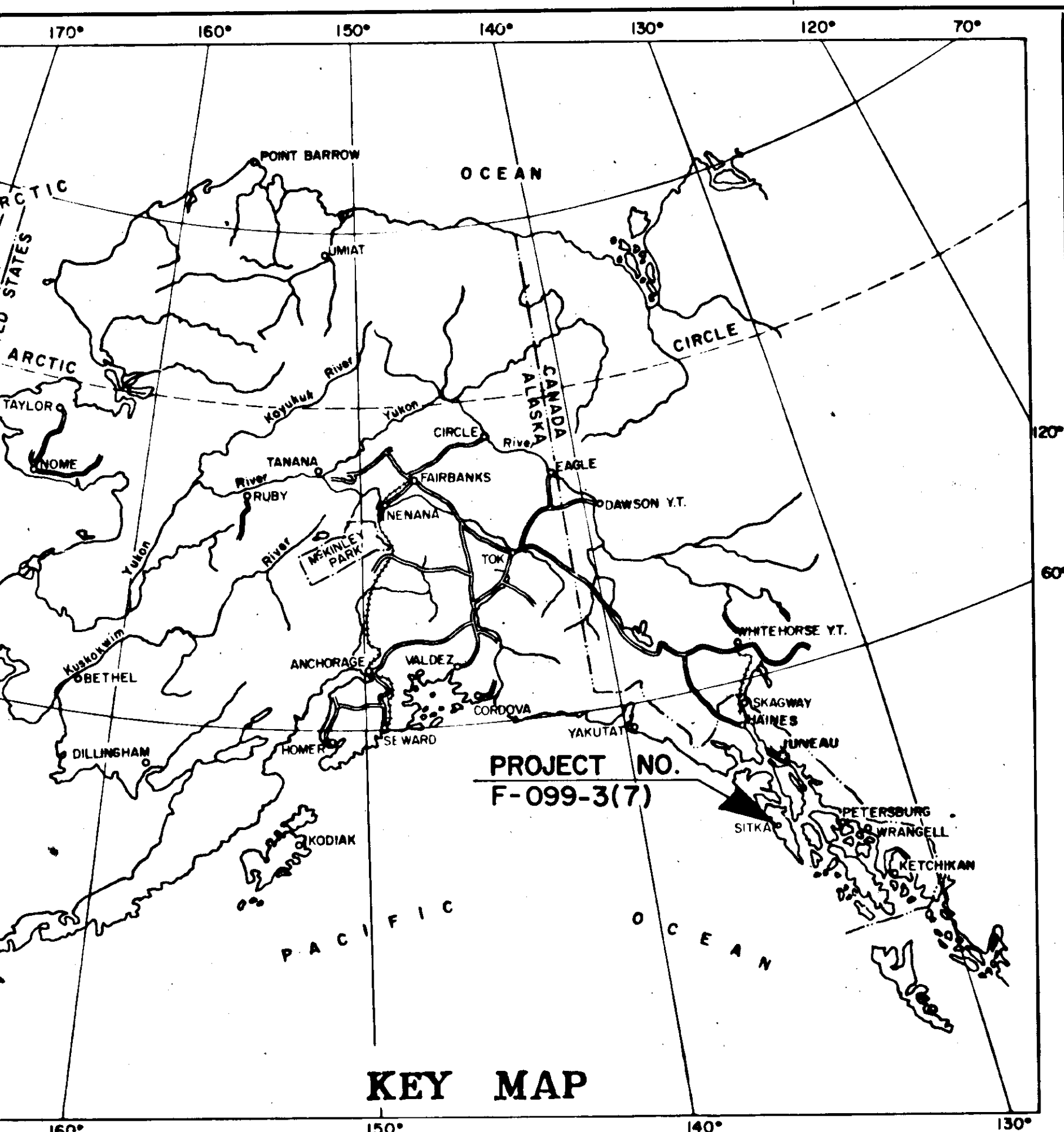


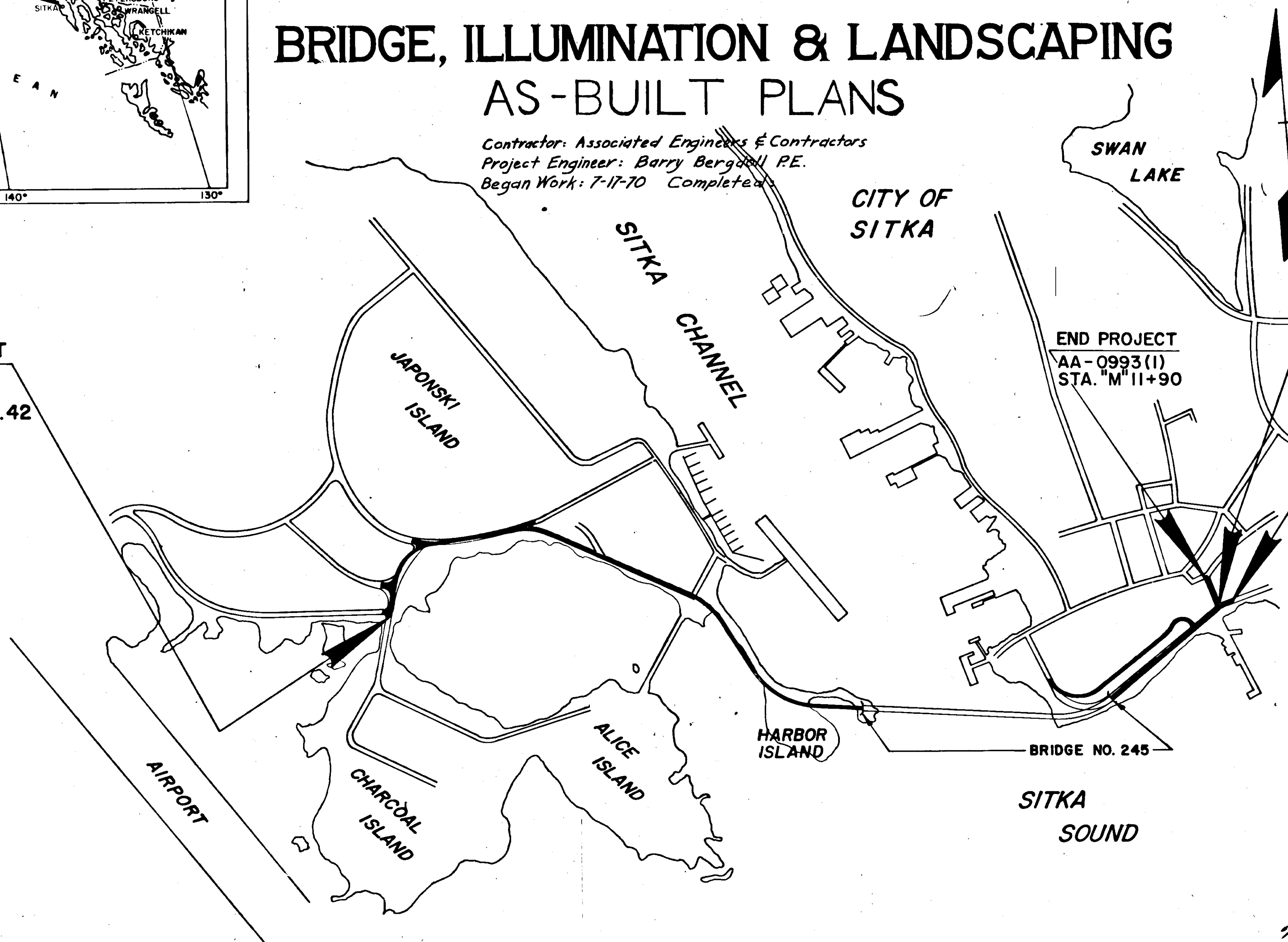


STATE OF ALASKA DEPARTMENT OF HIGHWAYS

PLAN AND PROFILE PROPOSED HIGHWAY PROJECT F-099-3(7) AA-0993(1) SITKA TO JAPONSKI ISLAND GRADING, DRAINAGE, PAVING, BRIDGE, ILLUMINATION & LANDSCAPING AS-BUILT PLANS

Contractor: Associated Engineers & Contractors
Project Engineer: Barry Bergdall P.E.
Began Work: 7-17-70 Completed

END PROJECT
F-099-3(7)
Sta. "O" 55+03.42



END PROJECT
AA-0993(1)
STA. "M" 11+90

BEGIN PROJECT
AA-0993(1)
STA. "M" 10+47.37

BEGIN PROJECT
F-099-3(7)
Sta. "L" 6+56.22

F-099-3(7)	AA-0993(1)
DESIGN DESIGNATION	DESIGN DESIGNATION
ADT (1969) = 400	ADT = 170
ADT (1989) = 1290	ADT = 550
DHV 12% = 155	DHV = 66
D 45%-55%	D = 45%-55%
T = 5%	T = 5%
V = 35 mph.	V = 20 mph.

PROJECT SUMMARY F-099-3 (7)

WIDTH OF SUBGRADE	= Varies 61' to 44'
WIDTH OF PAVEMENT	= Varies 41' to 24'
WIDTH OF BRIDGE	= 30' CLEAR ROADWAY
LENGTH OF BRIDGE	= 1,255.00' = 0.238 Mi.
LENGTH OF GRADING	= 3,590.94' = 0.680 Mi.
LENGTH OF SURFACING	= 3,590.94' = 0.680 Mi.
LENGTH OF PROJECT	= 4,845.94' = 0.918 Mi.

AA-0993 (1)	
WIDTH OF SUBGRADE	= 30'
WIDTH OF PAVEMENT	= 30'
LENGTH OF SUBGRADE	= 142.63 = 0.027 Mi.
LENGTH OF PAVEMENT	= 142.63 = 0.027 Mi.

APPROVED	APPROVED
<i>Warren J. Hill, P.E.</i> Date <i>Jul 23, 1970</i>	<i>R. J. Hill</i> Date <i>2/25/70</i>
SOUTHEAST DISTRICT ENGINEER	COMMISSIONER OF HIGHWAYS

STATE	ROUTE DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	AA-0993(1) F-099-3(7)	1970	1	68

INDEX OF SHEETS

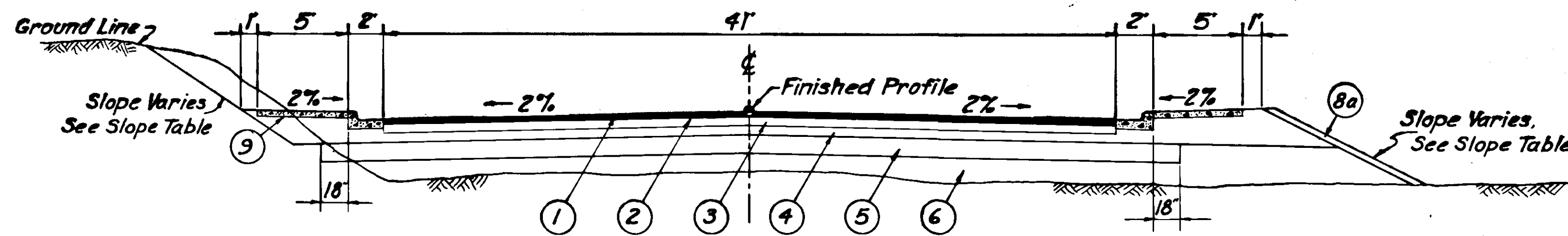
SHEET NO.	DESCRIPTION
1	Title Sheet
2-3	Typical Sections
4-5	Estimate of Quantities
6	Summary Tables
7-13	"L" & "O" Line Plan & Profile
14-15	"F" Line Plan & Profile
16	"M" Line Plan & Profile
17-18	Intersection Details
19-20	Drainage Profiles
21	Drainage Details
22	Signing Details
23-26	Landscaping Plans
27	Tank Farm Renovation Details
28	Service Station Modification Details
29-30	General Details
31	Utilidor Details
32-37	ILLUMINATION PLANS
38-42	Telephone & Electrical Plans
43-68	Bridge Plans

The Following Standards Apply to this Project:
A-1, D-1a, D-3, D-4, R-1, R-4, R-5, T-1, T-2, T-6,
T-10, T-15, T-16, (Sheets 1 & 2), T-18, T-19, T-21,
T-51, U-3.

LABELING INDEX

- 1 3" Two course hot bituminous pavement (1 1/2 Courses)
- 2 Prime coat - width varies.
- 3 6" Crushed aggregate base course, grading "D-1"
- 4 6" Subbase, grading "B"
- 5 12" Selected material.
- 6 Borrow or useable unclassified Excavation.
- 7 Rock embankment (See General Note #3)
- 8a 4" Topsoil } See landscaping plans.
- 8b 6" Topsoil }
- 9 4" Concrete sidewalk.
- 10 2" Hot bituminous pavement.
- 11 3" Gravel blanket; see landscaping plans.

TYPICAL SECTION OF IMPROVEMENT

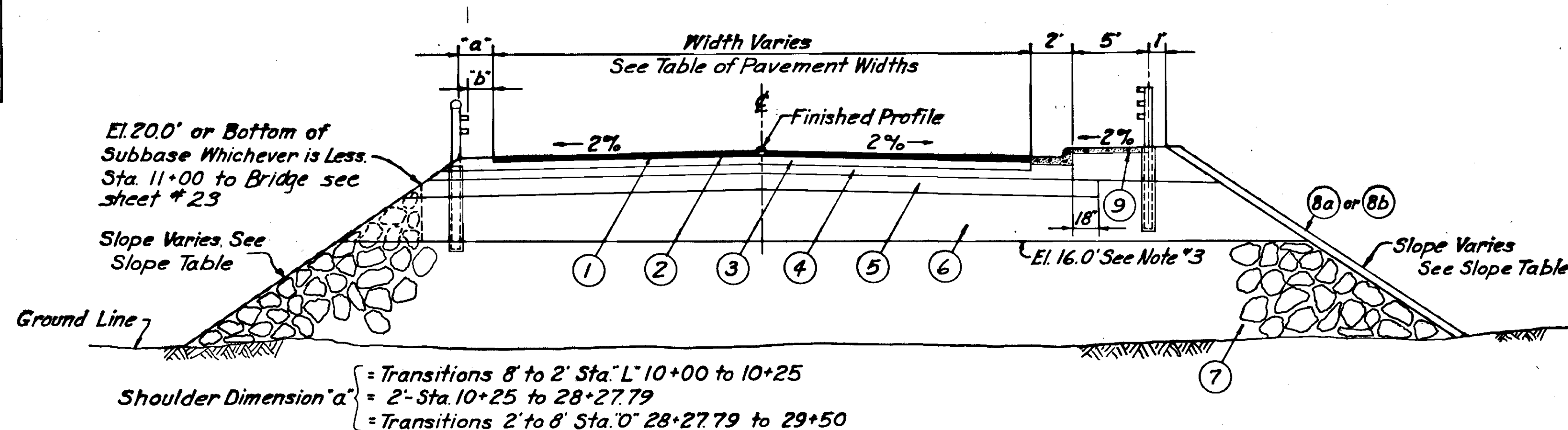


Sta. "L" 6+56.22 to Sta. "L" 10+00

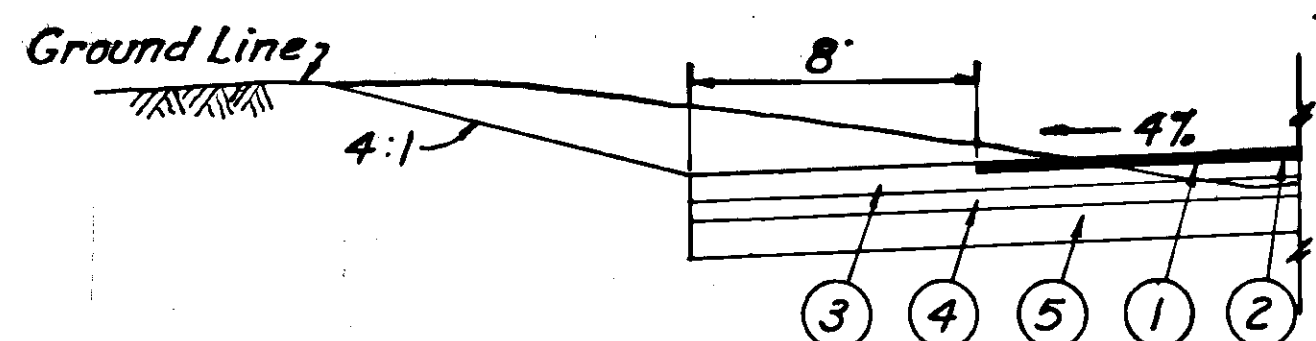
PAVEMENT WIDTH TABLE "L" & "O" LINE			
Station	Pavement Width	Begin or End Taper	Transition Length
11+86.26	41 Ft.	Begin Taper	275 Ft.
14+61.26	28.5 Ft.	End Taper	
27+16.26	28.5 Ft.	Begin Taper	150 Ft.
28+66.26	24 Ft.	End Taper	
55+03.24	24 Ft.		

† 13.5' Rt. ~ 15.0' Lt.

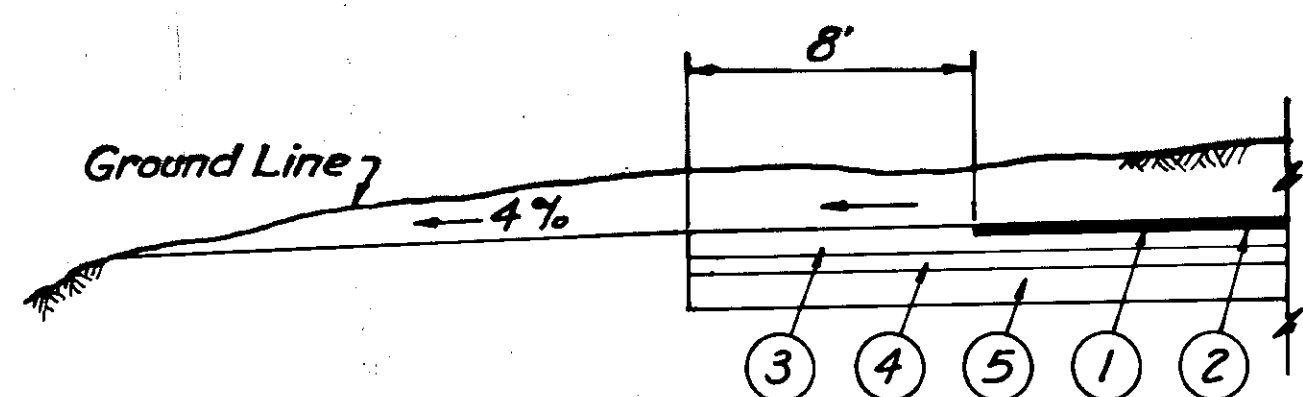
BASIS OF ESTIMATE	
Item	Estimating Factor
203(5)	Common: 180 Tons per cu. yd.
	Selected Mat.: 180 Tons per cu. yd.
	Rock Emb.: 189 Tons per cu. yd.
304(1)	1.96 Tons per cu. yd.
307(1)	1.96 Tons per cu. yd.
403(1)	112 Lbs. per sq. yd., inch depth
408(2)	0.25 Gal. per sq. yd.



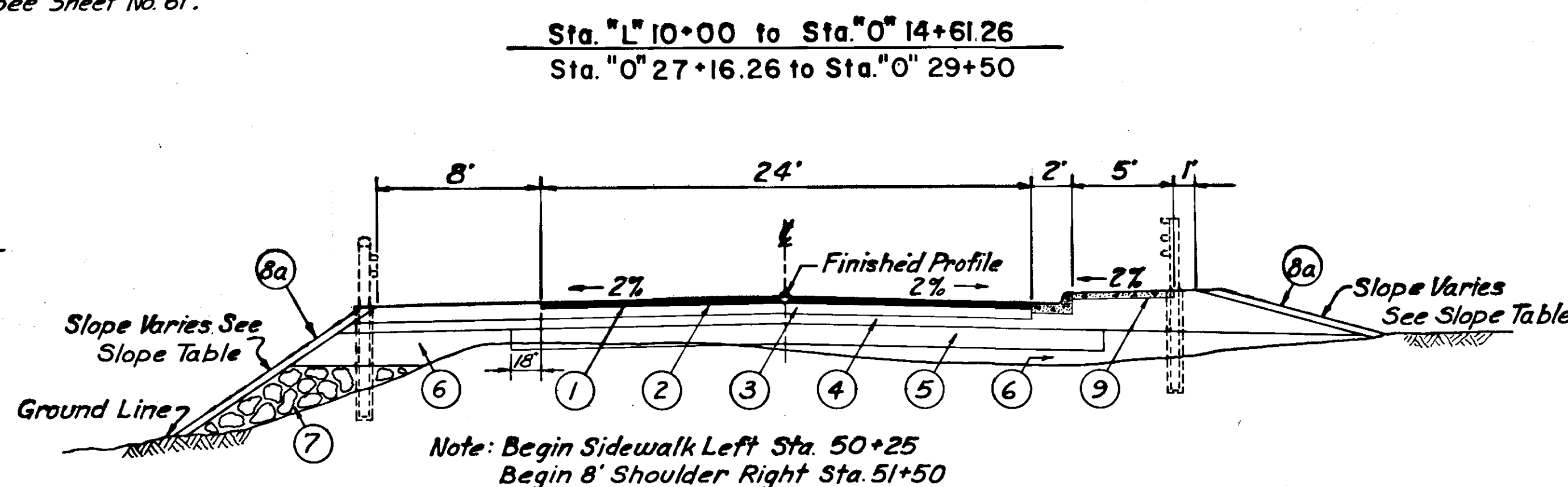
For Pavement Edge to Guard Rail Dimension "b" See Sheet No. 61.



TYPICAL CUT SECTION - Sta. 36+25 to Sta. 37+30



TYPICAL DAYLIGHT SECTION - Sta. 37+30 to Sta. 46+25



Sta. "O" 29+50 to Sta. "O" 55+03.42

SUPERELEVATION TABLE "L" & "O" LINE

Begin Transition	Begin Full Super	End Full Super	End Transition	Super Rate	Direction
10+34.36	11+84.36	See Bridge Plans		0.04'	Rt.
27+27.79	28+77.79	32+40.91	33+69.92*	0.04'	Rt.
33+69.92*	34+98.93	37+54.44	39+04.44	0.04'	Lt.
42+90.54	44+40.54	52+59.25	54+09.25	0.04'	Lt.

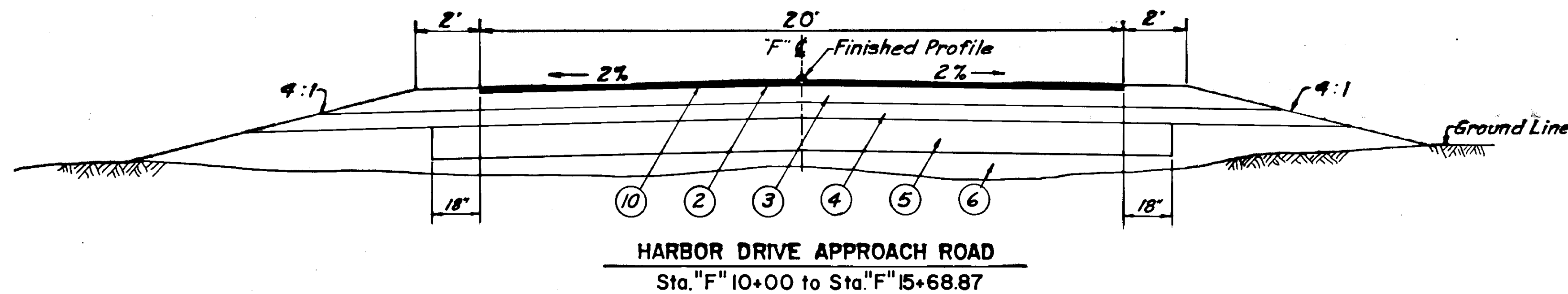
* Flat Section

SLOPE TABLE "L" & "O" LINE				
Station	Left		Right	
	Cut	Fill	Cut	Fill
6+56.22				
	1 1/2:1	4:1	1 1/2:1	4:1
10+00				
		Transition		4:1
10+50				
		Transition		Transition
11+00				
		1 1/2:1		1 1/2:1
31+50				
		1 1/2:1		Transition
35+00				
		Transition		4:1
36+00				
	1 1/2:1	4:1		
37+30				
	Daylight			
40+00				
42+00				
	Daylight			
46+25				
	1 1/2:1	4:1	1 1/2:1	4:1
55+03.42				

GENERAL NOTES

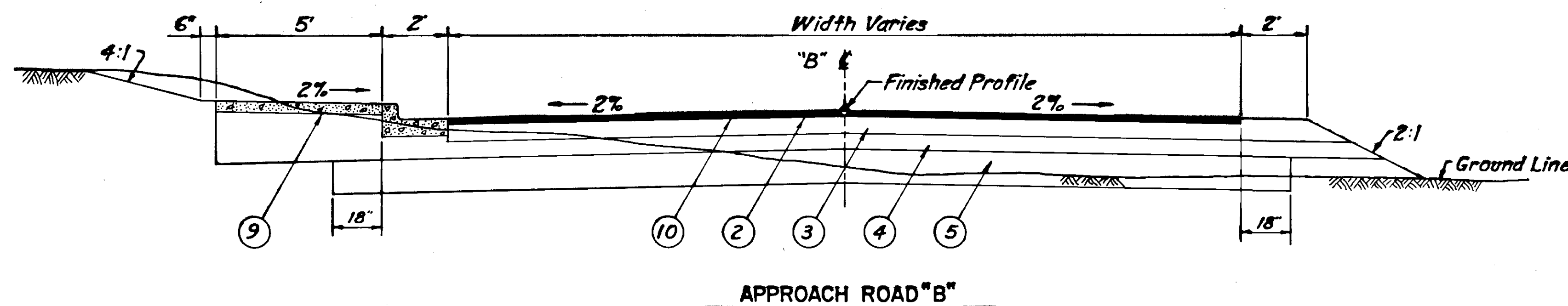
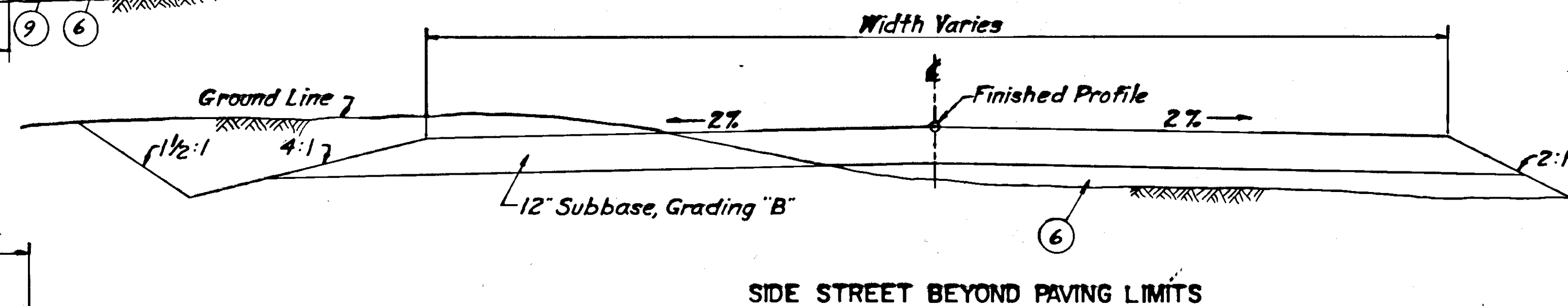
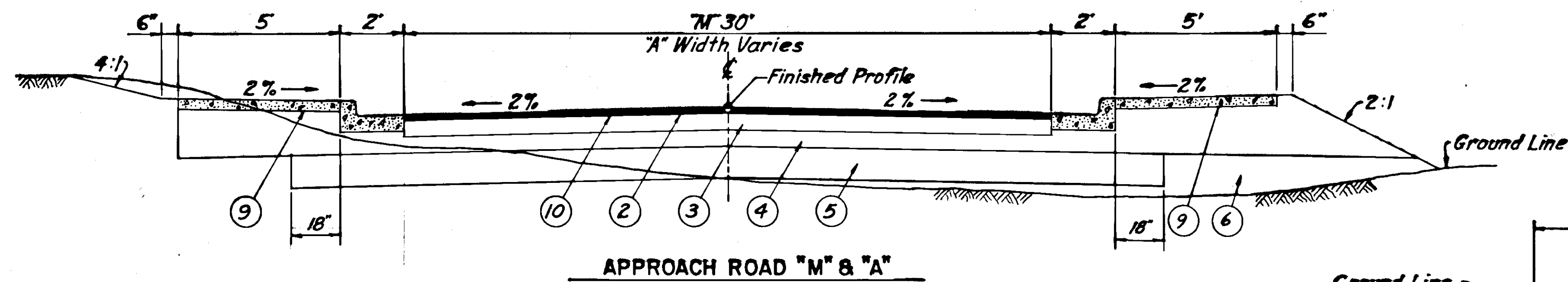
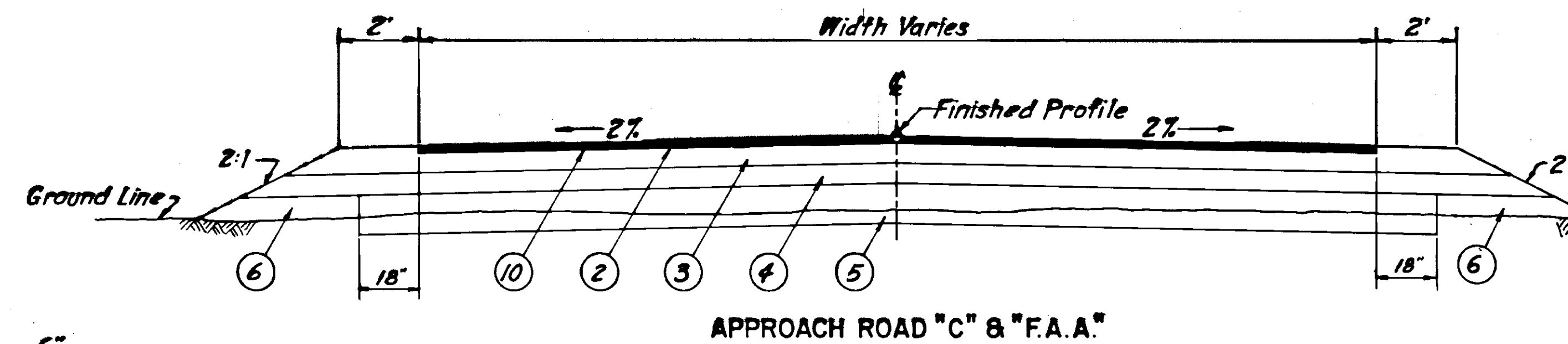
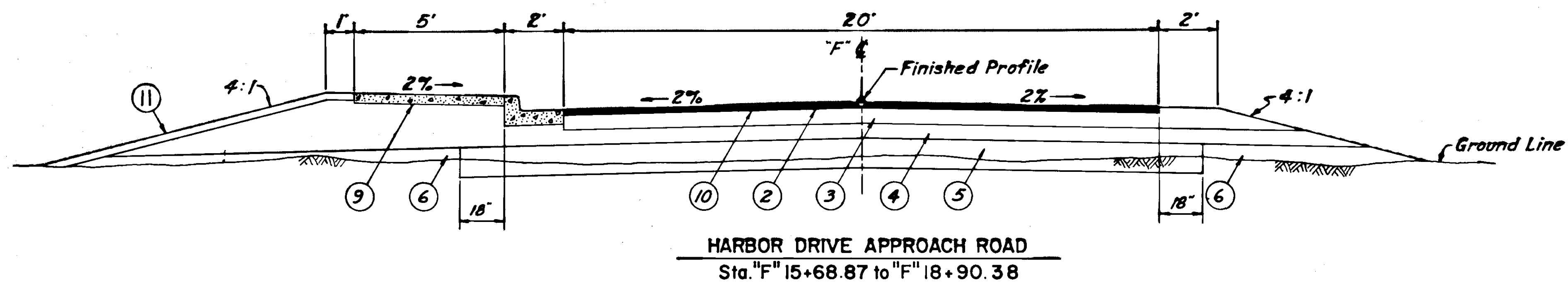
1. Culvert length and locations are approximate only, and subject to revision.
2. Grade and alignment as shown are subject to minor revisions.
3. Fill to elevation 16.00' with Rock Embankment from Sta. 11+00 to Bridge, and from Bridge to Sta. 35+80. Bridge fill cone to be Rock Embankment to elevation 16.00. See typicals for exceptions.
4. Any waste or surplus material encountered on this project will be disposed of by the contractor at locations of his own choice and as approved by the engineer.
5. Location of existing underground utilities as shown on the plans are approximate only.
6. Superelevation is rotated about centerline of the roadway.
7. Where conduit is to be installed in embankment sections, the excavation shall be made after the embankment has been completed to a minimum height of 12 inches above the top of the conduit.
8. Existing pole anchors and downguys falling within the slope limits shall be relocated as staked by the engineer. Anchors and downguys shall conform to R.E.A. specifications. Relocation of anchors and downguys will be considered incidental to other items of work.

TYPICAL SECTION OF IMPROVEMENT



SUPERELEVATION TABLE					
"F" LINE - HARBOR DRIVE APPROACH ROAD					
Begin Transition	Begin Full Super	End Full Super	End Transition	Super Rate	Direction
10+29	10+59	11+23.63	11+38.63	.02'	Left
11+38.63	11+53.63	12+04.72	12+54.72	.02'	Right
13+23.62	14+23.62	18+56.26	18+90.38	.02'	Right

* Flat Section



NOTE: For labeling index see sheet #2.

ESTIMATE OF QUANTITIES

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TO SHEET
ALASKA	F-099-3(7)	1970	4	5

ITEM NO		UNIT	SHEET NUMBERS										F-0993(7)				F-0993(7)		AA-0993(1)		Y 003 Landscaping	Total
			7	8	9	10	11	12	13	14	15	27	28	Bridge	Roadway	Maksoutoff St						
1	Furnishing and Maintaining Engineering Facilities	L.S.																				
110(1)	Mobilization	L.S.													All Required						All Required	
201(3)	Clearing and Grubbing	L.S.													All Required						All Required	
202(1)	Removal of Structures and Obstructions	L.S.													All Required						All Required	
202(3)	Removal of Sidewalks	S.Y.	11				12	292	159						All Required						All Required	
202(4)	Removal and Disposal of Culvert Pipe	L.F.	102				130	149							474	78					552	
202(7)	Removal of Inlet	Each	1					3							381						381	
203(3)	Unclassified Excavation	C.Y.	1305			1025	2512	1464	1815	464	33				4						4	
203(5)	Borrow	Ton	3949	42160	84807	7390	1438	2125	1005	1060	1156				8618	706					9324	
207(1)	Excavation for Structures	C.Y.				17				8					145090	332					145422	
304(1)	Crushed Aggregate Base Course, Grading D-1	Ton	856	598	869	949	1029	1177	572	660	360			330	25						355	
307(1)	Subbase Grading "B"	Ton	1279	723	1013	1132	1221	1116	950	697	367				7070	167					7237	
403(1)	Hot Bituminous Pavement	Ton	385	248	270	269	220	350	260	140	83				8498	296					8794	
408(2)	MC-30 Liquid Asphalt for Prime Coat	Ton	2.35	1.45	1.58	1.58	197	1.80	1.36	1.24	0.74				2225	81					2306	
601(1)	Class "A" Concrete	L.S.													14.07	0.48					14.55	
601(2)	Class "S" Concrete	C.Y.												All Required	All Required						All Required	
602(1)	Reinforcing Steel	L.S.												955							955	
603(26E)	18" Pipe Conduit	L.F.	566	166	16	60	164	314	110					All Required	All Required						All Required	
603(26G)	24" Pipe Conduit	L.F.					20	58	34						1396						1396	
604(1)	Manhole	Each						1							112						112	
604(2A)	Type "A" Inlets	Each	5	1	1	2	1	3	1						1						1	
604(2B)	Type "B" Inlets	Each	1												14						14	
604(5)	Adjust Existing Manhole	Each					1								1						1	
604(7A)	Type I Corrugated Metal Pipe Inlet	Each						2							1						1	
604(7B)	Type II Corrugated Metal Pipe Inlet	Each	3				1	1	1	1					2						2	
607(7)	Relocate Chain Link Fence	L.F.													7						7	
608(1)	Concrete Sidewalk 4" Depth	S.Y.	404	377	318	340	346	358	216						152						152	
608(4)	Concrete Sidewalk 6" Depth	S.Y.	45					94	10			100			2359	127					2486	
609(3)	Curb and Gutter Type II	L.F.	812	679	572	612	622	826	395						249	10					259	
614(1)	Survey Monuments	Each	6	1	2	2	2	2	5						4518	252					4770	
614(2)	Monument Cases	Each	6	1	2	2	2	2	5						20						20	
615(1)	Standard Signs	Each	7	4	2	5	3	3	9						20						20	
615(3)	Delineators	Each		8											33	1					34	
618(1A)	Hydro Seeding, Class 4	M.S.F.	2.32	8.45	39.56	9.10				9.90	1.92				8						8	
618(2)	Water for Maintenance	M.G.	6.97	30.52	73.98	16.99				18.51	3.59									71.25	71.25	
619(1)	Soil Stabilization Matting	M.S.F.	3.20	16.32																150.56	150.56	
620(2A)	Top Soil 4"	M.S.F.	0.53		39.56	9.09				9.90	1.92									19.52	19.52	
620(2B)	Top Soil 6"	M.S.F.	1.4	7.9																61.00	61.00	
621(1)	Furnish and Plant Trees	Each	28	157																9.3	9.3	
621(2)	Furnish and Plant Shrubs (Plants)	Each	112	629																185	185	
621(4)	Gravel Mat	M.S.F.																		741	741	
630(3)	Structural Steel Piles, Furnished and Driven	L.F.										28.2								28.2	28.2	
630(7)	Structural Steel Sheet Piles, Furnished and Driven	S.F.													704						704	
633(3)	Structural Steel-Except A-514, Furnished, Fabricated & Erected	L.S.													4940						4940	
633(4)	Structural Steel A-514, Furnished, Fabricated & Erected	L.S.													All Required						All Required	
634(1)	Metal Bridge Railing	L.F.	258	722	1164	430									All Required						All Required	
639(1)	Hand Laid Rock Embankment	M.S.F.		3.34	6.97										2508	2574					5082	
639(2)	Random Placed Rock	M.S.F.	1.4	7.9																10.31	10.31	
640(2A)	6" Ductile-Iron Water Conduit	L.F.					90	555	19											9.3	9.3	
640(2B)	8" Ductile-Iron Water Conduit	L.F.						555	19							664					664	
640(2C)	12" Ductile-Iron Water Conduit	L.F.		190	600	495										574					574	
640(7)	Fire Hydrant Relocation	Each	2	1												1285					1285	
640(9)	Water Service Connection	Each	2					3								3					3	
640(11)	Adjust Valve Box	Each	4	1					3							5					5	
640(16)	Valve Service Box	Each		1					2							8					8	
640(20)	2" Condensate Line (Insulated)	L.F.				90	8	172								3					3	
640(21)	4" Steam Line (Insulated)	L.F.				90	8	172								270					270	
645(2)	Relocate Sewer Conduit	L.F.	120													270					270	
645(3)	Adjust Sewer Cleanout	Each	1													120					120	
648(1)	Galvanized Bridge Strand	L.S.														1					1	
649(1)	Tensioning Rods	L.F.												All Required							All Required	
660(1)	Illumination System	L.S.												4740							4740	
681(1)	3" P.V.C. Jacketed Conduit, Power	L.F.	60	90	70									All Required							All Required	
															220						220	

ADJUST VALVE BOX SUMMARY	
Station	Offset
"L" 7+45	9' Rt.
"L" 7+49	12' Rt.
"L" 7+51	4' Rt.
"L" 7+53	9' Rt.
"O" 12+90	56' Rt.
"O" 52+61	24' Rt.
"O" 52+61	26' Rt.

SUMMARY OF METAL BRIDGE RAILING			
Location		Length (ft.)	
		Lt.	Rt.
"L" 10+00 to "O" 14+61		474	
"L" 9+65 to "O" 14+61			506
"L" 14+61 to "O" 27+16		1260	1248
"O" 27+16 to "O" 35+85		882	
"O" 27+16 to "O" 34+48			712

SUMMARY OF BRASS CAP MONUMENTS			
Station	Mon.	Case	Remarks
"L" 6+56.22	1	1	Begin Project
"L" 6+88.56			P.C.
"L" 7+38.27			Maksoutoff St. Intersection
"L" 7+50.13			18.32 Ft. Lt. Center Line Tidelands Mon.
"L" 9+54.00			Frontage Road Intersection
"L" 10+68.75			P.T.
"O" 12+34.37			P.C.
"O" 28+27.79			P.C.
"O" 32+90.91			P.T.
"O" 34+48.93			P.C.
"O" 38+04.44			P.T.
"O" 43+90.54			P.C.
"O" 44+92.00			Center Line Intersection
"O" 47+39.41			P.T.
"O" 49+77.00			P.C.
"O" 51+13.10			Center Line Intersection
"O" 53+08.25			P.T.
"O" 53+34.03			Center Line Intersection
"O" 54+49.96			Center Line Intersection
"O" 55+03.42	1	1	End of Project
TOTAL	20	20	

SUMMARY OF WATER SERVICE CONNECTIONS		
Sta.	52	Rt. or Lt.
"L" 8+70		Rt.
"L" 8+50		Lt. Deleted
"O" 46+60		Rt.
"O" 49+74		Rt.
"O" 50+05		Lt. Deleted

SUMMARY OF INLET REMOVAL			SUMMARY OF CULVERT PIPE REMOVAL	
Distance (ft.)			Location	Length (ft.)
Lt.	Rt.			
"F" 10+49.73	10		"L" 9+69	102
"O" 49+33		8	"O" 44+42	103
"O" 49+33		16	"O" 49+33	44
"O" 50+10		23	"O" 50+10	109

UTILITY SUMMARY	
"L" 6+66 Rt.	Adjust Existing Sanitary Sewer Cleanout.
"L" 8+68 Rt. to "L" 9+87 Rt.	Relocate 120' of 8" Sanitary Sewer Line.
"O" 12+90 Lt. to "O" 14+65 Lt.	Install 190' of 12" Ductile Iron Pipe with One 12" Gate Valve and Valve Service Box.
"O" 27+12 Lt. to "O" 37+20 Lt.	Install 1020' of 12" Ductile Iron Pipe.
"O" 37+20	Install Tee with 75' Lateral Rt. and Cap End.
"O" 29+25 Lt. to "O" 37+20	Cap Ends of Oil Line and Abandon in Place. Lateral Rt. of Sta. "O" 37+20 Abandon Oil Line in Place and Cap in Manhole with Blind Flange Detailed on Sheet No. 30.
"O" 37+25 Lt. & Rt.	Replace Existing 4" Steam, 2" Condensate and 6" Water Lines - 90' of Each. Remove and Replace Wood Plank Cover of Utilidor with a Concrete Cover. Details on Sheet No. 29.
"O" 44+90 Rt.	Adjust Existing Manhole.
"O" 44+90 Rt. to "O" 46+62 Lt.	Cap Ends and Abandon in Place 4" Steam and 2" Condensate Pipe Lines.
"O" 46+62 Rt.	Install New Manhole 28" Rt.
"O" 46+62	Cap Ends and Abandon in Place 4" Steam and 2" Condensate Pipe Lines from Existing Manhole on the Left to New Manhole on the Right.
"O" 44+90 Rt. to "O" 46+62 Rt.	Install 2" Condensate and 4" Steam Pipe Lines - 180' of Each. Connect to Existing Lines at Existing Manhole Rt. of Sta. "O" 44+90 and in New Manhole Rt. of Sta. "O" 46+62 w/ Valves.
"O" 45+40 Rt. to "B" 11+30 Lt.	Install 705' of 6" Oil Line Connecting to the Existing Oil Line Rt. of Sta. "O" 45+40 and to the Three Way Valve Lt. of Sta. "B" 11+30.
"O" 45+40 Rt. to "B" 11+30 Lt.	Cap Ends of Oil Line and Abandon in Place.
"O" 45+75 Rt. to "O" 51+17 Rt.	Install 6" and 8" Ductile Iron Water Conduit - 574' of Each. Connect New Lines to Existing Lines.
"O" 45+75 Rt. to "O" 51+17 Rt.	Cap Ends and Abandon in Place 6" and 8" Water Lines.
"O" 52+00 Rt.	Tank Farm Renovation See Sheet No. 28.
"O" 50+50 Lt.	Service Station Modification See Sheet No. 28.

Note: Typical Connection of New Lines to Existing Lines Shown in Detail On Sheet No. 12.

SUMMARY OF STANDARD SIGNS					
Sign No.	Station	Distance		No.	Type of Sign
		Left	Right		
1	"L" 7+39	30		R1-1	Stop
2	"L" 7+48		30	R1-1	Stop
3	"L" 8+41		27.5	R2-1	Speed Limit 35
4	"L" 8+95		27.5	P3-DR	Scenic View Point →
5	"L" 8+95		27.5		↑ Airport, Japanski Island
6	"L" 9+69		43	R1-1	Stop
7	"L" 10+01	30		R7-1	No Parking →
8	"L" 11+86		27.5	W5-1	Road Narrows
9	"L" 11+86		27.5	R8-3	No Parking
10	"O" 14+00	27		R2-1	Speed Limit 35
11	"O" 14+00	27		R7-1	No Parking Anytime →
12	"O" 28+00		20	R2-1	Speed Limit 20
13	"O" 28+00		20	R8-3	No Parking
14	"O" 34+50		20	W9-3	School Xing Ahead
15	"O" 35+52		20	R8-3	No Parking
16	"O" 35+82	22.5		R8-3	No Parking
17	"O" 36+95		20	W9-2	School Xing
18	"O" 37+20	20		W9-2	School Xing
19	"O" 39+70	20		W9-3	School Xing Ahead
20	"O" 42+00		20	R8-3	No Parking
21	"O" 43+00	20		R2-1	Speed Limit 20
22	"O" 45+14		37	R1-1	Stop
23	"O" 46+00		20	R8-3	No Parking
24	"O" 50+34	20		R7-1	No Parking →
25	"O" 51+35		35	R1-1	Stop
26	"O" 51+65		20	R8-3	No Parking
27	"O" 53+53		30	R1-1	Stop
28	"O" 53+90	20		R2-1	Speed Limit 20
29	"O" 54+00		20	D1	Airport →
30	"O" 54+50	20		W1-7	← Sitka
31	"O" 54+50	20		D1	← Sitka
32	"O" 54+78		35	R1-1	Stop
33	"O" 55+01	20			No Parking ←
34	"M" 11+67		25	R1-1	Stop

SUMMARY OF SIGN REMOVAL		
Location	Distance (ft.)	
	Lt.	Rt.
"O" 36+25		26
"O" 37+03		11
"O" 37+36	22	
"O" 37+60	31	
"A" 11+15		28
"O" 45+10		10
"O" 51+28		38
"O" 53+30	17	
"O" 54+48	20	
"O" 54+76		21

ADJUST POLE DOWNGUYS AND ANCHORS	
Station	
"O" 46+00 Lt.	
"O" 51+81 Lt.	

