

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES

PLAN AND PROFILE PROPOSED HIGHWAY PROJECT BROTHERHOOD BRIDGE TO AUKE BAY FERRY TERMINAL PHASE II I-F-093-2 (10) & AUKE BAY FERRY TERMINAL TO INDIAN POINT SR-RS-0961(12) GRADING, PAVING & DRAINAGE

STATE	PROJECT	SHEET NO.	TOTAL SHEETS
ALASKA	I-F-093-2 (10) SR-RS-0961(12)	11	22

TITLE SHEET 27

INDEX OF SHEETS	
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5	GUARDRAIL, APPROACH AND MAILBOX SUMMARIES
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PROJECT SUMMARY I-F-093-2(10)
 WIDTH OF PAVEMENT = 40'
 LENGTH OF PROJECT = 4,490.37'
 = 0.8504 mi.

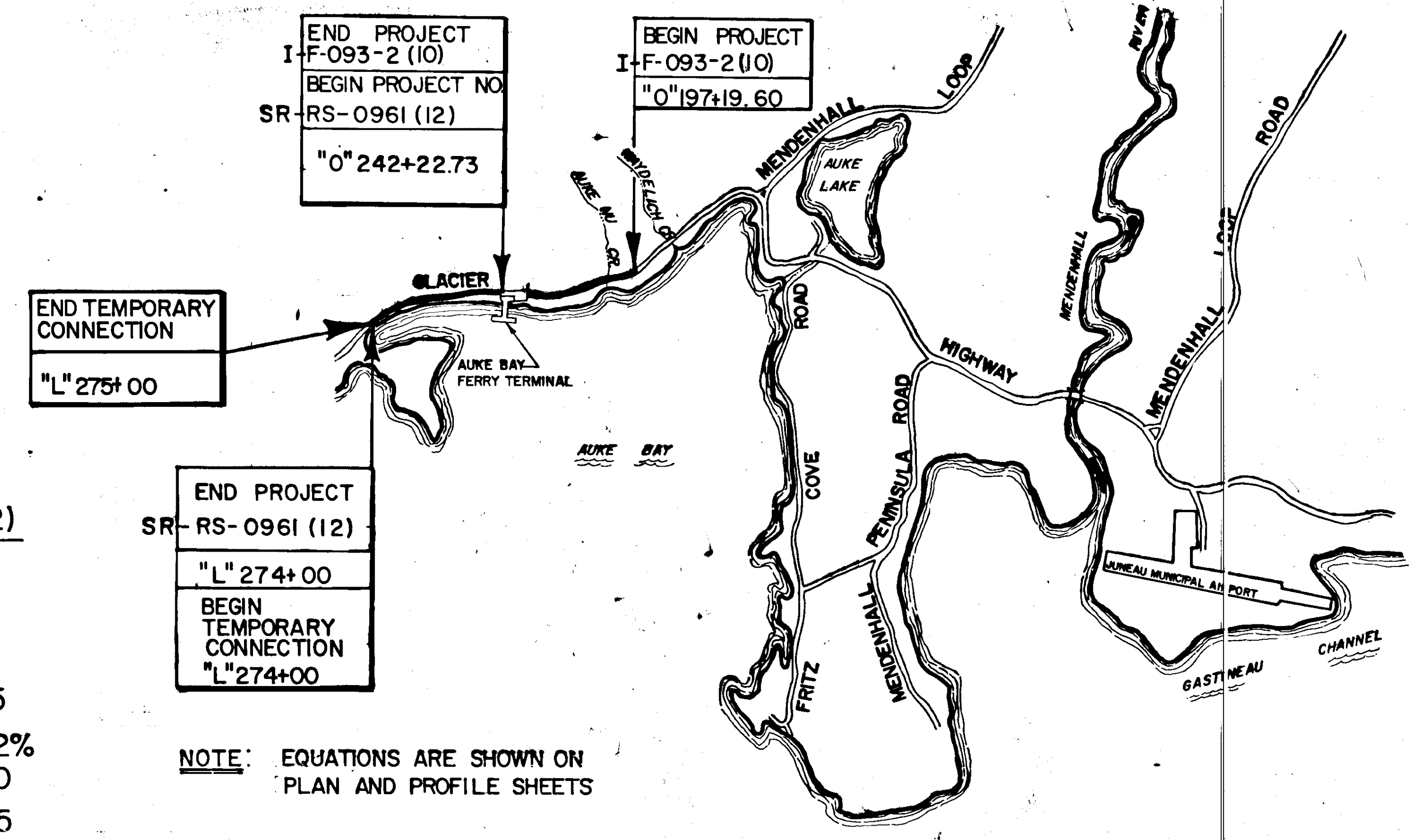
PROJECT SUMMARY SR-RS-0961(12)
 WIDTH OF PAVEMENT = 40'
 LENGTH OF PROJECT = 3,139.94'
 = 0.5947 mi.
 LENGTH OF TEMPORARY CONNECTION = 100'

DESIGN DESIGNATION FOR I-F-093-2 (10)

ADT (1979)	=	2,204
ADT (2000)	=	5,729
DHV (12%)	=	687
D	=	60-40
T	=	5%
V	=	50
T.I.	=	80

DESIGN DESIGNATION FOR SR-RS-0961(12)

ADT (1979)	=	1,095
ADT (2000)	=	2,683
DHV (13%)	=	349
D	=	55-45
T	=	2%
V	=	50
T.I.	=	6.5



NOTE: EQUATIONS ARE SHOWN ON PLAN AND PROFILE SHEETS

THE FOLLOWING STANDARD DRAWINGS APPLY TO THESE PROJECTS:
 A-1, C-00.04, C-10.04, C-11.04, D-01.00, D-04.00, D-05.00, D-23.02, D-24.13, D-26.03, E-00.01, G-04.15, G-04.34, G-13.16, G-14.08, G-15.00, G-18.12, G-45.00, I-40.21, I-80.00, M-05.01, M-16.03, M-20.02, M-23.02, S-00.11, S-05.00, S-20.10, S-30.12, T-20.03, T-21.03

"AS BUILT PLANS"
 BERG CONSTRUCTION
 P.E. GARY HOGINS
 BEGIN CONSTRUCTION: SEPT. 1981
 END CONSTRUCTION: ?
 PROJECT LENGTH: 1.45 Miles



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 &
 PUBLIC FACILITIES
 APPROVED
 Wallace K. Williams Date 6/13/81
 SOUTHEASTERN REGION
 DESIGN/CONSTRUCTION ENGINEER

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 &
 PUBLIC FACILITIES
 APPROVED
 Charles J. Hatten Date 6-16-81
 DIRECTOR-HIGHWAY DESIGN & CONSTRUCTION

TYPICAL SECTIONS OF IMPROVEMENT

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	F-093-2 (10) & RS-0961 (12)	1980	2	22

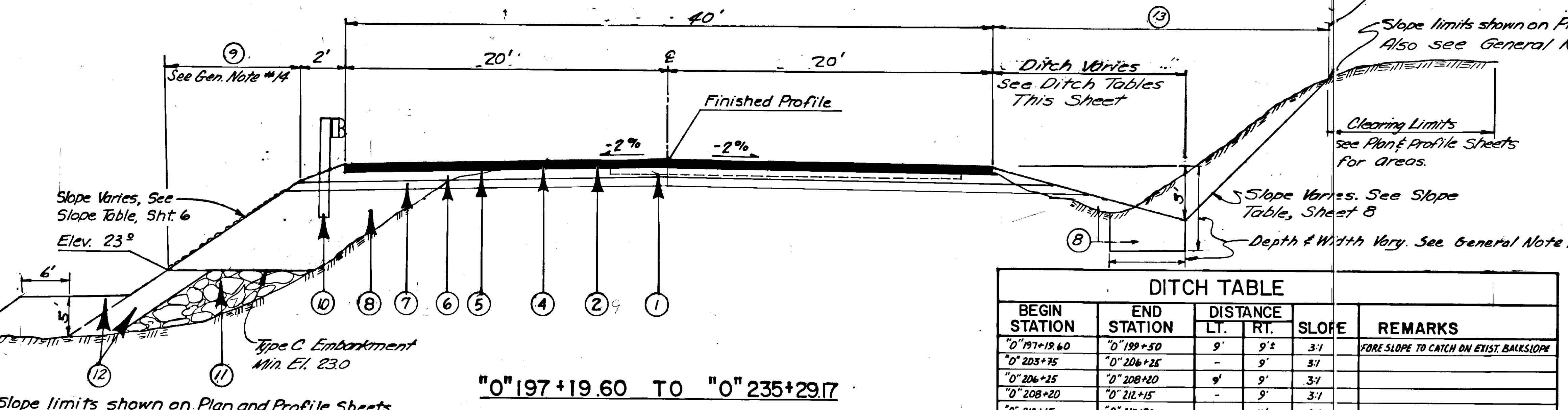
TYPICAL SECTION OF IMPROVEMENT

GENERAL NOTES

- Grade & alignment shown on these plans are subject to minor revisions.
- Culvert lengths and locations shown on these plans are subject to minor revisions.
- The location of all utilities shown on these plans are approximate only and should be field verified by the Contractor.
- The installation, adjustment or removal of Utility Poles and appurtenances shall be performed by others and are not considered items of work under this Contract.
- Both the existing and proposed utility pole locations are shown and are considered informational only.
- For removal of structures and obstructions, see summary on sheet 4.
- The rate & transition length for superelevations are listed on the Plan & Profile sheets.
- Between April 25 & June 30, the Contractor shall not place embankment material below elevation + 23.00.
- The existing asphalt shall be broken to 12" (inch) minus material and utilized in the "Type B embankment". Payment for removal and fracturing shall be considered incidental to Item 203.
- The insitu material between the toe of existing and toe of proposed foreslopes shall be excavated to the depths shown below, and the material will be wasted as directed.

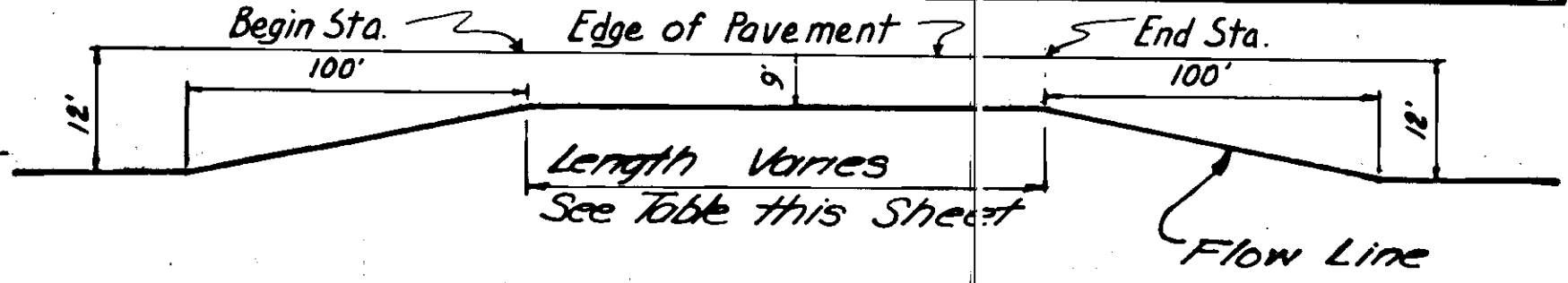
Station to Station	Left or Right	Depth
198- to 199+50	Left	42"
242+50 to 247+50	Right	38"
268+50 to 274-	Right	38"
- Straight clean pavement cuts shall be made at the following locations for butt joints between existing and proposed pavement:

"0"197+19.60, "0"235+29.17, "0"242+22.73, & "0"275+00.00
- Between "0"204+00 and "0"216+64 Rt., all excavation requiring blasting shall have presheared backslope.
- All bedding and backfill material required that is not obtained from structure excavation shall be obtained from useable unclassified excavation.
- Jute Mesh Staples shall meet requirements of Sec. 727.



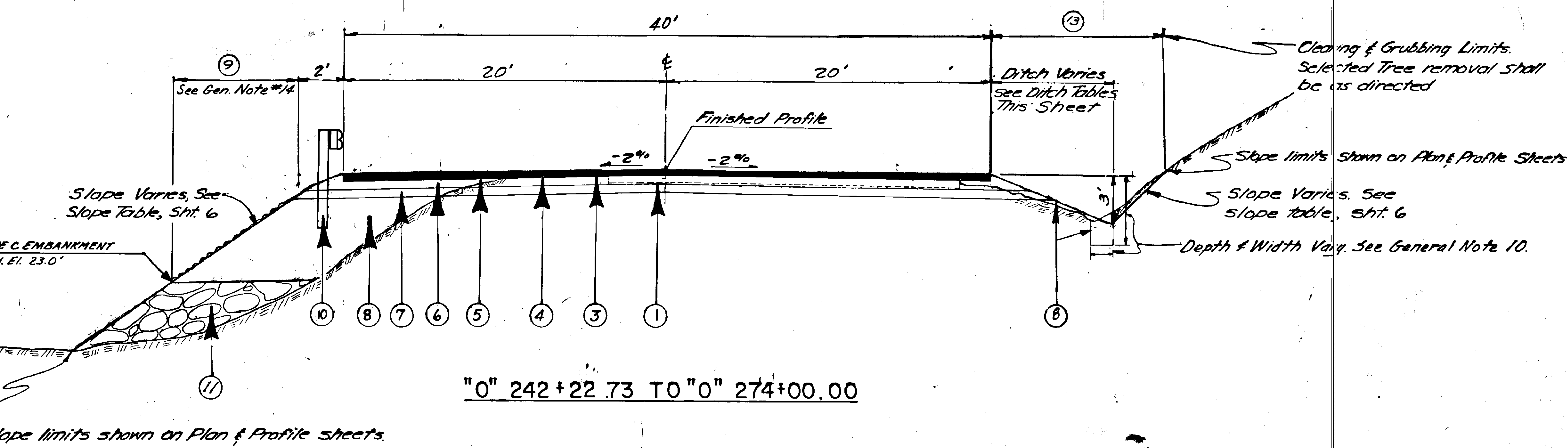
"0"197+19.60 TO "0"235+29.17
 "0"235+29.17 TO "0"242+22.73 WILL REQUIRE RESTRIPING & SIGNING ONLY. SEE SHT.19 FOR DETAILS.

BEGIN STATION	END STATION	DISTANCE		SLOPE	REMARKS
		LT.	RT.		
"0"197+19.60	"0"199+50	9'	9'	3:1	FORE SLOPE TO CATCH ON EXIST. BACKSLOPE
"0"203+75	"0"206+25	-	9'	3:1	
"0"206+25	"0"208+20	9'	9'	3:1	
"0"208+20	"0"212+15	-	9'	3:1	
"0"212+15	"0"213+90	-	12'	4:1	
"0"213+90	"0"216+65	-	9'	3:1	
"0"216+65	"0"224+65	Varies		3:1	Foreslope to catch on existing backslope.
"0"224+65	"0"231+75	-	9'	3:1	
"0"231+75	"0"233+75	-	9'	3:1	Foreslope to catch on existing backslope.
"0"233+75	"0"235+29.17	-	9'	3:1	
"L"242+50	"L"244+50	-	6'	3:1	Foreslope to catch on existing backslope.
"0"244+50	"0"247+50	-	6'	3:1	
"0"247+50	"0"248+00	-	6'	3:1	Foreslope to catch on existing backslope.
"0"248+00	"0"249+50	-	6'	3:1	See transition detail below
"0"249+50	"0"262+90	-	12'	4:1	Daylight foreslope to existing ditch
"0"262+90	"0"263+40	-	12'	4:1	
"0"263+40	"0"266+40	-	12'	4:1	Daylight foreslope to existing ditch
"0"266+40	"L"273+50	-	12'	4:1	
"L"273+50	"L"274+00	-	9'	3:1	See transition detail below



1	Exist. Pavement, Depth varies - See General Note #9
2	3 1/2" Asphalt Concrete, Type I
3	2 1/2" Asphalt Concrete, Type I
4	CSS-1 Asphalt for Lock Coated placed between compacted layers if directed.
5	MC-30 Liquid Asphalt for Prime Coat
6	6" Crushed Aggregate Base Course
7	6" Subbase, Grading "A"
8	Unclassified Excavation
9	Soil Stabilization, Matting & Seeding, See T.C. Note #9
10	Beam Type Guardrail, Type I Posts
11	Embankment, Type C (See Gen. Note 8 & sec. 703.03 of SPMS)
12	Riprap, Class II, A
13	Seeding

ITEM NO.	ESTIMATING FACTOR
301(1)	136 Tons per cubic yard
304(1)	198 Tons per cubic yard
401(1)	1 1/2 lbs. per sq. yd. per inch depth
401(2)	6% of Item 401(1)
402(2)	0.10 gal./sq. yd. - 240 gal./ton @ 60° F. bit. ma
403(2)	0.25 Gal. per sq. yd. - 253 Gal. per ton @ 60 Degrees F.



"0"242+22.73 TO "0"274+00.00

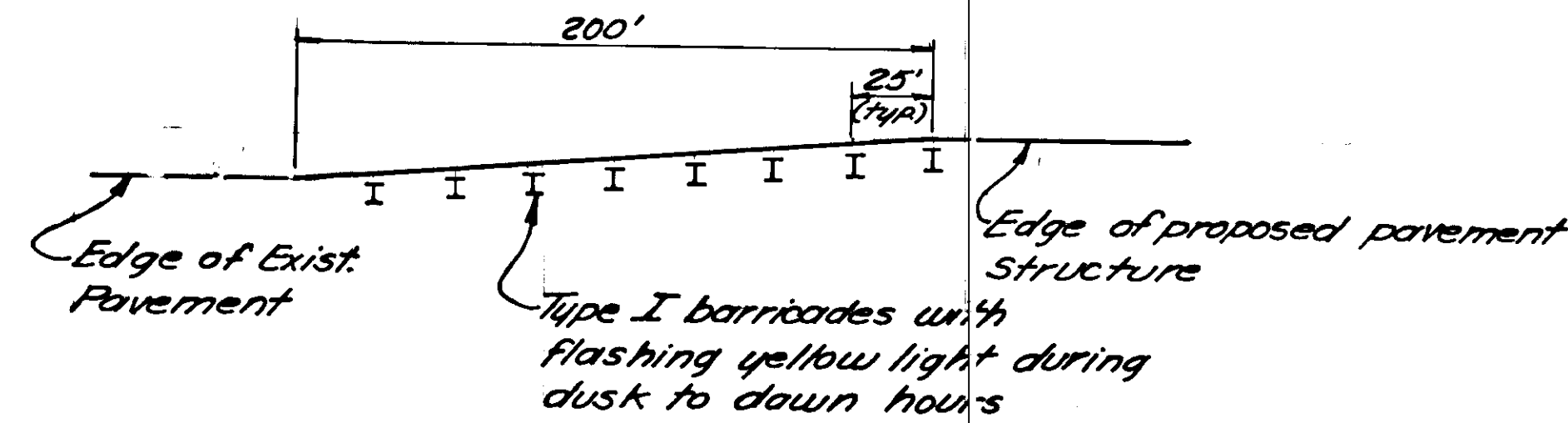
TRAFFIC CONTROL PLAN

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	F-093-2(10) & RS-096(12)	1981	3	22

TRAFFIC CONTROL PLAN

1. A designated employee of the contractor shall have the sole duty and responsibility of installing and maintaining the required traffic control elements for this project.
2. Project identification signing shall be as shown on Standard Drawing C-11.04.
3. All one-lane closures shall be as shown in Standard Drawing C-11.04, without a pilot car. All detours required on the project shall be constructed and maintained to the following minimum widths at all times:
 - One-Way Traffic ~ 12'
 - Two-Way Traffic ~ 20'
 The contractor may maintain one-way traffic with a flagging operation during his normal working hours, however, during non-working hours the roadway shall be re-opened to two-way traffic.
4. Any one-lane closures during dusk to dawn hours will require temporary illumination. The minimum level of illumination shall be 2.0 foot candles on the roadway surface.
5. Shoulder drop-offs greater than 1.5" inches shall not be allowed during non-working hours.
6. All flagging required shall be paid for under Item 113(1) Flagging.
7. Each construction activity listed below shall be completed prior to beginning any work on the proposed pavement structure.
 - A. Complete all clearing & grubbing and clearing work required. See Sheets 2 and 8 for limits of work.
 - B. Complete all work required on the existing Auke Nu Creek Culvert. See Sheets 14 thru 16.
 - C. Complete all unclassified excavation required between "0" 204+00 and "0" 216+88. 24 Rt. See Sections 107, 108 and 203 of the Special Provisions and T.C.P. Notes 13 thru 17 for more details.
8. Removal and reinstallation of culverts shall not begin prior to completing placement of Type C embankment. Should the contractor elect to begin removal and replacement of culverts prior to beginning reconstruction of the existing roadway, as stated in Note No. 9, he shall patch all existing pavement destroyed with 1 1/2 inches of Asphalt Concrete. Installation of culvert patches shall be complete prior to any succeeding weekend, Federal or State holiday, or the Golden North Salmon Derby.
9. Placement of Embankment, Subbase, Base Course, and Jute Mesh between "0" 242+22 and "L" 275+00 shall be completed prior to beginning reconstruction of the existing roadbed between "0" 197+19 and "0" 235+29.
10. Construction signing for the following work areas shall be installed prior to beginning any reconstruction of the existing roadway:
 - "0" 242+22 to "L" 275+00
 - "0" 197+19 to "0" 235+29
 See Standard Drawing C-10.04, Reconstruction of Entire Paved Roadway, for details.

11. After widening the existing roadbed to 40 feet, the left hand shoulder shall be delineated with Type I barricades until installation of the proposed guardrail is complete. Barricades shall be spaced at 200 foot intervals and equipped with flashing yellow lights during dusk to dawn hours.
12. During non-working hours all transitions between proposed and existing pavement structures shall be delineated as detailed below.



13. All roadway closures for blasting and re-opening the roadway shall be limited to four (4) hours total, two hours of total closure will be allowed and two (2) hours of one-way traffic with a flagging operation.
14. No roadway closures shall be scheduled during the following periods:
 - 6:00 a.m. to 8:30 a.m.; 4:00 p.m. to 6:30 p.m.,
 - to delay school bus schedules, on Federal or State holiday weekends, or during the Golden North Salmon Derby.
15. Five (5) days prior to any roadway closures, the contractor shall notify the Engineer, Department of Public Safety, and the Coordinating Fire Chief for the City and Borough of Juneau.
16. The contractor shall also broadcast the times of any closures on all local radio stations. All notices of closure shall be broadcast for five (5) days prior to the closure, a minimum of five (5) times per day, and between the hours of 8:00 a.m. and 10:00 p.m.
17. The contractor shall construct the underdrain and drainage structures detailed on Sheet 11 prior to beginning reconstruction of the existing roadway as stated in Note No. 9.

TRAFFIC CONTROL PLAN SIGNING SCHEDULE †				
QUANT.	SQ. FT.	TYPE	SIZE	LEGEND
2	30	CI-1	36 x 60	Road Construction next 1.5mi.
4	40	CI-2	24 x 60	End Construction
2	32	CW20-1E	48 x 48	Road Construction 1500 ft.
2	18	CW-8-3	36 x 36	Pavement Ends
2	8	CW13-1	24 x 24	* * M.P.H.
2	18	CW21-9	36 x 36	Rough Road
26	—	Type 1	—	Barricades
2	32	CW22-1	48 x 48	Blasting Zone 1000 ft.
2	12.25	CW22-2	42 x 42	Turn off 2-Way Radio
2	12.25	CW22-3	42 x 42	End Blasting Zone

- NOTES**
1. * * Indicates Advisory Speed to be determined at site.
 2. † This schedule is to be used for cost estimating only. Other signs may be required by the engineer or used at the contractor's option.

ESTIMATE OF QUANTITIES

ITEM NO.	ITEM	PAY UNIT	SHEET NUMBERS						TOTAL FOR F-093-2(10)	TOTAL FOR RS-096(12)
			7	8	9	10	11	12		
109(1)	PETROLEUM ESCALATION	Cont. Sum.							All Req'd	
110(1)	MOBILIZATION	L.S.							All Req'd	
111(1)	TEMP. EROSION & POLLUTION CONTROL	Cont. Sum.							All Req'd	
112(1)	TRAIN. PROG. IN ACCORD WITH W.A. ORDER, INTERIM F22	Sum.							All Req'd	
113(1)	FLAGGING	M.H.							All Req'd	
114(1)	CONST. SURVEYING BY THE CONTRACTOR	L.S.							All Req'd	
115(1)	TRAFFIC MAINTENANCE	L.S.							All Req'd	
115(2)	CONSTRUCTION SIGNS	L.S.	Est. Quant - Both Proj. = 485 S.F.							All Req'd
115(7)	TEMPORARY LIGHTING	L.S.							All Req'd	
116(1)	FURN. & MAINT. FIELD OFFICE	L.S.							All Req'd	
116(2)	FURN. & MAINT. FIELD LAB.	L.S.							All Req'd	
201(1B)	CLEARING	L.S.	Est. Quant. = 21.2 M.S.F.							All Req'd
201(2B)	CLEARING & GRUBBING	L.S.	Est. Quant. = 30.3 M.S.F.							All Req'd
201(5)	Selective Tree Removal	ea.	Est. Quant. = 25 Trees							25
202(1)	REMOVAL OF STRUCTURES & OBSTRUCTIONS	L.S.							All Req'd	
202(4)	REMOVAL OF CULVERT PIPE	L.F.	40	193	200	130	193	285	458	983
202(9)	SINGLE MAILBOX INSTALLATION	ea.				X	2	3		5
202(10)	MULTIPLE MAILBOX INSTALLATION	L.F.						2.15		7.1
203(3A)	UNCLASSIFIED EXCAVATION	L.S.	Est. Quant.: Rock Exc. = 16,615 C.Y. Comm. Exc. = 13,391 C.Y.							All Req'd
203(8)	ROCK DOWELS	ea.	2516							2516
203(7)	ROCK BOLTS 12 FT. LENGTH	ea.	76							76
301(1)	CRUSHED AGGREGATE BASE COURSE	TON	1,077	2,401	2,236	1,004	2,636	2,400	6,223	25,631
304(1)	SUBBASE, GRADING "A"	TON	1,124	2,535	2,384	1,075	2,697	2,609	10,717	14,835
401(1)	ASPHALT CONCRETE, TYPE I	TON	590	1,323	1,239	466	1,041	890	3,379	12,170
401(2)	ASPHALT CEMENT	TON	36	80	75	28	63	54	205	128
402(2)	CSS-1 ASPHALT FOR TACK COAT	L.S.	Est. Quant. Both Proj. = 11 Tons							All Req'd
403(2)	MC-30 LIQUID ASPHALT FOR PRIME COAT	TON	3	6	6	3	7	6	26	25
506(1)	TREATED TIMBER	L.S.	Est. Quant. = 14.8 M.B.M.							All Req'd
603(8a)	33 1/2" x 24" INCH ELBOW	ea.				X				
603(8)	8 INCH PIPE	L.F.						44.43		44.43
603(16)	18 INCH PIPE	L.F.	40	36.91		70.6	80.76	106	76	152
603(24)	24 INCH PIPE	L.F.	0	2.74	3.74	17.2	80.0	31.6	65.2	1,222
603(48)	48 INCH PIPE	L.F.						76.80		76.80
603(28)	END SECTION FOR 48 INCH PIPE	ea.						2		2
604(5)	INLETS, TYPE A	ea.						2		2
605(3)	8 INCH PERFORATED PIPE UNDER DRAIN	L.F.						82.80		82.80
606(1)	BEAM TYPE GUARDRAIL, TYPE I POST	L.F.	628.5	1,306.3	1,396.8	566	1,531.9	982.7	3,327.5	2,825
606(4)	REMOVAL & RECONSTRUCT. OF GUARDRAIL	L.F.	125					125		125
606(5)	REMOVAL & DISPOSAL OF GUARDRAIL	L.F.	43.71	469				908		908
606(6)	END ANCHORAGES	ea.	2	2		2	4	1	4	7.8
611(3)	RIPRAP, CLASS II A	L.S.	Est. Quant. = 6,595 C.Y.							All Req'd
614(1)	SURVEY MONUMENTS	ea.	1	5	6	2	3	2	12	7
614(2)	MONUMENT CASES	ea.	1	5	6	2	3	2	12	7
615(1)	STANDARD SIGNS	S.F.		16.5	16.5	59.0	3	17.9	39	75.3
618(1)	SEEDING	1,000 S.F.	28.5	37.5	46	13	47	32	116	88
618(4)	WATER FOR MAINTENANCE	M. Gal.	1.5	2.0	2.5	0.5	2.0	1.5	6	4
619(1)	SOIL STABILIZATION MATTING	1,000 S.F.	13.5	9.3	34.9	4.2	18.6	10.1	53.3	20.7
627(1)	WATERING	M. Gal.	10	23	21	9	24	9	58.9	48.8
670(1)	PAINTED TRAFFIC MARKINGS	L.S.	See Summary, Sht. 19							All Req'd
670(6)	THERMOPLASTIC PAVEMENT MARKINGS	L.S.	see Summary, sht. 19							All Req'd
671(1)	BUS STOP SHELTER	L.S.								All Req'd

REMOVAL OF STRUCTURES AND OBSTRUCTIONS

FROM STATION	TO STATION	LT.	RT.	REMARKS
10" 245+57			X	EXIST. 3.5' X 12' WOODEN STAIRS
12" 271+61		X		EXIST. WOODEN PEDESTRIAN BUS STOP
10" 201+65		X		EXIST. WOODEN BOX CULVERT WING WALLS

