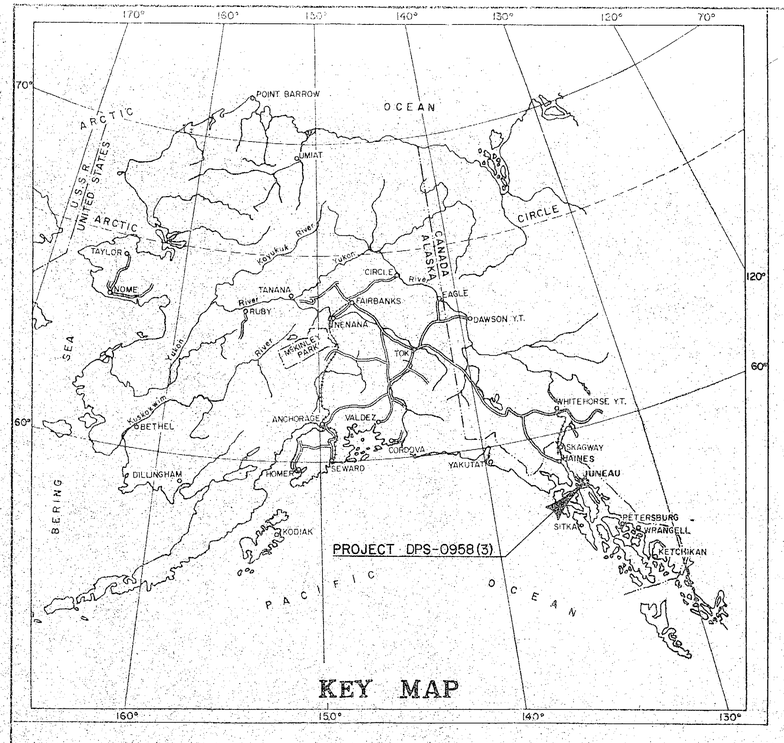
STATE	PROJECT	SHEET NO.	TOTAL SHEETS
ALASKA	DPS-0958(3)	1	64

AS ADVERTISED



KEY MAP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES

PLAN AND PROFILE
PROPOSED HIGHWAY PROJECT
CORDOVA STREET TO DOUGLAS
DPS-0958(3)
GRADING, DRAINAGE & PAVING

SHT NO	INDEX OF SHEETS
1	TITLE
2	TYPICAL SECTIONS
3	ESTIMATE OF QUANTITIES SUMMARY TABLES
4	MISCELLANEOUS DETAILS & SUMMARY TABLES
5	TRAFFIC CONTROL PLAN
6-20	PLAN & PROFILE SHEETS
21-27	INTERSECTION DETAILS
28-31	SOLDIER PILE RETAINING WALL DETAILS
32	SHEET PILE WALL DETAILS
33-42	DRAINAGE DETAILS & PROFILES
43-60	UTILITIES
61-64	SIGNING & STRIPING

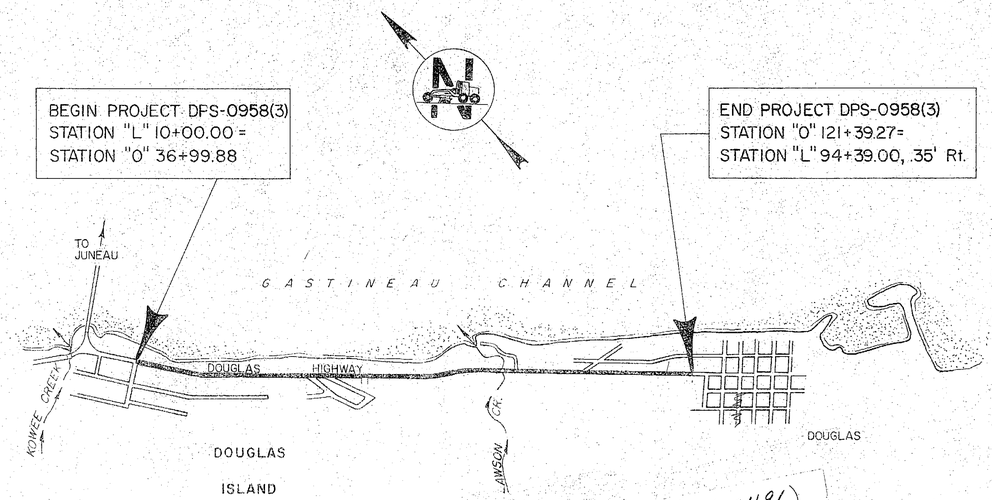
THE FOLLOWING STANDARD DRAWINGS SHALL APPLY TO THIS PROJECT: A-1, C-00.04, C-10.03 C-11.03, D-01.00, D-04.00, D-05.00, D-13.01, D-20.10, D-23.01, D-24.13, D-27.10, F-01.21, F-03.00, G-04.15, G-14.07, G-15.00, G-18.12, G-24.00, I-20.01, I-80.00 M-01.00, M-05.01, M-16.03, M-20.02, M-23.01, S-00.11, S-05.00, S-20.10, S-30.12, T-20.03, T-21.03, U-03.00

PROJECT SUMMARY

WIDTH OF SUBGRADE	=	46' & 49'
WIDTH OF PAVEMENT	=	37' & 42'
LENGTH OF GRADING	=	8135.39' = 1.541 MI.
LENGTH OF PAVING	=	8135.39' = 1.541 MI.
LENGTH OF PROJECT	=	8439.39' = 1.598 MI.

DESIGN DESIGNATION

CORDOVA ST. TO LAWSON CR. RD.		LAWSON CR. RD. TO "I" ST.	
ADT(1978)	4067	ADT(1978)	3599
ADT(2000)	7565	ADT(2000)	6694
DHV(12%)	908	DHV(12%)	803
D	60-40	D	60-40
%T	4%	%T	4%
V	40 mph	V	40
TRAFFIC INDEX	8.0	TRAFFIC INDEX	7.5



Kay Parker (586-2491)
2990 Douglas Hwy
Valve Box monument missing

"AS BUILT PLANS"

CONTRACTOR - RED SAMM CONSTRUCTION INC.
PROJECT ENGR. - J.R. EDWARDS AND SOC. KRAUENSTEIN
CONTRACT TIME - 4-17-81 to 10-31-81
ACTUAL TIME - 4-17-81 to _____

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES

APPROVED
GHB for W.K. Williams DATE 11/7/80
SOUTHEASTERN REGION DESIGN/CONST. ENGINEER

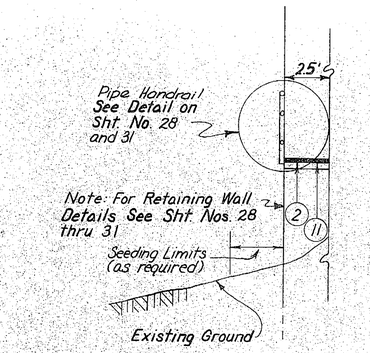
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES

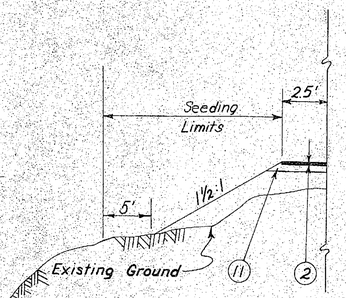
APPROVED
Date 1-29-81
DIRECTOR-HIGHWAY DESIGN & CONSTRUCTION

AS ADVERTISED

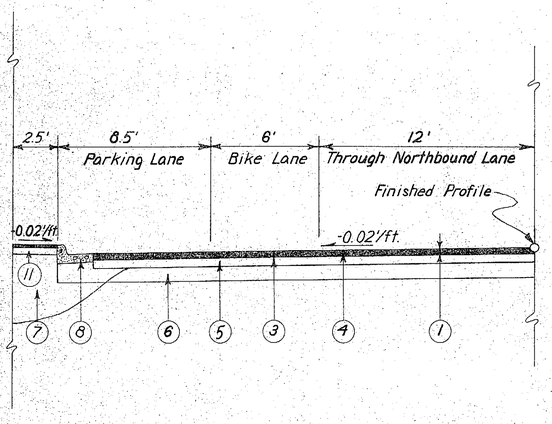
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	DPS-0958(3)	1980	2	64

TYPICAL SECTIONS OF IMPROVEMENT

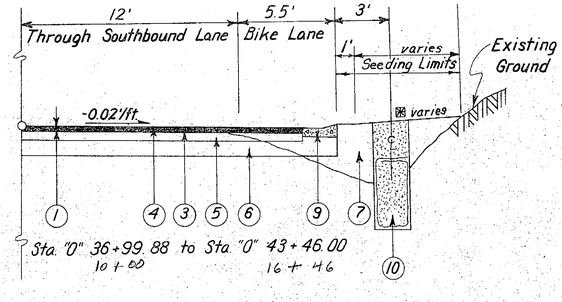




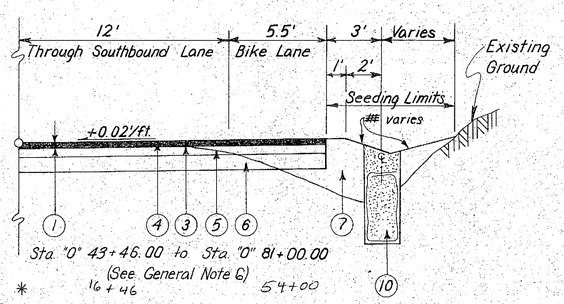
(See Section 203 for Benching Requirements)



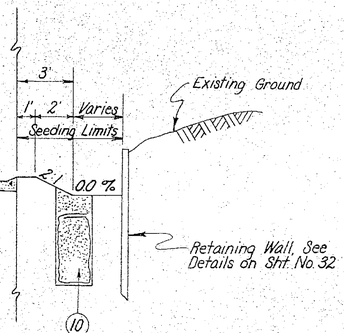
Sta. "0" 36+99.88 to Sta. "0" 81+00.00 *
(See Intersection and Transition Detail on Sht no.21)



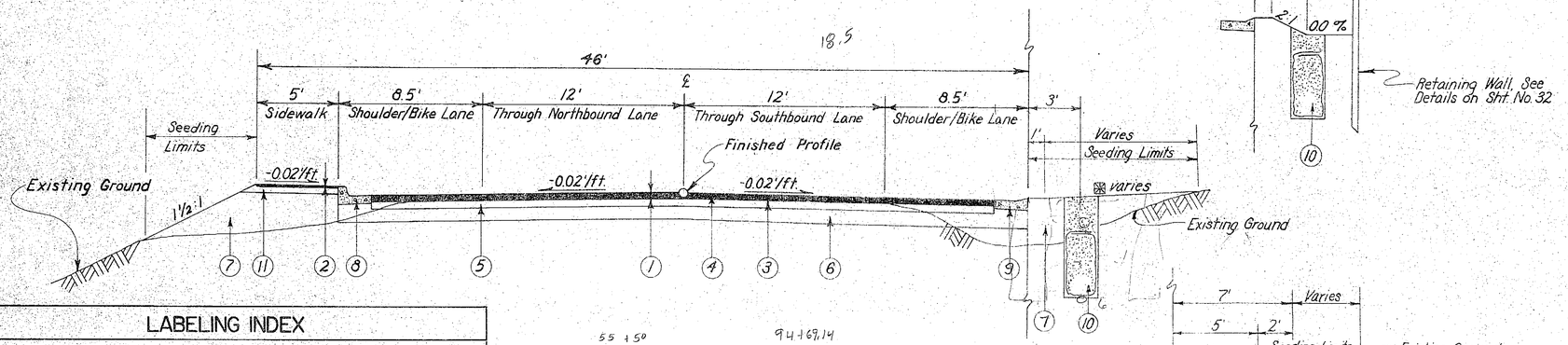
Sta. "0" 36+99.88 to Sta. "0" 43+46.00
10+00 16+46



