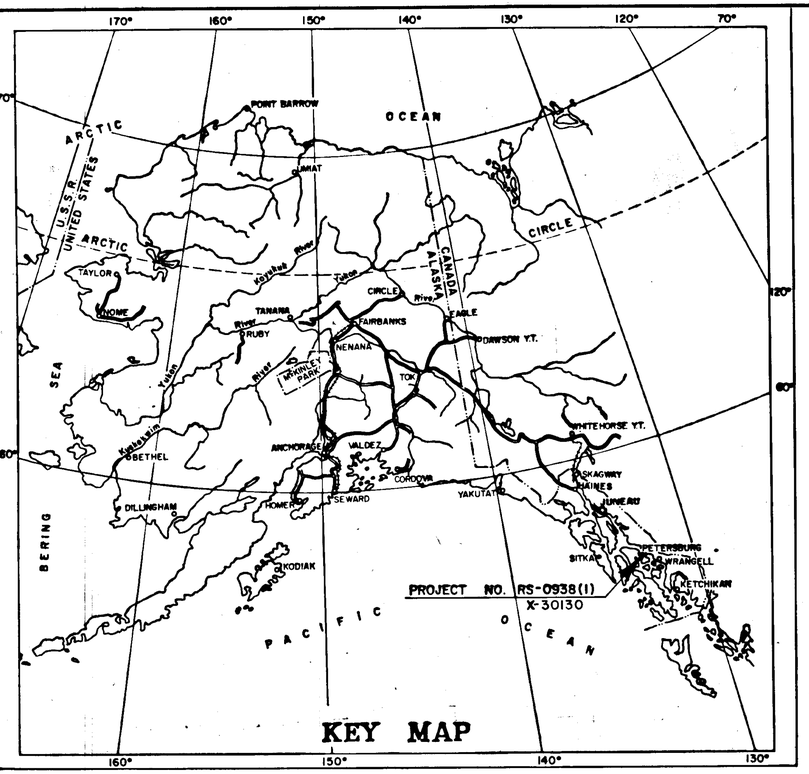
STATE	PROJECT	SHEET NO.	TOTAL SHEETS
ALASKA	RS-0938(1)	1	34

X-30130

STATE OF ALASKA
DEPARTMENT OF HIGHWAYS

PLAN AND PROFILE
PROPOSED HIGHWAY PROJECT
PETERSBURG "H" STREET FROM MAIN STREET TO EIGHTH STREET
GRADING, PAVING, & DRAINAGE
& PEDESTRIAN ACCESS
EIGHTH ST. TO THE AIRPORT
RS-0938(1)
X-30130



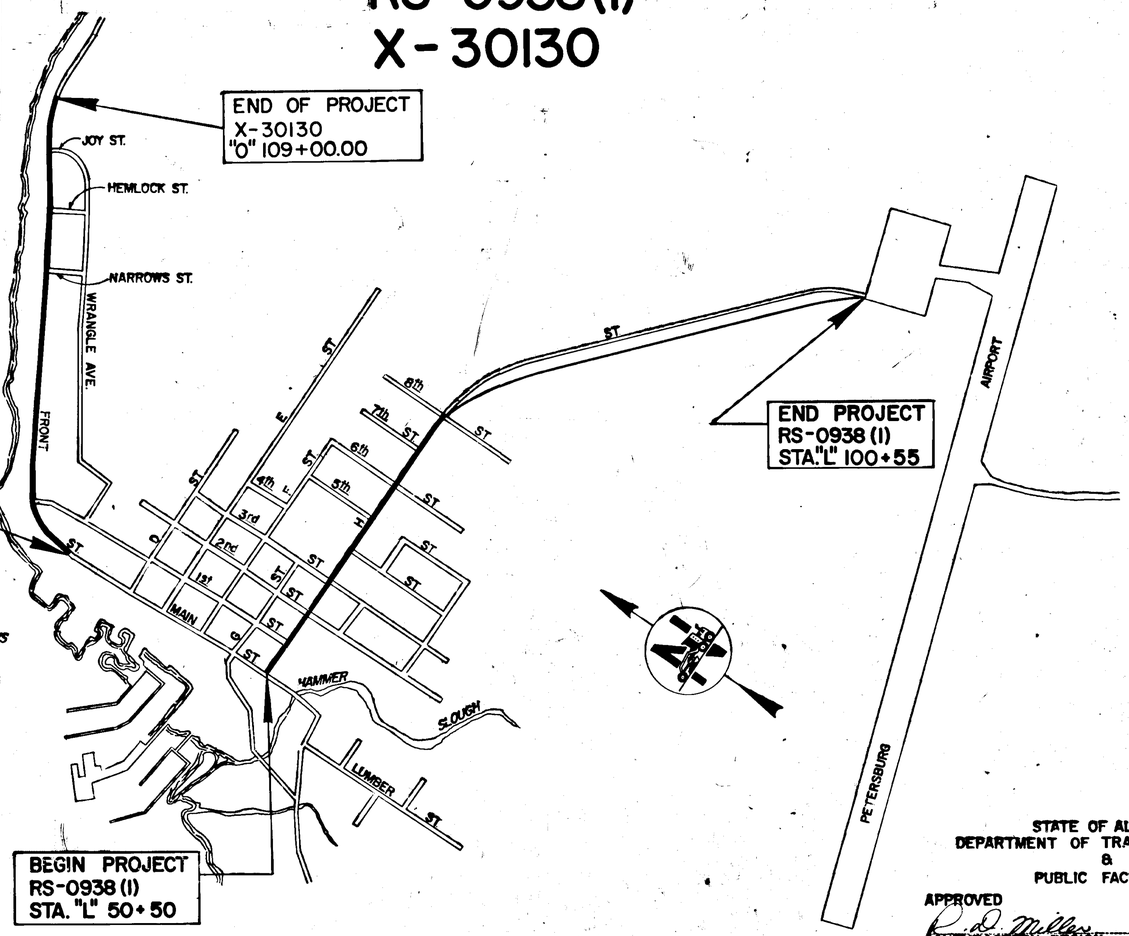
KEY MAP

PROJECT SUMMARY

WIDTH OF SUBGRADE	=	32.5'
WIDTH OF PAVEMENT	=	28.5'
LENGTH OF PAVEMENT	=	1997.55' = 0.378 MI.
LENGTH OF GRADING	=	1997.55' = 0.378 MI.
LENGTH OF PROJECT	=	5005' = 0.948 MI.

DESIGN DESIGNATION

ADT 1979	=	500
ADT 1999	=	1095
DHV 12 %	=	130
D	=	60-40
T	=	5 %
V	=	30
T.I.	=	6.5



INDEX OF SHEETS

THESE STANDARD DRAWINGS SHALL APPLY TO THIS PROJECT
A-1, C-00.04, C-10.03, C-11.03, D-04.00, D-20.10, D-23.01, D-24.13, D-26.02, D-27.10, I-20.01, I-80.00, M-05.01, M-16.03, S-00.11, S-05.00 S-30.12, T-20.03, T-21.02, U-03.00

AS-BUILT PLANS

CONTRACTOR: BUNO CONST. CO.

PROJECT ENGINEERS: VINCE RHEA 5/30/80 to 12/5/80
BILL BOYD 12/5/80 to 6/20/81

BEGINNING DATE: 5-28-80

COMPLETION DATE: 6-4-81

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES

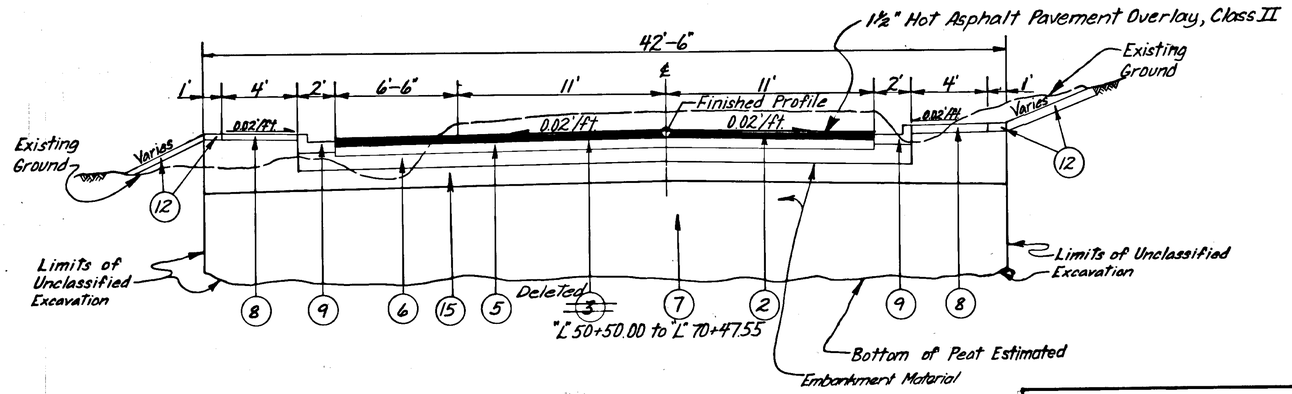
APPROVED R. D. Miller Date 7-13-79
for SOUTHEASTERN REGION
DESIGN/CONSTRUCTION ENGINEER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES

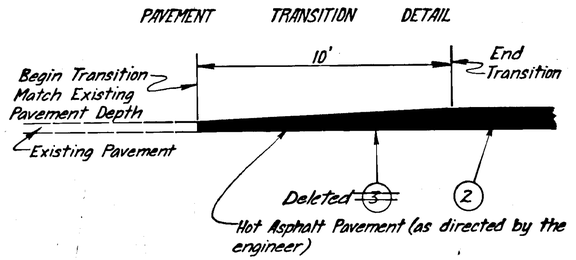
APPROVED Charles D. Forbes Date 12-7-79
DIRECTOR-HIGHWAY DESIGN & CONSTRUCTION

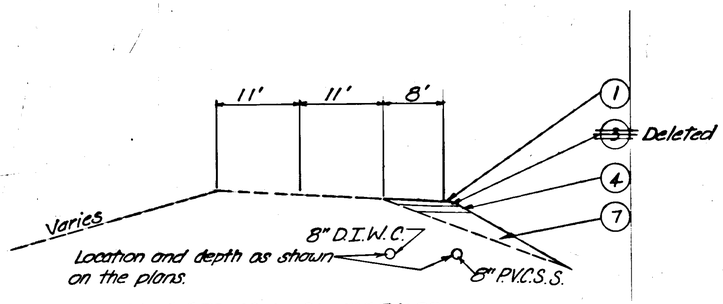
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	RS - 0938(1) X - 30130	1979	2	34

TYPICAL SECTIONS

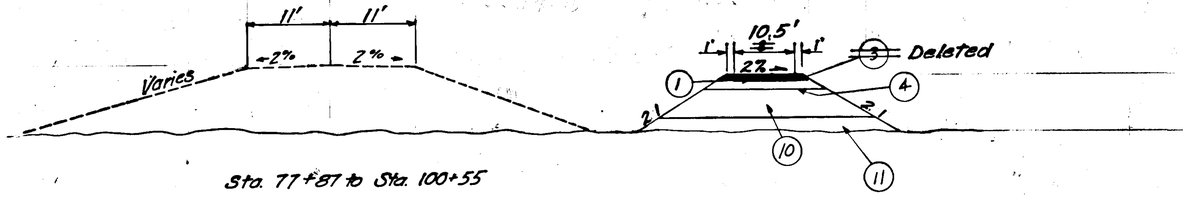


TYPICAL SECTION ROADWAY





Sta. "L" 70+29 to Sta. "L" 74+00
For Typical Sta. 74+00 to Sta. 77+87 See Sheet 30



Sta. 77+87 to Sta. 100+55

TYPICAL SECTIONS PEDESTRIAN ACCESS

BASIS OF ESTIMATE	
Item No.	Estimating Factor
304(1)	1.95 Tons per cu. yd.
301(1)	1.95 Tons per cu. yd.
401(1)	116 lbs. per sq.yd. Inch depth
401(2)	6% Item 401(1)
~~403(1)~~	~~0.25 Gal. per sq.yd. 256 Gal. per ton~~ Deleted

LABELING INDEX

(1)	~~1½"~~ 2½" Hot Asphalt Pavement (Class I)
(2)	2½" Hot Asphalt Pavement (Class I)
(3)	~~MC-30 Liquid Asphalt for Prime Coat~~ Deleted
(4)	4" Crushed Agg. Base Course
(5)	6" Crushed Agg. Base Course
(6)	9" Subbase (Grading A)
(7)	Embankment Material
(8)	4" Concrete Sidewalk
(9)	Standard Curb & Gutter
(10)	Embankment Material (for method of Payment see, 555-401 of the special provisions)
(11)	~~Corduroy~~ Over Muskeg Mirlit
(12)	4" Topsoil
(13)	8" Ductile Iron Water Main
(14)	8" Ductile Iron Sewer Main
(15)	"12" Material conforming to the requirements of Section 703-2.07

PROJECT X-30130
Shall consist of Topsoil and Seeding on a previously constructed project as shown on the Title sheet and as directed by the engineer.

GENERAL NOTES

1. Grades shown on these plans are subject to minor revisions.
2. Superelevations shall revolve around the ℄, see Standard Drawing 1-80.00.
3. Corduroy may be encountered in various areas under the exist. roadway up to sta. "L" 67+00. Corduroy will be encountered abd. of "L" 67+00.
4. The locations of all utilities shown on the plans are approx. only & should be field verified with the utility.
5. The installation, adjustment, or removal of utility poles & appurtenances shall be performed by others & are not considered items of work under this contract.
6. Removal of existing concrete or wood walkways & concrete driveways shall be considered incidental to item 202(1).
7. Regrade all existing approaches at curb cuts with Crushed Aggregate base course as directed by the engineer.
8. All stairs & walkways shall be field fit to give a suitable approach to the property owner & shall conform to standard drawing M-05.01.
9. The existing manholes & sewer were excavated to & bedded on hard pan. Peat excav. below them will not be required. It shall be the contractors responsibility to protect them as per Gen. Note 14.
10. Clearing & grubbing limits shall be 5' beyond slope limits in a fill section or to the R/W whichever is less.
11. All existing signs shall be removed by the contractor and returned to the State of Alaska Dept. of Trans. as directed by the engineer. This work shall be considered incidental to other items of work and no separate payment shall be made therefore.
12. The area to be seeded shall be from the back of sidewalk to the clearing limits. The paved pedestrian access path shall be excluded from this area.
13. Regrading of side street ditches to drain will not be measured or paid for but shall be incidental to Item 203(3) Unclassified Excavation.

GENERAL NOTES (Con't)

14. Protection of existing underground utilities shall be considered incidental to item 203(3) "Unclassified Excavation". No measurement or payment shall be made for this required protective work.
15. Removal of existing pavement shall be paid for under item 203(3), "Unclassified Excavation," & no separate payment shall be made therefore.
16. Existing asphalt pavement to be removed shall be broken into pieces not to exceed 75 lbs. & mixed in with the borrow in a manner that will eliminate large voids and meet with the engineers approval.
17. Disposal of project unclassified excavation waste & other items to be wasted during construction shall be in a disposal area to be provided by the contractor.
18. Curb inlets, storm inlets, & culvert lengths & locations are subject to minor revisions.
19. Pay for wood stairs & walkways to match exist. woodwalks shall be incidental to item 608(1A). Repairs at stations "L" 58+89, "L" 60+43, "L" 61+58, & "L" 63+02 shall be necessary totaling approx. 100 board feet of lumber. See detail on sht. 31.
20. The exist. elec. poles & houses adjacent to the construction activities shall be protected by bracing or other approved means. Such protection shall be incidental to other items of work.
21. Any connections between the existing concrete walkways & the new sidewalks shall be paid for as 4" sidewalk. If steps are required the height of the risers & the width of the tread will be included in the measurement. Any connections between existing concrete driveways & the new curb cuts for driveways shall be paid for as 6" driveway.
22. Water & sewer service shall be maintained to existing residences until the new services are operational.

ESTIMATE OF QUANTITIES

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	RS-0938(1) X-30130	1979	3	34

ITEM No	ITEM	UNIT	SHEET NUMBERS 7	8	9	10	11	12	13	14	15	26	27	28	29	30	RS-0938(1) Subtotal	X-30130 Subtotal	TOTAL
1	Furnishing and Maintaining Engineering Facilities	L.S.															All Req'd.		All Req'd.
110(1)	Mobilization	L.S.															All Req'd.	All Req'd.	All Req'd.
111(1)	Temporary Erosion and Pollution Control	C.S.															All Req'd.	All Req'd	All Req'd.
401(1A)	Hot Asphalt Pavement (Class II)	L.S.																	All Req'd.
114(1)	Construction Engineering	L.S.															All Req'd.	All Req'd.	All Req'd.
115(1)	Traffic Maintenance	L.S.															All Req'd.		All Req'd.
401(2A)	AC-5 Asphalt Cement	L.S.																	All Req'd.
401(1B)	Hot Asphalt Pavement (Class II), 1½" Overlay	L.S.																	All Req'd.
401(2B)	AC-5 Asphalt Cement, 1½" Overlay	L.S.																	All Req'd.
202(1)	Removal of Structures and Obstructions	L.S.															All Req'd.		All Req'd.
202(4)	Removal and Disposal of Culvert Pipe	L.F.	167	492	309	20											988		988
~~202(5)~~	~~Removal and Disposal of Manholes~~ Deleted (C.O. #2)	~~Ea.~~												‡			‡		‡
203(3)	Unclassified Excavation	Cu. Yd.	7,834	8,666	8,666	4,634	2,000										31,800		31,800
301(1A)	Crushed Agg. Base Course, Rejected Asphalt	L.S.																	All Req'd.
203(5D)	Embankment	Cu. Yd.	6875	7,472	7,472	2,959	2,000										26,778		26,778
301(1)	Crushed Aggregate Base Course	Ton	647	727	738	446	131	132	132	62	131						3,146		3,146
304(1)	Subbase Grading A	Ton	1,152	1,282	1,292	632											4,358		4,358
401(1)	~~Hot Asphalt Pavement Class I~~ Deleted (E.W.O. #18)	Ton	282	317	317	203	46	46	46	23	38						1,318		1,318
401(2)	~~AC-5 Asphalt Cement~~ " " "	Ton	16.3	18.4	19.1	11.2	3	3	3	1.5	3.5						79		79
~~403(1)~~	~~MC-30 Liquid Asphalt for Prime Coat~~ Deleted	Ton															10.0		10.0
555(1)	Contractor Designed & Constructed Access Path	L.S.															All Req'd.		All Req'd.
603(21A)	Pipe Conduit Connection	Ea.			1												1		1
603(22C)	12" Pipe Conduit	L.F.		42	160												202		202
603(22E)	18" Pipe Conduit	L.F.	64	310	1002												1,376		1,376
603(22G)	24" Pipe Conduit	L.F.		529	87												616		616
603(22H)	30" Pipe Conduit	L.F.	661	123													784		784
604(1)	Storm Sewer Manhole	Ea.	1														1		1
604(2)	Sanitary Sewer Manhole	Ea.												1	1	5	7		7
604(3)	Reconstruct Existing Manhole	Ea.										1					1		1
604(4)	Adjust Existing Manholes	Ea.										1	3	2			6		6
604(5A)	Type A Curb Inlets	Ea.	1	2	7												10		10
604(5B)	Type B Curb Inlets	Ea.	3	3	1												7		7
628(12)	Connect New 8" D.I.W.C. to existing 6" Transite Water Main - L.S. - E.W.O. #17																		All Req'd.
604(7A)	24" Pipe Conduit Inlets	Ea.		6	13												19		19
604(7B)	36" Pipe Conduit Inlets	Ea.		3													3		3
605(6)	Subsurface Underdrain	L.S.															All Req'd		All Req'd.
~~607(4)~~	~~Fence Reconstruction~~ Deleted (C.O. #1)	~~L.F.~~			~~67~~												~~67~~		~~67~~
608(1A)	4" Sidewalk	Sq. Yd.										428	454	416	131		1,429		1,429
608(1B)	6" Sidewalk	Sq. Yd.										49	62	80	49		240		240
609(2)	Standard Curb and Gutter	L.F.	1,080	1,190	1,182	419											3,871		3,871
614(1)	Survey Monuments	Ea.	1			1											2		2
614(2)	Survey Monument Cases	Ea.	1			1											2		2
615(1)	Standard Signs	Sq. Ft.	51.31	44.14	42.64	31.32					4						173.41		173.41
618(1)	Seeding	MSF	6.8	6.6	5.2	2.3									5.9	3.2	30.0	70	100
618(2)	Water for Maintenance	M. Gal.															30	70	100
626(2A)	Repair 4" Sanitary Sewer Service (E.W.O. #1)	L.S.																	All Req'd
621(5)	Replanting Fir Trees (E.W.O. #2)	L.S.																	All Req'd
605(6A)	Subsurface Underdrain Special (E.W.O. #3)	Ea.																	4
626(1B)	6" PVC Sewer Main	L.F.											86				86		86
626(1C)	8" Ductile Iron Sewer Main	L.F.										20	40	20	119		199		199
626(1D)	8" PVC Sewer Main	L.F.										45		295	486	436	1,262		1,262
626(1E)	6" PVC Sewer Services	L.F.										205	375	250	229		1,059		1,059
627(1)	Watering	M. Gal.															30		30
628(2B)	Relaying of Existing Water Main (E.W.O. #6)	L.F.																	443
628(2A)	8" Ductile Iron Water Conduit	L.F.										437	770	396	370	430	2,403		2,403
628(4)	Install Valve Box	Ea.										4	6	2	1		13		13
628(6)	Fire Hydrant Installation	Ea.											1	1			2		2
628(8)	Fire Hydrant Removal	Ea.											1	1			2		2
628(9A)	3/4" Water Service Connection	Ea.										12	14	10	4		40		40
628(9B)	1" Water Service Connection	Ea.												1			1		1
660(9)	Repair Electrical Conduits (E.W.O. #7)	L.S.																	All Req'd.
628(10A)	Install 8" Gate Valve	Ea.										4	6	2	1		13		13
628(11)	Adjustment of Valve Box	Ea.										1		1			2		2
635(1)	Insulation Board	M.B.M.										4.27	1.35	0.96	0.38		7		7
670(1)	Painted Traffic Markings	L.S.															All Req'd.		All Req'd.
670(6)	Thermoplastic Pavement Markings	L.S.															All Req'd.		All Req'd.
605(6B)	Subsurface French Drain (E.W.O. #8)	L.S.																	All Req'd.
628(12)	Relocate Existing Water Meters (E.W.O. #9	Ea.																	4
608(3)	Retaining Wall for 4" Sidewalk (E.W.O. #10)	L.S.																	All Req'd
608(5)	8" Retaining Wall (E.W.O. #11)	L.S.																	" "
203(10)	Regrading of Existing Driveways (E.O.W. #12)	L.S.																	" "
603(22I)	Special Outlet for Storm Drain (E.W.O. #13)	L.S.																	" "
603(35)	Extend Parking Lot Storm Drain (E.W.O. #15)	L.S.																	" "
501(1A)	Concrete Price Adjustment (E.W.O. #4)	L.S.																	All Req'd.

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	RS - 0938 (1)	1979	4	34

MISCELLANEOUS SUMMARY TABLES

SLOPE LIMITS

STATION	LEFT	RIGHT
"L" 50+50	24'	24'
"L" 51 ~	24'	21'
"L" 51+50	25'	23'
"L" 52 ~	25'	23'
"L" 52+57.13		23'
"L" 53 ~	25'	22'
"L" 53+50	25'	23'
"L" 54 ~	25'	23'
"L" 54+50	25'	25'
"L" 55+50	32'	25'
"L" 56 ~	32'	25'
"L" 56+50	33'	25'
"L" 57 ~	31'	25'
"L" 58 ~	25'	24'
"L" 58+50	25'	23'
"L" 59 ~	25'	21'
"L" 59+50	29'	25'
"L" 60+50	25'	25'
"L" 61 ~	25'	24'
"L" 61+50	25'	24'
"L" 62 ~	25'	23'
"L" 62+57.13		
"L" 63 ~	25'	22'
"L" 63+50	25'	23'
"L" 64 ~	25'	21'
"L" 64+50	25'	20'
"L" 65+50	25'	22'
"L" 66 ~	25'	20'
"L" 66+50	25'	22'
"L" 67 ~	25'	23'
"L" 67+07.13		24'
"L" 68 ~	27'	32'
"L" 68+50	28'	20'
"L" 69 ~	29'	21'
"L" 69+50	35'	22'

SEWER MAIN SUMMARY

SIZE	L.F.	TYPE	STATION		OFFSET	REMARKS
8"	~~45~~ 54'	P.V.C.	from "L" 55+07	℄		Connect to Exist. M.H.
			to "L" 55+07 54'	~~45~~ Lt.	" " "	Line
8"	20'	D.I.	from "L" 55+07		5' Rt.	P.V.C.
			to "L" 55+07		25' Rt.	Line
6"	~~40~~ 41'	P.V.C.	from "L" 57+39		1' Rt.	M.H.
			to "L" 57+39 40'	~~45~~ Lt.	" " "	Line
~~6"~~ Deleted	~~40'~~	~~P.V.C.~~	~~from "L" 57+39~~		~~1' Rt.~~	~~M.H.~~
			~~to "L" 57+39~~		~~41' Rt.~~	~~4" A.C.~~
~~8"~~ Deleted	~~20'~~	~~D.I.~~	~~from "L" 57+62~~	℄	" " "	~~8" P.V.C.~~
			~~to "L" 57+82~~	℄	" " "	~~8" P.V.C.~~
8"	20'	D.I.	from "L" 60~~+07~~ +10	℄	Connect to Exist. M.H.	
			to "L" 60+~~27~~ +30	℄	" " "	P.V.C.
8"	~~20'~~ 25'	D.I.	from "L" 62+~~64~~ +59	℄	" " "	M.H.
			to "L" 62+~~84~~ +84	℄	" " "	P.V.C.
8"	~~252'~~ 251'	P.V.C.	from "L" 65+07	℄	" " "	M.H.
			to "L" 67+57	℄	" " "	M.H.
8"	252'	P.V.C.	from "L" 67+57	℄	Connect to Exist. M.H.	
			to "L" 70+07		22' Lt.	Connect to New M.H.
8"	114'	P.V.C.	from "L" 70+07		22' Lt.	" " " M.H.
			to "L" 71+14		7' Rt.	" " " 8" D.I.
8"	119'	P.V.C. ~~D.I.~~ C.O.#3	from "L" 71+14		7' Rt.	" " " 8" P.V.C.
			to "L" 72+32		23' Rt.	" " " 8" P.V.C.
8"	172'	P.V.C.	from "L" 72+32		23' Rt.	" " " 8" ~~D.I.~~ P.V.C.
			to "L" 74+09		255' R	" " " M.H.
8"	~~102'~~ 101'	P.V.C.	from "L" 74+09		255' R	" " " M.H.
			to "L" 75+10		455' R	" " " M.H.
8"	~~145'~~ 151'	P.V.C.	from "L" 75+10		455' R	" " " M.H.
			to "L" 76+61		455' R	" " " M.H.
8"	~~114'~~ 120'	P.V.C.	from "L" 76+61		455' R	" " " M.H.
			to "L" 77+81	40'	~~455'~~ R	" " " M.H.
8"	~~66'~~ 63'	P.V.C.	from "L" 77+81	40'	~~455'~~ R	" " " M.H.
			to "L" 78+07	17'	~~16~~ Lt.	Connect to New M.H.

