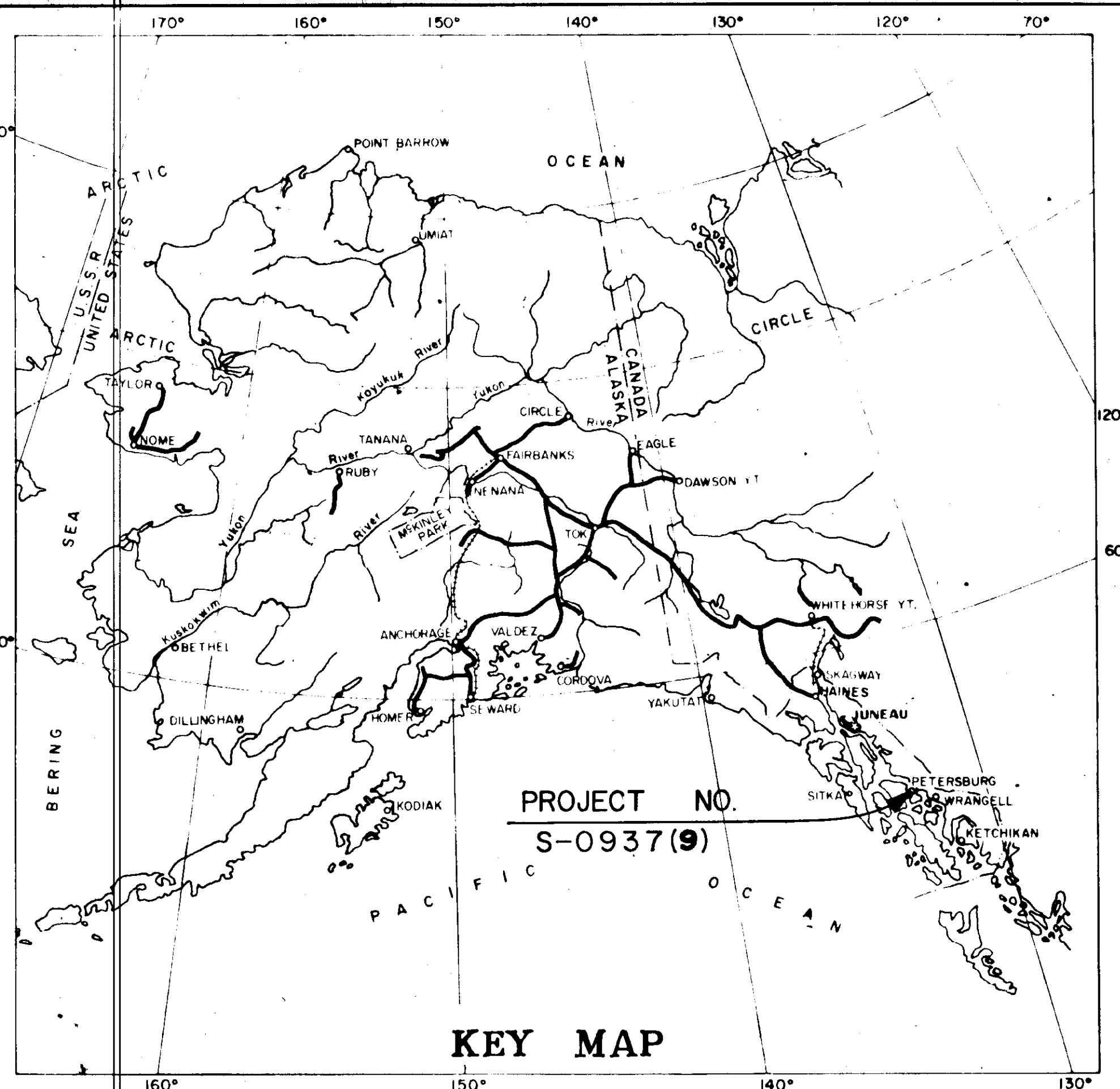




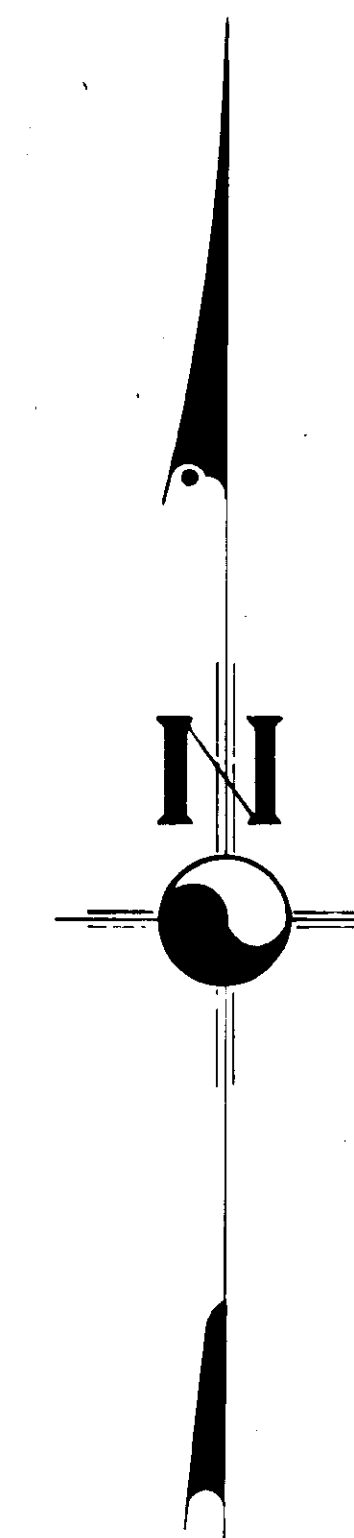
KEY MAP

STATE OF ALASKA DEPARTMENT OF HIGHWAYS

PLAN AND PROFILE PROPOSED HIGHWAY PROJECT

S-0937(9)

MITKOF HIGHWAY PETERSBURG SOUTH FERRY TERMINAL TO MILE 9.20 GRADING, DRAINAGE & ROADSIDE BEAUTIFICATION



STATE	ROUTE DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	S-0937(9)		1	97

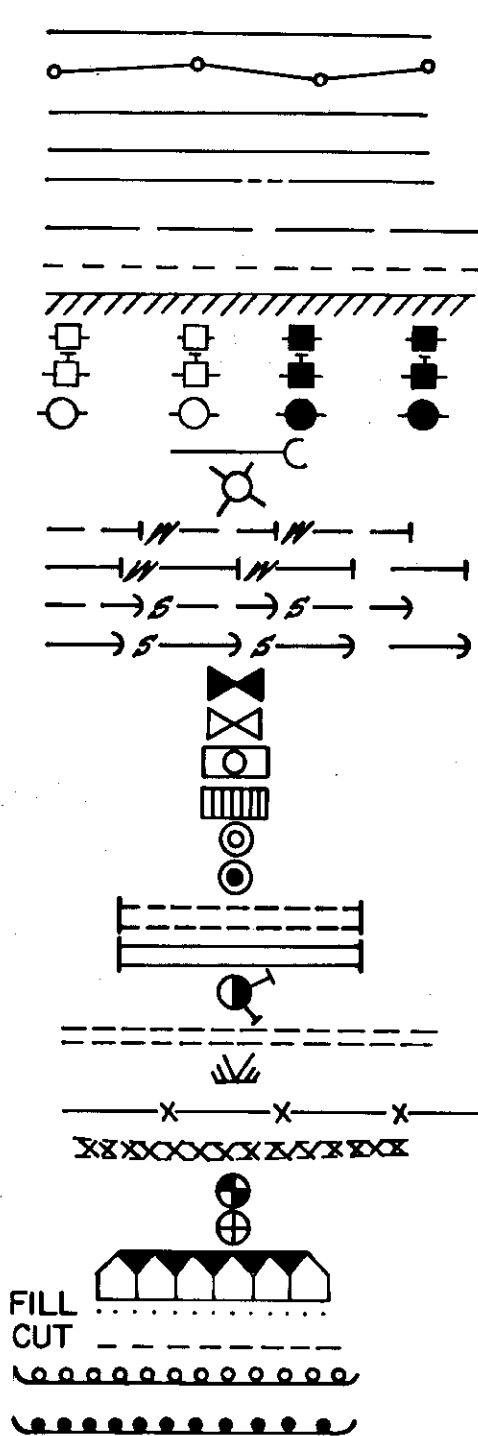
INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	Title Sheet
2	Typical Section of Improvements
3	Estimate of Quantities
4-7	Culvert Summary
8	Summary Tables
9	Material Site Locations
10-34	Plan & Profile Sheets
35	Approach Road Details
36	Intersection Plan
37-38	Miscellaneous Details
39	Drainage Details
40	Water Service Details
41-44	Crib Well Details
45-46	Standard Signs
47-49	Summary of Monuments & Closures
50-51	Estimate of Quantities Utilities
52-71	Utilities Plans

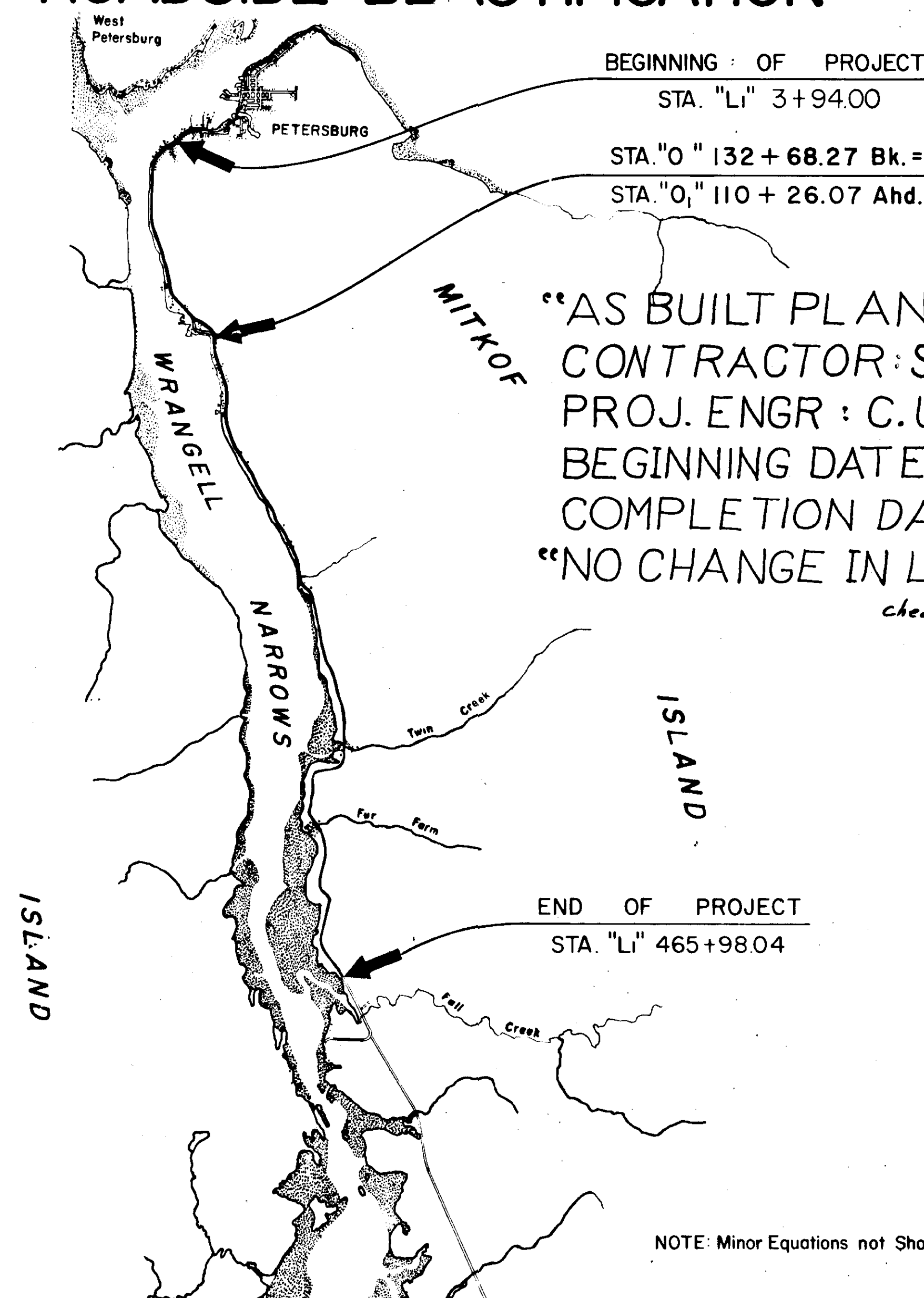
The following standard drawings apply to this project: D-1, M-1, M-3, E-1, E-4, E-8, I-1, T-6, T-19, T-15, T-16 (Sheets 1 & 2), T-22.

CONVENTIONAL SIGNS

PROPOSED CONSTRUCTION CENTERLINE
PRELIMINARY SURVEY LINE
TOWNSHIP LINE
SECTION LINE
PROPERTY LINE
RIGHT-OF-WAY LINE
EASEMENT LINE
CORPORATED OR CITY LIMITS
POWER POLE
JOINT USE POWER & TELEGRAPH
TELEPHONE OR TELEGRAPH POLE
POLE ANCHOR
LIGHT POLE
WATER LINE (EXISTING)
WATER LINE (PROPOSED)
SEWER LINE (EXISTING)
SEWER LINE (PROPOSED)
VALVE BOX (EXISTING)
VALVE BOX (PROPOSED)
CATCH BASIN
DROP INLET
MANHOLE (EXISTING)
MANHOLE (PROPOSED)
CULVERT (EXISTING)
CULVERT (PROPOSED)
FIRE HYDRANT
TRAVELED WAY
SWAMP
FENCE
OBLITERATE ROADWAY
LAND MONUMENT
RIGHT-OF-WAY MONUMENT
RIPRAP
SLOPE LIMITS
GUARDRAIL (EXISTING)
GUARDRAIL (PROPOSED)



KUPREANOF



"AS BUILT PLANS"
CONTRACTOR: S.S. MULLEN, INC.
PROJ. ENGR: C.U. DREW
BEGINNING DATE: NOVEMBER 9, 1968
COMPLETION DATE: OCTOBER 14, 1970
"NO CHANGE IN LENGTH"

checked by - E. W. Wether

PROJECT SUMMARY

STA. "Li" 3+94.00 to STA. "O" 126+39.15
WIDTH of SUBGRADE = 34'
LENGTH of GRADING = 12,252.75 = 2.321 Mi.
STA. "O" 126+39.15 to STA. "Li" 465+98.04 E.O.P.
WIDTH of SUBGRADE = 28'
LENGTH of GRADING = 36,040.49 = 6.826 Mi.
LENGTH of PROJECT = 48,293.24 = 9.147 Mi.

DESIGN DESIGNATION

STA. "Li" 1+00.00 to STA. "O" 124+50.00
STA. "O" 124+50.00 to E.O.P.
ADT (1967) = 255
ADT (1987) = 540
DHV = 81
D = 65 %
T = 10 %
V = 50 M.P.H.
ADT (1967) = 550
ADT (1987) = 975
DHV = 146
D = 65 %
T = 10 %
V = 35 M.P.H.

STATE OF ALASKA
DEPARTMENT OF HIGHWAYS

APPROVED
COMMISSIONER OF HIGHWAYS
Date July 13, 1968

NOTE: Minor Equations not Shown

TABLE OF FILL SLOPES

Fill Height	Slope
0-5	4:1
5-10	2:1
Over 10	1 1/2:1

TABLE OF CUT SLOPES

Station	Slope
3+94.00	
to	2:1
22+00	
to	1 1/2:1
84+00	
to	2:1
116+00	
to	1 1/2:1
117+50	
to	2:1
125+39.14	
to	1 1/2:1
465+98.04	

SELECTED MATERIAL DEPTH

Station		Min. Depth
From	To	
2" 3+94.00	2" 184+00	18"
2" 184+00	2" 202+00	12"
2" 202+00	2" 233+00	18"
2" 233+00	2" 268+00	12"
2" 268+00	2" 283+00	0"
2" 283+00	2" 296+00	18"
2" 296+00	2" 303+26	12"
2" 303+26	2" 317+00	18"
2" 317+00	2" 333+75	12"
2" 333+75	E.O.P.	18"

* Except through areas of peat removal.
See sheet no. 37.

TYPICAL SECTION OF IMPROVEMENT
STA. "L" 3+94.00 TO STA. "O" 126+39.15

NOTES

1. Transition from "O" 126+39.15 to "O" 127+89.17 see detail on sheet no. 30.
2. For peat removal details see sheet no. 37.
3. Minor grading may be necessary to facilitate drainage.

General Notes:

1. Culvert lengths and locations are approximate only and are subject to minor revisions.
2. Grades and alignment shown on these plans are subject to minor revisions.
3. Miscellaneous Right-of-Way encroachments located within the construction limits at the time of construction, such as fences, stairs, small frame buildings, log retaining walls, and abandoned foundations shall be removed by the contractor. A list of small frame buildings appears on sheet no. 37. Such work shall be paid for under Item 202 (1), Removal of Structures and Obstructions.
4. The contractor shall be responsible for the construction and maintenance of all haul roads used on this project, and shall not receive any direct payment for this work.
5. Clearing limits shall be a neat orderly line approximately 10' beyond the cut slope stake and 5' beyond the fill slope stake or the R/W line, whichever is nearest to Q.
6. Elevations of existing water and sewer lines shown on the plans are approximate only.
7. Excavation and disposal of material for key of riprap shall be considered incidental to Item No. 611 (1).
8. The removal of existing bridges shall be paid for under Item No. 202 (1), Removal of Structures and Obstructions.
9. All approaches shall be constructed with 25 ft. radius unless otherwise noted.
10. All buildings shown on the plans within the Right-of-Way will be removed by others prior to the start of this contract. Except as noted in General Note No. 3 above.
11. The Contractor shall be responsible for obtaining waste disposal areas. They are to be located outside of the Right-of-Way and in locations approved by the Engineer.
12. At the option of the contractor corrugated aluminum pipe or corrugated metal pipe may be furnished for pay items 603 (26) and 603 (30).

TYPICAL SECTION OF IMPROVEMENT
STA. "O" 127+89.17 TO STA. "L" 465+98.04

STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	S-0937 (9)	1968	3	97

ITEM NO.	ITEM	UNIT	SHEET NUMBERS																		Rd. Way Totals	Code Y005	Code Y021	Grand Totals All Req'd.								
			10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27					28	29	30	31	32	33	34	
1	Furnishing & Maintaining Engineering Facilities	L. S.																														
110 (1)	Mobilization	L. S.																														
201(3)	Clearing & Grubbing	Acre						1.33	1.99	1.46	1.52	1.53	1.80	2.07	1.33	1.00	1.61	2.95	4.01	3.22	4.07	3.83	4.08	5.07	3.45	2.19	2.86	1.84		53.21		53.21
201(7)	Selective Tree Removal	Ea.																											155		155	
202(1)	Removal of Structures & Obstructions	L. S.																											All Req'd		All Req'd	
202(4)	Removal and Disposal of Culvert Pipe	L. F.	43	180	162	110	238	94		193	90	76	114	90	190	141	126	385	489	598	685	759	493	251	387	411	408	121		6834		6834
203(3)	Unclassified Excavation	Cu. Yd.										114,320					37,615		37,977	29,569	42,591						110,740		372,812		372,812	
203(5)	Borrow	Ton										255,985					13,388		15,425	8,701	9,994						105,026		408,519		408,519	
205(1)	Overhaul	C. Y. M.										0					5,060		6,199	3,324	1,471						0		16,054		16,054	
206(1)	Structure Excavation	C. Y.	54	408	387	87	96	49		348	111	325	266	297	177	336	245	500	355	213	704	656	464	717	424	151	457	136		7963		7963
207(1)	Class I Excavation for Structures	C. Y.									356										189								545		545	
307(1)	Subbase Grading A	Ton										21,085					4,369		5,102		3,919	3,489					13,970		51,935		51,935	
603(26A)	8" Pipe Conduit	L. F.									308		54	80		140	124				145				80				1043		1043	
603(26C)	12" Pipe Conduit	L. F.												64											60				124		124	
603(26E)	18" Pipe Conduit	L. F.	126	246	194	120	94			218			80	80	46	184	46				46		92	46	46				1664		1664	
603(26G)	24" Pipe Conduit	L. F.			196	124	116		112	122	66	118	188		220	118	120	246	344	314	324	690	238	246	292	226	254	130		4,804		4,804
603(26H)	30" Pipe Conduit	L. F.								74	68					54	224				124								678		678	
603(26I)	36" Pipe Conduit	L. F.												80		68	68				124	58			50				448		448	
603(26J)	42" Pipe Conduit	L. F.										80	88	104					78						72				422		422	
603(30F)	43"x27" Pipe Arch Conduit	L. F.															56												56		56	
603(30H)	58"x36" Pipe Arch Conduit	L. F.															62	68	58			56					80		324		324	
603(30I)	65"x40" Pipe Arch Conduit	L. F.													54														54		54	
603(30J)	72"x44" Pipe Arch Conduit	L. F.			82																144								226		226	
605(18)	8" Perforated Pipe Underdrain	L. F.									120										60								180		180	
604(5)	Adjust Manholes	Ea.	1	2	1																								4		4	
606(2)	Beam Type Guardrail Type II Posts	L. F.					58	492	539	36					847.5	190		200					274	1201					3837.5		3837.5	
605(20)	Porous Backfill Material, Pipe Underdrains	C. Y.									15										8								23		23	
610(1D)	78 " Structural Plate Pipe 12 Gauge	L. F.																					94						94		94	
610(1G)	96 " Structural Plate Pipe 12 Gauge	L. F.																					84						84		84	
610(1I)	108 " Structural Plate Pipe 12 Gauge	L. F.																						110					110		110	
611(1)	Riprap Class II	C. Y.			147	340	1004	1002	82												90		137	138	87					3027		3027
613(2)	Culvert Marker Posts	Ea.		2	6	4	4	4	6	4	6		8	4	10	8	6	18	16	14	22	22	10	12	12	8	14	4		224		224
		Ea.																														
614(1)	Survey Monuments	Ea.	1	3	2	2	5	4	3	3	3		3	3	5	3	3	6	6	6	8	5	6	4	6	8	5	2		105		105
614(2)	Monument Cases	Ea.	1	3	2	2	5	4	3	3	3		3	4	5	3	3	6	6	6	8	5	6	4	6	8	5	2		106		106
615(1)	Standard Signs	Ea.			4	1	3				3	4	6	5	4				1	2	3			2	6	2	2			48		48
640(1)	6" Asbestos Cement Water Conduit, Standard Weight	L. F.			390																									390		390
640(32d)	1 1/2" Steel Water Conduit, Standard Weight	L. F.												270																270		270
603(32h)	3 1/2" Steel Water Conduit, Standard Weight	L. F.															135													135		135
640(9)	Water Service Connections	Ea.			7																									7		7
640(12)	Relocate Curb Stop & Service Box	Ea.	5	9	8																									22		22
644(2)	Metal Retaining Wall Type B	Sq. Ft.									1760										800									2,560		2,560
645(3)	Adjust or Relocate Sewer Laterals	Each	3	4	1																									8		8

NE 100-41537-01

SUMMARY

Station	202(14)		206(11)		603 (26A)		603 (26B)		603 (26C)		603 (26D)		603 (26E)		603 (26F)		603 (26G)		603 (30A)		603 (30B)		603 (30C)		603 (30D)		605 (1B)		610 (1A)		610 (1B)		610 (1C)		613 (2)		Remarks
	Removed and Disposed of Culvert Pipe	Structure Excavation	8" Pipe Conduit	12" Pipe Conduit	18" Pipe Conduit	24" Pipe Conduit	30" Pipe Conduit	36" Pipe Conduit	42" Pipe Conduit	48" x 27" Pipe Arch Conduit	58" x 36" Pipe Arch Conduit	65" x 40" Pipe Arch Conduit	72" x 44" Pipe Arch Conduit	8" Pref. Pipe Underdrain	28" Structural Plate Pipe	36" Structural Plate Pipe	108" Structural Plate Pipe	Culvert Marker Posts	Height of Cover																		
	L.F.	C.V.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	
EQUATION	"10" 132	68.87	P.O.T.	BK. =																																	
	"10" 110	26.07	P.O.T.	APR																																	
	81	35																																			
	7" 111	81																																			
	28	41																																			
	0" 114	35																																			
	0" 116	20																																			
	31	41																																			
	24	25																																			
	7" 118	21																																			
	39	84																																			
	2" 123	57																																			
	42	56																																			
	"125	38																																			
	"125	52																																			
	"129	42																																			
	"130	35																																			
	"130	07																																			
	"131	20																																			
	"134	65																																			
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	"135	20																																			

[illegible]

RELIFE DESIGN

STANDARD APPROACHES

Station	L/R	Type
"L" 2+95 **	L	1
"L" 3+64	R	2
"L" 3+78	L	2
"L" 4+00	L	2
"L" 5+40	L	2
"L" 7+65	L	2
"L" 8+12	R	1
"L" 8+38	L	2
"L" 8+60	R	1
"L" 8+93	R	1
"L" 9+40	L	2
"L" 10+03	R	2
"L" 10+20	L	2
"L" 10+29	R	2
"L" 10+64	L	2
"L" 11+25	L	2
"L" 11+25	R	2
"L" 12+55	L	2
"L" 14+35	L	2
"L" 14+35	R	2
"L" 14+85 92	L	2
"L" 15+45	R	2
"L" 15+00 15+60	L	2
"L" 16+85	L	2
"L" 17+35	L	2
"L" 17+90	R	2
"L" 18+41	R	2
"L" 19+85	L	2
"L" 22+04	L	2
"L" 22+72	L	2
"L" 53+86	R	2
"L" 59+85 86	L	2
"L" 60+30	R	2
"L" 61+40 *	L	2
"L" 62+40 *	L	2
"L" 63+75	L	2
"L" 64+83	R	2
"L" 65+88 66+00	L	2
"L" 66+83 *	R	2
"L" 66+55	L	2
"L" 68+83 *	R	2
"L" 70+42	R	2

* 20' Wide
** 90' Wide

Station	L/R	Type
"L" 84+70	R	2
"L" 85+50	R	2
"L" 86+07	R	2
"L" 87+25	R	2
"L" 89+72	R	2
"L" 91+90	R	2
"L" 94+32 *	R	2
"L" 97+65	R	2
"L" 99+00 98+65	R	2
"L" 102+36	L	2
"L" 103+12	L	2
"L" 104+83 *	R	2
"L" 107+00	L	2
"L" 119+75	L	2
"L" 126+05	L	2
"L" 129+00 128+15	L	2
"L" 112+50 *	R	2
"L" 123+40 57	L	2
"L" 125+38 38	L	2
"L" 126+50	R	2
"L" 130+58 07	L	2
"L" 133+42 135+00	R	2
"L" 140+03	R	2
"L" 148+75	R	2
"L" 150+35	R	2
"L" 236+00	R	2
"L" 237+48 20	L	2
"L" 239+50	R	2
"L" 240+90	R	2
"L" 241+78 69	L	2
"L" 319+00 318+79	L	2
"L" 321+10	R	2
"L" 323+25	R	2
"L" 324+75	R	2
"L" 327+00 328+10	L	2
"L" 332+00 333+10	R	2
"L" 334+50 333+20	L	2
"L" 334+50	L	2
"L" 335+30	R	2
"L" 336+70	R	2
"L" 131+20	L	2
"L" 132+10	R	2

SUMMARY TABLES

WATER SERVICE CONNECTION

Station	Relocate *	Water Serv. Connection	Abandon Curb Stop
"L" 2+95 12+78	17' 2"	Lt.	
"L" 3+78 71	19' 8"		
"L" 4+12 513+66	17' 2"	Lt.	
"L" 9+40 20	15' 4"		
"L" 11+50	24' 8"		
"L" 6+75 65	22' 2"		
"L" 6+90			9' 8"
"L" 7+18 22	30' 4"		
"L" 7+94 90	21' 8"		
"L" 8+25	15' 4"		
"L" 9+55 60	5' 8"		
"L" 9+83 90	12' 4"		
"L" 10+35	12' 4"		
"L" 10+35 45	26' 8"		
"L" 10+40 13+68	10' 4"	Lt.	
"L" 11+03 13+70	15' 4"	Lt.	
"L" 11+03 05	23' 8"		
"L" 11+53 54	13' 4"		
"L" 12+88 00	24' 8"		
"L" 12+83 25	25' 8"		
"L" 12+26	2 Rt.	8' 8"	
"L" 12+28			11' 4"
"L" 14+24 28		8' 4"	
"L" 14+55 58		12' 4"	
"L" 14+75 71		14' 4"	
"L" 14+99 78	23' 4"	18' 4"	
"L" 15+12 54	26' 4"	24' 4"	
"L" 15+100	37' 4"	37' 4"	
"L" 15+00 19+60	28' 4"	Lt.	

* Curb stops and service boxes.

Notes: 1. Abandoned Curb Stops shall be left in place.
2. Curb Stops shall be relocated or installed a minimum distance of 30 feet from center line.
3. Location of underground utilities are approximate only.

RIPRAP CULVERT PROTECTION

Station	Control Elev. *	Cu Yds. Class 2 Riprap	Inlet	Outlet
"L" 242+35	34.8	28.0	36.0	
"L" 265+35	32.2	26.0		
"L" 323+10	40.9	39.0	45.0	
"L" 330+25	29.6	52.0		
"L" 385+82	56.0	47.0	40.0	
Deleted				

* Control Elevation is the Minimum Elevation at the Top of Riprap Inlet End.

Station	to Station	Cu. Yds.
245+25	245+75	104.1
68+50		189.4

RIPRAP SLOPE PROTECTION

Station	From	To	Cu. Yds. Class 2 Riprap
"L" 15+70 Rt	"L" 17+00 Rt	147	
"L" 20+50 Rt	"L" 31+70 Rt	1344	
"L" 44+70 Rt	"L" 53+65 Rt	1054	
"L" 329+50 Rt	"L" 330+80 Rt	139	
Deleted			

PARKING AREAS

See Detail on Sheet No. 38

Station	L/R	Type
"L" 4+58 85	R	A
"L" 6+65	L	A
"L" 7+35	R	A
"L" 12+45	R	A
"L" 80+30	R	A
"L" 103+60	R	A
"L" 117+00	R	A
"L" 120+75	L	A
"L" 121+75	R	A
"L" 123+30	R	A
"L" 124+30	R	A
"L" 128+65	R	A

Station	L/R	Type
"L" 136+80	R	A
"L" 140+70	R	B
"L" 160+20	L	A
"L" 164+50	L	A
"L" 171+05	R	A
"L" 209+00	L	A
"L" 244+00	R	A
"L" 245+50	R	A
"L" 252+35	R	A
"L" 265+70	R	A
"L" 290+60	R	A
"L" 317+00	R	A
"L" 126+40	R	B
201+50	R	B

GUARDRAIL

From Station	To Station	Lin. Ft.	Station	L.F.
"L" 22+42 Rt	"L" 27+92 Rt	550'		
"L" 47+65 Rt	"L" 53+36 Rt	575'		
"L" 120+00 Lt	"L" 122+43 Lt	250'	121~ to 122+75	175
"L" 121+50 Rt	"L" 129+58 Rt	207' 5"	120+50 to 129+43	887.5
"L" 157+03 Rt	"L" 159+00 Rt	200'		
"L" 322+50 Rt	"L" 323+50 Rt	100'	322+125 to 323+125	100
"L" 328+83 Rt	"L" 330+33 Rt	250'	329~ to 330+50	150
"L" 329+33 Lt	"L" 330+33 Lt	100'	329+50 to 332	250
"L" 331+30 Rt	"L" 331+30 Rt	100'	Deleted	
"L" 341+50 Lt	"L" 344+41 Lt	300'	341+50 to 344+09	250
"L" 348+00 Rt	"L" 355+00 Rt	282.5'	349+75 to 355+63	600

ADJUST MANHOLES

Station	Location	Prop. Elev.
"L" 4+58	5' 8"	26'
"L" 6+75	5' 8"	27'
"L" 7+60	7' 8"	26'
"L" 11+90	17' 8"	25'

ADJUST SEWER LATERALS

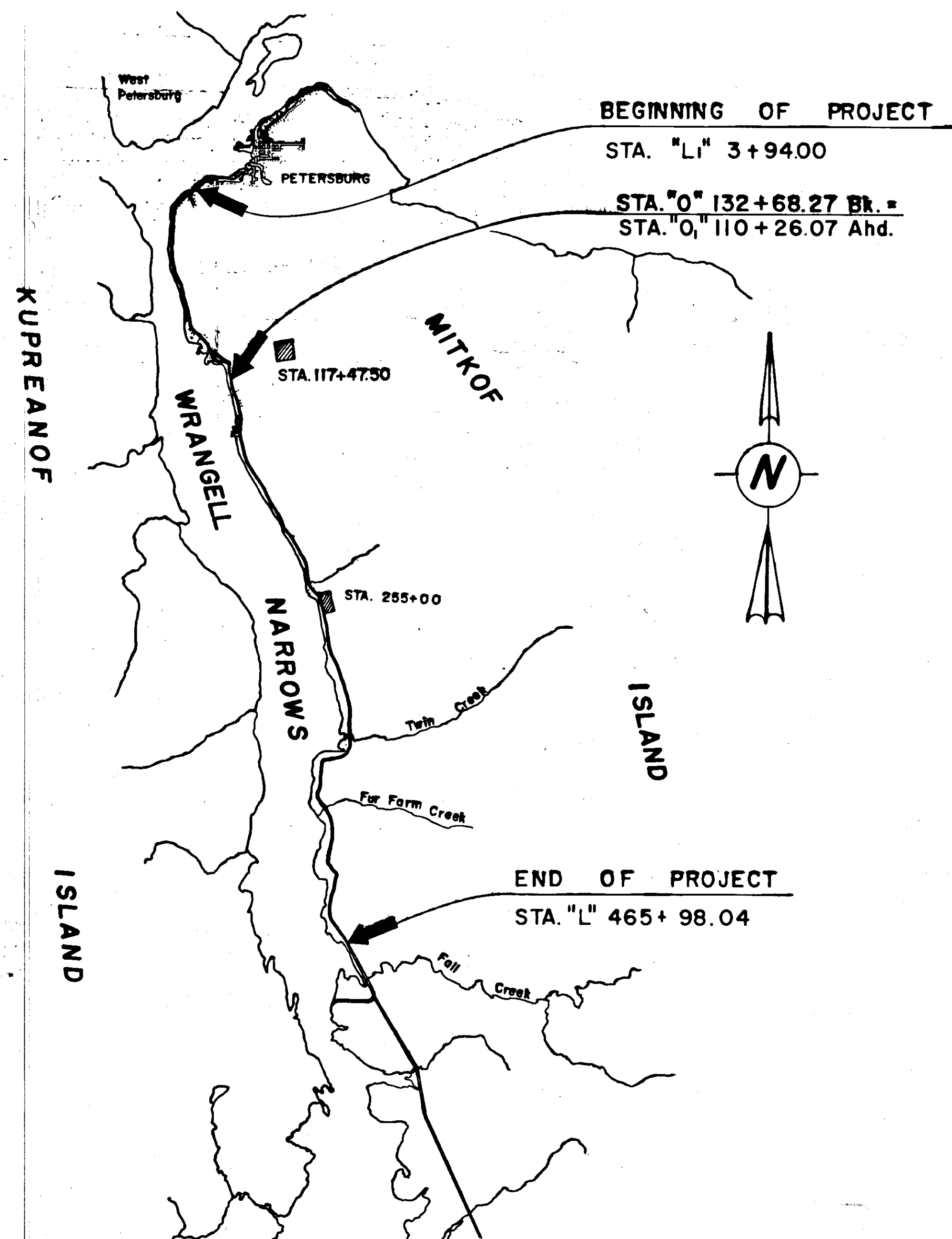
Station	L/R	Station	L/R
"L" 4+15 20	Rt.	9+60	Lt.
"L" 4+24 55	Lt.	11+90	Lt.
"L" 4+98 6+65	Lt.		
"L" 7+20 22	Lt.		
"L" 8+14 25	Lt.		
"L" 10+18 20	Lt.		
"L" 10+50	Lt.		
"L" 11+42	Lt.		

BIN TYPE RETAINING WALL

Sta. To Sta.	Wall Height	Length	Type
"L" 66+29 to "L" 67+49	14.67'	120'	B
"L" 240+95 to "L" 241+55	13.93'	60'	B

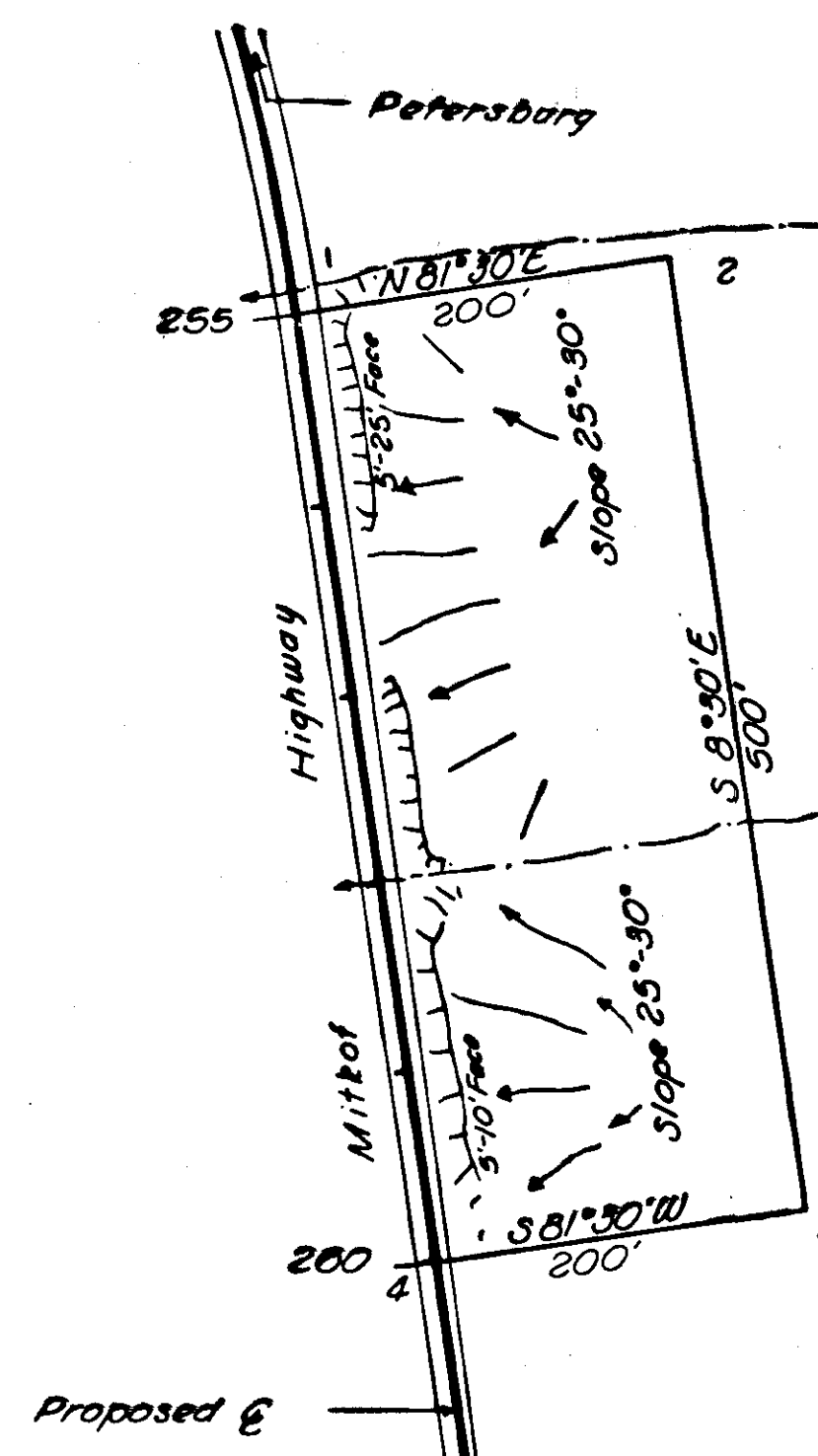
STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	S-0937(9)	1' 58	9	97

MATERIALS SITE LOCATIONS
DESIGNATED SOURCES

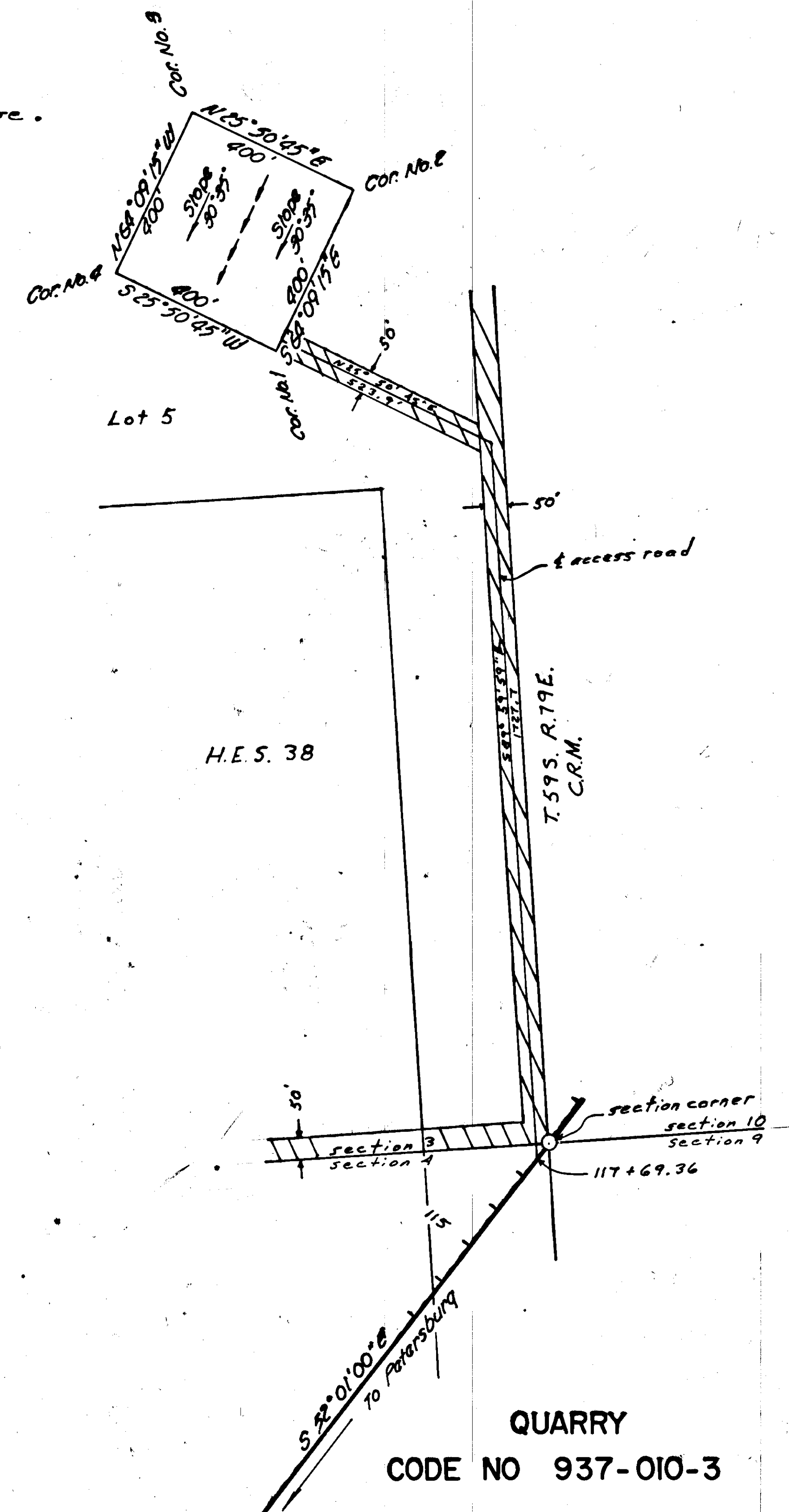


*This site suitable
for borrow, select
material and subbase.*

*This site suitable for borrow only,
excluding select material & subbase.*



STA. 255+00 QUARRY
CODE NO. 937-008-3



10

QUARRY

CODE NO 937-010-3

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	S-0937(9)	1968	10	97

CONSTRUCTION PLAN

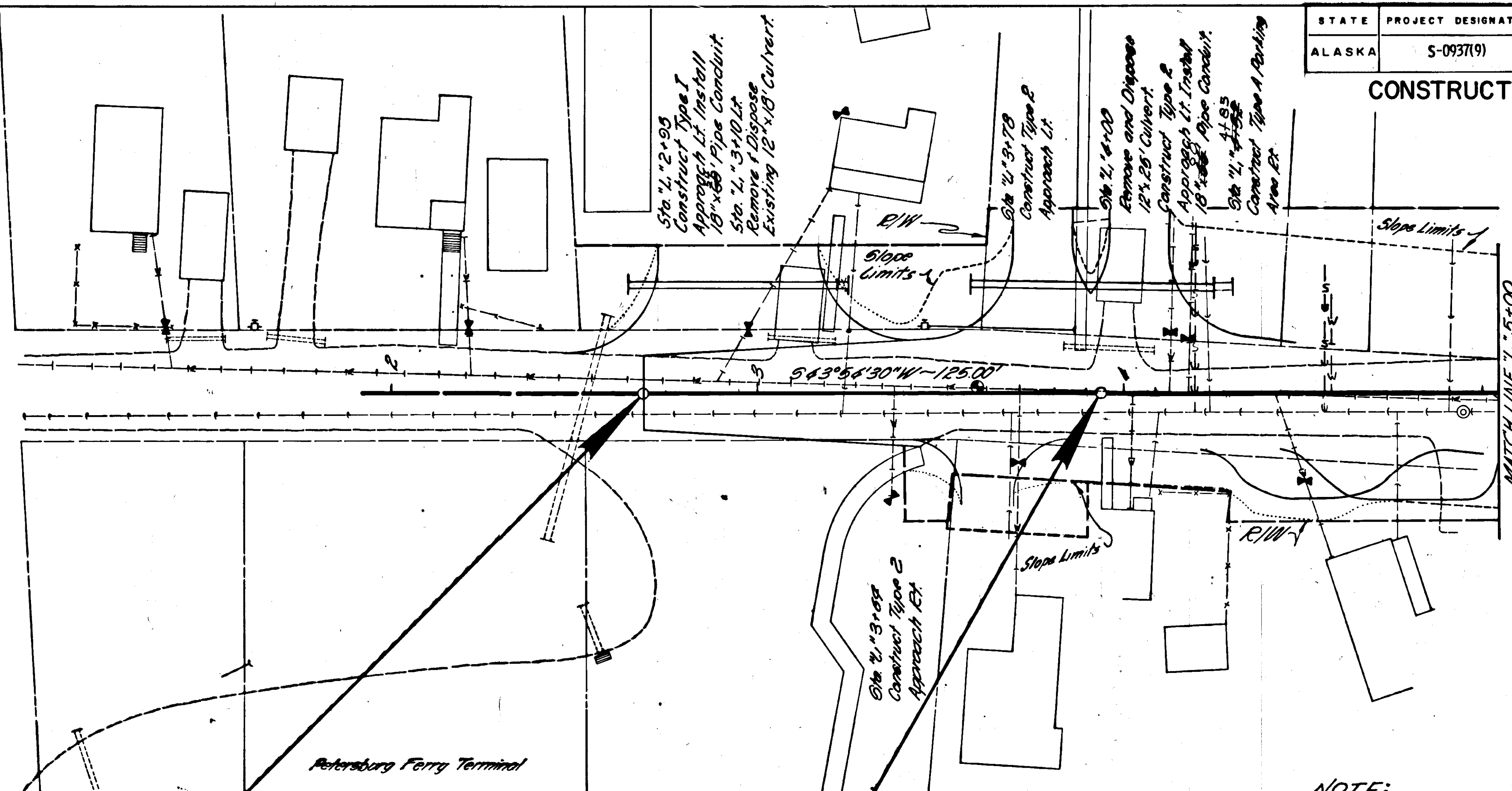
Alignment Data:

Bearings and coordinates for this project are based on the section line between sec. 3 and sec. 4, Township 59 South, Range 79 East, Copper River Base and Meridian.

Level Data:

Vertical control was taken from the following U.S.C. & G.S. Bench Mark:
 "Bench Mark 10 (1958) is a standard disk, stamped 'No. 10 1958', set in east curb of the main street about 1/2 foot above street level. It is 12 feet west of main entrance to Petersburg Bank and 12 feet south of a yellow painted fire plug."
 U.S.C. & G.S. elevation 24.12 equals Dept. of Highways elevation 23.83 feet above mean lower low water.

