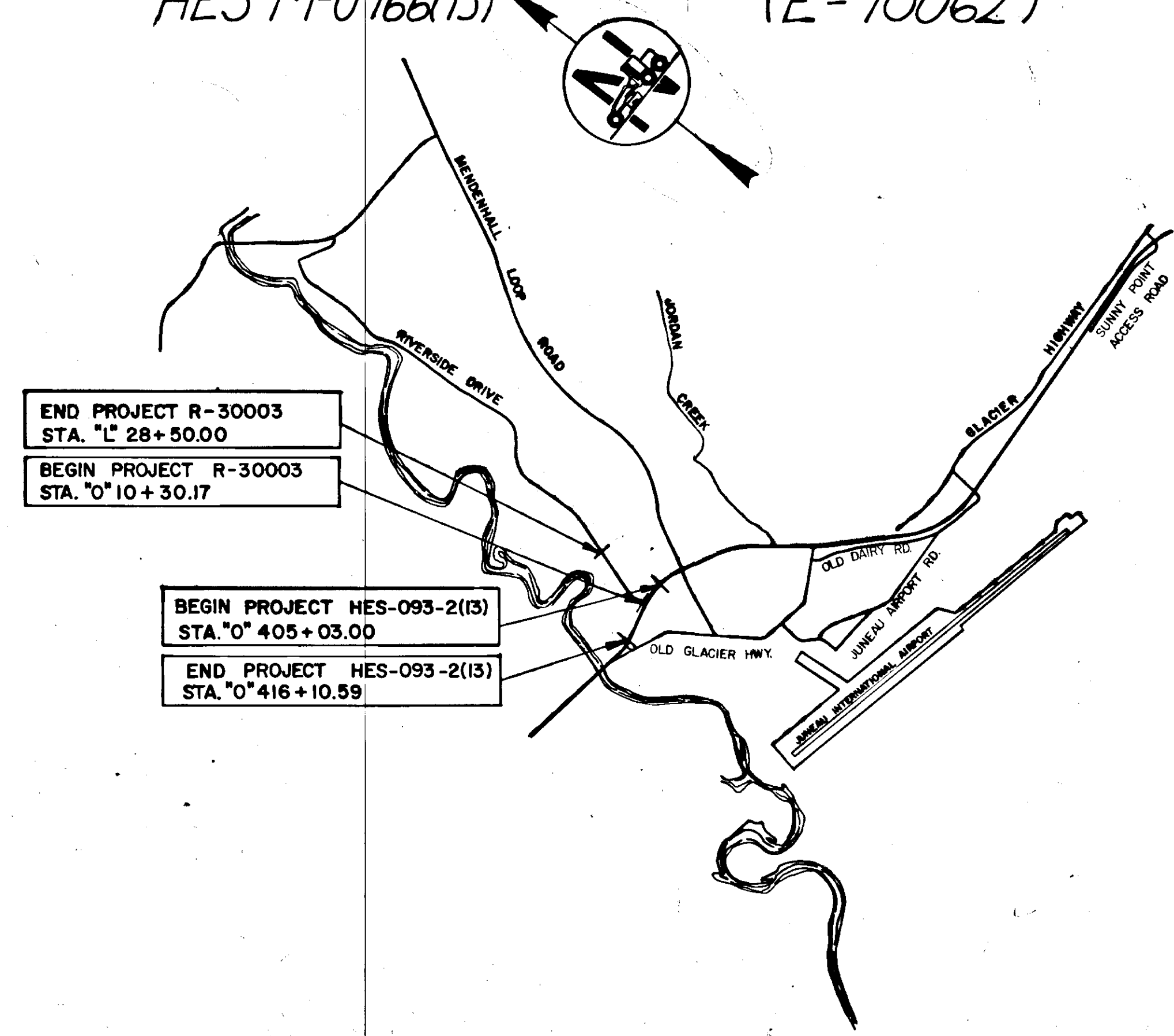


**STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
&  
PUBLIC FACILITIES**

**PLAN AND PROFILE  
PROPOSED HIGHWAY PROJECT  
EGAN DRIVE SAFETY IMPROVEMENTS  
SUNSET-RIVERSIDE INTERSECTION  
HES-093 -2(13) (E-90802)  
RIVERSIDE DRIVE EXTENSION  
R-30003**

*RIVERSIDE DRIVE WATERLINE R-30061-(EWO#1)  
STEPHEN RICHARDS DRIVE (SLIPP. AGR. #1)  
HES-M-0966(13) (E-90062)*



**DESIGN DESIGNATION**

ADT (1983)	▪	6,805
ADT (2003)	▪	17,100
DHV (13.5%)	▪	2,300
D	▪	45-55
T	▪	5%
V	▪	70

**PROJECT SUMMARY HES-093-2 (13)**

WIDTH OF WIDENING	▪	0'-12'
LENGTH OF PROJECT	▪	1107' = 0.210 ml.

**PROJECT SUMMARY R-30003**

WIDTH OF SUBGRADE	▪	32'-72'
WIDTH OF PAVEMENT	▪	24'-64'
LENGTH OF PAVEMENT	▪	1819.83' = 0.345 ml.
LENGTH OF PROJECT	▪	1819.83' = 0.345 ml.

STATE	PROJECT	SHEET NO.	TOTAL SHEETS
ALASKA	HES-093-2(13)	1	18

**ADDITIONAL PLAN SHEET ATTACHMENTS**  
Mendenhall Mall Intersection - 1 of 1 (16A)  
Waterline Plans - 2 of 2  
Stephen Richards Drive 4 of 4  
Sewerline Plans 2 of 2 (Private Contractor)

TABLE OF CONTENTS	
SHEET NUMBER	DESCRIPTION
1	TITLE SHEET
2	TYPICAL SECTION
3	ESTIMATE OF QUANTITIES & SUMMARY TABLES
4-5	PLAN SHEETS
6	ILLUMINATION PLAN
7	SIGNING & STRIPING PLAN
8	TRAFFIC CONTROL PLAN
9-18	RIVERSIDE DRIVE EXTENSION

*SH.3A Additional Estimate of Quantities.*

THE FOLLOWING STANDARD DRAWINGS SHALL APPLY TO THIS PROJECT: A-1, C-00.00, C-10.01, C-11.01, D-01.00, D-04.01, D-05.01, I-20.00, L-03.00, L-10.00, L-14.00, L-20.00, L-23.00, L-30.00, S-00.00, S-05.00, S-20.00, S-21.00, S-30.00, S-34.00, S-52.00, T-20.00, T-21.00, T-22.00, T-52.00

*"AS-BUILT PLANS"*

*Contractor: Red Samm Construction, Inc.  
Project Engineer: Phil Speer  
Begin Construction: October 31, 1983  
Complete Construction: September 1, 1984*

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
&  
PUBLIC FACILITIES

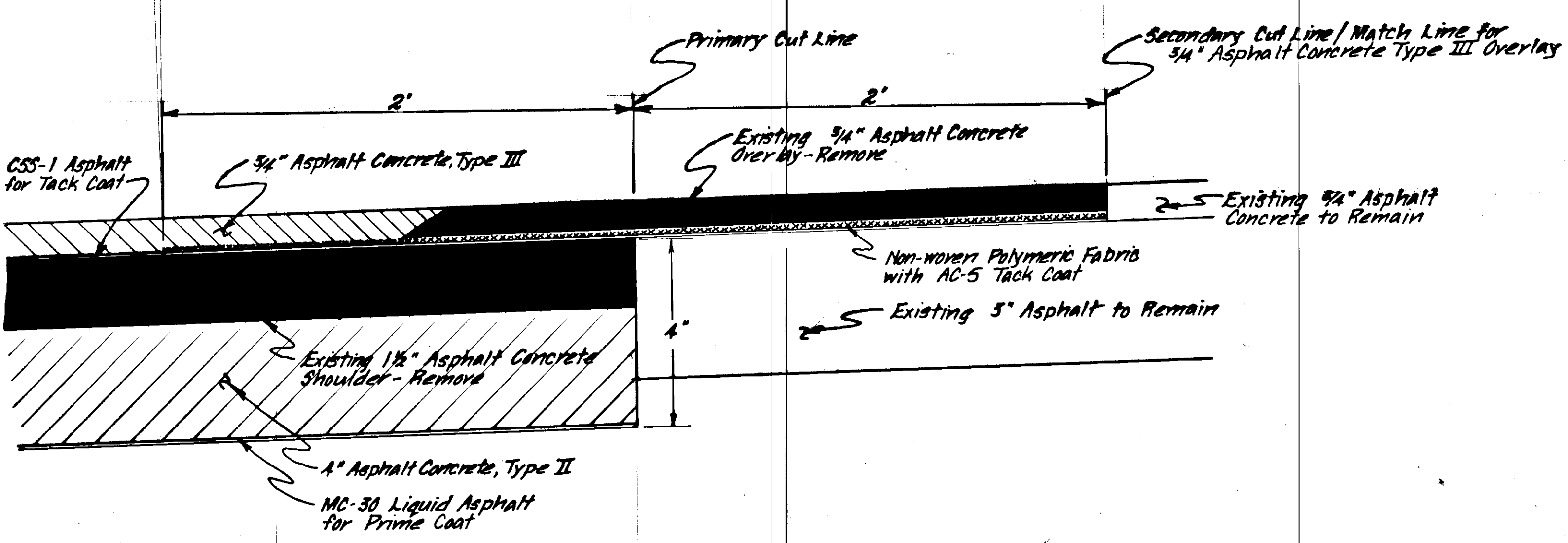
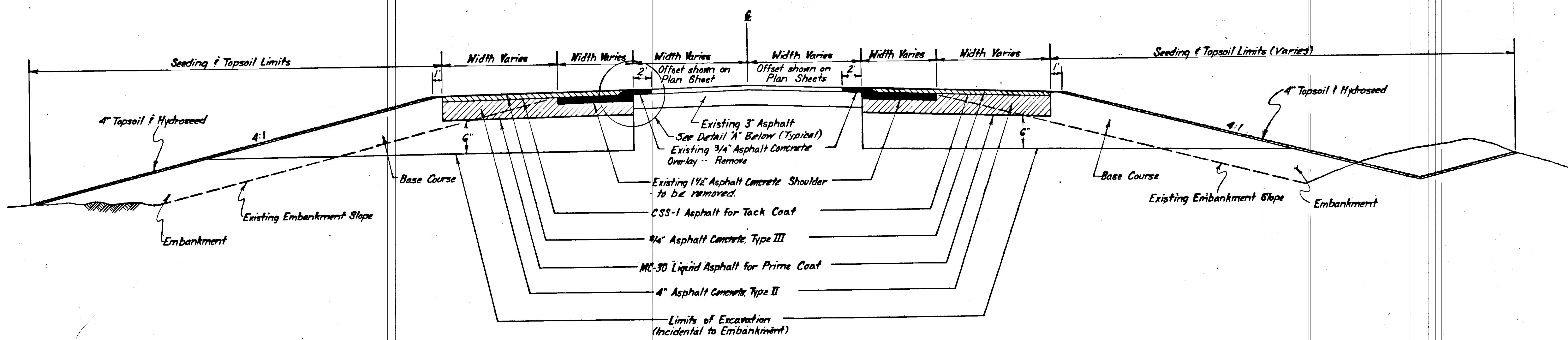
APPROVED  
*W. B. ...* DATE 7/12/83  
SOUTHEASTERN REGION DESIGN/CONST. ENGINEER

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
&  
PUBLIC FACILITIES

APPROVED  
*Charles ...* Date 7-12-83  
DIRECTOR, HIGHWAY DESIGN / CONSTRUCTION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	HES-093-2(13)	1983	2	18

### TYPICAL SECTION EGAN DRIVE WIDENING



**General Notes:**

- Alignments and grades shown on the plans are subject to minor revisions.
- "Primary Cut Line" is intended to be the edge of existing 5" pavement and may be adjusted in the field.
- "Secondary Cut Line" may be adjusted in field.
- Clearing and Grubbing limits shall be 5' beyond the slope limits.
- All waste material shall be disposed outside the RIW limits at a location selected by the Contractor and approved by the Engineer. Also, the Contractor may be required to obtain a Corp Permit if he chooses to waste the materials in the waters of the U.S. (i.e. Muskeg)
- Contractor will be required to design intersection grades to match existing grades. Intersection grades shall include island curb and gutter. Existing pavement cross slope grades will be extended to the shoulder of the new asphalt.
- Traffic Islands shall be paved with 3/4" Asphalt Concrete Type III and shall be sloped to drain towards curb.
- Soils information is available at the D.O.T./P.F. Building in Douglas for the Contractors' viewing.



### ESTIMATE OF QUANTITIES

ITEM NO.	ITEM	UNIT	EGAN DRIVE SAFETY IMPROVEMENT HES-093-2(13)	RIVERSIDE DR. EXTENSION R-30003	GRAND TOTAL
110(1)	Mobilization	L.S.	All Required	All Required	All Required
114(1)	Construction Surveying by the Contractor	L.S.	All Required	All Required	All Required
115(1)	Traffic Maintenance	L.S.	All Required	All Required	All Required
116(1)	Furnishing & Maintaining Field Office	L.S.	All Required	All Required	All Required
116(2)	Furnishing & Maintaining Field Laboratory	L.S.	All Required	All Required	All Required
201(2B)	Clearing & Grubbing C.O. No. 1	L.S.	All Required	All Required	All Required
202(1)	Removal of Structures & Obstructions	L.S.		All Required	All Required
202(4)	Removal of Culvert Pipe	L&F		224-6	224-6
203(3)	Unclassified Excavation C.O. No. 1	C.Y.		4395-388352	4395-388352
203(7A)	Obliteration of Roadway	L.S.		All Required	All Required
203(8)	Embankment C.O. No. 1	C.Y.	2187-1689	13,794-13,307.1	15,981-14,998.1
207(3)	Filter Cloth	S.Y.		9,298-10,433.9	9,298-10,433.9
301(1)	Base Course C.O. No. 1	Ton	1,544-1388.76	4,482-4,489.11	6,026-5,877.87
304(1)	Subbase-Grading-A- Deleted E.W.O. No. 6	Ton		4,689-	4,689-
401(1A)	Asphalt Concrete Type II C.O. No. 1	Ton	691-602.96	2,984-2,896.97	3,675-3,499.93
401(1B)	Asphalt Concrete Type III	Ton	146-185.82	467-582.15	613-767.97
401(2)	Asphalt Cement AC-5 C.O. No. 1	Ton	53-48.02	216.4-201.84	269.4-249.86
402(2)	CCS-1 Asphalt for Tack Coat C.O. No. 1	Ton	0.68-1.32	0.26-4.06	0.94-5.38
403(2)	MC-30 Liquid Asphalt for Prime Coat C.O. No. 1	Ton	3.0-1.26	12.0-9.88	15.0-11.14
406(1)	Asphalt Shoulder Removal	LF	1,852.5		1,852.5
603(22-20)	18 inch Pipe C.O. No. 1	LF		92-252	92-252
603(22-2A)	24 inch Pipe C.O. No. 1	LF		368-334	368-334
609(2)	Curb & Gutter Type Expressway	LF	196-128		196-128
614(1)	Survey Monuments	Each		8	8
614(2)	Monument Cases	Each		8	8
615(1)	Standard Signs C.O. No. 1	S.F.	221-217	5475-61.00	275-75-278 *
618(1)	Seeding	M.S.F.	31-44.90	71-64	102-116.54
620(1)	Topsoil	M.S.F.	31-24.03		31-24.03
639(1)	Approaches	Each		2	2
660(3)	Highway Lighting System	L.S.	All Required	All Required	All Required
670(1)	Painted Traffic Markings C.O. No. 1	L.S.	All Required	All Required	All Required

ITEM NUMBER	ESTIMATING FACTOR
203(8)	1.80 Tons / Cu. Yd.
301(1)	1.96 Tons / Cu. Yd.
304(1)	1.90 Tons / Cu. Yd.
401(1A) & (1B)	116 lbs. / S.Y. / Inch Depth
401(2)	6% of Item 401(1A)
401(2)	5% of Item 401(1B)
402(2)	0.04 Gal. / S.Y. (Residual), 240 Gal. / Ton Application Rate = 0.10 Gal. / S.Y.
403(2)	0.25 Gal. / S.Y., 250 Gal. / Ton