Sta. "0" 43+46.00 to Sta. "0" 81+00.00
(See General Note 6)
16+46 54+00

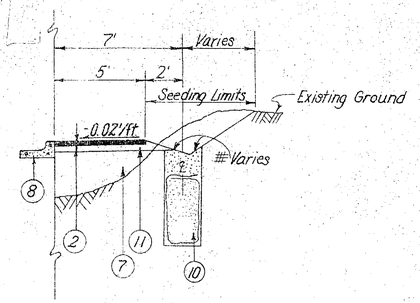


Sta. "0" 36+99.88 to Sta. "0" 81+00.00
(See exception above)



Sta. "0" 82+50.00 to Sta. "0" 121+39.27 *
(See Intersection and Transition Detail on Sht. no. 27)

See Pavement Overlay Detail on Sht 4
(Sta. "0" 85+00 to 96+24.14)



Sta. "0" 114+13 to
Sta. "0" 121+39.27

LABELING INDEX

1. 3½" Hot Asphalt Pavement (2 lifts)
2. 1½" Hot Asphalt Pavement
3. MC-30 Liquid Asphalt for Prime Coat
4. CSS-1 Emulsified Asphalt for Tack Coat
5. 6" Crushed Aggregate Base Course
6. 9½" Subbase, Grading A
7. Useable Unclassified Excavation
8. Standard Curb and Gutter } See Std. Dwg. I-20.01
9. Depressed Curb and Gutter }
10. Modified Underdrain (See Sht. No. 33)
11. 4" Subbase Grading A

* See General Notes
▩ See Slope Schedule, sheet 3
See Ditch Schedule, sheet 3

GENERAL NOTES

1. Vertical and horizontal alignments shown on these plans are subject to minor field revisions.

2. Pipe conduit lengths and locations are approximate only and are subject to field adjustments.

3. Clearing and grubbing limits shall be 10' beyond the slope limits in cut areas and 5' beyond the slope limits in fill areas, or to the R/W line, whichever is less.

4. All existing pavement removed will be paid for as Item 203(3), Unclassified Excavation. This material shall be utilized in the embankment as directed by the Engineer.

5. Approximately 3000 C.Y. of Useable Excavation will be required for culvert backfill and approximately 1500 C.Y. of Useable Excavation will be required for Utilities backfill.
All waste material shall be disposed of outside the R/W limits shown on the plans.

6. Superelevation transition lengths shall be 150; with the pavement revolved about centerline. See Case I, Standard Drawing I-80.00.
A 2% (0.02'/ft.) constant cross slope shall be maintained between Sta. "0" 41+~~92.57~~ 68.98 and Sta. "0" 78+~~11.60~~ 20.70.

7. Between Sta. "0" 81+00.00 and Sta. "0" 81+50.00, the section width on the left shall be smoothly transitioned from 31.5' wide to 25.5' wide.
Between Sta. "0" 81+00.00 and Sta. "0" 82+50.00, the section width on the right shall be smoothly transitioned from 18.5' wide to 21.5' wide.

8. Between Sta. "0" 85+00.00 and Sta. "0" 90+52.50, and between Sta "0" 93+56.50 and Sta. "0" 96+24.14, the existing roadway structure shall be paved with 1½" of hot asphalt pavement as per Pavement Overlay Detail on sheet 4.

9. Between Sta. "0" 111+50.00 and Sta. "0" 112+75.00, an additional 2' of sub-excavation will be required from centerline to the existing shoulder. This area shall be backfilled with Useable Unclassified Excavation.

10. Removal and relocation of mailboxes and removal of structures and obstructions shall be considered incidental to other items of work and no separate payment shall be made therefore.

11. Removal and disposal of existing concrete and asphalt approaches and driveways shall be considered incidental to other items of work and no separate payment shall be made therefore.

12. If the contractor elects to stockpile useable unclassified excavation for reuse elsewhere on the project no measurement of quantities will be made and all work involved shall be considered a subsidiary obligation of the contractor.

AS ADVERTISED

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	DPS-0958(3)	1980	3	64

ESTIMATE OF QUANTITIES

ITEM NO.	ITEM	UNIT	ROADWAY SUBTOTAL	UTILITIES SUBTOTAL	GRAND TOTAL
1	Furnishing & Maintaining Engineering Facilities	L.S.	All Required		All Required
109(1)	Petroleum Escalation	C.S.	All Required		All Required
110(1)	Mobilization	L.S.	All Required		All Required
111(1)	Temporary Erosion & Pollution Control	C.S.	All Required		All Required
112(1)	Training Program IAW FHWA Order Interim 7-2(2)	C.S.	All Required		All Required
113(1)	Flagging	Man Hr.	2000		~~2000~~ 4600
114(1)	Construction Engineering by the Contractor	L.S.	All Required		All Required
115(1)	Traffic Maintenance	L.S.	All Required		All Required
115(3)	Construction Signing	L.S.	* 228 Sq. Ft.		All Required
115(4)	Portable Concrete Barrier	L.S.	* 400 L.F.		All Required
401(1A)	Parking lot Paving — Suppl. Agreement #1	L.S.	All Req'd		All Req'd
201(3B)	Clearing & Grubbing	L.S.	* 5 Acres		All Required
202(4)	Removal & Disposal of Culvert Pipe	L.F.	2,746		~~2,746~~ 1401
203(3)	Unclassified Excavation	C.Y.	19,200		19,200
301(1)	Crushed Aggregate Base Course	Ton	11,200		~~11,200~~ 13483
304(1)	Subbase, Grading A	Ton	21,564		~~21,564~~ 23172
401(1)	Hot Asphalt Pavement, Class I	Ton	7136		~~7136~~ 7766.50
401(2)	AC-5 Asphalt Cement	Ton	428.2		~~428.2~~ 464.2
402(3)	CSS-1 Emulsified Asphalt for Tack Coat	L.S.	* 752 Tons		All Required
403(1)	MC-30 Liquid Asphalt for Prime Coat	Ton	38.2		~~38.2~~ Deleted
505(8)	Structural Steel Sheet Piles, Furnished & Driven	Sq. Ft.	4,362		~~4,362~~ 4391
505(11)	Structural Steel Piles, Furnished & Prebored	L.F.	2,985		~~2985~~ 2634
506(3)	Treated Timber	L.S.	* 92.0 M.B.M.		All Required
507(1)	Metal Bridge Railing	L.F.	305		305
603(22C)	12" Pipe Conduit	L.F.	304		~~304~~ 276
603(22E)	18" Pipe Conduit	L.F.	984		~~984~~ 1135
603(22G)	24" Pipe Conduit	L.F.	2,038		~~2,038~~ 2021.5
603(22I)	36" Pipe Conduit	L.F.	422		~~422~~ 417
604(2A)	Install Manhole	Ea.		2	2
604(3)	Reconstruct Existing Manholes	Ea.		5	5
604(4)	Adjust Existing Manholes	Ea.	1	7	8
604(5A)	Inlets, Type B	Ea.	34		~~34~~ 35
604(5B)	Inlets, Type Field	Ea.	17		17
605(6)	Modified Underdrain	L.F.	6,811		~~6811~~ 6662
606(3)	Removal & Reconstruction of Guardrail	L.F.	1,232		1,232
606(4)	Removal & Disposal of Guardrail	L.F.	120		120
607(3)	Chain Link Fence	L.F.	87		87
608(3)	Asphaltic Sidewalk	L.S.	* 420 Tons 401(1) * 25 Tons 401(2)		All Required
609(2A)	Curb & Gutter, Standard Type	L.F.	8,941		~~8,941~~ 8581.5
609(2B)	Curb & Gutter, Depressed Type	L.F.	3,491		~~3,491~~ 3459.5
610(1)	Hand-Laid Rock Embankment	C.Y.	200		~~200~~ 93.8
614(1)	Survey Monuments	Ea.	14		14
614(2)	Monument Cases	Ea.	14		14
615(1)	Standard Sign	Sq. Ft.	294.6		294.6
618(1)	Seeding	M.S.F.	55		55
618(2)	Water for Maintenance	M.G.	69.3		~~69.3~~ N/A
625(1)	Pipe Handrail	L.F.	2,108		~~2,108~~ 2021
626(1A)	4" P.V.C. Sewer Conduit	L.F.		160	~~160~~ 76
626(1B)	6" P.V.C. Sewer Conduit	L.F.		162	~~162~~ 46
626(1C)	8" P.V.C. Sewer Conduit	L.F.		58	~~58~~ 20
627(1)	Watering	M.G.	152		~~152~~ 115
628(2B)	8" Ductile Iron Water Conduit	L.F.		472	~~472~~ 474
628(2C)	10" Ductile Iron Water Conduit	L.F.		3,095	~~3,095~~ 3071
628(4)	Install Valve Box	Ea.		42	~~42~~ 40
628(7)	Relocate Fire Hydrant	Ea.		9	9
628(9A)	Install ¾" Water Service	Ea.		57	~~57~~ 59
628(9B)	Install 1" Water Service	Ea.		1	1
628(9C)	2" Water Service Connection	Ea.		4	~~4~~ 2
628(10B)	Install 8" Gate Valve	Ea.		8	8
628(10C)	Install 10" Gate Valve	Ea.		26	~~26~~ 24
628(10D)	Install 12" Gate Valve	Ea.		8	8
628(11)	Adjustment of Valve Box	Ea.		19	19
628(12)	Relocate Existing Water Meter	Ea.		7	~~7~~ 5
630(1)	Concrete & Timber Stairs	L.S.	* 4.7 M.B.M. Timber * 7.7 C.Y. Re. Conc.		All Required
635(1)	Insulation Board	M.B.M.		12.31	~~12.31~~ 11.01
660(9)	Removal & Relocation of Flashing Beacon System	L.S.	All Required		All Required
670(1)	Painted Traffic Markings E.W.O. # 5	L.S.	All Required	Deleted	All Required
670(6A)	Thermoplastic Pavement Markings	L.S.	All Required		All Required
506(3A)	E.W.O. # 4	L.S.	All Req'd		All Req'd
628(2B)	E.W.O. # 2	L.S.	* Estimated Quantity		All Req'd

CURB CUT SUMMARY

STATION	LT.	RT.	WIDTH	REMARKS
"0" 37+44	x		18'	See Detail Sheet 4
"0" 38+20	x		30'	
"0" 38+72	x		18'	
"0" 38+79		x	14'	
"0" 39+20		x	14'	
"0" 39+48	x		20'	
"0" 40+00		x	20'	
"0" 40+50		x	18'	
"0" 41+40		x	14'	
"0" 41+97		x	14'	
"0" 42+23		x	14'	
"0" 42+57	x		24'	*
"0" 42+97		x	16'	
"0" 43+08	x		20'	
"0" 43+82	x		32'	
"0" 44+60	x		18'	
"0" 45+90	x		~~24'~~ 34	
"0" 46+82	x		14'	
"0" 47+41	x		16'	
"0" 48+05	x		46'	
"0" 50+47	x		48'	
"0" 51+50	x		24'	
"0" 52+72	x		28'	
"0" 54+39	x		20'	
"0" 55+21	x		20'	
"0" 56+97	x		14'	
"0" 57+54	x		14'	
"0" 57+93	x		30'	
"0" 59+29	x		20'	
"0" 64+53	x		24'	
"0" 66+56	x		20'	
"0" 68+99	x		20'	
"0" 70+65	x		24'	
"0" 73+05	x		24'	
"0" 85+93	x		~~28'~~ 30	
"0" 86+95	x		20'	
"0" 88+00	x		~~38'~~ 39	
"0" 99+00	x		24'	
"0" 100+64		x	14'	
"0" 100+86	x		14'	
"0" 113+16	x		22'	
"0" 114+16	x		6'	
"0" 115+92	x		24'	See Detail Sheet 4
"0" 49+98	x		20'	See Detail Sheet 4
		*	For Future Garage construction	

12" PIPE CONDUIT SUMMARY

STATION		OFFSET	LENGTH	INV. ELEV.	INV. ELEV.
"0" 43+83	RT.	21'	21~~48~~	49.66	50.15
"0" 49+93	RT.	22.5'	23~~26~~	59.40	60.20
"0" 53+78	RT.	20.5'	32'	63.42	65.30
"0" 55+86	RT.*	20.5'	70~~64~~	68.47	68.82
"0" 57+50	RT.	20.5'	28'	69.01	68.93
"0" 68+59	RT.	20.5'	22.	67.25	66.97
"0" 69+30	RT.	20.5'	24~~60~~	66.20	66.15
"0" 75+40	RT.	20.5'	34~~24~~	~~68.22~~ 68.04	~~68.11~~ 67.72

* Installation of Culvert Thaw Wire will be considered incidental to bid Item 603(22D) 12" pipe conduit and no seperate payment will be made therefore.