Embankment Equation:

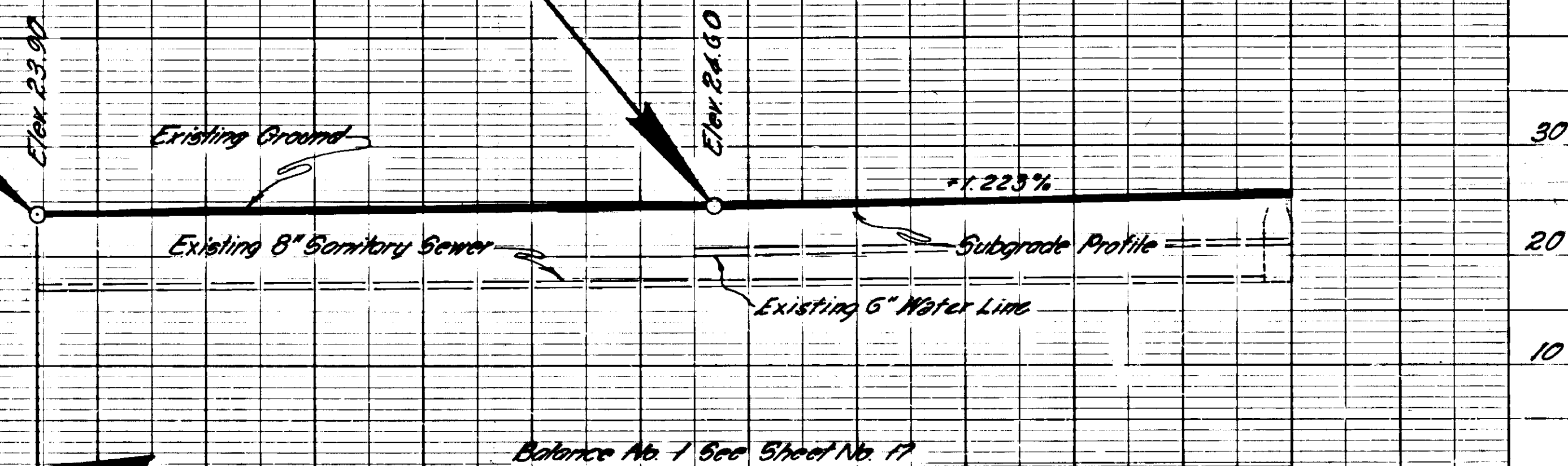
$$\text{Embankment} = [(\text{Excavation} - \text{Waste})(\text{Grading factor})] + L(\text{Borrow})(\text{Grading factor}) + L(\text{Subbase, Grading A})(\text{Yard/Ton Factor})]$$


BEGINNING OF TEMPORARY TRANSITION
 STA. "L" 2 + 69.00

TBM #82 SPIKE IN POWER POLE
 60' RI. OF STA. "L" 1 + 55
 Elev. 24.25

END OF TEMPORARY TRANSITION STA. "L" 3 + 94.00
 BEGINNING OF PROJECT S-0937(9)

NOTE:
 UNDER EXTRA WORK ORDERS BE IS STAIRS, WALKS & OF DRAINS WERE CONSTRUCTED AT THE FOLLOWING LOCATIONS:
 4+00 LT.



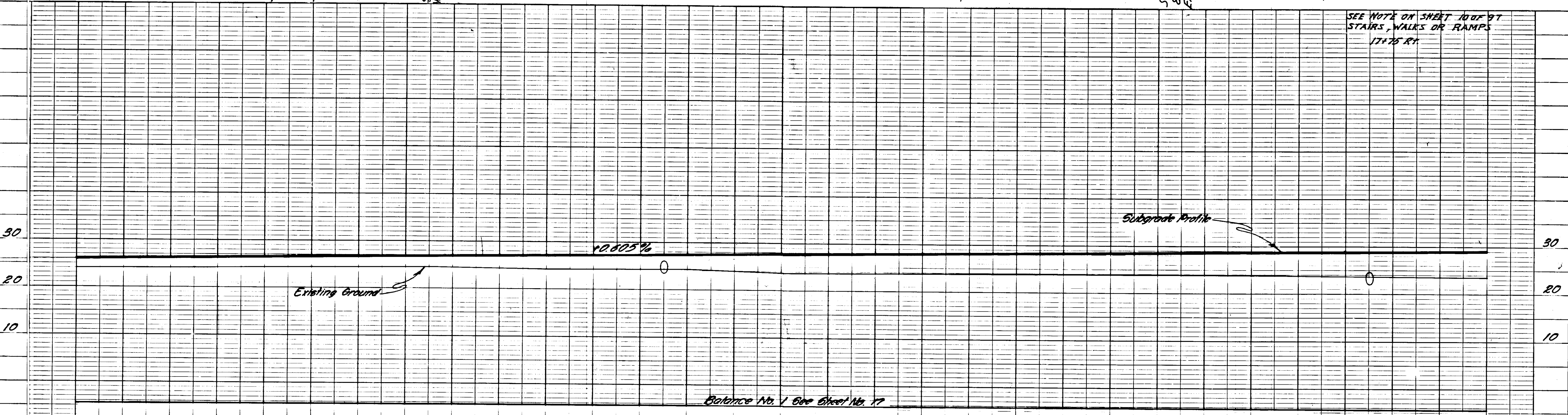
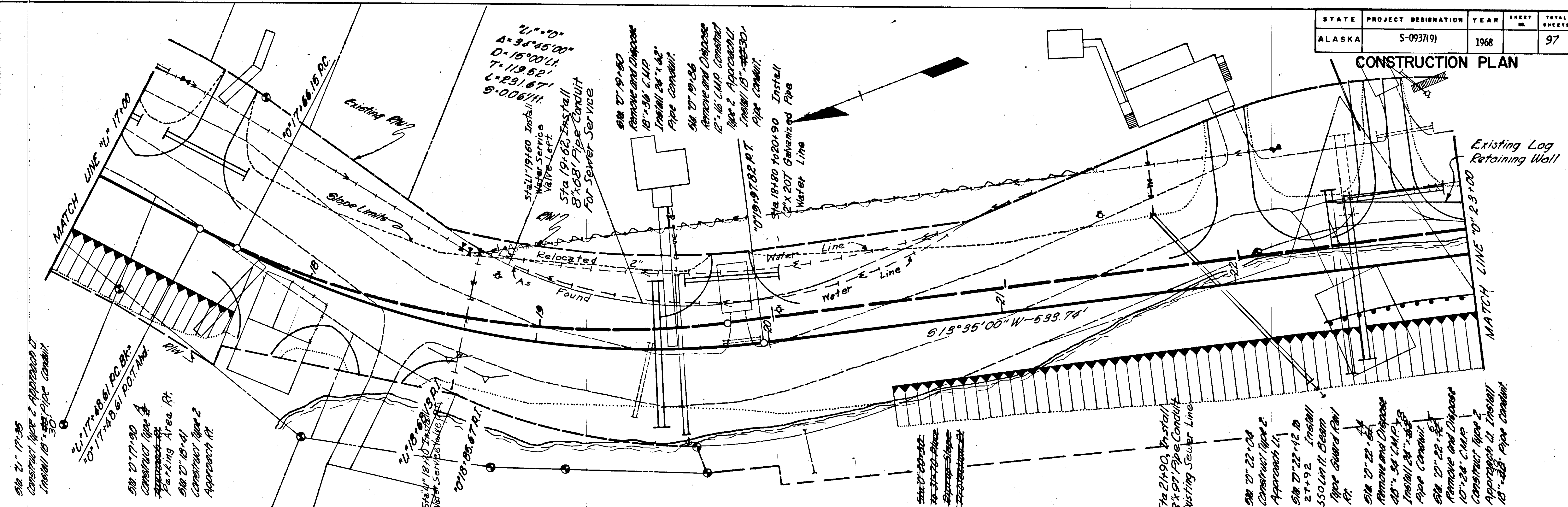
Balance No. 1 See Sheet No. 17

NO. _____
RT. OF WAY CHECKED _____

STRUCTURE NOTATION CHKD _____

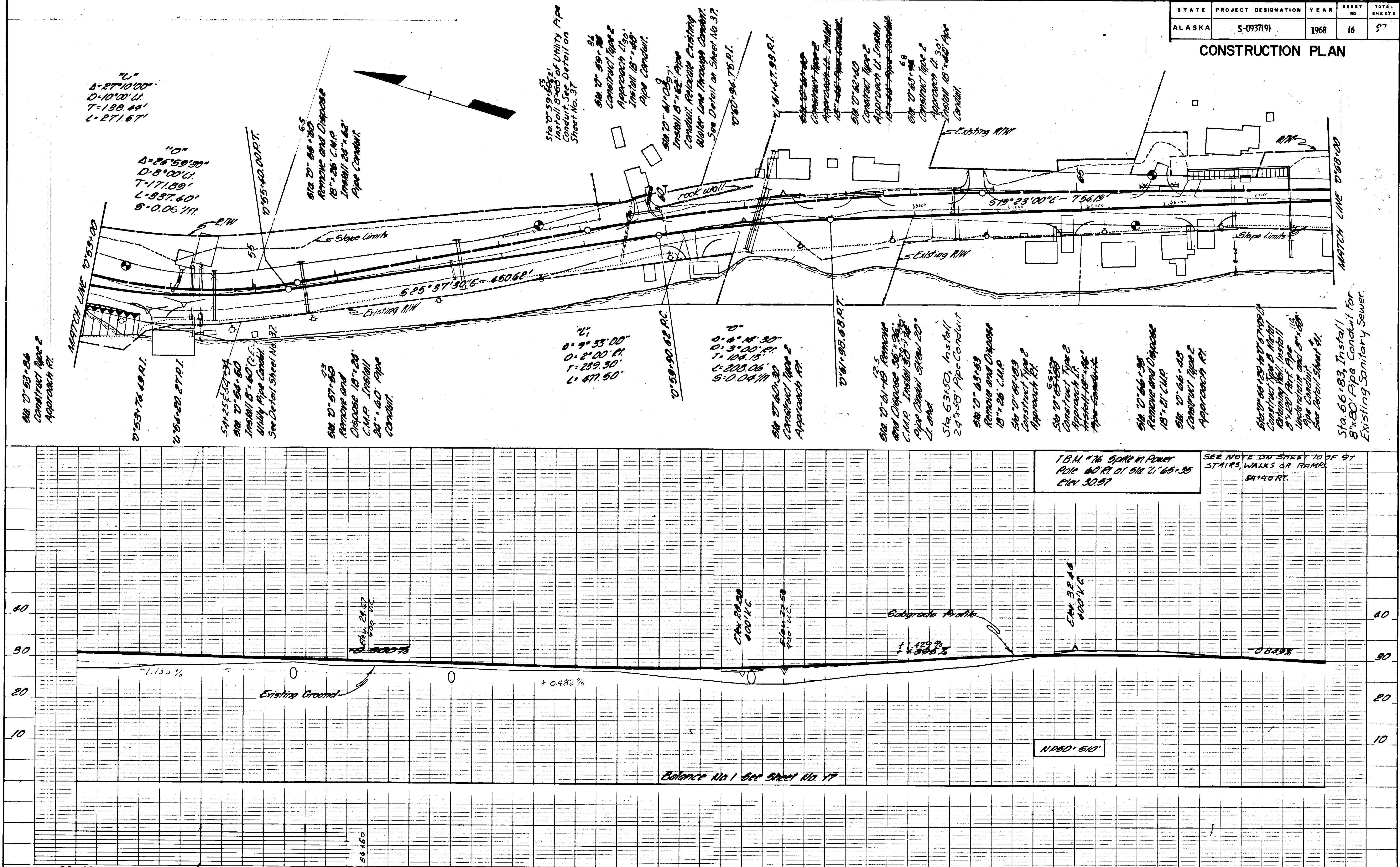
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	S-0937(9)	1968	97	97

CONSTRUCTION PLAN



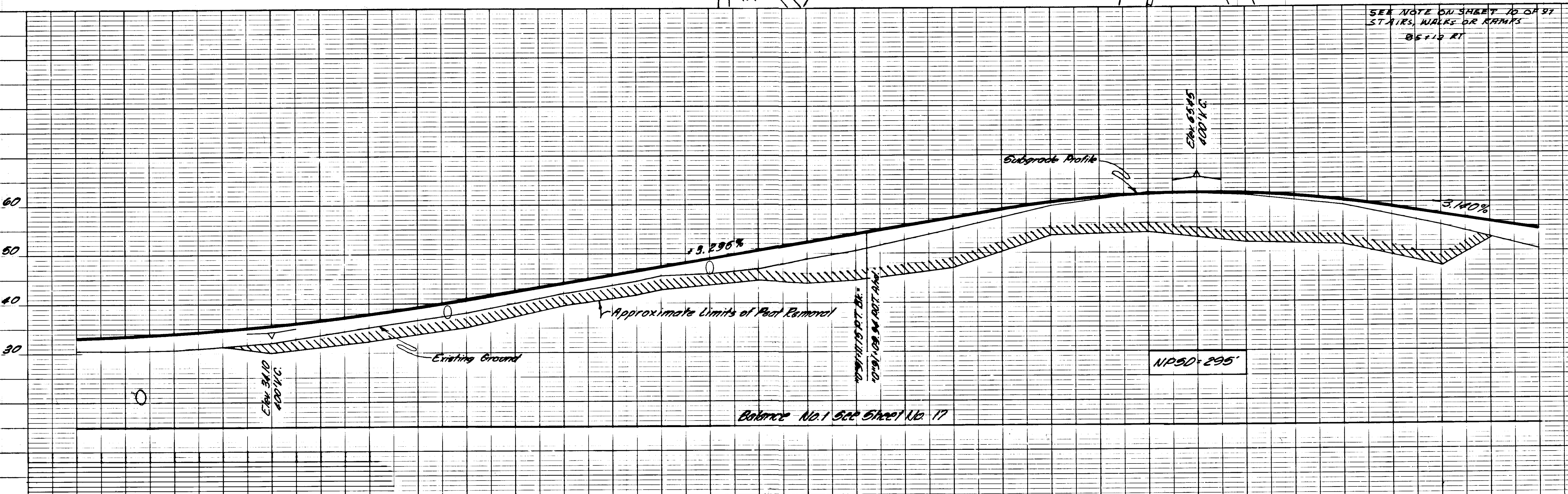
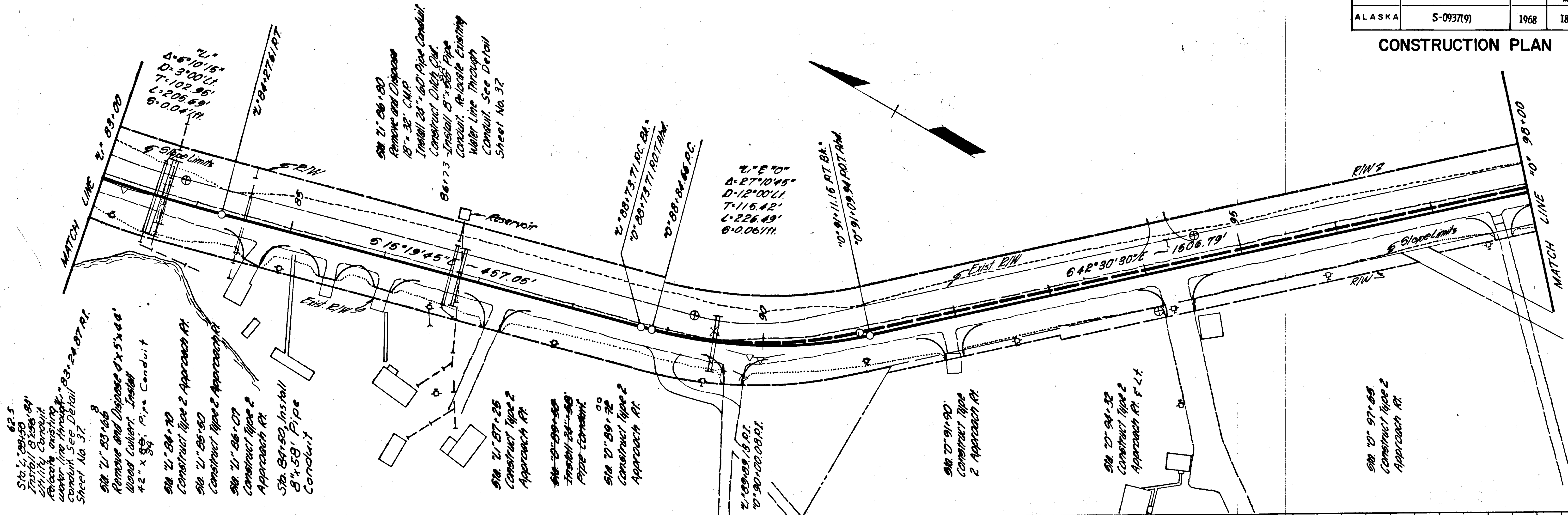
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	S-0937(9)	1968	16	97

CONSTRUCTION PLAN



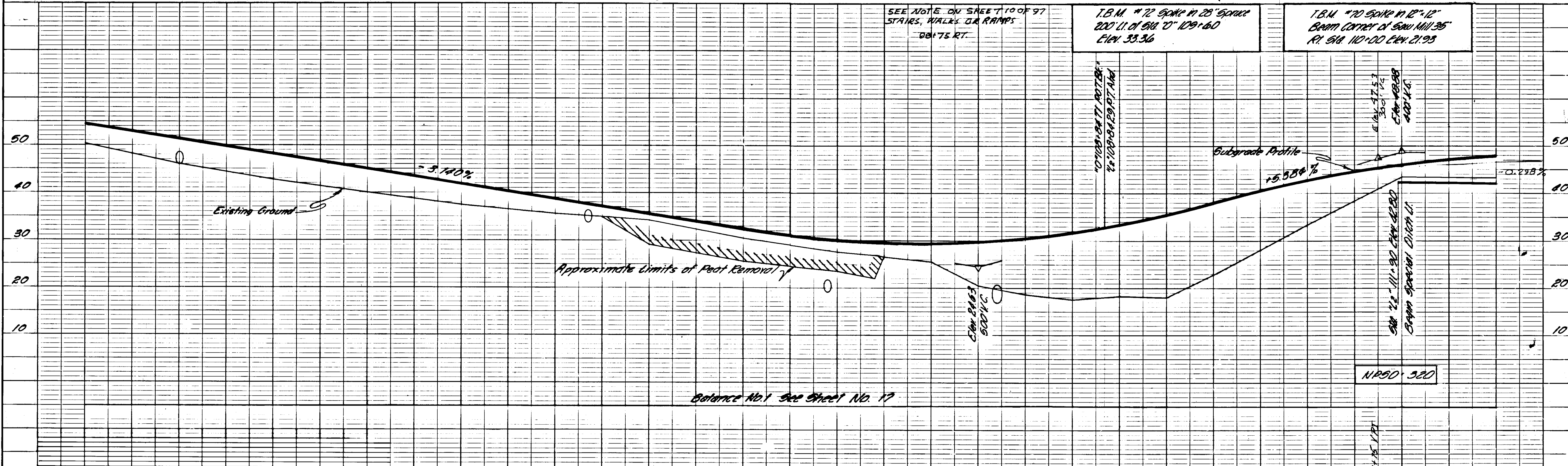
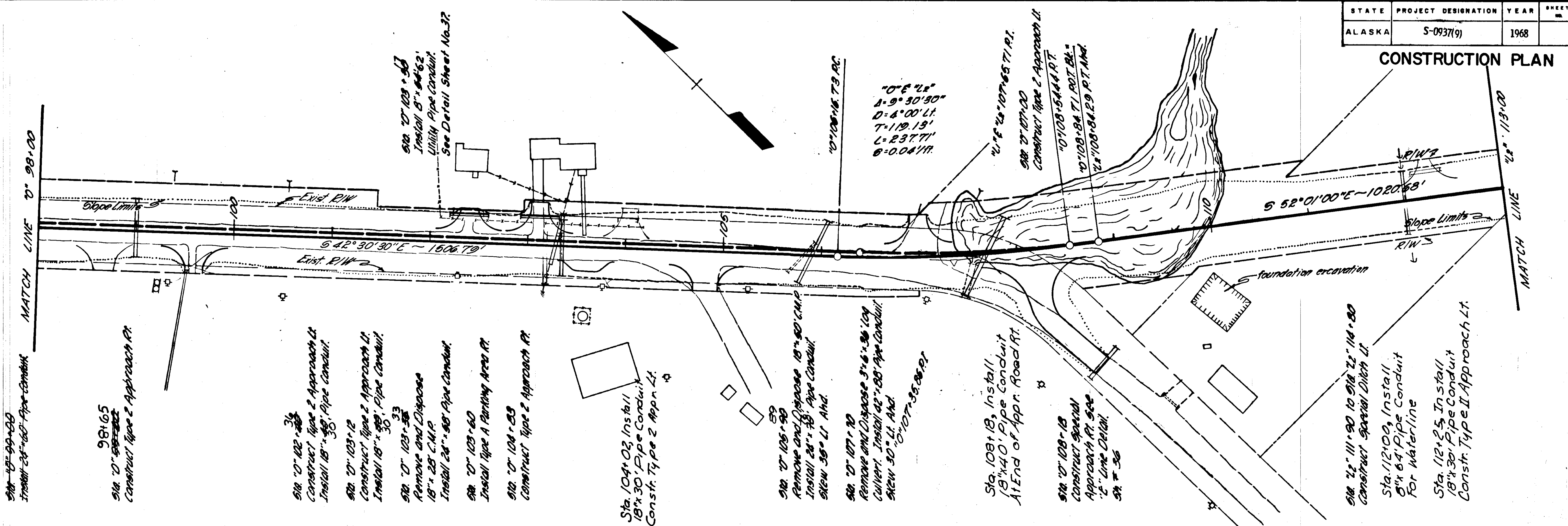
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	5-0937(9)	1968	18	97

CONSTRUCTION PLAN



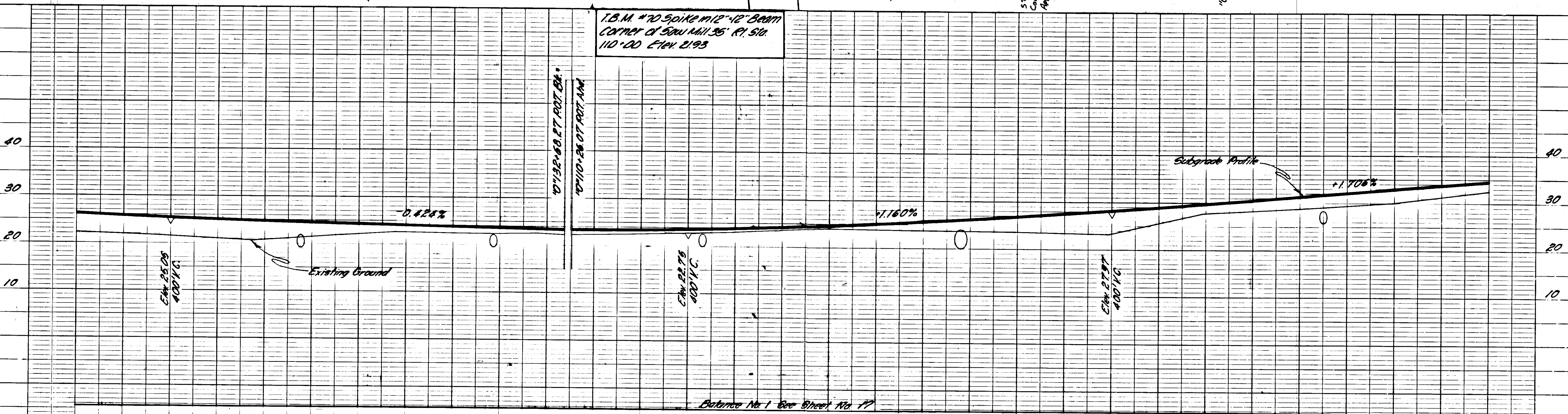
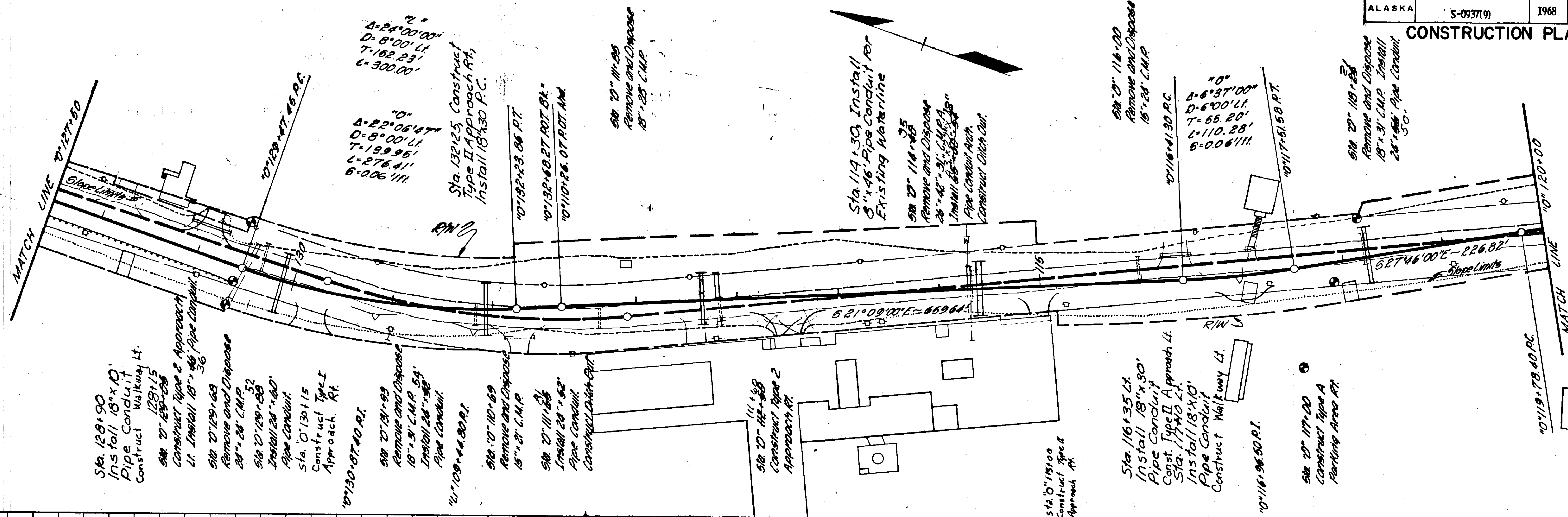
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	S-0937(9)	1968	97	97

CONSTRUCTION PLAN



STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEET.
ALASKA	S-0937(9)	1968	21	97

CONSTRUCTION PLAN



STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	S-0937(9)	196	22	97

CONSTRUCTION PLAN

Sta. 120+75
Construct Type A
Parking Area Lt.

10" 121+27.61 P.I.

12" 121+72.37 P.I.

Sta. 121+75
Construct Type A
Parking Area Rt.

Sta. 122+92, Install
8" 60' Pipe Conduit For
Existing Waterline

123+38, Install, 8" 60'
Pipe Conduit for Existing
Sewer Line

Sta. 123+57
Construct Type 2 Approach Lt.
Install 18" 46' Pipe Conduit.

Sta. 123+85, Construct
Type II Approach Right.

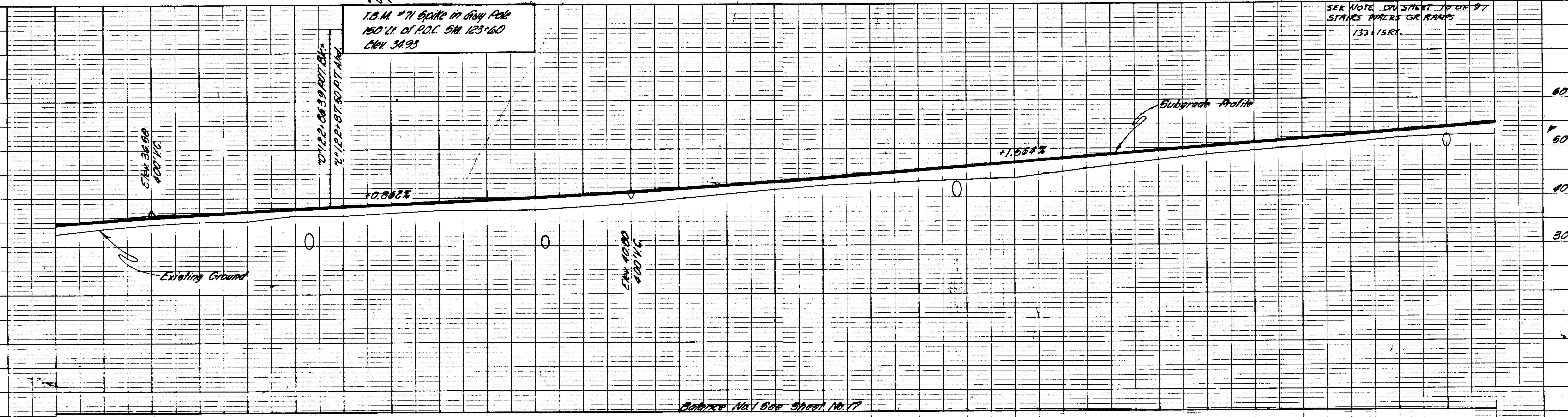
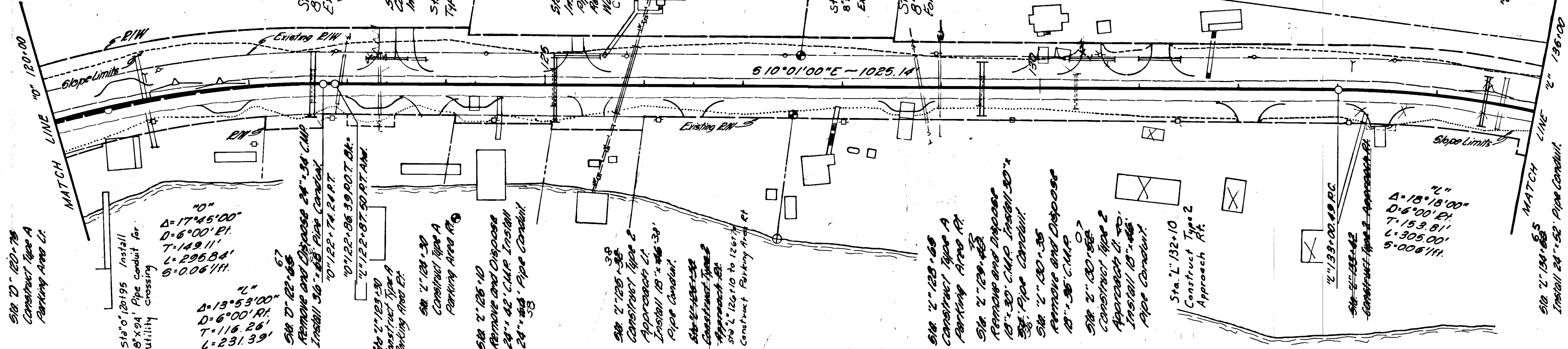
Sta. 125+50
Install 12" 125+50' 60'
Pipe Conduit
Reconnect Existing
Water Sewer Line.
Construct Type II Approach Rt.

Sta. 129+60, Install
8" 66' Pipe Conduit For
Existing Sanitary Sewer Line

Sta. 129+00, Install
8" 48' Pipe Conduit
For Exist. Waterline

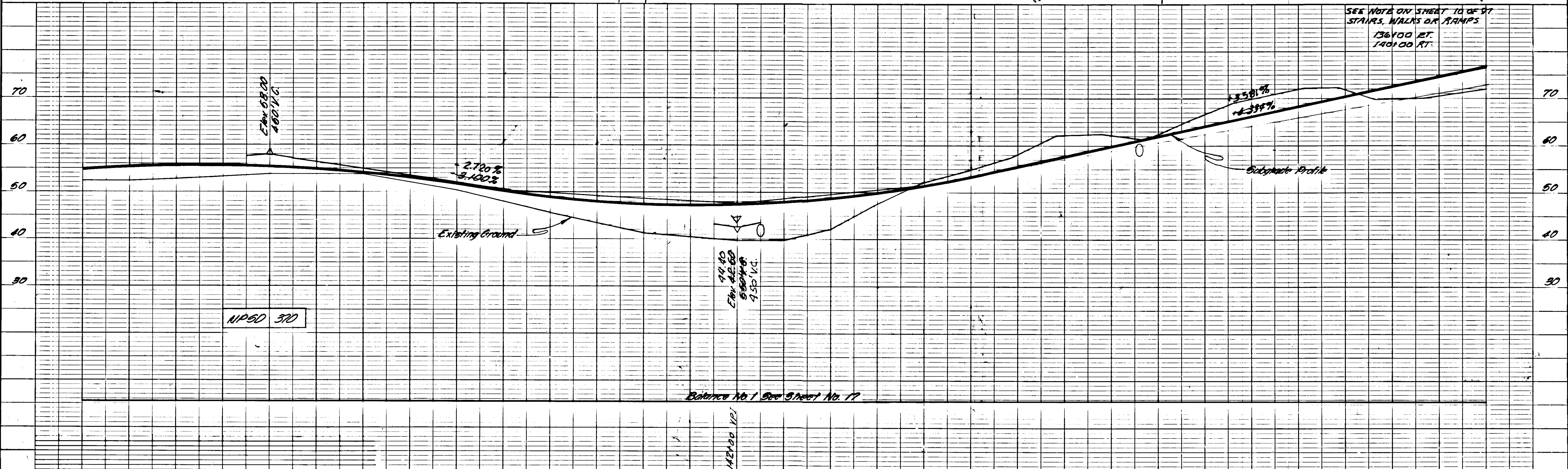
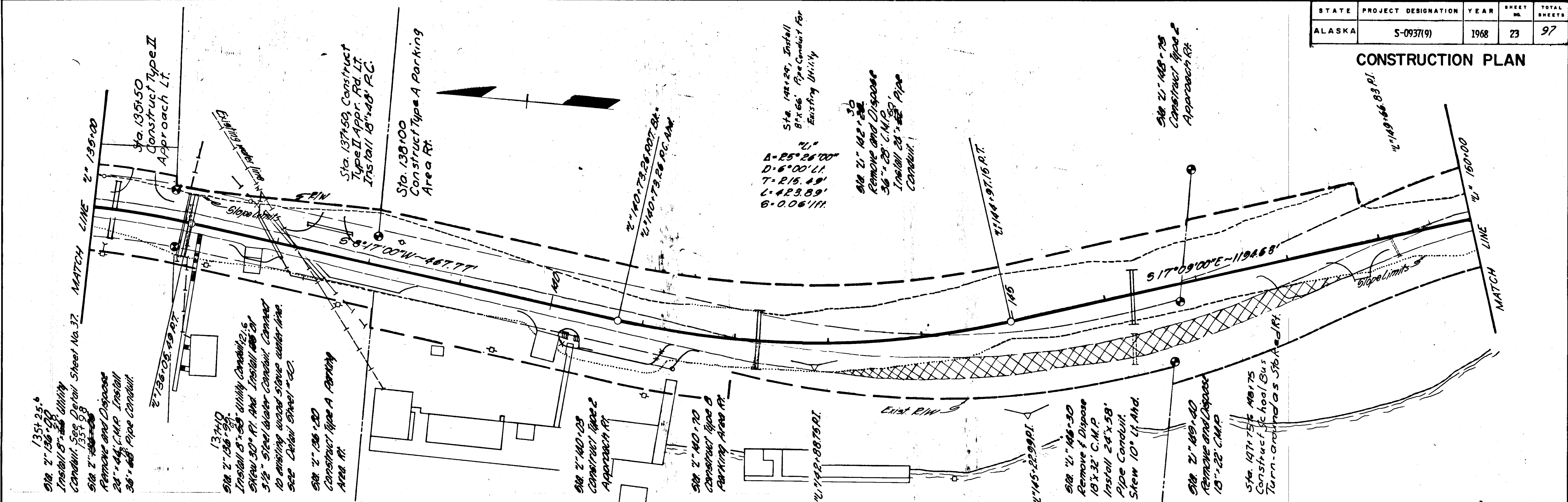
Sta. 131+20 12"
Construct Type 2
Approach Lt.
Install 18" 46' 40'
Pipe Conduit

12" 134+54.30 P.I.
12" 135+00
MATCH LINE
12" 134+54.30 P.I.
Install 24" 52' Pipe Conduit.



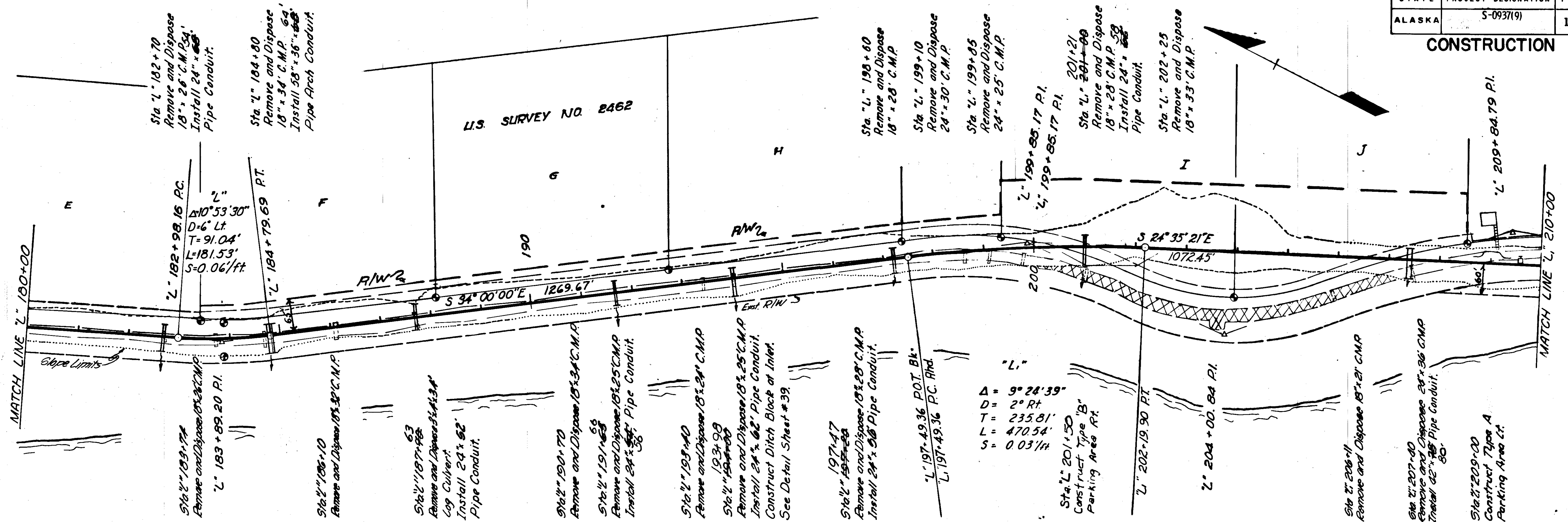
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	S-0937(9)	1968	23	97

CONSTRUCTION PLAN



STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	S-0937(9)	1968	25	97

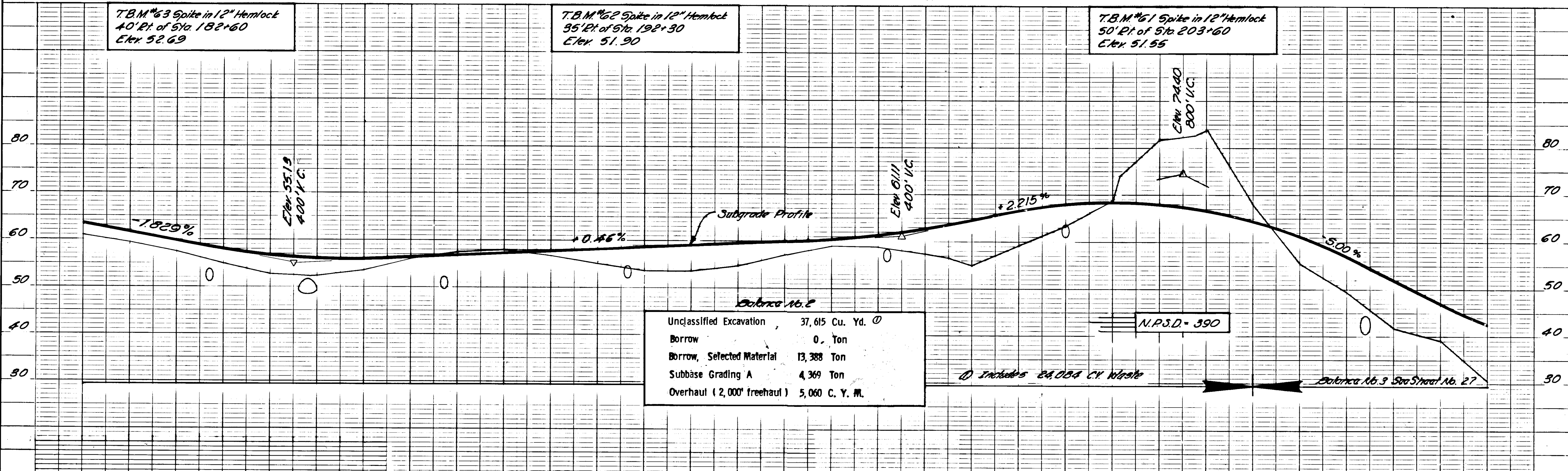
CONSTRUCTION PLAN



T.B.M. #63 Spike in 12" Hemlock
40' Rt. of Sta. 182+60
Elev. 52.69

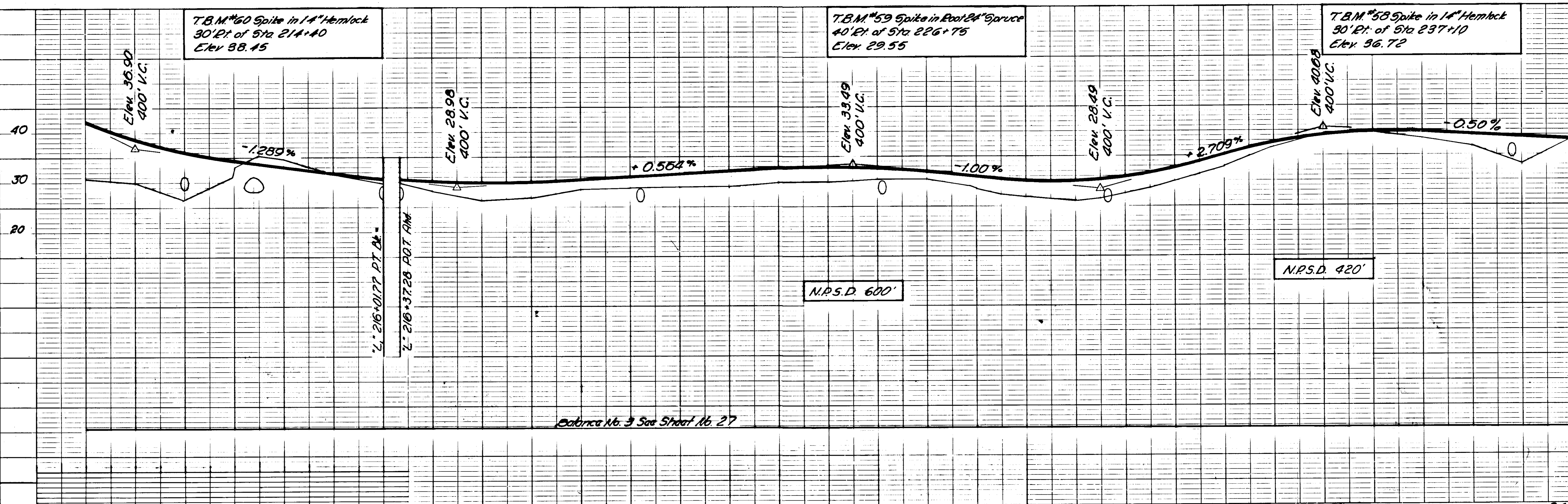
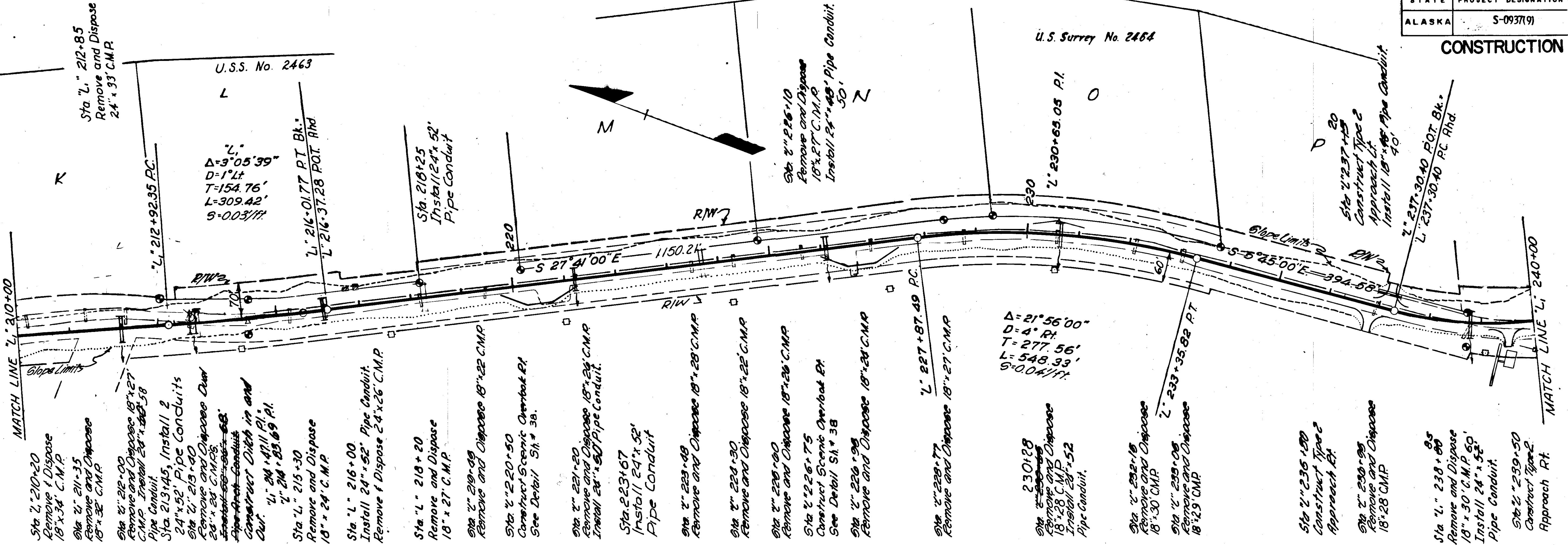
T.B.M. #62 Spike in 12" Hemlock
95' Rt. of Sta. 192+30
Elev. 51.90

T.B.M. #61 Spike in 12" Hemlock
50' Rt. of Sta. 203+60
Elev. 51.55



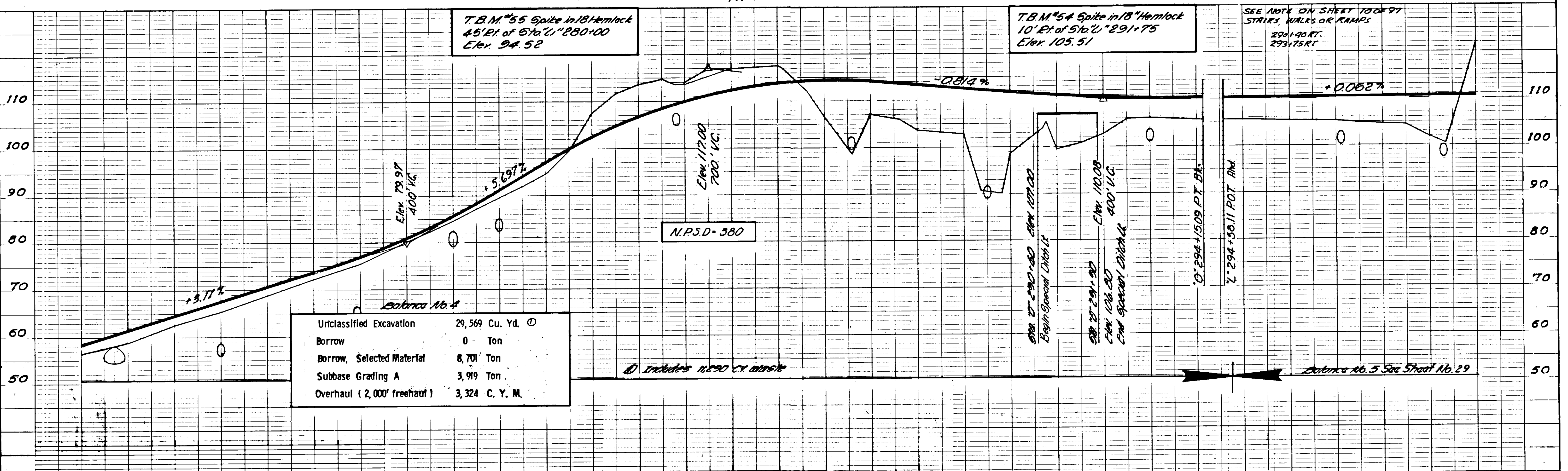
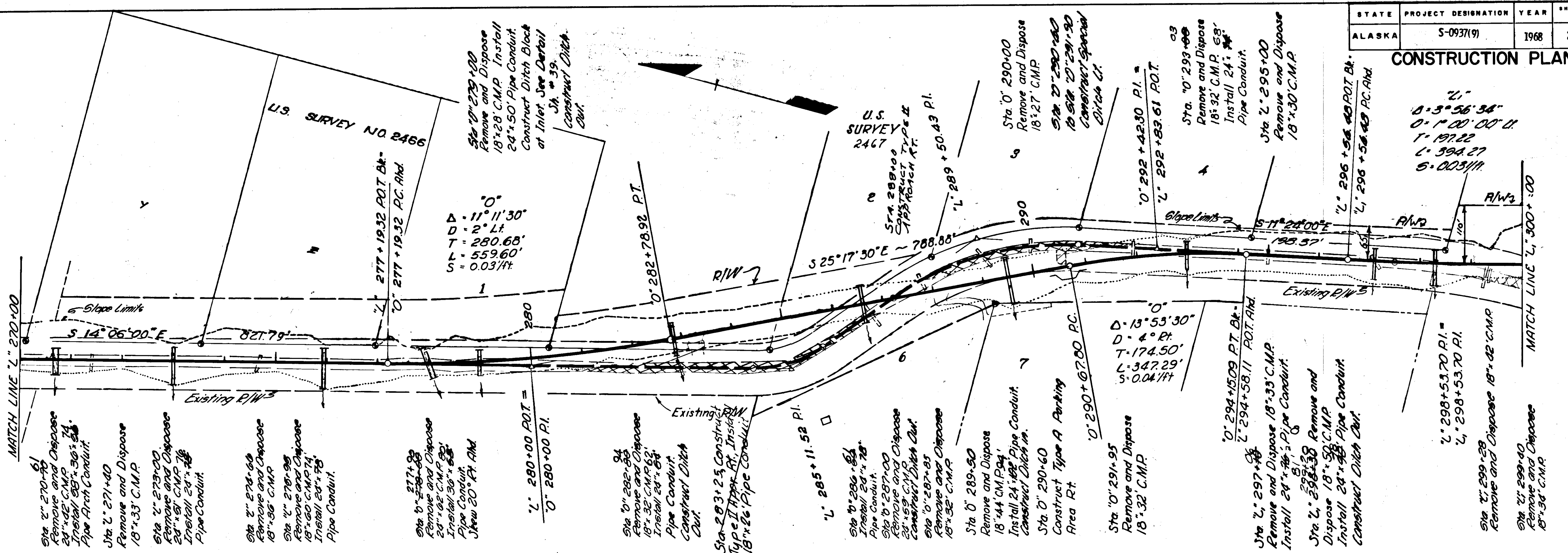
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.
ALASKA	S-0937(9)	1968	26

CONSTRUCTION PLAN



STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	S-0937(9)	1968	28	97

CONSTRUCTION PLAN



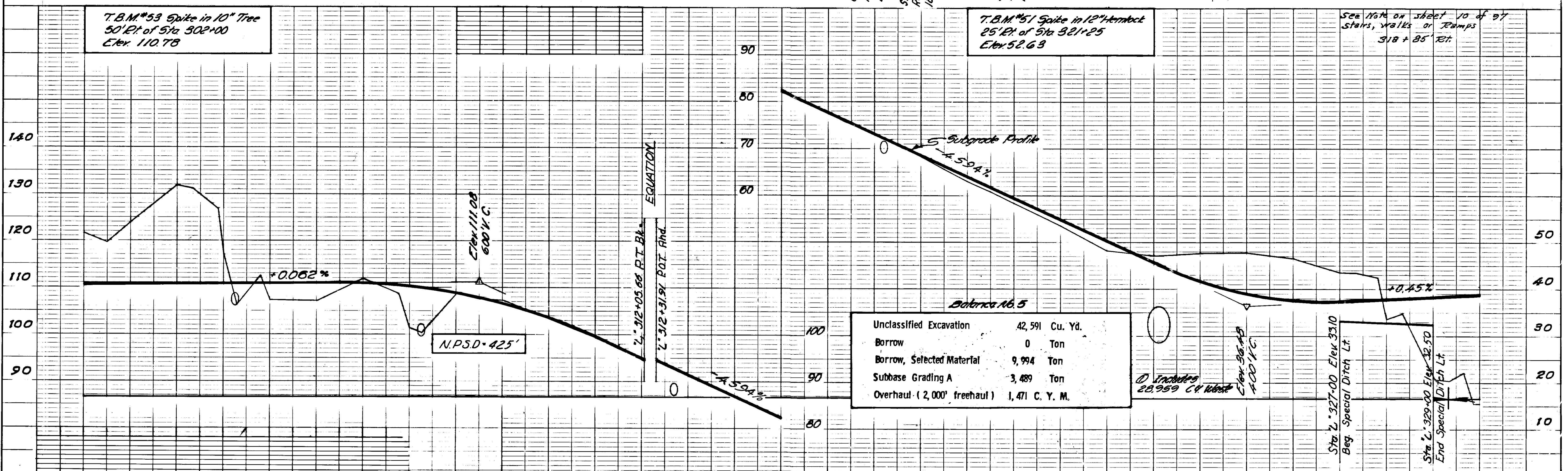
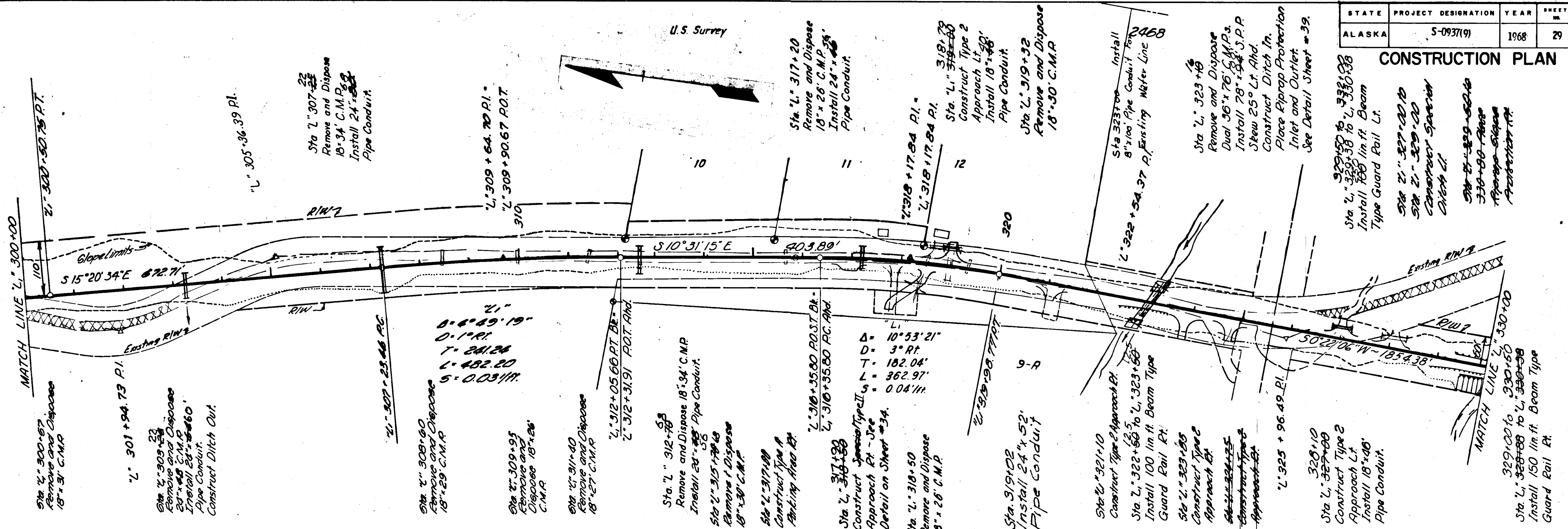
STATE	PROJECT DESIGNATION	YEAR	SHEET	TOTAL SHEETS
ALASKA	S-0937(9)	1968	29	97

CONSTRUCTION PLAN

Sta. 21+327.00 to 21+330.00
Install 100 lin ft Beam Type Guard Rail Lt.