**Riverside Dr.**

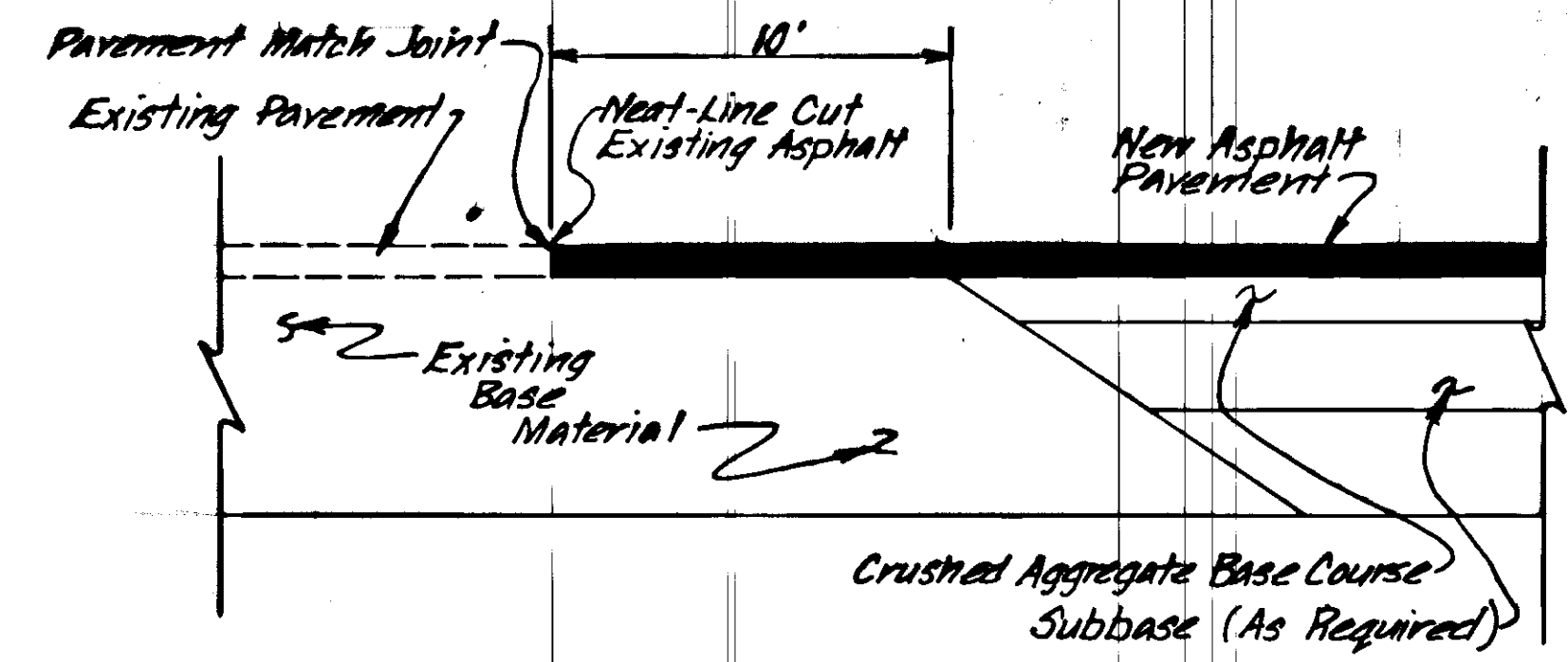
**RIGHT LANE ONLY**

Sign Size: 96" x 54"  
 Legend: Line 1, 2, 3 -- 8" - C  
 Color: White on Green - Line 1  
 Black on Yellow - Line 2, 3  
 Border Width: 1 1/4"  
 Margin Width: 3/4"  
 Corner Radius: 3"

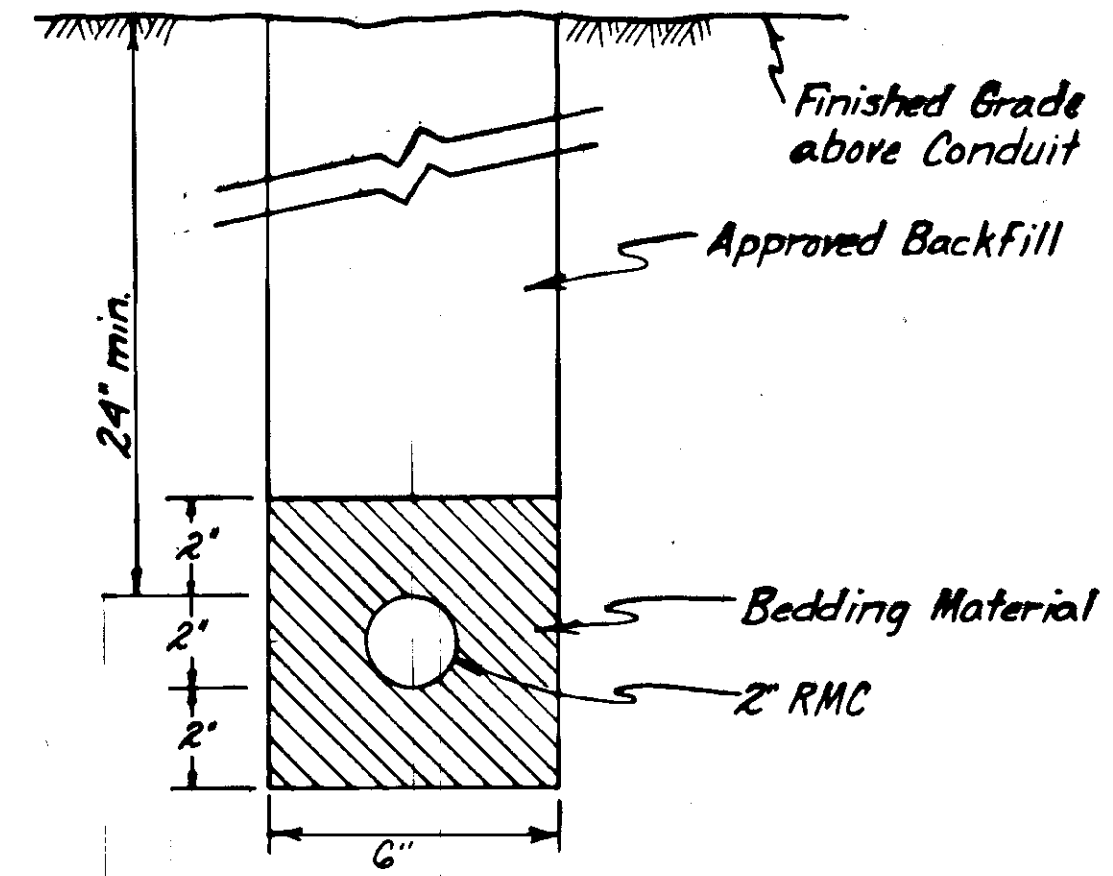
**THRU TRAFFIC KEEP LEFT**

Sign Size: 48" x 48"  
 Legend: Line 1, 3, 4 -- 8" - D  
 Line 2 -- 8" - C  
 Color: Black on White  
 Border Width: 1 1/4"  
 Margin Width: 3/4"  
 Corner Radius: 3"

#### PAVEMENT MATCH JOINT DETAIL

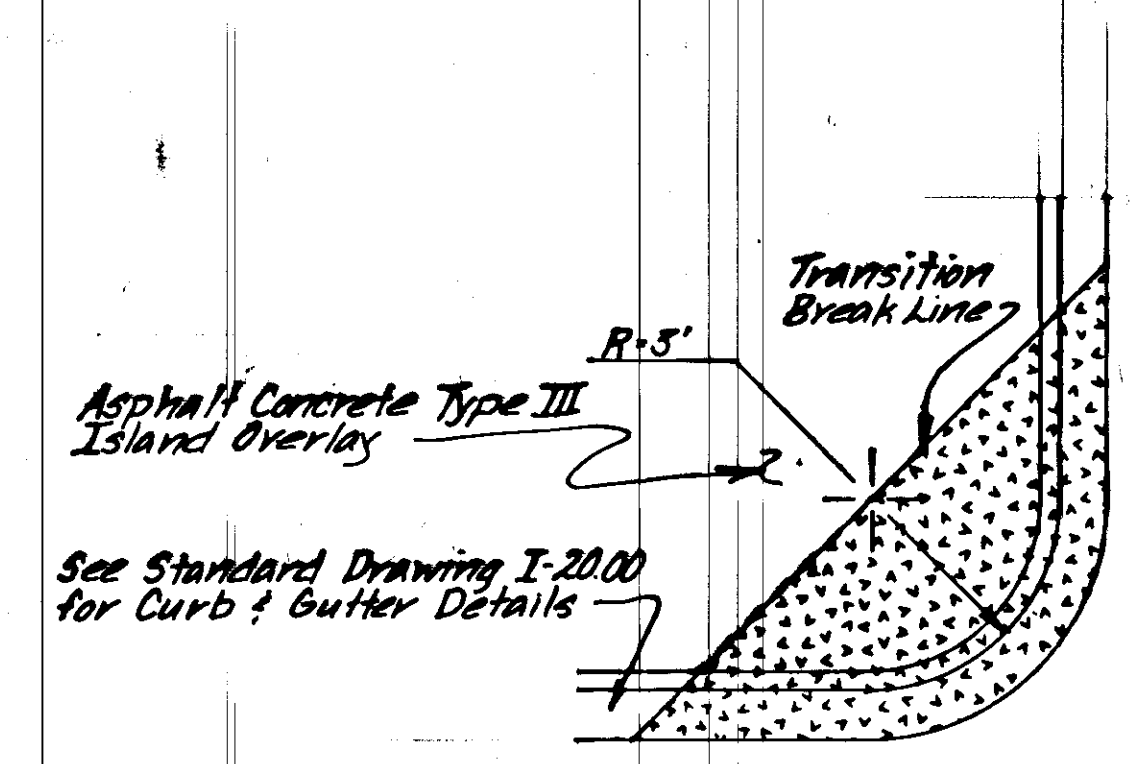


#### TRENCH DETAIL FOR HIGHWAY LIGHTING



1. Excavation, Backfill and Bedding is paid for under Item 660(3) Highway Lighting System, Lump Sum.
2. The conduit shall be constructed with a 6"/100" minimum slope.

#### CURB & GUTTER TRANSITION DETAIL



- 1) [Symbol] Indicates Curb and Gutter Transition Area. The entire area shall be constructed with the same type of concrete used in the Expressway Type Curb & Gutter. Smoothly Transition from Break Line to normal gutter pan elevation. Payment for this work is incidental to work done under Section 609(2).

### SIGNING SCHEDULE

No.	Station	Dist. from C/Lt.	Code No.	Legend	Sign Panel Thickness			Post				Facing Traffic	Remarks		
					Size	Unframed	Framed	Area S.F.	No. of Posts	Type	Size			Length	Embedment
1	398+00	56'		RIVERSIDE DR. RIGHT LANE ONLY	96"x54"	.100		36.0	2	See Standard DWG S-34.00	2"x2"	†	3'	WB	See Detail Above
2	403+67	50'		Through Traffic Keep Left	48"x48"	.080		16.0	1	PST	2"x2"	†	3'	WB	See Detail Above
3	403+67	10'		Through Traffic Keep Left	48"x48"	.080		16.0	1	PST	2"x2"	†	3'	WB	See Detail Above
4	404+95	33'	R3-5R	ONLY	48"x60"	.080		20.0	1					WB	Mount Overhead. See Detail, Sht. 6**
5	404+95	55'	R3-7R	Right Lane Must Turn Right	48"x48"	.080		16.0						WB	Mount to Luminaire Pole. **
5a	409+19	47'	R1-1	STOP	30"x30"	.080		6.25	1	PST	2"x2"	†	3'	NB	
6	406+15	45'	D1-1	Riverside Dr. →	24"x120"	.080		20.0	2	PST	2"x2"	†	3'	WB	
6a	411+00	40'	WB-0	Truck Crossing	30"x30"	.080		6.25	1	PST	2"x2"	†	3'	WB	
7	405+58	51'	WG-3	Two Way Traffic ††	48"x48"	.080		16.0	1	PST	2"x2"	†	3'	WB	
8	408+65	40'	D1-2	ALIVE BAY → JUNEAU	90"x42"	.080		26.25	2	PST	2"x2"	†	3'	SB	
9	408+76	28'	R1-1	STOP	30"x30"	.080		6.25	1	PST	2"x2"	†	3'	SB	
10	409+05	50'	R10-14	Right Turn Permitted Without Stopping	24"x30"	.080	5.00	9.00	1	PST	2"x2"	†	3'	SB	
11	409+75	37'	D1-1	← Riverside Dr.	24"x120"	.080		20.00	2	PST	2"x2"	†	3'	EB	
12	400+67	47'	R3-2	No Left Turn	18"x24"	.080		3.00	1	PST	2"x2"	†	3'	NB	
13	409+67	47'	R3-2		24"x24"	.080		4.00	1	PST	2"x2"	†	3'	NB	Mount above #12
REMOVE THE FOLLOWING SIGNS:															
	409+49	34'		STOP											
	397+00	60'		Right Lane Ends											
	402+00	6'		1 1/2' Wrong Way											
	402+00	60'		1 1/2'											
	405+56	40'		Two-way Traffic † Do Not Enter											

\* Post lengths to be determined by the Contractor.  
 \*\* Signs shall be Type II, Encapsulated Lens Sheeting.

Additional Project No's  
ESTIMATE OF QUANTITIES

ITEM NO.	ITEM	UNIT	RIVERSIDE/EGAN WATERLINE R-30061	CONDUIT INSTALLATION E-90801	STEPHEN RICHARDS HES-M-0966(13)
110(1)	Supp. No.1 Mobilization	L.S.	-	-	All Required
111(1)	Supp. No.1 Temp. Eros. & Poll. Cont.	C.S.	-	-	All Required
114(1)	Supp. No.1 Const. Sur. by The Contractor	L.S.	-	-	All Required
114(5)	E.W.O. No.1 Const. Sur. by The Contractor	L.S.	All Required	-	-
115(1)	Supp. No.1 Traffic Maintenance	L.S.	-	-	All Required
202(1)	Supp. No.1 Removal of Pavement	L.S.	-	-	All Required
203(8)	Supp. No.1 Uncl. Excav. & Emb.	L.S.	-	-	All Required
203(8)	E.W.O. No.1 Embankment	C.Y.	729.7	-	-
203(3)	E.W.O. No.1 Uncl. Excavation	C.Y.	729.7	-	-
207(4)	E.W.O. No.1 Trench Fabric	L.F.	-0-	-	-
301(1)	Supp. No.1 Crush. Agg. Base Course	Ton	-	-	209.09
401(1)	Supp. No.1 Asphalt Concrete Type II	Ton	-	-	96.91
401(2)	Supp. No.1 Asphalt Cement AC-5	Ton	-	-	531
402(2)	Supp. No.1 CSS-1 Asp. For Tack Coat	L.S.	-	-	All Required
403(1)	Supp. No.1 MC-30 Prime	Ton	-	-	-0-
607(4)	Supp. No.1 Reconstruct Fence	L.F.	-	-	20
615(1)	Supp. No.1 Standard Signs	S.F.	-	-	15.75
628(2)	E.W.O. No.1 6" Ductile Iron Water Conduit	L.F.	6	-	-
628(10)	E.W.O. No.1 10" Ductile Iron Water Conduit	L.F.	73	-	-
628(12)	E.W.O. No.1 12" Ductile Iron Water Conduit	L.F.	202	-	-
628(18)	E.W.O. No.1 18" Ductile Iron Water Conduit	L.F.	2011	-	-
628(4)	E.W.O. No.1 Install Valve Box	Each	10	-	-
628(6)	E.W.O. No.1 Fire Hydrant Installation	Each	3	-	-
628(9)	E.W.O. No.1 Water Service Connection	Each	1	-	-
628(10-12)	E.W.O. No.1 Install 6" Gate Valve	Each	1	-	-
628(10-12)	E.W.O. No.1 Install 10" Gate Valve	Each	2	-	-
628(10-12)	E.W.O. No.1 Install 12" Gate Valve	Each	3	-	-
628(10-12)	E.W.O. No.1 Install 18" Butterfly Valve	Each	4	-	-
629(1)	E.W.O. No.1 Open Cut Crossing Egan Drive	L.S.	All Required	-	-
660(9)	E.W.O. No.2 Install two 3" PVC Furnished by BC	L.S.	-	All Required	-
660(10)	E.W.O. No.2 Install Two 4" PVC Furn. By J.D. Telephone	L.S.	-	All Required	-
660(11)	E.W.O. No.2 Install Two 5" RMC Furn. By A.E.L. & P.	L.S.	-	All Required	-
670(1)	Supp. No.1 Painted Traffic Markings	L.S.	-	-	All Required