8" 33' P.V.C. "L" 55+91 Connect to Existing

PIPE CONDUIT REMOVAL

STATION	LINEAR FEET	OFFSET LEFT	OFFSET RIGHT
"L" 51+23.00 02	20'		~~16.5~~
"L" 52+~~85.00~~ 51	~~5~~ 15'		~~17.5~~ 15'
"L" 53+~~82.00~~	~~5~~ 20'	18'	~~17~~
"L" ~~53+15.00~~ 52+50	16 20'	18'	~~17.5~~
"L" ~~53+38.00~~ = 52+67.5	~~5~~ 15'		~~17.5~~ 15'
"L" 53+89.00	~~42~~ 48'	15'	
"L" ~~53+65.00~~ Not Removed	~~8~~	~~18.7~~	
"L" ~~53+92.00~~ Not Removed	~~6~~	~~18.2~~	
"L" ~~54+22.00~~ Not Removed	~~4~~		~~17.5~~
"L" 56+~~07.00~~ 10	20'		~~15.4~~ 16'
"L" 56+~~24.00~~ 28	7'		~~14.2~~ 15'
"L" ~~57+07.00~~ Not Removed	~~56~~	~~27.5~~	
"L" 57+34.00	~~56~~ 57'	40'	16.3'
"L" ~~57+57.00~~ Not Removed	~~120~~	~~55~~	
"L" 57+58.00	38'		18.2'
"L" 58+10.00	9'	16'	
"L" 58+30.00	~~9~~ 8'		16.3'
"L" 53+13	16'	18'	
"L" 58+64.00	17'		16.1'
"L" 58+88.00	9'	16'	
"L" 59+24.00	~~32~~ 29'		16.6'
"L" 59+48.00	22'	15.8'	
"L" 60+07.00	48'		18.3'
"L" 60+44.00	~~26~~ 25'	16'	
"L" 60+76.00	~~24~~ 25'		18.8'
"L" 61+~~58.00~~	~~8~~ .5'	15.8'	
"L" 61+79.00	20'		17'
"L" 61+~~95.00~~ 90	~~27~~ 26'	16.2'	
		17' to 32'	
"L" 62+75.00	~~12~~ 15'	~~16~~ to 28'	
"L" 62+~~69.00~~ 67	~~32~~ 53'	~~15.4~~ 16'	
"L" 63+~~02.00~~ ~~03~~	~~6~~ 5'		18'
"L" 63+~~02.00~~ 03	5'	16.5'	
"L" 63+40.00	26'		18'
"L" 63+67.00	16'		18'
"L" 64+~~08.00~~ 05	29'	17'	
"L" 64+26.~~00~~ 54	17'		17.8'
"L" 65+06.00	~~32~~ 33'		~~21.8~~ 21'
"L" 65+08.00	~~27~~ 25'	~~15.4~~ 16'	
"L" 65+62.00	5'		17.2'
"L" 65+87.00	20'		16.6'
"L" 66+22.00	20'	15.6'	
"L" 66+66.00	~~22~~ 20'	14.5'	
~~"L" 66+70.00~~ Not Removed	~~20~~		~~18.8~~
"L" 68+~~28.00~~ 25	~~20~~ 23'	~~17.5~~ 18'	

MANHOLE SUMMARY

STATION	OFFSET	REMARKS
"L" 52+57 1	2.5' Rt.	Reconstruct
"L" 55+07	℄	Adjust
"L" 57+39	~~10' Rt.~~ ℄	"
"L" 57+57	℄	"
"L" 60+07	℄	"
"L" 62+57	℄	"
"L" 65+07	℄	Reconstruct
~~"L" 67+04~~	~~℄~~	~~Remove~~ Deleted (C.O.#2)
"L" 67+57	℄	Install
"L" 70+07	22' Lt.	"
"L" 74+09	255' Rt.	"
"L" 75+10	455' Rt.	"
"L" 76+61	455' Rt.	"
"L" ~~77+81~~ 78+05	~~455'~~ Rt.	40' Rt. "
"L" 78+07	~~16~~ Lt. 17	"
"L" 59+94	℄	Adjusted

MONUMENT SUMMARY

STATION	INSTALL MONUMENT	INSTALL CASE	REMARKS
"L" 54+00.00	X	X	P.O.T.
"L" 69+49.15	X	X	P.C.

CURB CUT SUMMARY

STATION	WIDTH	LEFT	RIGHT	REMARKS
"L" 51+~~24.00~~ 23	14'		X	
"L" 52+~~10.00~~ 09	24'		X	
"L" 53+~~14.00~~ 13	14'		X	
"L" 56+~~08.00~~ 07	14'		X	
"L" 58+~~63.00~~ 62	~~14~~ 15'		X	
~~"L" 58+89.00~~	~~14'~~	~~X~~	Deleted	
"L" 59+~~25.00~~ 29	14'		X	
"L" 59+~~48.00~~ 50	14'	X		
~~"L" 60+43.00~~	~~14'~~	~~X~~	Deleted	
"L" 60+75.00	14'		X	
"L" 61+~~80.00~~ 79	14'		X	
"L" 53+50	14'	X		
"L" 61+~~92.00~~ 89	14'	X		
~~"L" 62+86.00~~	~~14'~~	~~X~~	Deleted	
"L" 63+~~37.00~~ 38	14'		X	
"L" 63+~~67.00~~ 66	14'		X	
"L" 64+~~05.00~~ 03	14'	X		
"L" 58+50 1	20'	X		
~~"L" 64+26.00~~ 65+25	~~14~~ 20'	X	~~X~~	
"L" 65+~~84.00~~ 88	14'		X	
"L" 66+20.00	14'	X		
"L" 66+~~66.00~~ 67	~~14~~ 12'	X		
"L" 66+~~70.00~~ 76	14'		X	
"L" 61+15	14'	X		
"L" 68+~~28.00~~ 30	14'	X		
"L" 68+~~63.00~~ 59	~~14~~ 17'		X	
"L" 69+~~04.00~~ 05	24'	X		
"L" 69+~~25.00~~ 18	34'		X	

PIPE CONDUIT SUMMARY

STATION	PIPE LENGTH 12"	18"	24"	30"	SLOPE	REMARKS
1ST ST. 13+~~37~~ 03			61'	~~92~~	~~2.00%~~	P-1A 2.38%
1ST ST. 10+35	36' Subsurface Drain				+~~58~~%	Perf. #1 1.11%
1ST ST. 10+35			~~225~~	~~224~~	15.64%	P-1 2.48%
"L" 52+87			41'	~~34~~	1.72%	P-2 2.80%
"L" 52+88.5			252'	~~250~~	1.85%	P-3
"L" 55+~~36~~ 40		~~34~~	145'		~~1.00%~~	P-4A 0.20%
"L" 55+~~43.3~~ 46		~~30~~	32'		1.90%	P-4 2.40%
"L" 55+40.5			186'	~~184~~	3.26%	P-5
"L" 57+28.26		~~65~~	70'		1.00%	P-6
3RD ST. 10+50		~~38~~	42'		2.37%	P-7 3.52%
"L" 57+26.5			64'		2.72%	P-8
3RD ST. 9+~~41.65~~ 437			~~58~~	57'	~~1.74%~~	P-9 1.00%
3RD ST. 9+~~30~~ 32		64'			0.67%	P-10 1.30%
"L" 57+93.3		~~30~~	32'		~~2.00%~~	P-11 2.10%
"L" 57+90.5			~~248~~	250'	~~2.02%~~	P-12 2.04%
"L" 58+82	~~42~~	43'			~~13.60%~~	P-13 12.10%
4TH ST. 10+~~50~~ 51		~~38~~	41'		~~1.00%~~	P-14 1.10%
"L" 60+46		~~42~~	43'		~~1.00%~~	P-15 4.80%
"L" 60+43.3		~~30~~	32'		~~1.00%~~	P-16 1.40%
"L" 60+39			184'		~~2.95%~~	P-17 2.86%
"L" 62+28.08		~~58~~	52'		~~1.76%~~	P-18 3.10%
"L" 62+25		~~32~~	34'		~~1.00%~~	P-19 2.30%
5TH ST. 9+50		~~38~~	40'		1.32%	P-20
5TH ST. 10+40		~~42~~	45'		~~3.10%~~	P-21 3.60%
"L" 60+39		36'			~~2.00%~~	P-39 2.70%
"L" 62+~~26~~ 23			~~62~~	67'	~~2.26%~~	P-22 1.97%
"L" 62+93.30		~~30~~	32'		~~2.00%~~	P-23 2.80%
"L" 62+90.5		~~184~~	187'		~~5.03%~~	P-24 4.94%
"L" 62+97.5	54'				~~2.61%~~	P-25 8.10%
"L" 63+51	~~66~~	68'			~~7.73%~~	P-26 5.40%
"L" 63+87	~~6" x 17~~ P.V.C.				~~10.00%~~	P-38 P.V.C. 2.00%
"L" 64+78.14		~~68~~	10'		~~2.54%~~	P-27 4.30%
"L" 64+76.5		64'			~~3.42%~~	P-28 5.20%
6TH ST. 10+50		~~38~~	36'		~~2.00%~~	P-29 4.10%
"L" 65+39		~~34~~	36'		~~1.76%~~	P-30 1.50%
"L" 65+43.30		~~30~~	32'		~~2.00%~~	P-31 4.80%
"L" 65+40.5		~~248~~	251'		~~2.19%~~	P-32 2.70%
"L" 66+05	~~16~~	10'			~~12.44%~~	P-33 16.9%
"L" 66+31	~~24~~	10'			~~3.33%~~	P-34 12.2%
7TH ST. 9+50		~~38~~	40'		~~1.95%~~	P-35 1.10%
"L" 67+89		32'			~~2.00%~~	P-36 1.10%
"L" 67+89		~~30~~	32'		1.00%	P-37
"L" 57+25		21'			1.11%	P-9A

SUBSURFACE UNDERDRAIN, SPECIAL E.W.O. #3

STATION	PIPE LENGTH	SLOPE	REMARKS
54+00	8"x 30'	1.0%	Perforated Pipe
56+80	8" x 22'	1.0%	" "
59+45	8" x 25'	1.5%	" "
62+10	8" x 30'	1.0%	" "

P.V.C. SEWER SERVICES

STATION	LENGTH	SIZE	OFFSET	REMARKS
"L" 52+00		6"	Rt.	Abandon
"L" 53+~~02~~ 03	~~22~~ 15'	6"	Rt.	
"L" 53+~~23~~ 11	~~27~~ 25'	6"	Lt.	Capped
"L" 53+~~53~~ 31	~~26~~ 33'	6"	Lt.	
"L" 53+69	23'	6"	Rt.	Capped
~~"L" 53+92~~	~~23'~~	~~6"~~	~~Rt.~~	~~Deleted~~
"L" 53+98	25'	6"	Lt.	
"L" 54+53	~~24~~ 23'	6"	Rt.	
"L" 55+07	~~10~~ 22'	6"	Lt.	Hook in at 2ND St. 9+55
"L" 55+~~51~~ 52	~~25~~ 27'	6"	Lt.	Cap
"L" 56+07	25'	6"	Lt.	Cap
"L" 56+~~35~~ 50	~~25~~ 23'	6"	Rt.	
"L" 56+~~51~~ 52	25'	6"	Lt.	Cap
"L" 57+~~06~~ 08	25'	6"	Rt.	Cap
"L" 57+~~22~~ 25	25'	6"	Lt.	Cap
"L" 58+~~20~~ 32	~~25~~ 29'	6"	Rt.	
"L" 58+29	25'	6"	Lt.	
"L" 58+~~90~~ 86	25'	6"	Lt.	
"L" 58+90	~~25~~ 22'	6"	Rt.	Capped
"L" 59+~~40~~ 41	25'	6"	Rt.	
"L" 59+~~55~~ 68	25'	6"	Lt.	
"L" 60+~~10~~ 44	25'	6"	Lt.	
"L" 61+~~00~~ 50	~~25~~ 20'	6"	Rt.	
"L" 61+~~45~~ 44	25'	6"	Lt.	
"L" 61+~~85~~ 99	~~25~~ 20'	6"	Rt.	
"L" 62+~~33~~	25'	6"	Lt.	
"L" ~~62+95~~ 63+01	~~25~~ 21'	6"	Rt.	
"L" 63+~~05~~ 00	~~25~~ 23'	6"	Lt.	
"L" 63+~~45~~ 50	~~25~~ 24'	6"	Lt.	Cap
"L" ~~64+00~~ 63+75	~~25~~ 22'	6"	Rt.	
"L" 64+~~25~~ 27	~~25~~ 23'	6"	Lt.	
"L" 64+~~65~~ 37	~~25~~ 19'	6"	Rt.	
"L" 65+~~44~~ 25	~~25~~ 30'	6"	Lt.	
"L" 65+~~87~~ 27	~~25~~ 28'	6"	Rt.	
"L" 66+~~30~~ 82	~~25~~ 26'	6"	Lt.	
"L" 66+~~81~~ 88	~~25~~ 24'	6"	Rt.	
"L" 54+38	22'	6"	Rt.	
"L" 68+~~25~~ 21	25'	6"	Rt.	
"L" 68+~~72~~ 56	~~40~~ 18'	6"	Lt.	
"L" 68+52	~~32~~ 16'	6"	Lt.	
"L" 70+~~27~~ 36	~~17~~ 20'	6"	Lt.	Cap
"L" 70+49	50'	6"	Rt.	Cap
"L" 71+24	~~35~~ 26'	6"	Lt.	Cap
"L" 71+36	~~30~~ 32'	6"	Rt.	Cap

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	RS-0938 (1)	1979	5	34

MISC. SUMMARY TABLES

WATER MAIN APPURTENANCES

STATION	OFFSET	REMARKS
"L" 50+55	20' Lt.	Adjust Valve Box
"L" ~~50+98~~ 51+12	" Rt.	Install 3/4" W.S.
"L" 51+~~98~~ 43	~~10~~ Rt. 5'	" 8"×6" Reducer
"L" 52+~~99~~ 50	~~15~~ Rt.10'	" 8" G.V./V.B.
"L" 52+~~51~~ 52	~~13~~ Rt.10	" 8"×8"×8" T.
"L" 52+~~51~~ 52	~~25~~ Rt.19.5	" 8" G.V./V.B.
"L" 52+95	Lt.	" 3/4" W.S. & Cap for future use
"L" 53+~~04~~ 03	Rt.	" 3/4" W.S.
"L" 53+~~60~~ 66	Lt.	" ~~3/4~~ W.S.
"L" 53+71	~~Rt~~ Lt.	" 3/4" W.S.
"L" 53+95	Rt.	" 3/4" W.S. & Cap for future use
"L" 53+95	Lt.	" 3/4" W.S.
"L" 54+40	Rt.	" 3/4" W.S.
"L" 54+~~95~~ 82	Lt.	" 3/4" W.S.
"L" 55+14	15' Rt.	" 8" G.V./V.B.
"L" 55+~~16~~ 17	15 Rt.	" 8"×8"×8" T.
"L" 55+~~16~~ 17	~~17~~ Rt.17.5	" 8" G.V./V.B.
"L" 55+81	Rt.	" 3/4" W.S. & Cap for future use
"L" 55+81	Lt.	" 3/4" W.S. & Cap for future use
"L" 56+~~16~~ 51	Rt.	" 3/4" W.S.
"L" 56+82	Lt.	" 3/4" W.S. & Cap for future use
"L" 57+12	Rt.	" 3/4" W.S. & Cap for future use
"L" 57+~~70~~ 69	15' Rt.	" 8" G.V./V.B.
"L" 57+~~72~~ 70.5	15' Rt.	" 8"×8" Cross
"L" 57+~~72~~ 70.5	~~13~~ Rt.12'	" 8" G.V./V.B.
"L" 57+~~72~~ 70.5	~~11~~ Rt.18'	" 8" G.V./V.B.
"L" ~~57+72~~ 58+18	27' Lt.	" 3/4" W.S.
"L" 57+~~86~~ 85	Rt.	" 3/4" W.S.
"L" 58+~~12~~ 11	Rt.	" 3/4" W.S.
"L" 58+99	Lt.	" 3/4" W.S.
"L" 69+75	16' Rt.	" 8" G.V./V.B.
"L" 59+~~06~~ 09	Rt.	" 3/4" W.S.
"L" 59+~~41~~ 42	Rt.	" 3/4" W.S.
"L" 62+77	15' Rt.	" 8" G.V./V.B.
"L" 59+~~67~~ 63	~~11~~ Lt.	" 3/4" W.S.
"L" 60+~~15~~ 17.5	15' Rt.	" 8" G.V./V.B.
"L" 60+~~17~~ 19.8	15' Rt.	" 8"×8" Cross
"L" 60+~~17~~ 19.8	~~17~~ Rt.17.5	" 8" G.V./V.B.
"L" 60+17 19.8	38' Rt.	" 8"×8" 45° Elbow
"L" 60+36	Lt.	" 1" W.S.
"L" 60+26	47' Rt.	" 8"×8" 45° Elbow
"L" 60+~~17~~ 19.8	~~13~~ Rt.12.5	" 8" G.V./V.B.
~~"L" 60+17~~	~~38' Lt.~~	~~" 1" W.S.~~ = Deleted
"L" 60+~~49~~ 53	Lt.	" 3/4" W.S.
"L" 61+~~23~~ 24	Rt.	" 3/4" W.S.
"L" 61+68	Lt.	" 3/4" W.S.
"L" 61+95	Rt.	" 3/4" W.S.
"L" 68+16	Rt.	" 3/4" W.S.
"L" 60+20	Lt.	" 3/4" W.S.
"L" 62+74.8	15' Rt.	" 8"×8"×8" T.
"L" 62+74.8	~~13~~ Rt.12.5	" 8" G.V./V.B.
"L" ~~62+95~~ 63+08	Lt.	" 3/4" W.S.
"L" 63+~~07~~ 08	Rt.	" 3/4" W.S.
~~"L" 66+81~~	~~Rt.~~	~~" 3/4" W.S.~~ = ERROR IN PLANS, DELETED
"L" 63+~~55~~ 61	Lt.	" 3/4" W.S. & Cap for future use
"L" 63+91 = 90	Rt.	" 3/4" W.S.
"L" 64+~~24~~ 31	Lt.	" 3/4" W.S.
~~"L" 67+75~~	~~20' Rt.~~	~~Adjust Valve Box~~ Removed Under E.W.O. #16
"L" 64+~~51~~ 53	Rt.	" 3/4" W.S. Capped
"L" 65+28	~~11~~ Rt.15'	" 8" G.V./V.B.
"L" 65+~~39~~ 58	Lt.	" 3/4" W.S.
"L" 65+~~40~~ 38	Rt.	" 3/4" W.S.
"L" 66+~~94~~ 86	Lt.	" 3/4" W.S.
"L" 66+94	Rt.	" 3/4" W.S.
"L" 68+~~50~~ 45	Lt.	" 3/4" W.S.
"L" 68+~~73~~ 83	Lt.	" 3/4" W.S.
"L" 70+~~25~~ 28	11' Rt.	" 8" G.V./V.B.
"L" 70+44 48	Rt.	" 3/4" W.S.
"L" 71+~~37~~ 35	Rt.	" 3/4" W.S.
"L" 77+73 93	~~35~~ Rt.28	" ~~65° Elbow~~ 8"×8"×8" TEE

D.I. WATER MAIN INSTALLATION SUMMARY

SIZE	L.F.	STATION	OFFSET	REMARKS
8"	~~77~~ 152'	From "L" 51+98 46	10' Rt.	Connect to 8"×6" Reducer
		To "L" 52+~~75~~ 77	~~15~~ Rt.12'	Install at ~~15~~ Rt. Ahd.
8"	10'	From "L" 52+51	12~~.5~~ Rt.	Connect to T
		To "L" 52+51	~~12.5~~ Rt.	Connect to Exist. 6" Transite w/ 8"×6" Reducer (See E.W.O. #17
8"	~~126~~ 14.16'	From "L" 52+~~75~~ 77	~~15~~ Rt.12	End Taper to 15' Rt. @ 54+89
		To "L" 65+~~36~~ 23	~~10~~ Rt.15	Connect to Existing 8" D.I.W.C. See E.W.O. #6
8"	~~25~~ 35.5'	From "L" 55+~~16~~ 17	15' Rt.	" to T
		To "L" 55+~~16~~ 17	~~40~~ Rt.50.5'	" to Existing w/ 8"×6" Reducer
8"	~~60~~ 61'	From "L" 57+~~72~~ 70.5	15' Rt.	" to Cross
		To "L" 57+~~72~~ 70.5	~~45~~ Lt.46	" to Existing 6" A.C. w/ 8"×6" Reducer
8"	~~25~~ 34'	From "L" 57+~~72~~ 70.5	15' Rt.	" to Cross
		To "L" 57+~~72~~ 70.5	~~40~~ Rt.49	" to Existing 6" w/ 8"×6" Reducer
8"	~~55~~ 56'	From "L" 60+~~17~~ 20	15' Rt.	" to Cross
		To "L" 60+~~17~~ 20	~~40~~ Lt.41'	Cap for future use
8"	~~30~~ 32'	From "L" 60+~~17~~ 20	15' Rt.	Connect to Cross
		To "L" 60+26	47' Rt.	" to Existing 6" w/ 8"×6" Reducer
8"	~~60~~ 63.5	From "L" 62+~~74~~ 75	15' Rt.	" to T
		To "L" 62+~~74~~ 75	~~45~~ Lt.48.5'	" to Existing 6" Transite w/ 8"×6" Reducer
8"	~~738~~ 74.1	From "L" 70+24	11' Rt.	" to Existing T
		to "L" 77+~~73~~ 93	~~35~~ Rt.28'	" to ~~65° Elbow~~ 8"×8"×8" Tee
8"	~~32~~ 55'	From "L" 77+73 93	~~35~~ Rt.28'	" " " "
		To "L" ~~78+80~~ 77+91	~~22~~ Lt.21	Cap for future use
8"	13'	From "L" 69+75	16' Rt.	CONTINUED TO EXISTING
		to "L" 69+75	16' RT.	" " "

FIRE HYDRANT SUMMARY

INSTALL			REMOVE	
STATION	OFFSET		STATION	OFFSET
"L" 57+28	21' Rt.		"L" 57+28	19' Rt.
"L" 62+~~28~~ 27'	22' ~~21~~' Rt.		"L" 62+79	27' Rt.

CONCRETE ENCASED SEWER

STATION	TO STATION	LENGTH	REMARKS	TYPE
~~54~~+82	55+02	20'	THIS INSTALLATION NOT REQUIRED	
~~57~~+39		20'	℄ TO 20' RT. - EXIST. U.I. LAID IN PLACE	~~8" PVC~~

NOTE:

1. Concrete encasement shall be 10' each side of intersecting water and sewer mains.
2. Contractor has the option of using Ductil Iron Conduit Pipe or Concrete Encasement.

* 3. Encasement shall be incidental to waterline const.

NOTE: See plan sheets 26-32 for utilities installation details.