Sta. 21+327.00 to 21+329.00
Construct Special Approach Ditch Lt.

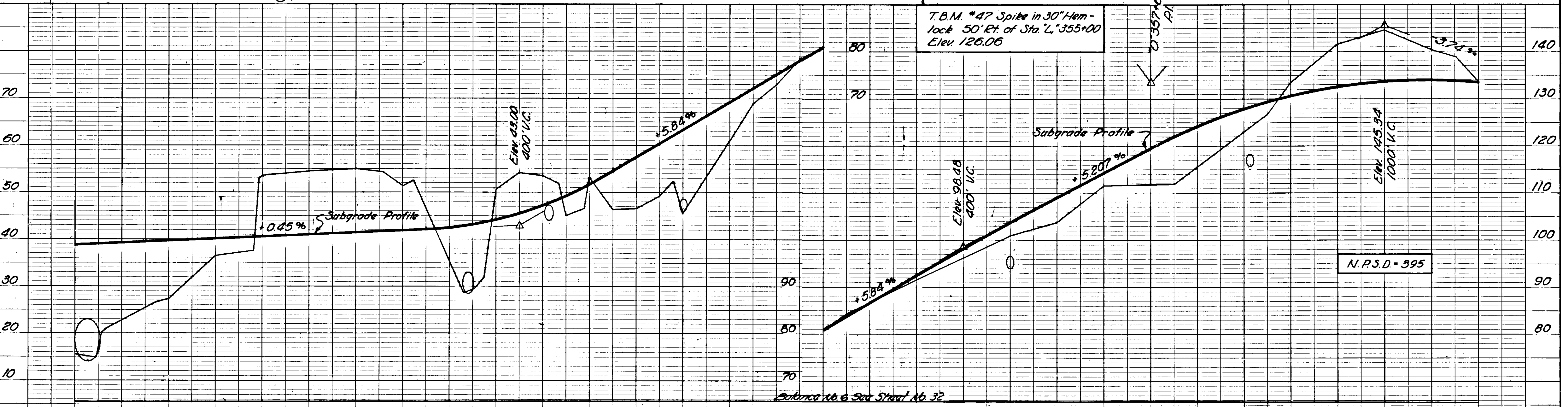
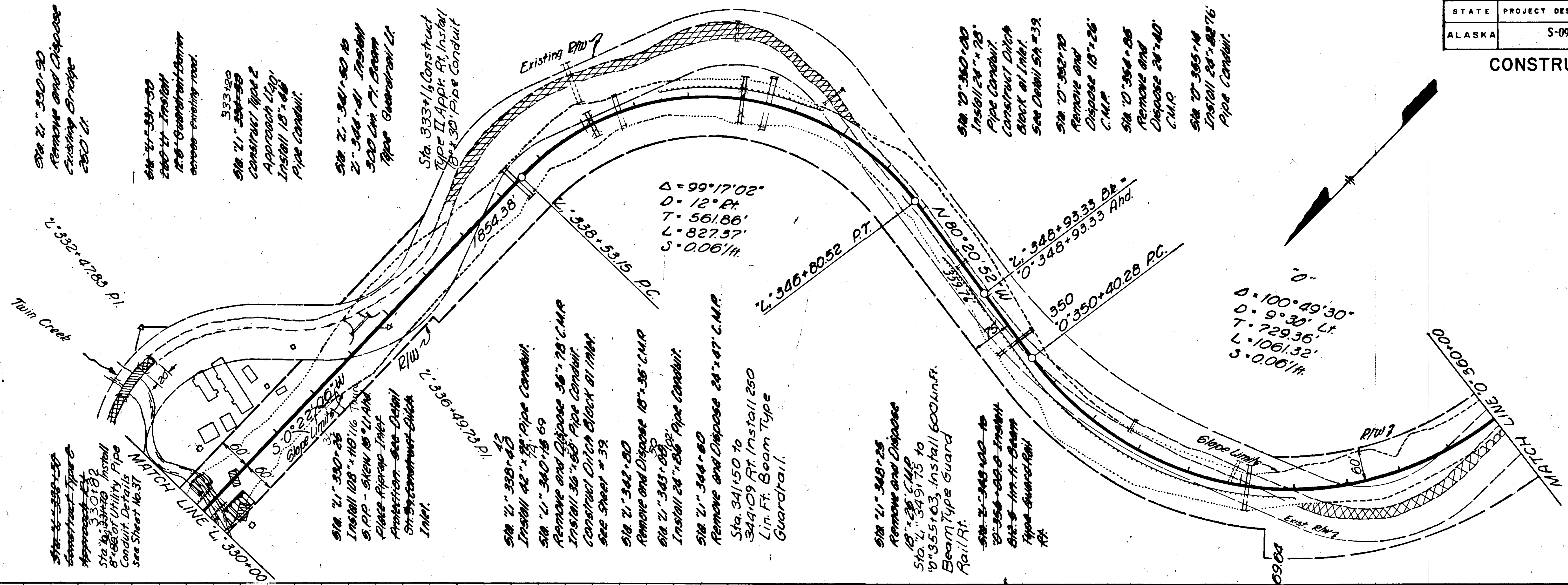
Sta. 21+329.00 to 21+330.00
Remove and Replace Riprap - Elevation Protection Rt.



L: 344+15.01 P.I.

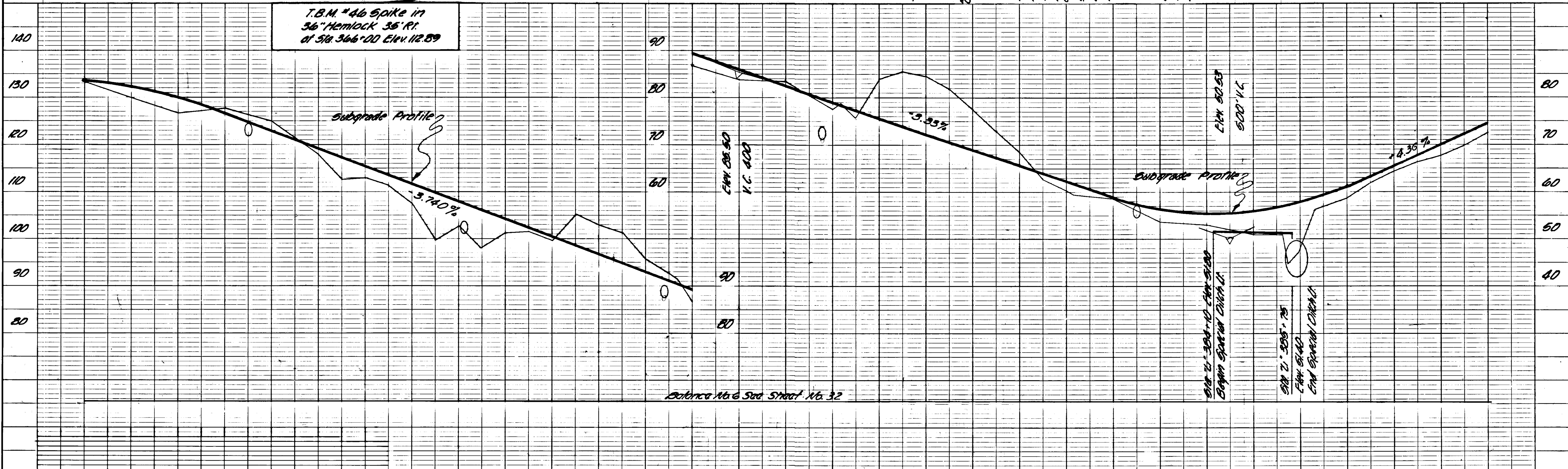
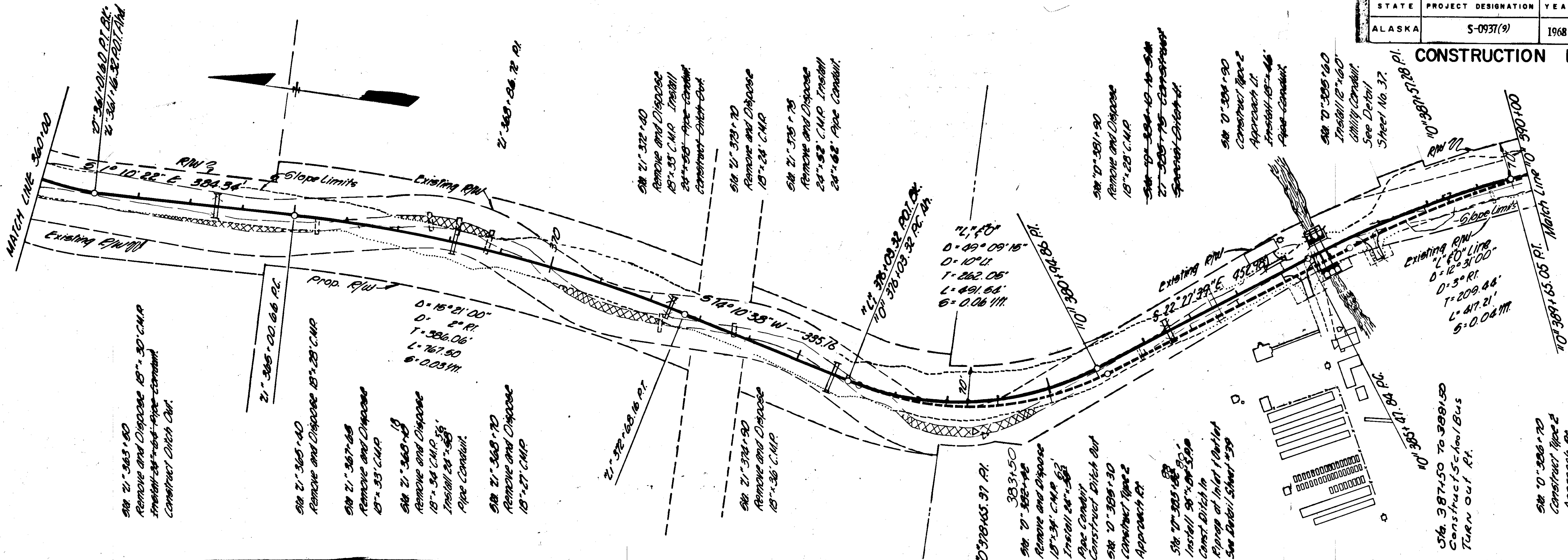
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	S-0937(9)	1968	30	97

CONSTRUCTION PLAN



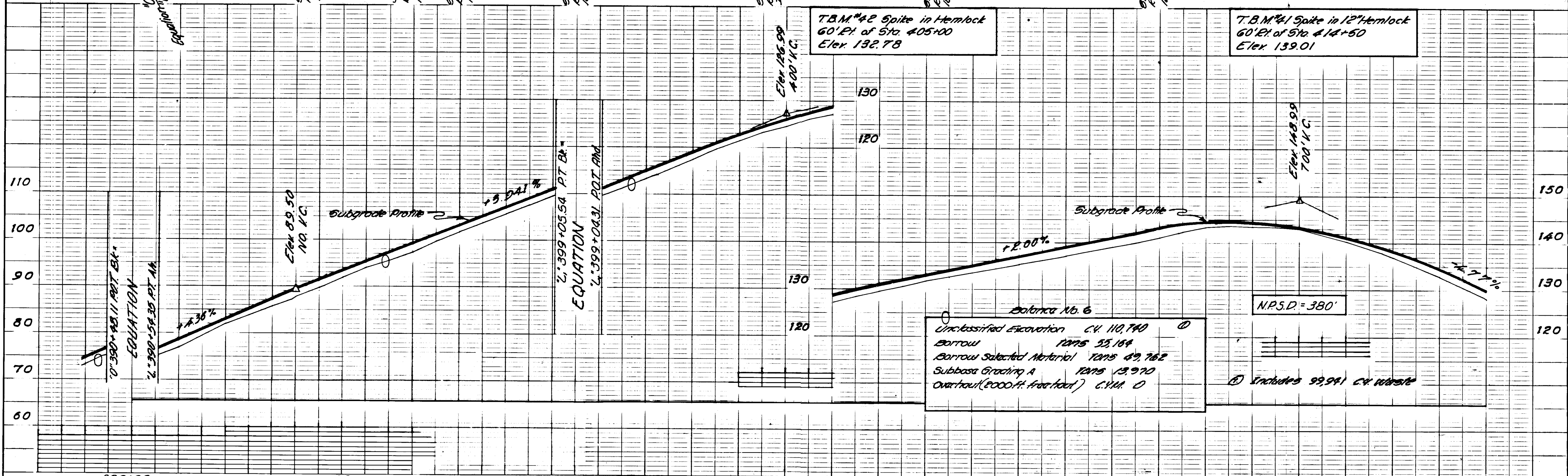
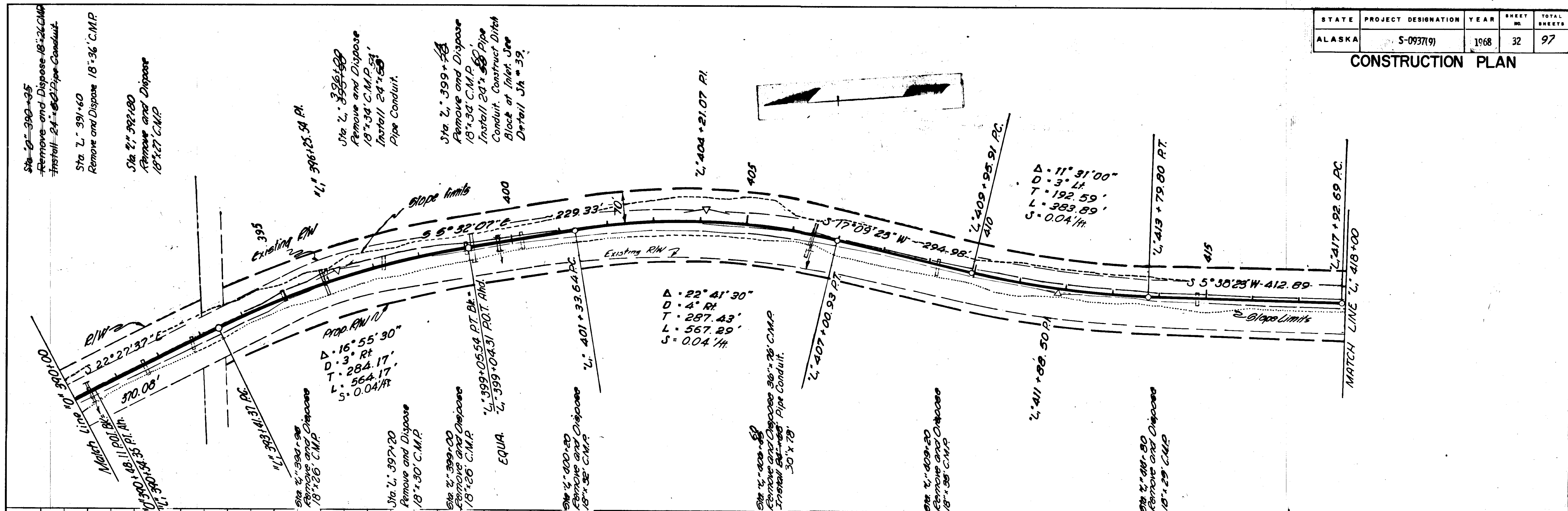
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	S-0937(9)	1968	31	97

CONSTRUCTION PLAN



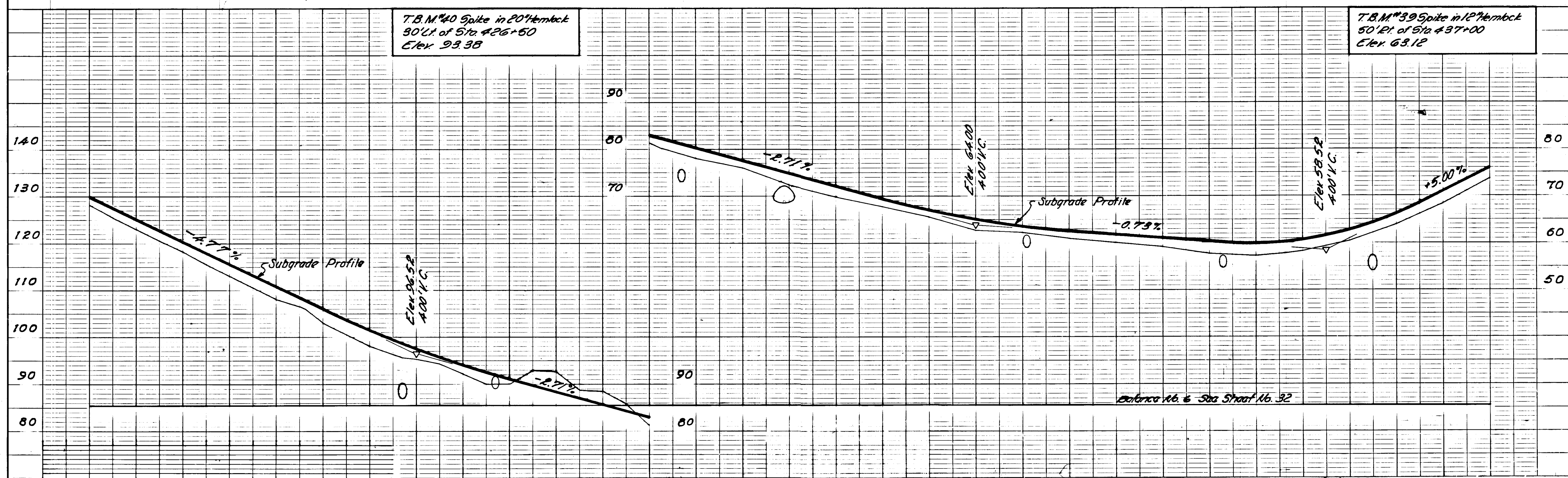
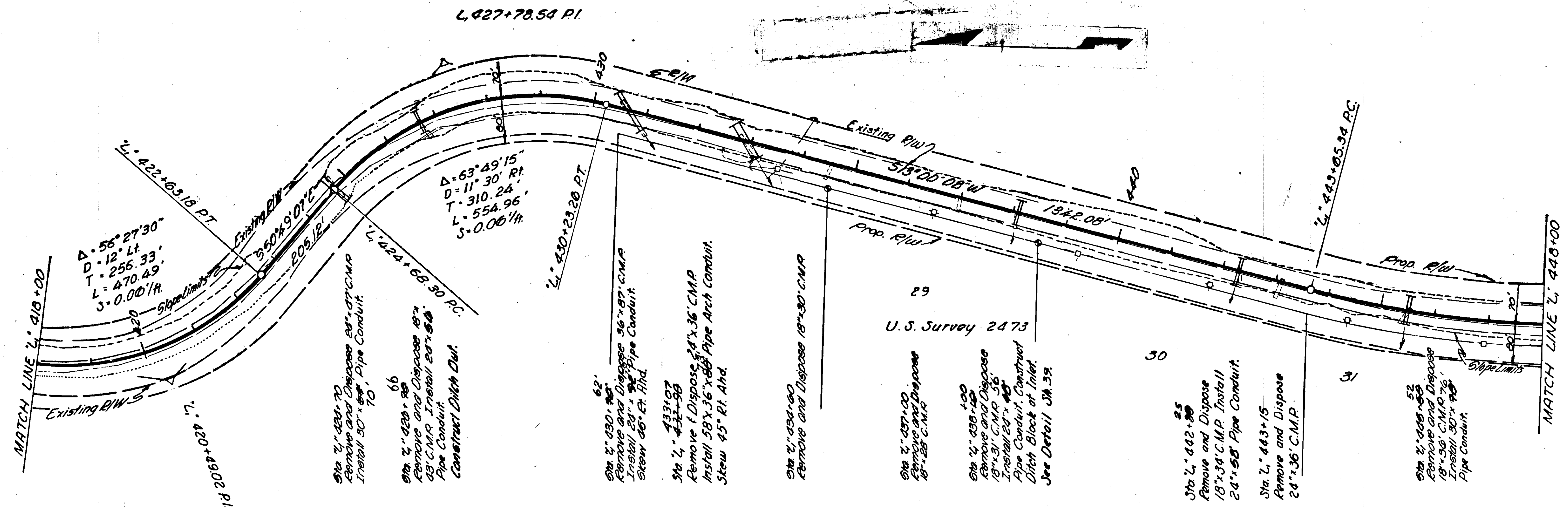
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	S-0937(9)	1968	32	97

CONSTRUCTION PLAN



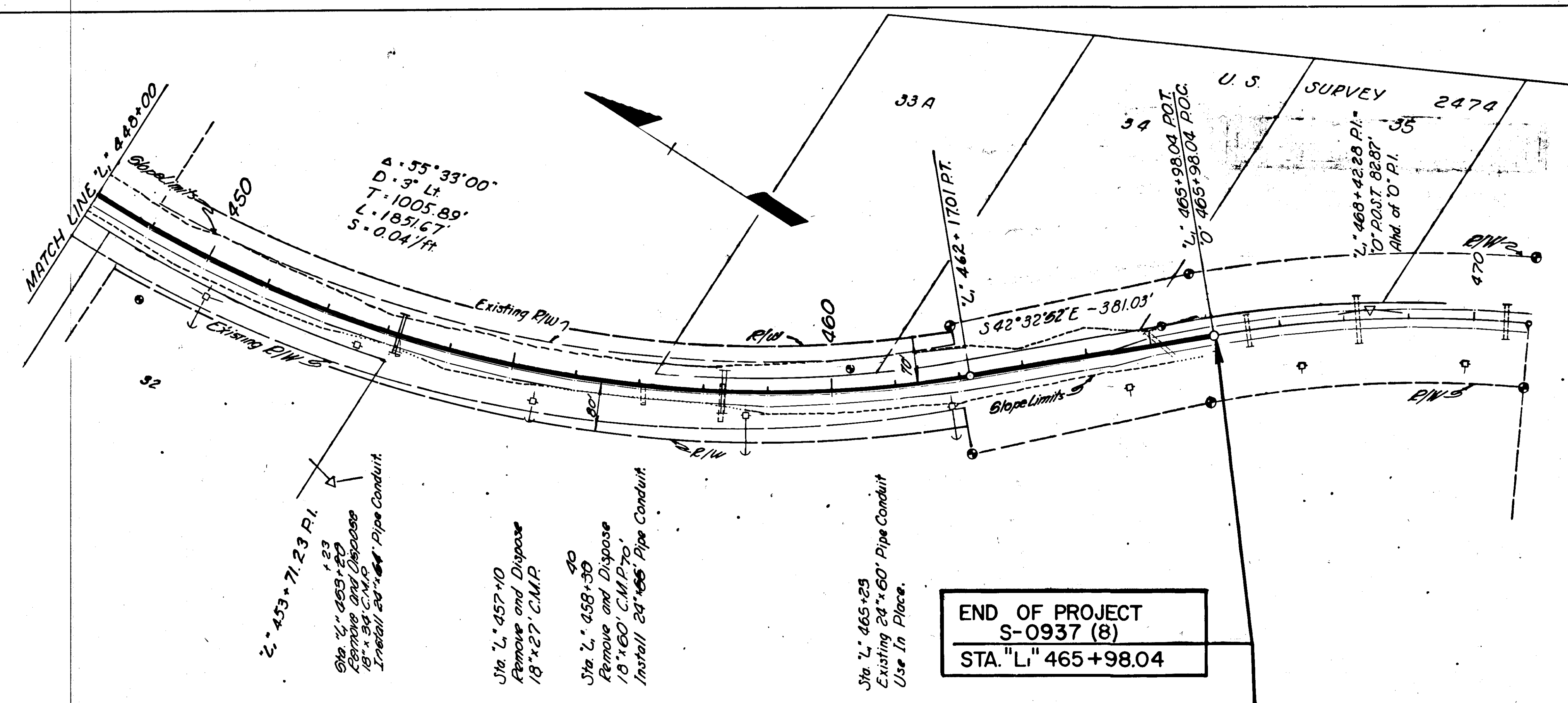
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	S-0937(9)	1968	33	97

CONSTRUCTION PLAN

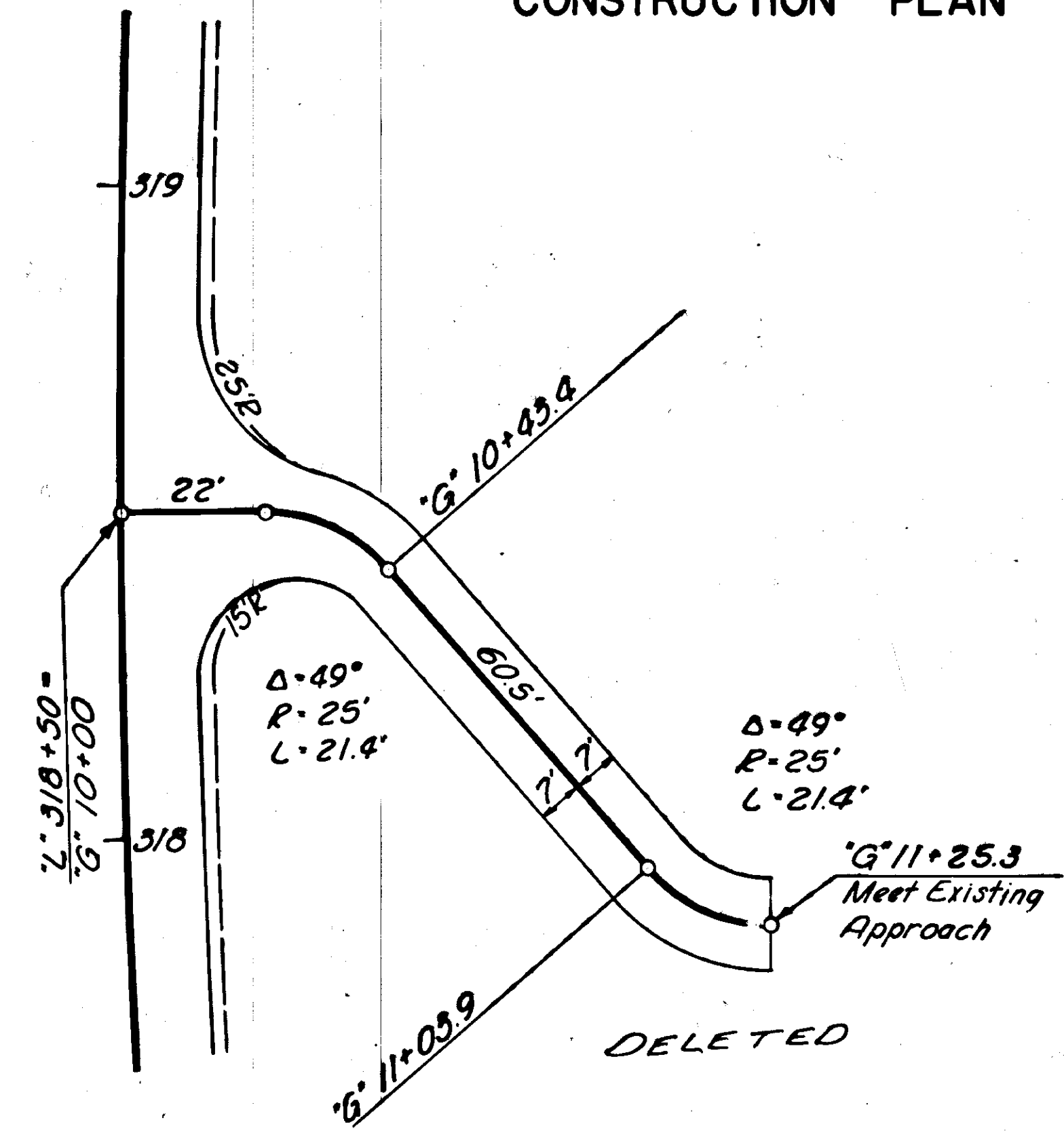


STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	S-0937(9)	1968	34	97

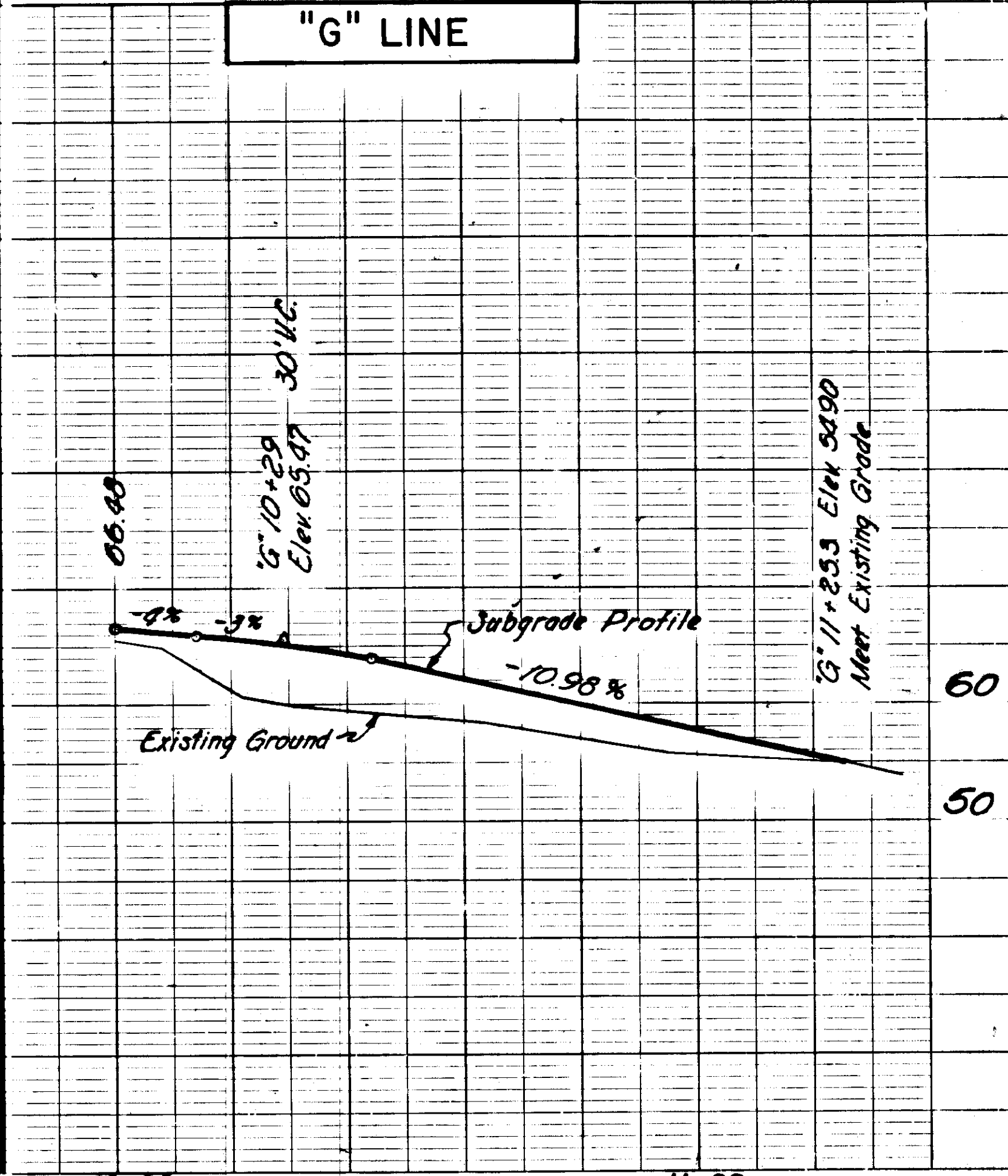
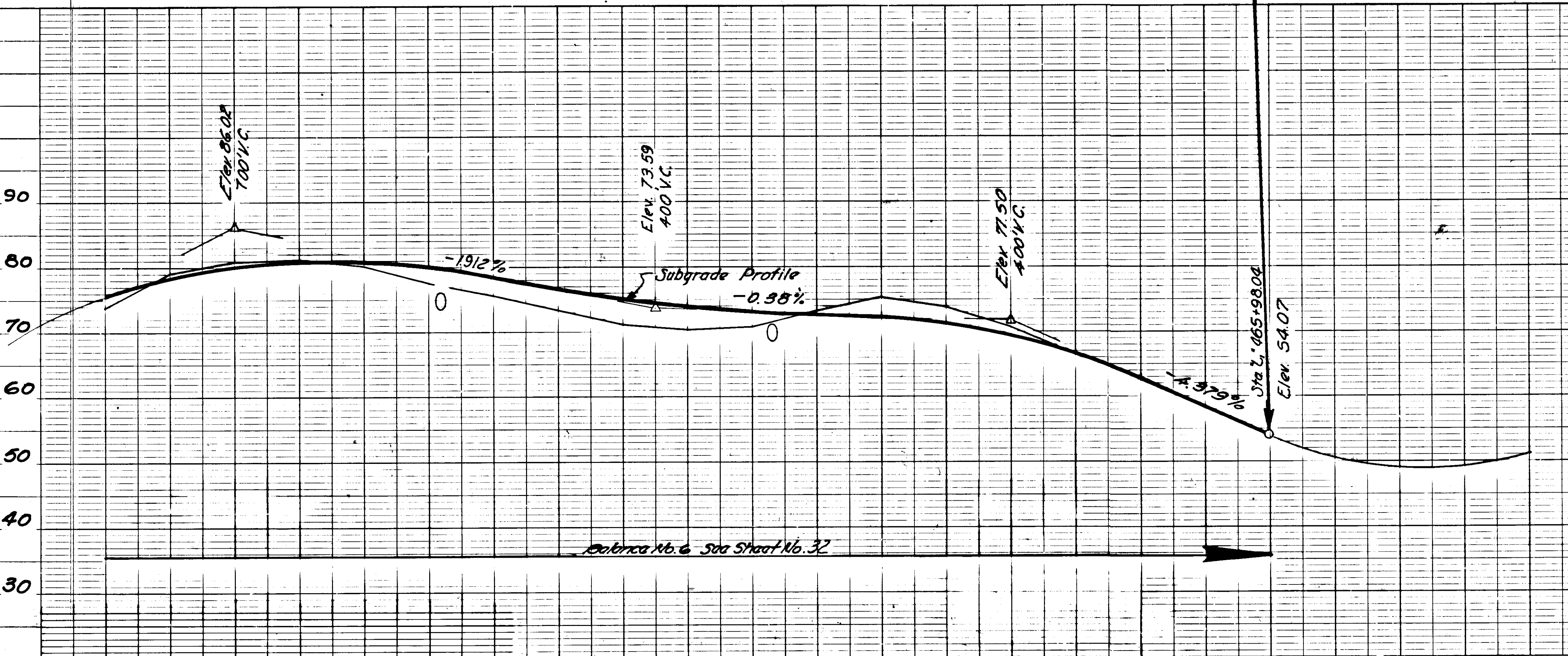
CONSTRUCTION PLAN



END OF PROJECT
S-0937 (8)
STA. "L" 465+98.04

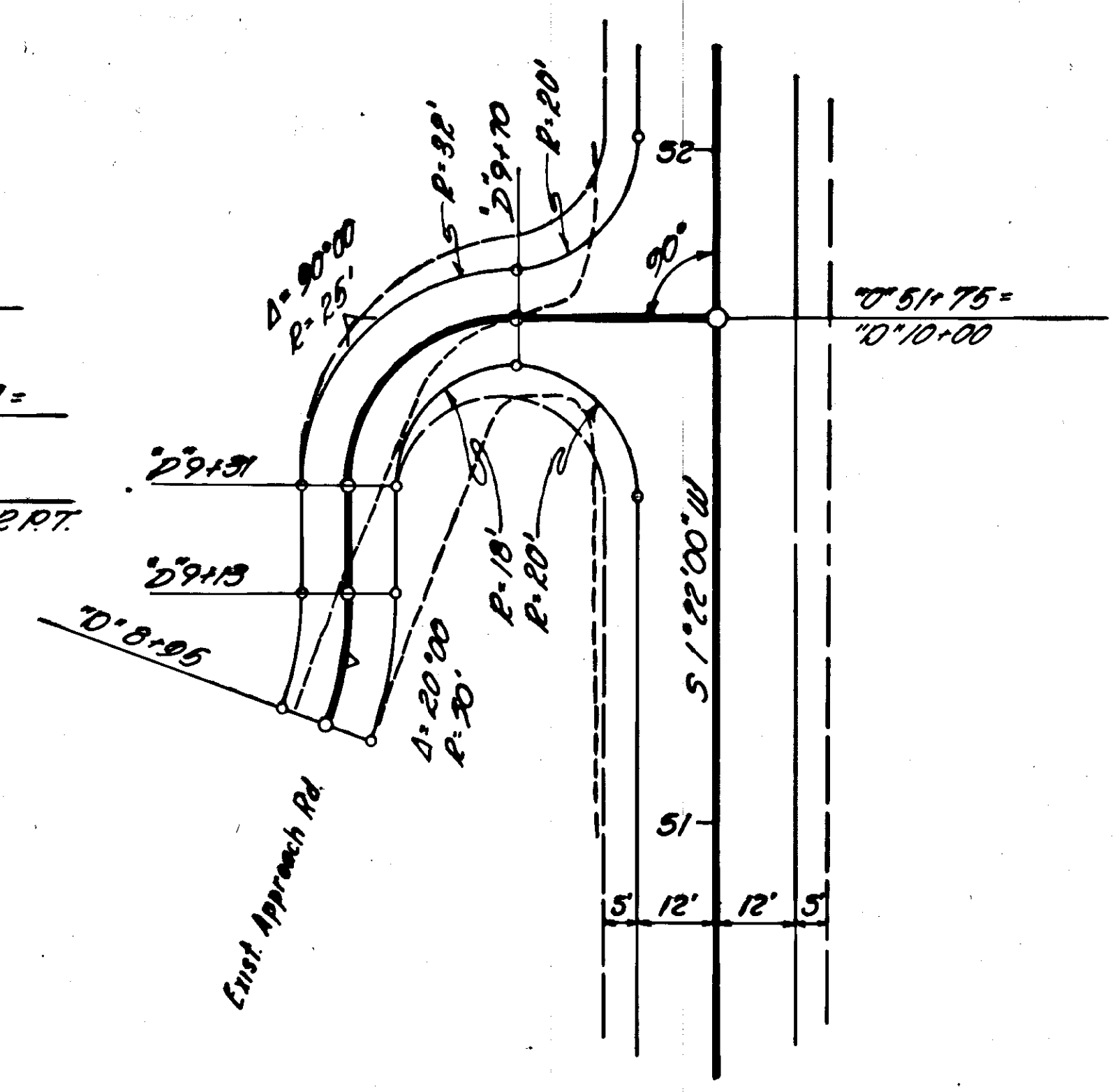
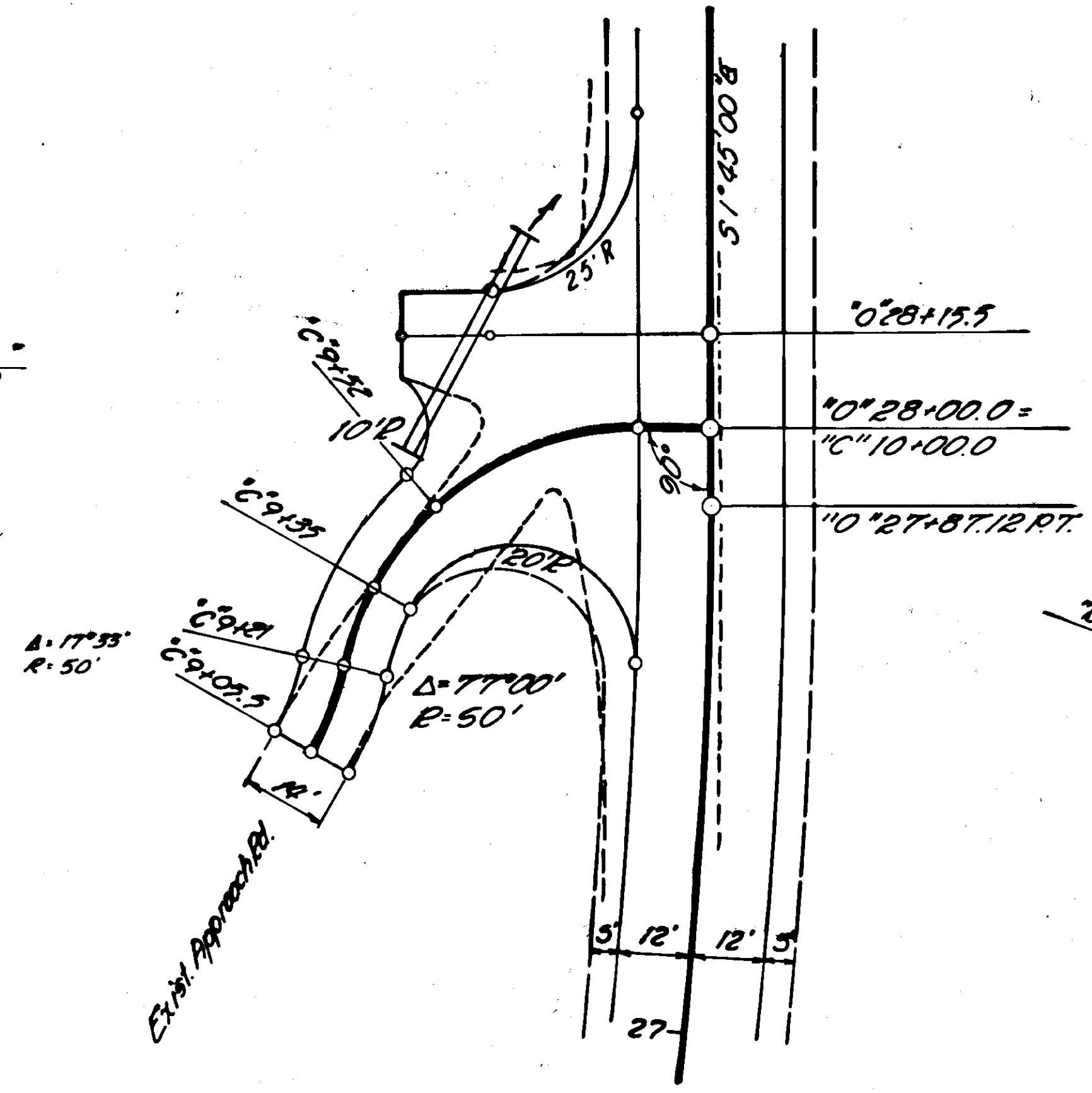
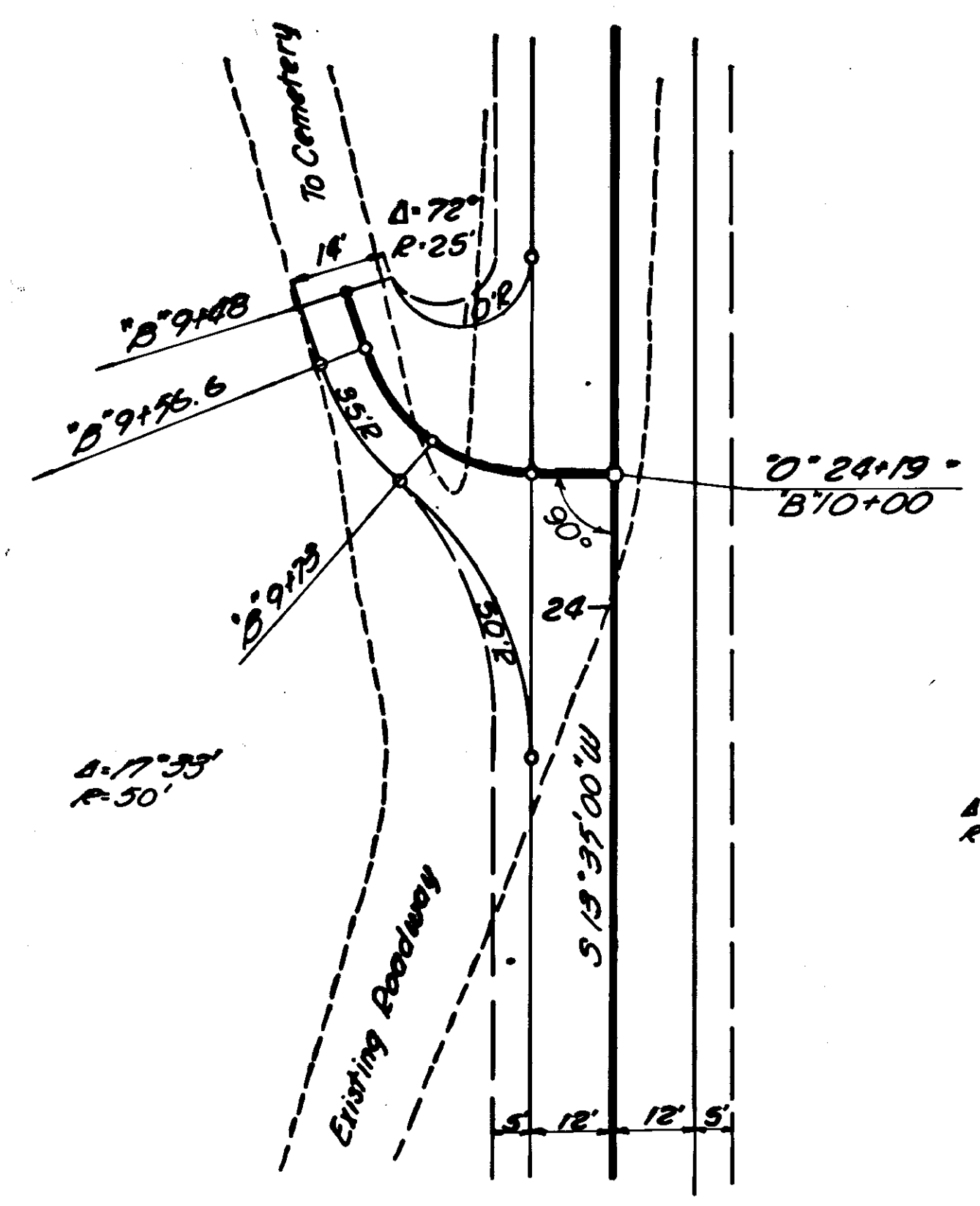