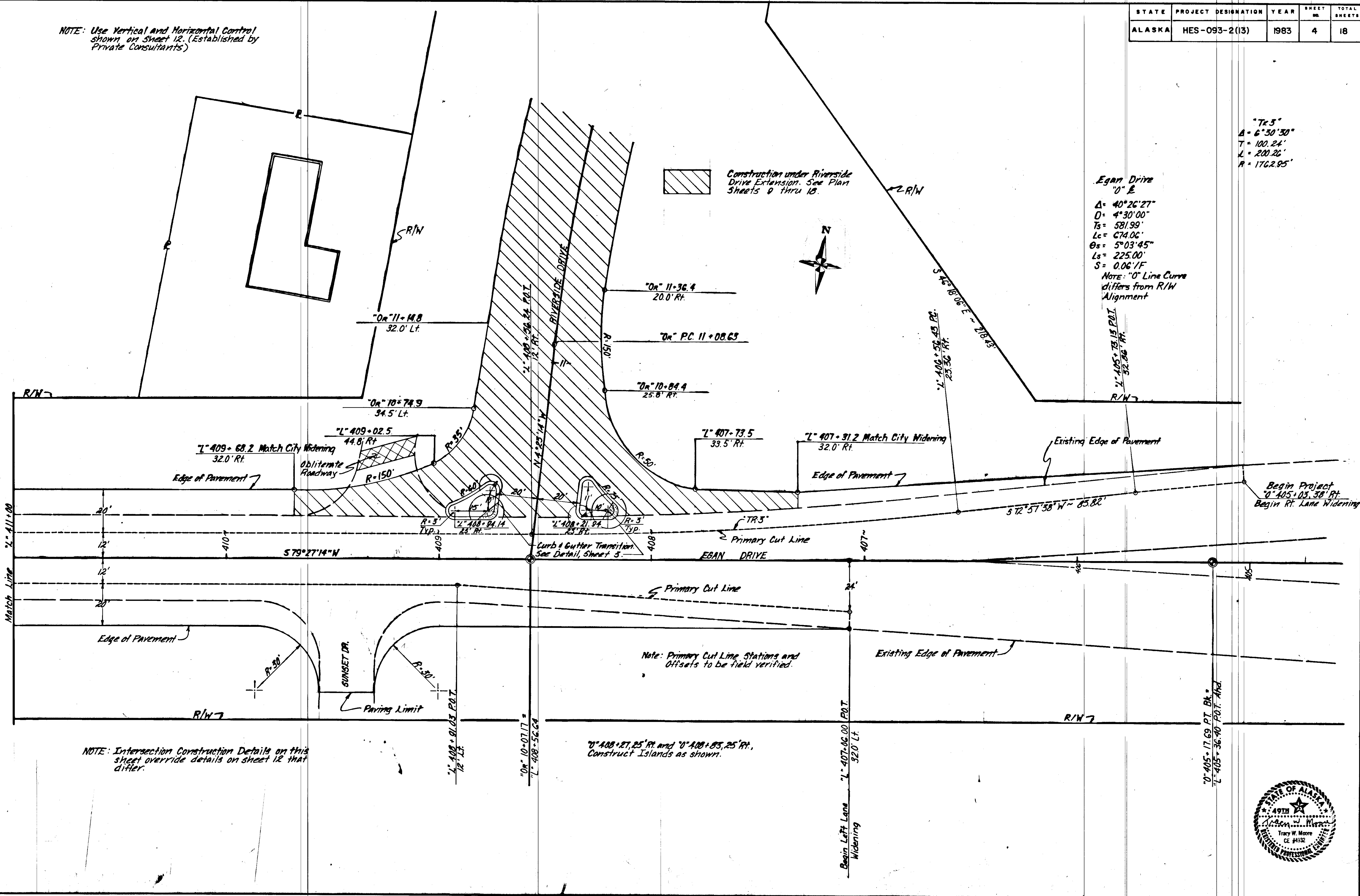
Additional  
ESTIMATE OF QUANTITIES

ITEM NO.	ITEM	UNIT	EGAN DRIVE SAFETY IMPR HES-098-2(13)	RIVERSIDE DR. EXTENTION R-30003	GRAND TOTAL
114(1)	E.O.W. No.5 Engineering for Pole Relocation	L.S.	-	All Required	All Required
304(1)	E.O.W. No.6 Subbase, Grading "A"	L.S.	-	All Required	All Required
606(1)	E.O.W. No.9 Beam Type Guardrail, Type 1/Reb	L.S.	-	All Required	All Required
639(1)	E.O.W. No.8 Approach Rebeaction	L.S.	-	All Required	All Required
660(1)	E.O.W. No.7 Luminaire Base	L.S.	All Required	-	All Required
660(12)	E.O.W. No.3 3" P.V.C. Conuit	L.S.	-	All Required	All Required
660(13)	E.O.W. No.4 3" Rigid Metal Conduit	L.S.	All Required	-	All Required

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	HES-093-2(13)	1985	34	18

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	HES-093-2(13)	1983	4	18

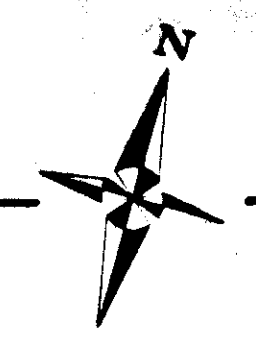
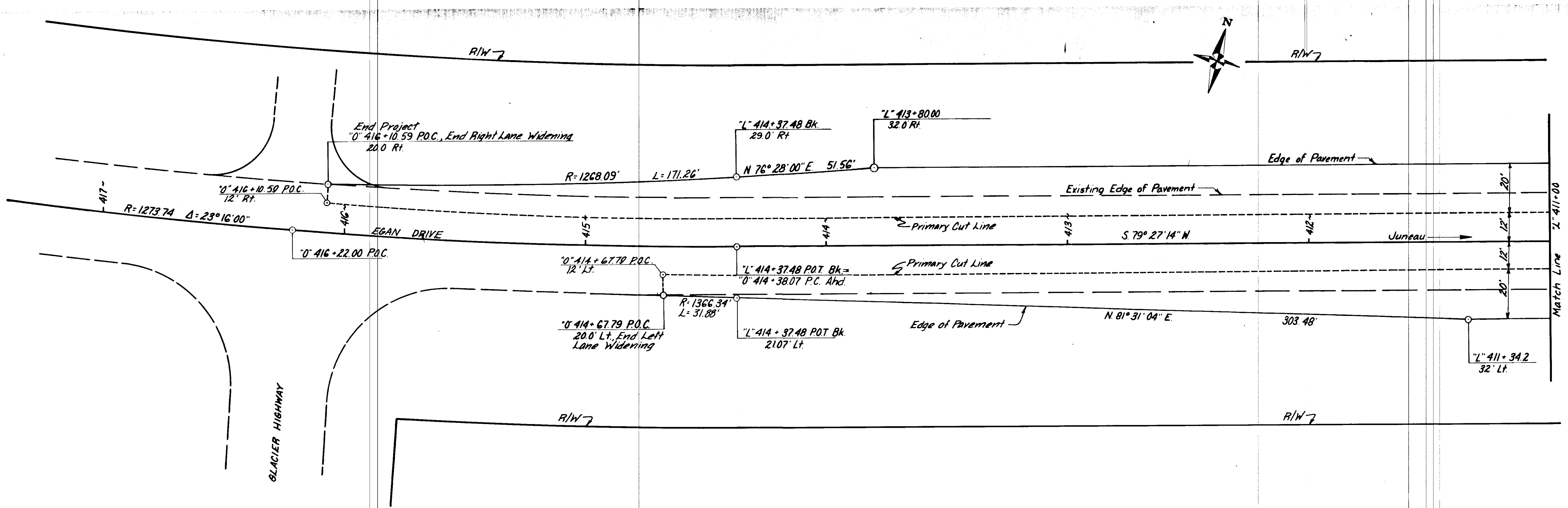
NOTE: Use Vertical and Horizontal Control shown on Sheet 12. (Established by Private Consultants)



"Tc 5"  
 $A = 6^\circ 30' 30''$   
 $T = 100.24'$   
 $L = 200.26'$   
 $R = 1762.95'$



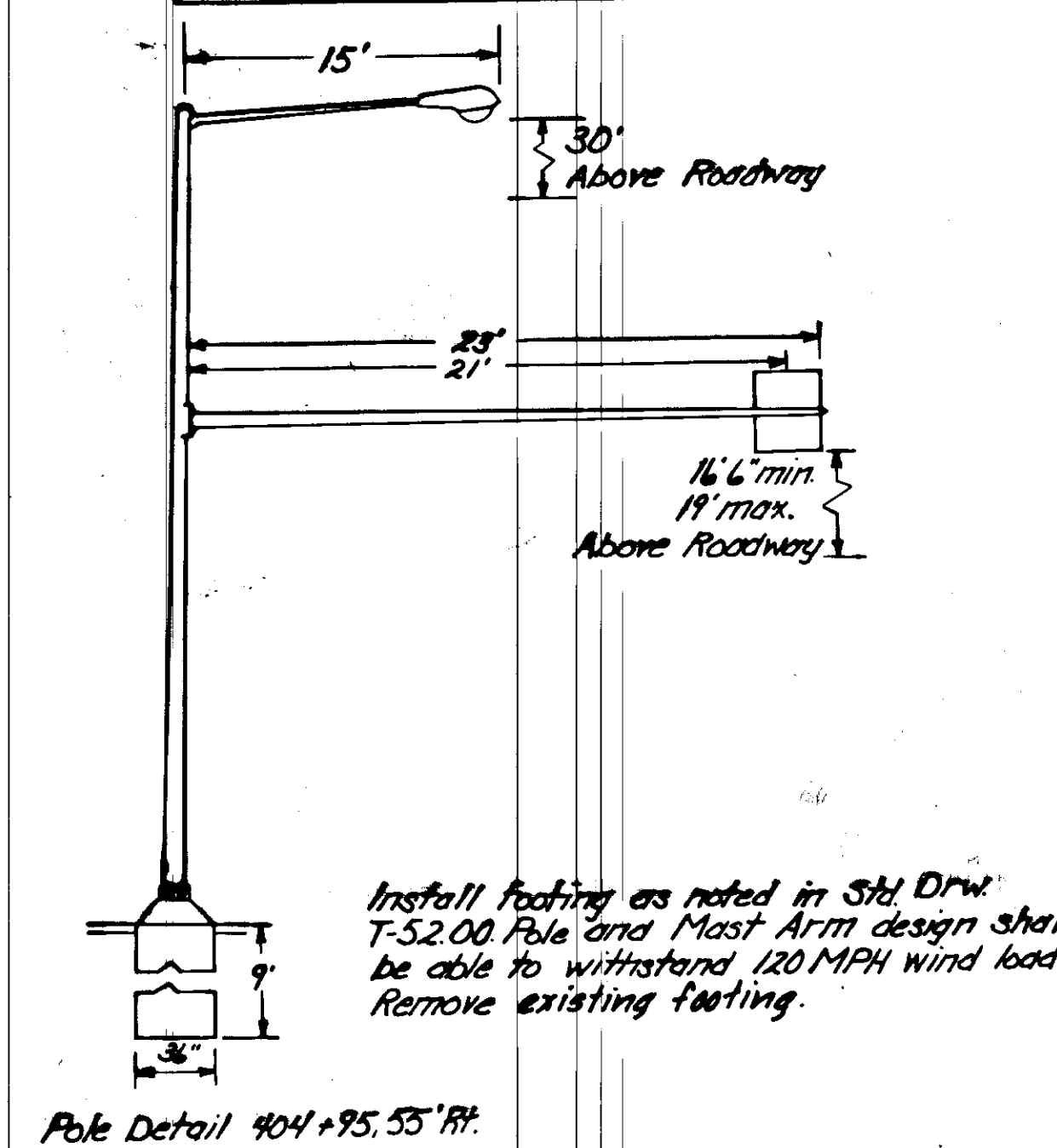
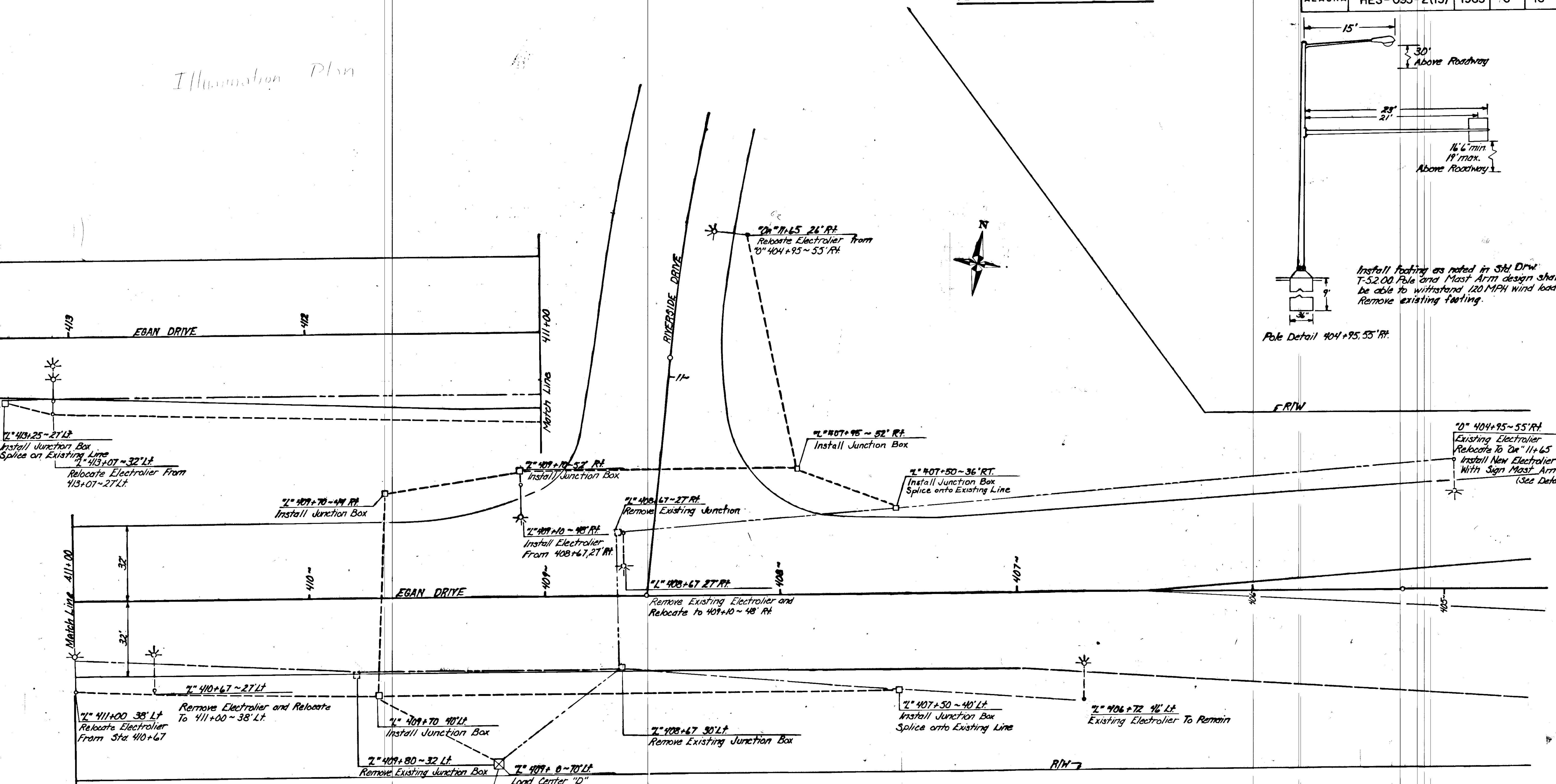
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	HES-093-2(13)	1983	5	18



# ILLUMINATION PLAN

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	HES-093-2(13)	1983	6	18

*Illumination Plan*



**NOTE:**

- All interconnecting conductors shall be #8 AWG
- Conduit and cable routing as shown on the plan are schematic only & may be modified in the field as necessary to complete the lighting system. Any modification shall be approved by the engineer.
- All wiring shall be in 2" metal conduit.
- All work and material involved with burial of conduit shall be considered incidental to the Lighting System.
- All Junction Boxes shall be Type I as per Standard Drawing 23.00
- Existing junction boxes may be relocated.
- The location of junction boxes which are spliced onto existing conductors shall be field verified.

Power Source

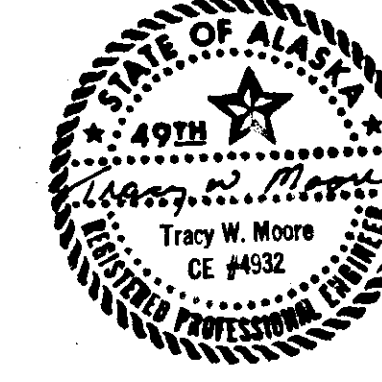
- All electrolier base footings shall be Type III, 6" deep x 3' diameter as shown on Standard Drawing L-30.00, unless otherwise noted on the plans.
- Pole and mast arm design shall be able to withstand 120 mph wind.
- The new illumination system shall connect into the existing load center 70' Lt., Sta. "L" 409+70.
- Existing illumination system may be disconnected from power supply during the working period but will be reinstated for use during darkness hours.
- New electrolier with sign mast arm shall be considered incidental to the Lighting System.