STAIRWAY SUMMARY

STATION	LT.	RT.	REMARKS
10" 245+57	X		SEE STANDARD DRAWING M-0501 FOR MORE DETAILS

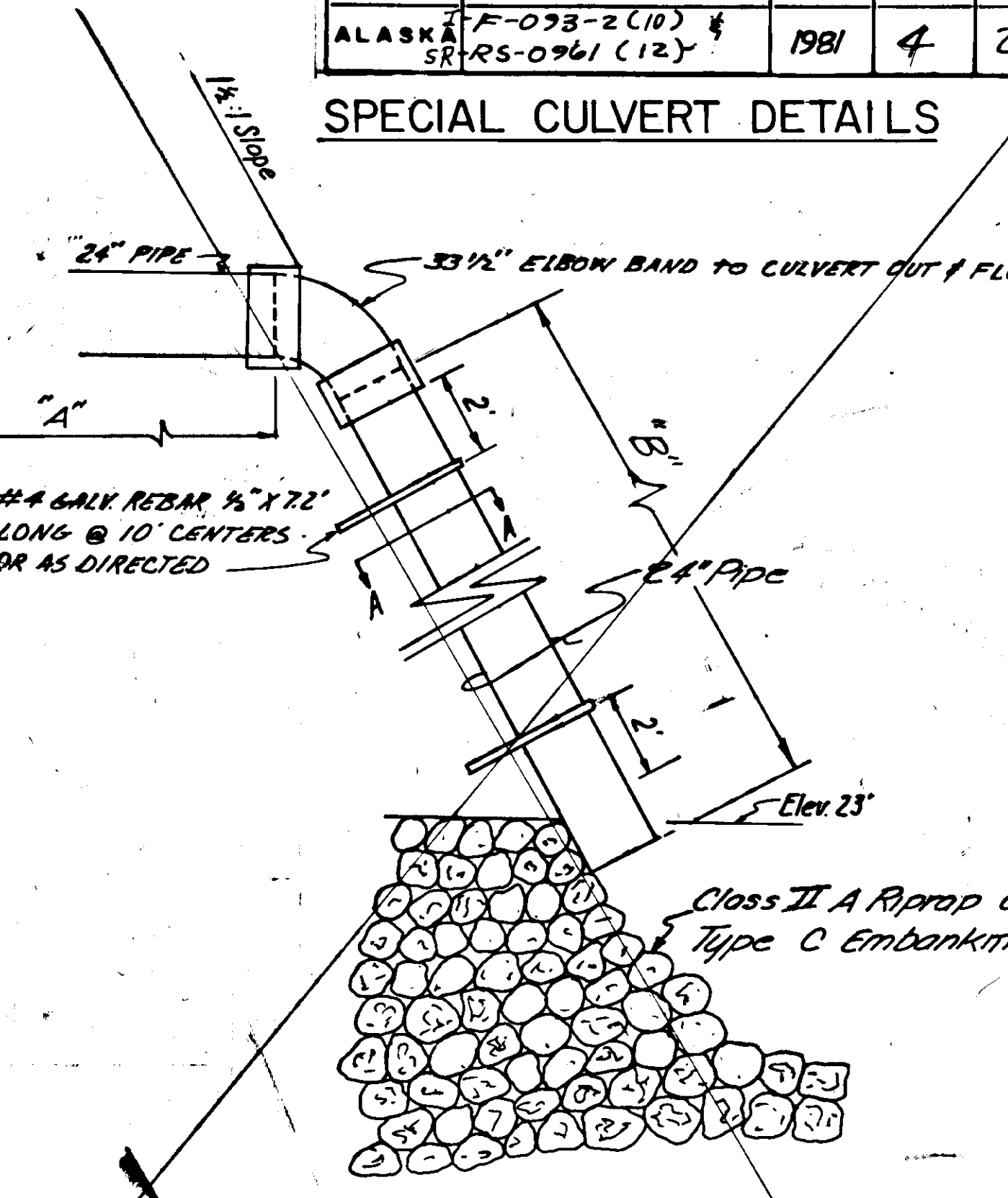
CULVERT SUMMARY

STATION	REMOVAL & DISPOSAL OF CULVERTS		HEIGHT OF COVER	INSTALL				REMARKS
	18" PIPE CONDUIT	24" PIPE CONDUIT		18" PIPE CONDUIT	24" PIPE CONDUIT	48" PIPE CONDUIT	18" PIPE CONDUIT	
10" 199+86 Rt.	40'	15'	40'					
10" 205+78	38' 50"	25'		38'	34'			
10" 206+21 Lt.	40'	15'	36' 39"					
10" 212+75	53'	2'		56'	10'			
10" 215+61	49'	2'		58'	2'			Skew 7° Lt. Ahd.
10" 218+70	54' 46"	25'		58'	66'			Skew 6° Lt. Ahd.
10" 223+43	47'	2'		52'	64'			*A=56', B=20'
10" 226+80	42'	3'		54'	62'			*A=60', B=24', Skew 16° Lt. Ahd.
10" 230+35	44'	25'		54'	63'			*A=58', B=18'
10" 231+73	54' 24"	25'		54'	63'			*A=58', B=14'
10" 233+43	54' 26"	35'		54'	72'			
10" 243+99	46'	15'		54'	56'			See Note Below
10" 245+47	48' 10"	2'		54'	54'			See Note Below
10" 245+54 Rt.	48' 48"		76' 6"					See Note Below
10" 247+60	55' 20"	2.5'		56'	60'			See Note Below
10" 248+59	47'	2.5'		58'	64'			See Note Below
10" 250+62	55' 52"	4'		56'	72'			See Note Below
10" 251+75		4'		66'	68'			
10" 252+24	51'							
10" 253+59	49' 48"	5'		52'	10'			See Note Below
10" 254+50	48' 40"	3.5'		56'	70'			See Note Below
10" 255+13	52' 20"	5.5'		54'	70'			See Note Below
10" 256+46	58' 20"	4'		50'	71'			See Note Below
10" 257+17	50'	3.5'		56'	71'			See Note Below
10" 258+45	54'	4.5'		54'	70'			See Note Below
10" 259+86+95	47' 48"	3.5'		64'				See Note Below
10" 260+79	46' 43"	3.5'		66'				See Note Below
10" 262+92	65'	2.5'		66'				See Note Below
10" 264+38	46'	7'				76' 6"		Skew 12° Lt. Ahd.
10" 264+55 Rt.	22'	1.5'	30' 42"					
10" 266+40	50' 51"	3'		58'	57'			
10" 268+47	42' 22"	5'		56'	72'			See Note Below
10" 268+79 Rt.	21'	1.5'	36' 32"					
10" 270+40	53'	1.5'		60'				
12" 271+74 Rt.	37'	1.5'	40'					
12" 272+75	49' 48"	2.5'		52'	50'			
10" 249+50				50' 76"				
10" 249+52 Rt.						43'		
I" 1+50 Kt. end						7'		added add'l pipe to existing

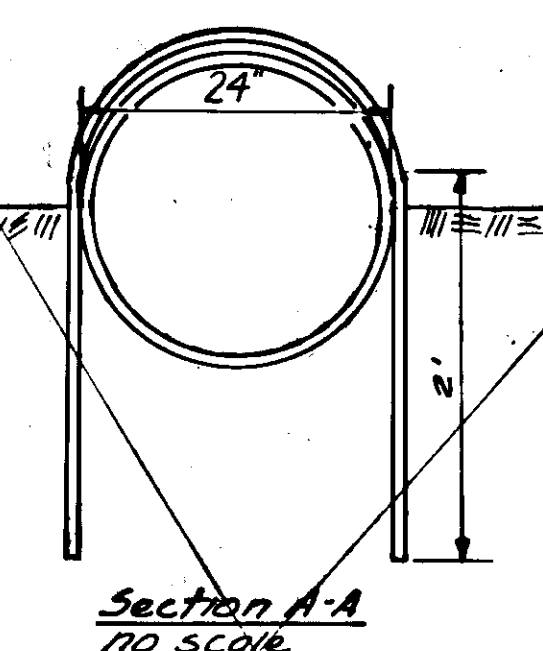
* Install outlet invert at elev 23.5
* Denotes flume installation; see details this sheet.

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOT. SHEETS
ALASKA	F-093-2(10) & RS-096(12)	1981	4	27

SPECIAL CULVERT DETAILS



FLUME DETAIL
NO SCALE



- Notes:
1. Rebar stakes shall be galvanized
 2. Riprap @ flume outlet shall be shaped as directed.
 3. Flume lengths & locations as indicated in culvert summary

This item not required

APPROACH SUMMARY

STATION	LT.	RT.	WIDTH	RADIUS	REMARKS
"0"198+92		X	18 20'	25'	≠ See Note 1 Below
"0"206+20	X		18 20'	25'	
"0"249+72		X	40'	25'	
"0"250+25		X	18 26'	25'	
"0"252+10		X	14'	25'	
"0"254+74		X	18 18'	25'	
"0"260+07		X	18 20'	25'	
"0"264+55		X	18 28'	25'	
"0"268+13		X	18 18'	25'	
"0"268+97		X	18 22'	25'	
"L"271+74		X	14'	25'	≠
"L"271+84	X		28'	30R, 23.5 L	* Liggers Pt. Road & Bus Shelter
"L"272+52		X	16 16'	25'	≠ See Note 1 Below
270+60			20		

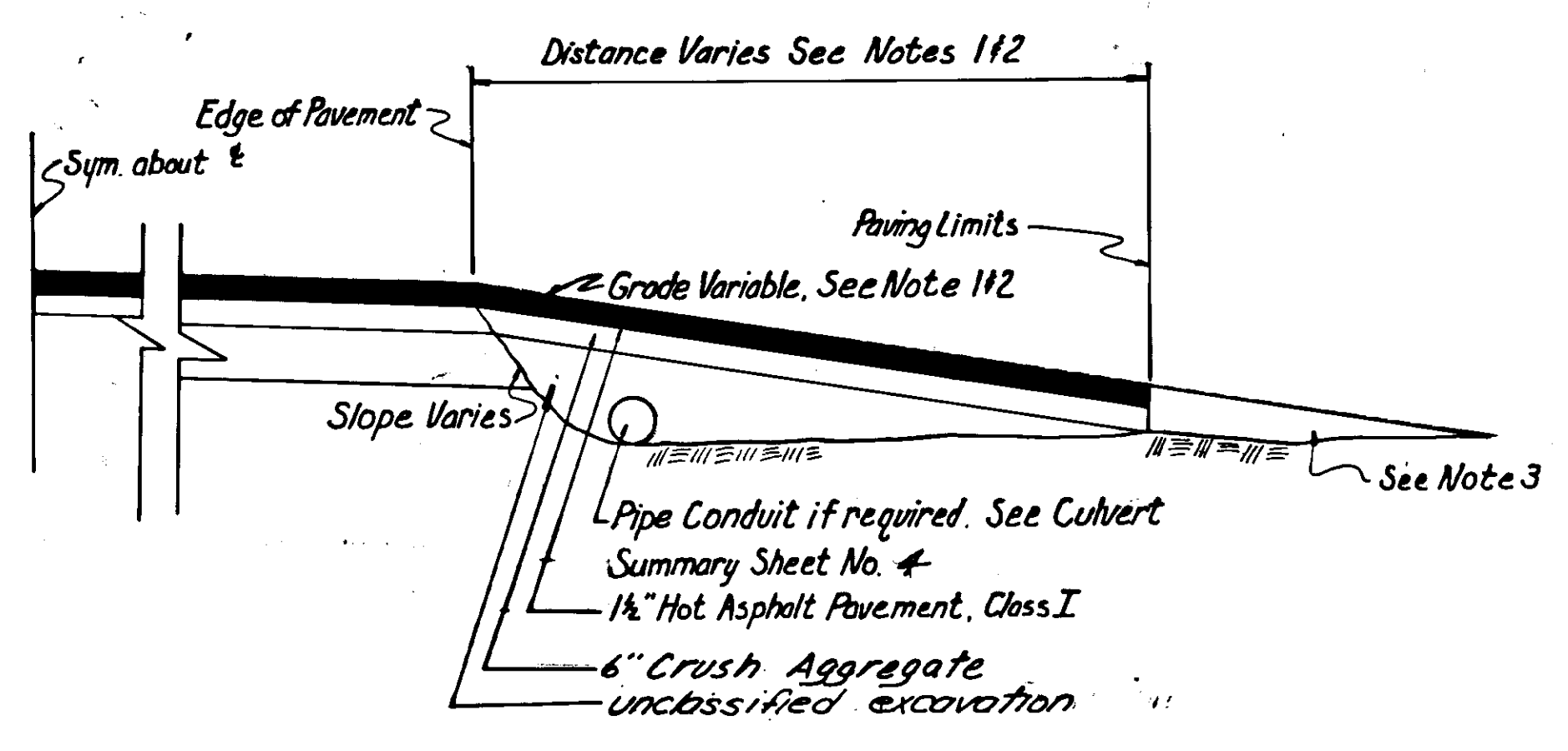
GUARDRAIL SUMMARY

FROM STATION	TO STATION	OFFSET		REMOVE & DISPOSE	INSTALL	REMARKS
		LT.	RT.			
"L"200+97.5	"L"206+05.3	X		507.5 506		
"L"199+84	"L"201+21		X	137.5 LF		
"L"208+27	"L"209+02	X		75 LF		
"L"210+77	"L"212+66	X		183.5 LF		
"L"199+73	"L"200+97.5	X		125 L.F.	X	Remove & Reconstruct Exist. Guardrail
"0"199+25	"0"202+75		X	350 → 300 L.F.		125 L.F. of reconst.
"0"200+55	"0"206+10	X		581.25 → 537.5 L.F.		R=25'
"0"208+02	"0"235+29 #	X		2718.75 → 2712.5		See Note #4
"0"242+32.5 #	"0"245+59.65	X		312.5 → 212.5 L.F.		See Note #3 & #4
"0"247+89.6	"0"248+84.03	X		200 → 158 L.F.		See Note #3
"0"248+38.738	"0"253+84.80	X		537.5 → 570 L.F.		
"0"254+72.10	"0"272+72	X		92.5 → 162.5 L.F.		R=30', L=47.12'
"0"263+66	"0"271+66	X		806.25 LF		

GUARDRAIL, APPROACH AND MAILBOX SUMMARIES

- NOTES**
- Guardrail lengths and locations shown in the above table are approx. only and are subject to minor revisions.
 - All guardrail radii of 150' or less shall be shop formed. Radii and approx. lengths are indicated in the table to the left.
 - Existing terminal ends @ "0"235+29 & "0"242+32.5 shall be reinstalled @ "0"245+59 & "0"245+89.
 - # Indicates proposed guardrail shall be connected to the existing guardrail. Standard Drawing G-13.16 or G-14.08 shall not apply at these locations.

APPROACH DETAIL



Notes:

- ≠ Indicates approaches to be reconstructed with materials detailed above. Paving limits shall be 20' beyond the edge of pavement or to the R/W line whichever is less.
- * Indicates approaches to be reconstructed with 1 1/2" Hot Asphalt Pavement MC-30 for Prime Coat, 4" Crushed Aggregate, and 9" Subbase Grading "A" Paving limits and finished profiles grades are shown on the intersection details.
- This area shall be surfaced with unclassified excavation topped with 6" Crushed Aggregate.

MAILBOX SUMMARY

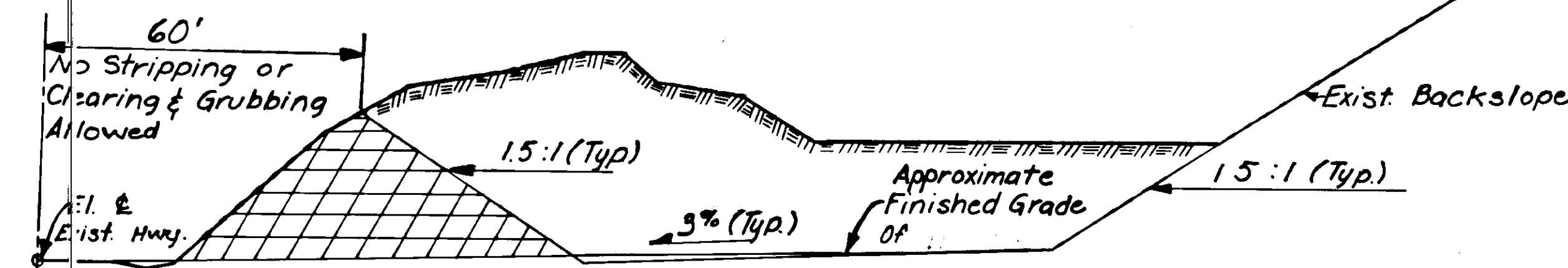
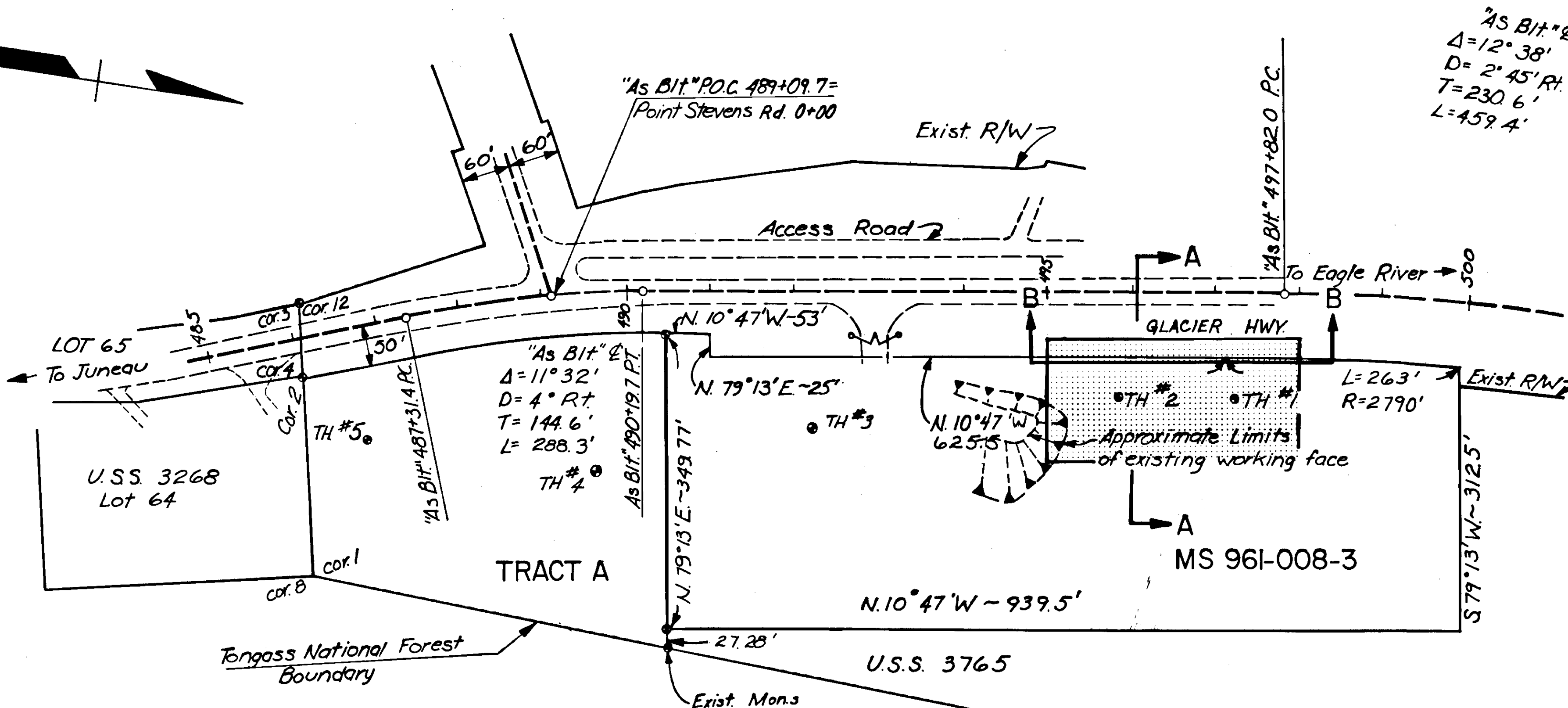
STATION	LT.	RT.	no. OF BOXES	REMARKS
"0"245+51		X	1	
"0"254+70		X	1	
"0"259+97		X	1	
"0"264+74		X	1	
"0"268+267+95		X	1	
"0"271+32 271+40	X			12.5 12.5 L.F.
"0"271+56		X	1	

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	IF-093-2 (10) & SR-RS-0961 (12)	1981	6A	22

STATE FURNISHED MATERIAL SITE

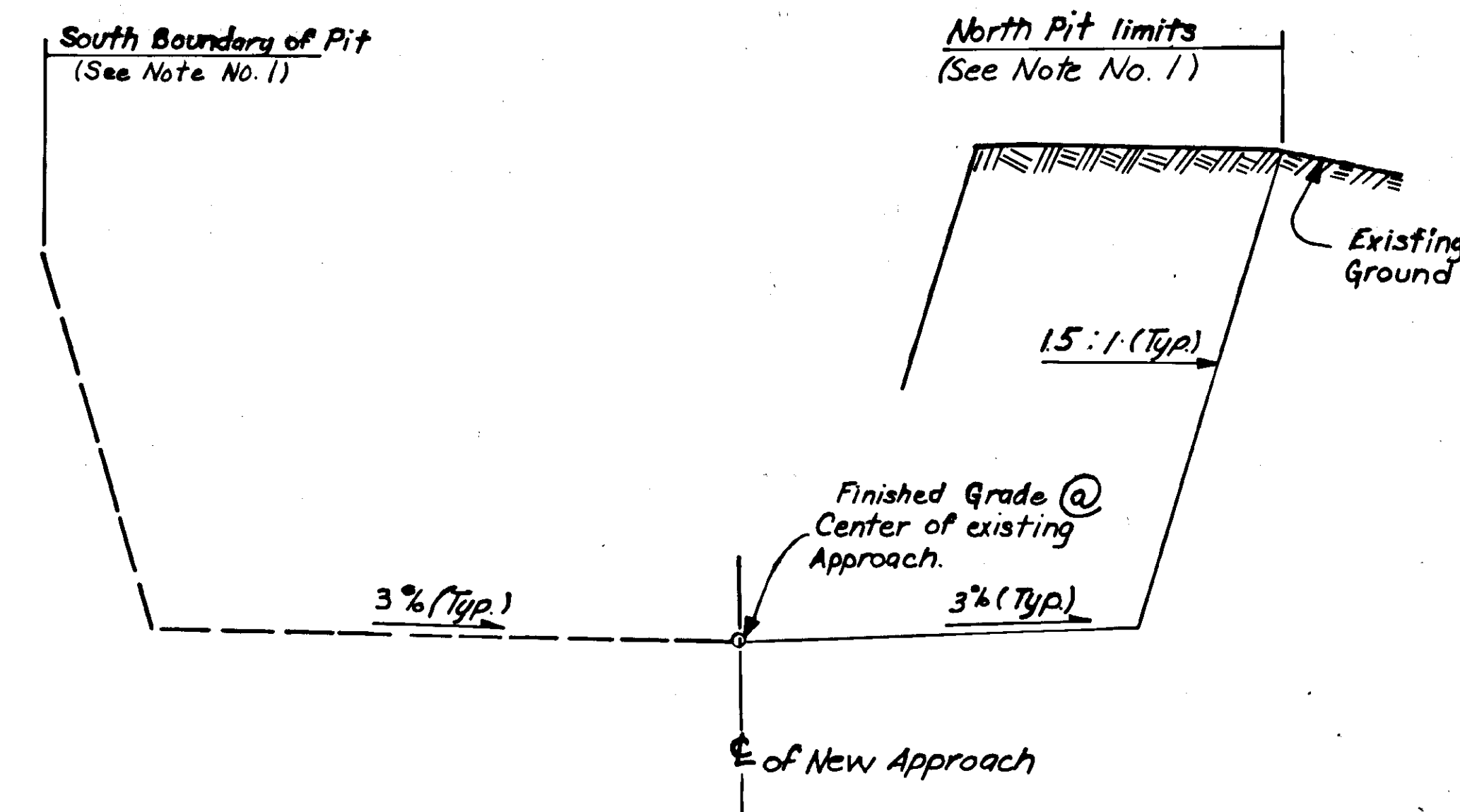
NOTES

- Indicates the area of this material site that is available for the production of Asphalt Aggregate-Type I, Crushed Aggregate Base Course, and Subbase Grading "A".
- The shaded area of this Borrow Site contains approximately 28,000 Bank Cubic Yards of material.
- T.B.M. *T-H2 is a spike set in a 36" Spruce Tree located 36.5' Lt of "Asbit" 499+58.
- Payment for any material not actually utilized on this project shall be considered incidental to other item of work.
- All waste material encounter in this source shall be disposed of outside the pit limits shown below.
- Plant and stockpile sites may be located within the pit limits shown below. However the contractor shall obtain all required permits.
- This material site is located at approximately 18 mile Glacier Highway.



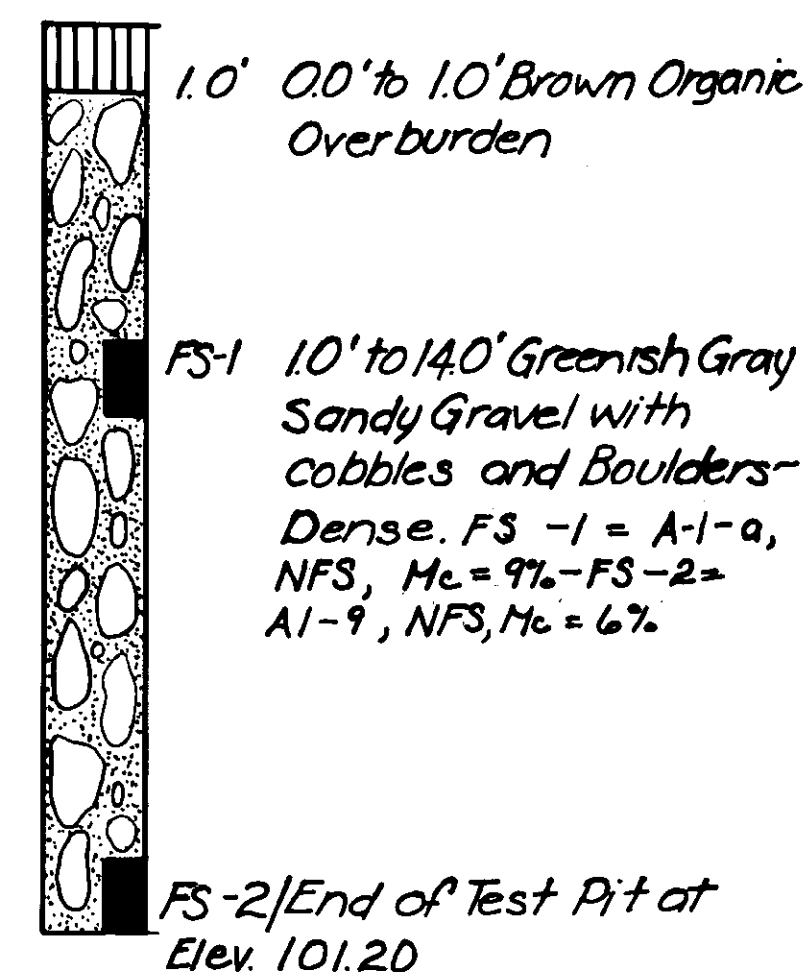
Indicates existing material that's to remain in place.