BASIS OF ESTIMATE

ITEM	FACTOR
301(1)	1.96 Tons Per Cu. Yd.
304(1)	1.90 Tons Per Cu. Yd.
401(1)	114 Lbs. Per Sq. Yd. Per Inch Depth
401(2)	6% of Item 401(1)
402(3)	0.05 Gal. Per Sq. Yd. * 240 Gal. Per Ton
403(1)	0.25 Gal. Per Sq. Yd. = 253 Gal. Per Ton
	* Indicated Mixture

CULVERT PIPE REMOVAL

STATION	LENGTH	STATION	LENGTH
"0" 38+79, Rt	19'	"0" 63+59	53'
"0" 39+19, Rt	20'	"0" 65+47	54'
"0" 40+00, Rt	22'	"0" 66+88	0~~60~~
"0" 40+23	54'	"0" 68+59, Rt	20'
"0" 40+84	57'	"0" 69+24, Rt	68'
"0" 41+40, Rt	18'	"0" 69+75	18~~66~~
"0" 42+50	0~~63~~	"0" 73+97	59'
"0" 43+10, Rt	18 ~~44~~	"0" 75+79	52~~103~~
"0" 44+49	52'	"0" 77+36	63'
"0" 45+84	78'	"0" 78+92	30~~55~~
"0" 46+26, Rt	0~~27~~	"0" 80+32	12~~69~~
"0" 47+25	0~~56~~	"0" 83+62	0~~125~~
"0" 47+56, Rt	0~~34~~	"0" 88+02	0~~67~~
"0" 48+22, Rt	20'	"0" 99+00, Lt	0~~36~~
"0" 49+10, Rt	22'	37+35	14
"0" 49+20	53'	"0" 103+72	33~~49~~
"0" 49+93, Rt	0~~24~~	"0" 105+34	58'
"0" 50+81	0~~74~~	"0" 106+69	48~~55~~
"0" 52+22	0~~70~~	"0" 107+54	10~~55~~
"0" 53+22	0~~55~~	"0" 109+14	52'
"0" 53+78, Rt	26'	"0" 111+34	0~~54~~
"0" 55+87	58'	"0" 113+34	54'
"0" 56+02	26'	"0" 114+15	0~~72~~
"0" 57+50, Rt	38'	"0" 114+94	0~~75~~
"0" 58+24	0~~76~~	"0" 117+12	70~~77~~
"0" 59+92	50'	"0" 42+90	24~~66~~

MAILBOX SUMMARY

STATION	LT.	RT.	no. of boxes	* REMARKS
"0" 37+56	33		1	Install
"0" 39+09		23	1	
"0" 39+30	38		2	
"0" 40+60		23	1	
"0" 42+75	33		1	
"0" 43+81	38		1	
"0" 44+74	38		1	
"0" 45+70	36		1	
"0" 46+05		23	2	
"0" 47+76	36		1	
"0" 47+90		23	2	
"0" 49+60		23	2	
"0" 51+56	38		1	
"0" 52+61	38		1	
"0" 53+90		23	1	
"0" 54+27	36		1	
"0" 55+82		23	2	
"0" 56+08	36		1	
"0" 57+15		23	2	
"0" 57+66	38		2	
"0" 69+14		23	1	
"0" 69+14	38		1	Install

* Mailbox Notes:

1. Existing mailboxes are as shown on the Plan & Profile Sheets.
2. Permanent mailbox locations shall be as shown in the table or as directed by the Engineer.
3. Existing newspaper receptacles shall be relocated as directed by the Engineer.
4. See Standard Drawings M 20.02 and M 23.01 for installation details.

MONUMENTS & CASES

STATION	LOCATION	POINT
"0" 99+00.16	41' Lt.	P.I.
"0" 36+39.88	℄	P.I. (A.P.)
"0" 38+52.67	℄	P.I. (A.P.)
"0" 43+96.05	℄	P.C.
"0" 47+78.07	℄	P.T.
"0" 56+00.00	℄	P.O.T.
"0" 63+25.00	℄	P.O.T.
"0" 77+81.17	℄	P.C.
"0" 82+42.88	℄	P.T.
"0" 83+36.52	℄	P.C.
"0" 88+57.82	℄	P.T.
"0" 95+40.32	46' Rt.	P.I.
"0" 101+50.00	℄	P.O.T.
"0" 119+43.01	1.27' Rt.	P.I.

ESTIMATE OF QUANTITIES & SUMMARY TABLES

DITCH SCHEDULE, RT.

FROM STATION	FROM OFFSET	FROM ELEV.	TO STATION	TO OFFSET	TO ELEV.	FORE SLOPE	BACK SLOPE
"0" 40+89	23'	50.7	"0" 41+30	22'	51.4	2:1	Flat
"0" 42+32	20.5'	50.1	"0" 42+50	24'	49.8	2:1	Match
"0" 42+70	24'	49.7	"0" 42+86	20.5'	49.8	2:1	Flat
"0" 43+08	20.5'	49.8	"0" 43+52	22'	49.58	2:1	Flat
"0" 43+60	22'	49.5	"0" 44+50	21.5'	50.8	2:1	Flat
"0" 49+38	21.5'	58.8	"0" 50+53	21.5'	59.9	1½:1	Flat
"0" 51+65	22'	61.0	"0" 52+05	22'	61.0	2:1	Flat
"0" 53+16	20.5'	64.0	"0" 56+84	20.5	69.6	2:1	1½:1
"0" 57+00	20.5'	69.6	"0" 58+00	20.5'	68.5	2:1	1:1
"0" 58+30	20.5'	68.5	"0" 59+75	20.5'	69.5	2:1	1:1
"0" 60+15	20.5'	69.5	"0" 60+83	20.5'	70.4	2:1	1½:1
"0" 63+62	25'	67.9	"0" 64+15	35.0'	73.0	2:1	Flat
"0" 65+55	21.0'	69.2	"0" 66+10	21.5'	70.2	2:1	1½:1
"0" 67+62	25'	67.9	"0" 69+70	23'	65.7	1½:1	1:1
"0" 69+80	23'	63.2	"0" 71+70	20.5'	63.0	2:1	1:1
"0" 72+54	27'	63.0	"0" 73+92	23.5'	61.4	2:1	1:1
"0" 74+02	23.5'	~~67.7~~ 62.9	"0" 75+76	21'	59.9	2:1	1½:1
"0" 75+87	22'	60.0	"0" 76+60	28'	60.8	2:1	1½:1
"0" 77+10	27'	59.3	"0" 77+30	26'	59.0	2:1	Match
"0" 77+46	26'	59.0	"0" 78+88	23.5'	58.0	3:1	Match
"0" 78+96	23.5'	57.5	"0" 79+50	23'	57.6	3:1	Match
"0" 79+50	23'	57.6	"0" 80+30	23.5'	56.8	3:1	Match
"0" 80+38	24'	57.0	"0" 82+75	24'	60.5	3:1	Match
"0" 84+50			"0" 96+50	Grade Existing Ditch			
"0" 96+50	Match Existing		"0" 100+40	23'	99.0	2:1	Match
"0" 100+70	23'	100.8	"0" 101+90	29'	99.5	2:1	1½:1
"0" 102+10	27.5'	99.5	"0" 102+50	23'	101.7	1½:1	Match
"0" 103+00	23'	100.4	"0" 103+60	23'	99.8	2:1	1½:1
"0" 103+80	23'	98.5	"0" 105+28	23'	97.7	2:1	1:1
"0" 105+40	23'	97.5	"0" 106+65	23'	96.0	2:1	1½:1
"0" 106+75	23.5'	95.7	"0" 107+50	23'	96.6	2:1	1½:1
"0" 106+75	23.5'	95.7	"0" 107+50	23'	~~96.6~~	2:1	1½:1
"0" 107+58	23'	96.8	"0" 109+10	23'	98.7	2:1	1½:1
"0" 109+18	23'	98.6	"0" 111+28	24.3'	100.5	2:1	1½:1
"0" 111+40	23.5'	101.1	"0" 113+28	23.5'	103.8	2:1	1½:1
"0" 113+40	23.5'	104.0	"0" 114+00	29'	105.0	2:1	1½:1
"0" 114+00	29'	105.0	"0" 114+50	54'	106.3	2:1	1½:1
"0" 115+24	30'	105.3	"0" 116+00	30'	106.8	2:1	1½:1

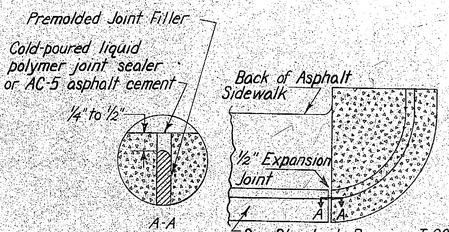
NOTES:

1. Offset distance and elevations are approximate and may vary.
2. Ditch slopes shall be smoothly transitioned to match existing cross culvert drainage.
3. Slopes may vary to catch inside the R/W limits.
4. Standard slopes will vary at all cross culvert locations.

SLOPE SCHEDULE, RT.

STATION	SLOPE	STATION	SLOPE
"0" 37+30	8:1	"0" 58+50	5:1
"0" 40+20	8:1	"0" 60+00	5:1
"0" 41+60 *	Flat	"0" 60+80	Flat
"0" 44+50	Flat	"0" 61+20	Flat
"0" 45+00	5:1	"0" 61+30	1½:1
"0" 49+00	5:1	"0" 62+20	1½:1
"0" 50+56 *	5:1	"0" 62+30	Flat
"0" 52+80 *	Flat	"0" 94+50 *	Flat
"0" 58+20 *	Flat	* See Ditch Schedule for Slopes	

KnE 19 1253 0-80 MC 1227

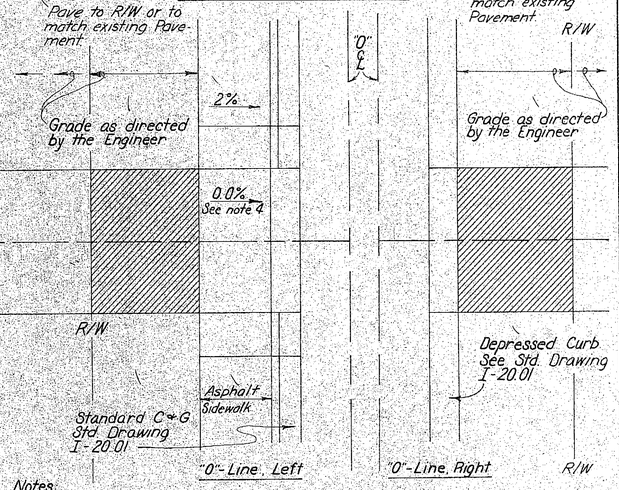


NOTES

1. Premolded expansion joint filler and liquid polymer joint sealer (see specifications) or AC-5 asphalt cement shall be considered incidental to 609(2A), Curb and Gutter, Standard Type, and no separate payment will be made therefore.
2. Curb & Gutter expansion joints shall be at the end of the curb return, and immediately following and preceeding curb cuts. Thereafter they shall be placed at intervals of 30' except where shorter sections are needed for closure.
3. ▨ Indicates Curb, Gutter and sidewalk transition area. The entire area shall be constructed with the same type of concrete used in the standard type curb and gutter. The face of curb shall transition smoothly from the normal gutter pan elevation to full height in the length indicated on the intersection details. Payment for this work shall be considered incidental to 609(2A), Curb and Gutter, Standard Type, and no separate payment will be made therefore.