- New luminaire shall be High Pressure Sodium, 240 V, 400 W, Type III, M.S.C.
- Bases shall be relocated or disposed of, at the Contractor's option.
- The Contractor shall not cut the existing paved roadway to install electrical conduit.
- Existing 2" RMC with conductor to be abandoned may be left in the ground.

**LEGEND**

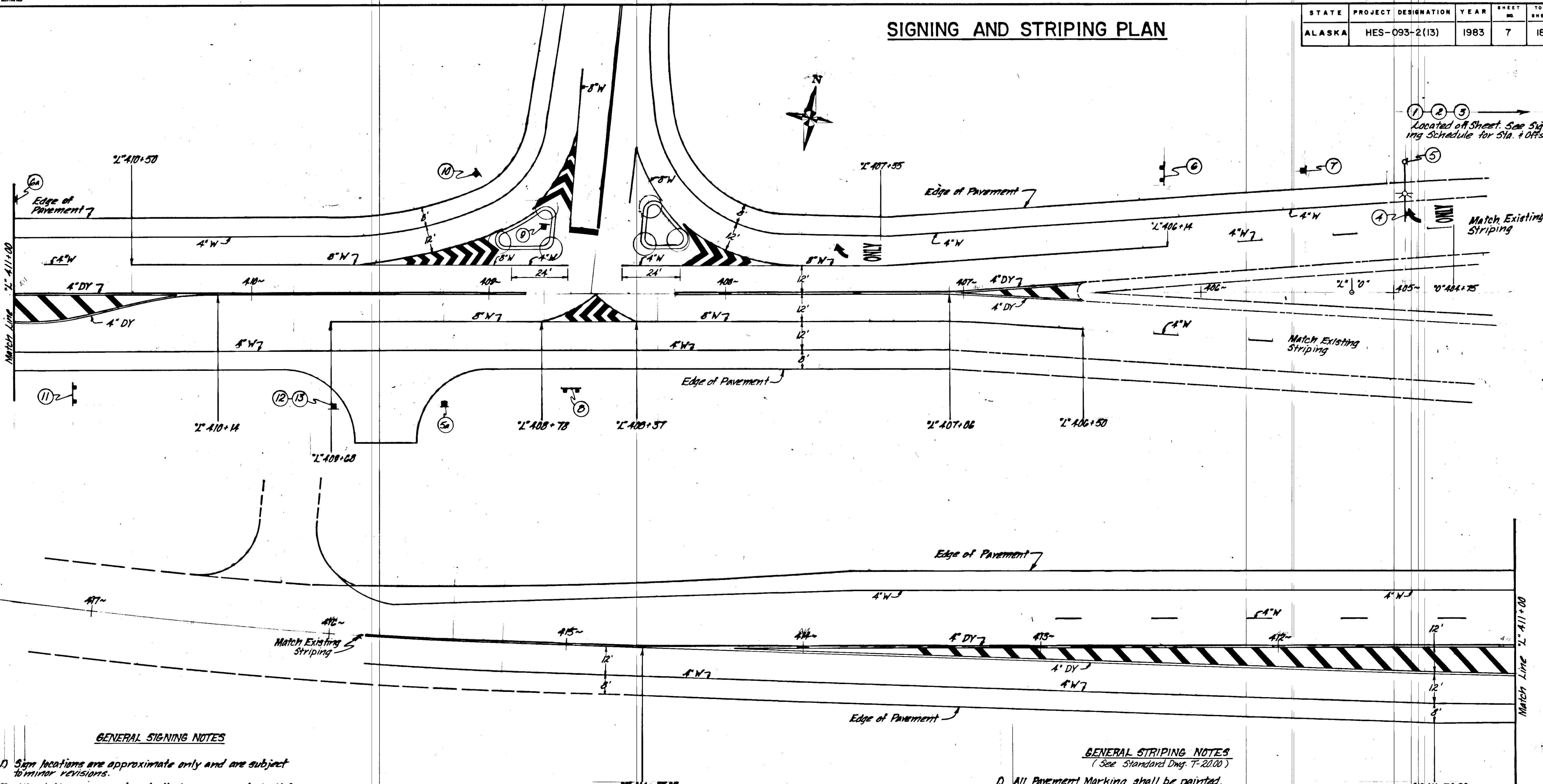
--- New 2" RMC w/ Conductor

- - - Existing 2" RMC w/ Conductor



# SIGNING AND STRIPING PLAN

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	HES-093-2(13)	1983	7	18



① ② ③  
 Located off Sheet. See Signing Schedule for Sta. & Offsets

### GENERAL SIGNING NOTES

- 1) Sign locations are approximate only and are subject to minor revisions.
- 2) All existing signs and posts that are removed shall be salvaged and delivered to the Department of Transportation and Public Facilities maintenance yard in Juneau. Payment for this work shall be considered incidental to Item 615(1), Standard Sign, and no separate payment will be made therefor.
- 3) When telescoping, perforated, galvanized steel posts are specified (See signing schedule), the 2" size shall be used above ground and the 2 1/4" size shall be used below ground.

### GENERAL STRIPING NOTES

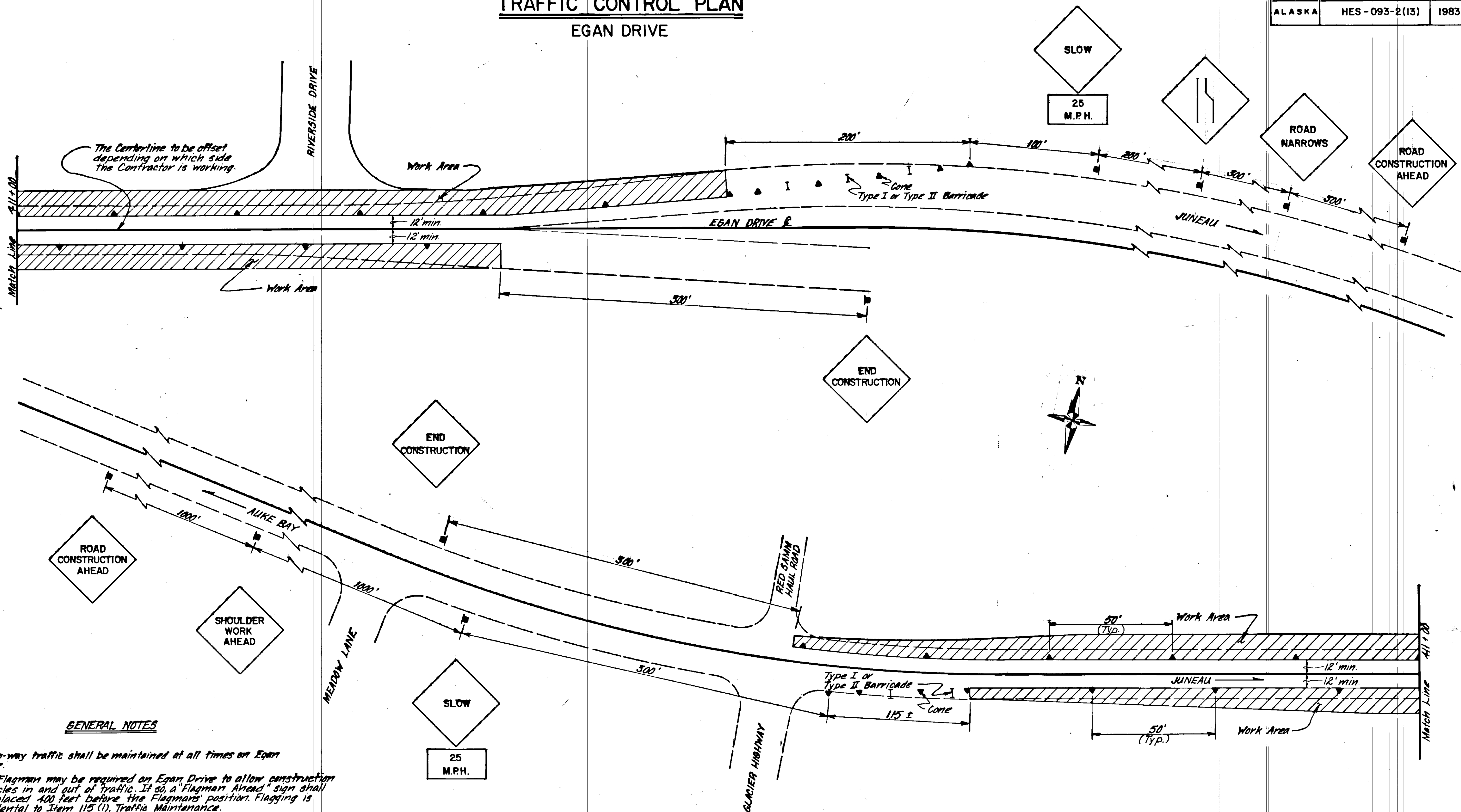
- (See Standard Dwg. T-20.00)
- 1) All Pavement Marking shall be painted.
  - 2) Marking as shown on the plan are approximate only. The exact locations shall be determined after grade is complete. The Contractor is responsible for alignment layout.
  - 3) Intersection Striping Details on these plans shall override striping details shown the Riverside Drive Extension Plans, Sheet 16.



# TRAFFIC CONTROL PLAN

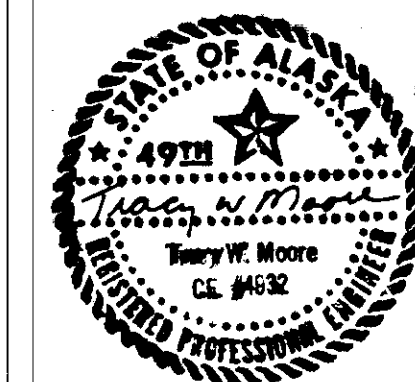
## EGAN DRIVE

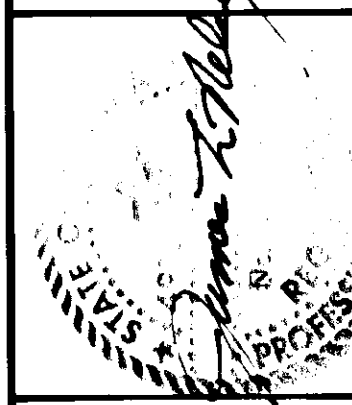
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	HES-093-2(13)	1983	8	18



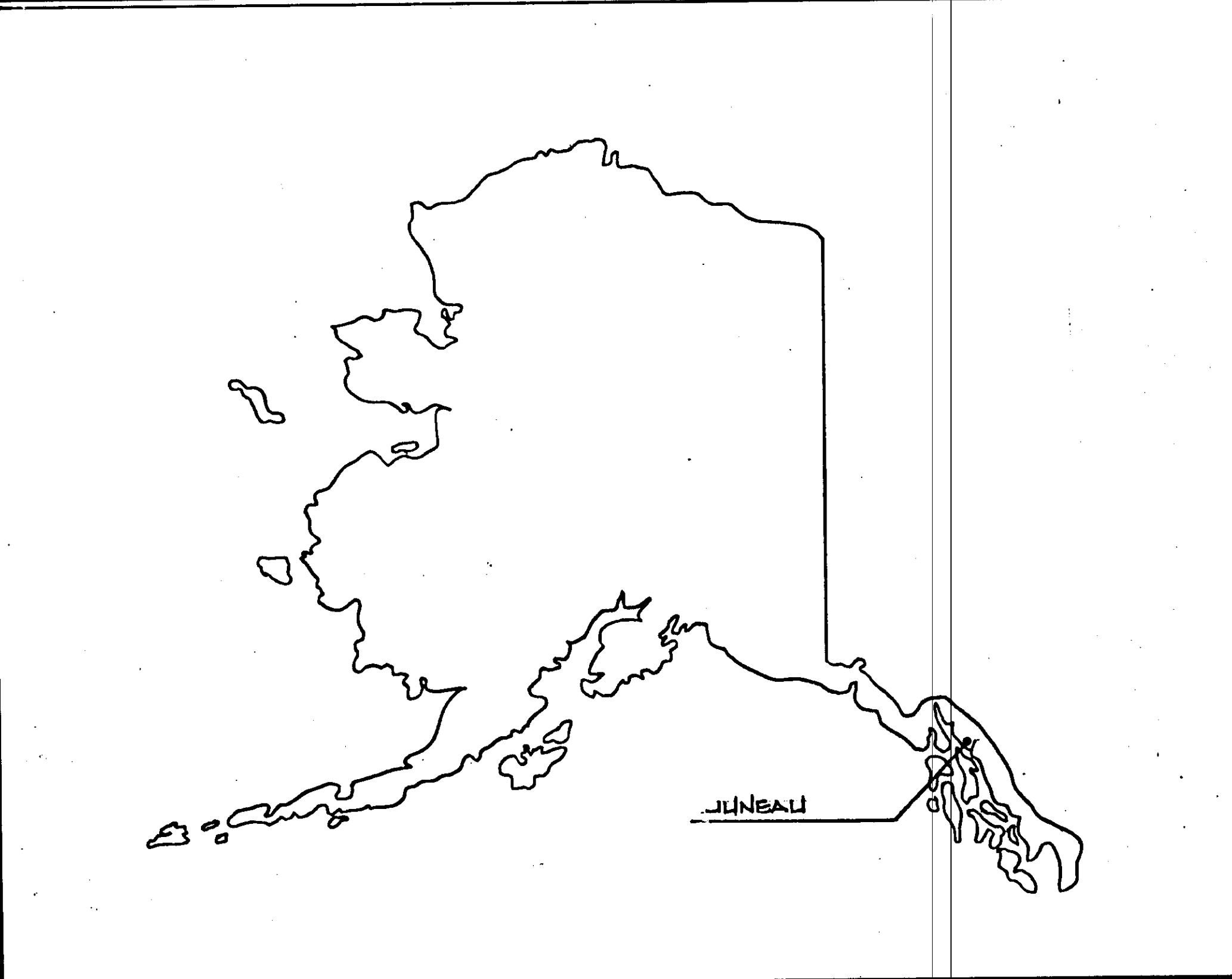
### GENERAL NOTES

- 1) Two-way traffic shall be maintained at all times on Egan Drive.
- 2) A Flagman may be required on Egan Drive to allow construction vehicles in and out of traffic. If so, a "Flagman Ahead" sign shall be placed 400 feet before the Flagman's position. Flagging is incidental to Item 115 (1), Traffic Maintenance.
- 3) The Contractor shall cover the face of those existing signs which conflict with this Traffic Control Plan.
- 4) The work area shall be lighted 24 hours a day during construction of this project. The lights shall be spaced at 200' intervals full length of the work area and be Flashing Yellow.
- 5) The maximum dropoff at the edge of the work area shall be 2-inches during non-working hours.
- 6) The widening on the south side of the roadway shall be constructed to the top of Asphalt Concrete Type II before work may begin on the north side.
- 7) All striping in the work area shall be removed as directed when it indicates conditions that do not exist.
- 8) Temporary striping will be required during construction of the project and all materials and labor shall be paid for under Item 115(1), Traffic Maintenance.