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.
ALASKA	F-099-3(7)	1970	6

SUMMARY TABLES

SUMMARY OF DELINEATORS			
Station	Dist. Rt.	Type	Remarks
"F" 13+27.62	14.0	DLB-1	One Way
"F" 13+87.62	14.0	DLB-1	One Way
"F" 14+23.62	14.0	DLB-1	One Way
"F" 14+40.76	13.2	DLB-1	One Way
"F" 14+57.91	12.3	DLB-1	One Way
"F" 14+76.71	12.3	DLB-1	Two Way
"F" 14+93.62	13.2	DLB-1	Two Way
"F" 15+10.53	14.0	DLB-1	Two Way

RELOCATION OF FIRE HYDRANTS				
Existing Location		New Location		Remarks
"L" 6+70.25	25' Rt.	"L" 6+70.25	28.5' Rt.	
"L" 9+52	35' Rt.	"L" 9+00	30' Rt.	
"L" 12+34	71' Rt.	"L" 12+34	83' Rt.	Field Installation

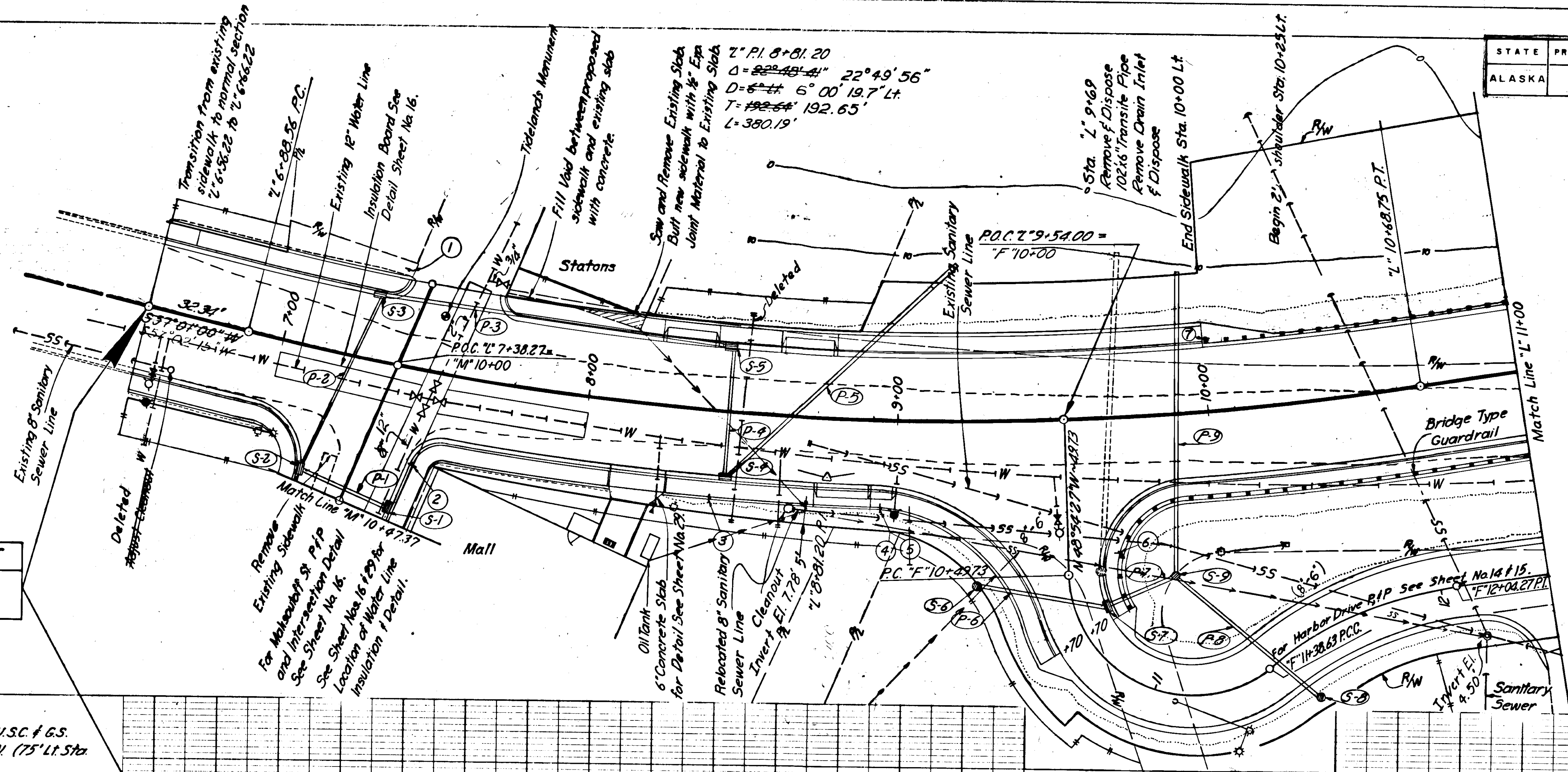
SUMMARY OF CURB CUTS			
Station	to Station	Length	Type
		Lt. Rt.	
"L" 8+22	to "L" 8+40	18	1
"L" 8+61	to "L" 8+79	18	1
"L" 8+74	to "L" 8+92	18	1
"O" 46+21	to "O" 46+39	18	1
"O" 46+86	to "O" 47+04	18	1
"O" 47+65	to "O" 47+83	18	1
"O" 48+06	to "O" 48+61	55	Special
"O" 49+52	to "O" 50+12	60	Special
"O" 50+88	to "O" 51+06	18	1
"M" 10+65	to "M" 10+83	18	1

SUMMARY OF APPROACHES			
Station	Rt./Lt.	Length	Type
"F" 12+40	Rt.	20'	2
"F" 18+00	Rt.	20'	2
"O" 49+82	Lt.		Special*

*See P&P Sheet No. 12.

REMOVAL OF STRUCTURES AND OBSTRUCTIONS		
Location	Item	Brief Description (See Spec. Prov. Sect. 202.0)
"O" 28+50 Lt.	Tank #321	Demolish Structure.
"O" 28+50 Lt.	Tank #320	Demolish Structure - Oil to be Pumped to Tank Farm After Renovation.
"O" 28+70 Lt.	Power Pole	Remove and Dispose
"O" 28+75 E	Building #319	Demolish Structure (3 Transformers to be Salvaged and Returned to B.I.A.)
"O" 29+20 Lt.	Pumphouse	Demolish Structure (Large Pump to be Relocated to Tank Farm. Small Pump to be Salvaged and Returned to B.I.A.)
"O" 29+45 Lt.	Power Pole	Remove and Dispose
"O" 30+60 Rt.	Power Pole	Remove and Dispose
"O" 30+80 Rt.	Utility Manhole	Demolish Structure (4 Transformers to be Salvaged and Returned to B.I.A.)
"O" 30+83 Lt.	Tank #322	Demolish Structure
"O" 31+00 E	Pumphouse #323	Demolish Structure (3 Pumps - Removal and Disposal by Contractor.)
"O" 38+00 Rt.	Building #305	Demolish Structure
"O" 43+00 Rt.	Building #301A	Demolish Structure
"O" 46+60 Lt.	Manhole	Remove and Dispose
"O" 46+65 Lt.	Marker	Remove and Dispose
"O" 50+14 Lt.	Manhole	Remove and Dispose
"O" 50+18 Lt.	Marker	Remove and Dispose

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	F-099-3(7)	1970	7	68



BEGIN PROJECT
F-099-3(7)
Sta. "L" 6+56.22

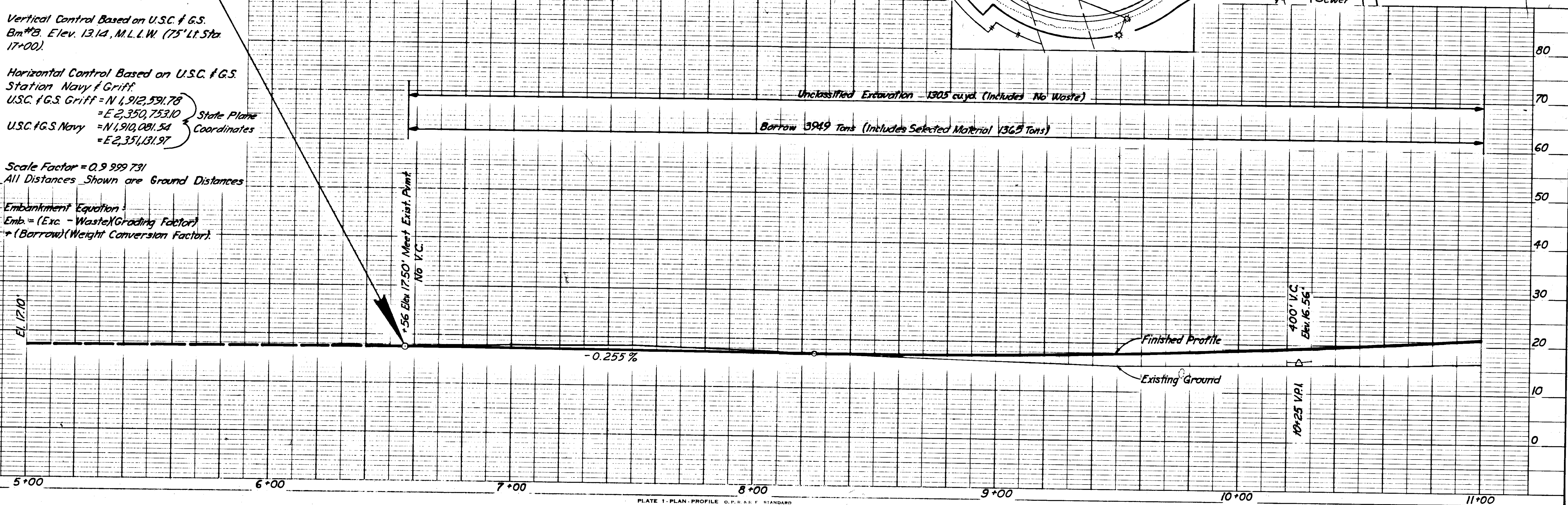
PROJECT CONTROL

Vertical Control Based on U.S.C. & G.S.
 Bm #8. Elev. 13.14, M.L.L.W. (75' Lt. Sta. 17+00).

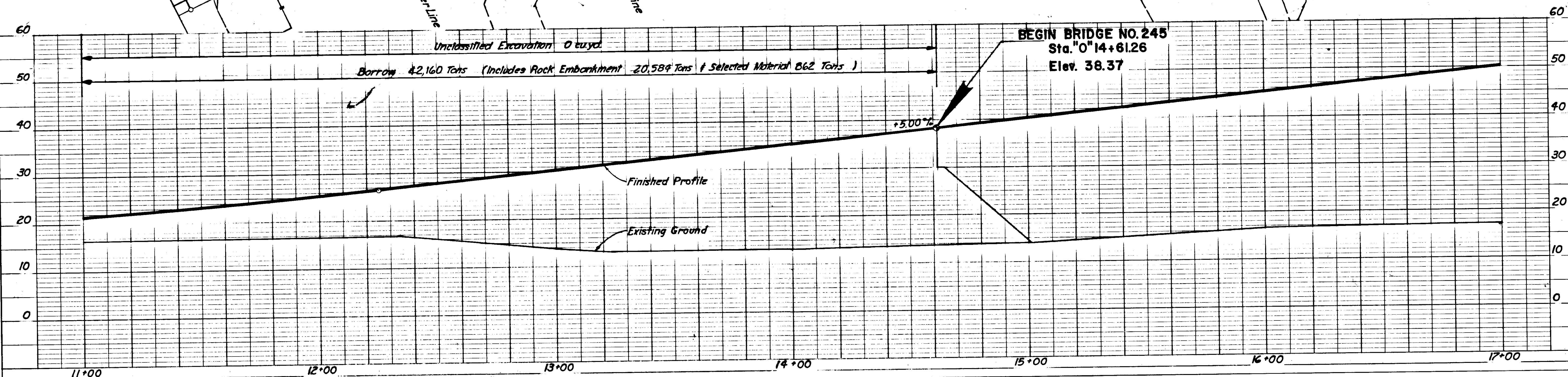
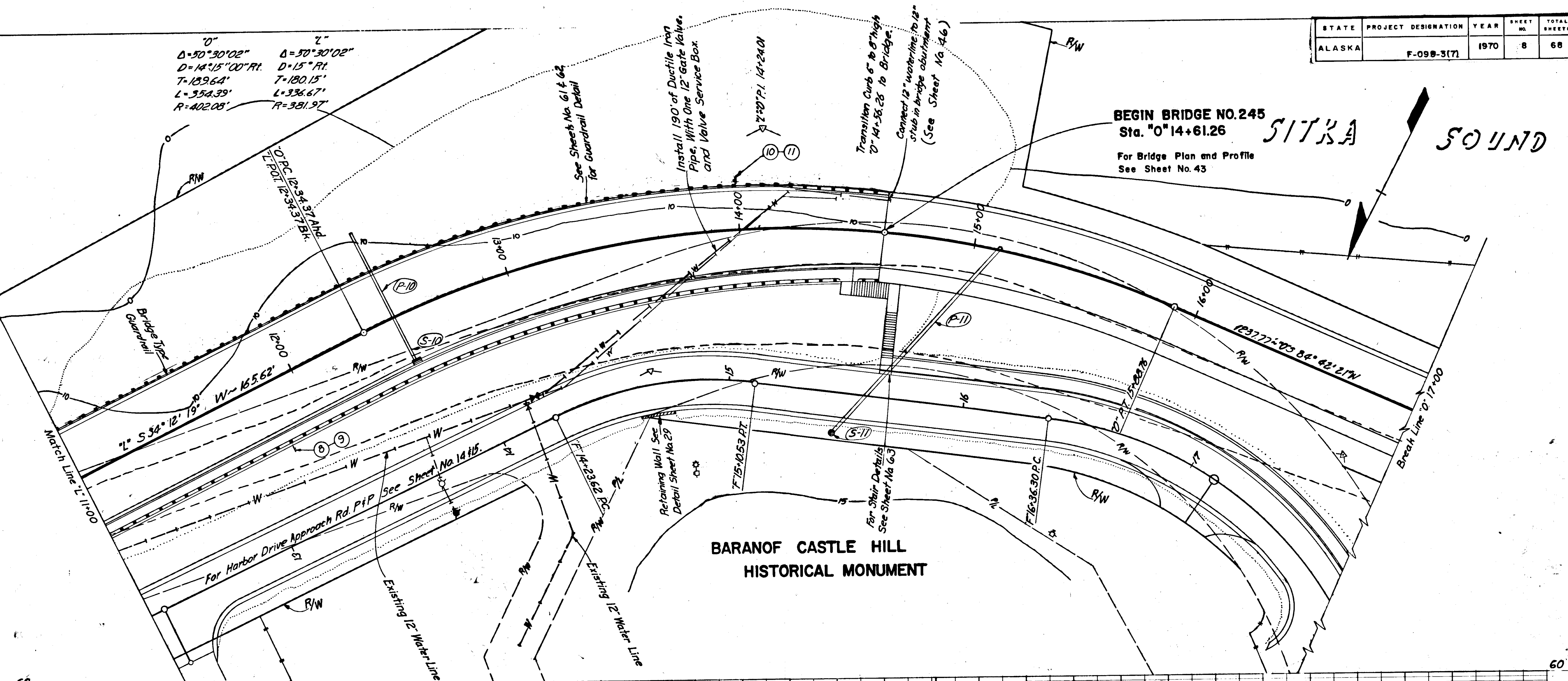
Horizontal Control Based on U.S.C. & G.S.
 Station Navy & Griff.
 U.S.C. & G.S. Griff = N 1,912,591.78
 = E 2,350,753.10
 U.S.C. & G.S. Navy = N 1,910,081.54
 = E 2,351,131.97

Scale Factor = 0.999731
 All Distances Shown are Ground Distances

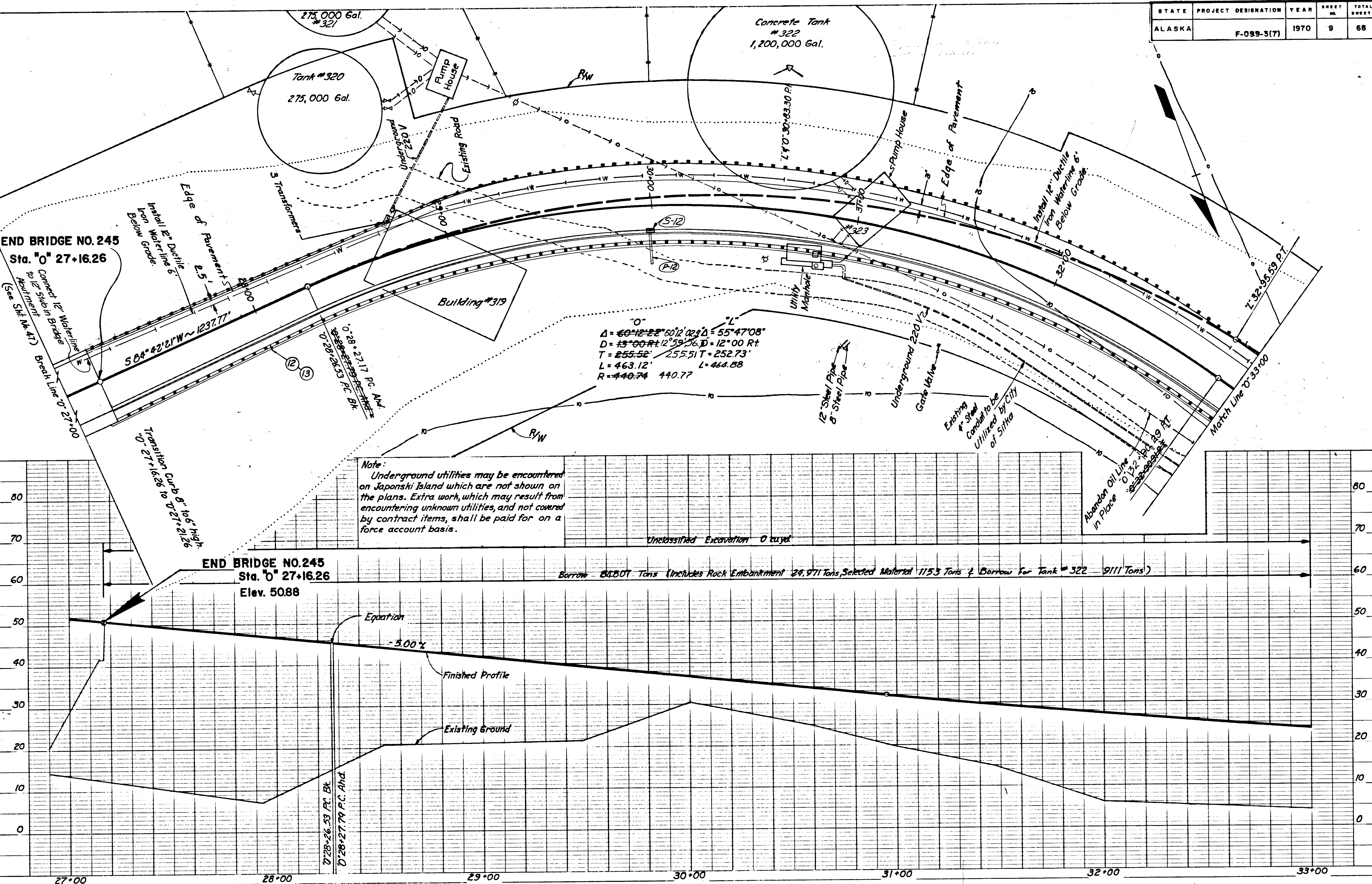
Embankment Equation:
 Emb. = (Exc. - Waste)(Grading Factor)
 + (Borrow)(Weight Conversion Factor).



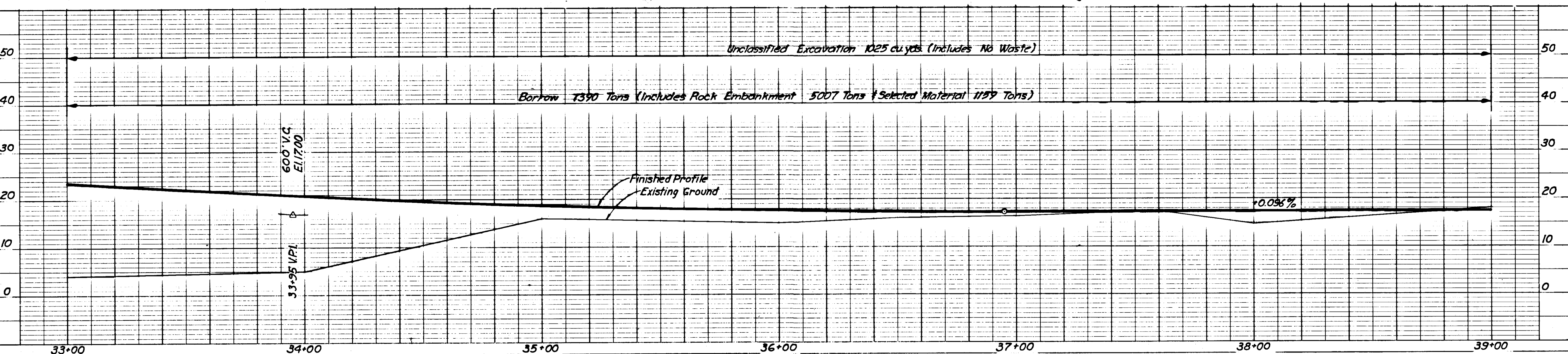
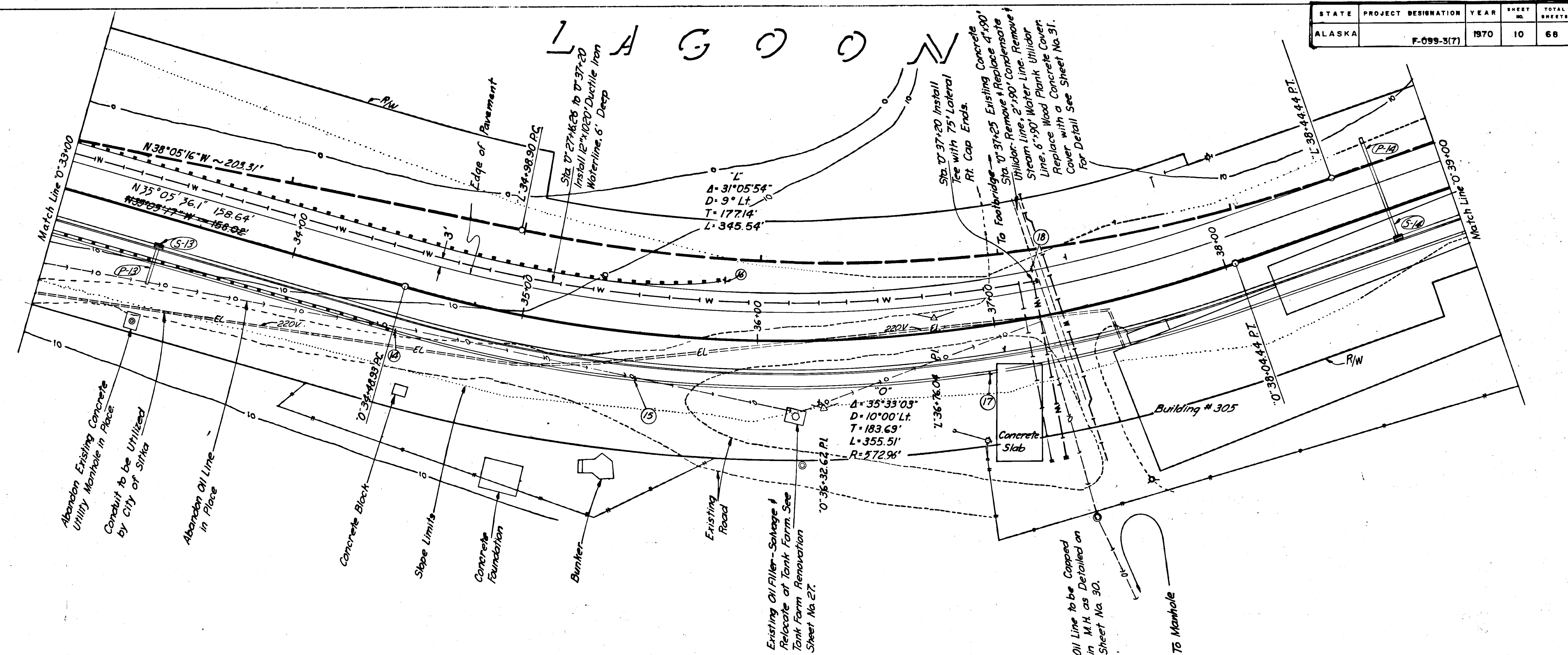
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	F-098-3(7)	1970	8	68

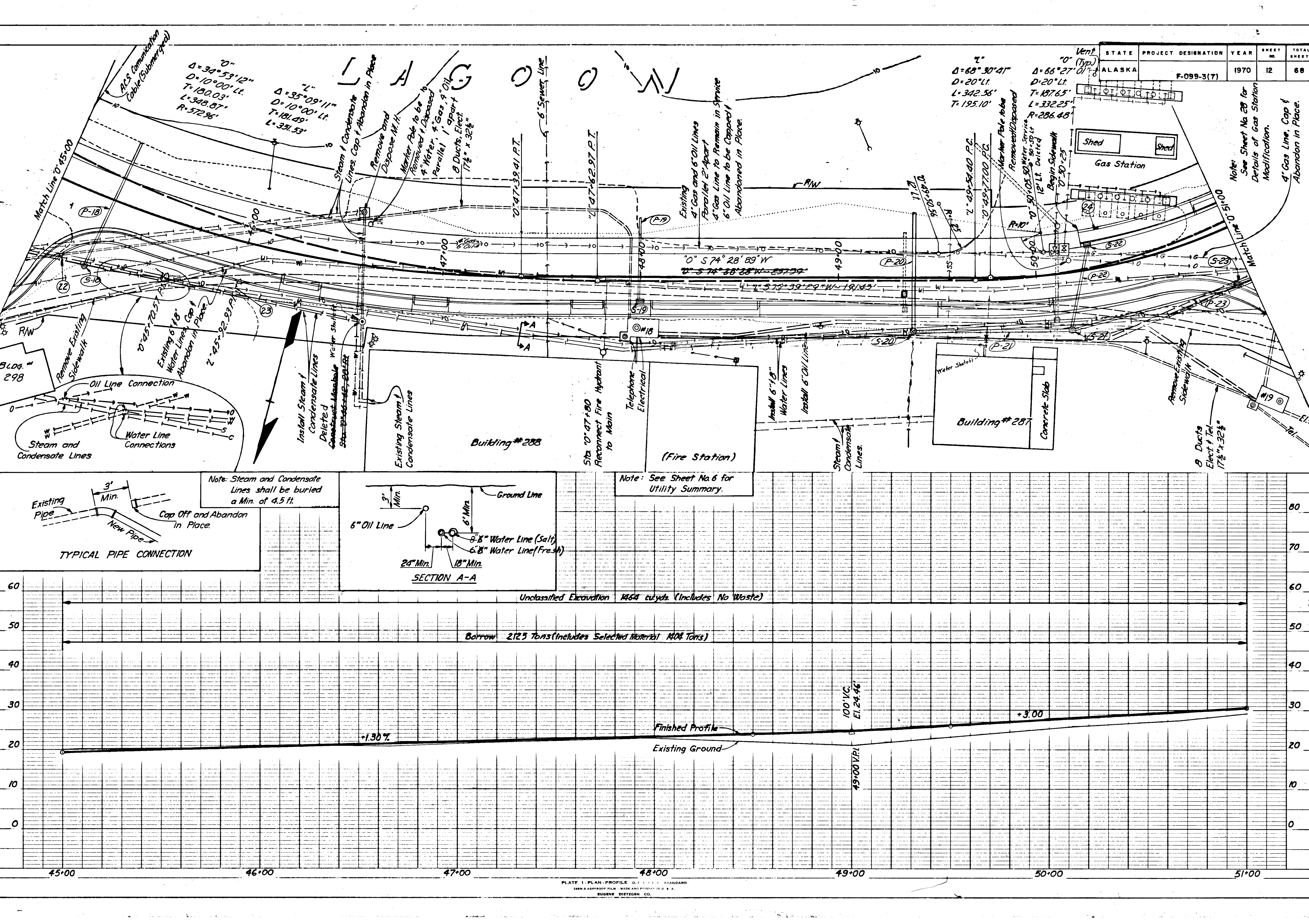


STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	F-099-3(7)	1970	9	68



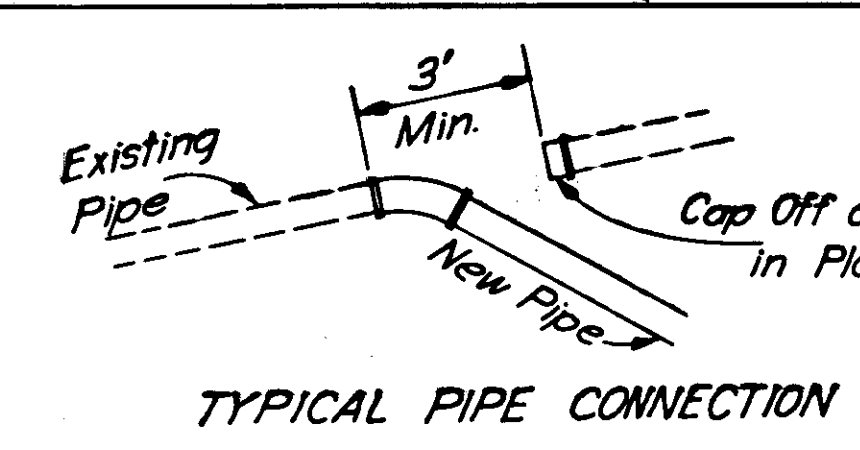
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	F-099-3(7)	1970	10	68



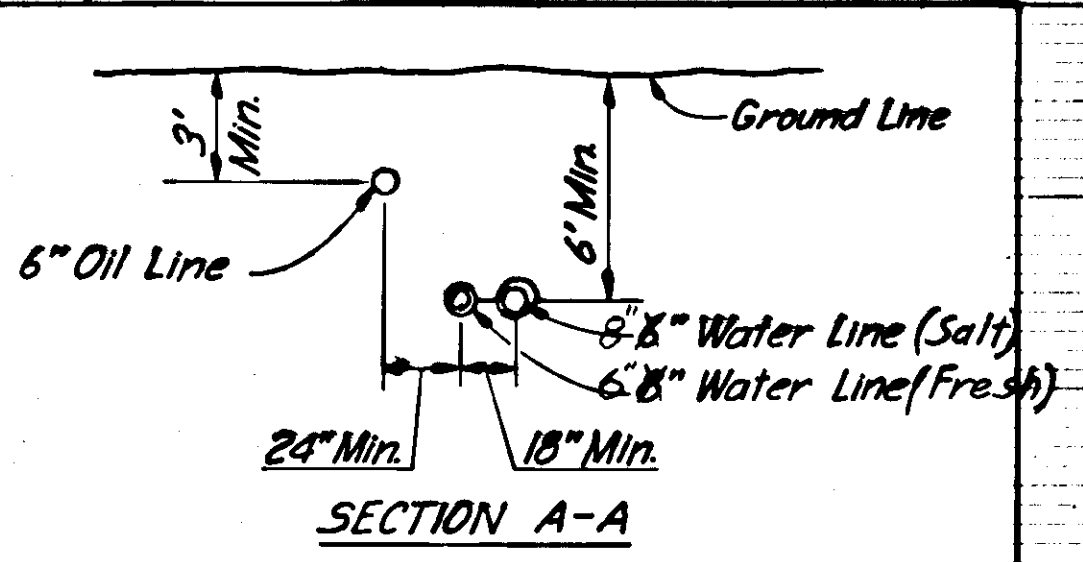


STATE	PROJECT DESIGNATION	YEAR	SHEET	TOTAL SHEETS
ALASKA	F-099-3(7)	1970	12	68

Note: See Sheet No. 28 for Details of Gas Station Modification.
4" Gas Line, Cap & Abandon in Place.



Note: Steam and Condensate Lines shall be buried a Min. of 4.5 ft.

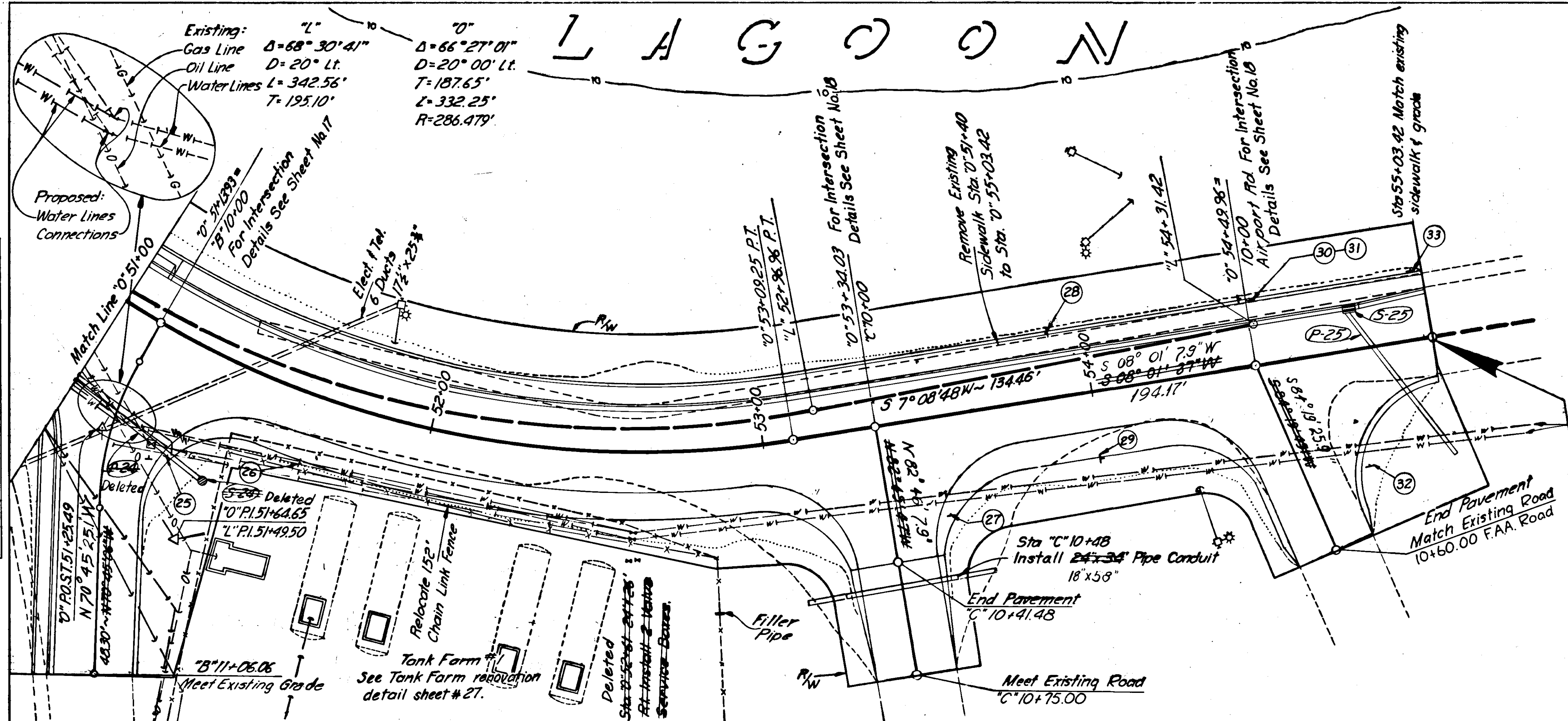


Note: See Sheet No. 6 for Utility Summary.

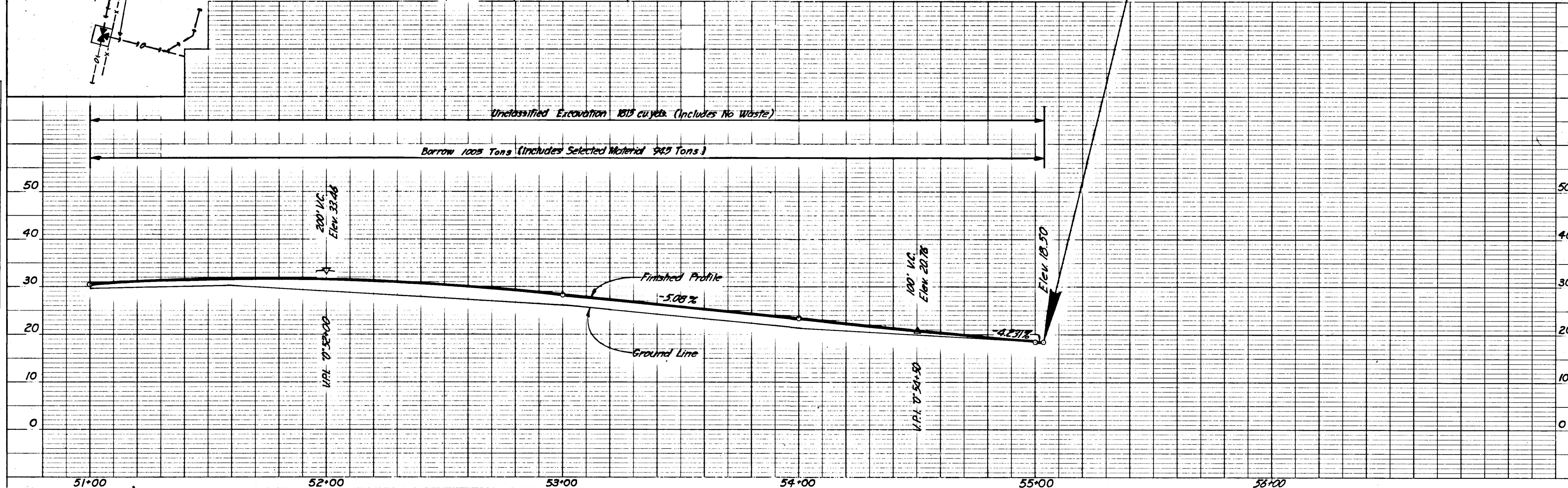
Unclassified Excavation 1464 cu.yds. (Includes No Waste)

Borrow 2125 Tons (Includes Selected Material 1404 Tons)

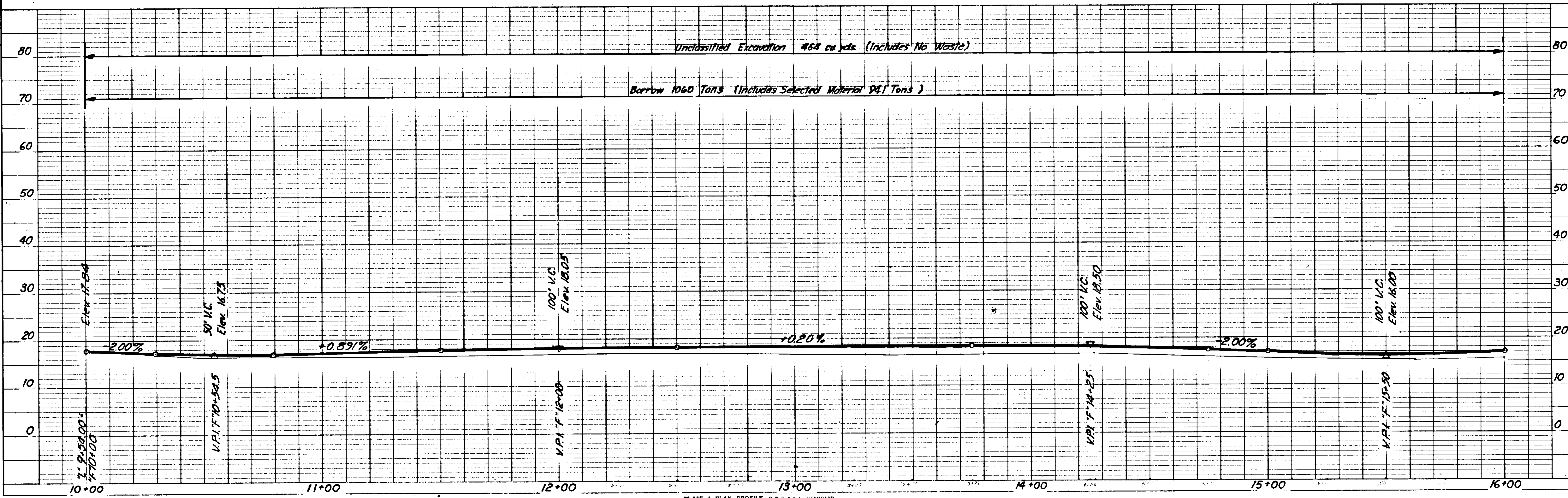
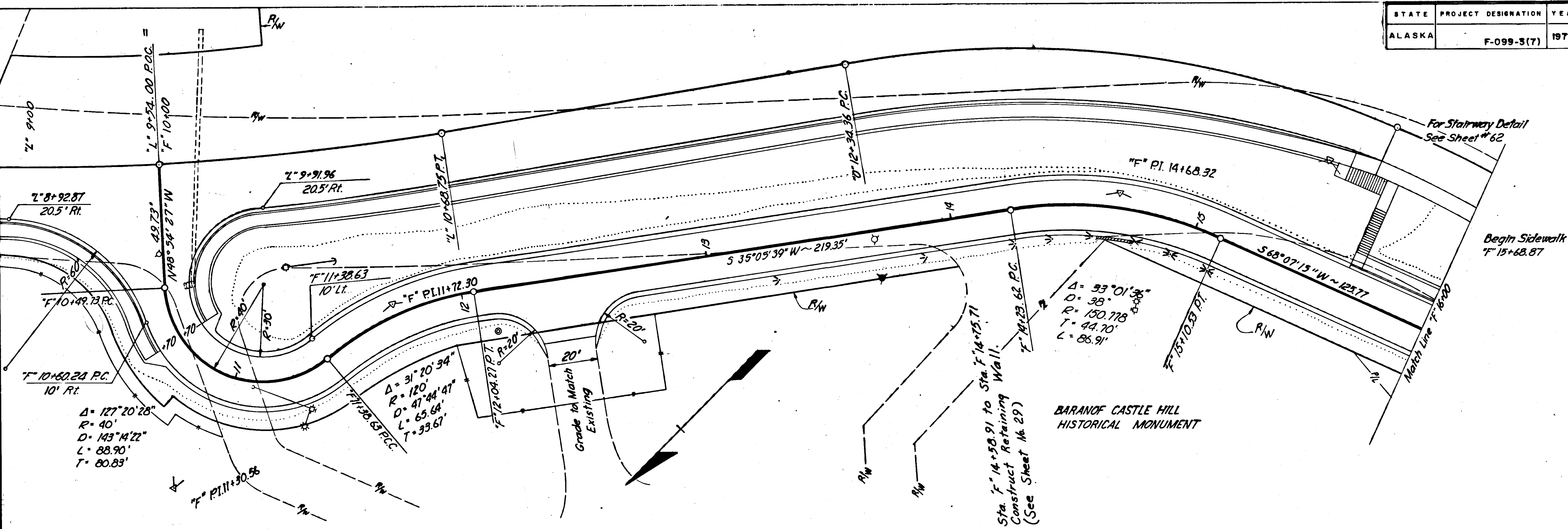
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.
ALASKA	F-099-3(7)	1970	13