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	RS-0938(1)	1979	6	34

MISC. SUMMARY TABLES

SIGNING SCHEDULE

NO.	STATION	OFFSET LEFT	OFFSET RIGHT	CODE	LEGEND	SIZE	SIGN THICKNESS Framed	SIGN THICKNESS Unframed	AREA SQ. FT.	NO. OF POSTS	TYPE	SIZE	TOTAL LENGTH	EMBED.	FACING TRAFFIC	REMARKS
1	"L" 50+53	23.5'		D3-1	MAIN ST.	36"×8"		.063	2.0						EB	
2	"L" 50+53	23.5'		D3-1	H ST.	24"×8"		.063	1.33						N & SB	Install below # 1
3	"L" 50+53	23.5'		R1-1	STOP	30"×30"		.063	6.25	1	TUBE	2"	14.5'	3.5'	WB	Install below # 2
4	"L" 51+~~40~~ 45		17.5'	R7-1B	NO PARKING ANYTIME ←→	12"×18"		.063	1.5	1	TUBE	2"	12'	3.5'	EB	
5	"L" 51+60	24'		14-4	FERRY	24"×30"		.063	5.0	1	TUBE	2"	14'	3.5'	WB	
6	"L" 51+60	24'		D7-L	←	24"×6"		.063	1.0						WB	Install below # 5
7	"L" 51+90		17.5'	R2-1	SPEED LIMIT 25	18"×24"		.063	3.0	1	TUBE	2"	13.5'	3.5'	EB	
8	"L" 52+38	33'		D3-1	H ST.	24"×8"		.063	1.33						SB	
9	"L" 52+38	33'		D3-1	N. 1ST. ST.	42"×8"		.063	2.33						E & WB	Install below # 8
10	"L" 52+38	33'		R1-1	STOP	30"×30"		.063	6.25	1	TUBE	2"	14.5'	3.5'	SB	Install below # 9
11	"L" 53+80		~~17.5'~~ 18'	R7-1B	NO PARKING ANYTIME ←→	12"×18"		.063	1.5	1	TUBE	2"	12'	3.5'	EB	
12	"L" 54+88	33'		D3-1	H ST.	24"×8"		.063	1.33						SB	
13	"L" 54+88	33'		D3-1	N. 2ND ST.	42"×8"		.063	2.33						E & WB	Install below # 12
14	"L" 54+88	33'		R1-1	STOP	30"×30"		.063	6.25	1	TUBE	2"	14.5'	3.5'	SB	Install below # 13
15	"L" 55+26		25'	D3-1	H ST.	24"×8"		.063	1.33						NB	
16	"L" 55+26		25'	D3-1	S. 2ND ST.	42"×8"		.063	2.33						E & WB	Install below # 15
17	"L" 55+26		25'	R1-1	STOP	30"×30"		.063	6.25	1	TUBE	2"	14.5'	3.5'	NB	Install below # 16
18	"L" 56+32		17.5'	R7-1B	NO PARKING ANYTIME ←→	12"×18"		.063	1.5	1	TUBE	2"	12'	3.5'	EB	
19	"L" 57+38	33'		D3-1	H ST.	24"×8"		.063	1.33						SB	
20	"L" 57+38	33'		D3-1	N. 3RD ST.	42"×8"		.063	2.33						E & WB	Install below # 19
21	"L" 57+38	33'		R1-1	STOP	30"×30"		.063	6.25	1	TUBE	2"	14.5'	3.5'	SB	Install below # 20
22	"L" 57+78		30'	D3-1	H ST.	24"×8"		.063	1.33						NB	
23	"L" 57+78		30'	D3-1	S. 3RD ST.	42"×8"		.063	2.33						E & WB	Install below # 22
24	"L" 57+78		30'	R1-1	STOP	30"×30"		.063	6.25	1	TUBE	2"	14.5'	3.5'	NB	Install below # 23
25	"L" 58+~~80~~ 86		17.5'	R7-1B	NO PARKING ANYTIME ←→	12"×18"		.063	1.5	1	TUBE	2"	12'	3.5'	EB	
26	"L" 59+88	33'		D3-1	H ST.	24"×8"		.063	1.33						SB	
27	"L" 59+88	33'		D3-1	N. 4TH ST.	42"×8"		.063	2.33						E & WB	Install below # 26
28	"L" 59+88	33'		R1-1	STOP	30"×30"		.063	6.25	1	TUBE	2"	14.5'	3.5'	SB	Install below # 27
29	"L" 60+26		30'	D3-1	H ST.	24"×8"		.063	1.33						NB	
30	"L" 60+26		30'	D3-1	S. 4TH ST.	42"×8"		.063	2.33						E & WB	Install below # 29
31	"L" 60+26		30'	~~D3-1~~ R1-1	STOP	30"×30"		.063	6.25	1	TUBE	2"	14.5'	3.5'	NB	Install below # 30
32	"L" 61+32		~~17.5'~~ 18'	R7-1B	NO PARKING ANYTIME ←→	12"×18"		.063	1.5	1	TUBE	2"	12'	3.5'	EB	
33	"L" 62+38	33'		D3-1	H ST.	24"×8"		.063	1.33						SB	
34	"L" 62+38	33'		D3-1	N. 5TH ST.	42"×8"		.063	2.33						E & WB	Install below # 33
35	"L" 62+38	33'		R1-1	STOP	30"×30"		.063	6.25	1	TUBE	2"	14.5'	3.5'	SB	Install below # 34
36	"L" 63+~~82~~ 85		17.5'	R7-1B	NO PARKING ANYTIME ←→	12"×18"		.063	1.5	1	TUBE	2"	12'	3.5'	EB	
37	"L" 64+88	33'		D3-1	H ST.	24"×8"		.063	1.33						SB	
38	"L" 64+88	33'		D3-1	N. 6TH ST.	42"×8"		.063	2.33						E & WB	Install below # 37
39	"L" 64+88	33'		R1-1	STOP	30"×30"		.063	6.25	1	TUBE	2"	14.5'	3.5'	SB	Install below # 38
40	"L" 65+26		30'	D3-1	H ST.	24"×8"		.063	1.33						NB	
41	"L" 65+26		30'	D3-1	S. 6TH ST.	42"×8"		.063	2.33						E & WB	Install below # 40
42	"L" 65+26		30'	R1-1	STOP	30"×30"		.063	6.25	1	TUBE	2"	14.5'	3.5'	NB	Install below # 41
43	"L" 66+32		17.5'	R7-1B	NO PARKING ANYTIME ←→	12"×18"		.063	1.5	1	TUBE	2"	12'	3.5'	EB	
44	"L" 67+38	33'		D3-1	H ST.	24"×8"		.063	1.33						SB	
45	"L" 67+38	33'		D3-1	N. 7TH ST.	42"×8"		.063	2.33						E & WB	Install below # 44
46	"L" 67+38	33'		R1-1	STOP	30"×30"		.063	6.25	1	TUBE	2"	14.5'	3.5'	SB	Install below # 45
47	"L" 68+82		17.5'	R7-1B	NO PARKING ANYTIME ←→	12"×18"		.063	1.5	1	TUBE	2"	12'	3.5'	EB	
48	"L" 69+85	38'		D3-1	H ST.	24"×8"		.063	1.33						SB	
49	"L" 69+85	38'		D3-1	N. 8TH ST.	42"×8"		.063	2.33						E & WB	Install below # 48
50	"L" 69+85	38'		R1-1	STOP	30"×30"		.063	6.25	1	TUBE	2"	14.5'	3.5'	SB	Install below # 49
51	"L" 70+29		30'	D3-1	H ST.	24"×8"		.063	1.33						NB	
52	"L" 70+29		30'	D3-1	S. 8TH ST.	42"×8"		.063	2.33						E & WB	Install below # 51
53	"L" 70+29		30'	R1-1	STOP	30"×30"		.063	6.25	1	TUBE	2"	14.5'	3.5'	NB	Install below # 52
54	"L" 70+50	18'		R2-1	SPEED LIMIT 25	18" × 24"		.063	3.00	1	TUBE	2"	13.5'	3.5'	WB	
55	"L" 71+00		28'	R2-1	SPEED LIMIT 35	18"×24"		.063	3.00	1	TUBE	2"	13.5'	3.5'	EB	
56	"L" 73+10		27'	R5-3	NO MOTOR VEHICLES	24"×24"		.063	4.00	1	TUBE	2"	12.5'	3.5'	EB	
57	"L" 100+47		20'	R5-3	NO MOTOR VEHICLES	24"×24"		.063	4.00	1	TUBE	2"	12.5'	3.5'	WB	

SIGNING NOTES

1. Sleeve type w/ concrete foundation embankment as shown in Standard Drawing S-30.11 shall be used for all signs.
2. Sign post lengths are approx. only & for estimating purposes only.

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	RS-0938(1)	1979	7	34

HORIZONTAL CONTROL: Bearings for this project are based on U.S.C.&G.S. triangulation stations "USE" #8 & "USE" #4 (Scale Factor = .99990608)

VERTICAL CONTROL: Vertical control was derived from U.S.C.&G.S. benchmark #10, a standard disc stamped No. 10 (1958) set in S.E. curb of Main St. approx. one half foot above street level, at the intersection of Main St. & "D" St. U.S.C.&G.S. Elev. = 24.12.

BEGIN PROJECT RS-0938(1)
STA. "L" 50+50

"L" 50+03.97 STREET

MAIN

"H" STREET

B.O.P. "L" 50+50

For Intersection Details, See Sht. 16.

8" Retaining Wall E.W.O. #11

Extend Parking Lot Storm Drain E.W.O. #15 N.89°47'22"E.

Permit Line

Permit Line

R/W

1ST ST

Paving Limits 1st St. 9+57.50

R/W

NOTE: See sheets 19-25 for drainage details. Typical.

54+00, Install 8"x 30' Perf. Pipe E.W.O. #3

"L" 54+86 27' Lt. Cap Exist. C.M.P.

"L" 55+07 27' Lt. Remove Exist. C.M.P. from Const. Limits

2ND ST.

Paving Limits 2ND St. 9+57.50

"L" 55+33 27' Lt. Cap Exist. C.M.P.

Removal of existing 36" C.M.P. Inlet shall be incidental to Item 202(1)

"H" STREET

MATCH LINE "L" 56+00.00

R/W

Subsurface French Drain E.W.O. #8

R/W

NOTE: For 2ND. St. intersection details see sheet no. 18.

Paving Limits 2ND St. 10+36

1ST St. 12+36 12' Lt. (MH-1)

NOTE: For 1ST. St. intersection details see sheet no. 16.

NOTE: Clearing along 1ST St. shall be only wide enough to accomodate const. equipt.

Repair 4" Sewer Service E.W.O. #1, 12+80, 1ST. ST.

Outfall @ 1st St. 13+33 12' Lt.

NOTE: See page 19 for rip-rap detail.

Special Outlet for Storm Drain E.W.O. #13

Unclassified Ex.	= 7834 cu. yds.
Embankment	= 6875 cu. yds..

NOTE: Existing Utilities shown on sheets 26-30.

★ NOTE: See wheelchair ramp details on sheet no. 31.

V.P.I. 50+75.00
50' V.C. Elev. 28.14

+3.2%

+7.860%

Existing ℄ Profile

Finished Profile

Estimated Bottom of Peat

V.P.I. 52+50.00
150' V.C. Elev. 41.90

+2.3140%

8"x30' Perf. Pipe

Storm Drain

HIGHWAY FEDERAL AID SHEET 1
PLATE 1-SINGLE PLAN AND PROFILE-FULL LINE
TELEDYNE

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	RS-0938(1)	1979	8	34

Removal of existing 36" C.M.P. Inlet shall be incidental to Item 202(1).

56+80, 8"x22' Perf. Pipe E.W.O. #3

59+45, 8"x25' Perf. Pipe E.W.O. #3

Paving Limits 3RD St. 9+57.5

Paving Limits 4TH St. 9+57.5

Permit Line

R/W

"H" STREET

MATCH LINE "L" 56+00.00

MATCH LINE "L" 62+00.00

N. 89° 47' 22" E.

Paving 3RD St. Limits 10+36

Paving 4TH St. Limits 10+36

3RD St.

4TH St.

Deleted

NOTE: For 3RD. St. intersection details see sheet no. 17.

NOTE: For 4TH. St. intersection details see sheet no. 17.

★ NOTE: See wheelchair ramp details on sheet no. 31.

Unclassified Exc. = 8666 cu. yds.
Embankment = 7472 cu. yds.

V.P.I. 58+75.00
100' V.C. Elev. 56.36

+2.3140 %

+3.1867 %

Existing ℄ Profile

Finished Profile

8"x25' Perf. Pipe

8"x22' Perf. Pipe

Storm Drain

Estimated Bottom of Peat

70 65 60 55 50 45 40 35

56~ +50 57~ +50 58~ +50 59~ +50 60~ +50 61~ +50 62~

HIGHWAY FEDERAL AID SHEET
PLATE 1-SINGLE PLAN AND PROFILE-FULL LINE

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	RS-0938(1)	1979	9	34

~~1+64.15 to 1+94.85 Reconstruct Existing Fence 25' Lt.~~ Deleted, C.O. #1

Paving Limits 5TH St. 9+57.5

Retaining Wall for 4" Sidewalk. E.W.O. # 10

62+10, 8"x 30' Perf. Pipe E.W.O. #3

Paving Limits 6TH St. 9+57.5

Regrade Existing Driveways E.W.O. #12

Paving Limits 7TH St. 9+57.5

"L" 62+00.00

"L" 68+00.00

MATCH LINE

"H" STREET

N. 89°47'22"E.

R/W

Permit Line

Paving Limits 6TH St. 10+36

NOTE: For 5TH St. intersection details see sheet no. 17.

NOTE: For 6TH St. intersection details see sheet no. 17.

NOTE: For 7TH St. intersection details see sheet no. 17.

★ NOTE: See wheelchair ramp details on sheet no. 31.

Unclassified Exc. = 8666 cu yds.
Embankment = 7472 cu yds.

V.P.I. 63+25.00
100' V.C. Elev. 70.79

V.P.I. 65+75.00
100' V.C. Elev. 84.50

+3.1867 %

+5.528 %

+2.0727 %

Existing ℄ Profile

Finished Profile

Storm Drain

8'x30' Perf. Pipe

Estimated Bottom of Peat

90 85 80 75 70 65 60 55

62~ +50 63~ +50 64~ +50 65~ +50 66~ +50 67~ +50 68~

HIGHWAY FEDERAL AID SHEET
PLATE 1-SINGLE PLAN AND PROFILE-FULL LINE

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	RS-0938 (1)	1979	10	34

NOTE: Pedestrian Access, See Special Provision Section 555 & Plan Sheets 29 & 30.

8TH St.

9TH St.

R/W

Paving Limits 8TH St. 9+56.09

48 49 50 54

"L" 69+49.15 P.C.

N.89°47'22"E.

69 70 71 72 73

"L" 70+47.55 Match Existing Asphalt

"H" STREET

"L" 74+00.00

"L" 68+00.00 MATCH LINE

"L" 70+29.20' Rt. Begin Ped. Access

56 55 51 52 53 47

Regrade Existing Driveways E.W.O. #12

Paving Limits 8TH St. 10+39.57

NOTE: For 8TH St. intersection details see sheet no. 18.

NOTE: From "L" 70+47.55 to "L" 74+00 the pedestrian access path shall match the existing roadway grades.

★ NOTE: See wheelchair ramp details on sheet no. 31.

ROADWAY
Δ = 41°53'44"
D = 5° Rt.
T = 438.68
L = 837.91
R = 1145.916

Unclassified Exc. = 4634 cu.yds.
Embankment = 2959 cu.yds.

V.P.I. 68+50.00
100' V.C. Elev. 90.20

V.P.I. 70+00.00
50' V.C. Elev. 92.30

Existing ℄ Profile +1.3333 %

-0.7557%

℄ Finished Profile

Exist. ℄ Profile

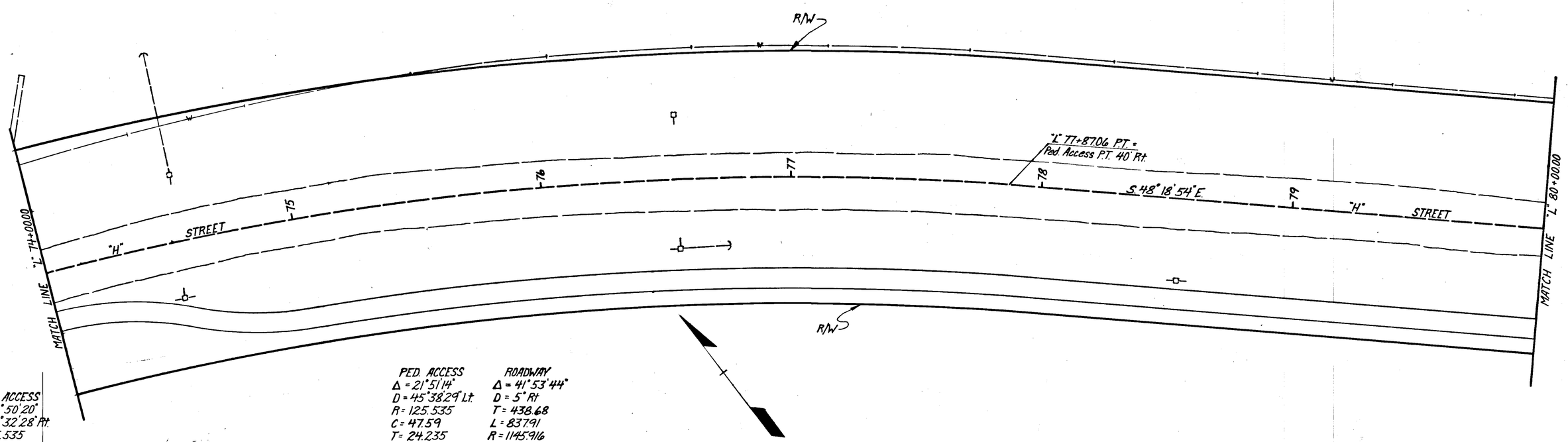
Estimated Bottom of Peat

95 90 85 80 75

68~ +50 69~ +50 70~ +50 71~ +50 72~ +50 73 +50 74~

HIGHWAY FEDERAL AID SHEET
PLATE 1-SINGLE PLAN AND PROFILE-FULL LINE
TELEDYNE

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	RS-0938(1)	1979	11	34

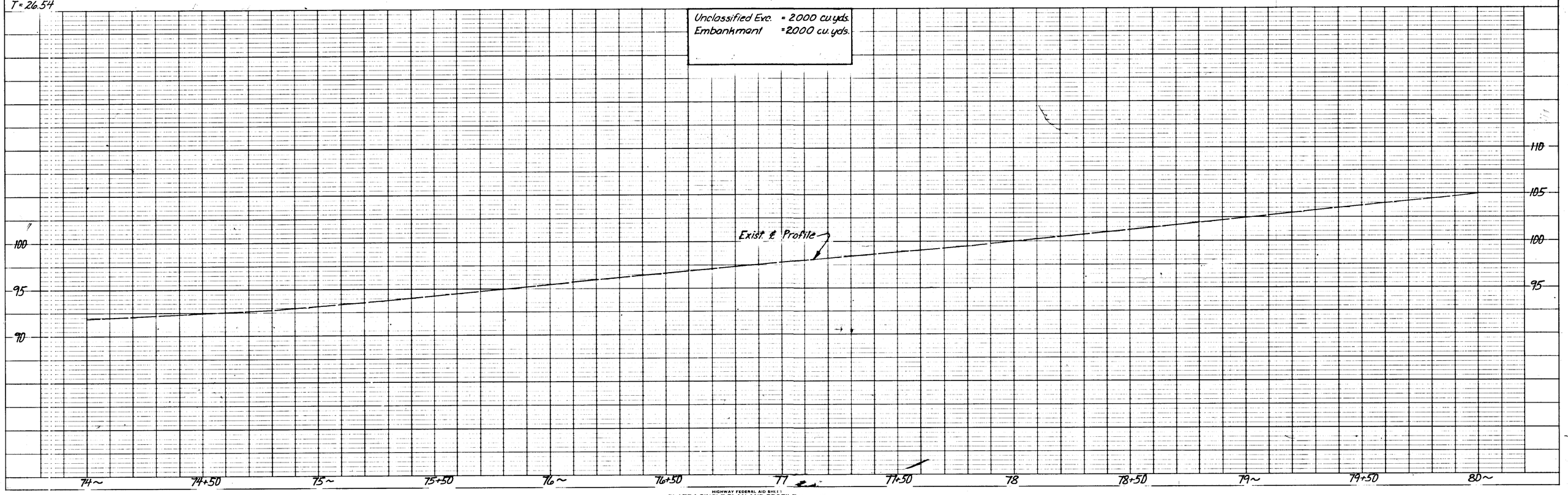


PED. ACCESS
Δ = 24°50'20"
D = 47°32'28" Rt.
R = 125.535
C = 51.839
T = 26.54

PED. ACCESS
Δ = 21°51'14"
D = 45°38'29" Lt.
R = 125.535
C = 47.59
T = 24.235

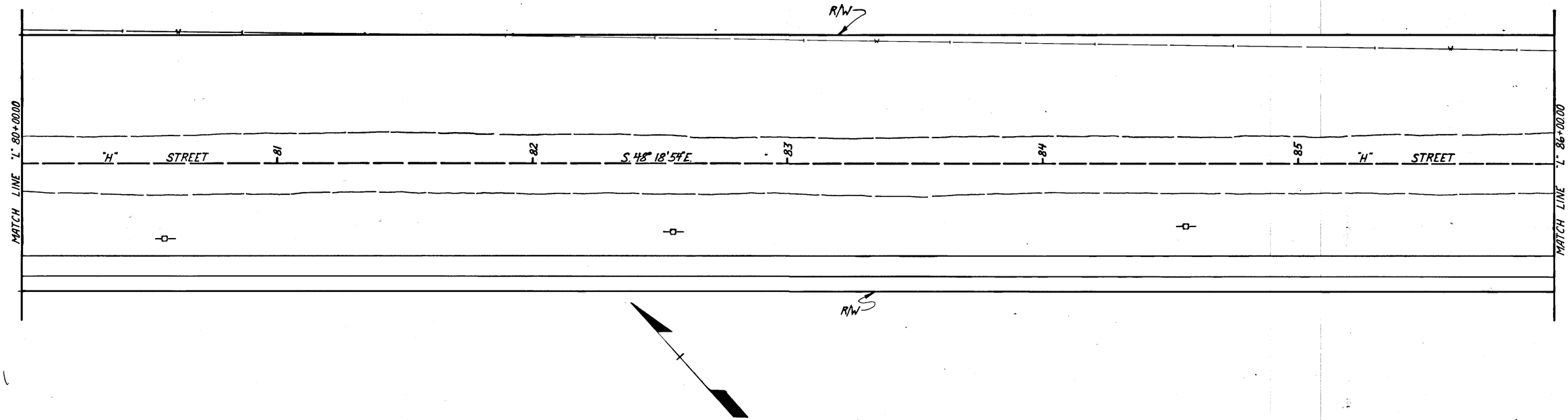
ROADWAY
Δ = 41°53'44"
D = 5° Rt
T = 438.68
L = 837.91
R = 1145.916

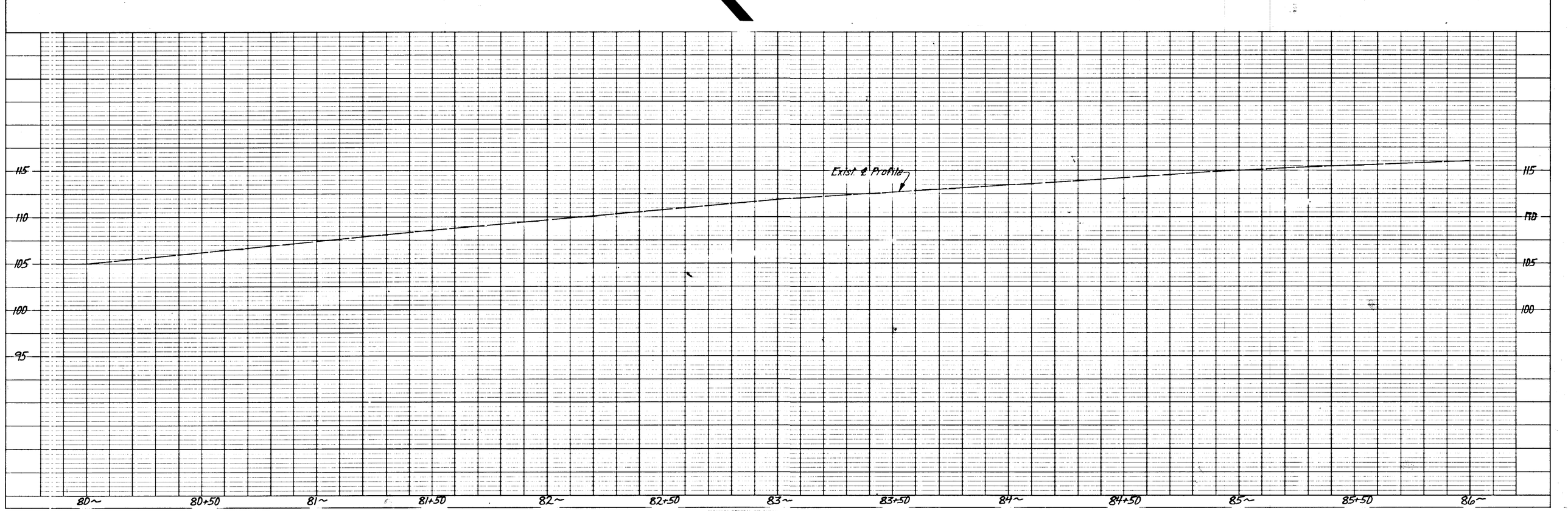
Unclassified Exc.	= 2000 cu.yds.
Embankment	= 2000 cu.yds.



HIGHWAY FEDERAL AID SHEET
PLATE 1-SINGLE PLAN AND PROFILE-FULL LINE
TELEDYNE

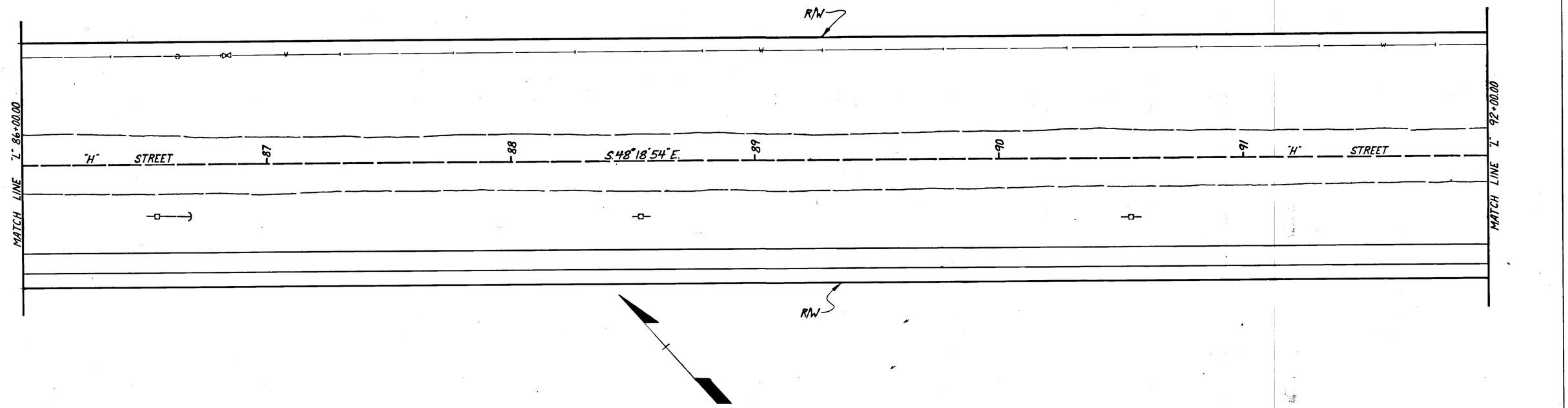
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	RS-0938(1)	1979	12	34

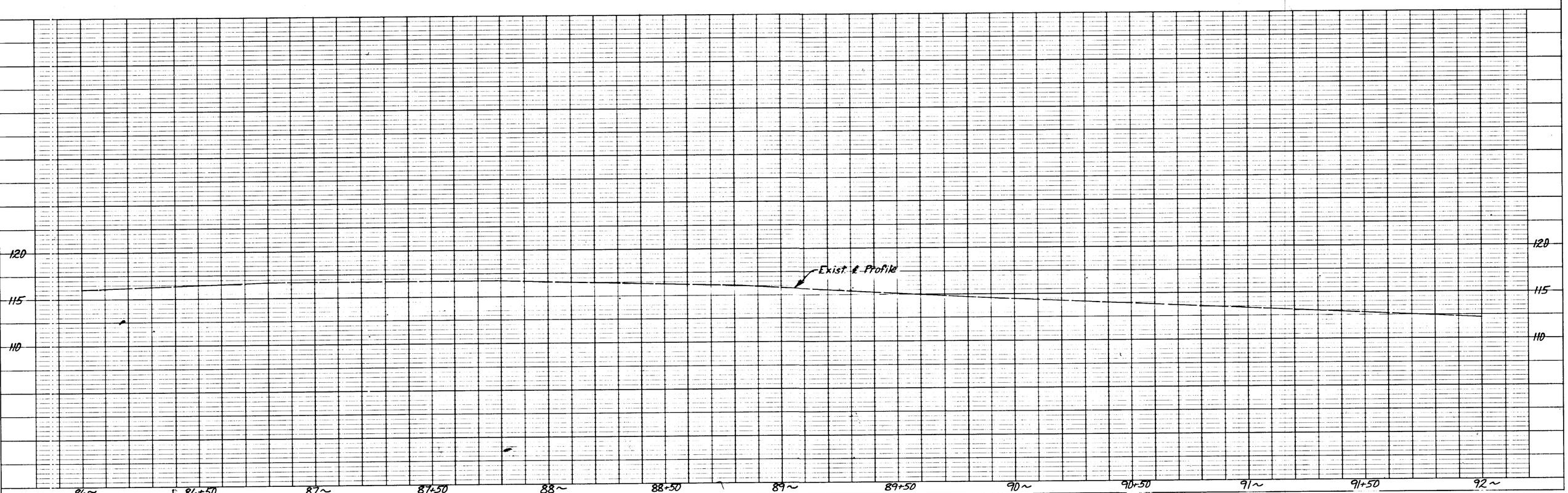




HIGHWAY FEDERAL AID SHEET
PLATE 1-SINGLE PLAN AND PROFILE-FULL LINE
TELEDYNE

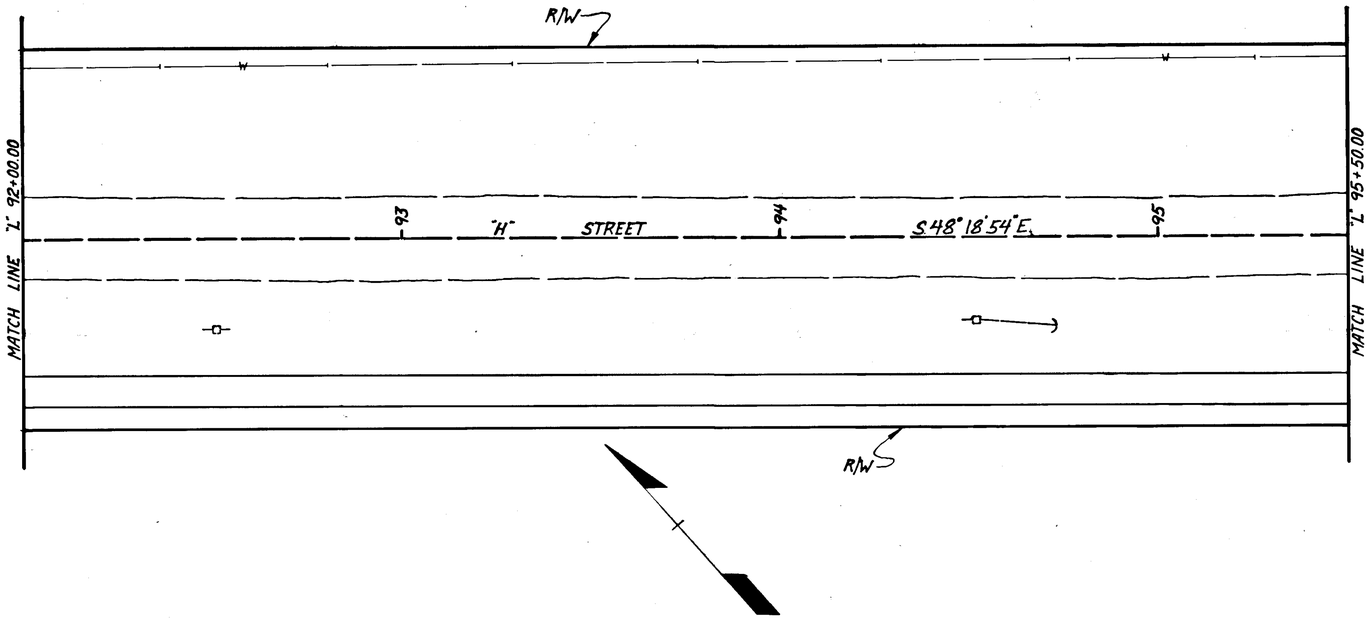
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	RS-0938(1)	1979	13	34