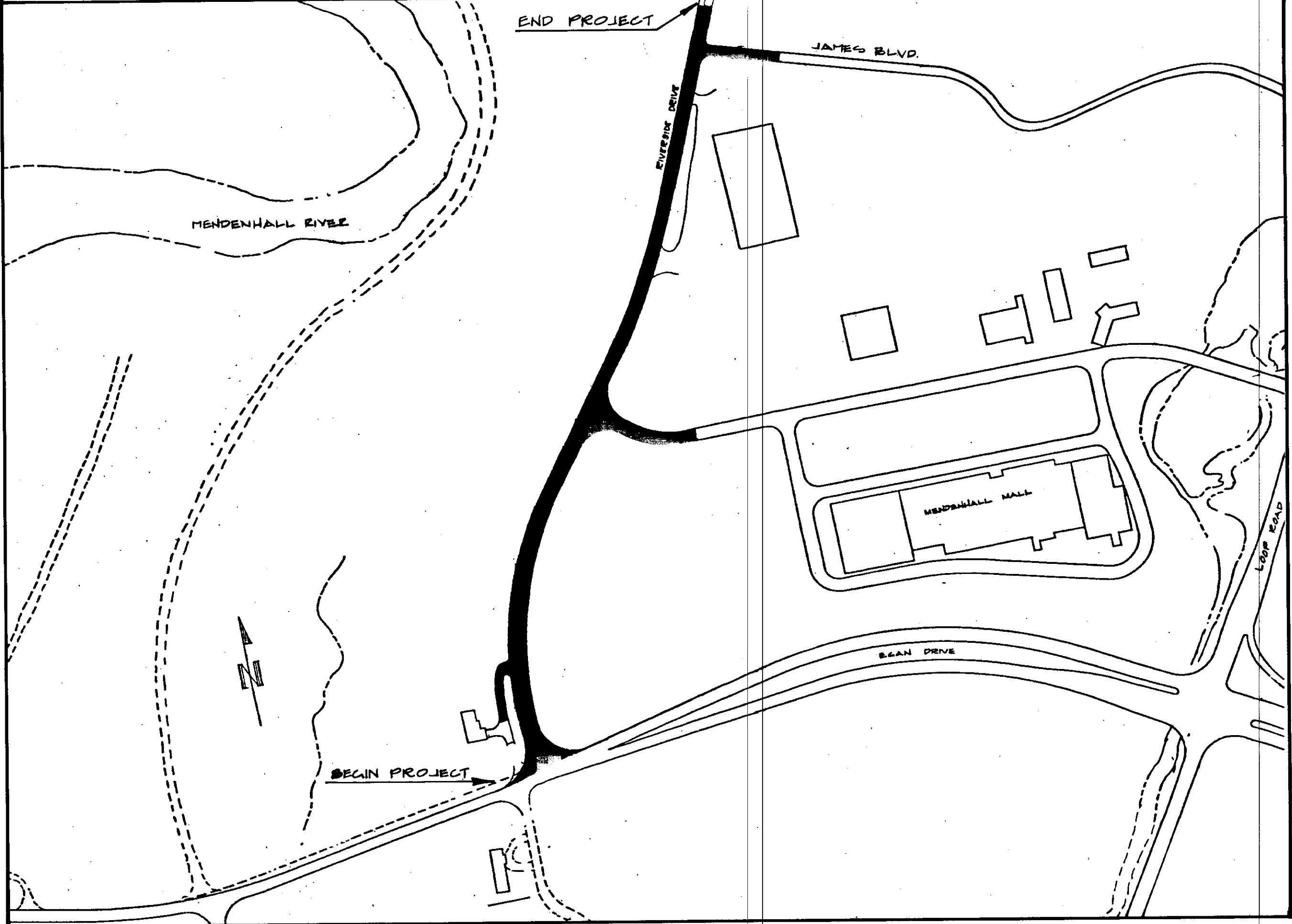
LOCATION MAP



# RIVERSIDE DRIVE / EGAN DRIVE CONNECTION

CITY AND BOROUGH OF JUNEAU  
 DEPARTMENT OF ENGINEERING  
 JULY 1983

VICINITY MAP



DRAWING INDEX

TITLE SHEET	9
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PLAN AND PROFILE SHEET	13
INTERSECTION DETAILS	14
SUMMARY TABLES AND INTERSECTION DETAIL	15
STRIPING AND SIGNING	16
STRIPING AND SIGNING	17
STRIPING AND SIGNING	18

**GENERAL NOTES**

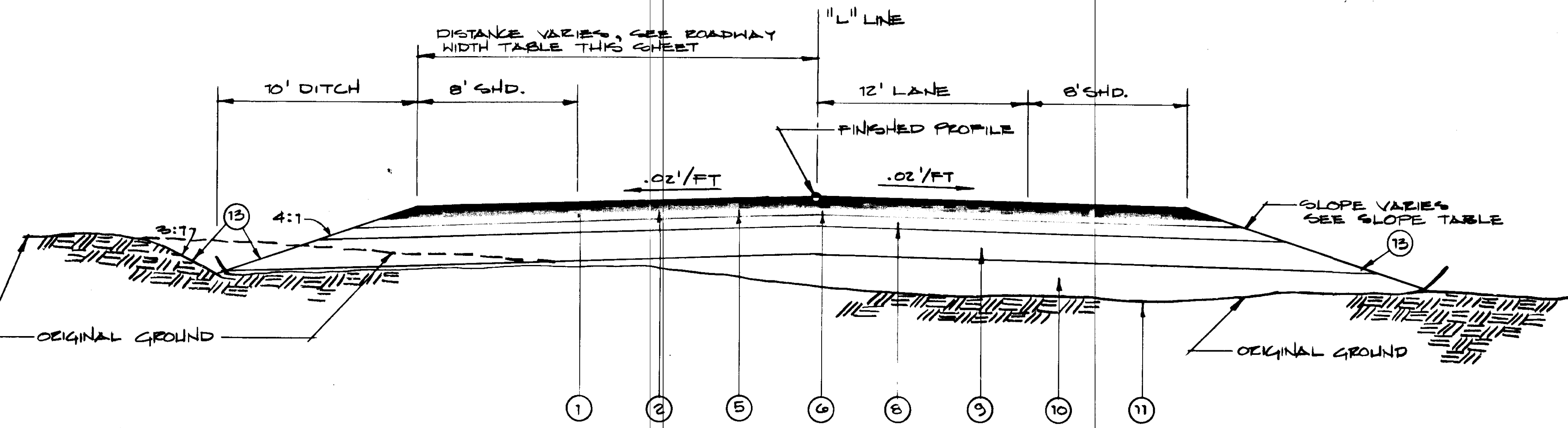
- ALIGNMENTS AND GRADES SHOWN ON THE PLANS ARE SUBJECT TO MINOR REVISIONS.
- CULVERT LOCATIONS AND LENGTHS INDICATED ON THE PLANS ARE APPROXIMATE ONLY AND ARE SUBJECT TO MINOR REVISIONS.
- LOCATIONS OF UTILITIES INDICATED ON THE PLANS ARE APPROXIMATE ONLY.
- CLEARING AND GRUBBING LIMITS SHALL BE 5' BEYOND THE SLOPE OR TO THE R/W LINE, WHICHEVER IS CLOSER.
- ALL WASTE MATERIAL SHALL BE DISPOSED OUTSIDE THE R/W LIMITS AT A LOCATION SELECTED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER.

**ROADWAY WIDTH TABLE**

STATION	DISTANCE TO SHOULDER		REMARKS
	LT.	RT.	
"0" 12+00	32.0	20.0	TRANSITION RT.
+25		20.2	
+50		20.4	
+75		20.6	
"0" 13+00		20.8	
+25		21.1	
+50		21.4	
+75		21.7	
"0" 14+00		22.0	
+25		22.5	
+50		23.3	
+75		24.2	
"0" 15+00		25.5	
+25		26.2	
+50		27.3	
+75		28.4	
"0" 16+00		29.6	
+25		31.0	
"0 1/2" L" +47.25		32.0	

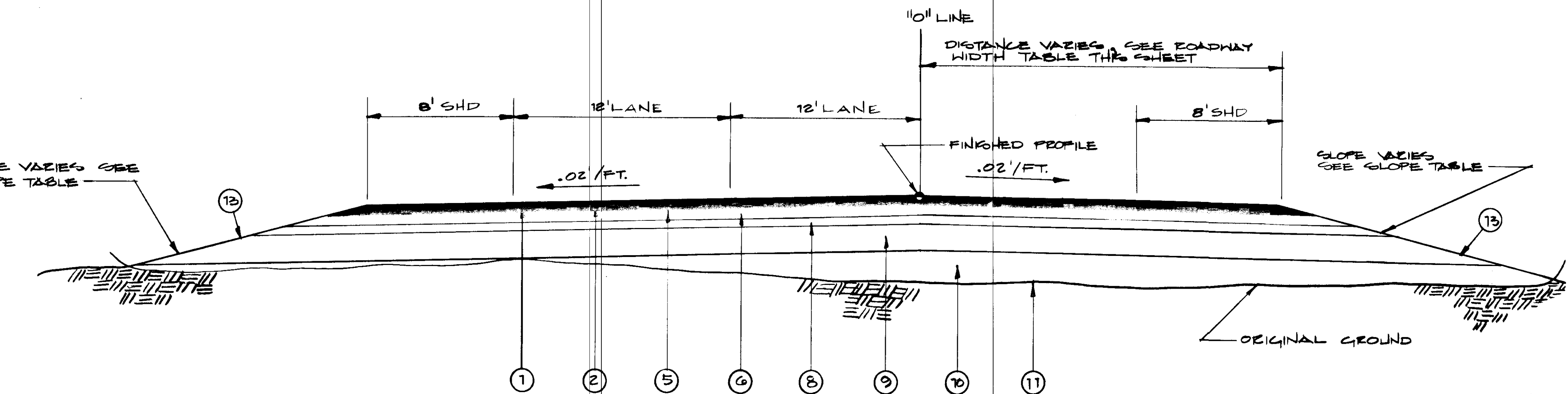
**ROADWAY WIDTH TABLE (CONT.)**

STATION	DISTANCE TO SHOULDER		REMARKS
	LT.	RT.	
"0 1/2" L" 16+47.25	32.0	32.0	UNIFORM WIDTH INTERSECTION RT.
"L" 17+50	32.0	32.0	
"L" 18+50	32.0	20.0	
"L" 20+00	32.0		UNIFORM WIDTH
+25	31.5		
+50	30.7		
+75	29.1		
"L" 21+00	27.4		TRANSITION LT.
+25	25.5		
+50	23.7		
+75	22.0		
"L" 22+00	20.8		UNIFORM WIDTH
+25	20.2		
+50	20.0		
"L" 28+00	20.0	20.0	UNIFORM WIDTH
"L" E.O.P. 28+50	12.0	12.0	



**TYPICAL SECTION**

"L" 18+00 TO "L" 24+00  
"L" 26+35 TO E.O.P.



**TYPICAL SECTION**

B.O.P. "0" 10+30.2 TO "L" 18+00

**TABLE OF FILL SLOPES**

STATION	LEFT	RIGHT
BOP	2:1	3:1
18+50	TRANSITION	3:1
19+00		
22+00		TRANSITION
22+50		2:1
23+50	4:1	TRANSITION
24+00		3:1
EOP		3:1

**LABELING INDEX**

1	3/4" HOT ASPHALT CONCRETE (TYPE II)
2	1 1/4" HOT ASPHALT CONCRETE (TYPE II), 2 LIFTS
3	3" HOT ASPHALT CONCRETE (TYPE II), 2 LIFTS
4	2" HOT ASPHALT CONCRETE (TYPE II)
5	MC-20 LIQUID ASPHALT FOR PRIME COAT
6	6" CRUSHED AGGREGATE BASE COURSE
7	1 1/2" CRUSHED AGGREGATE BASE COURSE
8	6" SUB BASE (GRADING A)
9	18" EMBANKMENT (TYPE A)
10	EMBANKMENT
11	FILTER FABRIC (SEE SUMMARY TABLE, SHEET 15)
12	CS-1 ASPHALT FOR TACK COAT
13	SEEDING