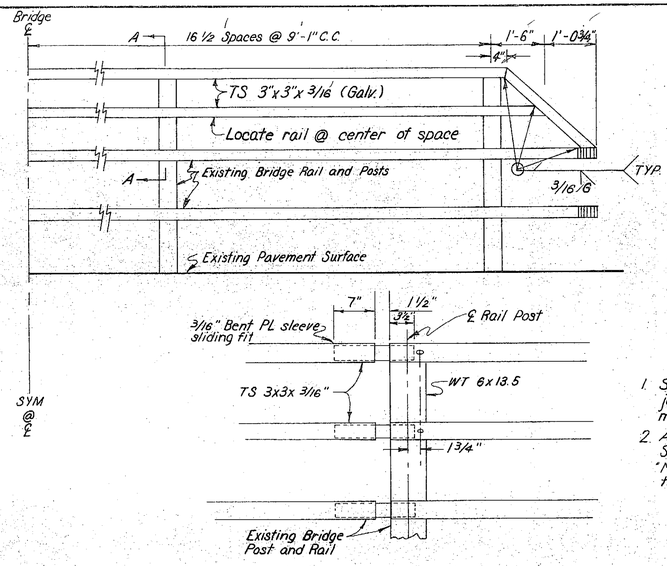
CURB EXPANSION JOINT & TRANSITION DETAILS

CURB CUT DETAIL

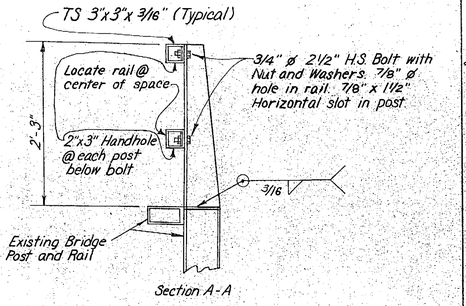


Notes:

1. Shaded area shall be constructed with the same Pavement Structure used for the sidewalk shown on the Typical Section.
2. Width of Curb Cut shown in Summary, Sheet 3.
3. All work involved in forming, shaping and construction shall be considered incidental to the bid items involved. Materials required will be paid for at contract bid prices.
4. Sidewalk grade as shown in detail above shall be used in lieu of Standard Drawing I-20.01.



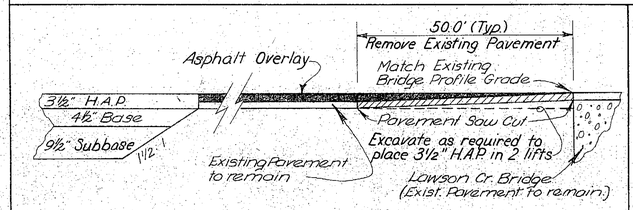
Expansion Joint Detail



1. Sleeve Expansion joints shall be provided at all existing Expansion joints, field measure spacing. Increase gap in Expansion joint to match deck joint opening.
2. All work and materials shall conform to Section 507 of Standard Specification and payment shall be made under item 507 (1) "Metal Bridge Rail" and no separate payment will be made therefore.

BRIDGE RAIL MODIFICATION

LAWSON CREEK BRIDGE
(Right Side Only)

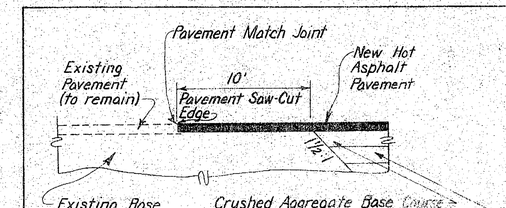


NOTES

1. Existing pavement to remain in-place between the edges of the gutters. All other pavement that conflicts with construction of Typical Section shall be removed. Pavement saw cuts shall be made along the gutter lines for pavement removal.
2. Overlay thickness shall be 1½" (ave. depth) unless otherwise directed by the Engineer. The new pavement shall match flush with the edge of the gutters.
3. All work involved shall be considered incidental to the bid items involved. Materials required will be paid for at contract bid prices.

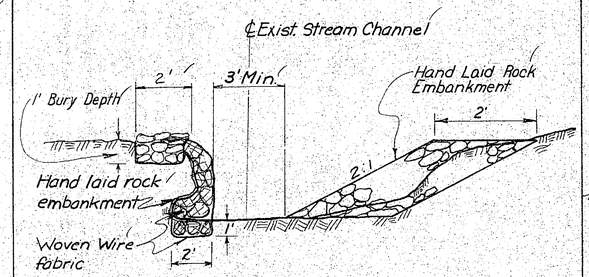
PAVEMENT OVERLAY DETAIL

LAWSON CREEK BRIDGE APPROACHES
STA. "0" 85+00.00 P.O.C. to STA. "0" 90+52.50 P.O.T.
STA. "0" 93+56.50 P.O.T. to STA. "0" 96+24.14 P.T.



PAVEMENT MATCH JOINT DETAIL

(B.O.P., E.O.P. and side streets)



CHANNEL LINING DETAIL

NOTES

1. In areas where erosion & undercutting are presently occurring, the channel shall be lined as shown above left; In other areas, the channel shall be lined as shown above right.
2. The existing channels shall be lined and cleaned to provide a smooth flowline for an approximate distance of:
   - Sta. "0" 42+35 Lt., 60' in Length *
   - Sta. "0" 50+70 Lt., 170' in Length *
   - Sta. "0" 52+35 Lt., 110' in Length *
   - Sta. "0" 63+62 Lt., 75' in Length *
3. Woven wire fabric shall be in accordance with 710-2.02 of the specifications. This item shall be considered incidental to Item 610(1) Hand Laid Rock Embankment and no separate payment will be made therefore.
4. Existing trees shall remain undamaged.
5. No heavy equipment will be allowed in channel lining areas.

* Or as directed by the engineer

AS ADVERTISED

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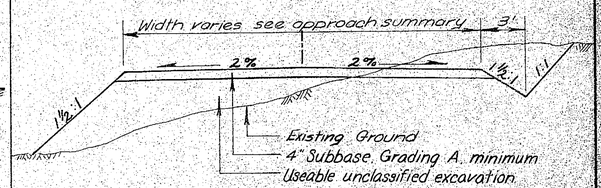
MISCELLANEOUS DETAILS & SUMMARY TABLES

DRIVEWAY SUMMARY, RT. (NO CURB)

STATION	WIDTH	REMARKS
"0" 43 +82 -	35' -	Reconstruct, 5' Radius
"0" 45 +62 -	24' -	
"0" 46 +24 -	14' -	
"0" 47 +57 -	16' -	
"0" 48 +22 -	14' -	
"0" 49 +14 -	16' -	
"0" 49 +93 -	16' -	
"0" 50 +65 -	14' -	
"0" 52 +96 -	14' -	
"0" 53 +79 -	20' -	
"0" 55 +68 -	20' -	
"0" 56 +02 -	24' -	
"0" 56 +92 -	14' -	
"0" 57 +50 -	20' -	
"0" 60 +91 -	14' -	
"0" 68 +59 -	14' -	
"0" 69 +50 -	14' -	
"0" 75 +40 -	14' -	
"0" 76 +84 -	18' -	Reconstruct, 5' Radius

1. The area from the edge of pavement to the R/W line shall be constructed with the same pavement structure used for the sidewalk as shown on the Typical Section Sheet.
2. All work involved in forming, shaping and construction shall be considered incidental to the bid items involved. Materials required will be paid for at contract bid prices.



APPROACH ROAD DETAIL

APPROACH SUMMARY

STATION	LT.	RT.	WIDTH	REMARKS	
"0" 51 +34.50		x	24'	Nome Street, See Sheet	22
"0" 64 +27.75		x	24'	John Street, " "	22
"0" 66 +66.00		x	24'	David Street, " "	23
"0" 72 +06.00		x	28'	Roger Street, " "	23
"0" 76 +20.00	x		22'	Beach Appr. " "	24
"0" 79 +97.50	x		10'	Beach Appr. " "	24
"0" 97 +72.50	x		24'	Lawson Crk. " "	25
"0" 102+32.00		x	24'	Subdiv. Access " "	25
"0" 104+45.00	x		24'	First Street " "	26
"0" 114+60.00		x	20'	Geneva Woods " "	26
"0" 120+24	x		27'	Transition " "	27
"0" 120+25		x	54'	Gastineau School " "	27

1. Approaches will be constructed with the same Typical Section as used for the roadway to the paving limits. Beyond the paving limits the above Approach Road Detail shall be utilized.
2. All work involved in forming, shaping and construction shall be considered incidental to the bid items involved. Materials required will be paid for at contract bid prices.

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TRAFFIC CONTROL PLAN

SCHEDULE A NOTES

(1) Place drums, signs, barriers and cones as per Schedule A schematic diagram. Remove existing pavement marking and channel two-way traffic on the remaining pavement and shoulder.

(2) ~~Complete construction of the water line along the right edge of the existing pavement.~~ Complete construction of the drainage and underdrain system and the remaining utility items.

SCHEDULE B NOTES

(1) Place drums, signs, barriers and cones as per Schedule B schematic diagram. Widen with useable excavation to the bottom of the subbase plane. Use subbase as necessary to construct width required. This material shall be incorporated into the typical section. Remove existing pavement markings in detour area. Traffic shall be one-way on the section being worked upon.

(2) Complete construction of the typical section to the top of subbase on the right side, including 4' of the left side typical.

SCHEDULE C NOTES

(1) Place drums, signs, barriers and cones as per Schedule C schematic diagram. Widen with useable excavation to the bottom of the subbase plane. Use subbase as necessary to construct width required. This material shall be incorporated into the typical section. Remove existing pavement markings in detour area. Traffic shall be one-way on the section being worked upon.

(2) Construct the retaining wall, including the anchors, where required. Complete construction of the typical section on the left to the top of subbase.

SCHEDULE COMBINATION NOTES

(1) Place drums, barriers and cones as shown in the schedule involved. Place signs as shown in the schedule combination schematic diagram. Any order of the schedules may be used; adjust signs accordingly. Minimum spacing between work areas shall be 700 feet.

(2) Construct as per schedule indication.

GENERAL NOTES

(1) Work area shall not exceed 700 feet in length at any given time in order to maintain access and parking for residents.

(2) Spacing of cones and drums shall be as directed by the engineer.

(3) Contractor shall provide a temporary, portable lighting system for illumination of the detour areas during non-daylight hours.

(4) Signs for detour areas shall be of a portable nature and shall be moved as required to maintain their proper spacing.

(5) Flagmen shall be provided during those times that two-way traffic cannot be maintained.

(6) Temporary widening and work area construction may require the use of portable concrete barriers as directed by the Engineer.

(7) No more excavation will be performed than what can be backfilled by the end of the shift so as to leave the roadway in a safe condition during non-working hours.

(8) The Contractor may secure the use of detours along the project and shall coordinate his work with the City and Borough of Juneau before detouring any traffic over any side street.

(9) The Contractor shall be responsible for keeping the public advised through the local news media of his construction activities and scheduling.

(10) The TCP shall be used in conjunction with and in addition to the Standard Drawings, the Standard and Special Provisions, the Alaska Traffic Manual, and current industry standards for safe and efficient operation.

(11) Signs shown in the schematics shall be in place only when the conditions they warn about exist.

(12) The Contractor shall designate one of his employees whose sole responsibility shall be the installation and maintenance of all required traffic control devices. All traffic control elements shall be maintained 24 hours a day.

(13) The Contractor shall use the following Traffic Control Plan (TCP) during the construction of this project. The Contractor may submit a TCP of his own, however any changes to this TCP will require written approval of the Engineer prior to beginning any construction. See Section 115 of the Special Provisions for more details.