SECTION A-A

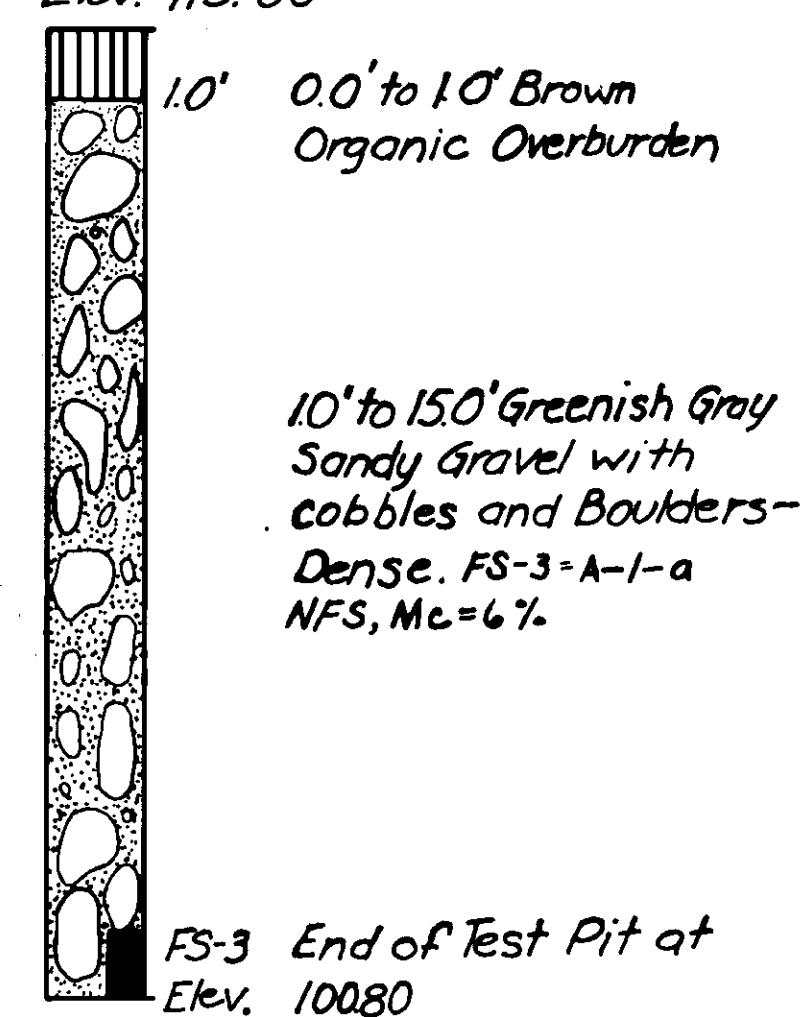


SECTION B-B

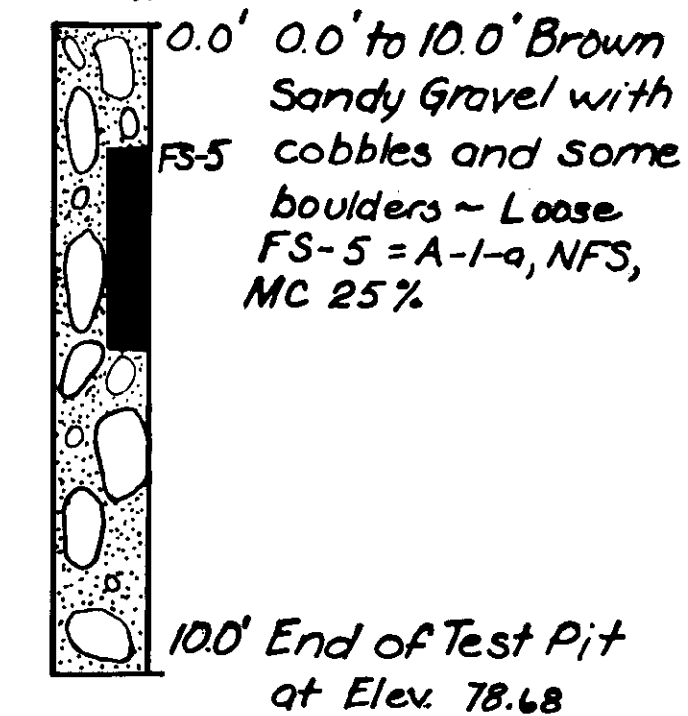
Test Pit No. 1
Date 3/14/80
Elev. 115.20



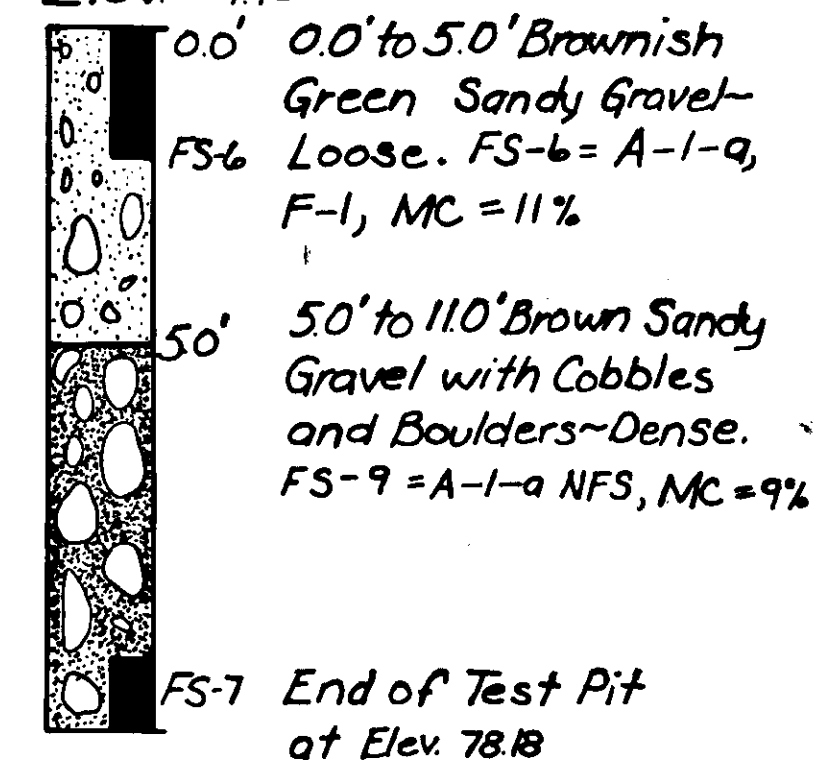
Test Pit No. 2
Date 3/14/80
Elev. 115.80



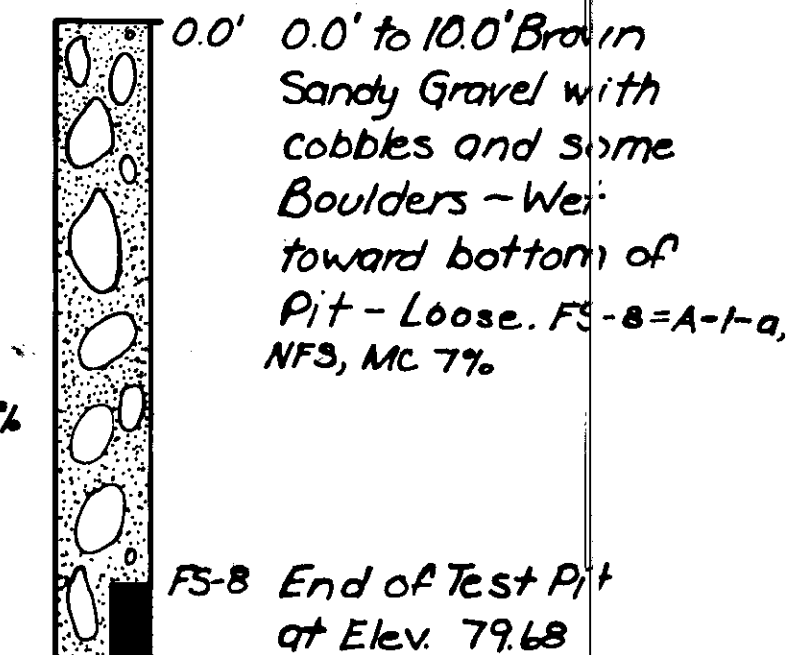
Test Pit No. 3
Date 3/19/80
Elev. 88.68



Test Pit No. 4
Date 3/19/80
Elev. 89.18



Test Pit No. 5
Date 3/19/80
Elev. 89.68



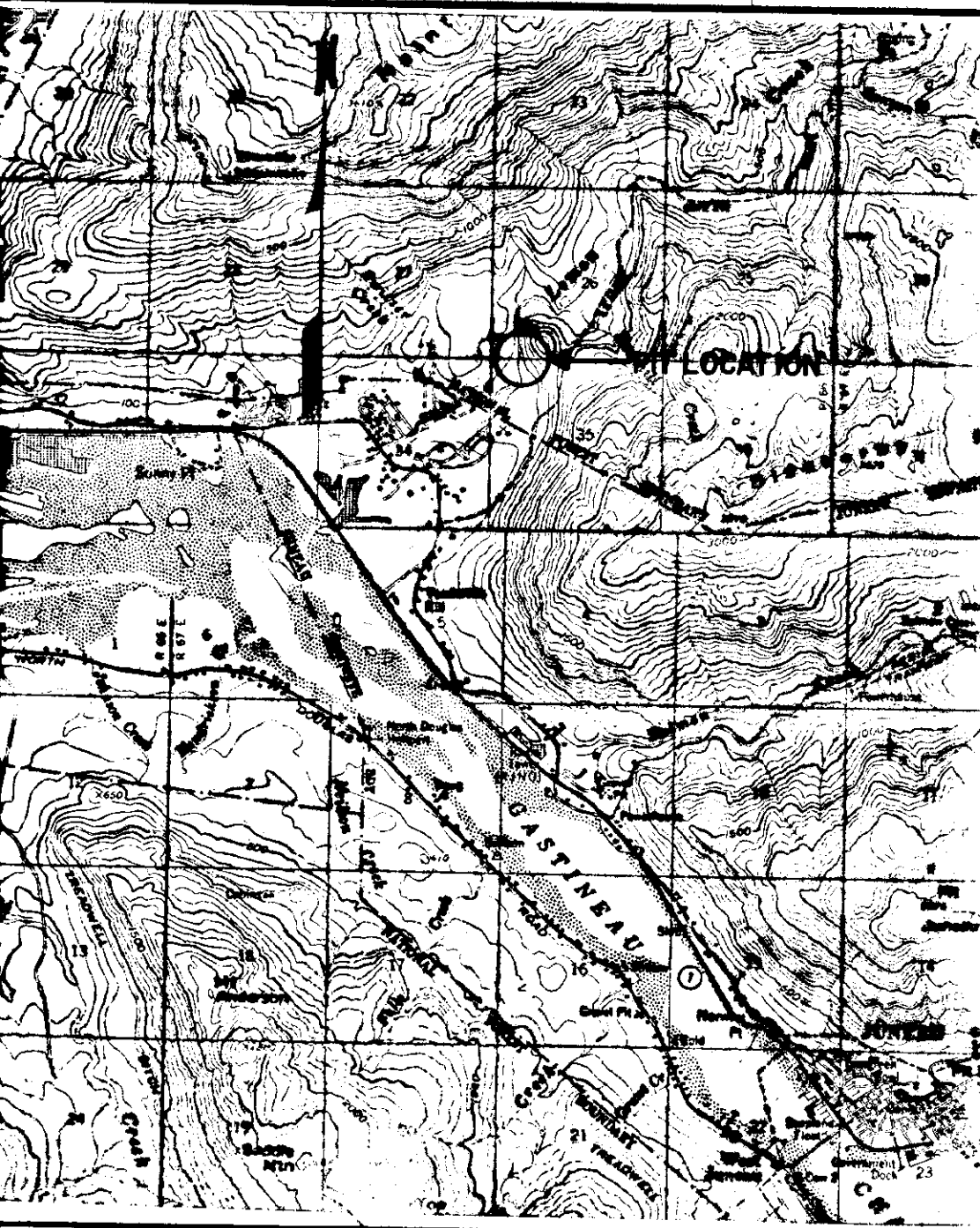
SYMBOLS

- Organic Material
- Gravel
- Test Pit Location
- Field Sample Location
- Water Table
- 5.0' - Dept. + Feet

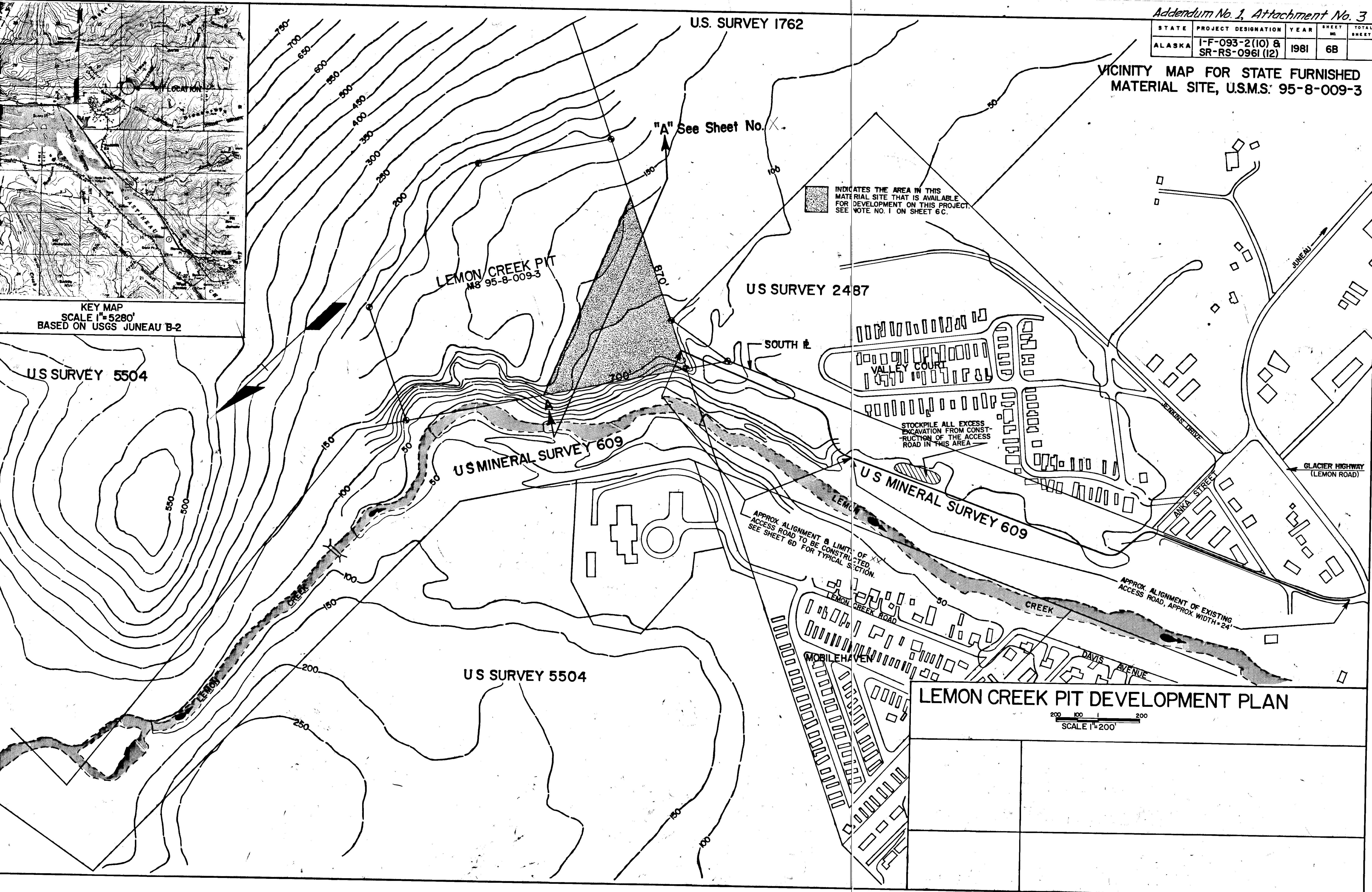
LOG OF TEST BORINGS

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	I-F-093-2(10) & SR-RS-0961(12)	1981	6B	

VICINITY MAP FOR STATE FURNISHED MATERIAL SITE, U.S.M.S. 95-8-009-3



KEY MAP
SCALE 1"=5280'
BASED ON USGS JUNEAU B-2



APPROX ALIGNMENT & LIMITS OF XX ACCESS ROAD TO BE CONSTRUCTED. SEE SHEET 6D FOR TYPICAL SECTION.

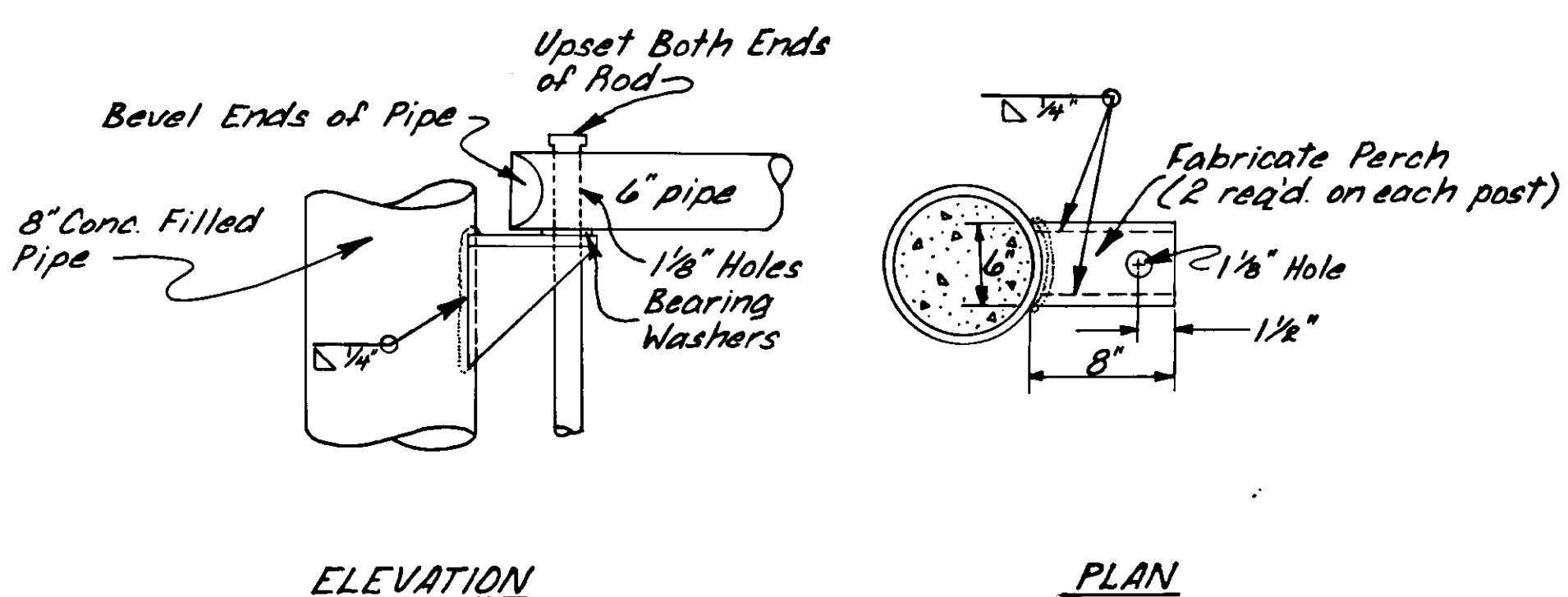
APPROX ALIGNMENT OF EXISTING ACCESS ROAD, APPROX WIDTH 24'

LEMON CREEK PIT DEVELOPMENT PLAN

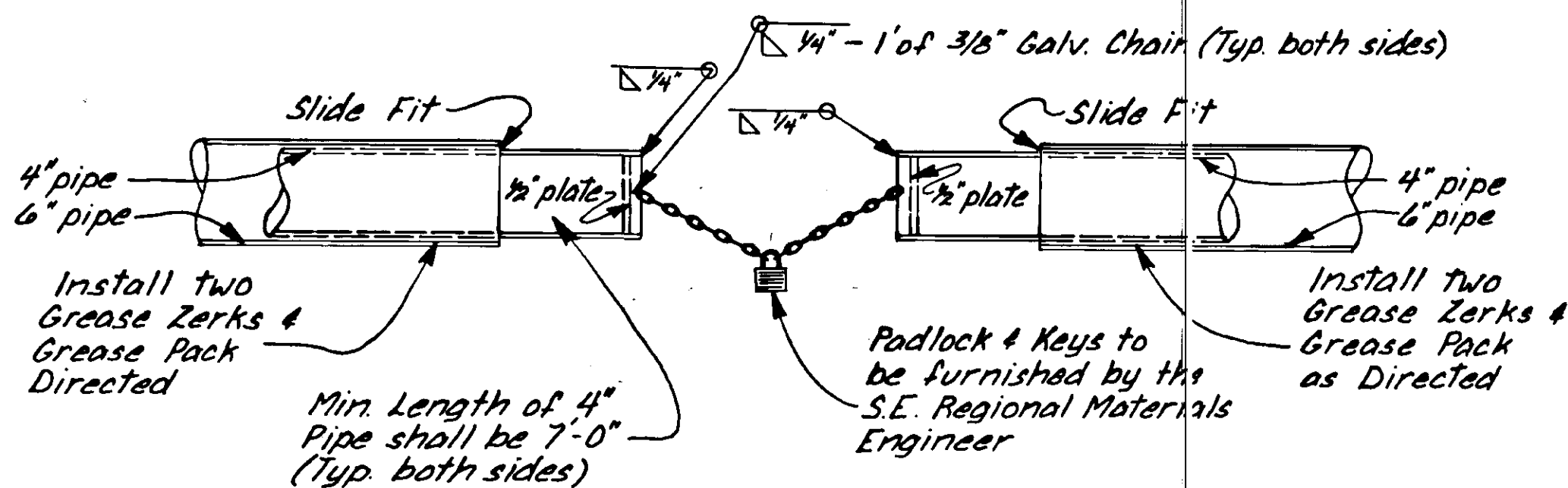
200 100 200
SCALE 1"=200'

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	I-F-093-2(10) & SR-RS-0961(12)	1981	6C	

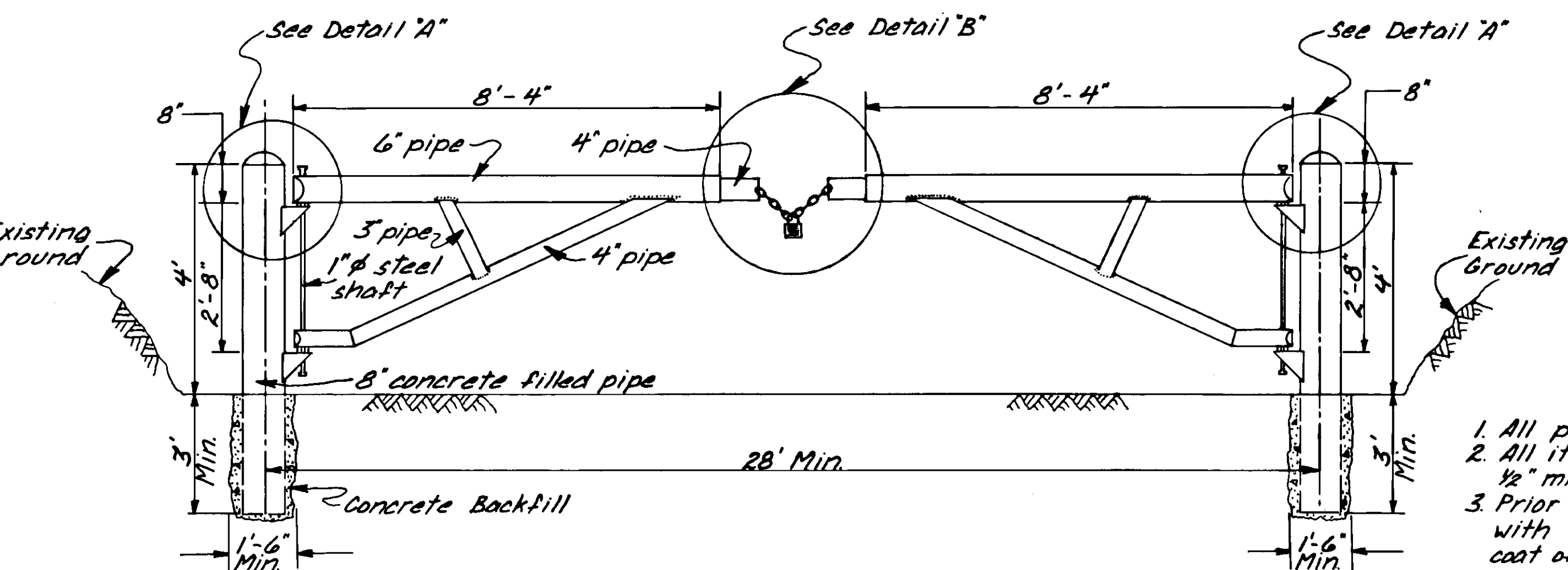
GENERAL NOTES & SECURITY GATE DETAILS FOR STATE FURNISHED MATERIAL SITE U.S.M.S. 95-8-009-3



DETAIL "A"



DETAIL "B"



- NOTES**
1. All pipe shall be schedule 40.
 2. All items to be fabricated shall be made of 1/2" mild steel plate or flat bar.
 3. Prior to erecting the gate it shall be painted with one coat of zinc chromate primer & one coat of international orange paint.

SECURITY GATE DETAIL
(Details Not to Scale)

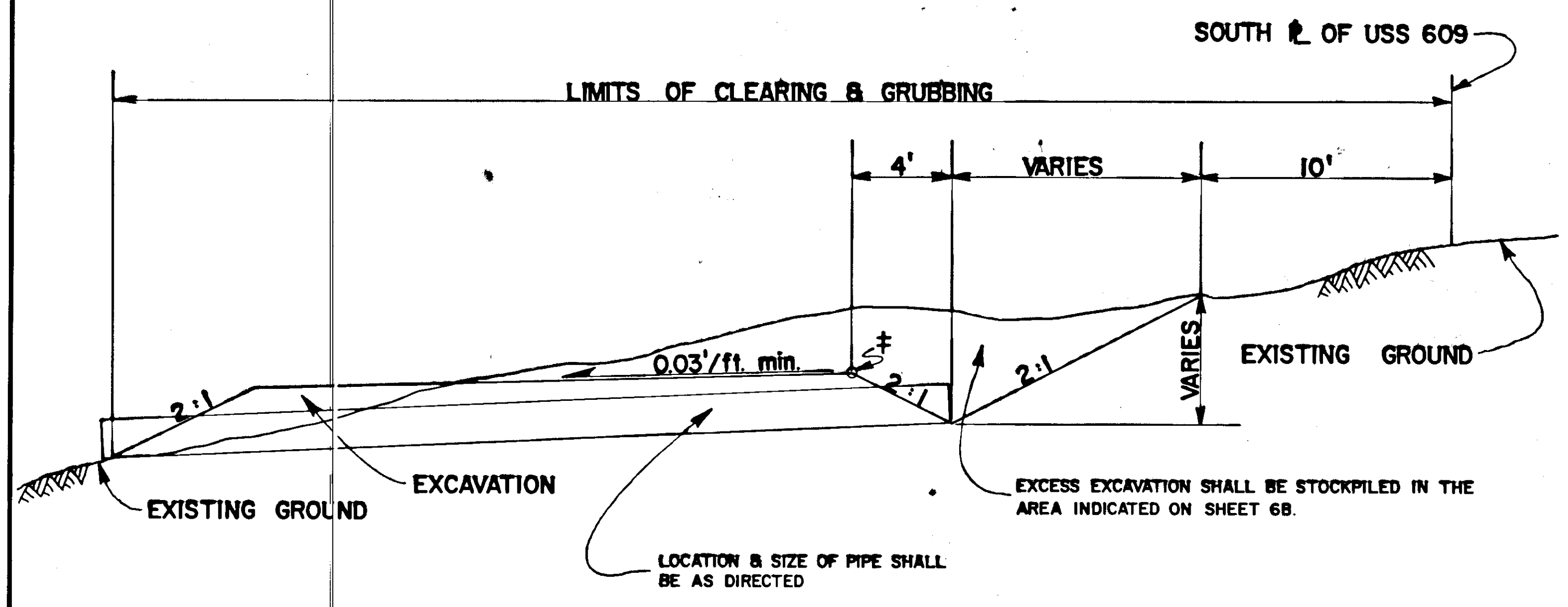
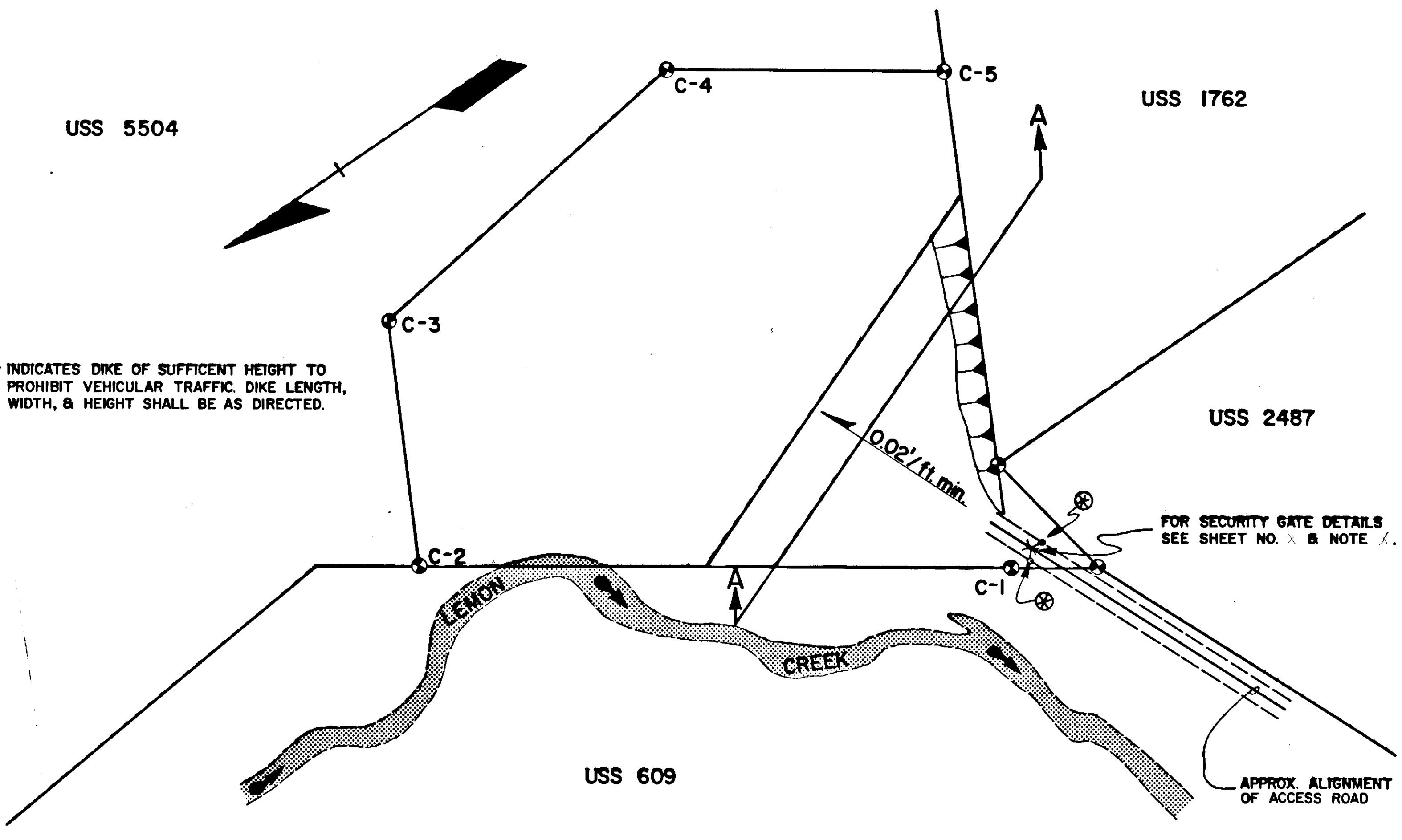
GENERAL NOTES

1. [Symbol] Indicates the area of this borrow site that is available for the production of Asphalt Aggregate-Type 1, Crushed Aggregate Base Course, & Subbase-Grading "A".
2. The shaded area of this borrow site contains approx. 26,000 Bank Cubic Yards of material.
3. Construction & utilization of the access road across U.S.S. 609 to the material site, by the contractor and/or his agents, is covered by an Access Agreement between the private land owners & D.O.T. & P.F. Copies of these agreements may be obtained from the S.E. Regional Design & Construction Engineer during regular working hours.
4. Payment for any material not actually utilized on this project shall be considered incidental to other items of work.
5. All organic material encountered in this source shall be disposed of outside the pit limits. All A-2 through A-4 material shall be stock-piled for future use. Payment for removal of all material not utilized on this project shall be considered incidental to other items of work.
6. Plant & stockpile sites may be located within the available pit limits. However, the contractor shall obtain all required permits.
7. Working hours within this borrow site, limits shown on sheet 6B, shall be limited to 7:00 a.m. to 10:00 p.m. Monday through Friday, 8:00 a.m. to 5:00 p.m. on Saturday, & no work shall be allowed on Sunday.
8. The proposed security gate & dikes called for on sheet 6D shall be installed upon completion of the access road & shall be closed & locked during all non-working hours.
9. After clearing the interim area the contractor shall salvage & stock-pile all timber, 8" or more in dia., within the pit limits.
10. At no time shall unbenched faces greater than 20' in height be allowed in the pit.
11. If benched faces are required they shall be accessible from the pit floor & the distance between faces shall be 25'.
12. Upon completion of interim removal of material the pit floor shall be left in such a manner as not to impede the flow of water.