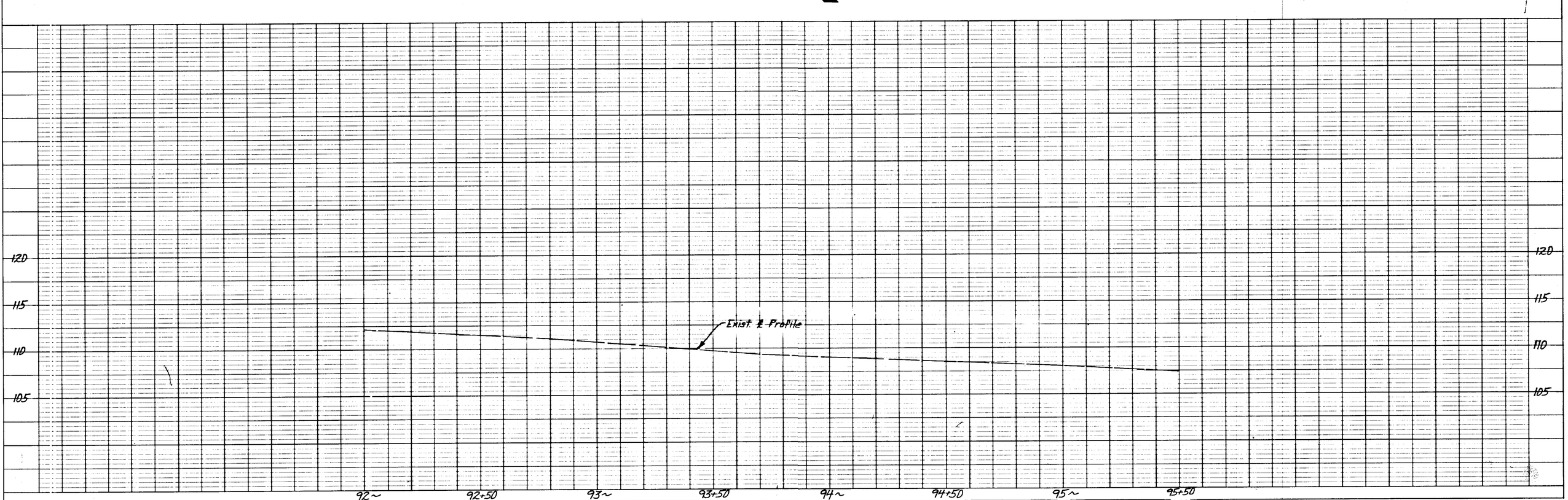




HIGHWAY FEDERAL AID SHEET
PLATE 1-SINGLE PLAN AND PROFILE-FULL LINE
1981 EDITION

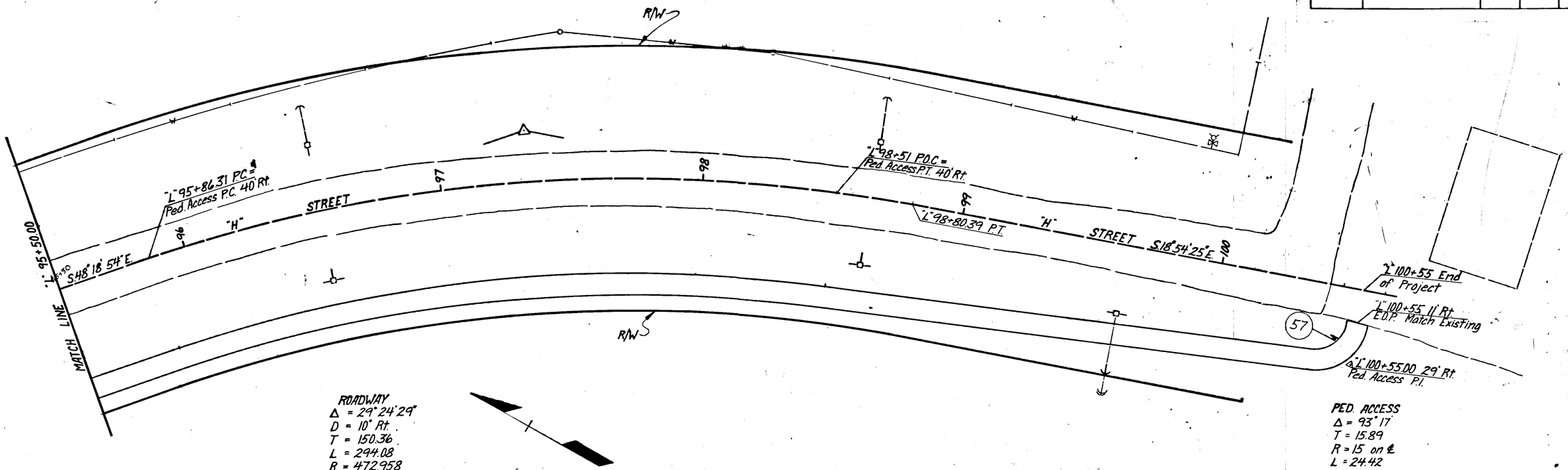
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	RS-0938(1)	1979	14	34

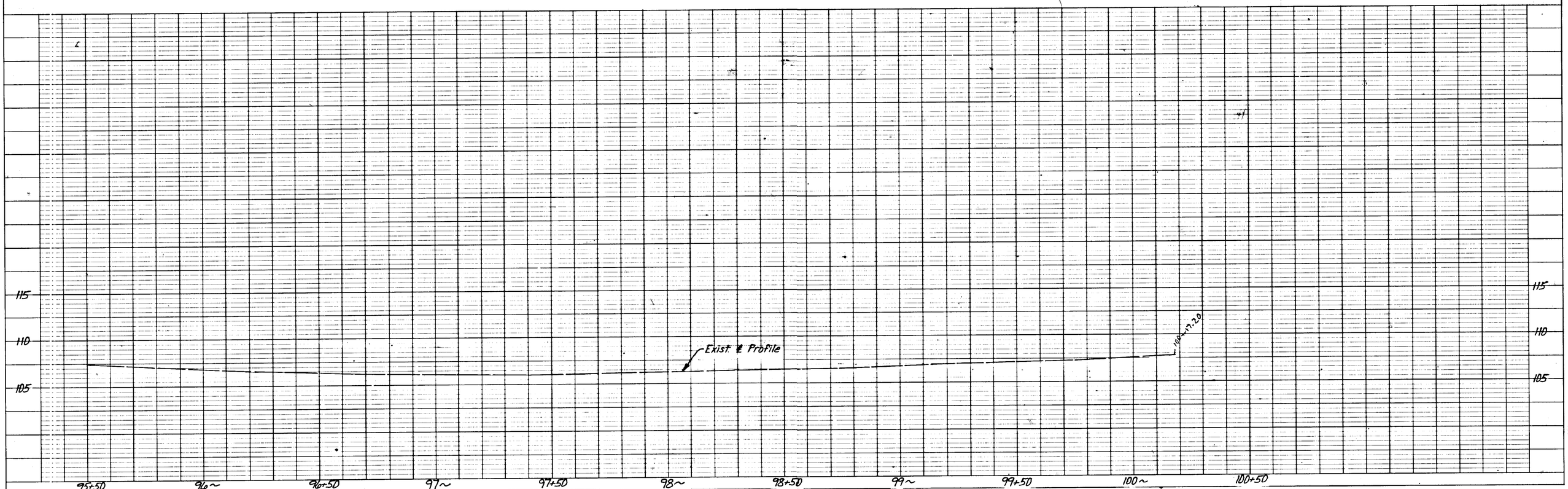




HIGHWAY FEDERAL AID SHEET
PLATE 1-SINGLE PLAN AND PROFILE-FULL LINE
TELEDYNE

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	RS-0938(1)	1979	15	34

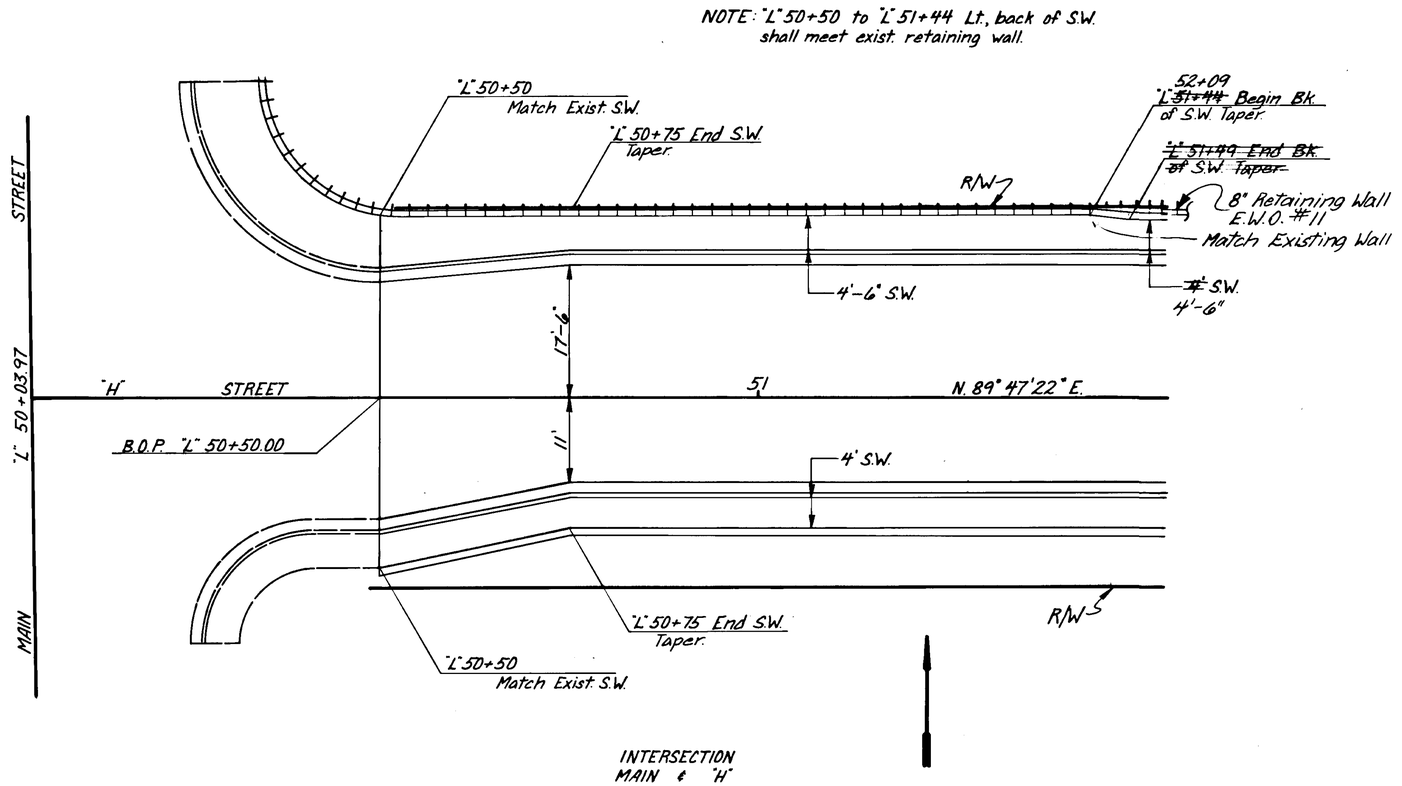




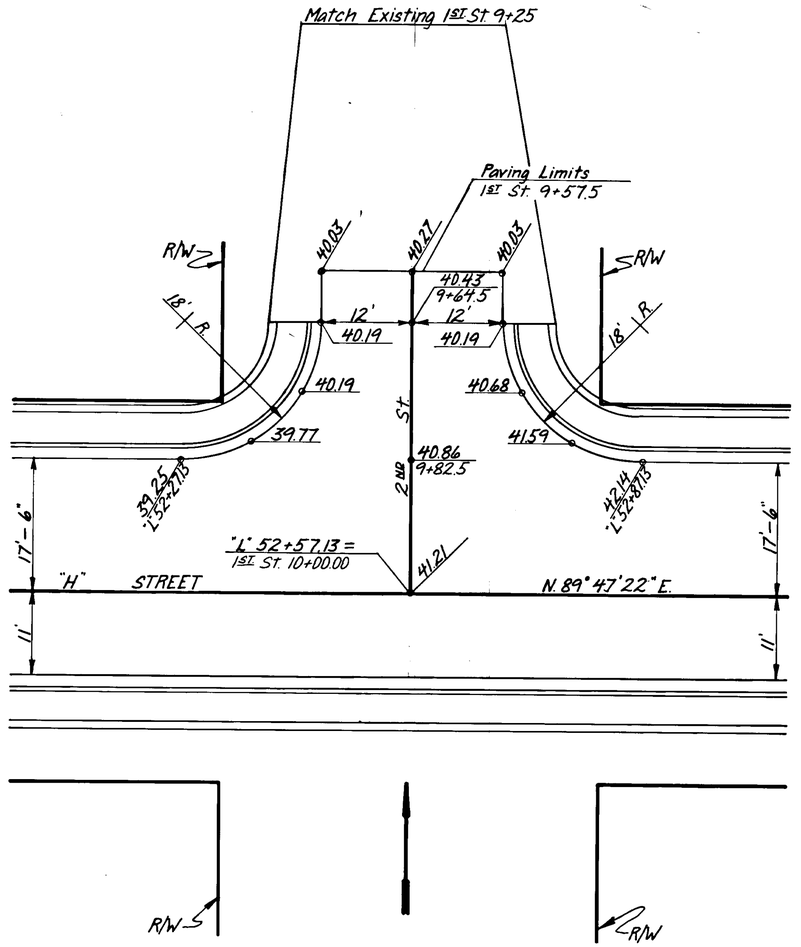
HIGHWAY FEDERAL AID SHI( )
PLATE 1-SINGLE PLAN AND PROFILE-FULL LINE
TELEDYNE

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	RS-0938(1)	1979	16	34

INTERSECTION DETAILS



INTERSECTION
MAIN & "H"

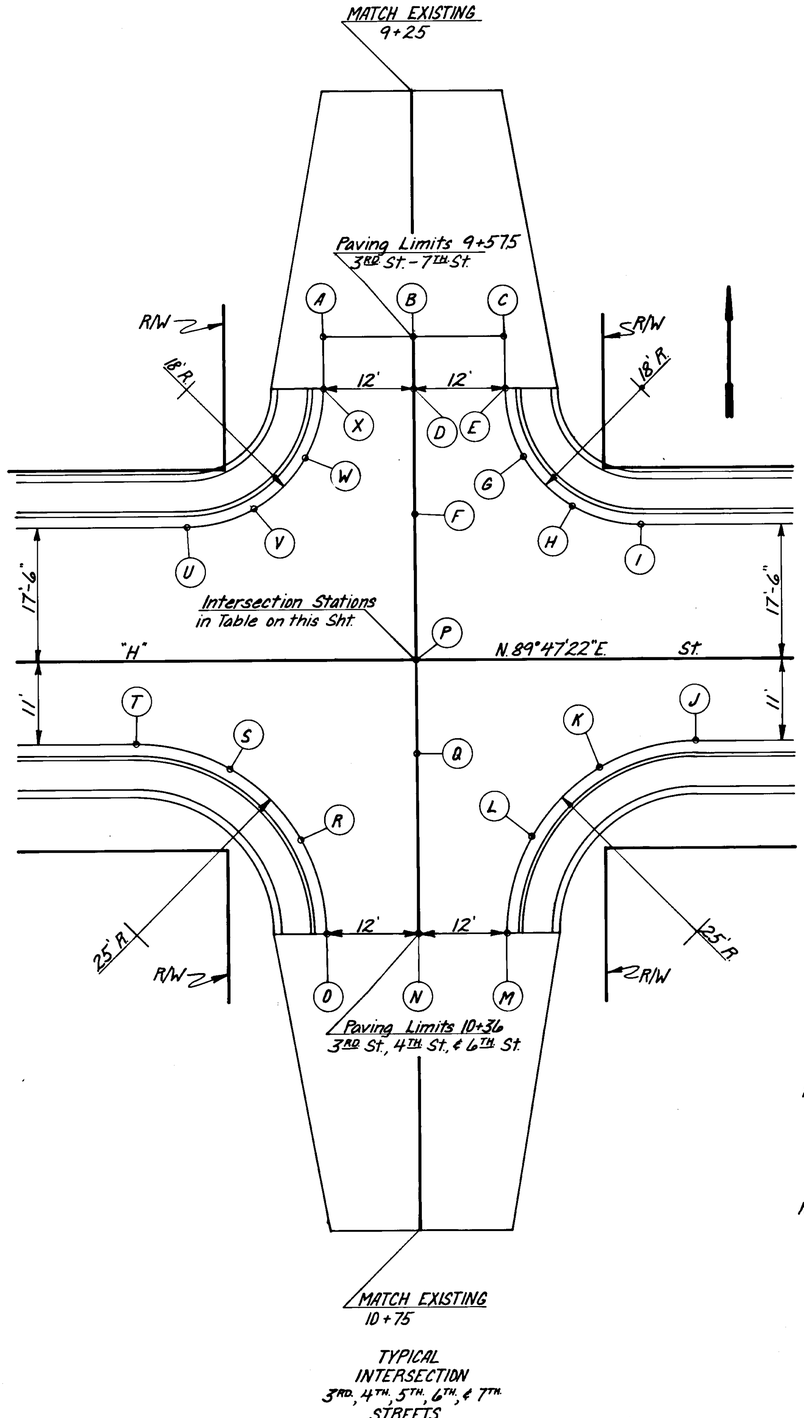


INTERSECTION
"H" & 1st

NOTE: End peat excavation at end of sidewalks, continue excavation for base course & subbase to paving limits. Any excavation below bottom of subbase or past paving limits shall be as directed by the engineer.

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	RS-0938(1)	1979	17	34

INTERSECTION DETAILS



TYPICAL INTERSECTION 3RD, 4TH, 5TH, 6TH, & 7TH STREETS

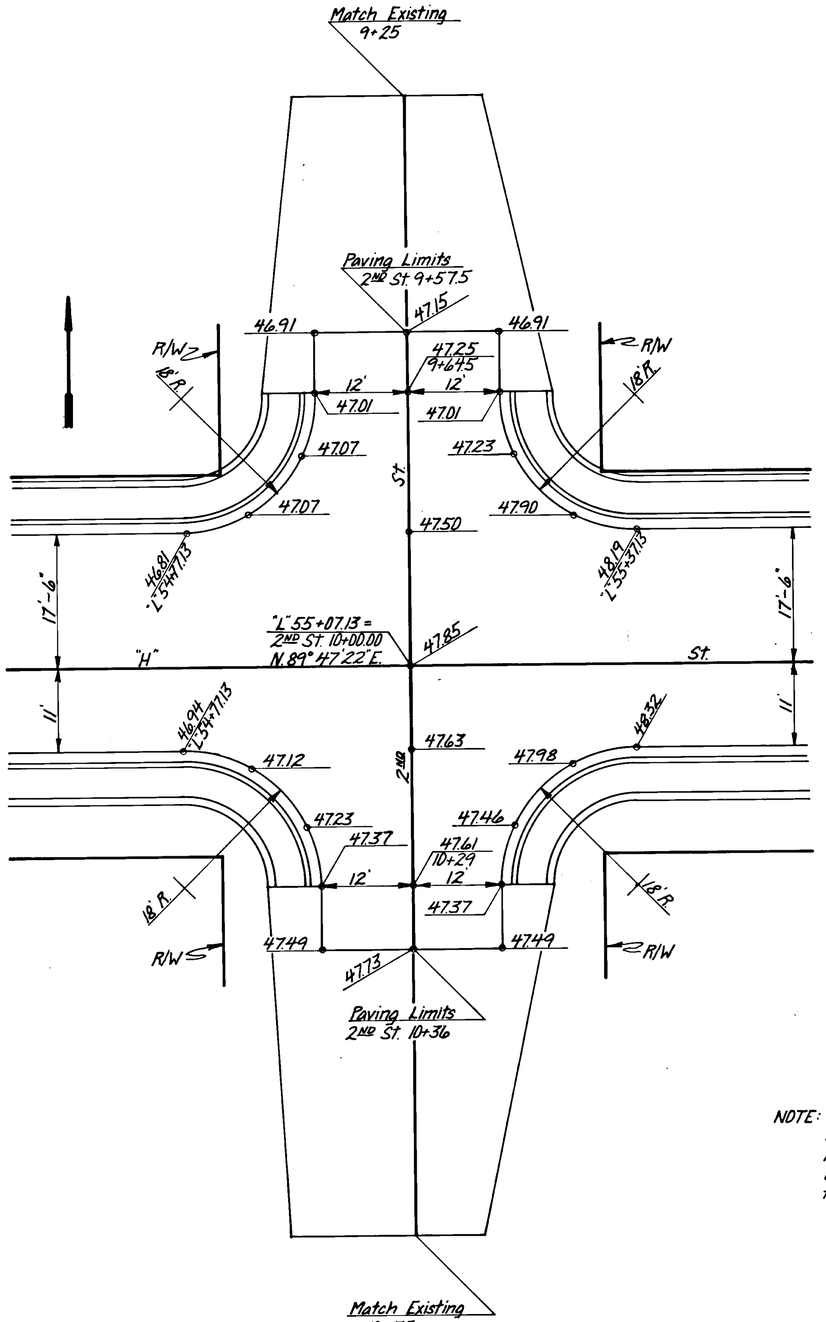
INTERSECTION ELEVATIONS					
POINT LETTER	3RD ℄ "H" 57+57.13	4TH ℄ "H" 60+07.13	5TH ℄ "H" 62+57.13	6TH ℄ "H" 65+07.13	7TH ℄ H 67+57.13
A	53.16	59.80	67.73	80.90	88.55
B	53.40	60.04	67.97	81.14	88.79
C	53.16	59.80	67.73	80.90	88.55
D	53.27	60.04	67.99	80.74	88.33
E	53.03	59.80	67.75	80.49	88.08
F	53.28	60.22	68.19	80.40	87.93
G	53.11	60.06	68.02	80.47	87.85
H	53.63	60.72	68.69	81.34	88.25
I	53.97	61.18	69.16	82.03	88.55
J	54.27	61.53		82.51	
K	53.83	60.98		81.64	
L	53.21	60.29		80.60	
M	53.05	60.30		80.51	
N	53.29	60.54		80.75	
O	53.05	60.30		80.51	
P	53.63	60.57	68.54	80.75	88.28
Q	53.41	60.35		80.53	
R	52.92	59.86		79.93	
S	52.79	59.54		79.22	
T	52.55	59.17		78.49	
U	52.59	59.27	67.23	78.74	87.31
V	52.77	59.53	67.49	79.30	87.47
W	52.88	59.73	67.70	79.92	87.64
X	53.03	59.80	67.75	80.49	88.08

NOTE: End peat excavation at end of sidewalks, continue excavation for base course & subbase to paving limits. Any excavation below bottom of subbase or past paving limits shall be as directed by the engineer.