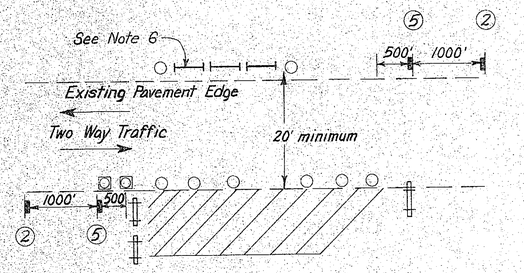
(14) The construction sign summary shown herein is to be used for cost estimating only. Other signs may be required by the Engineer or used at the Contractor's option.

(15) After the existing pavement is removed the contractor shall keep the roadway in a safe traversable condition free of rutting or washboarding as directed by the engineer.

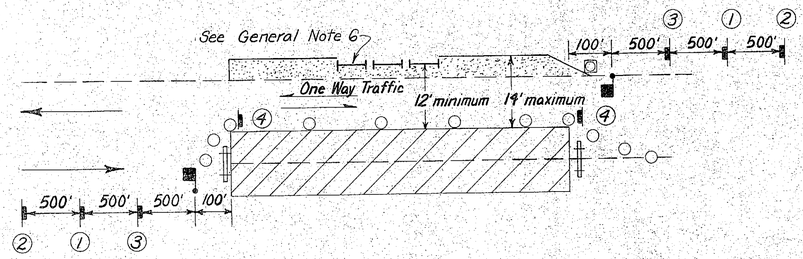
WORK AREA SIGN TABLE

No.	Quant	Type	Legend	Size	Total
1	4	CW20-4	One Lane Road	48x48	32
2	6	CW20-1	Road Construction 1500 ft.	48x48	96
3	4	CW20-7A	Flagman Symbol	48x48	64
		CW20-7A	500 Feet	24x18	12
4	4	CW13-1	10 MPH	24x24	16
5	2	CW13-1	25 MPH	24x24	8

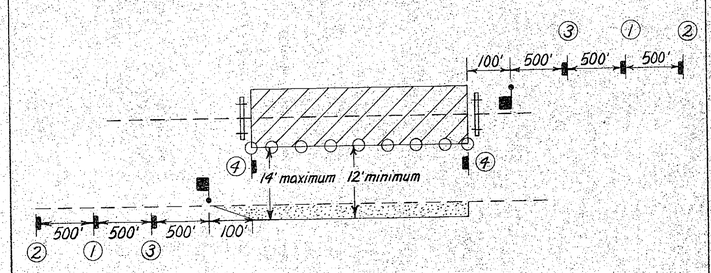
SCHEDULE A



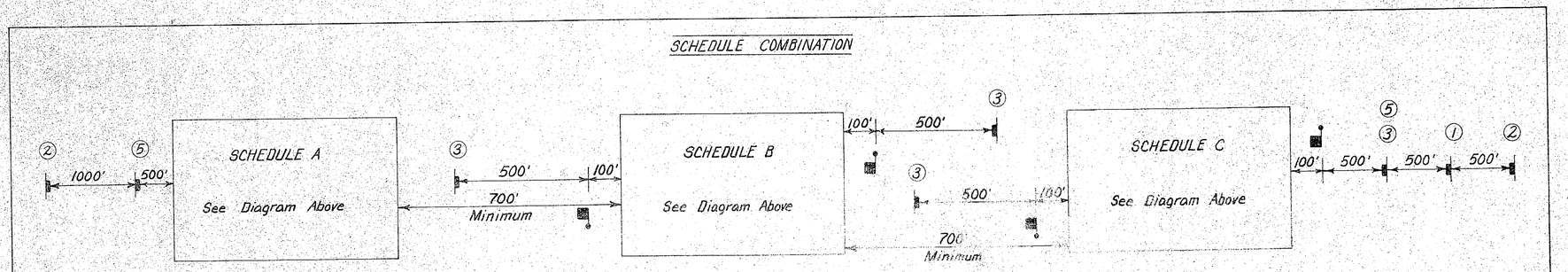
SCHEDULE B



SCHEDULE C



SCHEDULE COMBINATION



SYMBOLS

- 55-gallon drum painted orange with white stripes as per Alaska Traffic Manual
- Orange Safety Cone
- Type III Barricade
- Work Area
- Temporary widening with suitable material as required. Width of widening varies from 2 to 10 feet.
- Flagman
- Portable Concrete Barrier "Jersey Type"
- (2) Temporary Sign and Identification Code

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HORIZONTAL CONTROL
Horizontal Control is based on a reference bearing of S 12°08'25" W. between Alaska Highway Department Monuments "BAR" (N 2 363 998. 907 E 2 538 876. 690) and "GRASS" (N 2 361 986. 725 E 2 538 443 832), and a mean scale factor of 0.999933.

NOTE: SEE SHEETS 44 THRU 60 FOR ALL UTILITIES

"0" 37+30.19 Lt. 19.50 Lt. Begin Sidewalk-Match Existing

"0" 37+30.19 Lt. Begin Sidewalk Transition

Sta. "0" 37+52 Lt. Reconstruct Stairway as required. Approx. 14 cu. yds. concrete, 100 lbs. steel

Sta. "0" 37+56 Lt. Relocate Mailbox

Permit Line

Sta. "0" 38+00 Lt. Reconstruct Stairway as required. Approx. 0.2 cu. yds. concrete, 30 lbs. steel

Install type I J-Box Flush with sidewalk grade and at back of curb at "0" 37+27, "0" 38+54 and "0" 39+60.

"0" 38+52.67 Lt. End Sidewalk Transition

Sta. "0" 38+62 Lt. Relocate Mailbox

Sta. "0" 38+82, Lt. 38462, Lt. Remove and dispose portion of Brick Planter as directed

Relocate existing conduit to back of curb or back of retaining wall

Sta. "0" 39+13 Lt. Reconstruct Stairway as required. Approx. 0.2 cu. yds. concrete, 30 lbs. steel

Permit Line

Sta. "0" 39+53 Lt. Reconstruct Stairway as required. Approx. 65 B.F.

Sta. "0" 39+62. Begin Retaining Wall & Pipe Handrail (See Sht. 28) Sta. "0" 39+67 Lt. Relocate Mailbox

Relocate existing school flasher beacon to Sta. "0" 40+60. See detail and sign no. 8 on sheet no. 6

Relocate existing stub pole with electrical service to "0" 40+55 41+75

Existing R/W

Existing 2" Conduit for School Flasher Beacons

Permit Line

Sta. "0" 42+49 Lt. Relocate Mailbox

Match Line "0" 42+49.88

S 33°22'58" E ~152.79

S 34° 07' 58" E 543.38

Pavement Match Joint (See detail on sheet no. 4)

Note: For Sidewalk and Curb & Gutter transition and "0" Line - Cordova St intersection. (See detail on sheet no. 21)

CORDOVA STREET

Existing R/W

Sta. "0" 37+23.52. 37.69 Lt. Begin Depressed Curb Begin underdrain Sta. "0" 37+20.00 Ahead (See Sht. 33)

"0" 38+52.67 P.I. Δ = 0° 45' Lt.

Sta. "0" 38+73 Rt. Remove and Dispose 19 L.F. of Pipe Conduit

Sta. "0" 39+06 Rt. connect existing yard drain to modified underdrain

Sta. "0" 39+09 Rt. Relocate Mailbox

Sta. "0" 39+13 Rt. Remove and Dispose 20 L.F. of Pipe Conduit

existing 18" CMP

Sta. "0" 40+00 Rt. Remove and Dispose 22 L.F. of Pipe Conduit

Sta. "0" 40+23. Remove and Dispose 54 L.F. of Pipe Conduit

Sta. "0" 40+64 Rt. Relocate Mailbox

Sta. "0" 40+84 Remove and Dispose 57 L.F. of Pipe Conduit

Sta. "0" 41+07 Rt. connect existing yard drain to modified underdrain

Permit Line

Sta. "0" 41+40 Rt. Remove and Dispose 18 L.F. of Pipe Conduit

Permit Line

Permit Line

Match Line "0" 42+00

BEGIN PROJECT
DPS-0958(3)
"AsBlt" 10+26.89 P.O.T.=
"L" 10+00.00 P.O.T.=
"0" 36+99.88 P.I.

Embankment	=	250 C.Y.
Unclassified Exc.	=	1350 C.Y. (includes 170 C.Y. waste)
Borrow	=	0

Due to a material imbalance approximately 4300 C.Y. of useable unclassified excavation will need to be disposed of outside the R/W limits.

Earthwork Equation:
Embankment = Excavation - Waste

VERTICAL CONTROL
Vertical Control originated from U.S.C. & G.S. Bench Mark 21 (1972), a standard disk stamped "NO 21 1972," set flush in the circular base for a flagpole in front of the Alaska National Guard Armory, with an elevation of 25.93 feet above MLLW.

Elev. 57.94

200' V.C. Elev 58.13

V.P.I. "0" 37+99.88

Finished Profile

-1.6057%

No. V.C. Elev 52.51

-1.688%

Existing Ground

V.P.I. "0" 41+49.88

60 55 50 45 40 35

"0" 37+00 "0" 38+00 "0" 40+00 "0" 42+00

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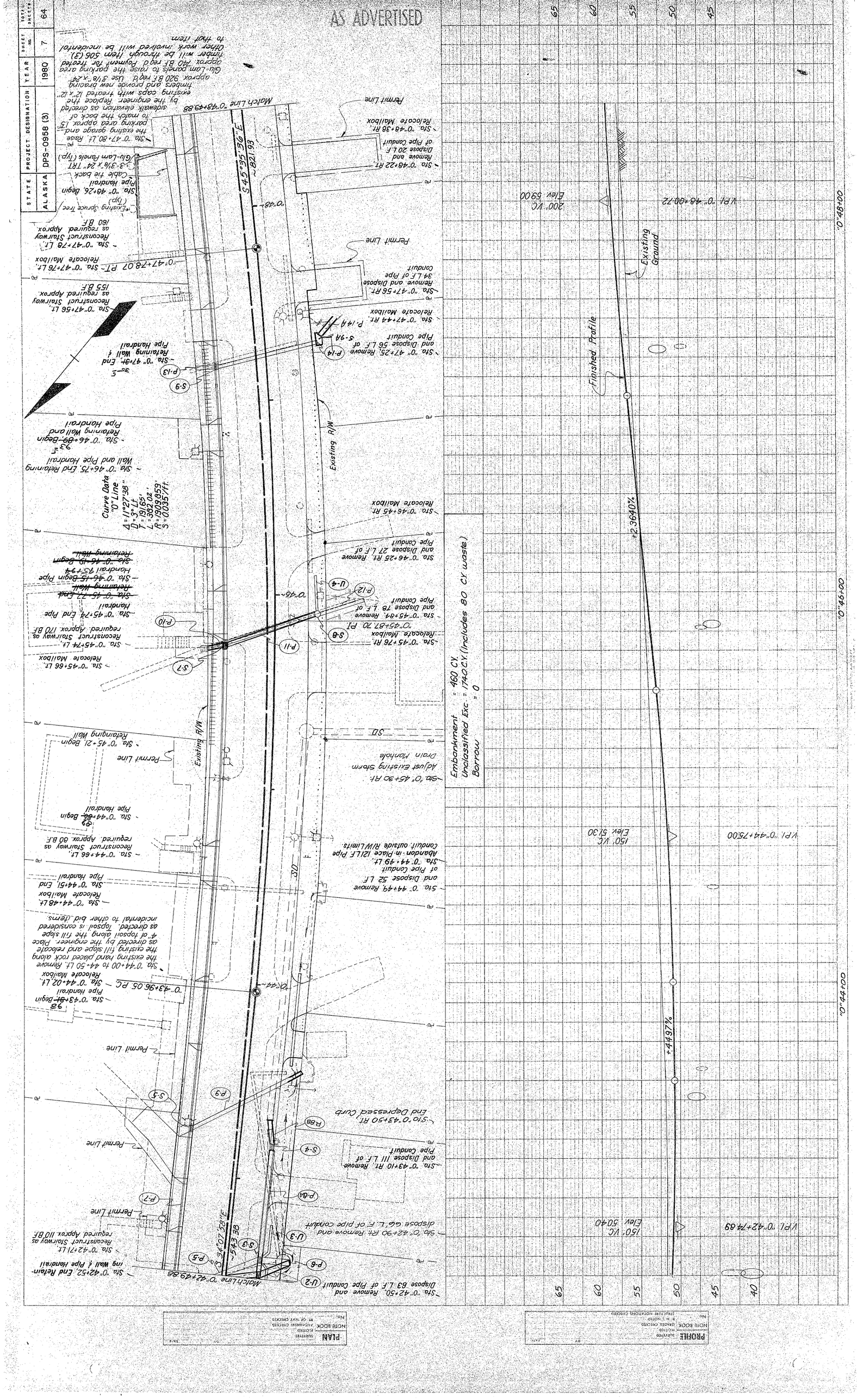