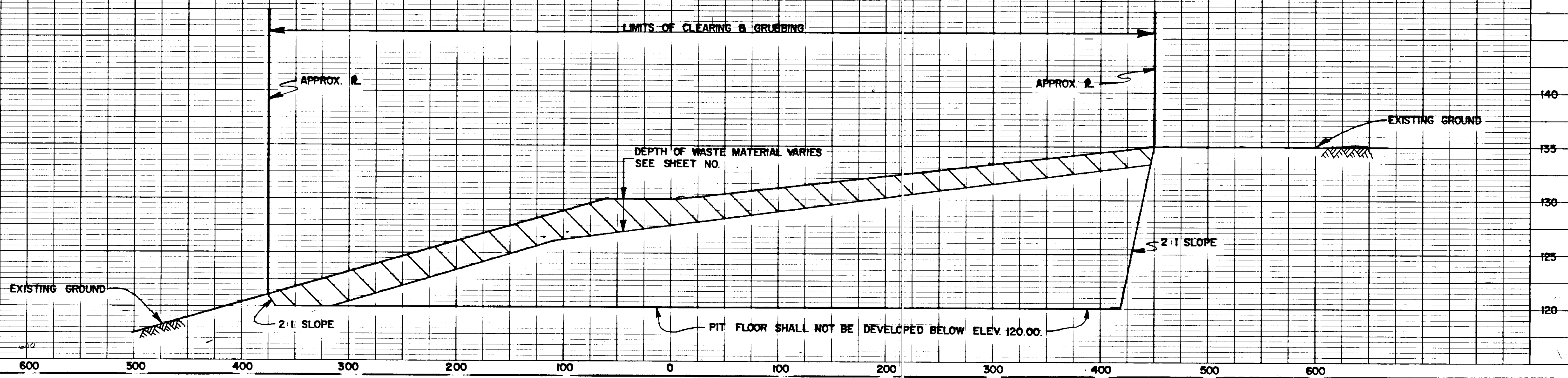
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	I-F-093-2(10) & SR-RS-0961(12)	1981	6D	

SITE DEVELOPMENT PLAN & TYPICAL SECTION OF ACCESS ROAD TO U.S.M.S. 958-009-3

DEVELOPMENT PLAN



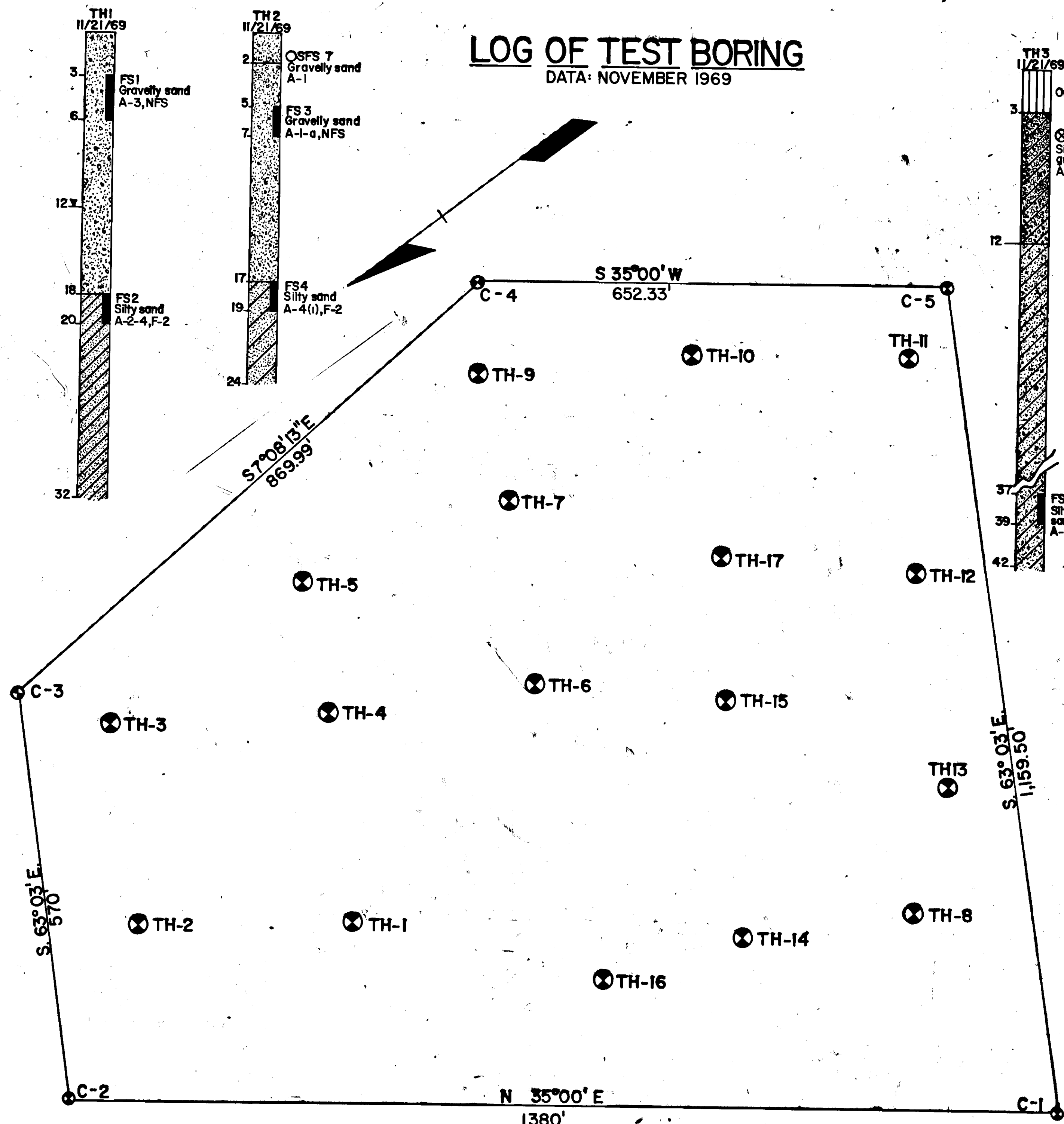
± FINISHED GRADE & ALIGNMENT SHALL BE APPROVED BY THE ENGINEER PRIOR TO BEGINNING CONSTRUCTION.



STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	I-F-093-2(10) & SR-RS-0961(12)	1981	6E	

LOG OF TEST BORING

DATA: NOVEMBER 1969



PLAN
SCALE 1" = 100'

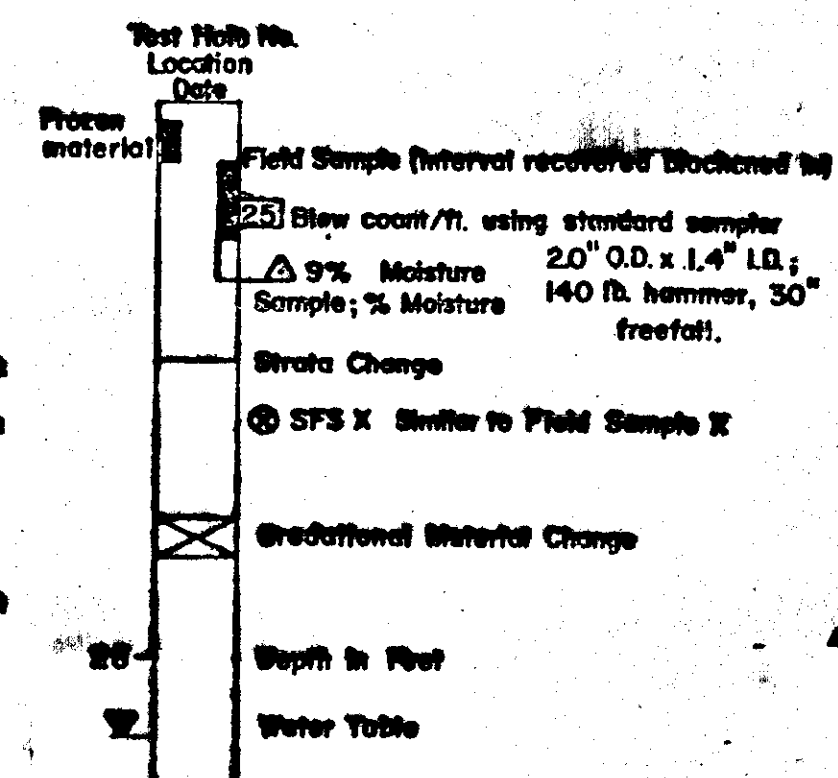
PLAN VIEW SYMBOLS

- ⊗ Power Auger or BPH
- ⊗ Stand Auger
- ⊗ Exposed Material
- ⊕ Probe
- ⊕ Hand Aug Test Pit
- ⊕ Blasted Test Pit
- ⊕ Dicer Trench
- XXXXX Berm
- ⊕ Terrace or Bank
- ⊕ Swamp
- ⊕ Trestle

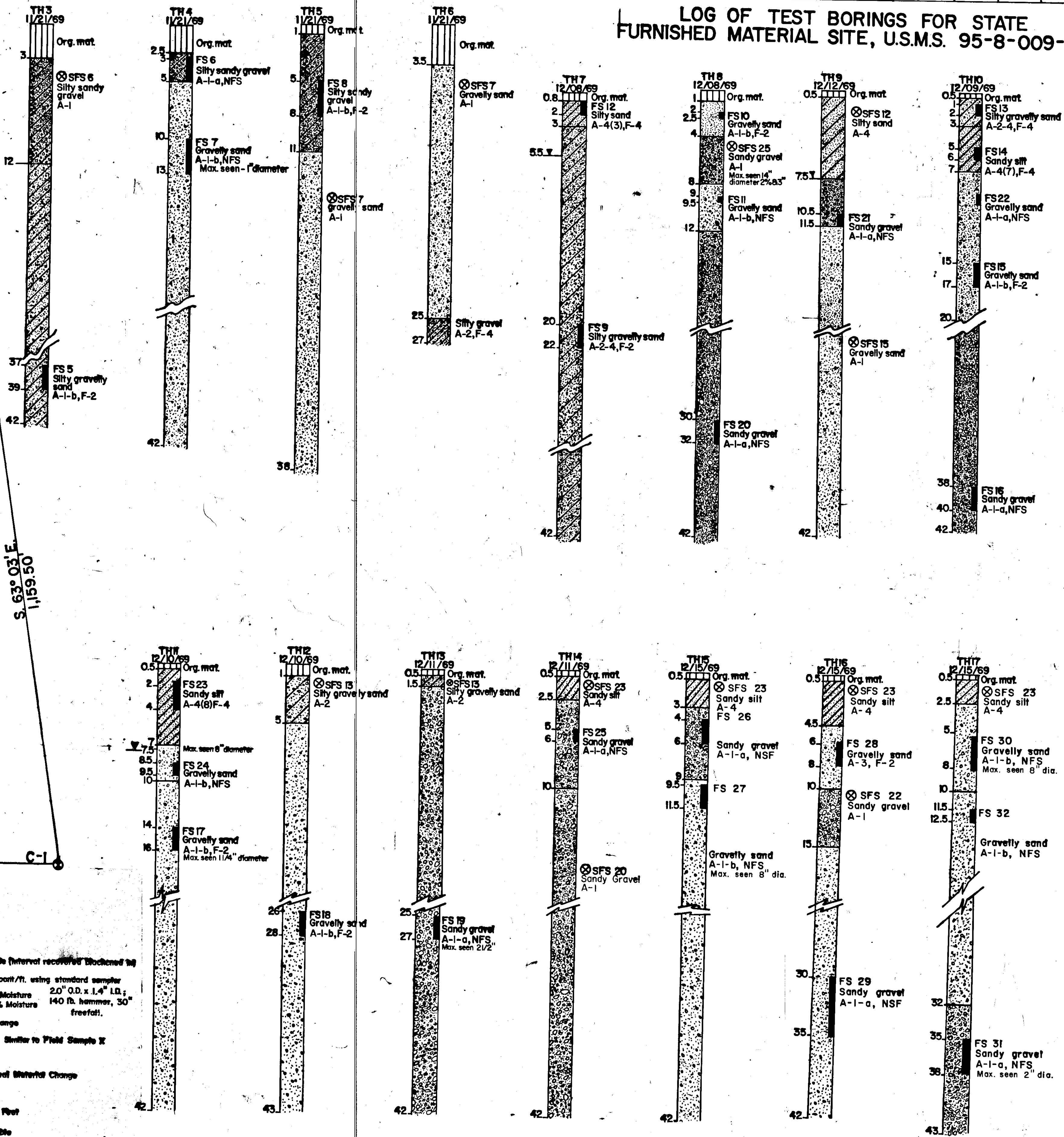
Note: No water encountered at base of boring unless indicated.

BORING LOG SYMBOLS

- Gravel
- Sand
- Silt
- Clay
- Organic Materials
- Igneous Volcanic Bedrock
- Igneous Intrusive Bedrock
- Metamorphic Bedrock
- Sedimentary Bedrock
- Undifferentiated Bedrock
- Broken Rock

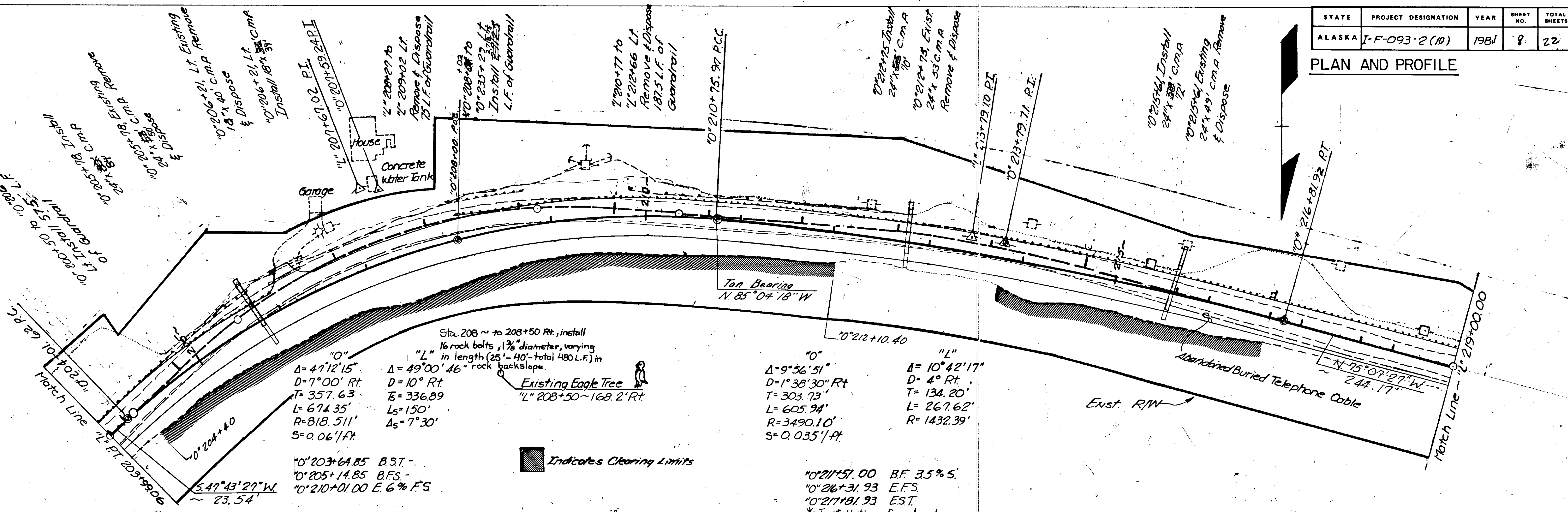


LOG OF TEST BORINGS FOR STATE FURNISHED MATERIAL SITE, U.S.M.S. 95-8-009-3



STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	I-F-093-2(10)	1981	8	22

PLAN AND PROFILE



Sta. 208 ~ to 208+50 Rt., install 16 rock bolts, 1 3/8" diameter, varying in length (25' - 40' total 480 L.F.) in "L" 16" rock backslope.

Existing Eagle Tree "L" 208+50-168.2' Rt.

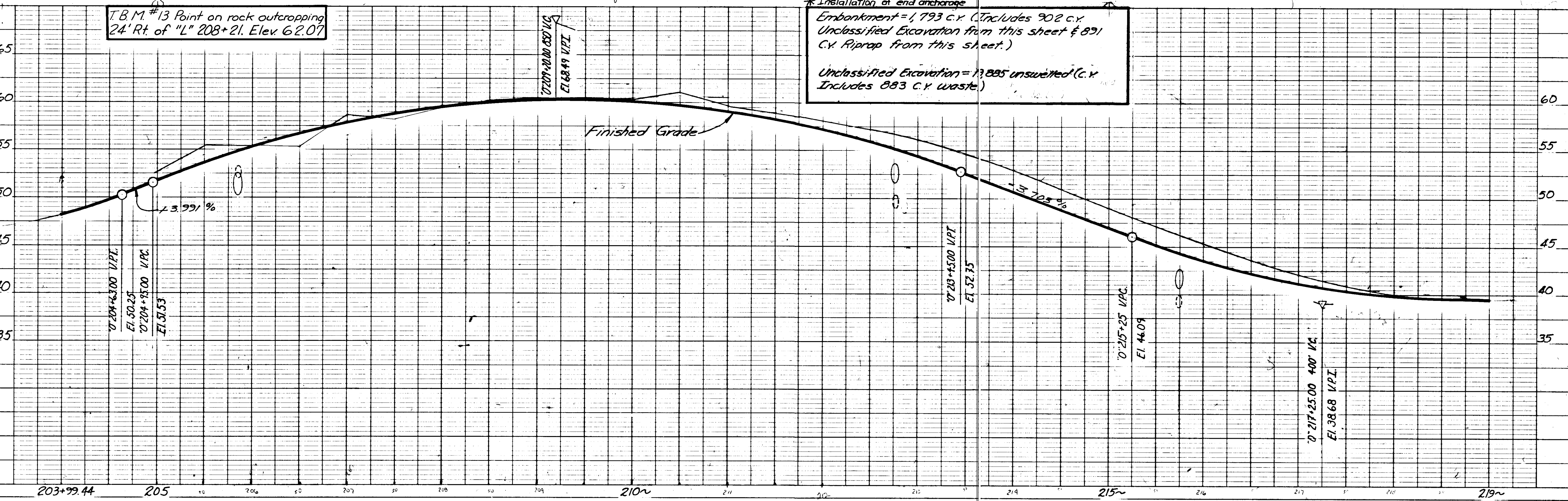
0+203+64.85 BST -
0+205+14.85 BFS -
0+210+01.00 E. 6% FS

0+204+40
0+207+67.02 P.I.
0+209+02 Lf. Remove & Dispose 25 L.F. of Guardrail
0+210+77 to 0+212+66 Lf. Remove & Dispose 187.5 L.F. of Guardrail
0+212+10.40
0+213+79.71 P.I.
0+216+81.92 P.I.
0+219+00.00

0+204+40
0+206+21 Lf. Existing 18" x 40 C.M.P. & Dispose
0+206+21 Lf. Install 18" x 39" C.M.P.
0+207+27 to 0+209+02 Lf. Remove & Dispose 25 L.F. of Guardrail
0+210+77 to 0+212+66 Lf. Remove & Dispose 187.5 L.F. of Guardrail
0+212+10.40
0+213+79.71 P.I.
0+216+81.92 P.I.
0+219+00.00

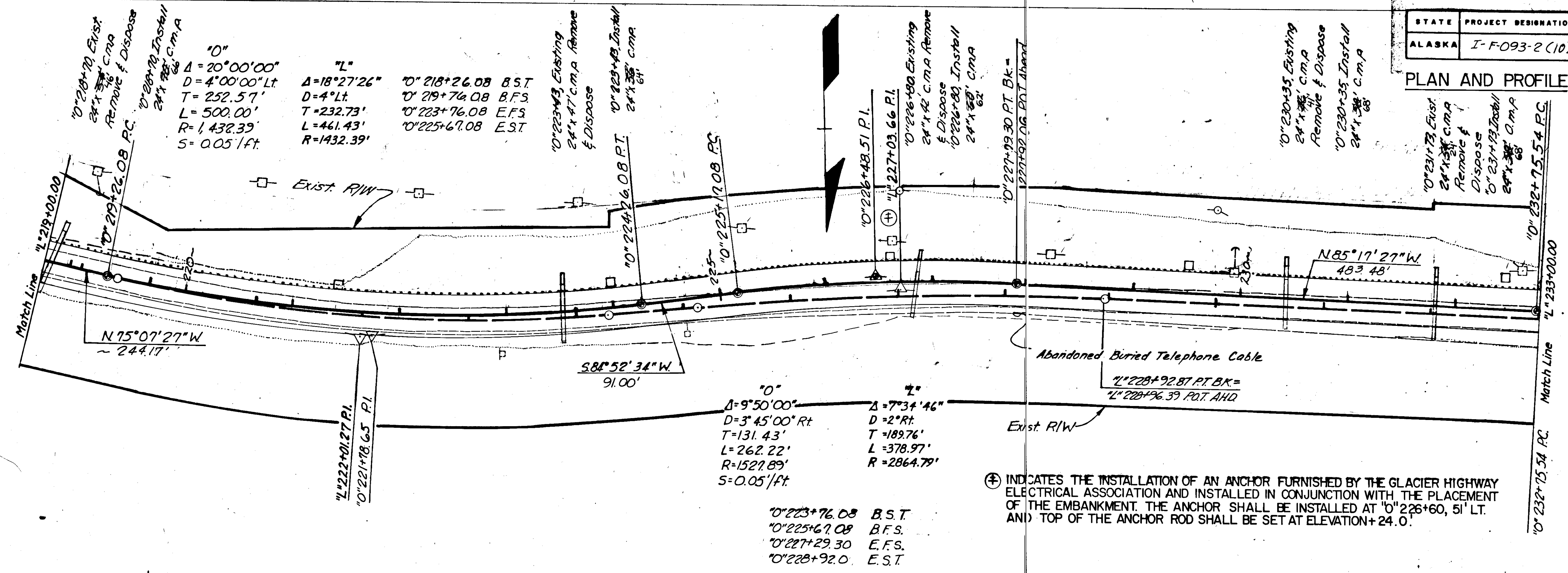
0+203+64.85 BST -
0+205+14.85 BFS -
0+210+01.00 E. 6% FS

0+204+40
0+207+67.02 P.I.
0+209+02 Lf. Remove & Dispose 25 L.F. of Guardrail
0+210+77 to 0+212+66 Lf. Remove & Dispose 187.5 L.F. of Guardrail
0+212+10.40
0+213+79.71 P.I.
0+216+81.92 P.I.
0+219+00.00



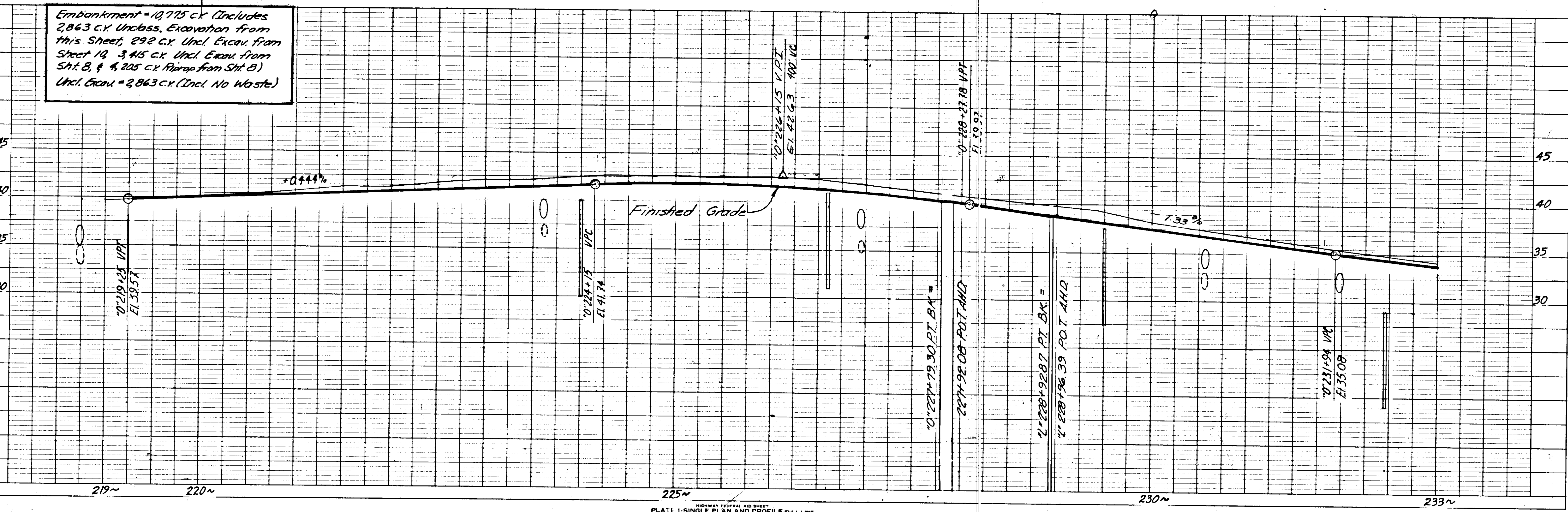
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	I-F-093-2(10)	1981	9	22

PLAN AND PROFILE



⊕ INDICATES THE INSTALLATION OF AN ANCHOR FURNISHED BY THE GLACIER HIGHWAY ELECTRICAL ASSOCIATION AND INSTALLED IN CONJUNCTION WITH THE PLACEMENT OF THE EMBANKMENT. THE ANCHOR SHALL BE INSTALLED AT 0+226+60, 51' LT. AND TOP OF THE ANCHOR ROD SHALL BE SET AT ELEVATION +24.0.

Embankment = 10,715 c.y. (Includes 2,863 c.y. Uncl. Excav. from this Sheet, 292 c.y. Uncl. Excav. from Sheet 10, 3,415 c.y. Uncl. Excav. from Sht. B, & 4,205 c.y. Riprap from Sht. B) Uncl. Excav. = 2,863 c.y. (Incl. No Waste)

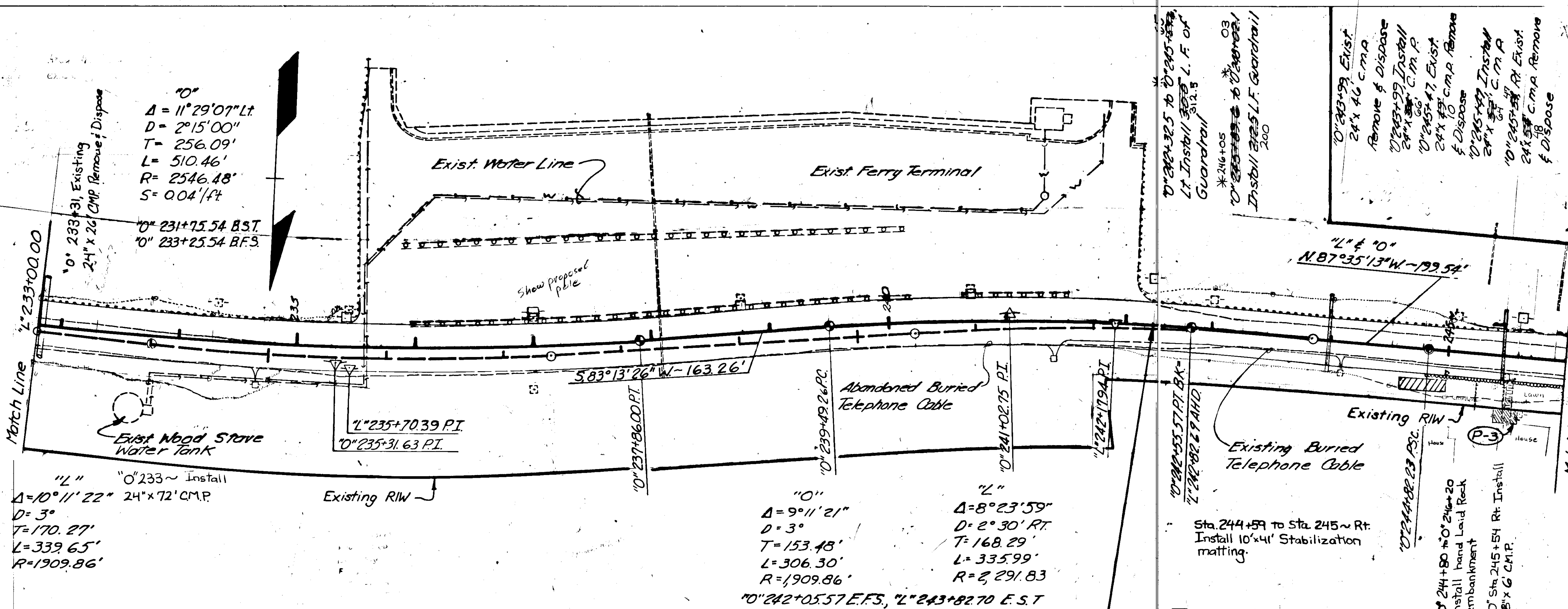


STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	F-093-2(10) & SR-RS-0961(12)	1981	10	22

PLAN AND PROFILE

SR-RS-0961(12)
HORIZONTAL CONTROL
 State Plane Coordinates @ Begin Project "0"242+22.73
 North 2,393,835.419
 East 2,489,856.712
 State Plane Coordinates @ End Project "L"274+00
 North 2,392,746.517
 East 2,487,032.985
 Bearings Shown are Grid Bearings.
 Distances Shown are Geodetic Distances.
 Scale Factor = 0.9999271

SR-RS-0961(12)
VERTICAL CONTROL
 A Standard Highway Disk stamped "BM Auke 1977", set in a large boulder, 55' Lt of "L"243+84, Elev. 18.98 M.L.L.W. (1960 Tidal Datum)



"0"
 $\Delta = 11^{\circ}29'07''$ Lt
 $D = 2^{\circ}15'00''$
 $T = 256.09'$
 $L = 510.46'$
 $R = 2546.48'$
 $S = 0.04'/ft$
 "0" 231+75.54 B.S.T.
 "0" 233+25.54 B.F.S.