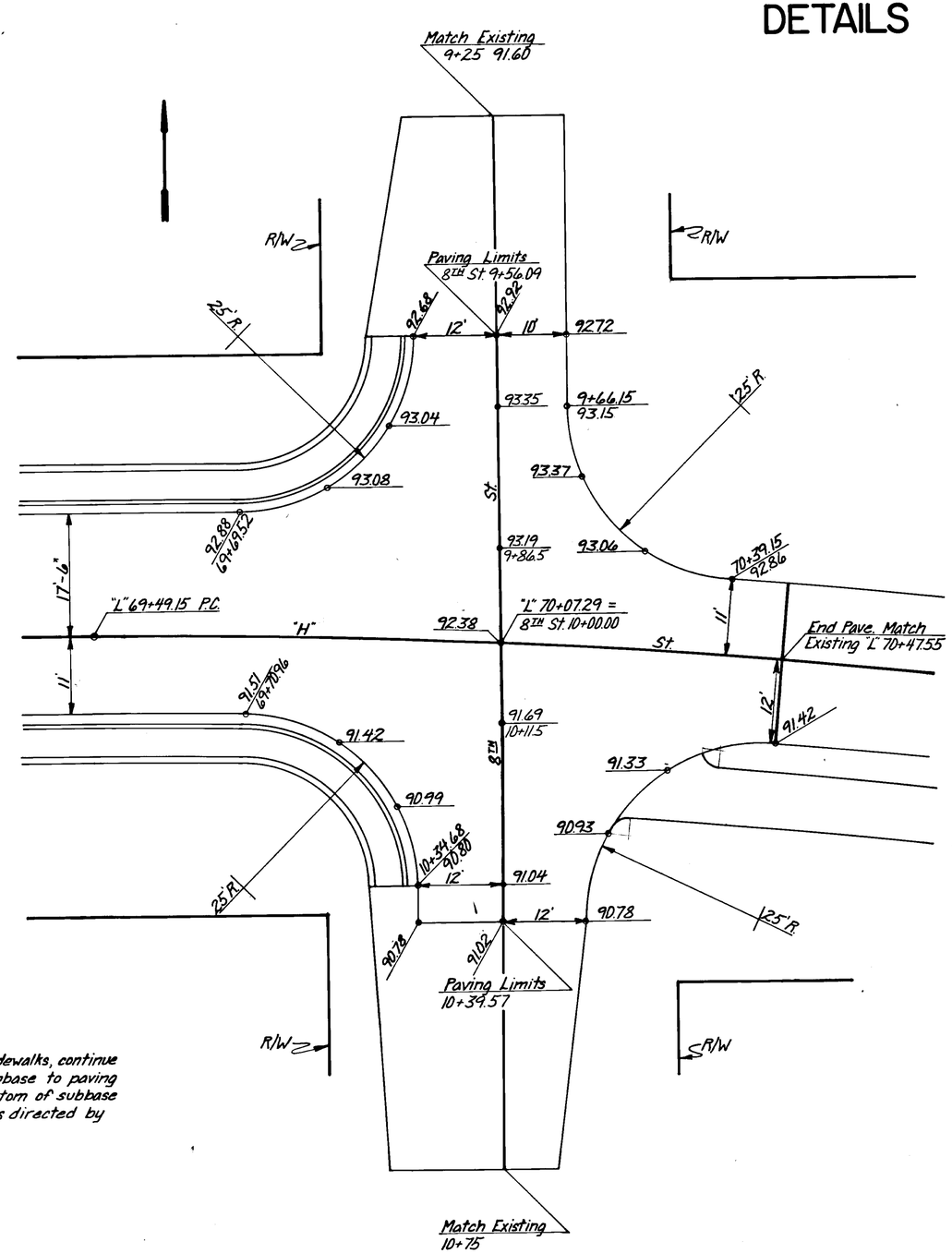
NOTE: No intersection rt. on 5TH or 7TH Streets

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	RS-0938(1)	1979	18	34

INTERSECTION DETAILS

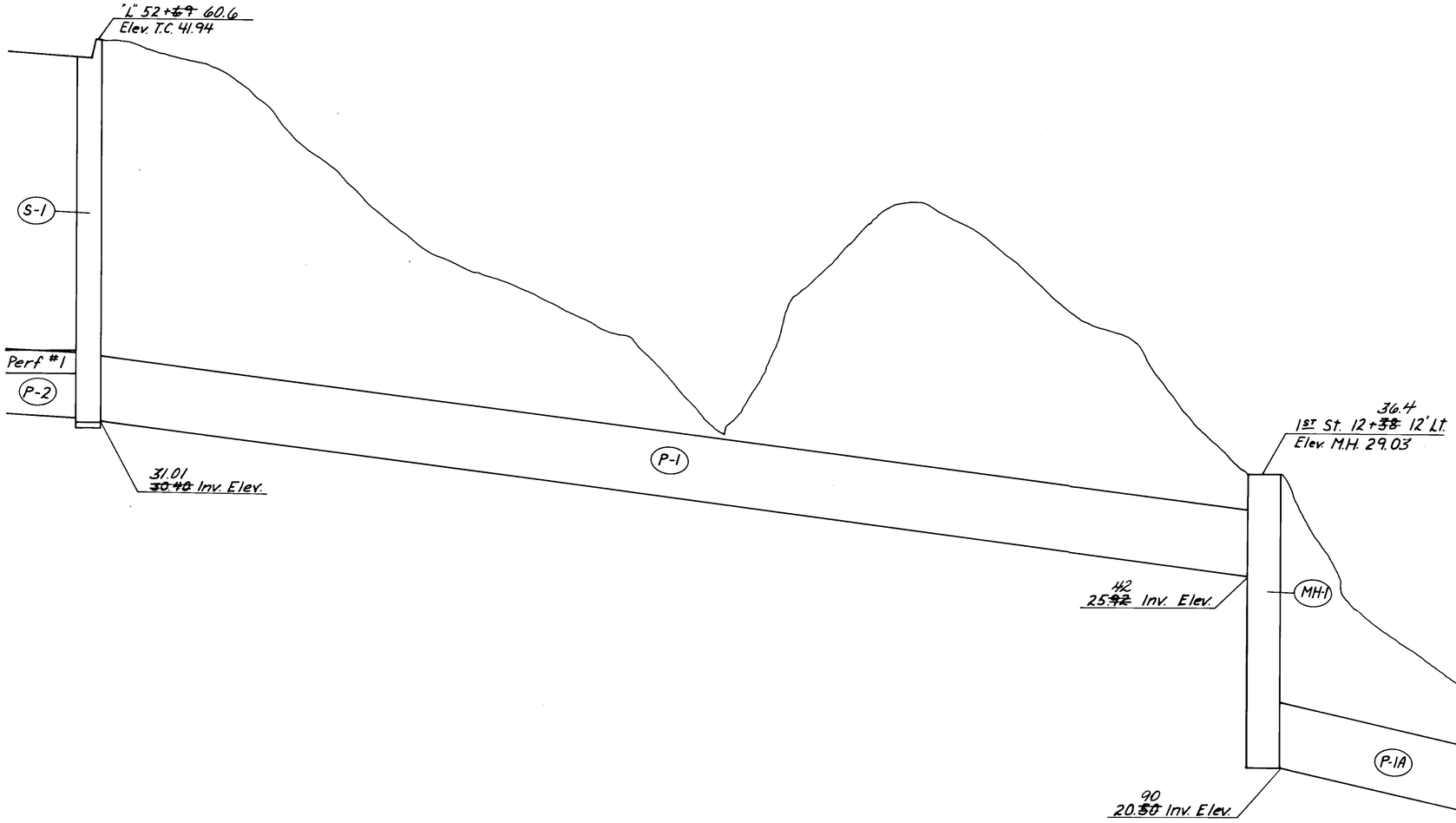


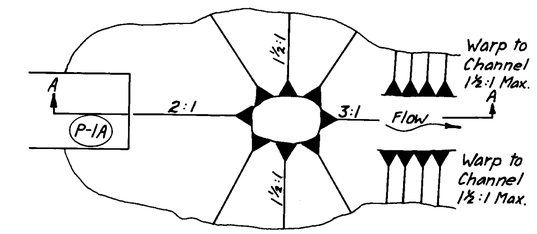
NOTE: End peat excavation at end of sidewalks, continue excavation for base course & subbase to paving limits. Any excavation below bottom of subbase or past paving limits shall be as directed by the engineer.



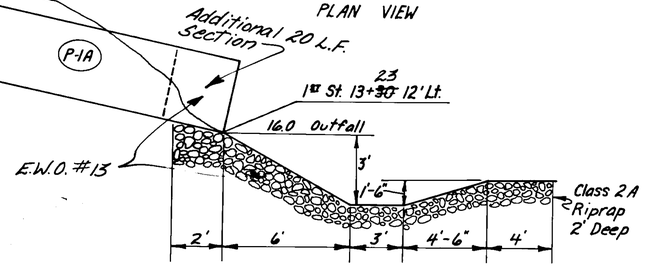
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	RS-0938(1)	1979	19	34

DRAINAGE DETAILS





PLAN VIEW



SECTION A-A

NOTE: Placement of riprap shall be incidental to other drainage items.

STRUCTURE SUMMARY

31.01

STRUCTURE	TYPE	LOCATION	OFFSET LEFT	OFFSET RIGHT	TOP CURB ELEV.	INVERT ELEV.
S-1	B	"L" 52+~~69.00~~ 60.6		13'	41.94	~~30.40~~ 31.01
MH-1	MH	1st St. 12+~~38.36~~ 4	12'**		29.~~00~~*	20.~~50~~
					03	90

PIPE SUMMARY

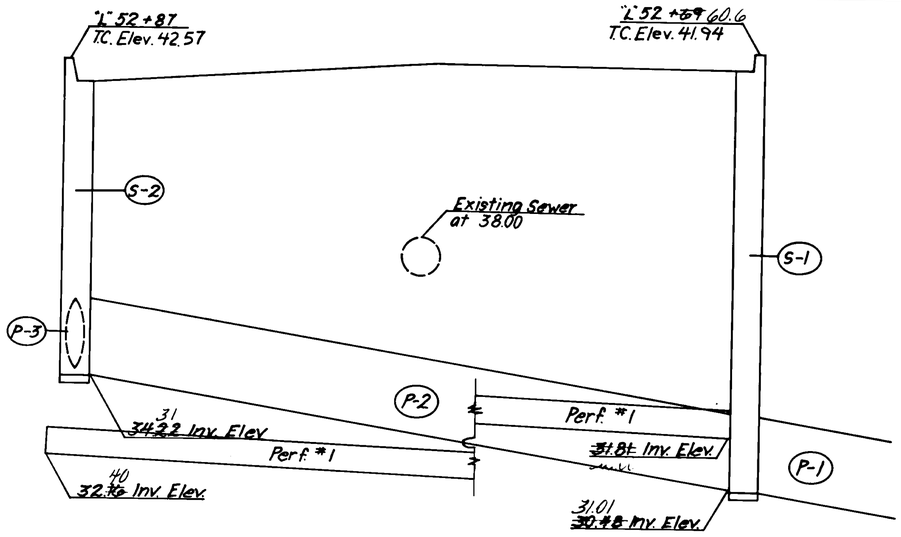
31.01

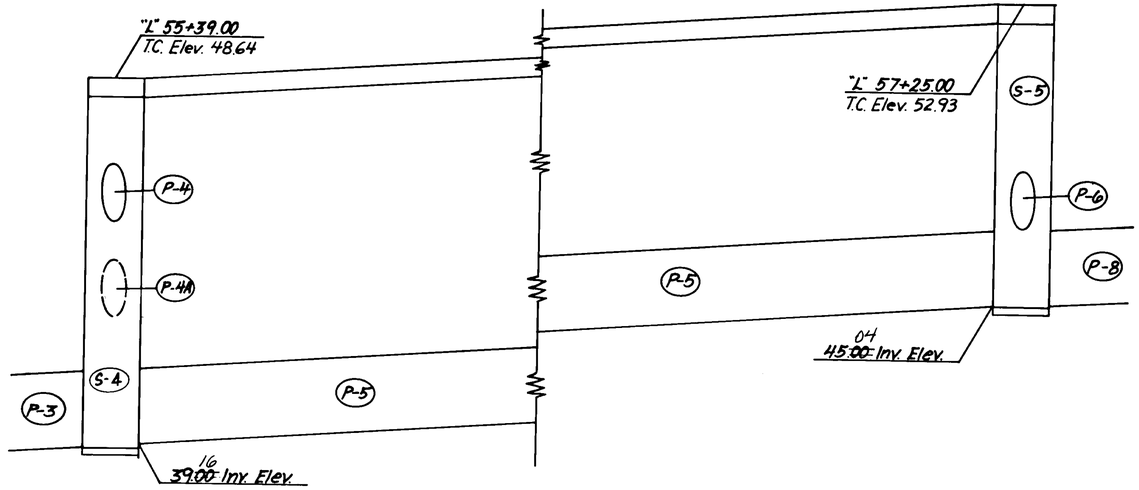
PIPE	DIA.	LENGTH	FROM STRUCTURE	FROM ELEV.	TO STRUCTURE	TO ELEV.
P-1	30"	~~224'~~ 225'	S-1	30.40	MH-1	~~25.92~~ 25.42
P-1A	30"	~~92'~~ 87'	MH-1	~~20.50~~ 20.90	1st St. 13+~~30~~ 23 12' Lt.	16.00

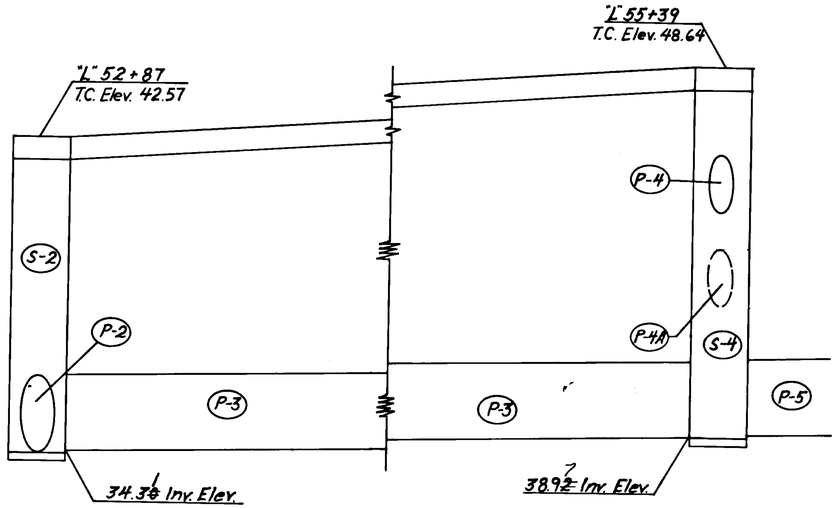
NOTES:
1. * = Top of grate elev.
2. ** = Offsets are to center of grate.
3. B = See standard drawing D-27.10.
4. M.H. = " " " D-20.10.
5. On type A or B inlets the offsets are to the back of curb.
6. Back of curb elevs. are approx. only.
7. Curb inlet grates shall be type G-3R, see standard drawing D-23.01.

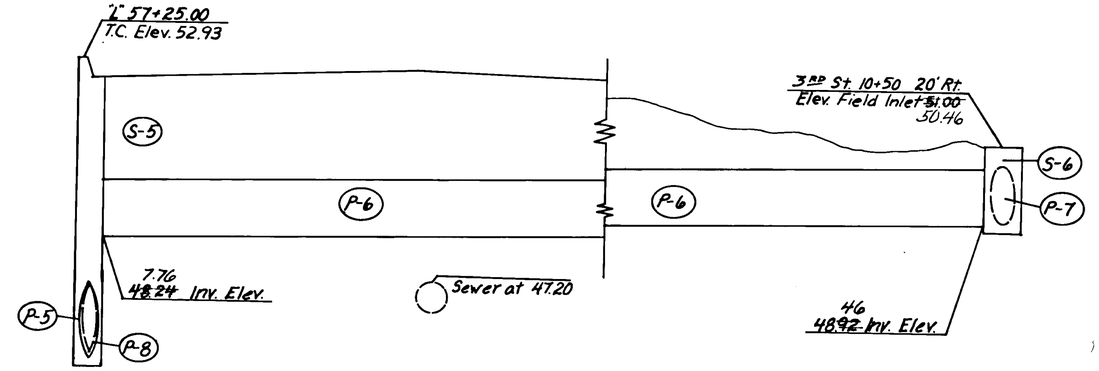
DRAINAGE DETAILS

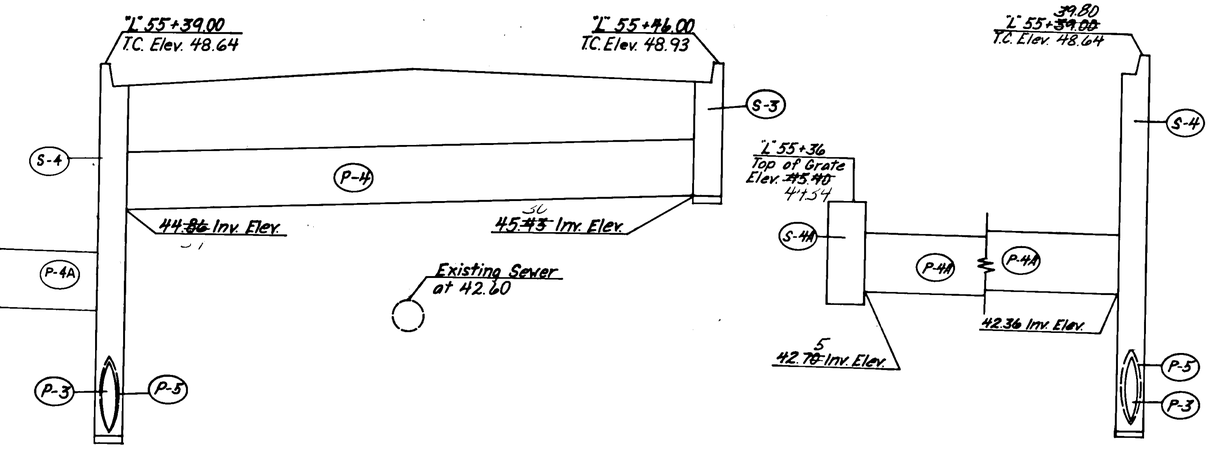
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	RS - 0938 (1)	1979	20	34











STRUCTURE SUMMARY

STRUCTURE	TYPE	LOCATION	OFFSET LEFT	OFFSET RIGHT	TOP CURB ELEV.	INVERT ELEV.
S-1	B	"L" 52+~~89.00~~ 60.6		13'	41.94	~~30.40~~ 30.48
S-2	B	"L" 52+87.00	19.5		42.57	34.22
S-3	A	"L" 55+46.00		13	48.93	~~45.43~~ 45.43
S-4	B	"L" 55+39.00	19.5'		48.64	38.92
S-4A	Z	"L" 55+~~36~~ 39.8	34'**	44.34	~~45.40~~ 42.70	42.70
S-5	B	"L" 57+25.00	19.5'		52.93	45.00
S-6	X	3RD St. 10+50		20'**	~~51.00~~ 48.76 50.46	

PIPE SUMMARY

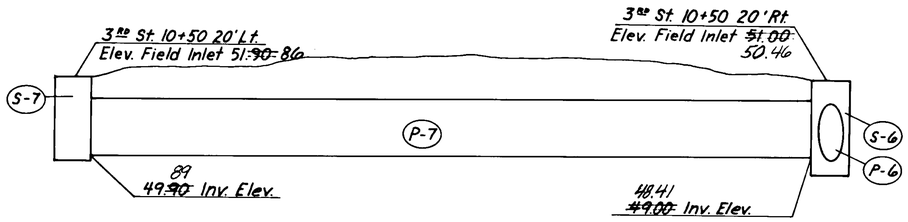
PIPE	DIA.	LENGTH	FROM STRUCTURE	FROM ELEV.	TO STRUCTURE	TO ELEV.	
P-1	30"	22~~4~~'	S-1	30.40	31.01 MH-1	25.92	42
P-2	30"	~~34~~ 41'	S-2	34.22	31 S-1	~~30.48~~ 31.11	
P-3	30"	25~~0~~ 2'	S-4	38.92	7 S-2	34.38	1
P-4	18"	38' 2'	S-3	45.43	30 S-4	44.86	54
P-4A	18"	~~34~~ 15.5'	S-4A	42.70	5 S-4	42.36	72
P-5	30"	~~182~~ 6'	S-5	45.00	4 S-4	39.00	16
P-6	18"	~~68~~ 70'	S-6	~~48.92~~ 48.24	46 S-5	~~48.24~~ 47.76	
Perf. #1	8"	36'	"L" 52+~~89~~ 89 (23.5 (1) 60.6	32.76	40 S-1	~~31.8~~ 32.00	

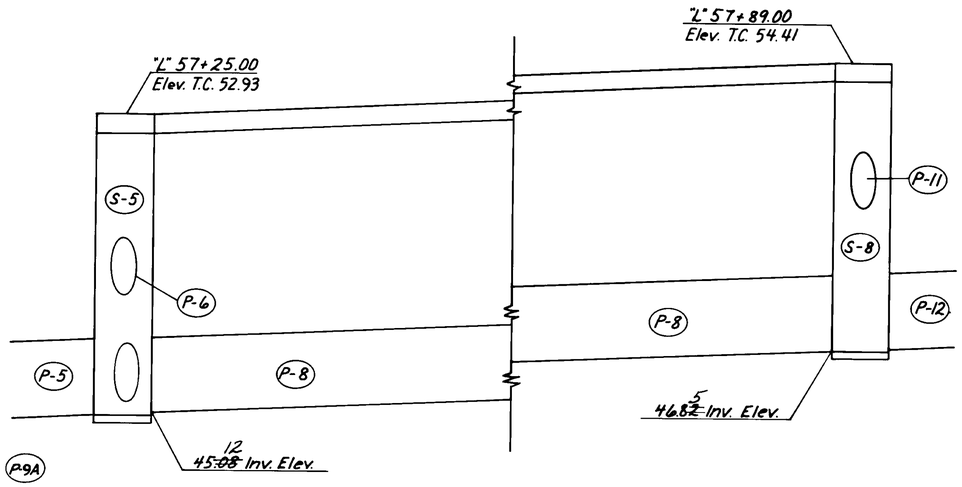
NOTES: 1. * = Top of grate elev.
2. ** = Offsets are to center of grate.
3. A = See standard drawing D-26.02.
4. B = " " " D-27.10
5. X = 24" Pipe conduit inlet. (See sht. 31 for details)
6. On type A or B inlets the offsets are to the back of curb.
7. Back of curb elevations are approx. only.

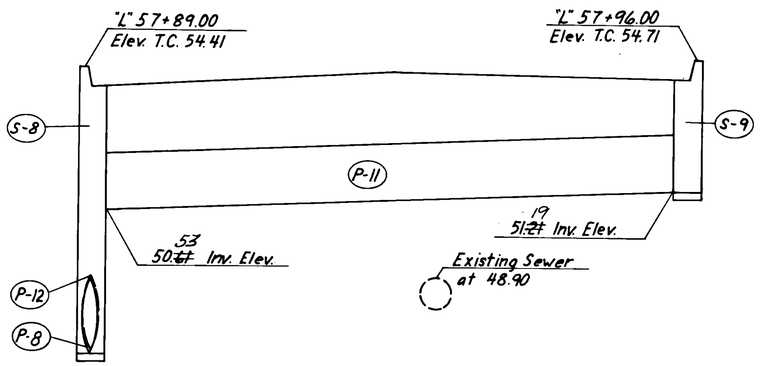
NOTES: (con't) 8. Curb inlet grates shall be type G-3R, see standard drawing D-23.01.

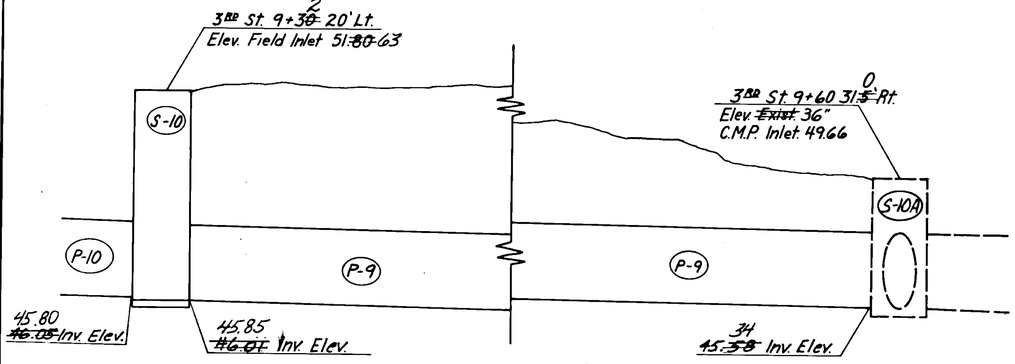
DRAINAGE DETAILS

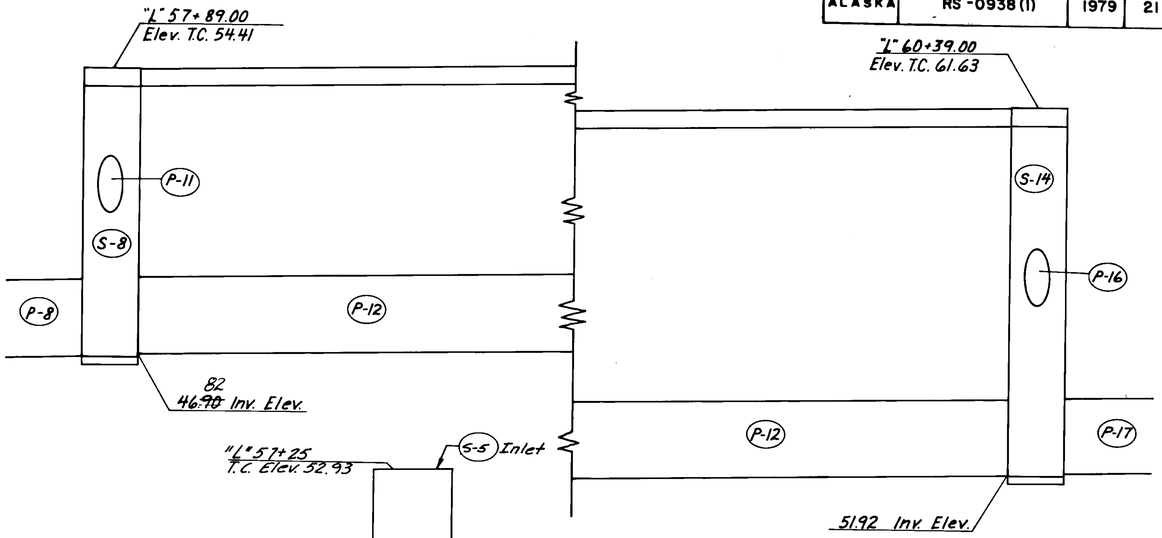
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	RS-0938(1)	1979	21	34

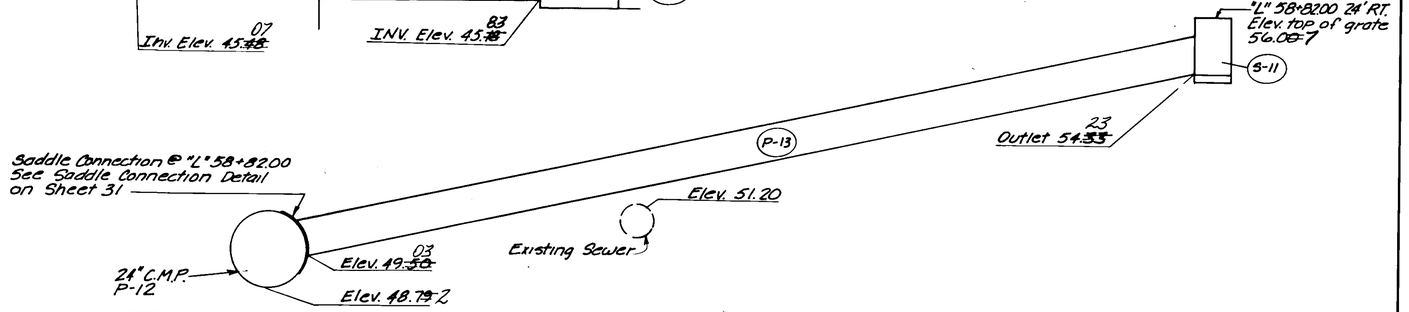












STRUCTURE SUMMARY

STRUCTURE	TYPE	LOCATION	OFFSET LEFT	OFFSET RIGHT	TOP CURB ELEV	INVERT ELEV
S-5	B	"L" 57+25.00	19.5'		52.93	45.00~~.1~~
S-6	X	3RD St. 10+50		20'**	~~51.00~~ *	48.~~92~~ 46
S-7	X	3RD St. 10+50	20'**	50.46	51.~~90~~ *60	49.~~90~~ 81
S-8	B	"L" 57+89.00	19.5'		54.41	46.~~82~~ 78
S-9	A	"L" 57+96.00		13'	54.71	51.~~27~~ 19
S-10A	Z	3RD St. 9+60		31'**	49.~~66~~ 43	45.~~98~~ 14
S-10	Z	3RD St. 9+~~30~~ 2	20'**		51.~~80~~ *3	~~46.01~~ 45.~~57~~
S-11	X	"L" 58+82.00		24.~~85~~ **	56.00*	54.~~33~~ 23
S-14	B	"L" 60+39.00	19.5'		61.63	51.92

NOTES: 1. * = Top of grate elev.
2. ** = Offsets are to center of grate.
3. A = See standard drawing D-26.02.
4. B = " " " D-27.10
5. X = 24" Pipe conduit inlet. (See sht. 31 for details).
6. Z = 36" " " " " " " "
7. On type A or B inlets the offsets are to back of curb.

