:	1 phase, 3 wire, 120/240 volts AC with grounded neutral		
Provide meter socket?	Yes		
Main Breaker A:	240 volt, 4 pole,	100 amperes	
Contactore :	N/A		
Panel A			
Circuit Number	Description	KVA Load	Breaker Amps Poles
B1	Luminaires 1 and 2	0.7	20 2
B2	Spare		20 2
B3			
B4			

Summary of Load Center: D

Load center type:	2 (NEW)		
Location Data:	S. CLAPP RD.		
Load center:	98.0 feet right of station	243+00	
Power source:	124.0 feet right of station	243+01	
Photoelectric control:	Install on load center cabinet		
Service voltage:	1 phase, 3 wire, 120/240 volts AC with grounded neutral		
Provide meter socket?	Yes		
Main Breaker A:	240 volt, 2 pole,	100 amperes	
Contactore :	600 volt, 6 pole,	20 amperes	
Panel A			
Circuit Number	Description	KVA Load	Breaker Amps Poles
C1	Photoelectric control	0.1	20 2
C2	Luminaires 1 and 2	0.7	20 2
C3	Spare	0	20 2
C4	SPACE	0	6

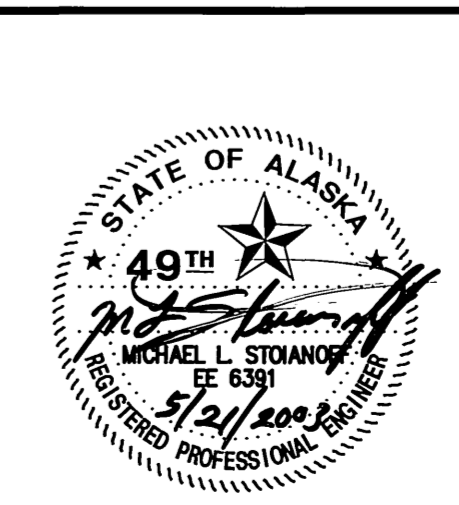
Summary of Load Center: E

Load center type:	2 (EXISTING)		
Location Data:	S. VINE RD.		
Load center:	51.0 feet right of station	370+87	
Power source:	at load center		
Photoelectric control:	On load center cabinet		
Service voltage:	1 phase, 3 wire, 120/240volts AC with grounded neutral		
Provide meter socket?	Yes		
Main Breaker A:	240 volt, 2 pole,	100 amperes	
Contactore :	600 volt, 6 pole,	20 amperes	
Panel A			
Circuit Number	Description	KVA Load	Breaker Amps Poles
B1	Photoelectric control	0.1	20 2
B2	Luminaires 1 and 2	0.7	20 2
B3	Spare		20 2
B4	SPACE		6

Summary of Load Center: F

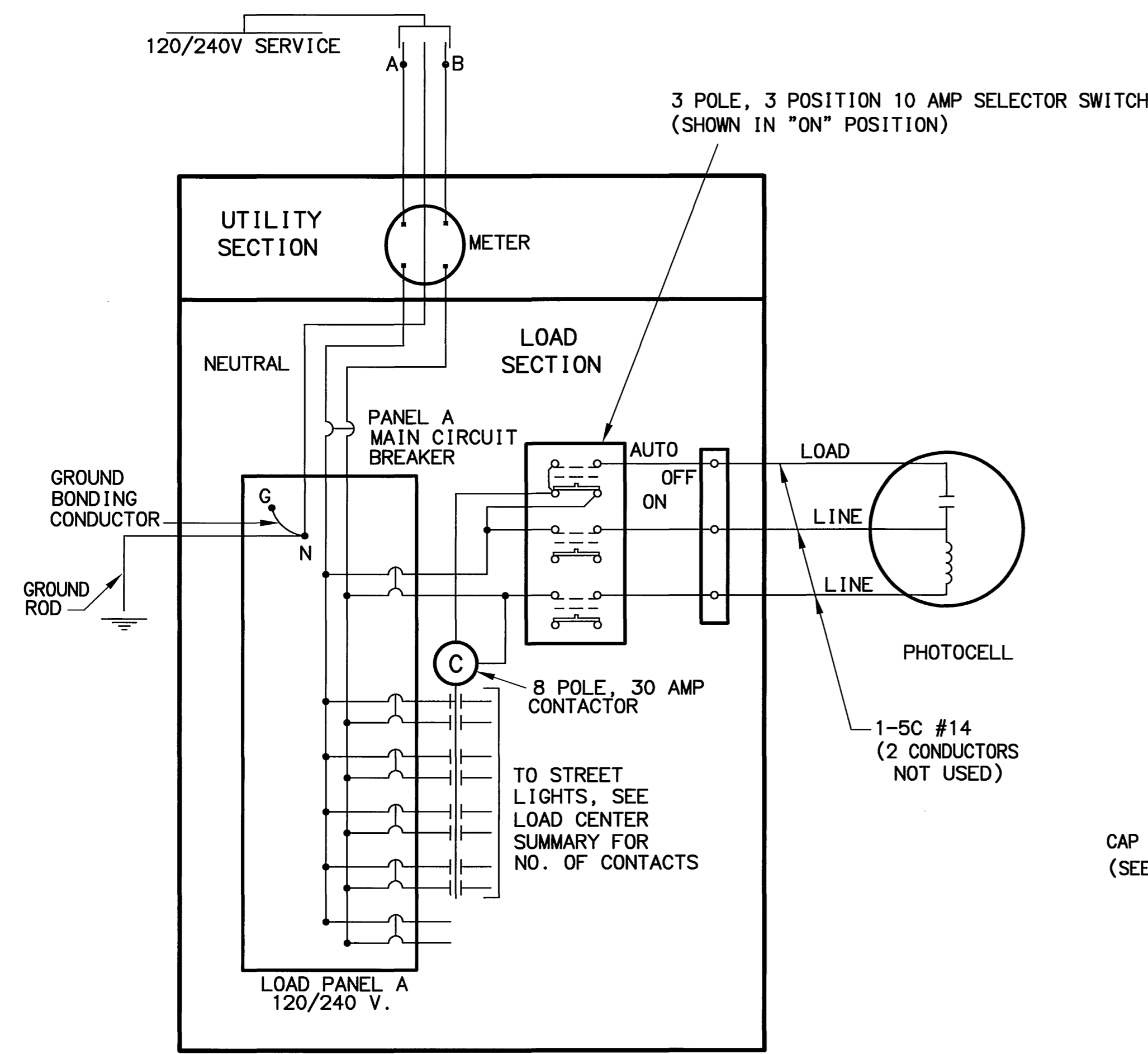
Load center type:	2 (NEW)		
Location Data:	S. SETTLER'S BAY		
Load center:	97.0 feet left of milepoint	436+64	
Power source:	127.0 feet left of milepoint	436+64	
Photoelectric control:	Install on load center cabinet		
Service voltage:	1 phase, 3 wire, 120/240 volts AC with grounded neutral		
Provide meter socket?	Yes		
Main Breaker A:	240 volt, 2 pole,	100 amperes	
Contactore :	600 volt, 6 pole,	20 amperes	
Panel A			
Circuit Number	Description	KVA Load	Breaker Amps Poles
D1	Photoelectric control	0.1	15 2
D2	Luminaires 1 and 2	0.7	20 2
D3	Spare		20 2
D4			

SPECIFICATIONS: SCALE: 1"=1' KNIK-KIM-TRAFFIC
 CHECKED BY: K:\Projects\110151\53922 KGB Road\Load\Load_Summary.dwg 05/20/2003 02:49:13 PM AJI
 DRAFTED BY: KRW

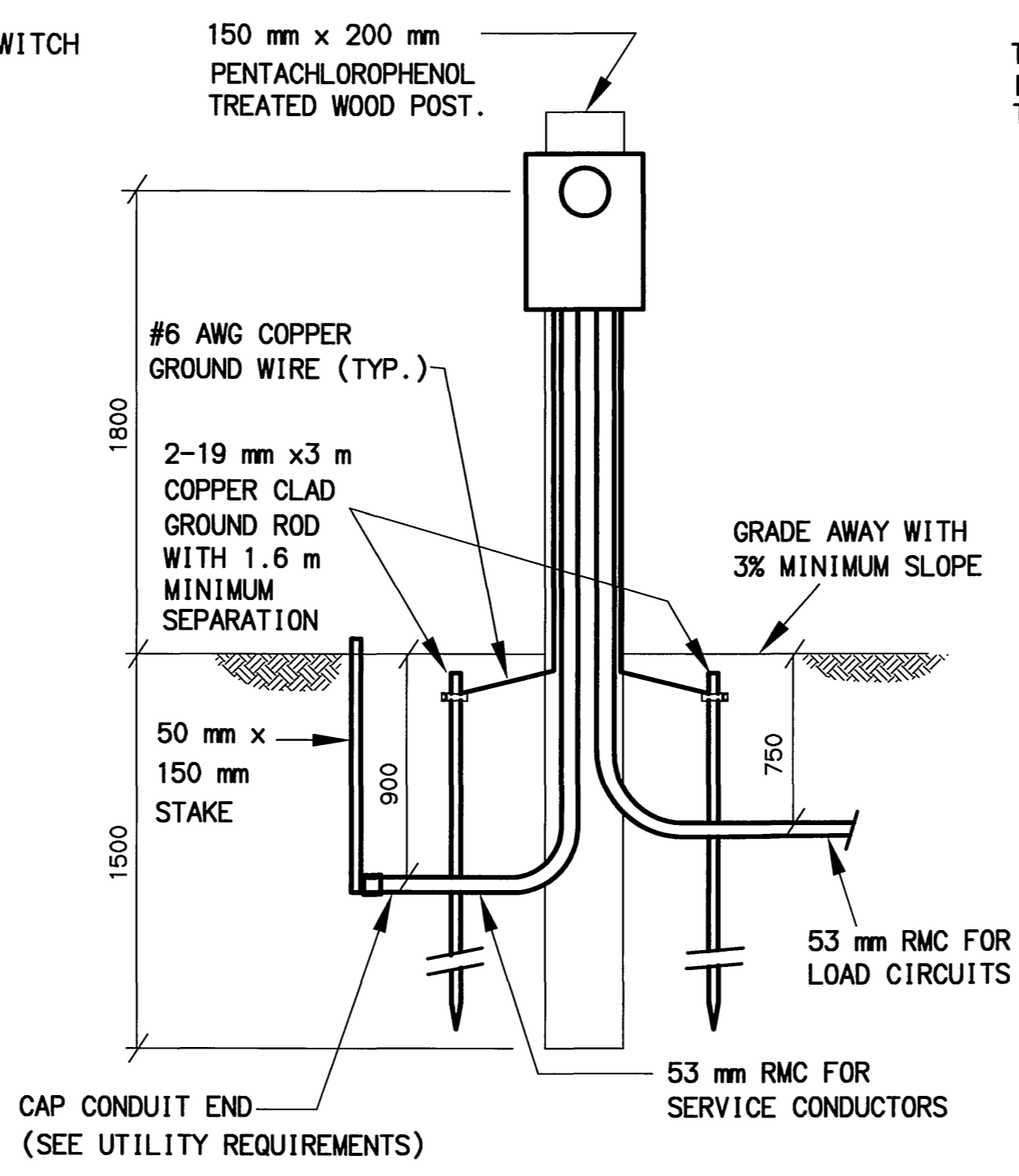


STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND
 PUBLIC FACILITIES
**KNIK-GOOSE BAY ROAD
 REHABILITATION**
LOAD CENTER SUMMARIES

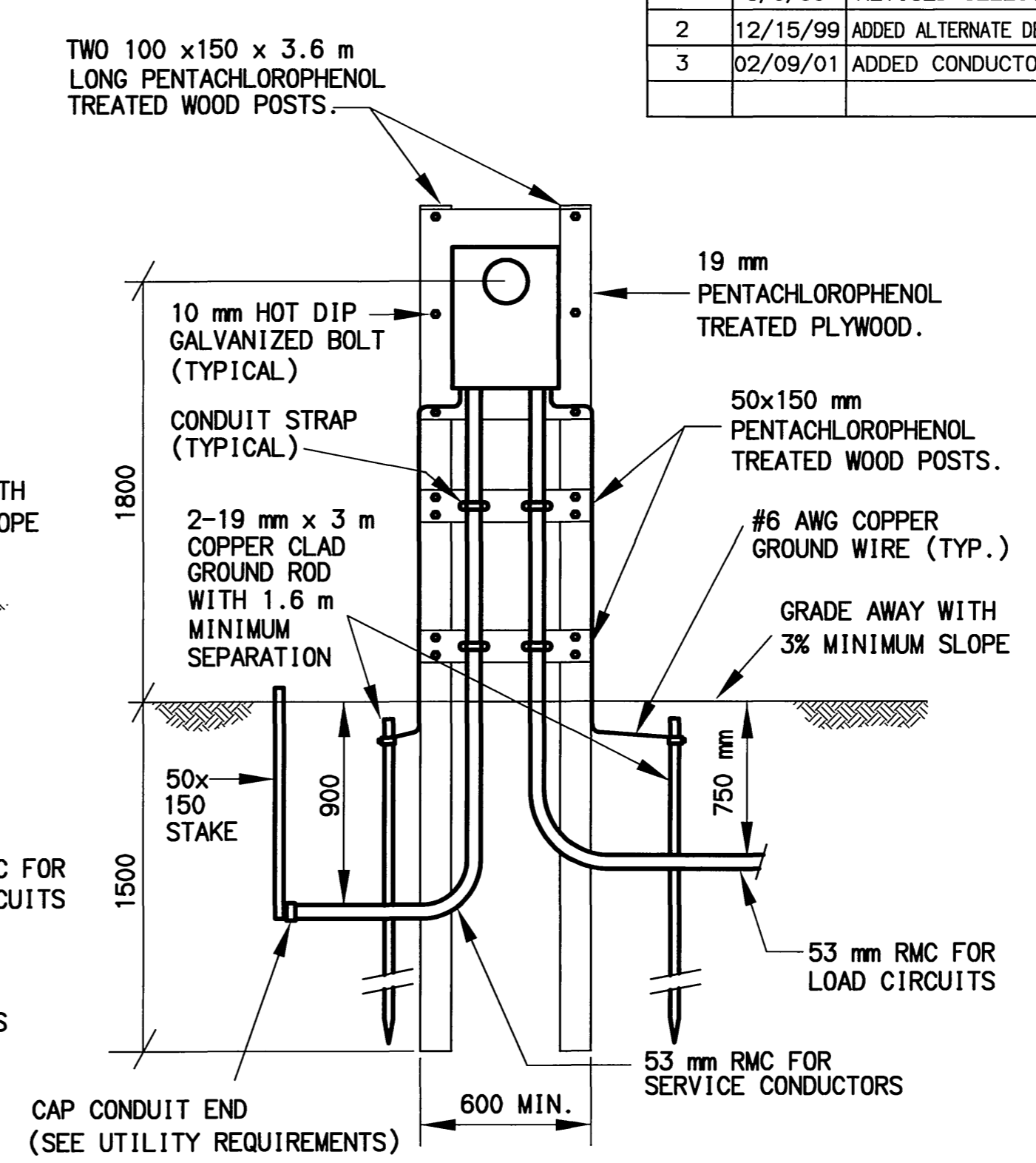
REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	CA-0525(11)/53922	2003	J25A	J32
1	3/3/99	REVISED SELECTOR SWITCH WIRING				
2	12/15/99	ADDED ALTERNATE DETAIL & REVISED NOTES				
3	02/09/01	ADDED CONDUCTORS				



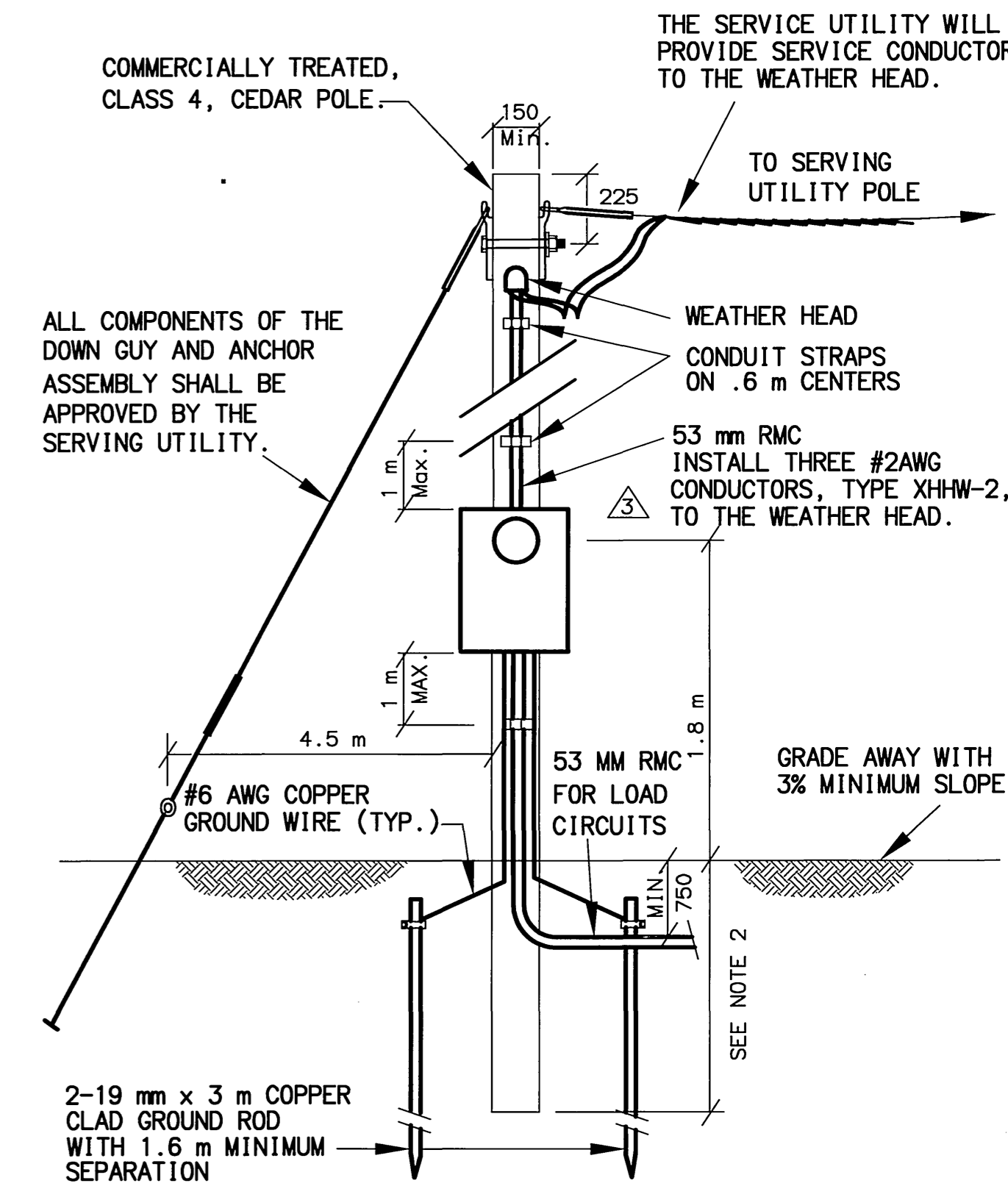
LOAD CENTER ONE LINE DIAGRAM AND SELECTOR SWITCH WIRING



TYPE 2 LOAD CENTER SINGLE POST - STANDARD



TYPE 2 LOAD CENTER DUAL POST - ALTERNATE (MEA DESIGN)



TYPE 3 LOAD CENTER

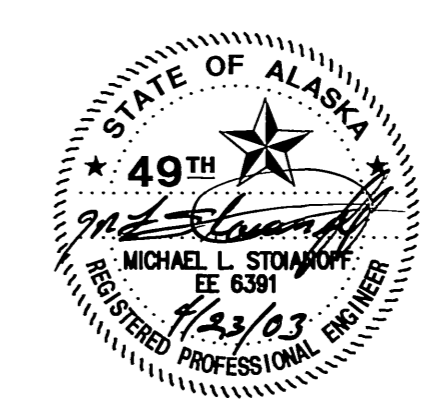
INSTALLATION NOTES:

- INSTALL TYPE 3 LOAD CENTER POLES OF SUFFICIENT LENGTH TO PROVIDE THE FOLLOWING MINIMUM GROUND TO SERVICE CONDUCTOR CLEARANCE:
 - 6.4 METERS, IF THE SERVICE CONDUCTORS ARE LOCATED ABOVE ROADWAYS OR PARKING AREAS.
 - 8.6 METERS IF THE SERVICE CONDUCTORS ARE LOCATED WITHIN 6.1 METERS OF A RAILROAD TRACK.
 - 5.5 METERS IN ALL OTHER CIRCUMSTANCES.
- SET THE BUTT END OF TYPE 3 LOAD CENTER POLES TO THE FOLLOWING MINIMUM DEPTH:
 - 10 PERCENT OF ITS LENGTH PLUS 0.6 m, OR 1.5 m, WHICHEVER IS GREATER, IF IT IS INSTALLED IN EARTH OTHER THAN SOLID ROCK OR MUSKEG.
 - 10 PERCENT OF ITS LENGTH, OR 1.2 m, WHICHEVER IS GREATER, IF IT IS INSTALLED IN SOLID ROCK.
 - CONSIDER MUSKEG TO BE AIR, AND SET THE BUTT ENDS TO THE DEPTH GIVEN IN A OR B, WHICHEVER APPLIES, IN THE UNDERLYING EARTH OR ROCK.
- WHENEVER MORE THAN 0.6 m OF EARTH OVERLAYS ROCK, OR THE DIAMETER OF THE DRILLED HOLE IN ROCK EXCEEDS TWICE THE DIAMETER OF THE POLE AT THE GROUND LINE, CONSIDER THE INSTALLATION AS EARTH.
- ATTACH ALL CONDUITS TO THE POSTS AND POLES USING TWO HOLE RIGID METAL CONDUIT STRAPS LOCATED ON 0.6 m MAXIMUM CENTERS.
- ATTACH ALL GROUND CONDUCTORS TO THE POSTS AND POLES USING CABLE STAPLES LOCATED ON 0.3 m CENTERS.

UTILITY REQUIREMENTS:

- USE THE SINGLE-POST TYPE 2 "STANDARD" LOAD CENTER IN ALL LOCATIONS EXCEPT WHERE THE SERVING UTILITY REQUIRES THE TWO-POST TYPE 2 "ALTERNATIVE" LOAD CENTER. REFER TO THE LOAD CENTER SUMMARY FOR WHICH TO INSTALL.
- THE LENGTH AND TYPE OF SERVICE ENTRANCE CONDUIT INSTALLED BY THE CONTRACTOR VARIES BY UTILITY. REGARDLESS OF ITS LENGTH, INSTALL A PULL ROPE IN THE SERVICE CONDUIT AND A CAP ON THE BURIED END: MARK THE BURIED END WITH A 50 mm X 150 mm STAKE. SEE THE LOAD CENTER SUMMARIES FOR THE FOLLOWING INFORMATION.
 - STATION AND OFFSET OF THE LOAD CENTER AND POWER SOURCE.
 - WHERE THE CONTRACTOR TERMINATES THE SERVICE ENTRANCE CONDUIT.
 - THE TYPE OF SERVICE ENTRANCE CONDUIT (SUCH AS RIGID METAL CONDUIT OR LIQUID-TIGHT FLEXIBLE METAL CONDUIT).
 - THE MAXIMUM AND MINIMUM DISTANCES ALLOWED BETWEEN THE TYPE-3 LOAD CENTER POLE AND UTILITY POLE TO WHICH THE AERIAL DROP IS CONNECTED.

THIS DETAIL USES SI UNITS OF MEASURE. ALL DIMENSIONS IN MILLIMETER (mm) UNLESS OTHERWISE NOTED.



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

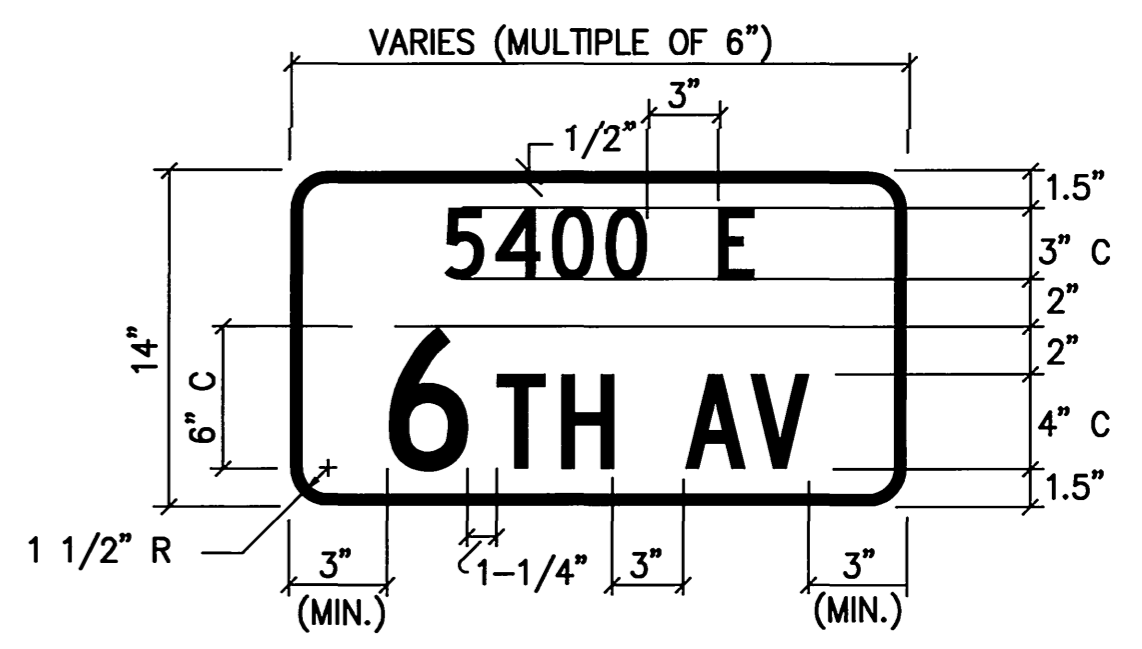
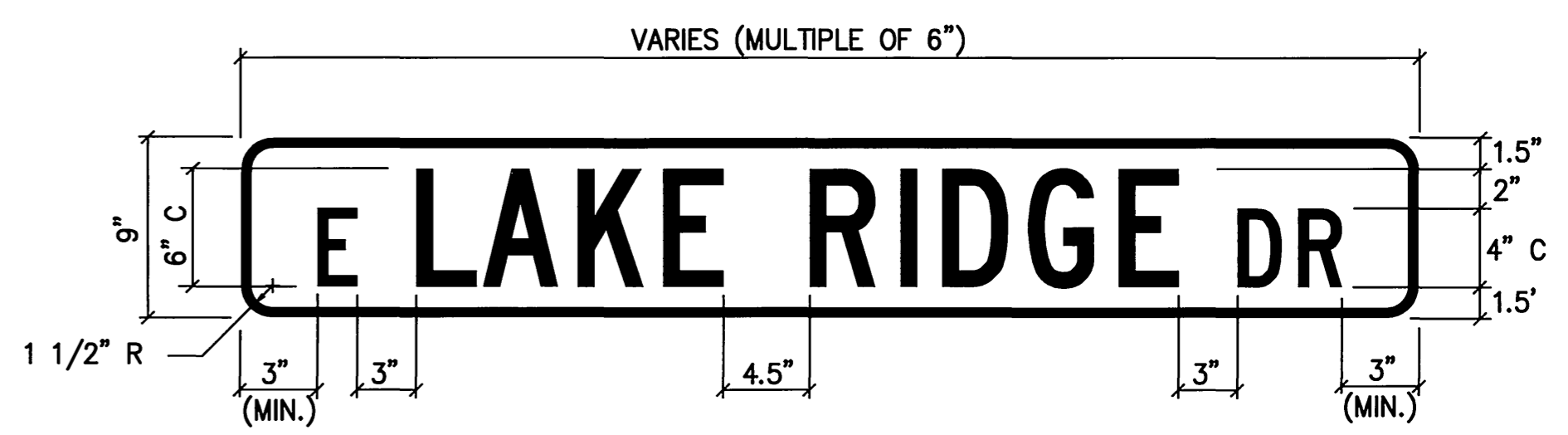
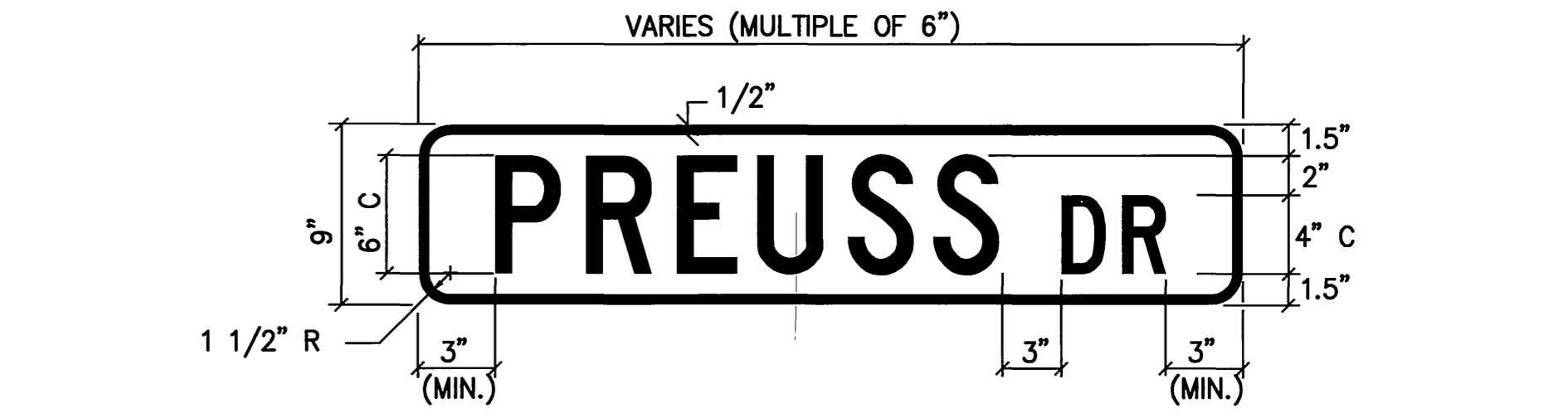
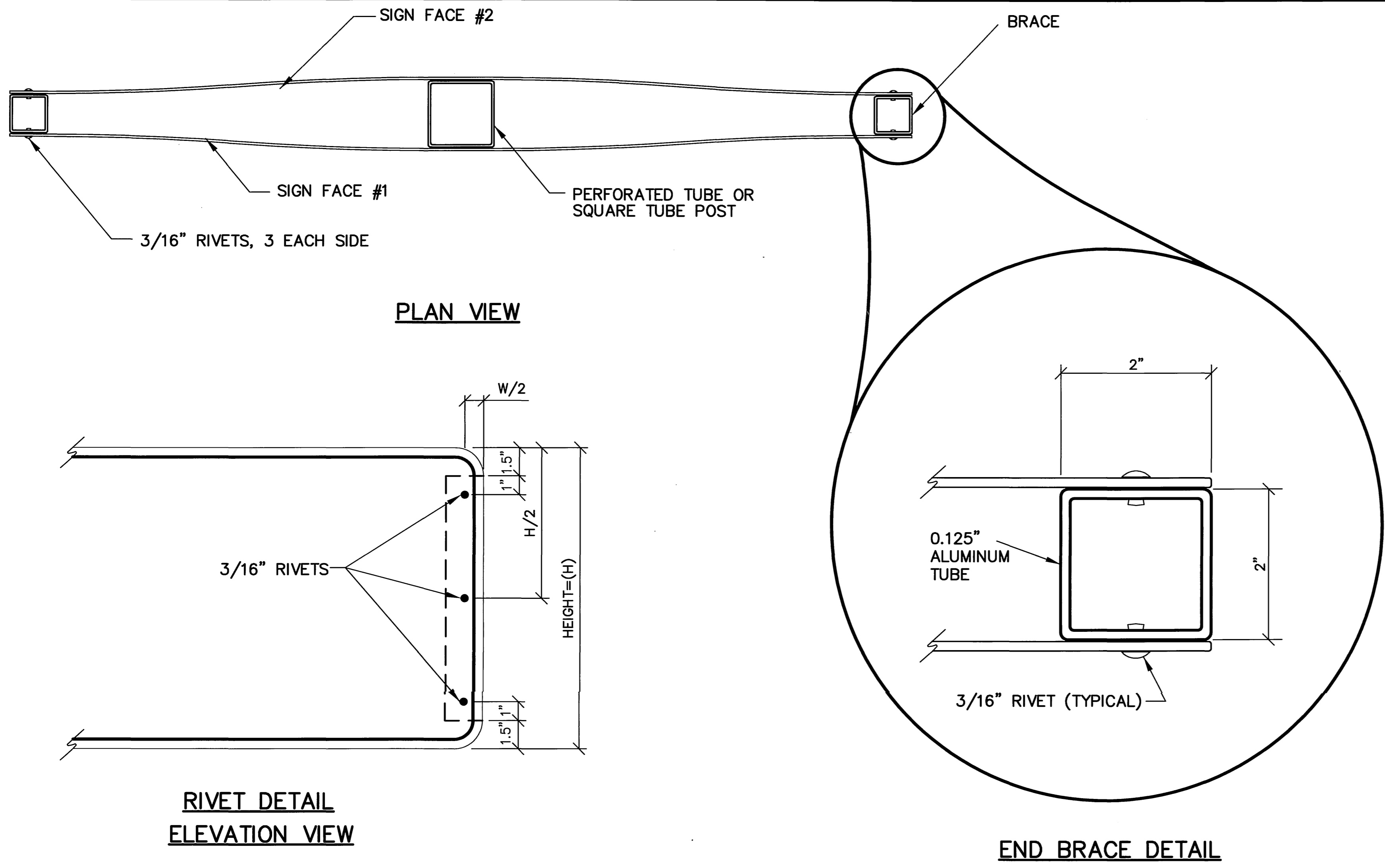
KNIK-GOOSE BAY ROAD REHABILITATION