"L"
 $\Delta = 10^{\circ}11'22''$
 $D = 3^{\circ}$
 $T = 170.27'$
 $L = 339.65'$
 $R = 1909.86'$

"0"
 $\Delta = 9^{\circ}11'21''$
 $D = 3^{\circ}$
 $T = 153.48'$
 $L = 306.30'$
 $R = 1909.86'$
 "0" 242+05.57 E.F.S., "L" 243+82.70 E.S.T

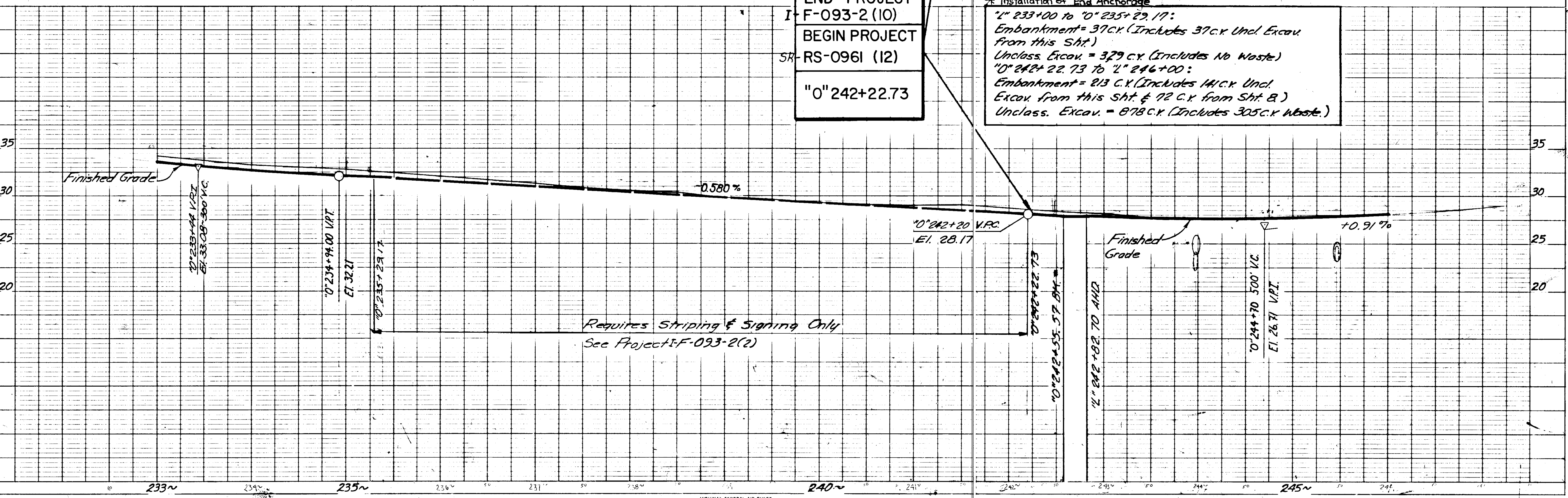
"L"
 $\Delta = 8^{\circ}23'59''$
 $D = 2^{\circ}30' RT$
 $T = 168.29'$
 $L = 335.99'$
 $R = 2,291.83$

"0" 243+99, Exist
 24" x 46" C.M.P.
 Remove & Dispose
 "0" 243+99 Install
 24" x 46" C.M.P.
 "0" 245+47, Exist
 24" x 46" C.M.P. Remove
 & Dispose
 "0" 245+47 Install
 24" x 46" C.M.P.
 "0" 245+54, Exist
 24" x 46" C.M.P. Remove
 & Dispose

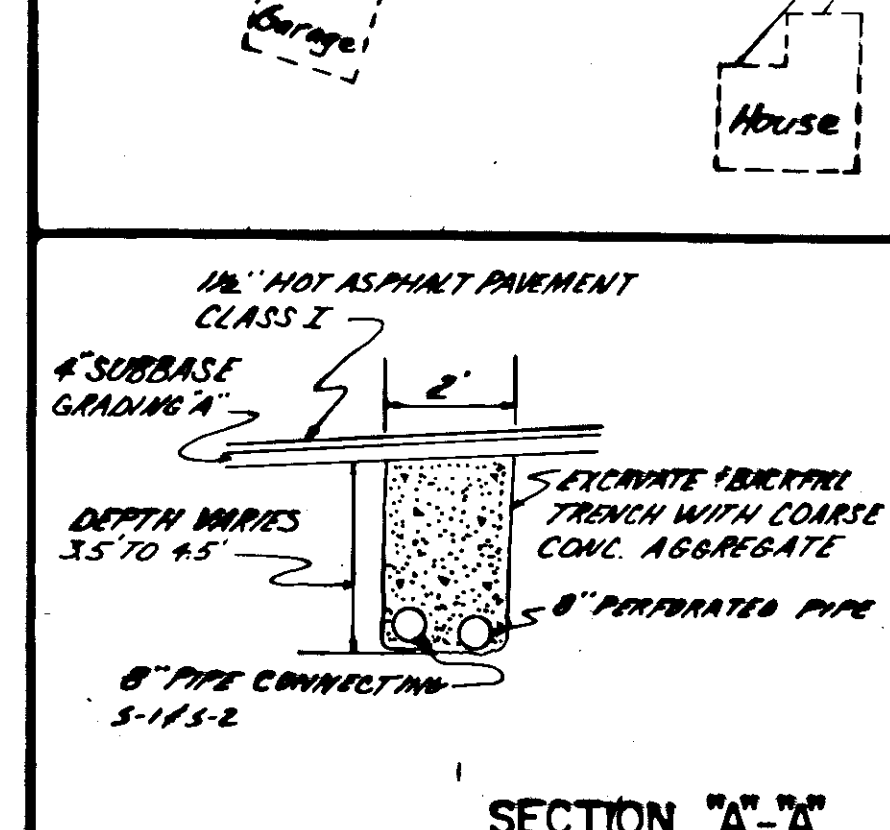
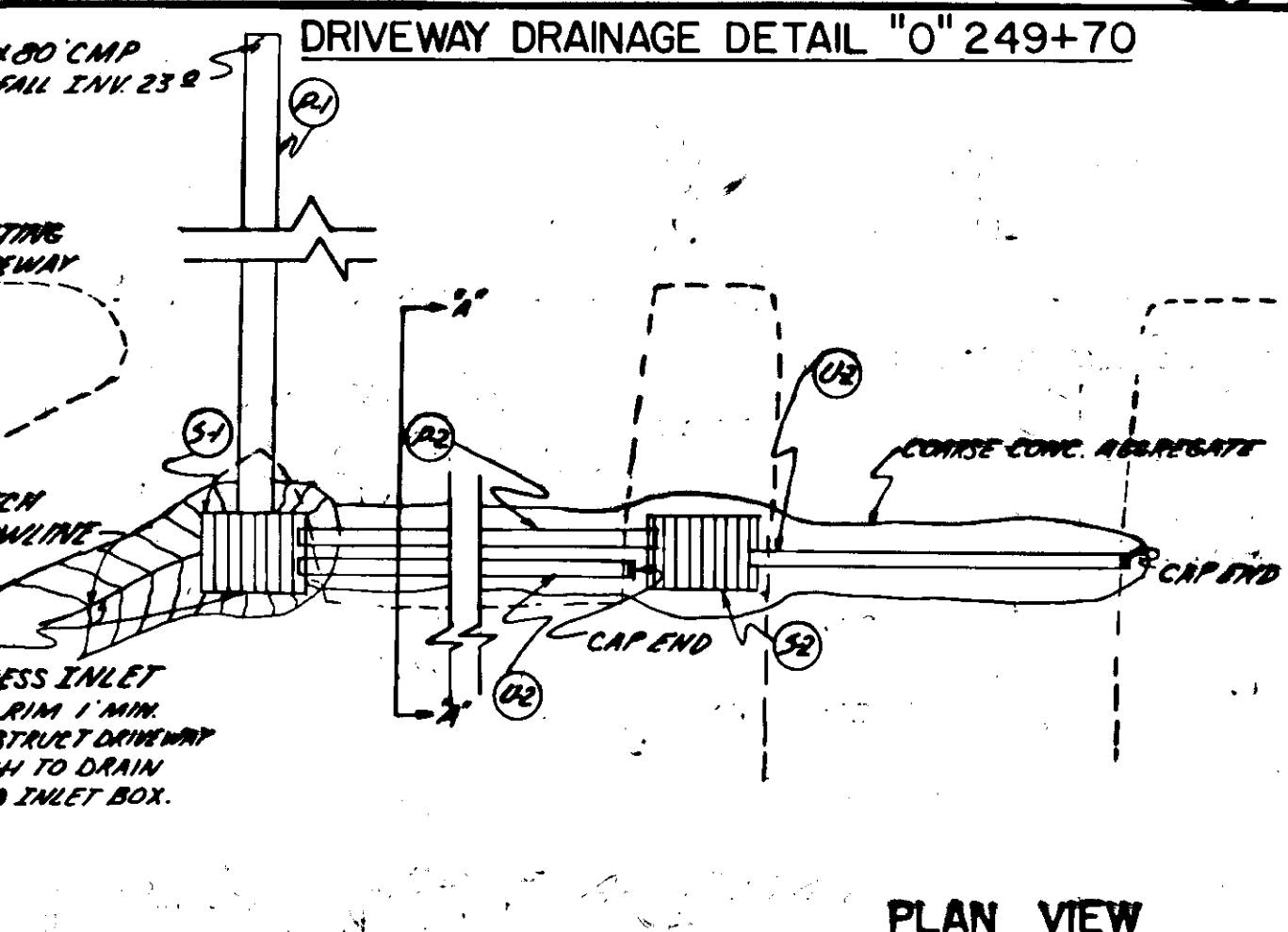
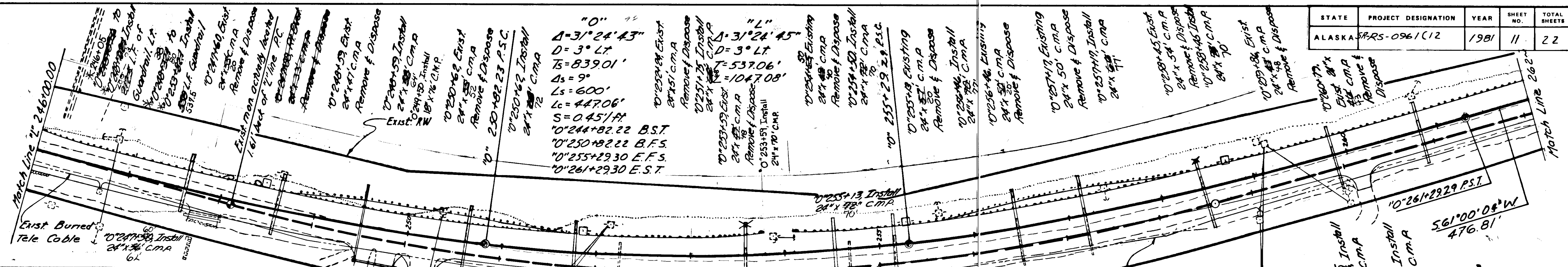
Soil Stabilization Matting
 * Installation of End Anchorage
 Sta 244+59 to Sta 245+00
 Install 10'x41' Stabilization matting.

END PROJECT
 I-F-093-2(10)
BEGIN PROJECT
 SR-RS-0961(12)
 "0" 242+22.73

"L" 233+00 to "0" 235+29.17:
 Embankment = 37 c.y. (Includes 37 c.y. Uncl. Excav. from this Sht.)
 Unclass. Excav. = 379 c.y. (Includes No Waste)
 "0" 242+22.73 to "L" 246+00:
 Embankment = 213 c.y. (Includes 141 c.y. Uncl. Excav. from this Sht. & 72 c.y. from Sht. B)
 Unclass. Excav. = 878 c.y. (Includes 305 c.y. Waste.)



Requires Striping & Signing Only
 See Project I-F-093-2(2)



Drainage Structure Summary

INLET NO.	TYPE	LOCATION STATION	OFFSET	EI. TOP OF STRUCTURE	INLET	OUTLET
S-1	"H"	249+50	36' RT	32.5	28.7	28.0
S-2	"H"	249+96	37' RT	32.1	28.5	29.2

Pipe Summary

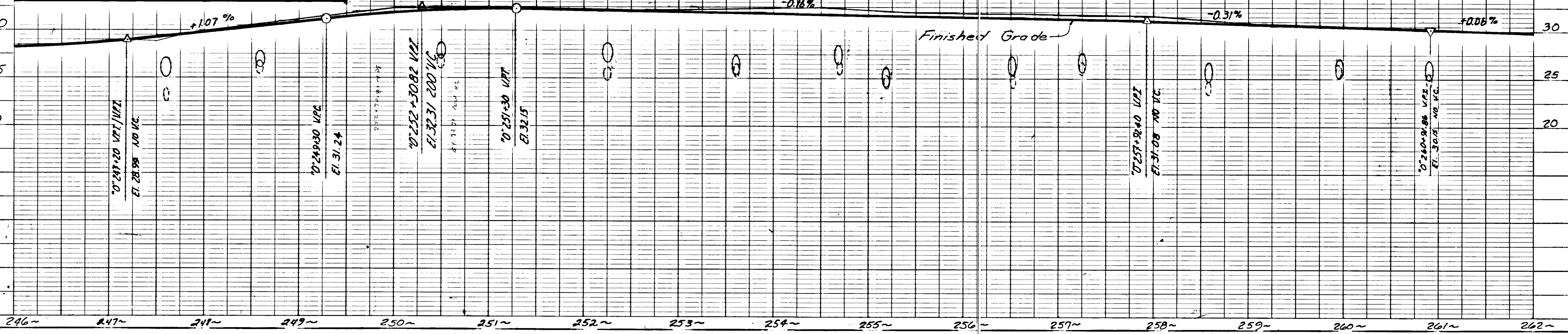
PIPE NO.	PIPE DIA.	PIPE LENGTH	FROM STRUCTURE	INVERT	TO STRUCTURE	INVERT
P-1	18"	80' 7/8"	S-1	28.0	OUTFALL	23.0/25.8
P-2	8"	74' 43"	S-2	28.14	S-1	28.7
U-1	8"	40'	UNDERDRAIN	28.2/29.2	S-1	28.7
U-2	8"	40'	UNDERDRAIN	28.2/30.2	S-2	29.5

Notes:

- 1) Estimated quantity porous backfill material = 34 c.y.
- 2) Type 6-9 gutter grate to be used on both inlet structures.

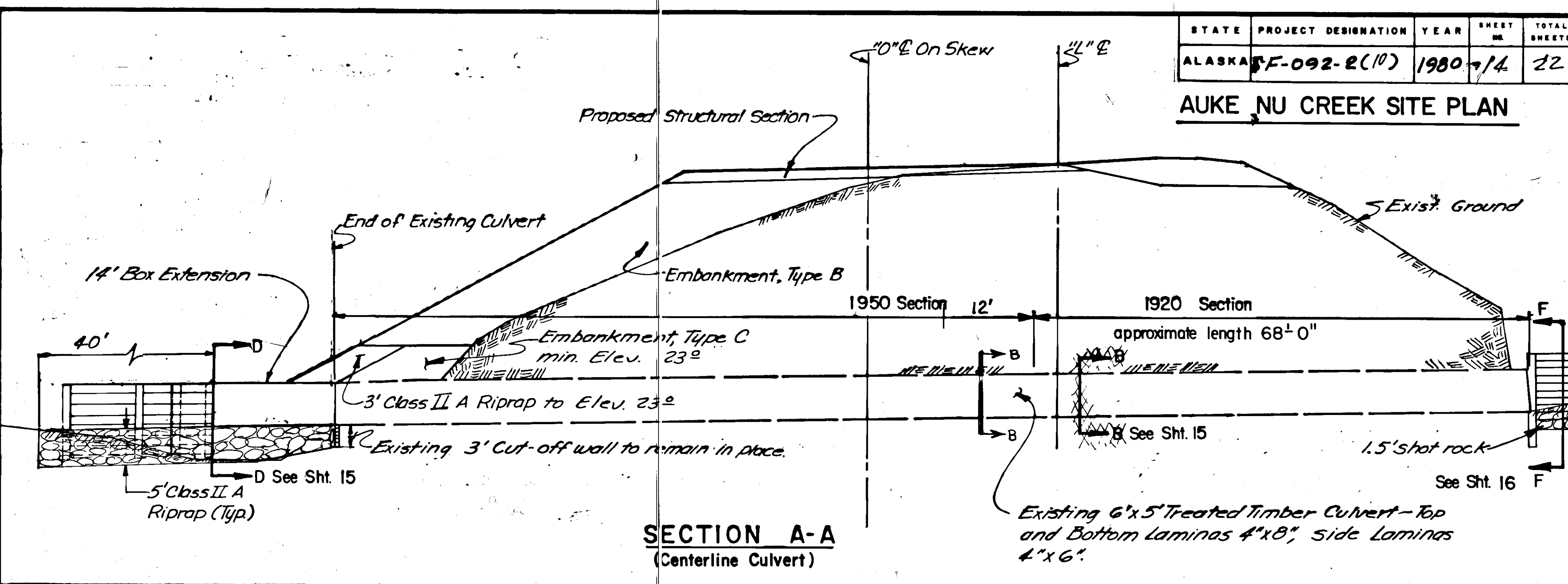
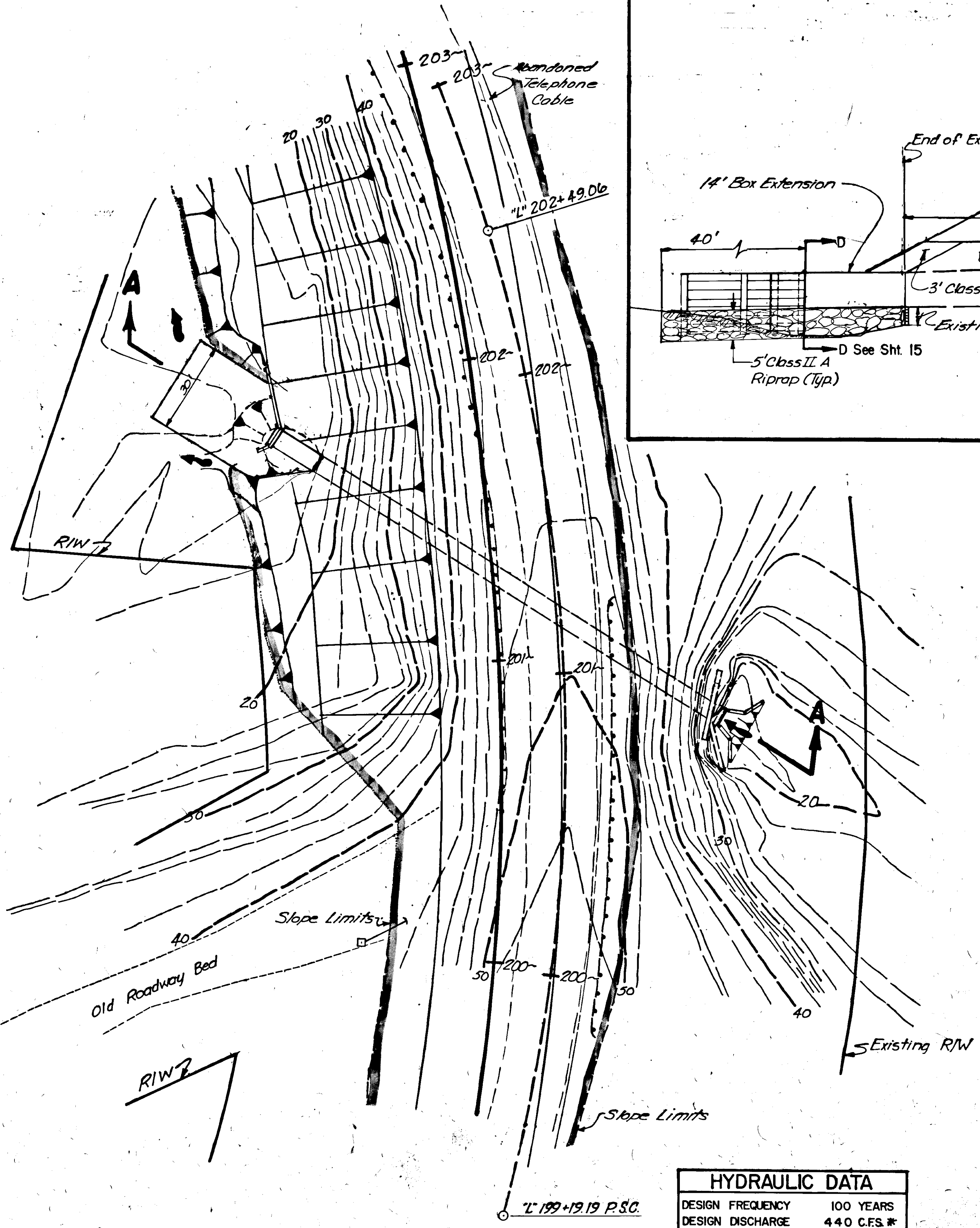
T.B.M. #1 - High point on 4' x 4' x 4' Boulder 86' Lt. @ Sta. 255+22

* Installation of end anchorage
 Embankment = 6,187 c.y. (Includes 2,369 c.y. Und. Exc. from this sht., 438 c.y. Und. Exc. from Sht. 10, 48 c.y. Und. Exc. from Sht. 12, & 3,438 c.y. Und. Exc. from Sht. 8) Und. Exc. = 2,448 c.y. (Incl. 179 c.y. waste)



STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	F-092-2(10)	1980	14	22

AUKE NU CREEK SITE PLAN



SECTION A-A
(Centerline Culvert)

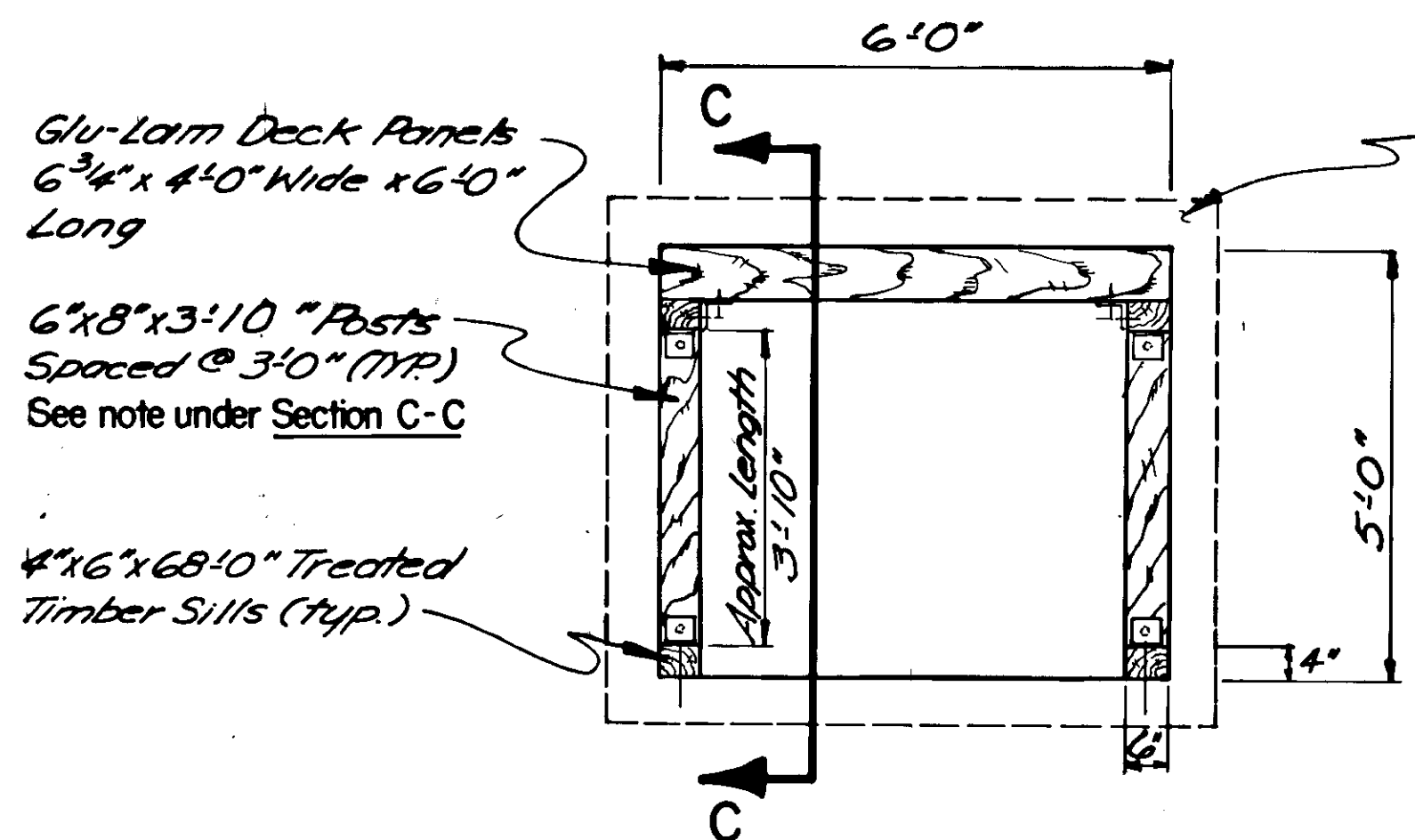
NOTES

1. Partial As Built Plans of the existing Auke Nu Creek Culvert are available for inspection in the Design Office of the Southeast Region, 7 Mile Glacier Highway.
2. If the contractor damages the existing box culvert during the placement and/or compaction of riprap or embankments, he shall repair all damaged sections as directed and at his cost.
3. See Sheet 16 for Estimate of Quantities.
4. All angles, bolts, nuts, washers and spikes shown on Sheets 15 and 16 shall be galvanized after fabrication.
5. All drilling required on the Glu-Lam panels and timbers used in shoring up the 1920 section of existing culvert shall be field drilled. All field drilled holes and cuts shall be treated in accordance with AWP-114. +12 additional feet of the 1950 section
6. All drilling required on the Glu-Lam panels used on the 14' extension shall be shop drilled and treated in accordance with AWP-114.
7. Dual treatment of all timbers & Glu-Lam panels detailed on Sheet 15 and 16 shall be required. Timbers shall be treated in accordance with AWP-C14, Glu-Lam panels shall be treated in accordance with AWP-C28 "Treatment of Individual Laminations Before Gluing".

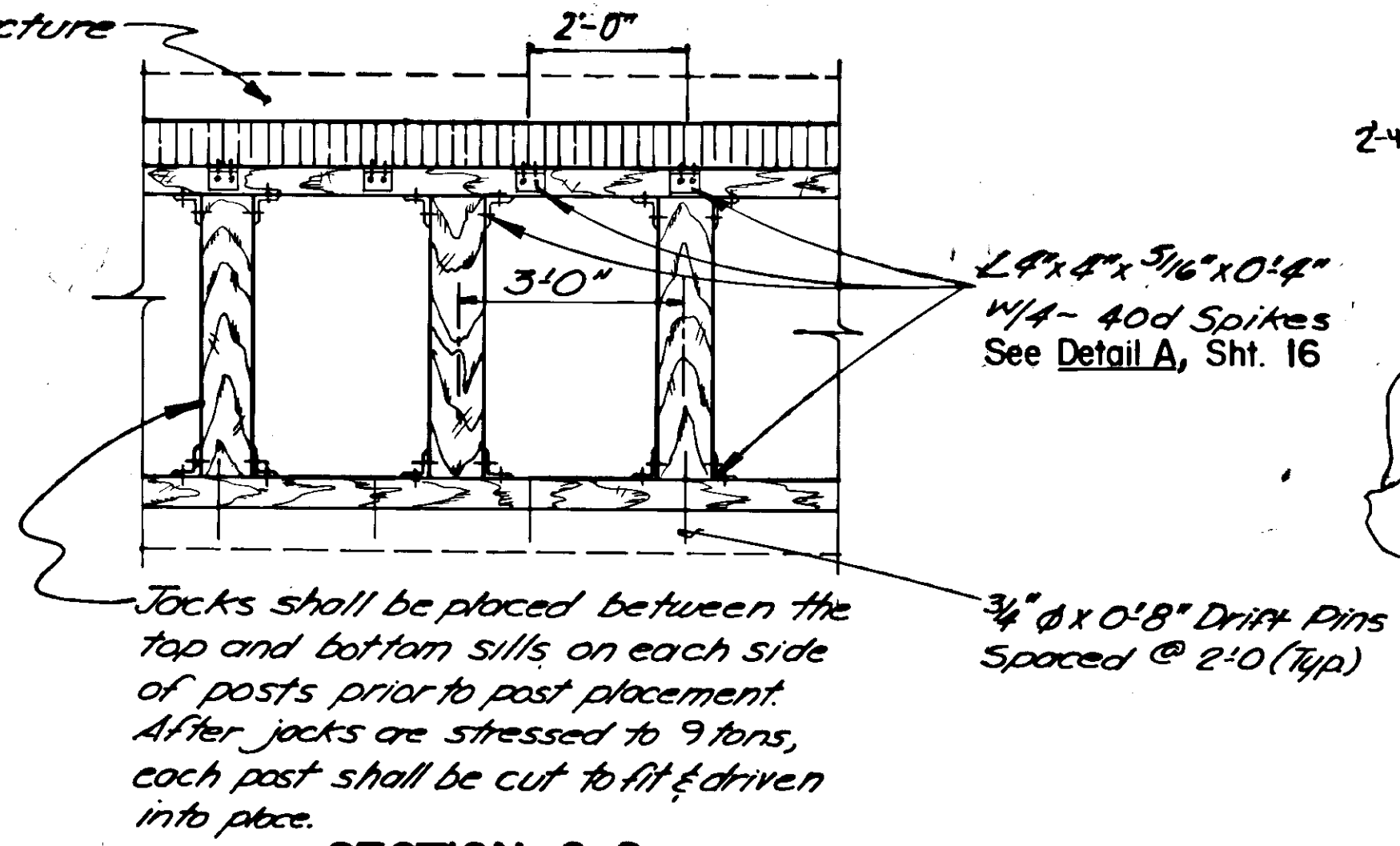
HYDRAULIC DATA	
DESIGN FREQUENCY	100 YEARS
DESIGN DISCHARGE	440 C.F.S.*
* WHEN TAIL WATER = ELEV. 24.92	