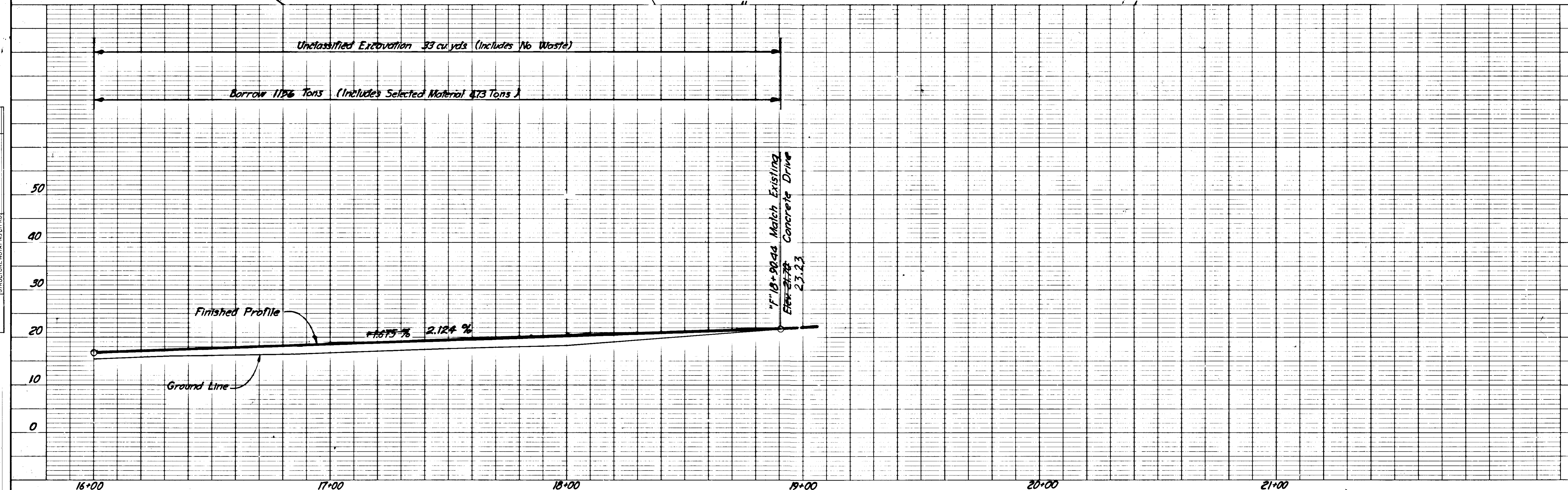
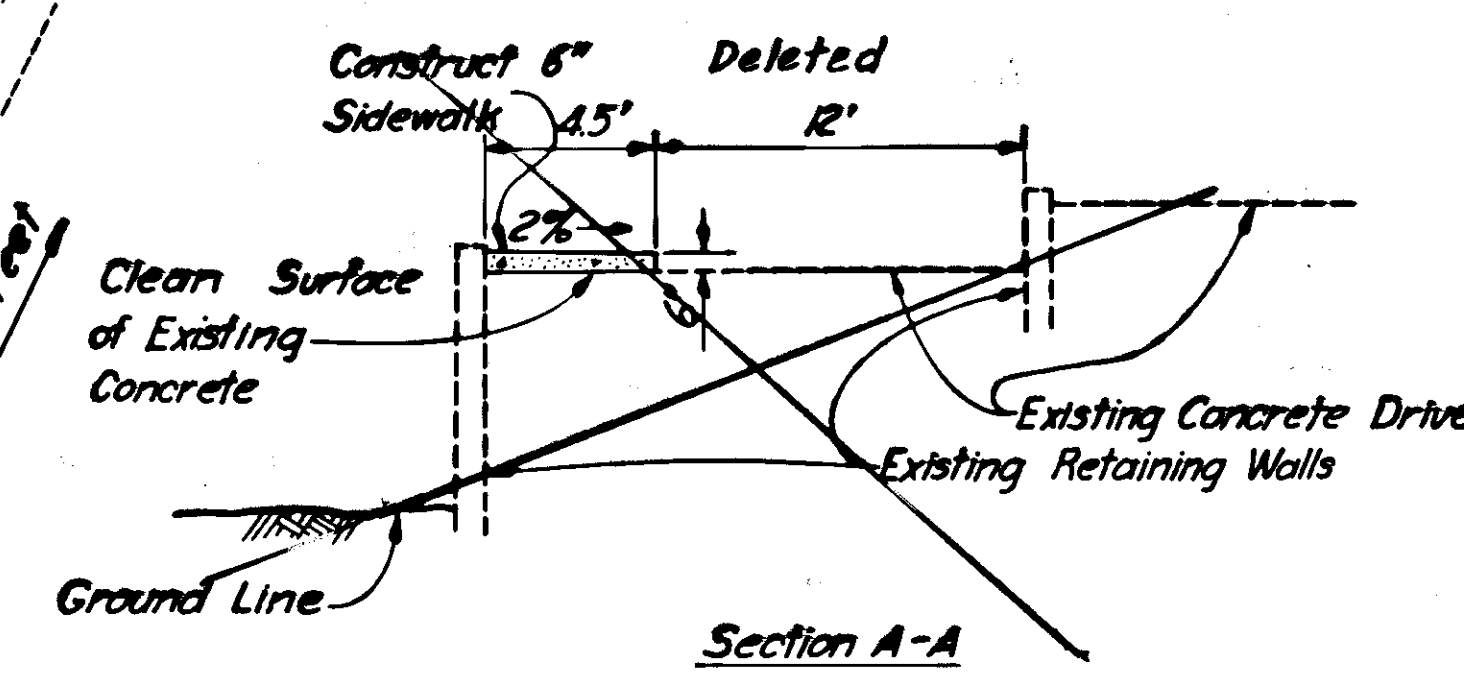
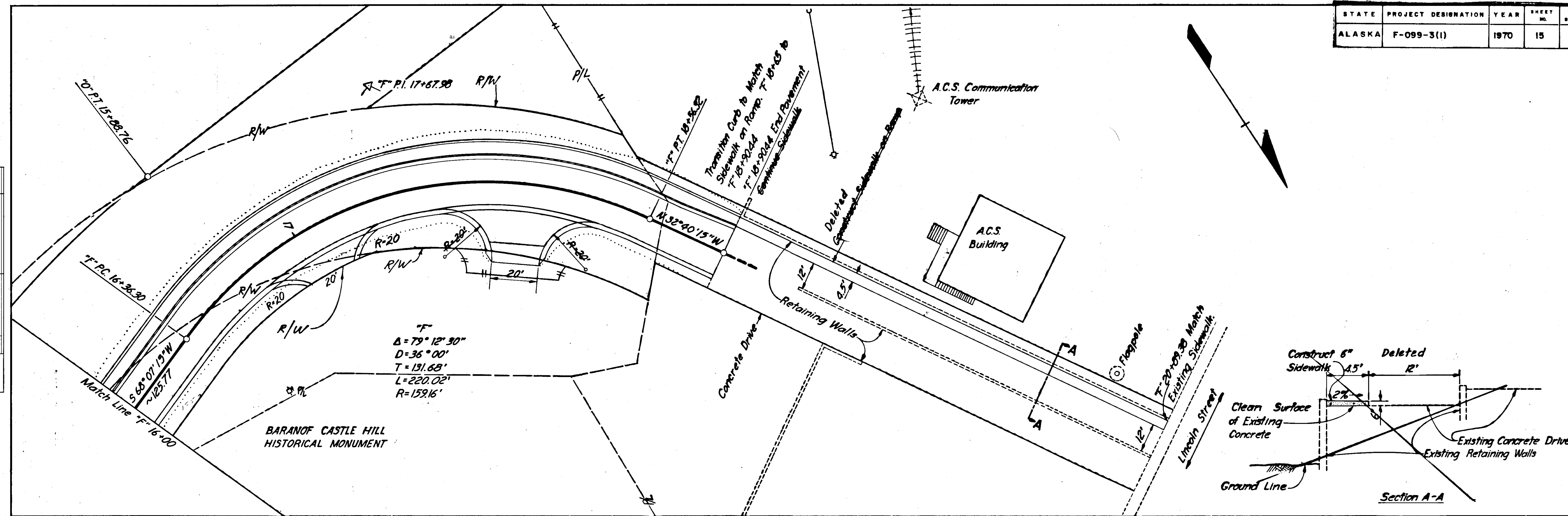
END OF PROJECT
F-099-3(7)
Sta. "0" 55+03.42



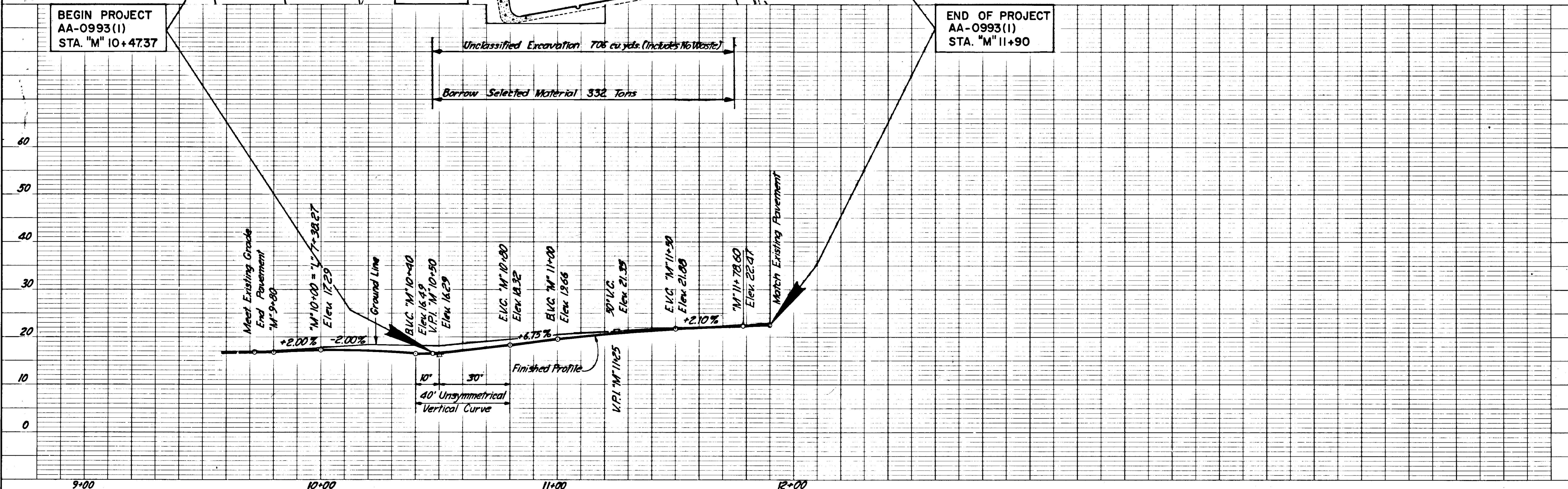
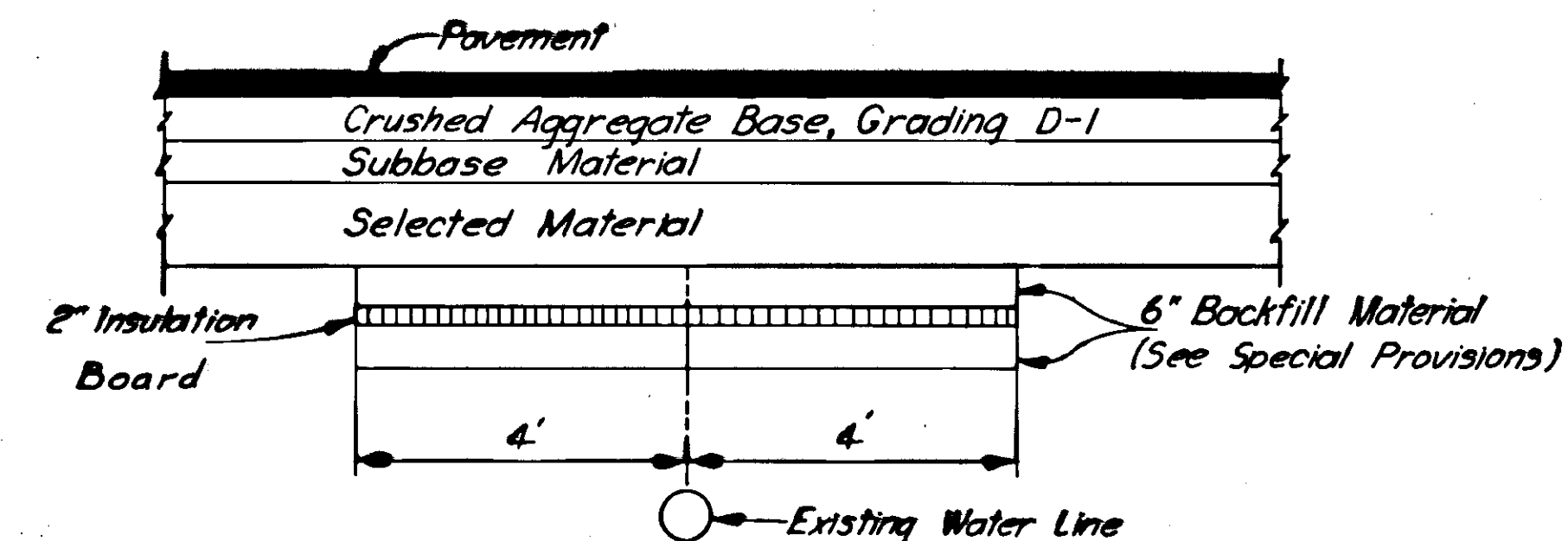
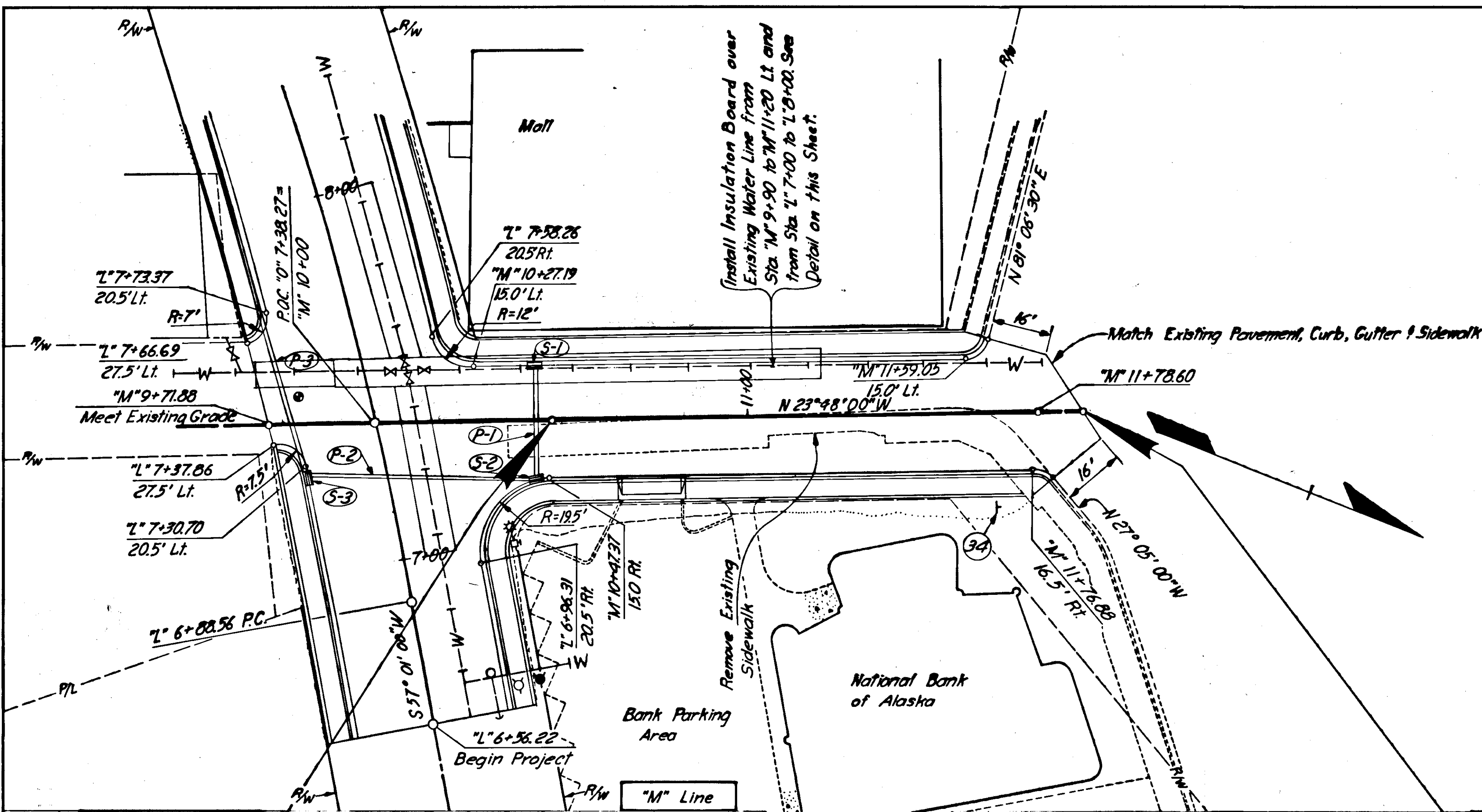
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	F-099-3(7)	1970	14	68



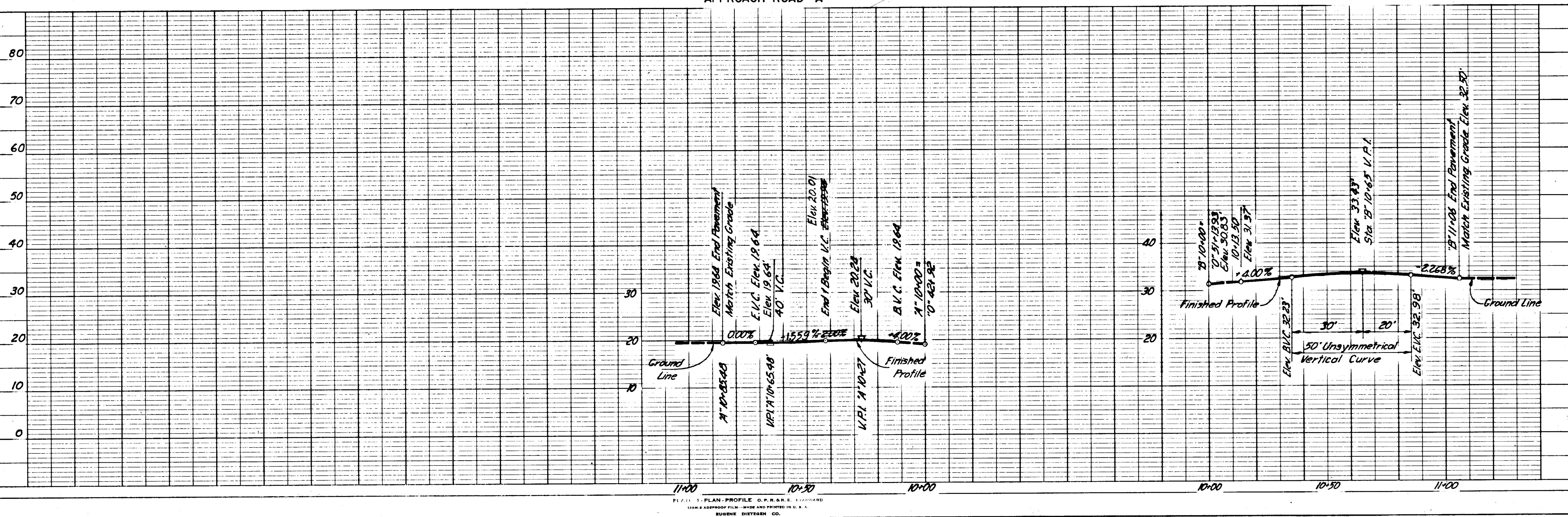
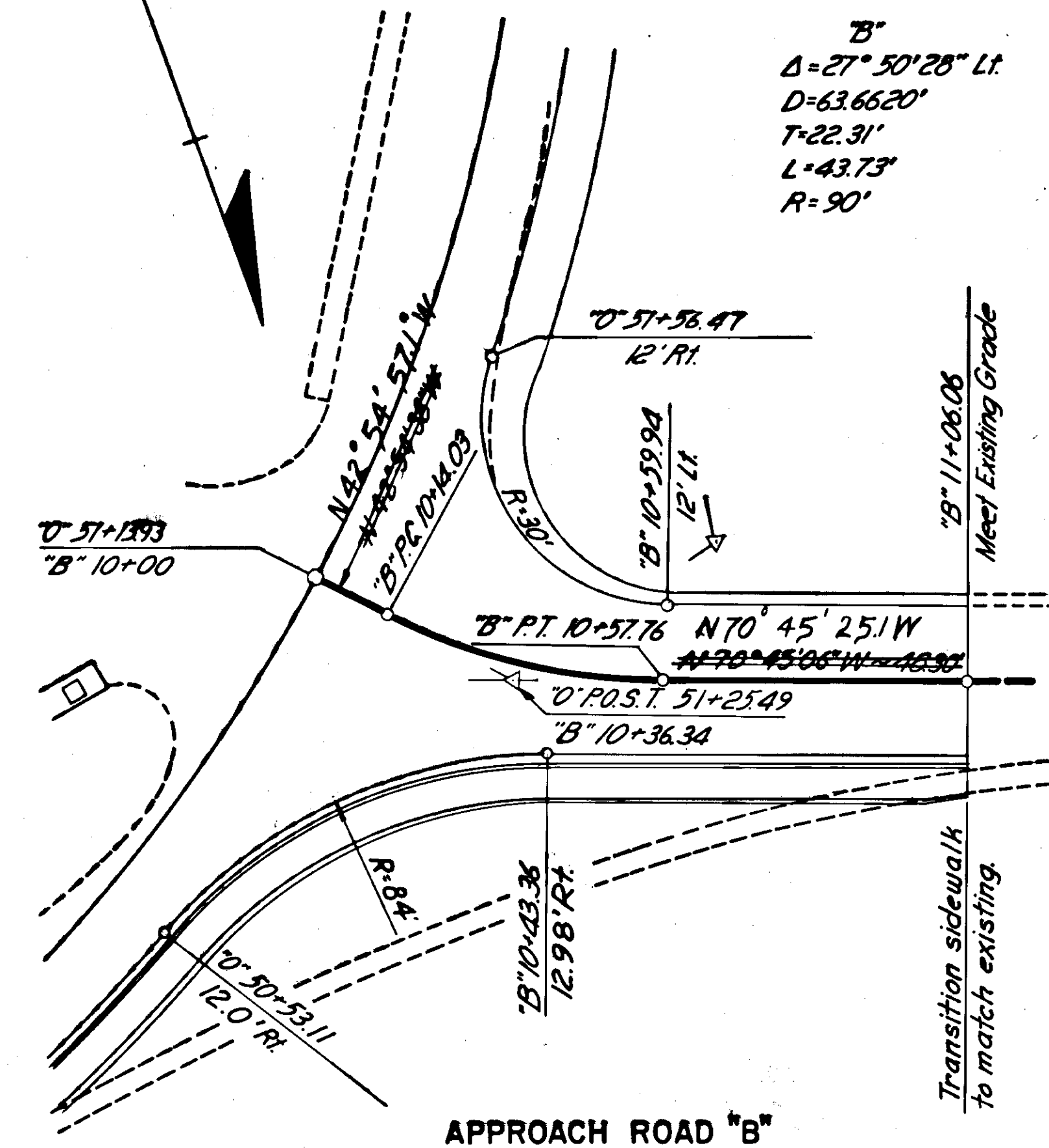
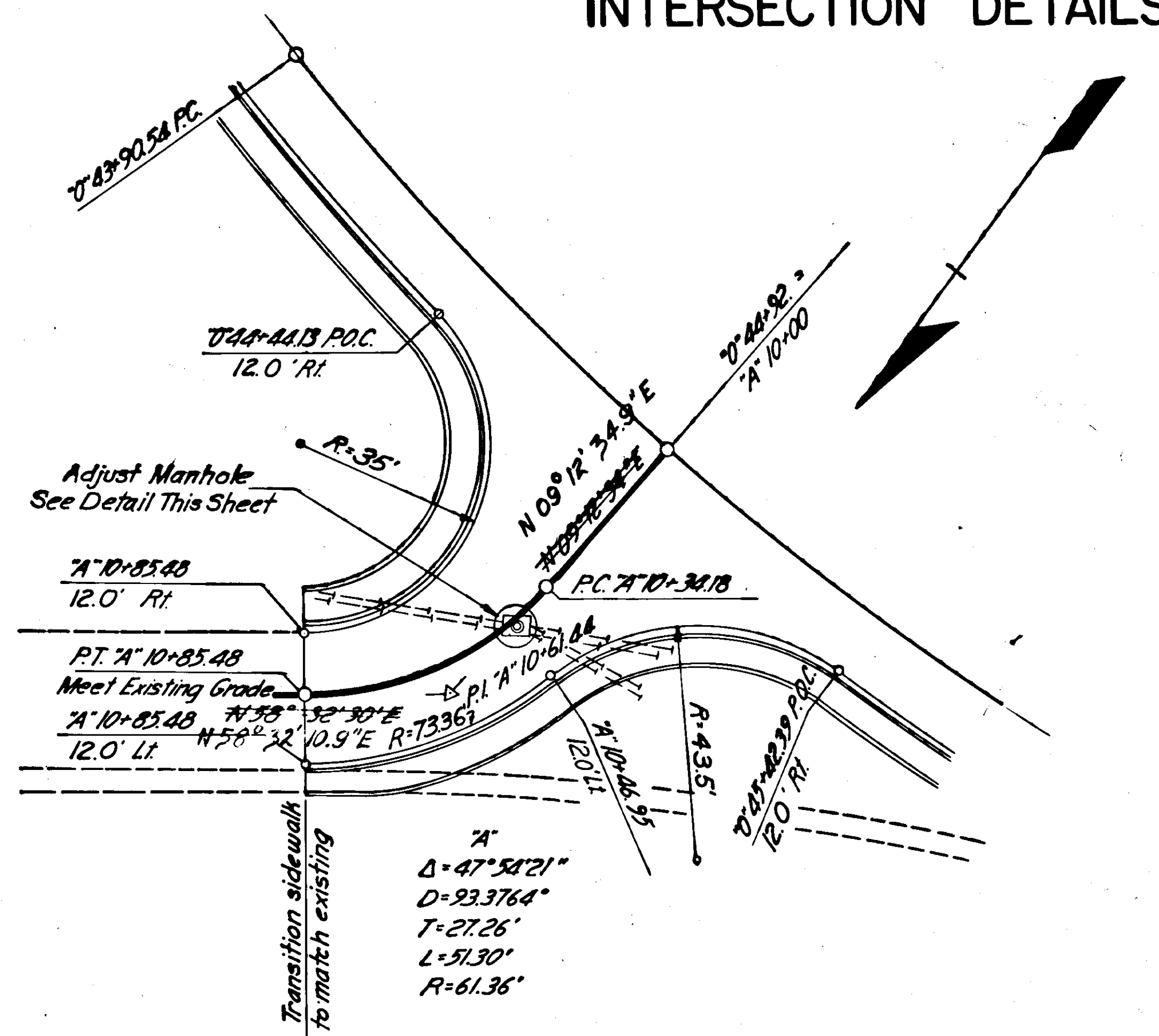
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.
ALASKA	F-099-3(1)	1970	15



STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	F-099-3(7) AA-0993(1)	1970	16	60

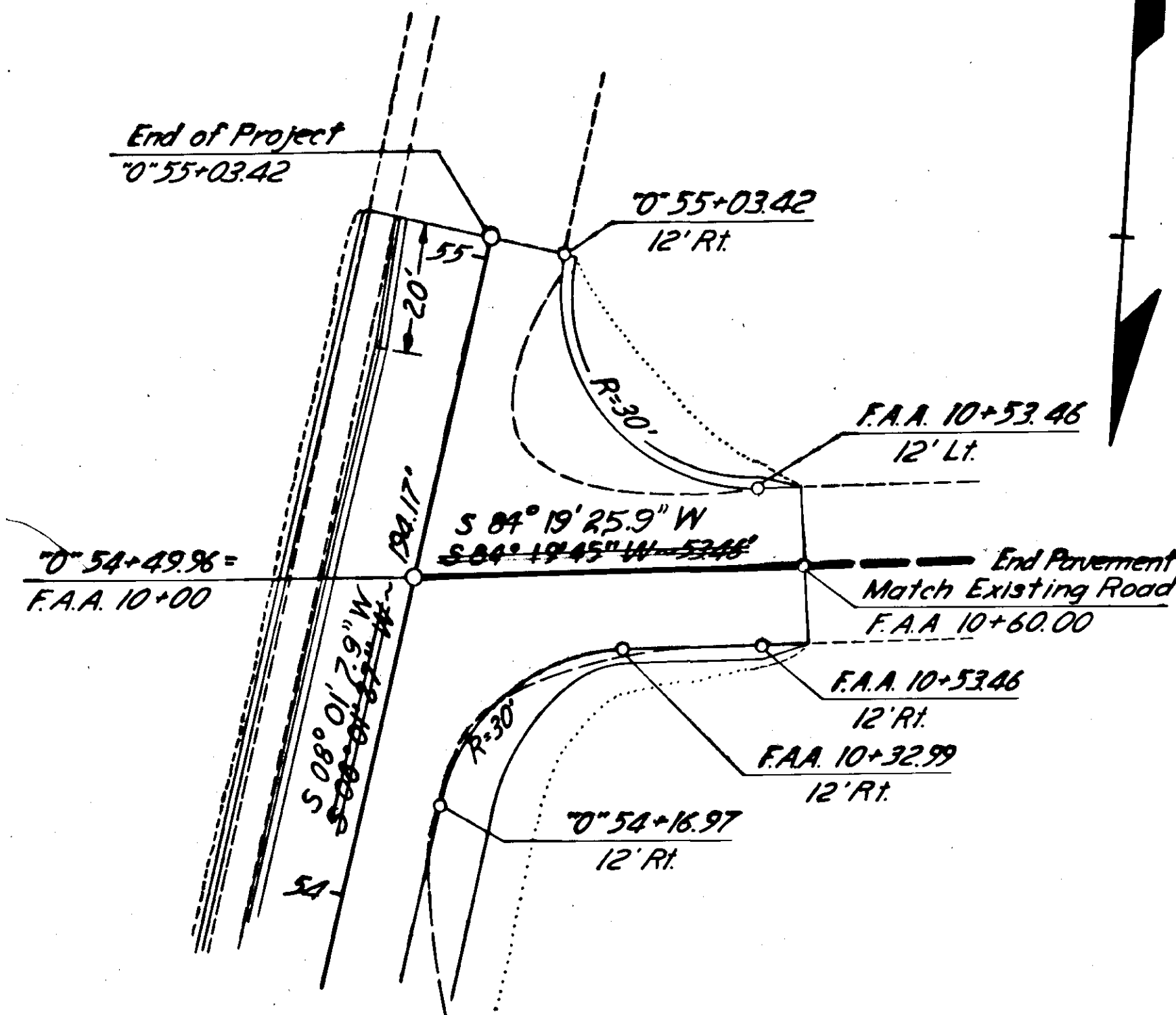
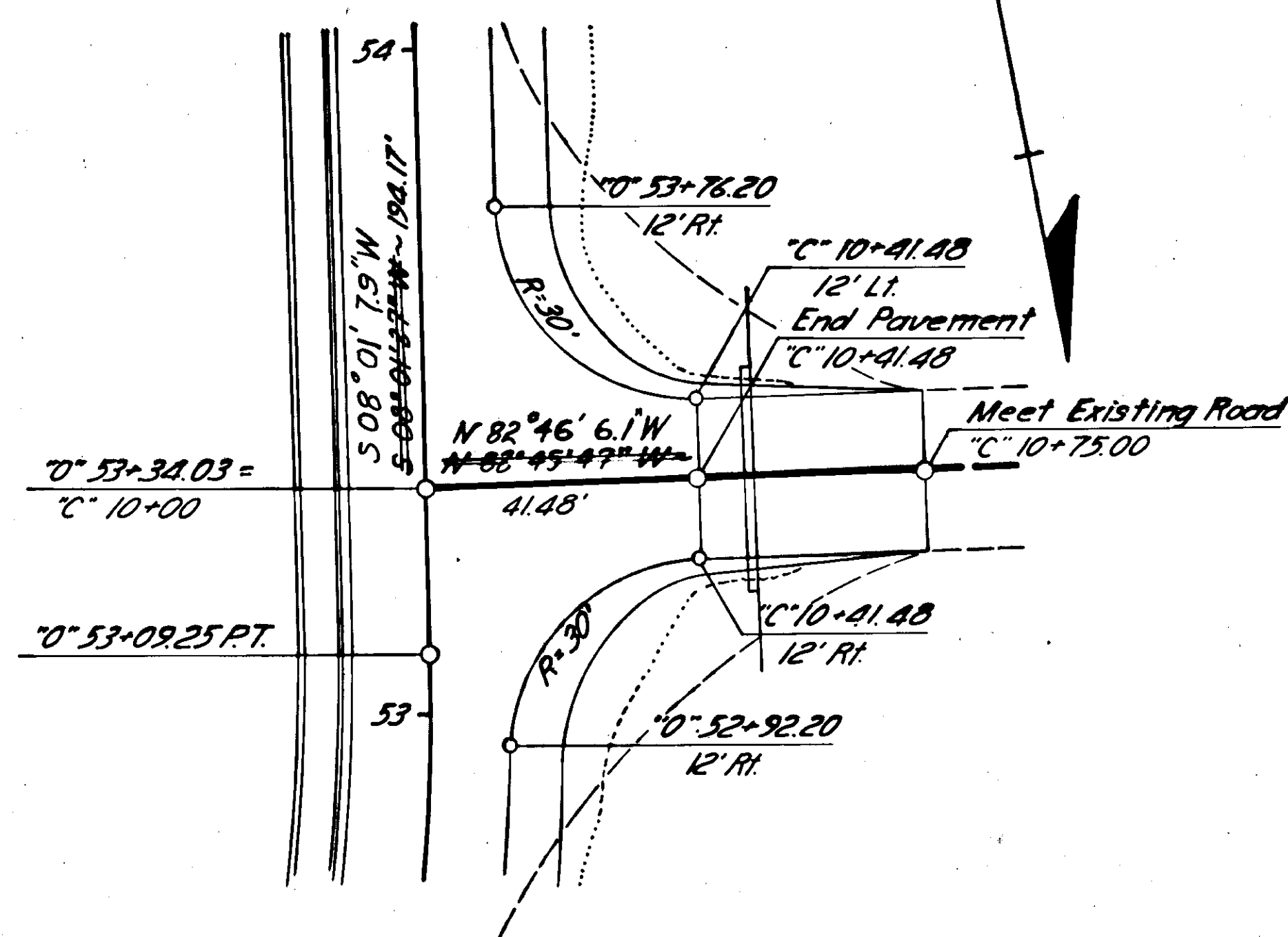


STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	F-099-3(7)	1970	17	68



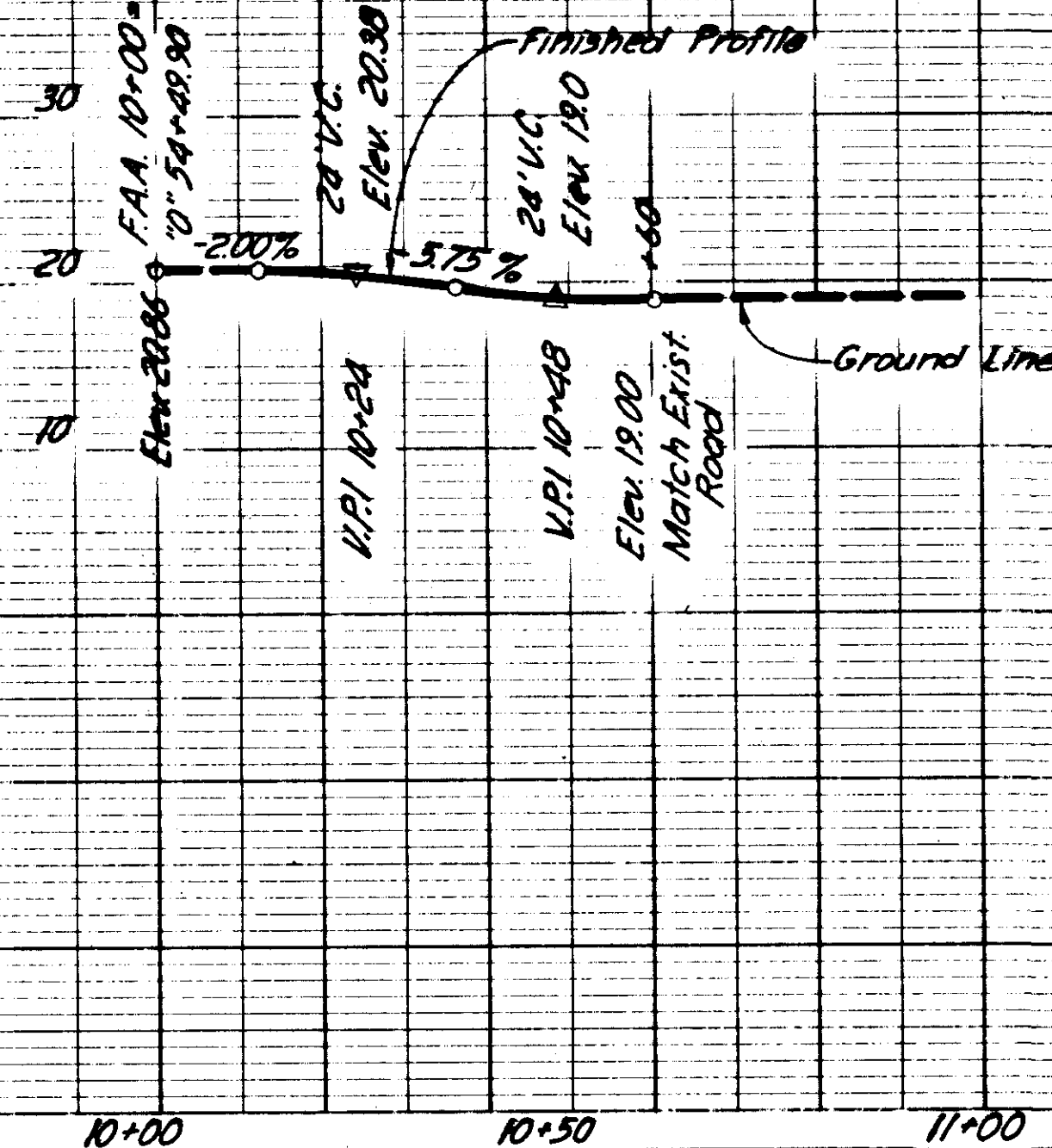
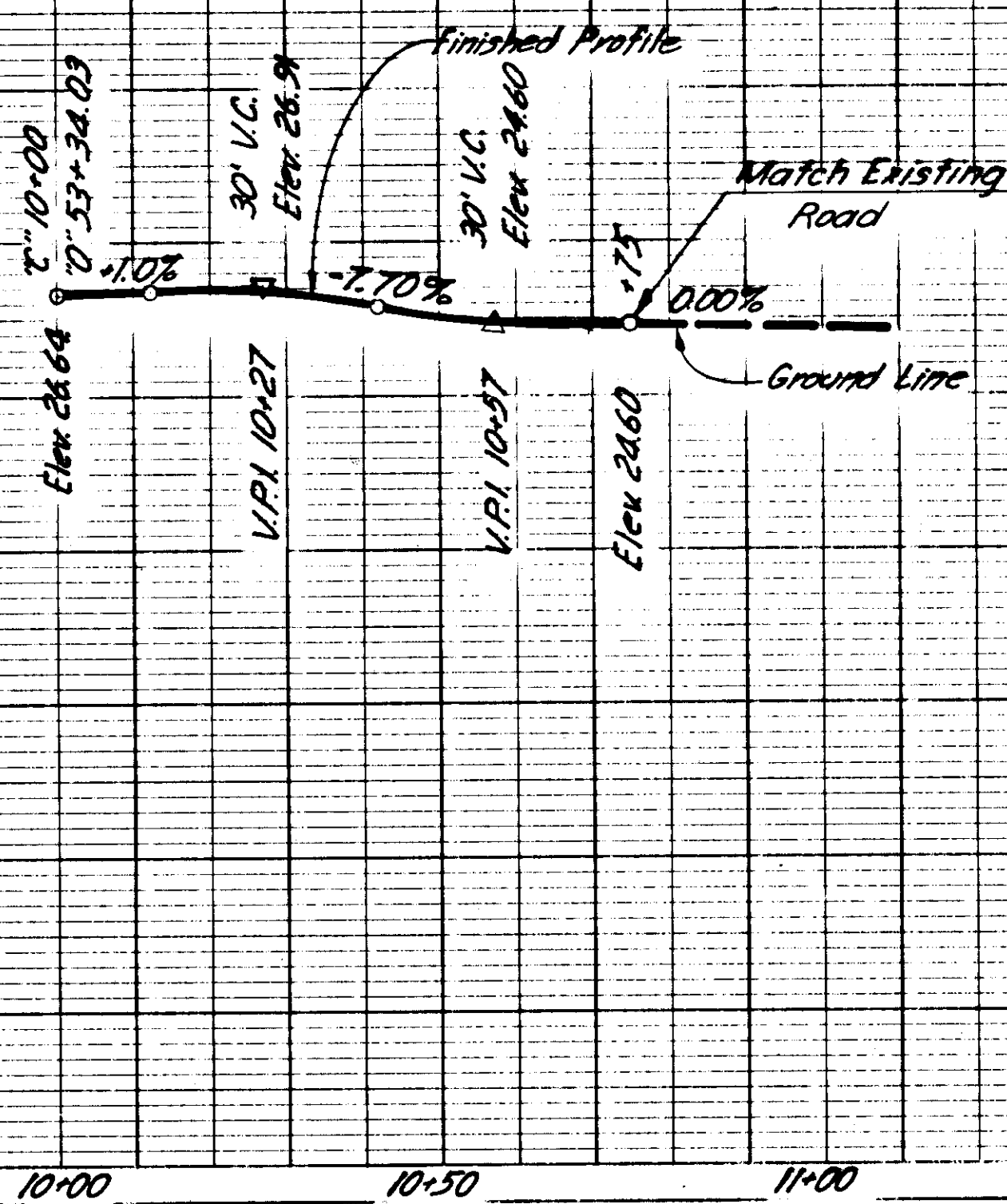
INTERSECTION DETAILS