TYPE 2 AND 3 LOAD CENTER DETAILS

VERSION: 06/04/02

SPECIFICATIONS SCALE: 1:1 COMPUTER DESIGNATION: AUTOCAD/MARY-TRAFIC PLOT SCALE: 1:1 DESIGNED BY: CHECKED BY: DRAFTED BY: MOH
 K:\PROJECTS\TRAFFIC\38922.XB Road\Gcn\Job\2-3.dwg 04/23/2003 01:28:24 PM ADT

REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	CA-0525(11)/53922	2003	J26	J32

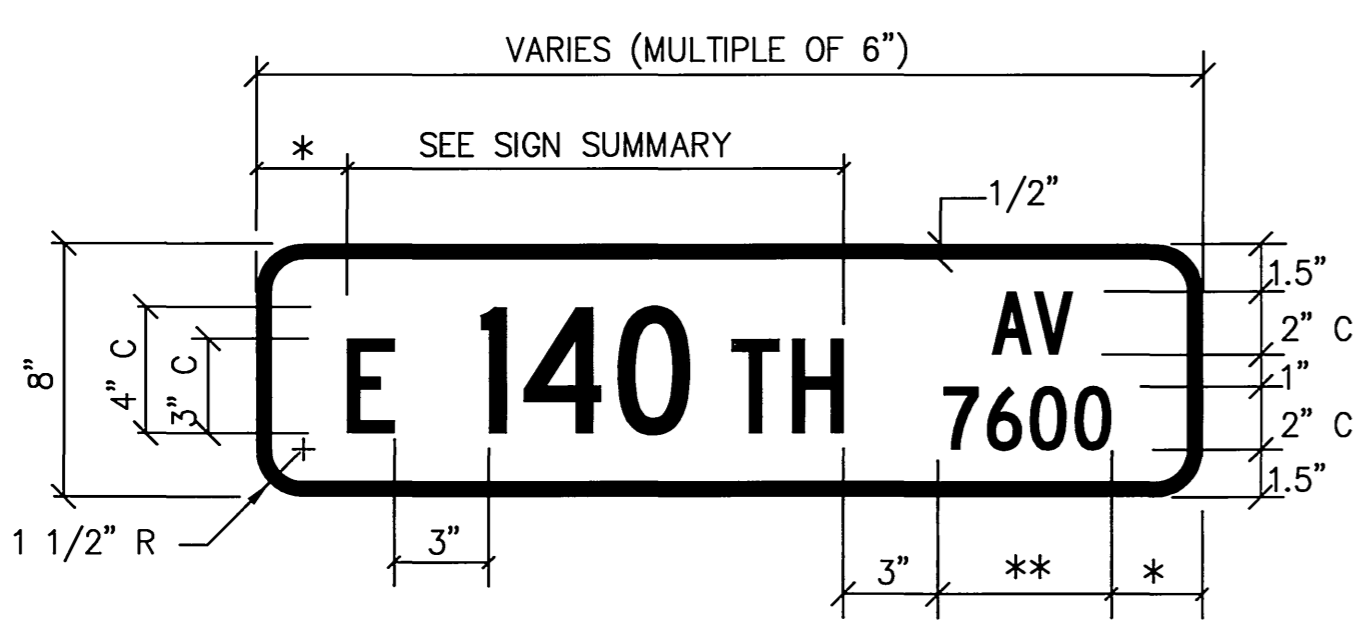


D3-1A SIGN BRACING DETAILS

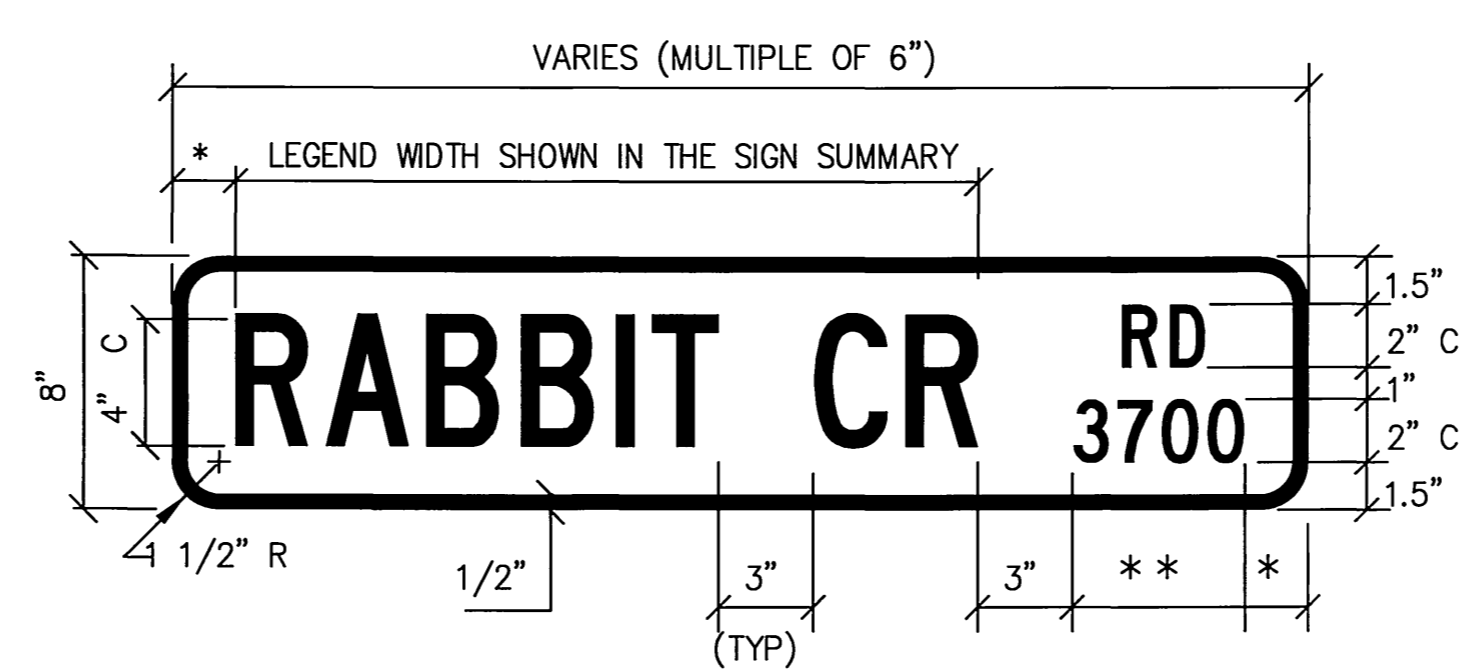
STREET NAME SIGN (D3-1A) DETAIL
TWO PANELS - SINGLE SIDED

SIGN NOTES:

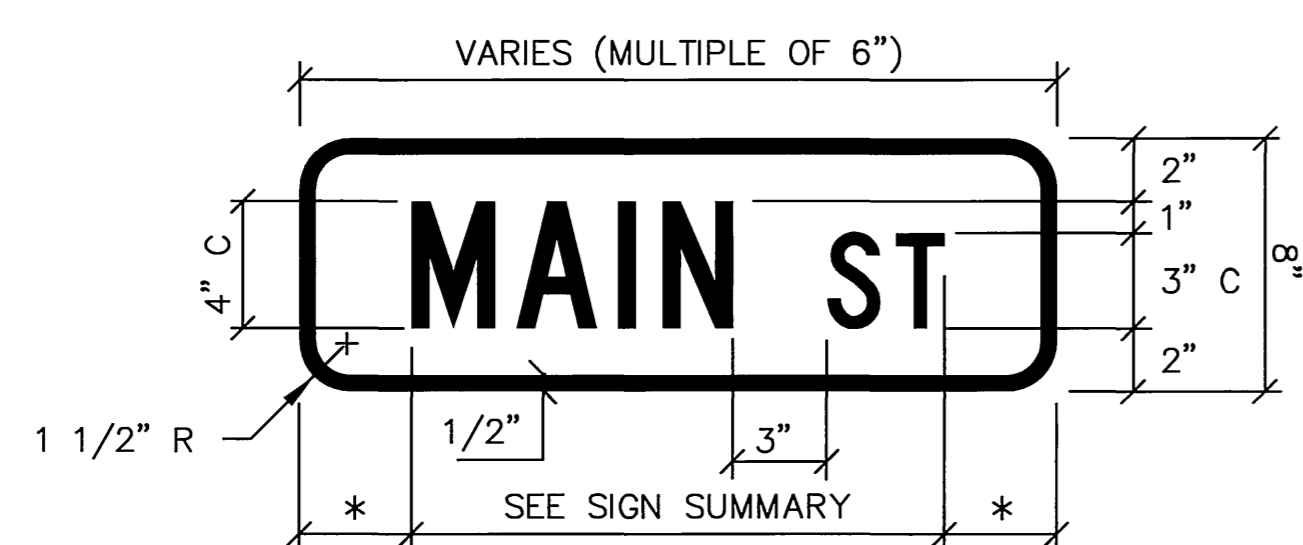
1. USE D3-1 OR D3-1D STREET NAME SIGNS ON STOP-CONTROLLED APPROACHES AND ALL TWO-LANE ROADS WITH A POSTED SPEED OF 35 MPH OR LESS.
2. USE D3-1A STREET NAME SIGNS AT ALL OTHER LOCATIONS.
3. SIGN SUMMARY, WHERE PRESENT, SUPERCEDES THE ABOVE CRITERIA.
4. USE SERIES B LETTERING WHERE SIGN LENGTH EXCEEDS 48 INCHES.
5. FABRICATE SIGNS USING 0.125 INCH ALUMINUM PANELS.
6. FABRICATE SIGNS USING TYPE-3 (HIGH INTENSITY) REFLECTIVE SHEETING. USE WHITE FOR LEGENDS AND BORDERS AND GREEN FOR BACKGROUNDS.
7. MOUNT D3-1, D3-1D SIGNS IN ACCORDANCE WITH STANDARD DRAWING S-20.00.



STREET NAME SIGN (D3-1D) DETAIL
SINGLE PANEL - DOUBLE SIDED



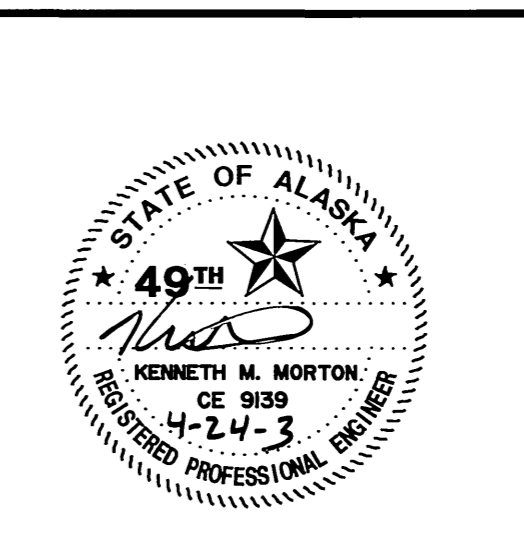
STREET NAME SIGN (D3-1D) DETAIL
SINGLE PANEL - DOUBLE SIDED



STREET NAME SIGN (D3-1) DETAIL
SINGLE PANEL - DOUBLE SIDED

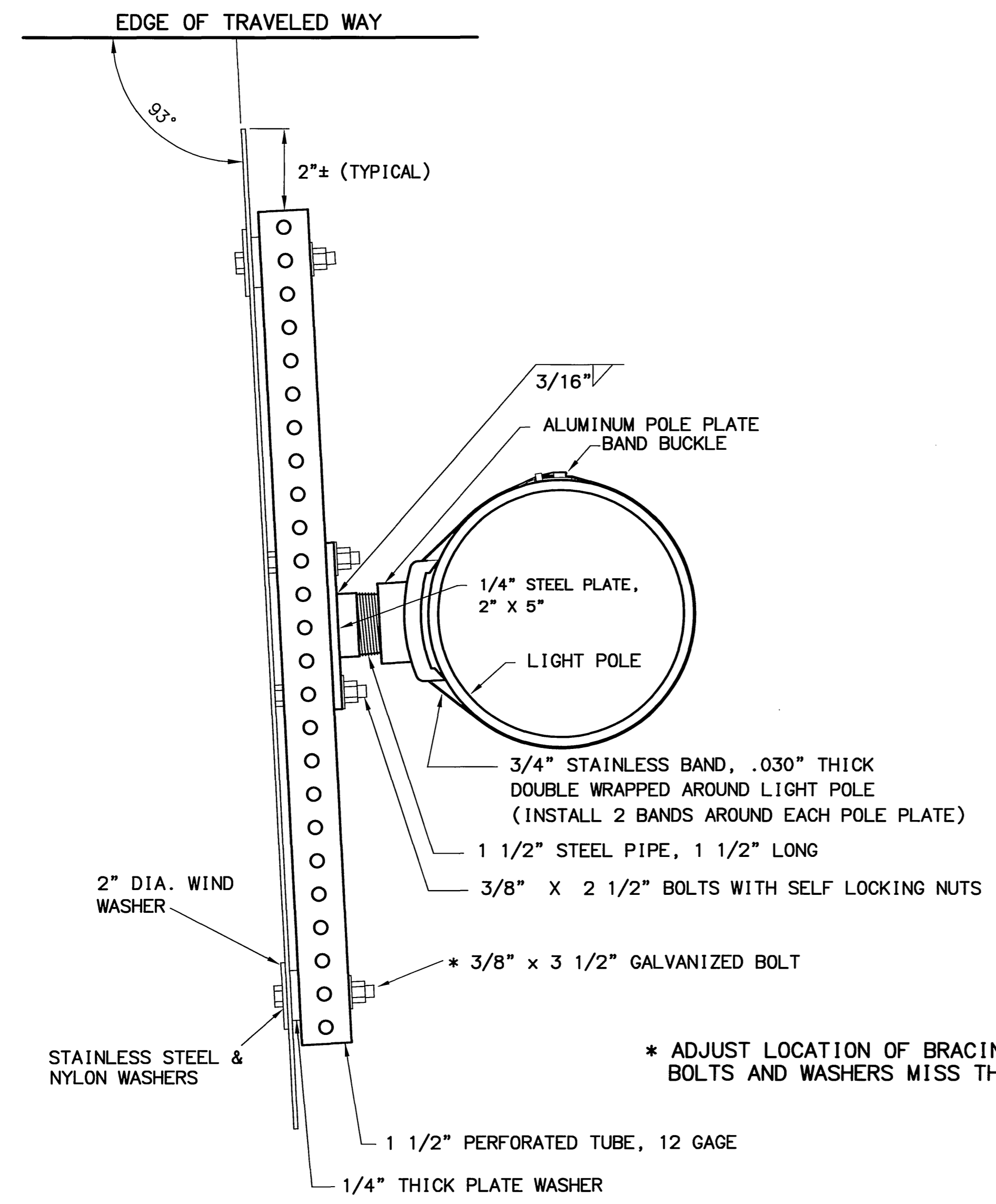
* SEE SIGN SUMMARY TABLE FOR MARGIN WIDTH, 2" MINIMUM FOR DESIGN
 ** SPACE = 5.5", IF NUMBER CONSISTS OF ANY 4 DIGITS
 SPACE = 6.5", IF NUMBER CONSISTS OF 5 DIGITS BEGINNING WITH THE NUMBER 1
 SPACE = 7.0", IF NUMBER CONSISTS OF ANY 5 DIGITS BEGINNING WITH ANY NUMBER LARGER THAN 1

SPECIFICATIONS: AK-KIM TRAFFIC SIGNS
 DESIGNED BY: KAD PROJECTS INC. 03/27/2002
 CHECKED BY: KAD PROJECTS INC. 08/16/09
 DRAWN BY: KRW

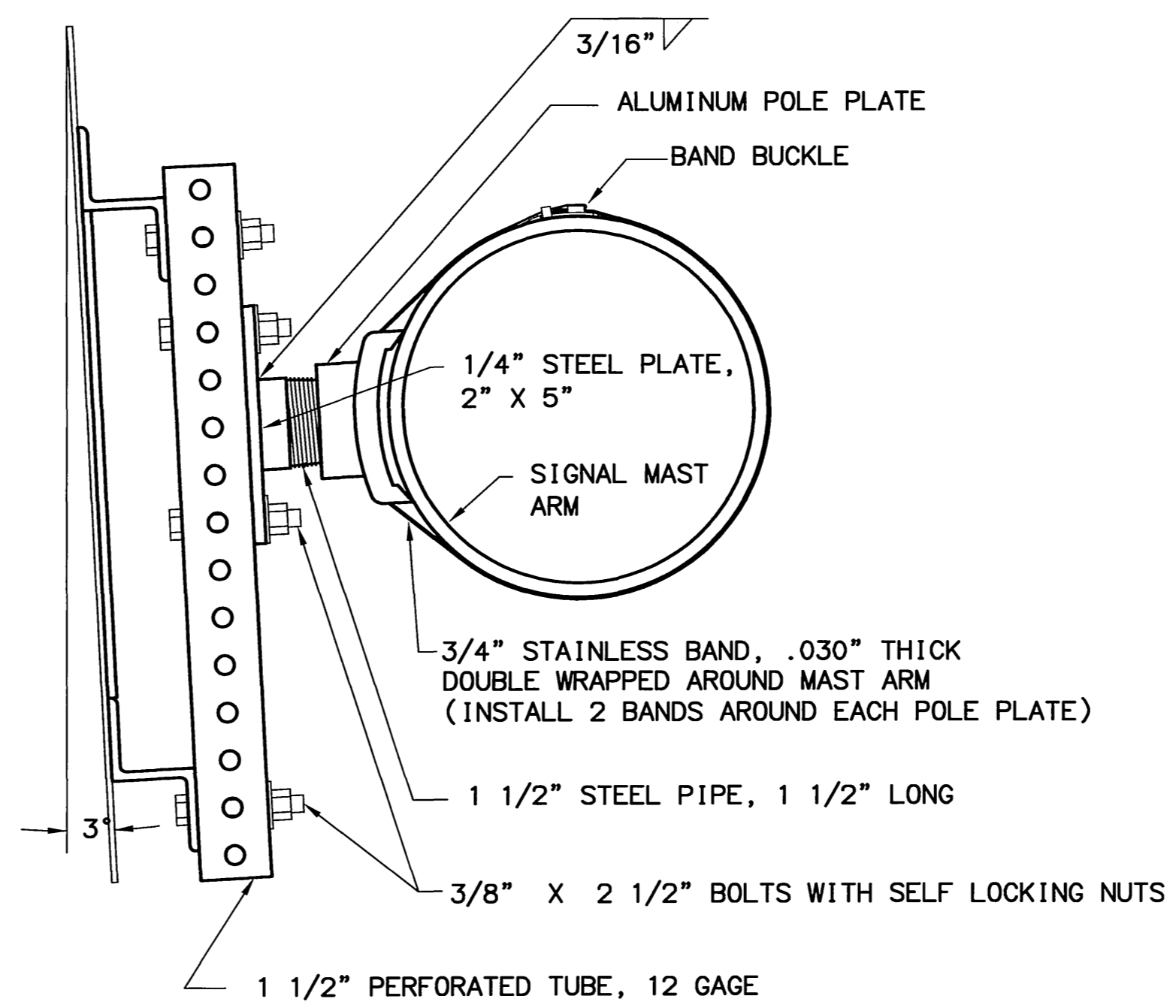
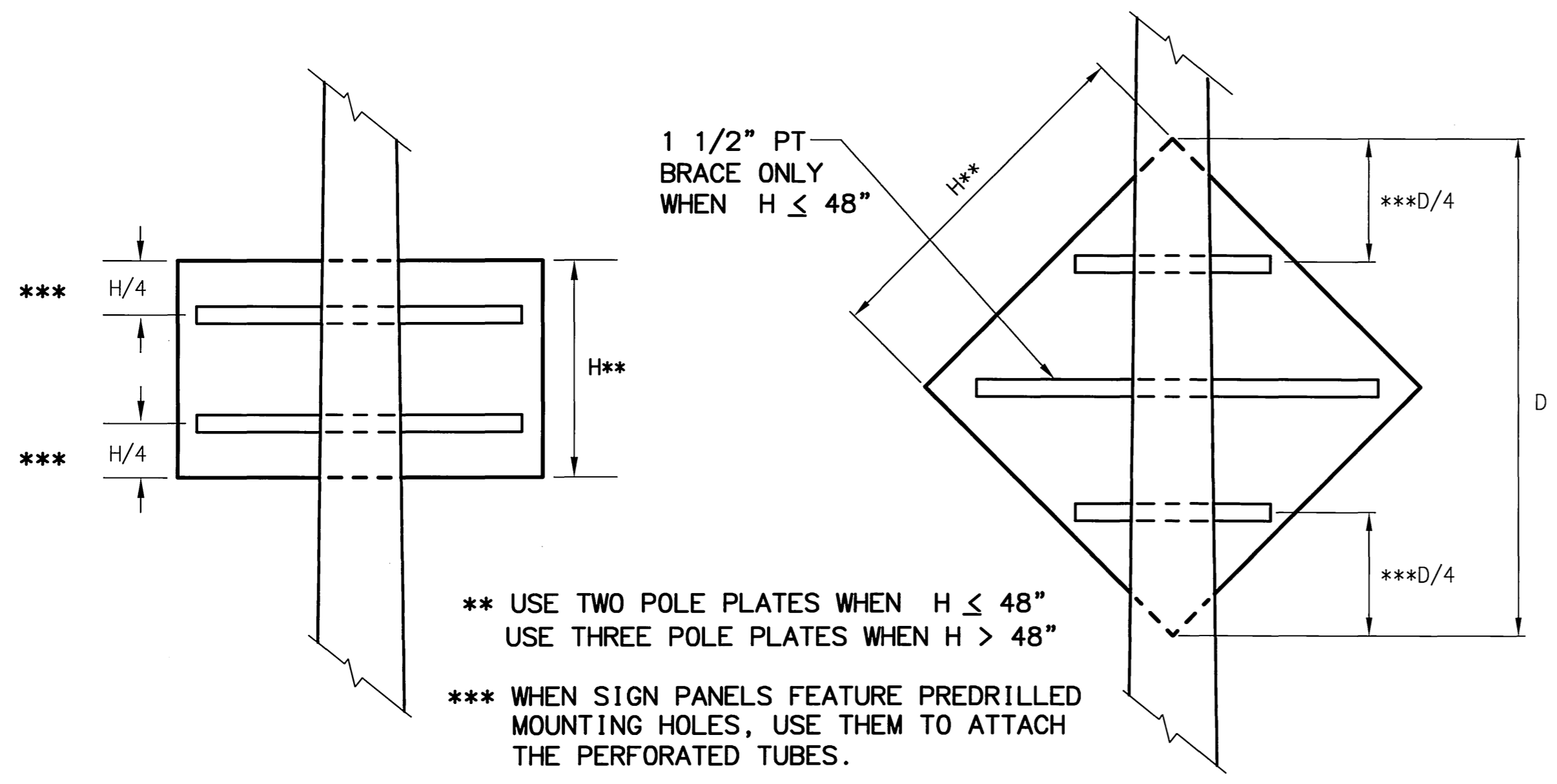


STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND
 PUBLIC FACILITIES
**KNIK-GOOSE BAY ROAD
 REHABILITATION**
 POST-MOUNTED INTERSECTION
 STREET NAME SIGN DETAILS

REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	CA-0525(11)/53922	2003	J27	J32

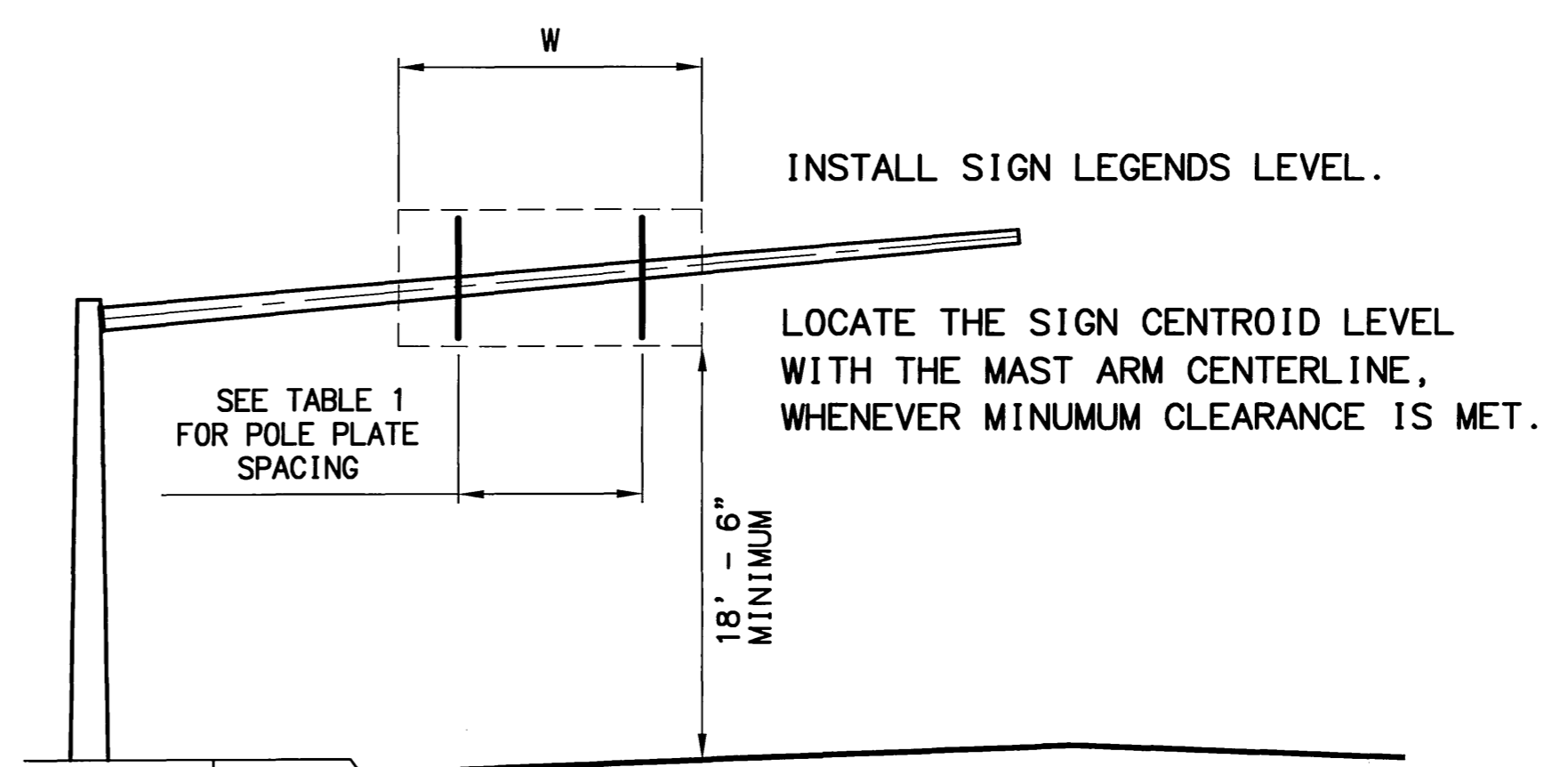


ELECTROLIER SIGN MOUNTING
(PLAN VIEW)



SIGNAL POLE MAST ARM SIGN MOUNTING
(ELEVATION VIEW)

- NOTES:**
- USE POLE PLATES TO INSTALL SIGNS ON TAPERED MAST ARMS AND LIGHT POLES. INSTALL ONE POLE PLATE FOR EACH 10 SQUARE FEET OF SIGN PANEL. USE AT LEAST TWO PLATES FOR EACH INSTALLATION. A SIGN WITH AN AREA OF 24 SQUARE FEET WOULD BE SUPPORTED BY 3 POLE PLATES.
 - FABRICATE EACH POLE PLATE TO PERFORATED TUBE ADAPTER USING STEEL PLATE CONFORMING TO ASTM A36 AND STEEL PIPE CONFORMING TO ASTM A53. PAINT THESE ADAPTERS IN CONFORMANCE WITH SECTION 504 OF THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, LATEST EDITION.
 - PAINT THE ALUMINUM POLE PLATES IN ACCORDANCE WITH AASHTO STANDARD SPECIFICATION M69.
 - ATTACH ALL POLE PLATES WITH TWO BANDS OF 3/4 INCH WIDE BY 0.030 INCH THICK STAINLESS STEEL BANDING MATERIAL. DOUBLE WRAP EACH BAND AND TIGHTEN IT UNTIL THE BAND STOPS MOVING THROUGH THE BUCKLE.
 - INSTALL BOLTS, NUTS, AND WASHERS CONFORMING TO TO ASTM A325.



NO. OF POLE PLATES	OVERHANG	BETWEEN POLE PLATES	OVERHANG
2	0.2W	1 SPACE AT 0.6W	0.2W
3	0.15W	2 SPACES AT 0.35W	0.15W
4	0.125W	3 SPACES AT 0.25W	0.125W
5	0.2W	1 SPACE AT 0.6W	0.2W

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

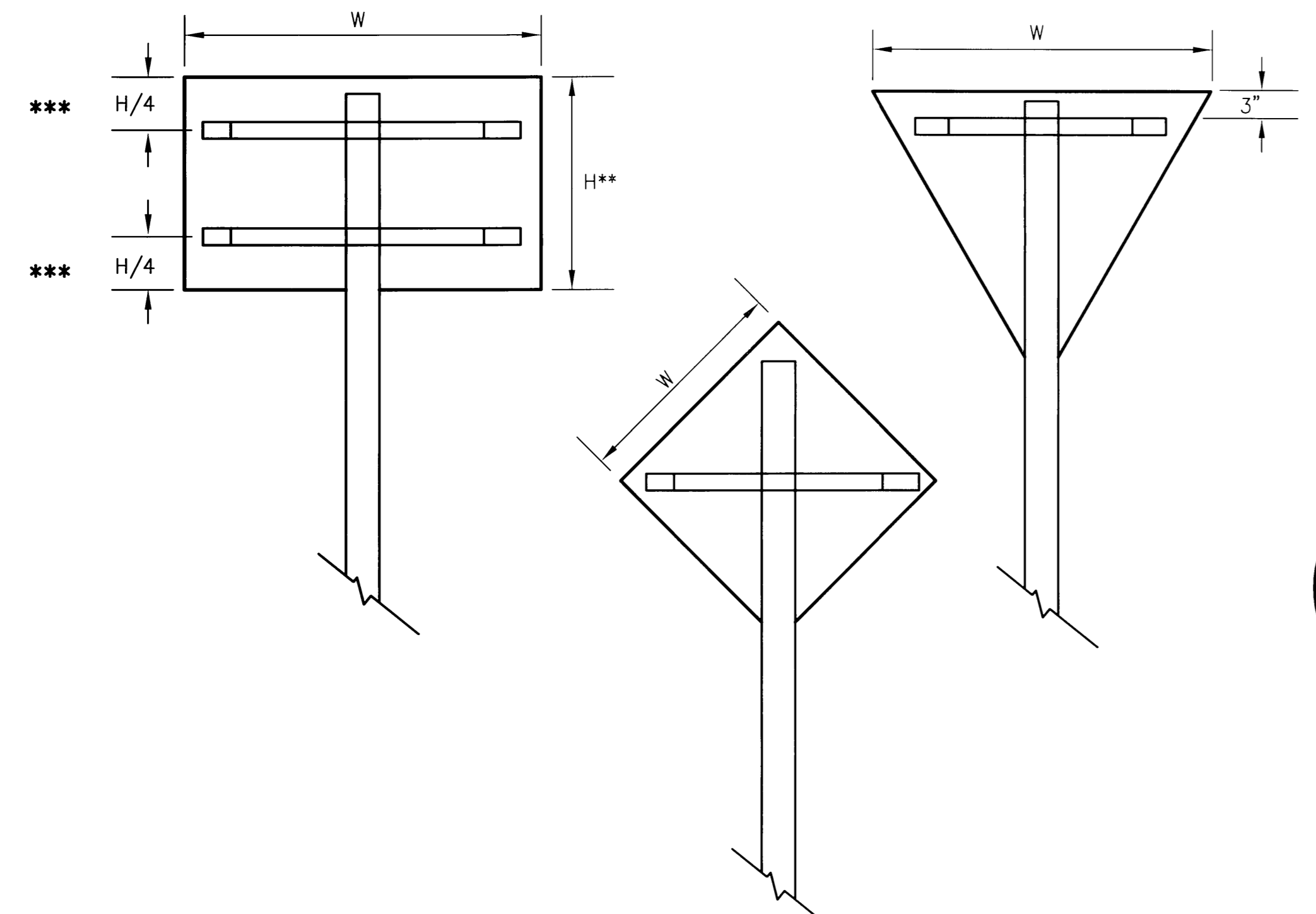
**KNIK-GOOSE BAY ROAD
REHABILITATION**

**POLE PLATE MOUNTED
SIGN INSTALLATION DETAILS**

SPECIFICATIONS: AK-KIM-TRAFFIC
 SCALE: 1=1
 COMPUTER DESIGNATION: K:\proj\electrolier\mastarm.stn.dwg
 PLOT SCALE: 1=1
 09/09/2002 08:16:49 AM ADT
 DESIGNED BY: KRW
 CHECKED BY:
 DRAFTED BY:

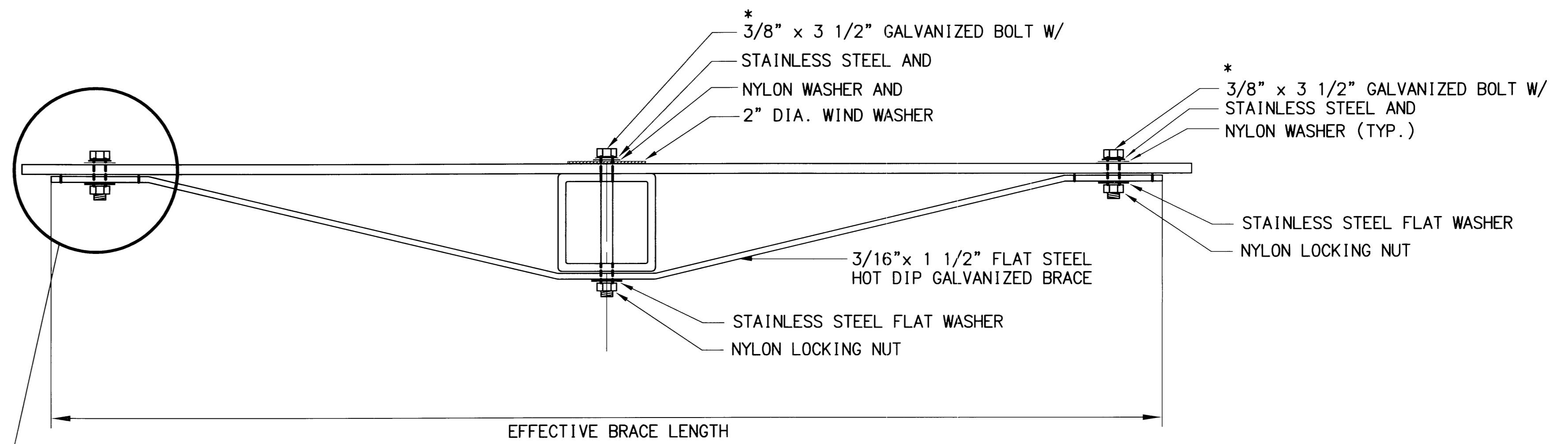
REVISIONS		
No.	DATE	DESCRIPTION

PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
CA-0525(11)/53922	2003	J28	J32



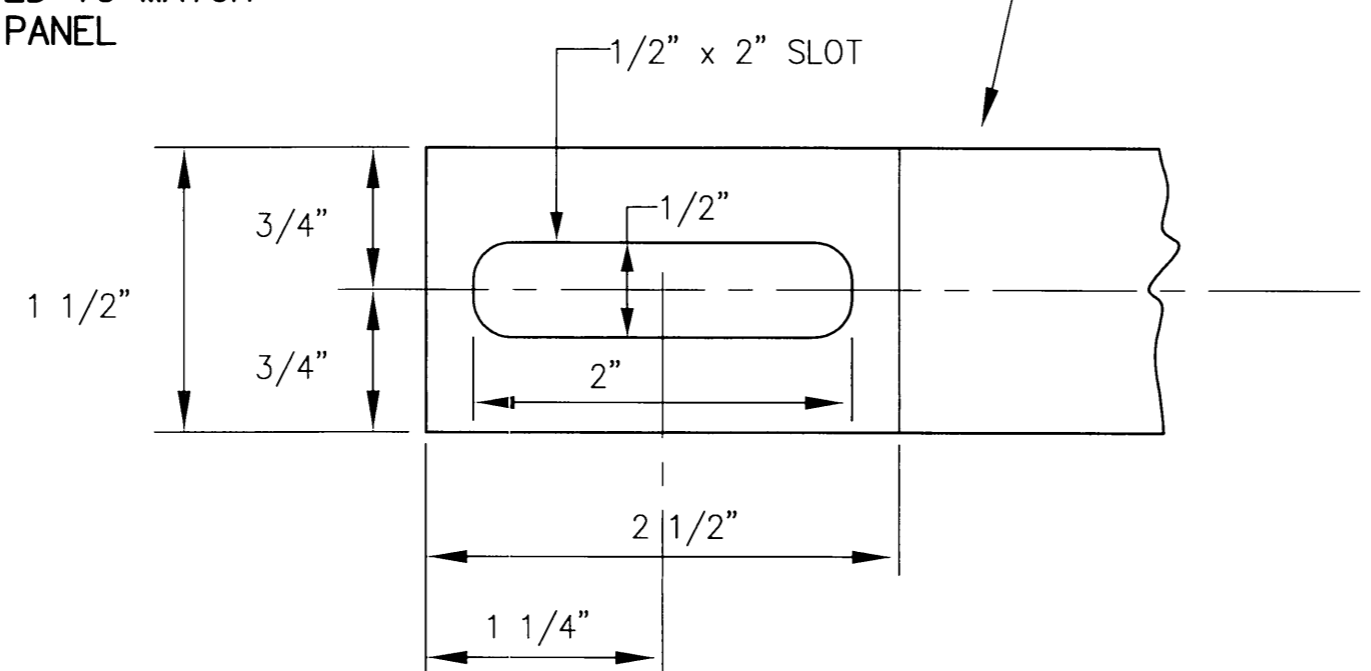
** USE ONE BRACE WHEN $H \leq 18"$
 USE TWO BRACES WHEN $18" < H \leq 48"$
 USE THREE BRACES WHEN $H > 48"$

*** POSITION OF BRACE MAY BE VARIED TO MATCH
 PREDRILLED MOUNTING HOLES IN PANEL



* ADJUST LOCATION OF BRACING SO THAT
 BOLTS AND WASHERS WILL MISS THE LEGEND.