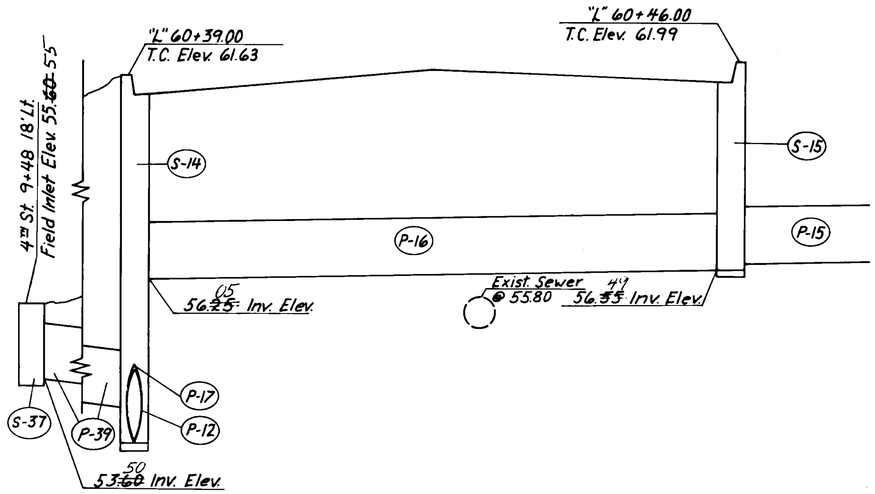
PIPE SUMMARY

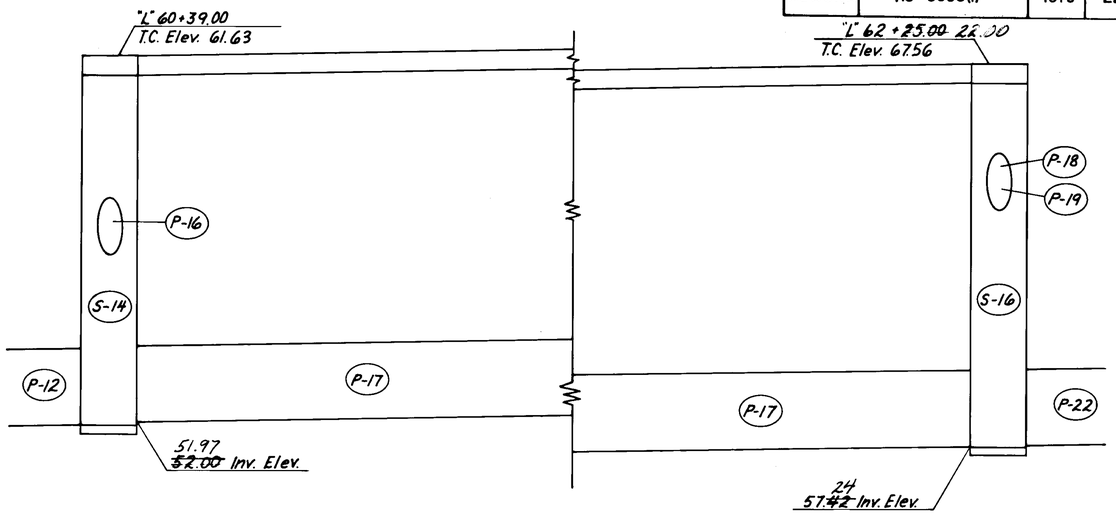
PIPE	DIA.	LENGTH	FROM STRUCTURE	FROM ELEV.	TO STRUCTURE	TO ELEV.	
P-7	18"	~~38~~ 42'	S-7	49.~~90~~ 89	S-6	~~49.00~~	48.41
P-8	24"	64'	S-8	46.~~82~~ 85	S-5	45.~~08~~	12
P-9	24"	58~~.7~~	S-10	~~46.01~~ 45.85	S-10A	45.~~58~~	34
P-9A	24"	27~~.1~~	S-10A	45.~~98~~ 07	S-5	~~45.18~~	44.83
P-10	18"	64'	8+98.64'Lt.	46.~~05~~ 61	S-10	~~46.05~~	45.80
P-11	18"	~~30~~ 2	S-9	51.~~27~~ 19	S-8	50.~~67~~	53
P-12	24"	24~~8~~ 50	S-14	51.92	S-8	~~46.90~~	82
P-13	12"	42"3	S-11	54.~~33~~ 23	24" C.M.P. @ "L" 58+82	~~49.50~~	03

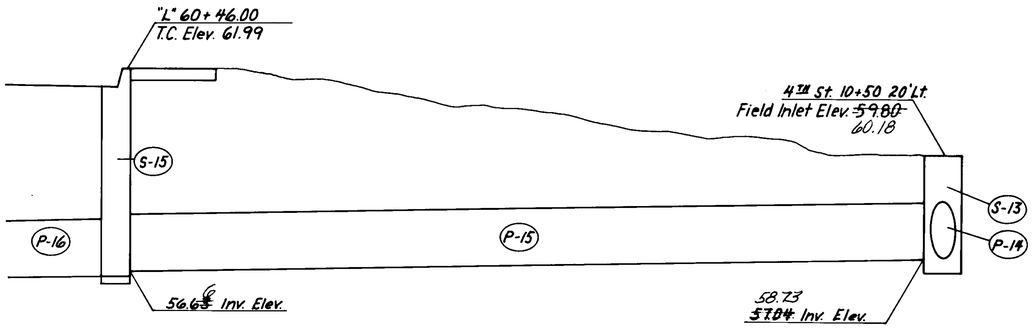
NOTES: (con't.) 8. Back of curb elevations are approx. only.
9. Curb inlet grates shall be type G-3R, see standard drawing D-23.01.

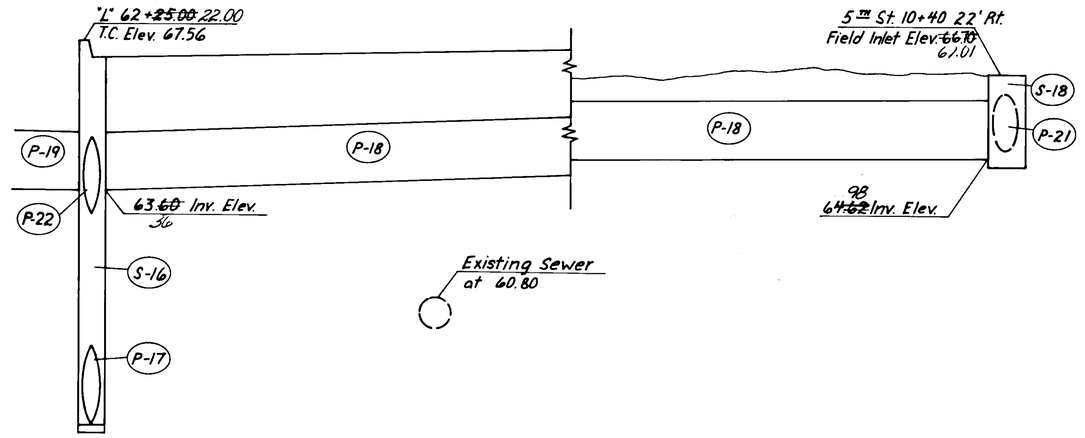
DRAINAGE DETAILS

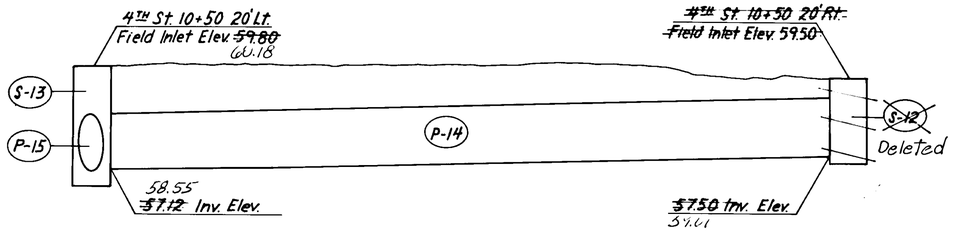
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	RS-0938(1)	1979	22	34











STRUCTURE SUMMARY

	STRUCTURE	TYPE	LOCATION	OFFSET LEFT	OFFSET RIGHT	TOP CURB ELEV.	INVERT ELEV.
Deleted	~~S-12~~	X	4TH St. 10+50		20'**	59.50*	57.34
	S-13	X	4TH St. 10+50	20'**	60.18	~~59.80~~*	~~56.88~~ 58.73
	S-14	B	"L" 60+39.00	19.5'		61.63	51.92
	S-15	A	"L" 60+46.00		13'	61.99	56.~~35~~ 49
	S-16	B	"L" 62+~~25.00~~ 22.00	19.5'	67.01	67.56	57.~~42~~ 24
	S-18	X	5TH St. 10+40		22'**	~~66.70~~*	64.~~45~~
	S-37	X	4TH St. 9+48	18'**		55.~~60~~*	53.~~45~~
						55	37

PIPE SUMMARY

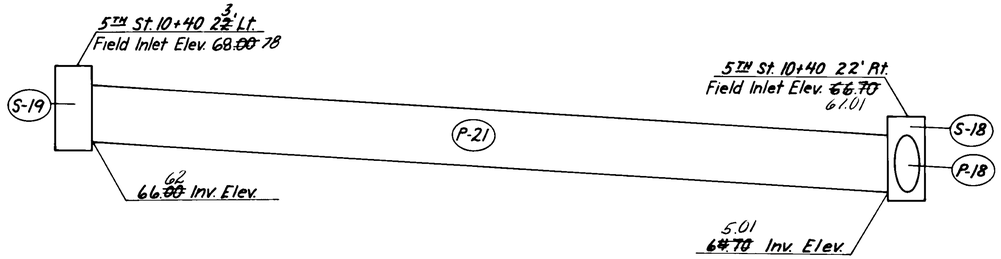
PIPE	DIA.	LENGTH	FROM STRUCTURE	FROM ELEV.	TO STRUCTURE	TO ELEV.	
P-14	18"	38'~~41~~'	S-12 Deleted	~~57.50~~ 57.01	S-13	57.12~~57.01~~	58.55
P-15	18"	42'~~3~~	S-13	~~57.04~~ 58.73	S-15	56.~~63~~	66
P-16	18"	30'~~2~~	S-15	56.~~35~~ 49	S-14	56.~~25~~	05
P-17	24"	184'	S-16	57.~~42~~ 24	S-14	~~52.00~~	51.97
P-18	18"	58'~~2~~	S-18	64.~~62~~ 98	S-16	63.~~60~~	36
P-39	18"	36'	S-37	53.~~60~~ 50	S-14	52.~~88~~	53

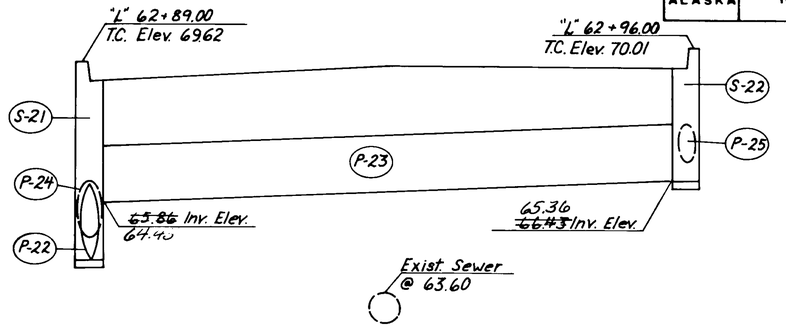
NOTES: 1. * = Top of grate elev.
2. ** = Offsets are to center of grate.
3. A = See standard drawing D-26.02.
4. B = " " " D-27.10
5. X = 24" Pipe conduit inlet. (See sht. 31 for details.)
6. On type A or B inlets the offsets are to back of curb.
7. Back of curb elevations are approx. only.

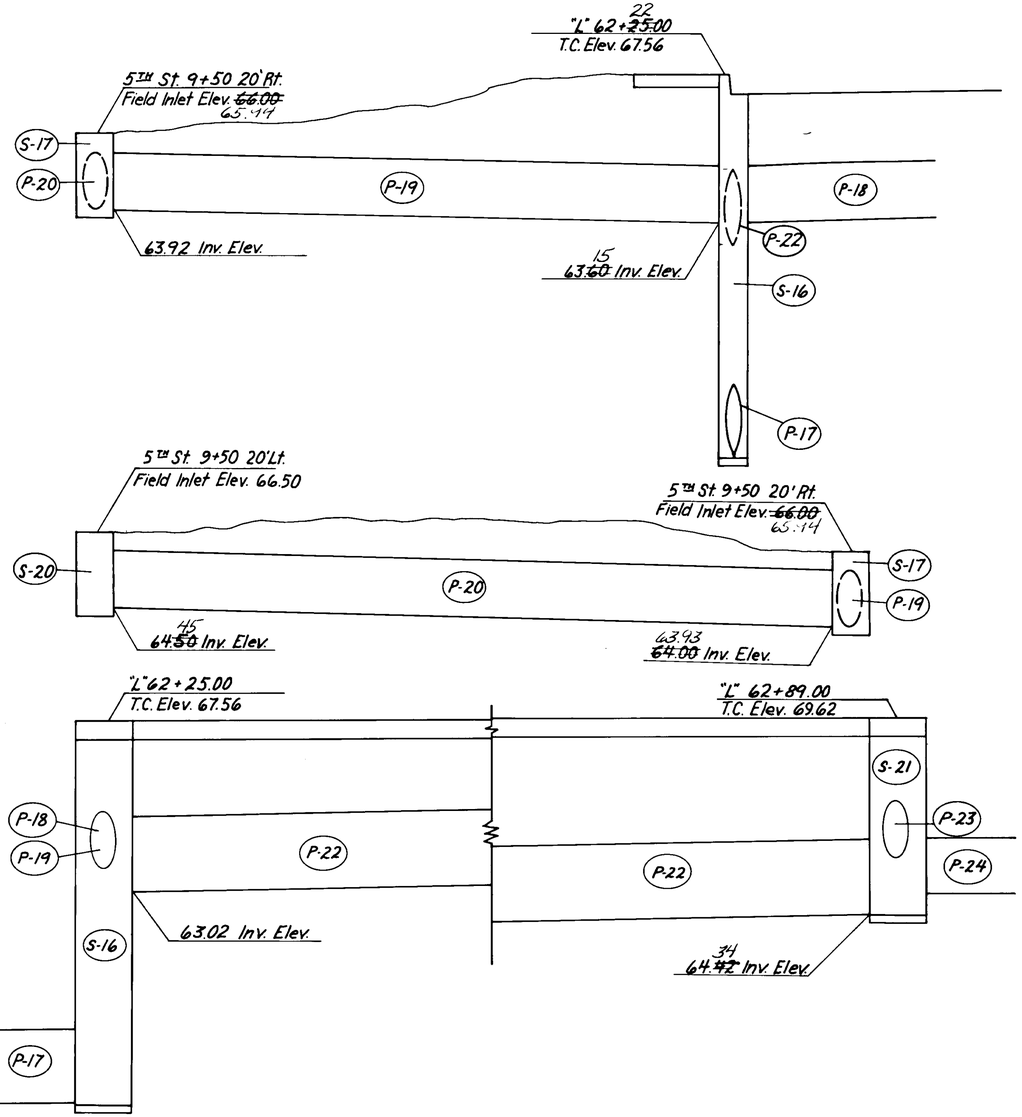
NOTES: (con't.) 8. Curb inlet grates shall be type G-3R, see standard drawing D-23.01.

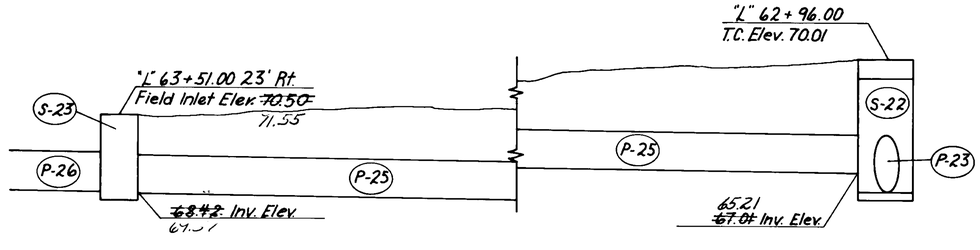
DRAINAGE DETAILS

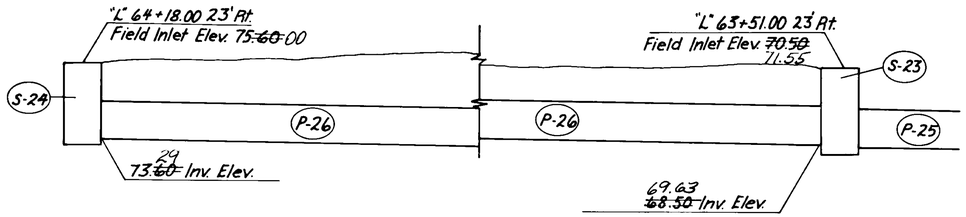
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	RS-0938(1)	1979	23	34











STRUCTURE SUMMARY

STRUCTURE	TYPE	LOCATION	OFFSET LEFT	OFFSET RIGHT	TOP CURB ELEV.	INVERT ELEV.
S-16	B	"L" 62+25.00 22.00	19.5'	65.94	67.56	57.42 24
S-17	X	5TH St. 9+50		20'**	66.00*	63.75 13
S-18	X	5TH St. 10+40		22'**	66.70*	64.45 82
S-19	X	5TH St. 10+40	22'** 23	67.01	68.00* 78	65.85 66.94
S-20	X	5TH St. 9+50	20'**		66.50*	64.33 2
S-21	A	"L" 62+89.00	19.5'		69.62	64.42 34
S-22	A	"L" 62+96.00		13'	70.01	66.43 65.36
S-23	X	"L" 63+51.00		23'**	70.50*	68.25 69.37
S-24	X	"L" 64+18.00		23'**	75.60*	73.43
				71.55	00	16

PIPE SUMMARY

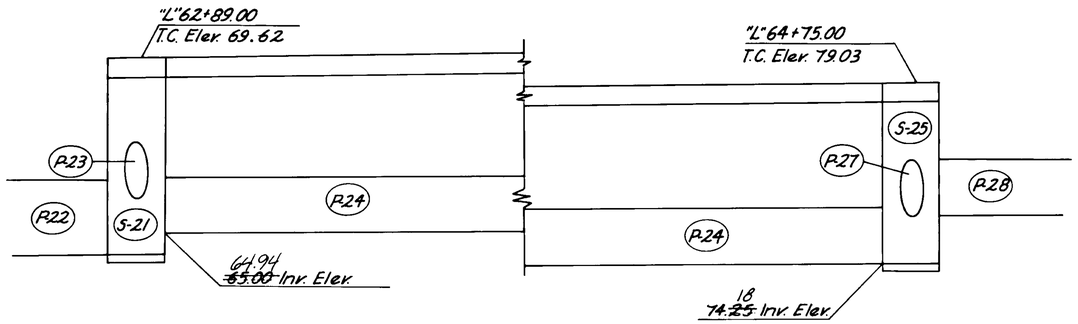
PIPE	DIA.	LENGTH	FROM STRUCTURE	FROM ELEV.	TO STRUCTURE	TO ELEV.	
P-19	18"	32 4	S-17	63.92	S-16	63.60	15
P-20	18"	38 40	S-20	64.50 45	S-17	64.00	63.93
P-21	18"	42 5	S-19	66.00 62	S-18	64.70	65.01
P-22	24"	62 7	S-21	64.42 34	S-16	63.02	
P-23	18"	30 2	S-22	66.43 65.36	S-21	65.86	64.45
P-25	12"	54'	S-23	68.42 69.57	S-22	67.01	65.21
P-26	12"	66 8	S-24	73.60 29	S-23	68.50	69.63

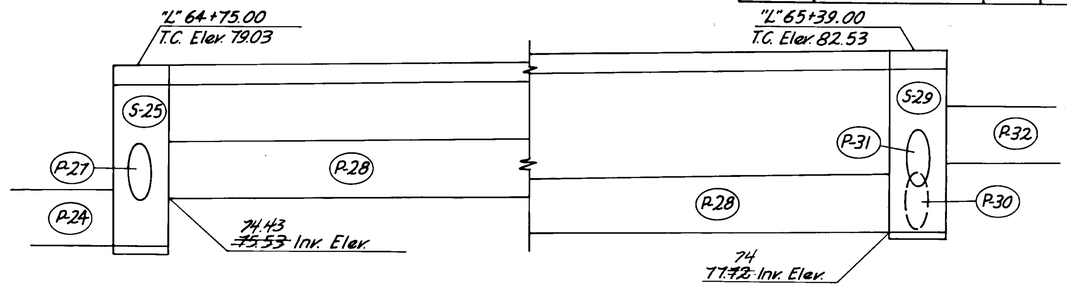
NOTES: 1. * = Top of grate elev.
2. ** = Offsets are to center of grate.
3. A = See standard drawing D-26.02
4. B = " " " D-27.10
5. X = 24" Pipe Conduit Inlet. (See sht. 31 for details.)
6. On type A or B inlets the offsets are to back of curb.
7. Back of curb elevations are approx. only.

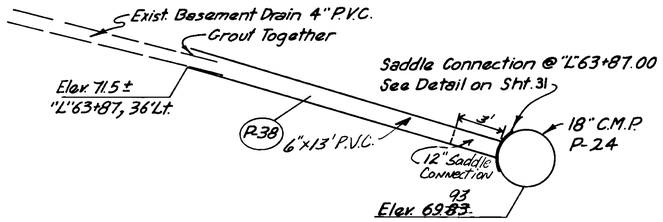
NOTES: (con't) 8. Curb inlet grates shall be type G-3R, see standard drawing D-23.01.

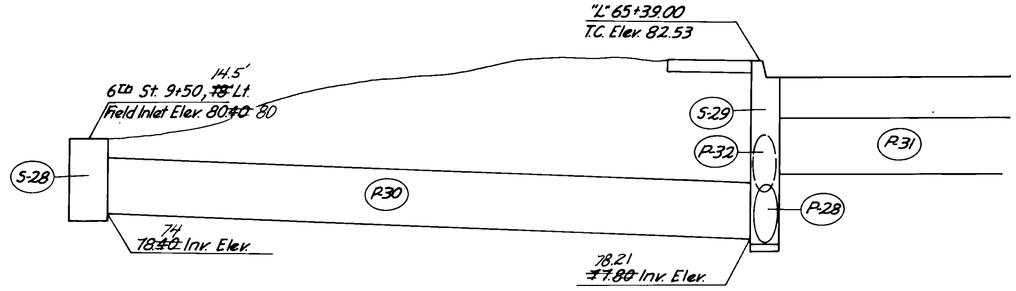
DRAINAGE DETAILS

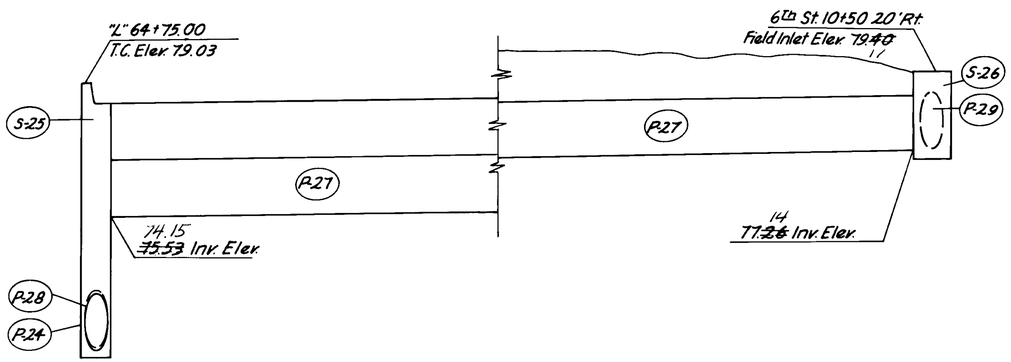
STATE	PROJECT DESIGNATION	YEAR	SHEET No.	TOTAL SHEETS
ALASKA	RS-0958 (I)	1979	24	34

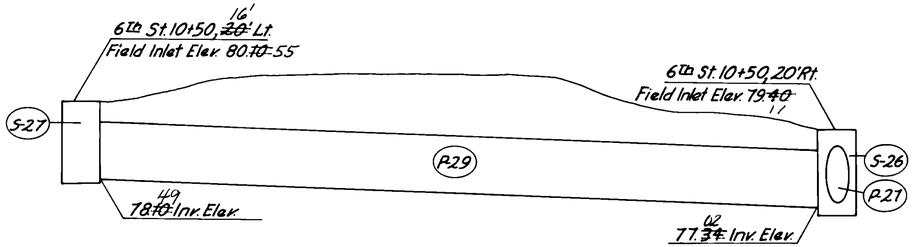












STRUCTURE SUMMARY

STRUCTURE	TYPE	LOCATION	OFFSET LEFT	OFFSET RIGHT	TOP CURB ELEV.	INVERT ELEV.
S-21	A	"L" 62+89.00	19.5'		69.62	64.~~42~~ 94
S-25	A	"L" 64+75.00	19.5'		79.03	74.~~25~~ 18
S-26	X	6th St. 10+50		20'**	79.~~40~~ *, 77.02	77.~~26~~ 14
S-27	X	6th St. 10+50	~~20'~~ 16'**		80.~~70~~ *, 77.93	~~77.93~~ 78.48
S-28	X	6th St. 9+50	~~18'~~ 14.5'**		80.~~40~~ *, 78.23	78.~~23~~ 20
S-29	A	"L" 65+39.00	19.5'		82.53	77.~~72~~ 74

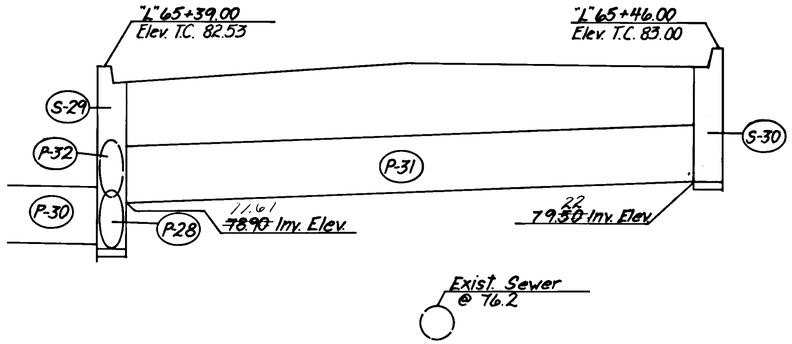
PIPE SUMMARY

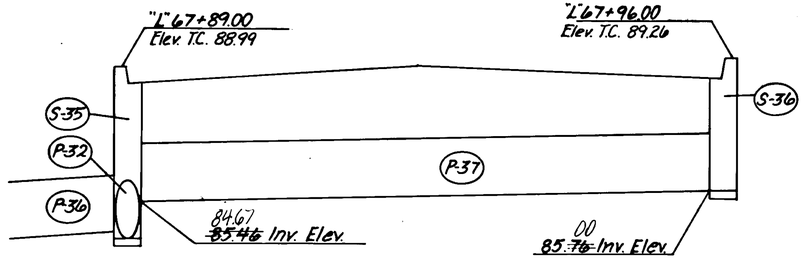
PIPE	DIA.	LENGTH	FROM STRUCTURE	FROM ELEV.	TO STRUCTURE	TO ELEV.	
P-24	18"	18~~4~~' 1	S-25	74.~~25~~ 18	S-21	~~65.00~~ 64.94	
P-27	18"	68' 10'	S-26	77.~~26~~ 14	S-25	~~75.53~~ 74.15	
P-28	18"	64'	S-29	77.~~72~~ 74	S-25	~~75.53~~ 74.43	
P-29	18"	38' 6	S-27	78.~~40~~ 49	S-26	77.~~34~~ 02	
P-30	18"	34' 6	S-28	78.~~40~~ 74	S-29	77.80	78.21
P-38	~~12~~" 6"	~~47~~' 13	4" P.V.C.	71.50 ±	18" CMP @ "L" 63+87	69.~~83~~ 93	

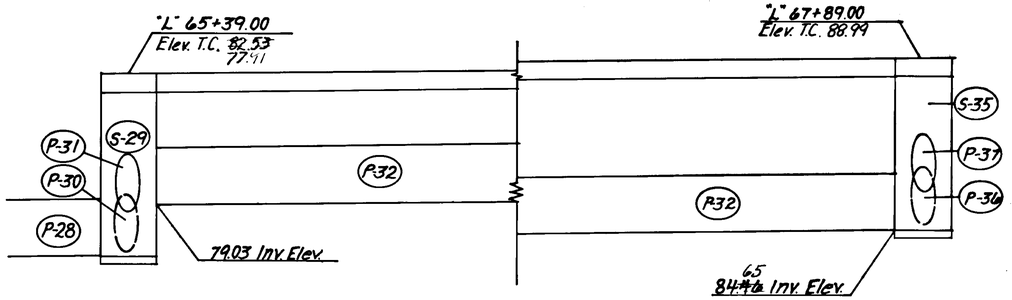
NOTES:
1. * = Top of grate elev.
2. ** = Offsets are to center of grate.
3. A = See standard drawing D-26.02.
4. X = 24" Pipe Conduit Inlet, (See sht. 31 for details.)
5. On type A or B inlets the offsets are to the back of curb.
6. Back of curb elevations are approx. only.
7. Curb inlet grates shall be type G-3R, (See standard drawing D-23.01).