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	F-099-3(7)	1968	18	68

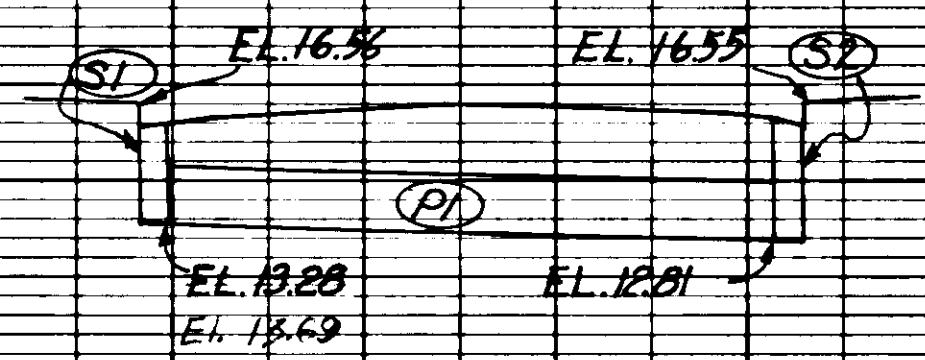


"C" APPROACH ROAD

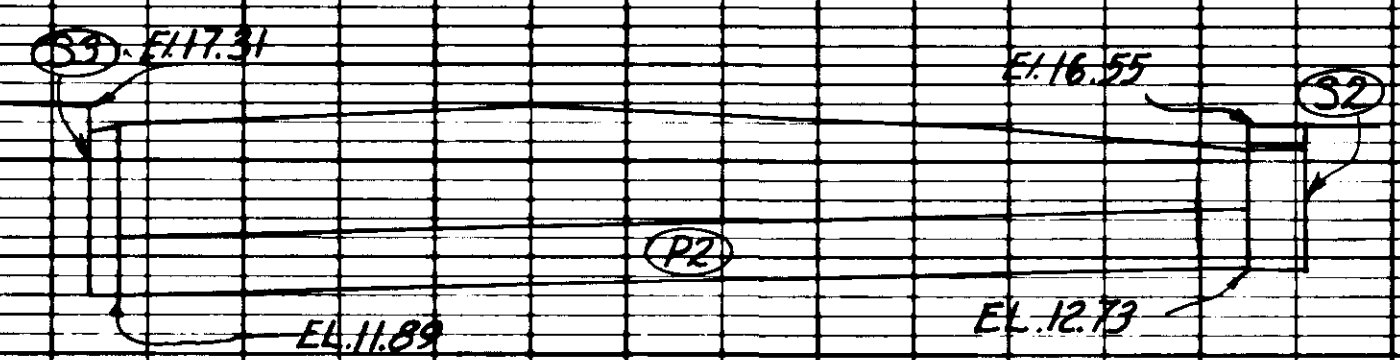
F.A.A. APPROACH ROAD to AIRPORT



DRAINAGE PROFILES



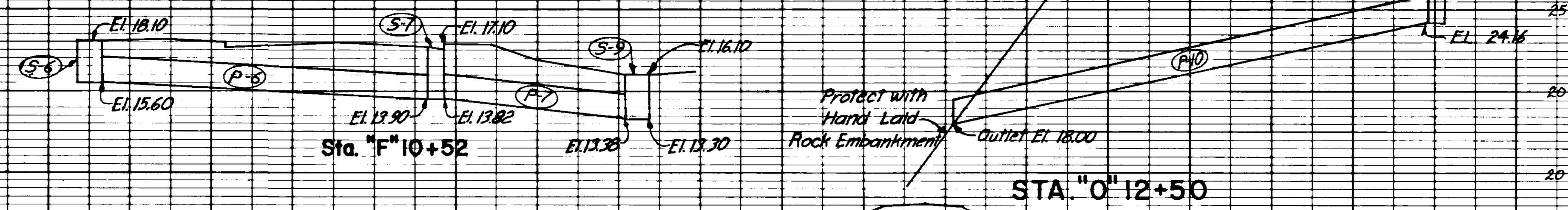
STA. "M" 10+43.05



STA. "L" 7+29.31 to STA. "M" 10+43.05

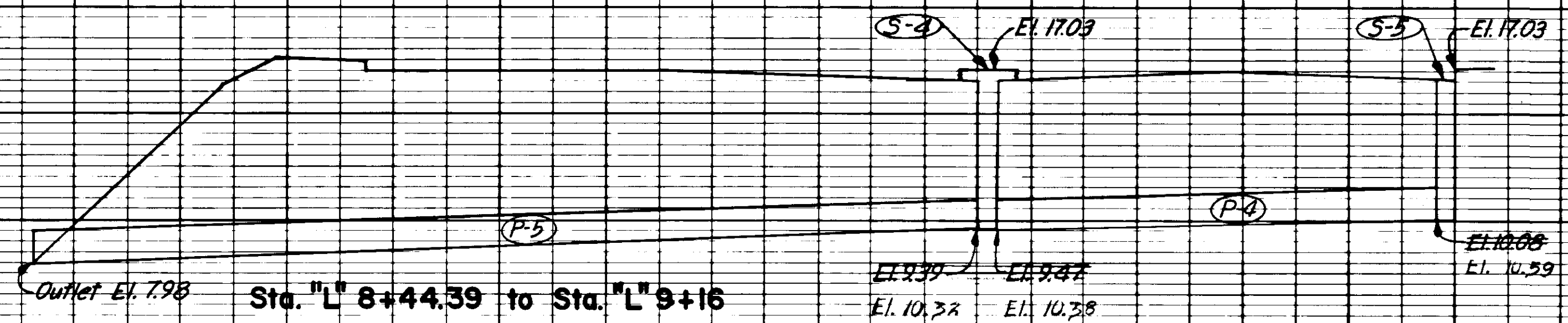


STA. "L" 7+29.31 to STA. "L" 8+44.39

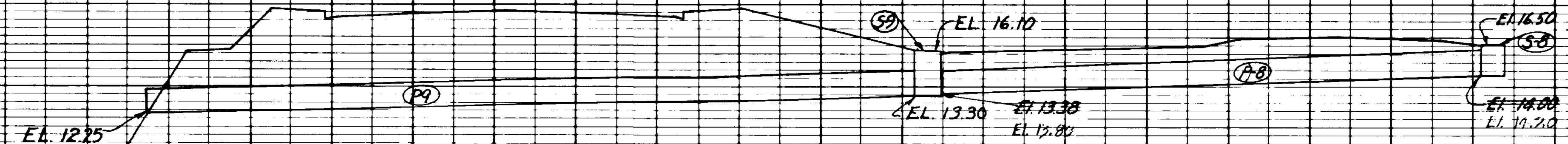


Sta. "F" 10+52

STA. "O" 12+50



Sta. "L" 8+44.39 to Sta. "L" 9+16



Sta. "F" 10+52 to "F" 11+45

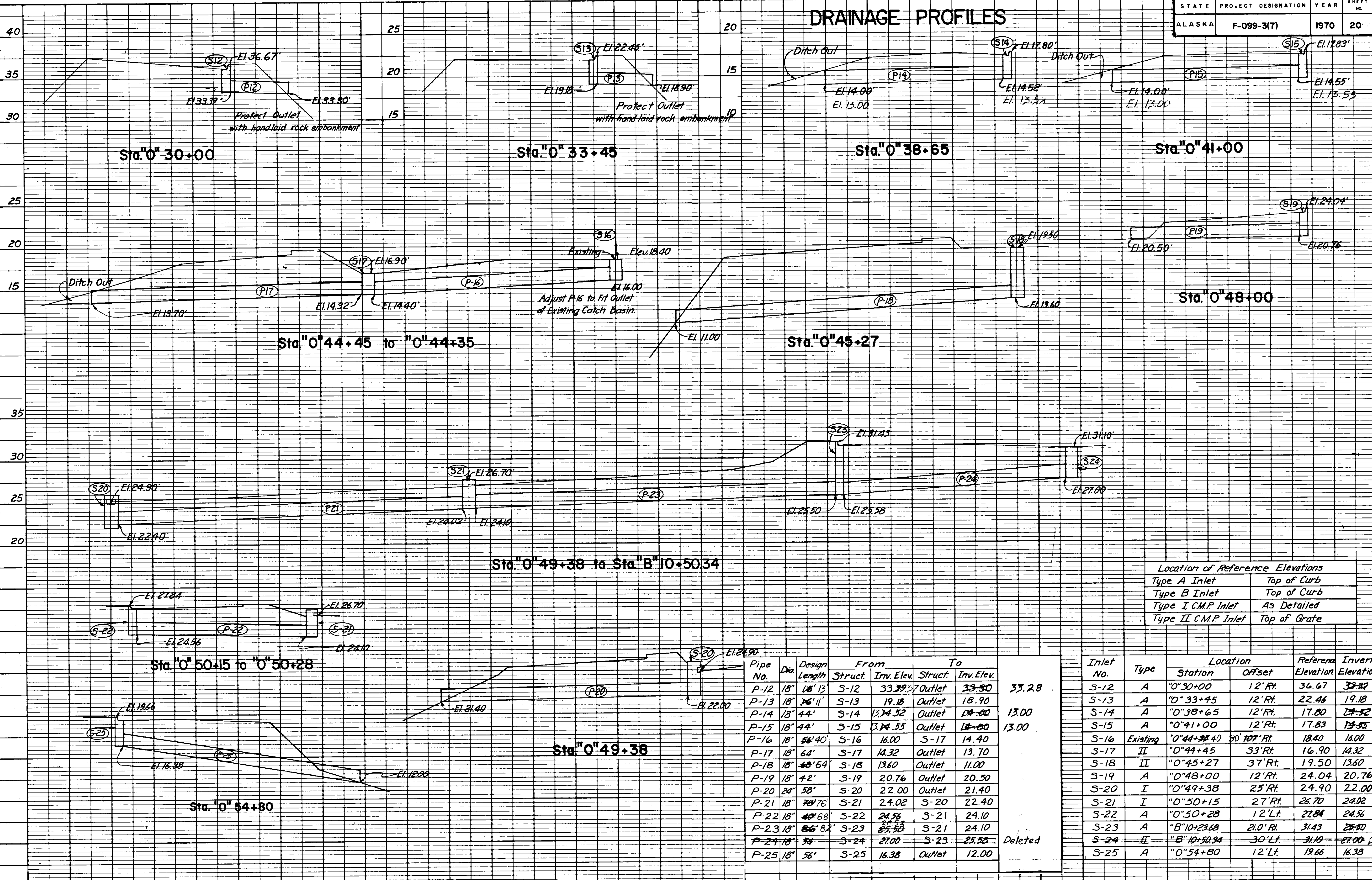
Inlet No.	Type	Location		Reference Elevation	Invert Elevation
		Station	Offset		
S-1	A	"M" 10+43.05	15.0 Lt.	16.56	13.28.69
S-2	A	"M" 10+43.05	15.26 Rt.	16.55	12.73
S-3	A	"L" 7+29.31	20.5 Lt.	17.31	11.81
S-4	B	"L" 8+44.39	20.5 Rt.	17.03	9.39
S-5	A	"L" 8+44.39	20.5 Lt.	17.03	10.08.59
S-6	II	"F" 10+52	30.0 Rt.	18.10	15.60
S-7	A	"F" 10+52	10.0 Lt.	17.10	13.82
S-8	II	"F" 11+45	17.0 Rt.	16.50	14.00.20
S-9	II	"F" 10+52	34.0 Lt.	16.10	13.90.89
S-10	A	"O" 12+50	19.22 Rt.	27.44	24.16
S-11	II	"F" 15+53	17.0 Rt.	14.90	12.40

Location of Reference Elevations	
Type A Inlet	Top of Curb
Type B Inlet	Top of Curb
Type I C.M.P. Inlet	As Detailed
Type II C.M.P. Inlet	Top of Grate

Pipe No.	Dia.	Design Length	From		To		Remarks
			Struct.	Inv. Elev.	Struct.	Inv. Elev.	
P-1	18"	30'	S-1	13.28.69	S-2	12.81	
P-2	18"	62' 60"	S-2	12.73	S-3	11.81	
P-3	18"	108'	S-3	11.81	S-5	10.08.59	10.67
P-4	18"	42' 40"	S-5	10.08.59	S-4	9.47	10.38
P-5	18"	90' 100"	S-4	10.38.32	Outlet	7.98	
P-6	18"	42' 42"	S-6	15.60	S-7	13.90	
P-7	18"	22' 30"	S-7	13.82	S-9	13.38	
P-8	18"	60' 59"	S-8	14.00.20	S-9	13.89	
P-9	18"	106'	S-9	13.30	Outlet	12.25	
P-10	18"	60'	S-10	24.16	Outlet	18.00	Protect Outlet with Rock Embankment
P-11	18"	106' 116"	S-11	12.40	Outlet	11.00	Skew 24° Lt. Ahead

DRAINAGE PROFILES

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	F-099-3(7)	1970	20	6



Location of Reference Elevations	
Type A Inlet	Top of Curb
Type B Inlet	Top of Curb
Type I C.M.P. Inlet	As Detailed
Type II C.M.P. Inlet	Top of Grate

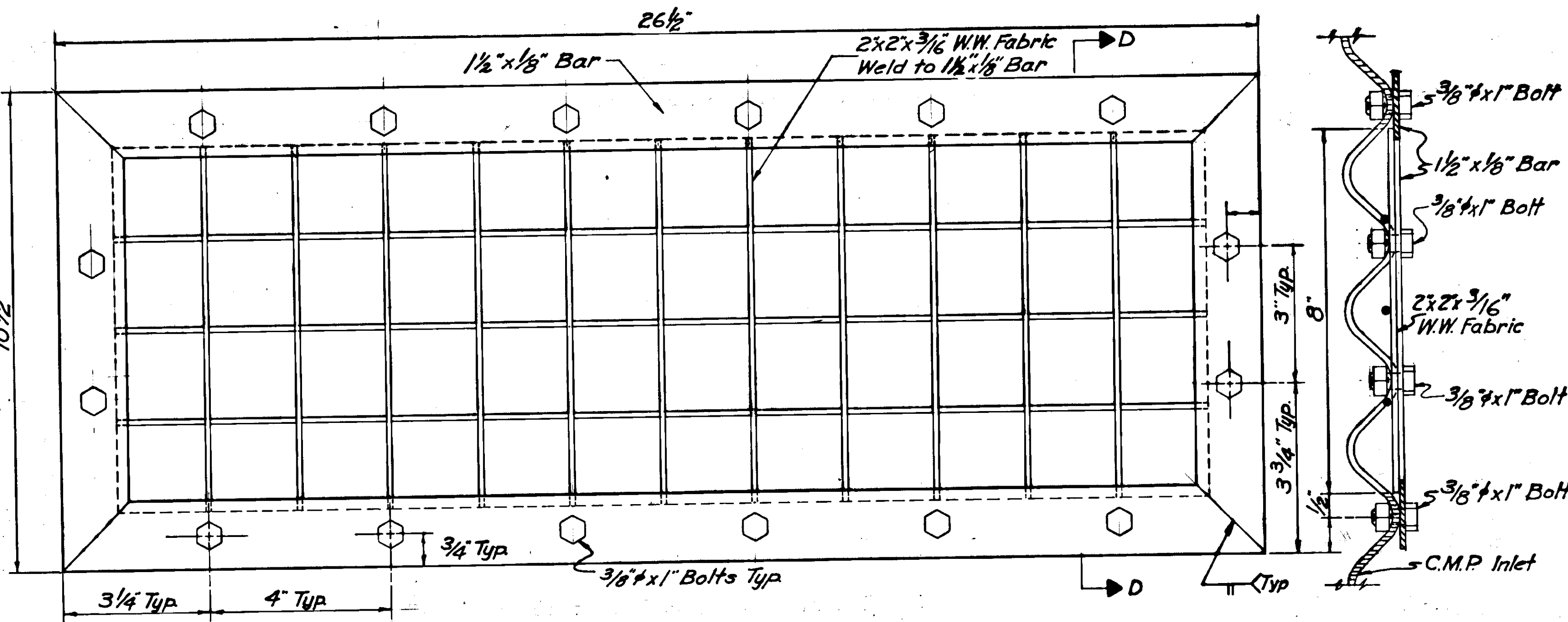
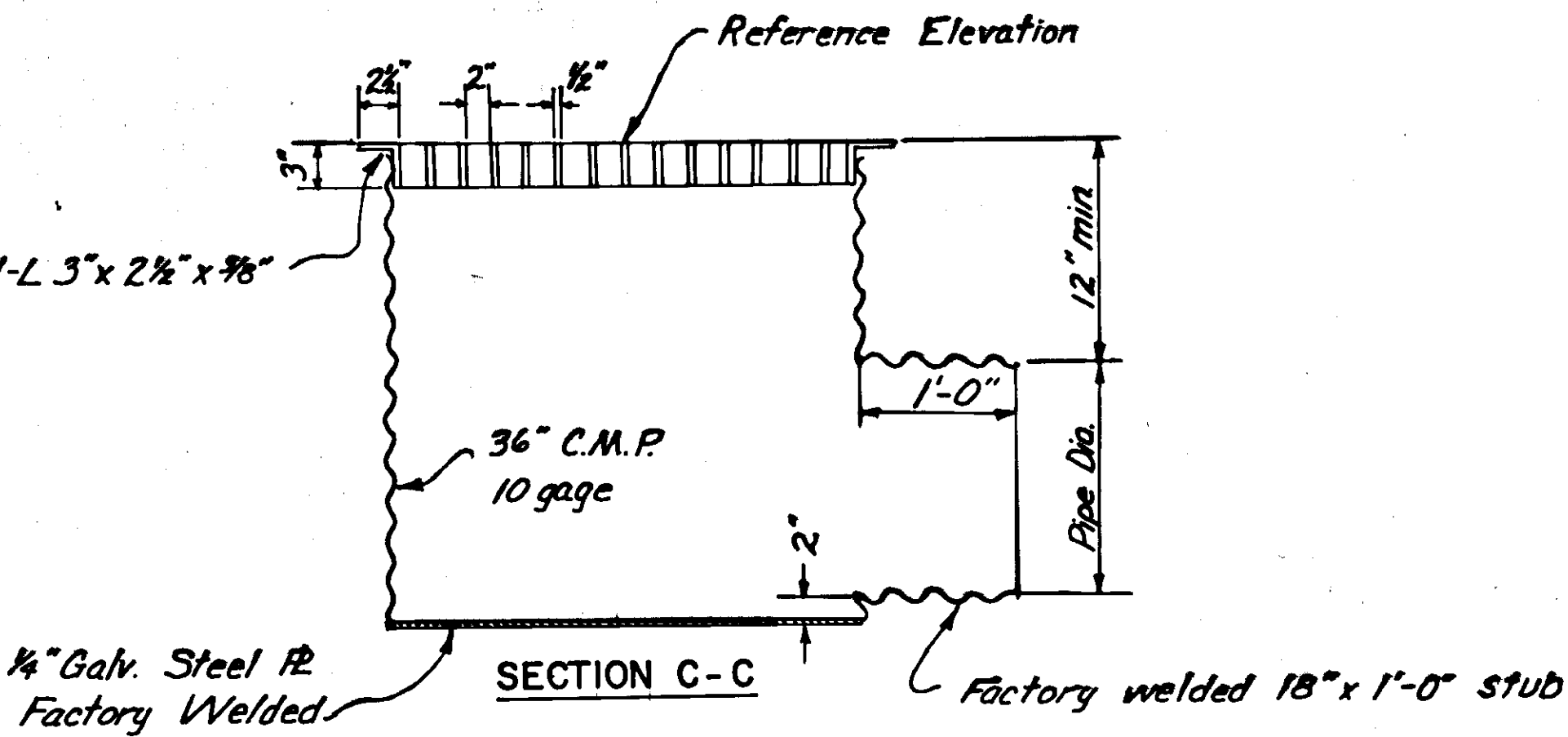
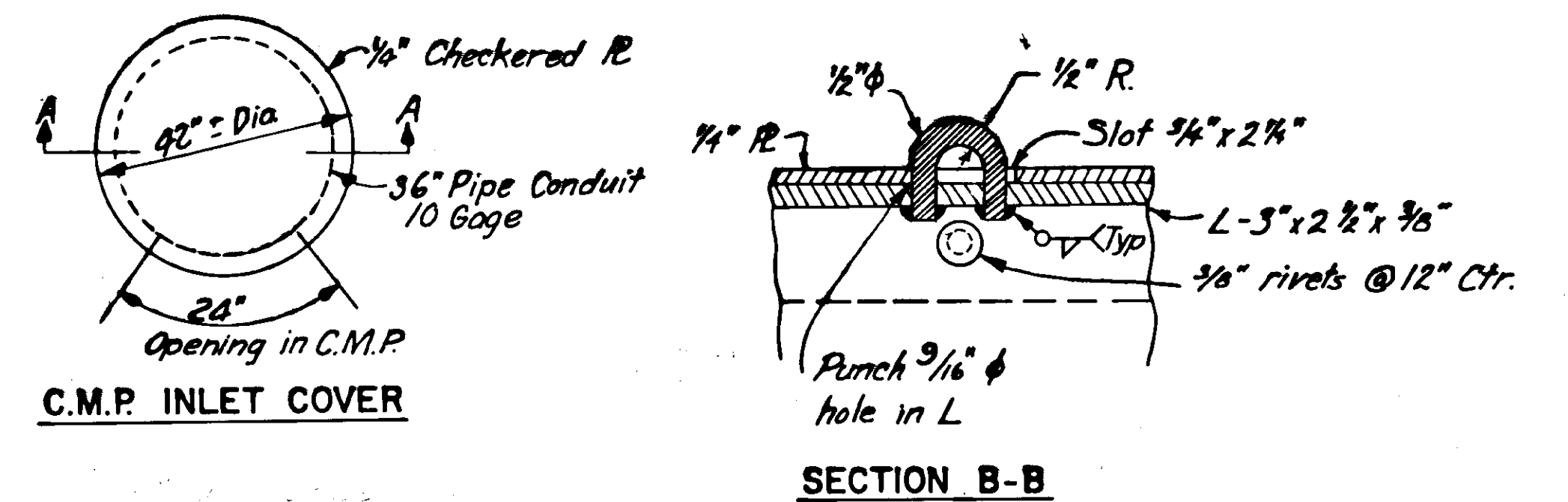
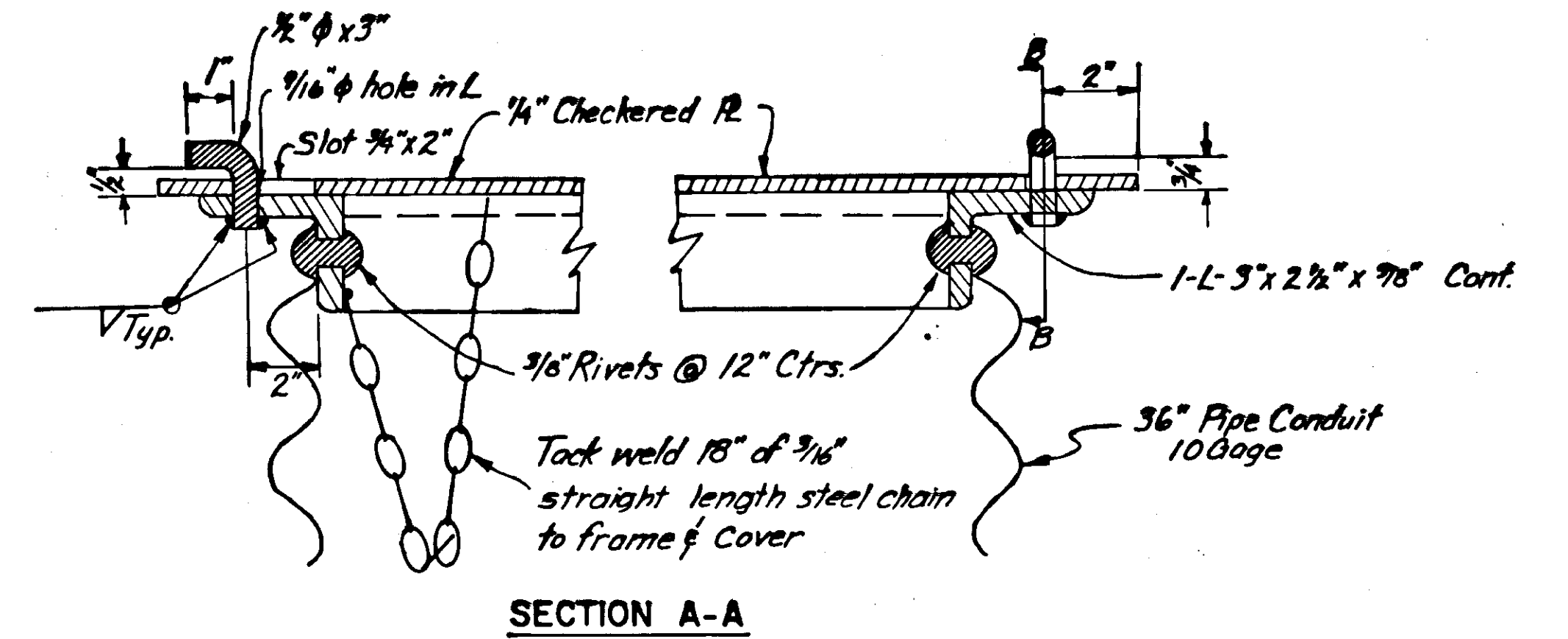
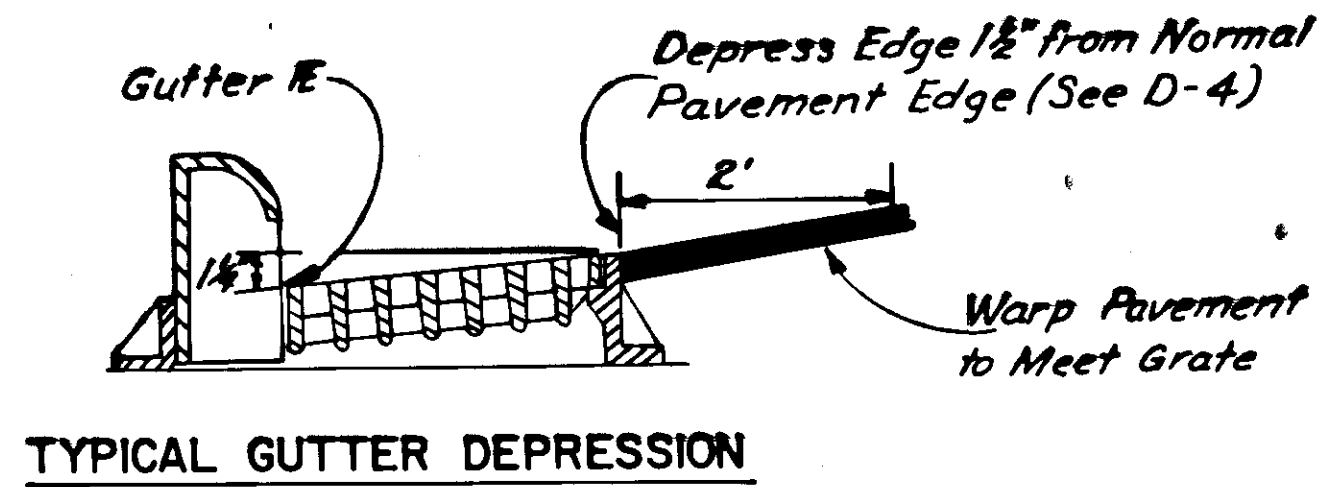
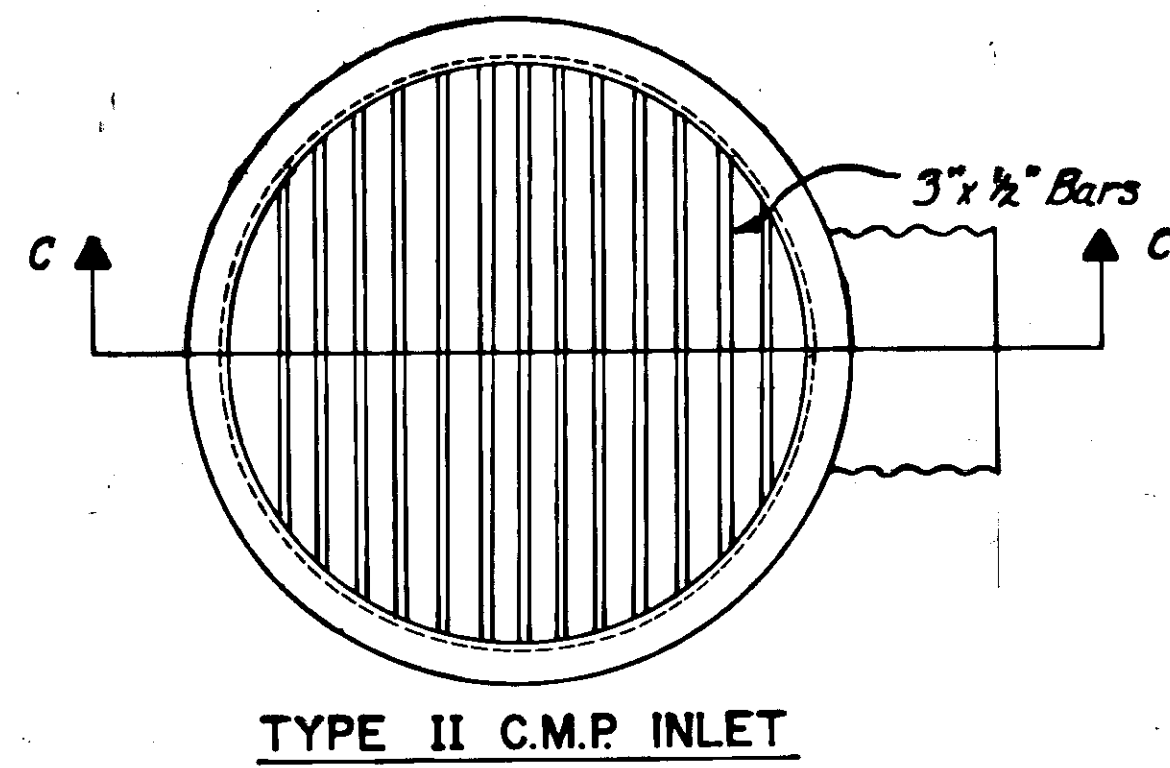
Pipe No.	Dia.	Design Length	From		To		
			Struct.	Inv. Elev.	Struct.	Inv. Elev.	
P-12	18"	13'	S-12	33.39	Outlet	33.80	33.28
P-13	18"	11'	S-13	19.18	Outlet	18.90	
P-14	18"	44'	S-14	13.52	Outlet	13.00	13.00
P-15	18"	44'	S-15	13.55	Outlet	13.00	13.00
P-16	18"	56' 40"	S-16	16.00	S-17	14.40	
P-17	18"	64'	S-17	14.32	Outlet	13.70	
P-18	18"	66' 64"	S-18	13.60	Outlet	11.00	
P-19	18"	42'	S-19	20.76	Outlet	20.50	
P-20	24"	58'	S-20	22.00	Outlet	21.40	
P-21	18"	78' 76"	S-21	24.02	S-20	22.40	
P-22	18"	40' 68"	S-22	24.56	S-21	24.10	
P-23	18"	56' 82"	S-23	25.58	S-21	24.10	
P-24	18"	54'	S-24	27.00	S-23	25.58	Deleted
P-25	18"	56'	S-25	16.38	Outlet	12.00	

Inlet No.	Type	Location		Reference Elevation	Invert Elevation
		Station	Offset		
S-12	A	"0" 30+00	12' Rt.	36.67	33.39
S-13	A	"0" 33+45	12' Rt.	22.46	19.18
S-14	A	"0" 38+65	12' Rt.	17.80	13.52
S-15	A	"0" 41+00	12' Rt.	17.83	13.55
S-16	Existing	"0" 44+35	30' 107' Rt.	18.40	16.00
S-17	II	"0" 44+45	33' Rt.	16.90	14.32
S-18	II	"0" 45+27	37' Rt.	19.50	13.60
S-19	A	"0" 48+00	12' Rt.	24.04	20.76
S-20	I	"0" 49+38	25' Rt.	24.90	22.00
S-21	I	"0" 50+15	27' Rt.	26.70	24.02
S-22	A	"0" 50+28	12' Lt.	27.84	24.56
S-23	A	"B" 10+23.68	21.0' Rt.	31.43	25.58
S-24	II	"B" 10+50.34	30' Lt.	31.10	27.00
S-25	A	"0" 54+80	12' Lt.	19.66	16.38

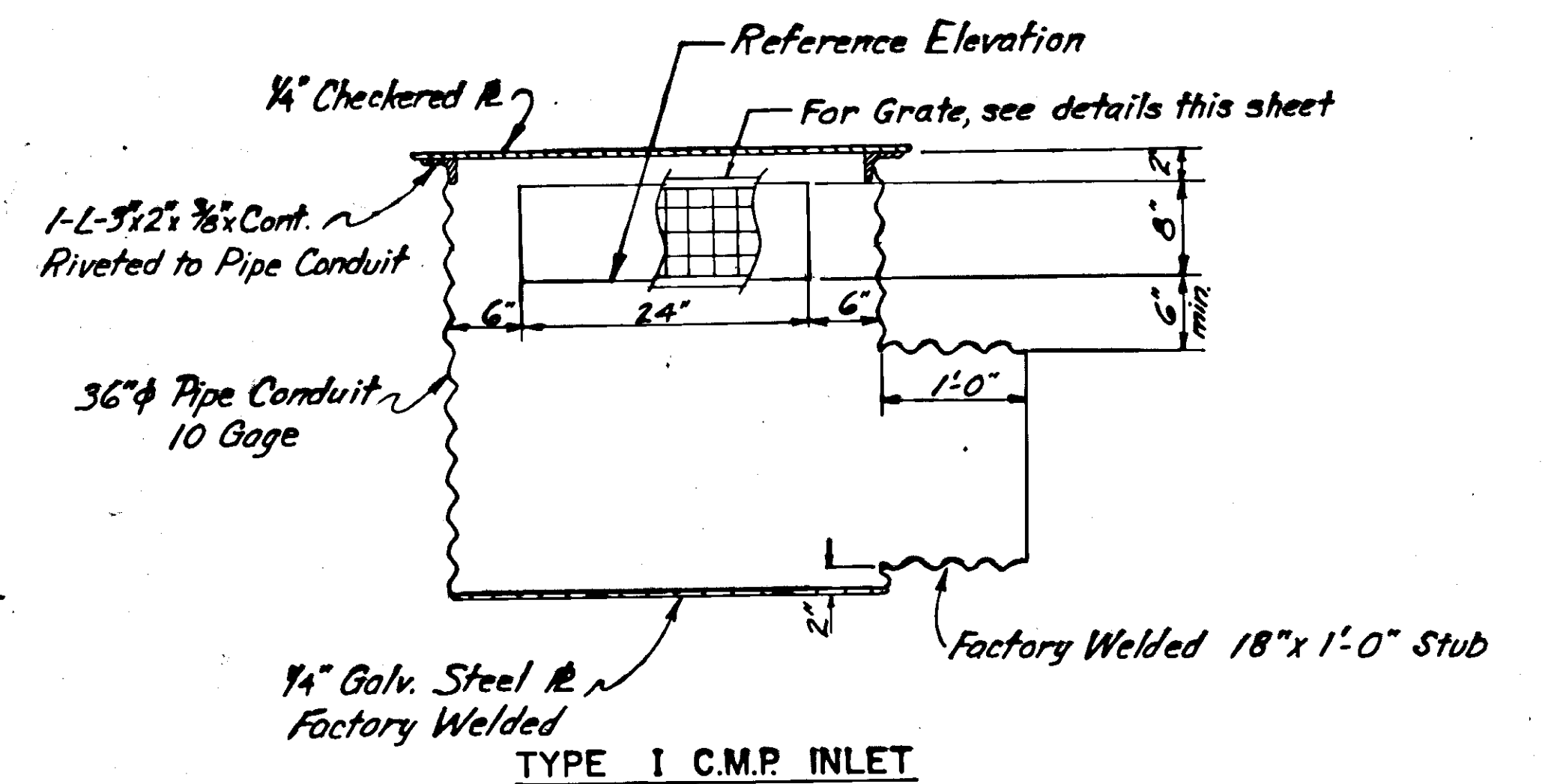
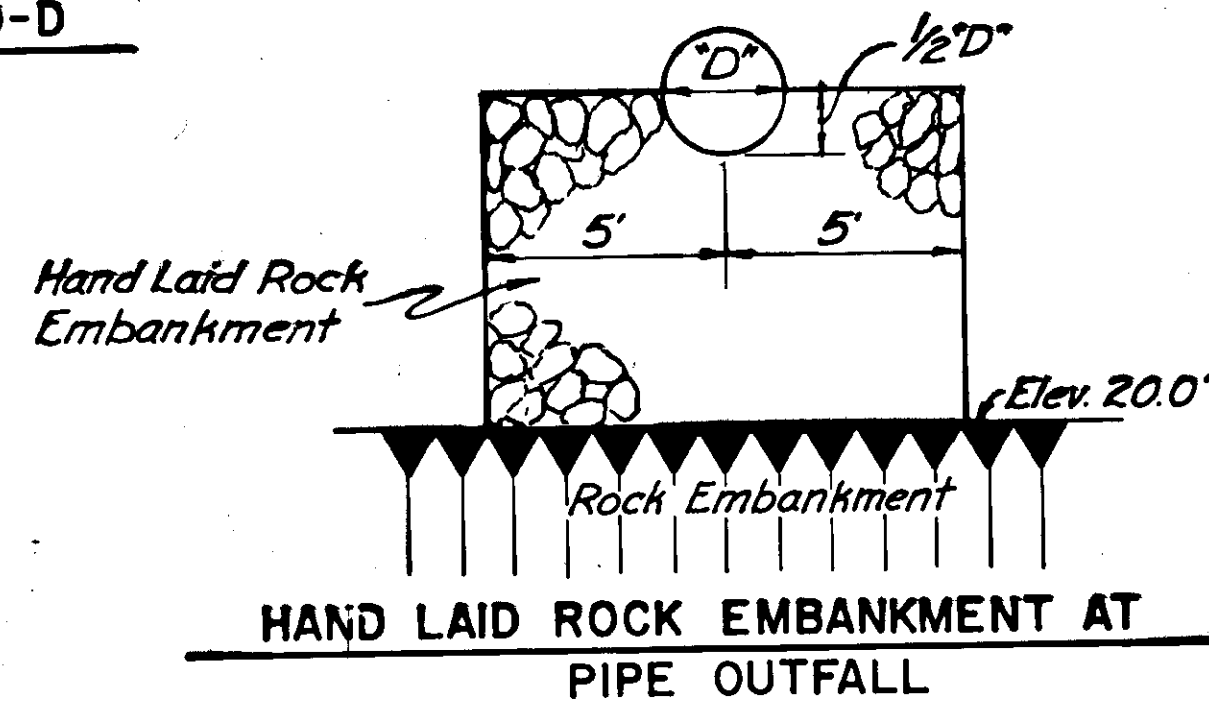
DRAINAGE DETAILS

GENERAL NOTES

1. All plates and bars to be ASTM A-36 steel.
2. Covers and grates for Type I inlets shall be galvanized after fabrication.



SECTION D-D



LEGEND SPACING

6 INCH, SERIES E CAPITALS; -----INCH LOWER CASE (4 1/2 INCH LOOP HEIGHT)												
Letter	A	i	r	p	o	r	t					
Letter Width	6.0	1.2	2.94	3.81	3.93	2.94	3.03					
Space Width	2.13	3.07	1.88	1.75	2.44	1.00						
Cumulative Width	6.0	8.13	9.33	12.40	15.34	17.22	21.03	22.78	26.71	29.15	32.09	33.09

6 INCH, SERIES E CAPITALS; -----INCH LOWER CASE (4 1/2 INCH LOOP HEIGHT)												
Letter	J	a	p	o	n	s	k	i				
Letter Width	4.50	3.87	3.81	3.93	3.84	3.75	3.78	1.20				
Space Width	2.69	3.07	1.75	2.44	2.25	2.44	2.44					
Cumulative Width	4.50	7.19	11.06	14.13	17.91	19.69	23.62	26.06	29.90	32.15	35.90	38.34

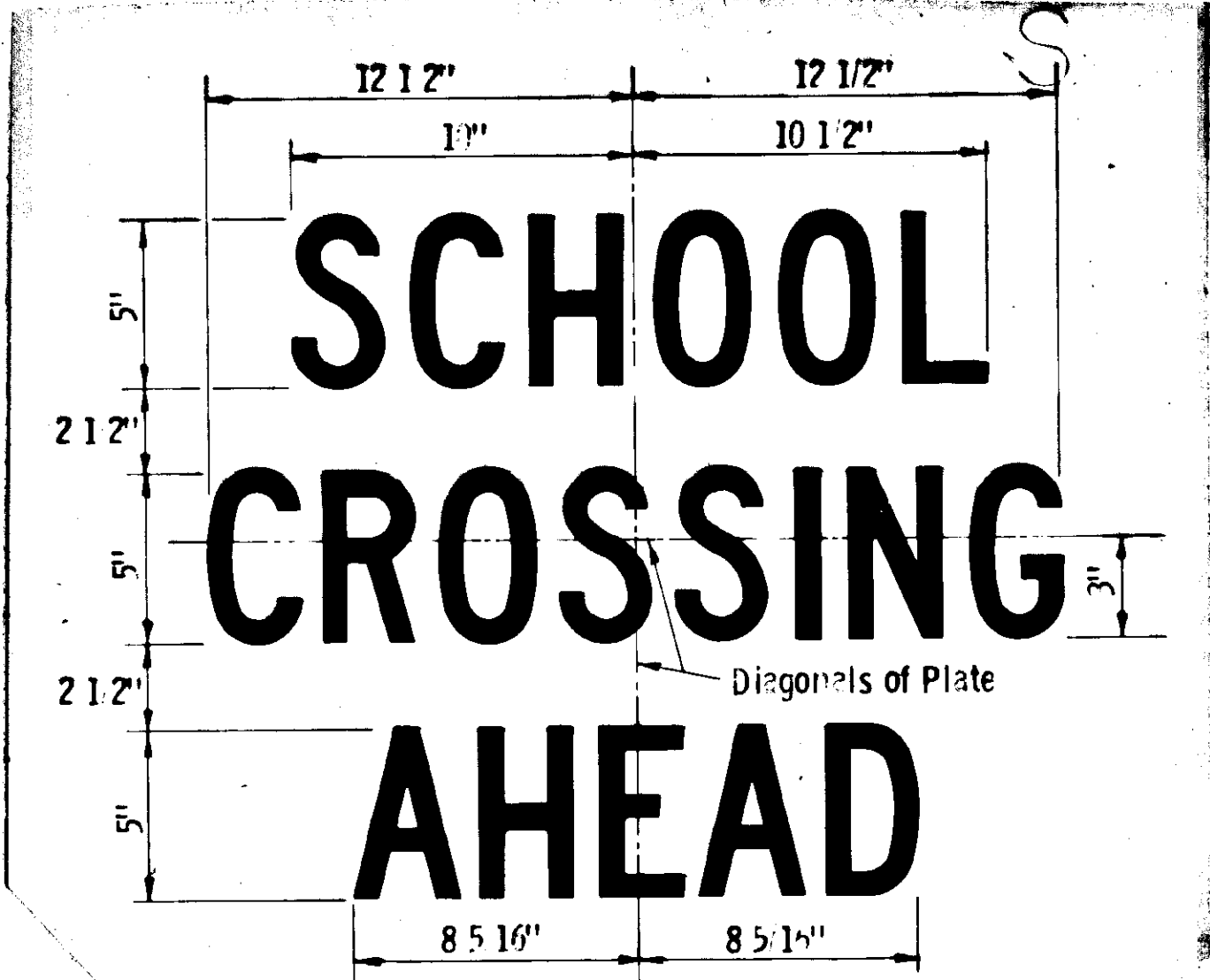
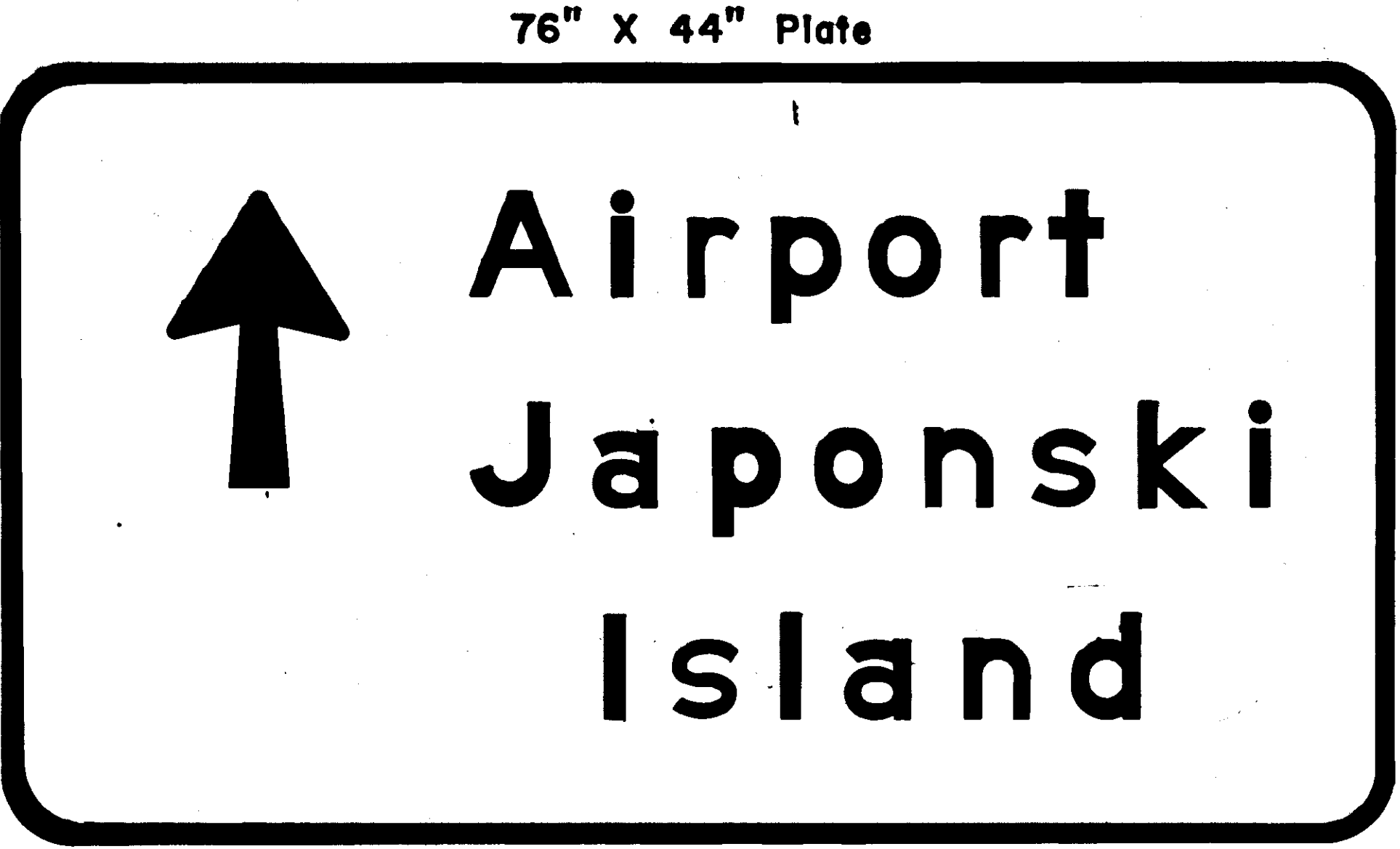
6 INCH, SERIES E CAPITALS; -----INCH LOWER CASE (4 1/2 INCH LOOP HEIGHT)												
Letter	l	s	l	a	n	d						
Letter Width	1.20	3.75	1.20	3.87	3.84	3.81						
Space Width	2.57	2.44	2.44	3.07	2.44							
Cumulative Width	1.20	3.77	7.52	9.96	11.16	15.60	17.47	20.54	24.38	26.82	30.63	

6 INCH, SERIES E CAPITALS; -----INCH LOWER CASE (4 1/2 INCH LOOP HEIGHT)												
Letter	←	S	i	t	k	a						
Letter Width	9.0	4.78	1.20	3.03	3.78	3.87						
Space Width	6.0	2.57	2.25	2.50	1.75							
Cumulative Width	9.0	15.00	19.78	22.35	23.55	25.80	28.83	31.33	35.11	36.86	40.73	

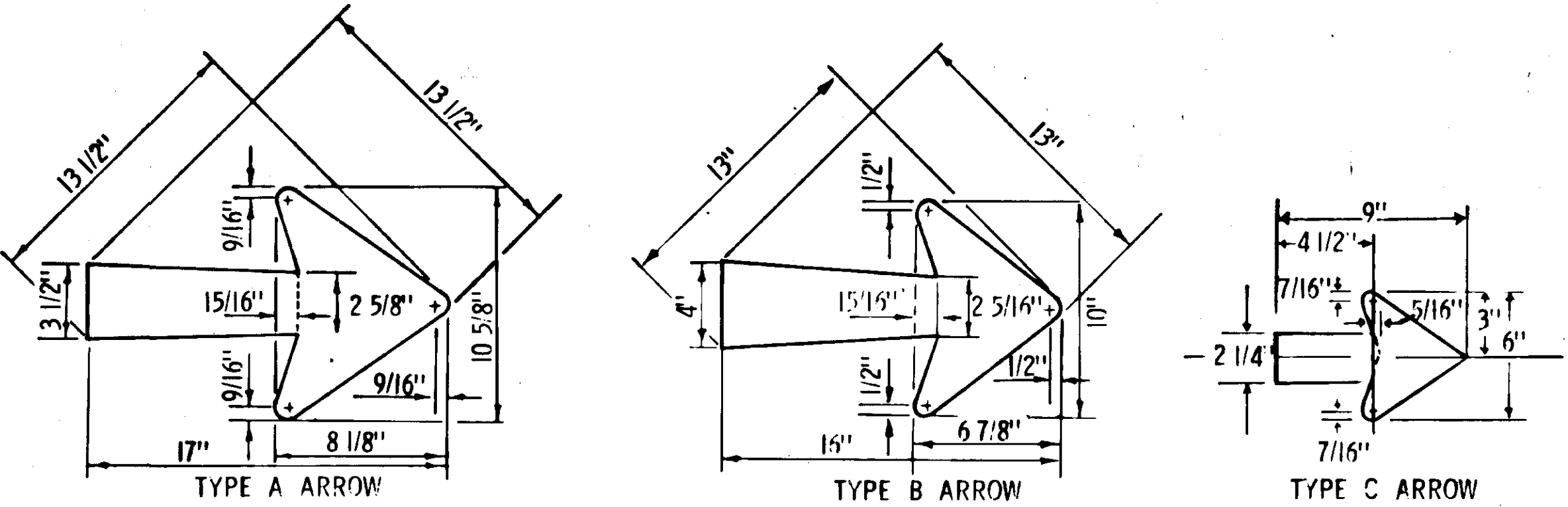
6 INCH, SERIES E CAPITALS; -----INCH LOWER CASE (4 1/2 INCH LOOP HEIGHT)												
Letter	A	i	r	p	o	r	t	→				
Letter Width	6.0	1.2	2.94	3.81	3.93	2.94	3.03	9.0				
Space Width	2.13	3.07	1.88	1.75	2.44	1.00	6.0					
Cumulative Width	6.0	8.13	9.33	12.40	15.34	17.22	21.03	22.78	26.71	29.15	32.09	33.09