"G" LINE

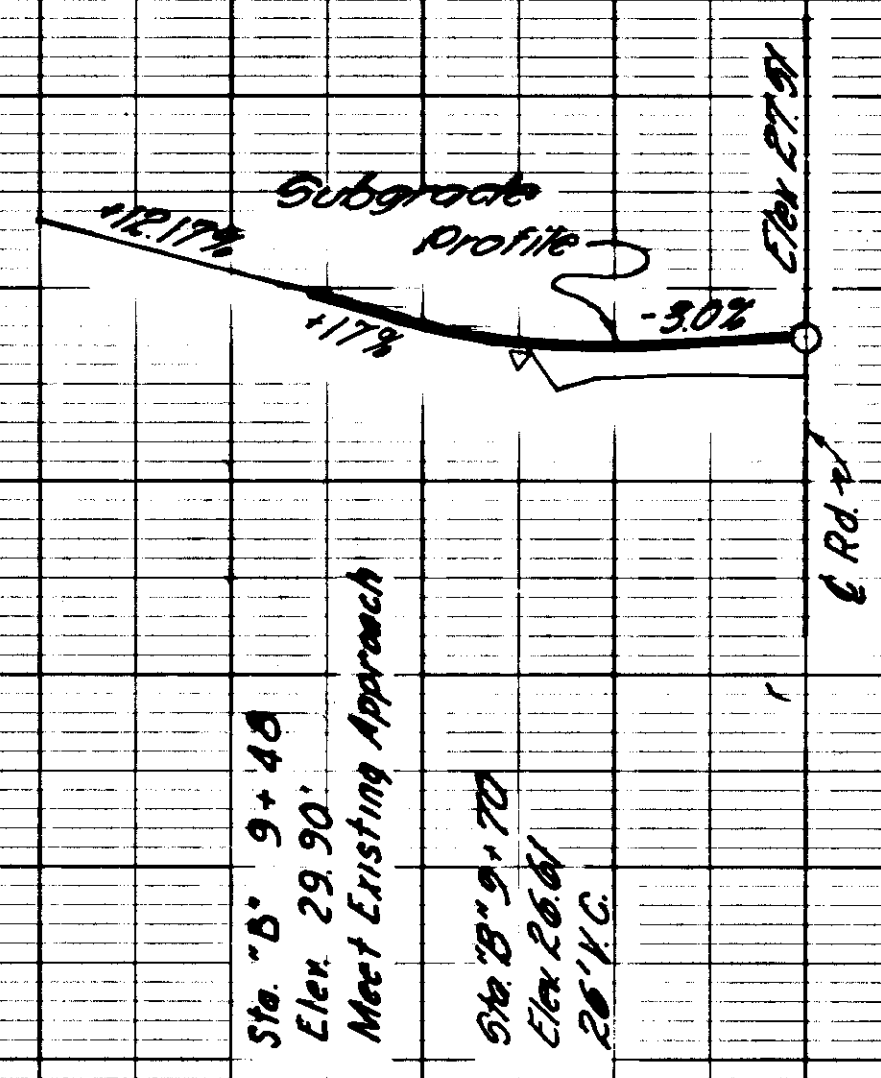


STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	S-0937(9)	1968	35	97

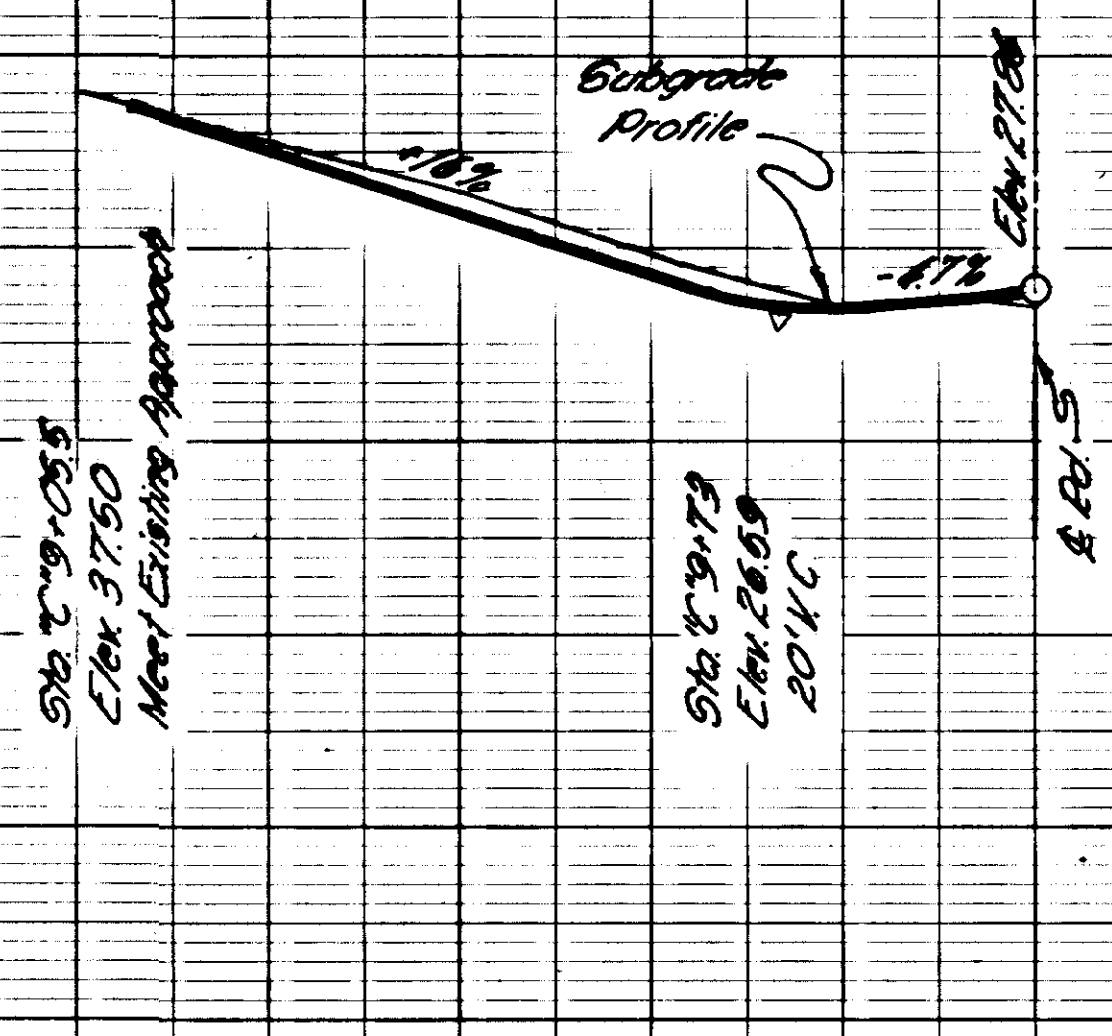
APPROACH DETAILS



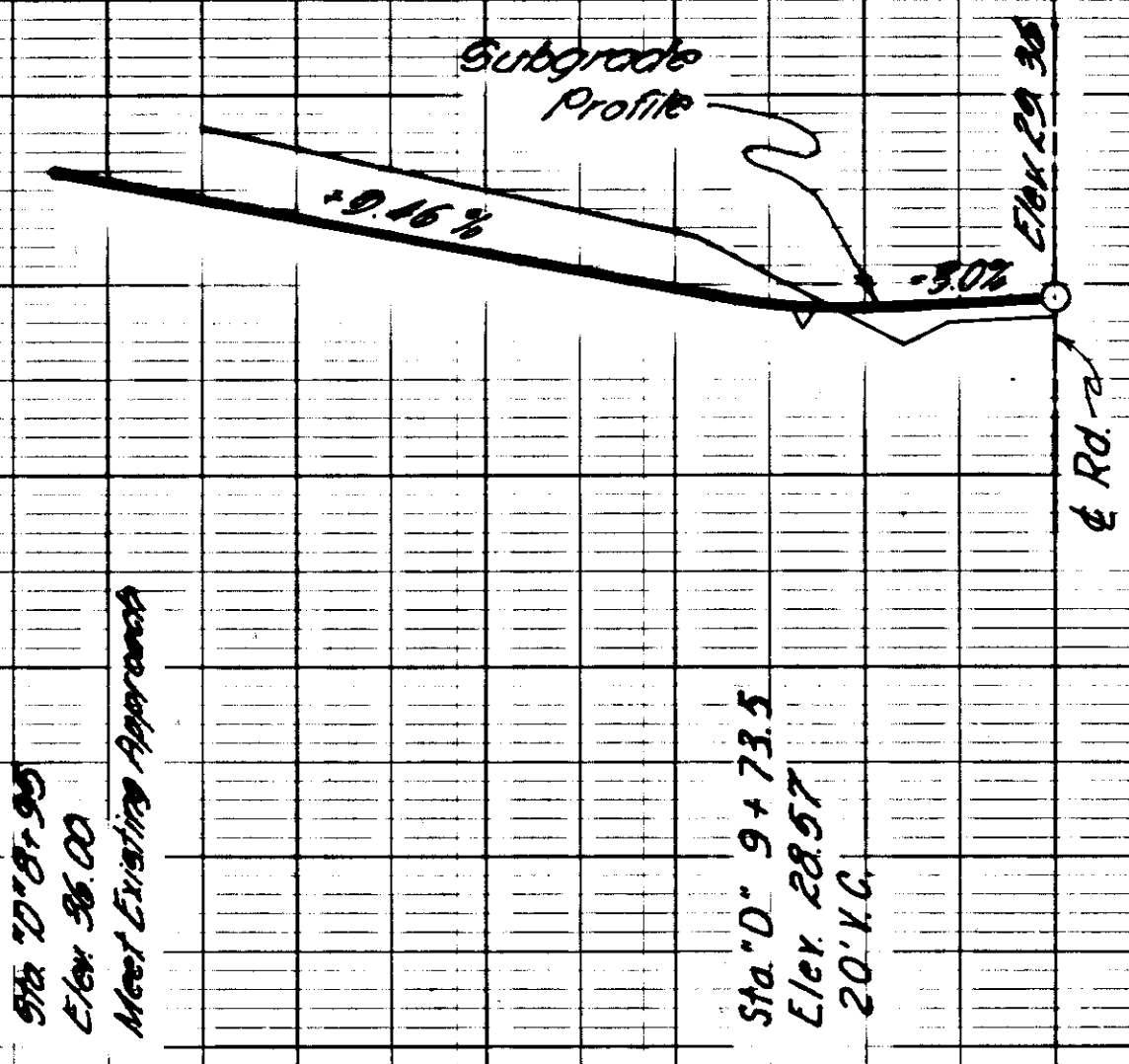
"B" LINE



"C" LINE

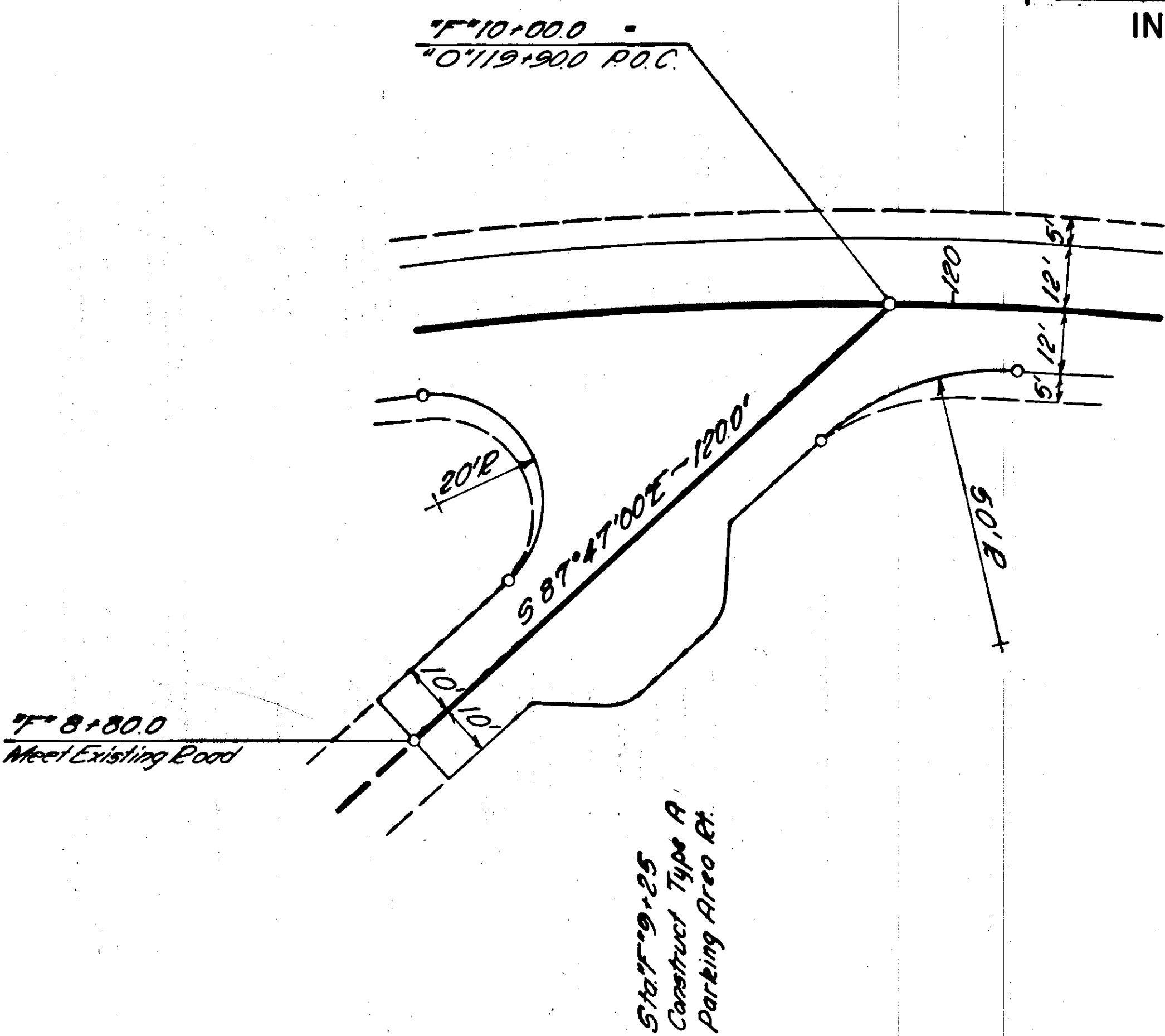
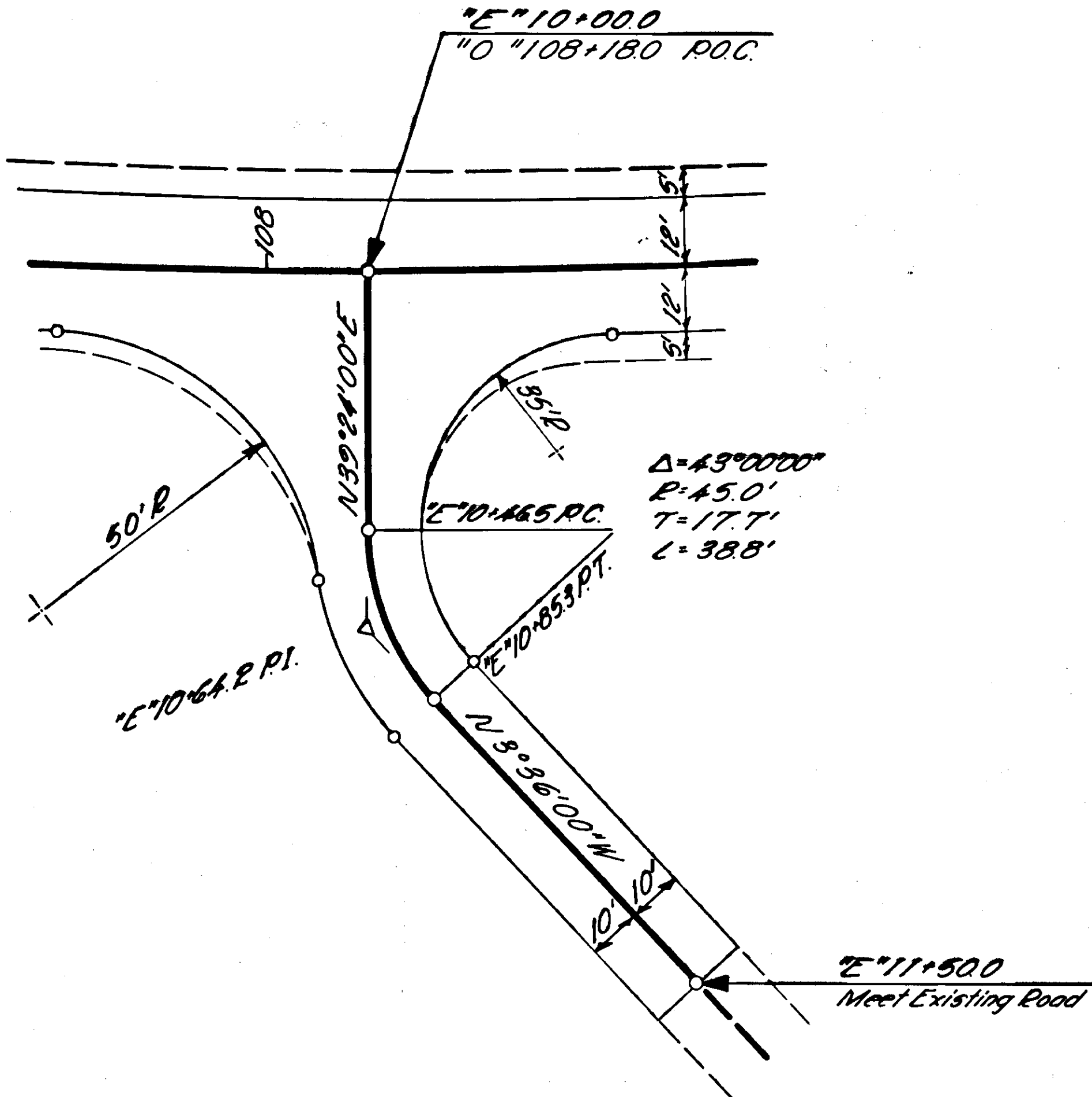


"D" LINE

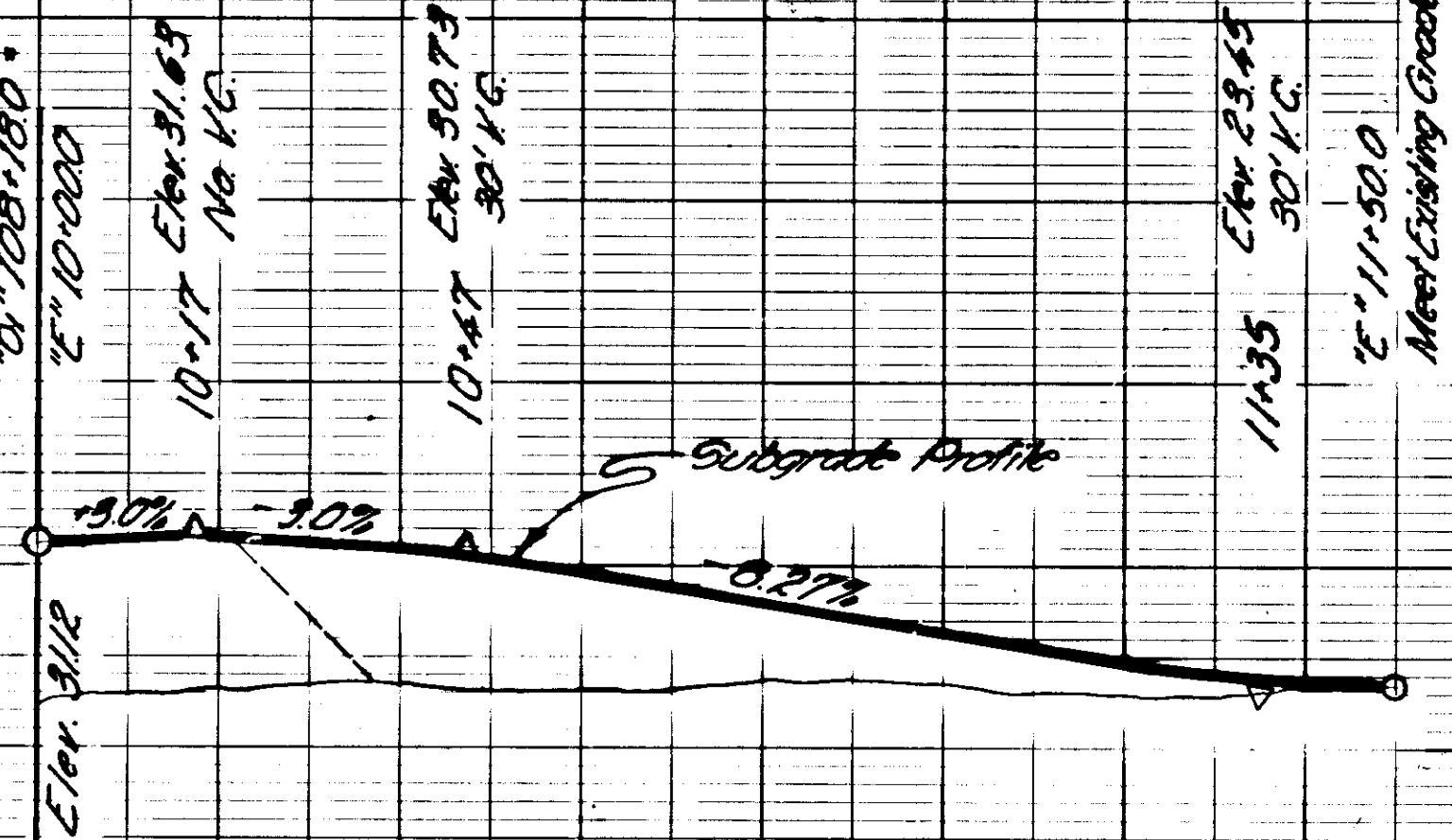


STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	S-0937(9)	1968	36	97

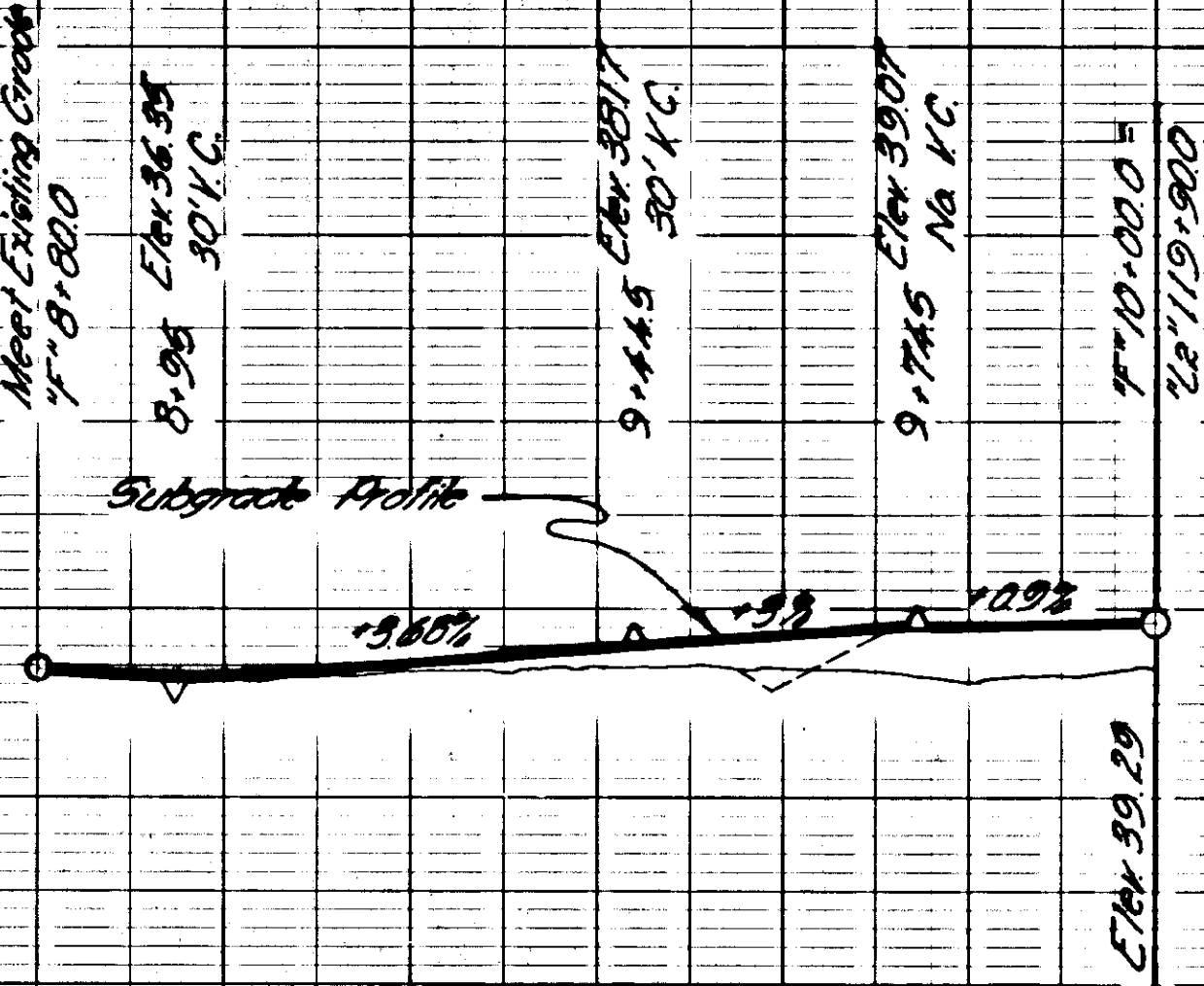
INTERSECTION PLAN



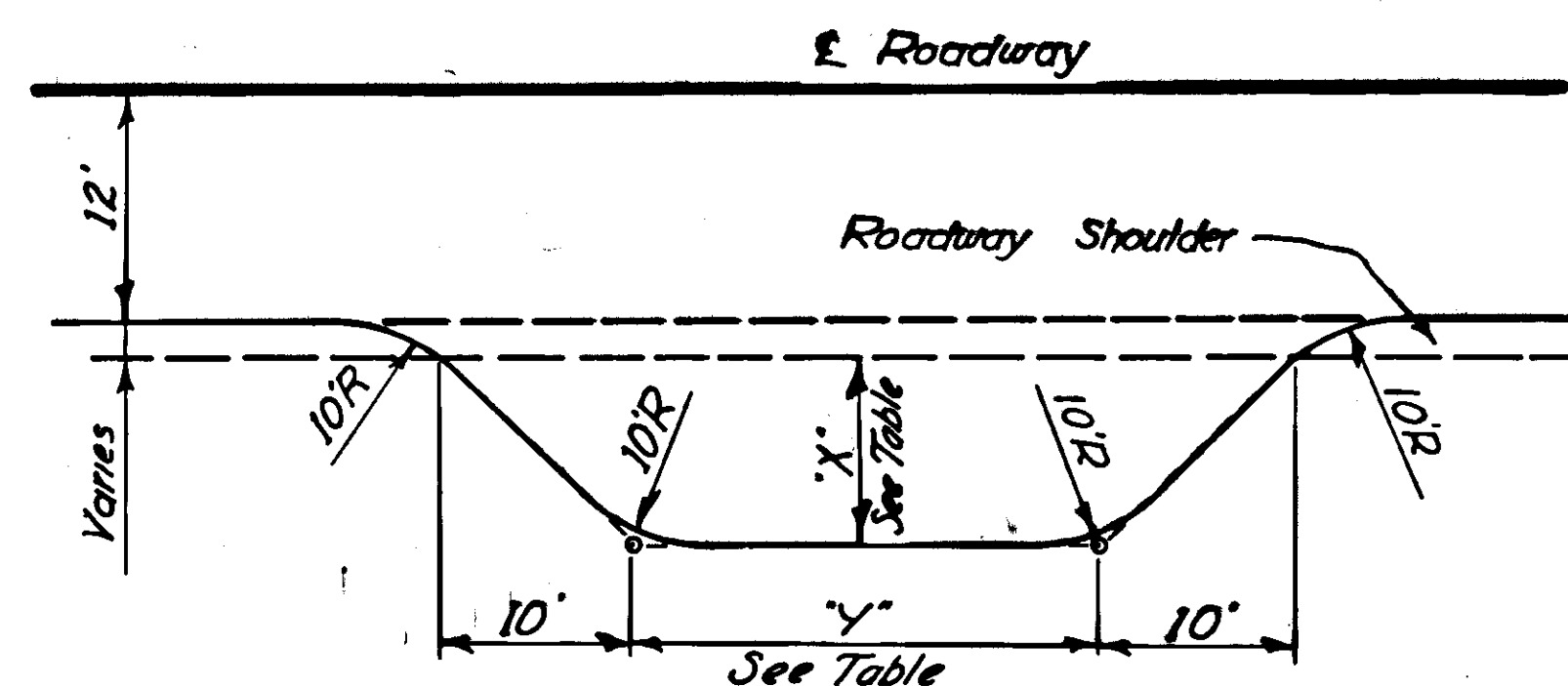
APPROACH ROAD "E" Line



APPROACH ROAD "F" Line



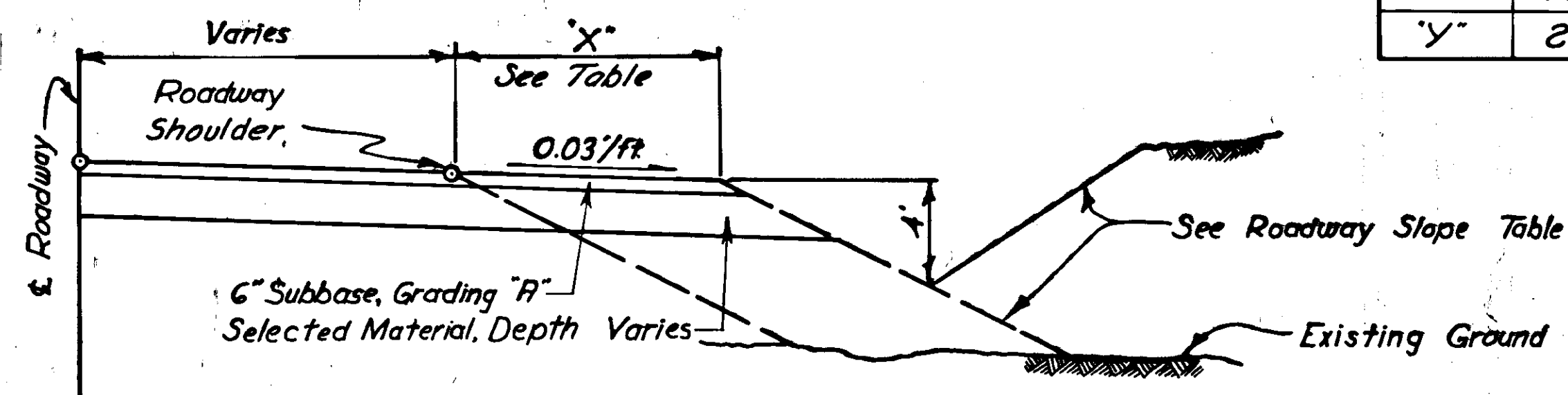
MISCELLANEOUS DETAILS



PLAN

PARKING AREA DIMENSIONS

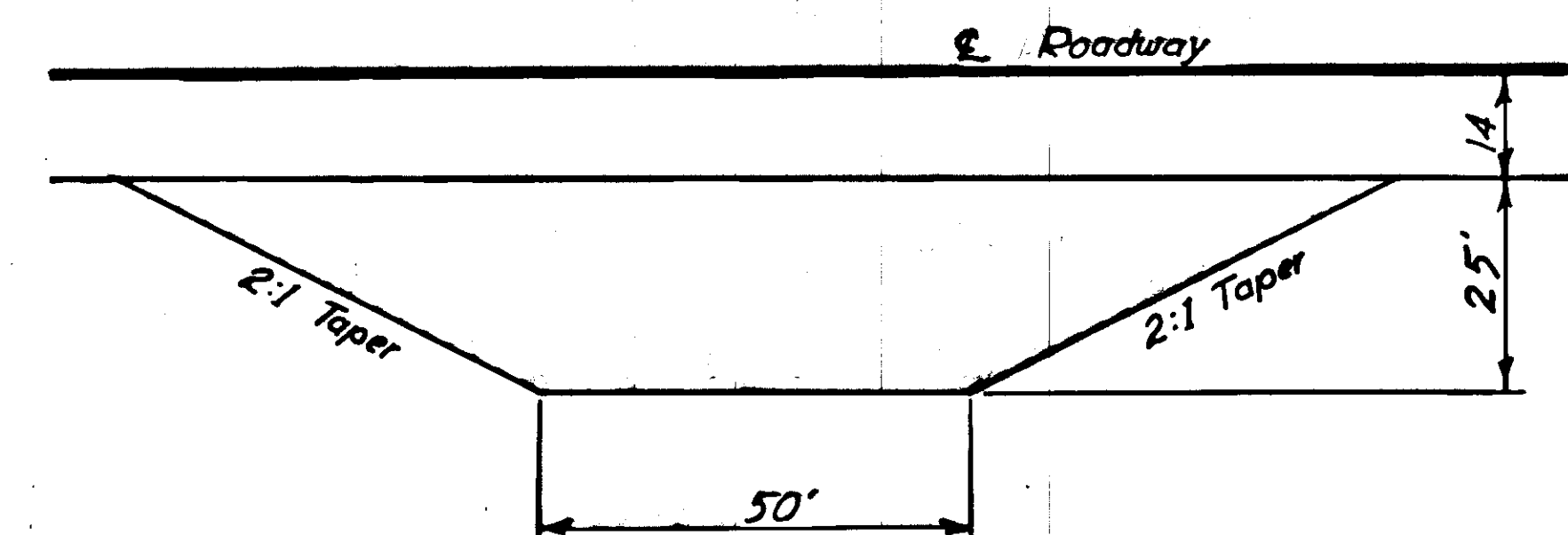
Dimen.	Type 'A'	Type 'B'
"X"	10'	25'
"Y"	25'	100'