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	FF-093-2(10)	1981	15	22

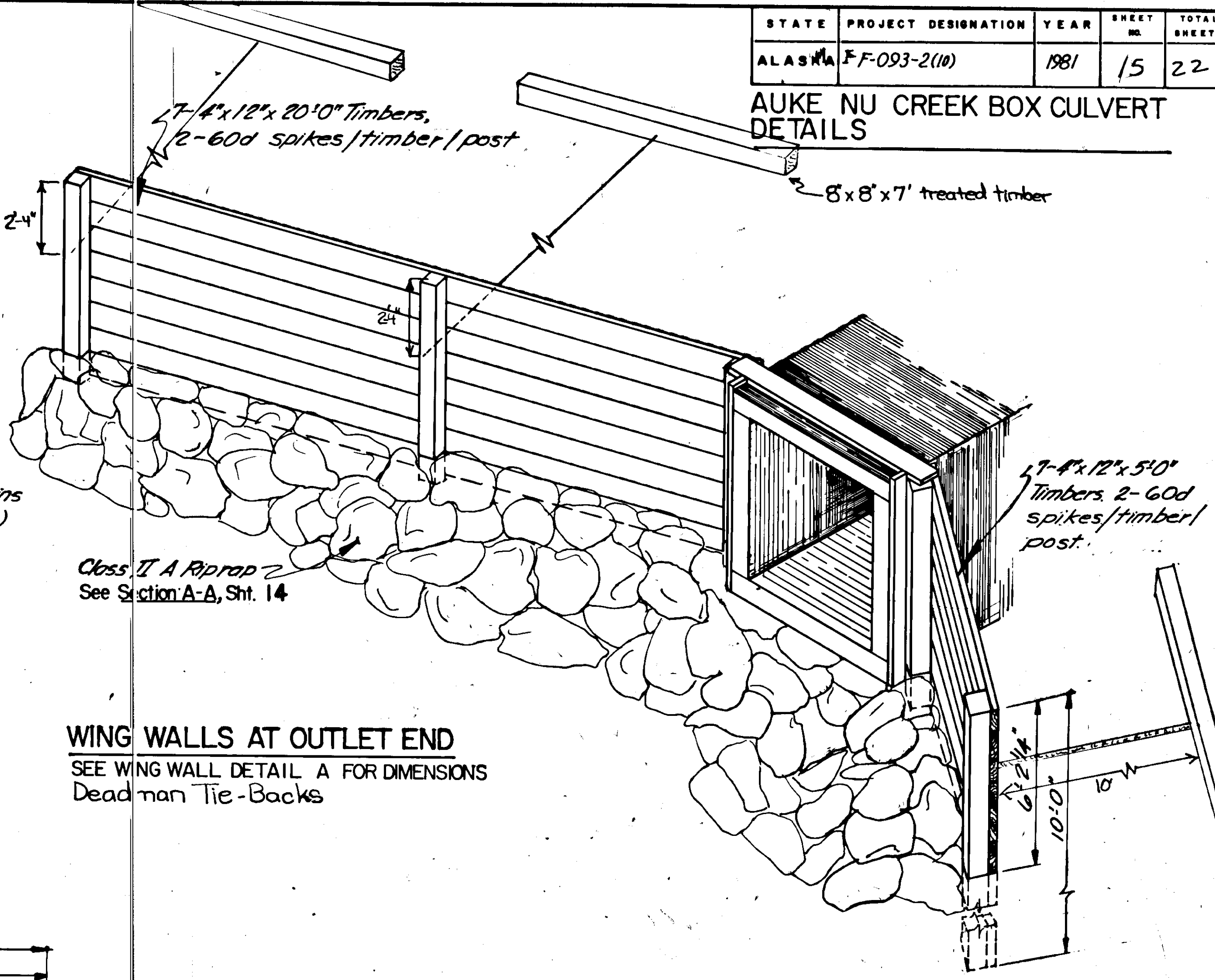
AUKE NU CREEK BOX CULVERT DETAILS



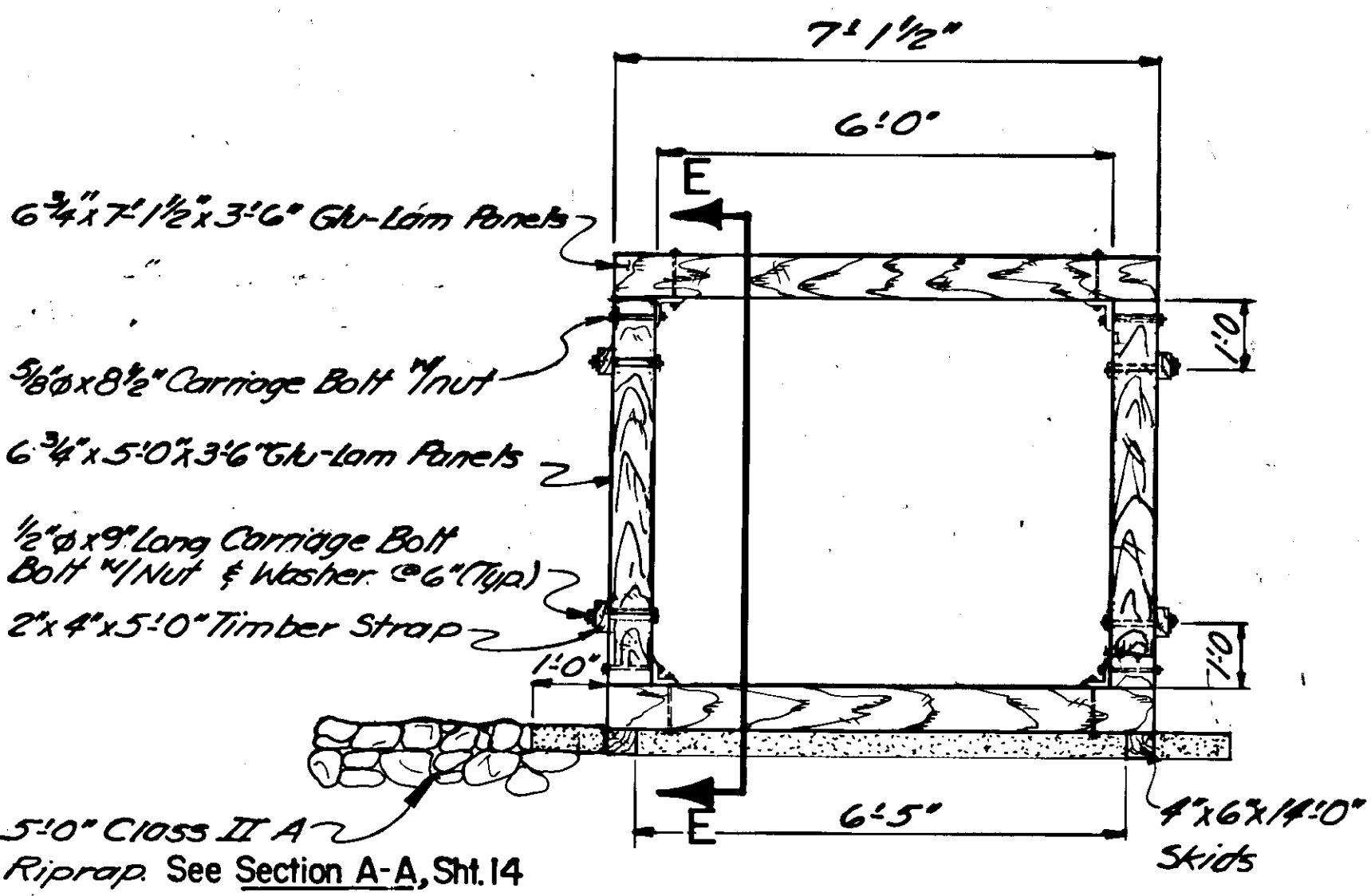
SECTION B-B



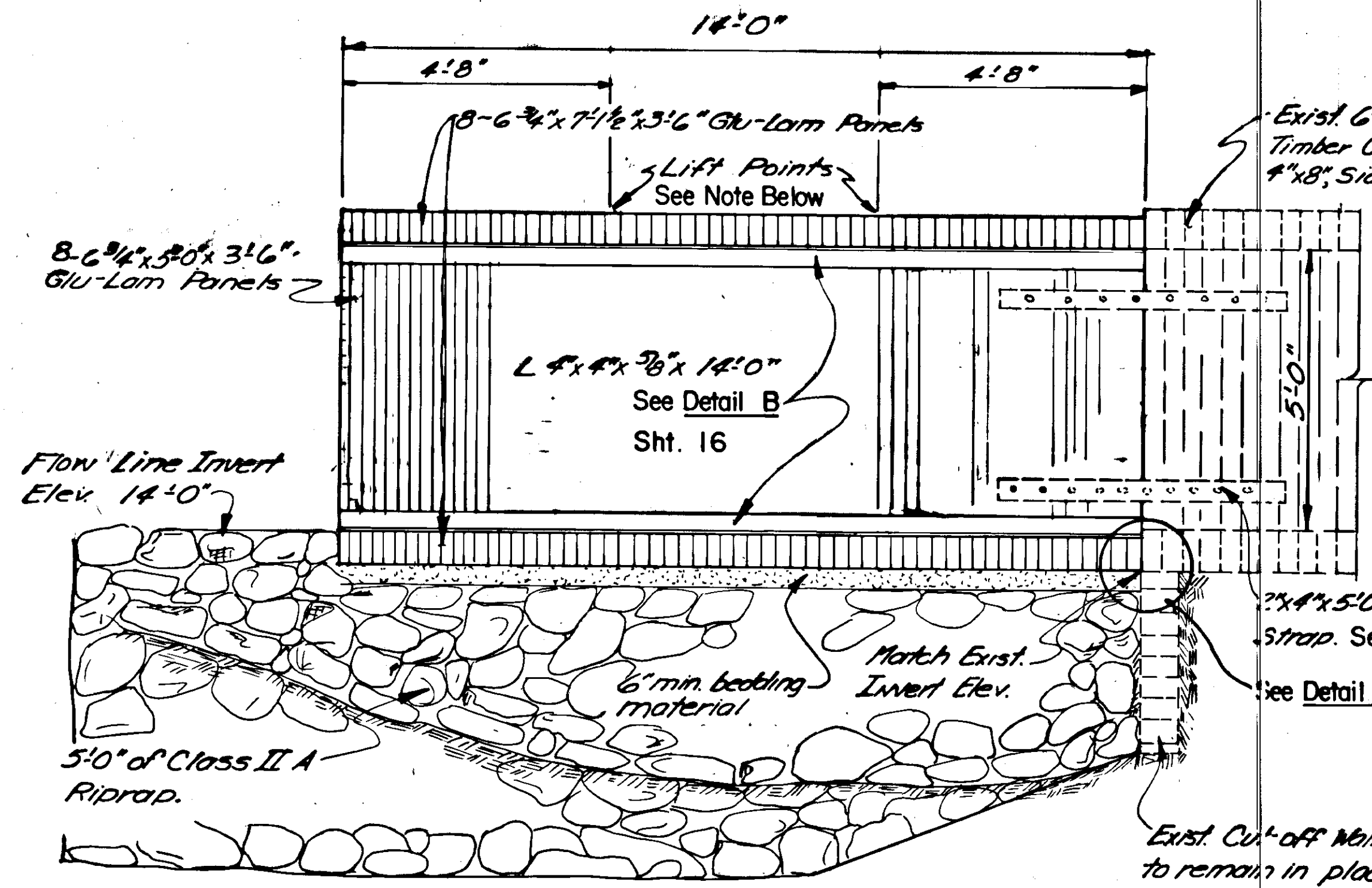
SECTION C-C



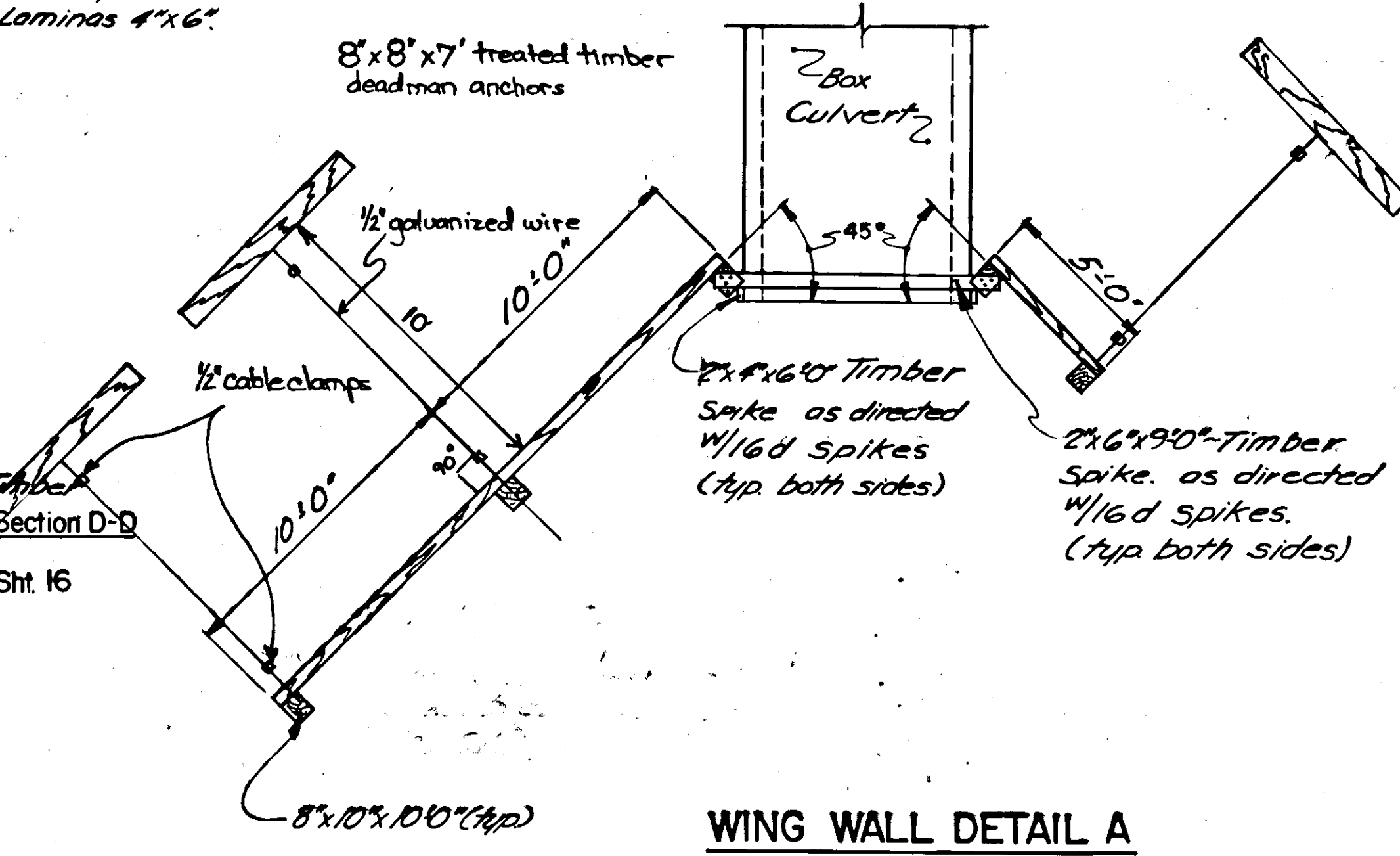
WING WALLS AT OUTLET END
SEE WING WALL DETAIL A FOR DIMENSIONS
Deadman Tie-Backs



SECTION D-D



SECTION E-E



WING WALL DETAIL A

NOTE:
If the contractor's method of placement for the entire 7'-1 1/2" x 6'-1 1/2" x 14'-0" structure requires it to be lifted it shall be slung at the locations detailed above.

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	F-093-2 (10)E	1981	16	22
	RS-0961 (12)			

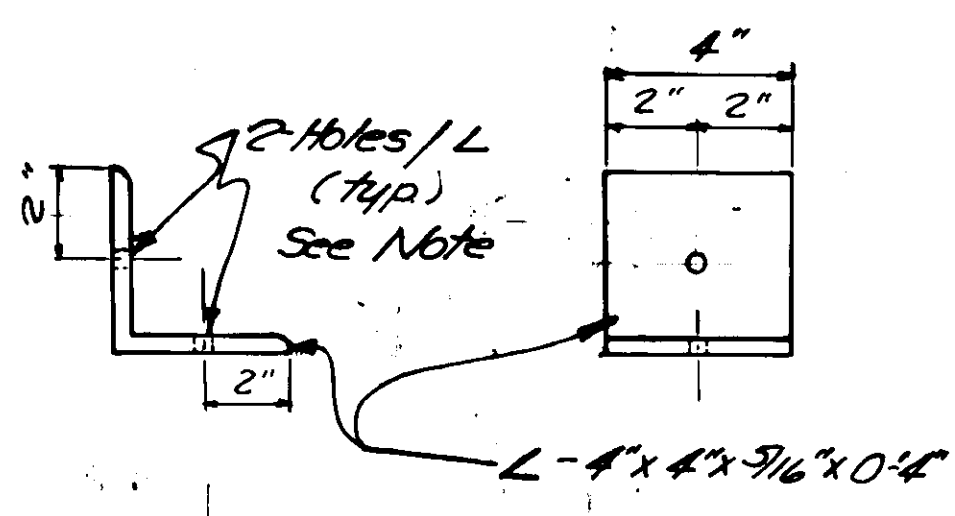
AUKE NU CREEK BOX CULVERT DETAILS

ESTIMATE OF QUANTITIES CULVERT SHORING

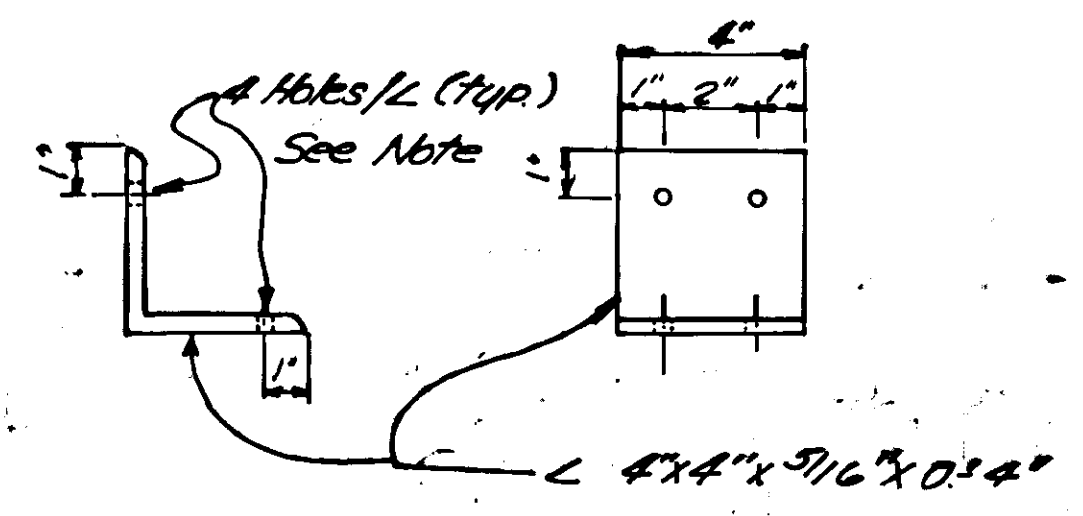
ITEM	QUANTITY
Glu-Lam Panel	4.35 MBM
Treated Timber	1.25 MBM
Treat. Timber (Wing Walls)	3.98 MBM
Angles 4x4x3/8x10	54 FT.
Drift Pins 3/8x8	24 FT.
Spikes-60d	15.0 Lbs.
Spikes-40d	36 Lbs.
Spikes-16d	3 Lbs.
Shot Rock	7.0 Yds.

ESTIMATE OF QUANTITIES FOR CULVERT EXTENSION

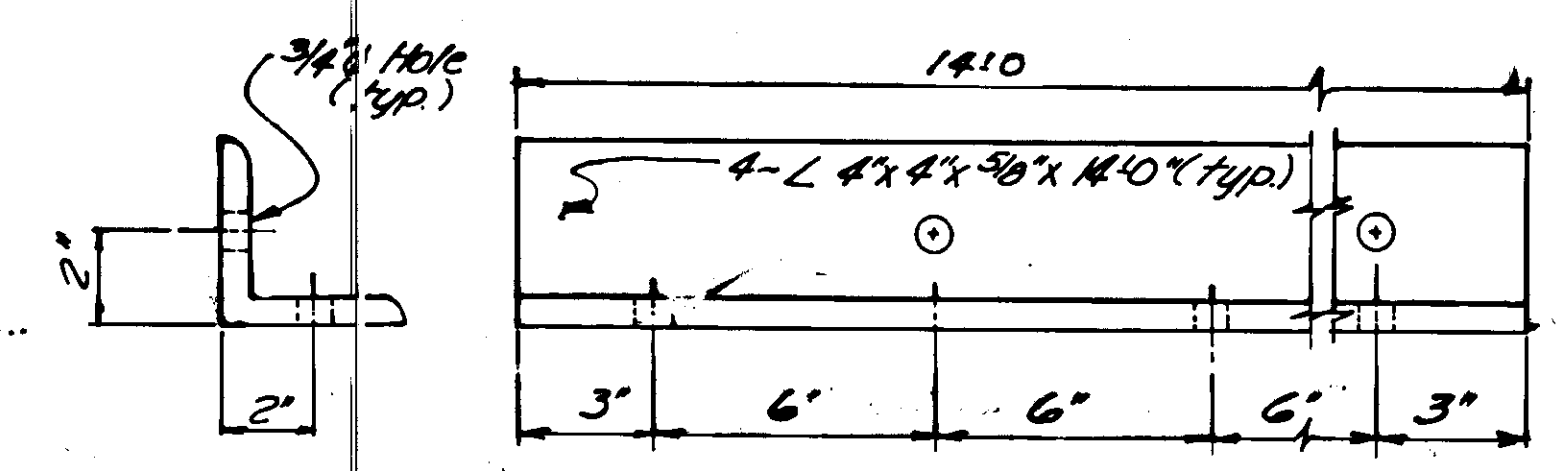
ITEM	QUANTITY
Glu-Lam Panels	3.81 MBM
Treat. Timber (Wing Walls & Dracing)	1.10 MBM
Spikes-16d	0.5 Lbs.
Spikes-60d	6.5 Lbs.
Bolts-1/2" x 9"	17.4 Lbs.
Bolts-3/8" x 8 1/2"	23.5 Lbs.
Unclass. Excavation	197 C.Y.
Class II A Fill	260 C.Y.
Bedding Material	1.5 C.Y.
Angles-4x4x3/8x10	56 FT.



ALTERNATE DETAIL A

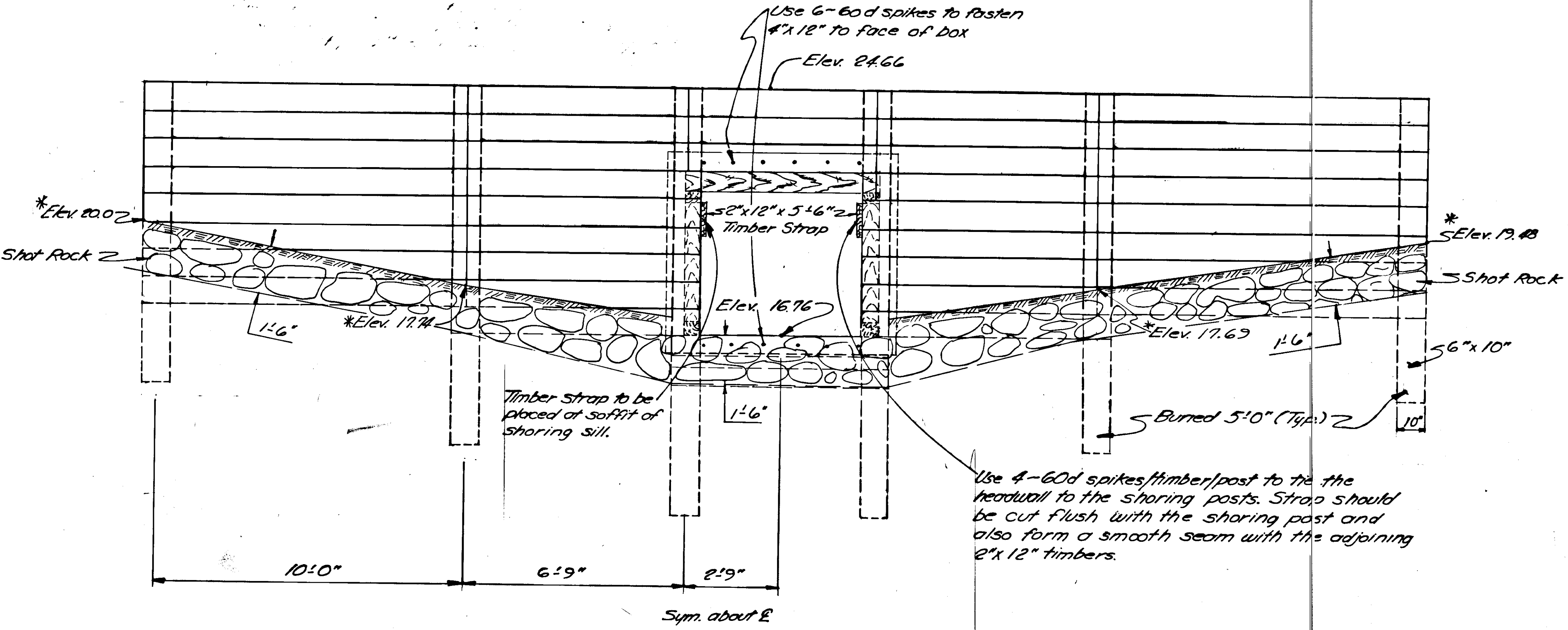


DETAIL A



DETAIL B

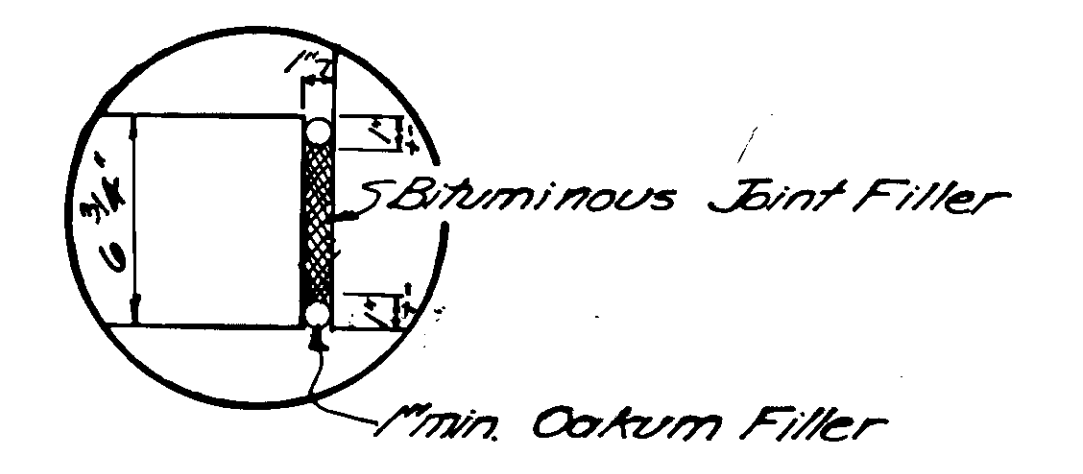
NOTE:
The contractor, at his option, may use either 4-40d spikes or 2-3/4"x5" long log bolts to fasten the angles to their respective members. All angle fabrication will be done prior to Galvanization, and fastener holes shall not exceed the diameter of the spike/log bolt diameter by more than 1/8". All fasteners should be installed into pre-bored holes to prevent the wood from splitting. Pre-boring information for spikes and logs can be found in tables 5.9 and 5.10 respectively of the A.I.T.C. "Timber Construction Manual," Second Edition.



SECTION F-F

WING WALLS AT INLET END

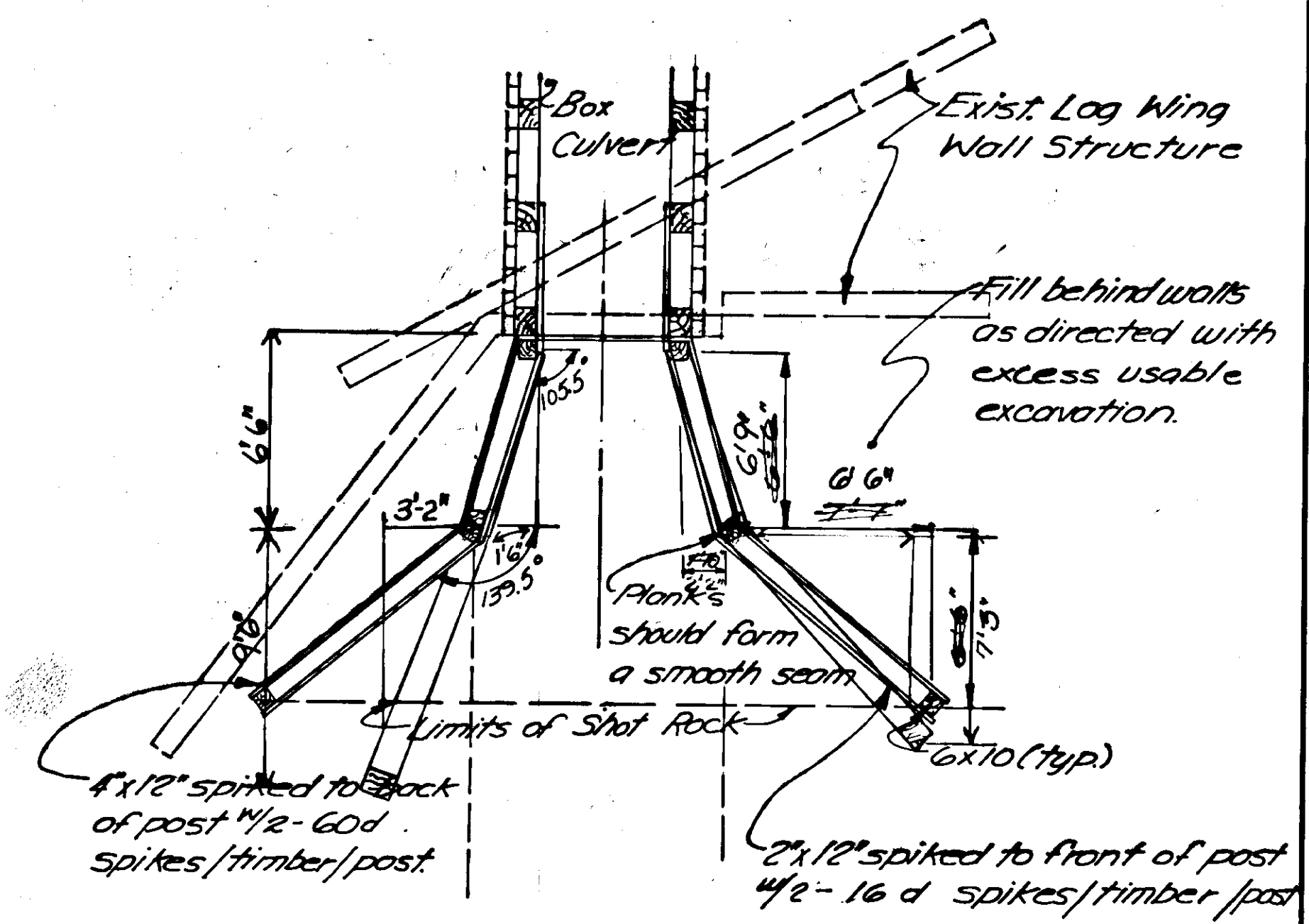
SEE WING WALL DETAIL B FOR DIMENSIONS



DETAIL C

Use 4-60d spikes/timber/post to tie the headwall to the shoring posts. Strap should be cut flush with the shoring post and also form a smooth seam with the adjoining 2"x12" timbers.