Sta. "0" 42+30 Rt. Adjust Existing Storm Drain Manhole
Sta. "0" 42+50. Remove and Dispose 63 L.F of Pipe Conduit (U-2)
Sta. "0" 42+90 Rt. Remove and dispose 66 L.F. of pipe conduit (U-3)
Sta. "0" 43+10 Rt. Remove and Dispose 111 L.F of Pipe Conduit (U-4)
Sta. "0" 43+50 Rt. End Depressed Curb
Sta. "0" 43+96.05 PC
Sta. "0" 44+02 Lt. Relocate Mailbox
Sta. "0" 44+00 to 44+50 Lt. Remove the existing hand placed rock along the existing fill slope and relocate as directed by the engineer. Place 4" of topsoil along the fill slope as directed. Topsoil is considered incidental to other bid items.
Sta. "0" 44+48 Lt. Relocate Mailbox
Sta. "0" 44+51 End Pipe Handrail
Sta. "0" 44+66 Lt. Reconstruct Stairway as required. Approx. 60 B.F.
Sta. "0" 44+92 Begin Pipe Handrail
Sta. "0" 44+92. Begin Pipe Handrail
Sta. "0" 44+92 Begin Pipe Handrail
Sta. "0" 45+21. Begin Retaining Wall
Sta. "0" 45+66 Lt. Relocate Mailbox
Sta. "0" 45+74 Lt. Reconstruct Stairway as required. Approx. 170 B.F.
Sta. "0" 45+74 End Pipe Handrail
Sta. "0" 45+72 End Retaining Wall
Sta. "0" 46+15 Begin Pipe Handrail 45+94
Sta. "0" 46+19 Begin Retaining Wall
Sta. "0" 46+25 Rt. Remove and Dispose 27 L.F of Pipe Conduit
Sta. "0" 45+76 Rt. Relocate Mailbox "0" 45+87.70 Pl
Sta. "0" 45+87.70 Rt. Relocate Mailbox
Sta. "0" 45+94. Remove and Dispose 78 L.F of Pipe Conduit
Sta. "0" 46+45 Rt. Relocate Mailbox
Sta. "0" 46+75. End Retaining Wall and Pipe Handrail
Sta. "0" 46+89 Begin Retaining Wall and Pipe Handrail
Sta. "0" 47+25. Remove and Dispose 56 L.F. of Pipe Conduit
Sta. "0" 47+44 Rt. Relocate Mailbox
Sta. "0" 47+56 Rt. Remove and Dispose 34 L.F of Pipe Conduit
Sta. "0" 47+56 Lt. Reconstruct Stairway as required. Approx. 155 B.F.
Sta. "0" 47+78 Lt. Reconstruct Stairway as required Approx. 160 B.F.
"0" 47+78.07 PT
Sta. "0" 47+76 Lt. Relocate Mailbox
Sta. "0" 48+26. Begin Pipe Handrail
Existing Spruce Tree (Typ)
Sta. 0" 47+80 Lt. Raise the existing garage and parking area approx. 15" to match the back of sidewalk elevation as directed by the engineer. Replace the existing coops with treated 12"x12" timbers and provide new grading approx. 920 B.F. reqd. Use 3"x24" Glu-Lam panels to raise the parking area approx. 740 B.F. reqd. Payment for treated timber will be through Item 306 (3). Other work involved will be incidental to that item.
Sta. "0" 48+22 Rt. Remove and Dispose 20 L.F of Pipe Conduit
Sta. "0" 48+38 Rt. Relocate Mailbox
Permit Line
Match Line "0" 48+49.88
S 45° 35' 36" E
~ 821.93
Existing R/W
Existing R/W
Existing R/W
Permit Line
Permit Line
Permit Line

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	DPS-0958 (3)	1980	8	64

AS ADVERTISED

Sta. "0" 49+65 Lt. End Pipe Handrail

Sta. "0" 48+68 Lt. Reconstruct Stairway as required. Approx 740 B.F.

Sta. "0" 48+75 Lt. Begin Retaining Wall & Pipe Handrail

Permit Line

Sta. "0" 49+45 Lt. Reconstruct Stairway as required. Approx. 4.7 cubic yds. concrete, 1200 B.F. 440 lbs. steel. Provide 6' opening in Pipe Handrail

Sta. "0" 49+85 End Retaining Wall and Pipe Handrail

Permit Line

Sta. "0" 50+20 End Pipe Handrail

Sta. "0" 50+72 Begin Retaining Wall & Pipe Handrail

Sta. "0" 50+72 Lt. Reconstruct Stairway as required. Approx. 185 B.F.

Sta. "0" 51+28 End Retaining Wall

Sta. "0" 51+32 End Pipe Handrail

Sta. "0" 51+66 Begin Pipe Handrail

Sta. "0" 51+66 Begin Retaining Wall

Sta. "0" 51+75 Lt. Relocate Mailbox

Permit Line

Sta. "0" 52+61 Lt. Relocate Mailbox

Sta. "0" 52+61 End Retaining Wall & Pipe Handrail

Sta. "0" 52+90 Begin Pipe Handrail

Permit Line

Sta. "0" 53+98 End Pipe Handrail

Sta. "0" 53+92 Lt. Relocate Mailbox

Buried Oil Tank

P-15 P-16 P-17 P-18 P-19 P-20 P-21 P-22

S-10 S-12 S-13

U-5 U-6 U-7 U-8

Match Line "0" 48+49.88

Match Line "0" 53+99.88

Existing R/W

Existing R/W

"A" 10+00.00 P.O.T. = "0" 51+34.50 P.O.T.

S 45°35'36" E ~821.93

"0" 50+00

"0" 52+00

NOME ST.

Sta. "0" 49+10 Rt. Remove and Dispose 22 L.F. of Pipe Conduit

Sta. "0" 49+20 Remove and Dispose 53 L.F. of Pipe Conduit

Sta. "0" 49+27 Rt. Relocate Mailbox

Sta. "0" 49+93 Rt. Remove and Dispose 24 L.F. of Pipe Conduit

Sta. "0" 50+06 Rt. Relocate Mailbox

Sta. "0" 50+52 Remove and Dispose portion of Rock Wall

Sta. "0" 50+81 Remove and Dispose 74 L.F. of Pipe Conduit

Sta. "0" 50+94 Reconstruct exist. Fire Box Platform as directed by the Engineer, approx. 100 B.F.

Sta. "0" 52+22 Remove and Dispose 70 L.F. of Pipe Conduit

Sta. "0" 53+22 Remove and Dispose 55 L.F. of Pipe Conduit

Sta. "0" 53+78 Rt. Remove and Dispose 26 L.F. of Pipe Conduit

Sta. "0" 53+90 Rt. Relocate Mailbox

Note: See Intersection Detail on Sht. No. 22

Embankment	=	430 C.Y.
Unclassified Exc.	=	1390 C.Y. (Includes 50 C.Y. waste)
Borrow	=	0

PLAN — SHEETED / UNSHEETED
NOTE SCOPE, CREEP, CHECKED, R/W, EASEMENT, E.C. PAY QUANTITIES
No.

PROFILE — SHEETED / UNSHEETED
NOTE SCOPE, CREEP, CHECKED, R/W, EASEMENT, E.C. PAY QUANTITIES
No. STRUCTURE EXCEPTIONS, CHECKED