REVISIONS

NO.	DATE	BY	CHANGE
1			

INDEX

REVISIONS

Paul Keithmann  
JUNE 1983  
JOB # 82-T-23

SHEET 10 OF 18

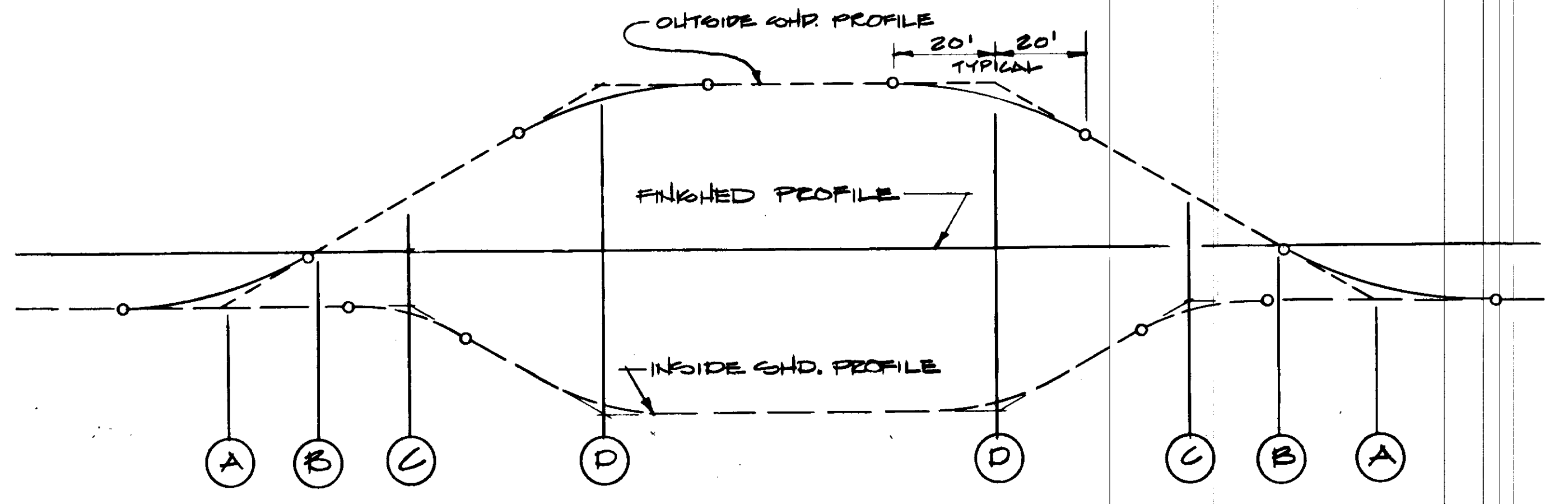
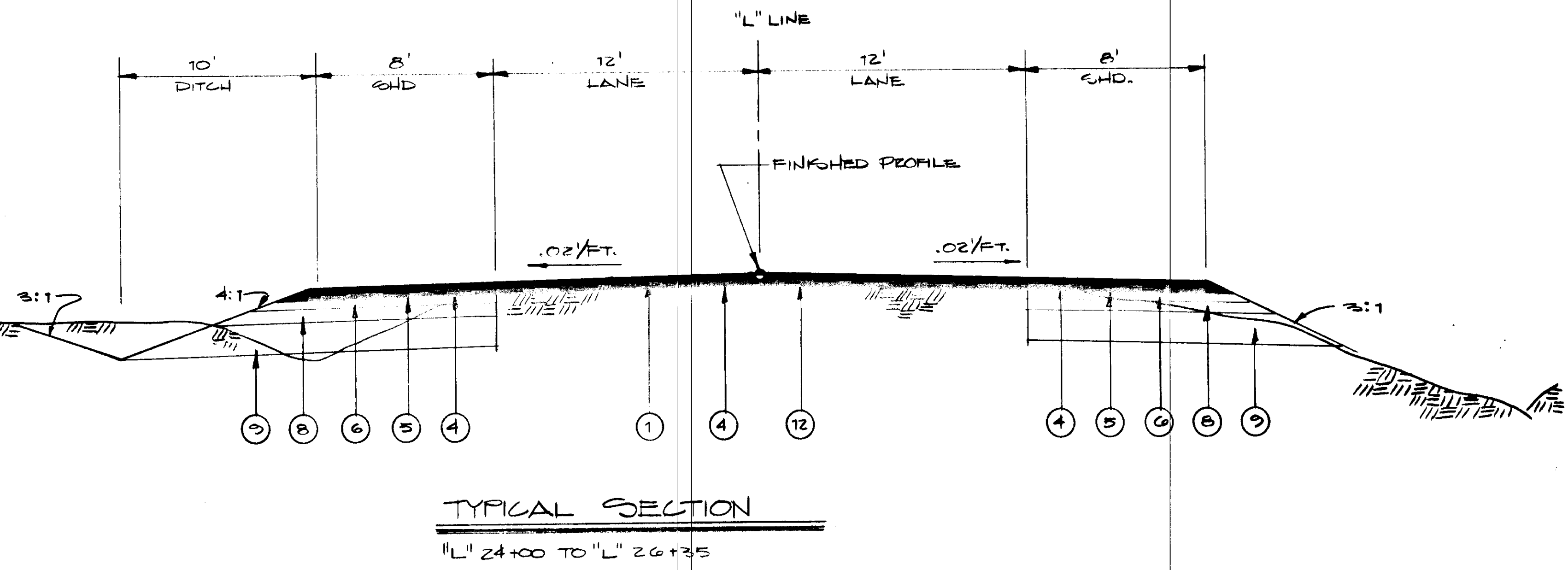
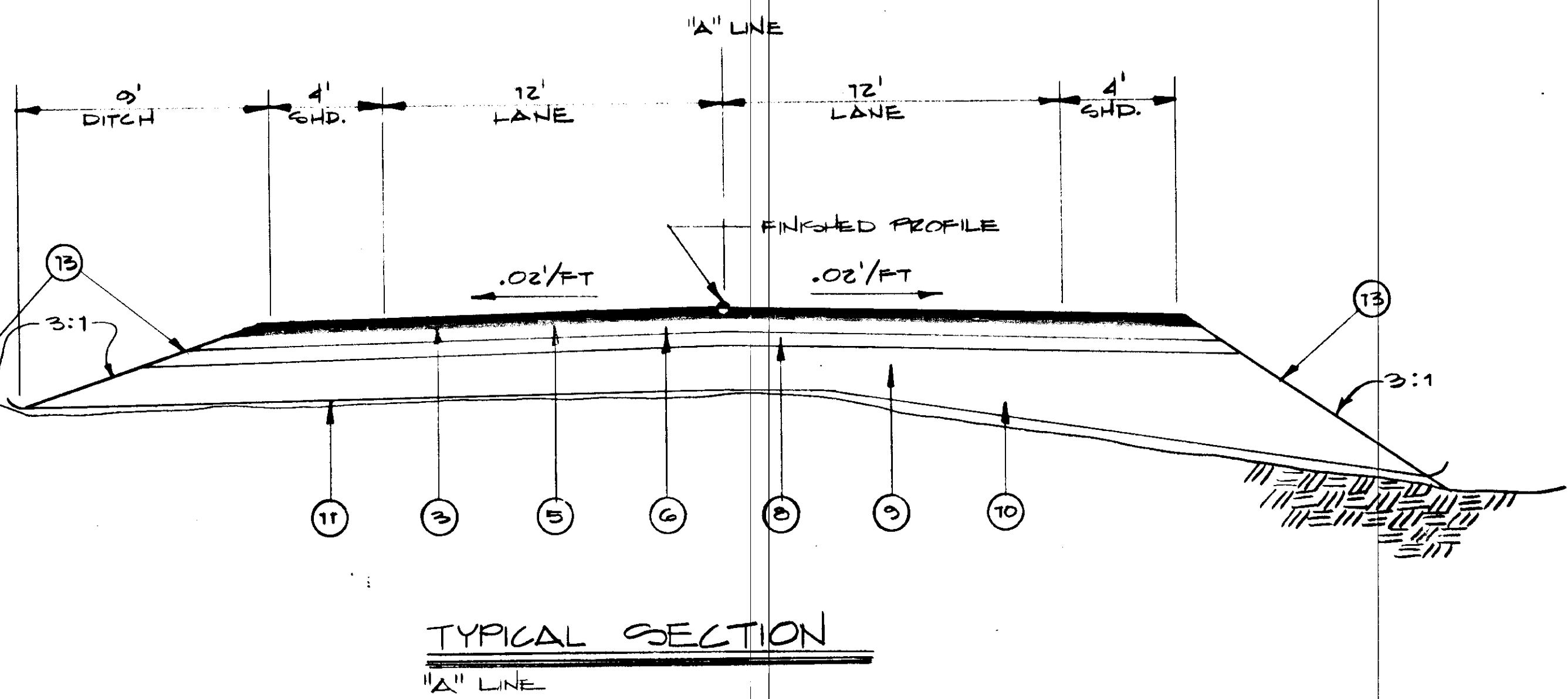
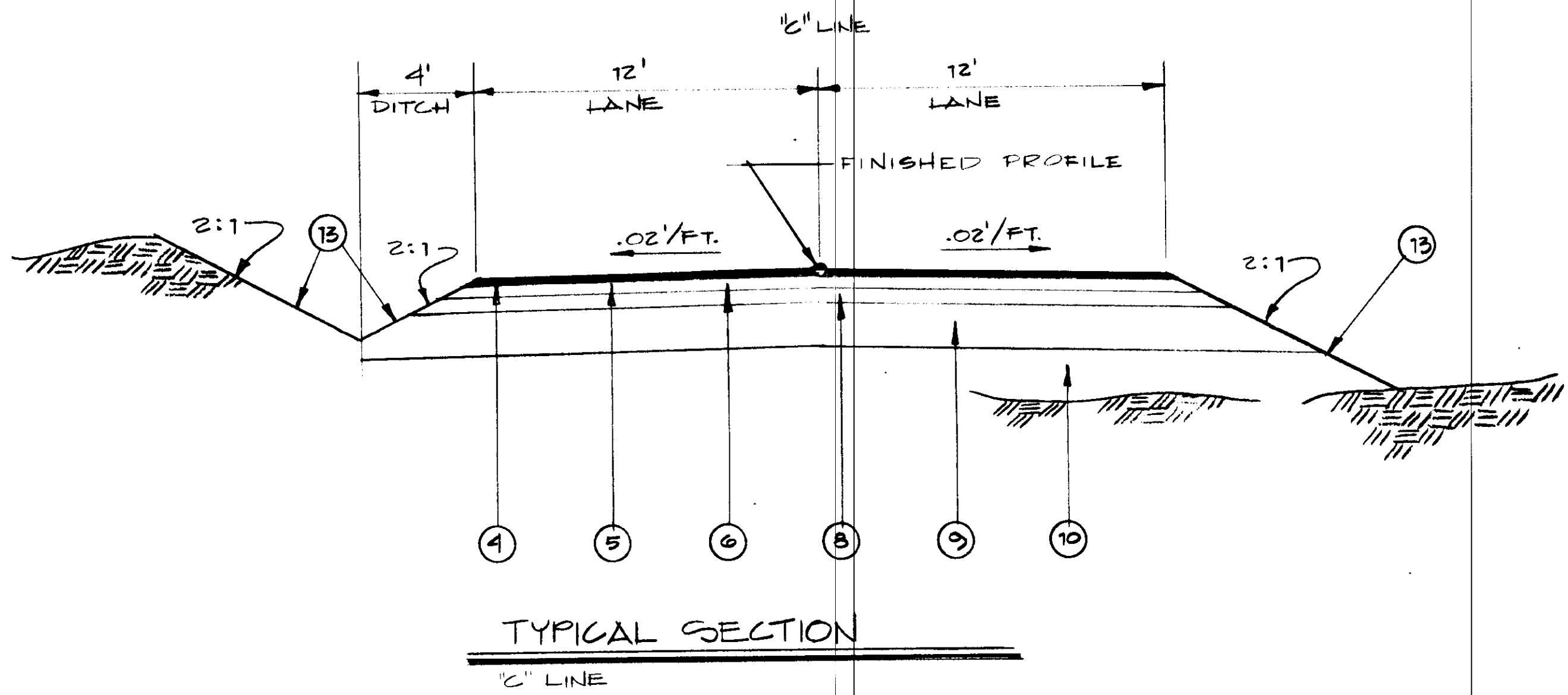
**Logans Engineers, Inc.**

2205 North Jordan Ave.  
Juneau, Alaska

789-5006

TYPICAL SECTIONS

RIVERSIDE DRIVE/EGAN DRIVE CONNECTION  
CITY AND BOROUGH OF JUNEAU  
JUNEAU, ALASKA



BEGIN SUPER TRANSITION (B.S.T.)

2% FLAT  
B

PT. OF SUPER ROTATION  
2% 2%  
A

BEGIN FULL SUPERELEVATION (E.F.S.)

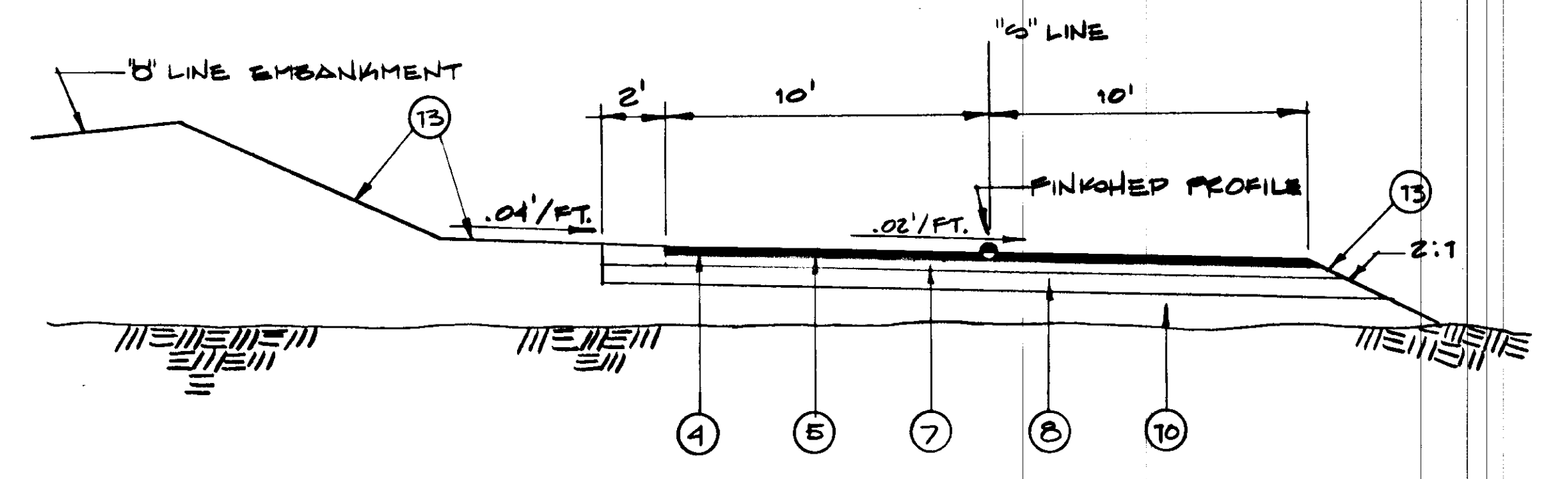
	4%	5%	2%
BGT	0'10+50	1'18+55	2'10+52
BFS	0'12+00	1'20+55	2'11+52
EFS	0'15+80	1'21+75	2'11+50
EST	1'17+80	1'23+75	2'12+50

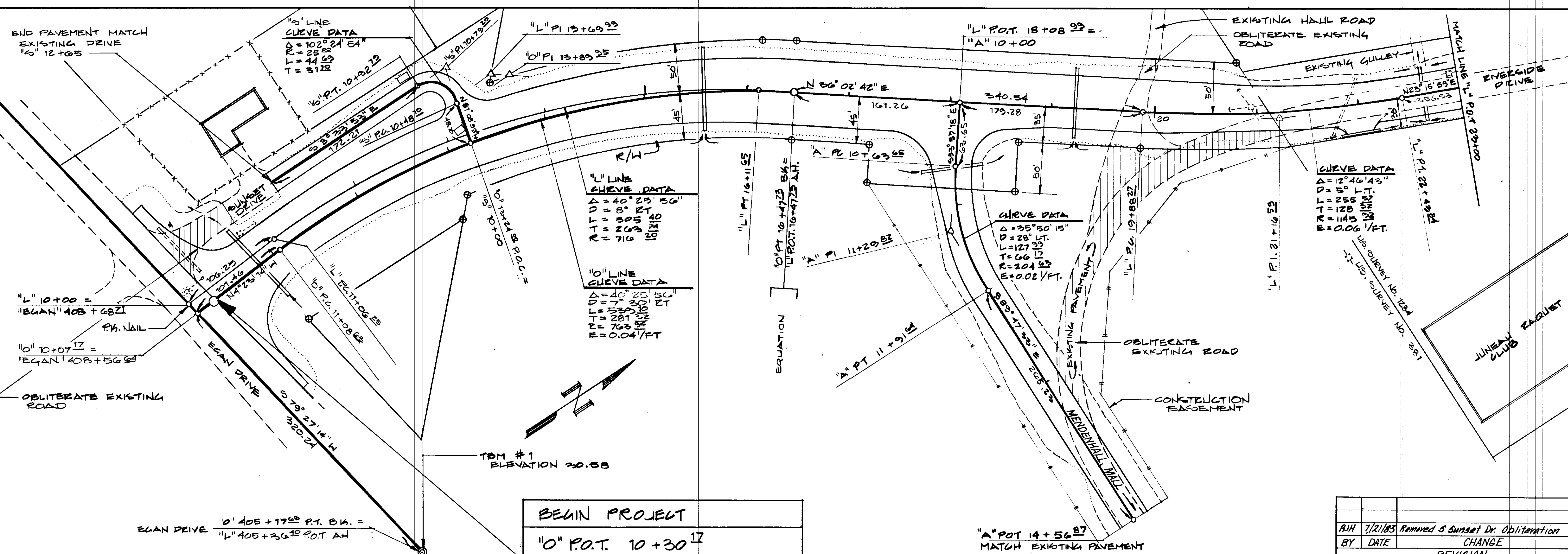
END FULL SUPERELEVATION (E.F.G.)

2% 2%  
C

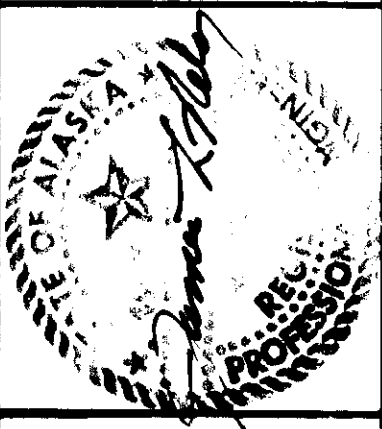
END SUPER TRANSITION (E.S.T.)

SUPERELEVATION DETAILS





R. Heitmann  
June 1983  
Job # 82133



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2205 North Jordan Ave.  
Juneau, Alaska  
789-5006