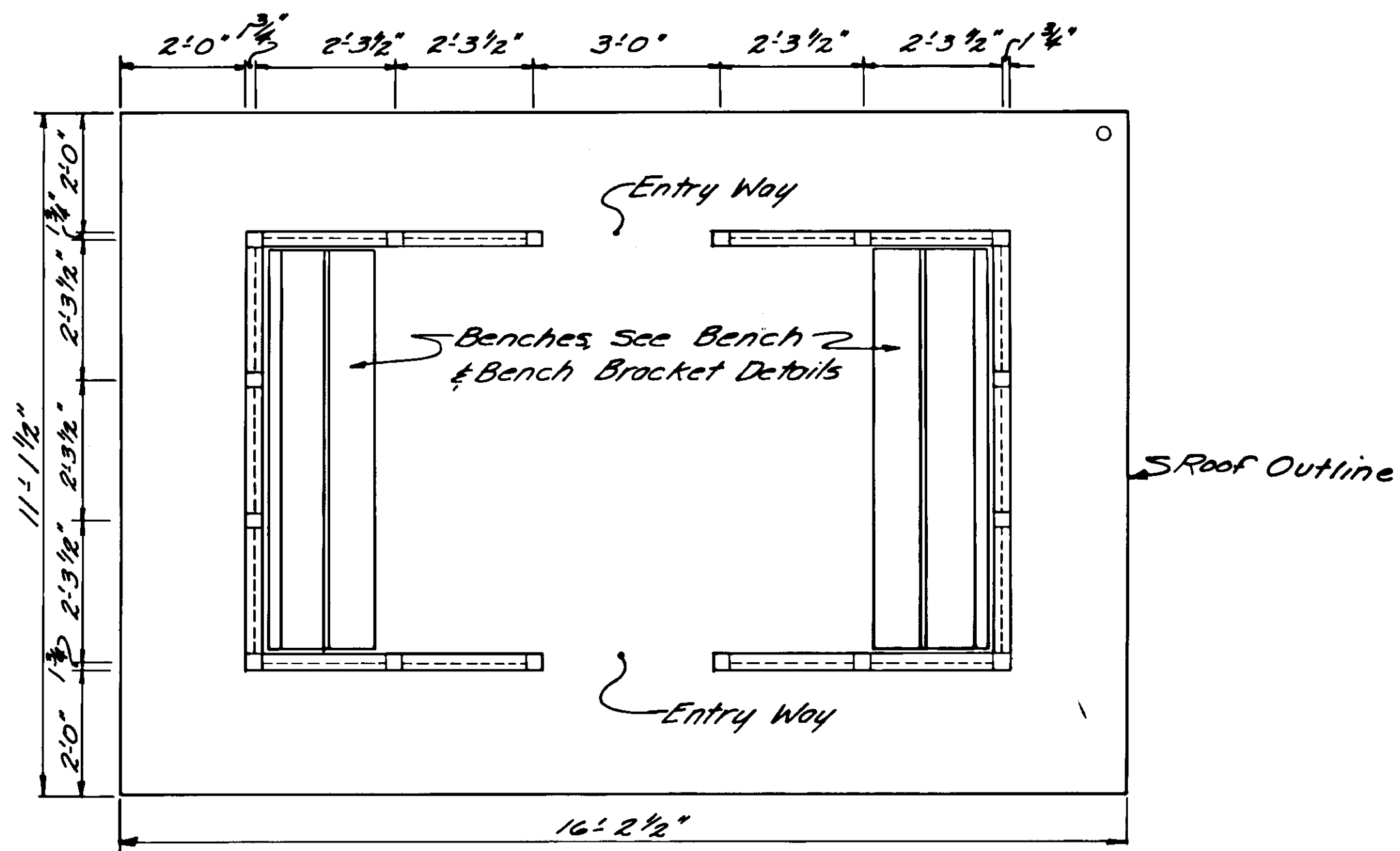
* Indicate Approximate Existing Ground Elevations.



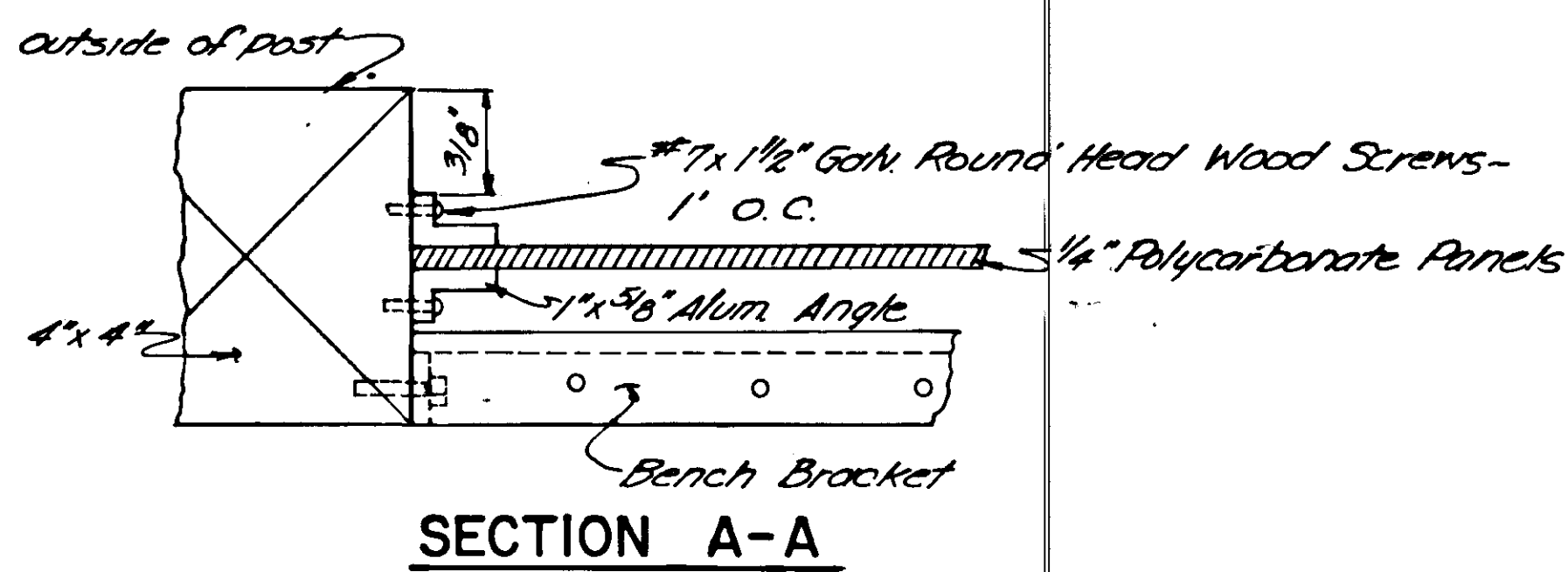
WING WALL DETAIL B

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	RRS-0961(12)	1981	17	22

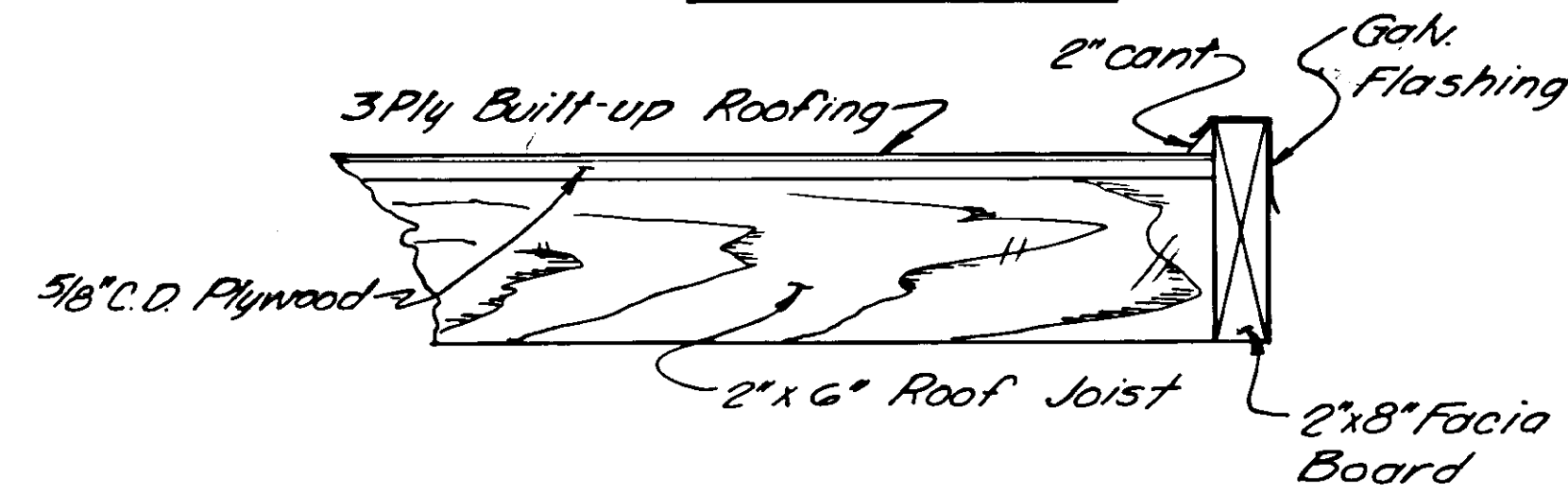
BUS SHELTER



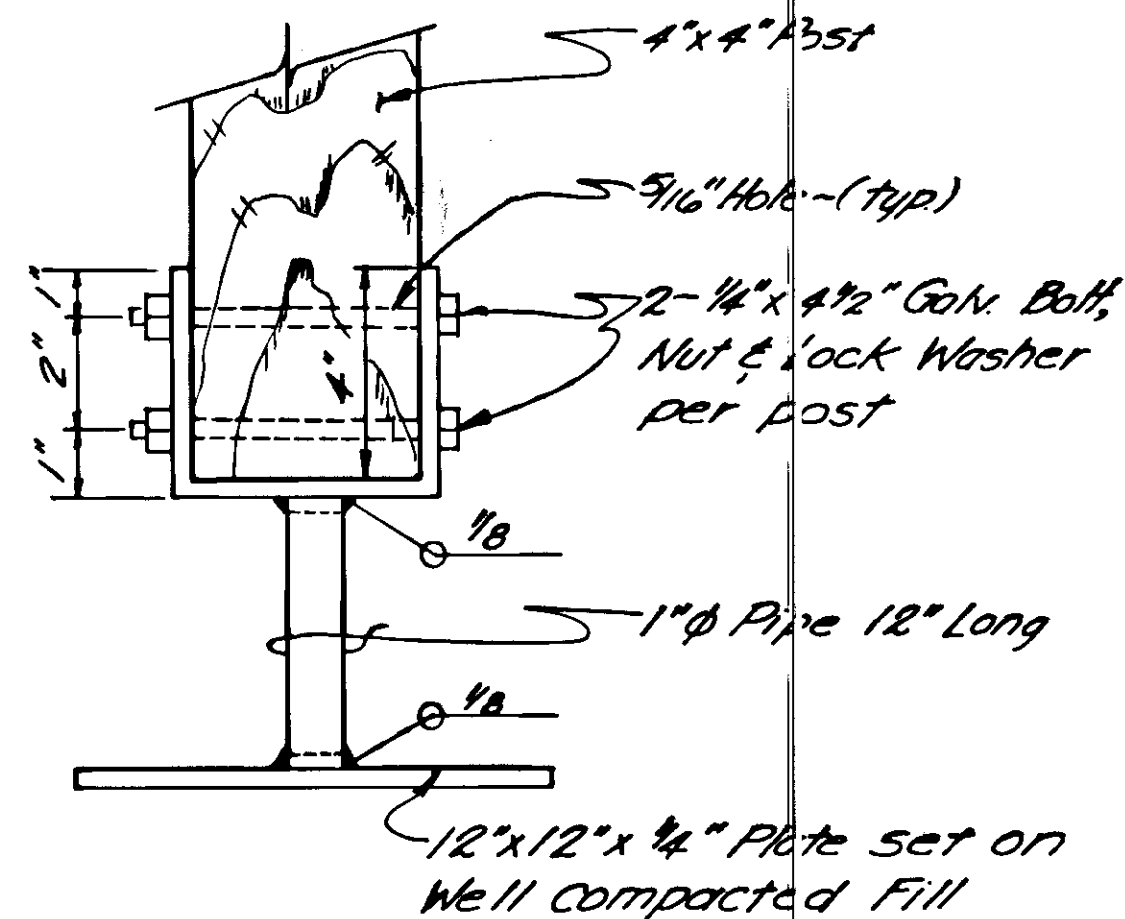
PLAN VIEW



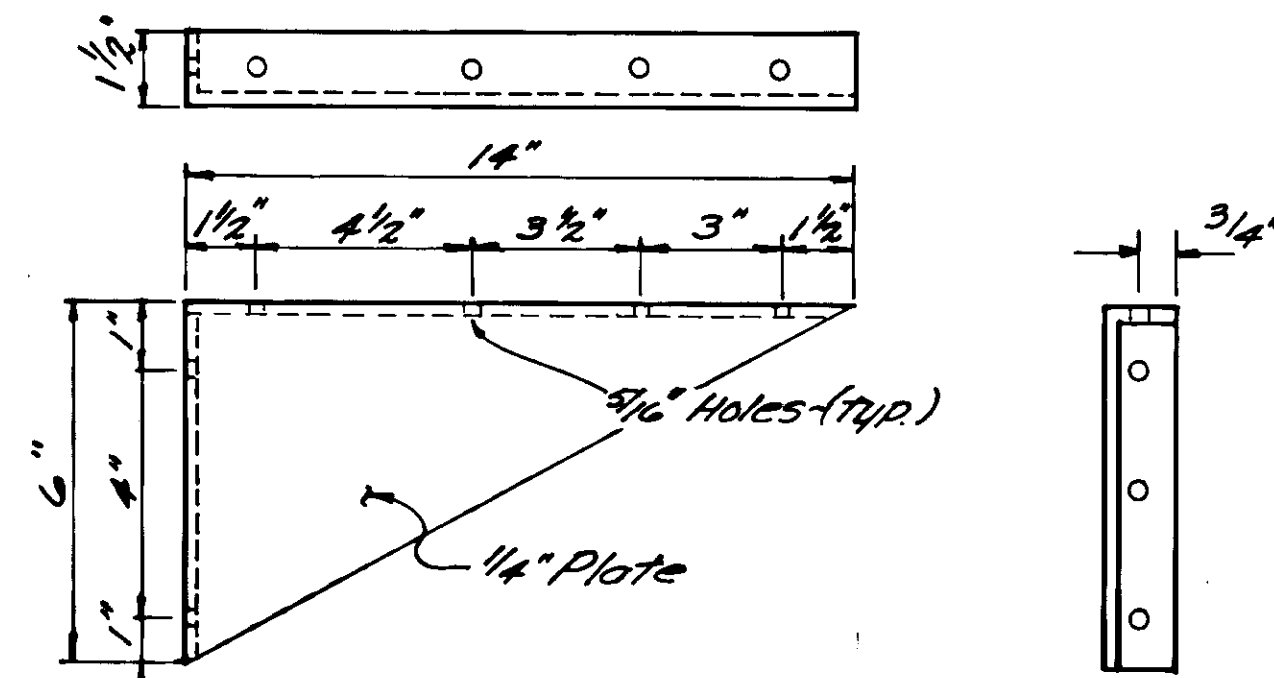
SECTION A-A



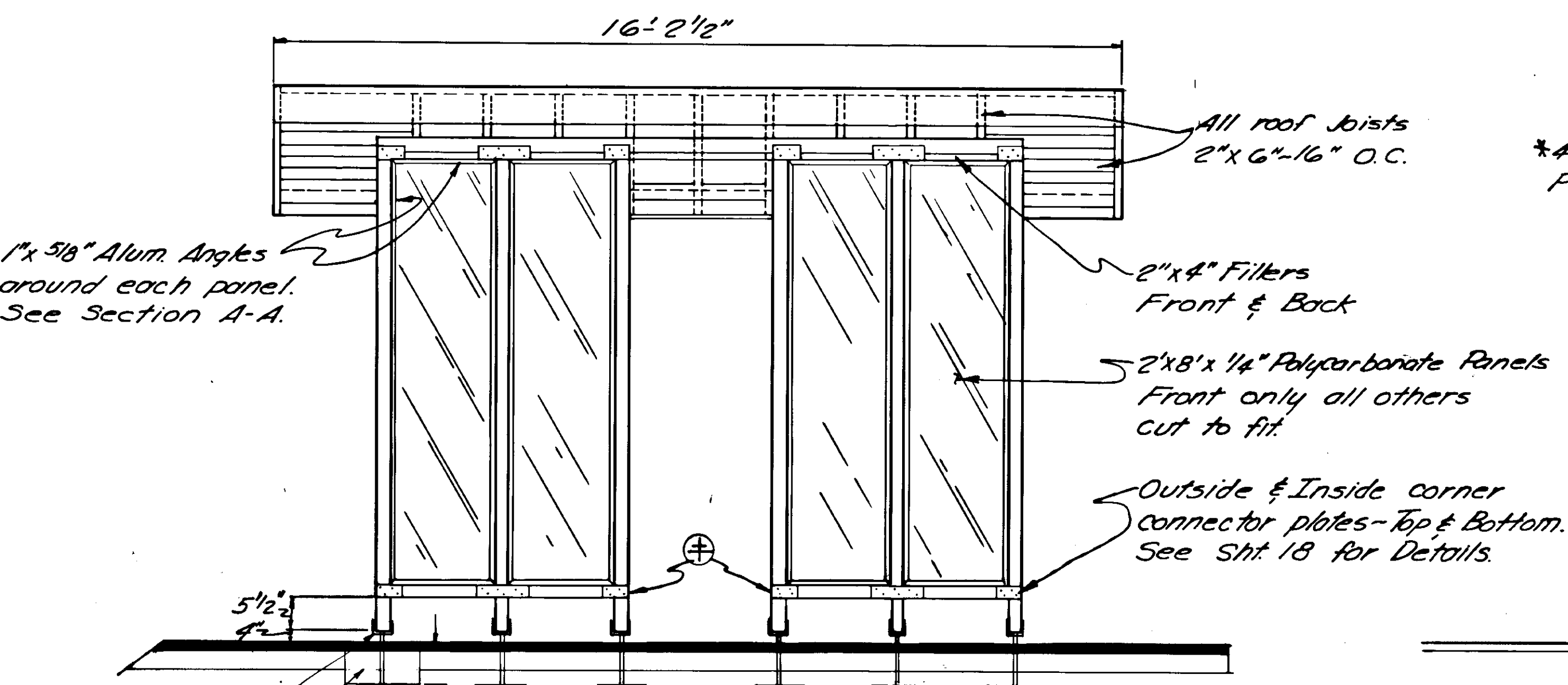
ROOF DETAIL



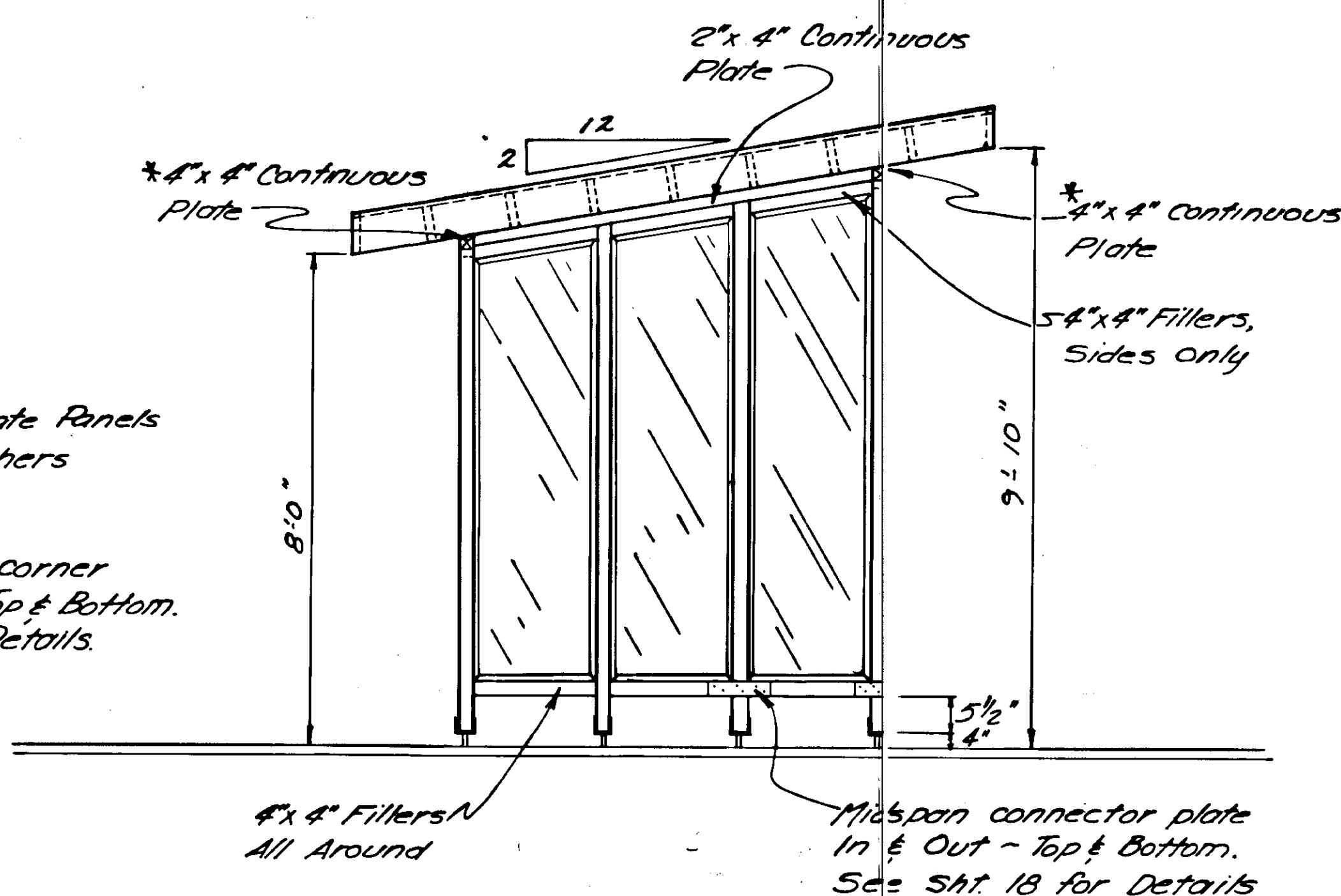
POST SUPPORT DETAIL



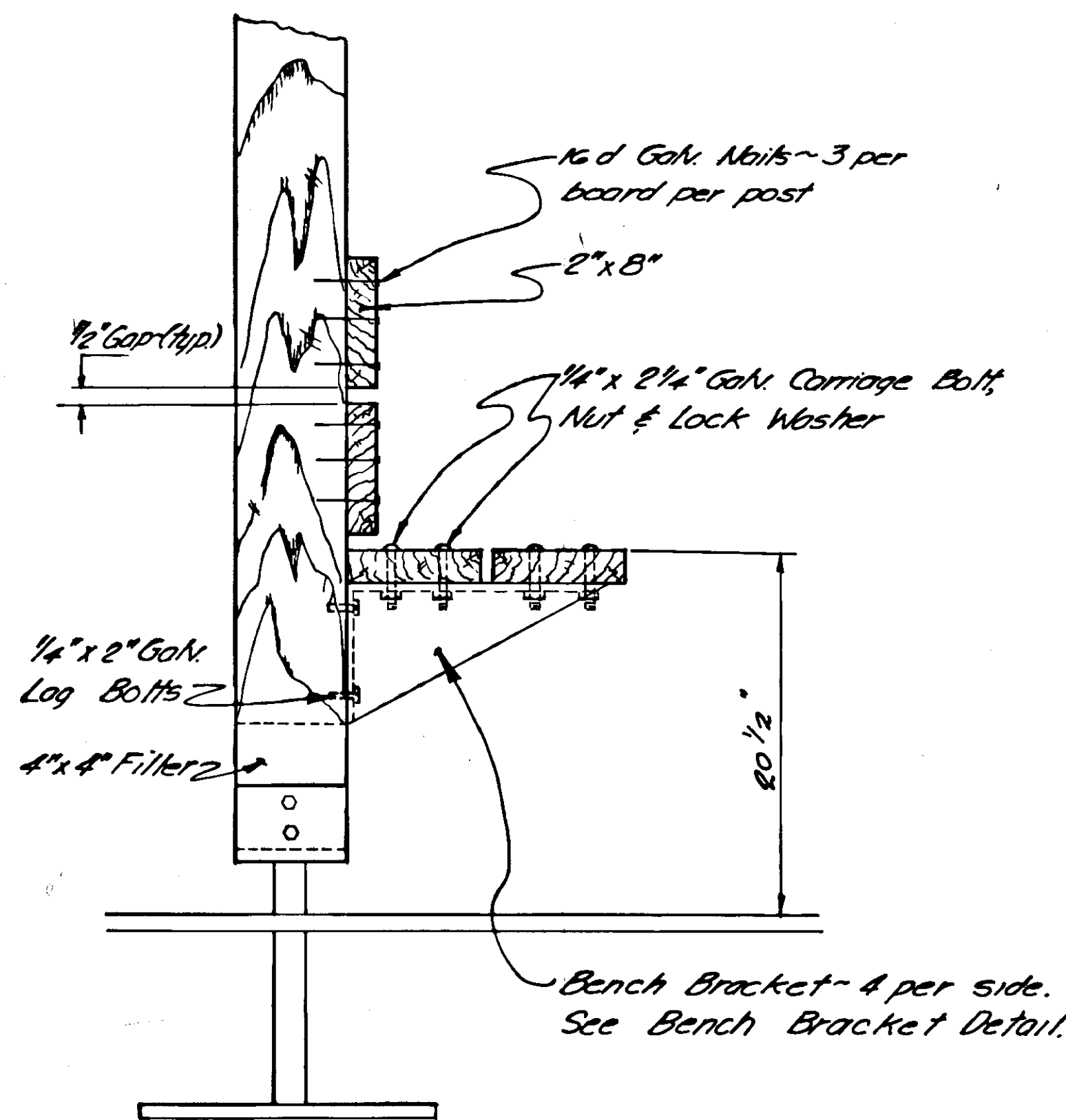
BENCH BRACKET DETAIL



FRONT VIEW



SIDE VIEW



BENCH DETAIL

5 1/2\"/>

16\"/>

8\"/>

Backfill material for post supports shall be Class W concrete.

Post supports shall be installed after pad paving is completed.

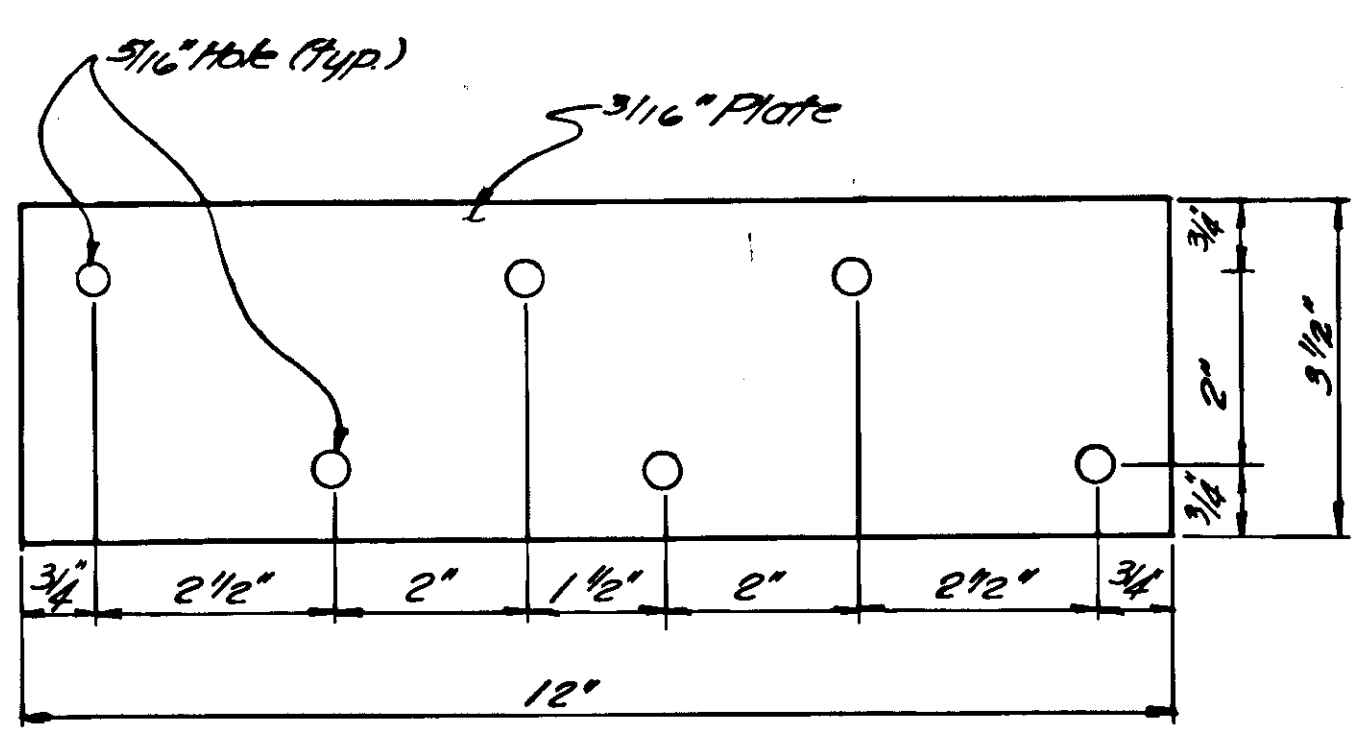
⊕ Outside Corner Connector Plate In & Out, Top & Bottom.

*Notch ends of 4\"/>

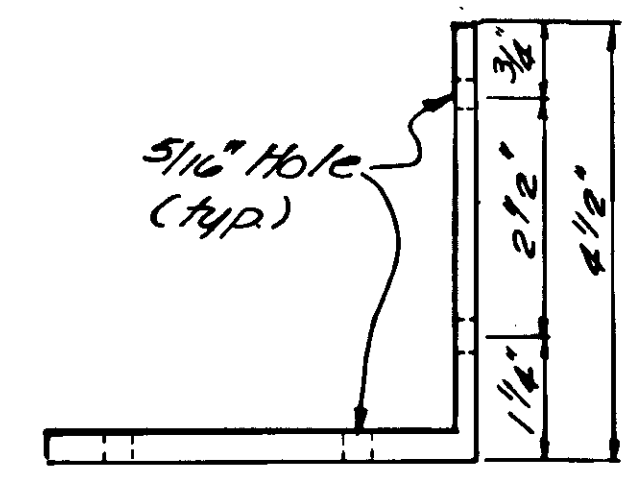
Bench Bracket - 4 per side. See Bench Bracket Detail.