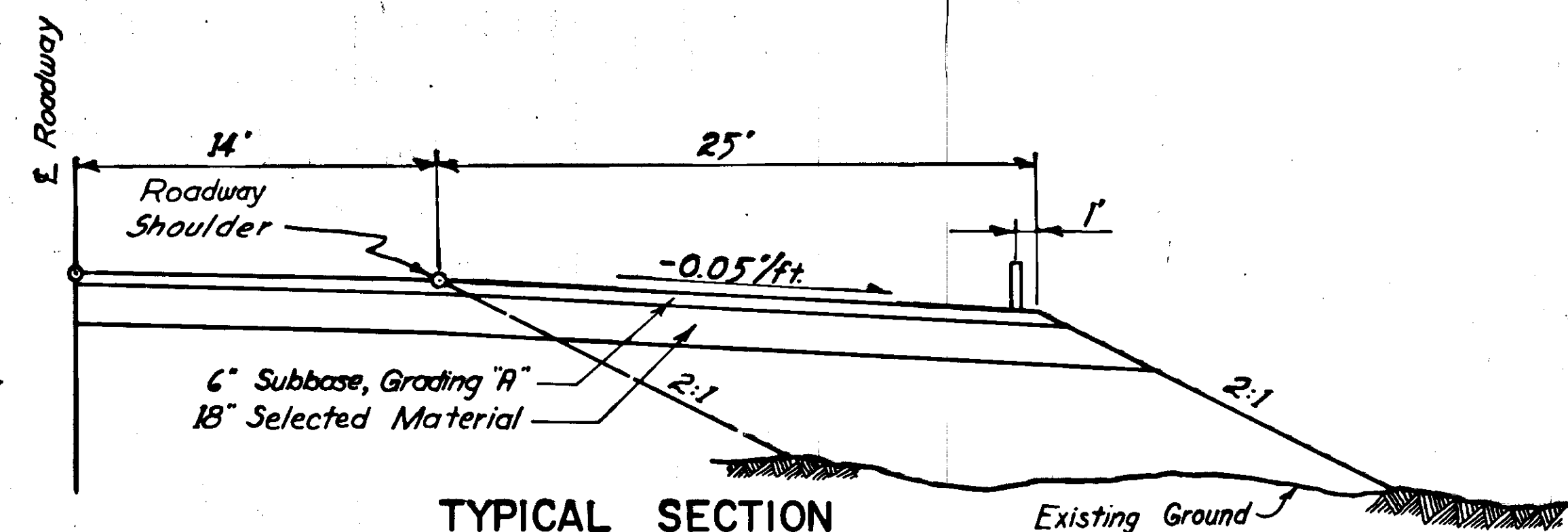
TYPICAL SECTION

PARKING AREA DETAILS

See Sheet #8 for Locations



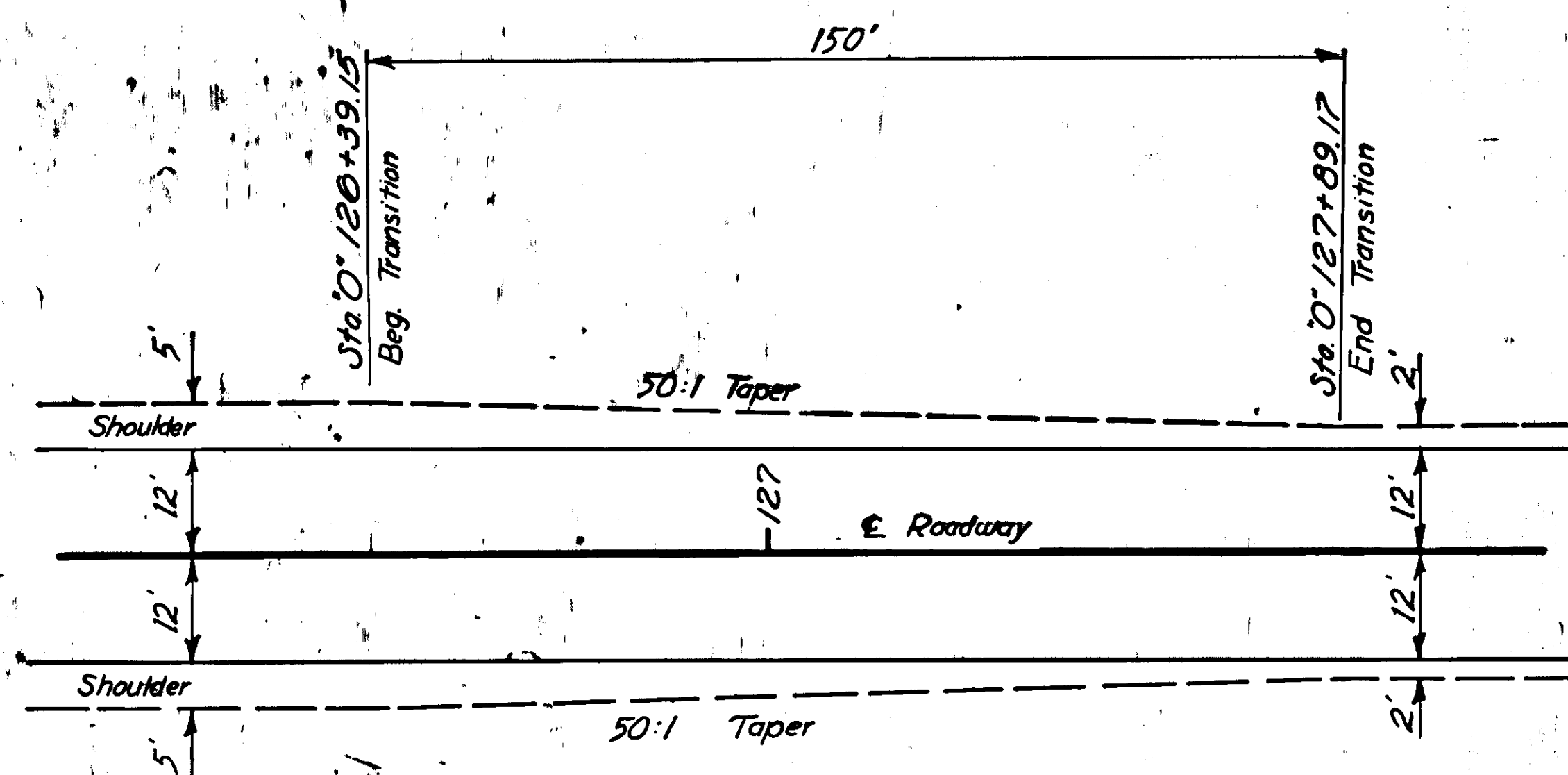
PLAN



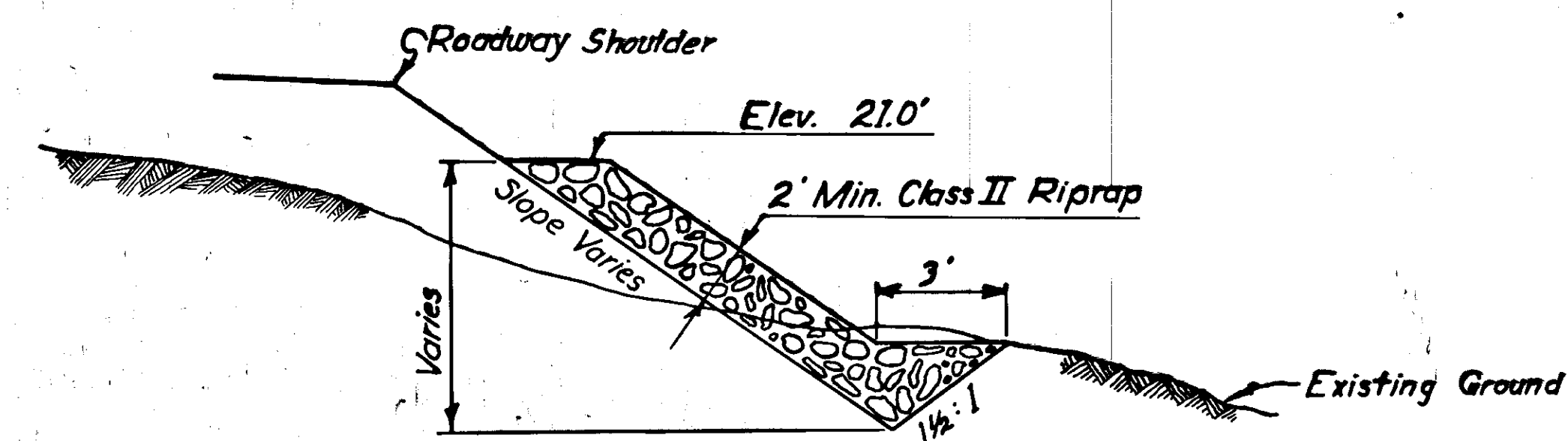
TYPICAL SECTION

SCENIC OVERLOOK DETAIL

STA "L" 219+75 to "L" 221+25
STA "L" 226+00 to "L" 227+50

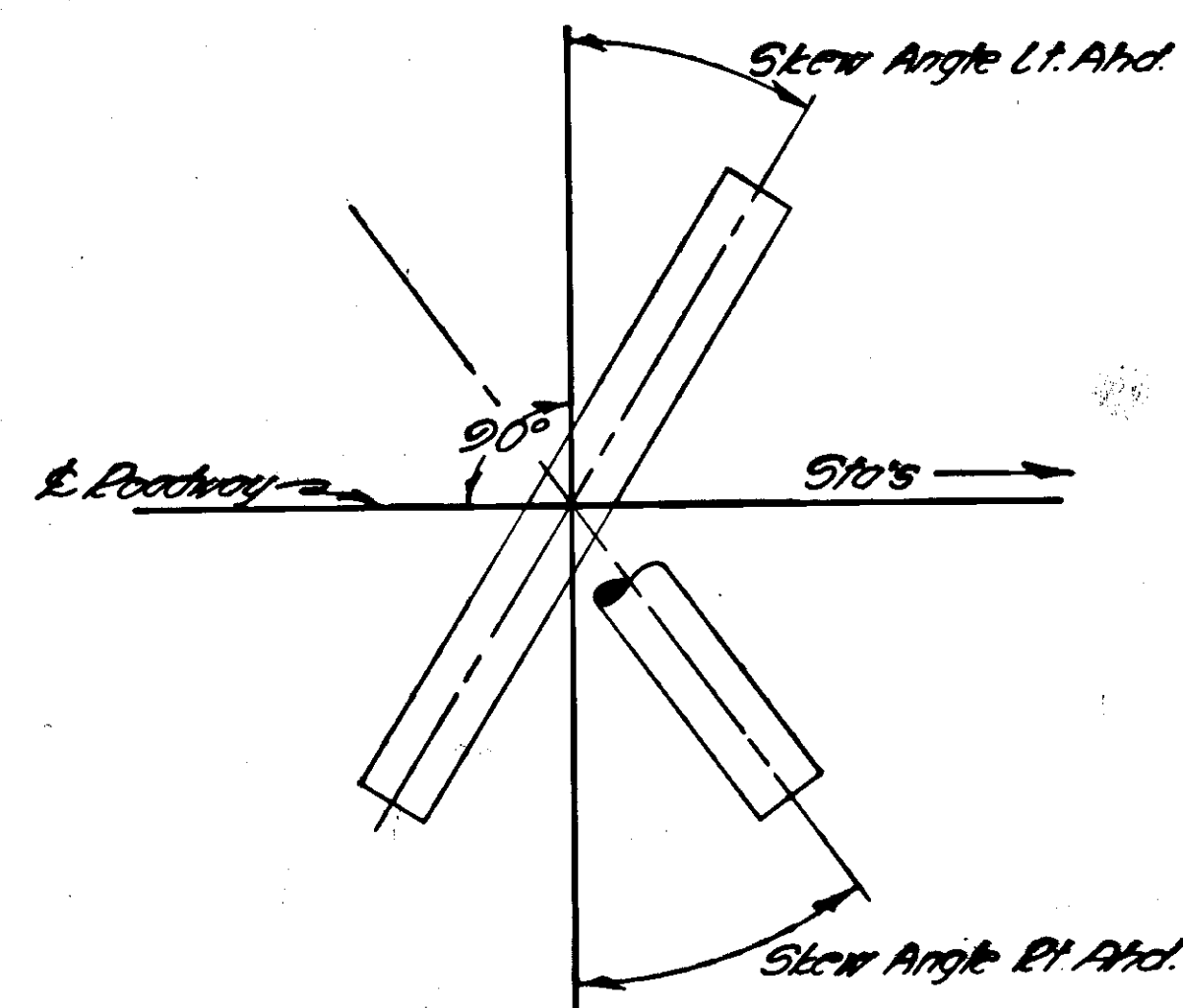


ROADWAY TRANSITION DETAIL
Sta. "O" 126+39.15 to "O" 127+87.17

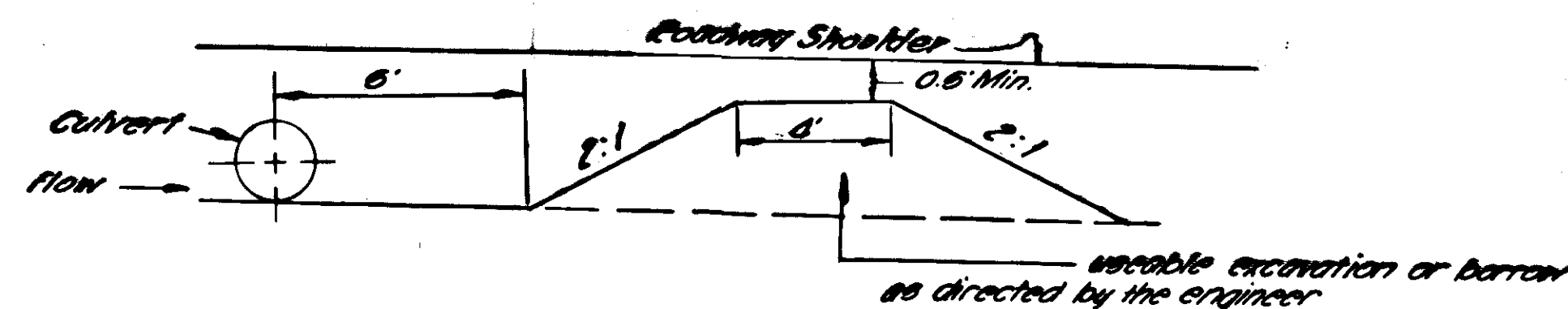


ROADWAY SLOPE PROTECTION DETAIL

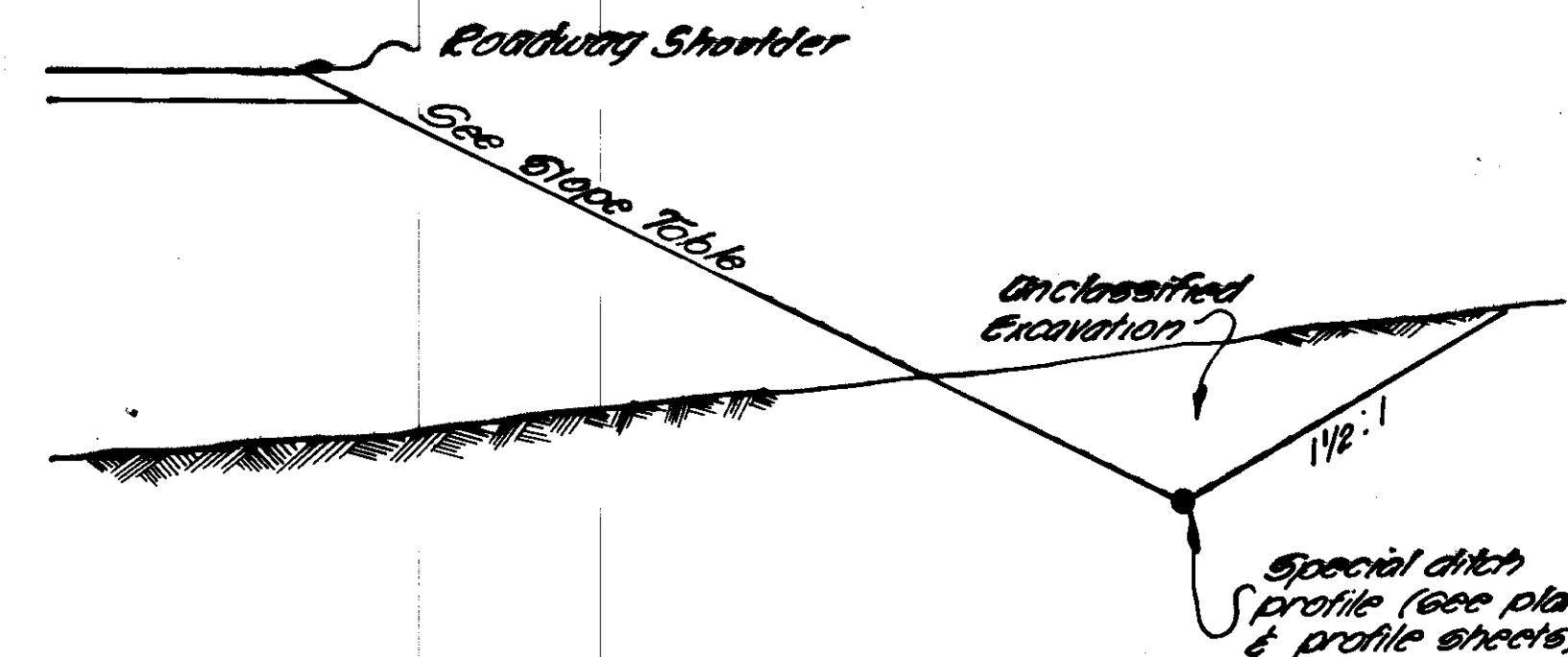
DRAINAGE DETAILS



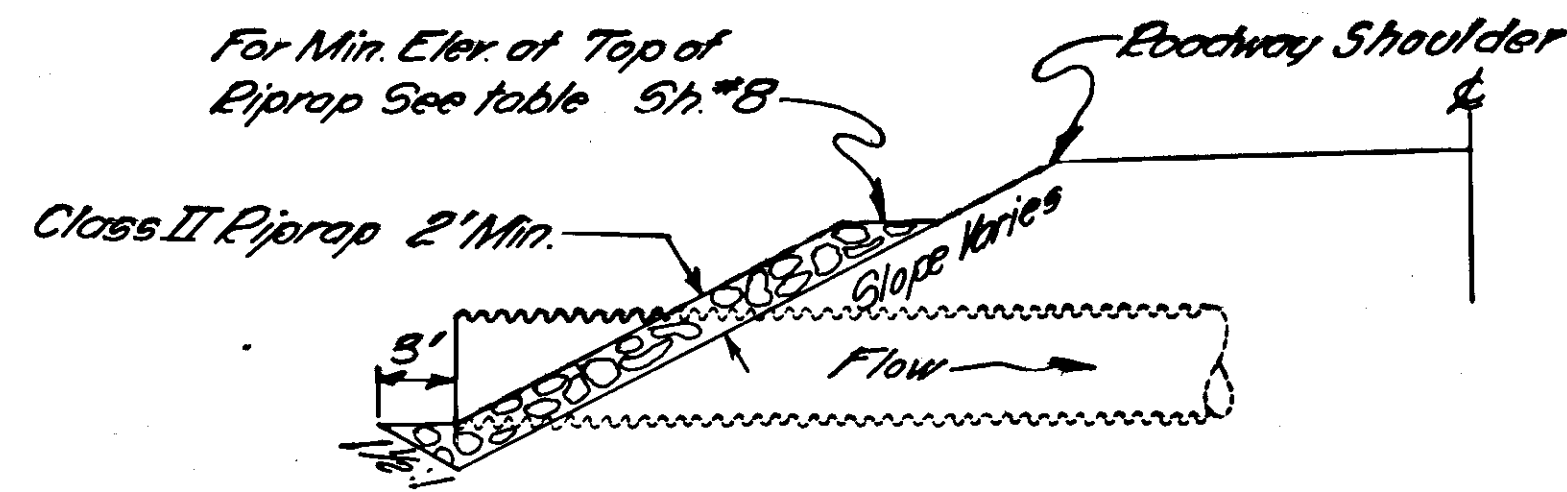
CULVERT SKEW DETAIL



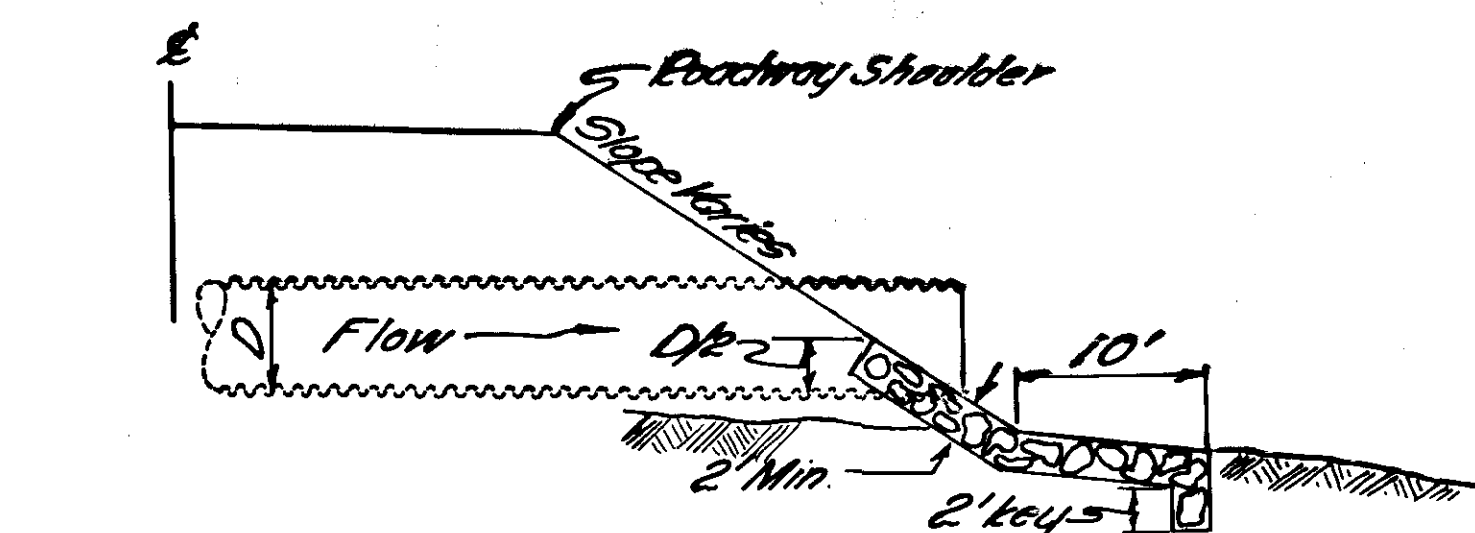
DITCH BLOCK DETAIL



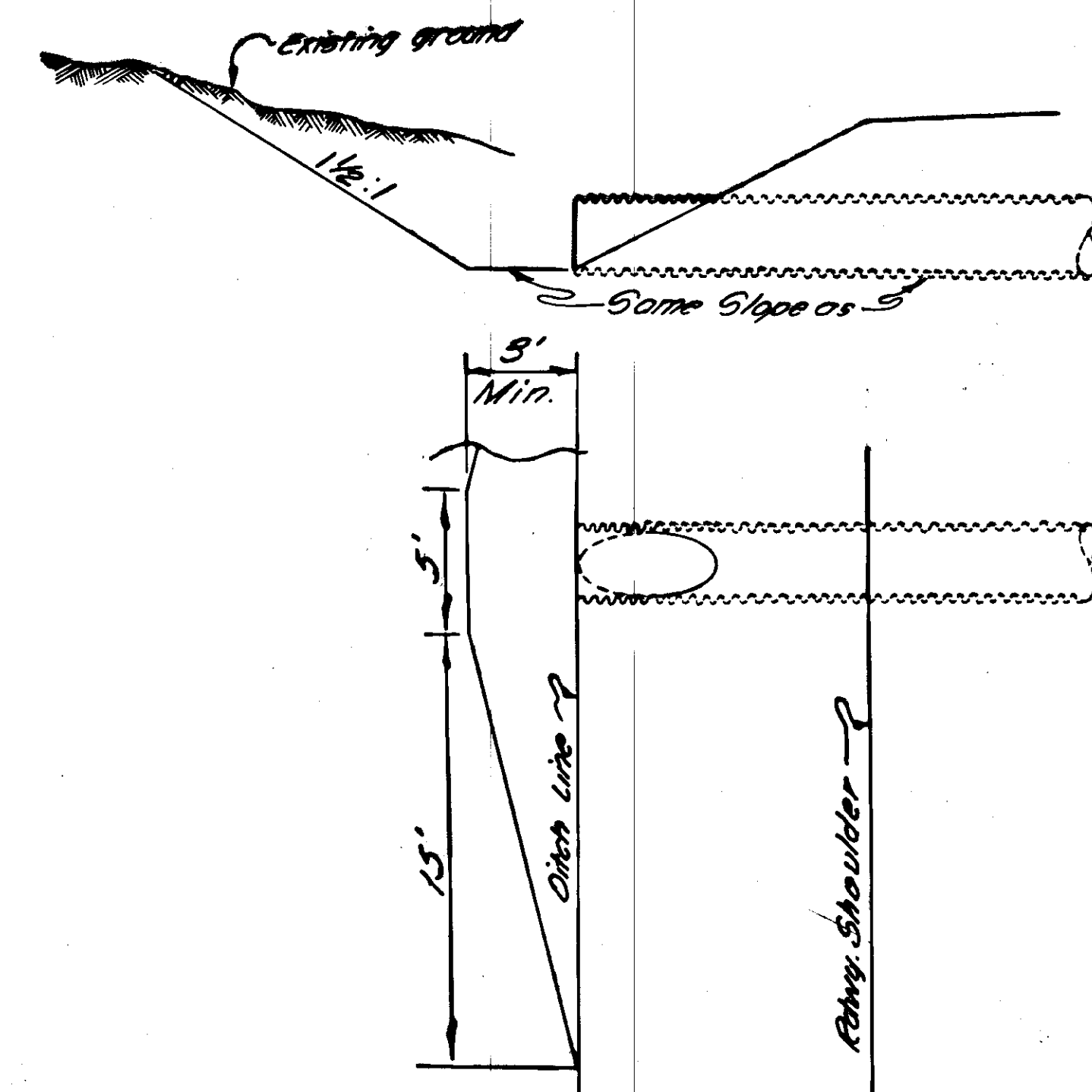
SPECIAL DITCH DETAIL



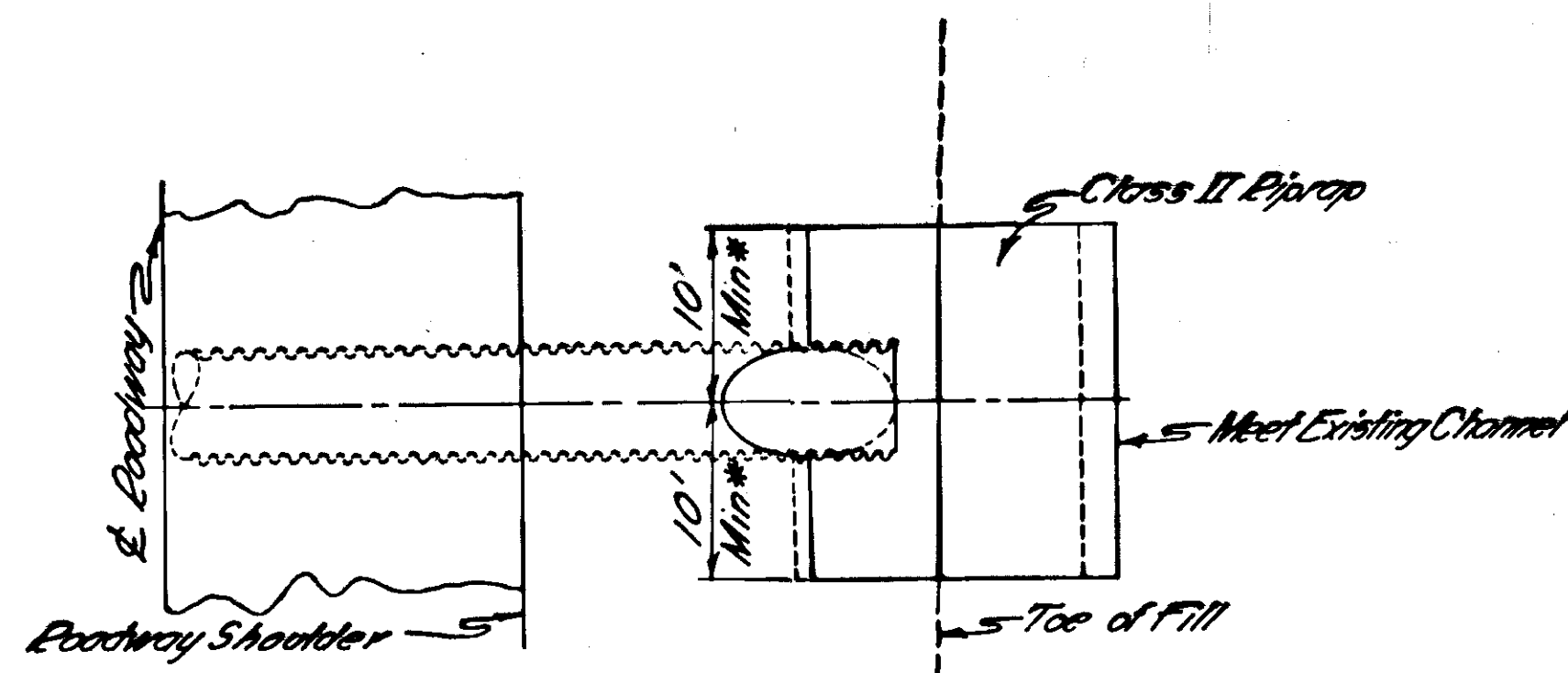
CULVERT INLET PROTECTION DETAIL



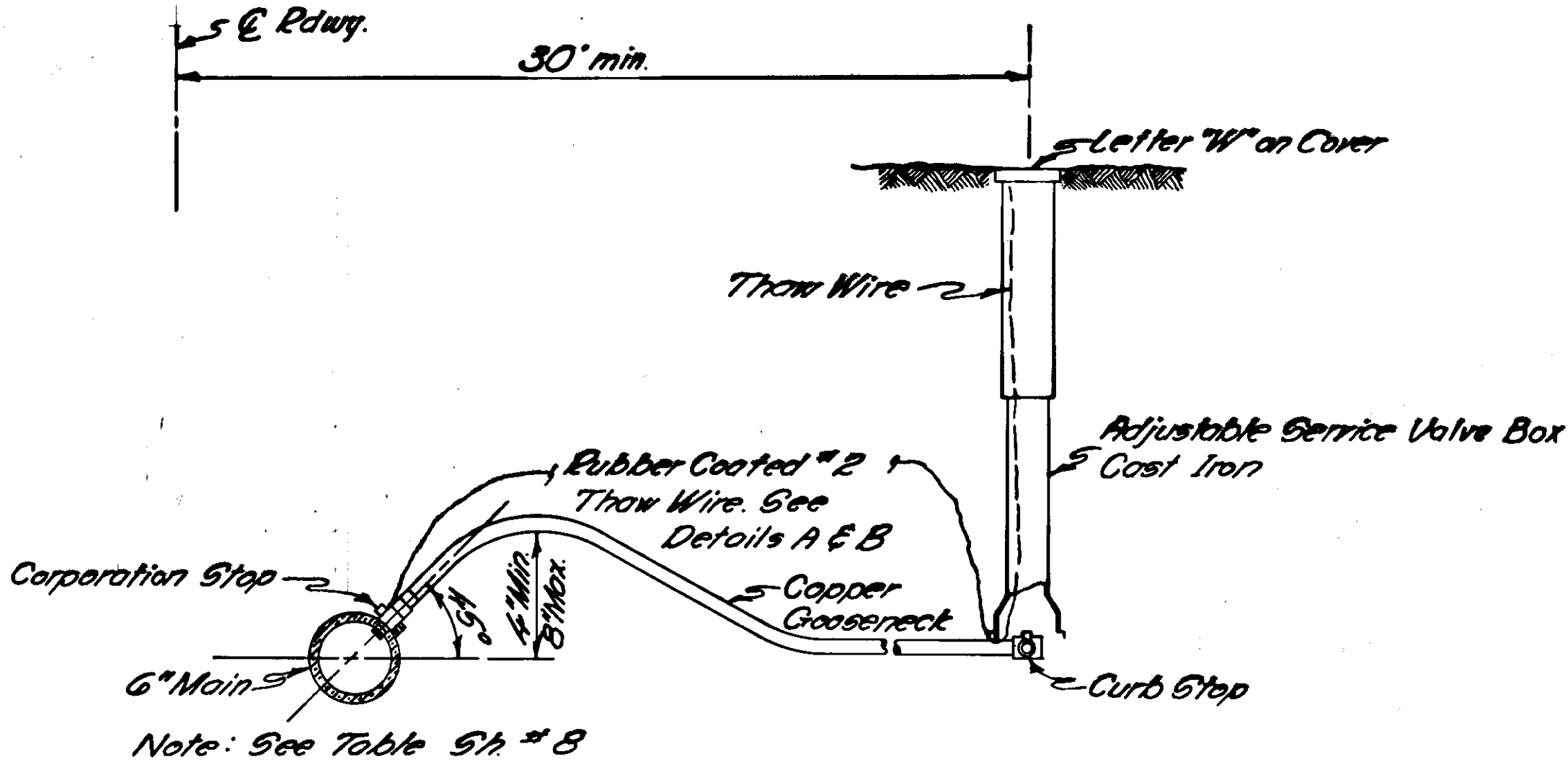
CULVERT OUTLET PROTECTION DETAIL



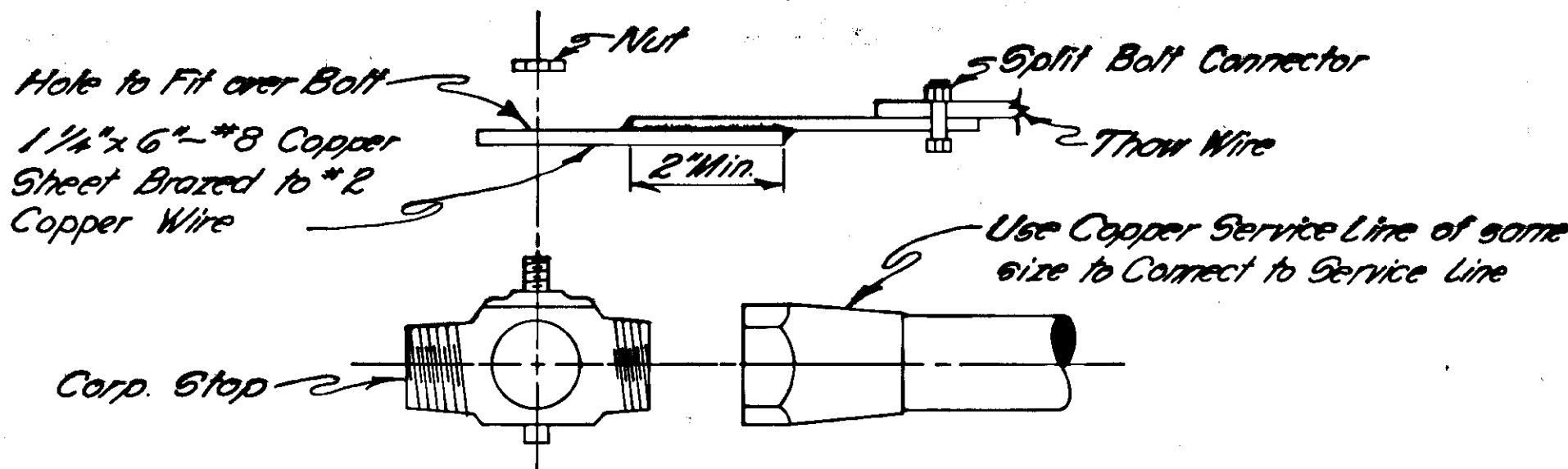
CULVERT INLET DETAIL



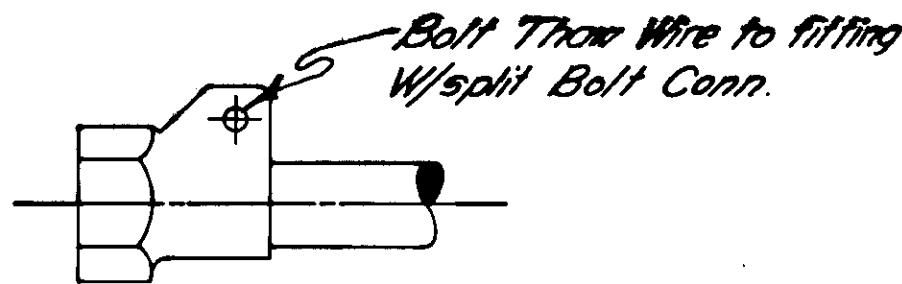
* Width of riprap shall be D+20' when 'D' is greater than 72".



WATER SERVICE CONNECTION DETAIL



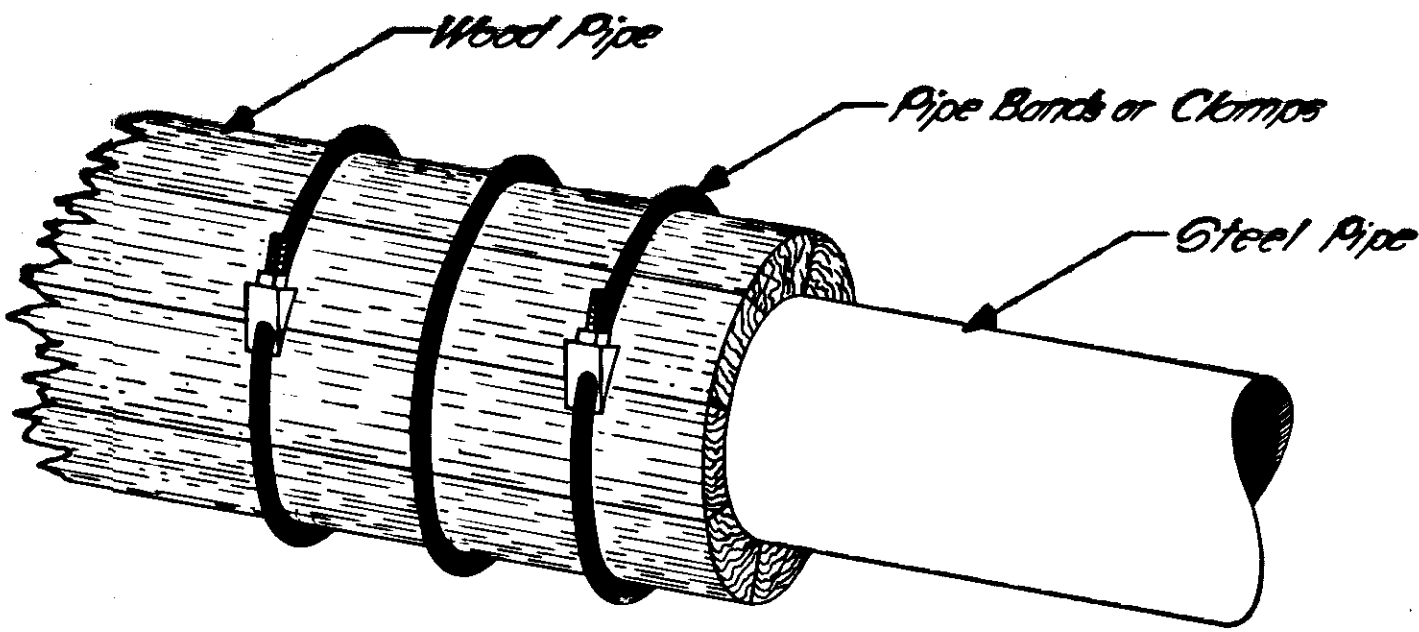
THAW WIRE CONNECTION-DETAIL "A"



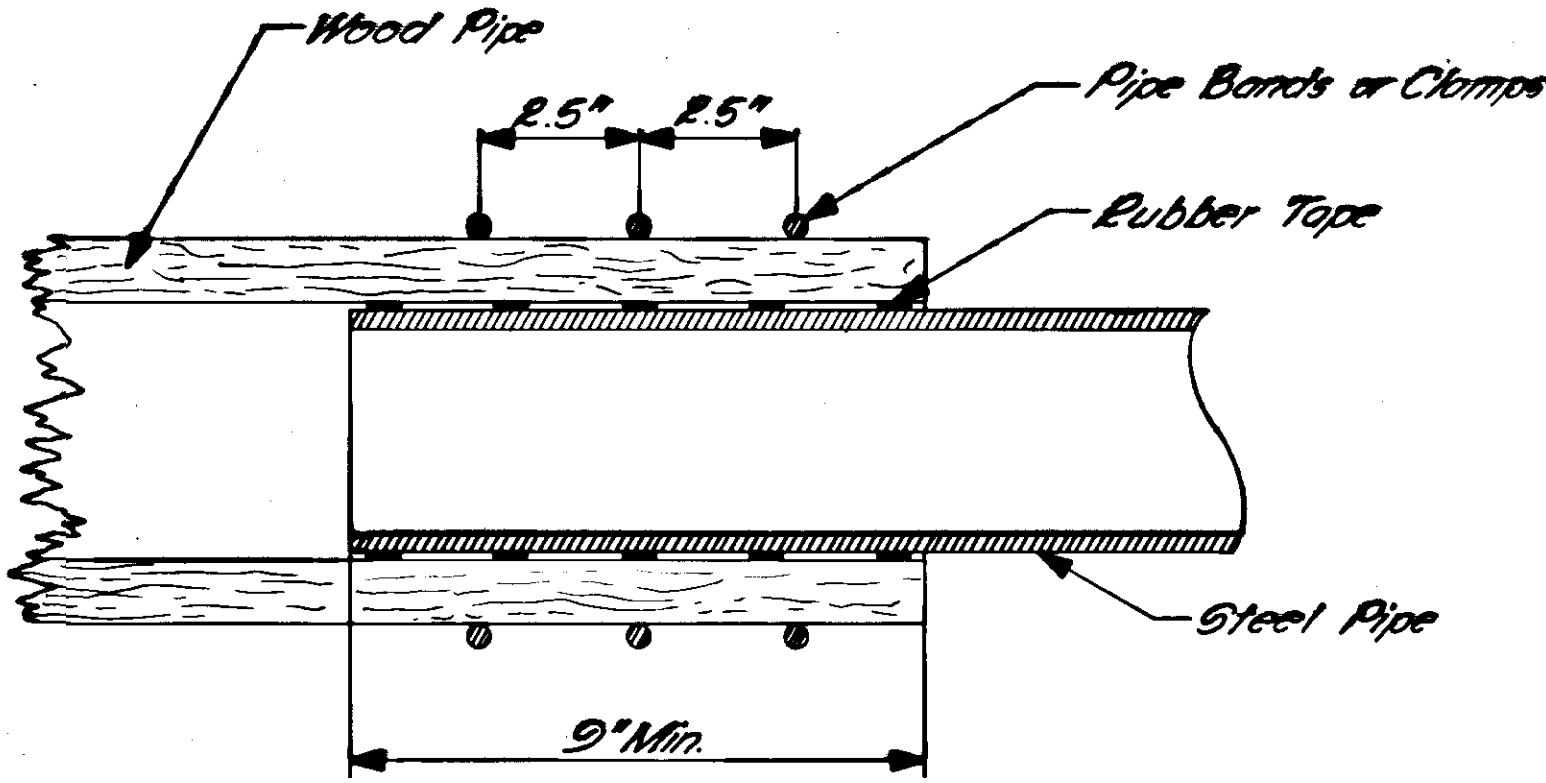
ALTERNATE THAW WIRE CONNECTION
DETAIL "B"

PIPE SIZE TABLE

Wood Stave Pipe	Steel Pipe	
O.D.	I.D.	Nom. Dia.
4"	2"	1 1/2"
5"	3"	2 1/2"
6 1/8"	4"	3 1/2"



WOOD PIPE TO STEEL CONNECTION



TYPICAL SECTION

NOTES:

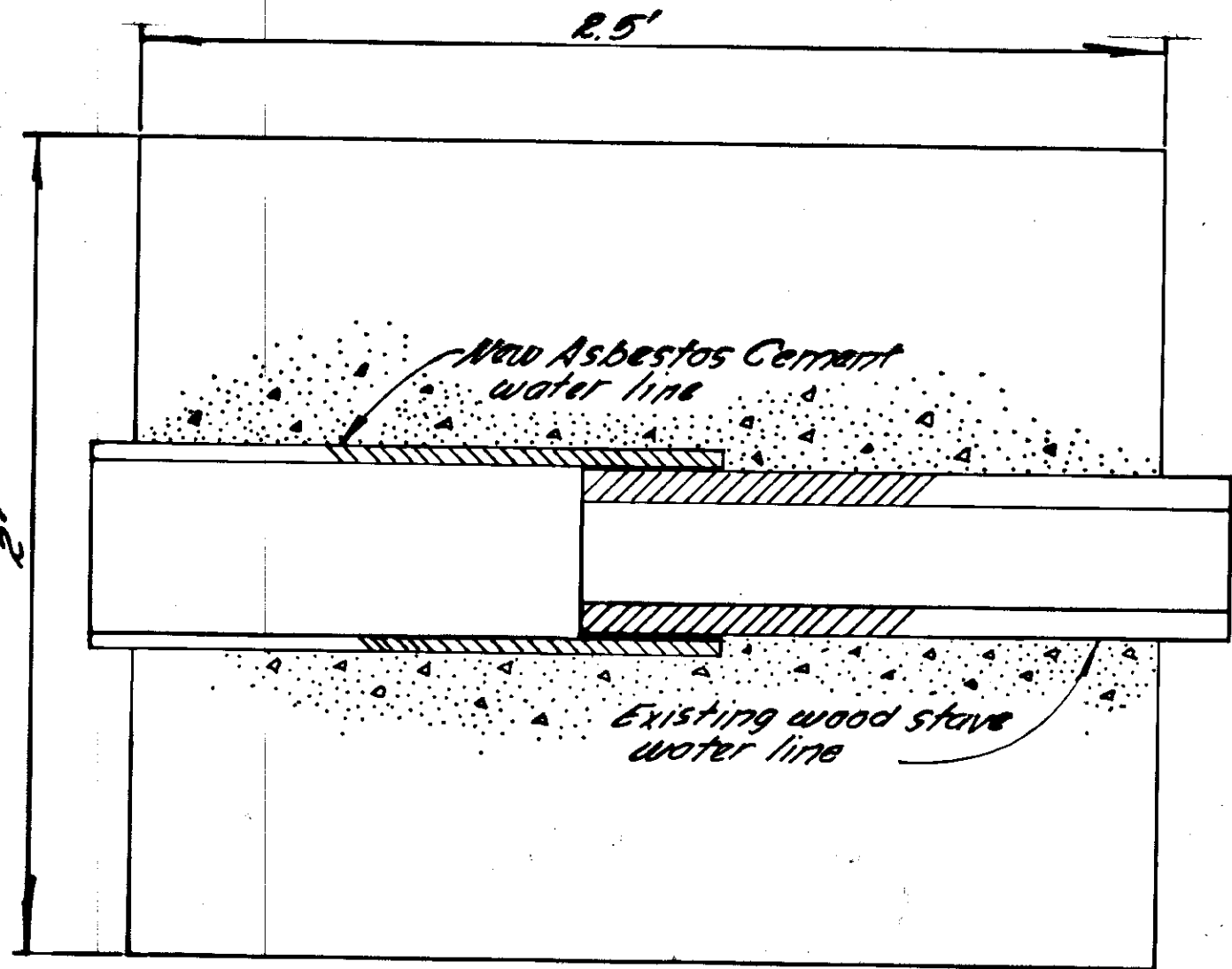
The wire wrapping on the wood pipe shall be unwound a sufficient distance to allow wood staves to be slightly sprung. Around the galvanized steel pipe which is to be placed inside the wood pipe, one or two layers of soft rubber electricians tape shall be wrapped. These wrappings shall not be spiraled. The wrappings shall be two inches center to center. The steel pipe shall then be inserted in the wood stave pipe which shall in turn be clamped tightly to form a water tight seal.

The existing water lines, at Sta. L₁" 115+58 and Sta. L₁" 136+90, specified on plans to be replaced shall be replaced with steel pipe, A.S.T.M. Specification A-53, Standard Weight pipe or equivalent.

All equipment, labor, and materials necessary to complete the work as specified shall be included in the bid price for linear ft. of steel pipe.

WOOD PIPE TO STEEL CONNECTION

Station	Distance	Steel Pipe Size
"L ₁ " 115+10	45' L.F.	1 1/2"
"L ₁ " 115+55	60' L.F.	1 1/2"
"L ₁ " 116+60	45' L.F.	1 1/2"
"L ₁ " 136+75	35' L.F.	3 1/2"
"L ₁ " 137+50	50' L.F.	3 1/2"

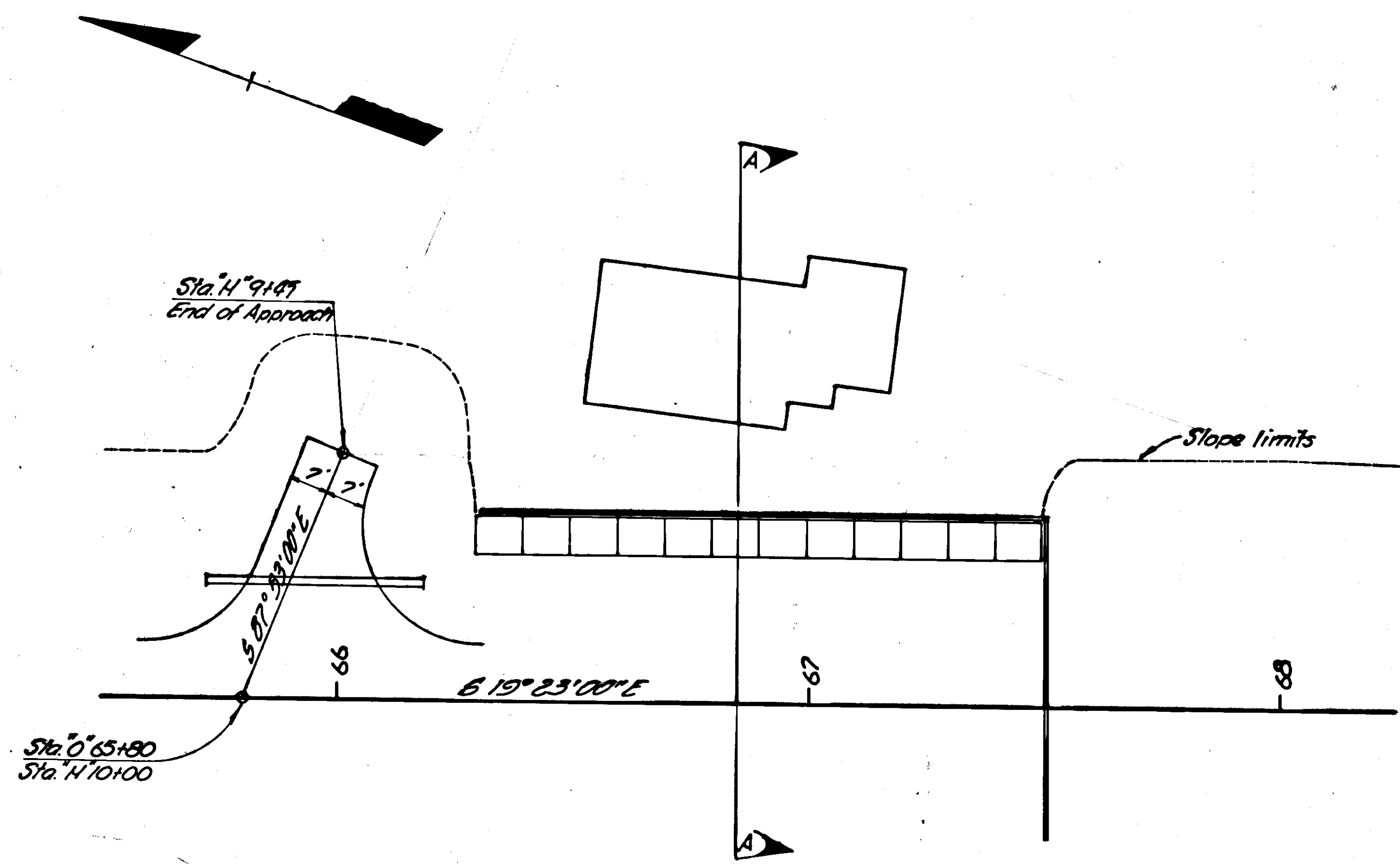


TYPICAL CONNECTION DETAIL
ASBESTOS CEMENT TO WOOD
STAVE

Note: Construct concrete collar 2' deep. Existing wood stave conduit shall be shored, if necessary, and the joint packed with lead wool and oakum as directed by the engineer. All equipment, labor and materials necessary to complete the work as specified shall be included in the bid price for other items of work.

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	S-0937(9)	1968	41	97

CRIB WALL DETAIL
STA.'0'66+29 TO '0'67+49

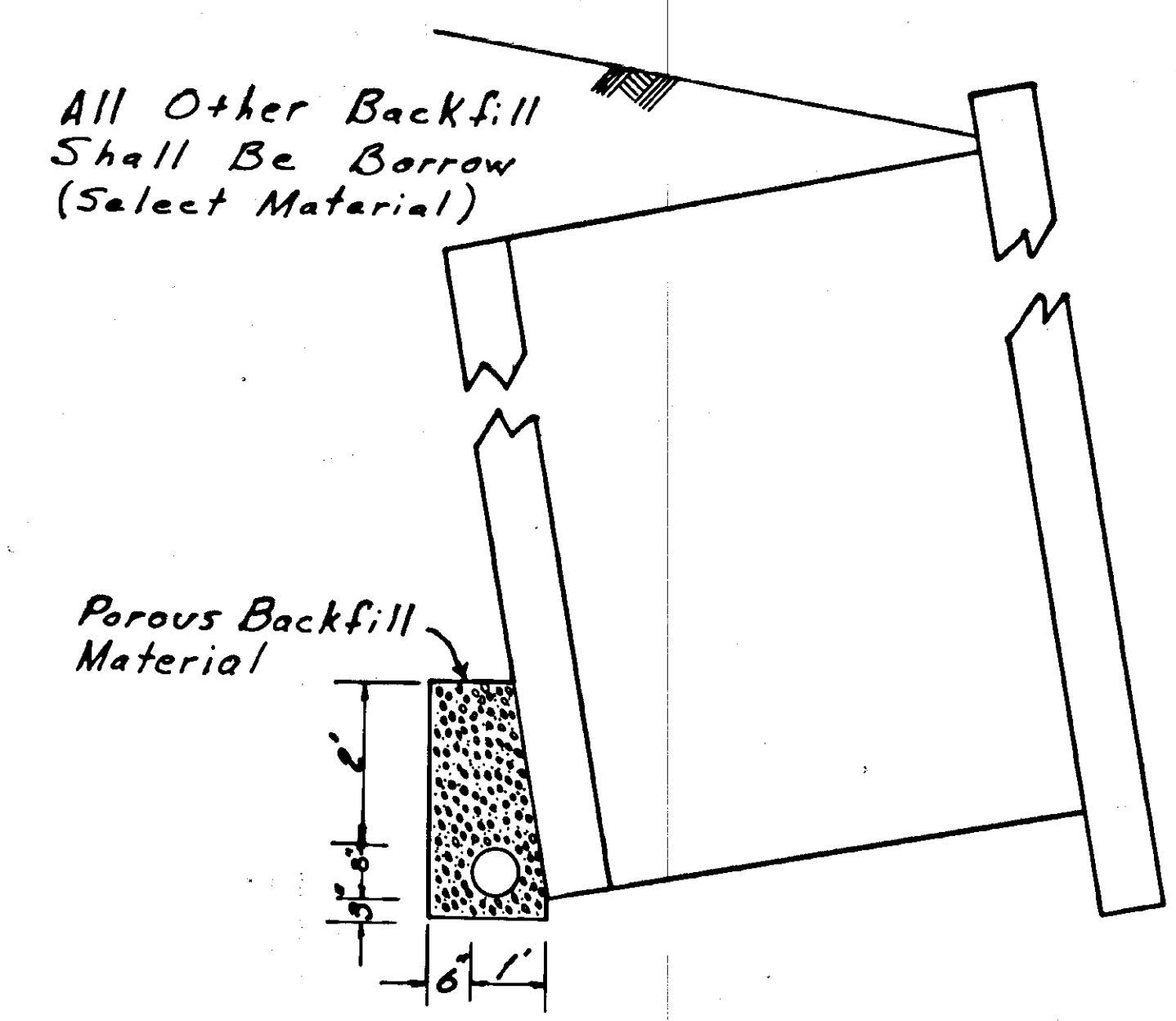


Type B Wall
 Length 120'
 Height 14.67'
 Base Width 7.7'
 Curvature None
 Batter 1:6

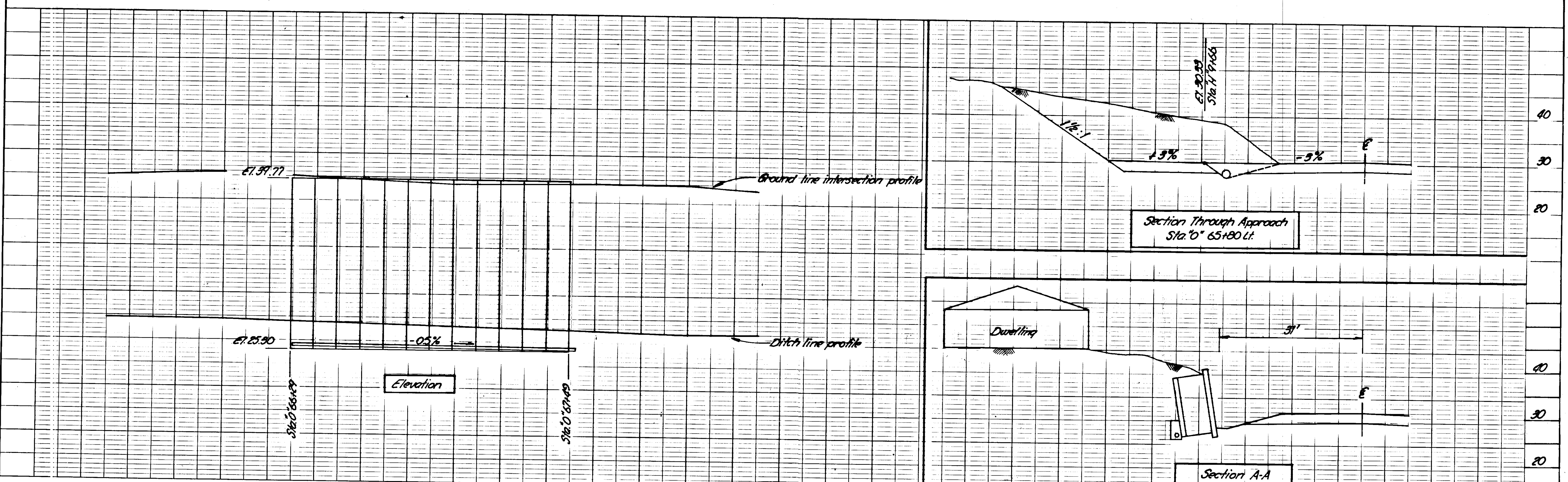
See sheet 43 for design data.
 See sheet 44 for standard details

Sta. 0'66+30 to Sta. 0'67+70
 install 8"x120" perforated pipe
 underdrain at rear of wall. See Detail

Sta. 0'67+50 Lt.
 install 8"x68" pipe conduit
 connect to underdrain to provide
 drainage.