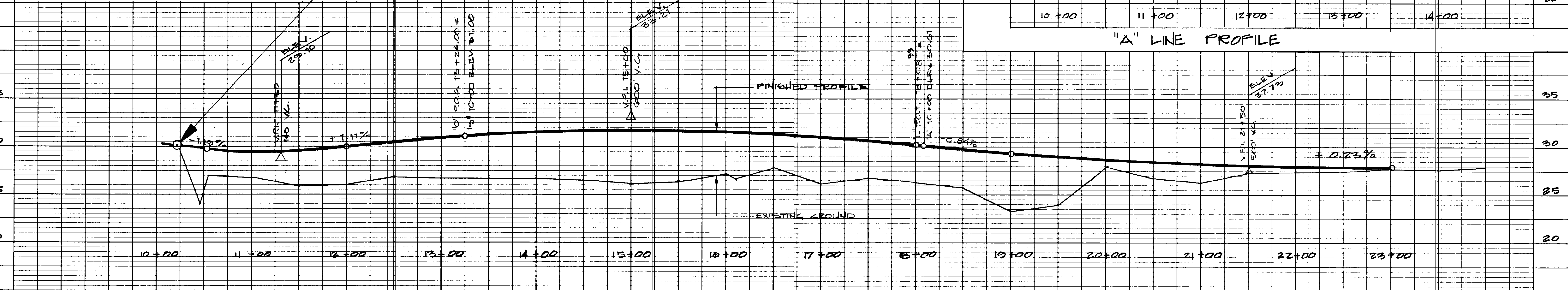
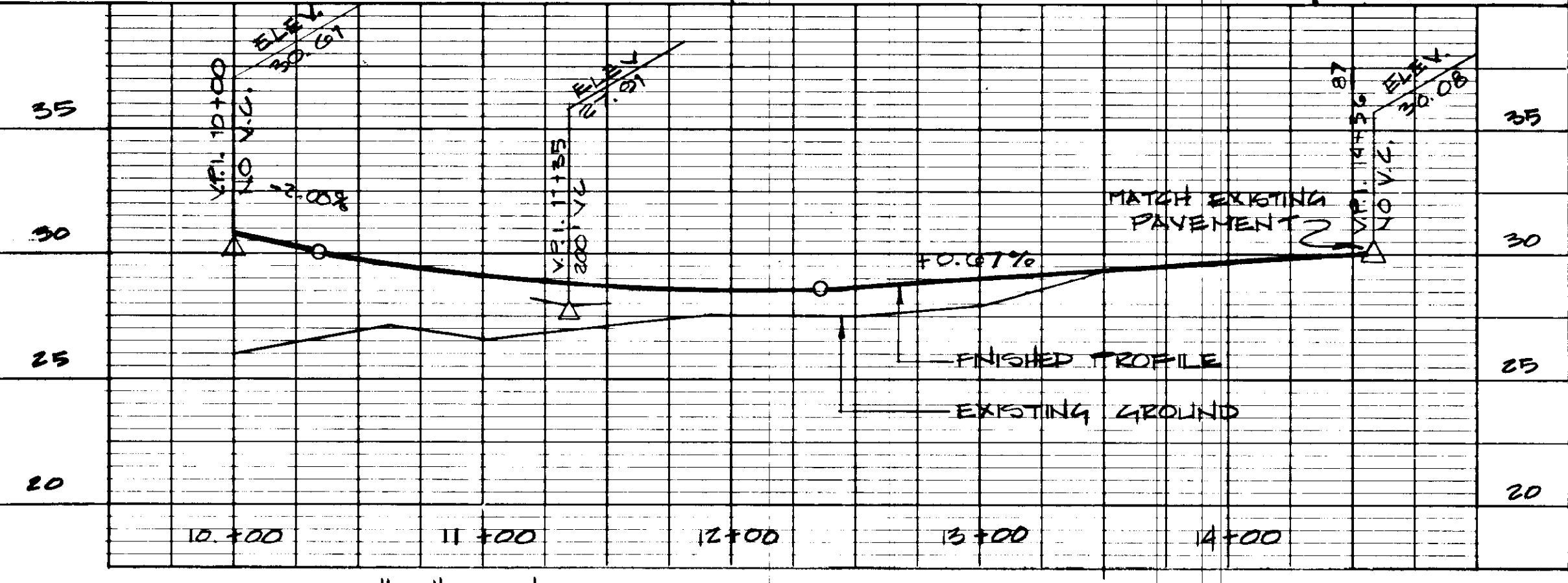
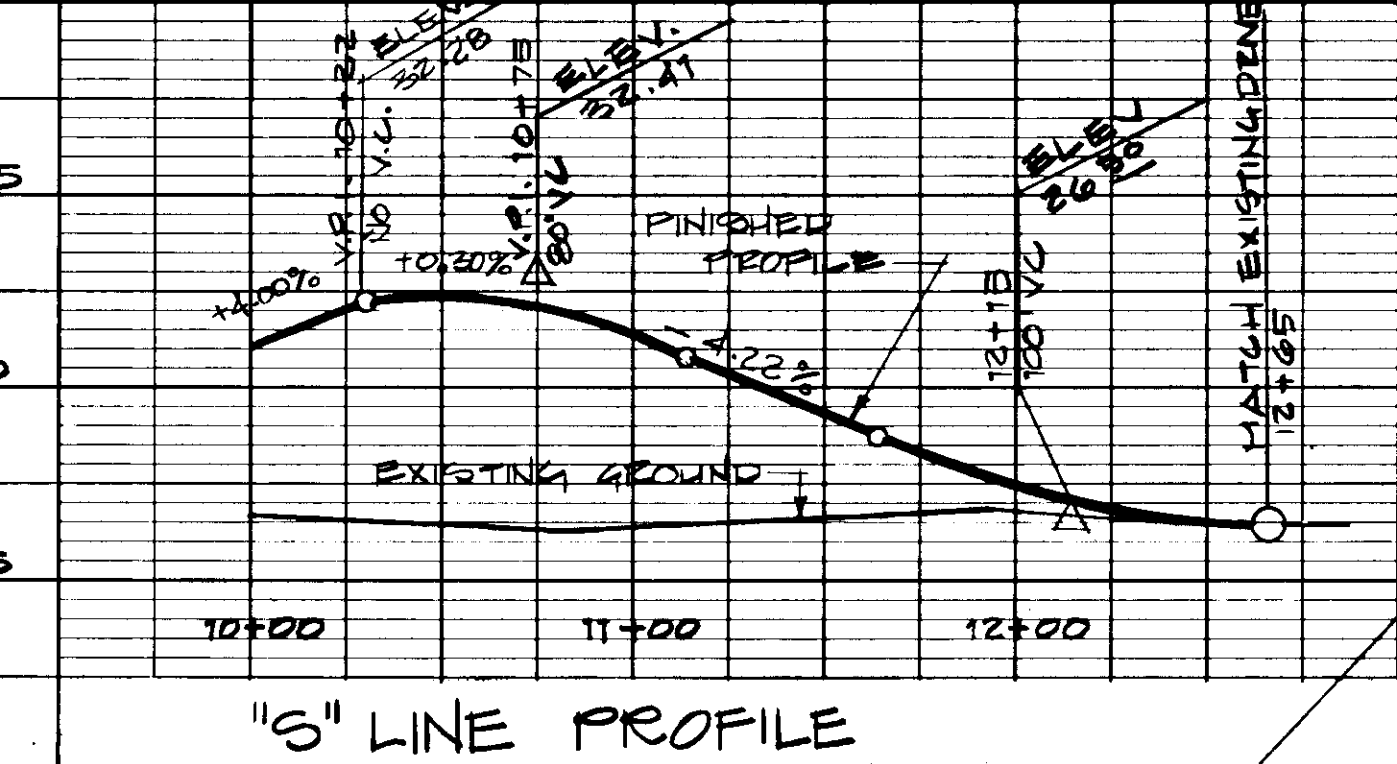
SHEET  
12 OF 18

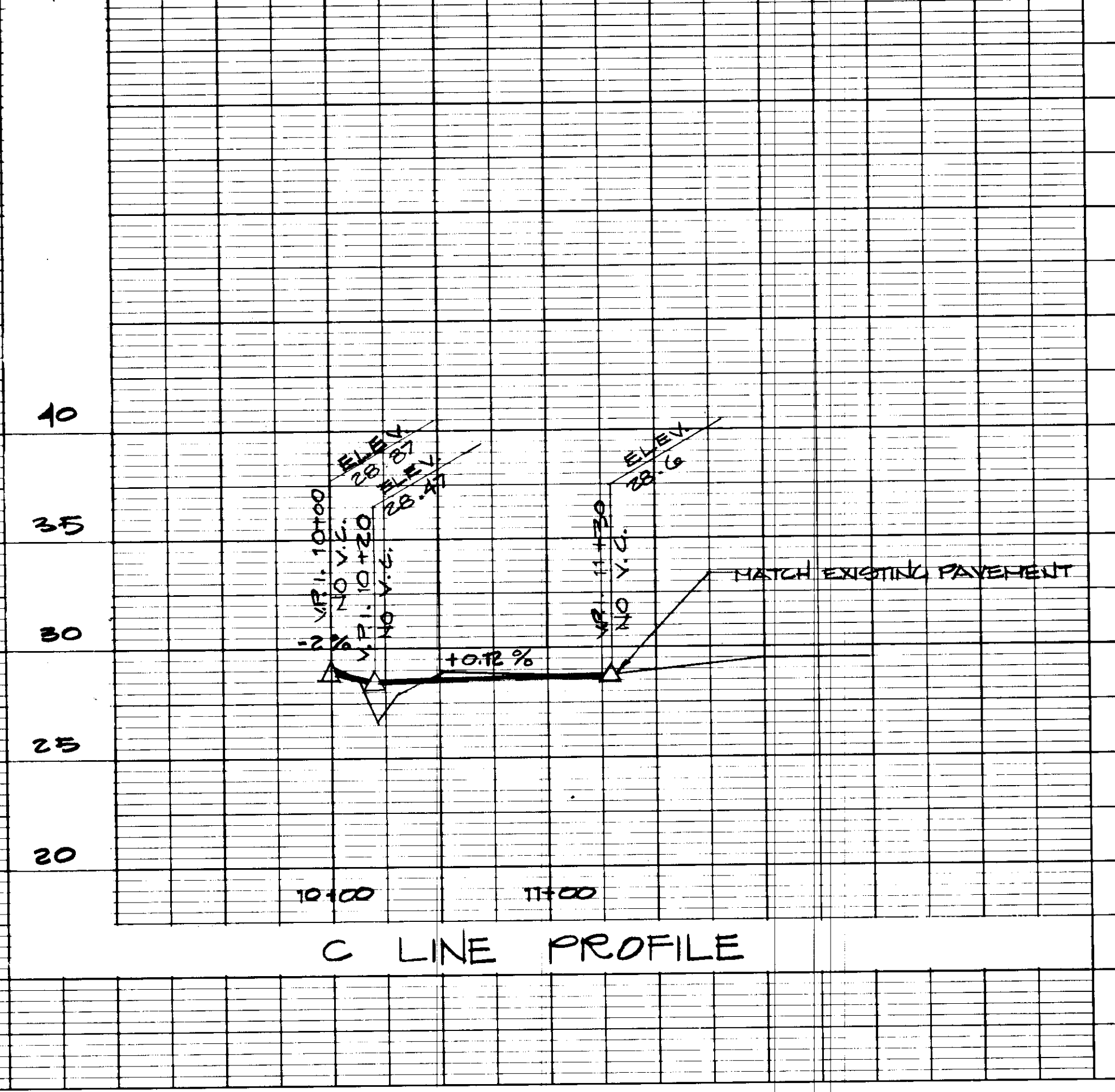
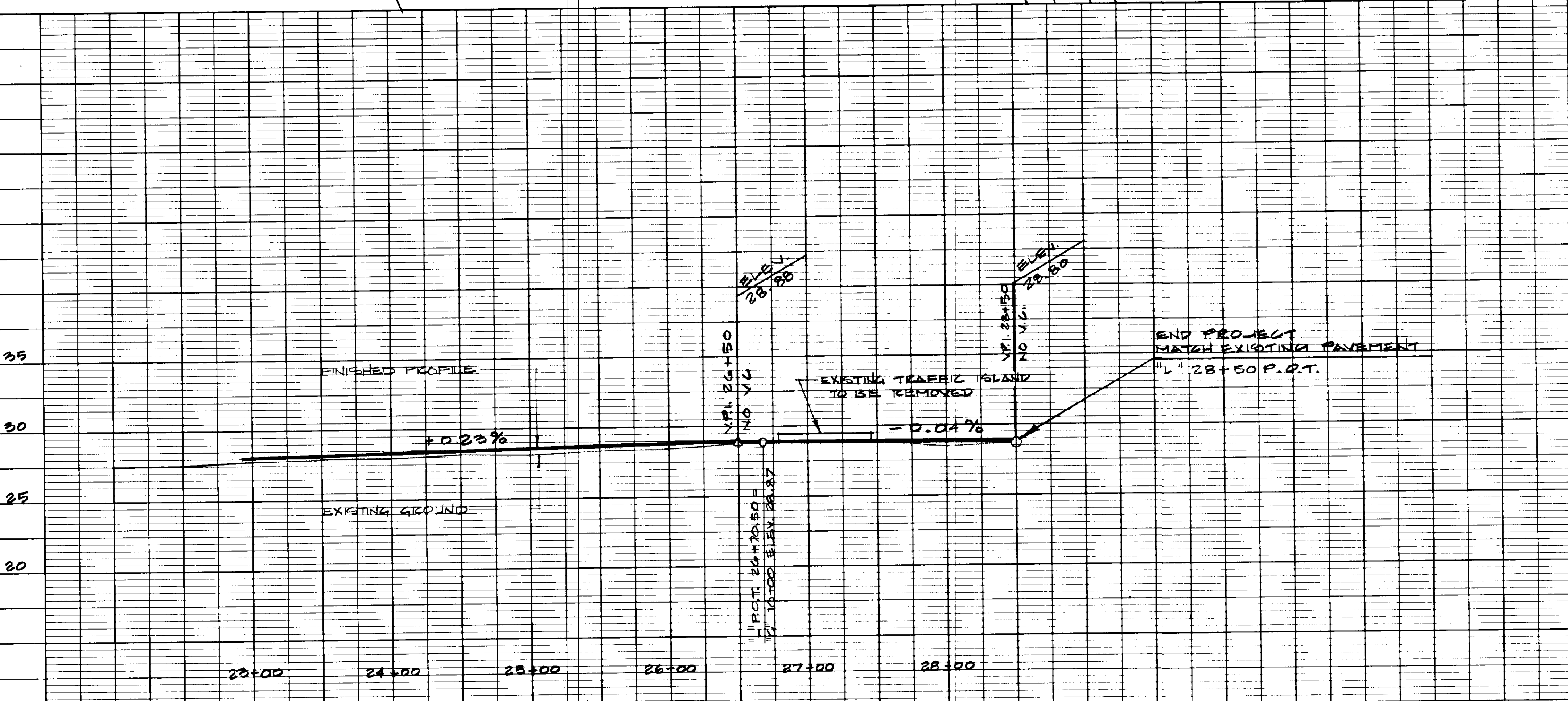
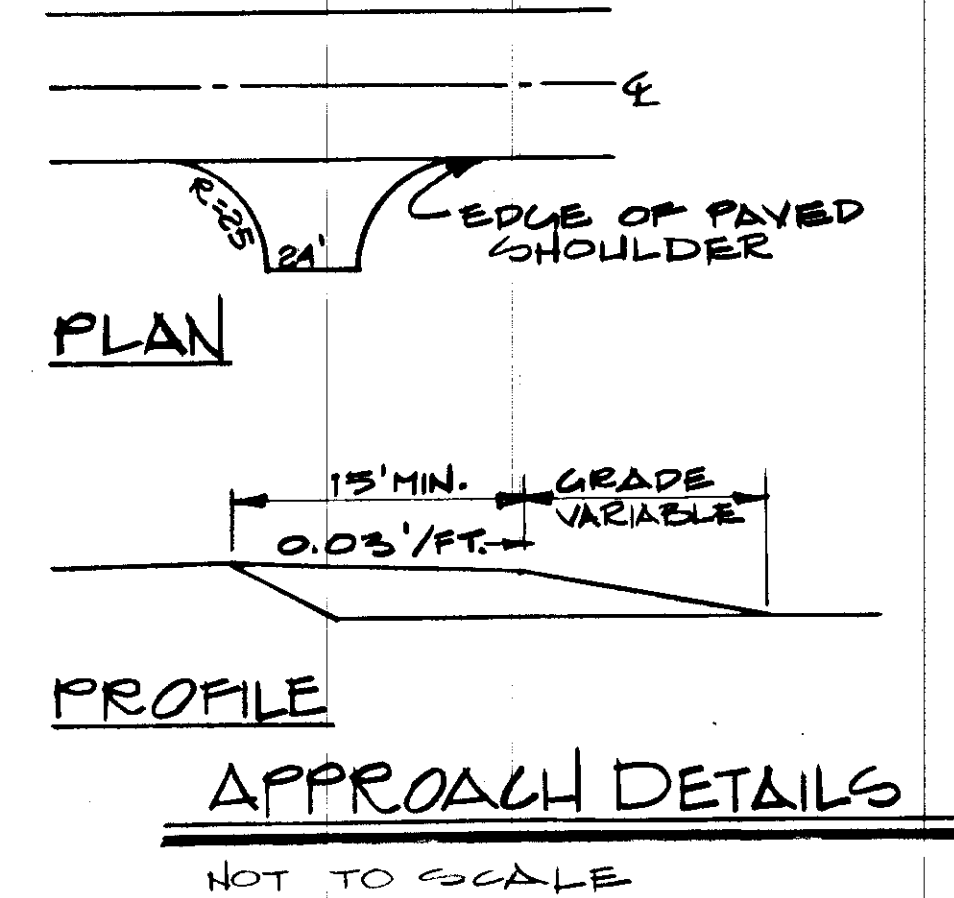
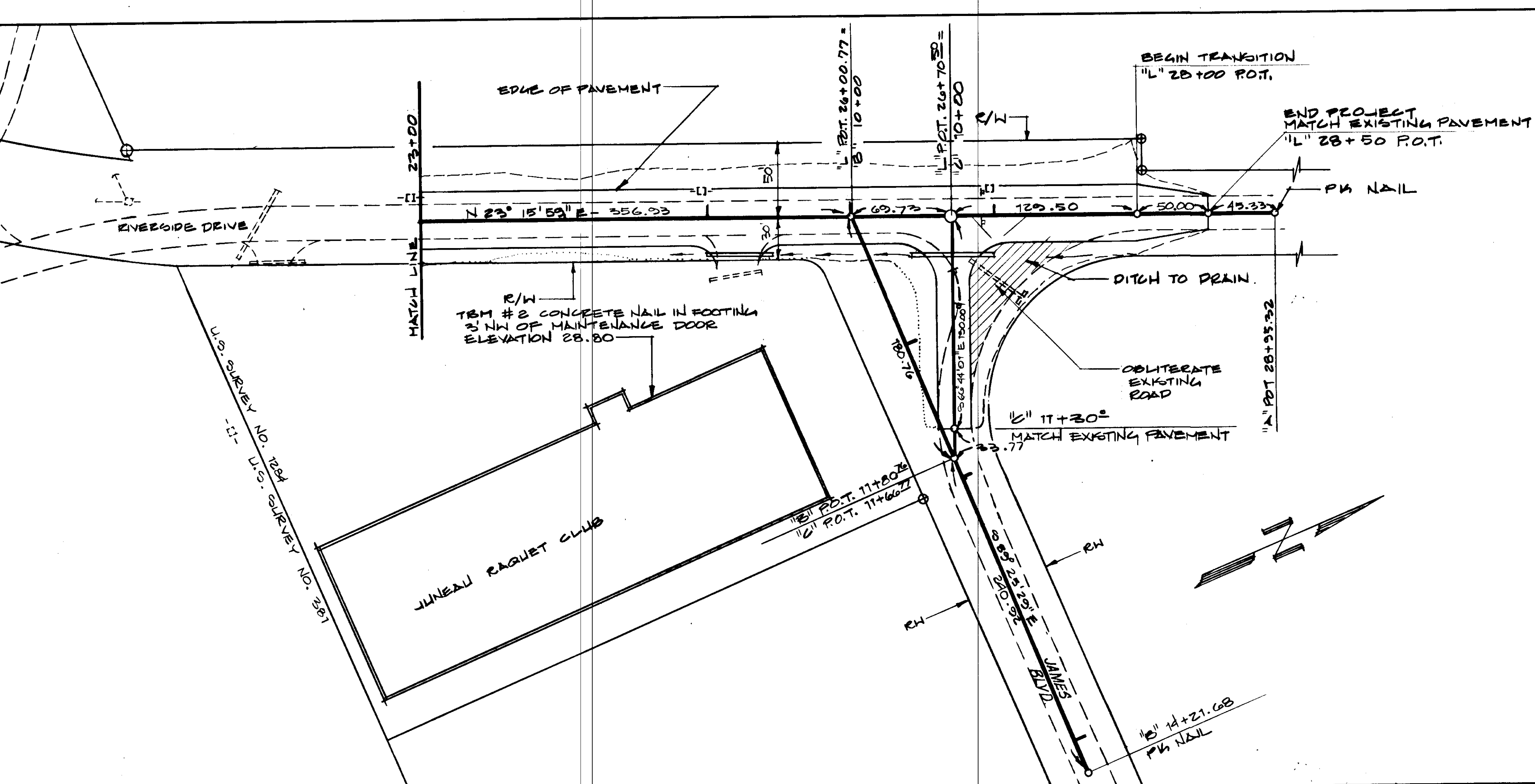
BEGIN PROJECT  
"O" P.O.T. 10+30.17  
ELEVATION 30.29 - 29.78