BUS SHELTER

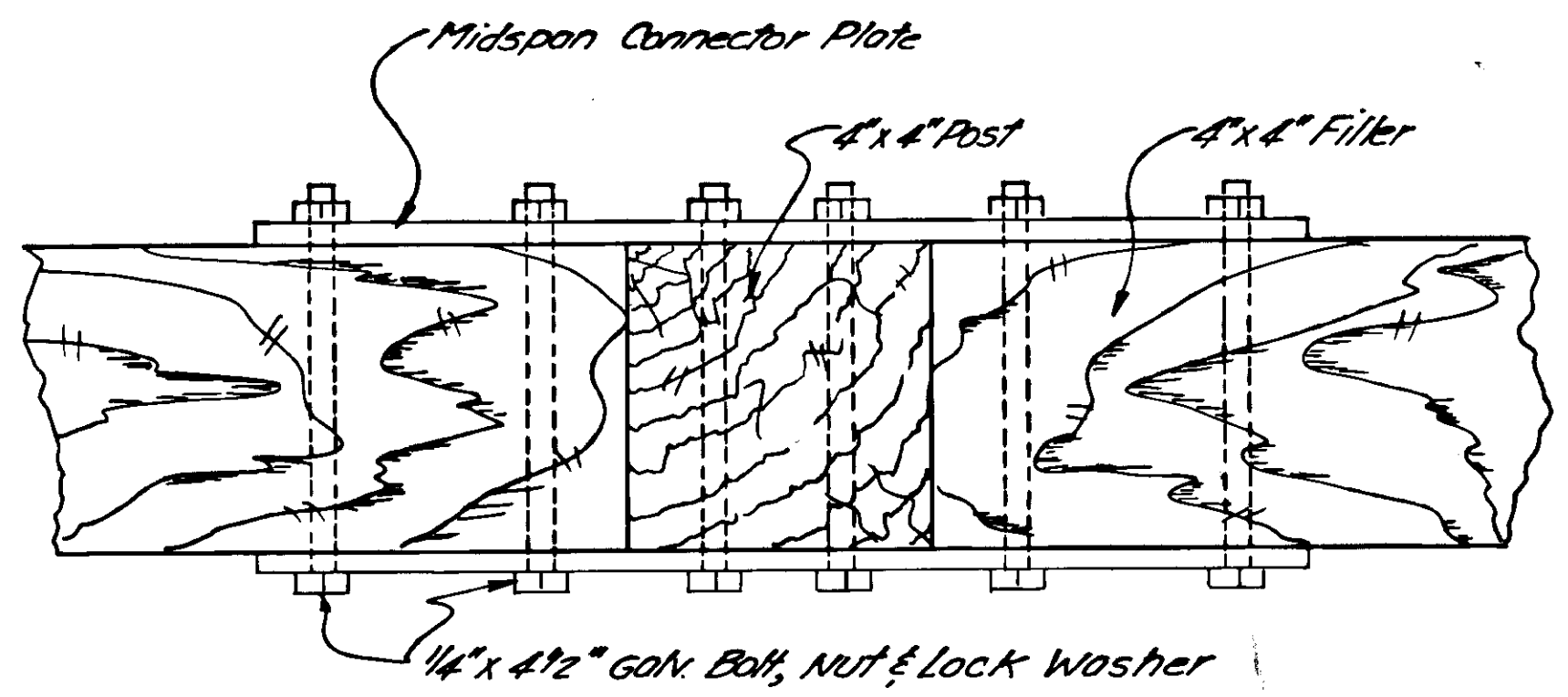
ITEM	AMOUNT
Post Supports	16 ea.
1/4" x 4 1/2" Galv. Bolts, Nuts & Lock Washers	192 ea.
4" x 4"	272 B.M.
2" x 4"	40 B.M.
2" x 6"	150 B.M.
2" x 8"	154 B.M.
4' x 8' x 3/8" C.D.X Plywood	6 Shts.
15 lbs Roof Felt	1-600 sq. roll
Tar	2-100# Blocks
Galv. Flashing	60 L.F.
4' x 8' x 1/4" Clear Polycarbonate	7 Shts.
1" x 3/8" x 1/2" Alum. Angle	560 L.F.
3 1/2" x 12" Midspan Connector Plates	8 ea.
3 1/2" x 8" Outside Corner Connector Plates	12 ea.
Inside Corner Connector Brackets	8 ea.
Bench Brackets	8 ea.
1/4" x 2" Galv. Lag Bolts	48 ea.
1/4" x 2 1/4" Galv. Carriage Bolts, Nuts & Lock Washers	32 ea.
#7 x 1 1/2" Wood Screws	672 ea.
1 1/2" Roof Drain	1 ea.



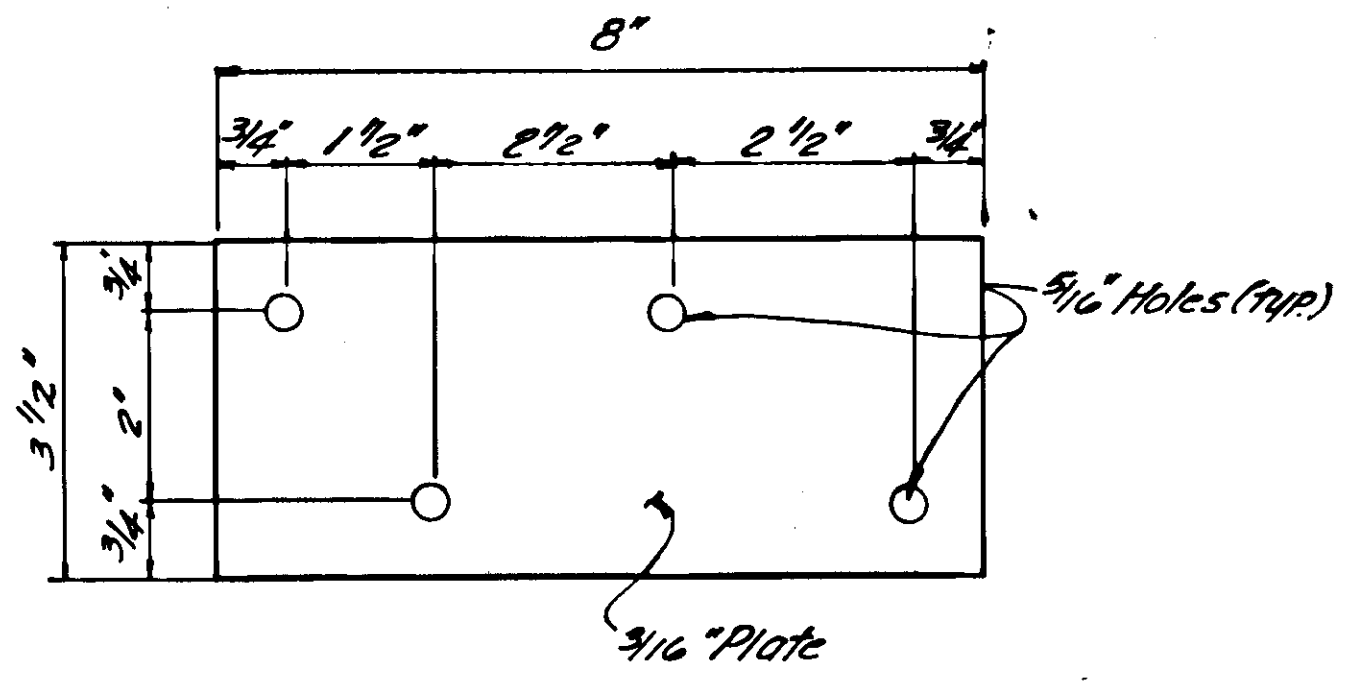
MIDSPAN



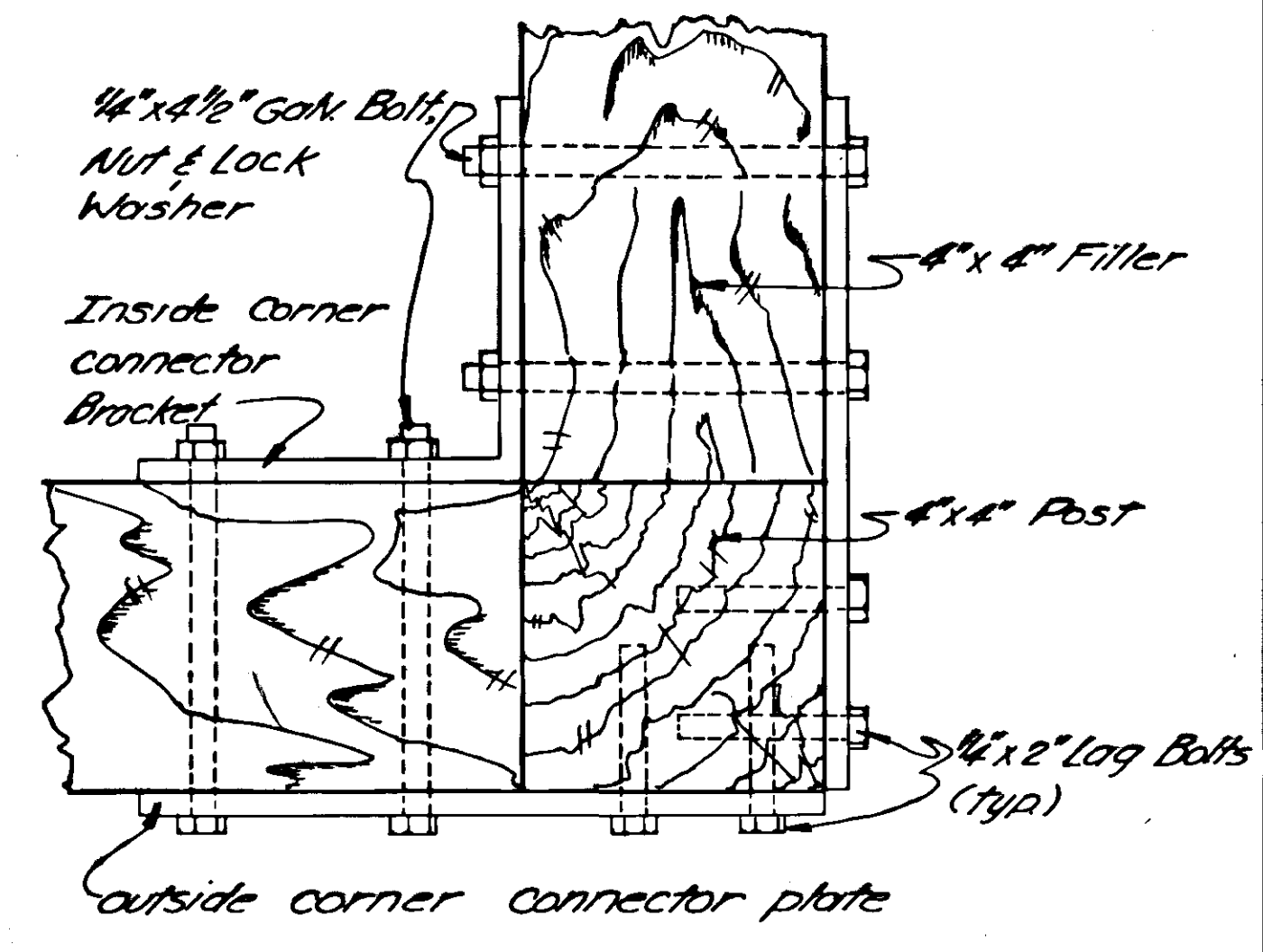
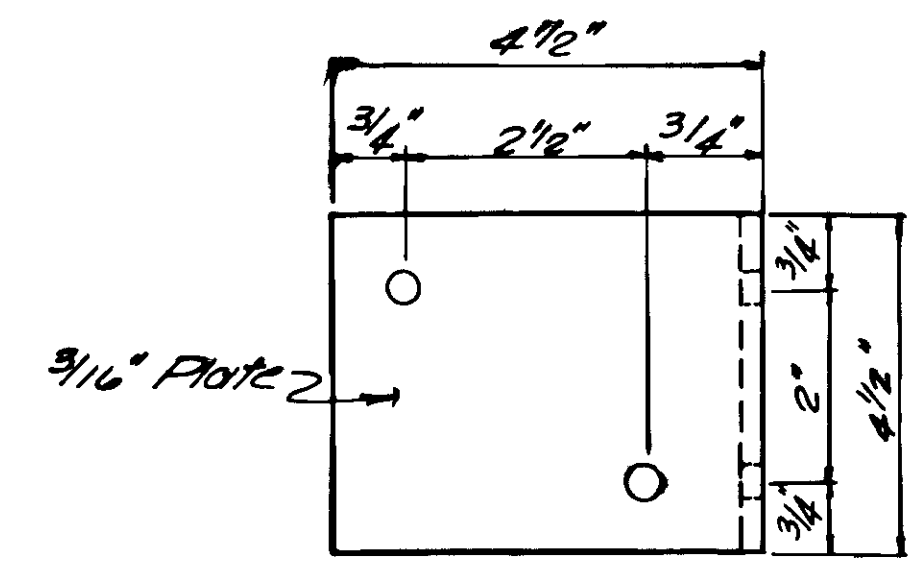
INSIDE CORNER



CONNECTOR PLATE DETAIL



OUTSIDE CORNER AND ENTRY WAY



GENERAL NOTES

1. Post Supports, Bench Brackets & Connector Plates shall be shop fabricated and receive two coats of metal paint prior to installation.
2. All lumber shall be S-F-S, Douglas Fir or Hemlock, Construction Grade No. 1 or better.
3. Sizing of the Polycarbonate panel for expansion, shall be in accordance with the manufacturer's specification.
4. All wood shall be stained with linseed oil base semi-transparent stain. Stain specifications, manufacturer's application recommendations and color samples shall be submitted for the approval of the engineer prior to application of any stain.

SIGNING SCHEDULE

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	FF-093-2(10) RS-0961 (12)	1981	19	22

SIGNING SCHEDULE

No.	Station	Dist. from C.		Code No.	Legend	Sign Panel Thickness			# Post				Facing Traffic	Remarks	
		Lt.	Rt.			Size	Unframed	Framed	Area S.F.	No. Of Posts	Type	Size			Length
1	"0"212+00	26		R7-101B	NO PARK. ANYTIME	12"x18"	.080		1.5					N.B.	
2	"0"212+00	26		D11-1	BIKE ROUTE	24"x18"	.080		3.0	1	Tube	2"	15'	3'	W.B. MOUNT BELOW #1
3	"0"212+00	26		R7-101B	NO PARK. ANYTIME	12"x18"	.080		1.5					S.B.	
4	"0"212+00	26		D11-1	BIKE ROUTE	24"x18"	.080		3.0	1	Tube	2"	14'	3'	E.B. MOUNT BELOW #3
5	"0"219+00	26		R2-1	SPEED LIMIT 40	30"x36"	.080		7.5	1	Tube	2"	14'	3'	E.B.
6	"0"223+30	26		R2-1	SPEED LIMIT 55	30"x36"	.080		7.5	1	Tube	2"	14'	3'	W.B.
7	"0"232+00	26		R7-101B	NO PARK. ANYTIME	12"x18"	.080		1.5					N.B.	
8	"0"232+00	26		D11-1	BIKE ROUTE	24"x18"	.080		3.0	1	Tube	2"	15'	3'	W.B. MOUNT BELOW #7
9	"0"232+00	26		R7-101B	NO PARK. ANYTIME	12"x18"	.080		1.5					S.B.	
10	"0"232+00	26		D11-1	BIKE ROUTE	24"x18"	.080		3.0	1	Tube	2"	14'	3'	E.B. MOUNT BELOW #9
11	"0"245+01	26		M10-1	MILE 14	6"x12"	.080		.5	1	Tube	2"	11'	3'	E.B.
12	"0"245+01	26		M10-1	MILE 14	6"x12"	.080		.5					W.B.	
13	"0"259+00	26		R7-101B	NO PARK. ANYTIME	12"x18"	.080		1.5	1	Tube	2"	13'	3'	N.B.
14	"0"259+00	26		R7-101B	NO PARK. ANYTIME	12"x18"	.080		1.5	1	Tube	2"	11'	3'	S.B.
18	"0"263+00	26			NO PARK. ANYTIME				1.5	1			13'	3'	N.B.
15	"0"274+55	26		R1-1	STOP	30"x30"	.080		6.25	1	Tube	2"	13'	3'	MOUNT ABOVE #15
16	"0"271+55	26		D3-1	LIEVERS Pt. Rd	48"x8"	.100		2.67	1					SIGN SHALL HAVE
17	"0"271+50	26		W5-1	Road Narrowing	36"x36"	.080		2.00	1	Tube	2"	13'	3'	N.B. THE LEGEND ON BOTH FACES.
													* GALVANIZED PERFORATED SQUARE TUBE.		
													** THE 2 1/2" SIZE SHALL BE USED FOR THE FULL EMBEDMENT DEPTH.		
10A	"0"234+30	26		R12-7	NO STUDDED TIRES 3/15 to 9/30	66"x84"	0.80		38.50	2	Tube	2"	21'	3'	E.B.
10B	"0"235+72	26		D9-3	Δ	24"x24"	0.80		4.00	1	Tube	2"	15'	3'	N.B.
10C	"0"235+72	26		Plaque	CAMPING	6"x24"	0.80		1.00						MOUNT BELOW 10B
10D	"0"235+72	26		Plaque	←→	6"x24"	0.80		1.00						MOUNT BELOW 10C
10E	"0"242+85	26		D9-3	Δ	24"x24"	0.80		4.00	1	Tube	2"	15'	3'	N.B.
10F	"0"242+85	26		Plaque	CAMPING	6"x24"	0.80		1.00						MOUNT BELOW 10E
10G	"0"242+85	26		Plaque	←→	6"x24"	0.80		1.00						MOUNT BELOW 10F
10H	"0"243+00	26		R2-1	SPEED LIMIT 55	30"x36"	0.80		7.5	1	Tube	2"	13'	3'	W.B.

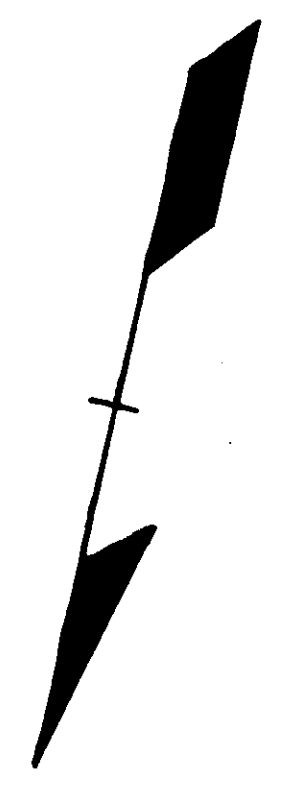
GENERAL SIGNING AND STRIPING NOTES

1. Sign locations & post lengths are approximate only and are subject to minor revisions.
2. All sign posts shall be square telescoping perforated galvanized steel posts; the 2" size shall be used above ground and the 2 1/4" size shall be used below ground for the sleeve.
3. All posts shall be installed with the Sleeve Type Embedment in accordance with Standard Drawing S-30.12, except that the 2 1/4" size shall be used for the entire embedment depth.
4. Post lengths are from the cut-off in the sleeve to the top of the post. See Standard Drawings S-05.00 & S-30.12.
5. All pavement markings shall be applied in accordance with the Alaska Traffic Manual. Standard Drawings T-21.03.
 - A. Approximate length of 24" White Thermoplastic Pavement markings for Stop Lines = 34 L.F.
 - B. Approximate length of 4" Yellow Thermoplastic Pavement markings for Centerline Striping = 76.15 L.F.
 - C. Approximate length of 4" White Painted Pavement Markings for Shoulder Striping = 15,512 L.F.
6. All existing signs between "0"197+1960 & "0"235+2917, & between "0"242+22.33 & "L"274+00 shall be removed and stockpiled as directed at the D.O.T./P.F. maintenance yard, 7 mile Glacier Highway.
7. The existing pavement markings located between "0"234+23 & "L"243+25 shall be removed with chemicals or propane/oxygen burner. Black-out paint shall not be used.

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	F-093-2 (10)	1981	20	22

STRIPING, SIGNING

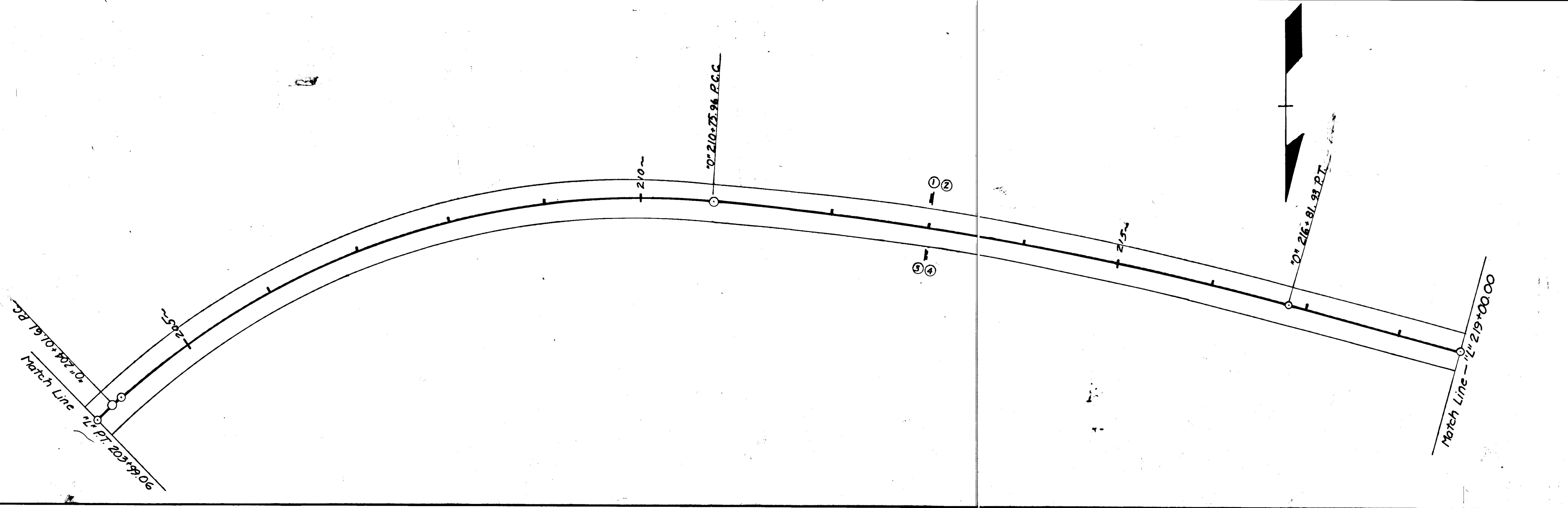
BEGIN PROJECT
 F-093-2 (10)
 "0" 197-19.60



10" 197+19.60 PT. B.C.
 2" 197+20.00 P.O.T. AND

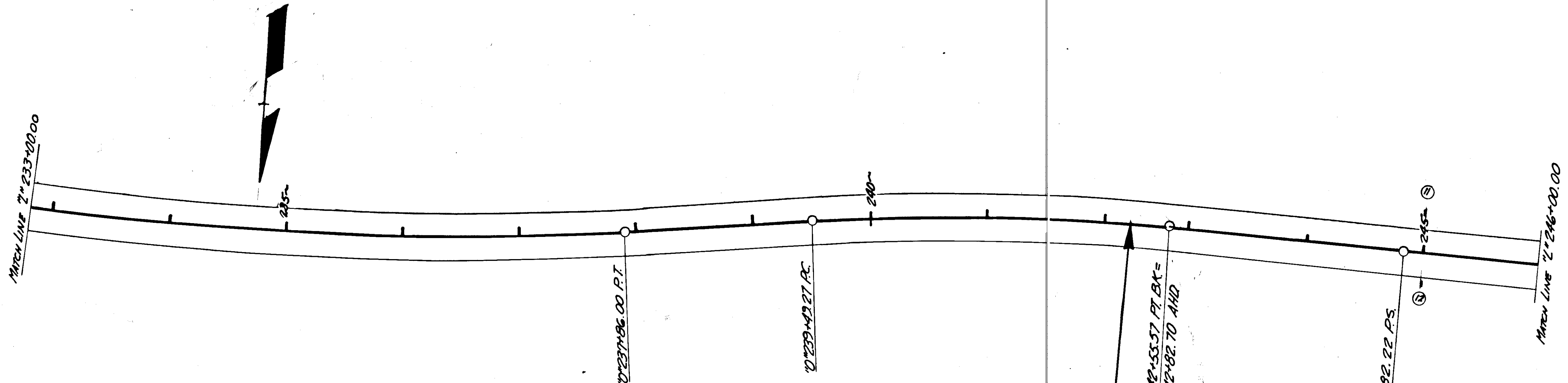
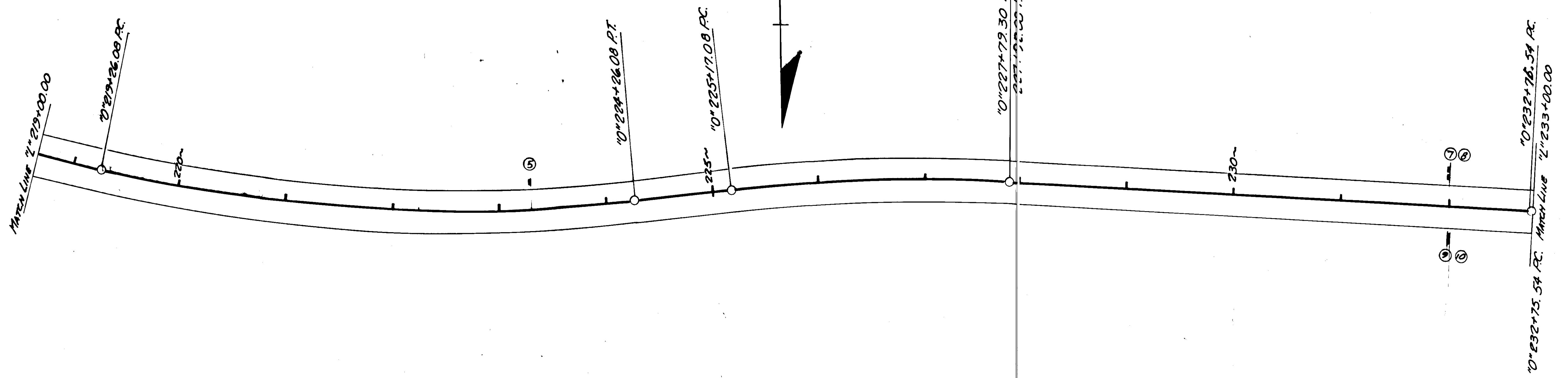
4" Yellow Centerline strips
 4" White Shoulder strips

Match Line
 10" 203+78.08 PT.
 11" PT. 203+99.06



STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SR-PS-0961(12) I-F-093-2(10)	1981	21	22

STRIPING, SIGNING



END PROJECT
F-093-2(10)

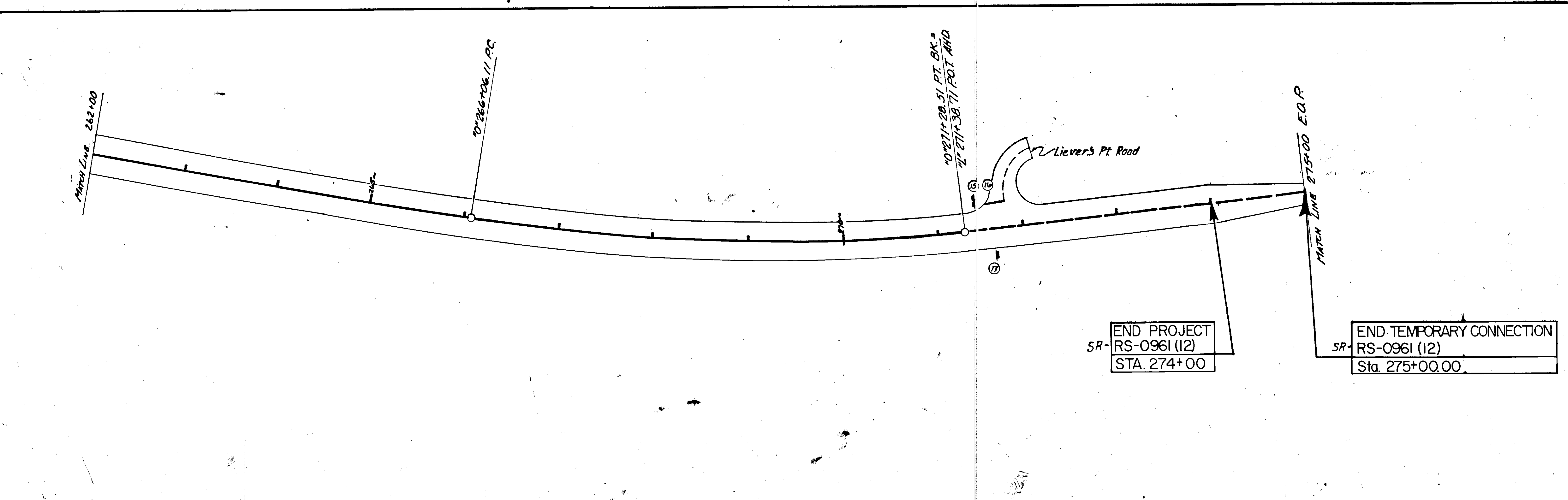
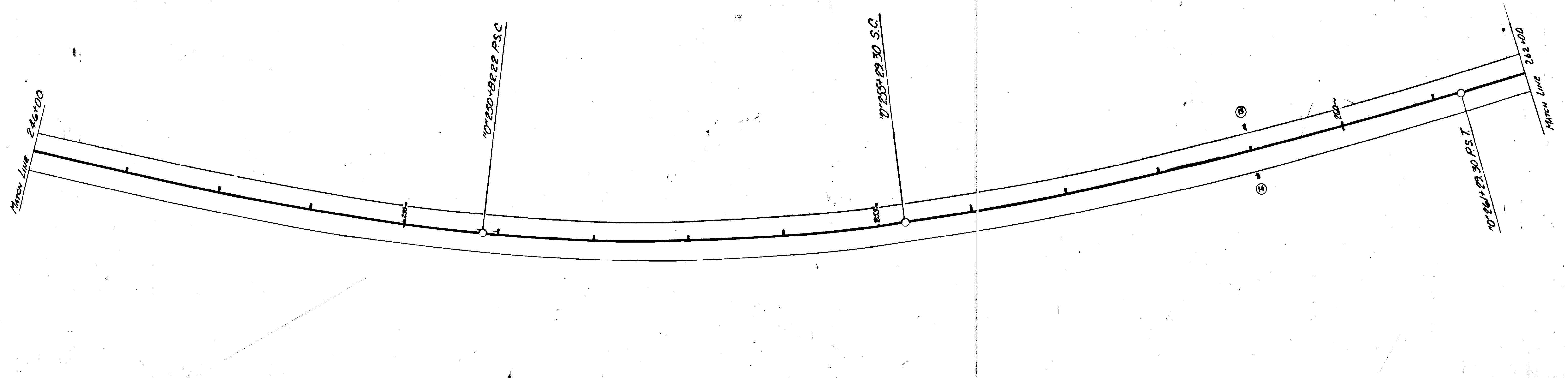
BEGIN PROJECT
SR-0961(12)

"0"242+22.73 BK.

"0"242+53.57 P.T. BK=
"0"242+82.70 AND

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SR-0961(12)	1981	22	22

STRIPING, SIGNING



SR- END PROJECT
RS-0961 (12)
STA. 274+00

SR- END TEMPORARY CONNECTION
RS-0961 (12)
Sta. 275+00.00