65 60 55 50

70 65 60 55

"0" 50+00 "0" 52+00 "0" 54+00

+0.700% +1.643%

Finished Profile

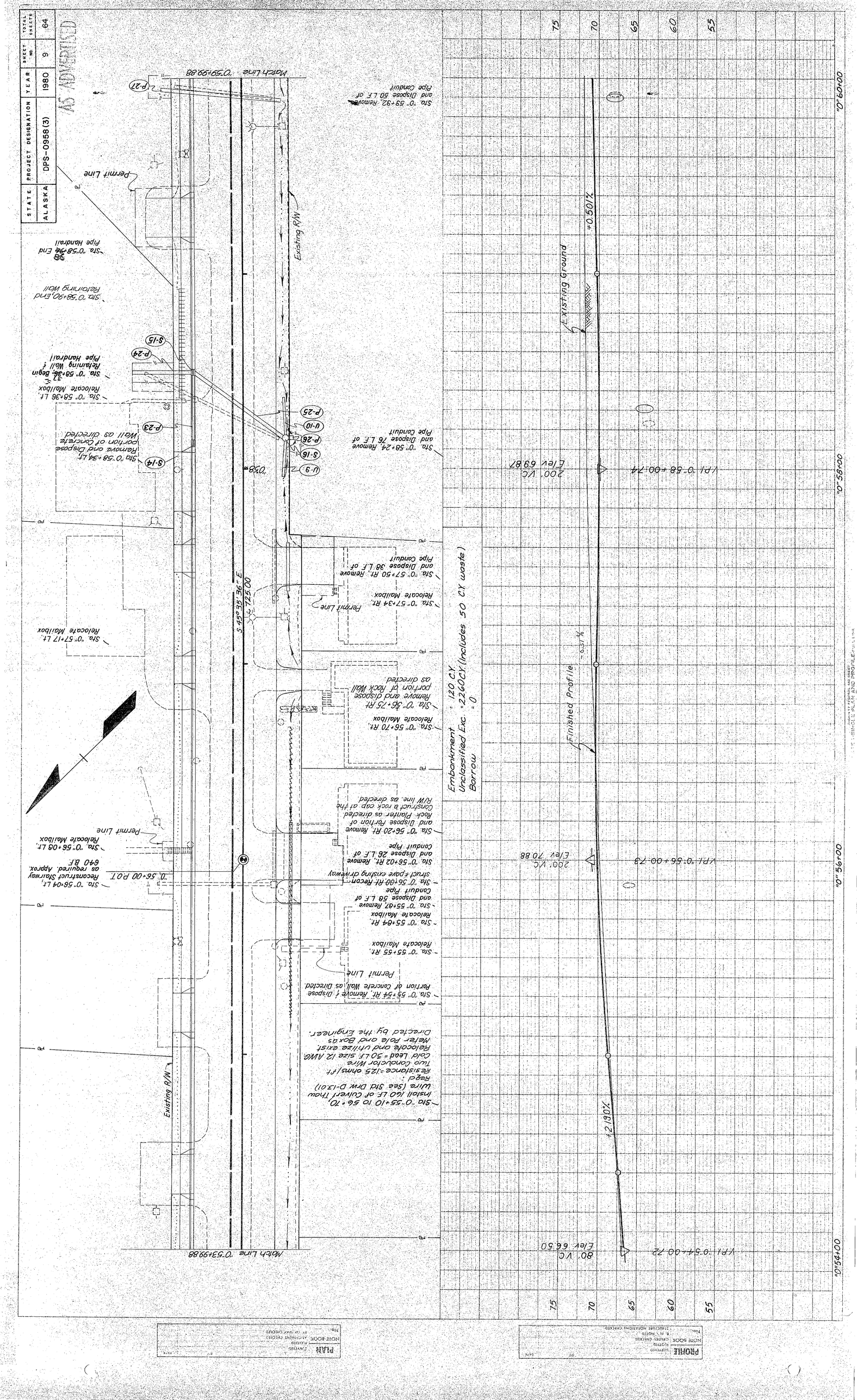
Existing Ground

V.P.I. "0" 50+60.73

110' V.C. Elev. 60.75

V.P.I. "0" 54+00.72

80' V.C. Elev. 66.50


STATE
ALASKA
PROJECT DESIGNATION
DPS-0958(3)
YEAR
1980
SHEET NO.
9
TOTAL SHEETS
64
AS ADVERTISED
Sta. "0" 55+10 to 56+10, Install 160 LF of Culvert Thaw wire (See Std Drw D-1301) Req'd: Resistance=125 ohms/ft Two Conductor Wire Cold Lead=30 LF size 12 AWG Relocate and Utilize exist Meter Pole and Box #3 Directed by the Engineer.
Sta. "0" 55+54 Rt. Remove & Dispose Portion of Concrete Wall as Directed.
Permit Line
Sta. "0" 55+55 Rt. Relocate Mailbox
Sta. "0" 55+84 Rt. Relocate Mailbox
Sta. "0" 55+87 Remove and Dispose 58 L.F. of Conduit Pipe
Sta. "0" 56+05 Rt. Recon-struct +pave existing driveway
Sta. "0" 56+04 Lt. Reconstruct Stairway as required. Approx. 640 Sf.
"0" 56+00 P.O.T.
Sta. "0" 56+08 Lt. Relocate Mailbox
Permit Line
Sta. "0" 56+20 Rt. Remove and Dispose Portion of Rock Planter as directed Construct a rock cap at the R/W line, as directed.
Sta. "0" 56+02 Rt. Remove and Dispose 26 L.F. of Conduit Pipe
Sta. "0" 56+70 Rt. Relocate Mailbox
Sta. "0" 56+75 Rt. Remove and dispose portion of Rock Wall as directed.
Sta. "0" 57+17 Lt. Relocate Mailbox
Sta. "0" 57+24 Rt. Relocate Mailbox
Permit Line
Sta. "0" 57+50 Rt. Remove and Dispose 36 L.F. of Pipe Conduit
Sta. "0" 58+24 Remove and Dispose 76 L.F. of Pipe Conduit
Sta. "0" 58+34 Lt. Remove and Dispose portion of Concrete Wall as directed
Sta. "0" 58+36 Lt. Relocate Mailbox
Sta. "0" 58+36 Begin Retaining Wall & Pipe Handrail
Sta. "0" 58+96 End Pipe Handrail
Sta. "0" 58+90 End Retaining Wall
Sta. "0" 59+32 Remove and Dispose 50 L.F. of Pipe Conduit
Match Line "0" 59+99.88
Match Line "0" 53+99.88
Existing R/W
Permit Line
Existing R/W
S 49° 35' 36" E
~2725.00
Embankment = 120 C.Y.
Unclassified Exc. = 2260 C.Y. (Includes 50 C.Y. waste)
Borrow = 0
Existing Ground
Finished Profile
+0.50%
-0.57%
+2.90%
VPI "0" 64+00.72
80' VC
Elev 66.50
VPI "0" 56+00.73
200' VC
Elev 70.88
VPI "0" 58+00.74
200' VC
Elev 69.87
"0" 45+00
"0" 56+00
"0" 58+00
"0" 60+00
75
70
65
60
55
PROFILE
SURVEYED
NOTE BOOK
CHKD. CHKD.
E. & T. NOTES
No.
DRAWN
NOTE BOOK
No.
PLAN
SURVEYED
NOTE BOOK
CHKD. CHKD.
No.
DRAWN
NOTE BOOK
No.

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	DPS-0958(3)	1980	10	64

AS ADVERTISED

PLAN SURVEYED / PLOTTED / NOTE BOOK / PAGES / No. / STRUCTURE LOCATIONS CHECKED / BY / DATE / CHECKED

PROFILE SURVEYED / PLOTTED / NOTE BOOK / PAGES / No. / STRUCTURE LOCATIONS CHECKED / BY / DATE / CHECKED

Sta. "0" 60+01, Begin Pipe Handrail

Permit Line

Sta. "0" 60+35 Lt., Begin Retaining Wall

Sta. "0" 60+33 Lt., End Pipe Handrail

Sta. "0" 60+98 Lt., Reconstruct Stairway as required Approx. 475 S.F.

Sta. "0" 60+96 Lt., Begin Pipe Handrail

Sta. "0" 61+55 Existing Pipe Conduit to remain in place

Sta. "0" 62+03 Lt., End Retaining Wall

Permit Line

"0" 63+25.00 P.O.T.

Permit Line

Sta. "0" 63+83 End Pipe Handrail

Permit Line

Match Line "0" 59+99.88

Match Line "0" 64+99.88

"B" 10+00.00 P.O.T.

"0" 64+27.75 P.O.T.

S45° 35' 36" E

~725.00

"0" 62+

"0" 64+

P-28

S-17

P-29

U-11

Existing R/W

Existing R/W

JOHN ST.

Sta. "0" 63+59, Remove and Dispose 53 L.F. of Pipe Conduit

Note: See Intersection Detail on Sht. No. 22

Embankment = 620 C.Y.
Unclassified Exc. = 1080 C.Y. (Includes 30 C.Y. waste)
Borrow = 0

200' V.C.
Elev. 72.50

V.P.I. "0" 63+25.74

Finished Profile

Existing Ground

+0.50%

-0.54%

80
75
70
65
60
55
50

"0" 60+00

"0" 62+00

"0" 64+00

HIGHWAY PROFILE SHEET
INDEX PLAN AND PROFILE FULL LINE

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	DPS-0958 (3)	1980	11	64

AS ADVERTISED

PLAN — SURVEYED / PLOTTED / NOTE BOOK / CHECKED / No. / BY / DATE

PROFILE — SURVEYED / PLOTTED / NOTE BOOK / CHECKED / No. / BY / DATE / STRUCTURE QUANTITIES CHECKED

Permit Line

Match Line

"0" 64+99.88

"C" 10+00.00 P.O.T. =
"0" 66+66.00 P.O.T.

S 44° 24' 24" W
~15.50'

S 45° 35' 36" E
~1456.17

S 22° 50' 35" E

DAVID ST.

Existing R/W

Permit Line

Existing R/W

Match Line

"0" 70+99.80

P-30 P-31 S-18 U-12 P-32 S-19 P-33 U-13

Sta. "0" 65+47, Remove and Dispose 54 L.F. of Pipe Conduit

Sta. "0" 66+88, Remove and Dispose 60 L.F. of Pipe Conduit

Sta. "0" 68+53 Rt., Remove and Dispose 20 L.F. of Pipe Conduit

Sta. "0" 68+91 Rt., Relocate Mailbox

Sta. "0" 69+16 Rt., Reconstruct Stairway as required. Approx. 175 B.F.

Sta. "0" 69+24 Rt., Remove and Dispose 68 L.F. of Pipe Conduit

Sta. "0" 69+32 Lt., Relocate Mailbox

Sta. "0" 69+36, Begin Pipe Handrail

Sta. "0" 69+54, Begin Retaining Wall

Sta. "0" 69+98, End Retaining Wall

Sta. "0" 70+28, End Pipe Handrail

Sta. "0" 69+75, Remove and Dispose 66 L.F. of Pipe Conduit

Note:
See Intersection Detail on Shf. No. 23

Embankment = 300 C.Y.
Unclassified Exc. = 2000 C.Y. (Includes 90 C.Y. waste)
Borrow = 0

75
70
65
60
55

100' V.C.
Elev. 71.00

V.P.I. "0" 66+00.74

-0.546%

-1.200%

Finished Profile

Existing Ground

"0" 66+00

"0" 68+00

"0" 70+00

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	DPS-0958(3)	1980	12	64

AS ADVERTISED

PLAN — STAKING: STAKED / PLOTTED; NOTE BOOK, GRADES CHECKED; No. ; BY OF WAY CHECKED; DATE

PROFILE — STAKING: STAKED / PLOTTED; NOTE BOOK, GRADES CHECKED; No. ; H. & V. SCALES; CONSTRUCTION NOTATIONS CORRECT

Match Line "0" 70+99.88

Match Line "0" 77+39.88

Sta. "0" 73+36 Begin Pipe Handrail

Permit Line

Permit Line

Sta. "0" 75+26 Begin Retaining Wall

Note: See Approach Detail Sht No. 24

Sta. "0" 75+69 End Retaining Wall

End Pipe Handrail 75+67

Sta. "0" 76+41, Begin Retaining Wall & Pipe Handrail

Permit Line

Existing R/W

"D" 10+00.00 P.O.T. = "0" 72+06.00 P.O.T.

S 45°35'36" E ~1456.17'

"E" 10+00.00 P.O.T. "0" 76+20 P.O.T.

"0" 72+

"0" 74+

"0" 76+

ROGER ST.

Existing R/W

Note: See intersection detail on sheet No. 23

Sta. "0" 73+37, Remove and Dispose 59 L.F. of Pipe Conduit

Sta. "0" 75+79, Remove and Dispose 103 L.F. of Pipe Conduit

Sta. "0" 77+36, Remove and Dispose 63 L.F. of Pipe Conduit

P-36 S-21 P-35 S-20 U-14 P-34 S-22 U-15 S-23 P-39 P-38 P-37 S-24 P-40 P-41 U-16 S-25 P-42 S-26 P-43 P-44 S-27 P-45

Embankment = 720 C.Y.
Unclassified Exc. = 2610 C.Y. (Includes 220 C.Y. waste)
Borrow = 0

No V.C.
Elev. 63.80

V.P.I. "0" 72+00.73

-1.200%

Existing Ground

-0.705%

Finished Profile

70 65 60 55

~~44+00~~ "0" 72+00 ~~46+00~~ "0" 74+00 ~~48+00~~ "0" 76+00 ~~50+00~~ ~~50+40~~

PLAN AND PROFILE FULL LINE

FINGER LAKES

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	DPS-0958(3)	1980	13	64

AS ADVERTISED

"O" Line
Δ = 8°04'48"
D = 1°45' L.t.
T = 231.24'
L = 461.71'
R = 3274.045'
S = 0.023'/ft.

Sta. "O" 80+13, End Retaining Wall 1, Pipe Handrail

Sta. "O" 80+54, Begin Retaining Wall 1, Combination Rail, see Sheet 31, Begin Guardrail reconstruction. See Std. Dwg. 6-4.06 For End Terminal

Sta. "O" 81+00 to "O" 81+50, Field Bend Combination Rail to Match Retaining Wall Alignment

Permit Line

End Wall @ "O" 81+91.5

Begin Wall @ "O" 82+29

Sta. "O" 82+42.88 P.T.

Note: See Approach Detail Sht. No. 24

Match Line "O" 77+39.88

"O" 77+81.17 P.C.

S 45° 35' 36" E
~ 1456.17

Existing R/W

S-28 P-48 S-29 P-48 S-30

"F" 10+00.00 P.O.T.

"O" 79+97.50 P.O.C.

"O" 80+12.41 P.I.

U-17 S-28 P-47 U-18

Sta. "O" 78+92, Remove and Dispose 55 L.F. of Conduit Pipe

S-31 P-51

Sta. "O" 80+32, Remove and Dispose 68 L.F. of Conduit Pipe

Sta. "O" 81+00, Begin Typical Section Transition

S 53° 40' 24" E
~ 93.64'

Existing R/W

S-32 P-52

Sta. "O" 82+50, End Modified Undershain

Sta. "O" 82+65, Rt. Begin Depressed Curb

Sta. "O" 83+32 Abandon-in-place 105 L.F. of Pipe Conduit

"O" 83+36.52 P.C.