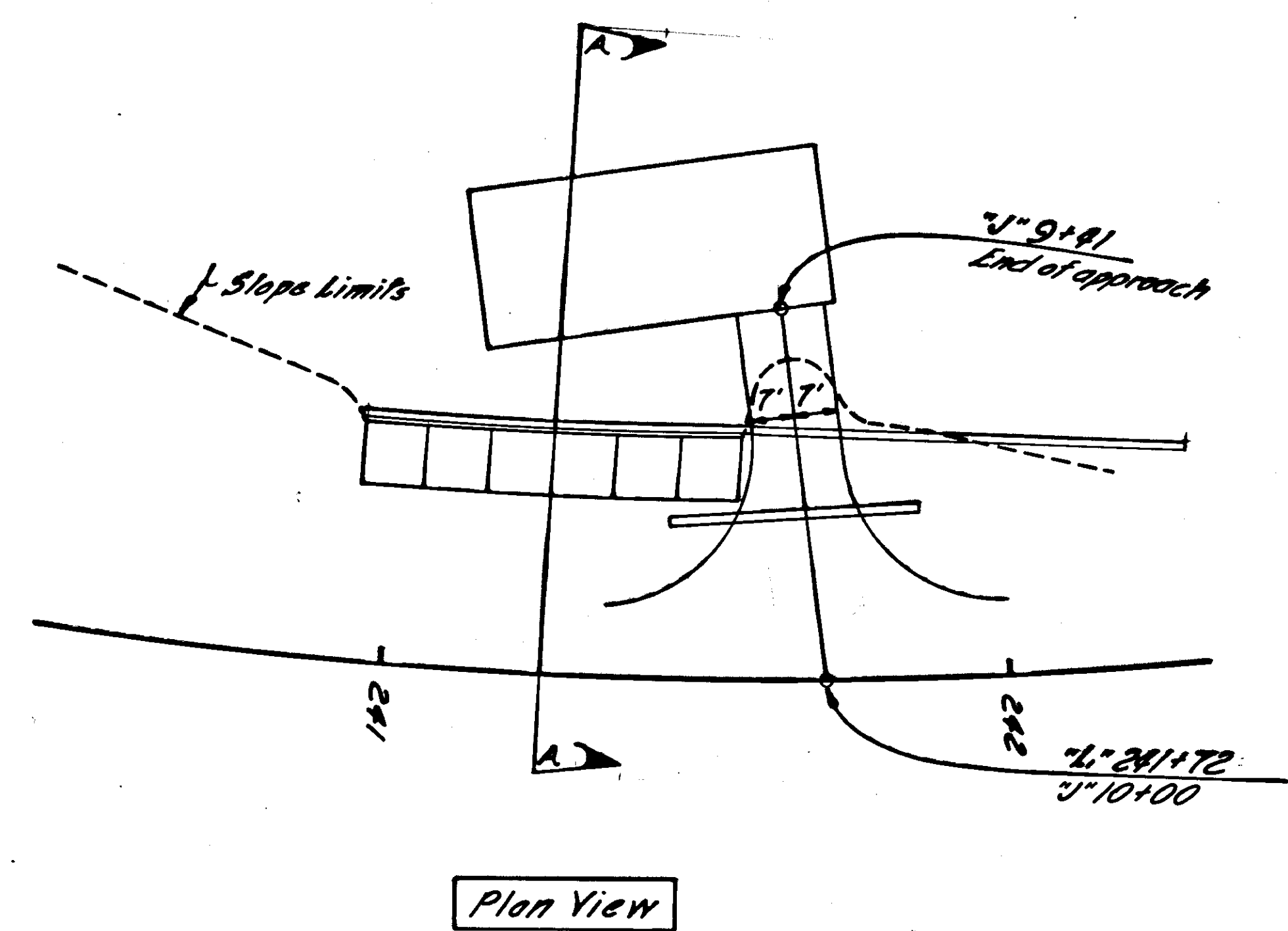


Underdrain Detail

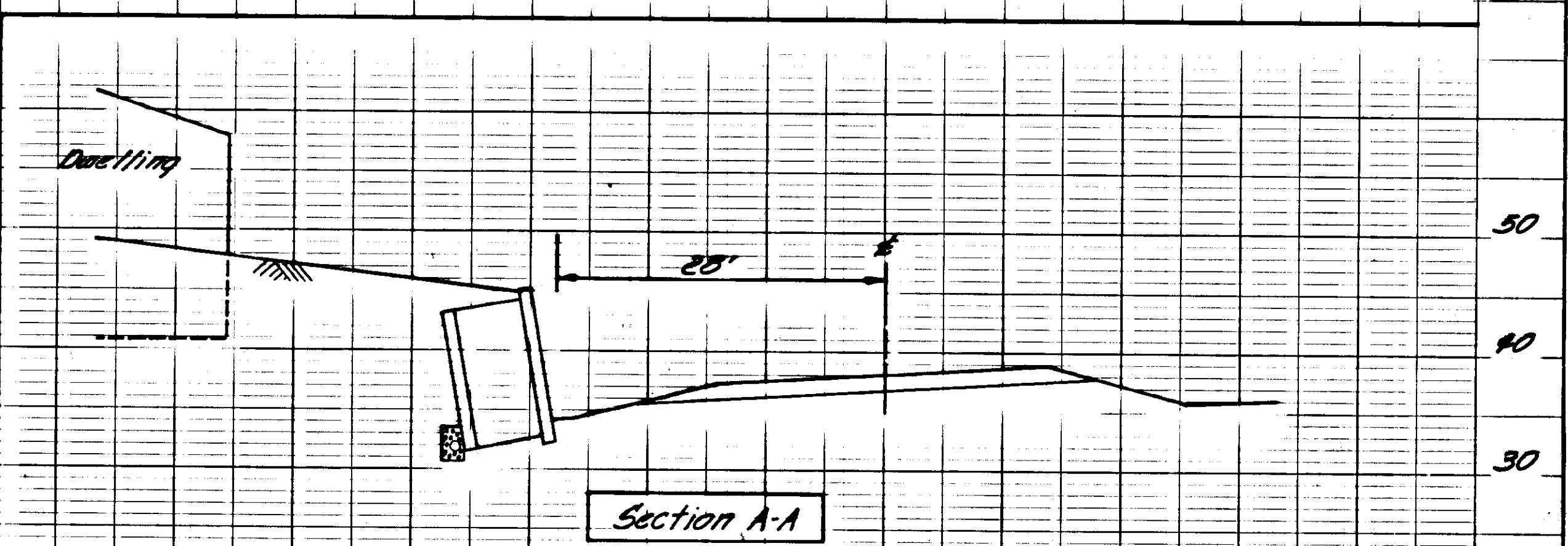
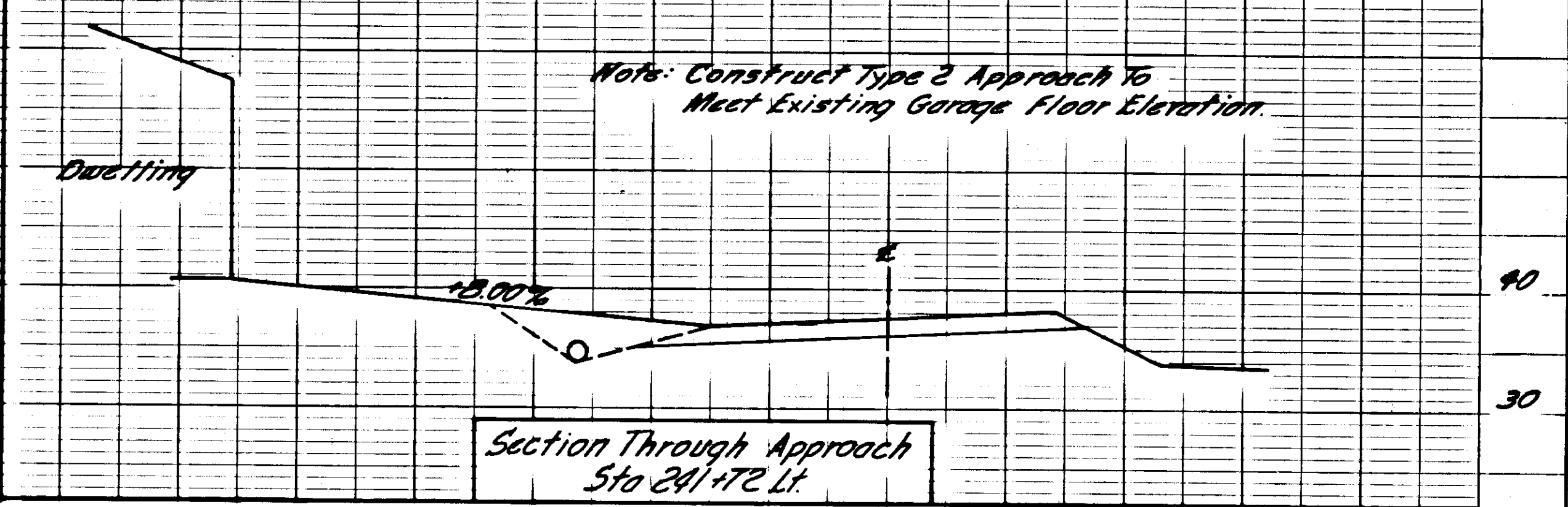
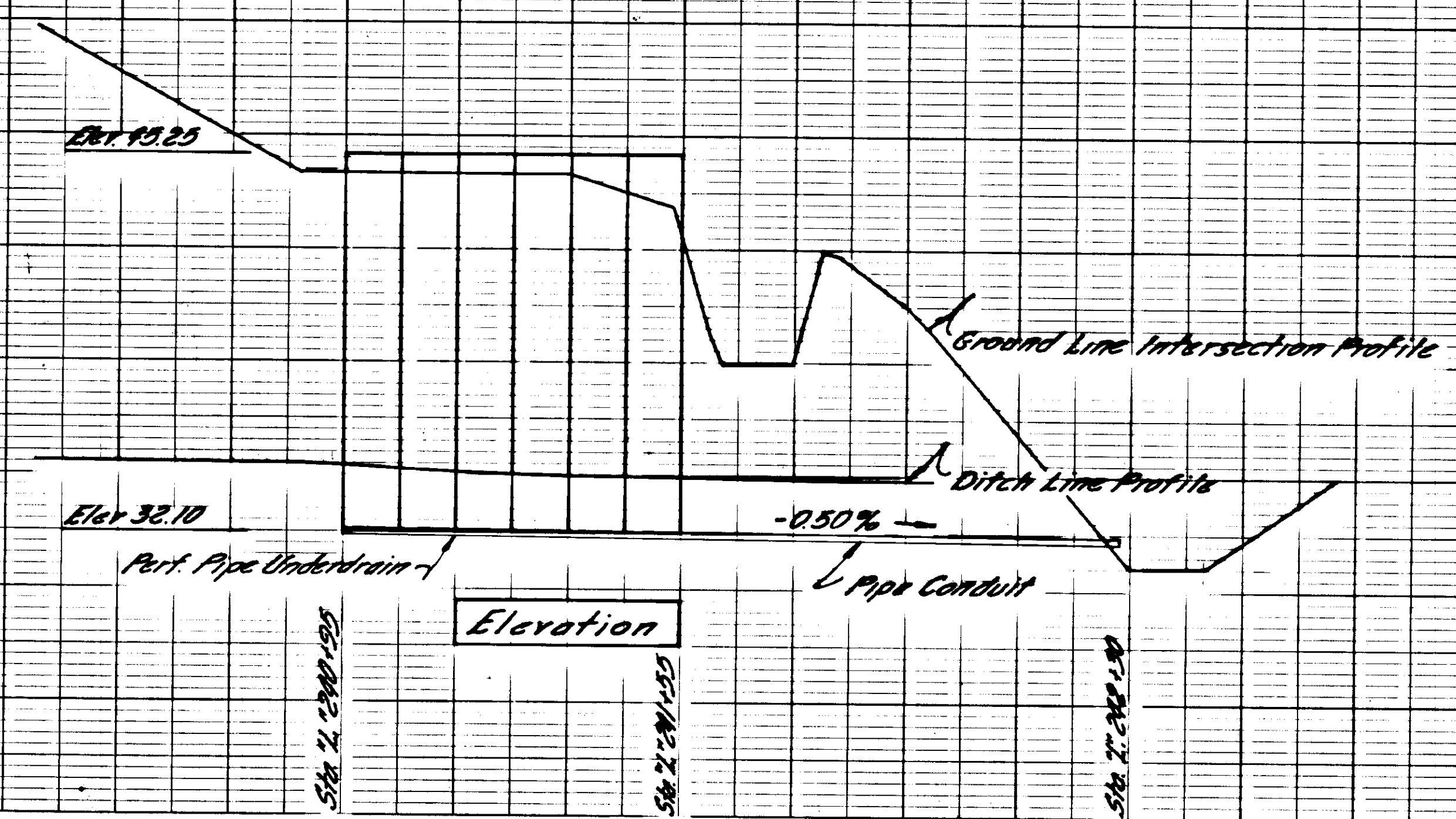
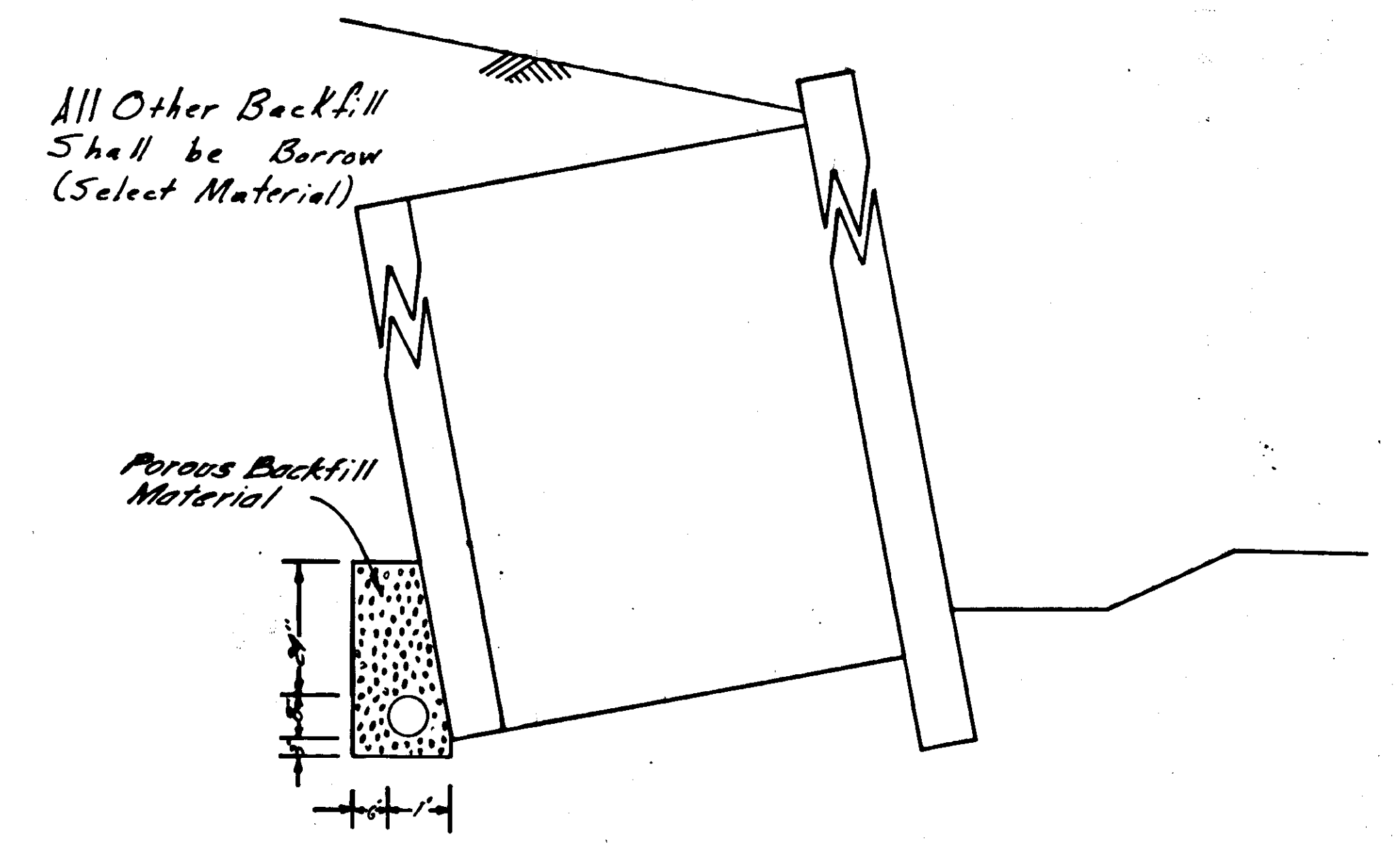


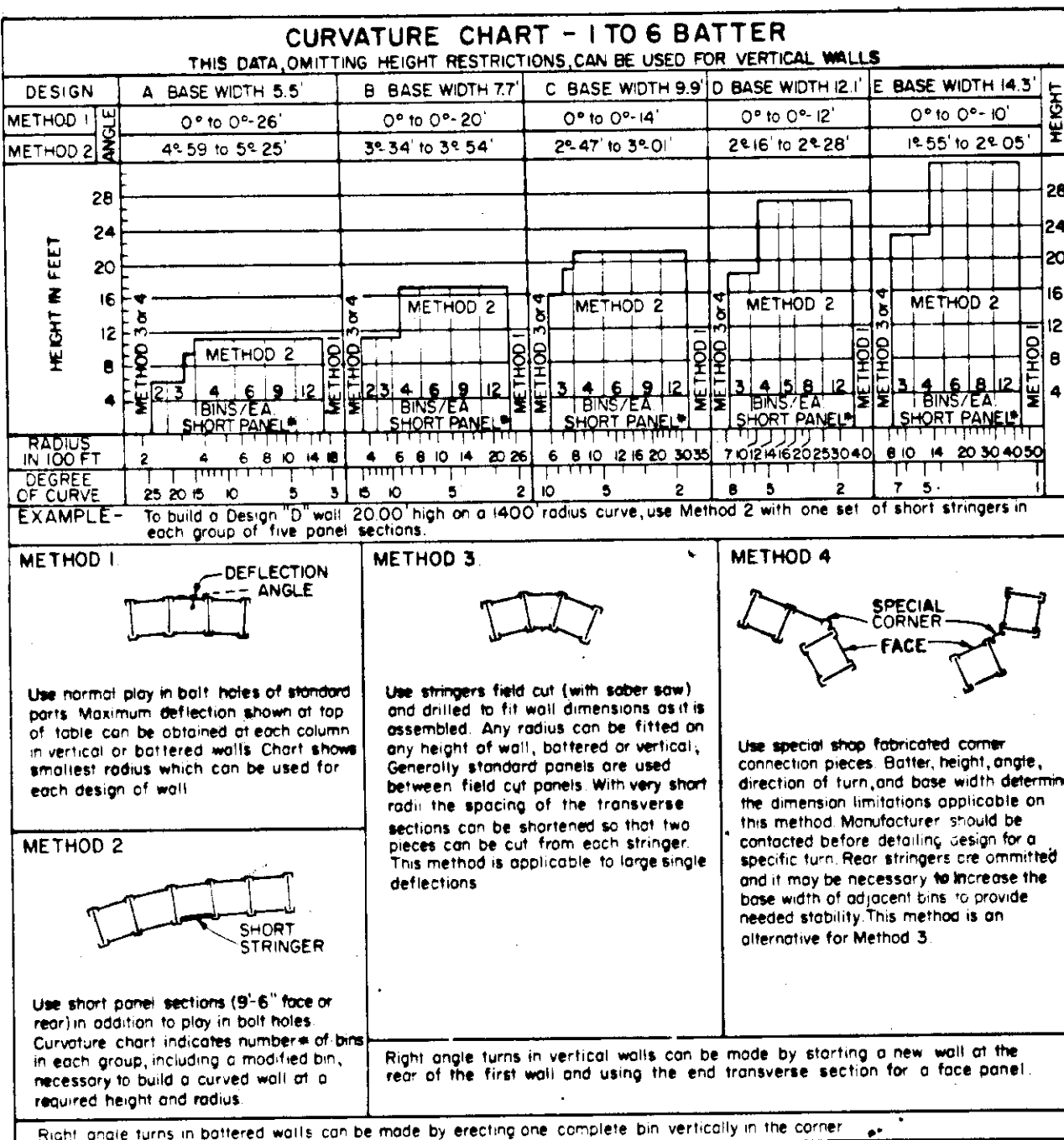
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	S-0937(9)	1968	42	97

CRIB WALL DETAIL
STA. "L" 240+95 TO "L" 241+55



Type B Wall
Length: 60'
Height: 13.33'
Base Width: 7.7'
Radius Curvature: 600'
Curvature Method 2
Batter 1:6
See Sheet 43 for Design Data
See Sheet 44 for Standard Details
Sta. "L" 240+95 To "L" 241+55
Install 8" x 60' Perf. Pipe Underdrain
at Rear of Wall. See Detail
Sta. "L" 241+55 To "L" 242+30
Install 8" x 75' Pipe Conduit.
Connect to Underdrain to Provide
Drainage.





NOTE - Use Chart X and Table Y shown on Standard Details to determine base width to height ratio for the various surcharges on both vertical and battered walls.

UNITS REQUIRED PER SHORT PANEL SECTION																				
WALL HEIGHT	SHORT STRINGERS IN FRONT OF WALL										SHORT STRINGERS IN REAR OF WALL									
	16 Ga		14 Ga		12 Ga		10 Ga		Std Str	16 Ga		14 Ga		12 Ga		10 Ga		Std Str		
	Std	Short	Std	Short	Std	Short	Std	Short		Std	Short	Std	Short	Std	Short	Std	Short			
FEET	9.5'	9.0'	9.5'	9.0'	9.5'	9.0'	9.5'	9.0'	Std Str	9.5'	9.0'	9.5'	9.0'	9.5'	9.0'	9.5'	9.0'	Std Str		
4.00	1	3							1	3	1									
5.33	2	4							1	4	2									
6.67	3	5							1	5	3									
8.00	4	6							1	6	4									
9.33	5	7							1	7	5									
10.67	6	8							1	8	6									
12.00	6	8							1	8	6									
13.33	6	8	2	2					1	8	6	2	2							
14.67	6	8	3	3					1	8	6	3	3							
16.00	6	8	4	4					1	8	6	4	4							
17.33	6	8	4	4	1	1			1	8	6	4	4	1	1					
18.67	6	8	4	4	2	2			1	8	6	4	4	2	2					
20.00	6	8	4	4	3	3			1	8	6	4	4	3	3					
21.33	6	8	4	4	4	4			1	8	6	4	4	4	4					
22.67	6	8	4	4	5	5			1	8	6	4	4	5	5					
24.00	6	8	4	4	6	6			1	8	6	4	4	6	6					
25.33	6	8	4	4	7	7			1	8	6	4	4	7	7					
26.67	6	8	4	4	7	7	1	1	1	8	6	4	4	7	7	1	1			
28.00	6	8	4	4	7	7	2	2	1	8	6	4	4	7	7	2	2			
29.33	6	8	4	4	7	7	3	3	1	8	6	4	4	7	7	3	3			
30.67	6	8	4	4	7	7	4	4	1	8	6	4	4	7	7	4	4			

NOTE- This table applies only to short panel sections for curved walls and includes units for both front and rear of a 9.5' element of wall.

UNITS REQUIRED PER TRANSVERSE SECTION																			UNITS REQUIRED PER PANEL SECTION									
WALL HEIGHT FEET	BEARING PLATE 16" x 22"	FRONT COLUMN HEIGHT IN FEET				REAR COLUMN HEIGHT IN FEET				Total Col Length in Feet	Column Splice	Column Cap	SPACERS Gage & Length				BOT SPACER Gage & Length				STRINGERS				Str. S't.	WALL HEIGHT FEET		
		1st Lift	2nd Lift	3rd Lift	Total Height	1st Lift	2nd Lift	3rd Lift	Total Height				16	16	14	12	12	16	16	14	12	12	16 Ga	14 Ga			12 Ga	10 Ga
4.00	2	4.00			4.00	1.33			1.33	5.33													4			4.00		
5.33	2	5.33			5.33	2.67			2.67	8.00													6			5.33		
6.67	2	6.67			6.67	4.00			4.00	10.67			2										8			6.67		
8.00	2	8.00			8.00	5.33			5.33	13.33			3										10			8.00		
9.33	2	9.33			9.33	6.67			6.67	16.00			4										12			9.33		
10.67	2	10.67			10.67	8.00			8.00	18.67					5								14			10.67		
12.00	2	12.00			12.00	9.33			9.33	21.33					6								14	2		12.00		
13.33	2	8.00	5.33		13.33	10.67			10.67	24.00					7								14	4		13.33		
14.67	2	8.00	6.67		14.67	12.00			12.00	26.67							8						14	6		14.67		
16.00	2	8.00	8.00		16.00	8.00	5.33		13.33	29.33							9						14	8		16.00		
17.33	2	12.00	5.33		17.33	8.00	6.67		14.67	32.00													14	8		17.33		
18.67	2	12.00	6.67		18.67	8.00	8.00		16.00	34.67													14	8	4	18.67		
20.00	2	12.00	8.00		20.00	12.00	5.33		17.33	37.33													14	8	6	20.00		
21.33	2	12.00	9.33		21.33	12.00	6.67		18.67	40.00													14	8	8	21.33		
22.67	2	12.00	10.67		22.67	12.00	8.00		20.00	42.67													14	8	10	22.67		
24.00	2	12.00	12.00		24.00	12.00	9.33		21.33	45.33													14	8	12	24.00		
25.33	2	12.00	8.00	5.33	25.33	12.00	10.67		22.67	48.00													14	8	14	25.33		
26.67	2	12.00	8.00	6.67	26.67	12.00	12.00		24.00	50.67													14	8	14	26.67		
28.00	2	12.00	8.00	8.00	28.00	12.00	8.00	5.33	25.33	53.33													14	8	14	28.00		
29.33	2	12.00	12.00	5.33	29.33	12.00	8.00	6.67	26.67	56.00													14	8	14	29.33		
30.67	2	12.00	12.00	6.67	30.67	12.00	8.00	8.00	28.00	58.67													14	8	14	30.67		

CH LOOP HEIGHT)

5		B		U		R		G
73		273		273		273		273
	105		105		105		0.84	
282	2087	2360	2465	2738	2843	31.16	32.00	34.73

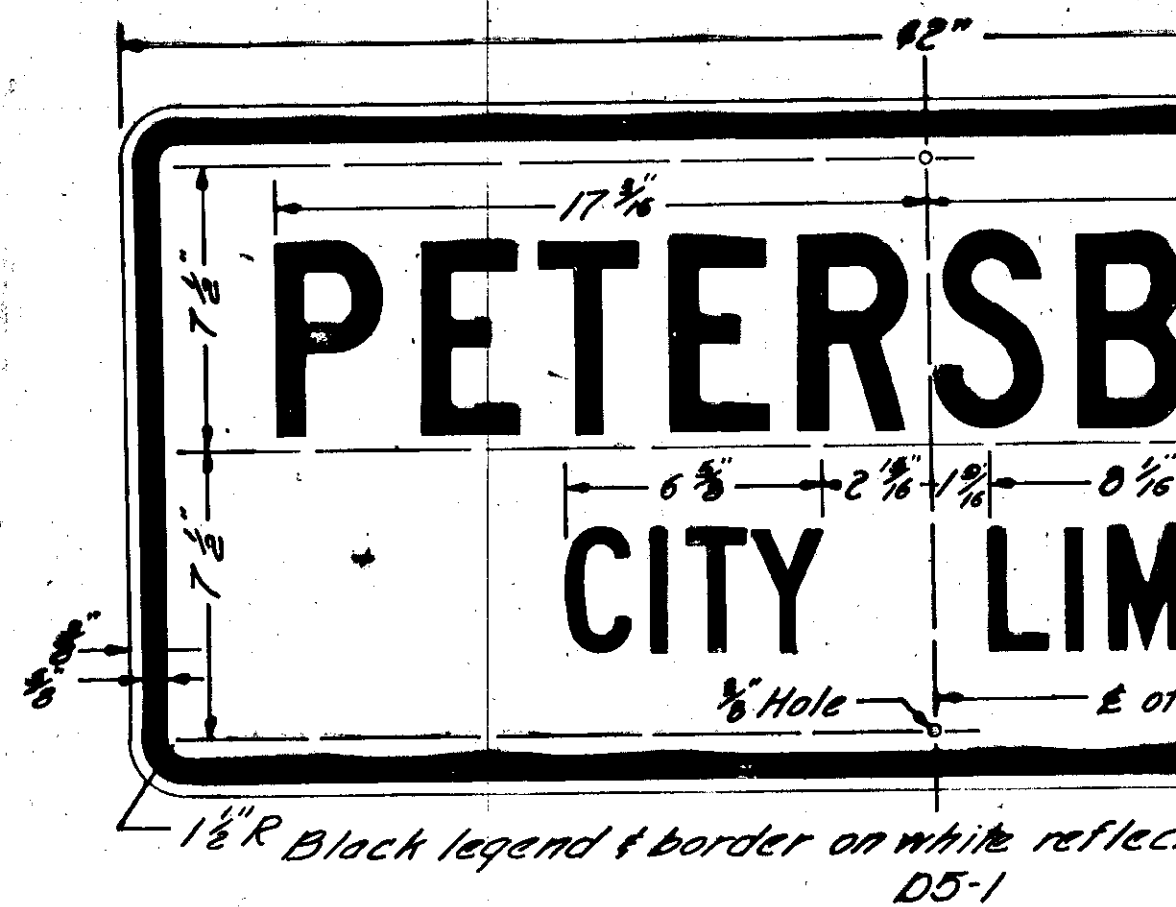
CH LOOP HEIGHT)

1		M		1		T		
42		195		0.42		1.50		
	0.63		0.63		0.50			
3.55	14.18	16.13	16.76	17.18	17.68	19.18		

CH LOOP HEIGHT)

CH LOOP HEIGHT)

--	--	--	--	--	--	--	--	--



LEGEND

SPACING

	5		C																					
	----INCH, SERIES				---CAPITALS; ----INCH LOWER CASE				(----INCH LOOP HEIGHT)															
Letter	P		E		T		E		R		S		B		U		R		G					
Letter Width	273		250		250		250		273		273		273		273		273		273					
Space width		105		056		084		084		084		105		105		105		084						
Cumulative Width	273	373	628	684	934	1018	1268	1352	1625	1709	1982	2087	2360	2465	2738	2843	3116	3200	3473					

3 INCH, SERIES C CAPITALS; ---- INCH LOWER CASE (---- INCH LOOP HEIGHT)

Letter	C		I		T		Y		L		I		M		I		T		
Letter Width	165		042		150		188		150		042		195		042		150		
Space Width		050		050		018		450		050		063		063		050			
Cumulative Width	165	215	257	307	457	475	663	1113	1263	1313	1355	1418	1613	1676	1718	1768	1918		

---- 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																			

---- INCH, SERIES ---- CAPITALS; ---- INCH LOWER CASE (---- INCH LOOP HEIGHT)

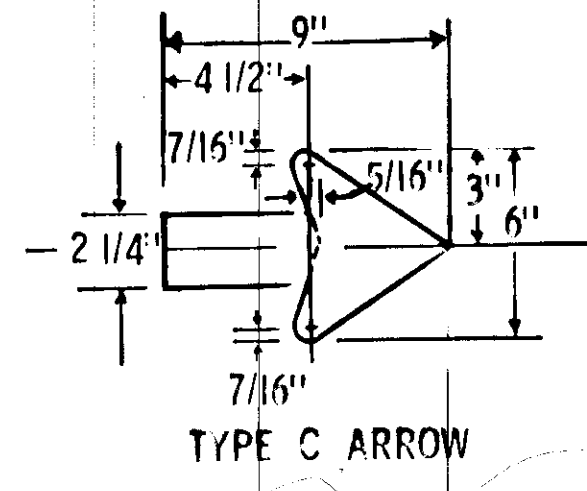
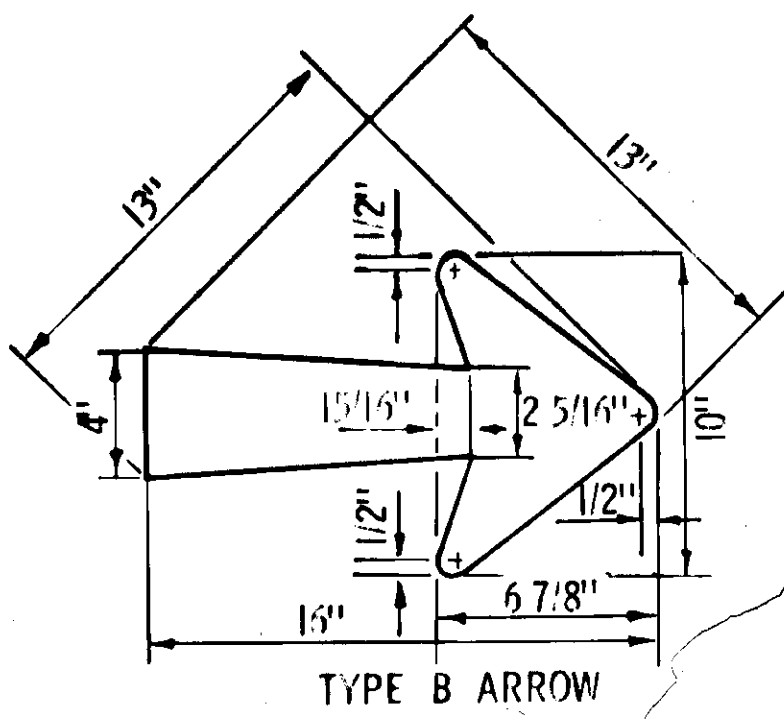
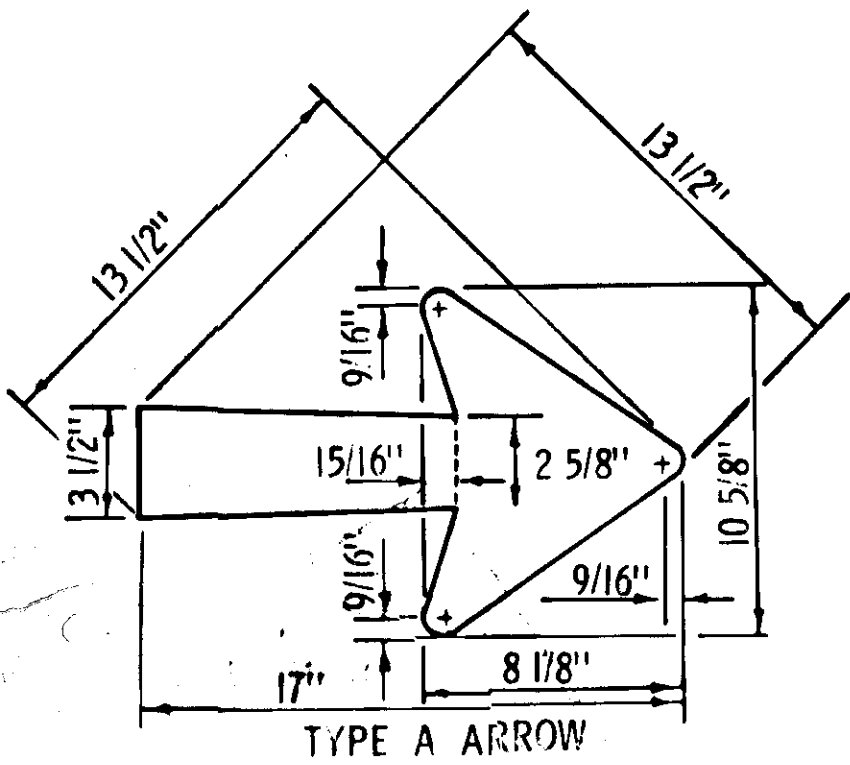
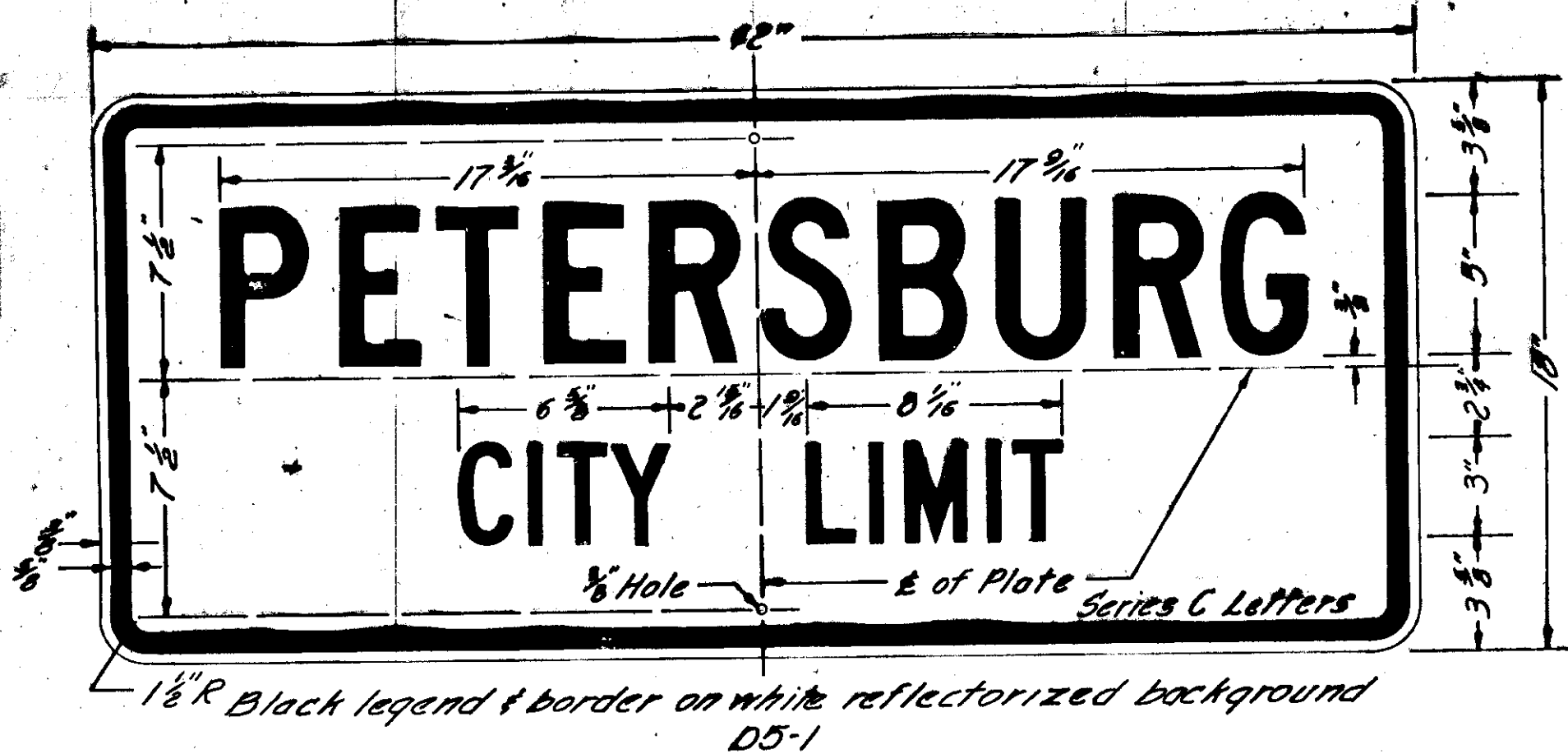
Letter																			
Letter Width																			
Space Width																			
Cumulative Width																			

---- INCH, SERIES ---- CAPITALS; ---- INCH LOWER CASE (---- INCH LOOP HEIGHT)

Letter																			
Letter Width																			
Space Width																			
Cumulative Width																			

---- INCH, SERIES ---- CAPITALS; ---- INCH LOWER CASE (---- INCH LOOP HEIGHT)

Letter																			
Letter Width																			
Space Width																			
Cumulative Width																			



SPECIAL
STANDARD SIGN
DETAILS

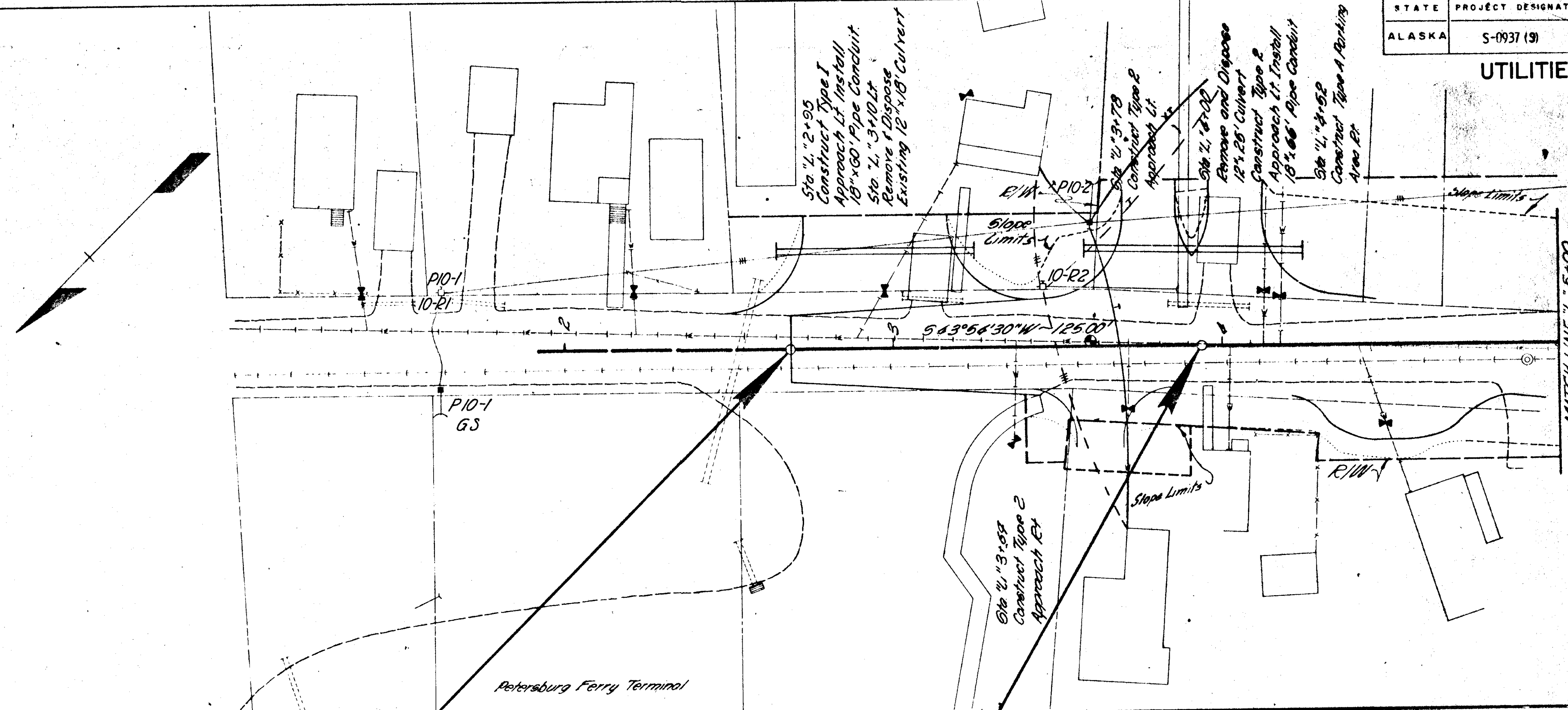
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	S-0937 (9)	1968	50	50

ITEM NO.	ITEM	UNIT	SHEET NUMBER																				Total			
			52#52A	53#53A	54#54A	55#55A	56#56A	57#57A	58#58A	59#59A	60#60A	61#61A	62#62A	63#63A	64#64A	65	66	67	68	69	70	71				
680(1A)	Poles, 55/2	Each						3														3				
680(1B)	Poles, 35/4	Each											2									2				
680(1C)	Poles, 30/4	Each						1														1				
680(3A)	Conductor, 100-22 Fig. B, Qual. Peth	Lin.Ft.	200	700	175																	1,075				
680(3B)	Conductor, 50-22 Fig. B, Qual. Peth	Lin.Ft.			340	710	915					685	1660	1385	625							6,320				
680(4A)	Down Guys and Anchors	Each			1			1					8									10				
680(4B)	Down Guys	Each		4	1	3	4	1		3		3										19				
680(4C)	Overhead Guys	Each	1	3	1	2	2	1		1	2	3		2	1							19				
680(4D)	Sidewalk Guys	Each											1									1				
680(9A)	Transfer, 50-22, Fig. B, Qual. Peth, Contacts	Each					2	6	3	3	1											15				
680(9B)	Transfer, Underground, Cable & Riser	LumpSum	1																			All Req'd.				
680(10A)	Utility Clearing (1 Unit=10,000 Sq.Ft.)	Unit											1.02									1.02				
680(11A)	Retire Poles	Each						3				5	12	9	3							32				
680(11C)	Retire Conductors	LumpSum																				All Req'd.				
680(11D)	Retire Down Guys	Each	1	2	1		4	1			1	3	2	4	3							22				
680(11E)	Retire Overhead Guys	Each		1		2		1	1		1		3									9				
681(1A)	Poles, 65/2	Each										4	6	1								12				
681(1B)	Poles, 55/2	Each					6													1		18				
681(1C)	Poles, 50/2	Each						3												6	6	3				
681(1D)	Poles, 45/2	Each	1	6	4	4			3	3	1	1										23				
681(1E)	Poles, 45/4	Each																				3				
681(1F)	Poles, 40/4	Each														1	1					4				
681(1G)	Poles, 35/4	Each		1	1							2										8				
681(1H)	Poles, 30/4	Each			3		2		1	2	4	1	1	4	1	1						22				
681(1I)	Poles, Backfill, (STM 31-A)	Each																				10				
681(2A)	Pole Top Assemblies, Primary 2# 7.2/12.5 KV	Each	1			2	7	4	5	2						1				3	7	26				
681(2B)	Pole Top Assemblies, Primary 3# 7.2/12.5 KV	Each	2	7	4	3				2	1	6	6	1						1	2	32				
681(2C)	Pole Top Assemblies, Primary 3# 14.4/24.9 KV	Each										4	6	1								24				
681(3A)	Conductor, 1/0 AAAC	Lin.Ft.	600	2100	1575	1850	2400	550	480			4680	6450	1110								31,395				
681(3B)	Conductor, #4 CU	Lin.Ft.		300																		540				
681(3C)	Conductor, 1/0 TPX	Lin.Ft.	200	530	390	305				175			815									2415				
681(3D)	Conductor, #2 TPX	Lin.Ft.	115	385	520	200	190			85	110	90	290									2405				
681(3E)	Conductor, #2 Quad	Lin.Ft.			90	115																205				
681(3F)	Conductor, CSC	Lin.Ft.										1510	2150	370								4030				
681(4A)	Down Guys W/Anchors	Each	1	4	4	1	7	4	1	3	3	5	8	4	1	1	1	3	2	1	6	8	68			
681(4B)	Down Guys	Each								1			5								2	8	8			
681(4C)	Overhead Guys	Each		3	1	2	2		1	2	3	4	2	3	1	1		1			2	1	29			
681(5A)	Transformer Assemblies, (G1)	Each		1		1	1			1	2					1			1	1		9				
681(5B)	Transformer Assemblies, (G2)	Each			1	1																2				
681(6A)	Secondary Units, (J Units)	Each		4	2	6			2			3	7	3		1	2	2	2		2	2	38			
681(7A)	Service Assemblies, (K Units)	Each	2	2	7	1	2		1	2	3	2							1	1		24				
681(8A)	Primary Sectionalizing Switch, (PT5)	Each										1										1				
681(8B)	Grounding Assemblies, (M1-2)	Each		1	1	2	1			1	2					1			1	1		11				
681(8D)	Miscellaneous Primary Assemblies, (M5-9B)	Each	3									6										9				
681(8E)	Miscellaneous Primary Assemblies, (M5-21)	Each					2															2				
681(9A)	Transfer Street Lights, (M-26)	Each	1	3	1																	5				
681(9B)	Transfer Capacitator Banks, (XCAP)	Each										1										1				
681(9C)	Transfer Primary Taps, (X-P)	Each	1					1	3	4	1	1	3	1		1					2	18				
681(9D)	Transfer Secondary Taps, (X-T)	Each	1	2	2	1	1		2	2	3	1		5		1	2	2		1	7	40				
681(9E)	Transfer Service Meter Assemblies, (MOP)	Each	2						1			1	1				1		1			7				
681(9G)	Transfer Underground Services, (VG)	Each	2																			2				
681(10A)	Utility Clearing, R30 (Unit=10,000 Sq.Ft.)	Unit																				9.6				
681(11A)	Retire Poles	Each	1	6	5	3	7	3	3	4	2	5	6	6		2	1	1	2	2	7	6	72			
681(11B)	Retire Primary Assemblies	Each	3	6	5	3	6	4	4	4	1	11	13	2		1			1	2	12	12	90			
681(11C)	Retire Conductors	LumpSum										All Require														
681(11D)	Retire Down Guys & Anchors	Each		1	1		2	1	1	2	3		1	2	1	1		1	1	1	6	5	30			
681(11E)	Retire Overhead Guys	Each		3	1	2	2			1	1		1	2		1					2		16			

STATE	PROJECT DESIGNATION	YEAR	SHEET NO	TOTAL SHEETS
ALASKA	S-0937 (9)	1968	51	97

[illegible]

UTILITIES PLAN



STAKING SHEET

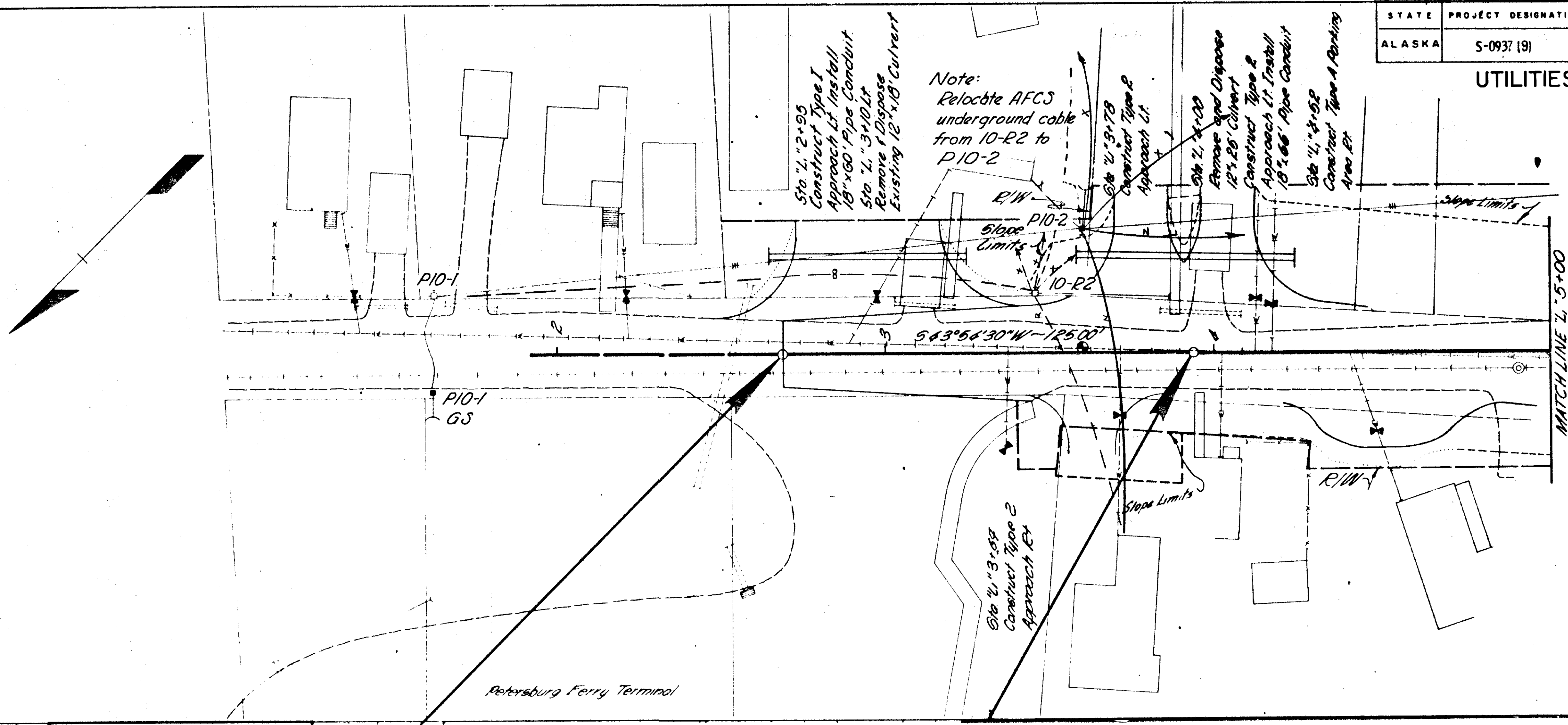
SYSTEM DESIGNATION: Petersburg - South
 LOCATION: Electric - Ferry Terminal South - Power
 TWP: RANGE: SECTION:
 MAP REFERENCE: Alaska Dept of Highways - Project S-0937 (9)
 PRI WIRES: 3 SIZE: 1/0 KIND: AACR (6201) RULING SPAN:

No of MEMBERS
 PRIMARY LINE (FEET)
 SECONDARY (FEET)
 SERVICE DROPS (FEET)

SKETCH OF WORK	CONTR. OR WC NO.	PRIMARY										GUY		SECONDARY				SERVICE				METER	NAME AND REMARKS
		POLE NO.	LINE ANGLE	SPAN BACK	WIRE SIZE	POLES H & C	PRI. UNIT	R/W CLEAR	TRANS "G"	GROUND	UNIT "E"	ANCHOR UNIT "F"	UNIT "J" SEC. ONLY	SPAN WIRE SEC. ONLY	NO. WIRES & SIZE	UNIT "K"	SPAN	NO. WIRES & SIZE	LOOP	METER SIZE			
CONSTRUCTION		P10-1	34°	-	EXIST	EXIST	C-BN					EXIST										3/M5-9B	
		P10-2		200	3" 0 AAC	45 1/2	C-2-M B-TM				E1-3	25 FT-4P	K13 6 ISC	200	" 6 TFX	KISC	50 1	22-TFX XT				1-XPI 1-M26	
RETIREMENT		10-R1 (P10-1)					C19																
		10-R2		185	3" 4 2" 6	45	C19 B-TM				E2		2/K13	3" 4				75 3" 6 35				2-M26 and 2-UG services - to be removed by CITY	

10-R2 2 Pole No. RETIRE PAGE NO.
 P10-2 2 Pole No. RETIRE PAGE NO.
 M26 = TRANSFER STREET LIGHT
 C19 = 69-IN 2/M5-5
 TPX = TRIPLEX
 XT = TRANSFER EXIST TRIPLEX OLD POLE TO NEW POLE
 XPI = TRANSFER EXIST 1/0 2W PRIMARY CONDUCTOR ONLY OLD POLE TO NEW POLE
 STAKED BY: _____
 CHECKED BY: _____
 RELEASED FOR CONST. BY: _____
 LINE LEAD: _____
 SHEET NO. OF: _____

UTILITIES PLAN



STAKING SHEET

SYSTEM DESIGNATION PETERSBURG - SOUTH

LOCATION TELEPHONE - Ferry Terminal South

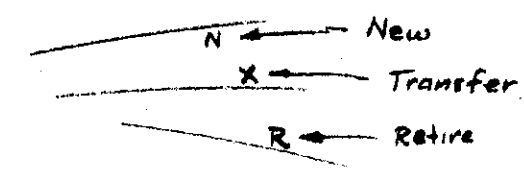
TWP. _____ RANGE _____ SECTION _____

MAP REFERENCE Alaska Department of Highways Project S-0937(9)

PRI WIRES 100 PR SIZE #22 KIND Communications Cable RULING SPAN _____

NO. OF MEMBERS _____
PRIMARY LINE (FEET) _____
SECONDARY (FEET) _____
SERVICE DROPS (FEET) _____

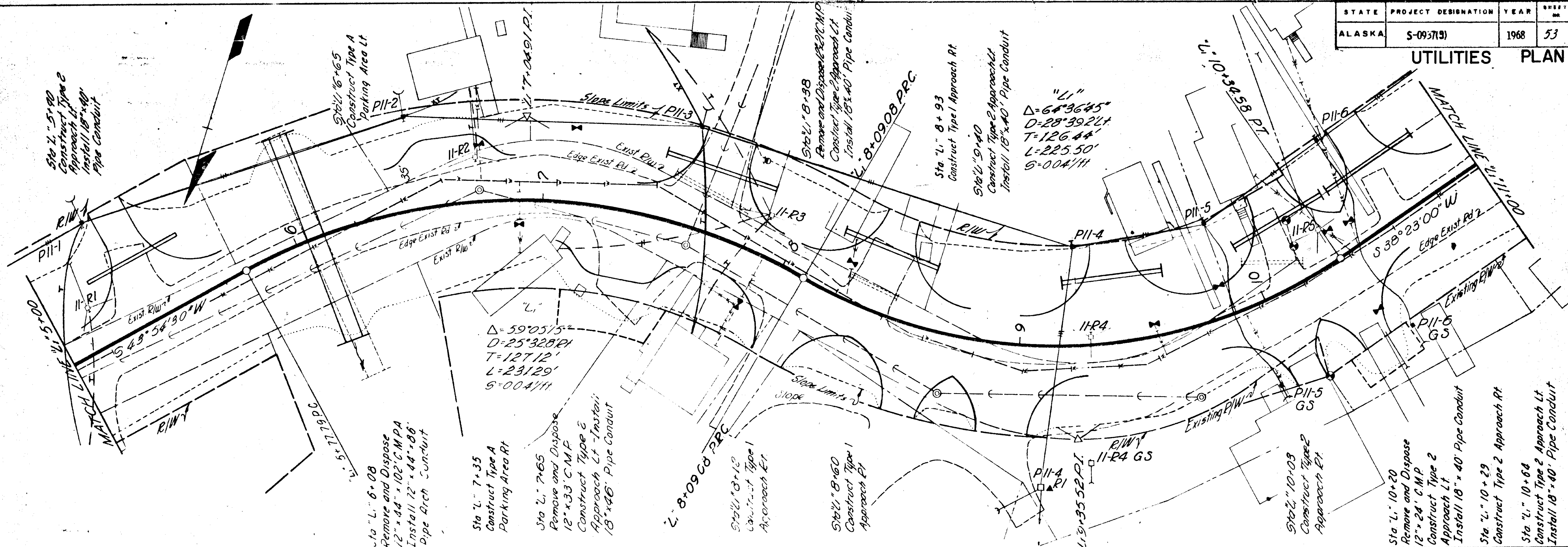
SHEET OF WORK	CONTR. OR W.C. NO.	PRIMARY										ANCHOR		SECONDARY				SERVICE				METER		MAKE AND REMARKS
		POLE NO.	LINE ANGLE	SPAN BACK	WIRE SIZE	POLES H.B.C.	PRI. UNIT	H.W. CLEAR	TRANS. S	GROUND	UNIT #	LEAD	UNIT #	UNIT #	UNIT #	UNIT #	UNIT #	UNIT #	UNIT #	UNIT #	UNIT #	UNIT #	UNIT #	
CONSTRUCTION	P10-1	3 1/2 L	EXIST				RA				2-3	70												DEAD END EXISTING 100 PR CABLE IN BACK SHOWN Begin new cable
	P10-2			200	100PR		H1						J		J			TS	SD					A.F.C.S. - Relocate exist underground cable
RETIREMENT	10-R1 (P10-R1)																							
	10-R2				185 100P		H1				E1			185	8-RSD			1-RSD						



XSD = Transfer Exist SD
RSD = Retire Exist SD
USD = Underbuild SD
SD = Service Drop
XC = Transfer Exist Cable
P = Power Divided

STAKED BY _____
CHECKED BY _____
RELEASED FOR CONSTRUCTION BY _____
LINE LEAD _____

UTILITIES PLAN



STAKING SHEET SYSTEM DESIGNATION P-S

LOCATION Page 11
TWP. RANGE SECTION
MAP REFERENCE

NO. OF MEMBERS
PRIMARY LINE (FEET)
SECONDARY (FEET)
SERVICE DROPS (FEET)

SKETCH OF WORK	CONTR. OR W.C. NO.	POLT. NO.	LINE ANGLE	SPAN BACK	PRIMARY			GUY	ANCHOR	SECONDARY			SERVICE			METER	NAME AND REMARKS
					WIRE SIZE	POLES H.B.C.	PRI. UNIT CLEAR			UNIT	SPAN	NO. WIRES	UNIT	SPAN	NO. WIRES		
RETIREMENT	11-R1		170	3" #4 2" #6	45	C19		ER		3/36	170	3" #4	2-K10	65	2TPX		2-XAB
	11-R2		165	"	40	C19		ER		"	165	"					2-XAB
	11-R3		120	"	40	C19	G			"	120	"	2/K13 2" #4 2TPX	85 55	2" #6 2TPX		2-XAB
	11-R4		135	3" #4	40	C9-14		ER		"	135	"	2/K13 K13	90	2" #6		1-XAB (TAP RIGHT)
	11-R5		50	"		C-7N		E1									2-XAB
	11-R5 GS		100	"	40	C9-14				"	100	"	K13	50	2TPX		

XAB = M5-14 + 2-M5-11

STAKED BY

CHECKED BY

RELEASED FOR CONST.

LINE LEAD

SHEET NO. OF

STAKING SHEET SYSTEM DESIGNATION PETERSBURG - SOUTH

LOCATION Page 11
TWP. RANGE SECTION
MAP REFERENCE

NO. OF MEMBERS
PRIMARY LINE (FEET)
SECONDARY (FEET)
SERVICE DROPS (FEET)

		PRI WIRES		3		SIZE		"0		KIND		AARC		RULING SPAN						
CONTR. OR W.C. NO.	POLE NO.	LINE ANGLE	SPAN BACK	PRIMARY			P.W. CLEAR	TRANS. G	GROUND	GUY		ANCHOR UNIT " "	SECONDARY			SERVICE		METER		NAME AND REMARKS
				WIRE SIZE	POLES H.B.C.	PRI. UNIT				UNIT " "	SPAN UNDER REC'D		NO. WIRES B SIZE	UNIT " "	SPAN	NO. WIRES B SIZE	LOOP	METER SIZE		
	PII-1	12°R	173 125	3" #0 AARC	45/2	C2-14				1-3	25	1-4P	K13	"		75	2TPX			
	PII-2	25°R	120 125	"	45/2	C2-14				1-3	30	1-4P	J30	148	"	1	XT			M26
	PII-3	12°R	128 129	"	45/2	C2-14 C-7N		G 25 (75)	1-2	1-3	25	1-4P	J30	142	"	80 1	2TPX XT			M26 X-P
	PII-4	38°L	153 155	"	45/2 35/4	C-8N C-7N				2-3 1-3	90		J10	130	"					M26 X-T
	PII-4 RI		90	3" #4 CU	EXIST	EXIST		EXIST												Use retired #40 for tap
	PII-5	12°L	58 55	3" #0 AARC	45/2	C2-14				2-3	75		J30	58 65 55	"	25 15	2TPX			X-T
	PII-5 GS				35/4					1-3	20	1-4P	K11							
	PII-6		55	"	45/2	C2-14				2-3	85		K13	55	"	45	2TPX			
	PII-6 SP				EXIST			EXIST					85	2TPX	EXIST					

STAKED BY

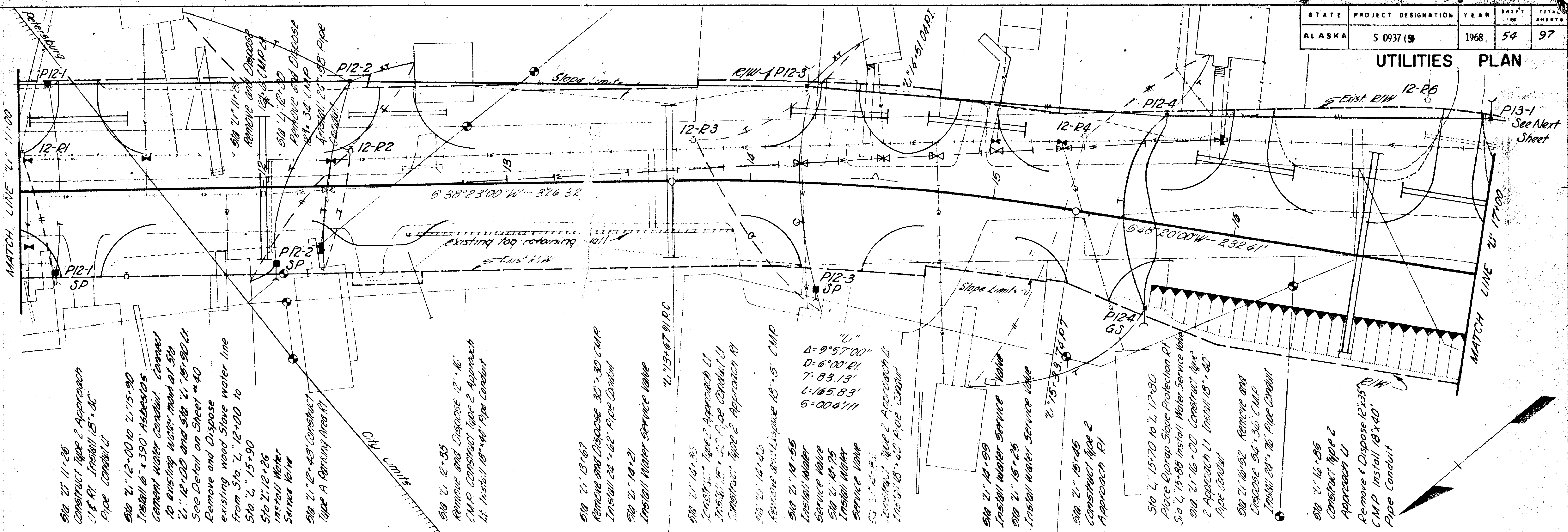
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RELEASED FOR CONST.

LINE LEAD

SHEET NO. OF

UTILITIES PLAN



STAKING SHEET

SYSTEM DESIGNATION P-S

LOCATION Page 12
TWP. RANGE SECTION
MAP REFERENCE A-D of H

NO. OF MEMBERS
PRIMARY LINE (FEET)
SECONDARY * (FEET)
SERVICE DROPS (FEET)

SKETCH OF WORK	CONTR. OR W. NO.	POLE NO.	LINE ANGLE	PRIMARY				GUY	ANCHOR UNIT	SECONDARY				SERVICE				METER	NAME AND REMARKS
				SPAN	WIRE SIZE	POLES H.C.	PRI. UNIT CLEAR			SPAN	WIRE SIZE	NO. WIRE BSIZE	UNIT	SPAN	WIRE SIZE	NO. WIRE BSIZE	LOOP		
RETIREMENT	12-R1	65	3° 4'	40	C9-IN					6-J6	65	3° 4'		55	2° 4'			2-XAB	
	12-R2	135	"	40	C9-IN					3-J6	135	"		50	2° 4'			1-XAB	
	12-R3	140	"	40	C9-IN	6-2	E1			3-J6	140	"		85	2° 4'			5-XAB	
	12-R4	160	"	40	C9-IN					3-J6	160	"		115	2° 4'			2-XAB	
	12-R5	140	"	45	C9-IN		E2 E1-3		1-40										

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CHECKED BY
RELEASED FOR CONST.
LINE LEAD

STAKING SHEET

SYSTEM DESIGNATION P-S

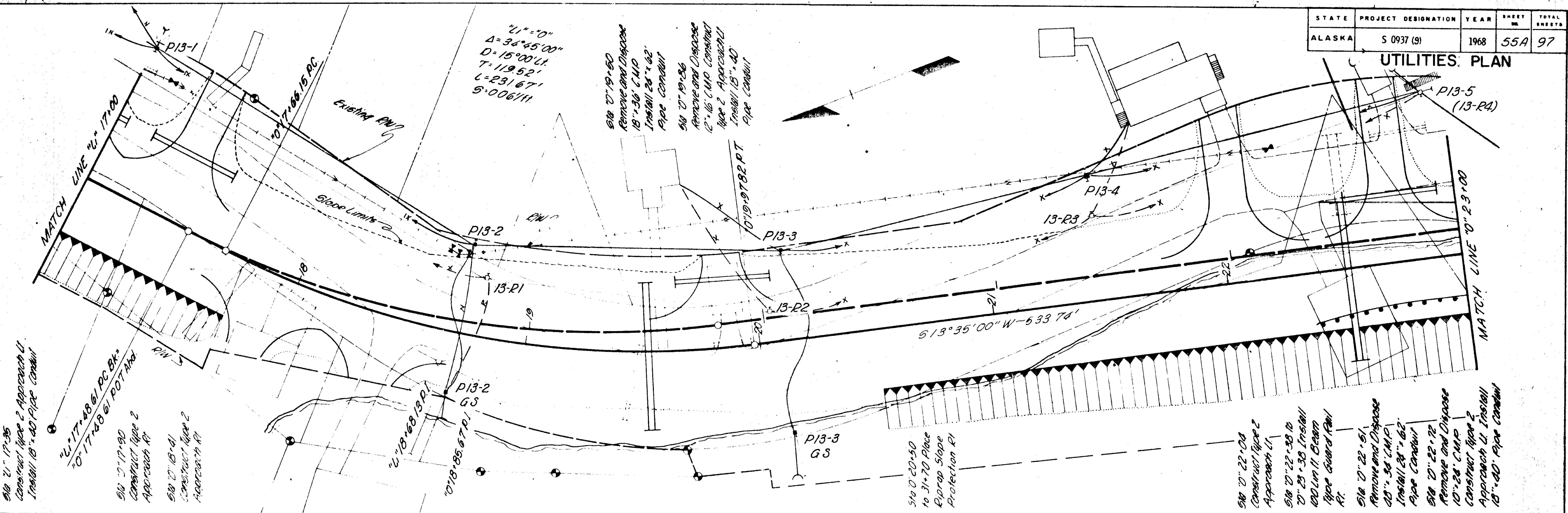
LOCATION Page 12
TWP. RANGE SECTION
MAP REFERENCE A-D of H

NO. OF MEMBERS
PRIMARY LINE (FEET)
SECONDARY * (FEET)
SERVICE DROPS (FEET)

SKETCH OF WORK	CONTR. OR W. NO.	POLE NO.	LINE ANGLE	SPAN	PRIMARY				GUY	ANCHOR UNIT	SECONDARY				SERVICE				METER	NAME AND REMARKS
					SPAN	WIRE SIZE	POLES H.C.	PRI. UNIT CLEAR			SPAN	WIRE SIZE	NO. WIRE BSIZE	UNIT	SPAN	WIRE SIZE	NO. WIRE BSIZE	LOOP		
CONSTRUCTION	P12-1	108	3° 1/2'	45/2	C-1N						K13	50	1/6 TPK		85	2 TPK				
	P12-1 SP														K11					
	P12-2	129	"	45/2	C-1N						1-3	15	1-4P	K13		85	2 TPK			M 26
	P12-2 SP														K11					Guy against V.B.
	P12-3	195	5° R	45/2	C-2N						1-3	25	1-4P	2611	J5	90	2 TPK			

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RELEASED FOR CONST.
LINE LEAD

UTILITIES PLAN



STAKING SHEET

SYSTEM DESIGNATION P-South

LOCATION page 13
TWP RANGE SECTION
MAP REFERENCE A - Def H

PRI WIRES SIZE KIND RULING SPAN

STAKING SHEET

SYSTEM DESIGNATION P-South

LOCATION page 13 TELEPHONE
TWP RANGE SECTION
MAP REFERENCE A - Def H

PRI WIRES 50 pr SIZE #22 KIND Cable RULING SPAN

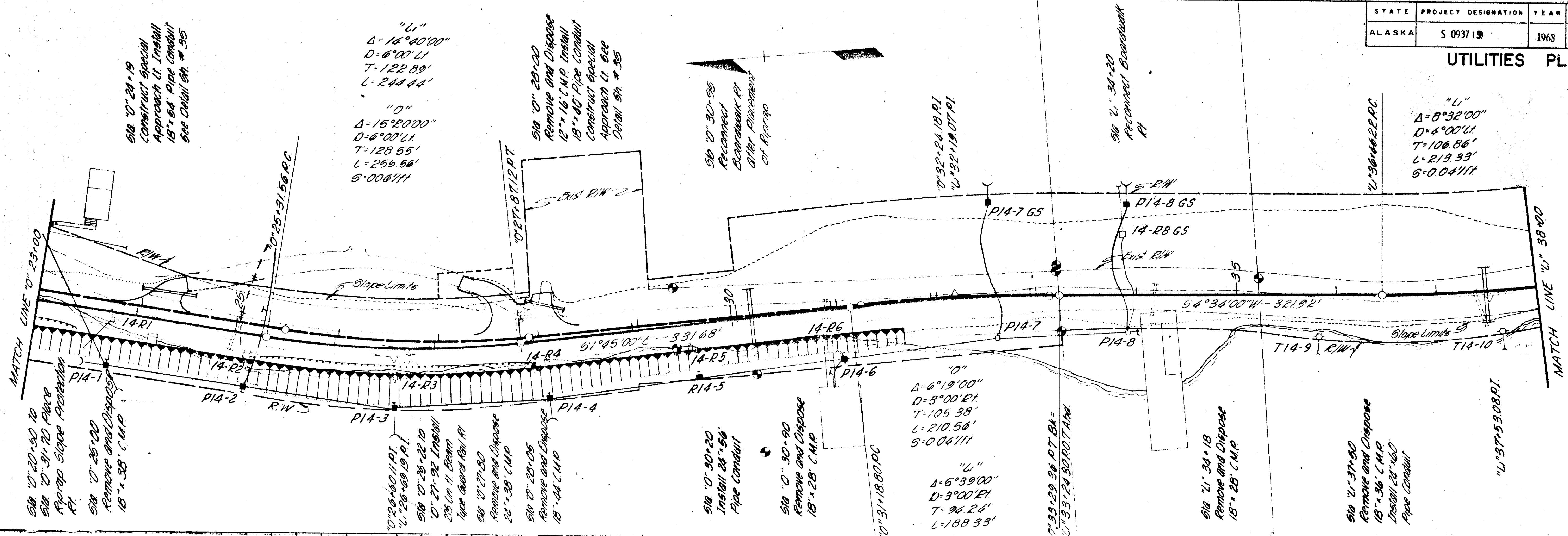
SKETCH OF WORK	CONTR. OR W.O. NO.	POLE NO.	LINE ANGLE	SPAN BACK	WIRE SIZE	PRIMARY				GUY	ANCHOR	SECONDARY				SERVICE				METER	NAME AND REMARKS
						POLES H.C.	PRI. UNIT	R.W. CLEAR	TRANS. G	GROUND	UNIT E	UNIT F	UNIT G	UNIT H	WIRE SIZE	UNIT I	SPAN	NO. WIRES	LOOP	METER SIZE	
RETIREMENT		13-R1		205	50pr		H2				E2										
		13-R2		120	"		H2				E2										
		13-R3		145	"		H1						I-1	RSD							
		13-R4		150	"																

STARTED BY
CHECKED BY
RELEASED FOR CONST.
LINE LEAD
SHEET NO.

SKETCH OF WORK	CONTR. OR W.O. NO.	POLE NO.	LINE ANGLE	SPAN BACK	WIRE SIZE	PRIMARY				GUY	ANCHOR	SECONDARY				SERVICE				METER	NAME AND REMARKS
						POLES H.C.	PRI. UNIT	R.W. CLEAR	TRANS. G	GROUND	UNIT E	UNIT F	UNIT G	UNIT H	WIRE SIZE	UNIT I	SPAN	NO. WIRES	LOOP	METER SIZE	
CONSTRUCTION		P13-1	6°R	140	50pr		H2				E-1	1-3	25	J	140	USD	J	125	SD		
		P13-2	24°L	160	"		H2				2-3	65	J		1-XSD	J	75	SD			
		P13-2 GS					P				1-2	25	P								
		P13-3	15°L	130	"		H2				2-3	75	J		J	1-XSD					
		P13-3 GS					P				1-3	25	P								
		P13-4		135	"		H1						J	1	XSD	J	14	XSD			
		P13-5	42°R	145	"		P	EXIST			EXIST	EXIST	1	XSD	EXISTING						CABLE DEAD ENDS BOTH WAYS

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RELEASED FOR CONST.
LINE LEAD
SHEET NO.

UTILITIES PLAN



STAKING SHEET

SYSTEM DESIGNATION P-S

LOCATION page 14

TWP. RANGE SECTION

MAP REFERENCE A-D-H

NO. OF MEMBERS

PRIMARY LINE (FEET)

SECONDARY LINE (FEET)

SERVICE DROPS (FEET)

PRI WIRES SIZE KIND RULING SPAN

CONTR. OR WO. NO.	POLE NO.	LINE ANGLE	SPAN	PRIMARY				GUY	ANCHOR	SECONDARY				SERVICE	METER	NAME AND REMARKS
				WIRE	POLES	PRI. UNIT	R.W. TRANS			WIRE	POLES	UNIT	SPAN			
RETIREMENT	14-R1	120	24	50	B-11N	2		E1-3								
	14-R2	140	"	50	B-10N		G1	E1-3						K13 140 2#6		1-YAB
	14-R3	150	"	50	B-10N			E1-3								
	14-R4	150	"	50	B-10											
	14-R5	145	"	50	B-10											
	14-R6	150	"	50	B-10											
	14-R7	155	"		EXIST			E2								
	14-R8	130	"		EXIST		EXIST	E2								
	14-R9	25						E1								
	14-R10															

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RELEASED FOR CONST

LINE LEAD

SHEET NO. 51

STAKING SHEET

SYSTEM DESIGNATION P-S

LOCATION page 14 POWER

TWP. RANGE SECTION

MAP REFERENCE A-D-H

NO. OF MEMBERS

PRIMARY LINE (FEET)

SECONDARY LINE (FEET)

SERVICE DROPS (FEET)

PRI WIRES SIZE KIND RULING SPAN

CONTR. OR WO. NO.	POLE NO.	LINE ANGLE	SPAN	PRIMARY				GUY	ANCHOR	SECONDARY				SERVICE	METER	NAME AND REMARKS
				WIRE	POLES	PRI. UNIT	R.W. TRANS			WIRE	POLES	UNIT	SPAN			
CONSTRUCTION	P14-1	53°	170	2#6	55/2	30/4		2/1-3	40	2/1-4						
	P14-2	145	"	55/2	B-11N		G1 (S)	1-2	1-3	25	1-4			K11 160 2TPK		
	P14-3	120	"	55/2	B-11N			1-3	30	1-4						
	P14-4	40	162	"	55/2	B-11N		1-3	30	1-4						
	P14-5	141	"	55/2	B-11N			1-3	30	1-4						
	P14-6	150	"	55/2	B-11N									K13 1	XT	30 2TPK
	P14-7	30°	150	"	EXIST			2-3	140	EXIST						
	P14-7 GS			30/4				1-3	20	1-4						
	P14-8	50°	153	"	EXIST		EXIST	2-3	140					EXIST		X-C END OF POWER LINE
	P14-8 GS			30/4				1-3	20	1-4						

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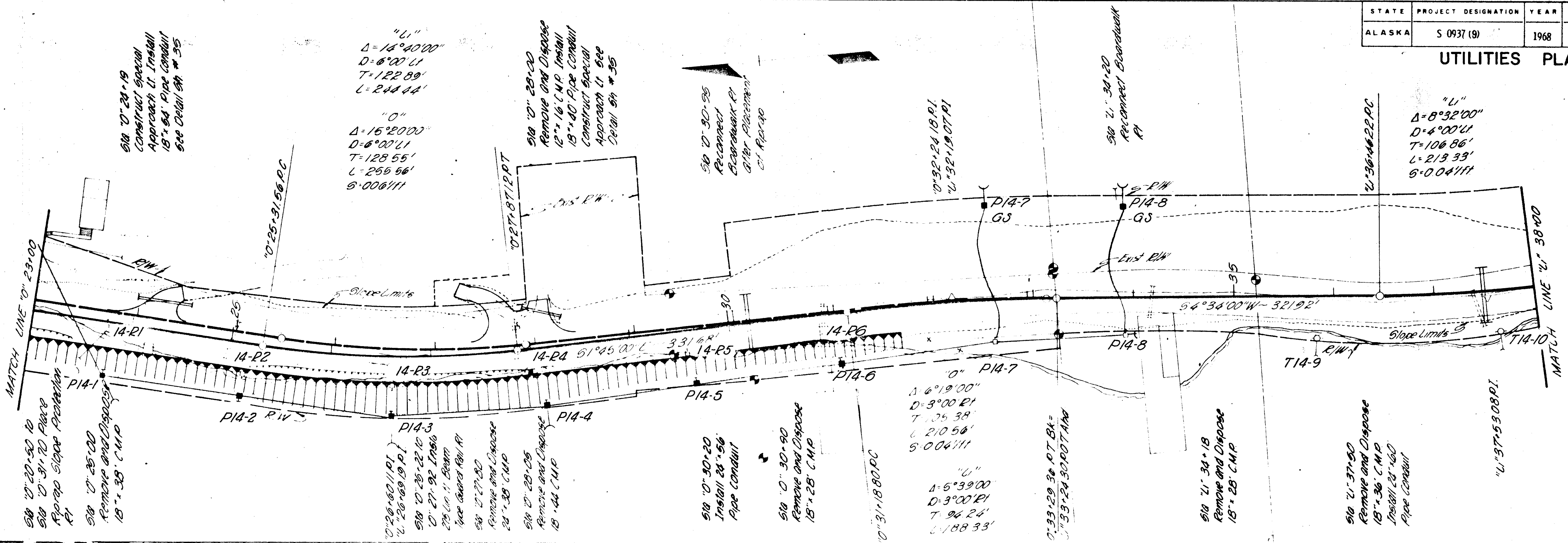
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RELEASED FOR CONST

LINE LEAD

SHEET NO. 52

UTILITIES PLAN



STAKING SHEET

SYSTEM DESIGNATION P-South

LOCATION Page 14

TWP RANGE SECTION

MAP REFERENCE

PR. WIRES SIZE KIND ROUTING SPAN

SKETCH OF WORK	CONTR. NO.	FILE NO.	LINE ANGLE	SPAN	WIRE SIZE	WIRE TYPE	POLES	PR. WIRE	R.W.	TRANS.	GROUND	UNIT	LEAD	ANCHOR	SECONDARY	SERVICE	METER	NAME AND REMARKS
RETIREMENT	14-R1	140	50pr					2/CDP RA						E1				
	14-R2	170	"					H2						E1				
	14-R3	150	"					H2						E1				
	14-R4	150	"					H1 RA										
	14-R5	145	"					H1										
	14-R6	150	"					H1										

STARTED BY

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RELEASED FOR CONSTRUCTION

LINE LEAD

SHEET NO.

STAKING SHEET

SYSTEM DESIGNATION P-South

LOCATION Page 14

TWP RANGE SECTION

MAP REFERENCE

PR. WIRES SIZE KIND ROUTING SPAN

SKETCH OF WORK	CONTR. NO.	FILE NO.	LINE ANGLE	SPAN	WIRE SIZE	WIRE TYPE	POLES	PR. WIRE	R.W.	TRANS.	GROUND	UNIT	LEAD	ANCHOR	SECONDARY	SERVICE	METER	NAME AND REMARKS
	P14-1	53°L	170	50pr				2/CDP RA						2/3	40			CABLE DEAD ENDS BOTH WAYS
	P14-2		140	"				H1										
	P14-3	120°L	155	"				H2						1-3	30			
	P14-4	4°L	155	"				H2 RA						1-3	30			
	P14-5		145	"				H1										
	P14-6		150	"				2/CDP RA										NEW CABLE ENDS OLD CABLE BEGINS
	P14-7	30°L	(155)	XC				EXIST						2-3	140			
	P14-8	5°R	(130)	XC				EXIST						2-3	140			EXISTING TELCO FACILITIES CONTINUE

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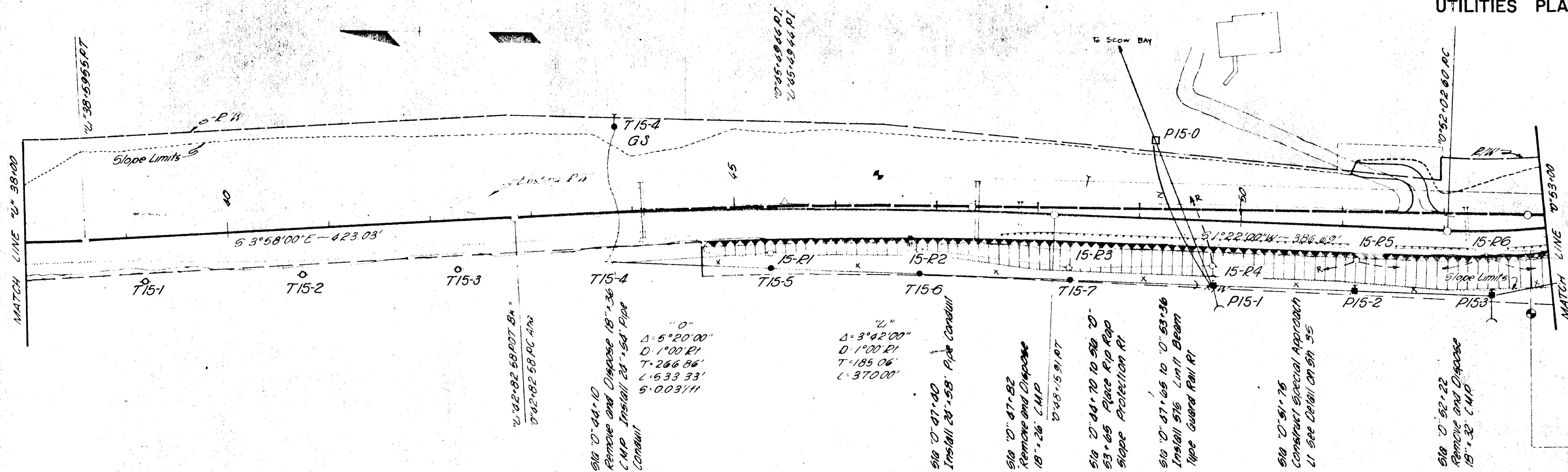
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RELEASED FOR CONSTRUCTION

LINE LEAD

SHEET NO.

UTILITIES PLAN



STAKING SHEET

SYSTEM DESIGNATION: P-SOUTH

LOCATION: page 15

TWP: RANGE: SECTION:

MAP REFERENCE:

NO. OF MEMBERS
PRIMARY LINE (FEET)
SECONDARY LINE (FEET)
SERVICE DROPS (FEET)

PRI WIRES SIZE KIND RULING SPAN

CONTR. OR WIRE NO.	POLE NO.	LINE ANGLE	SPAN BACK	WIRE SIZE	PRIMARY			TRANS. G.	GROUND	UNIT LEAD	ANCHOR UNIT	SECONDARY			SERVICE	METER	NAME AND REMARKS
					POLES H.B.C.	PAI UNIT	R.W. CLEAR					UNIT LEAD	SPAN	WIRE SIZE	UNIT LEAD	SPAN	
15-R1					50	H1											
15-R2					50	H1											
15-R3					50	H2					E2						
15-R4					50	H2					E1					130 SD	
15-R5					P	H1							140	SD			
15-R6					P	H1							135	SD			

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LINE LEAD

SHEET NO.

STAKING SHEET

SYSTEM DESIGNATION: P-SOUTH

LOCATION: page 15 TELEPHONE

TWP: RANGE: SECTION:

MAP REFERENCE: A-D of H

NO. OF MEMBERS
PRIMARY LINE (FEET)
SECONDARY LINE (FEET)
SERVICE DROPS (FEET)

PRI WIRES SIZE KIND RULING SPAN

CONTR. OR WIRE NO.	POLE NO.	LINE ANGLE	SPAN BACK	WIRE SIZE	PRIMARY			TRANS. G.	GROUND	UNIT LEAD	ANCHOR UNIT	SECONDARY			SERVICE	METER	NAME AND REMARKS
					POLES H.B.C.	PAI UNIT	R.W. CLEAR					UNIT LEAD	SPAN	WIRE SIZE	UNIT LEAD	SPAN	
T15-4		5°R			EXIST					2-3	130						
T15-5					30/4					1-3	20	1-4P					
T15-6					EXIST (160 50A) XC	55/2	H1										TRANSFER EXISTING CABLE TO NEW POLES
T15-7					XC (145")	55/2	H1										
T15-8					XC (150")	55/2	H1										
P15-1					XC (145")	P	H1										SPLICE SD ON P15-0
P15-2					XC (140")	P	H1										
P15-3					XC (135")	P	H2			1-3	25	P					

XC = TRANSFER TELCO Cable

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LINE LEAD

SHEET NO.

UTILITIES PLAN



SYSTEM DESIGNATION P-5

No OF MEMBERS

LOCATION page 16

PRIMARY LINE (FEET).

TWP. _____ RANGE _____ SECTION _____

SERVICE DROPS (FEET)

MAP REFERENCE A - D of H

SERVICE DROPS (FEET)

PRI WINES _____ SIZE _____ KIND _____ RULING SPAN _____

Received 26 September 2006; accepted 12 November 2006

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LINE _____ LEAD _____

PAGE NO. _____

STAKING SHEET

SYSTEM DESIGNATION P-S

No OF MEMBERS

LOCATION page 16

PRIMARY LINE (C)

TWP. _____ RANGE _____ SECTION _____

SECONDARY * (FI

MAP REFERENCE A - D of H

SERVICE DROPS

PRI WIRES 2 SIZE #10 KIND AAAC RULING SPA

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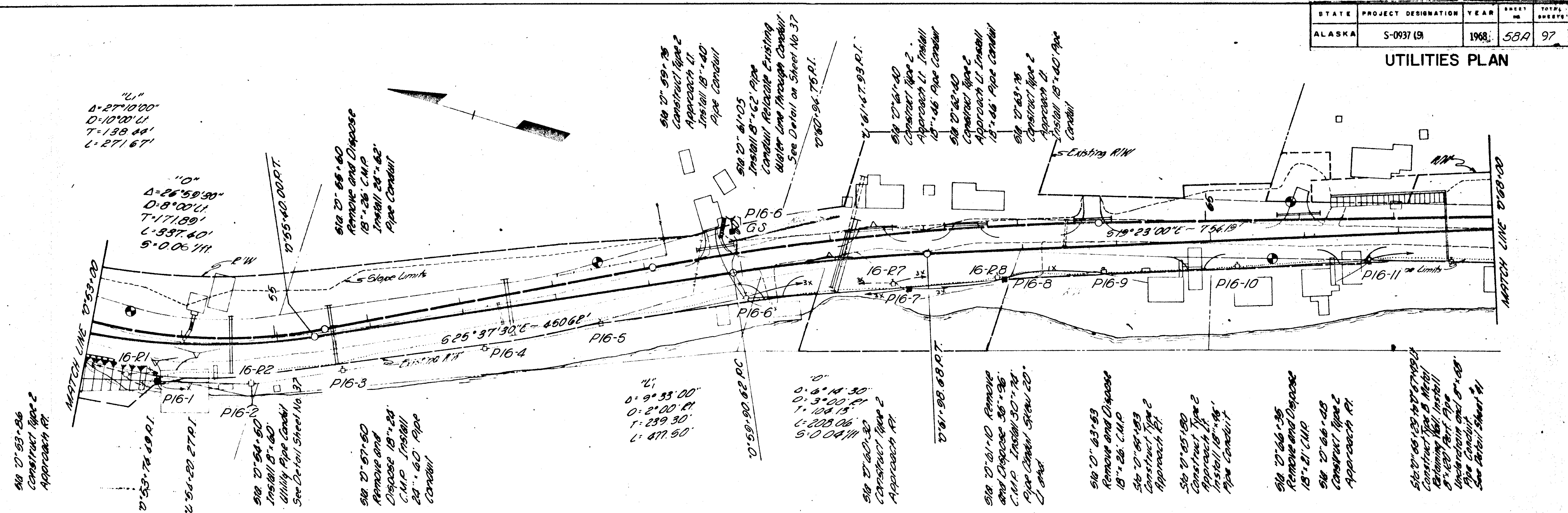
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RELEASED FOR CONST _____

LINE _____ LEAD _____

SHEET NO. _____ OF _____

UTILITIES PLAN



STAKING SHEET

SYSTEM DESIGNATION P - South

LOCATION page 16

TWP RANGE SECTION

MAP REFERENCE A - D of H

NO. OF MEMBERS

PRIMARY LINE (FEET)

SECONDARY (FEET)

SERVICE DROPS (FEET)

PRI WIRES SIZE KIND RULING SPAN

CONTR. OR NO.	POLE NO.	LINE ANGLE	SPAN BACK	PRIMARY		PRI. UNIT	R/W CLEAR	TRANS. E	GROUND	GUY UNIT	ANCHOR UNIT	SECONDARY		UNIT	SPAN	NO. WIRES	SERVICE	METER	NAME AND REMARKS
				POLES H.C.	SIZE							UNIT	SPAN						
RETIREMENT	16-R1					H2				E2				105		SD			
	16-R6					H2				E2									
	16-R7					H1 RA													
	16-R8					H1													

STAKED BY

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RELEASED FOR CONST.

LINE LEAD

SHEET NO.

STAKING SHEET

SYSTEM DESIGNATION Petersburg - South

LOCATION page 16 -

TELEPHONE

TWP RANGE SECTION

MAP REFERENCE A - D of H

NO. OF MEMBERS

PRIMARY LINE (FEET)

SECONDARY (FEET)

SERVICE DROPS (FEET)

PRI WIRES SIZE KIND RULING SPAN

CONTR. OR NO.	POLE NO.	LINE ANGLE	SPAN BACK	PRIMARY		PRI. UNIT	R/W CLEAR	TRANS. E	GROUND	GUY UNIT	ANCHOR UNIT	SECONDARY		UNIT	SPAN	NO. WIRES	SERVICE	METER	NAME AND REMARKS
				POLES H.C.	SIZE							UNIT	SPAN						
CONSTRUCTION	P16-1			XC (40)	50 ft	P	2/3 DE RA										1	XSD	
	P16-2	10°L				P	EXIST											EXIST	
	P16-6	6°R				P				2-3	75								
	P16-7			XC (175)	"	P	H1					2/5	3				XSD		
	P16-8			XC (105)	"	P	H1 RA					2/5	3				XSD		

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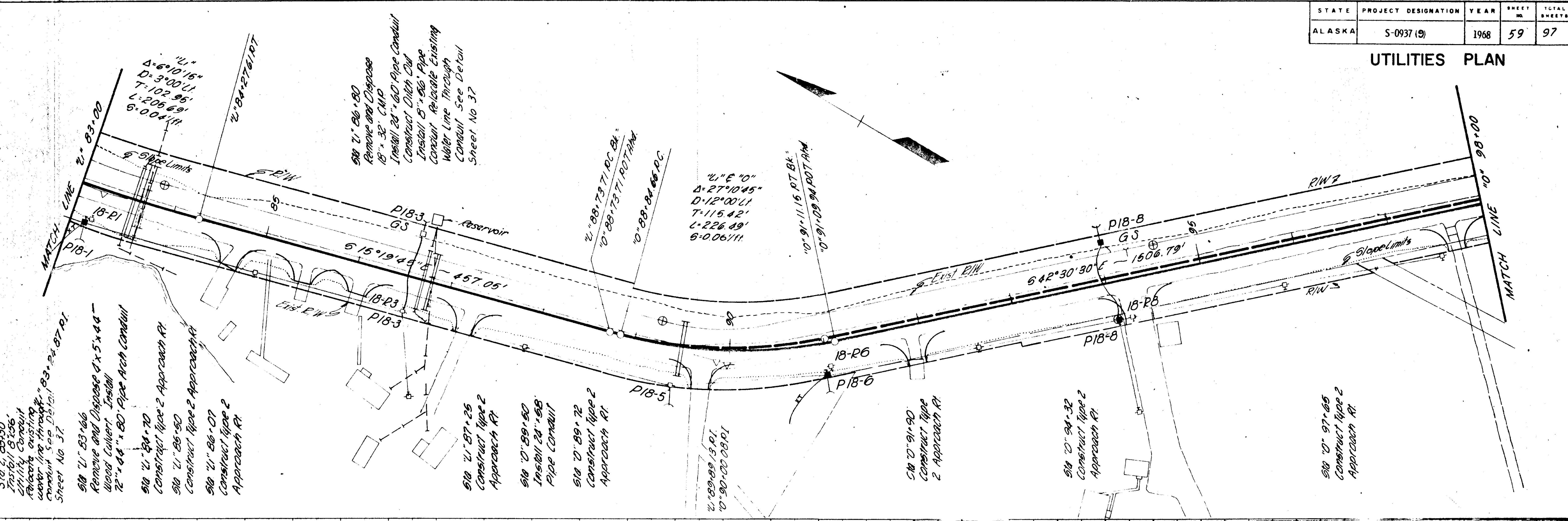
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LINE LEAD

SHEET NO.