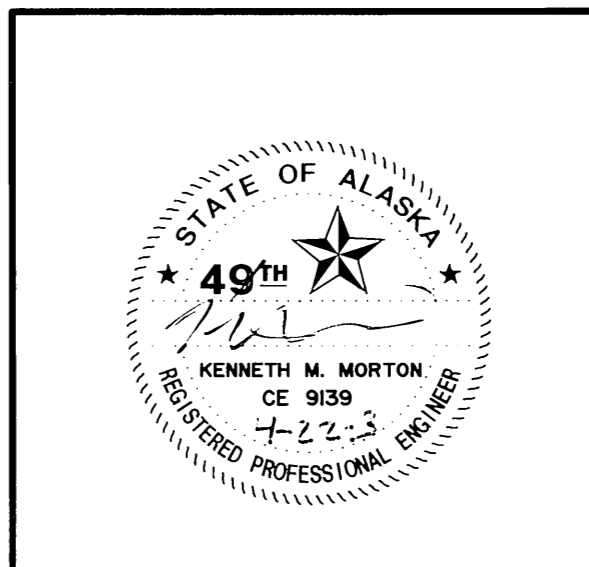
TUBE POST SIGN BRACING
 PLAN VIEW



DETAIL OF BRACE SLOT
 ELEVATION VIEW

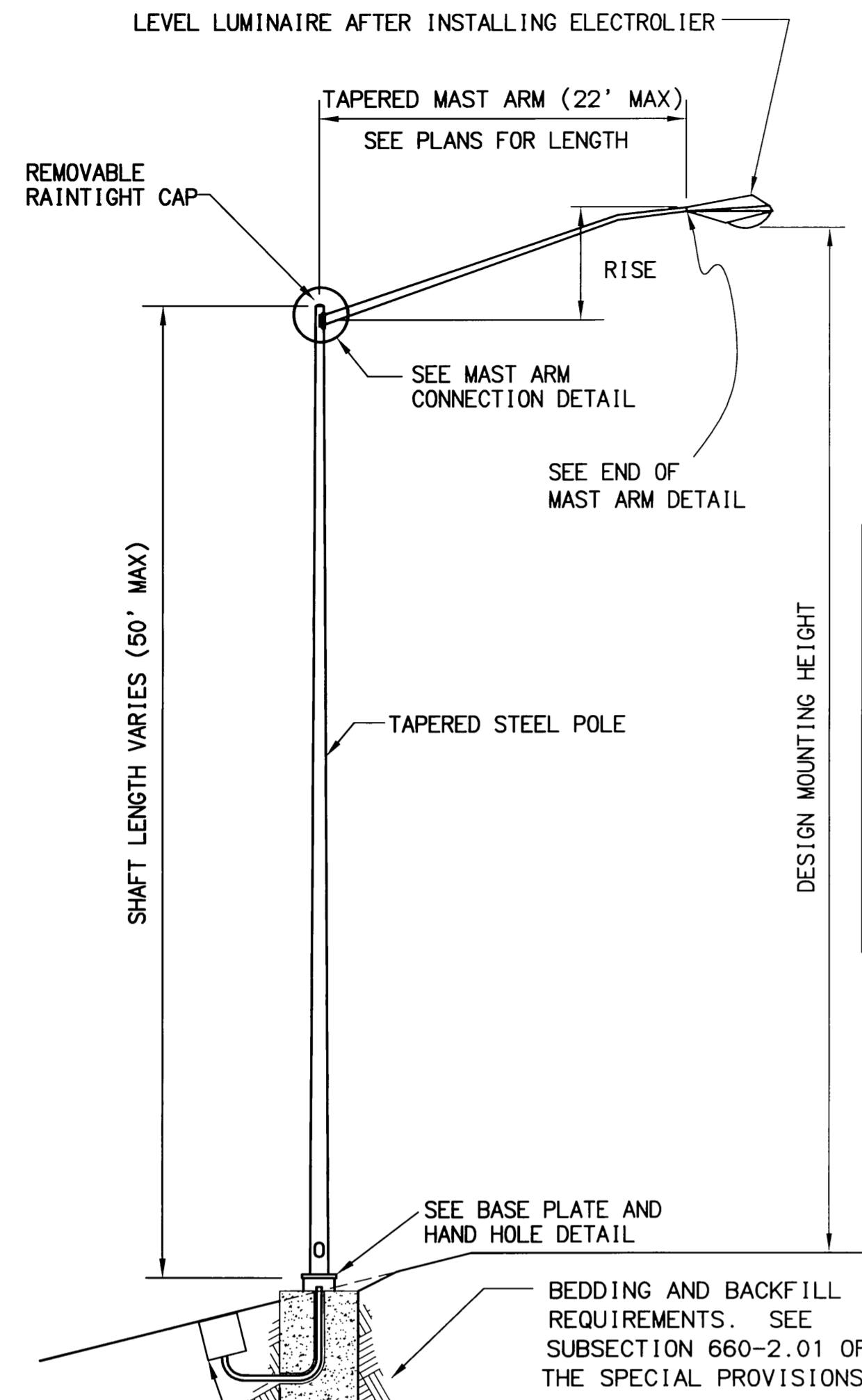
SIGN WIDTH(W)	EFFECTIVE BRACE LENGTH		
	WARNING	YIELD	OTHER
30"	36"	24"	24"
36"	42"	30"	30"
42"	48"	-	36"
48"	USE TWO POSTS	36"	42"

SPECIFICATIONS: 42K-KIM-TRAFFIC
 DESIGNED BY: KIM
 CHECKED BY: KIM
 PLOT SCALE: 1=1
 DATE: 09/09/2002 08:16:49 AM ADT
 PROJECT: K:\pcc\pccs\mstsa\53922_KGB_Road\Cond\eng_standwg_09/09/2002_08:16:49 AM ADT
 COMPUTER DESIGNATION: KIM

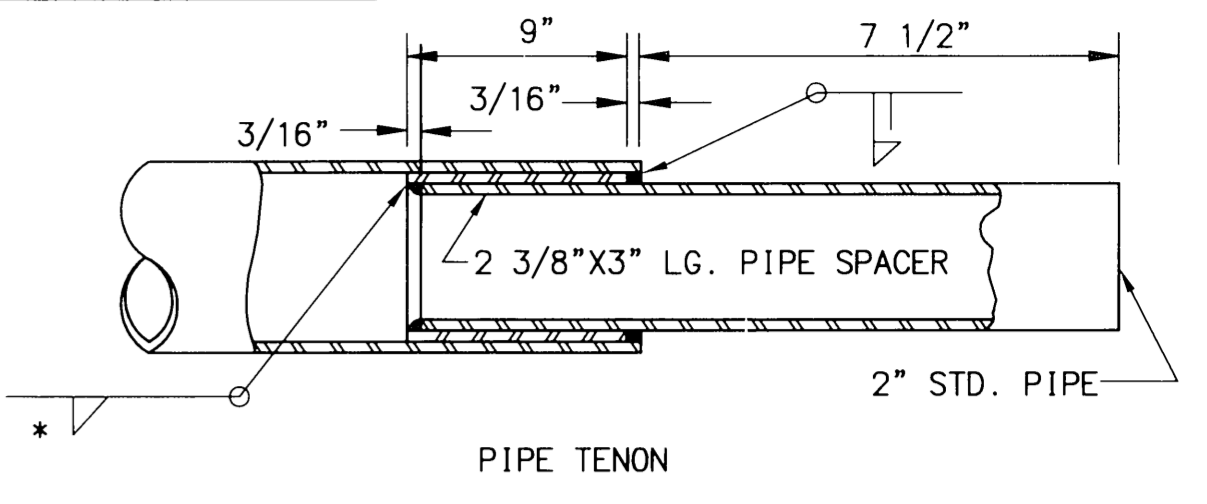
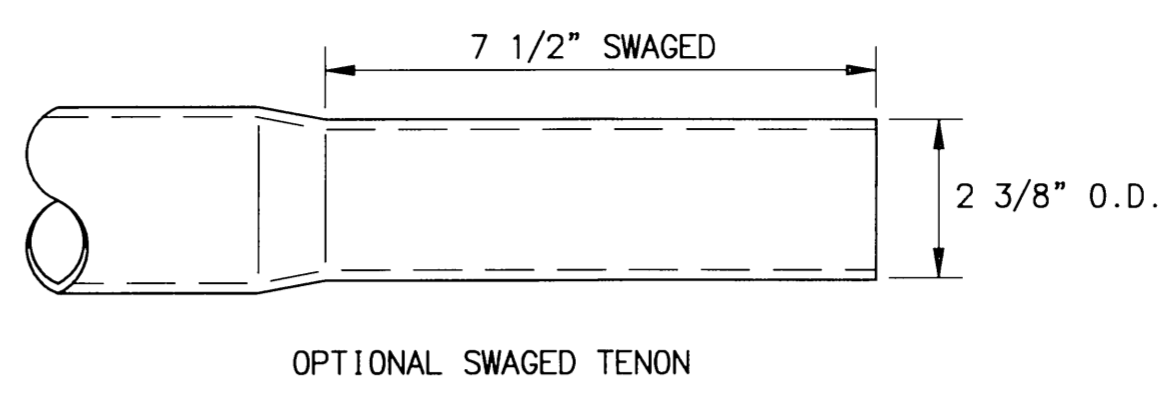
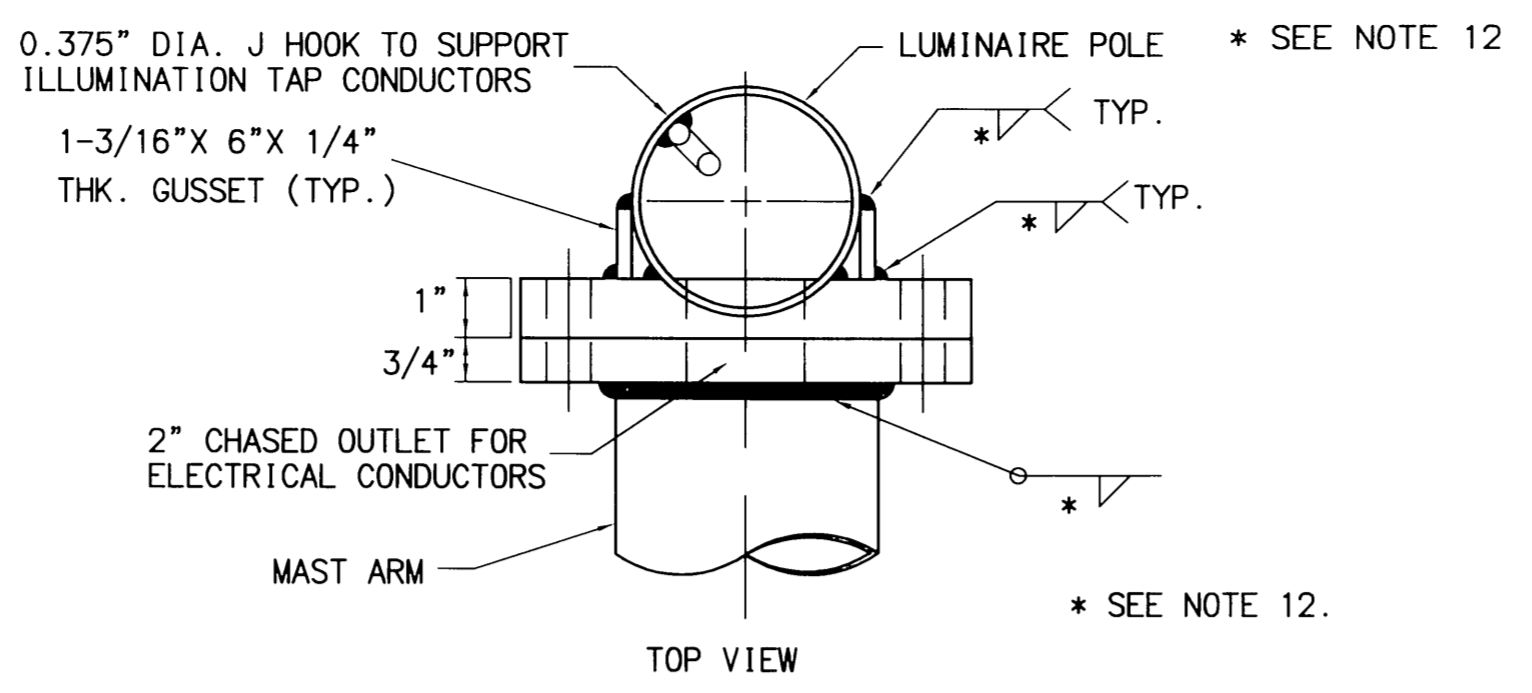


STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND
 PUBLIC FACILITIES
**KNIK-GOOSE BAY ROAD
 REHABILITATION**
 SIGN BRACING DETAIL FOR TUBES

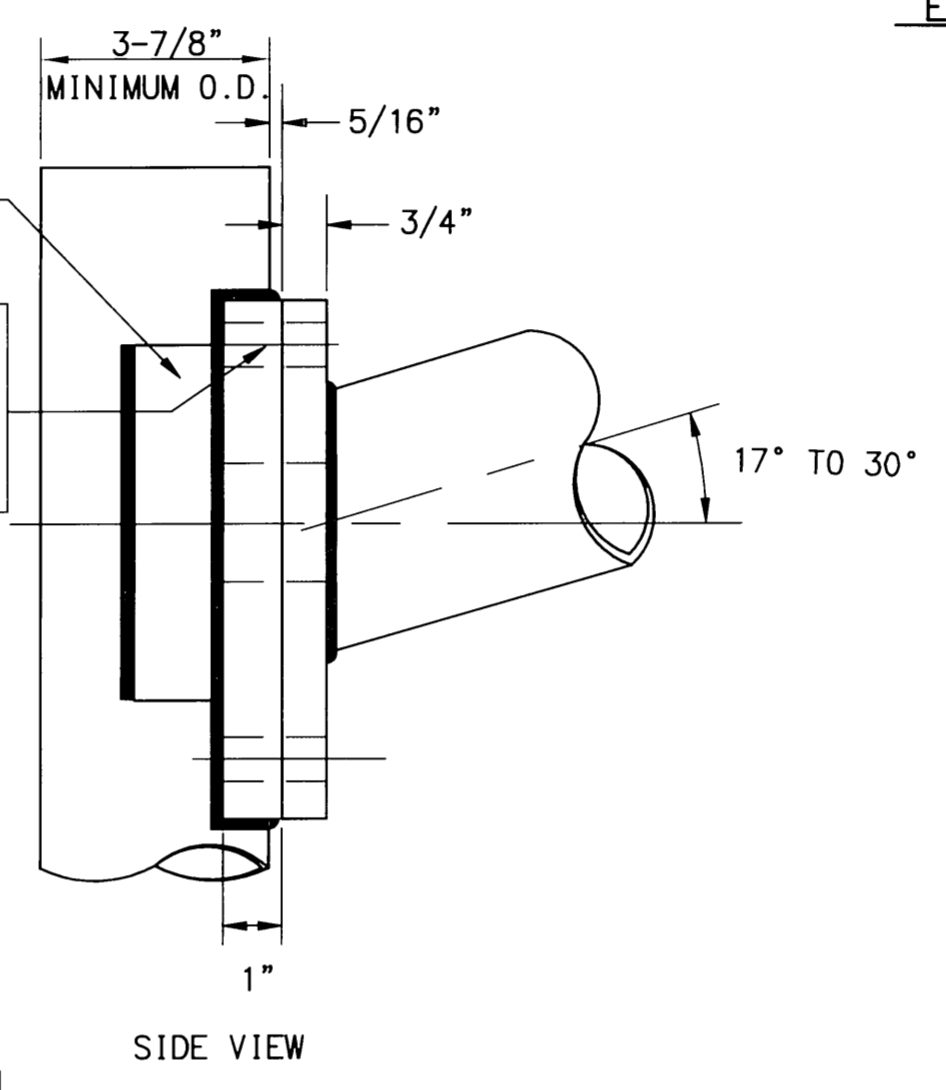
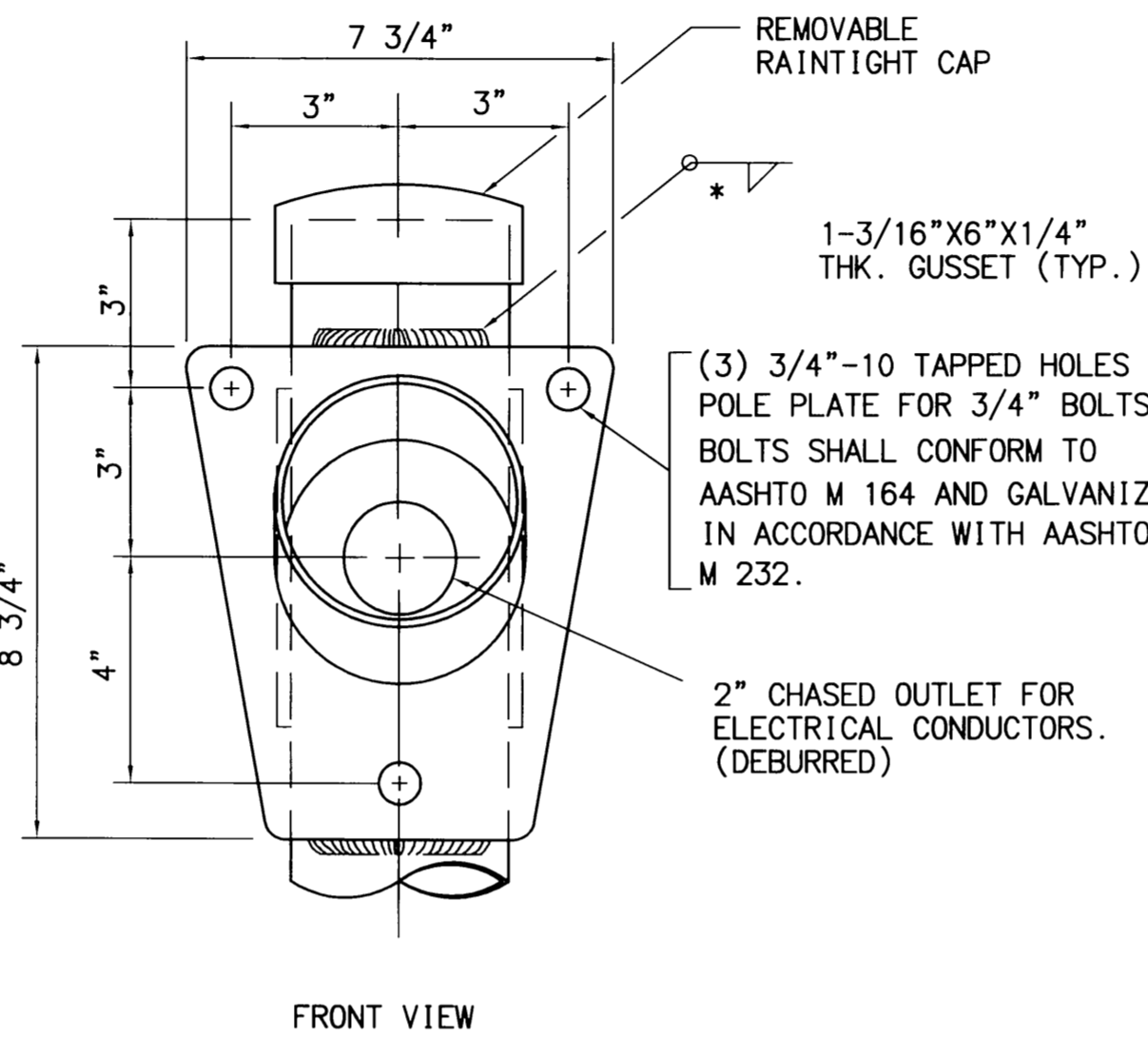
REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	CA-0525(11)/53922	2003	J30	J32



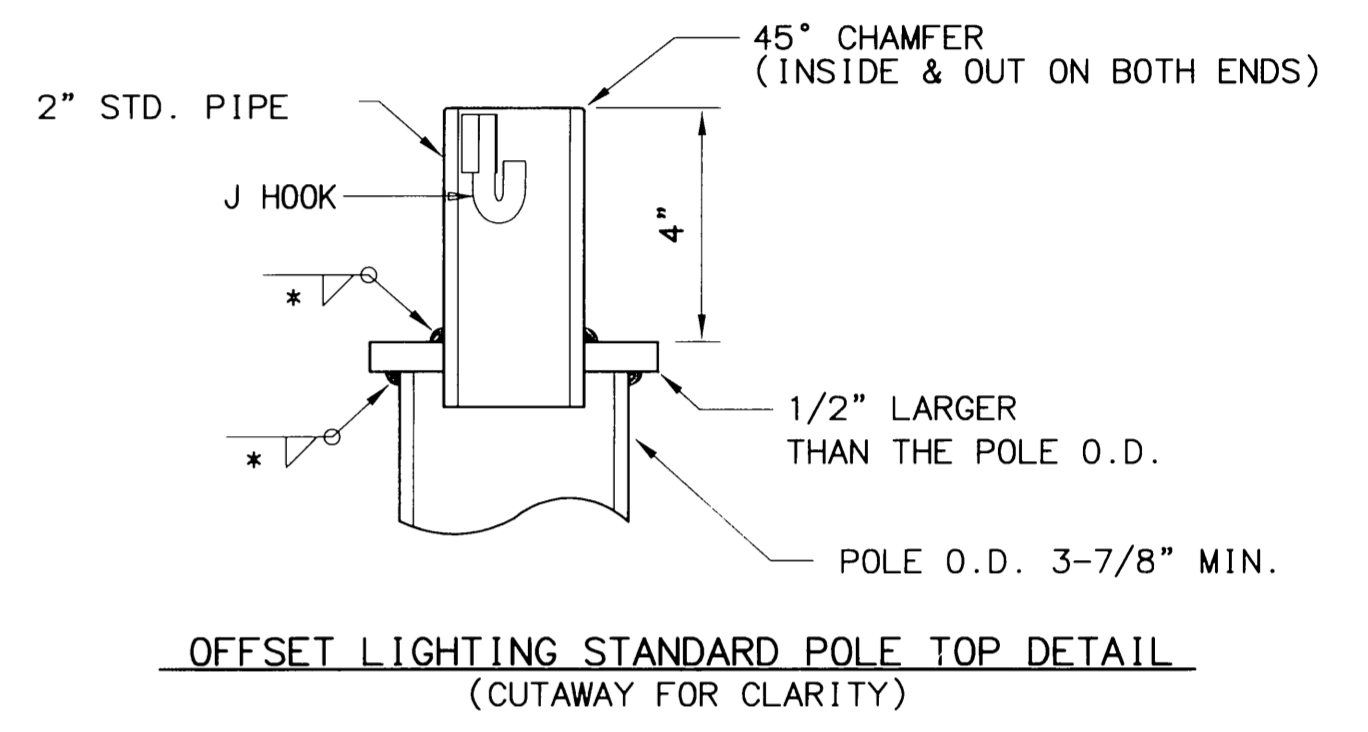
LENGTH	RISE
4'	1'-3"
6'	1'-9"
8'	2'-6"
10'	2'-9"
12'	3'-10"
15'	4'-6"
18'	5'-0"
20'	5'-10"
22'	6'-0"



END OF MAST ARM DETAIL



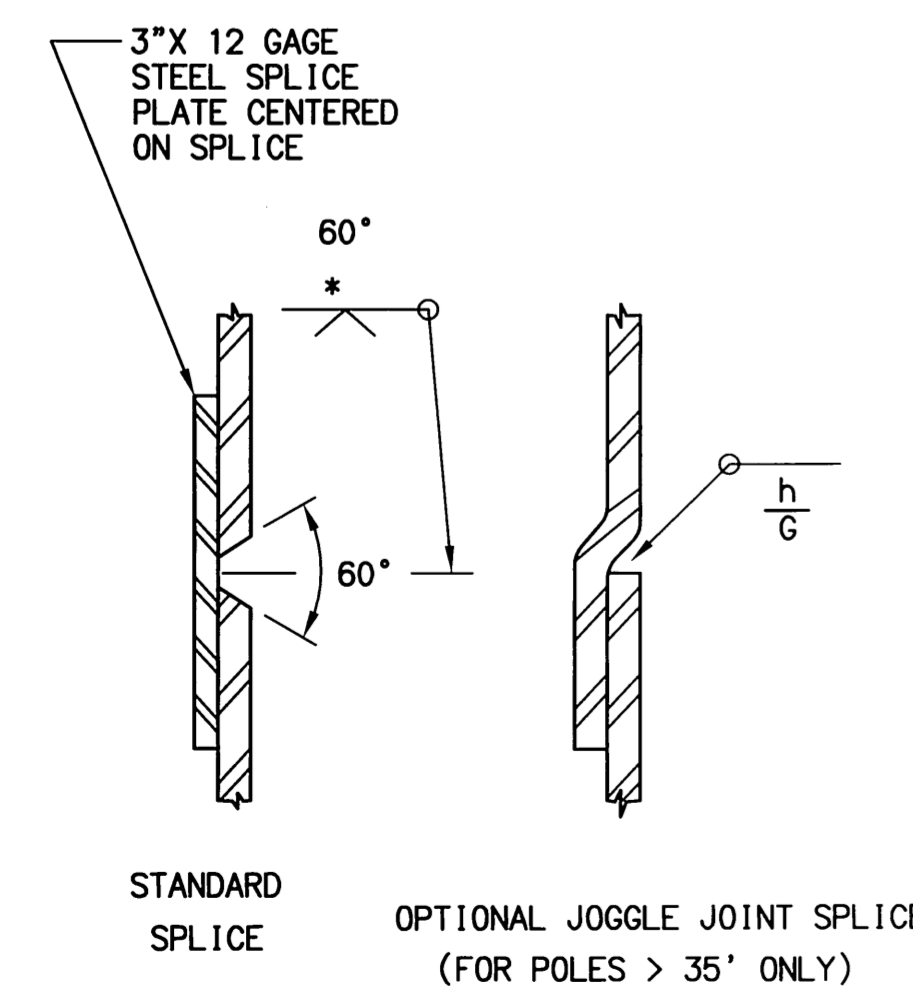
MAST ARM CONNECTION DETAIL



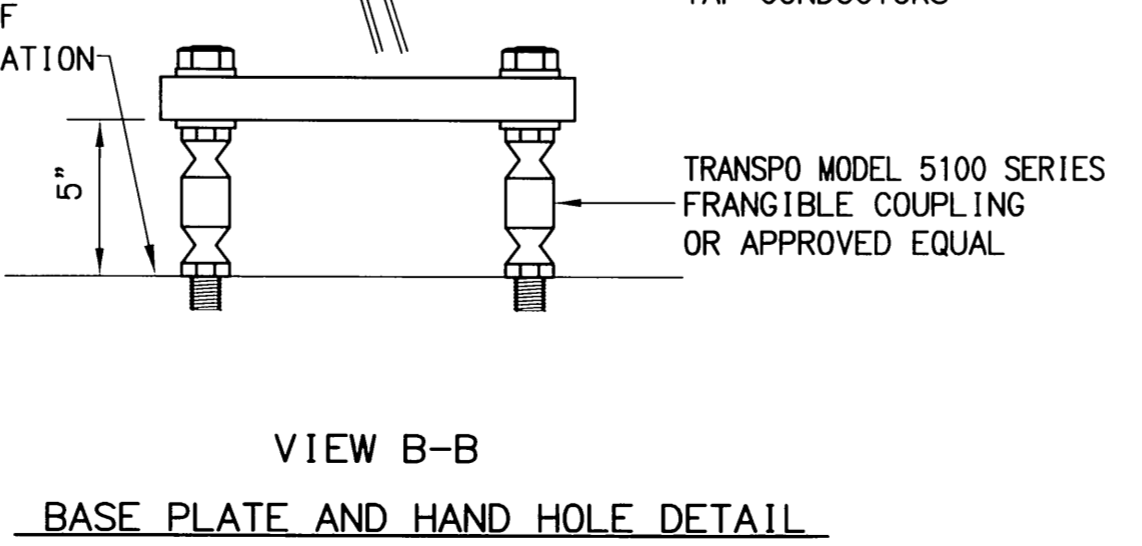
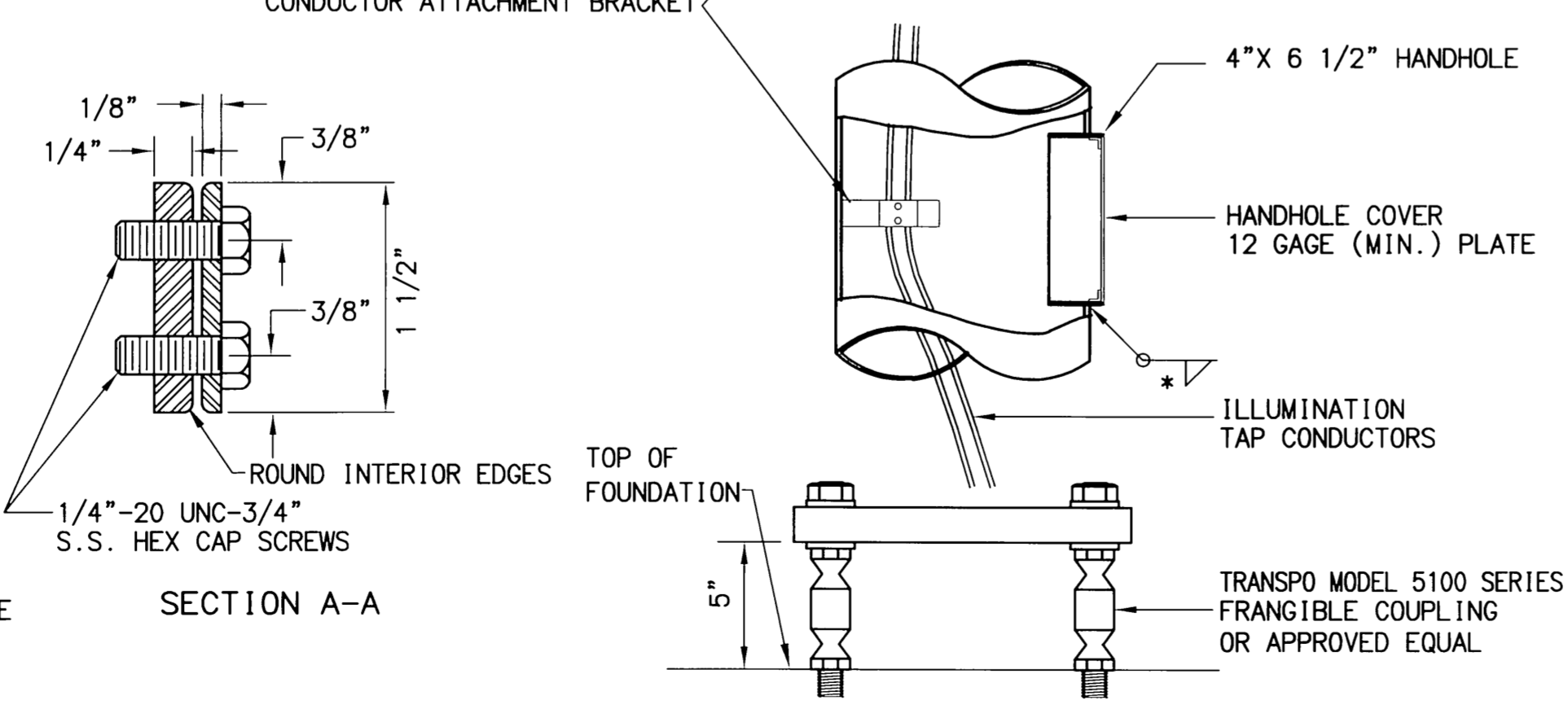
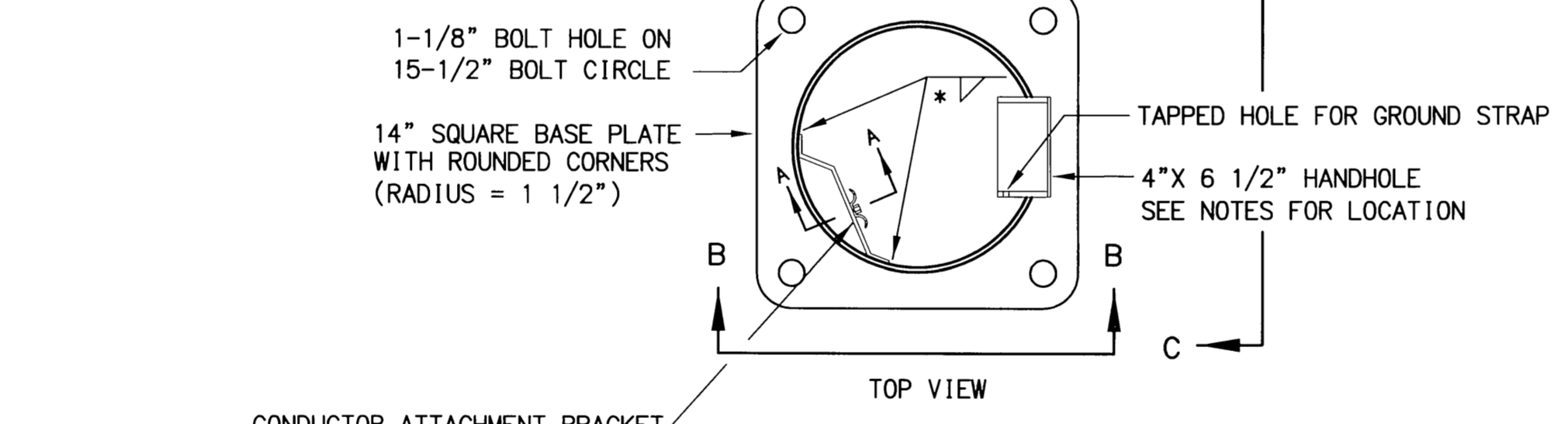
NOTES:

- DESIGN AND FABRICATE ALL SHAFTS TO SUPPORT A MAST ARM 22 FEET LONG WITH LUMINAIRE. ASSUME EACH LUMINAIRE WEIGHS 55 POUNDS AND HAS AN EFFECTIVE PROJECTED AREA OF 1.2 SQUARE FEET. WITH THIS DEAD LOAD, LIMIT THE ANGULAR ROTATION TO THE POLE TOP 1° 40" MAXIMUM.
- MOUNTING HEIGHT, IF SPECIFIED IN THE PLANS, REFERS TO THE HEIGHT OF LUMINAIRE ABOVE THE ROADWAY. ADJUST EACH POLE'S SHAFT LENGTH TO MAINTAIN THIS DIFFERENCE IN ELEVATION WHENEVER SLOPE AND/OR OFFSET VARIES.
- MINIMUM OUTSIDE DIAMETER AT THE TOP OF POLE EQUALS 3.875". POLE DIAMETER SHALL THEN TAPER UNIFORMLY FROM THE TOP OF POLE TO THE BASE PLATE.
- APPLY AN ANTI-SEIZING TO ALL THREADED SURFACES, INCLUDING THESE IN THE ANCHOR PLATE AND ON THE COUPLINGS.
- MAST ARM RISE MAY VARY ±0.5' FROM THE VALUES LISTED IN THE TABLE.
- LOCATE THE HANDHOLE AT 90 DEGREES TO THE MAST ARM ON THE SIDE OF POLE DOWNSTREAM FROM TRAFFIC FLOW.
- FURNISH ALL POLES WITH A J-HOOK TO SUPPORT THE ILLUMINATION TAP CONDUCTORS, AND ALL MAST ARM POLES WITH A REMOVABLE RAINTIGHT CAP.
- MOUNT LIGHTING STANDARDS UPON TRANSPO MODEL NO. 5100 FRANGIBLE COUPLINGS AND TRANSPO TYPE B FEMALE ANCHORS, OR APPROVED EQUAL.
- INSTALL ALL COMPONENTS OF THE BREAKAWAY SUPPORT SYSTEM IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS.
- FABRICATE THE SKIRT FROM FOUR PIECES OF 0.625 INCH THICK 3003 H-14 ALUMINUM SHEET. BEND EACH PLATE TO PROVIDE CORNERS WITH A 3/4" RADIUS. ASSEMBLE THE SKIRT WITH #10 X 5/8" SELF TAPPING STAINLESS SCREWS OR POP RIVETS. THE ASSEMBLED SKIRT MEASURES ABOUT 327 mm SQUARE.
- INSTALL THE JUNCTION BOX ON THE LEFT SIDE OF THE FOUNDATION (WHEN VIEWED FROM ROADWAY CENTERLINE) AND IMMEDIATELY BEHIND THE FOUNDATION.
- WELD SIZE TO BE DETERMINED BY MANUFACTURER.

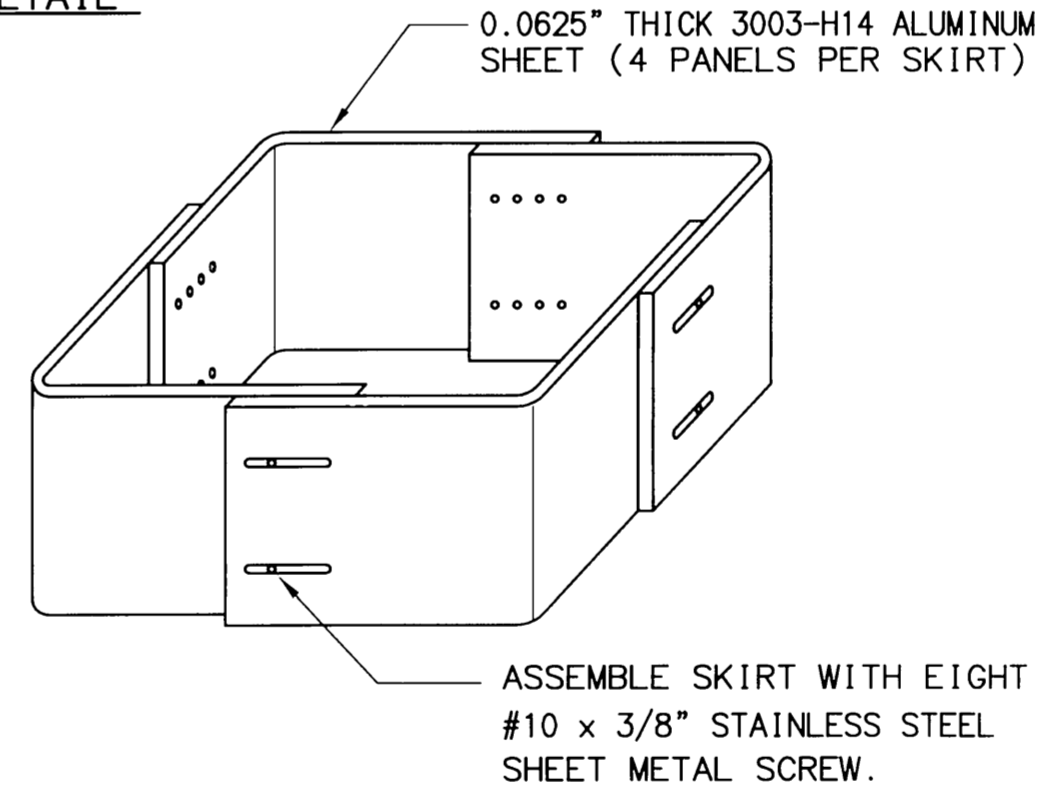
ELECTROLIER ELEVATION



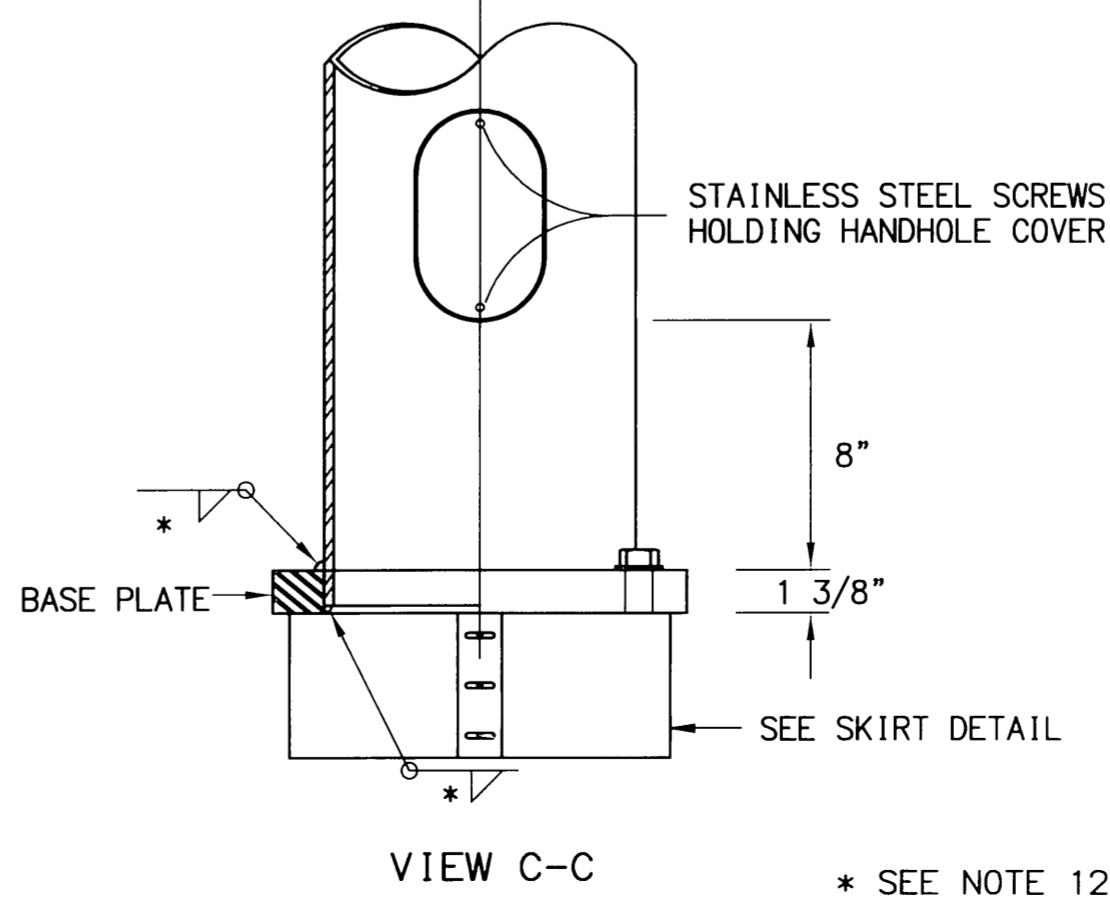
SPILCE DETAIL * SEE NOTE 12



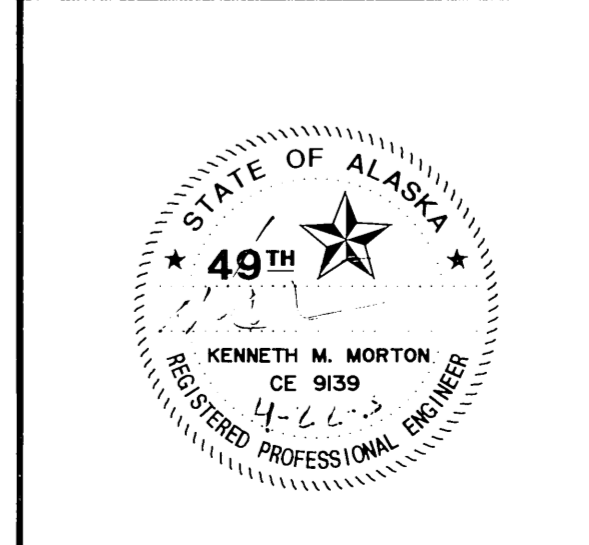
VIEW B-B BASE PLATE AND HAND HOLE DETAIL



SKIRT DETAIL



SPECIFICATIONS: 1:1
 SCALE: 1/4" = 1'-0"
 COMPUTER DESIGNATION: K2K-K111-TRAFFIC
 DESIGNED BY: RW
 CHECKED BY: RW
 PLOT SCALE: 1/4" = 1'-0"
 DATE: 08/14/02
 PROJECT: 11-10-02-002
 DRAWN BY: RW



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND
 PUBLIC FACILITIES
**KNIK-GOOSE BAY ROAD
 REHABILITATION**
 LIGHTING STANDARDS
 VERSION: 08/14/02

REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	CA-0525(11)/53922	2003	J31	J32

FOUNDATION NOTES:

DESIGN: AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORT FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGANLS, 4th EDITION 2001.

CONSTRUCTION: STATE OF ALASKA STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, 1998 METRIC EDITION WITH SPECIAL PROVISIONS.

WIND LOAD: 45 METERS PER SECOND.

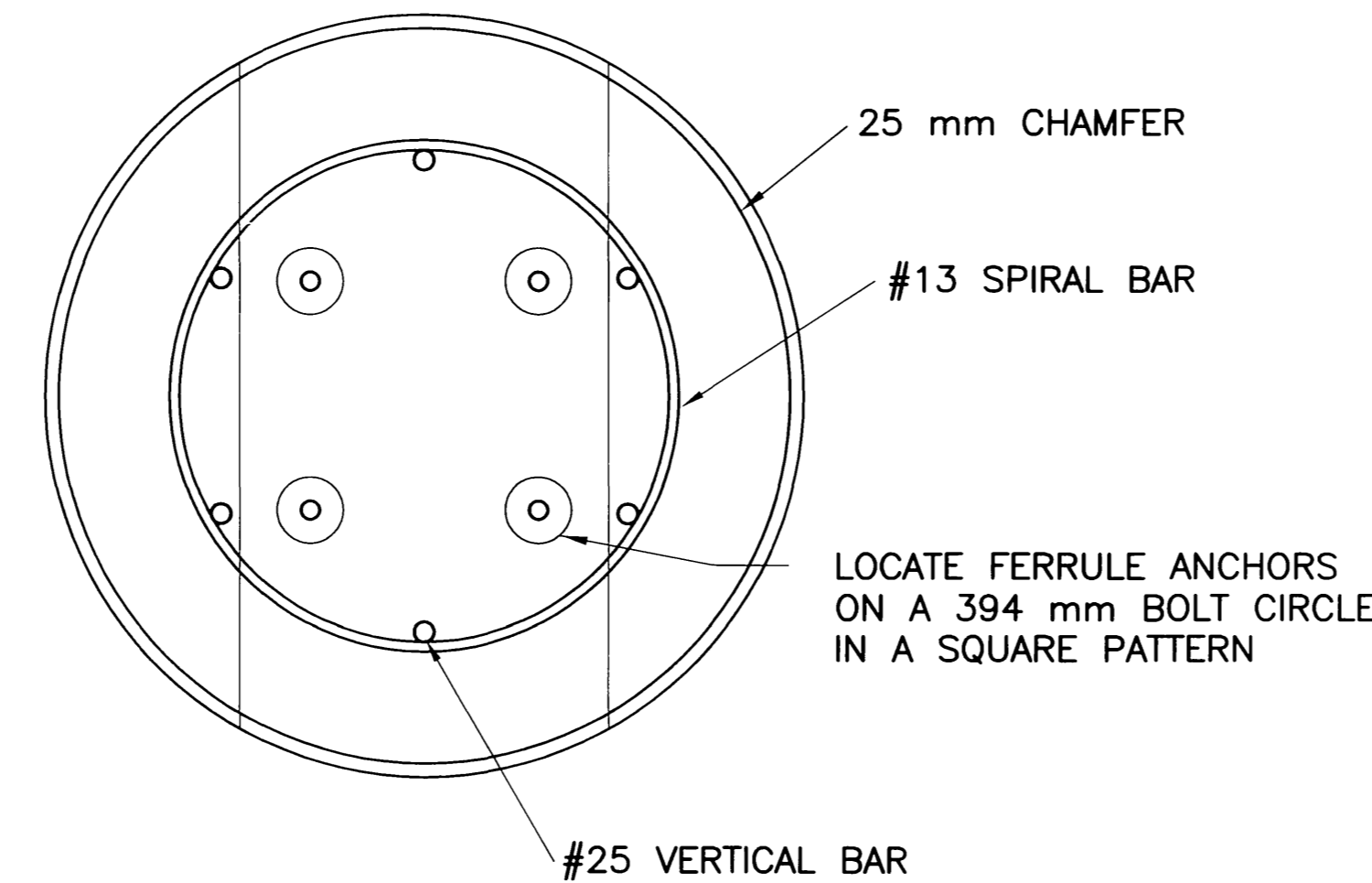
LIGHT SUPPORT DETAIL: FOUNDATION DESIGN BASED ON A MAXIMUM OF A 6.7 METER MAST ARM AND A 16.75 METER MOUNTING HEIGHT.

MATERIAL PROPERTIES

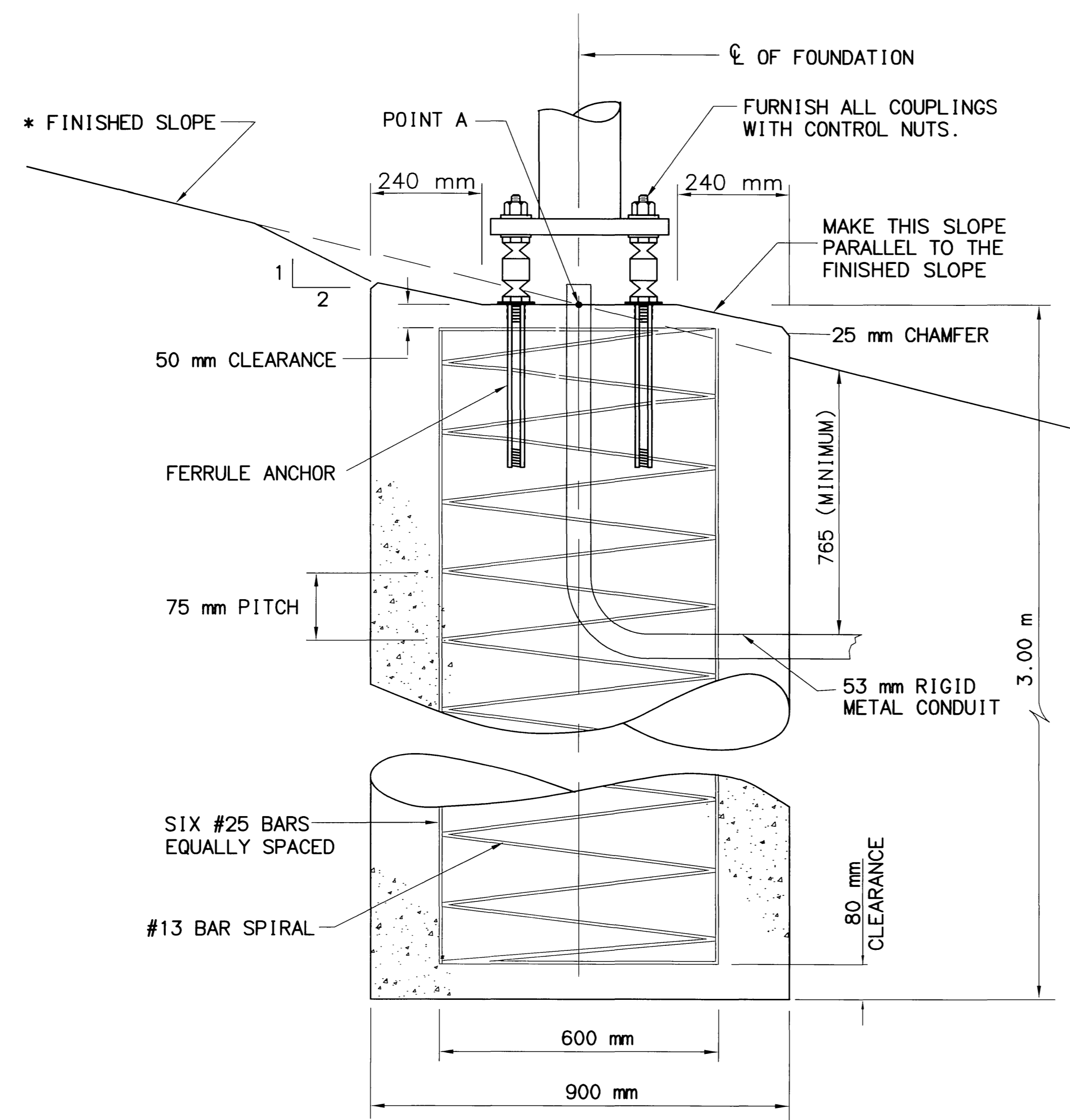
CONCRETE	CLASS A	F'c=28 Mpa
REINFORCING STEEL	ASTM A615M	Fy=420 Mpa

PORTLAND CEMENT CONCRETE FOUNDATION NOTES:

1. CAST ALL PORTLAND CEMENT CONCRETE FOUNDATIONS IN DRILLED HOLES AT THE LOCATIONS INDICATED IN THE PLANS.
2. COMPLETE ALL CONCRETE WORK IN CONFORMANCE WITH SECTIONS 501, 503, AND 660 OF THE STATE OF ALASKA STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.
3. INSTALL TYPE B FEMALE ANCHORS THAT ARE MANUFACTURED BY TRANSPO INDUSTRIES, INC AND COMPATIBLE WITH TRANSPO'S MODEL 5100 BREAKAWAY SUPPORT COUPLINGS OR APPROVED EQUAL SYSTEM. INSTALL ALL ANCHORS ACCORDING TO THE MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS.
4. USE FINISHED SLOPES AND A STRAIGHT EDGE TO DETERMINE THE TOP OF CONCRETE FOUNDATION. USE BLOCKS, IF NECESSARY TO ALLOW FOR TOPSOIL THICKNESS.
5. THE TOP SURFACE OF THESE FOUNDATIONS MAY VARY A MAXIMUM OF 100 mm BELOW TO 0 mm ABOVE THE INTERSECTION OF THE FINISHED SLOPE AND THE CENTERLINE OF THE FOUNDATION.
6. CHAMFER ALL EXPOSED CONCRETE EDGES 25 mm.
7. FURNISH ALL SPIRAL REBAR CAGES WITH 1-1/2 TURNS OF REBAR AT TOP AND BOTTOM OF SPIRAL.
8. BACKFILL AND COMPACT THE TOP 1.2 m SPACE AROUND FORMS IN 200 mm LIFTS WITH A CEMENT-SOIL MIXTURE, CONSISTING OF 4 SACKS OF PORTLAND CEMENT PER CUBIC METER OF SOIL.
9. TERMINATE THE 53 mm CONDUIT 25 mm ABOVE THE TOP OF FOUNDATION.
10. NO SPECIAL GRADING AROUND THE FOUNDATION IS REQUIRED, FOR SLOPES 1:4 AND FLATTER. FOR SLOPES BETWEEN 1:3 AND 1:4, DEPRESS THE TOP OF FOUNDATION 50 mm.



CIDH CONCRETE FOUNDATION
PLAN VIEW



PORTLAND CEMENT CONCRETE FOUNDATION
WITH FERRULE ANCHORS

* TOP OF TOPSOIL, WHEN THE TYPICAL SECTION INCLUDES TOPSOIL

THIS DETAIL USES SI UNITS OF MEASURE.



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES
**KNIK-GOOSE BAY ROAD
REHABILITATION**
FOUNDATION DETAILS
FOR LIGHTING STANDARDS WITH
FRANGIBLE COUPLING BASES

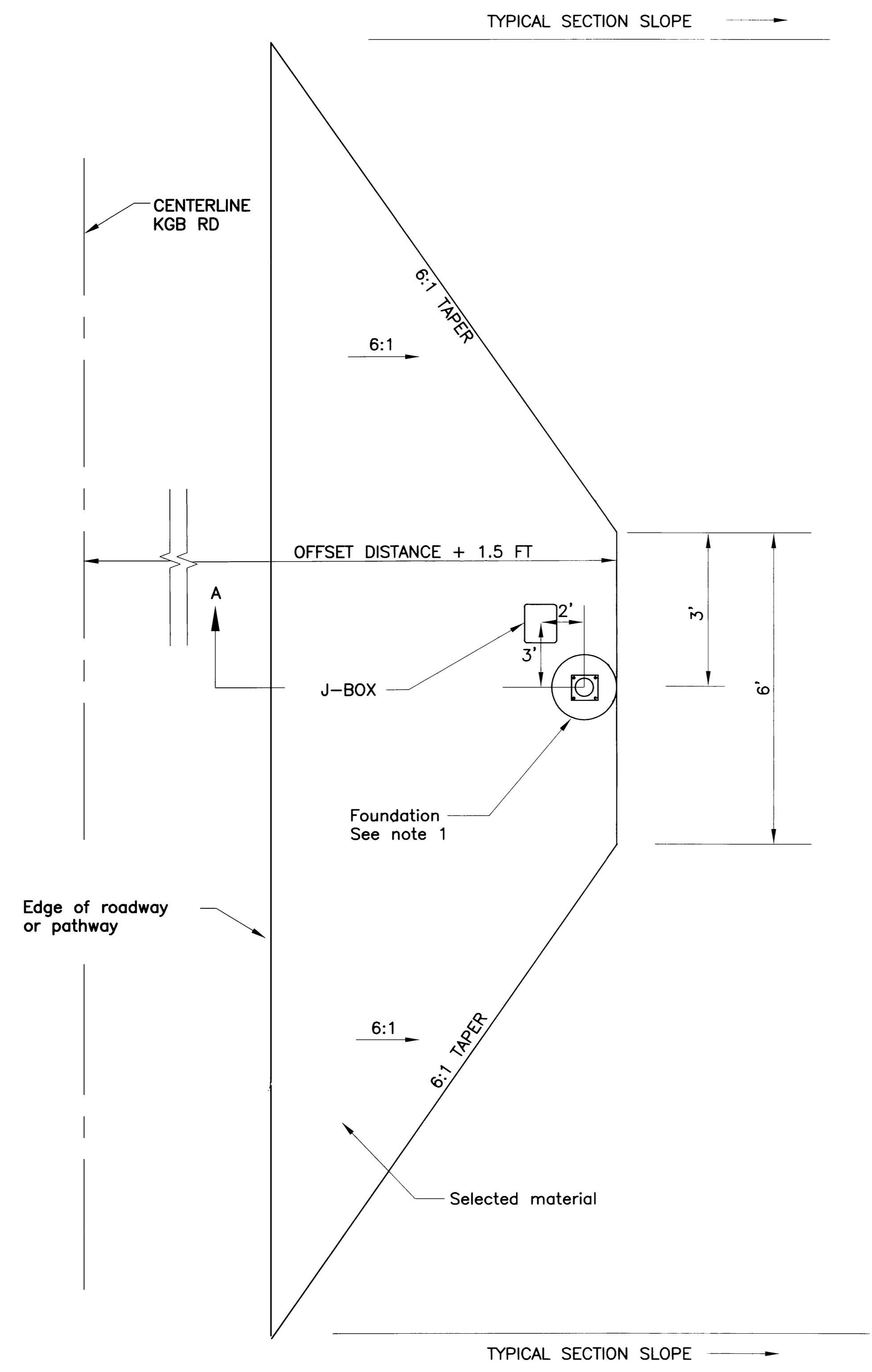
SPECIFICATIONS: ARK-KU-TRAFFIC K:\Projects\masha\53922_KGB Road\GCB\kjb.lite foundation.dwg 03/07/2003 07:56:50 AM AST
 SCALE: 1"=1' PLOT SCALE: 1:1
 DESIGNED BY: [blank] CHECKED BY: [blank] DRAWN BY: [blank]

REVISIONS		
No.	DATE	DESCRIPTION

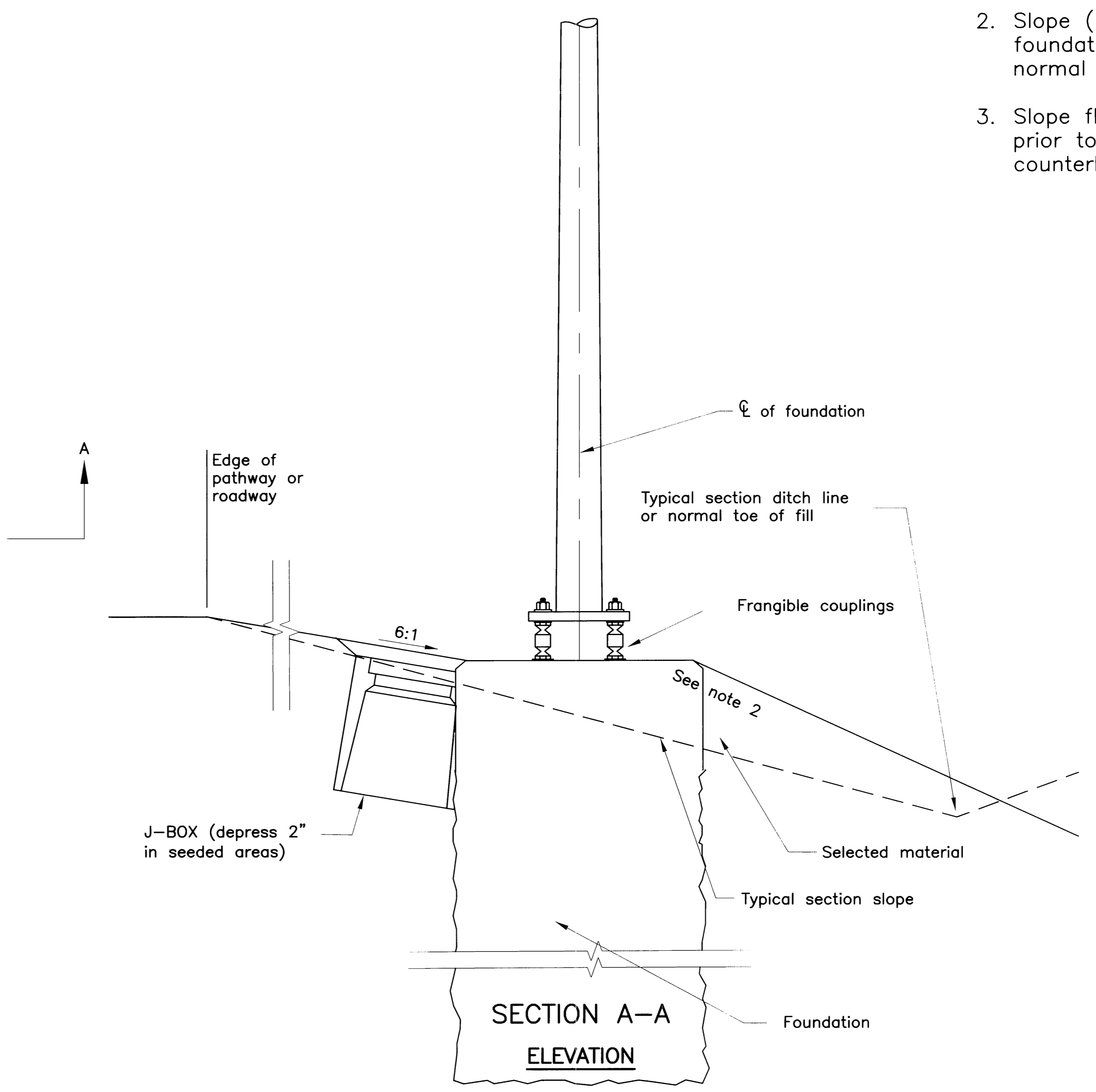
PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
CA-0525(11)/53922	2003	J32	J32

GENERAL NOTES:

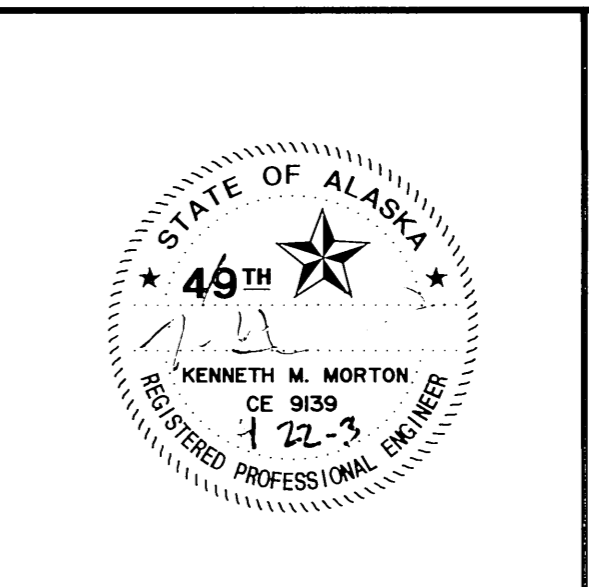
1. Warp slope to top circumference of pole foundation.
2. Slope (1.5:1 max.) from top edge of pole foundation to typical section ditchline or normal toe of fill.
3. Slope flattened pad shall be constructed prior to pouring foundation or constructing counterbalance stabilizing berm.