-----INCH, SERIES -----CAPITALS; -----INCH LOWER CASE (-----INCH LOOP HEIGHT)												
Letter												
Letter Width												
Space Width												
Cumulative Width												

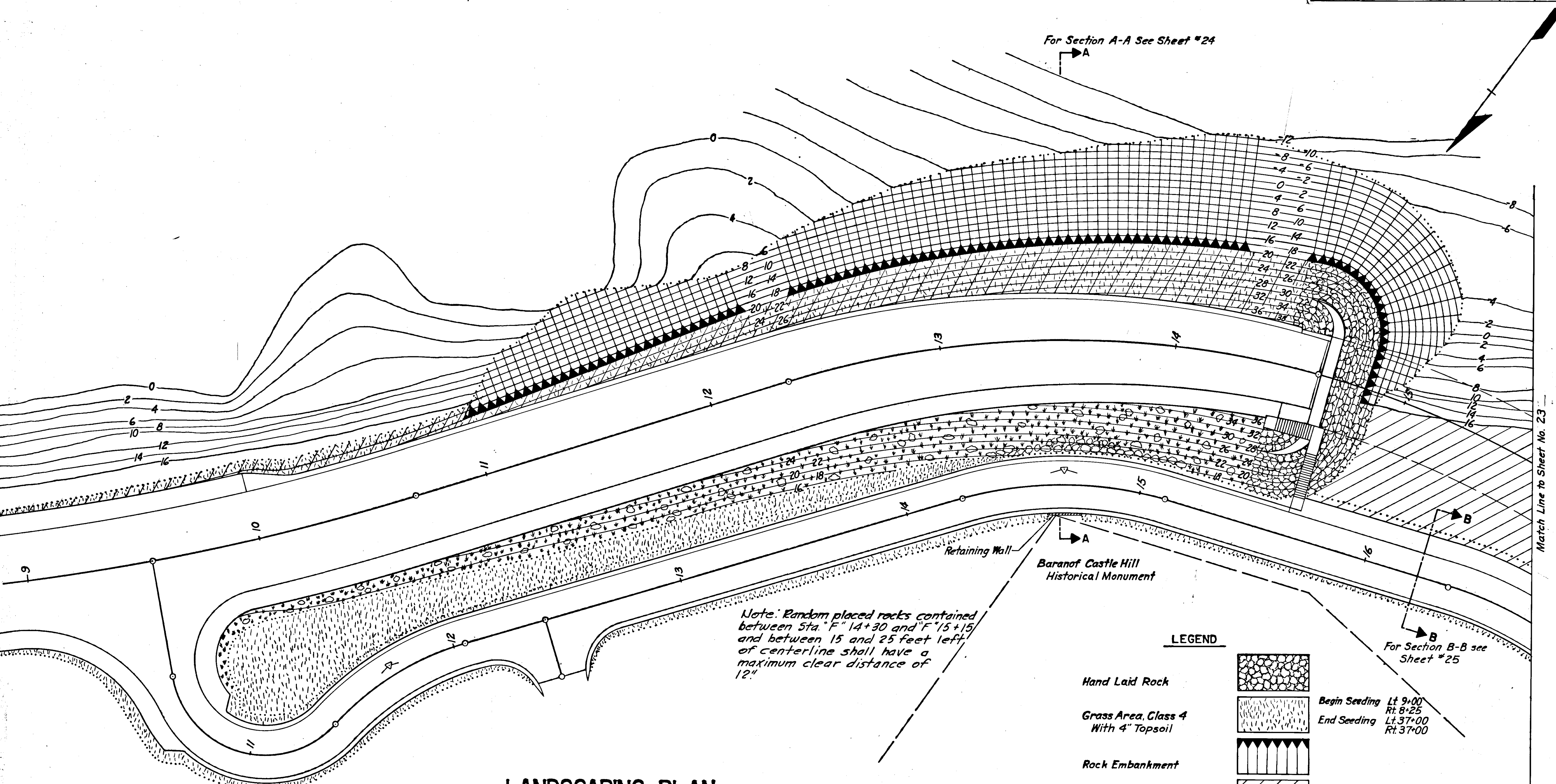
-----INCH, SERIES -----CAPITALS; -----INCH LOWER CASE (-----INCH LOOP HEIGHT)												
Letter												
Letter Width												
Space Width												
Cumulative Width												



Series "C" Letters
For Plate Details See W1-1
3"X30" Plate
W9-3



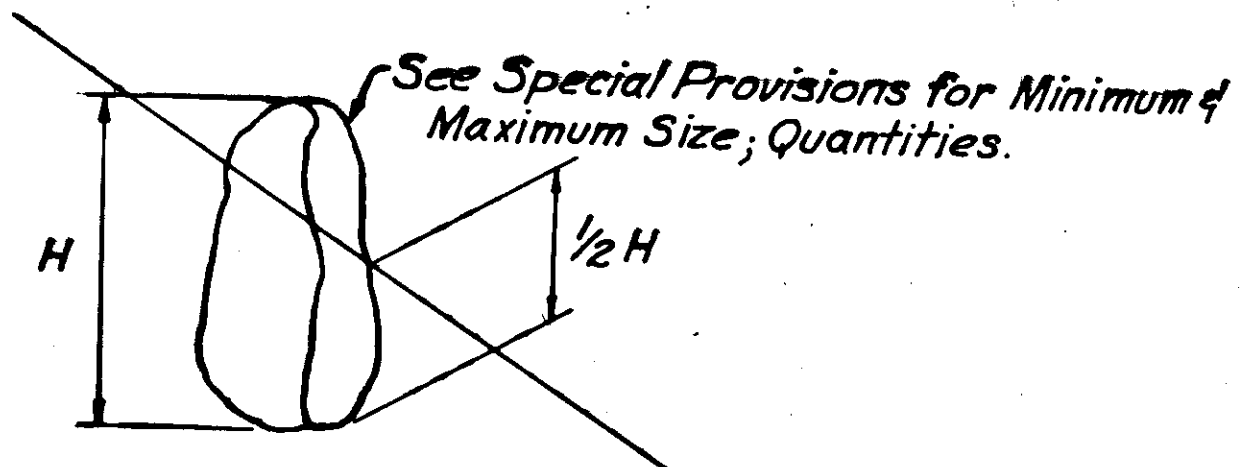
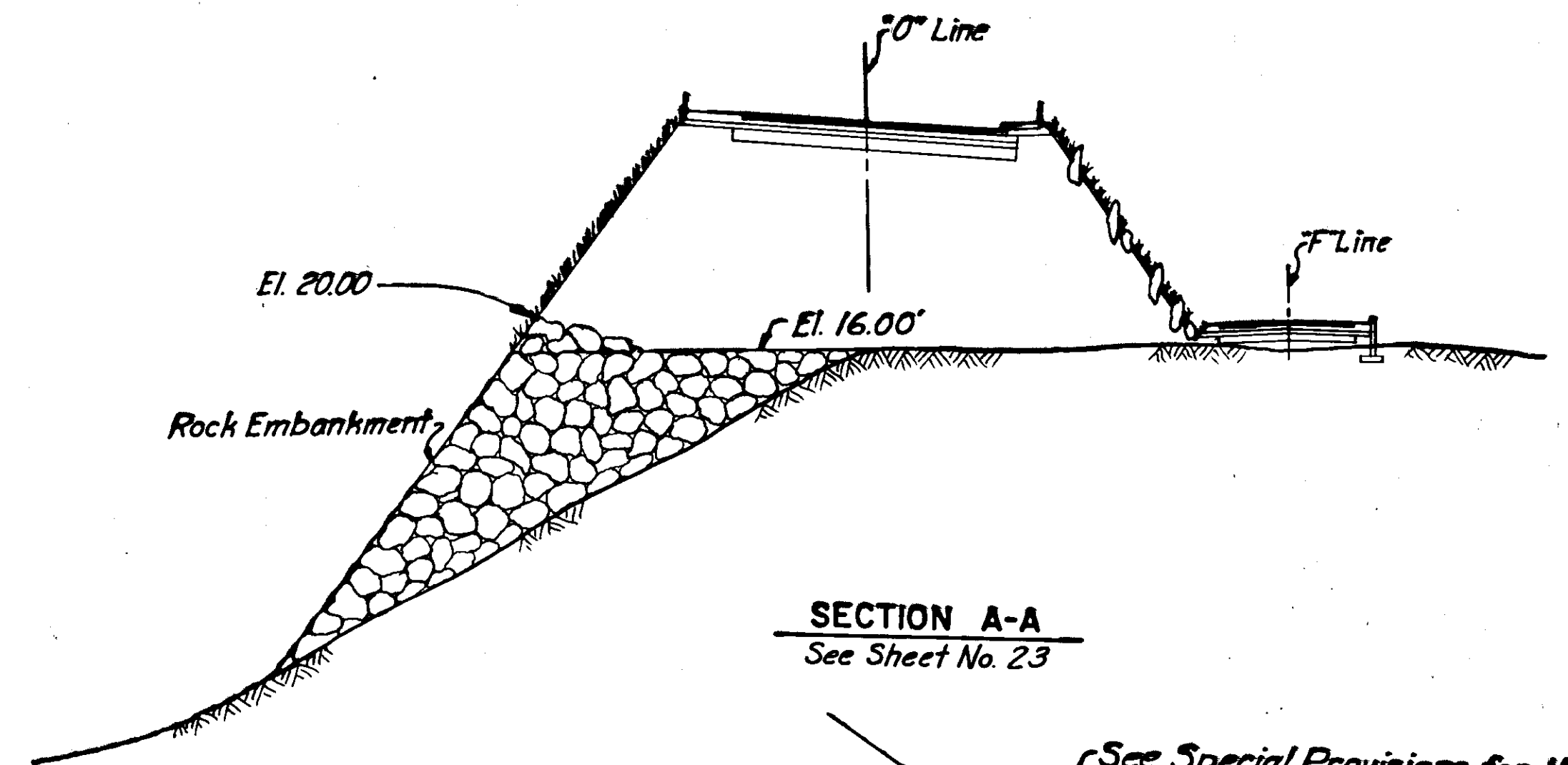
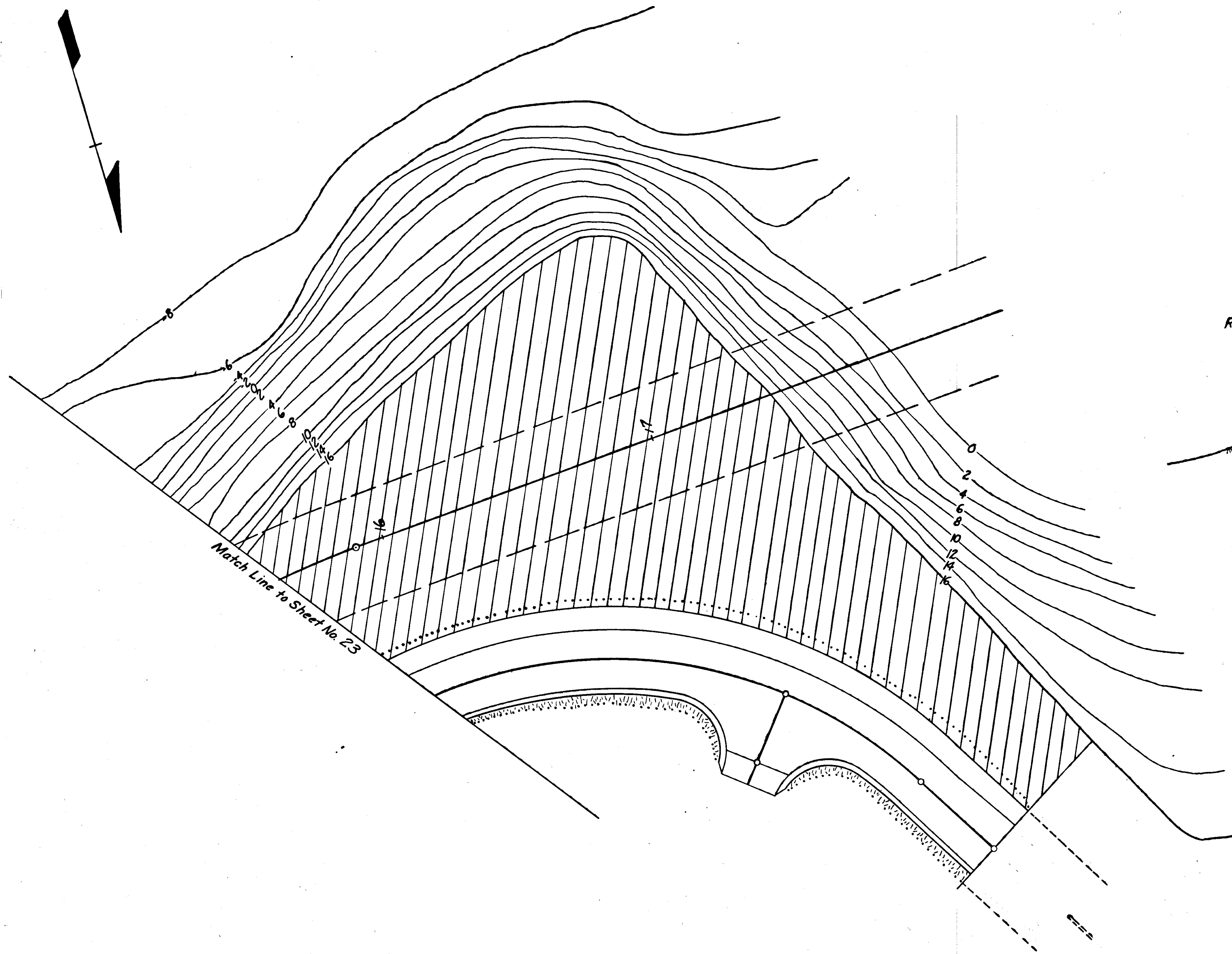
SPECIAL
STANDARD SIGN
DETAILS



LANDSCAPING PLAN For Continuation See Sheet Nos. 24, 25, 26

- LEGEND**
- Hand Laid Rock
 - Grass Area, Class 4 With 4" Topsoil
 - Rock Embankment
 - Gravel Blanket Area 3" Depth
 - Planted Area With Random Placed Rock, Soil Stabilization Matting on 6" Topsoil and Seeding, class 4.
 - Grass Area, Class 4 Soil Stabilization Matting, No Topsoil.
- Begin Seeding Lt 9+00 Rt 8+25
End Seeding Lt 37+00 Rt 37+00

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	F-099-3(7)	1970	24	7

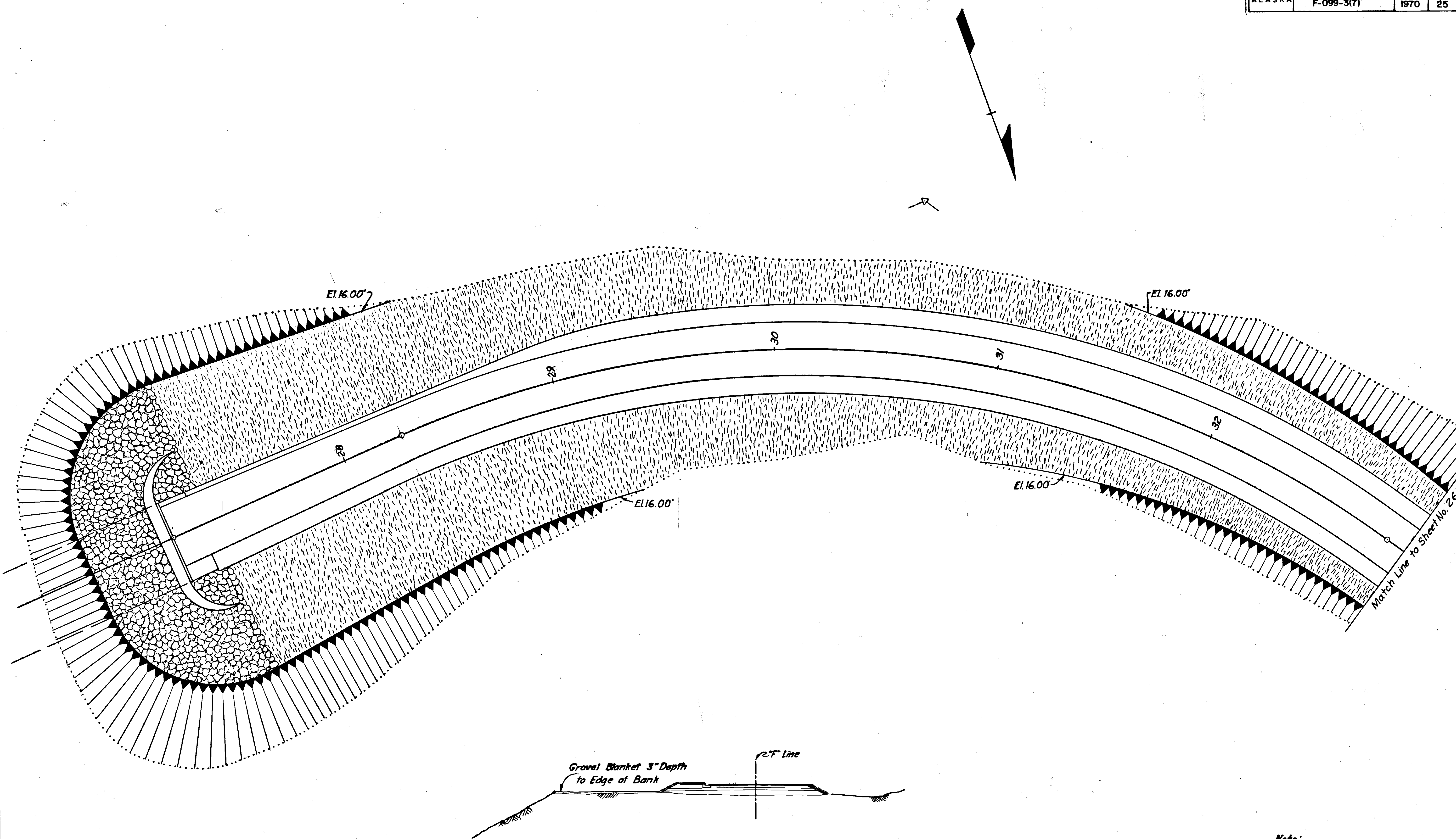


TYPICAL RANDOM PLACED ROCK EMBEDMENT

GENERAL NOTES

- Soil Stabilization Matting:**
For use with planted area with random rock placement, and seed area with no topsoil.
Rates of application per 1000 sq. ft. = 23 lbs. of Fiber Glass.
- Topsoil:**
4" of topsoil shall be placed on all seeded and planted areas with following exceptions: 6" on area of random rock placement none on left slope Sta. 9+00 to Sta. 14+61.
- Planted Area with Random Rock Placement:**
Each 1000 sq. ft. will contain - 10 Mugho Pine, 10 Mountain Hemlock, 20 Bear Berry, 20 Alaska Iris, 20 Lupine, 20 Beach Pea. These will not be grouped, but spaced with approximately 10 sq. ft. per plant or shrub.
- Nursery Stock:**
Pine - Mugho Pine - 12" Type I
- Collected Stock**
Bear Berry - *arctostaphylos uva ursi*
Lupine - *Lupinus*
Beach Pea - *L. littoralis*
Mountain Hemlock - *tsuga heterophylla* (snipped terminal)
Iris - Iris

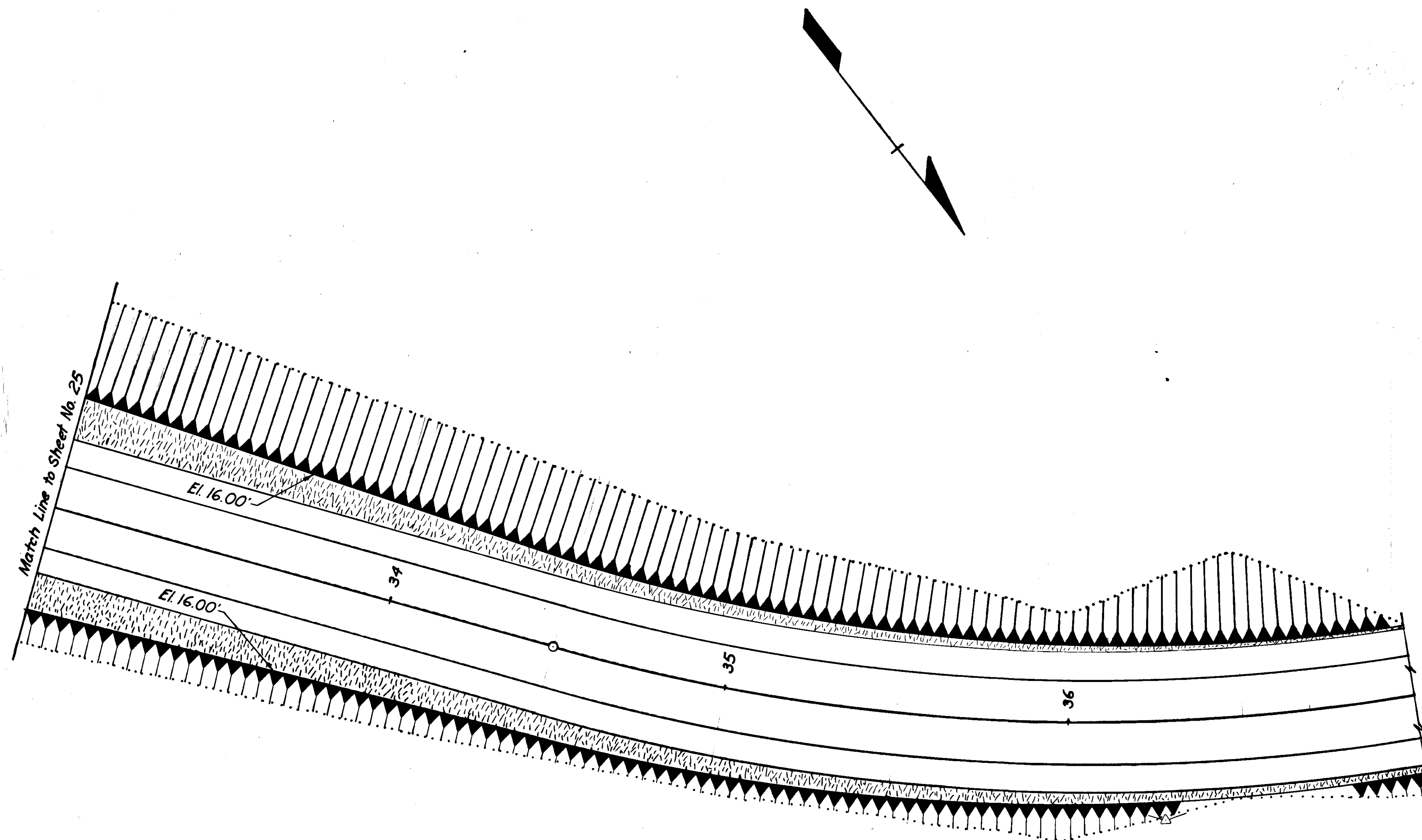
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.
ALASKA	F-099-3(7)	1970	25



SECTION B-B
See Sheet No. 23

Note:
For landscaping legend see sheet #23.

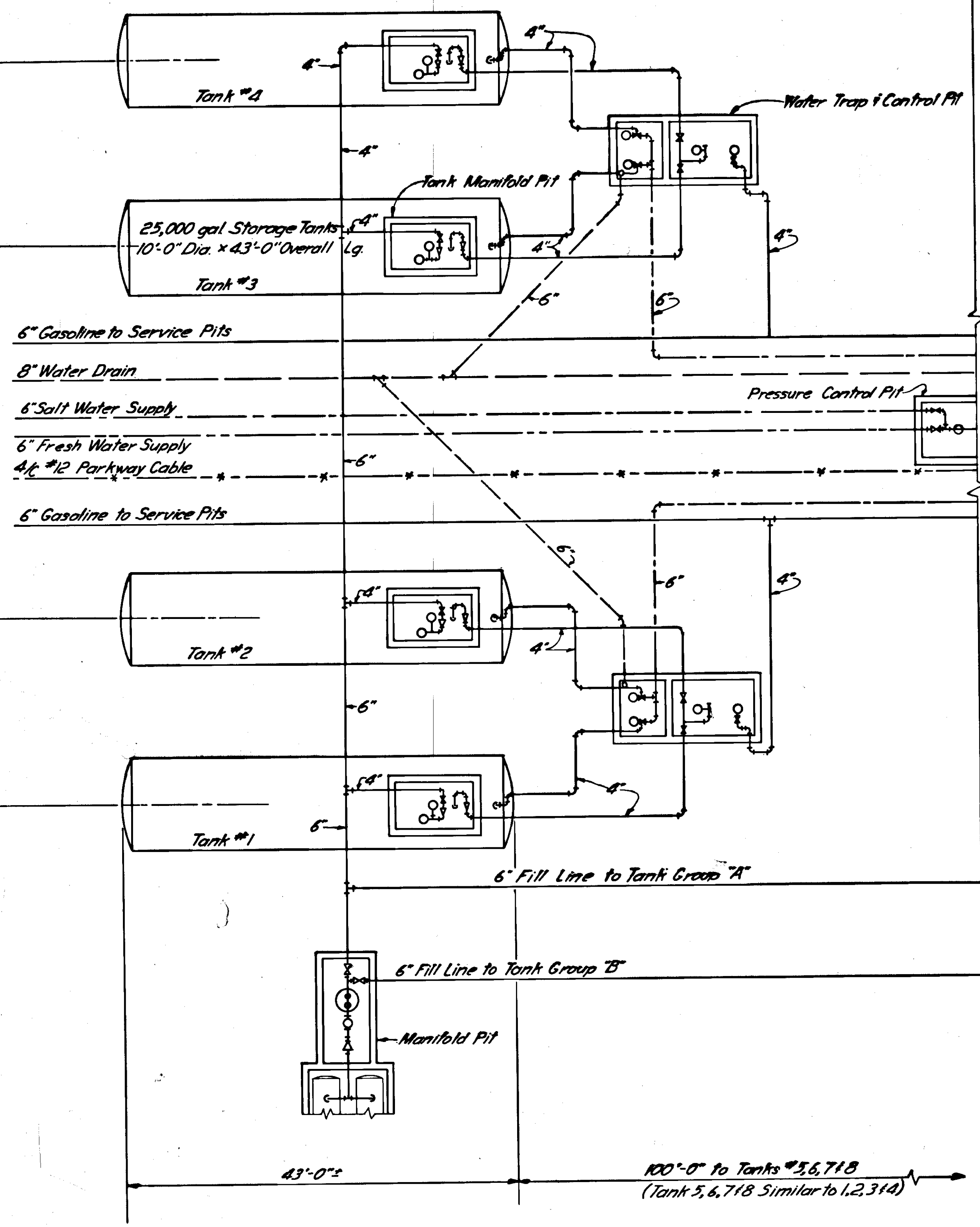
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	F-099-3(7)	1970	26	68



Note:
For landscaping legend see
sheet # 23.

TYPICAL EXISTING TANKS

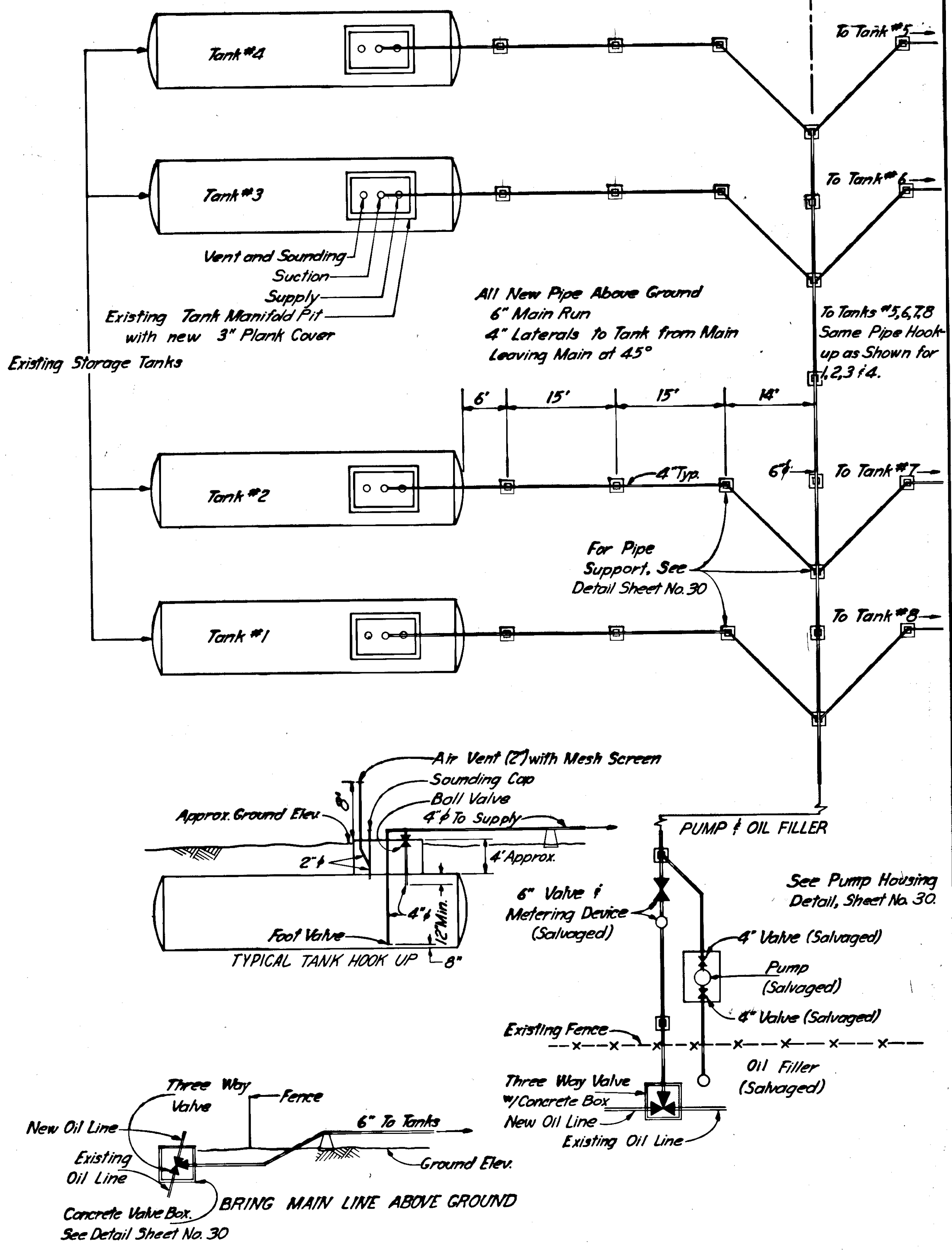
Symmetrical



- GENERAL NOTES**
1. Electrical connections and service for pump shall be furnished by the owner.
 2. Tank, pump and valve locations are approximate only.

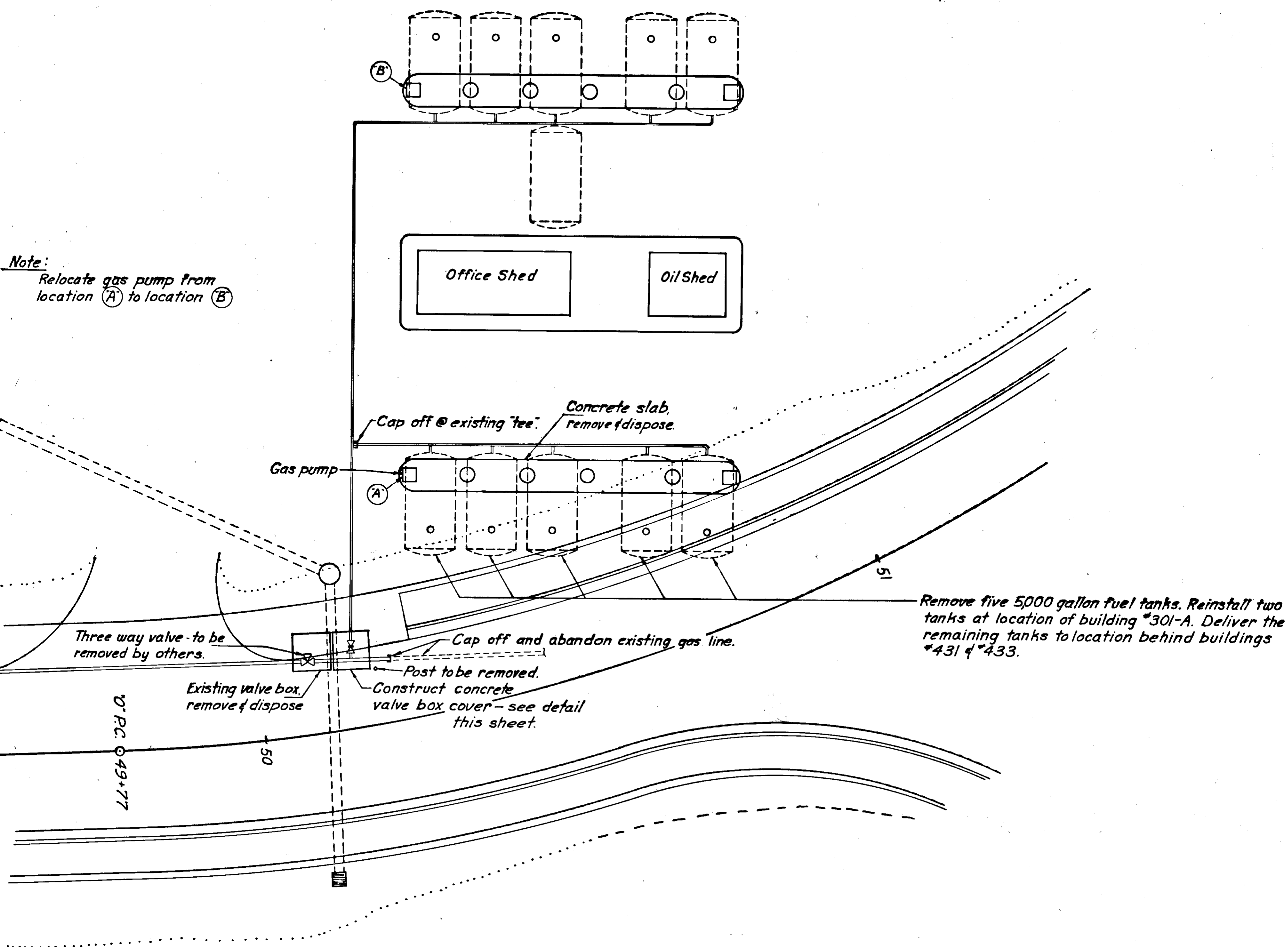
TYPICAL PROPOSED HOOK UP

Symmetrical About Center Line

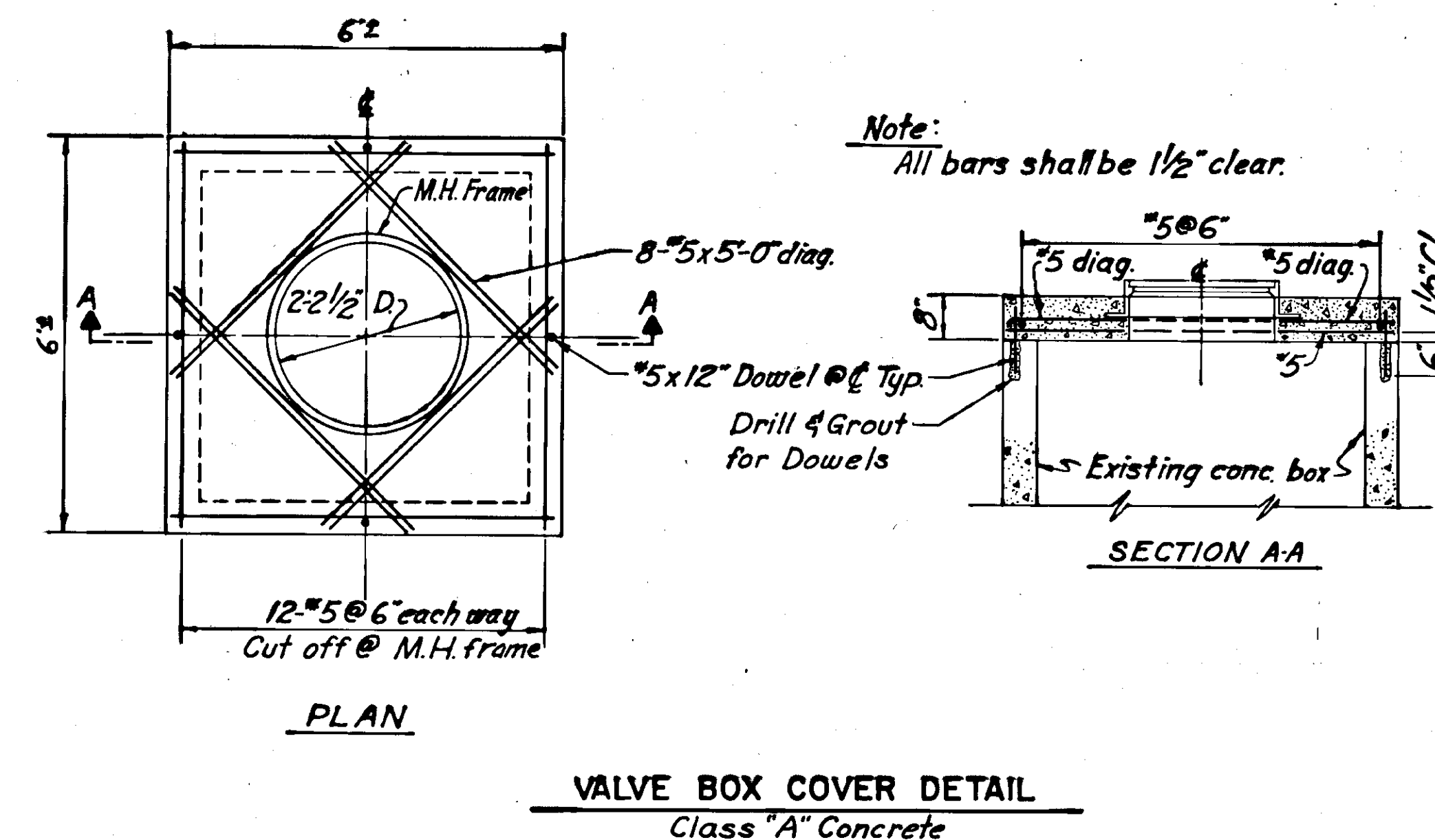


TANK FARM RENOVATION

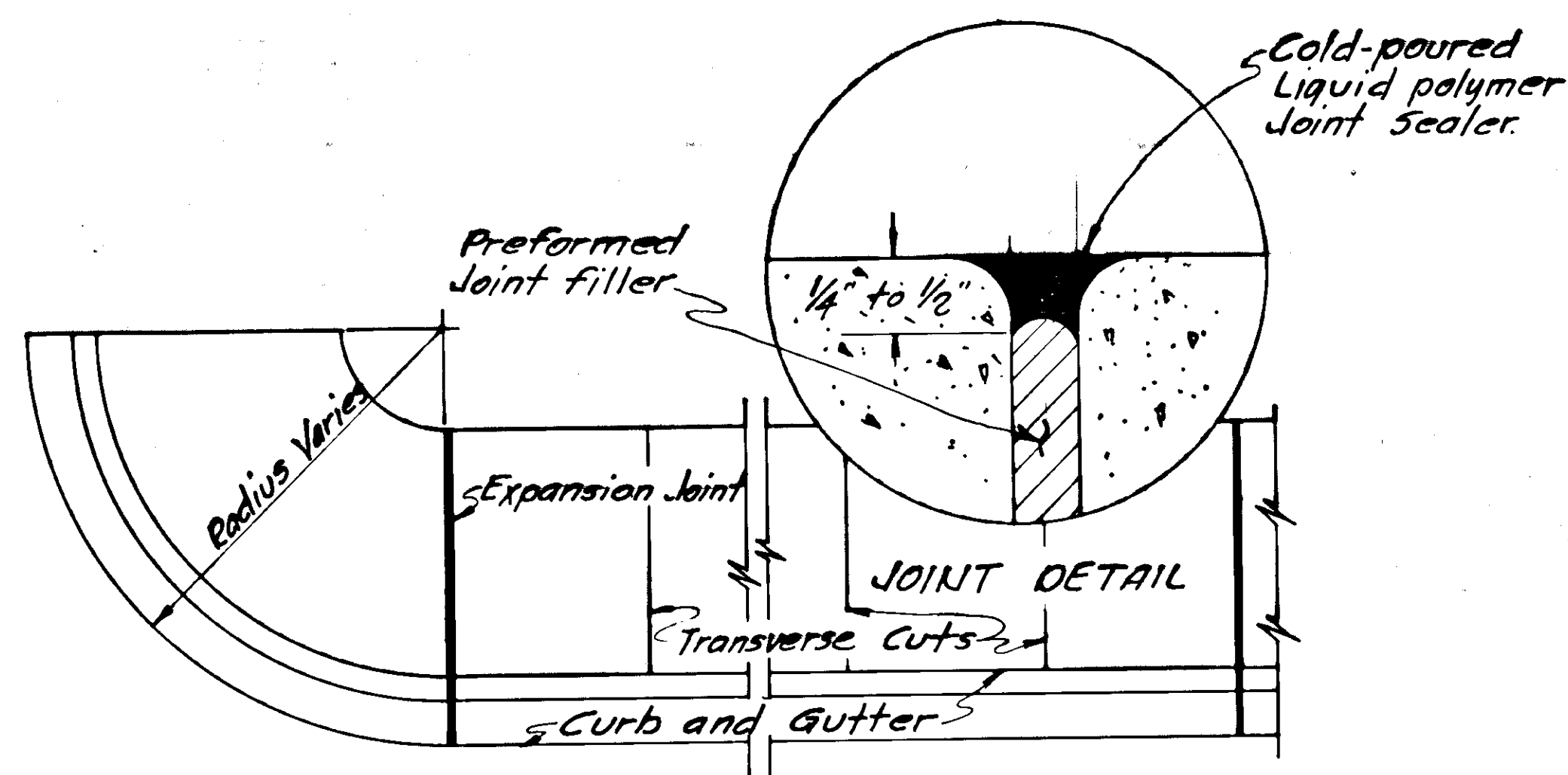
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	F-099-3(7)	1970	28	68



SERVICE STATION MODIFICATION DETAILS



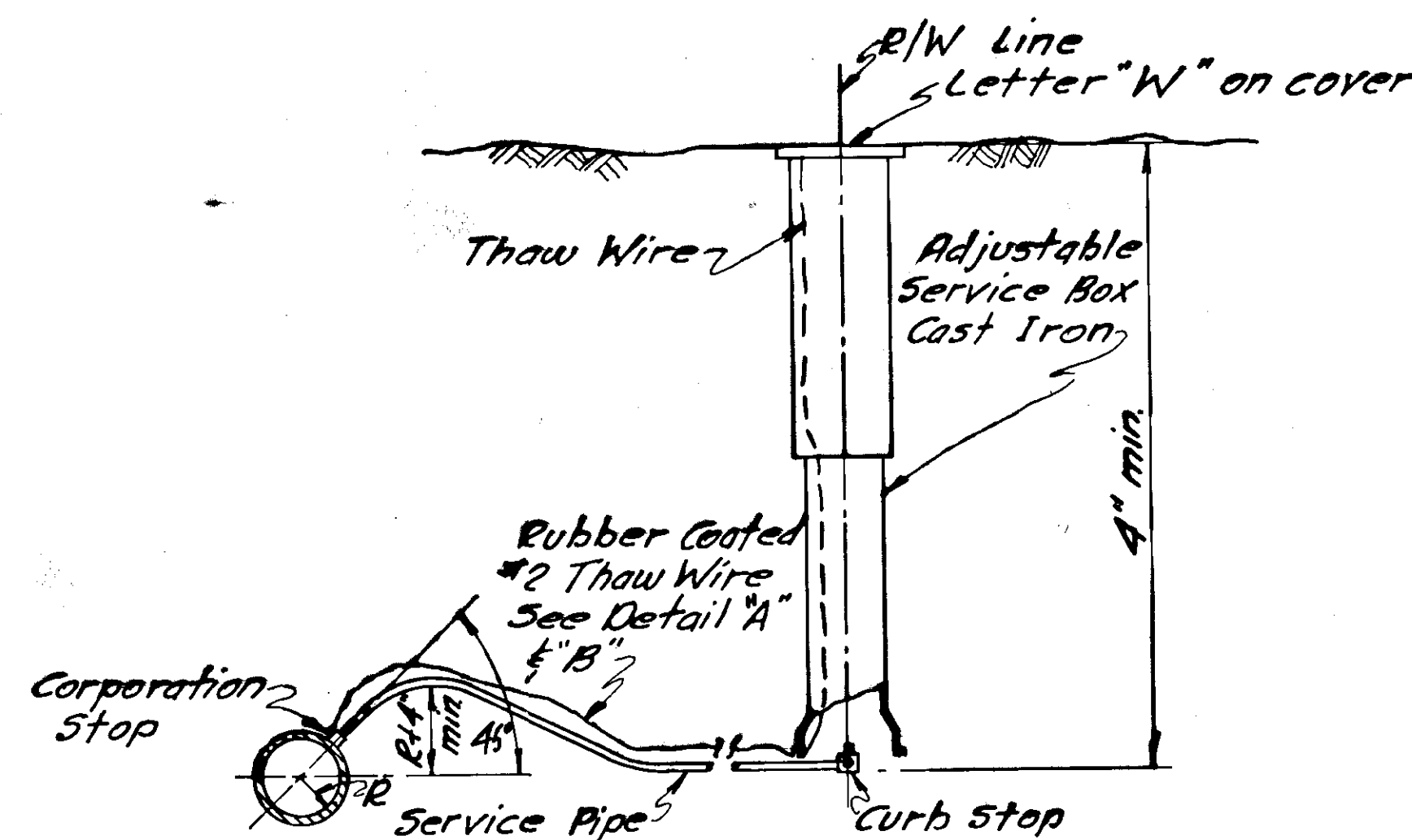
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOT SHEET
ALASKA	F-095-8(3)	1970	29	68



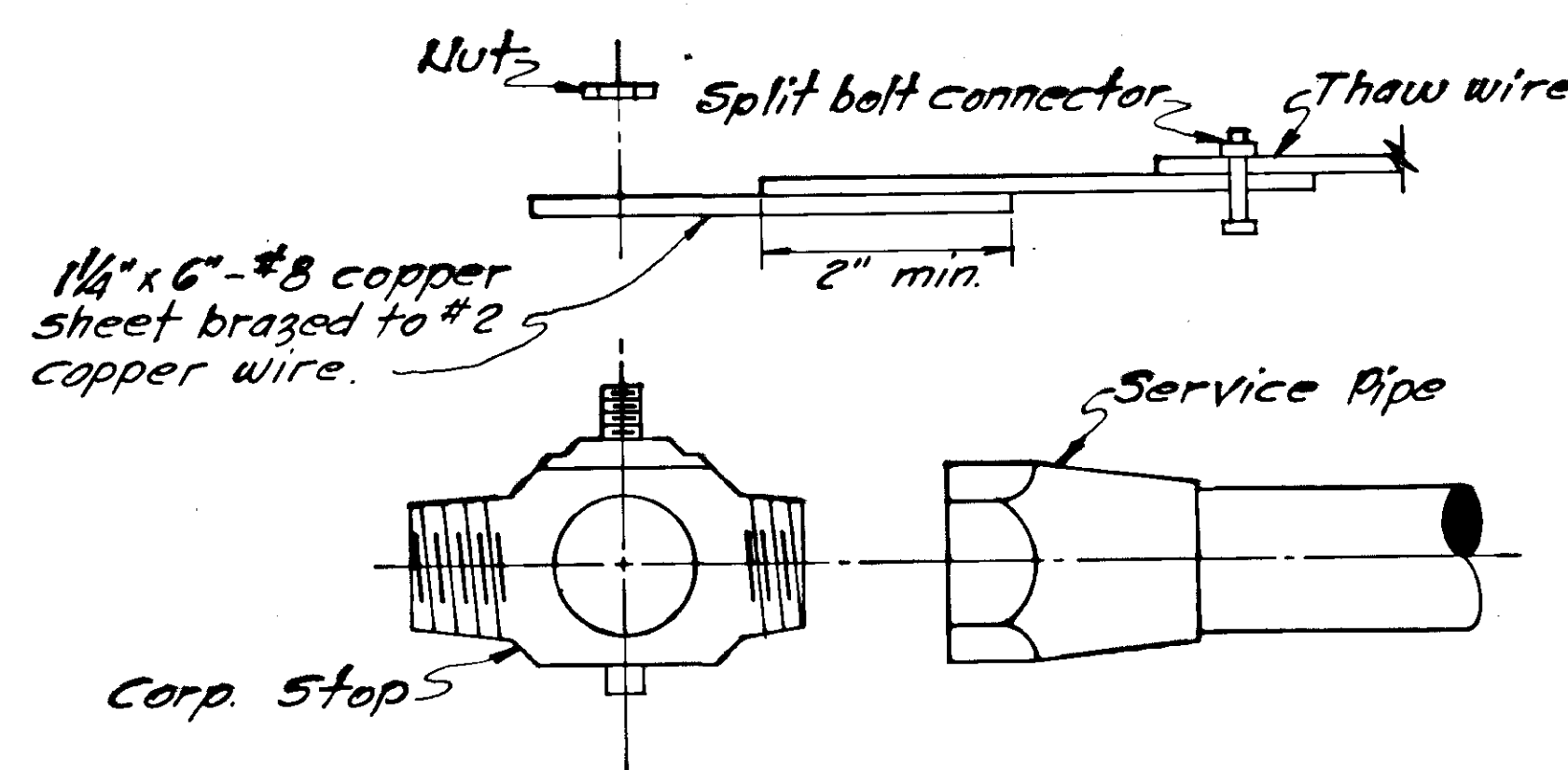
TYPICAL EXPANSION & CONTRACTION JOINT DETAILS

General Notes

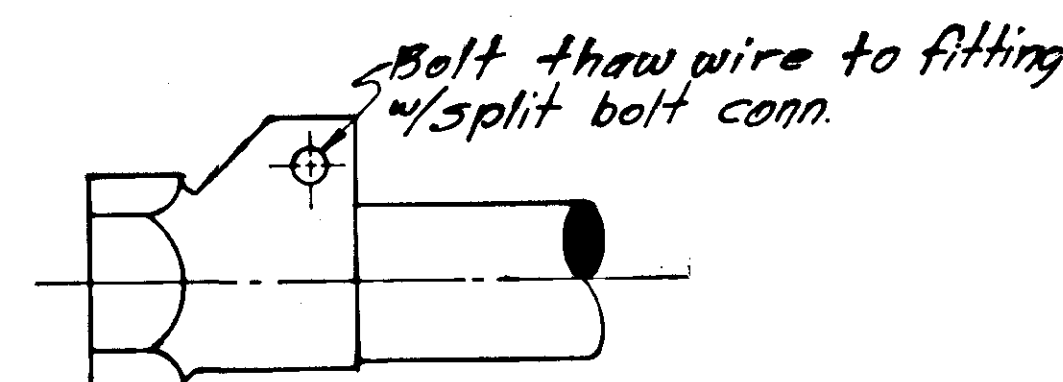
Expansion Joint: Preformed expansion joint filler $\frac{1}{2}$ " thick shall be used at all expansion joints. Joints shall be located as follows:
Curb and Gutter: Expansion joints shall be at the end of the curb return and immediately following and preceding curb cuts. Thereafter expansion joints shall be spaced intermediately at intervals of 30' except where shorter sections are needed for closure.
Sidewalks: Expansion joints shall be opposite expansion joints in adjoining curb and gutter. Transverse plane weakness joints shall be at uniform intervals of 6' except where shorter sections are necessary for closures.
 All expansion joints shall be sealed with a cold-poured liquid polymer joint sealer. This joint seal material will be considered incidental to Item 608(1), Concrete Sidewalk.