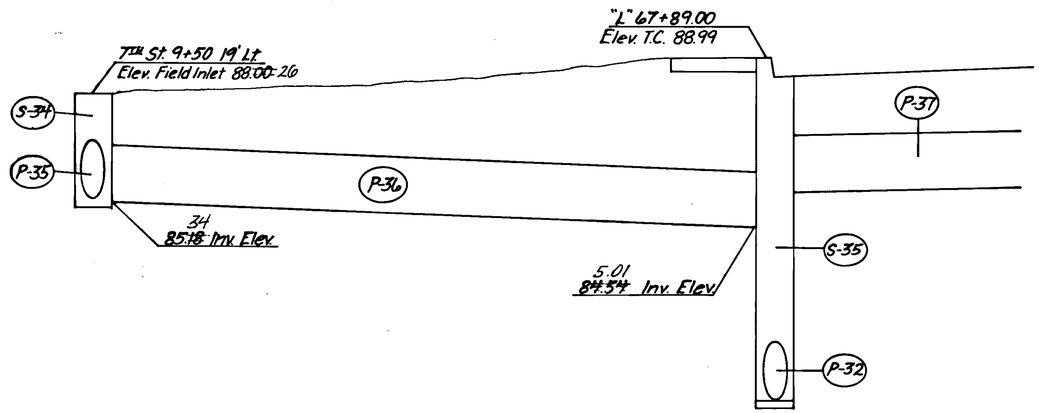
DRAINAGE DETAILS

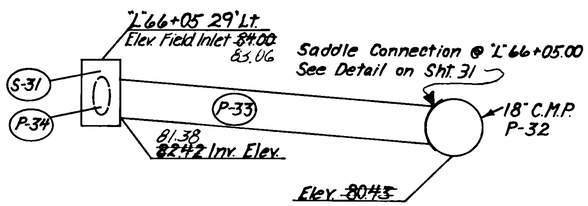
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	RS-0938(1)	1979	25	34

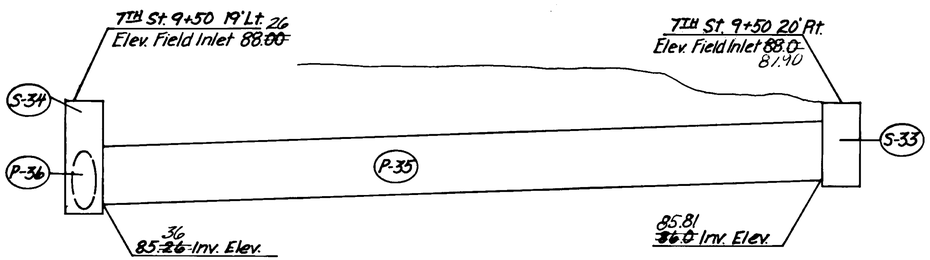


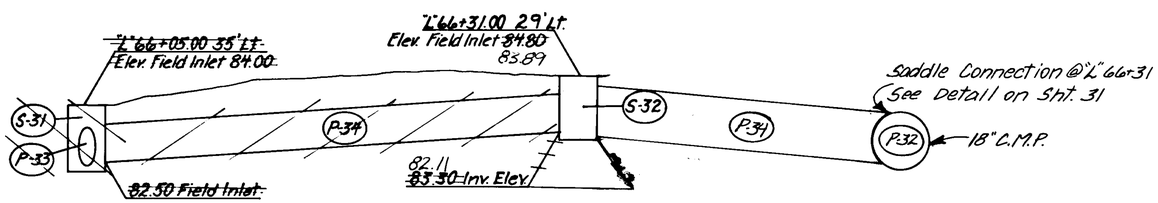












STRUCTURE SUMMARY

STRUCTURE	TYPE	LOCATION	OFFSET LEFT	OFFSET RIGHT	TOP CURB ELEV.	INVERT ELEV.
S-29	A	"L" 65+39.00	19.5'		82.53	77.72
S-30	A	"L" 65+46.00		13'	83.00	79.30
S-31	X	"L" 66+05.00	29'**	83.06	84.00 *	82.25
S-32	X	"L" 66+31.00	29'**	83.89	84.80 *	83.13
S-33	X	7TH St. 9+50		20'**	88.00 *	85.83
S-34	X	7TH St. 9+50	19'**	81.90	88.00 *	85.01
S-35	A	"L" 67+89.00	19.5'		88.99	84.46
S-36	A	"L" 67+96.00		13'	89.26	85.76
						84.81

PIPE SUMMARY

PIPE	DIA.	LENGTH	FROM STRUCTURE	FROM ELEV.	TO STRUCTURE	TO ELEV.	
P-31	18"	30'	S-30	79.50	S-29	78.90	77.69
P-32	18"	248'	S-35	84.46	S-29	79.03	77.91
P-33	12"	16'	S-31	82.42	18" C.M.P. @ "L" 66+05	80.43	79.69
P-34	12"	24'	S-32	83.30	S-31	82.50	80.39
P-35	18"	38'	S-33	86.00	S-34	85.26	85.01
P-36	18"	32'	S-34	85.18	S-35	84.54	84.67
P-37	18"	30'	S-36	85.76	S-35	85.46	

NOTES:
1. * = Top of grate elev.
2. ** = Offsets are to center of grate.
3. A = See standard drawing D-26.02.
4. X = 24" Pipe Conduit Inlet. (See sht. 31 for details)
5. On type A or B inlets the offsets are to back of curb.
6. Back of curb elevations are approx. only.
7. Curb inlet grates shall be type G-3R, see standard drawing D-23.01.

UTILITIES

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	RS-0938(1)	1979	26	34

N.01°20'18"W. MAIN STREET

"H" STREET

1st St.

2nd St.

MATCH LINE "L" 56+00.00

"L" 50+55 20' Lt. Adjust Valve Box.

"L" 51+50 & 1-1½" & 2-3½" Underground Electrical Conduits Approx. 6' bury.

"L" 50+65 & Begin Insulation Board

"L" 50+65 Rt. Install ¾" W.S.

Repair Existing Electrical Conduits E.W.O.#7

"L" 51+98 8" Rt. Install 8"x6" Reducer D.I.W.

"L" 52+00 Cut & Cap Exist. S. Service

"L" 52+00 Rt. to "L" 52+65 Lt. Rt.

Install "L" 52+00 & "L" 52+20 4" F. of 8" D.I. 71, 12

"L" 52+11, 11' Rt. abandon existing W.S.

"L" 52+51 Install 10-8"x8" D.I. Tee to 8"x6" Reducer Reconnect to Exist. 6" line.

"L" 52+60 16' Rt. End Insulation Board

"L" 52+57 2'5" Rt. Reconstruct Exist. M.H.

"L" 52+65 Rt. to "L" 53+00 Install 8" D.I.W.C. 327.52, 20' Rt. To 60' Rt. (E.W.O.#12) Connect to existing 6" transite Water Line

"L" 52+92 Install ¾" W.S.

"L" 52+92 Rt. Install ¾" W.S. & Cap for future use.

"L" 52+95 Rt. Install 8"GV & V.B.

"L" 52+95 Install 8"x8"x8" Tee

"L" 53+03 Install 8"GV & V.B.

"L" 53+03 Install ¾" W.S.

"L" 53+22 Install 6"x22' P.V.C. S.S.

"L" 53+22 Install 6"x22' P.V.C. S.S.

"L" 53+33 Install 6"x22' P.V.C. S.S.

"L" 53+69 Install 6"x23' P.V.C. S.S.

"L" 53+71 Install ¾" W.S. Lt.

Deleted

"L" 53+92 Install 6"x24' P.V.C. S.S.

"L" 53+95 Install ¾" W.S. & Cap

"L" 53+95 Install ¾" W.S.

"L" 53+98 Install 6"x25' P.V.C. S.S. Cappad

"L" 54+10 Install ¾" W.S.

"L" 54+38 Install 6"x22' P.V.C. S.S.

"L" 54+53 Install 6"x24' P.V.C. S.S.

"L" 54+86 Cap Exist. C.M.P. 27' Lt.

"L" 54+95 Install ¾" W.S.

"L" 55+04 Adjust Exist. M.H.

"L" 55+07 Install 6"x22' P.V.C. S.S.

"L" 55+07 Install 8"x22' P.V.C. Sewer

"L" 55+07 27' Lt. Remove Exist. Cap C.M.P. Prom const. limits

"L" 55+33 27' Lt. Cap Exist. C.M.P.

"L" 55+55 Install 6"x22' P.V.C. S.S. & Cap for future use.

"L" 55+81 Install ¾" W.S. & Cap for future use.

"L" 55+07 Install 8"x20' D.I.

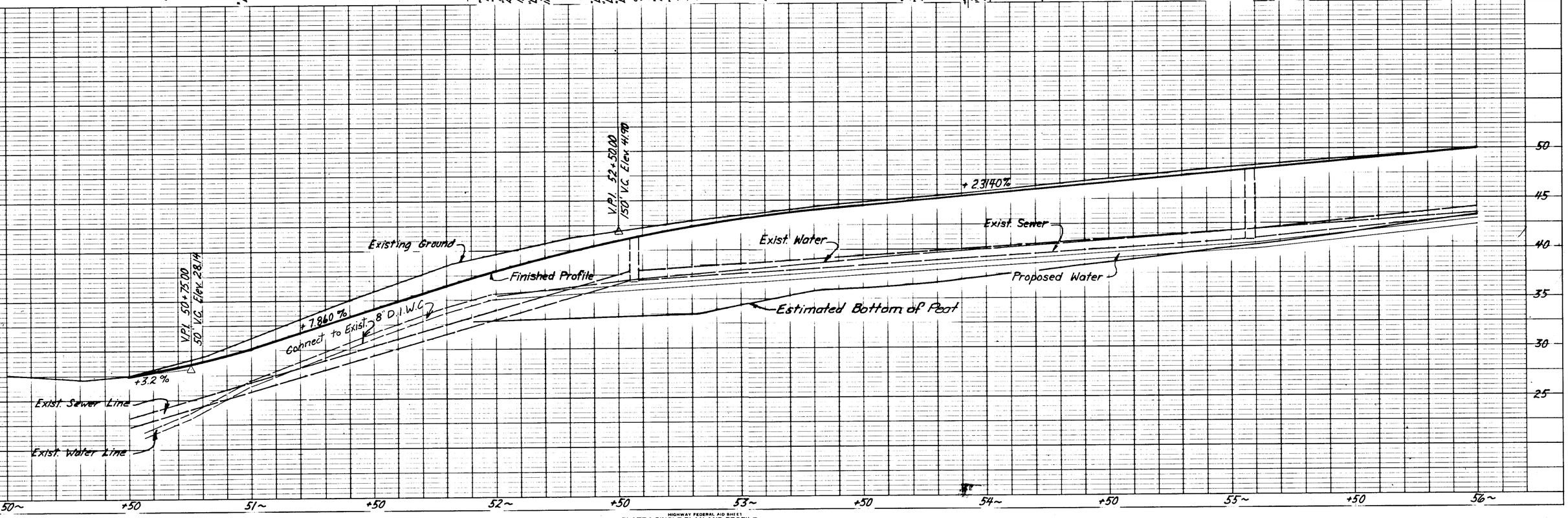
"L" 55+14 15' Rt. Install 8"GV & V.B.

"L" 55+16 17' Rt. Install 8"GV & V.B.

"L" 55+16 15' Rt. Install 8"x8"x8" Tee

"L" 55+16 Install 8"x22' D.I.W.C. from Tee to 8"x6" Reducer, Reconnect to Exist.

"L" 55+81 Install ¾" W.S. & Cap for future use.



HIGHWAY FEDERAL AID SHEET
PLATE 1-SINGLE PLAN AND PROFILE-FULL LINE
TELEDYNE

UTILITIES

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	RS-0938(1)	1979	27	34

MATCH LINE "L" 56+00.00

"L" 56+00 15° Rt. to "L" 62+00 15° Rt. Install 600' of 8" D.I.W.C.

"L" 56+00 Install 6"x25' P.V.C. S.S. & Cap

"L" 56+35 Install 6"x25' P.V.C. S.S.

"L" 56+44 Install 34" W.S.

"L" 56+82 Install 34" W.S. & Cap for future use.

"L" 56+88 Install 6"x25' P.V.C. S.S. & Cap

"L" 57+00 Install 6"x25' P.V.C. S.S. & Cap

"L" 57+12 Install 34" W.S. & Cap

"L" 57+28 14' Rt. Remove F.H. Install new F.H. 21' Rt.

"L" 57+38 24' Rt. Exist. Aband. 34" W.S.

"L" 57+39 Install 6"x40' P.V.C. Sewer from M.H. to Exist. "L" 56. Adjust M.H.

"L" 57+39 Install 6"x25' P.V.C. S.S. & Cap

"L" 57+42 Install 6"x25' P.V.C. S.S.

"L" 57+57 Adjust M.H.

"L" 57+65 58' Lt. Cap Exist. C.M.P.

"L" 57+82 Remove Portion of Exist. 8" D.I.P. with 8" D.I.P. & Install 8" G.V. & V.B.

"L" 57+82 Install 8" D.I.W.C. from G.V. to Exist. 8" D.I.P. 6" Reducer.

"L" 57+82 2 Lt. Install 34" W.S.

"L" 58+18 Install 6"x25' P.V.C. S.S.

"L" 58+29 Install 6"x25' P.V.C. S.S.

"L" 58+42 Install 6"x25' P.V.C. S.S.

"L" 58+90 Install 6"x25' P.V.C. S.S. Capped for future use.

"L" 58+99 Install 34" W.S.

"L" 59+25 Install 6"x25' P.V.C. S.S.

"L" 59+42 Install 34" W.S.

"L" 59+55 Install 6"x25' P.V.C. S.S.

"L" 59+68 Install 34" W.S.

"L" 59+94 Install 8"x33' D.I. Sewer Main

"L" 60+07 Adjust M.H.

"L" 60+15 15° Rt. Install 8" G.V. & V.B.

"L" 60+15 to "L" 60+22 Replace 8" P.V.C. w/8" D.I.

"L" 60+22 15° Rt. Install 8"x8" Cross & 8" G.V. & V.B. 12½ Rt.

Rt. 12.5' 8"x8" D.I.W.C. Cap for future use.

"L" 60+17 36° Lt. Install 8" D.I. 22½ 60+20.36' Lt. Install 8" D.I.W.C. to 38' Rt., Install 45° elbow, 8"x10" D.I.W.C. 45° elbow & connect to exist. w/8"x6" Reducer.

"L" 60+42 Install 6"x25' P.V.C. S.S.

"L" 60+44 Install 34" W.S.

"L" 60+60 Cut and cap existing sewer service

"L" 61+08 Install 34" W.S.

"L" 61+22 Install 6"x25' P.V.C. S.S.

"L" 61+35 Install 6"x20' P.V.C.

"L" 61+35 Install 34" W.S.

"L" 61+85 Install 6"x25' P.V.C. S.S.

"L" 61+95 Install 34" W.S.

Relocate Existing Water Meter (F.W.O. #9)

MATCH LINE "L" 62+00.00

"H" STREET

3RD ST.

Left in Place 34" W.S.

Existing 6" Transite Left in Place 57+39

R/W

P/L

V.P.I. 58+75.00
100' V.C. Elev. 56.36

+2.3140 %

+3.1867 %

Existing Ground

Finished Profile

Exist. Water

Exist. Sewer Line

Exist. Sewer

Proposed Water

Proposed Water Line

Estimated Bottom of Peat

56~ +50 57~ +50 58~ +50 59~ +50 60~ +50 61~ +50 62~

70 65 60 55 50 45 40 35

HIGHWAY FEDERAL AID SIII(1)

PLATE 1-SINGLE PLAN AND PROFILE-FULL LINE

UTILITIES

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	RS-0938(1)	1979	28	34

Match Line "L" 62+00.00

Match Line "L" 68+00.00

"H" STREET

5th St.

6th St.

7th St.

Regrade existing Driveways E.W.O. #12

"L" 62+22 Install 6"x25' PVC. SS

"L" 62+33 Install 6"x25' PVC. SS

"L" 62+00, 15' Rt. to "L" 62+33, 15' Rt. Install 8" Water Line & Begin Taper to Existing

"L" 62+00 DIWC & Connect w/ Relayed Existing 15' Rt.

"L" 62+52 E Adjust MH.

"L" 62+84 E to "L" 62+94 E Replace 8" PVC. w/8" DI.

"L" 62+74 8 15' Rt. Install 8"x8"x8" Tee.

"L" 62+74 8 25' Rt. Install 8"GV. & V.B.

"L" 62+79, 27' Rt. Remove F.H.

"L" 62+93 to "L" 63+01 Install 6"x25' PVC. SS

"L" 63+08 Install 3/4" W.S.

"L" 63+08 Install 3/4" W.S.

"L" 63+25 Install 6"x25' PVC. SS

"L" 63+32 Install 6"x25' PVC. SS

"L" 63+32 Cap for future use. & "L" 63+44 Install 3/4" W.S. & Cap for future use

"L" 63+32 Install 3/4" W.S.

"L" 63+44 Install 6"x25' PVC. SS

"L" 64+34 Install 3/4" W.S.

"L" 64+25 Install 6"x25' PVC. SS

"L" 65+07 to "L" 68+45 Existing Sewer Main to be abandoned in place

"L" 63+32 Install 3/4" W.S.

"L" 63+25 Install 6"x25' PVC. SS

"L" 64+34 Install 3/4" W.S. & Cap for future use.

"L" 64+37 Install 6"x25' PVC. SS

"L" 64+37 Begin Taper of 8" Line from 15' Rt. to 0' Rt. & "L" 65+32 w/ 55° of 8" DI.

"L" 65+07 E Adjust MH. & Reconstruct MH

"L" 65+28, 15' Rt. Install 8" G.V. & V.B.

"L" 65+23 Connect 8" DIWC. to Relayed Exist. 8" DIWC. Exist. 15' Rt.

"L" 65+46 Install 3/4" W.S.

"L" 65+27 Install 6"x25' PVC. SS

Begin Relaying of Existing Water Main (E.W.O. #6) 65+23 to 69+63

"L" 65+07 E to "L" 67+57 E Install 8"x25' PVC.

"L" 66+88 Install 6"x25' PVC. SS

"L" 66+94 Install 3/4" W.S.

"L" 66+80 Install 6"x25' PVC. SS

Existing Water Meters to be Relocated & Reset

"L" 66+94 Install 3/4" W.S.

"L" 67+04 Remove & Dispose Exist. MH. (C.O. #2)

"L" 67+57 E Install M.H.

"L" 67+75, 20' Rt. Adjust MH

Deleted

Deleted

R/W

P/L

SS

W

63+08

63+23

63+25

63+01

63+08

63+32

63+44

64+34

64+25

64+37

65+07

65+28

65+23

65+46

65+27

66+88

66+80

66+94

67+04

67+57

67+75

63

64

65

66

67

V.P.I. 63+25.00
100' V.C. Elev. 72.70

+5.520%

+3.1867%

V.P.I. 65+75.00
100' V.C. Elev. 84.50

+2.072.7%

+0.7200

+1.7928%

+6.6800%

Existing Ground

Finished Profile

Exist. Water

Exist. Sewer

Proposed Water

Proposed Sewer

Estimated Bottom of Peat

Exist. M.H.
Inv. Elev. 74.3

Begin Relaying of Existing Water Main (E.W.O. #6)

Cover Elev. 88.27

Inv. Elev. 78.50-62

Inv. Elev. 78.50-62

90
85
80
75
70
65
60
55

62~ +50 63~ +50 64~ +50 65~ +50 66~ +50 67~ +50 68~

HIGHWAY FEDERAL AID SHEET
PLATE 1-SINGLE PLAN AND PROFILE-FULL LINE

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	RS-0938(1)	1979	29	34

UTILITIES

"L" 68+16, Install ¾" W.S.
"L" 68+25 Install 6"×25' PVC. S.S.
"L" 68+45 Relocate E.W.D. #9
"L" 68+50 Install ¾" W.S.
"L" 68+52 Install 6"×16' PVC. S.S.
"L" 68+48 Abandon Exist. S.S. in place
"L" 68+83 Install ¾" W.S.
"L" 68+83 Install 6"×56' PVC. S.S.
"L" 68+56 Relocate Existing Water Meters E.W.D. #9
"L" 67+57.0 Lt. to "L" 70+07.29 Rt. Install 8"×252' P.V.C. 22 Lt. Sewer
"L" 70+07.29 Install M.H.
"L" 70+29 Install 6"×36' PVC. S.S.
"L" 70+07.29 22' Lt. to "L" 71+14 7' Rt. Install 8"×113' P.V.C. Sewer
"L" 71+24 Install 6"×26' PVC. S.S.
"L" 71+14 7' Rt. to "L" 72+32 23' Rt. Install 11" × 8" P.V.C. Sewer Line (C.O. #3)
"L" 69+75, 16' Rt. Install 8' G.V./V.B.
End Relaying of Existing Water Main @ Sta. 69+62 (E.W.D. #6)
"L" 69+62 to "L" 69+75 Install 11.13 of 8" D.I.W.C., Connect to Existing 8TH St.
"L" 70+29 Install 8' GV & V.B. 11' Rt.
"L" 70+49 Install ¾" W.S.
"L" 70+49 Install 6"×50' PVC. S.S.
"L" 70+24 11' Rt. to "L" 77+94 22 Lt. Install 8"×824' D.I.W.C.
"L" 71+36 Install ¾" W.S.
"L" 71+36 Install 6"×35' PVC. S.S.
"L" 72+32 23' Rt. to "L" 74+09 255' Rt. Install 8"×170' P.V.C. Sewer
Invert Elev. 74.3
Outfall Elev. 70.8
MATCH LINE "L" 68+0.000
MATCH LINE "L" 74+00.00
"H" STREET
8TH St.
9TH St.
R/W
P/L

PAVEMENT REMOVAL DETAIL

Exist. Pavement
2½" Hot Asphalt Pave.
6" Base Course
9" Subbase
Suitable Backfill
Suitable Bedding Material
Exist. Pavement

"L" 70+47.55 to "L" 73+00.00
"L" 77+70 to "L" 78+10.00

V.P.I. 68+50.00
100' V.C. Elev. 90.20
V.P.I. 70+00.00
50' V.C. Elev. 92.50
Top of Manhole 31 Cover Elev. 93.57
Existing Ground
+1.5333 %
-0.7557 %
Finished Profile
Exist. Water
Proposed Water
Exist. Sewer
Proposed Sewer Line
-0.7200 %
-0.5 %
Invert Elev. 80.50
Proposed Sewer
Estimated Bottom of peat
Approximate deep crow limits. No peat excavation required.

95
90
85
80
75
68~ +50 69~ +50 70~ +50 71~ +50 72~ +50 73 +50 74~

HIGHWAY FEDERAL AID SHEET
PLATE 1-SINGLE PLAN AND PROFILE-FULL LINE

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	RS-0938(1)	1979	30	34

UTILITIES

R/W

"L" 78+22.27' Lt. Cap 8" D.I.W.C. for future use.

"L" 78+07.17' Lt. Install M.H. & plug outlet 180° opposite inlet for future use.

Capped

"L" 77+87.06 P.T. = Ped. Access P.T. 40' Rt.

S. 48° 18' 54" E.

"H" STREET

MATCH LINE "L" 74+00.00

MATCH LINE "L" 80+00.00

74 75 76 77 78 79

"L" 74+09 Install M.H.

"L" 74+09 25.5' Rt. Install M.H.

"L" 74+10 45.5' Rt. to "L" 75+10 45.5' Rt. Install 8"x102°/01 Install S.S. P.V.C.

NOTE: Ped. access path will have a 2% super through the curves.

"L" 75+10 45.5' Rt. Install M.H.

"L" 75+10 45.5' Rt. to "L" 76+61 45.5' Rt. Install 8"x45° P.V.C. Sewer 151'

ROADWAY
Δ = 41°53'44"
D = 5° Rt
T = 438.68
L = 837.91
R = 1145.916

"L" 76+61 45.5' Rt. Install M.H.

R/W

"L" 76+61 45.5' Rt. to "L" 77+81 45.5' Rt. Install 8"x11¼° P.V.C. Sewer 146'

"L" 77+73.35' Rt. Install 6"x45° Elbow.

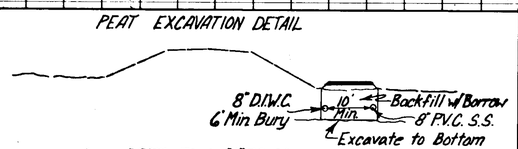
"L" 77+81 45.5' Rt. Install M.H.