PLAN



SPECIFICATIONS: AK-KIM-TRAFFIC
 SCALE: 1"=1'
 COMPUTER DESIGNATION: K:\Projects\NIN0101\53922 KGB Road\Cont\15.00A Final Draft.dwg 03/19/2003 09:08:31 AM AST
 DESIGNED BY: KRW
 CHECKED BY:
 DRAFTED BY:

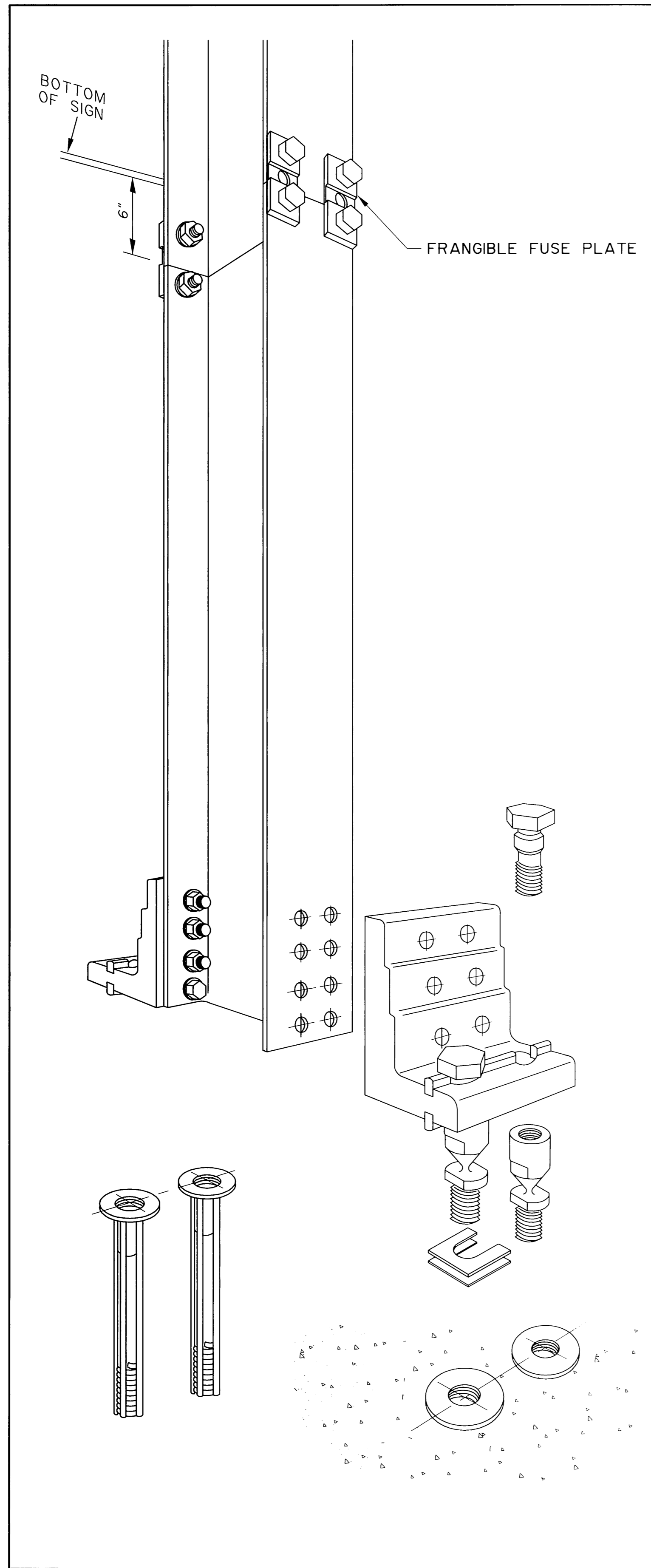


STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND
 PUBLIC FACILITIES

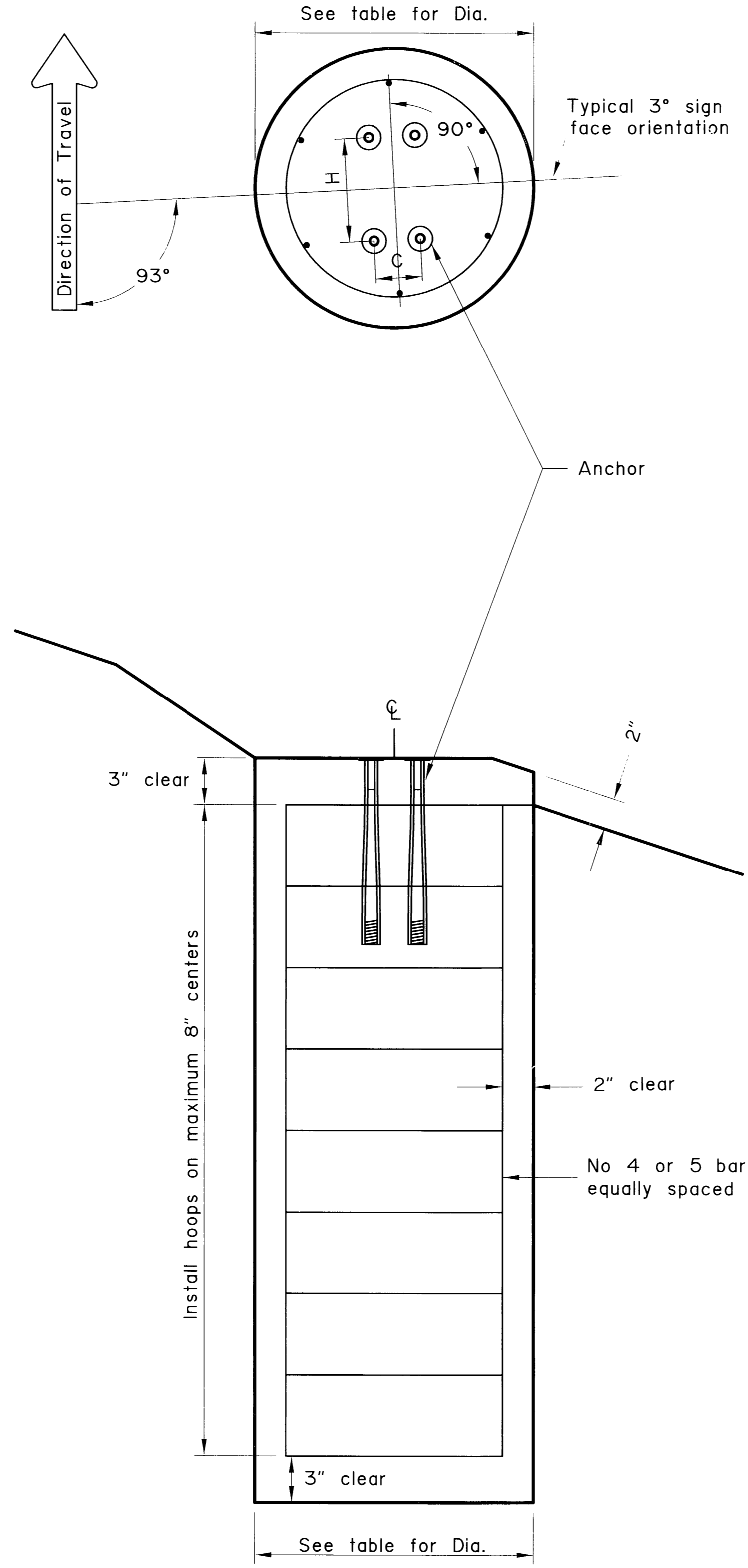
**KNIK-GOOSE BAY ROAD
 REHABILITATION**

**SLOPE FLATTENING
 FOR BREAKAWAY
 LIGHT STANDARDS**

SPECIFICATIONS: 11-11
 SCALE: 1"=1'-0"
 COMPUTER DESIGNATION: AKK-KIUI-TRAFFIC
 DESIGNED BY: 081649 AM ADT
 CHECKED BY: 081649 AM ADT
 DRAWN BY: KRW



W SHAPE HINGED JOINT



SIGN POST FOUNDATION

Post Size & Type	Foundation *			Reinforcement			
	Dia.	Min. Depth	C.Y. Conc.	Vertical Bars Qty. Size Lgth.	Hoops Qty. Size Dia. Lgth.		
2 1/2" Pipe	12"	4'-0"	0.12	6 4 3'-6"	7 4 8"	2.1'	
3" Pipe	18"	4'-0"	0.26	6 4 3'-6"	7 4 14"	3.7'	
3 1/2" Pipe	18"	4'-6"	0.29	6 4 4'-0"	8 4 14"	3.7'	
4" Pipe	18"	5'-0"	0.33	6 4 4'-6"	8 4 14"	3.7'	
2 1/2" Tube	12"	4'-6"	0.13	6 4 4'-0"	8 4 8"	2.1'	
3" Tube	18"	4'-0"	0.26	6 4 3'-6"	7 4 14"	3.7'	
3 1/2" Tube	18"	4'-6"	0.29	6 4 4'-0"	8 4 14"	3.7'	
4" Tube	30"	4'-0"	0.73	7 5 3'-6"	7 4 26"	6.8'	
4 1/2" Tube	30"	4'-6"	0.82	7 5 4'-0"	8 4 26"	6.8'	
5" Tube	30"	5'-6"	1.00	7 5 5'-0"	9 4 26"	6.8'	
W6 x 9	30"	4'-0"	0.73	8 5 3'-6"	7 4 26"	6.8'	
W6 x 12	30"	4'-6"	0.82	8 5 4'-0"	8 4 26"	6.8'	
W6 x 15	36"	6'-6"	1.70	8 5 5'-0"	11 4 32"	8.4'	
W6 x 20	36"	7'-6"	1.96	8 5 5'-0"	12 4 32"	8.4'	

*FOUNDATIONS SIZED FOR USE WHERE THERE ARE NO LOOSE, HIGH MOISTURE, OR FINE GRAINED SOILS. CONTACT THE STATE GEOTECHNICAL ENGINEER WHEN THESE SOILS ARE ENCOUNTERED.

FOUNDATION TABLE

- NOTES:
- Furnish the sign posts specified in the Plans with FHWA approved breakaway bases designed for use with all directions of impact. The breakaway bases used shall not include specific torque requirements and shall meet NCHRP 350 Test Level 3 criteria.
 - Install frangible fuse plates on all hinged joints in W shape sign posts.
 - Cast all sign post foundations in accordance with Alaska Standard Specification 660-2.03. Furnish grade 60 steel bars for concrete reinforcement conforming to AASHTO M31.
 - Install the anchors using templates made from steel channel. Locate the anchors on centers recommended by the base manufacturer.
 - Install the anchors in fresh concrete as recommended by the manufacturer. Adjust the template's final position until it is level in all directions using a carpenter's level. Remove all foundations that need more than 2 shims under any 1 coupling or more than 3 shims under any 2 couplings to plumb the post. Replace all foundations that are removed with foundations that meet the criteria for level.
 - Drill the holes for attaching brackets before the sign posts are hot dip galvanized. Test fit templates in the holes to ensure the brackets can be installed square to the posts. Remove all holes that do not allow the brackets to be squared to the tube.
 - Install the components of the breakaway bases in accordance with the written installation instructions of the base manufacturer.

STATE OF ALASKA
49TH
KENNETH M. MORTON
CE 9139
5-23-03
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

**KNIK-GOOSE BAY ROAD
REHABILITATION**

**SIGN POST BASE
& FOUNDATION DETAILS**

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	CA-0525(III)/53922	2003	MI	M7

DRAWING SHEET INDEX	
SHEET NO.	DESCRIPTION
M1	ATR DETAILS
M2	ATR SITE PLAN
M3	IVR LAYOUTS, CONDUIT AND CONDUCTOR SCHEDULES, AND WIRING DIAGRAM
M4	ASPHALT LOOP DETAILS
M5	ATR CBAI CABINET DETAILS
M6	ATR SPLICE DETAILS
M7	ATR JUNCTION BOX DETAILS

ATR ASSEMBLIES SCHEDULE							
RECORDER NUMBER	ATR TYPE	SITE NUMBER	STATION	CABINET OFFSET <I>	CABINET ASSEMBLY STYLE	INDUCTIVE LOOPS (QTY.)	
H1	IVR	57387500	41+15	40' RT.	CBAI	2	
H2	IVR	57388500	61+00 66+00	30' RT. LT.	CBAI	2	
H3	IVR	57393000	105+50	35' LT.	CBAI	2	
H4	IVR	57397000	178+00	40' LT.	CBAI	2	
H5	IVR	57403000	219+00	40' RT.	CBAI	2	
H6	IVR	57407000	295+00	35' LT.	CBAI	2	
H7	IVR	57412000	399+00	40' RT.	CBAI	2	
H8	IVR	57418000	684+50	40' RT.	CBAI	2	
H9	IVR	57419000	985+50	40' RT.	CBAI	2	

<I> CABINET OFFSET AS MEASURED FROM THE CENTERLINE, TO FIELD ADJUSTED, USE THIS VALUE FOR BID PURPOSES.

GENERAL NOTES

1. INSTALLATION OF EQUIPMENT AND MATERIALS SHALL CONFORM TO APPLICABLE REQUIREMENTS OF THE CURRENT NATIONAL ELECTRICAL CODE, ALASKA DOTPF STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION AND LOCAL AMENDMENTS.
2. EVERY EFFORT HAS BEEN MADE TO MAKE THE INFORMATION CONTAINED IN THESE DOCUMENTS COMPLETE AND ACCURATE. HOWEVER THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING SITE CONDITIONS AND DIMENSIONS.
3. PVC FROM JUNCTION BOXES TO TRAFFIC LOOPS IS NOT ALLOWED. USE ONLY RMC OR IMC.

REFERENCE SPECIFICATIONS

ALL WIRING IN THIS SECTION SHALL BE CONSTRUCTED PER SPECIFICATION SECTION 660 SIGNALS AND LIGHTING, EXCEPT WHERE NOTED ON THE PLANS OR IN THE SPECIAL PROVISIONS. IN PARTICULAR, ALL CONSTRUCTION SHALL CONFORM TO SPECIFICATION SECTIONS 660-3.03 CONDUIT, 660-3.04 JUNCTION BOXES, 740-2.05 CONDUCTORS, 660-3.05 WIRING, 660-3.06 BONDING AND GROUNDING, AND 660-3.01.7 FIELD TEST, EXCEPT AS MODIFIED BY SECTION 669 AUTOMATED TRAFFIC RECORDERS.

INDUCTIVE LOOPS

ALL INDUCTIVE LOOPS SHALL BE WOUND IN THE SAME DIRECTION WITH THE STARTING LEAD MARKED "S" PER SECTION 660-209(A).

LEAD-IN WIRES FOR EACH LOOP SHALL BE IN SEPARATE CONDUITS TO THE FIRST JUNCTION BOX. THESE CONDUITS SHALL BE SEPARATED FROM OTHER LOOPS BY A MINIMUM OF 1 FOOT.

INDUCTIVE LOOPS SHALL BE INSTALLED IMMEDIATELY PRIOR TO PAVING THIS SECTION OF ROADWAY. FINAL LIFT ASPHALT PAVEMENT SHALL BE SMOOTH OVER ALL INDUCTIVE LOOPS AND WITHOUT TRANSVERSE SEAMS, JOINTS, OR ROUGHNESS WITHIN 50 FEET. OF THE LOOPS.

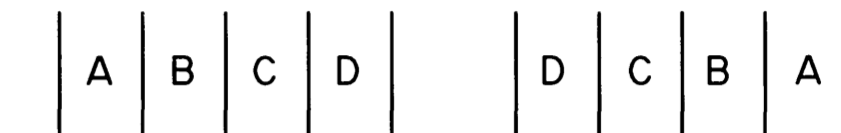
LABELS

ALL CABLES SHALL BE LABELED AT BOTH ENDS AND AT EVERY JUNCTION BOX THROUGH WHICH THE CABLES PASS.

ALL WIRE PAIRS SHALL BE LABELED AT THE TERMINAL BLOCK AND AT ANY LOOSE ENDS.

THE FOLLOWING CONVENTIONS SHALL APPLY TO DESIGNATING AND LABELING CABLES AND WIRE PAIRS:

LANES: TRAFFIC LANES AND THEIR RESPECTIVE LOOPS AND SENSORS SHALL BE LABELED FROM THE OUTSIDE EDGE OF THE ROAD TOWARD THE CENTER AS FOLLOWS:



TERMINAL BLOCKS: WIRES FROM SENSORS PLACED IN LANES WHICH ARE CLOSET TO THE CONTROL BOX SHALL BE PLACED AT THE LEFT OR AT THE TOP OF THE TERMINAL BLOCK, DEPENDING ON ORIENTATION.

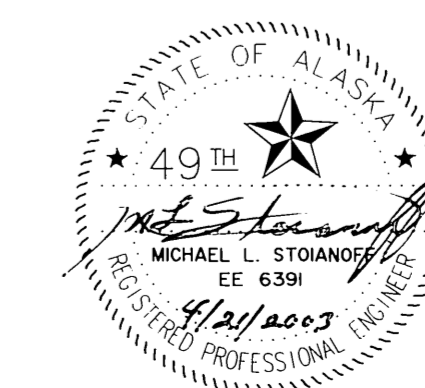
WIRES FOR INDUCTIVE LOOPS, SENSORS AND RESERVES ARE LABELED AS FOLLOWS:

PnDLc

WHERE:

- P IS THE PREFIX:
 - V TRAFFIC VOLUME LOOP
 - H VEHICLE CLASSIFICATION / SPEED LOOP
 - GL AUTOMATIC VEHICLE CLASSIFICATION (AVC) LOOP
 - GP AUTOMATIC VEHICLE CLASSIFICATION PIEZO
- n NUMBER SUFFIX FOR MULTIPLE LOOPS IN THE SAME LANE
- D DIRECTION (N,S,E,W, NE,SE,SW,NW)
- L IS THE PREFIX FOR ROAD DESIGNAION
 - L - LANE*
 - R - RAMP**
 - SR - SPUR RAMP**
 - LP - LOOP**
 - LR - LOOP RAMP**
 - * ROADS AND HIGHWAYS
 - ** INTERCHANGES
- c IS THE SUFFIX FOR LANE DESIGNATION (A, B, C, D)
- (X) CONDUIT REFERENCE NUMBER
- [X] NOTE REFERENCE NUMBER
- RMC RIGID METAL CONDUIT, GALVANIZED
- IMC INTERMEDIATE METAL CONDUIT
- # - DETAIL NO.
- F# - DRAWN ON SHEET #

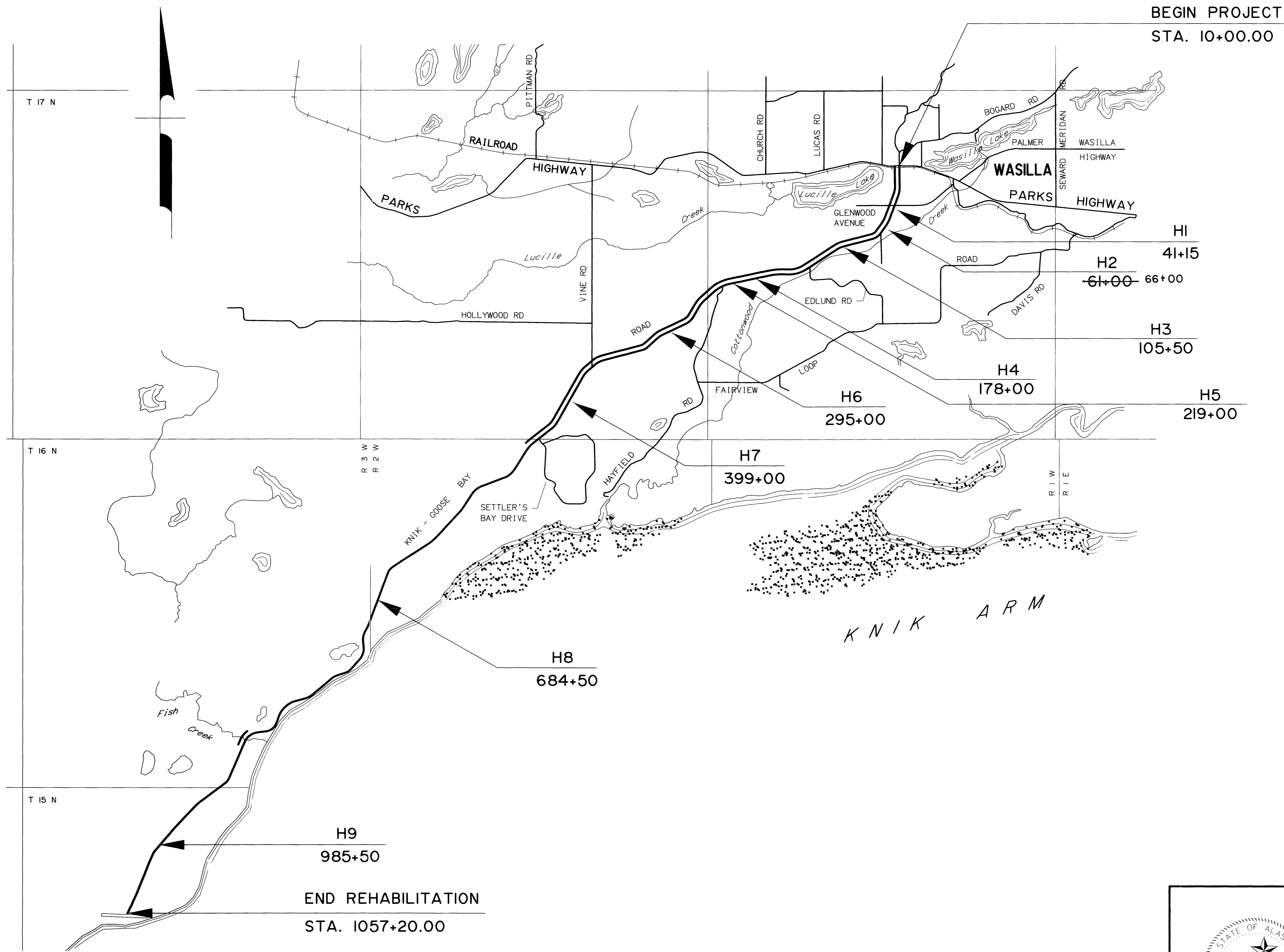
DESIGNED BY: [] CHECKED BY: [] DRAFTED BY: []
 3/12/03
 VIEW 1
 SCALE 1"= []
 COMPUTER DESIGNATION: AUTOCAD/CAROLEE-ATR/PROJ/53922/LOCATION



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND
 PUBLIC FACILITIES
**KNIK-GOOSE BAY ROAD
 REHABILITATION AND PATHWAY**

ATR DETAILS

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	CA-0525(III)/53922	2003	M2	M7



SPECIFICATIONS SCALE 1"=100' COMPUTER DESIGNATION
 VIEW 2 AUTOCAD/CAROL/EE/ATR/PROJ/53922/LOCATION
 VIEW 1
 DESIGNED BY CHECKED BY DRAFTED BY
 3/12/03
 CJ

1 SITE PLAN
M2 NTS

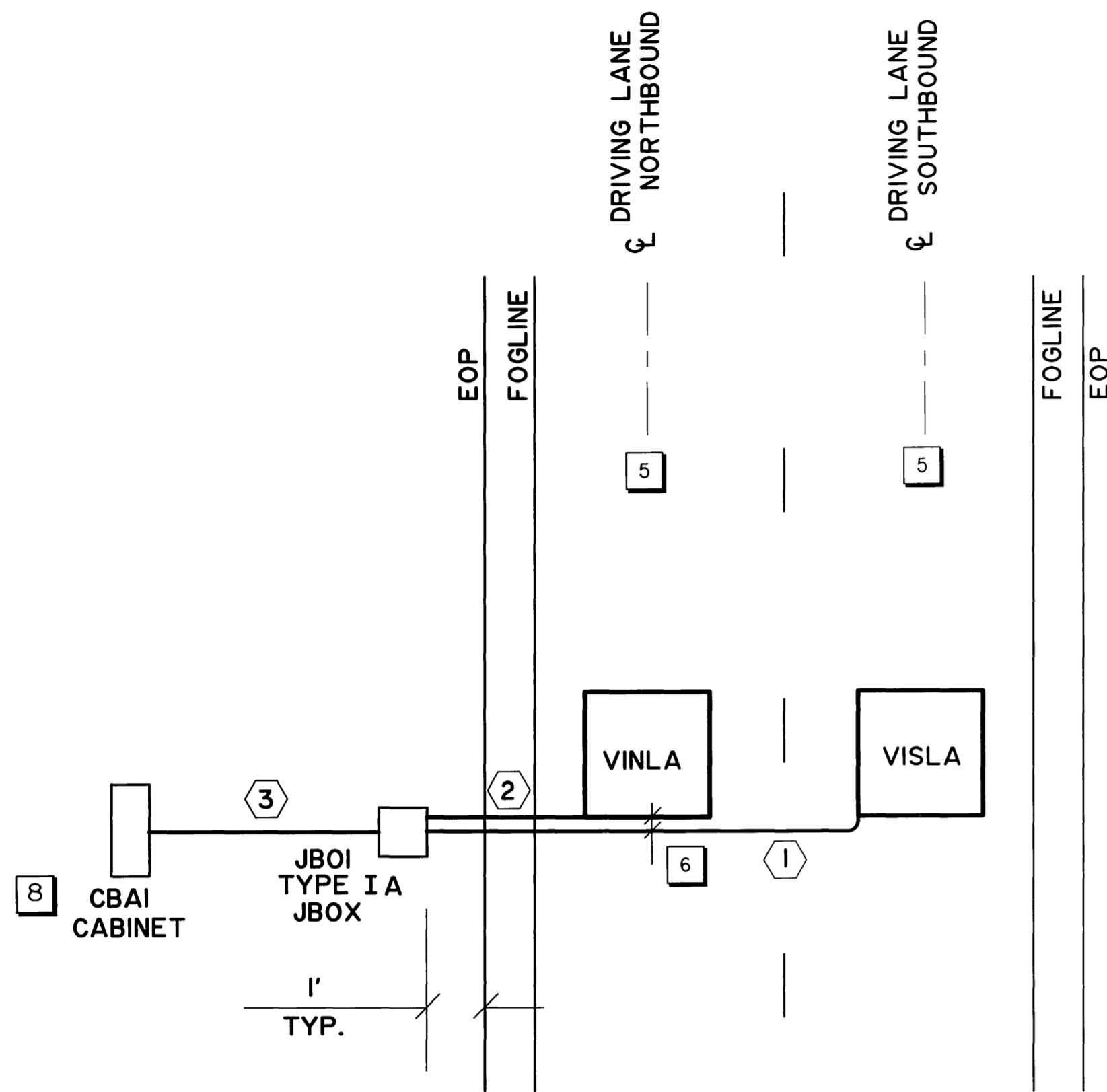


STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES
**KNIK-GOOSE BAY ROAD
REHABILITATION AND PATHWAY**

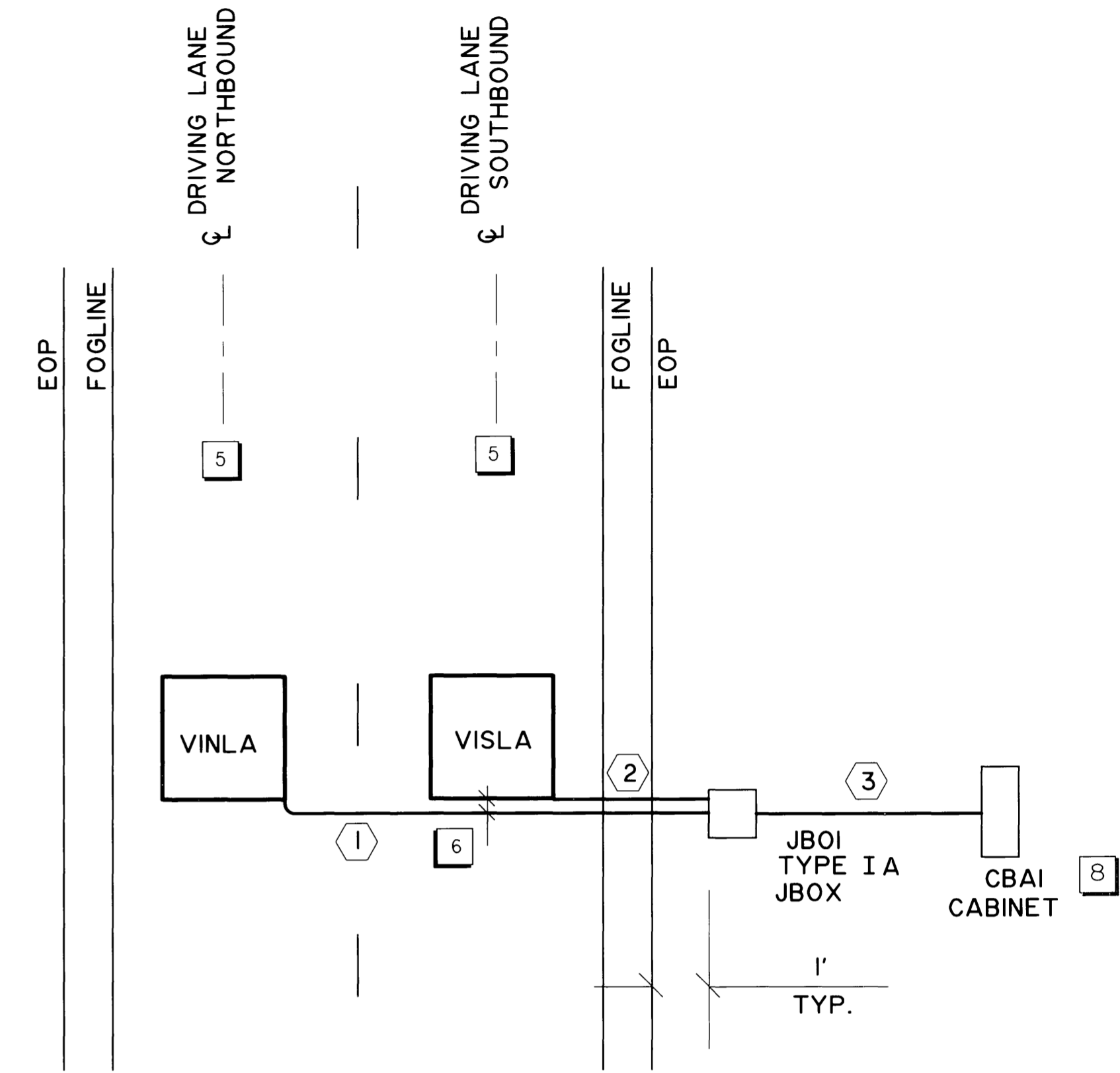
ATR SITE PLAN

LAYOUT NOTES

- ALL PVC CONDUIT AND FITTINGS SHALL BE 1 INCH SCHEDULE 80.
- INSTALL 1/2 INCH PREFORMED BITUMINOUS JOINT MATERIAL BETWEEN JBOX AND PAVEMENT WHEN JBOXES ARE LOCATED IMMEDIATELY ADJACENT TO A SIDEWALK OR ROAD SURFACE.
- PROVIDE GROUNDING BUSHINGS ON ALL CONDUITS. GROUND WITH A MINIMUM #6 BARE CU.
- INSTALL ALL LOOP DETECTORS PRIOR TO OVERLAYING PAVEMENT.
 - 5 LOOPS TO BE CENTERED IN LANE.
 - 6 MINIMUM SPACING BETWEEN TAIL AND LOOP OR PIEZO IS 1 FOOT. SENSOR TAILS SHALL NOT CROSS EACH OTHER.
 - 7 SPLICE LOOP WIRING TO MULTI-PAIR CABLE USING NONREENTERABLE, WET LOCATION SPLICE. SEE DETAIL.
 - 8 CABINET DOOR TO OPEN AWAY FROM ROADWAY.