WATER SERVICE CONNECTION DETAIL



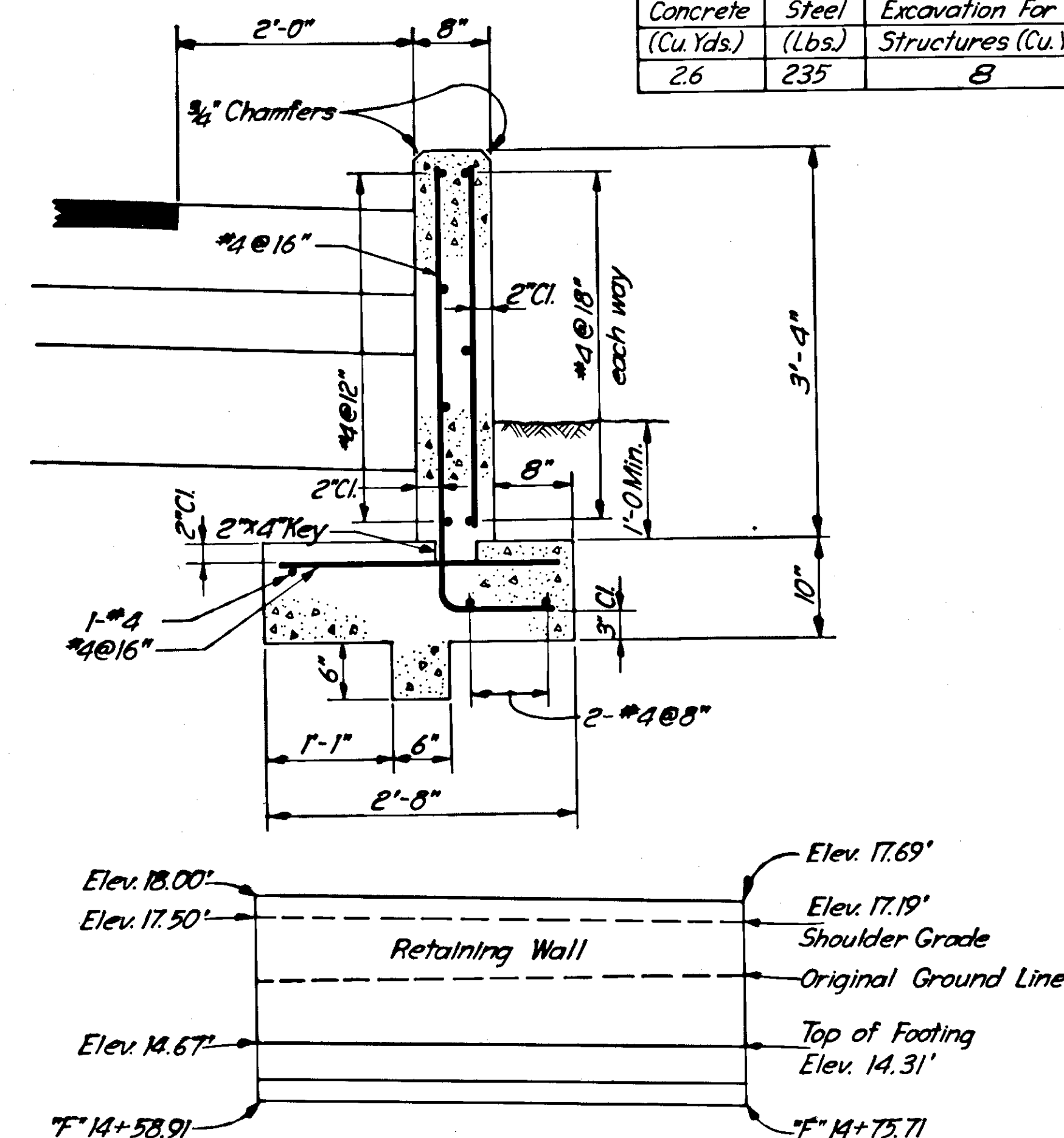
THAW WIRE CONNECTION DETAIL 'A'



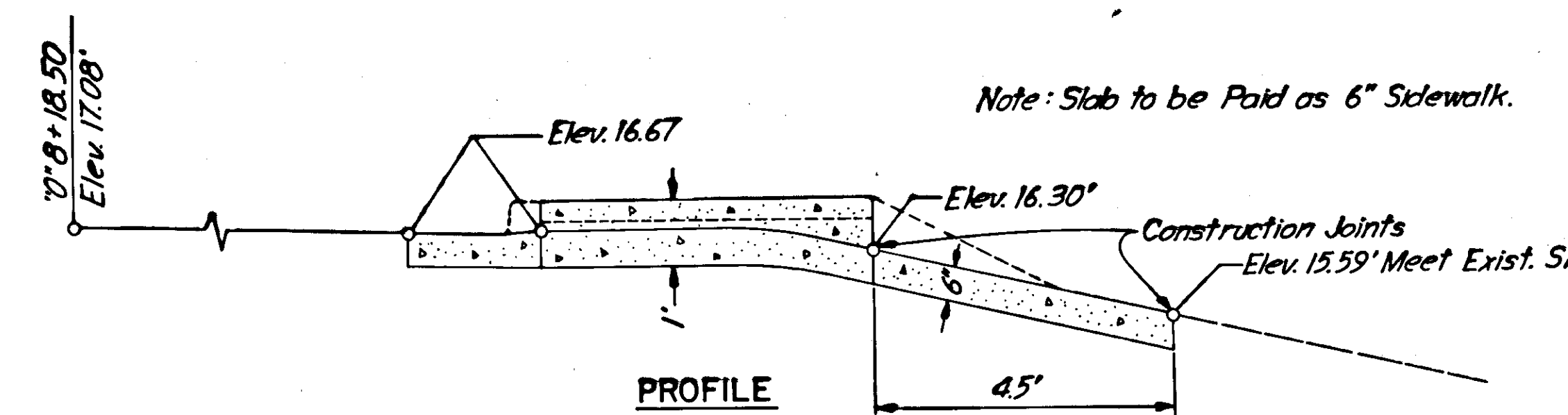
ALT. THAW WIRE CONNECTION DETAIL 'B'

TYPICAL SECTION OF RETAINING WALL

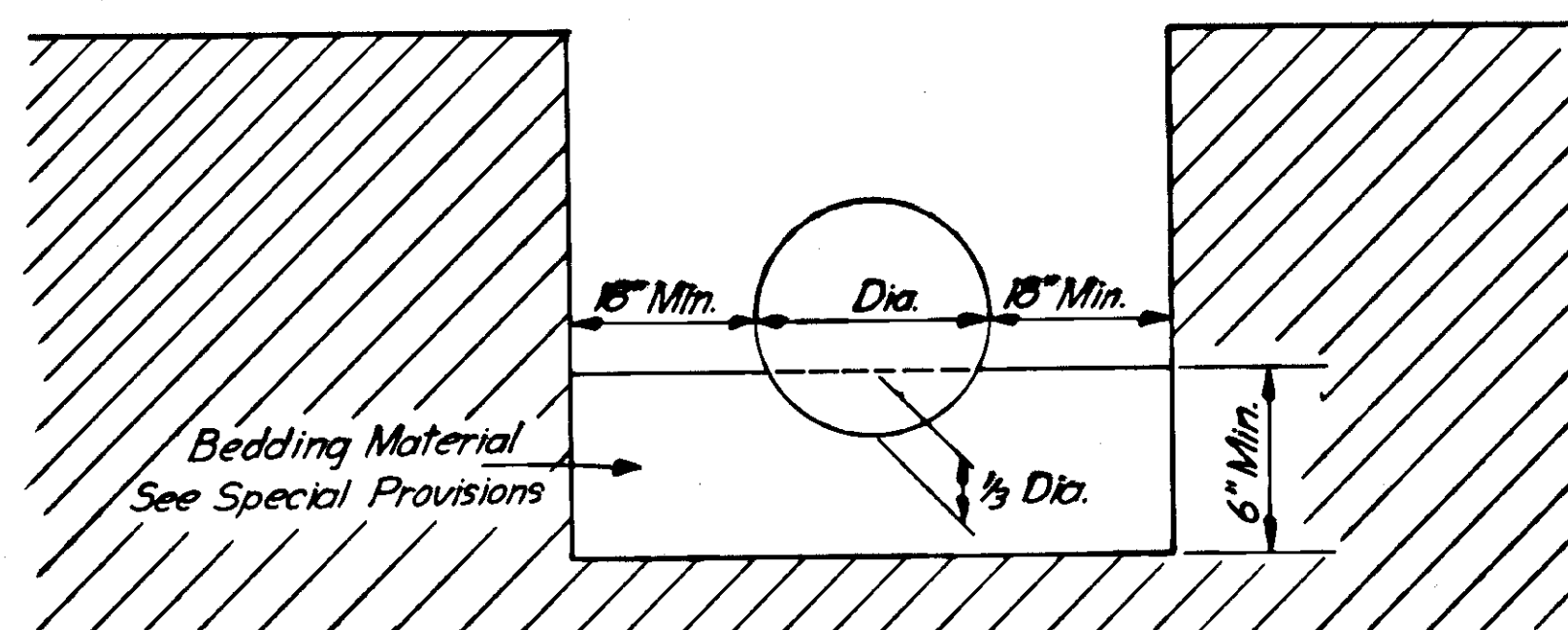
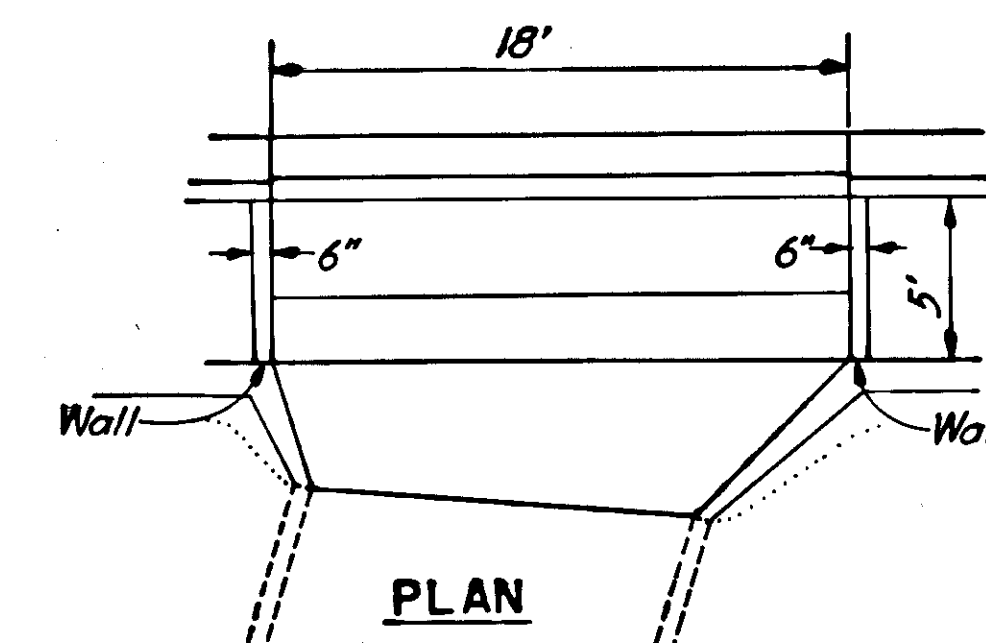
QUANTITIES		
Concrete (Cu. Yds.)	Steel (Lbs.)	Excavation For Structures (Cu. Yds.)
2.6	235	8



RETAINING WALL PROFILE



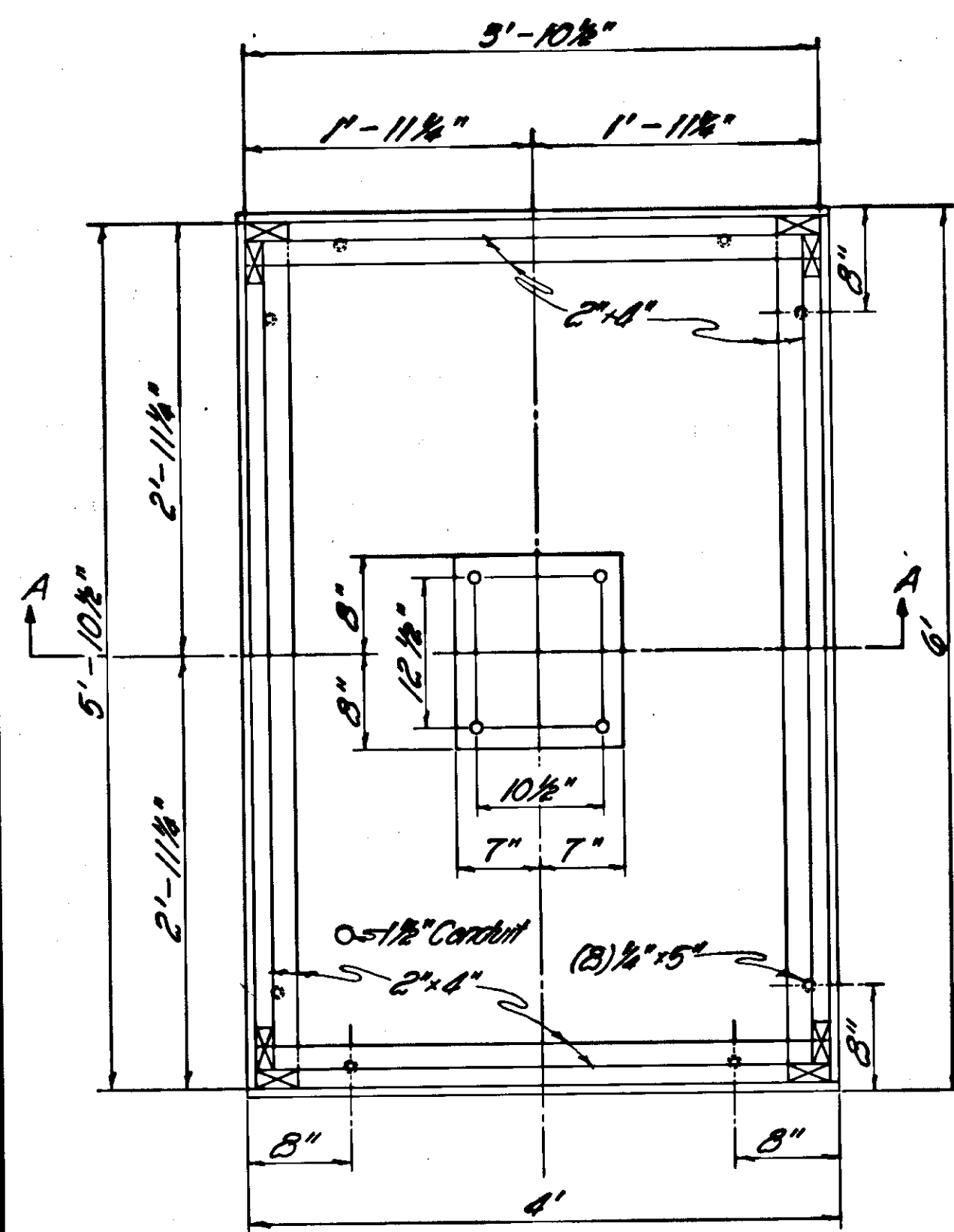
DETAILS OF CURB CUT STA. "0" 8+18.50



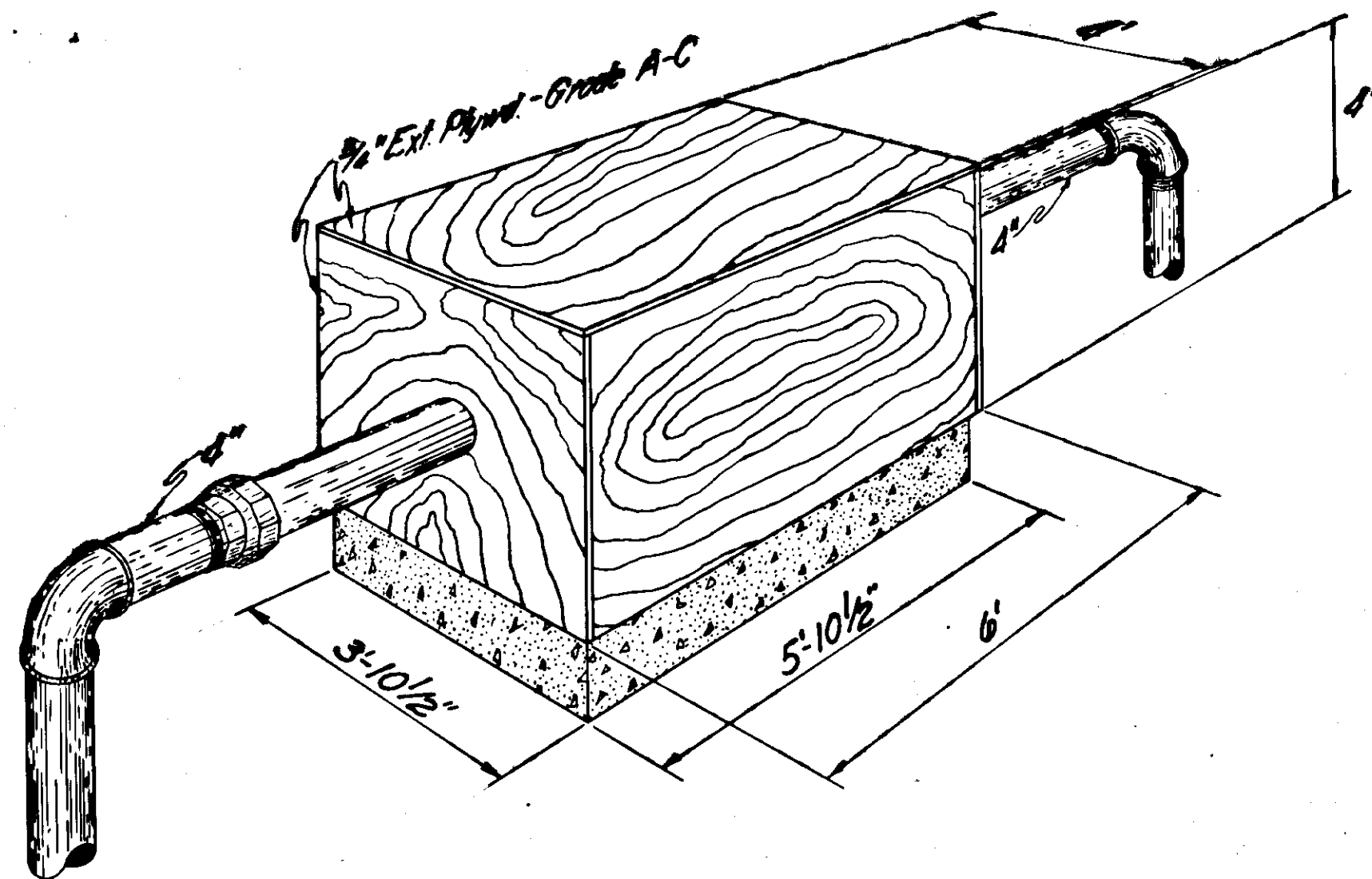
TYPICAL CONDUIT BEDDING DETAIL

GENERAL DETAILS

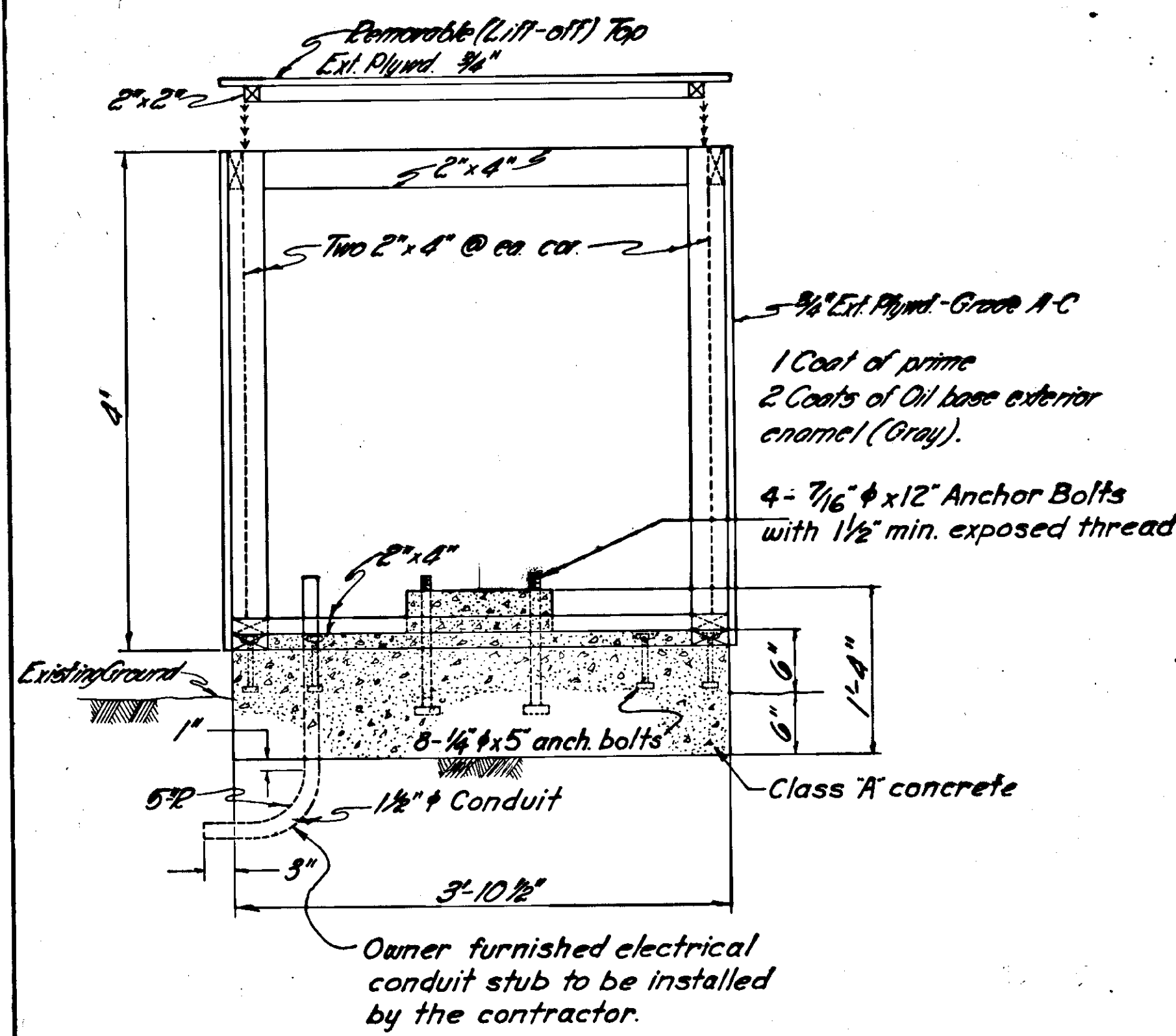
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	F-099-3(7)	1970	30	68



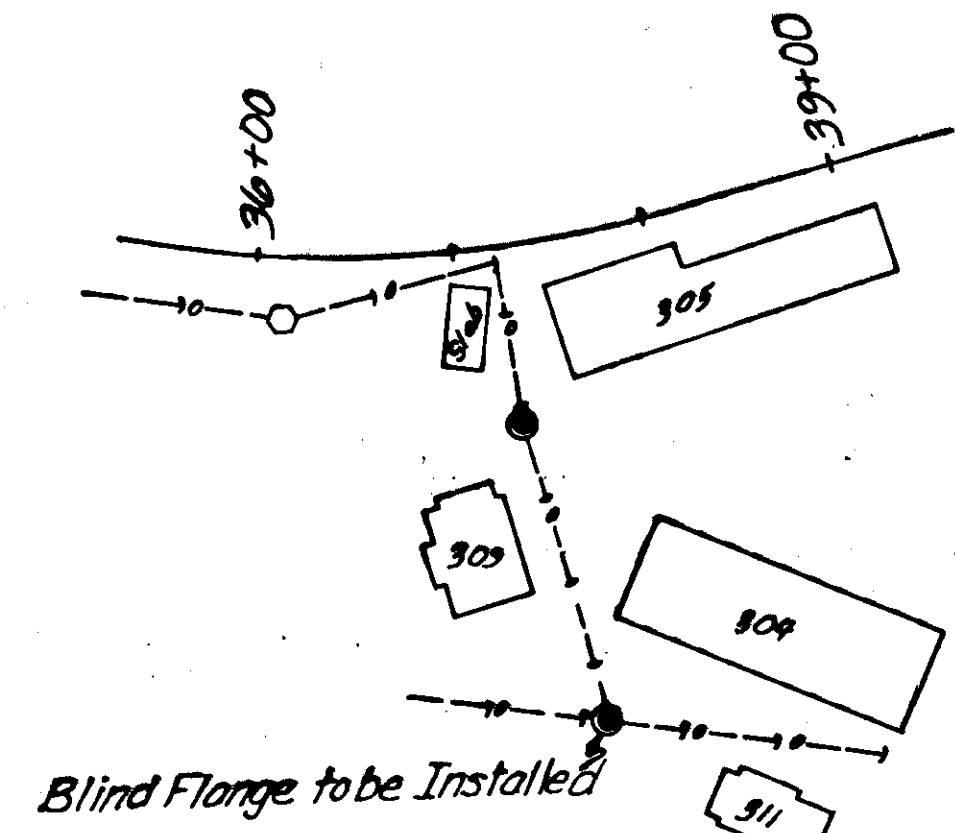
PLAN
PUMP HOUSING



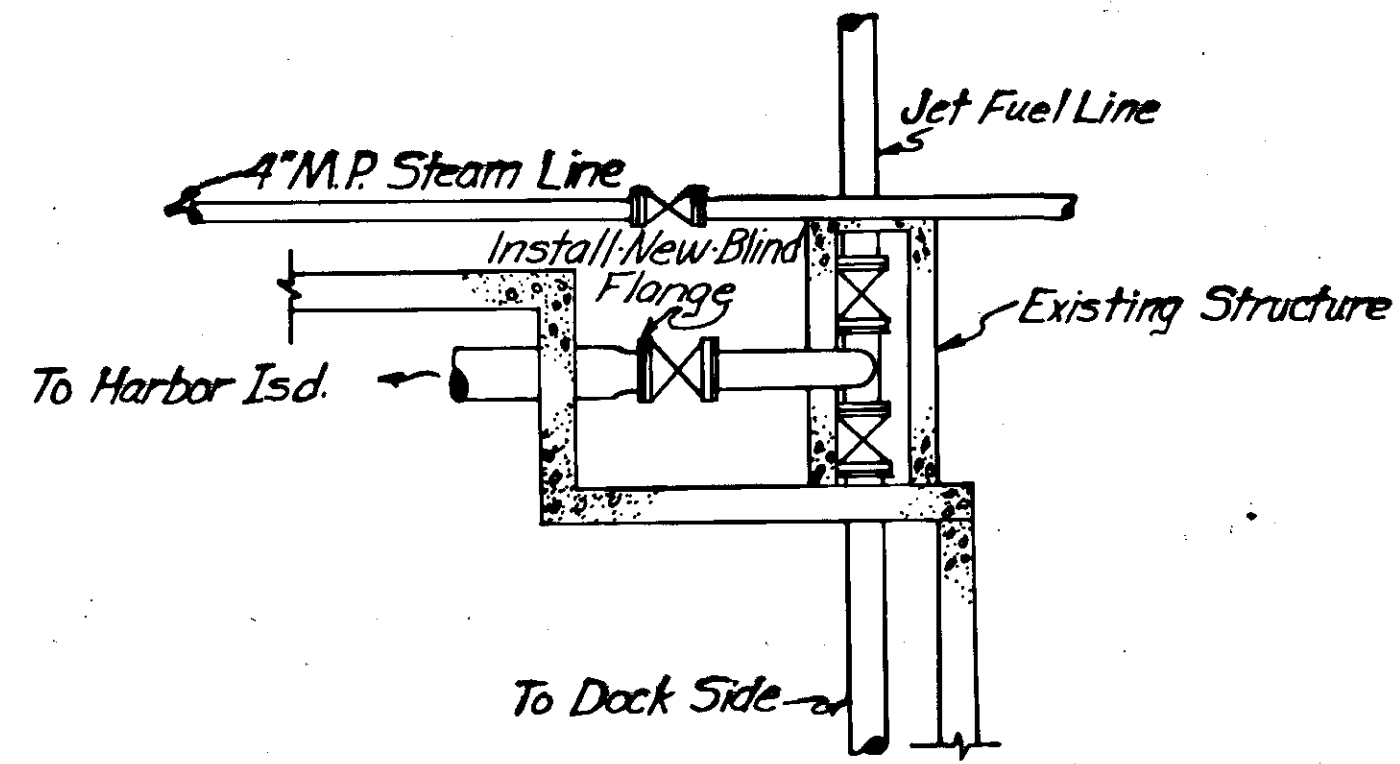
PUMP HOUSING DETAIL
Note: Lumber shall be Douglas Fir or Sitka Spruce, S4S, Construction Grade.