"L" 78+05, 40' Rt. to "L" 78+05, 40' Rt. Install 8"x45° P.V.C. Sewer 57'

"L" 78+05, 40' Rt. to "L" 78+81 45.5' Rt. to "L" 78+07 Install 8"x45° P.V.C. Sewer.

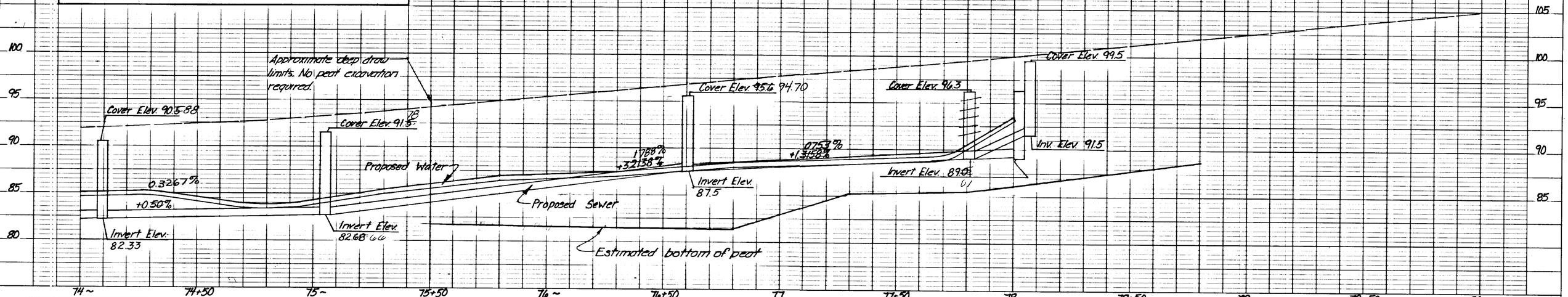
"L" 77+93.28' Rt. Install 6"x8" Tee

PEAT EXCAVATION DETAIL



Approx. "L" 74+50 to "L" 78+00

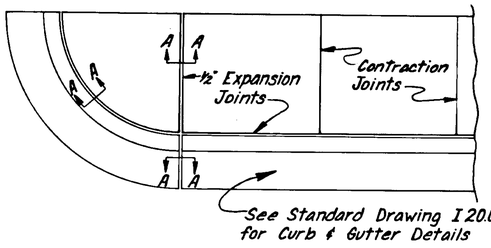
NOTE: Pedestrian access path shall maintain a min. finished grade of 0.5' above existing ground over peat excav. From "L" 74+00 to "L" 78+00.

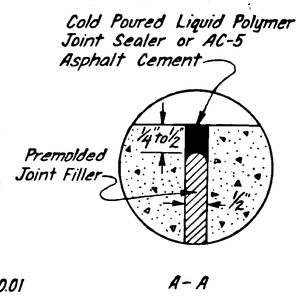


STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	RS-0938(1)	1979	31	34

MISC. DETAILS

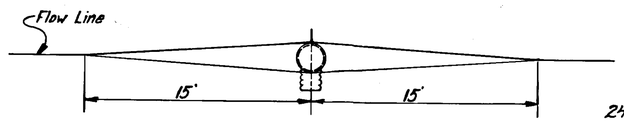
TYPICAL CURB & SIDEWALK JOINT DETAIL





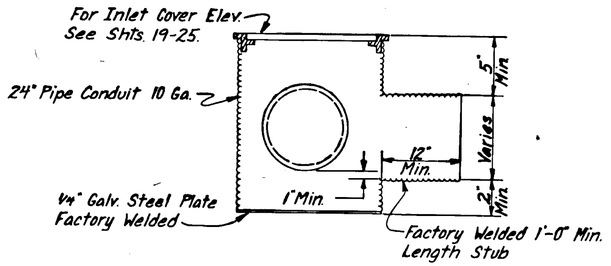
NOTES
1. Premolded expansion joint filler & liquid polymer joint sealer (see specs.) or AC-5 asphalt cement shall be considered incidental to Pay Item 608(1) "Concrete Sidewalk" and no separate payment shall be made therefore.
2. Curb & gutter expansion joints shall be at each end of the curb returns, & immediatly preceeding & following all curb cuts. Thereafter they shall be placed at intervals of 30' except where shorter sections are needed for closure.
3. Sidewalk expansion joints shall be opposite expansion joints in adjoining curb & gutter. Contraction joints shall be equally spaced between expansion joints & spacing shall not exceed 5'.
4. Wheelchair ramps shall be constructed as detailed on this sheet & shall be constructed at locations designated by a ★ on the plan sheets.

24" PIPE CONDUIT INLET

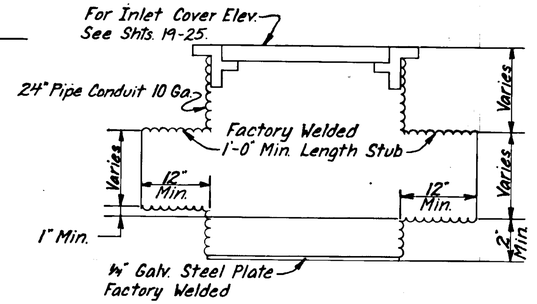


Transition from "V" to Flat Bottom Ditch

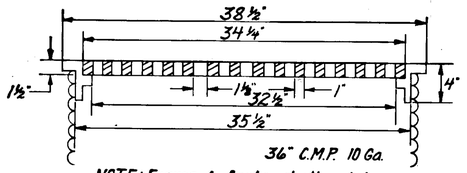
24" FIELD INLET DETAIL



36" FIELD INLET DETAIL

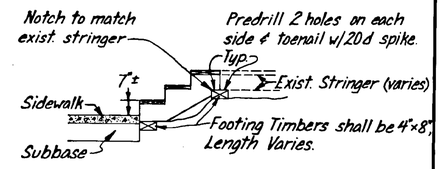


GRATE DETAIL



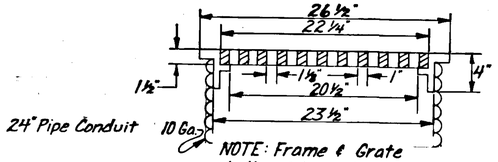
NOTE: Frame & Grate shall weigh a minimum of 280 lbs.

WOODEN STAIR AND SIDEWALK DETAIL



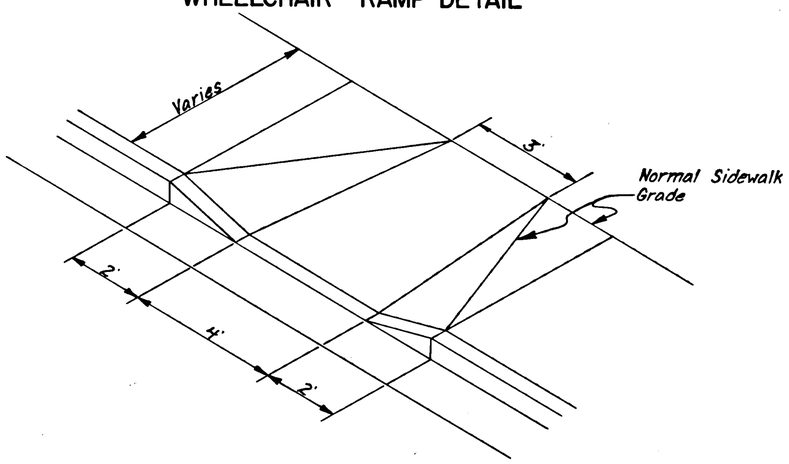
NOTES
1. Wooden stairs & sidewalks shall be field fit to match exist. walks to new concrete sidewalks as directed by the engineer.
2. Exist. structures not being removed shall be protected during construction.
3. Footing timbers shall extend 2" outside the outer stringer.
4. All stairs with 3 risers or less & sidewalks wider than 3' shall have 3 stringers.
5. All lumber dimensions & nail sizes shall conform to Standard Drawing M-05.01 except 2"x8" stringers may be used on the wood sidewalks or as directed by the engineer.
6. Where applicable & the walk is in an embankment area Standard Drawing M-05.01 shall be utilized with the landing to match back of sidewalk grade.
7. Footings, posts, & field cuts in contact w/the ground shall be treated w/preservative creosote oils. Water born preservatives shall be used above ground as per the latest standards of the A.W.P.A.
8. All ferous metals shall be galvanized.
9. Furnish & install wood bracing as req'd. by the eng.

GRATE DETAIL

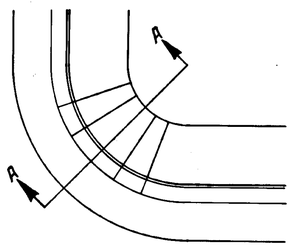


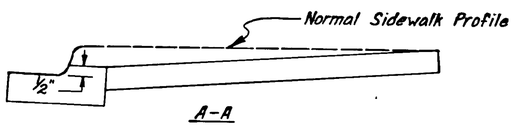
NOTE: Frame & Grate shall weigh a minimum of 160 lbs.

WHEELCHAIR RAMP DETAIL

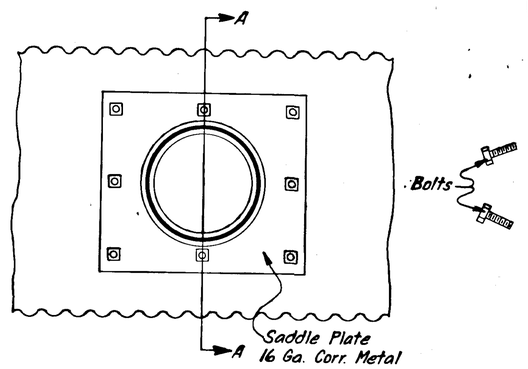


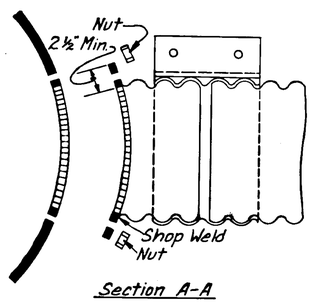
NOTES
1. Ramps shall have a wood float finish or rougher finish.
2. Ramps shall have a small curb face of ½".





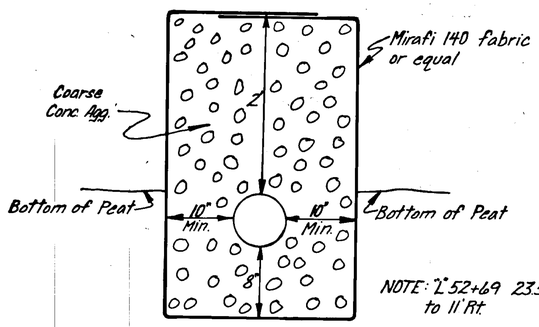
SADDLE CONNECTION DETAIL





Section A-A

PERF. PIPE DETAIL



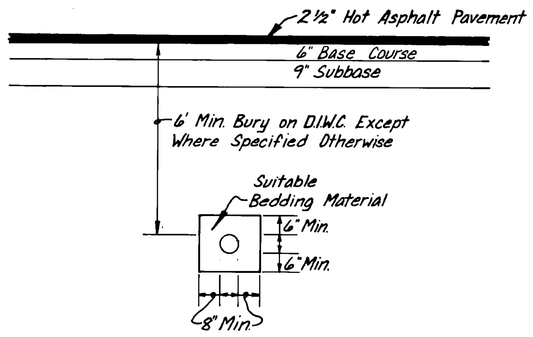
NOTE: L 52+69 23.5' Lt. to 11' Rt.

NOTE: Top of pipe at or below bottom of peat.

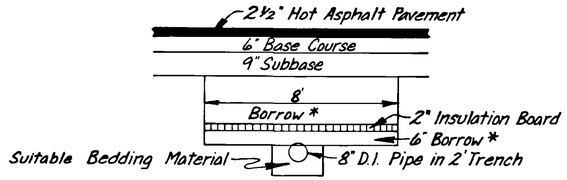
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	RS-0938(1)	1979	32	34

UTILITIES DETAILS

TYPICAL WATER AND SEWER PIPE BEDDING

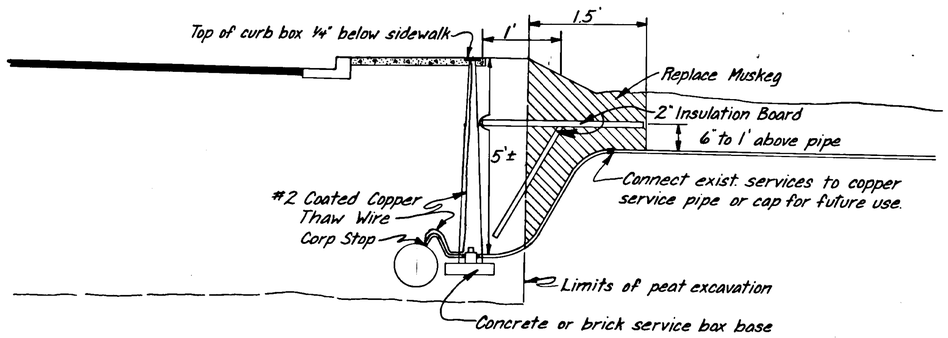


INSULATION BOARD DETAIL



* Borrow shall be 2" minus & suitable to the project engineer.

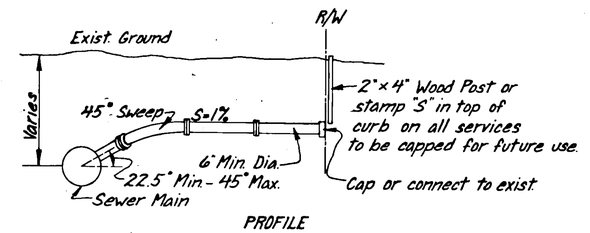
WATER SERVICE CONNECTION DETAIL



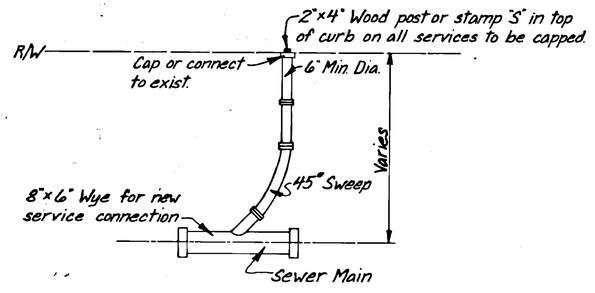
WATER SERVICE NOTES

1. See water service connection table on sheet 5 for Corp. & Service sizes.
2. Thaw wire shall be long enough to extend 1' above top of service box.
3. Insulation board is 8" wide.

SEWER SERVICE CONNECTION DETAIL



PROFILE

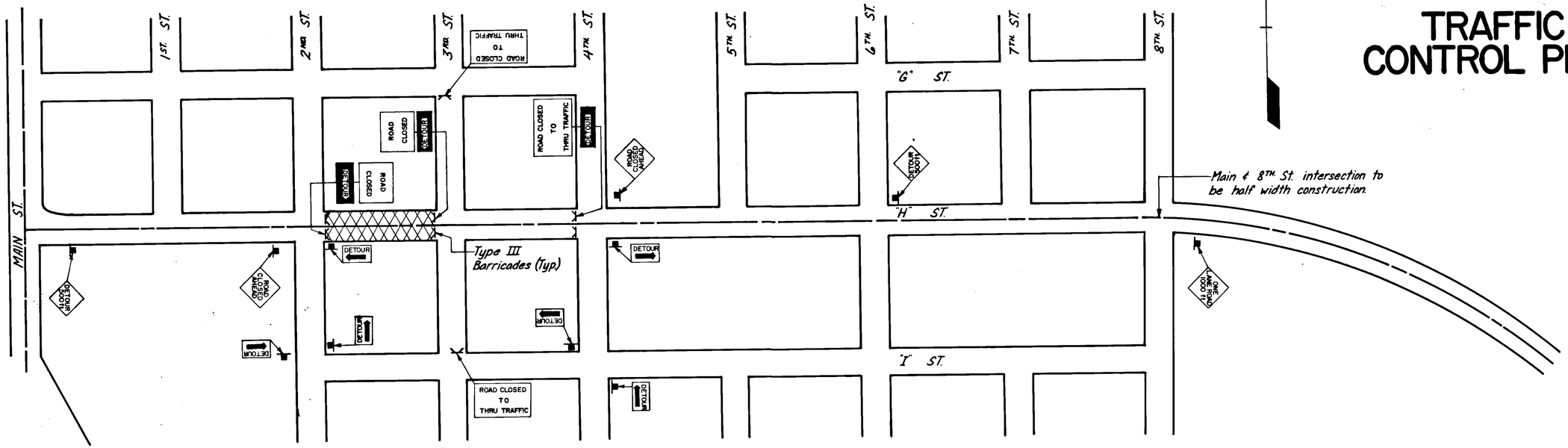


PLAN

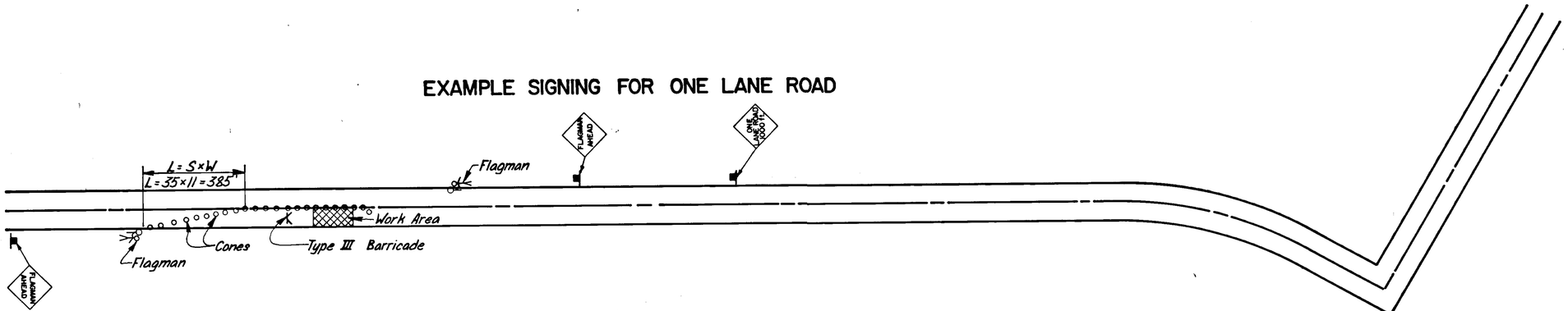
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	RS-0938(1)	1979	33	34

TRAFFIC CONTROL PLAN

EXAMPLE SIGNING FOR DETOUR



EXAMPLE SIGNING FOR ONE LANE ROAD



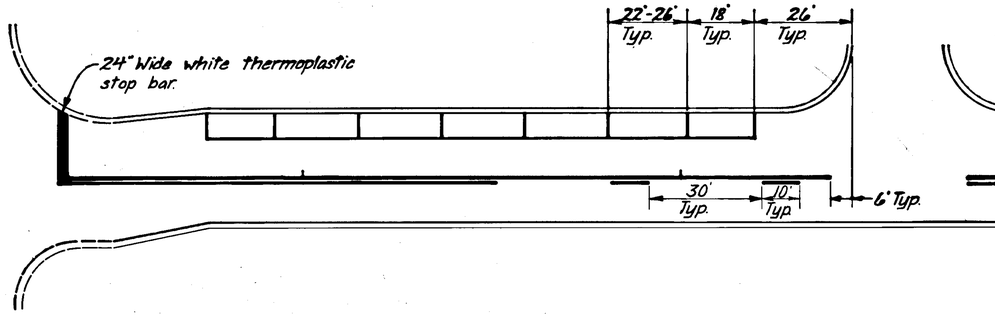
RECOMMENDED DETOURS	
"H" ST. CLOSED BETWEEN	DETOUR ON
Main & 1ST. Streets	Main, "G" & 2ND. Streets
1ST. & 2ND. "	Main, "G" & 2ND. "
"H" & 2ND. St. Inters.	1ST. "G" & 3RD. "
2ND. & 3RD. Streets	2ND. "I" & 4TH. "
3RD. & 4TH. "	2ND. "I" & 4TH. "
"H" & 4TH. St. Inters.	3RD. "I" & 6TH. "
4TH. & 5TH. Streets	4TH. "I" & 6TH. "
5TH. & 6TH. "	4TH. "G" & 6TH. "
6TH. & 7TH. "	6TH. "G" & 8TH. "
7TH. & 8TH. "	6TH. "G" & 8TH. "

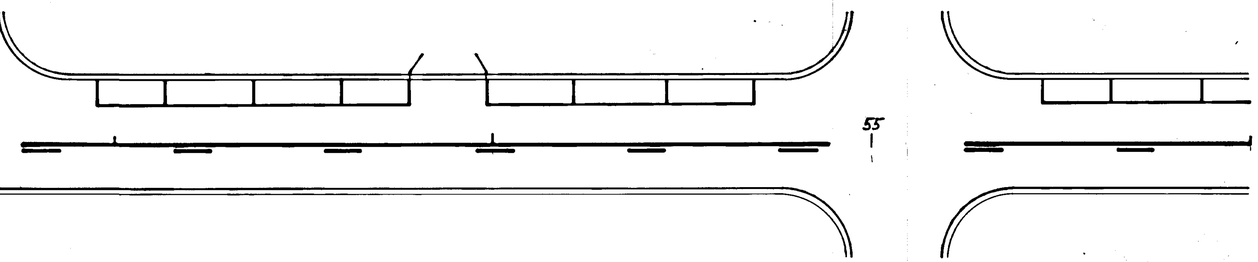
NOTES

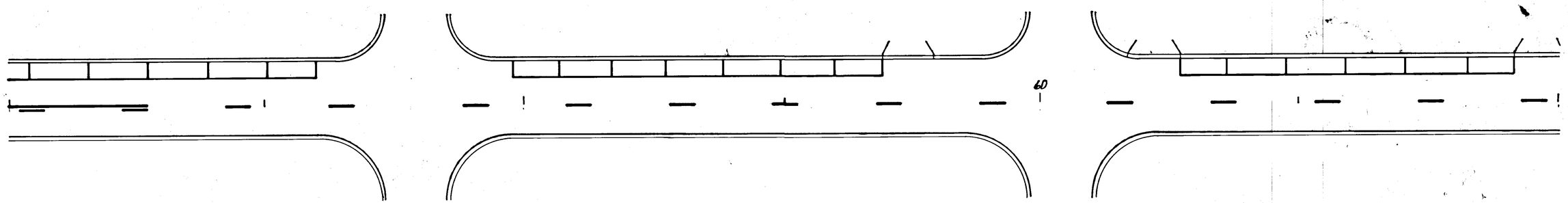
1. Where part width construction is deemed impractical by the contractor, along with the engineer, detours may be used.
2. Additional traffic control information & construction signing will be required as shown on Std. Drawings C-00.04, C-10.03, & C-11.03.
3. Const equipt. shall be routed within the project limits whenever possible.
4. The contractor shall be responsible to see that any resident is given 24 hrs. notice before access to his property is cut off. The engineer shall be given the same notice 24 hrs. in advance.
5. No more than one block at a time shall be closed to vehicle access and continuous pedestrian access to residences shall be provided.
6. Permission to close city streets or to use city streets for detours shall be coordinated with the project engineer & local officials, including fire & police depts., ambulance service, & other emergency vehicles.

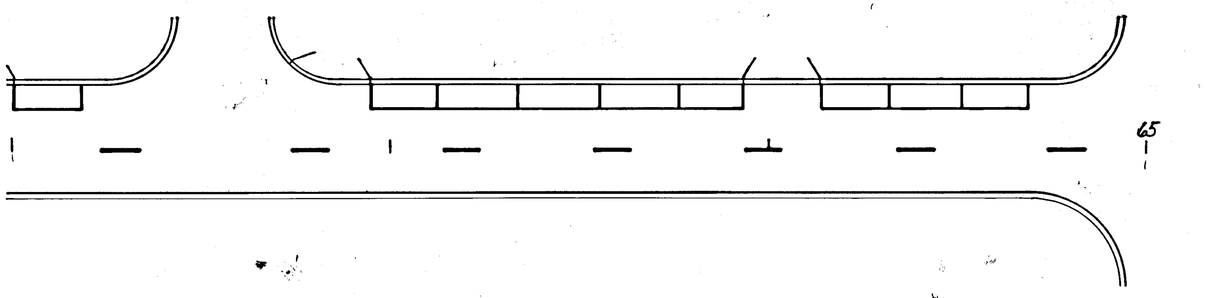
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	RS-0938(1)	1979	34	34

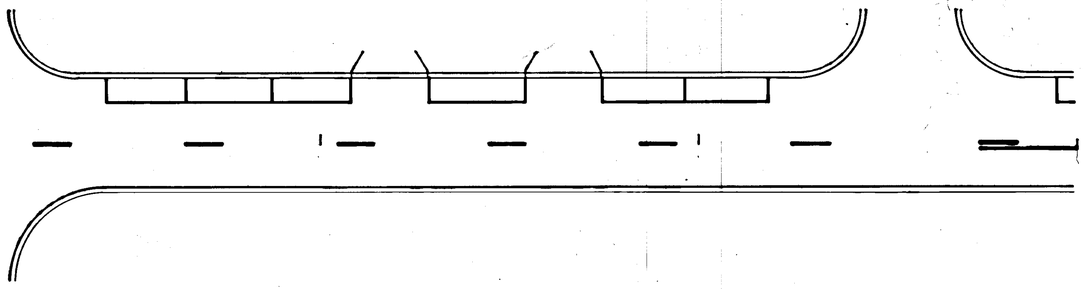
STRIPING PLAN

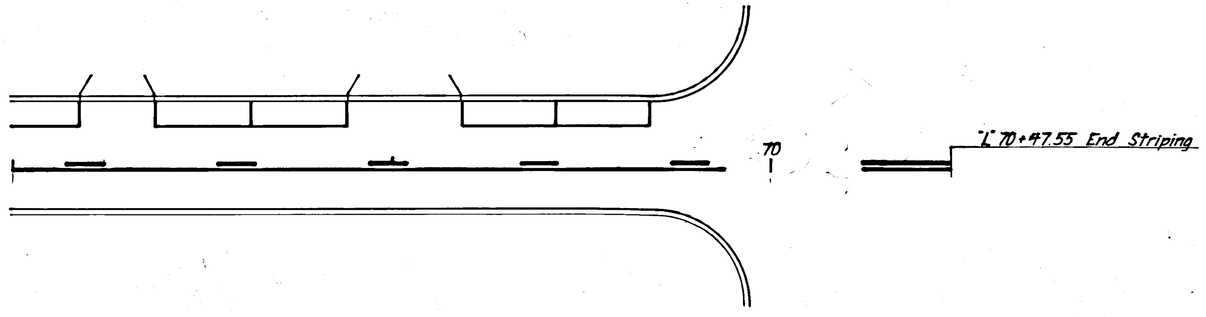












NOTES

1. All Centerlines shall be 4" Thermoplastic Pavement markings.
2. The ℄ striping shall be yellow ℄ the parking lines shall be white.
3. Lines are approx. only ℄ shall be field adjusted.
4. Dashed line shall be on a 1:3 basis with 10' stripes and 30' gaps.
5. 24" Stop Bar shall be Thermoplastic.
6. All parking lines shall have 4" painted stripes.