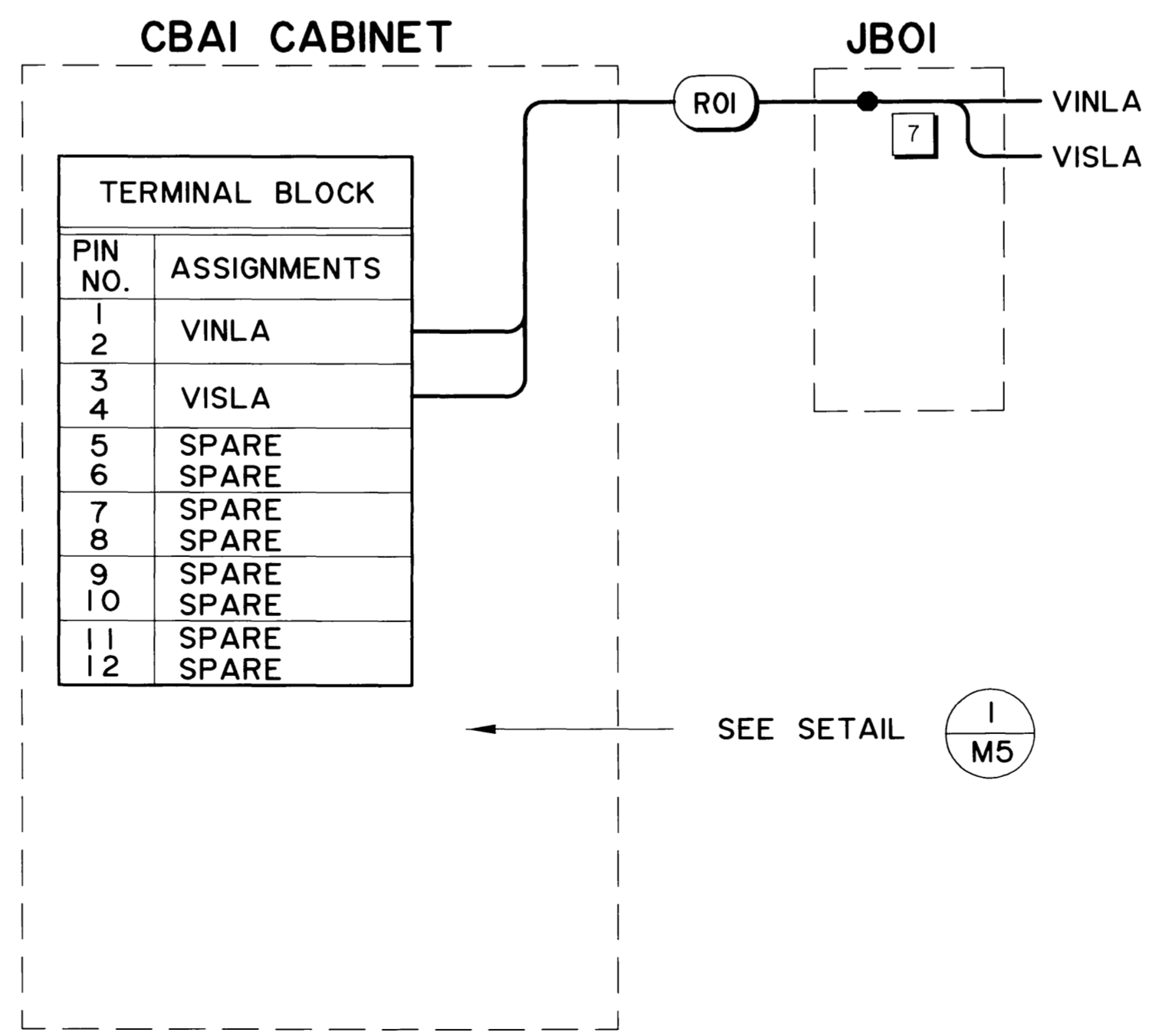


1 M3
SENSOR, J-BOX AND CABINET LAYOUT
H3, H4 AND H6



2 M3
SENSOR, J-BOX AND CABINET LAYOUT
H1, H2, H5, H7, H8, AND H9

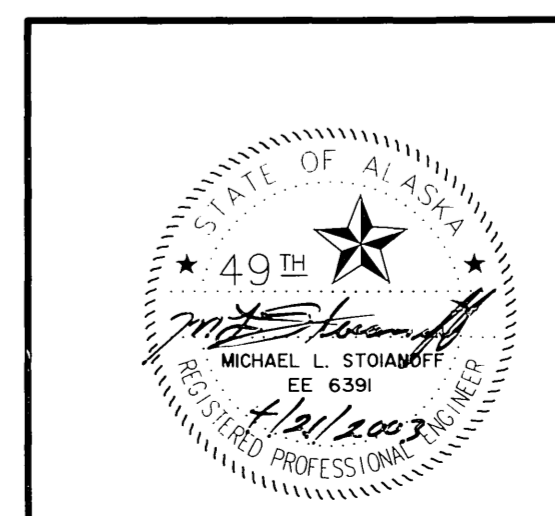
CONDUIT NO.	SIZE (INCH)	FROM	TO	CABLE		
				QTY.	TYPE	NUMBER
1	1"	JBOI	VISLA	1	1 PR. #14	
2	1"	JBOI	VINLA	1	1 PR. #14	
3	2"	JBOI	CBAI	1	3 PR. #18	ROI



SEE SETAIL 1 M5

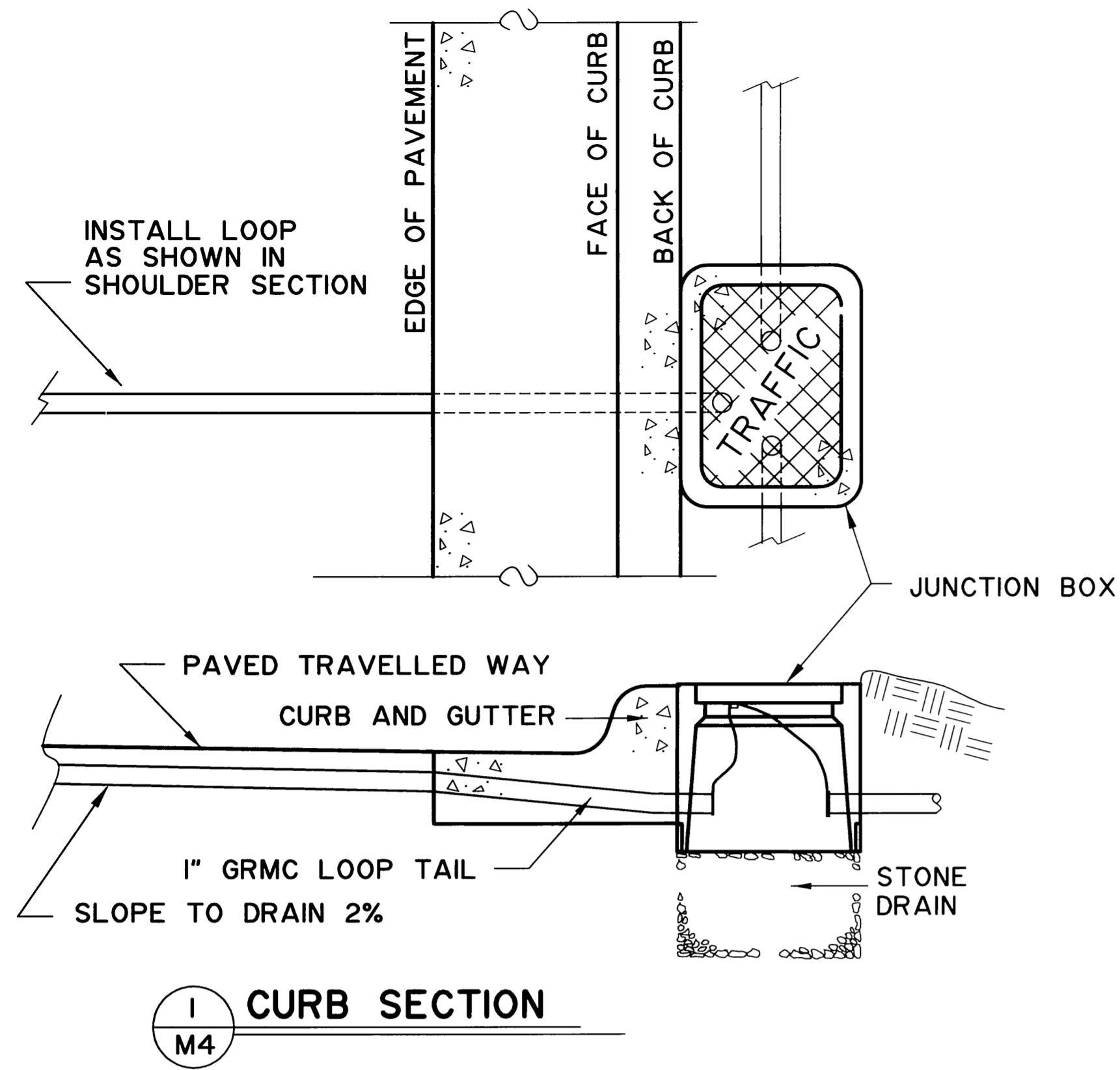
CONDUIT NO.	SIZE (INCH)	FROM	TO	CABLE		
				QTY.	TYPE	NUMBER
1	1"	JBOI	VISLA	1	1 PR. #14	
2	1"	JBOI	VINLA	1	1 PR. #14	
3	2"	JBOI	CBAI	1	3 PR. #18	ROI

DESIGNED BY: 3/2/03
 CHECKED BY:
 DRAFTED BY:
 SPECIFICATIONS: VIEW ALL
 STANDARDS: AUTOCAD-CAROLEE-53922/VIC/LOP/LAYOUT
 COMPUTER: DESIGNATION

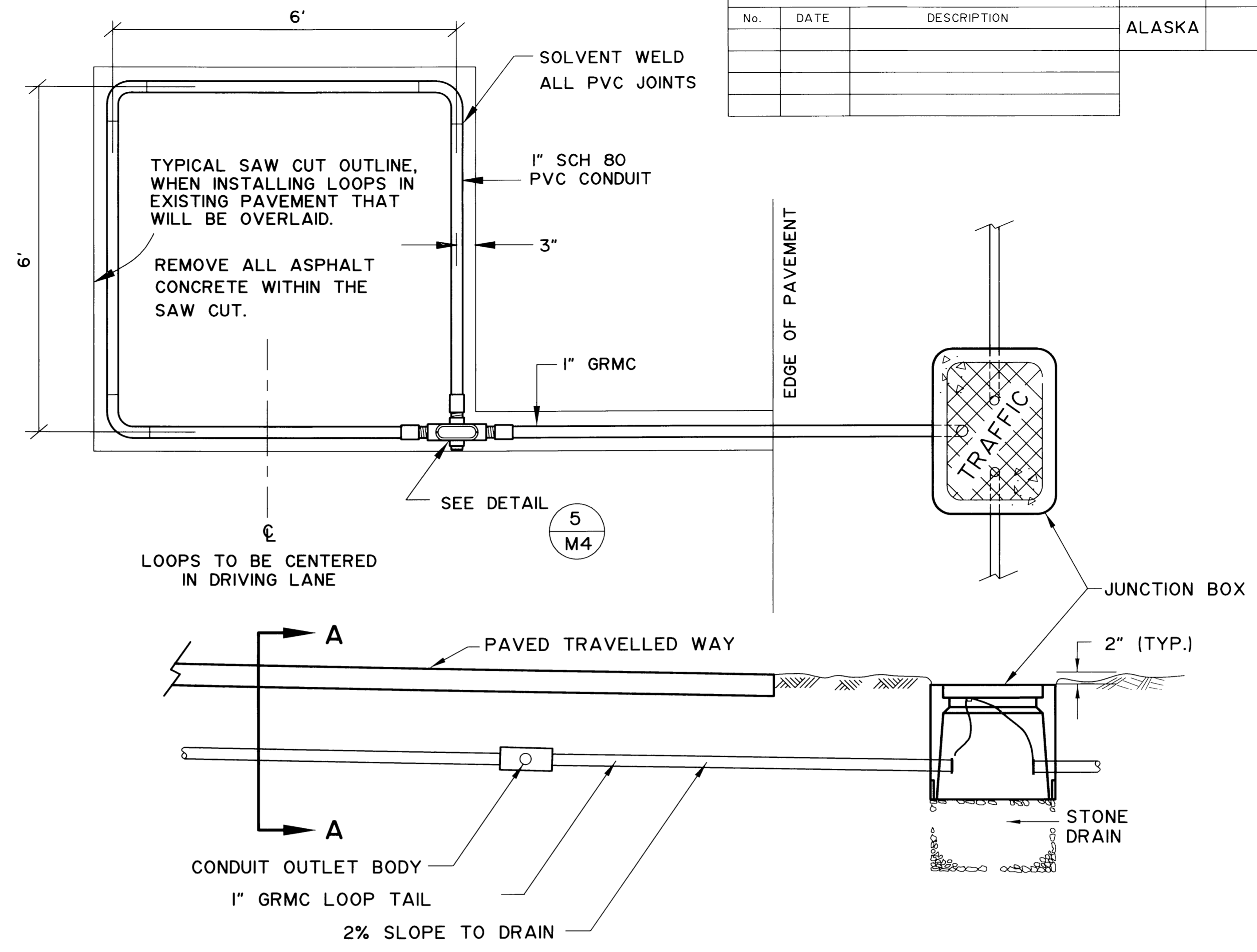


STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND
 PUBLIC FACILITIES
**KNIK-GOOSE BAY ROAD
 REHABILITATION AND PATHWAY**
 ATR LAYOUTS
 CONDUIT & CONDUCTOR SCHEDULES
 AND WIRING DIAGRAM

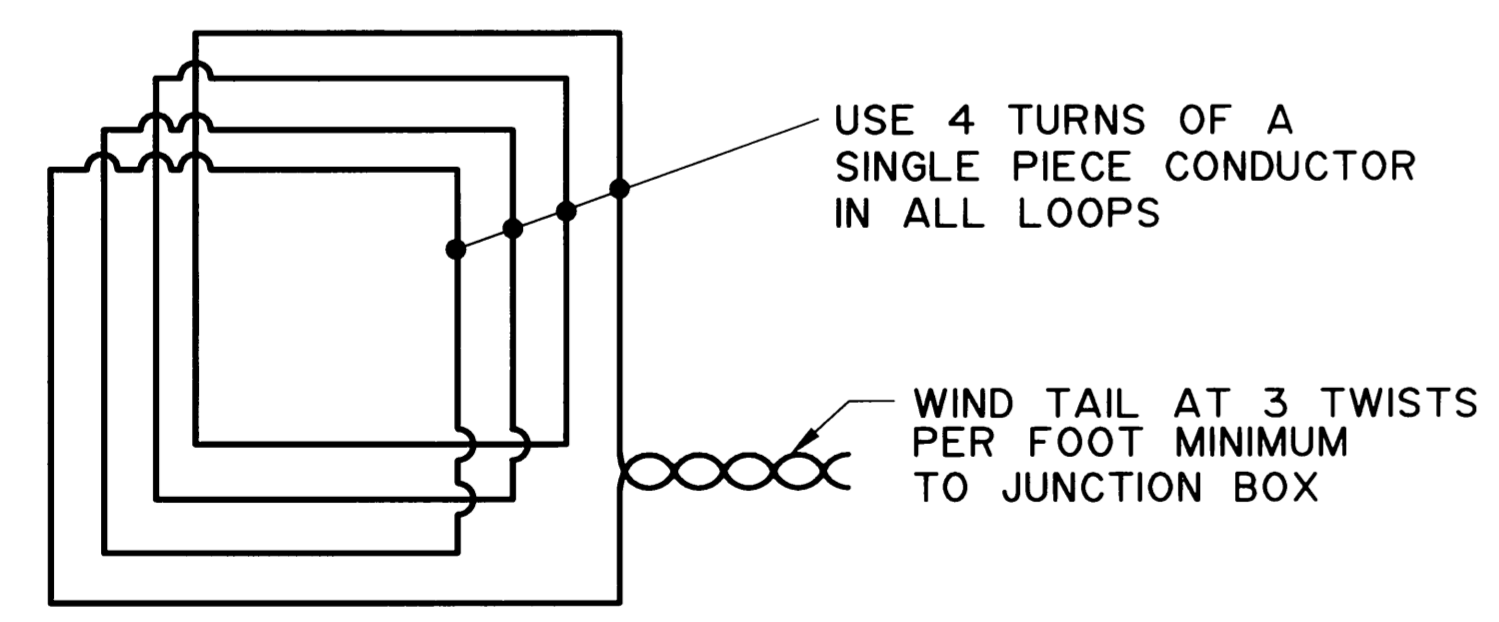
REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	CA-0525(III)/53922	2003	M4	M7



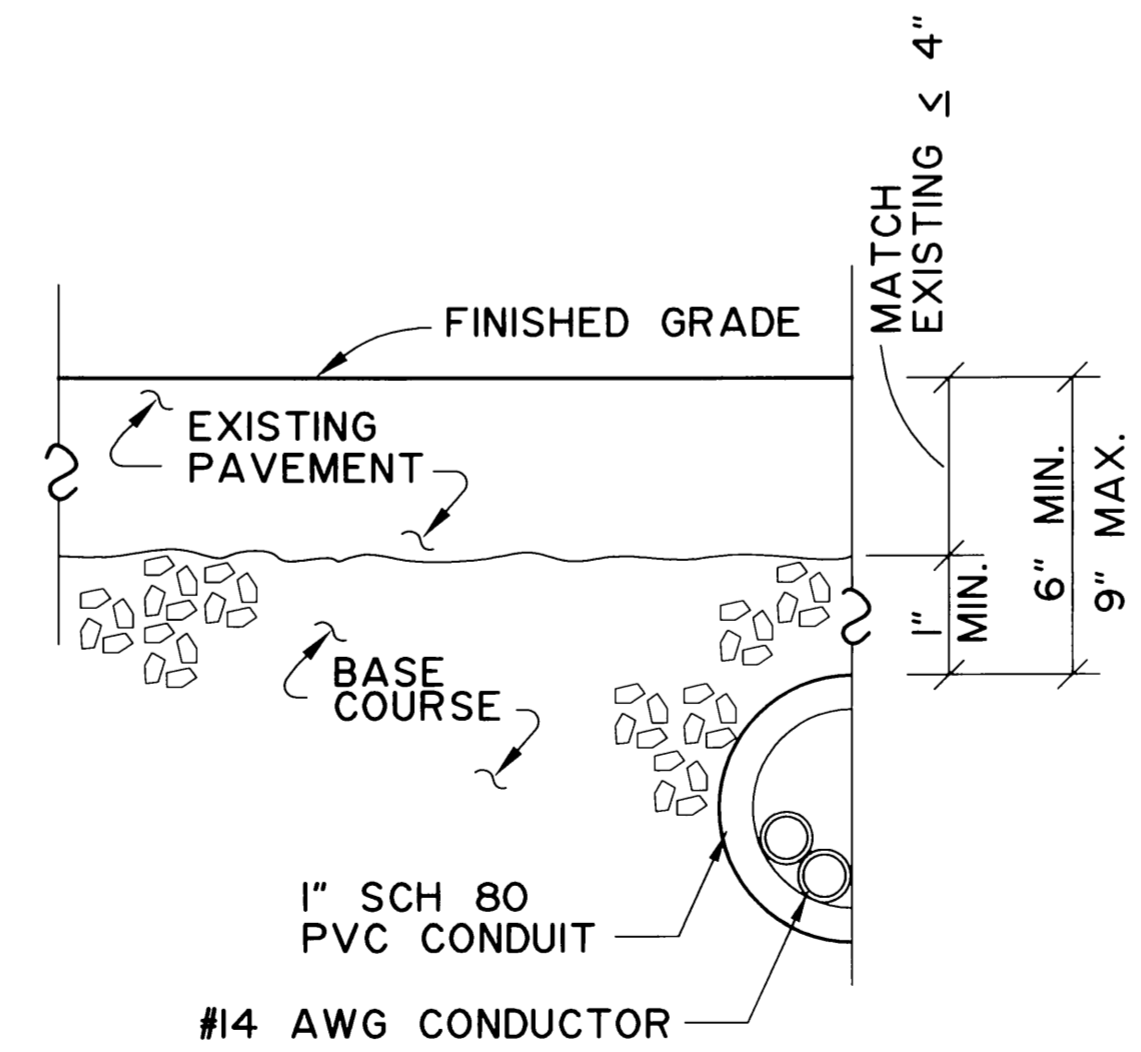
1 M4 CURB SECTION



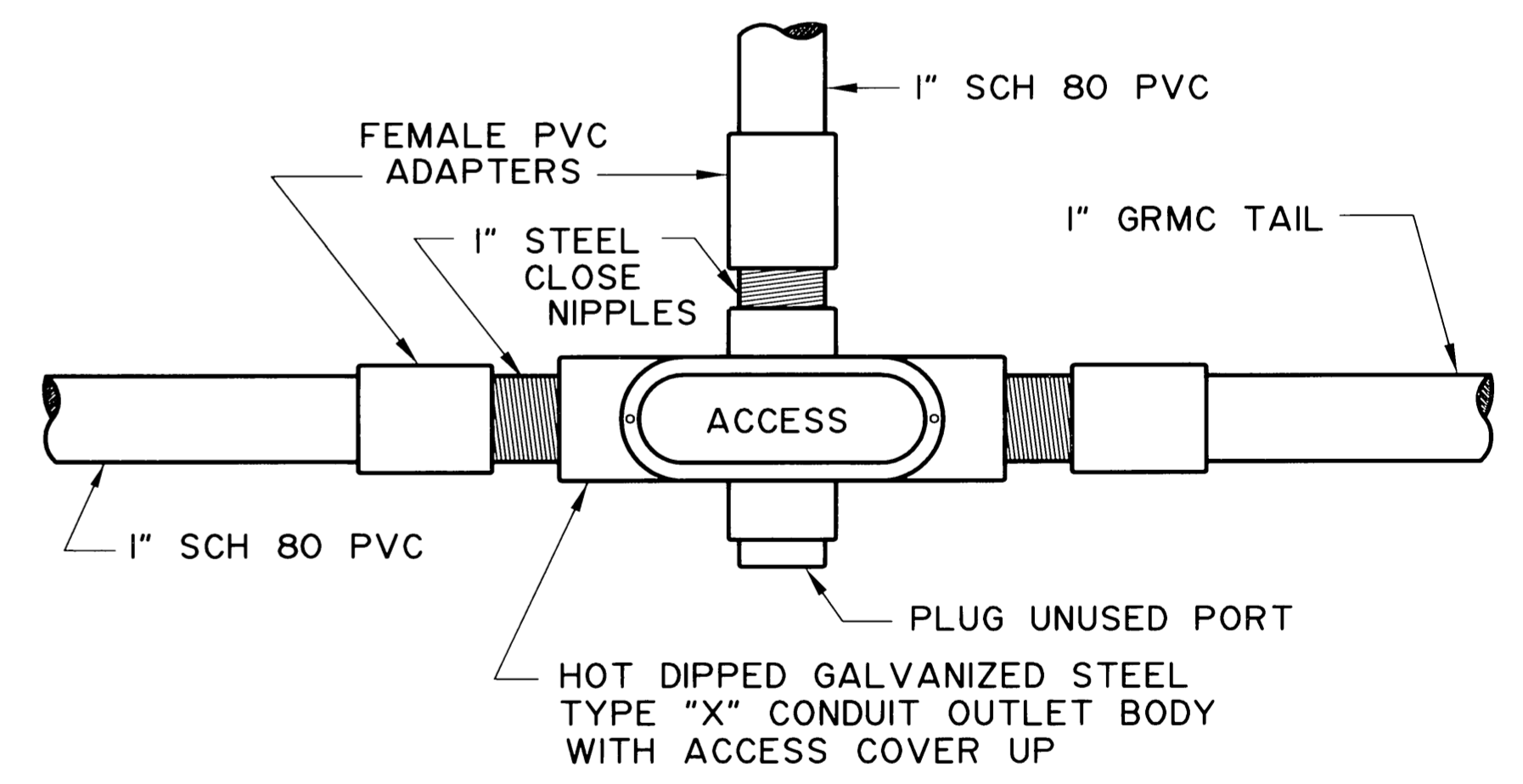
2 M4 SHOULDER SECTION



3 M4 LOOP WIRING DETAIL



4 M4 SECTION A-A



5 M4 \"X\" BODY DETAIL

6 M4 TYPICAL PVC CONDUIT ENCASED LOOP DETECTOR INSTALLATION

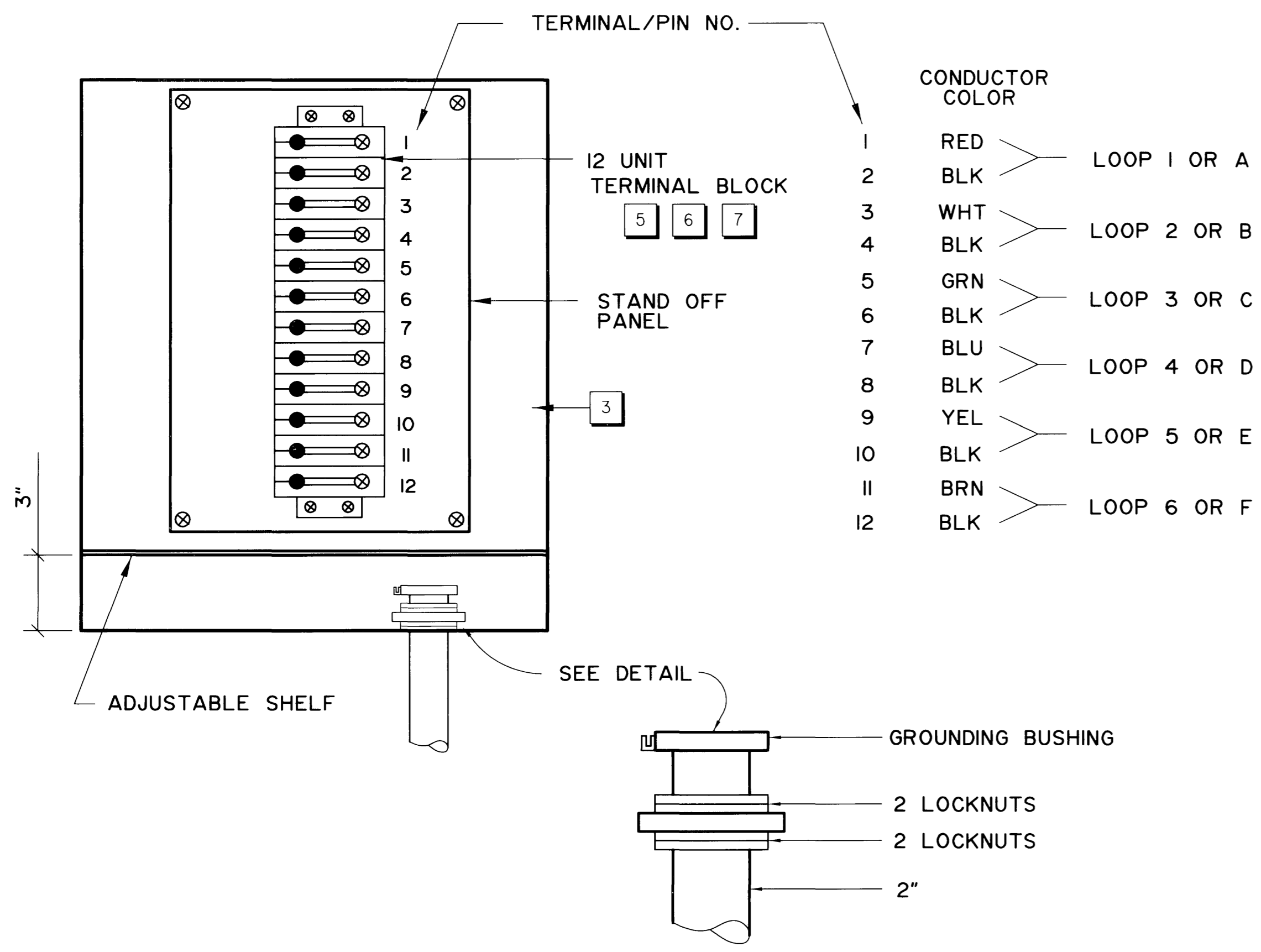
SPECIFICATIONS SCALE 1\"/>

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

**KNIK-GOOSE BAY ROAD
REHABILITATION AND PATHWAY**

ATR BURIED ASPHALT LOOP
DETAILS

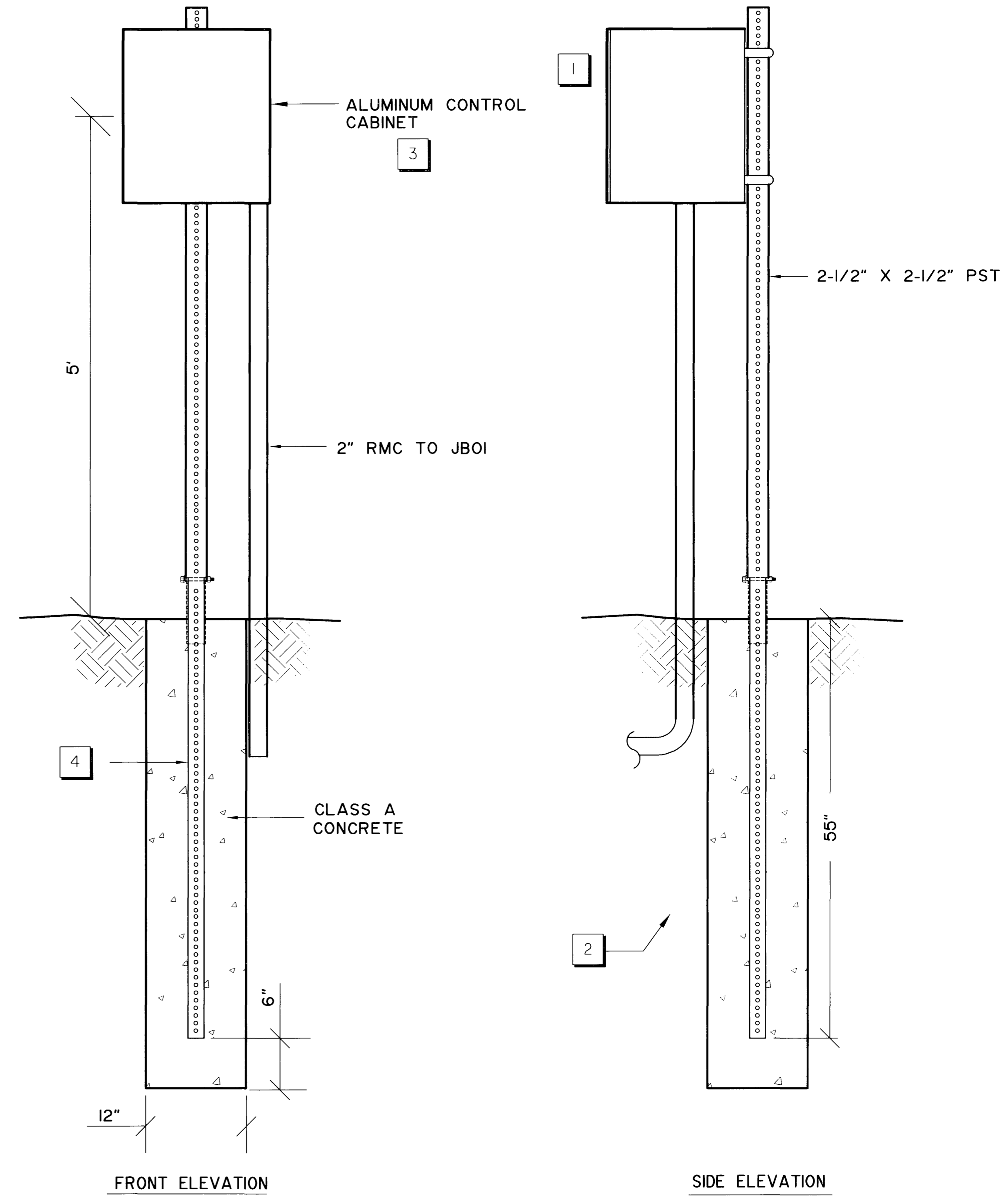
REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	CA-0525(III)/53922	2003	M5	M7



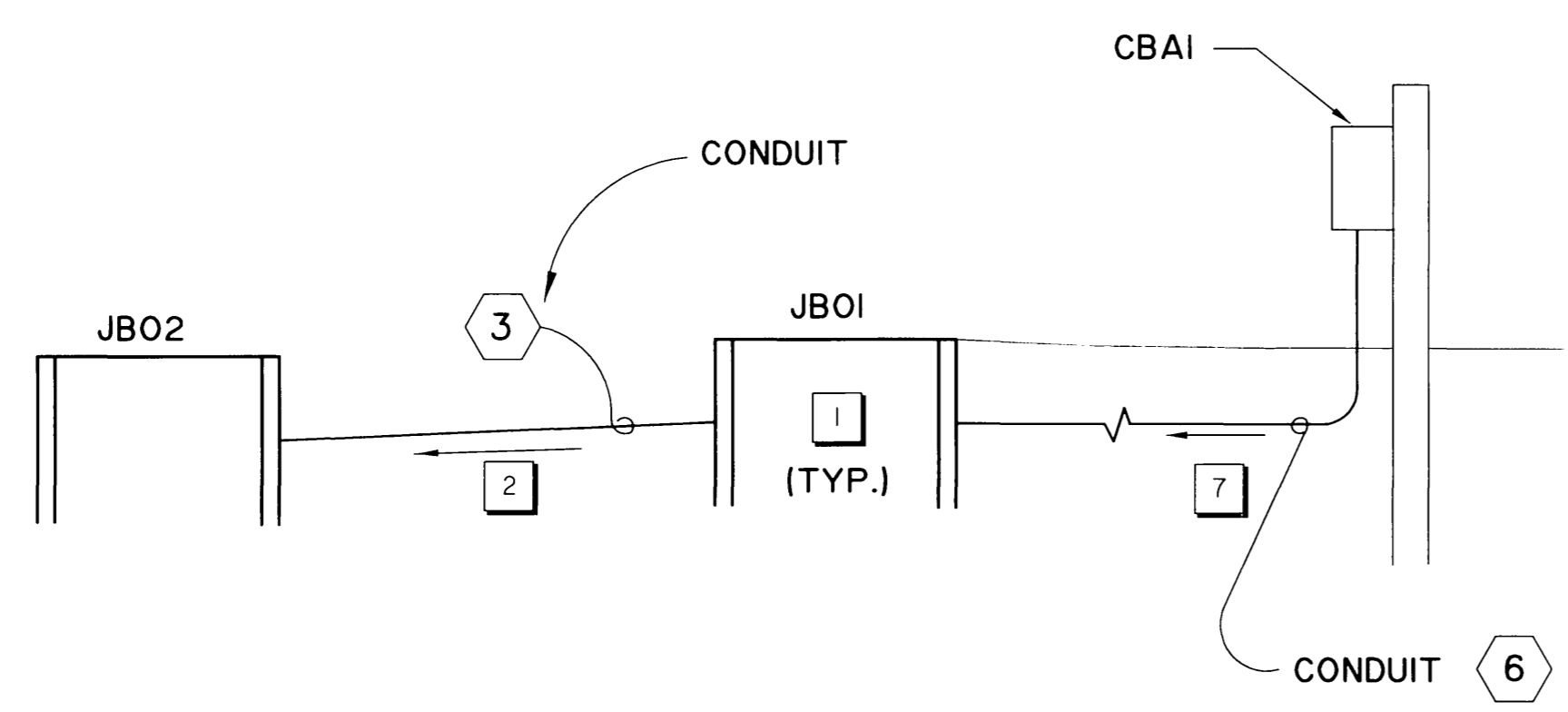
1 M5 CABINET TYPE CBA1
FRONT VIEW, DOOR OPEN

NOTES:

- 1 CONTROLLER CABINET DOOR TO OPEN AWAY FROM THE ROADWAY.
- 2 INSTALL FOUNDATION IN SELECT MATERIAL, TYPE A. THE CONTRACTOR SHALL EXCAVATE AND BACKFILL WITH GRAVEL 2 FEET BELOW AND SURROUNDING THE FOUNDATION.
- 3 CABINET TO BE EQUAL TO OR BETTER THAN HENNESEY PRODUCTS SINGLE DOOR ALUMINUM ENCLOSURE: CATALOG NUMBER SM201715 (20-3/8" X 17-5/16" X 16-1/4") WITH NEMA 3R RATING, CORBIN LOCK, EQUIPMENT MOUNTING PANEL AND ADJUSTING SHELF.
- 4 SLEEVE TYPE CONCRETE FOUNDATION. SEE STANDARD DRAWING S-30.03, PERFORATED STEEL TUBE (PST) POST.
- 5 TERMINATE ALL CONDUCTORS TO TERMINAL BLOCK. TERMINATE ALL CONDUCTORS WITH CRIMPED AND SOLDERED SPADE TYPE TERMINALS.
- 6 TY-RAPS TO PROVIDE STRAIN RELIEF FOR INCOMING CONDUCTORS.
- 7 LABEL SENSOR LEADS: USE THE INDUCTIVE LOOP DESIGNATION FOR IDENTIFICATION, SUCH AS "VISLA"

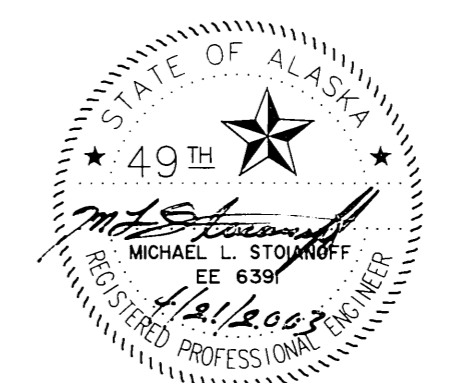


3 M5 CABINET TYPE CBA1 DETAIL
NTS



2 M5 JBO1, JBO2, CONDUIT DETAIL

SPECIFICATIONS SCALE: 1" = 1'-0" COMPUTER DESIGNATION: AUTOCAD:CAROLEE_53922/CBA1 VIEW: ALL DESIGNED BY: 1/2/03 CHECKED BY: DRAFTED BY: CJ

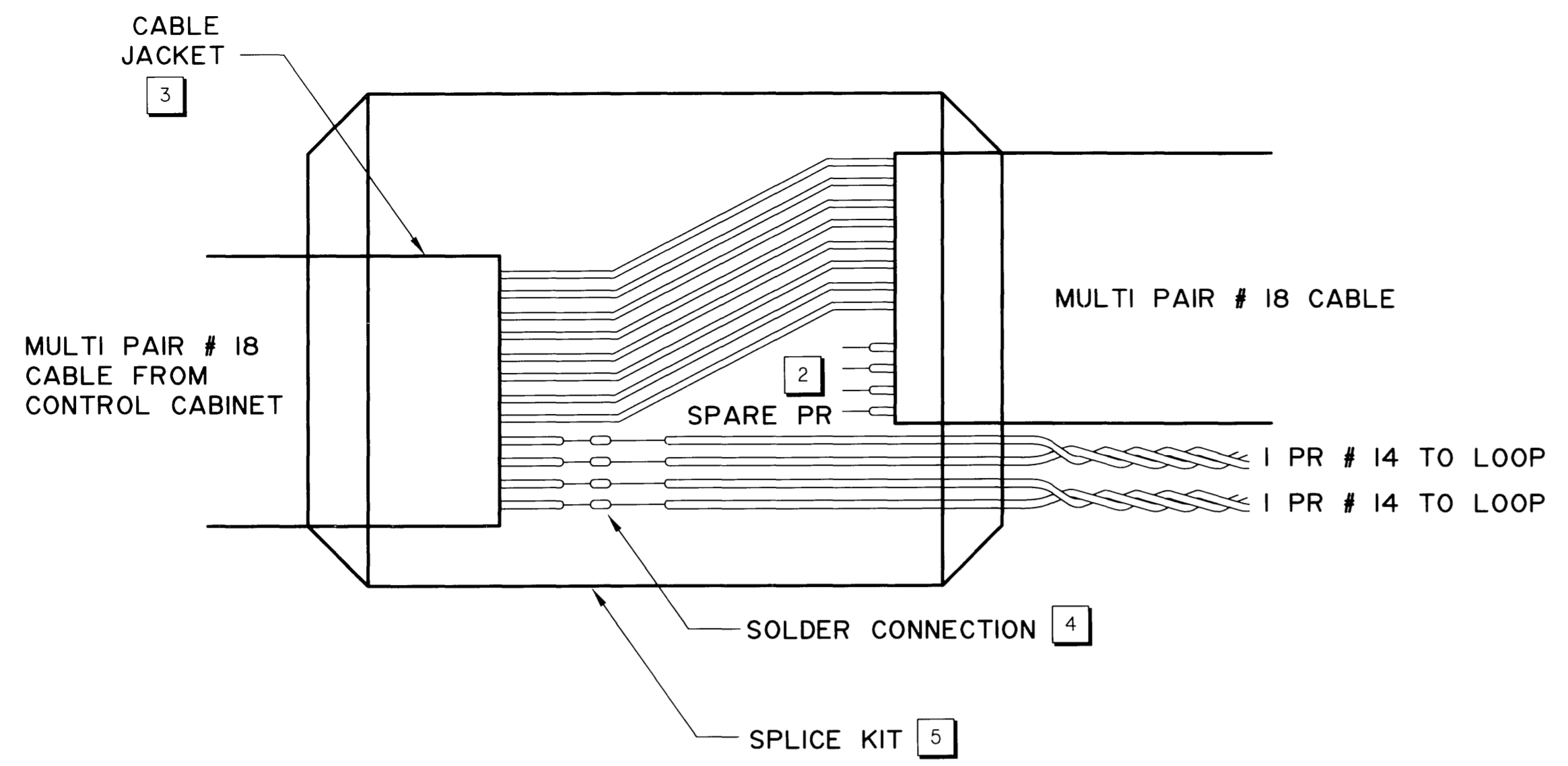


STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

**KNIK-GOOSE BAY ROAD
REHABILITATION AND PATHWAY**

ATR CBA1 CABINET DETAILS

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	CA-0525(III)/53922	2003	M6	M7



NOTES:

1. SCHEMATIC SKETCH SHOWS AN EXAMPLE OF TWO PAIRS USED WITH ONE SPARE.
2. TERMINATE ALL SPARES WITHIN THE SPLICE BODY.
3. SPLICE BODY TO ENCLOSE ALL CABLE JACKETS.
4. SOLDER CONNECTIONS. DO NOT USE COMPRESSION CONNECTORS. WRAP CONDUCTORS OVER EACH OTHER BEFORE SOLDERING.
5. USE A NONREENTERABLE, WET LOCATION, COMMERCIAL SPLICE KIT 3M TYPE 82-FI OR EQUIVALENT AS APPROVED BY THE ENGINEER.

1
M6 TYPICAL SPLICE DETAIL

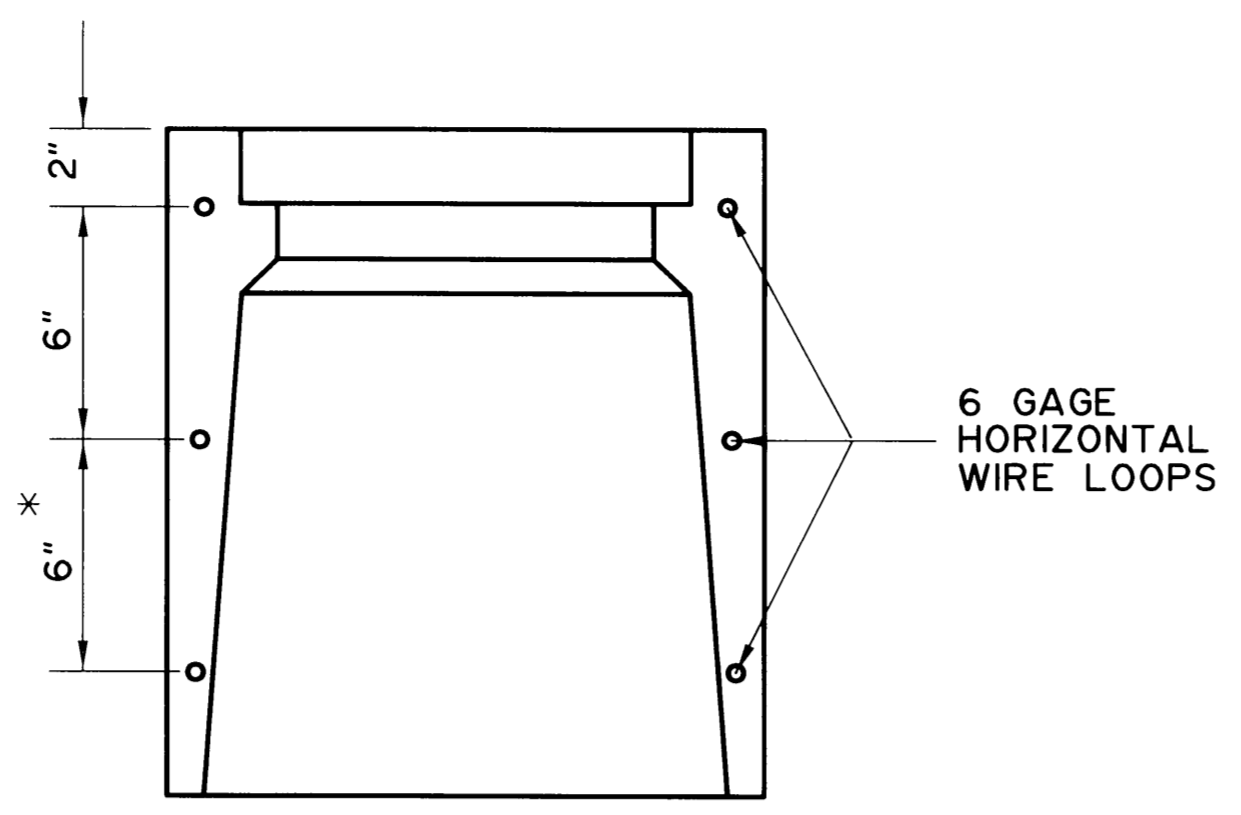
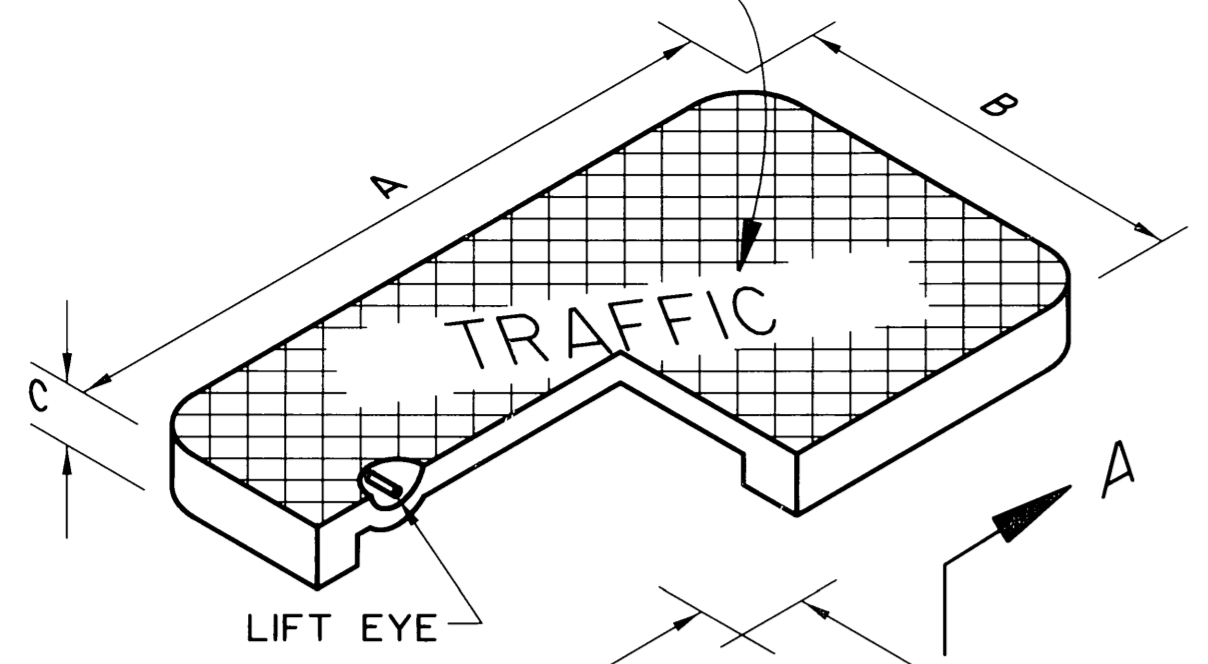
SPECIFICATIONS SCALE 1/8" COMPUTER DESIGNATION AUTOCAD-CAROLEE-ATR-PROJ/53922/SPLICE VIEW-ALL 3/12/03 DESIGNED BY CHECKED BY DRAFTED BY CJ

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

**KNIK-GOOSE BAY ROAD
REHABILITATION AND PATHWAY**

ATR LEAD-IN SPLICE DETAILS

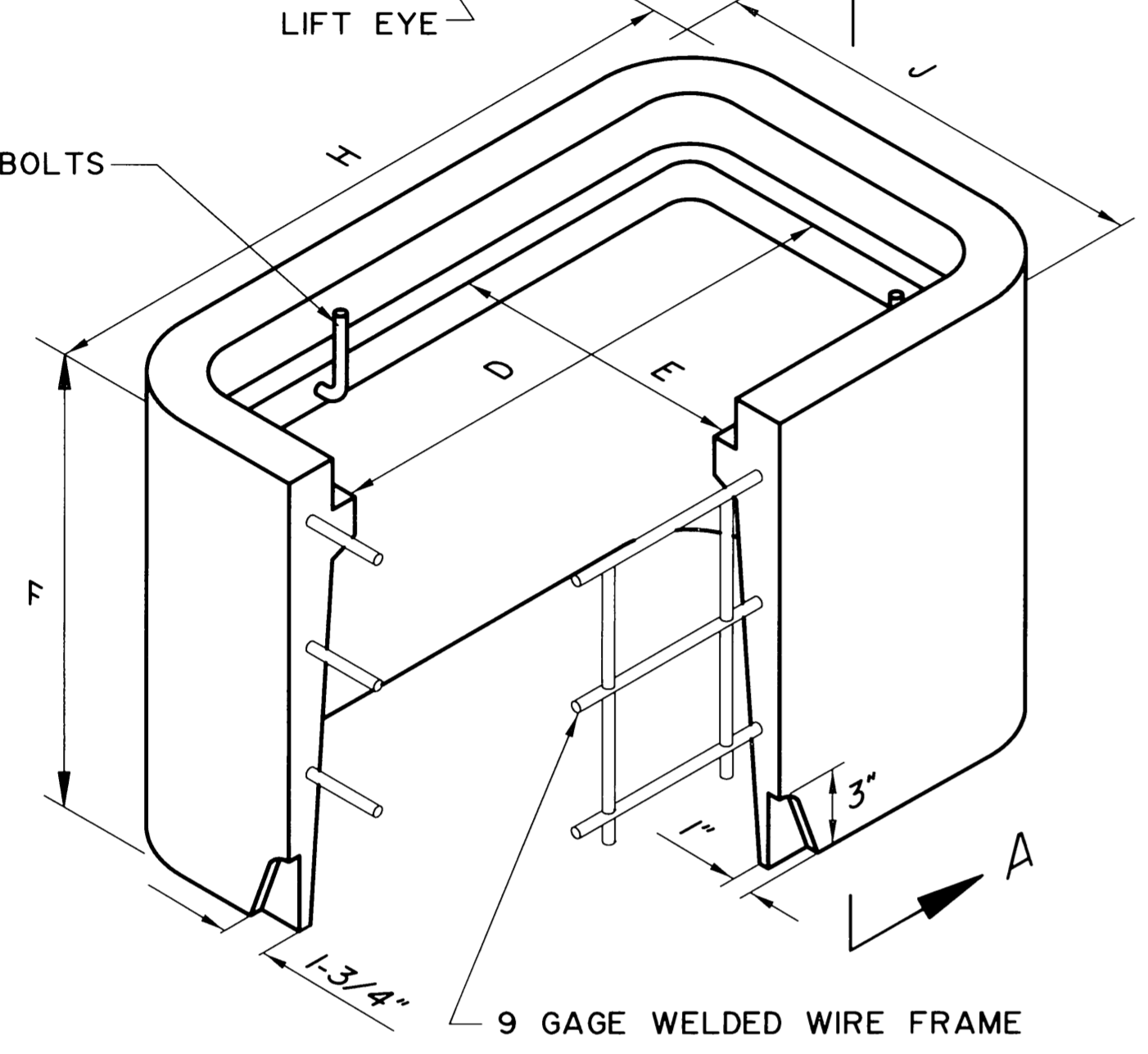
THE WORD "TRAFFIC" TO BE EMBOSSED ON COVER OF JUNCTION BOX



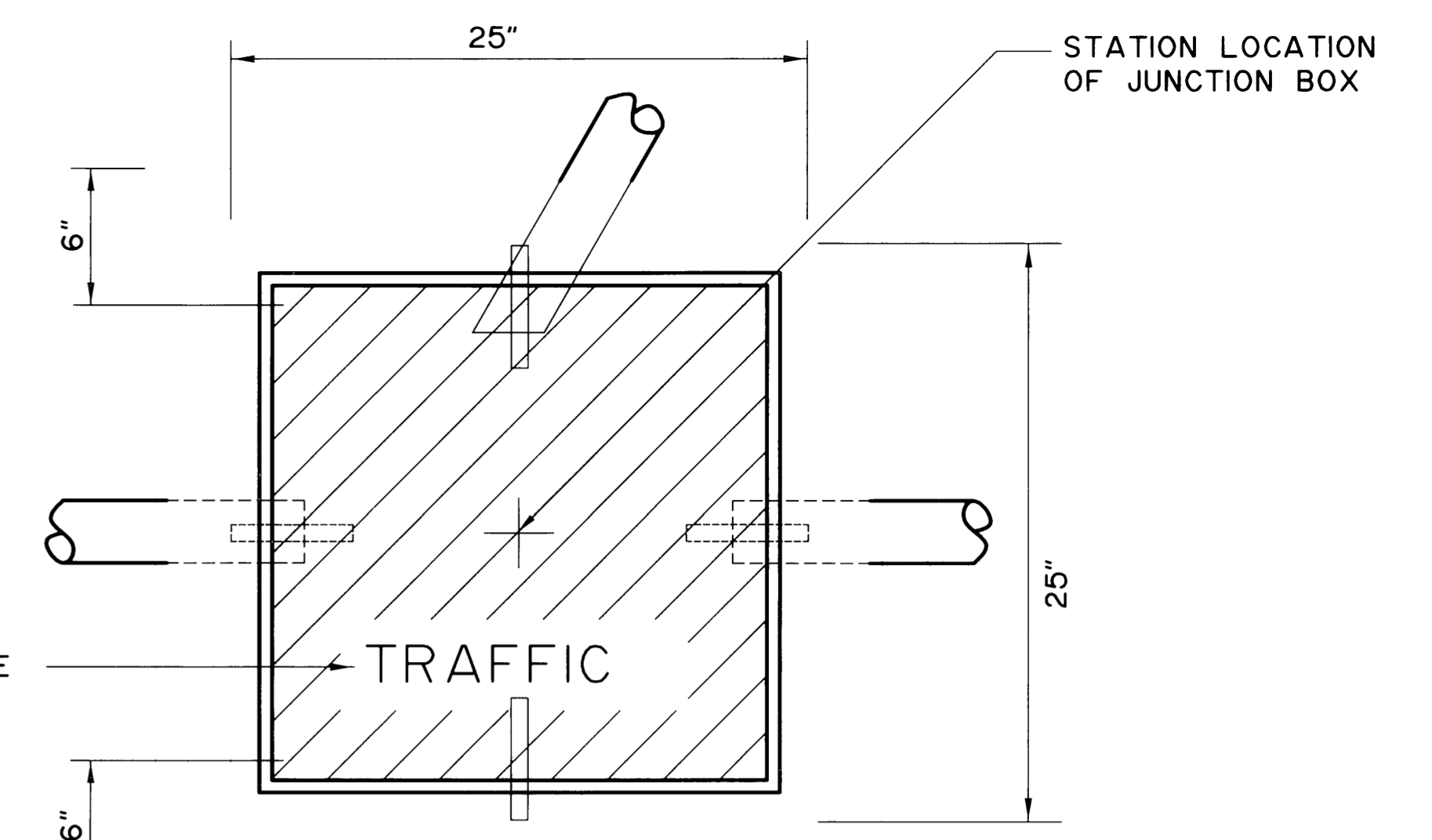
ALTERNATE REINFORCING
TYPE I-A

DIMENSIONS (INCHES)	
TYPE I-A	
A	22-3/4
B	13-1/4
C	2
D	21-1/4
E	11-3/4
F	18
G	2
H	27-1/4
J	17-3/4
K	14-1/2

BRASS "L" BOLTS AND NUTS.

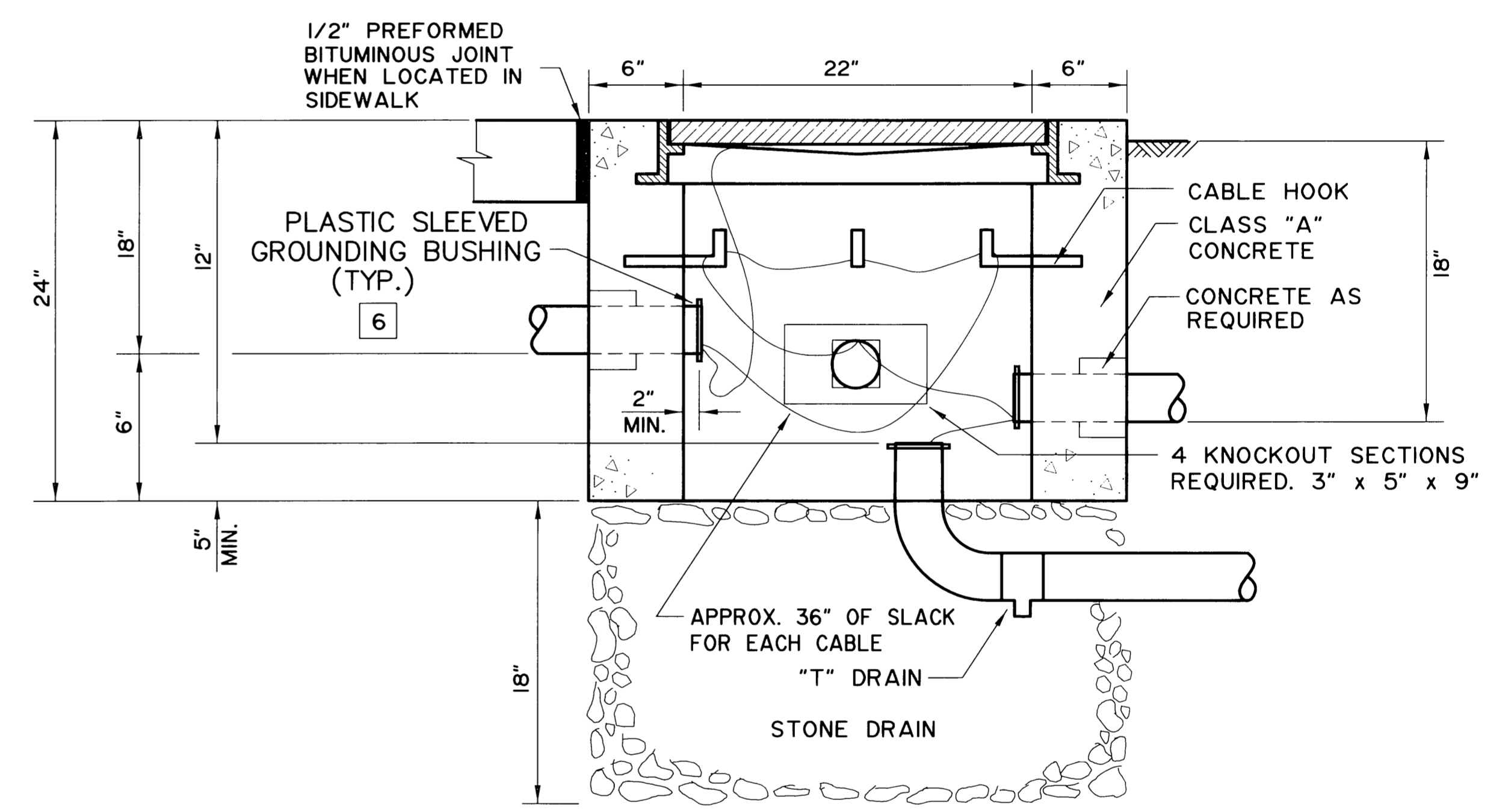


9 GAGE WELDED WIRE FRAME



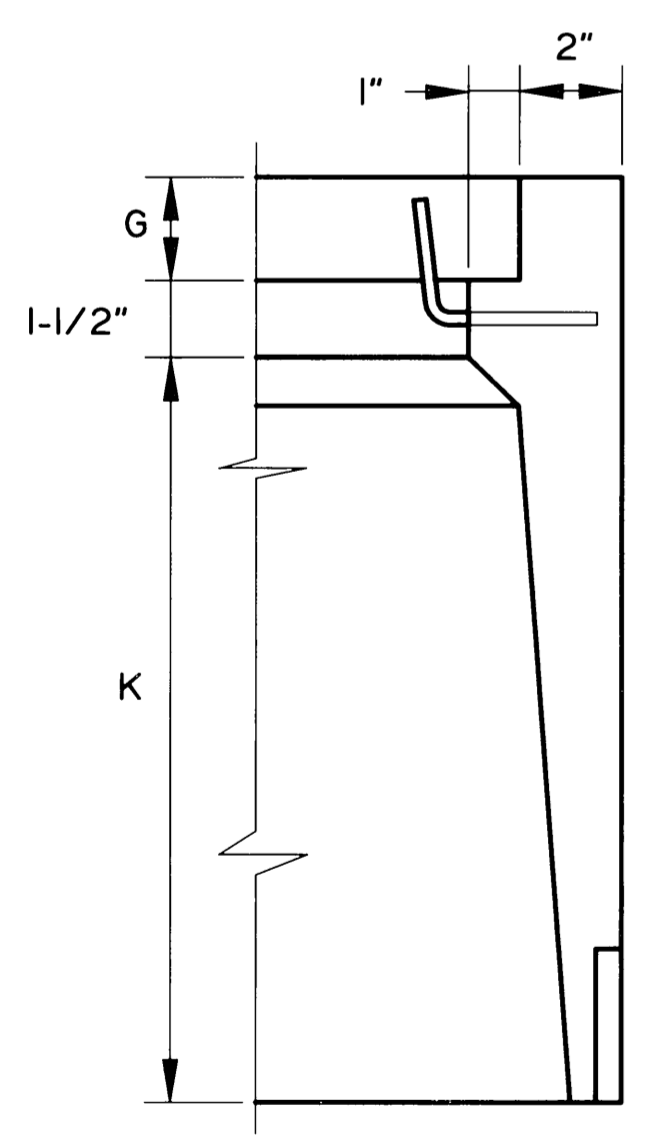
PLAN

THE WORD "TRAFFIC" TO BE EMBOSSED ON COVERS OF JUNCTION BOX

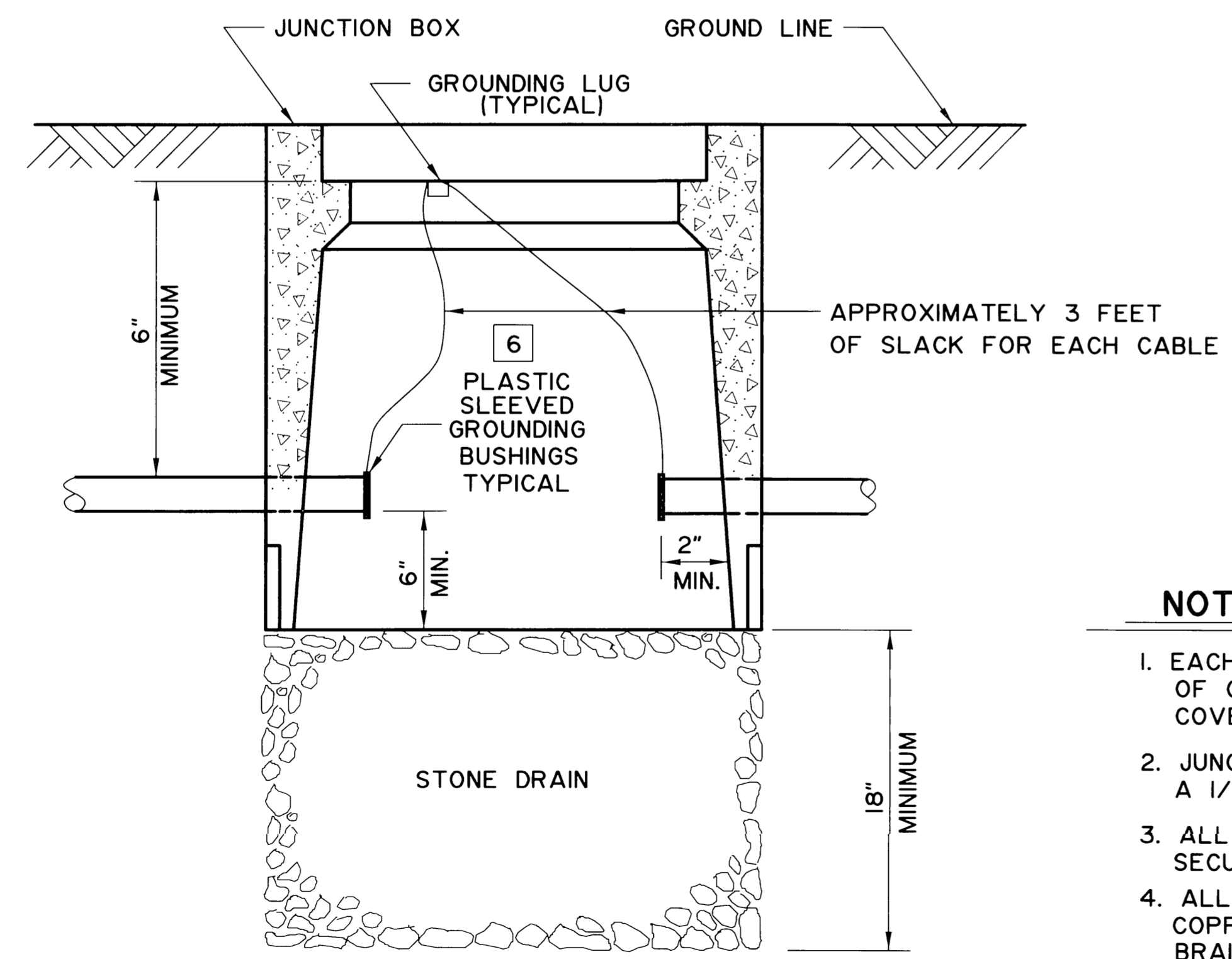


ELEVATION

2 TYPE II JUNCTION BOX DETAIL
M7



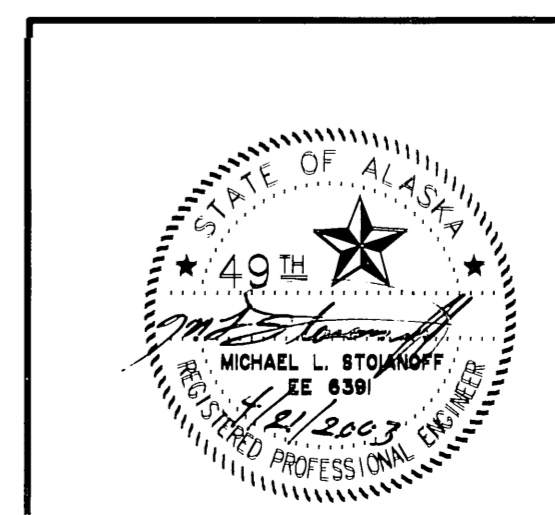
SECTION A-A



1 TYPE I-A JUNCTION BOX DETAIL
M7

NOTES:

- EACH FRAME AND COVER FOR TYPE II JUNCTION BOXES SHALL BE OF CAST IRON FOR LIGHT DUTY USE WITH A MINIMUM WEIGHT OF 43.3 LB.. COVERS IA JUNCTION BOXES SHALL BE EITHER ALUMINUM OR CAST IRON.
- JUNCTION BOXES LOCATED IN A SIDEWALK SHALL BE INSTALLED WITH A 1/2" PREFORMED BITUMINOUS JOINT MATERIAL AROUND ITS PERIMETER.
- ALL CONDUITS SHALL BE BONDED TO FORM A CONTINUOUS ELECTRICALLY SECURE SYSTEM WITH A GROUND AT THE LOAD CENTER JUNCTION BOX.
- ALL JUNCTION BOX COVERS SHALL BE BONDED TO GROUND WITH #8 AWG COPPER BRAID. BRAID LENGTH FOR TYPE IA SHALL BE 3 FEET. BRAID LENGTH FOR TYPE II SHALL BE 6 FEET.
- JUNCTION BOXES SHALL BE SET FLUSH WITH THE SURROUNDING SURFACE EXCEPT IN AN UNPAVED SHOULDER, WHEN THEY SHALL BE LOCATED 2 INCHES BELOW GRADE.
- PLASTIC SLEEVED GROUNDING BUSHINGS WILL BE IN PLACE BEFORE ANY WIRES ARE PULLED.