SECTION A-A

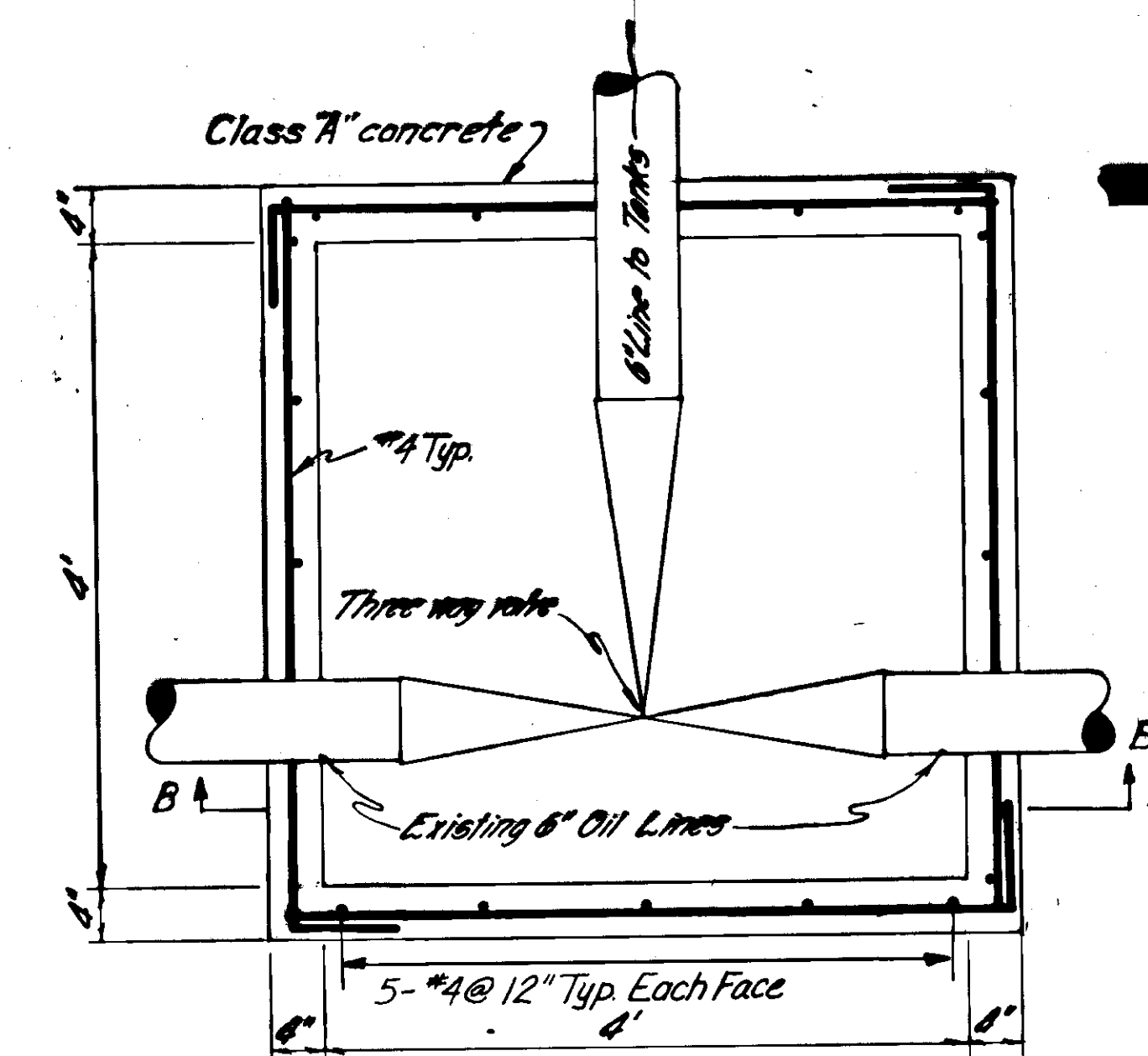


LOCATION OF MANHOLE
WITH BLIND FLANGE INSTALLATION

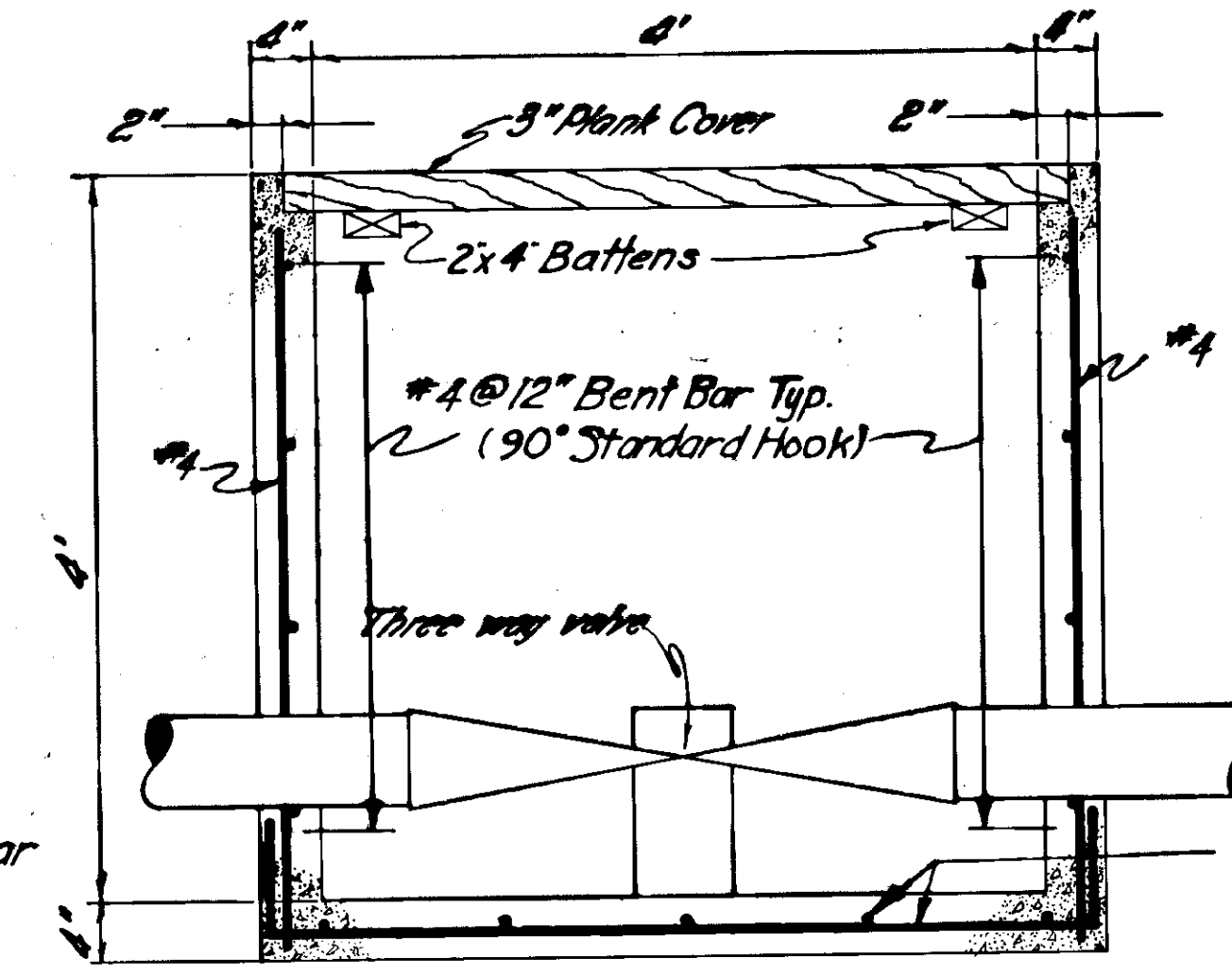


BLIND FLANGE INSTALLATION DETAIL

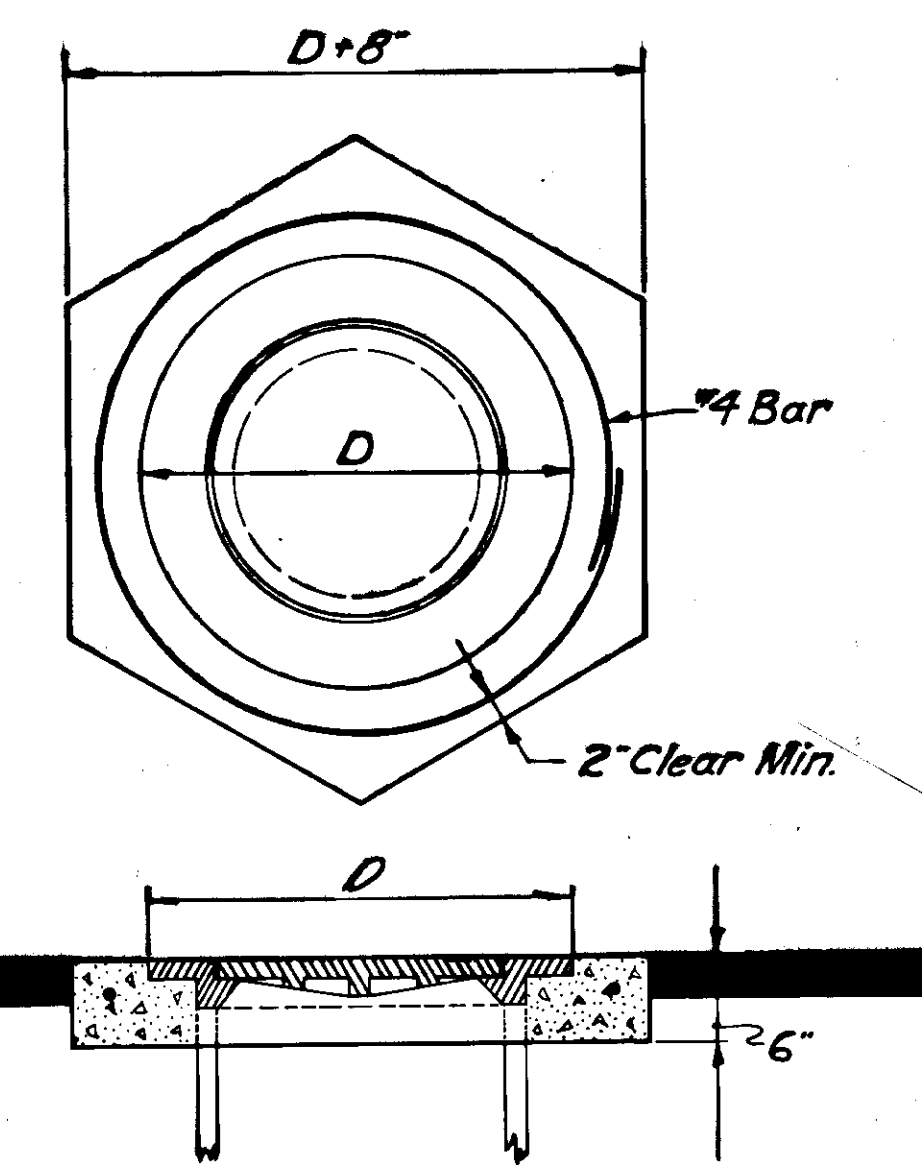
GENERAL DETAILS



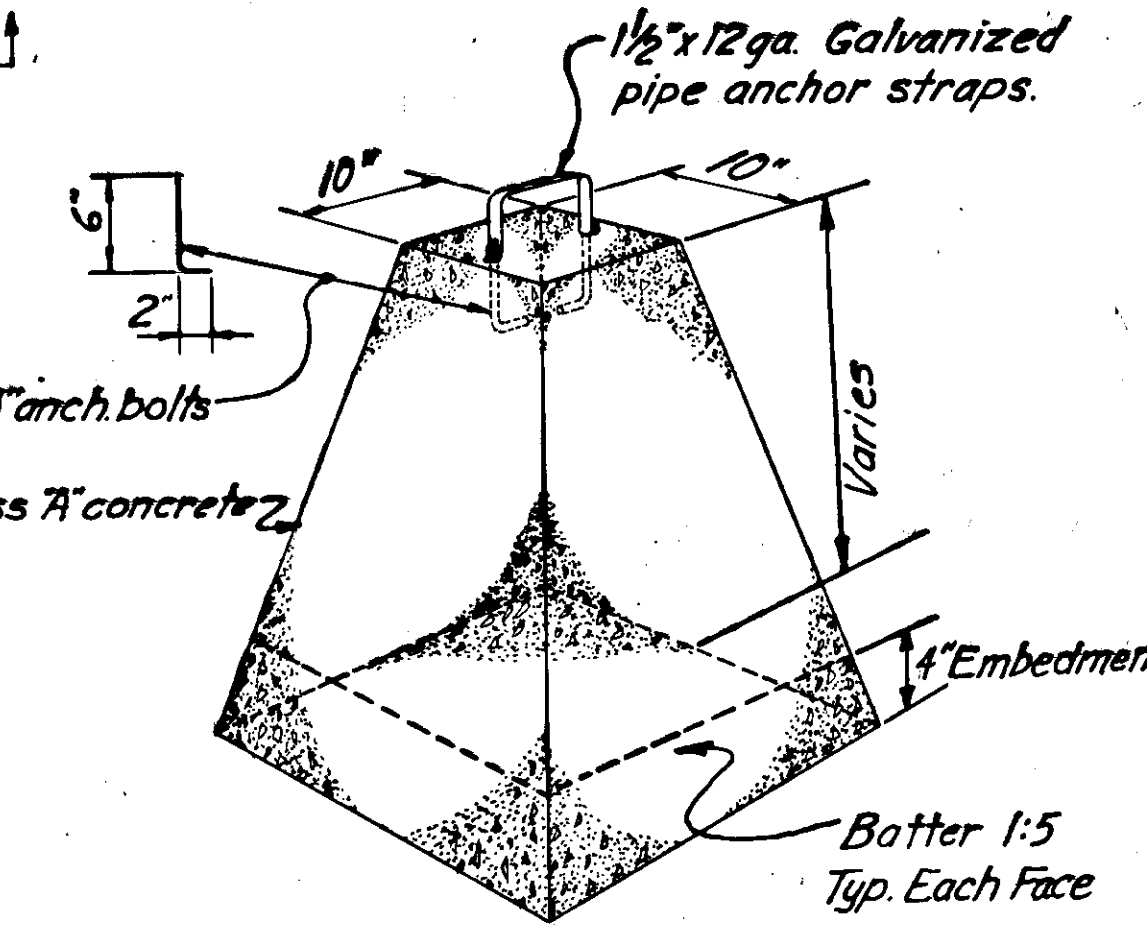
PLAN



SECTION B-B
THREE WAY VALVE BOX DETAIL

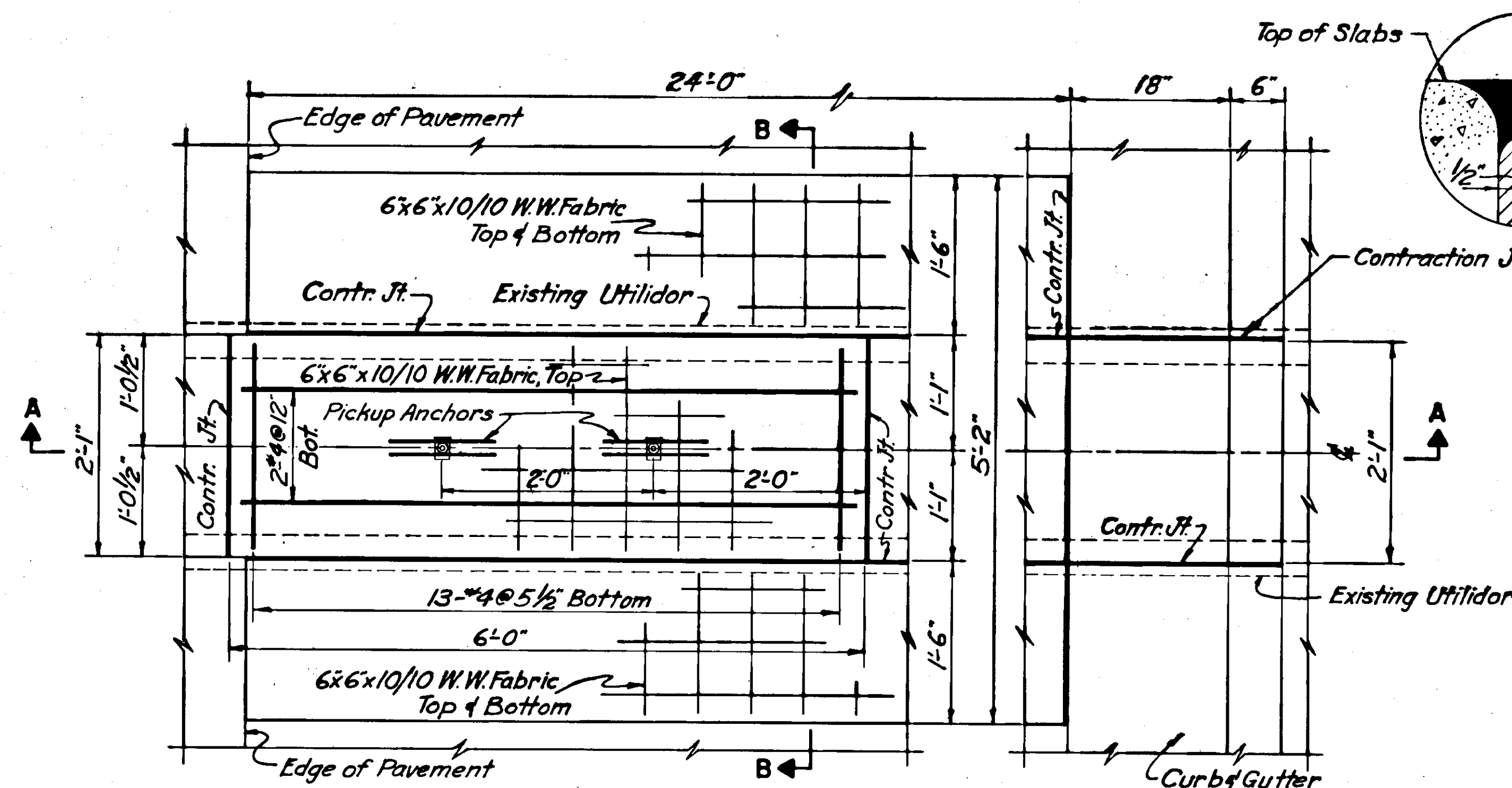


CONCRETE ENCASEMENT DETAIL
All manhole, valve box, and sewer cleanout covers falling within the pavement limits shall be adjusted to grade and encased in class A concrete.

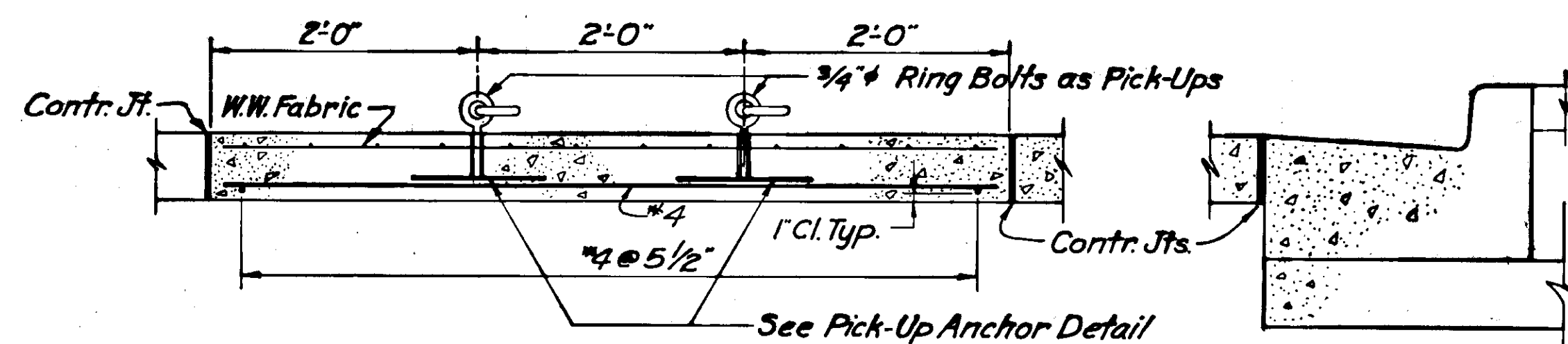


CONCRETE-PIPE SUPPORT

UTILIDOR COVER DETAILS



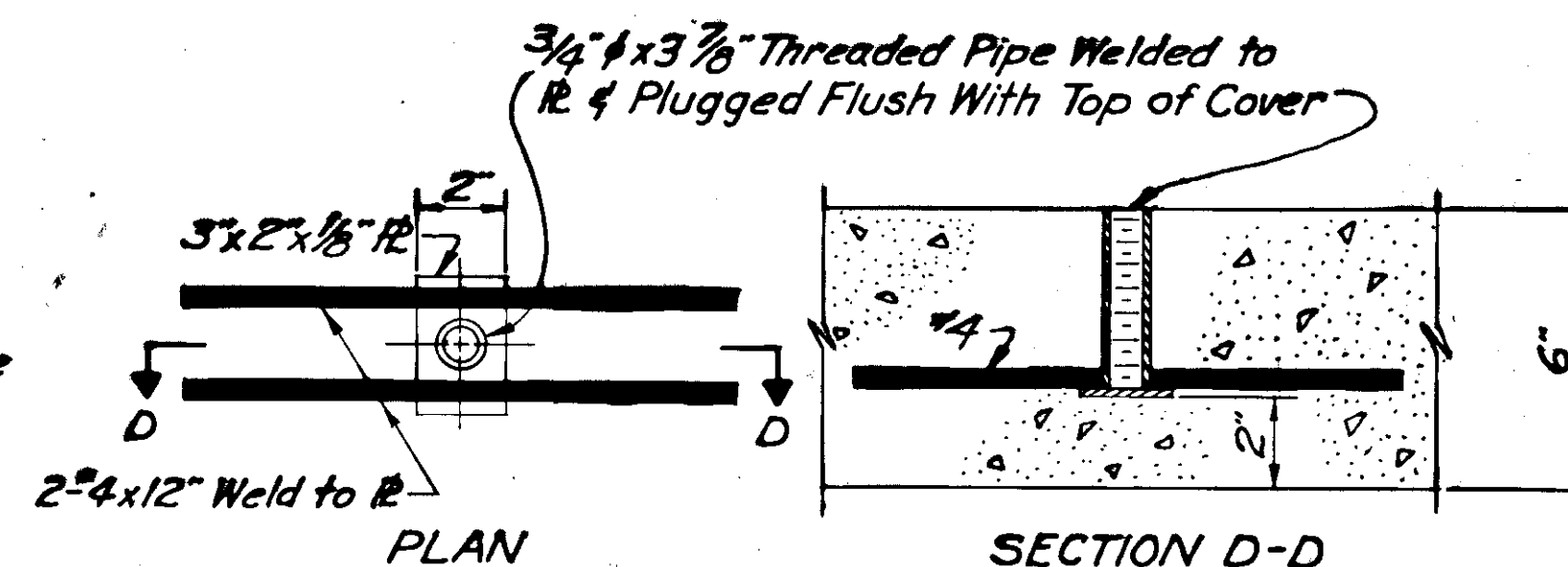
PLAN-UTILIDOR COVER REPLACEMENT



SECTION A-A

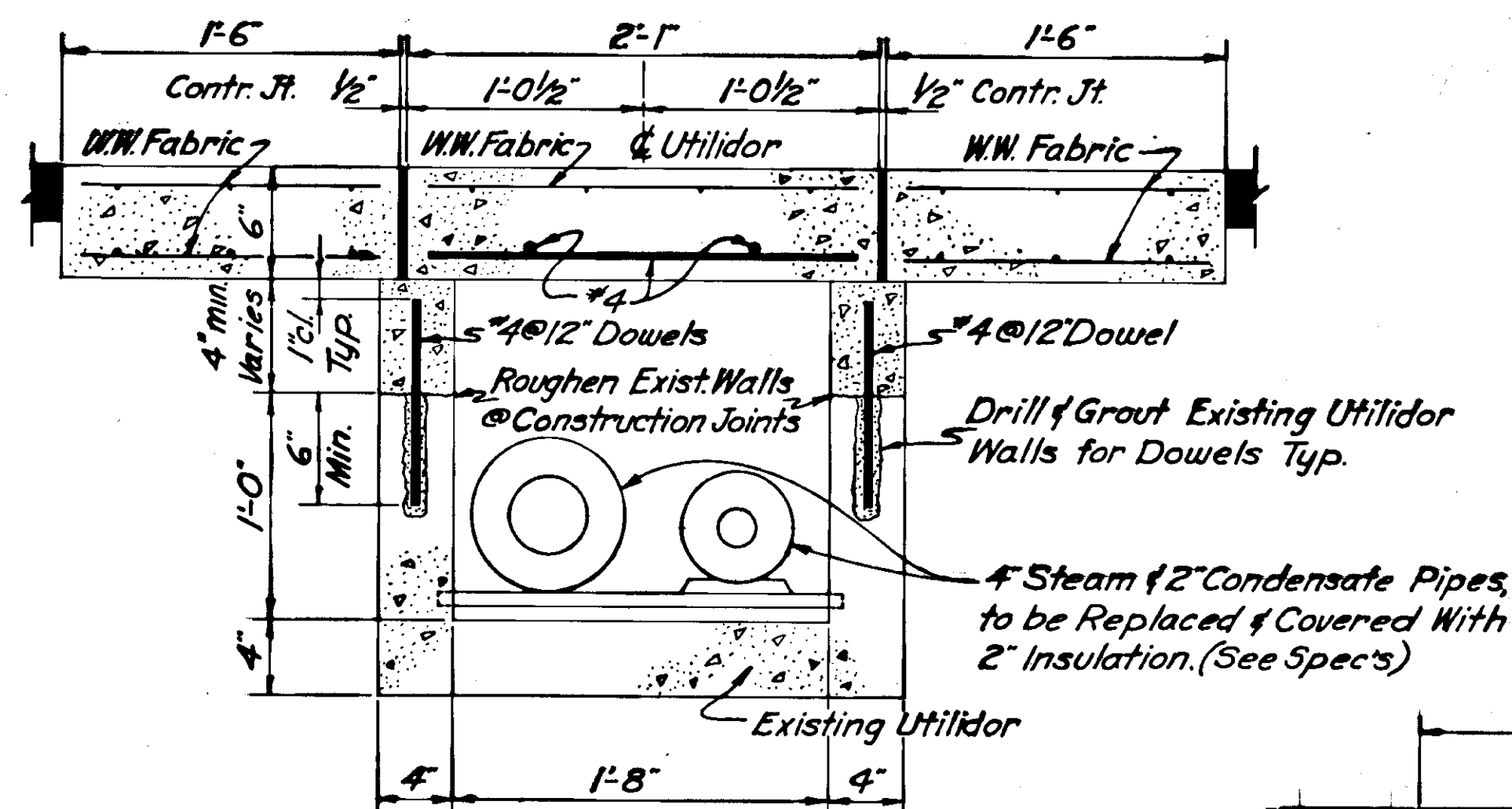
Note: After placement of pre-cast concrete sections the lift ring bolts will be turned over to the engineer and the pipe plugged with a removable plug flush with the pavement.

Type 2 Curb and Gutter to be Poured on Top of Concrete Utilidor Cover. Additional Depth will be Considered Incidental.

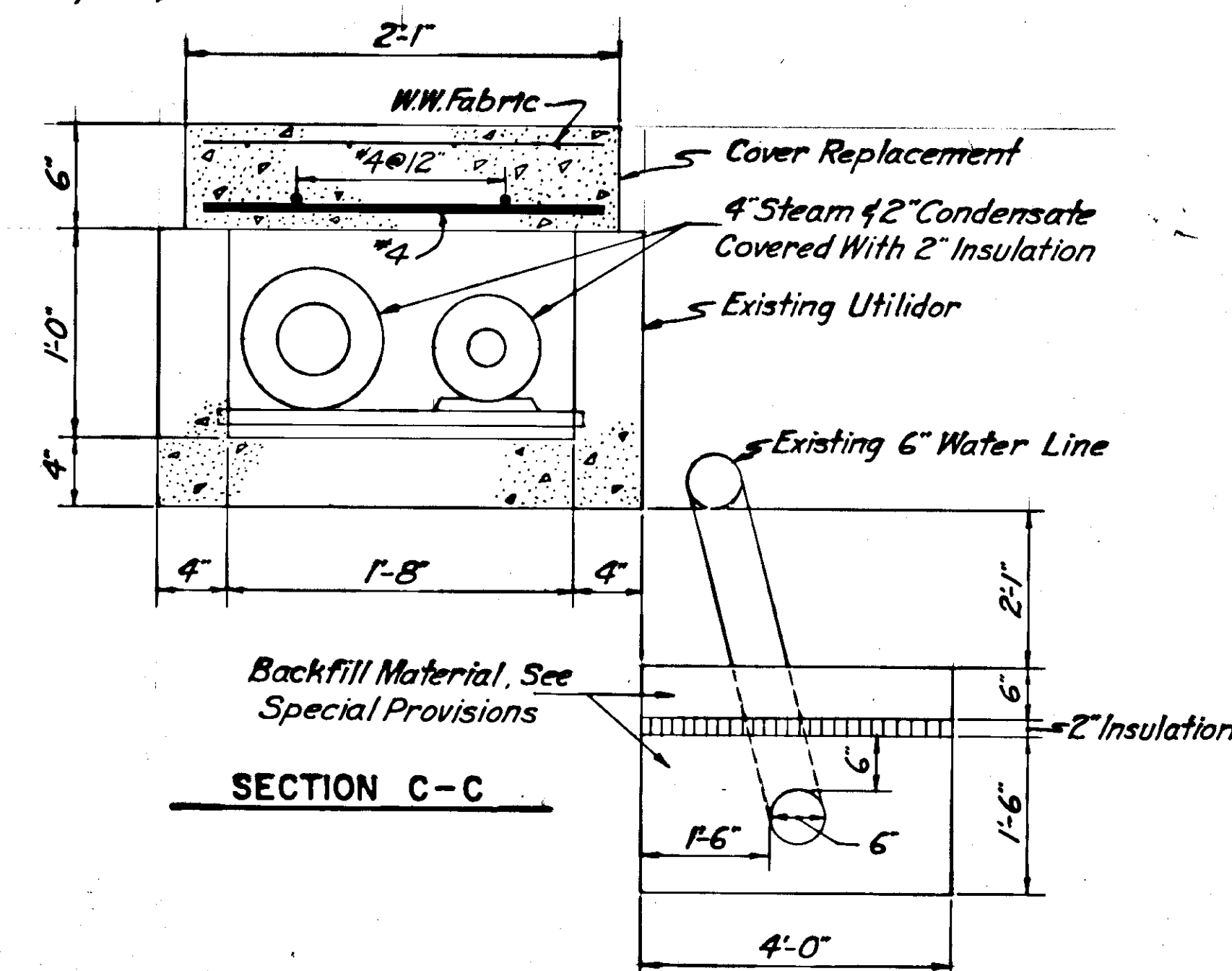


PICK-UP ANCHOR DETAIL

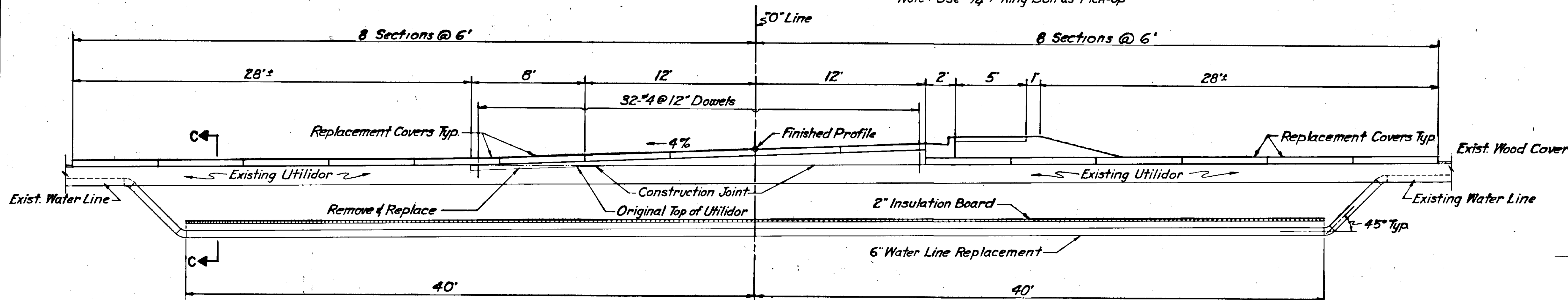
Note: Use 3/4" Ring Bolt as Pick-Up



SECTION B-B



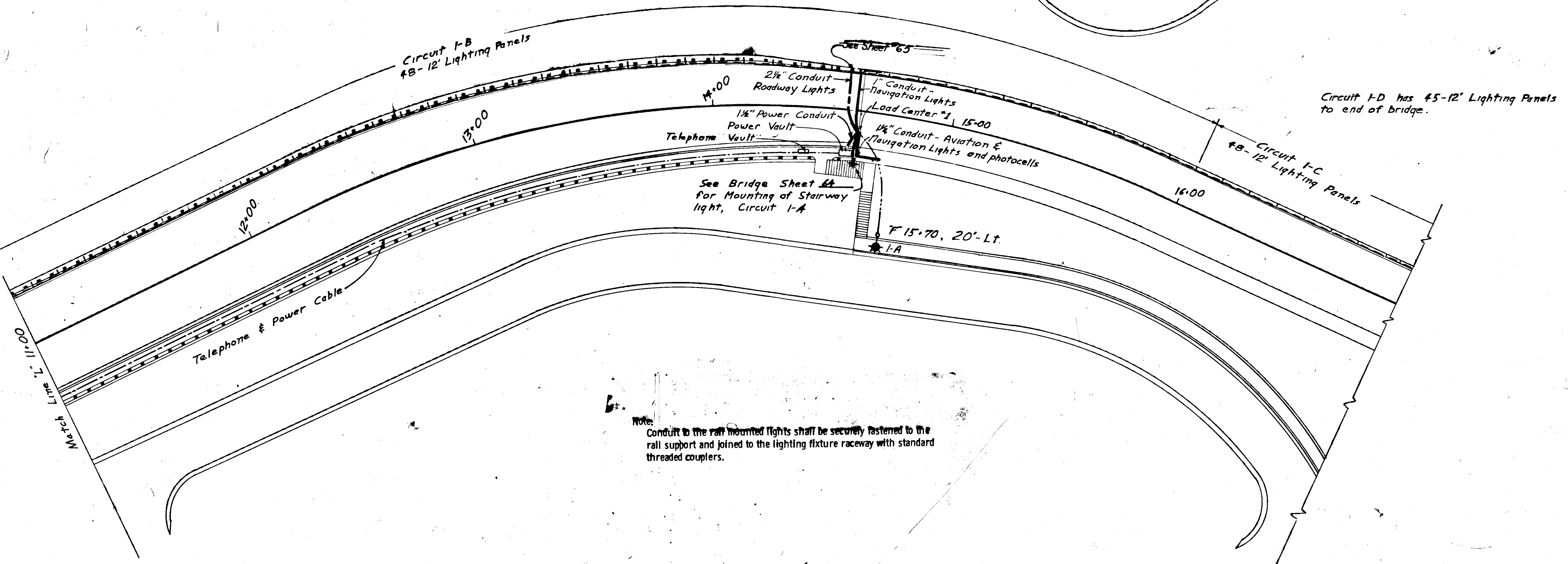
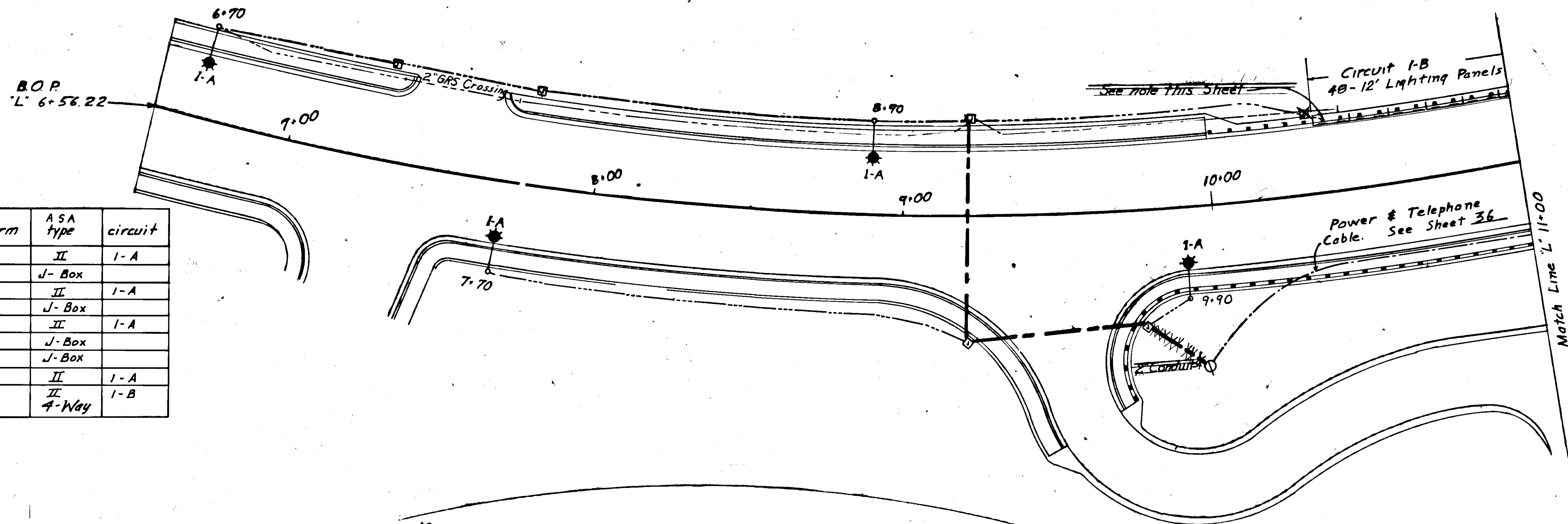
SECTION C-C

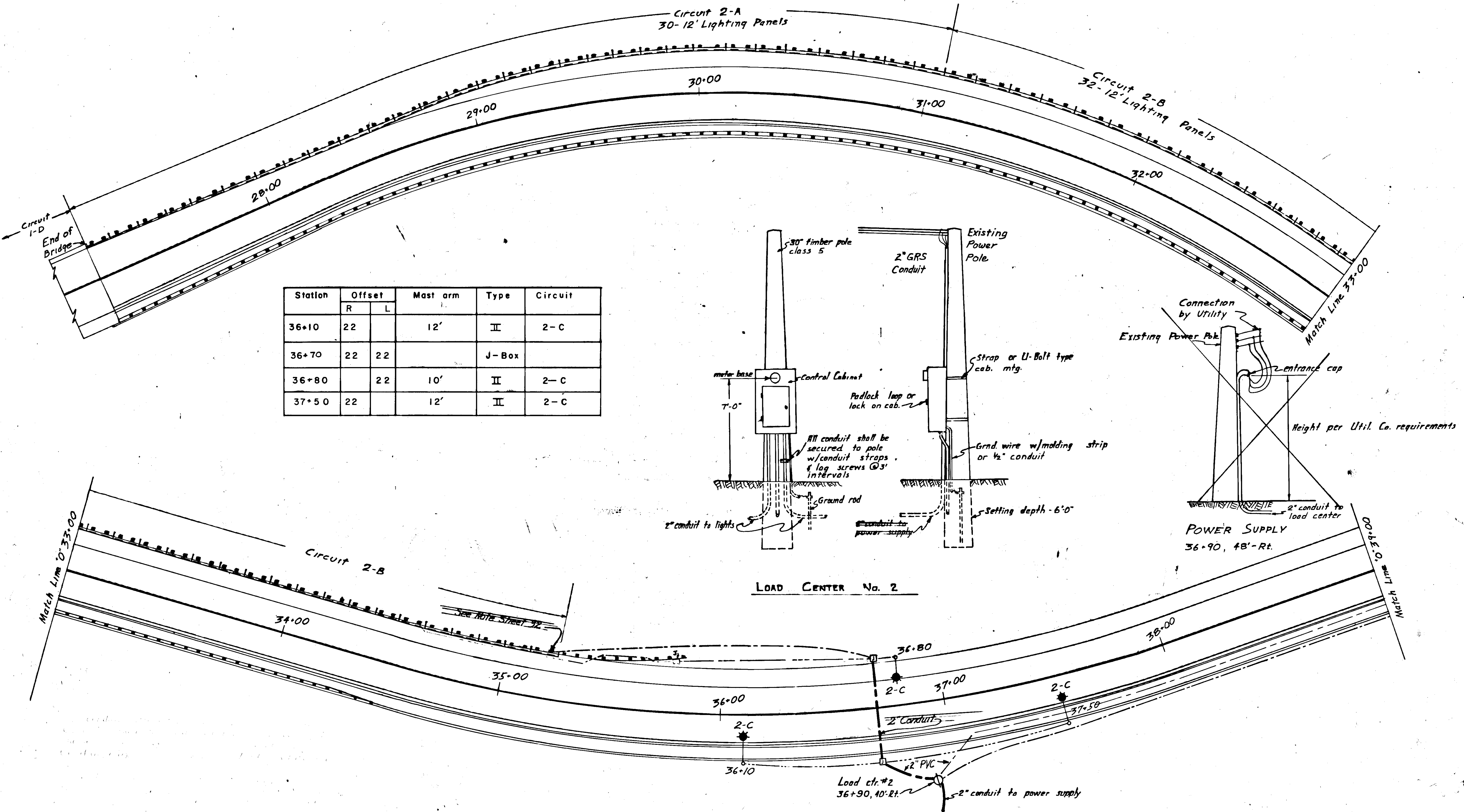


PROFILE-UTILIDOR COVER REPLACEMENT

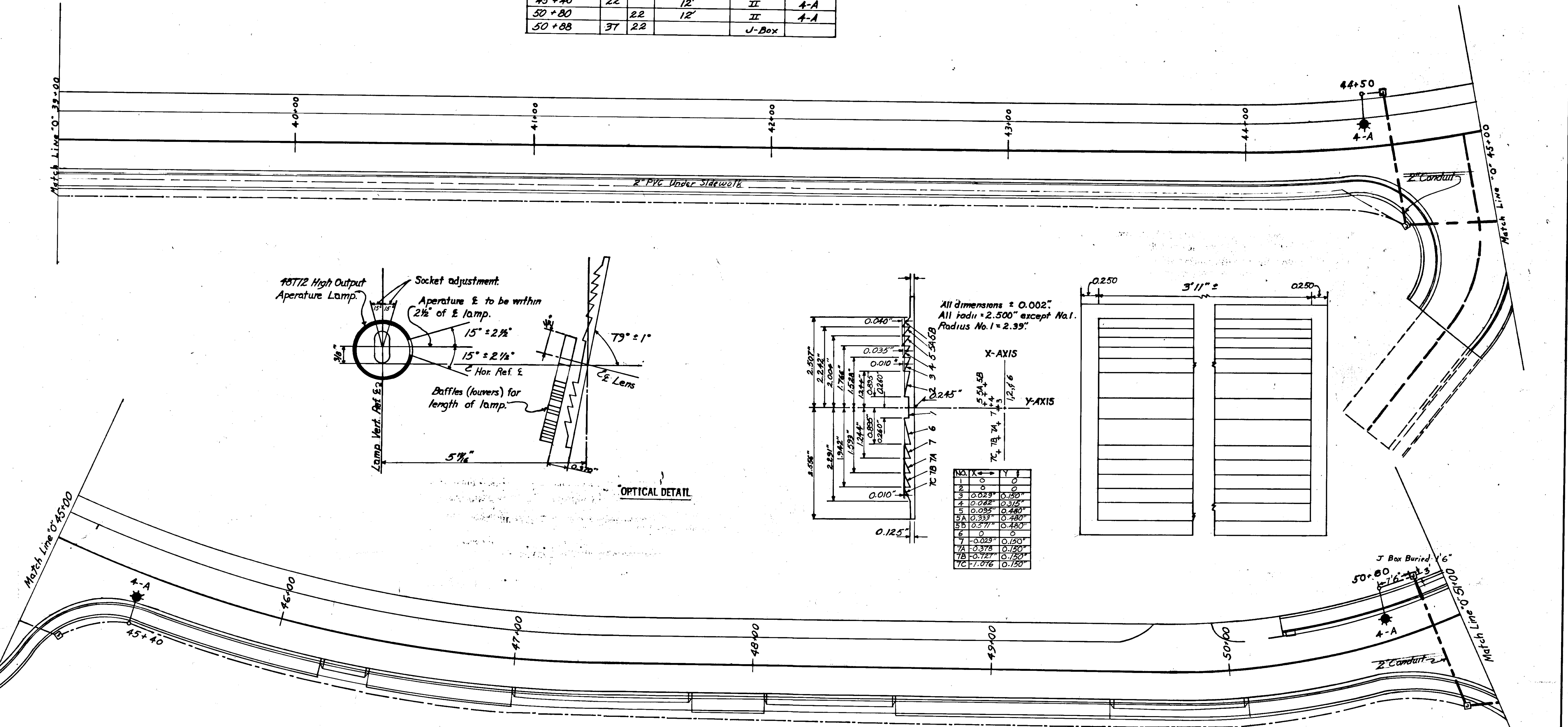
UTILIDOR QUANTITIES		
Concrete (Cu. Yds.)	Steel (lbs)	Excavation For Structures (Cu. Yds.)
5.6	500*	17

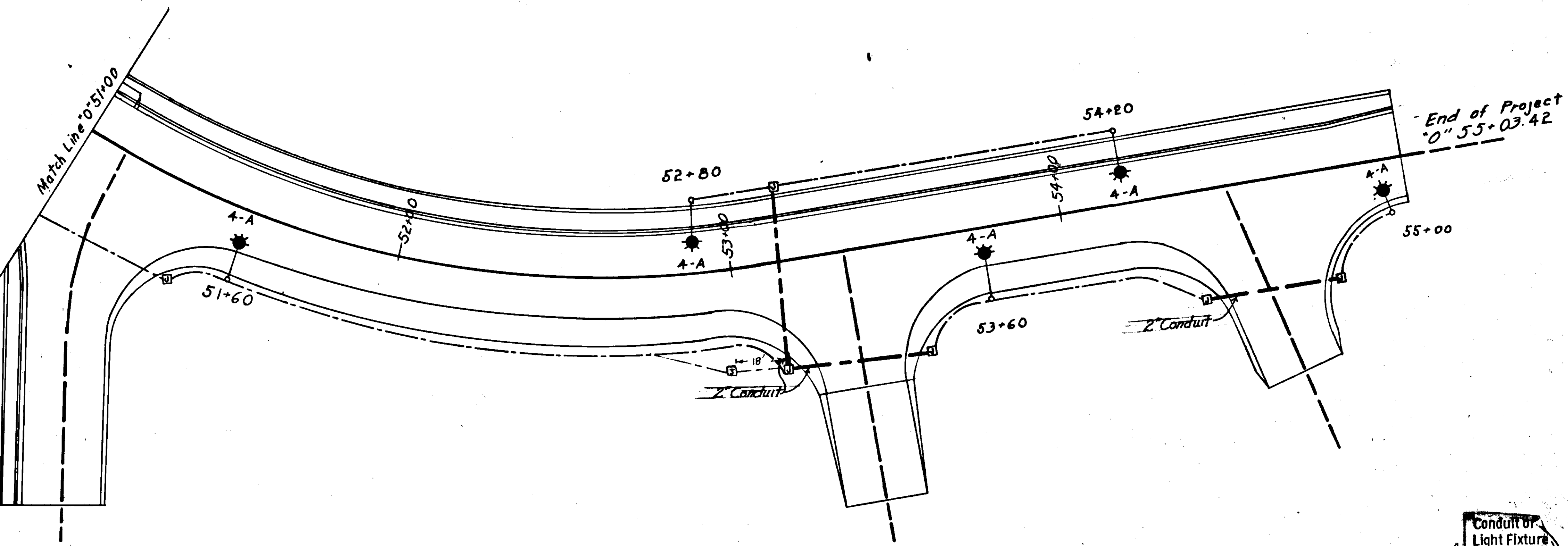
Station	offset		mast arm	ASA type	circuit
	R	L			
6+70		32	12'	II	I-A
7+30		32		J-Box	
7+70	32		12'	II	I-A
7-78		32		J-Box	
8+90		32	12'	II	I-A
9+20	43	32		J-Box	
9-75	40			J-Box	
9-90	32		12'	II	I-A
"F" 15+70		20	8'	II 4-Way	I-B



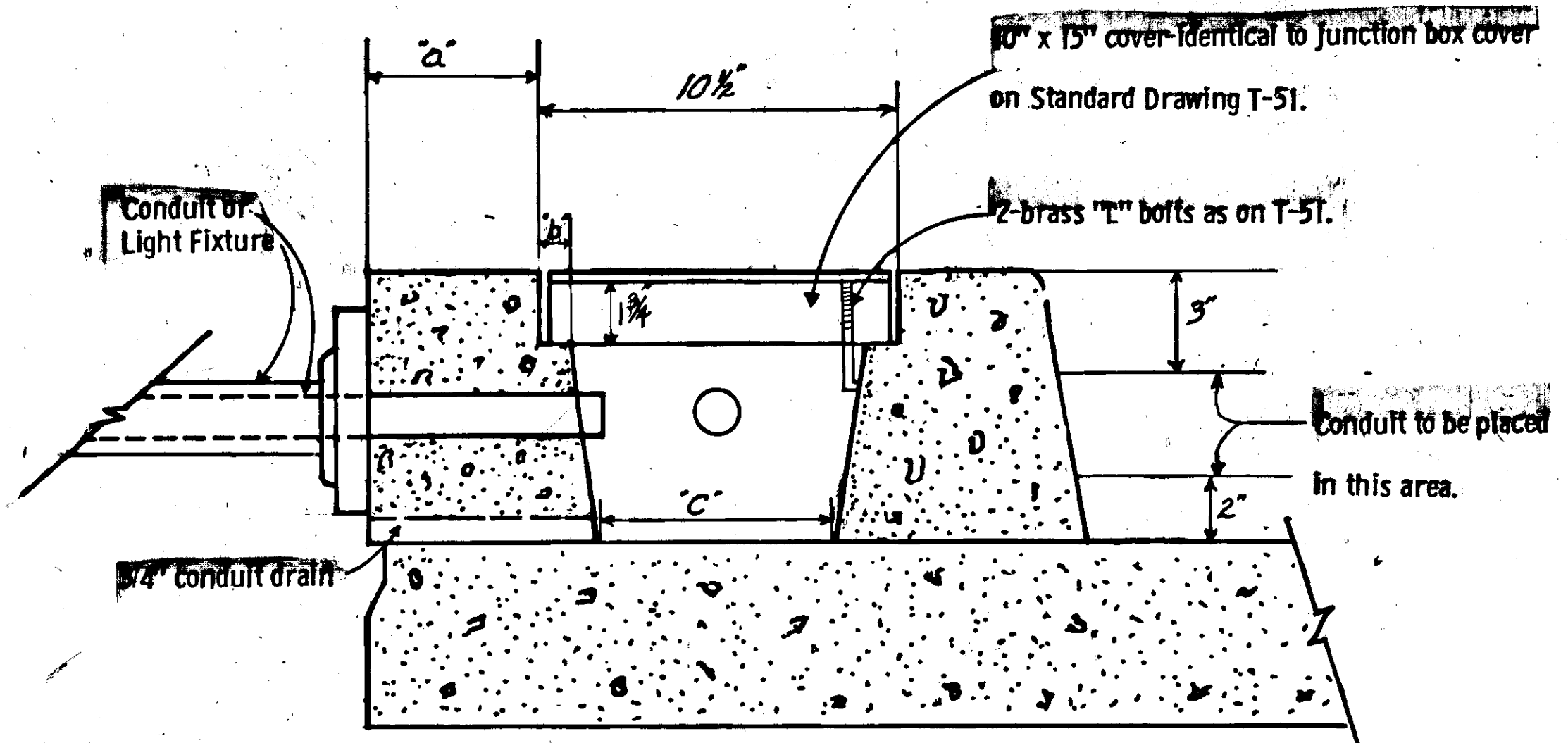


Station	offset		mast arm	ASA type	circuit
	R	L			
44+50		22	10'	II	4-A
44+60	32	22		J-Box	
45+18	36			J-Box	
45+40	22		12'	II	4-A
50+80		22	12'	II	4-A
50+88	37	22		J-Box	





Note: Conduit runs shall be in the approximate center of the curb or sidewalk.



	"a"	"b"	"c"
SIDE WALK	2"	1 1/2"	6"
CURB	5"	1"	7"

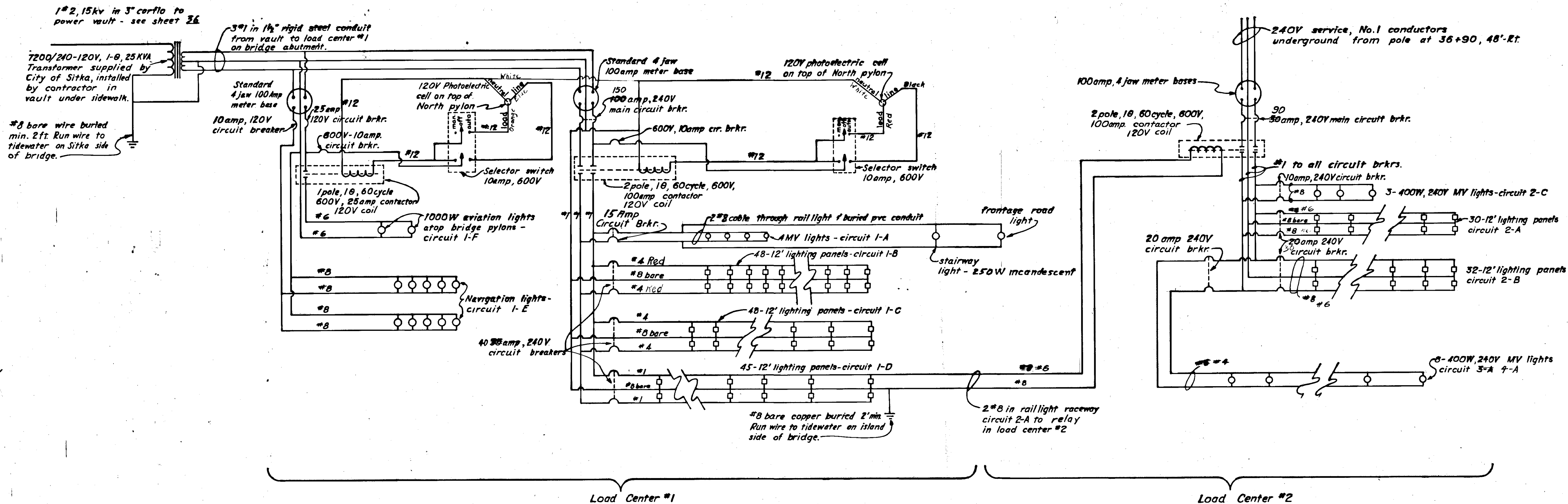
DETAIL

Junction box in bridge curb or sidewalk.

Station	offset		mast arm	type	circuit
	R	L			
51+43	30			J-Box	
51+60	22		B	II	4-A
52+80		22	12	II	4-A
53+15	33	22		J-Box	
53+59	33			J-Box	
53+60	22		B	II	4-A
54+20		22	12	II	4-A
54+44	30				
54+85	30				
55+00	17		B	II	4-A

NOTES

1. All conduit sizes shall be 2 inch except as noted. There shall be rigid metal conduit from power sources to load centers, where wires pass under the roadway, in concrete and above grade. Direct burial or conduit may be used elsewhere, unless specifically noted otherwise.
2. All junction boxes are type I except as noted.
3. All luminaires shall be 400 Watt Mercury Vapor, medium semi-cutoff, with a mean initial output of 20,500 vertical lumens, mounted 30' above the roadway as per Standard Drawing T-51. All luminaires shall be equipped with glare shields.
4. Locations given are approximate only and are subject to minor field adjustment by the engineer.
5. Foundations for luminaire poles shall be 2' diameter by 7' deep.