UTILITIES PLAN



STAKING SHEET

SYSTEM DESIGNATION P-S

LOCATION page 18
TWP RANGE SECTION
MAP REFERENCE A-D of H

NO. OF MEMBERS
PRIMARY LINE (FEET)
SECONDARY (FEET)
SERVICE DROPS (FEET)

SKETCH OF WORK	CONTR. OR W. NO.	PRIMARY										SECONDARY				SERVICE				METER		NAME AND REMARKS
		POLE NO.	LINE ANGLE	SPAN BACK	WIRE SIZE	POLES H.B.C.	PRI. UNIT	R.W. CLEAR	TRANS. G.	GROUND	UNIT 'E'	LEAD	ANCHOR UNIT 'F'	UNIT 'F' FOR R.O.P.	SPAN H.B.C. ONLY	NO. WIRES B.O.D.S.	UNIT 'W'	SPAN	NO. WIRES A.B.I.F.E.	LOOP	METER SIZE	
CONSTRUCTION	P18-1	4°L	(145)	XP	45/2	B-10N	G1 (2)	1-2	1-3	25	1-4P						K11	1	XT			
	P18-3 GS				30/4						2-3 1-3	25	1-4P									
	P18-6	7°L		XP	45/2	C-2N	G1 (7.5)	1-2	1-3	25	EXIST 1-4P						K11	1	XT			
	P18-8		(145)	XP	45/2	C-1N					2-3	35										
					XP		B-7N															
	P18-8 GS				30/4						1-3	20	1-4P									
RETIREMENT	18-R1				40	B10	G1		E1												3-XAB	
	18-R3										E1											
	18-R6				40	CS-1N	G1												MAP		To be moved by City	
	18-R8				40	CS-1N B-7N					E2											
	18-R8 GS				25						E1											

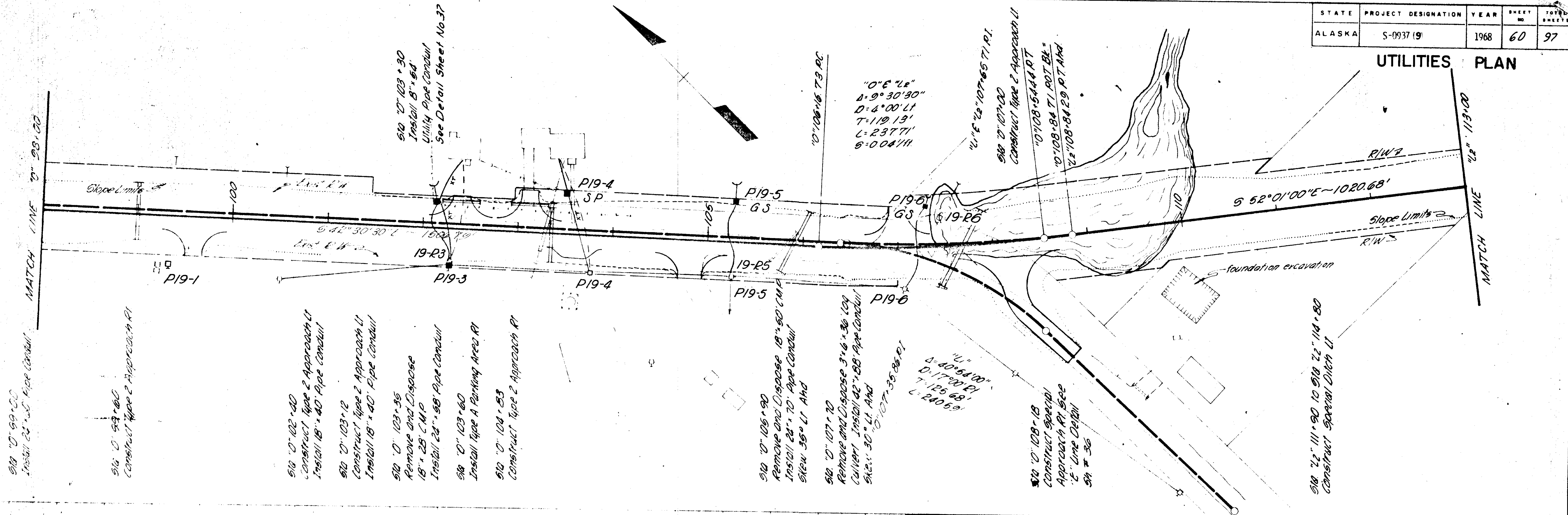
UTILITIES PLAN

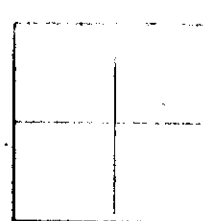


LOCATION page 18 TELCO TELCO
TWP RANGE SECTION
MAP REFERENCE A - DofH

STAKED _____ BY _____
CHECKED _____ BY _____
RELEASED FOR CONST _____
LINE _____ LEAD _____

11/11/11





STAKING SHEET

SYSTEM DESIGNATION P - S

LOCATION page 12
 TWP _____ RANGE _____ SECTION _____
 MAP REFERENCE A - Det H

NO. OF MEMBERS _____
 PRIMARY LINE (FEET) _____
 SECONDARY * (FEET) _____
 SERVICE DROPS (FEET) _____

PRI WIRES EXIST SIZE _____ KIND _____

RULING SPAN _____

DITCH OF WORK	CONTR OR W/ NO	HOLE NO	LINE ANGLE	SPAN BAL	WIRE SIZE	PRIMARY				TRANS G	GROUND IN	GUY		ANCHOR UNIT #	SECONDARY				SERVICE		METER		NAME AND REMARKS	
						POLES H.B.C	PRI UNIT	R.W. CLEAR	UNIT #			LEAD	UNIT #		SPAN UNDER BUILD	SEC. BUILD ONLY	NO. WIRES ASIZE	UNIT #	SPAN	NO. WIRES ASIZE	LOOP	METER SIZE		
CONSTRUCTION	P19-3	90°R	XP	45/2	C9-1N							1-3	70	1-4P	K13	1	XT		110	2TPX			(TRANSFER UB)	
	P14-1				EXIST							2-3	95											
	P19-3 GS				30/4							1-3	20	1-4P	2/J11									
	P19-4 SP				30/4																			
	P19-5				EXIST							2-3	80											
	19-16S				30/4							1-3		1-4P										
	P19-5 GS				30/4							1-3	20	1-4P										
	19-2				EXIST							2-3	95											
	P19-6	35°R			EXIST							2-3	85											
	P19-2 GS				30/4							1-3		1-4P										
P19-6 GS				30/4							1-3	15	1-4P											
RETIREMENT	19R2											1-3		1-4P										
	19-R3				4-5	C9-1N						E1			K13				95	2TPX				
	19R1											E2												
	19-R5											E1												
	19-R6											E2												
19-R6 GS				20							E1													

STAKED _____ BY _____
 CHECKED _____ BY _____
 RELEASED FOR CONST _____
 LINE _____ LEAD _____

UTILITIES PLAN



SYSTEM DESIGNATION P- SOUTH

LOCATION: page 19 TELCO

TWP _____ RANGE _____ SECTION _____

MAP REFERENCE A - D of H

NO. OF MEMBERS _____
PRIMARY LINE (FEET) _____
SECONDARY* (FEET) _____
SERVICE DROPS (FEET) _____

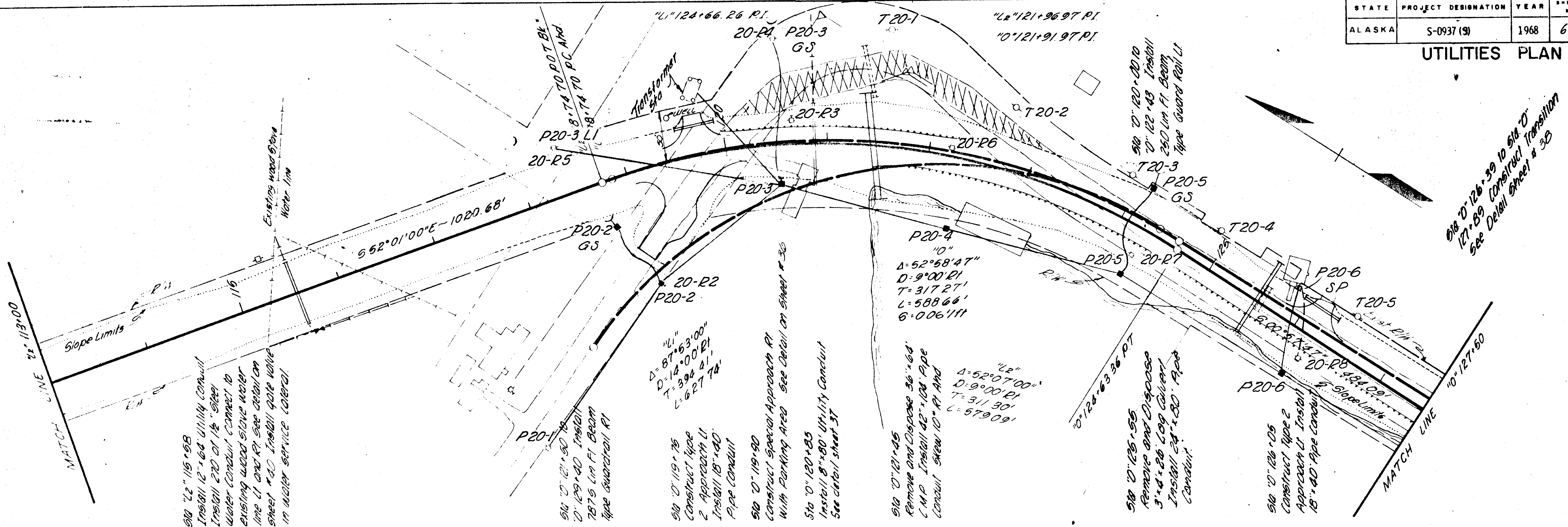
Sketch of Work	Code PW W-NC	PRIMARY										GUY		SECONDARY				SERVICE		METER		Name and Remarks
		Pole No.	Line Angle	SPAN DATA	WIRE SIZE	PEELS -B-C	PRI UNIT	A-W CLEAR	TRANS G	GROUND	UNIT E	LEAD	ANCHOR UNIT F	UNIT J-K-L	SPAN UNDER BUILD ONLY	NO WIRES SIZE	UNIT N	SPAN	NO WIRES DATA	LOOP	METER SIZE	
CONSTRUCTION		P19-3		90°R (180 50m)		P	H2						2-3-70		3/4 J	3+	XSD	J	1-XSD			
		P19-3		6-SSP		P									J		1-XSD		1-XSD			
		P19-6		35°R										2-3-90								
RETIREMENT		19-R3					H2						E1									
		19-R6											E2									

State p. C-171

NUMBER SALES OF ENERGY AT TAPS, CORNERS, TRANSFORMERS AND DELEGATES. INDICATE BRITISH UNITS WITHIN SQUARE UNITS. BEET METERS AND TRANSFORMERS

STAKED _____ BY _____
CHECKED _____ BY _____
RELEASED FOR CORBY _____
LINE _____ LEAD _____

UTILITIES PLAN



Sta 0+126+39 to Sta 0+127+89 Construct Transition
See Detail Sheet # 30

STAKING SHEET

SYSTEM DESIGNATION P-S

LOCATION page 10

TWP. RANGE SECTION

MAP REFERENCE A-D & H

PRI WIRES SIZE KIND RULING SPAN

NO. OF MEMBERS

PRIMARY LINE (FEET)

SECONDARY (FEET)

SERVICE DROPS (FEET)

CONTR. OR W/O NO.	POLE NO.	LINE ANGLE	SPAN BACK	WIRE SIZE	POLES H.C.	PRIMARY			TRANS. G.	GROUND	UNIT	LEAD	ANCHOR UNIT	SECONDARY			SERVICE			METER SIZE	NAME AND REMARKS
						PRI. UNIT	R/W CLEAR	TRANS. G.						UNIT	SPAN	NO. WIRES	UNIT	SPAN	NO. WIRES		
RETIREMENT	20-R2		EXIST		40	C9-IN					E2			3/16							2-XAB
	20-R2 GS				30						I-3										3/M5-3
	20-R3		205	1 1/4	40	C-BN															
	20-R4		85 90 240	" "	" "	C-TN C-BN								240		2 1/2					
	20-R6		210	3 1/4	65	VC-IN C9-IN								210		2 1/2					(CAP BANK)
	20-R7		205	" "	65	VC-BN C9-IN								205		2 1/2					PTS
	20-R8		190	" "	65	VC-IN C9-IN								336 190		2 1/2	K13 70	3 1/2			2-XAB

STAKED BY

CHECKED BY

RELEASED FOR CONST

LINE LEAD

SHEET NO.

STAKING SHEET

SYSTEM DESIGNATION P-S

LOCATION page 20

TWP. RANGE SECTION

MAP REFERENCE A-D & H

PRI WIRES SIZE KIND RULING SPAN

NO. OF MEMBERS

PRIMARY LINE (FEET)

SECONDARY (FEET)

SERVICE DROPS (FEET)

CONTR. OR W/O NO.	POLE NO.	LINE ANGLE	SPAN BACK	WIRE SIZE	POLES H.C.	PRIMARY			TRANS. G.	GROUND	UNIT	LEAD	ANCHOR UNIT	SECONDARY			SERVICE			METER SIZE	NAME AND REMARKS
						PRI. UNIT	R/W CLEAR	TRANS. G.						UNIT	SPAN	NO. WIRES	UNIT	SPAN	NO. WIRES		
CONSTRUCTION	P20-2		EXIST		45 1/2	C-BN					2-3	70		3/16							3/M5-9B
	P20-2 GS				35 1/4						1-3	20	1-4P								
	P20-3		5 1/2 R 32 1/2 L 93 1/2	2 1/2 3 1/2 3 1/2	VC-BN C-BN C-TN						2-3	140		MSC 225		20SC					
	P20-3 LI					EXIST					1-3	30	1-4P	3/11							TRANSFER NEW 1/2 TO EXIST VC-TN. SPICE NEW SPARK TO EXIST 5CMT.
	P20-3 GS					EXIST					1-3	30	1-4P								
	P20-4		170	6 1/2	65 1/2	VC-IN C9-IN								MSC 170		20SC					X-CAP - 15KVAR
	P20-5		17 1/2	175	" "	VC-BN C-9N					2-3	90		MSC 175		20SC					3/M5-9B PTS
	P20-5 GS				35 1/4						1-3	25	1-4P								
	P20-6		185	" "	65 1/2	VC-IN C9-IN					1-3	25	1-4P	MSC 185		20SC					To be transferred by City
	P20-6 SP				30 1/4																Kil

20SC = Two Conductor Signal Transformer

MSC = Bracket, Signal Ckt

X-CAP = TRANSFER CAPACITOR

BANK - 15KVAR, 3-XAB, 3-M5-9B

PTS = Pole Top Switch

STAKED BY

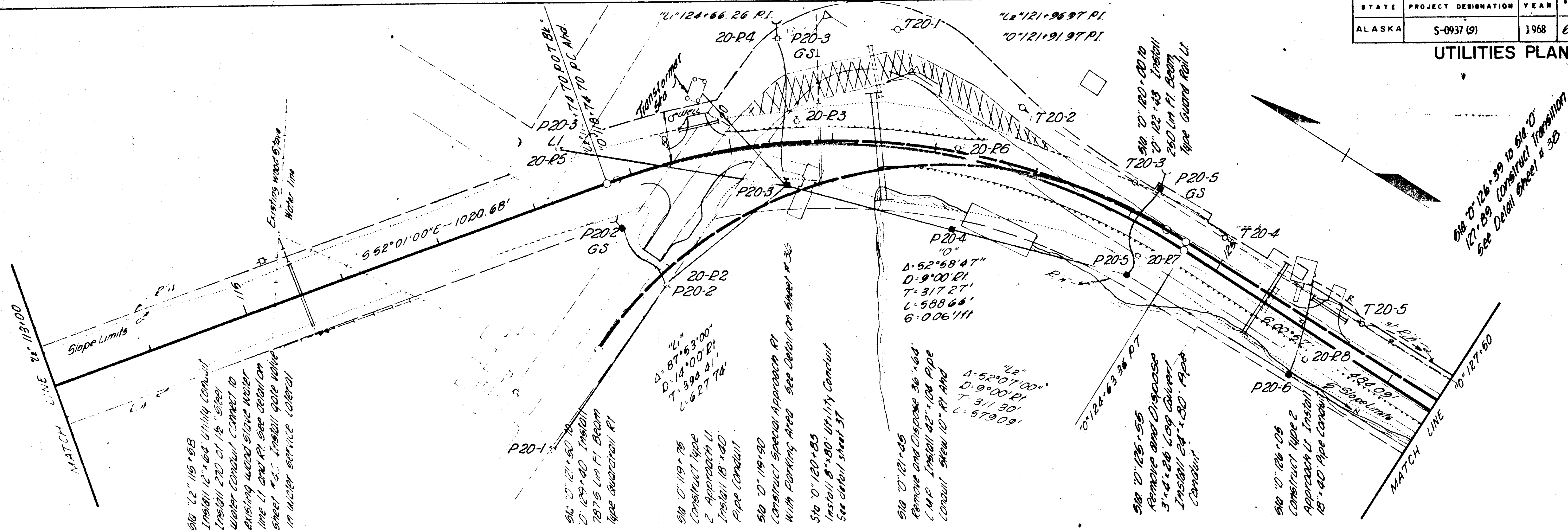
CHECKED BY

RELEASED FOR CONST

LINE LEAD

SHEET NO.

UTILITIES PLAN



STAKING SHEET

SYSTEM DESIGNATION

NO. OF MEMBERS

LOCATION

PRIMARY LINE (FEET)

TWP

RANGE

SECTION

SECONDARY (FEET)

MAP REFERENCE

SERVICE DROPS (FEET)

STAKING SHEET

SYSTEM DESIGNATION

LOCATION

PAGE

TELCO

TWP

RANGE

SECTION

MAP REFERENCE

A - D of H

PRI WIRES

SIZE

KIND

RULING SPAN

NO. OF MEMBERS

PRIMARY LINE (FEET)

SECONDARY (FEET)

SERVICE DROPS (FEET)

RETIREMENT

CONTR. OR NO. NO.	POLE NO.	LINE ANGLE	SPAN BACK	PRIMARY			GUY	ANCHOR	SECONDARY			SERVICE			METER	NAME AND REMARKS
				WIRE SIZE	POLES H.B.C.	PRI. UNIT			UNIT	SPAN	NO. WIRES	UNIT	SPAN	NO. WIRES		
	20-R3		205	24	RA	H1										
	T20-1	135	11	40	20E											
	T20-2	145	11	30	H2											
	T20-3	180	11	30	H1											
	T20-4	105	11	40	H1											
	T20-5			40												

STAKED BY

CHECKED BY

RELEASED FOR CONST.

LINE LEAD

SHEET NO.

CONTR. OR NO. NO.	POLE NO.	LINE ANGLE	SPAN BACK	PRIMARY			GUY	ANCHOR	SECONDARY			SERVICE			METER	NAME AND REMARKS
				WIRE SIZE	POLES H.B.C.	PRI. UNIT			UNIT	SPAN	NO. WIRES	UNIT	SPAN	NO. WIRES		
	P20-2	16°R	50	50	RA											
	P20-2															
	P20-3	50°R	155	11	P	20E										
	P20-3															
	P20-4		170	11	P	H1										1-OF5 Bracket 12' below CAP. BK.
	P20-5	17°R	115	11	P	H2										1-OF5 Bracket (to clear PTS. OR HOU.)
	P20-5															
	P20-6		185	11	P	H1										
	P20-6															

STAKED BY

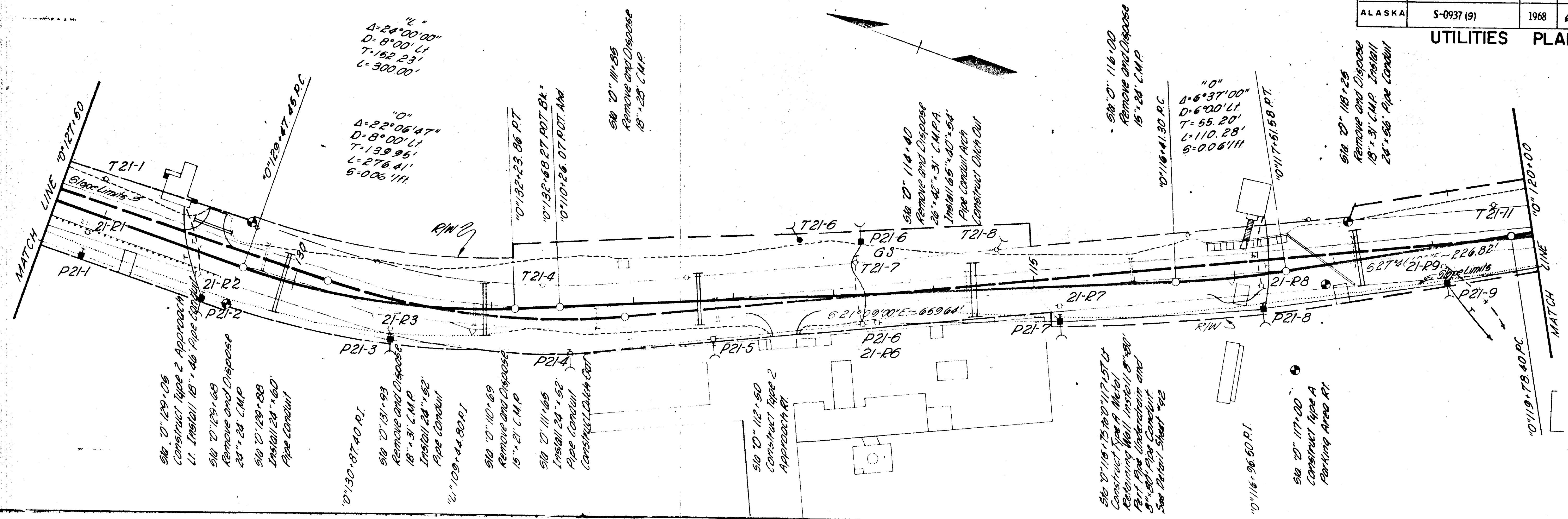
CHECKED BY

RELEASED FOR CONST.

LINE LEAD

SHEET NO.

UTILITIES PLAN



STAKING SHEET SYSTEM DESIGNATION P-S

LOCATION page 21
TWP RANGE SECTION
MAP REFERENCE A - D of H

PRI WIRES SIZE KIND RULING SPAN

CONTR. OR WIRE NO.	POLE NO.	LINE ANGLE	SPAN BACK	WIRE SIZ	POLES H.C.	PRIMARY		R/W CLEAR	TRANS G	GROUND	GUY UNIT 'E' LEAD	ANCHOR UNIT 'F'	SECONDARY		SERVICE	METER	NAME AND REMARKS
						PRI. UNIT	NO. WIRES						SPAN	NO. WIRES			
	21-R1	180	3*1/2 3*4	65	VC-IN C9-IN		180						180	3*4 2*8		XA-6 5/M5-5	
	21-R2	120	"	60	VC-IN C9-IN		120						120	3*4 2*8	70 2TPX	1-XA6 5/M5-5	
	21-R3	200	"	65	VC-IN C9-IN		200				E1	3/6	200	3*4 2*8		1-XA6 5/M5-5	
	21-R4						180						180	3*4		1-XA6 5/M5-5	
	21-R5						145						145	3*4		1-XA6 5/M5-5	
	21-R6				VC-IN						E2						
	T21-7				VC-IN C9-IN						E1						
	21-R7			65	VC-IN C9-IN		200						200	2*8		1-XA6 5/M5-5	
	21-R8			30													
	21-R8			65	VC-IN C9-IN		200						200	3*4 2*8	65 2TPX	1-XA6 5/M5-5	
	21-R9			65	VC-IN C9-IN		185						185	3*4 2*8	120 3*6	1-XA6 5/M5-5	

STARTED BY
CHECKED BY
RELEASED FOR CONST
LINE LEAD
SHEET NO.

STAKING SHEET SYSTEM DESIGNATION P-S

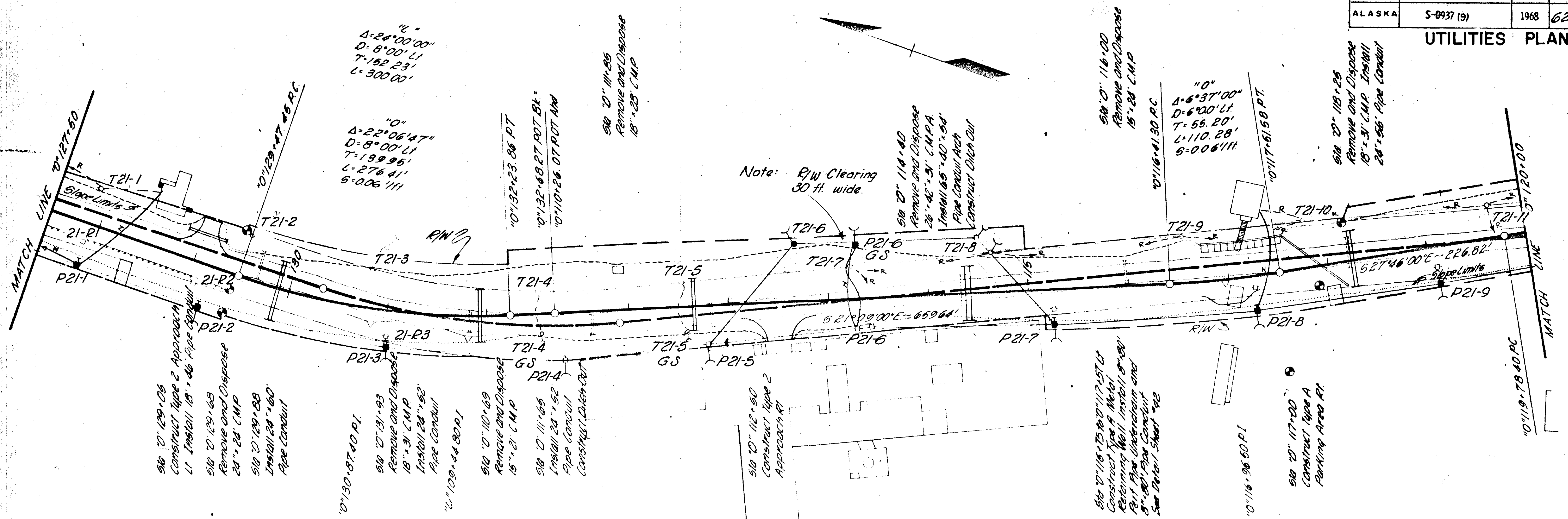
LOCATION page 21
TWP RANGE SECTION
MAP REFERENCE A - D of H

PRI WIRES SIZE KIND RULING SPAN

CONTR. OR WIRE NO.	POLE NO.	LINE ANGLE	SPAN BACK	WIRE SIZ	POLES H.C.	PRI. UNIT	R/W CLEAR	TRANS G	GROUND	GUY UNIT 'E' LEAD	ANCHOR UNIT 'F'	SECONDARY		SERVICE	METER	NAME AND REMARKS
												SPAN	NO. WIRES			
	P21-1	180	6*1/2	65	VC-IN C9-IN							MSC 180 J30	2CSC 1/2 TFX			PTS
	P21-2	160	125	"	65/2 VC-2N C-2N					2/1-3 40	1-4P	MSC 125 J30	"	95 2TPX		MOD - Transferred by City
	P21-3	80	185	"	65/2 VC-2N C-2N					2/1-3 40	1-4P	MSC 185 J30	"			TRANSFER EXIST FORE SPAN CONDUCTORS AND 2 WIRE SIGNET CRT
	P21-4	100	180	EXIST	EXISTING			EXIST				J30 180 J11	1/2 TFX			
	P21-5	(145)	"	"	EXISTING					E3 25	1-4P	J11 145	"			3/M5-98 Buy against UB
	P21-6	40	(155)	"	VC-2N (EXIST)					2/2-3 80						X-T SAWMILL BANK
	P21-6	GS		30/4						1-3 20	1-4P					
	P21-7	30	200	6*1/2	VC-2N C-2N					2/2-3 40	1-4P	MSC 200 J30	2CSC			
	P21-8	40	200	"	65/2 VC-2N C-2N					2/2-3 40	1-4P	MSC 200 J30	2CSC	100 2TPX		Buy against U.B.
	P21-9	20	185	"	65/2 VC-IN C9-IN					2/1-3 40	1-4P	MSC 185 J30	2CSC	95 2TPX		X-T

STARTED BY
CHECKED BY
RELEASED FOR CONST
LINE LEAD
SHEET NO.

UTILITIES PLAN



STAKING SHEET SYSTEM DESIGNATION P-SOUTH

LOCATION page 21
TWP RANGE SECTION
MAP REFERENCE A D & H

SKETCH OF WORK	CONTR. OR W. NO.	PULS. NO.	LINE ANGLE	SPAN	PRIMARY				GUY	ANCHOR	SECONDARY				SERVICE		METER	NAME AND REMARKS
					WIRE SIZE	POLES	TRANS.	GROUND			UNIT JOCK	SPAN	WIRE SIZE	UNIT	SPAN	WIRE SIZE		
RETIREMENT	T21-1	145	26°	35	H1	RA-TB			E2		145	USD	60	SD				
	T21-2	160	"	30	H1													
	T21-3	125	"	30	H1													
	T21-4	170	"	30	H1				E2									
	T21-4 GS			20					E2									
	T21-5	145	"	30	H				E2									
	T21-5 GS			20					E2									
	T21-7	170	"	30	H1													
	T21-8	140	"	35	H1						140	USD						
	T21-9	190	"	35	H1						190	USD						
	T21-10	120	"	30	H1	RA-TB					120	USD	45	SD				

STATED BY...
CHECKED BY...
RELEASED FOR CONST. BY...
LINE LEAD...
SHEET NO.

STAKING SHEET SYSTEM DESIGNATION P-SOUTH

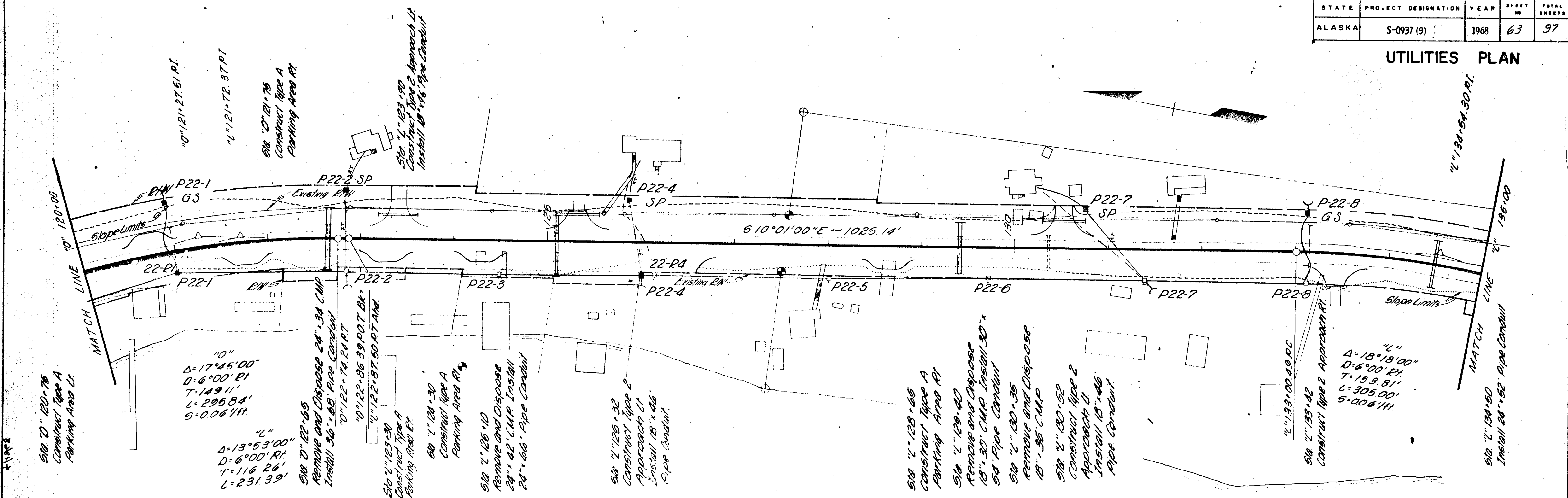
LOCATION page 21 TELCO
TWP RANGE SECTION
MAP REFERENCE A D & H

SKETCH OF WORK	CONTR. OR W. NO.	PULS. NO.	LINE ANGLE	SPAN	PRIMARY				GUY	ANCHOR	SECONDARY				SERVICE		METER	NAME AND REMARKS
					WIRE SIZE	POLES	TRANS.	GROUND			UNIT JOCK	SPAN	WIRE SIZE	UNIT	SPAN	WIRE SIZE		
CONSTRUCTION	P21-1	180	50°	"	P	H1					J	180	USD	J	105	SD		
	P21-2	160°	125	"	P	H2					1-3	30	1-4P					
	P21-3	8°	185	"	P	H2					1-3	25	1-4P					
	P21-4	10°	180	"	P	H2					1-3	25	1-4P					
	P21-5	44°	145	"	P	2/0DE					2-1	3	20	1-4P				
	T21-6	58°	130	"	35/4	2/0DE	30 (65')				1-3	25	1-4P					
	P21-6 GS	90	"	"	P	H1	RA-TB								J	85	SD	SPICE TO EXIST SD ON P21-6
	T21-8	45°	110	"	35/4	2/0DE	30				1-3	20	1-4P					
	P21-7	50°	130	"	P	2/0DE	30 (65')				1-3	25	1-4P					
	P21-8	40°	200	"	P	H2	RA-TB				1-3	25	1-4P			J	95	SD
	P21-9 GS	50°	185	"	P	H2					E2							

STATED BY...
CHECKED BY...
RELEASED FOR CONST. BY...
LINE LEAD...
SHEET NO.

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	S-0937 (9)	1968	63	97

UTILITIES PLAN



STAKING SHEET

SYSTEM DESIGNATION **P-8**

LOCATION **page 22**

TWP. RANGE SECTION

MAP REFERENCE **A-D of H**

PRI WIRES SIZE KIND RULING SPAN

CONTR. OR W/O NO.	POLE NO.	LINE ANGLE	SPAN BACK	WIRE SIZE	POLES H.B.C.	PRI. UNIT CLEAR	TRANS. "G"	GROUND	UNIT "A"	LEAD	ANCHOR UNIT "P"	UNIT "WORK"	SPAN BACK	WIRE SIZE	UNIT "S"	SPAN	WIRE SIZE	LOOP	METER SIZE	NAME AND REMARKS
RETIREMENT	22-R1			60	VC-IN		G1		E2				185	2#8						LINES 5 & 6
	22-R1 GS			30	C9-IN				E1		1-AP									
	22-R2			25							JH									
	22-R2 GS																			
	22-R4 SP			25							JH									
	22-R7 SP			25							JH									
	22-R8 GS			30					E2											

STARED BY

CHECKED BY

RELEASED FOR CONST.

LINE LEAD

STAKING SHEET

SYSTEM DESIGNATION **P-8**

LOCATION **page 22**

TWP. RANGE SECTION

MAP REFERENCE **A-D of H**

PRI WIRES **3** SIZE **1/2 ACSR** KIND **4 CW** RULING SPAN

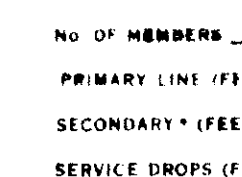
CONTR. OR W/O NO.	POLE NO.	LINE ANGLE	SPAN BACK	WIRE SIZE	POLES H.B.C.	PRI. UNIT CLEAR	TRANS. "G"	GROUND	UNIT "A"	LEAD	ANCHOR UNIT "P"	UNIT "WORK"	SPAN BACK	WIRE SIZE	UNIT "S"	SPAN	WIRE SIZE	LOOP	METER SIZE	NAME AND REMARKS
CONSTRUCTION	P22-1	18°R	185	6#10	65/2	VC-IN			2-3	80			MSC	185	2CSC			2 XT		TRANSFER FORESPAN 2CSC AND MAKE SPLICE
	P22-1 GS			30/4					1-3	20	1-AP									
	P22-2	(180)		EXISTING		G1	(12)		1-2	20	1-AP	K13								
	P22-2 SP			30/4					JH		1XT									
	P22-3			NO CHANGE																
	P22-4 SP			30/4					JH									1-XT		
	P22-5			NO CHANGE																
	P22-6			NO CHANGE																
	P22-7			EXIST					1-3	25	1-AP	K13								
	P22-7 SP			30/4					JH		1-XT							1-XT		
	P22-8			EXIST					2/3	80										
	P22-8 GS			30/4					1-3	25	1-AP									TAP XT

STARED BY

CHECKED BY

RELEASED FOR CONST.

LINE LEAD



SKETCH OF WORK	PRIMARY										GUY		SECONDARY				SERVICE		METER		NAME AND REMARKS
	CONTR. OR WIRE NO.	POLE NO.	UNIT ANGLE	SPAN	WIDE	POLE	PRI. UNIT	R.W. CLEAR	TRANS	GROUND	UNIT	LEAD	ANCHOR UNIT	UNIT	SPAN	NO. WIRES	UNIT	SPAN	NO. WIRES	LOOP	
CONSTRUCTION		P22-1	18°R	185	50PR	P	H2 RA- TB					2-3	80				J	25 SD 1-XSD			
		P22-2		180	"	P	H1														
		P22-3		165	"	P	H1 RA- TB							J				EXIST			
		P22-4		165	"	P	H1							J	165 - USD		J				
		P22-4 SP				P								J	80 SD		J	1-XSD			
		P22-5		185	"	P	H1							J				EXIST			
		P22-6		170	"	P	H1 RA- TB							J	170 USD		J	100 SD			(MAN Need a service pole)
		P22-7		165	"	P	H1														
	P22-8		170	"	P	H1 RA- TB						2-3	75					EXIST			

UTILITIES PLAN



NO. OF MEMBERS _____

PRIMARY LINE (FEET) _____

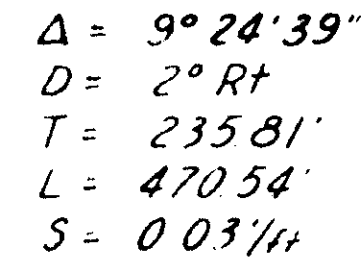
SECONDARY * (FEET) _____

SERVICE DROPS (FEET) _____

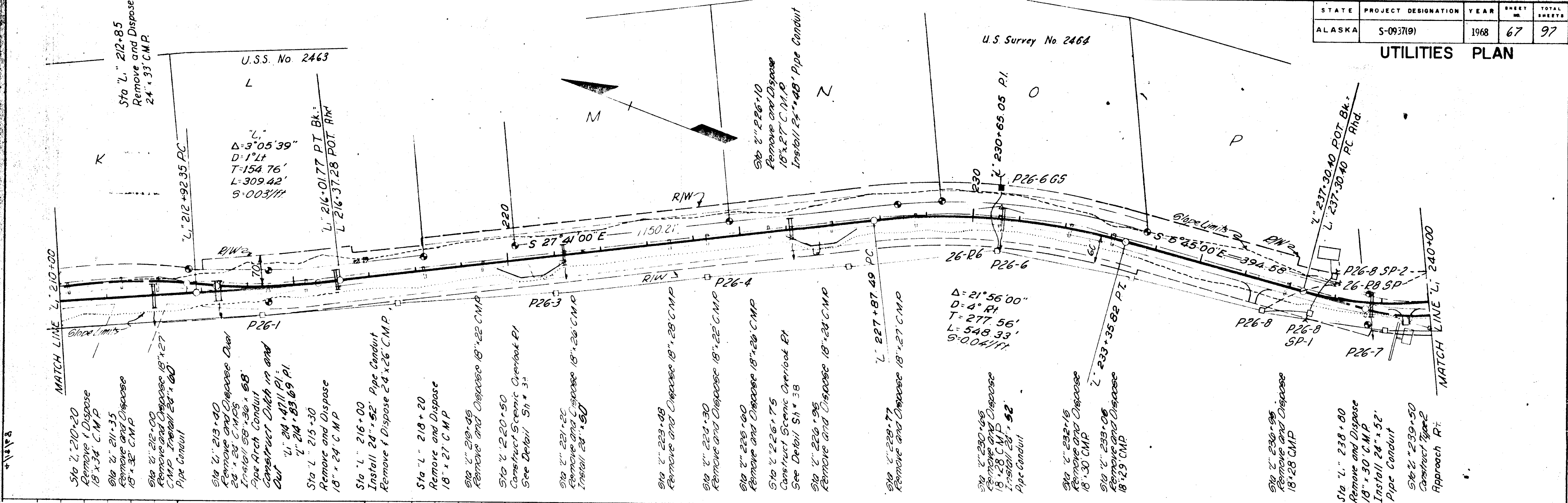
STAKING SHEET

NO OF MEMBERS _____
PRIMARY LINE (FEET) _____
SECONDARY * (FEET) _____
SERVICE DROPS (FEET) _____

STAKED _____ BY _____
CHECKED _____ BY _____
RELEASED FOR CONST _____
TIME _____

Stabco C-1

UTILITIES PLAN



STAKING SHEET SYSTEM DESIGNATION P-S

LOCATION page 26

TWP RANGE SECTION

MAP REFERENCE A-D of H

PRI Wires EXIST SIZE KIND RULING SPAN

NO. OF MEMBERS

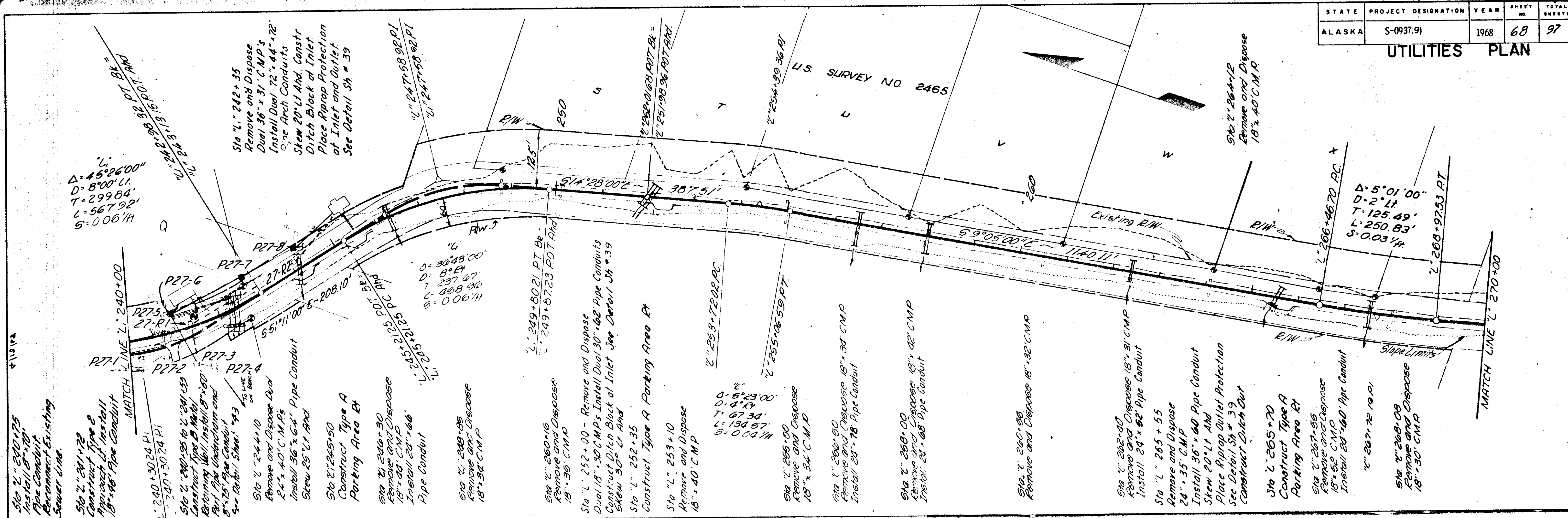
PRIMARY LINE (FEET)

SECONDARY (FEET)

SERVICE DROPS (FEET)

CONTR. NO.	POLE NO.	LINE ANGLE	SPAN	WIRE SIZE	PRIMARY				CUY	ANCHOR	SECONDARY				SERVICE		METER		NAME AND REMARKS
					POLES H.B.C.	PRI. UNIT	R.W. CLEAR	TRANS. G.			UNIT	SPAN	WIRE SIZE	UNIT	SPAN	WIRE SIZE	LOOP	METER SIZE	
CONSTRUCTION	P26-6	EXIST							2-3	10									
	P26-6 GS	30/4							1-3	20	1-4P								
	P26-8 SP-1	35/4							1-3	20	1-4P	JII	1-XT						
	P26-8 SP-2	30/4							1-3	15	1-4P	JII	1-XT	EXIST					
RETIREMENT	24-R6								E1										
	24-R8 SP	25							E1		JII								

UTILITIES PLAN



STAKING SHEET

SYSTEM DESIGNATION: P-S

LOCATION: page 27

TWP: RANGE: SECTION:

MAP REFERENCE: A-D.F.H.

PRI WIRES: EXIST SIZE: KIND: RULING SPAN:

NO. OF MEMBERS: _____

PRIMARY LINE (FEET): _____

SECONDARY (FEET): _____

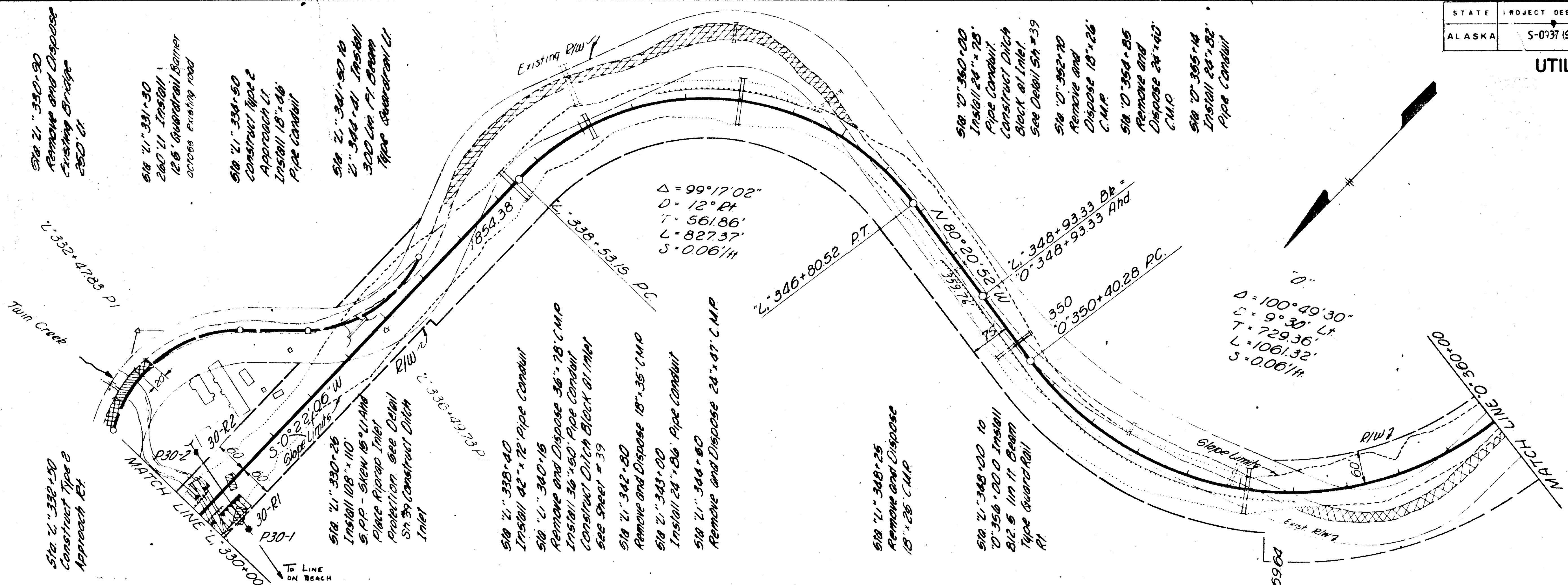
SERVICE DROPS (FEET): _____

CONSTRUCTION	CONTRACT NO.	POLE NO.	LINE ANGLE	SPAN	WIRE SIZE	H.B.C.	P.R. UNIT	N.W. CLEAR	TRANS. C.	GROUND M.	UNIT	LEAD	ANCHOR UNIT	UNIT JOBS	SPAN	NO. WIRES	SERVICE	METER	NAME AND REMARKS
	P27-6	120	2 1/4	40/4	87N	G-1	(5)	1-2	1-3	25	1-4P	K13	XT						MOD TO BE TRANSFERRED BY CITY
	P27-7		35/4										J11	170	2TPX				
	P27-8		35/4								1-3	20	1-4P	J11	130	2TPX	120	2TPX	
RETIREMENT	27-R1	85	2 1/4	35	87N	G-1					E1		K13						
	27-R2		30								E1		J11	250	2TPX	130	2TPX		

L 344+15.01 P.I.

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	S-0737 (9)	1968	69	97

UTILITIES PLAN



STAKING SHEET

SYSTEM DESIGNATION P-S

LOCATION page 30

TWP RANGE SECTION

MAP REFERENCE A-D of H

PRI WIRES EXIST SIZE KIND RULING SPAN

SKETCH OF WORK	CONTR. NO.	POLE NO.	LINE ANGLE	SPAN BACK	WIRE SIZE	POLES H.B.C.	PRI. UNIT	H.W. CLEAR	TRANS. 'G	GROUND	UNIT 'E	LEAD	ANCHOR UNIT 'F	SECONDARY		SERVICE		METER		NAME AND REMARKS
														UNIT	SPAN	UNIT	SPAN	UNIT	SPAN	
CONSTRUCTION		P30-1			1-XP	45/4	B7-W													
		P30-2			1-XP	45/4	B7-W	G-1	1-2	1-3	20	1-4P				K13	1-XT			MOR
RETIREMENT		30-R1				35	B7-W													
		30-R2				36	B7-W	G			E1					K13				

Sheet C-171

NUMBER POLES ON SKETCH AT TAPS, CORNERS, TRANSFORMERS AND DEADENDS. INDICATE RETIRED UNITS WITH "R" REPLACED UNITS "R" RESET METERS AND TRANSFORMERS "R"

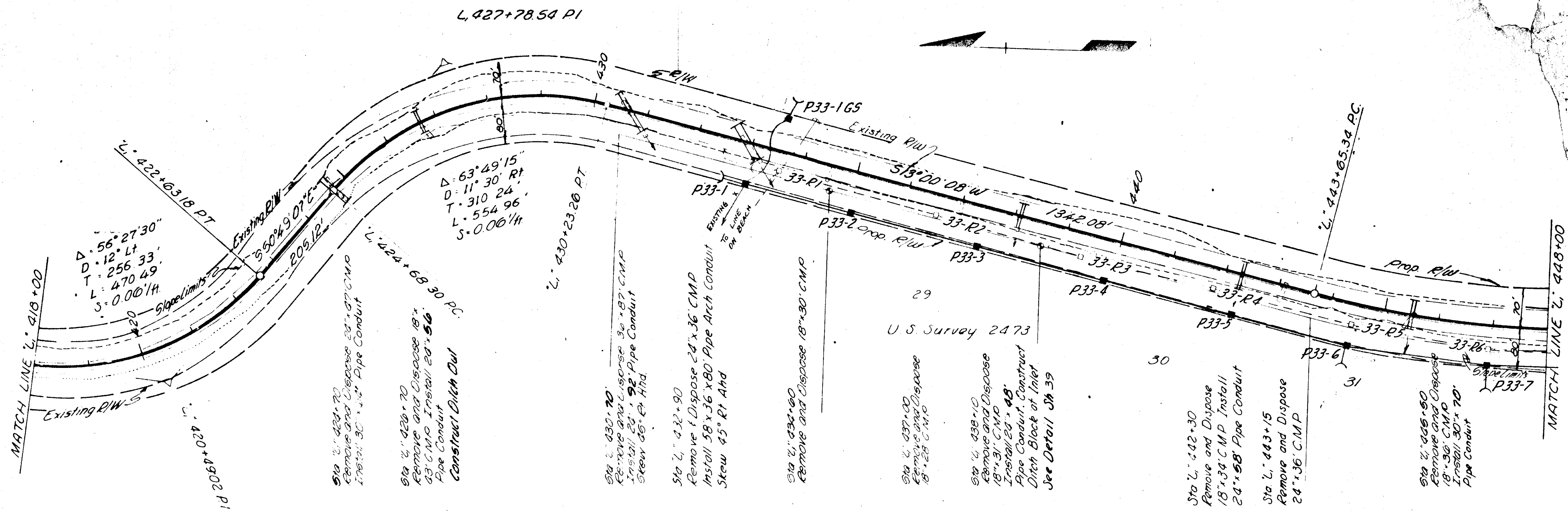
STAKED BY

CHECKED BY

RELEASED FOR CONST

LINE LEAD

SHEET NO. 69



STAKING SHEET

SYSTEM DESIGNATION P-10

NO. OF MEMBERS
PRIMARY LINE (FEET)
SECONDARY (FEET)
SERVICE DROPS (FEET)

LOCATION page 33

TWP. RANGE SECTION

MAP REFERENCE A-D of H

PRI WIRES 3 SIZE #10 KIND APAC RULING SPAN

CONSTRUCTION	CONTR. OR W.C. NO.	PILE NO.	LINE ANGLE	SPAN	WIRE	P.O.L.E. NO.	P.R.I. UNIT	A.W. UNIT	TRANS. G.	GROUND	GUY UNIT	ANCHOR UNIT	SECONDARY UNIT	NO. WIRES	SERVICE UNIT	METER SITE	NAME AND REMARKS
	P33-1	60R	EXIST	65/2	VC-1W	30					2/1-3	40	1-4P	MSC	240		TRANSFER OPEN WIRE SIGNAL CMT. DEAD-END OPEN WIRE P.W. SC.
	P33-1 GS			30	VC-1W	40					2/1-3	25	1-4P	MSC	240		
	P33-2	175	3#1/2	260	VC-1W	30								MSC	240		TRANSFER X2CSC
	P33-3	240	"	220	VC-1W	30								MSC	240		"
	P33-4	240	"	240	VC-1W	30								MSC	240		"
	P33-5	240	"	240	VC-1W	30								MSC	240		"
	P33-6	90L	"	240	VC-2W	30					1-3	40	1-4P	MSC	240		"
	P33-7	80L	"	250	VC-2W	30					1-3	40	1-4P	MSC	250		"
RETIREMENT	33-R1			3#1/2	VC-4W	60					2/E1						
	33-R1 GS			40	VC-4W						2/E2						
	33-R2	300	"	55	VC-1W												
	33-R3	275	"	55	VC-1W												
	33-R4	250	"	55	VC-1W												
	33-R5	260	"	55	VC-2W						E1						
	33-R6	255	"	55	VC-2W						E1						

STAKED BY

CHECKED BY

RELEASED FOR CONST

LINE LEAD

Missing pages 70 -97