**HORIZONTAL CONTROL**  
HORIZONTAL CONTROL IS BASED ON THE EAST-WEST LINE BETWEEN U.S. SURVEY 1284 AND U.S. SURVEY 281 ACCEPTED AS N89°38'50" E

**VERTICAL CONTROL**  
VERTICAL CONTROL IS BASED ON CITY AND BOROUGH OF JUNEAU BENCHMARK 21 WITH AN ELEVATION OF 29.42. THE BENCHMARK IS A CONCRETE NAIL IN THE CORNER OF MANHOLE #20 300' S.E. OF INTERSECTION OF LOOP ROAD & EGAN DRIVE

BY	DATE	REVISION
RJH	7/21/83	Removed S. Sunset Dr. Obliteration
		CHANGE
		REVISION





R. Weithahn  
 June 1984  
 Job # 82-177

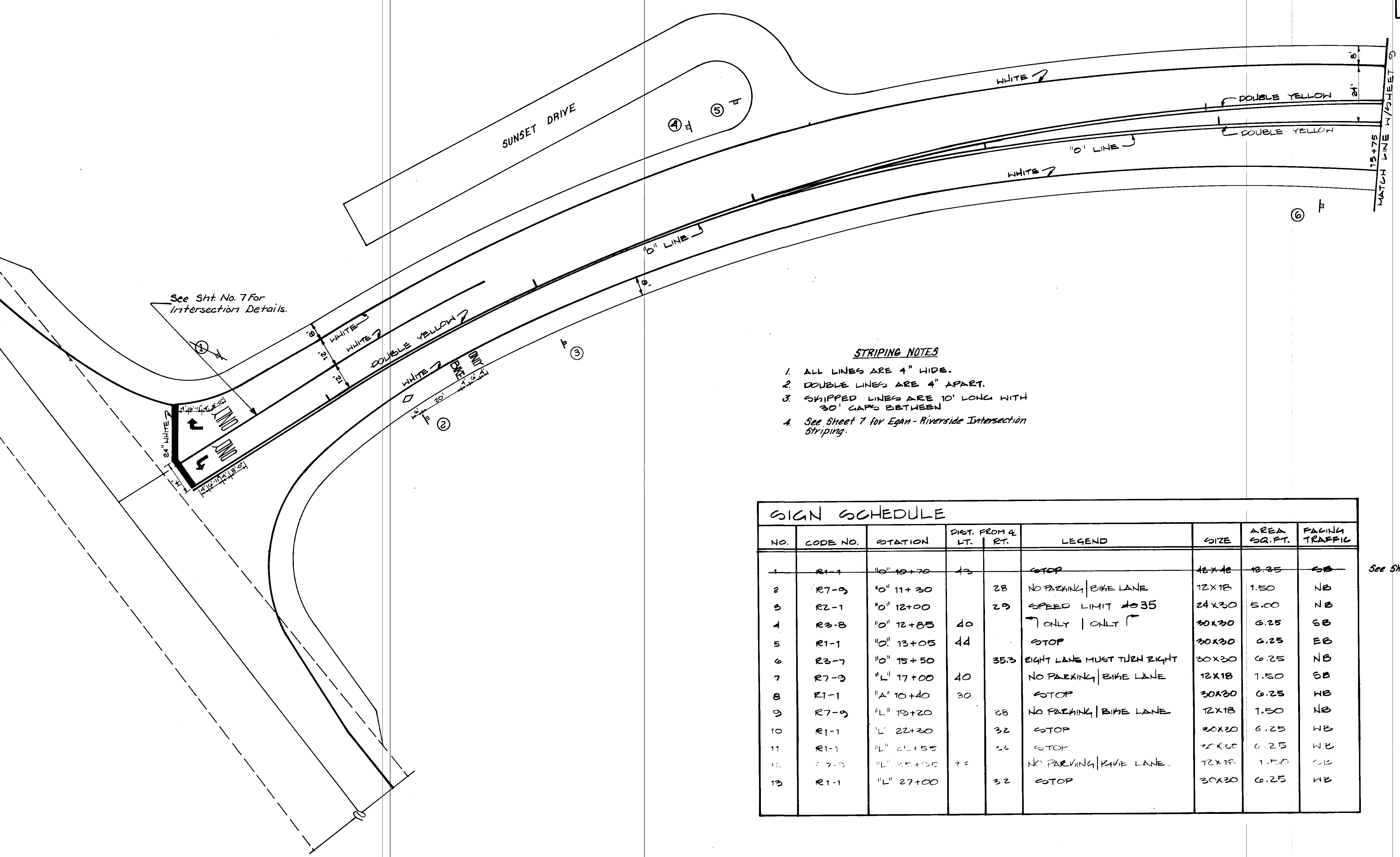
Professional Engineer  
 State of Alaska  
 License No. 1935

ongass Engineers, Inc.  
 2205 North Jordan Ave.  
 Juneau, Alaska  
 789-5006

SHEET  
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See Sht. No. 7 For Intersection Details.

**STRIPING NOTES**

1. ALL LINES ARE 4" WIDE.
2. DOUBLE LINES ARE 4" APART.
3. SKIPPED LINES ARE 10' LONG WITH 30' GAPS BETWEEN.
4. See Sheet 7 for Egan - Riverside Intersection Striping.

SIGN SCHEDULE								
NO.	CODE NO.	STATION	DIST. FROM &		LEGEND	SIZE	AREA SQ. FT.	FACING TRAFFIC
			LT.	RT.				
1	R1-1	"0" 10+70	13		STOP	18x18	18.25	EB
2	R7-9	"0" 11+30		28	NO PARKING   BIKE LANE	12x18	1.50	NB
3	R2-1	"0" 12+00		29	SPEED LIMIT 35	24x30	5.00	NB
4	R3-B	"0" 12+85	40		ONLY   ONLY	30x30	6.25	EB
5	R1-1	"0" 13+05	44		STOP	30x30	6.25	EB
6	R3-7	"0" 15+50		35.3	EIGHT LANE MUST TURN RIGHT	30x30	6.25	NB
7	R7-9	"L" 17+00	40		NO PARKING   BIKE LANE	12x18	1.50	EB
8	R1-1	"A" 10+40	30		STOP	30x30	6.25	WB
9	R7-9	"L" 19+20		28	NO PARKING   BIKE LANE	12x18	1.50	NB
10	R1-1	"L" 22+30		32	STOP	30x30	6.25	WB
11	R1-1	"L" 25+55		22	STOP	30x30	6.25	WB
12	R7-9	"L" 25+05	28		NO PARKING   BIKE LANE	12x18	1.50	NB
13	R1-1	"L" 27+00		32	STOP	30x30	6.25	WB

See Sheet 5

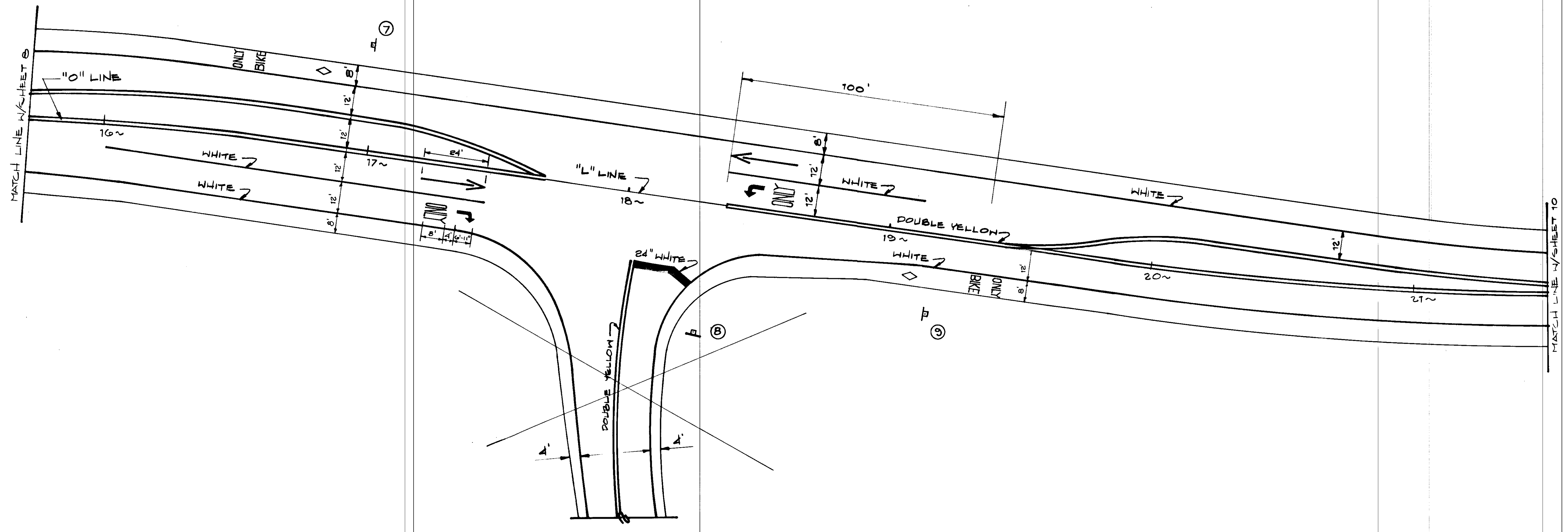
BY	DATE	CHANGE	REVISIONS
RJH	7/2/05	Added note # 4. Crossed out sign # 1 and Ref. to sht 5	

ongass engineers, inc.  
 2205 North Jordan Ave.  
 Juneau, Alaska  
 789-5006

STRIPING AND SIGNING  
 RIVERSIDE DRIVE / EGAN DRIVE CONNECTION  
 CITY AND BOROUGH OF JUNEAU  
 JUNEAU, ALASKA

R. Weithorn  
 June 1983  
 Job # 82-153  
 SHEET  
 16 OF 18

MENDENHALL MALL INTERSECTION



See Previous Sheet for  
Mall Intersection - P.R.S 8/1/84

MATCH LINE W/SHEET 8

MATCH LINE W/SHEET 10

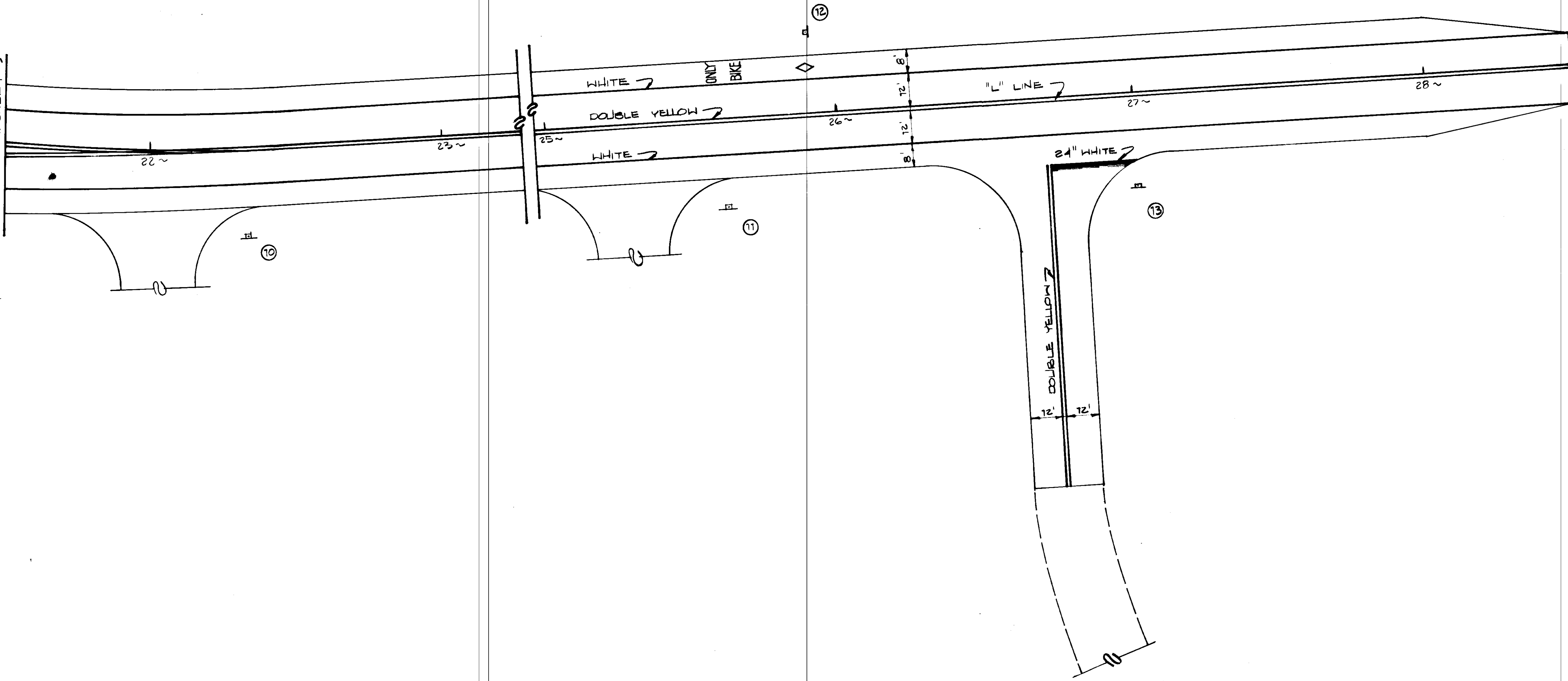
STRIPING AND SIGNING  
RIVERSIDE DRIVE / EGAN DRIVE CONNECTION  
CITY AND BOROUGH OF JUNEAU  
JUNEAU, ALASKA

2205 North Jordan Ave.  
Juneau, Alaska

**orgass engineers, inc.**  
789-5006

P. Meitshahn  
June 1987  
Job # 82-733  
SHEET 17 OF 18

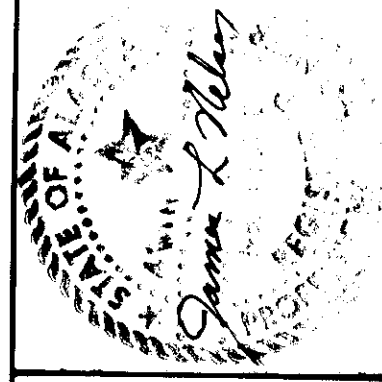
JAMES BLVD. INTERSECTION



STRIPING AND SIGNING  
RIVERSIDE DRIVE / EGAN DRIVE CONNECTION  
CITY AND BOROUGH OF JUNEAN  
JUNEAN, ALASKA

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Juneau, Alaska

**orgass engineers, inc.**  
789-5006



Paul Weinhart  
June 1983  
JOB # 82-T-32  
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