SCHEMATIC DIAGRAM

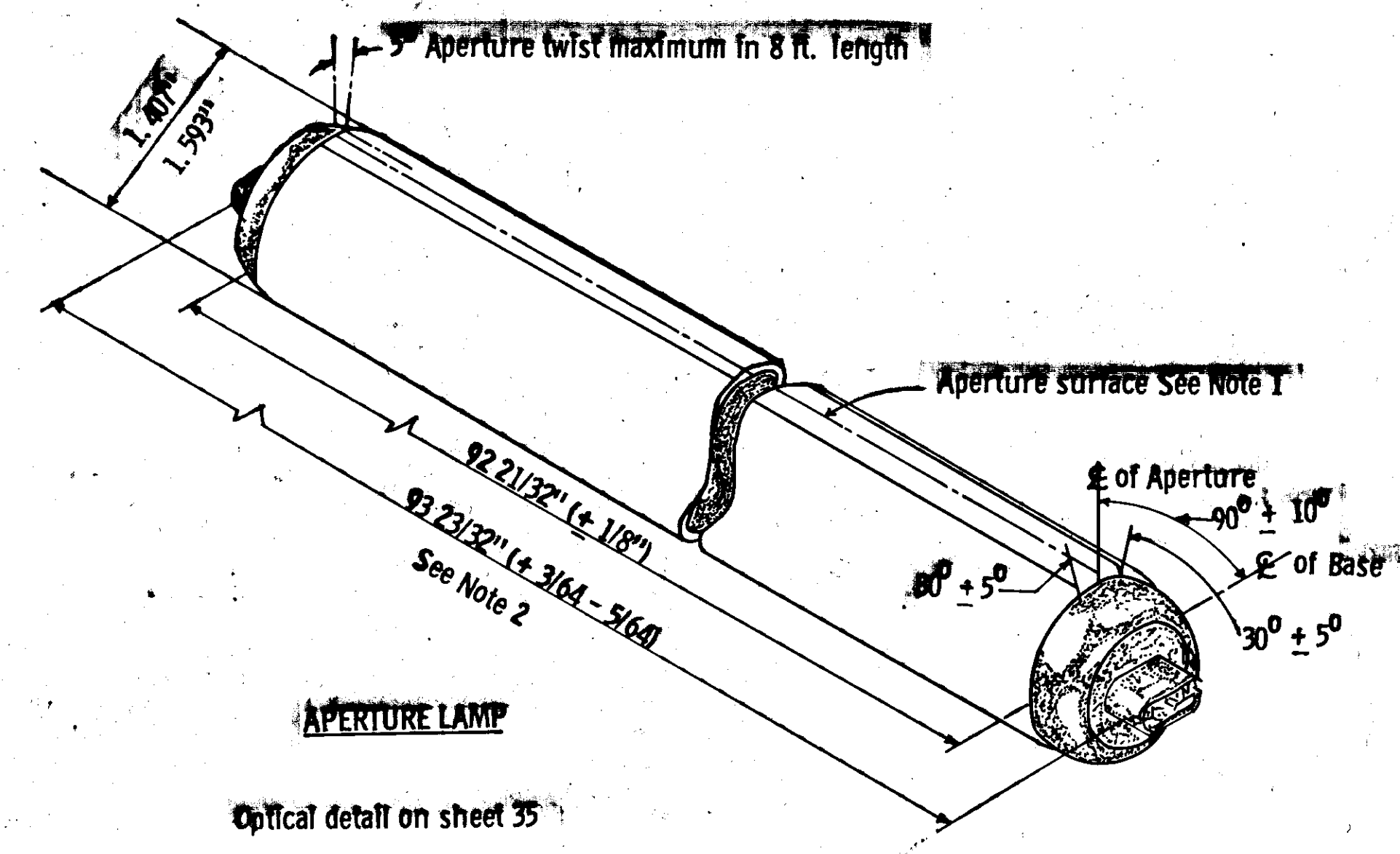
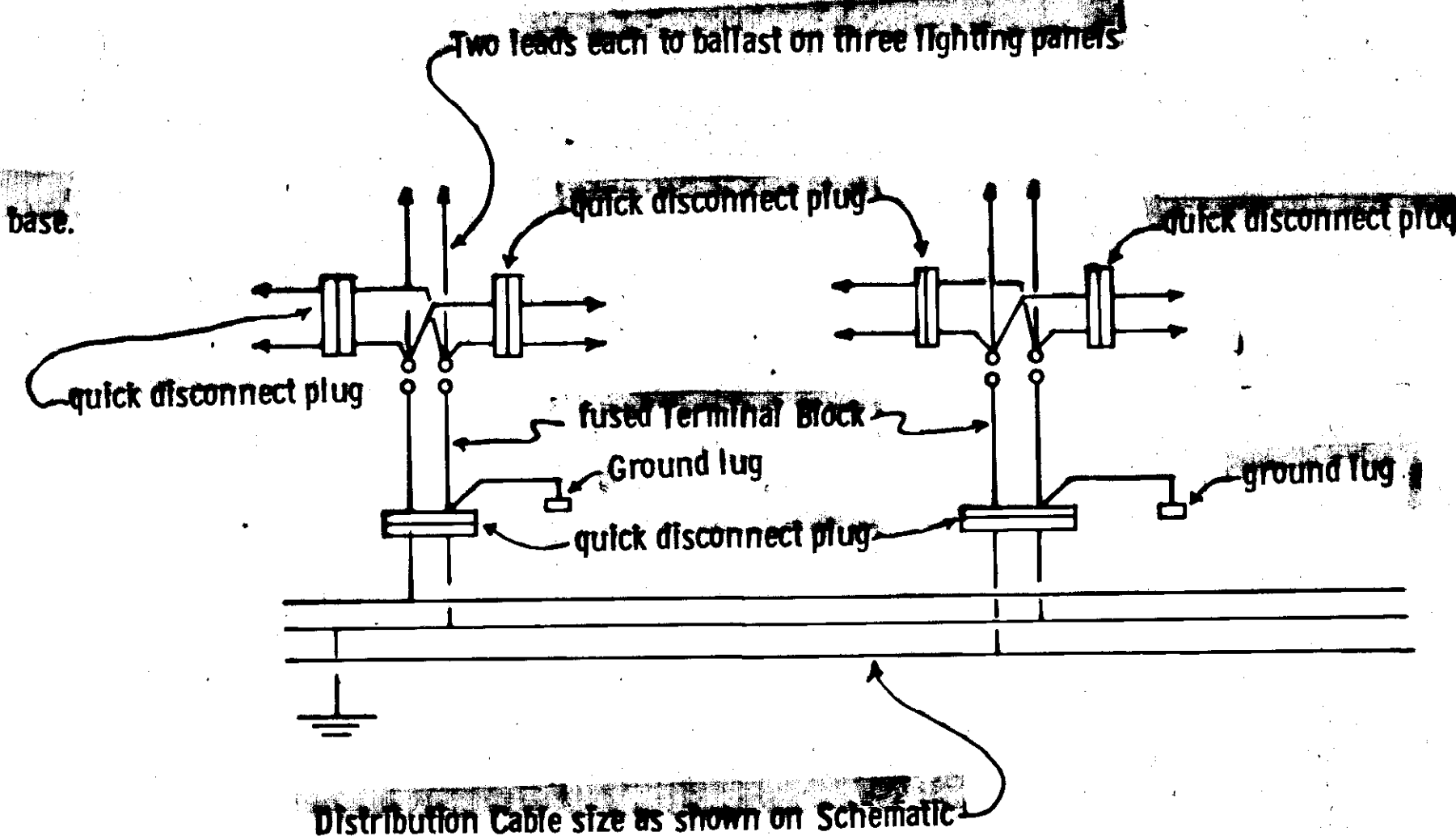
LOAD CENTER NOTES

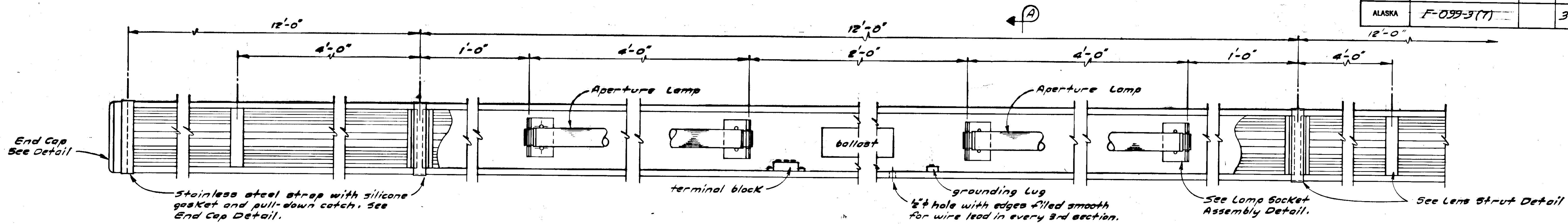
1. All non-current carrying metal parts of equipment and enclosures shall be grounded.
2. A copy of the schematic diagram is to be mounted on the inside face of cabinet door.
3. All switches and circuit breakers shall be labeled.
4. Wood poles shall be treated with creosote or pentachlorophenol to a minimum penetration of one-half (1/2) inch and shall meet the standards and dimensions set forth by the USASI bulletin 05-1-1963.

APERTURE LAMP NOTES

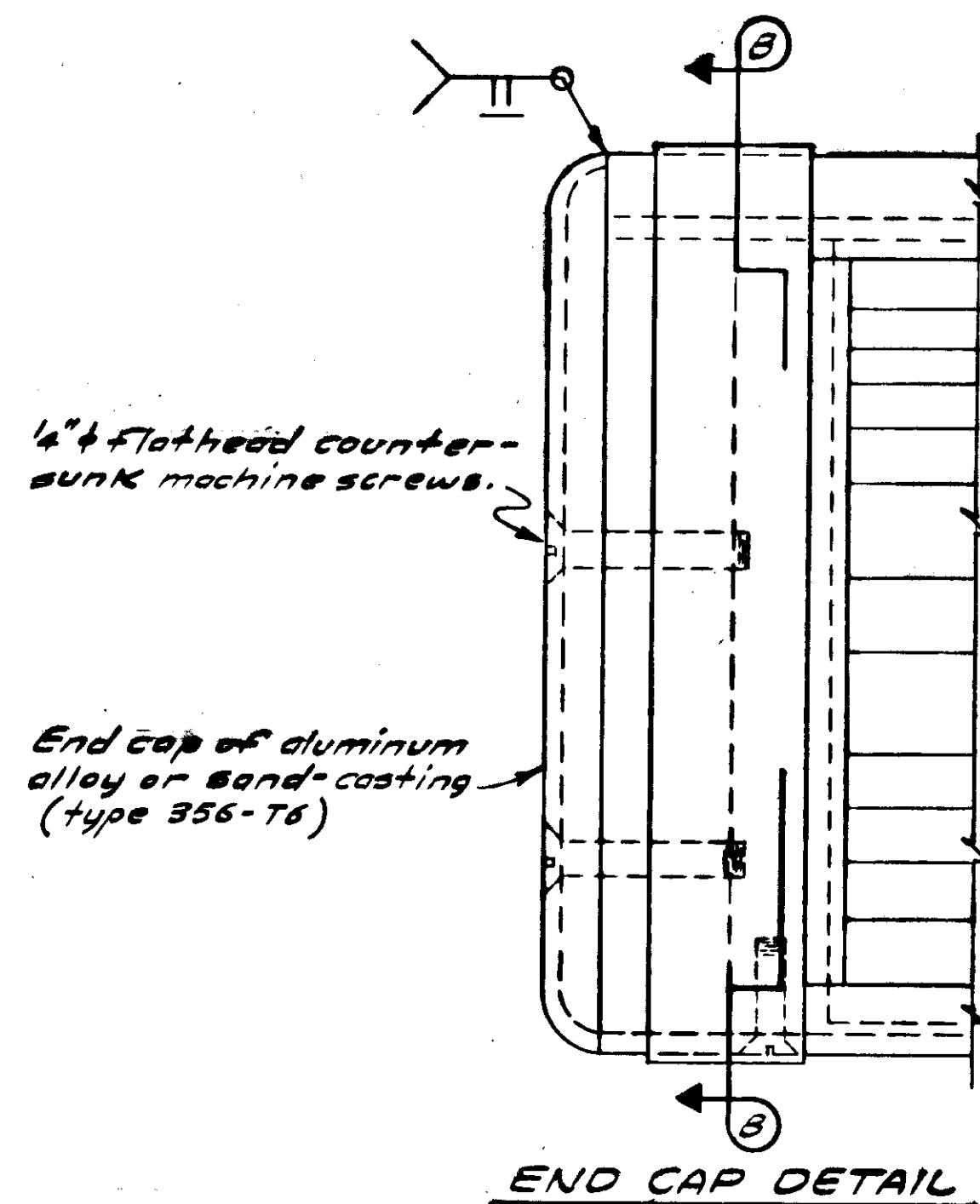
1. The aperture surface shall not sag or bend more than 1/16" throughout its length.
2. Tolerances are not additive and are measured 3" from base.

Note: Wire sizes to be #12 A.W.G.

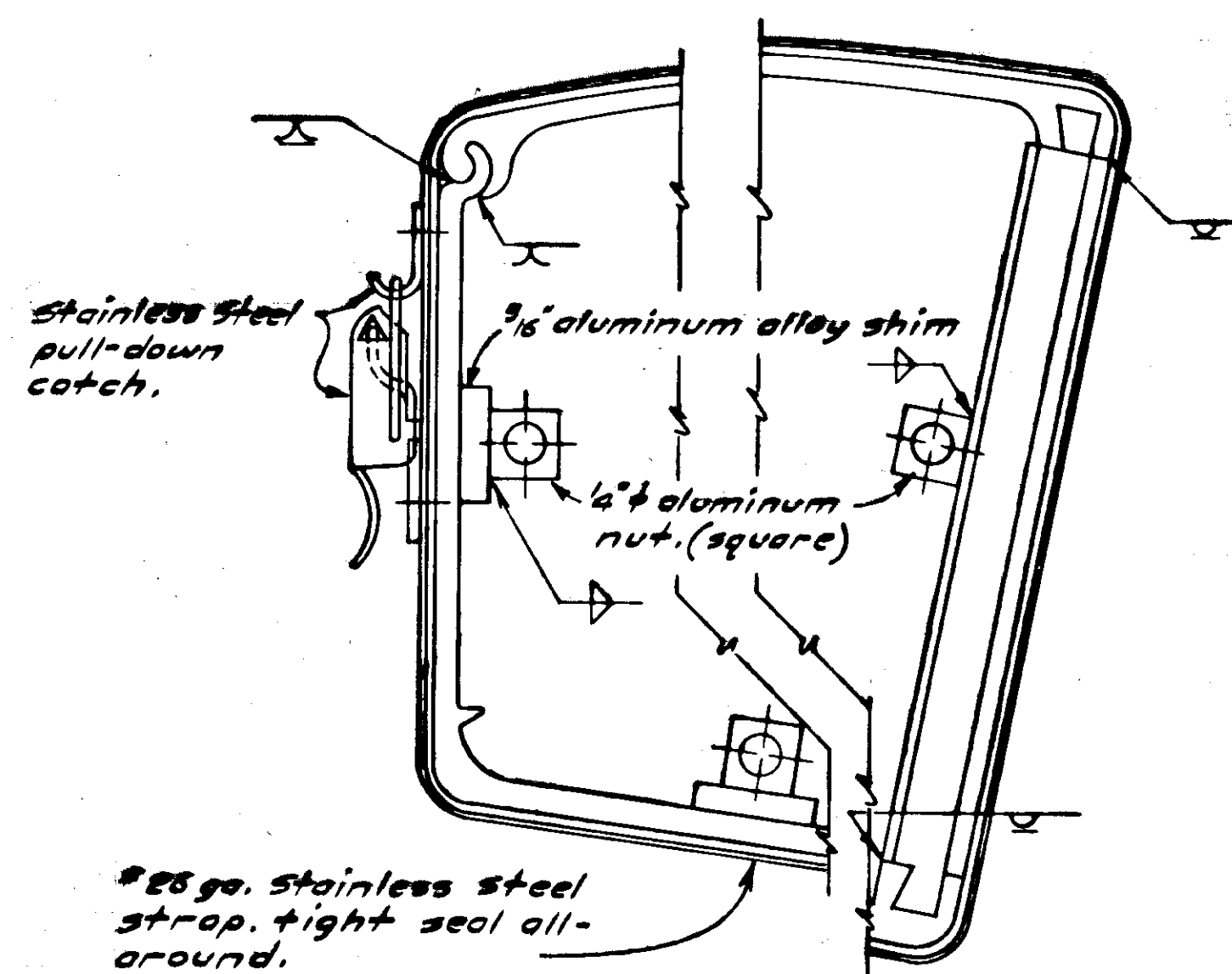




ELEVATION OF FIXTURE

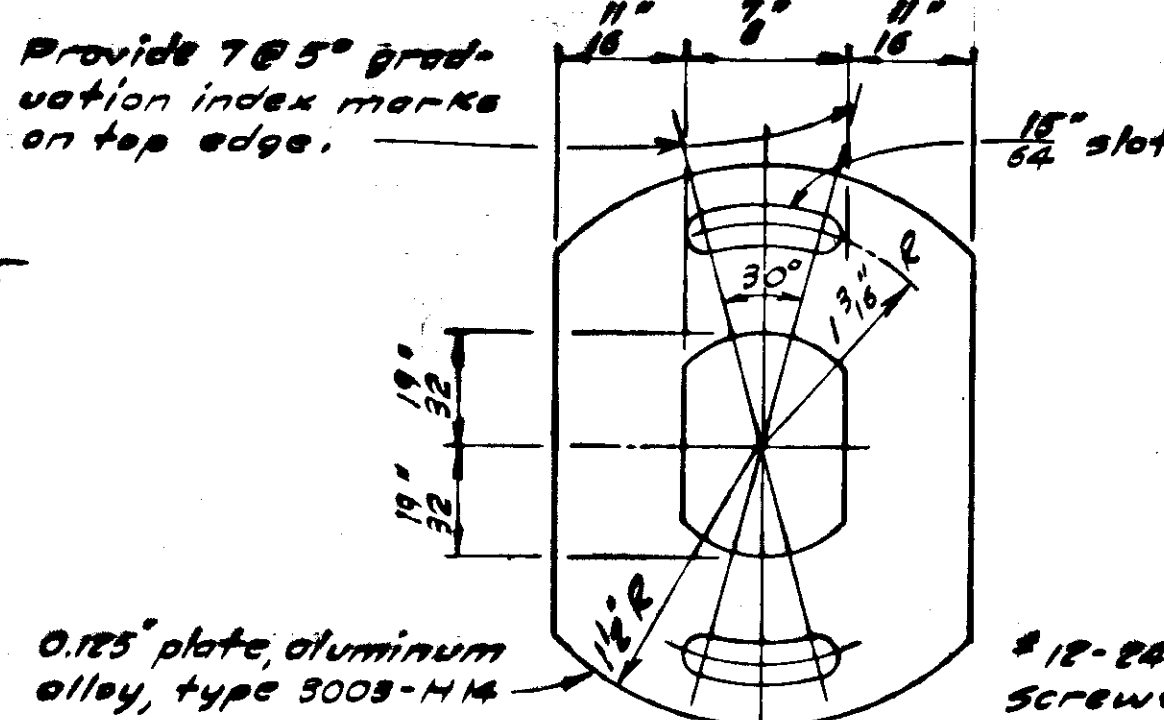


END CAP DETAIL

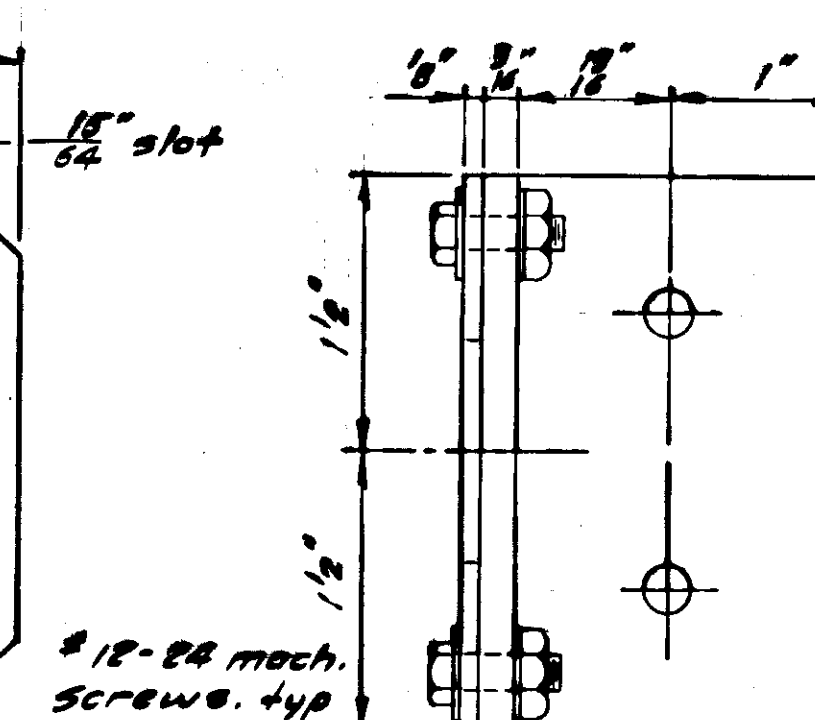


SECTION B-B

Provide 7 @ 5° graduation index marks on top edge.

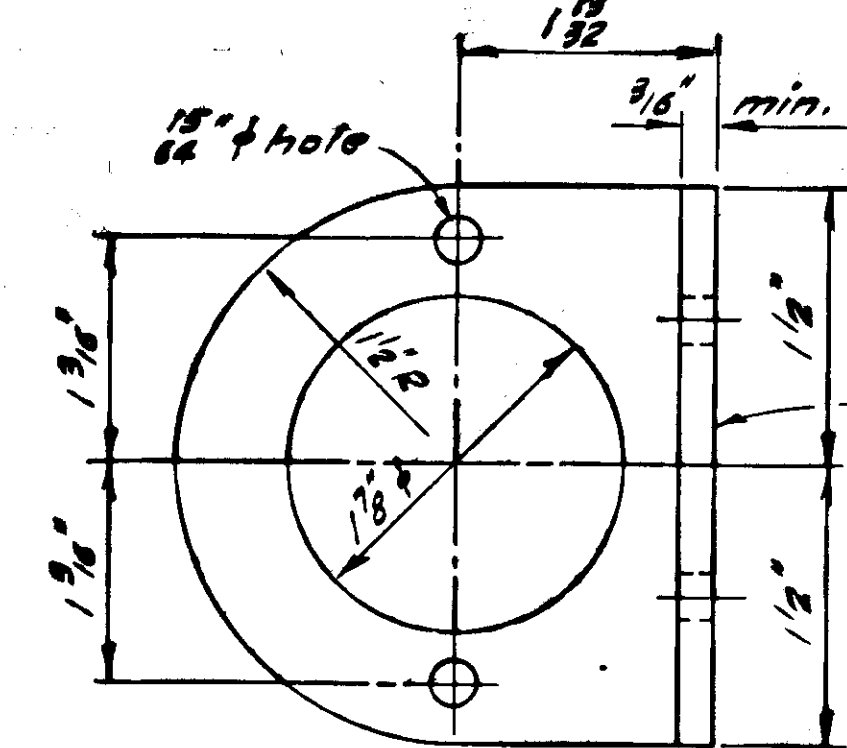


RETAINER

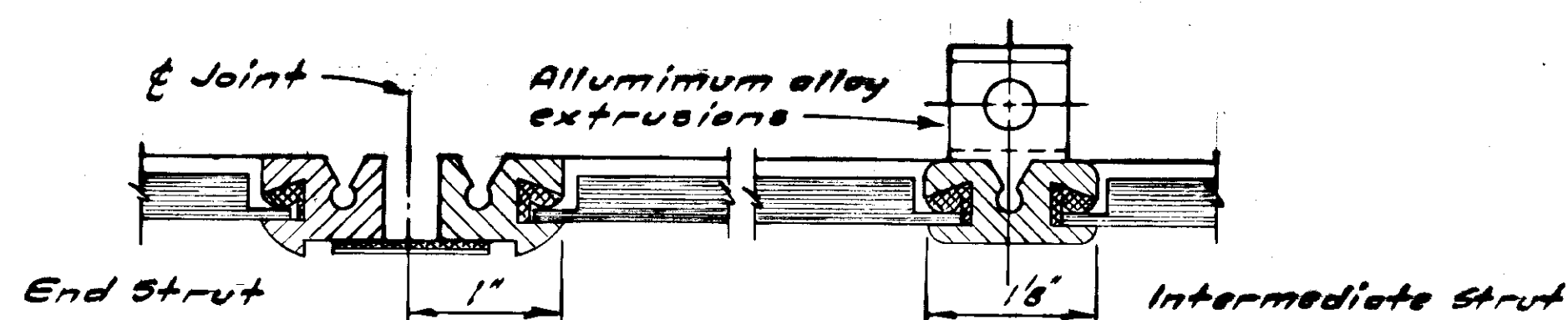


ASSEMBLY

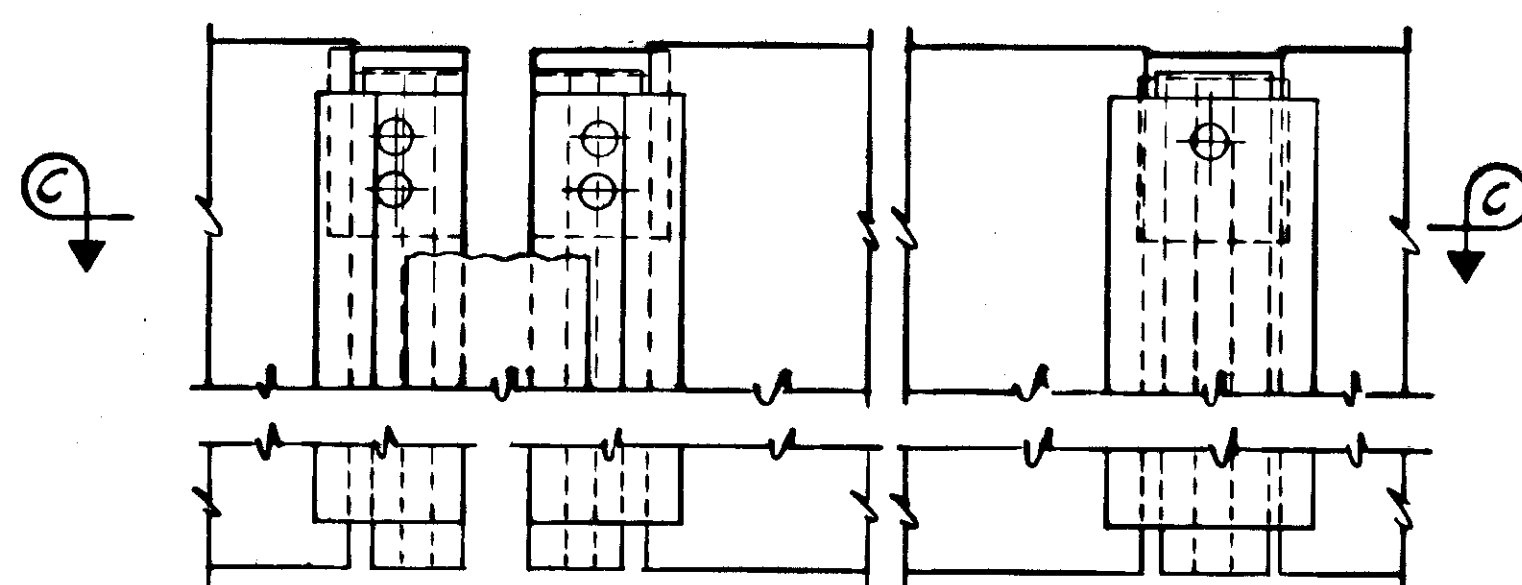
LAMP SOCKET ASSEMBLY DETAIL



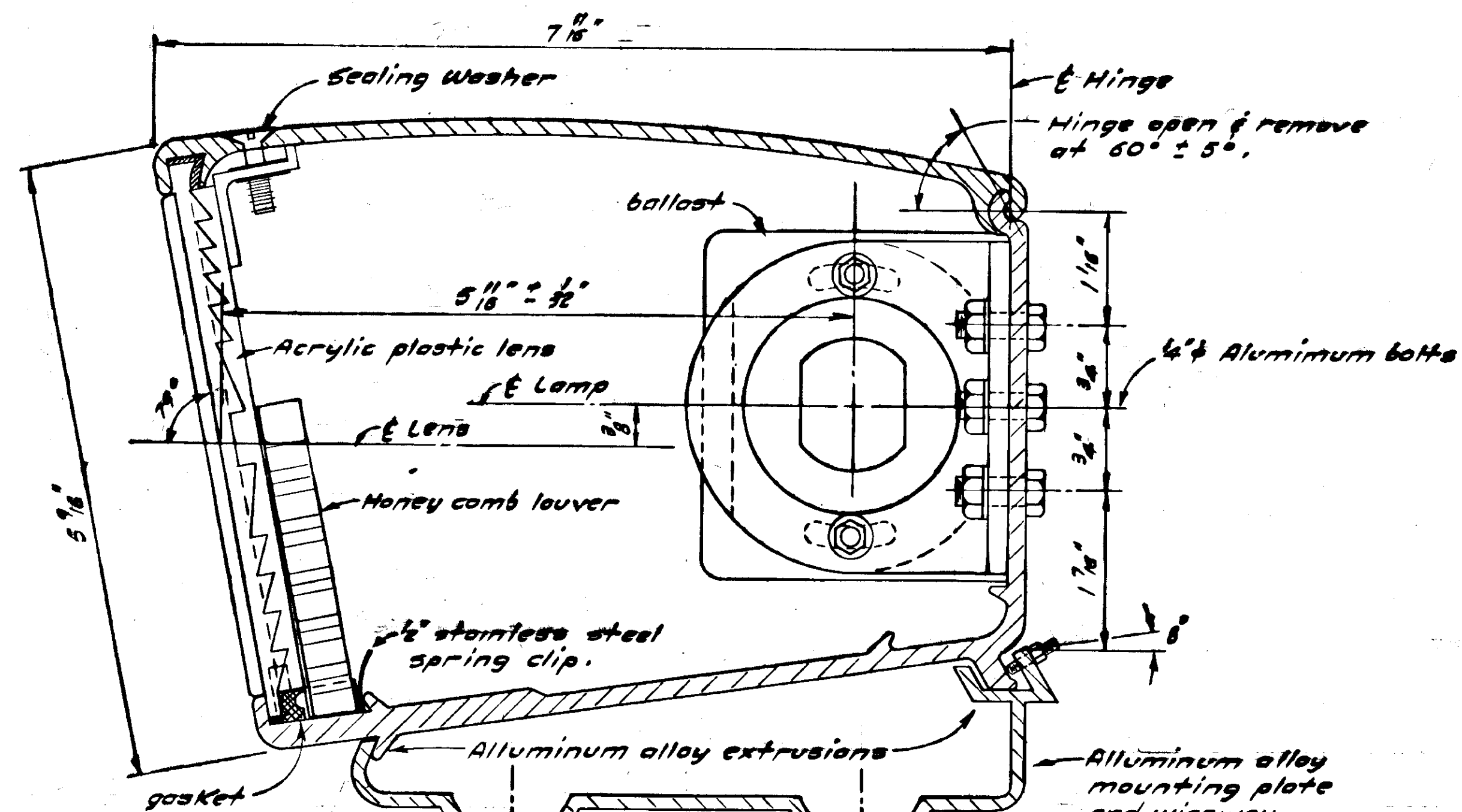
MOUNTING BASE



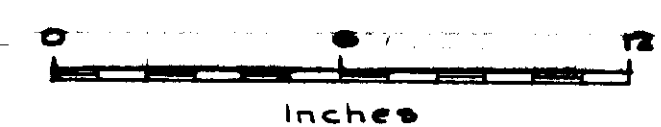
SECTION C-C



**ELEVATION
STRUT DETAILS**



SECTION A-A



SITKA HARBOR BRIDGE

ROUTE NO. F-99

BRIDGE RAIL LIGHTING FIXTURE DETAIL

State of Alaska
DEPARTMENT OF HIGHWAYS
Juneau, Alaska

Date _____
Approved _____

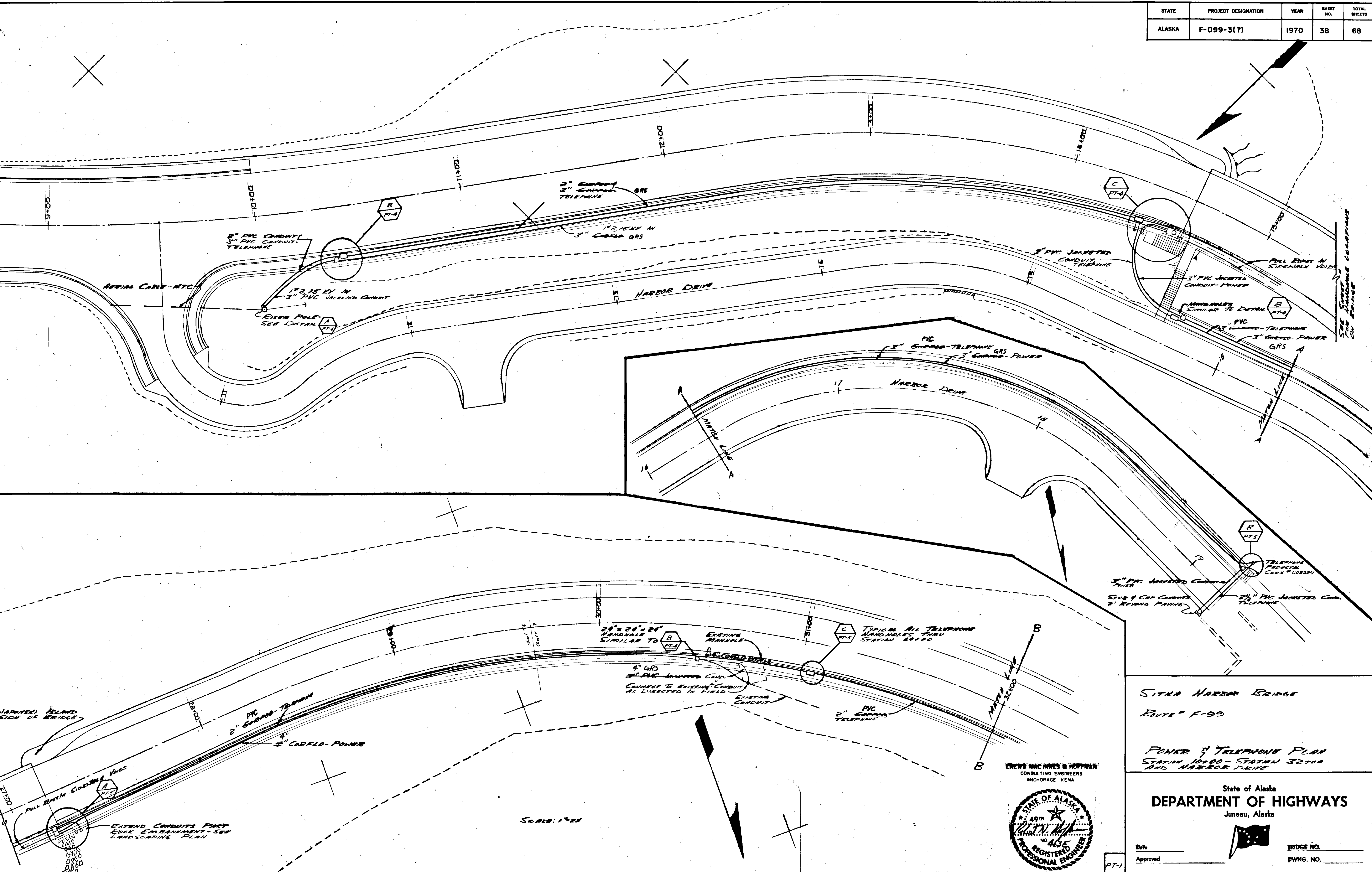


BRIDGE NO. 245

DWG. NO.

37

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	F-099-3(7)	1970	38	68



SITKA HARBOR BRIDGE
ROUTE " F-99

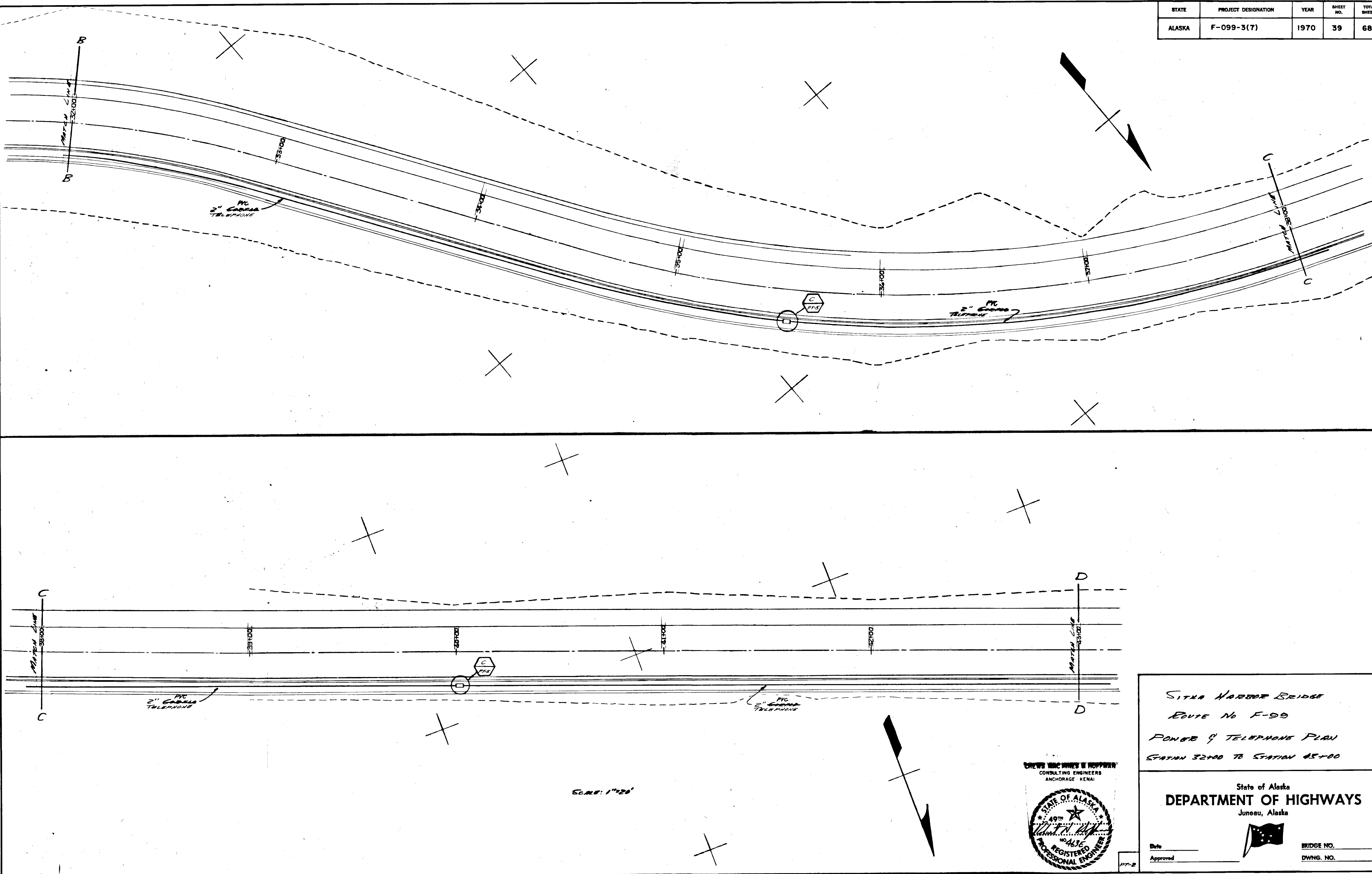
POWER & TELEPHONE PLAN
STATION 10+00 - STATION 32+00
AND HARBOR DEICE

State of Alaska
DEPARTMENT OF HIGHWAYS
Juneau, Alaska

Date
Approved

BRIDGE NO.
DWG. NO.

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	F-099-3(7)	1970	39	68



SITKA HARBOR BRIDGE

ROUTE NO F-99

POWER & TELEPHONE PLAN

STATION 32+00 TO STATION 45+00

State of Alaska

DEPARTMENT OF HIGHWAYS

Juneau, Alaska



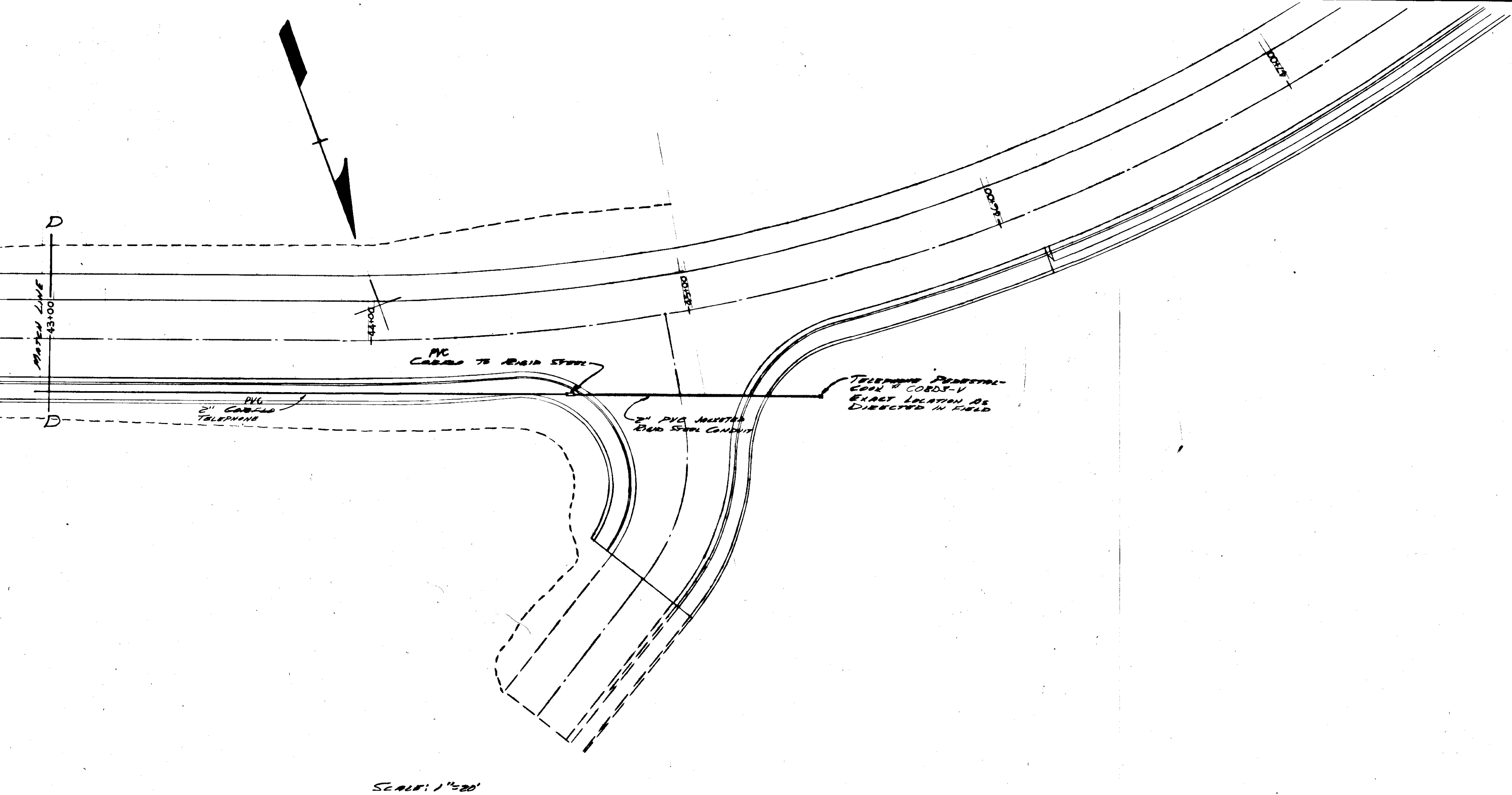
Date _____

Approved _____

BRIDGE NO. _____

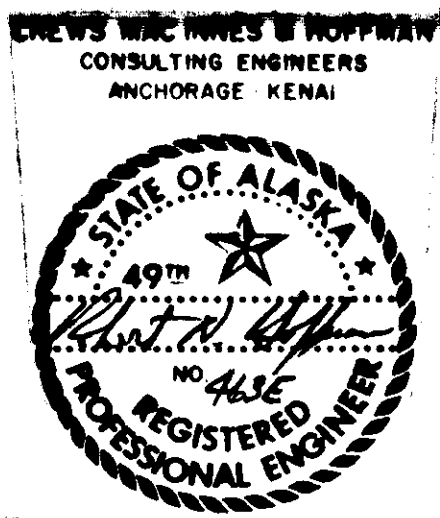
DWG. NO. _____

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	F-099-3(7)	1970	40	68

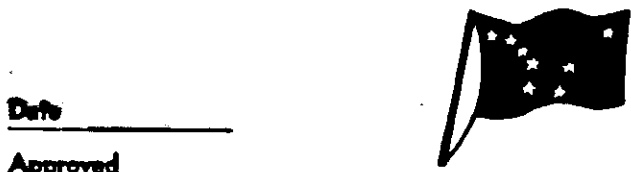


SCALE: 1"=20'

SITKA HARBOR BRIDGE
ROUTE NO. F-99
POWER AND TELEPHONE PLAN
STATION 43+00 TO STATION 45+50



State of Alaska
DEPARTMENT OF HIGHWAYS
Juneau, Alaska



Date _____
Approved _____

BRIDGE NO. _____
DWNG. NO. _____