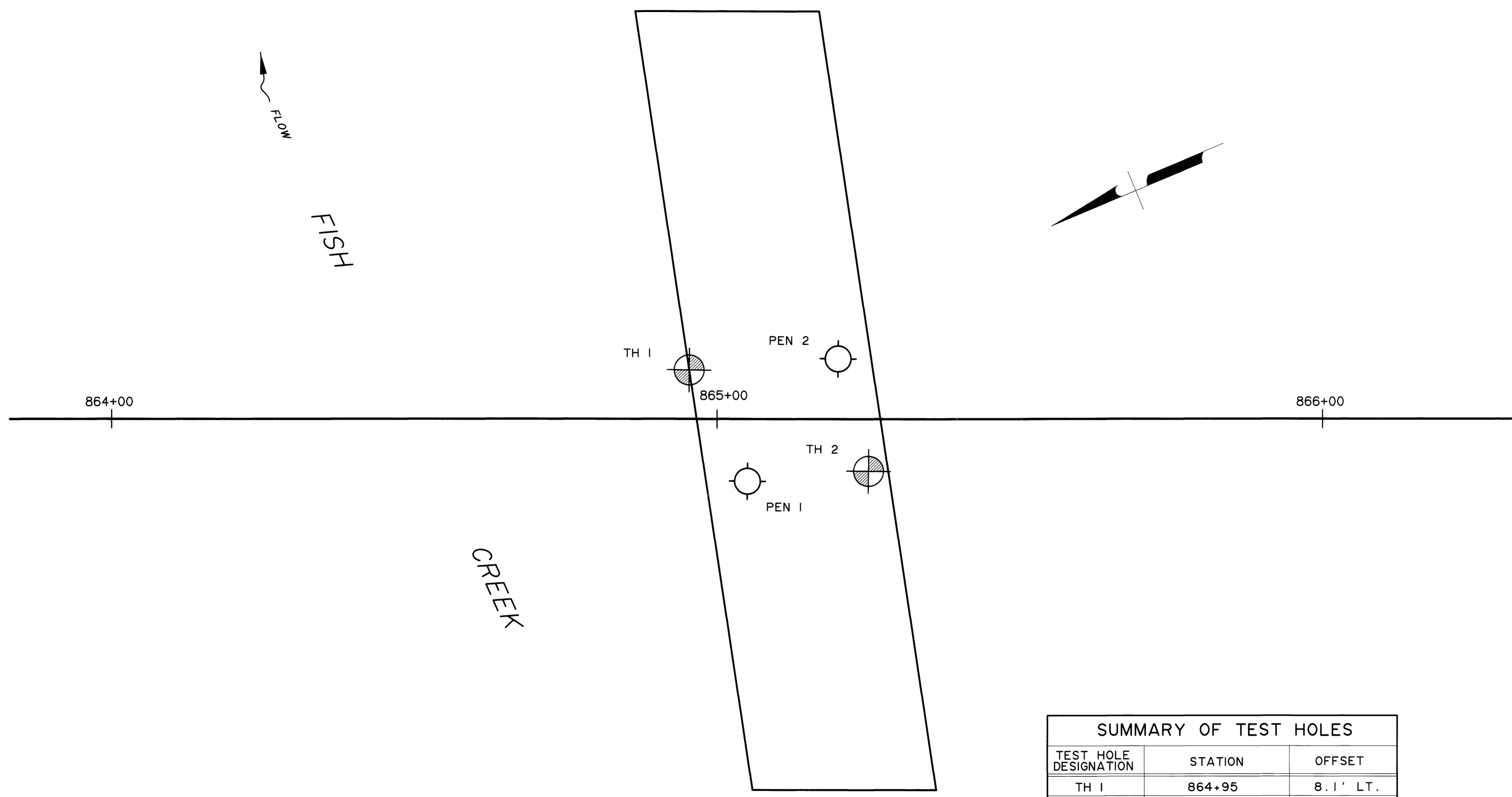
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES
**KNIK-GOOSE BAY ROAD
REHABILITATION AND PATHWAY**
ATR JUNCTION BOX DETAILS

SHEET NO.	TOTAL SHEETS
WI	W3
STATE	YEAR
ALASKA	2002

PROJECT DESIGNATION
CA-0525(III)/53922

GENERAL NOTES:

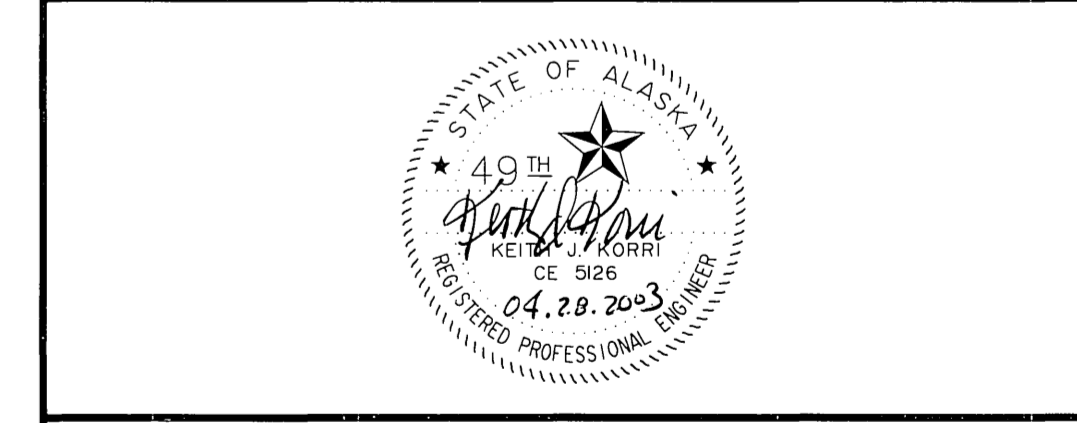
- HORIZONTAL AND VERTICAL GEOMETRY WITH TOPOGRAPHIC DATA FURNISHED BY THE DEPARTMENT OF TRANSPORTATION, CENTRAL REGION, DESIGN SECTION, DESIGN SECTION DRAWINGS.
- TEST HOLES AND PENETROMETERS WERE LOCATED FROM THE EXISTING ENDS OF THE GUARDRAILS AND THE CENTERLINE OF THE ROADWAY USING SWING TIE MEASUREMENTS.



TEST HOLE DESIGNATION	STATION	OFFSET
TH 1	864+95	8.1' LT.
PEN 1	865+05	10.2' RT.
PEN 2	865+20	9.9' LT.
TH 2	865+25	8.6' RT.

LEGEND

	TESTHOLE
	PENETROMETER
	TESTPIT

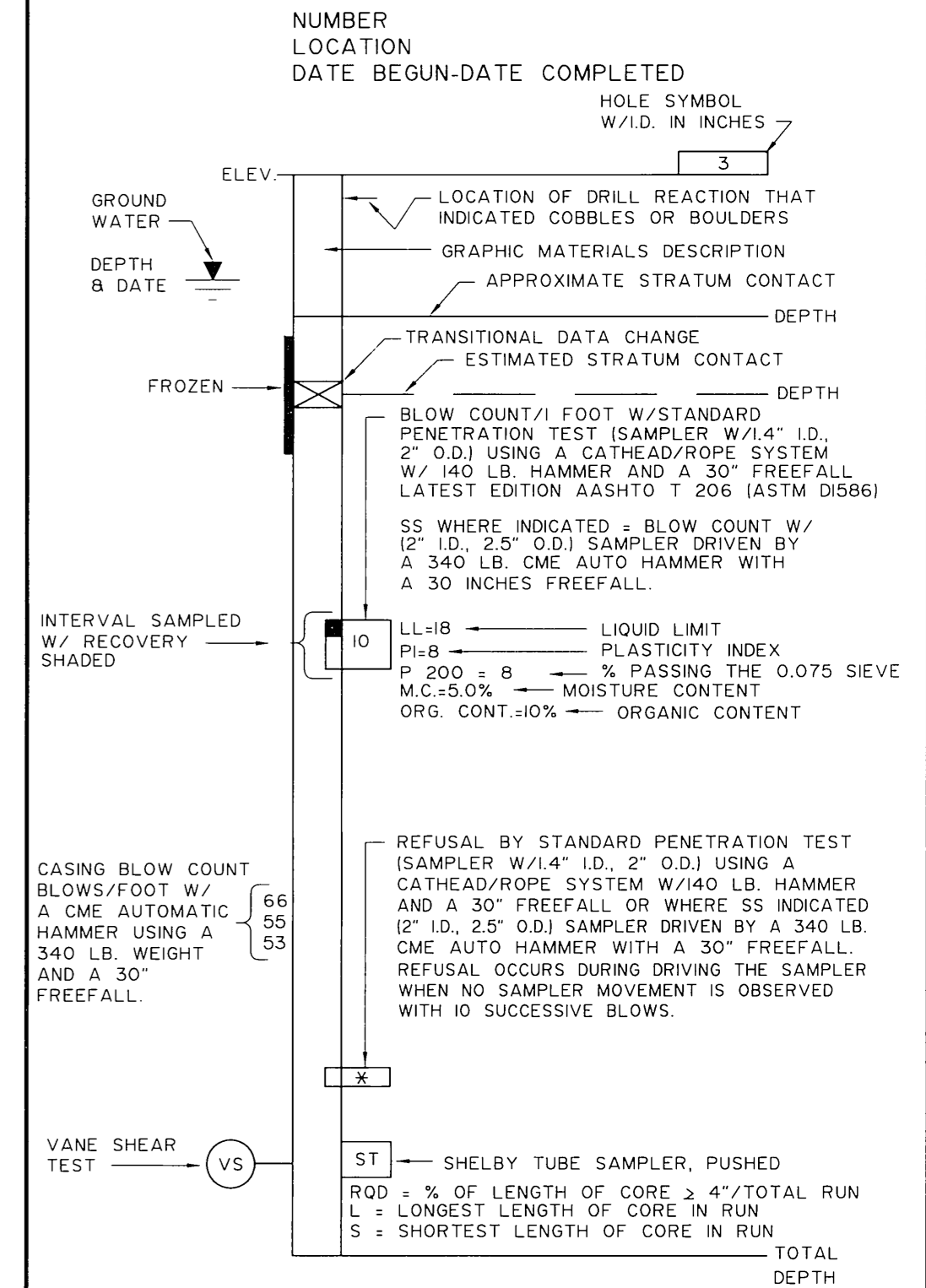


TEST HOLE LOGS AND LOCATIONS
 KNIK-GOOSE BAY ROAD
 REHABILITATION AND PATHWAY
 FISH CREEK
 GENERAL LAYOUT

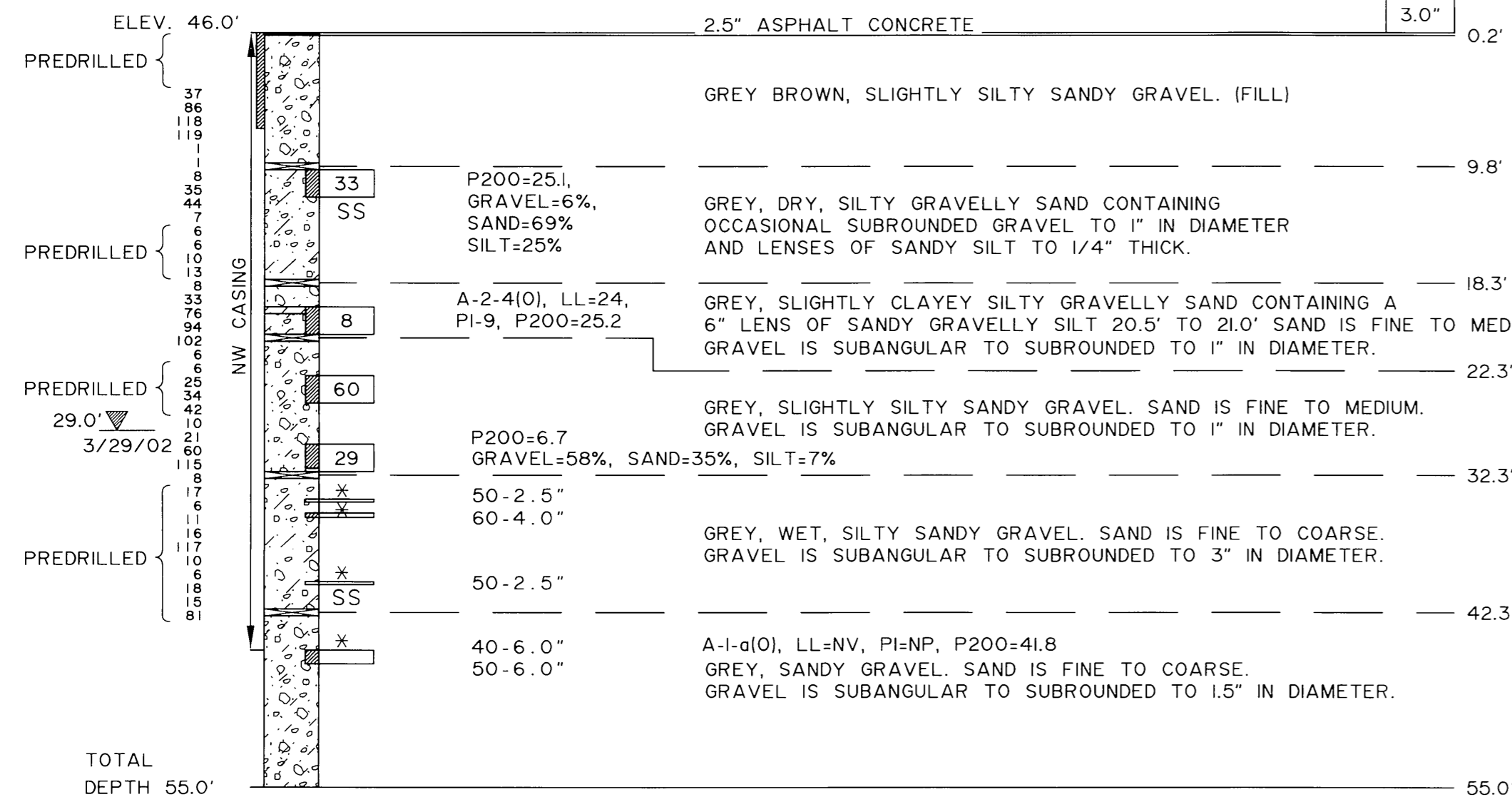
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES

D:\MATERIALS\KNIK\PLN\FISH DATE: 4/25/03 VIEW ALL

TYPICAL TEST HOLE LOG



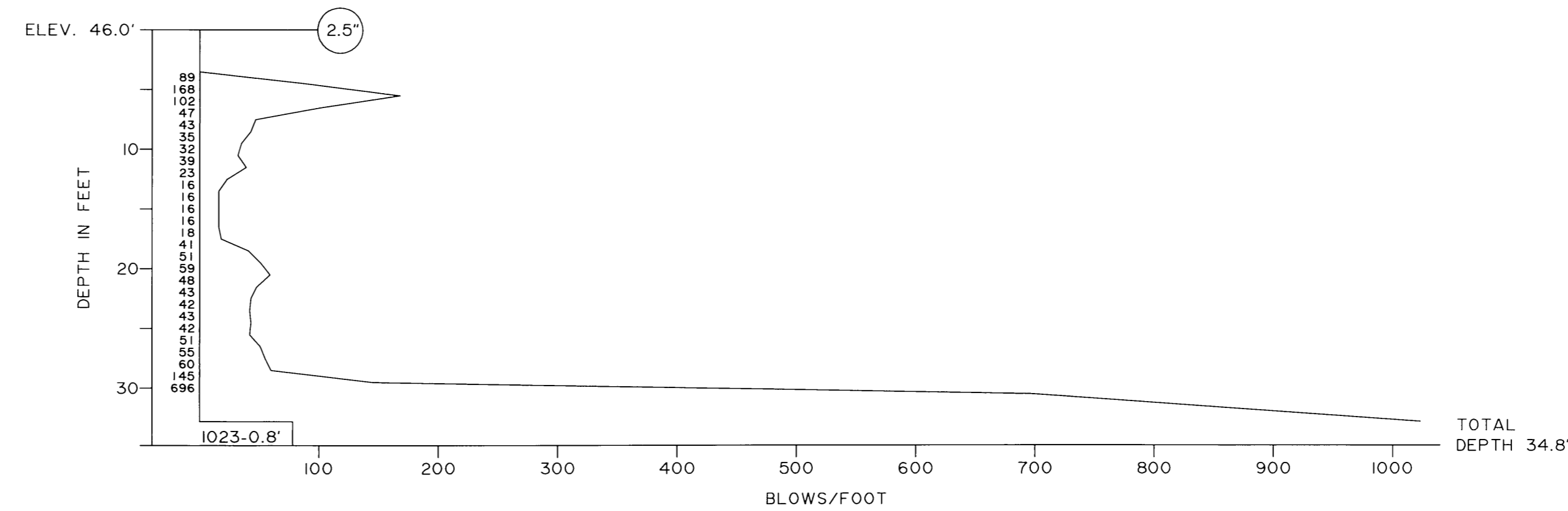
TEST HOLE I
STA. 864+95, 8.1' LT.
3/28/02-3/29/02



NOTES:

- NW CASING PULLOUT BREAK FORCE FROM 55.0 FEET WAS 25,000 POUNDS.
- WHEN PULLING ROD OUT, HIT A NATURAL GAS POCKET. WAITED ONE HOUR TO SEE IF IT BLEEDS OFF. IT WAS STILL VENTING AFTER ONE HOUR, SO DECIDED TO END HOLE.

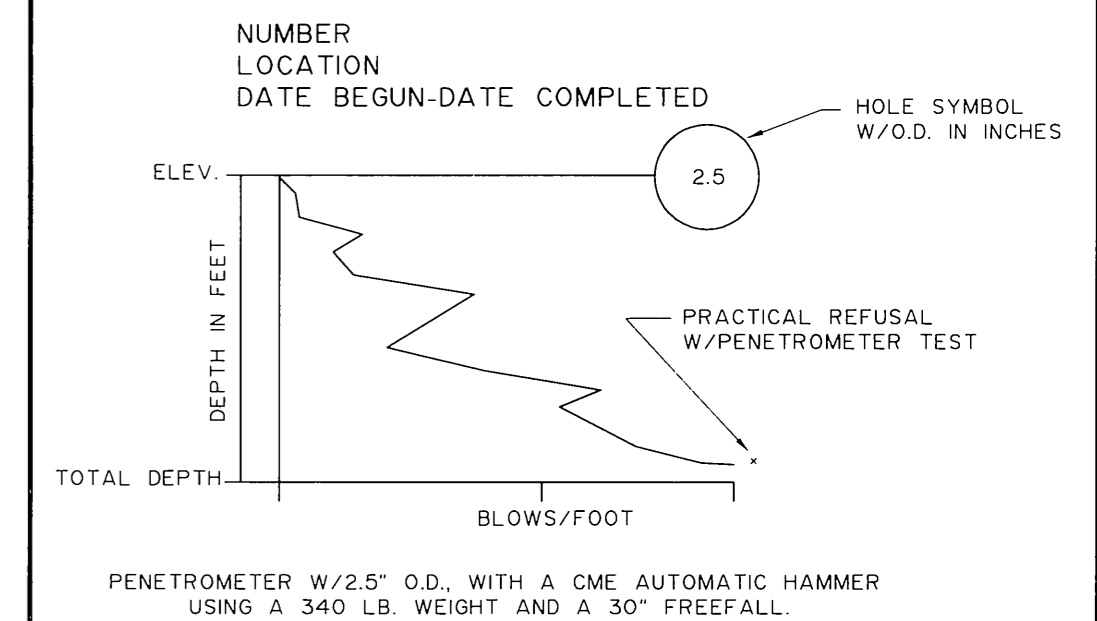
PENETROMETER I
STA. 865+05, 10.2' RT.
3/28/02



NOTES:

- PREDRILLED TO 7.0'
- PENETROMETER PULLOUT BREAK FORCE FROM 34.8' WAS 16,000 POUNDS.

TYPICAL PENETROMETER TEST LOG



PENETROMETER W/2.5" O.D. WITH A CME AUTOMATIC HAMMER USING A 340 LB. WEIGHT AND A 30" FREEFALL.

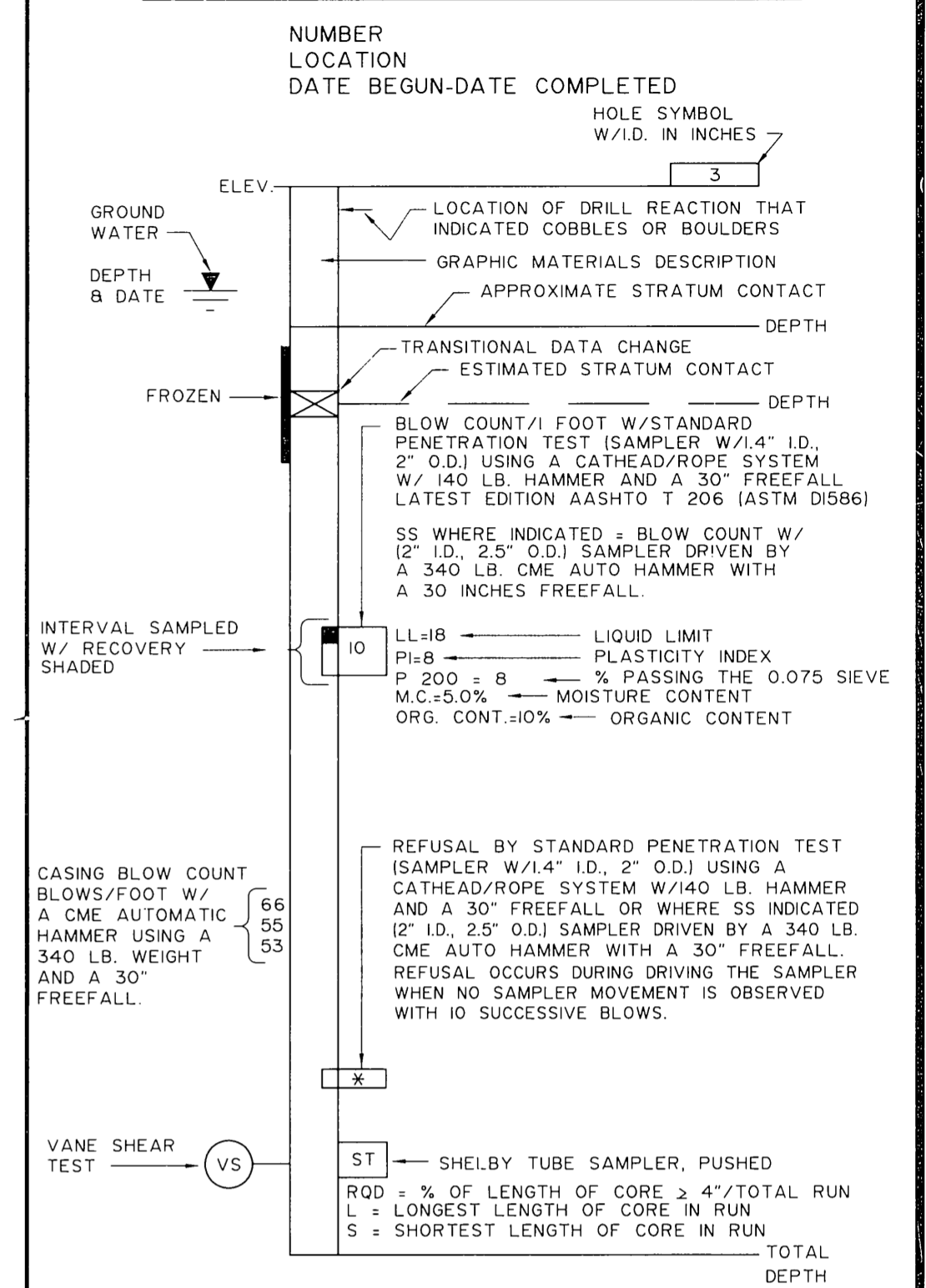


TEST HOLE LOGS AND LOCATIONS KNIK-GOOSE BAY ROAD REHABILITATION AND PATHWAY FISH CREEK

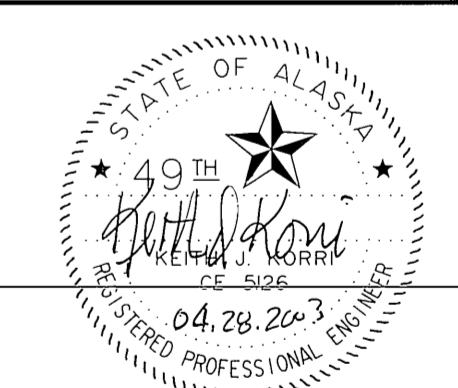
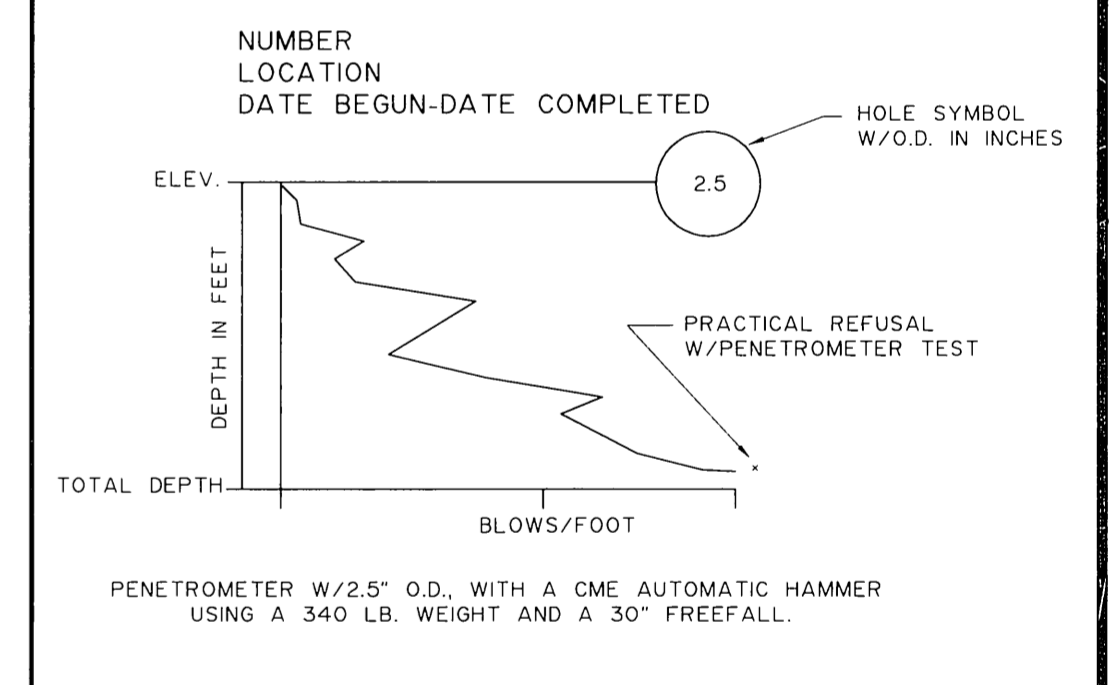
STATE OF ALASKA
 DEPARTMENT of TRANSPORTATION
 AND
 PUBLIC FACILITIES

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	CA-0525(11) 53922	2002	W3	W3

TYPICAL TEST HOLE LOG



TYPICAL PENETROMETER TEST LOG

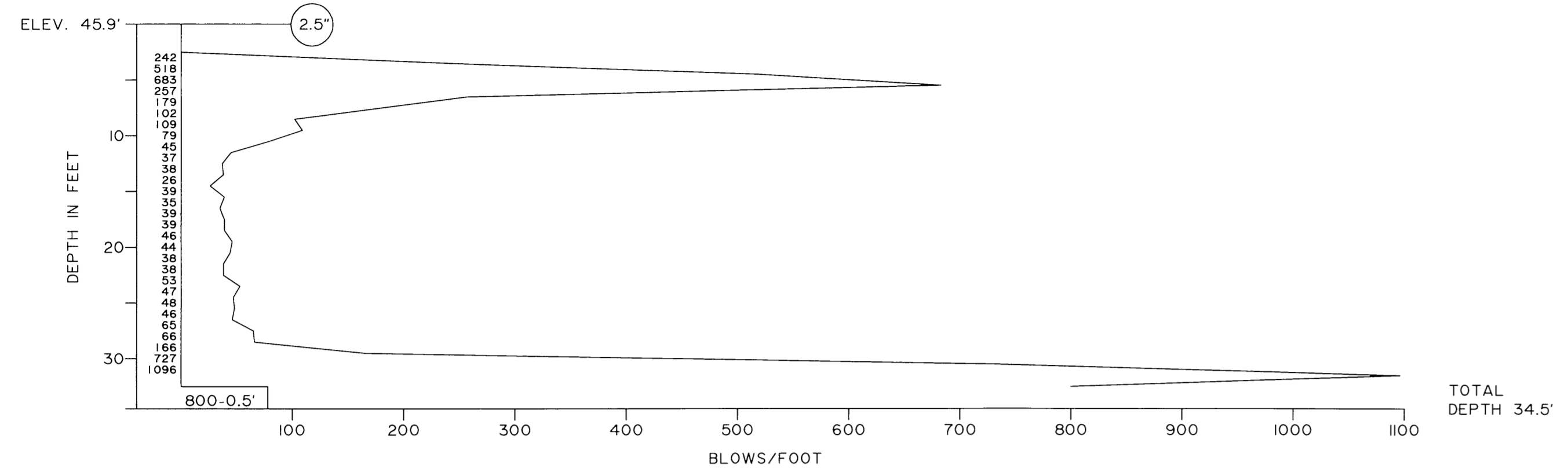


TEST HOLE LOGS AND LOCATIONS
KNIK-GOOSE BAY ROAD
REHABILITATION AND PATHWAY
FISH CREEK

STATE OF ALASKA
DEPARTMENT of TRANSPORTATION
AND
PUBLIC FACILITIES

BRIDGE NO. 4033
DRAWING NO. 3 OF 3

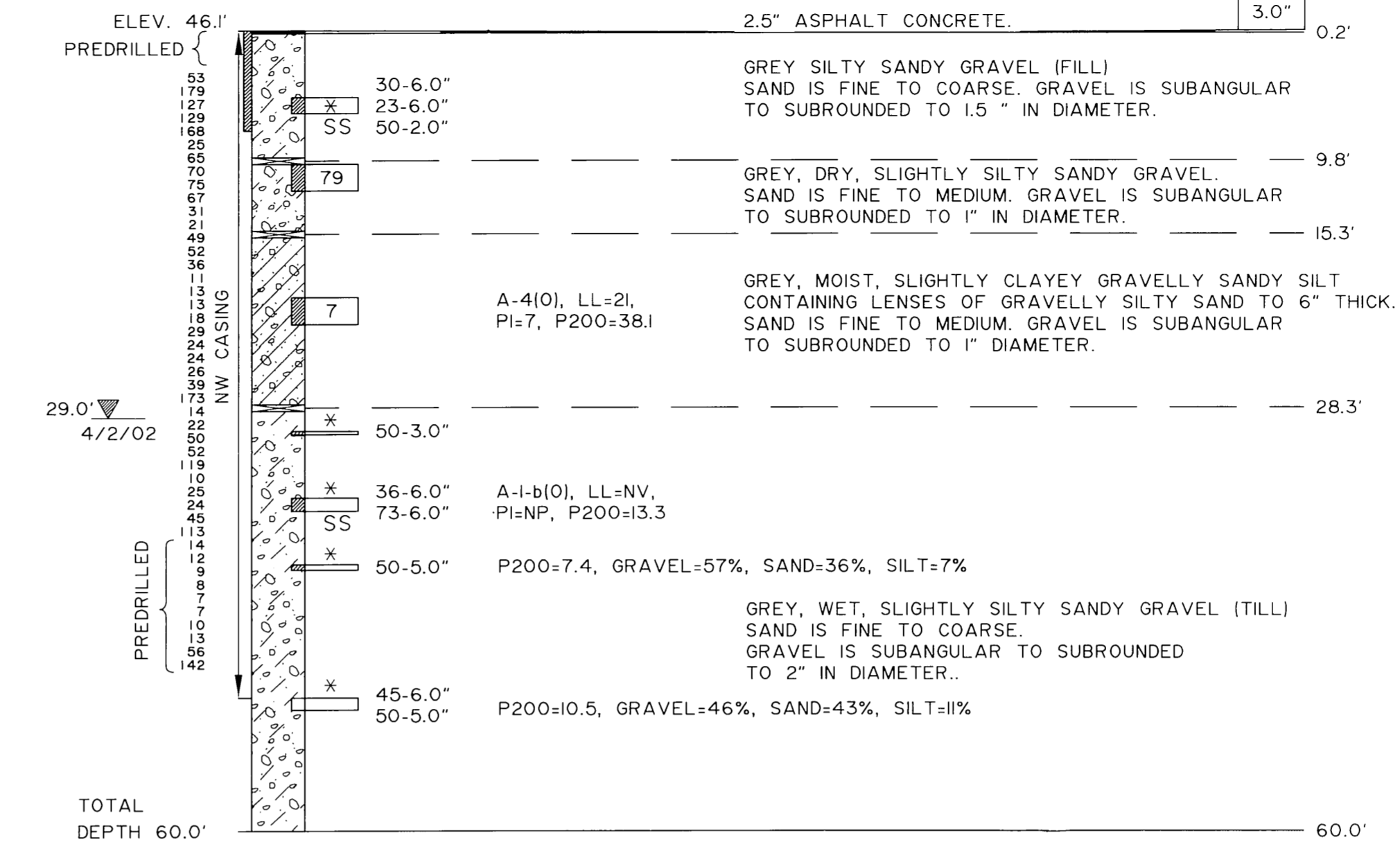
PENETROMETER 2
STA. 865+20, 9.9' LT.
3/27/02



NOTES:

1. PREDRILLED TO 5.0'.
2. PENETROMETER PULLOUT BREAK FORCE FROM 34.8' WAS 20,000 POUNDS.

TEST HOLE 4033-02-2
STA. 865+25, 8.6' RT.
4/1/02



NOTES:

1. PENETROMETER PULLOUT BREAK FORCE FROM 60.0' IN DEPTH WAS 25,000 POUNDS.
2. HIT A GAS POCKET AT 40.0' IN DEPTH. IT BLEW OFF AFTER 15 MINUTES. HIT MAJOR GAS POCKET AT 60.0' THAT BLEW ALL THE WATER OUT OF THE HOLE.

DWG NAME: C:\CAD\MATLS\KNIK\LOGS\FISH VIEW 2 DATE: 3/7/03 SCALE: 1 = 10.0