Match Line "O" 85+49.88

Embankment = 2140 C.Y.
Unclassified Exc. = 1380 C.Y. (Includes 30 C.Y. waste)
Borrow = 0

Existing Ground

+0.705%

+0.582%

+1.636%

Finished Profile

-150' V.C.
-Elev. 58.69

-100' V.C.
-Elev. 59.71

-100' V.C.
-Elev. 63.80

V.P.I. "O" 79+25.88

V.P.I. "O" 81+01.09

V.P.I. "O" 83+51.20

2.57

2.98

70 65 60 55 50

"O" 78+00 "O" 80+00 "O" 82+00

PLAN — LAYOUT — PLOTTED — NOTE BOOK — TRACE CHECKED — E.M.'S NOTES — No. — STRUCTURE QUANTITIES CHECKED

PROFILE — LAYOUT — PLOTTED — NOTE BOOK — TRACE CHECKED — E.M.'S NOTES — No. — STRUCTURE QUANTITIES CHECKED

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	DPS-0958 (3)	1980	14	64

AS ADVERTISED

PLAN — SURVEYED / PLOTTED / NOTE BOOK / CHKD / BY / DATE / SURVEY CHIEF / DRAWN / CHKD / BY / DATE / REVISION NOTATIONS CHECKED / No. / BY / DATE

PROFILE — SURVEYED / PLOTTED / NOTE BOOK / CHKD / BY / DATE / SURVEY CHIEF / DRAWN / CHKD / BY / DATE / REVISION NOTATIONS CHECKED / No. / BY / DATE

P-53

231 90.5
Sta. "0" 84+16.5 End Retaining Wall and Combination Railing. Continue Guardrail. Reconstruction along roadway. (See Note, Utility Sht. 5+)

Sta. "0" 84+50 to Sta. "0" 86+50 (typical). Cut and Remove Existing Pavement to Construct Curb and Sidewalk.

Sta. "0" 85+80 End reconstruction of Guardrail. See Std. Dwg. 6"4.06 for End Terminal. (Typical unless otherwise indicated.)

"0" 85+97.72 PI

Sta. "0" 86+05. Begin Guardrail reconstruction.

Sta. "0" 86+84. End Guardrail reconstruction

Sta. "0" 87+06. Begin Guardrail reconstruction

Sta. "0" 87+84. End Guardrail reconstruction

Sta. "0" 88+16. Begin Guardrail reconstruction

P-55

S-35

Existing R/W

Match Line "0" 83+99.88

clean out

"0" 83+84

"0" 86

"0" 88

S 44° 33' 02" E
~ 598.68

Match Line "0" 88+99.88

P-54

S-33

S-34

"0" Line
Δ = 9°07'22"
D = 1°45' Rt.
T = 261.20'
L = 521.30'
R = 3274.045'
S = 0.023'/ft.

Sta. "0" 83+62. Remove and Dispose 125 L.F. of Pipe Conduit

Sta. "0" 85+00.00 POC Begin Overlay, see Detail Sht. 4

Sta. "0" 84+50 to Lawson Creek Bridge, Grade Existing Ditch to drain as indicated.

Sta. "0" 88+02. Remove and Dispose 67 L.F. of Pipe Conduit

Sta. "0" 88+54. 35.5' Rt. Begin Guardrail Installation & Reconstruction. See Standard Drawing 6-15.00. Buried Anchor Terminal.

"0" 88+57.82 PT

Embankment = 70 C.Y.
Unclassified Exc. = 400 C.Y. (Includes 20 C.Y. waste)
Borrow = 0

75 70 65 60 55 50 45 40

100' V.C. Elev 62.80
-3.716%
V.P.I. "0" 83+51.20
64.05
64.19
64.59
65.15
50' V.C. Elev 68.40
Finished Profile
+2.687%
100' V.C. Elev 70.72
V.P.I. "0" 84+25.00
V.P.I. "0" 85+50.00
V.P.C. "0" 85+25
Elev. 71.09
250' V.C. Elev 72.94
74.55
V.P.I. "0" 86+50.00
87.00
V.P.I. "0" 87+00
+1.150%
+1.867%
190' V.C. Elev 74.62
V.P.I. "0" 88+00.00
V.P.I. "0" 88+25
Elev. 74.68
+0.187%
-0.000%

"0" 84+00 "0" 85+00 "0" 88+00

PAVEMENT OVERLAY See Detail Sht. 4

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	DPS-0958 (3)	1980	15	64

AS ADVERTISED

PLAN — INVERTED / PLOTTED
NOTE BOOK — AS-BUILT SKETCHES / PLOTTED
No. — BY CAD WAY CHECKED

PROFILE — INVERTED / PLOTTED
NOTE BOOK — GRADES CHECKED / AS-BUILT SKETCHES
No. — BY CAD WAY CHECKED

Remove Existing Sidewalk Taper. Match Existing Sidewalk on Bridge (typical each end)

Sta. "0" 90+48 Lt. End Guardrail reconstruction

Existing R/W

Sta. "0" 93+61 Lt. Begin Guardrail Reconstruction Match & Connect with Existing. See Standard Drawing 6-24.00.

P-55

S-35

Match Line "0" 88+99.88

"0" 90+52.50

S44° 33' 02"E
~598.68'

"0" 93+56.50

S-36

"0" 93+99.88

Match Line

S-37

P-57

P-56

Lawson Creek

"0" 92+00

Existing R/W

Sta. "0" 90+48 Rt. End Guardrail Reconstruction. Match & Connect with Existing. See Standard Drawing 6-24.00.

Install Rail Modification along top of existing bridge rail. See Detail Sht. 4.

Sta. "0" 93+61 Rt. Begin Guardrail Reconstruction. Match & Connect with Existing. See Standard Drawing 6-24.00.

Embankment = 2 C.Y.
Unclassified Exc. = 20 C.Y. (Includes 5 C.Y. waste)
Borrow = 0

Sta. "0" 90+52.50 — Match Bridge Deck Elev. 75.50

Sta. "0" 93+56.50 — Match Bridge Deck Elev. 78.37

Finished Profile

+0.867%
+0.000%
+0.944%

VPI "0" 89+64.58
+25.00
100
1.56 L/C
Elev. 74.97
14.96

VPC "0" 89+56.86
Elev. 74.82

PAVEMENT OVERLAY See Sht. 4

Limits of Grading and Paving Exception

90
85
80
75
70

"0" 90+00
"0" 92+00
"0" 94+00

SEE MASTER FEDERAL WORKSHEET
PLATE 1 SINGLE PLAN AND PROFILE-FULL LINK

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	DPS-0958(3)	1980	16	64

AS ADVERTISED

PLAN
SCALE: 1" = 50'
NOTE BOOK: HIGHWAY DESIGN
No. 96 STATE PROJECTS

PROFILE
SCALE: HORIZ. 1" = 50'
VERT. 1" = 10'
NOTE BOOK: HIGHWAY DESIGN
No. STRUCTURE AND UTILITIES (MISC.)

Sta. "0" 94+36.29.7' Lt. End Guardrail Recon-struction. See Std. Dwg G-14.06 for End Terminal.

Existing R/W

"0" 94+56.50 P.C.

Sta. "0" 94+36 to Sta. "0" 96+60 Remove existing Guardrail.

"0" Line
Δ = 1° 15' 26"
D = 0° 45' Lt.
T = 83.82'
L = 167.63'
R = 7639.437'
S = Normal Crown

"0" 96+24.13 P.T.

Note:
See Approach Detail on Sht. No. 25

LAWSON CR. ACCESS

"L" 70+94.78 P.I.

P-59

S-39

Match Line "0" 93+99.88

S 44° 33' 02" E
~598.68

"0" 95+40.32 P.I. =
"L" 68+39.80 P.I.

"0" 96+

S 45° 48' 28" E
~179.22'

"G" 10+00.00 P.O.T.
"0" 97+71.89 P.O.T.

"0" 98+

Match Line "0" 98+99.88

P-58

S-38

U-19

Existing R/W

Sta. "0" 96+24.14 P.T. - Overlay see Detail Sheet 4

Sta. "0" 96+60, Rt. Begin Underdrain

Lawson Creek Bridge to Sta. "0" 99+50, Grade Existing Ditch to drain as indicated

"0" 98+03.35 P.C.

Sta. "0" 98+25, Rt. Begin Retaining Wall, see Detail Sheet 32

"0" Line
Δ = 0° 58' 05"
D = 0° 30' Rt.
T = 96.81'
L = 193.61'
R = 11,459.156'
S = Normal Crown

Sta. "0" 94+11.22.5' Rt. End Guardrail Recon-struction. See Std. Dwg G-14.06 for End Terminal

Embankment = 50 C.Y.
Unclassified Exc. = 910 C.Y. (Includes 200 C.Y. waste)
Borrow = 0

100' V.C.
Elev. 78.84

+3.209%

50' V.C.
Elev. 81.84

Finished Profile

+4.353%

No V.C.
Elev. 88.40

+4.175%

200' V.C.
Elev. 96.75

Existing Ground

V.P.I. "0" 94+06.50

V.P.I. "0" 95+00.00

V.P.I. "0" 96+50.71

V.P.I. "0" 98+50.72

Excavate
~~PAVEMENT OVERLAY~~ See Detail Sht. 4

85
80
75
70
100
95
90
85
80
75

"0" 94+00

"0" 96+00

"0" 98+00

AS ADVERTISED

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	DPS-0958(3)	1980	17	64

PLAN SURVEYED / PLOTTED / NOTE BOOK / CHECKED / No. / REVISIONS DATES

PROFILE SURVEYED / PLOTTED / NOTE BOOK / CHECKED / C. & M. DATES / No. / REVISIONS DATES

Note: See Intersection Detail on Sht. No. 26

Sta. "0" 100+44.95, 35.76' Lt. Install 87" Chain Link Fence

Sta. "0" 100+46 Lt. Remove and dispose 35' of Concrete Wall.

Sta. "0" 100+82 Install 12' Gate (Double swing)

Sta. "0" 100+91 Lt. Remove dispose 26' of Concrete Wall

Sta. "0" 101+19.63, 36.38' Lt. End Chain Link Fence

Sta. "0" 102+10 Lt. Place Hand-Laid Rock Embankment along fill slopes 16:1 slope approx. quantity = 20 C.Y.

Sta. "0" 103+72 Lt. Approx. 21' of the existing pipe (P-2) to remain in place

Sta. "0" 99+00 Lt. Remove & Dispose 30' L.F. of Pipe Conduit

"0"
Δ = 0°58'05"
D = 0°30' Rt
T = 96.81'
L = 193.61'
R = 11459.156'
S = Normal Crown

Sta. "0" 100+20.00 Rt. End Retaining Wall. See Detail Sheet 32

Sta. "0" 102+07 Install 12 L.F. of 18" Pipe Conduit with 30° bend. Existing pipe conduit to remain in place.

Sta. "0" 103+72 Remove & Dispose 43 L.F. of Pipe Conduit

Note: See Intersection Detail on Sht. No. 25

Match Line "0" 98+99.85

"0" 99+00.16 P.I.C.

"0" 99+96.96 P.T.

"0" 100

"0" 101+50.00 P.O.T.

"0" 102

"0" 104

Match Line "0" 104+99.88

Existing R/W

S 44°50'23" E ~153.04

S 44°50'23" E ~1689.87

92.0

"0" 102+82.00 P.O.T. = "H" 10+00.00 P.O.T.

"I" 10+00.00 P.O.T. = "0" 104+45.00 P.O.T.

FIRST ST.

SUBDIVISION ACCESS

P-80 P-63 S-41 U-20 P-62 S-40

Embankment = 310 C.Y.
Unclassified Exc. = 1180 C.Y. (Includes 230 C.Y. waste)
Borrow = 0

250' V.C.
Elev. 103.20

V.P.I. "0" 101+50.67

+2.150%

-1.166%

Finished Profile

Existing ground

105 100 95 90

"0" 100+00 "0" 102+00 "0" 104+00

HIGHWAY FEDERAL AID SHEET
SINGLE PLAN AND PROFILE-FULL LINE

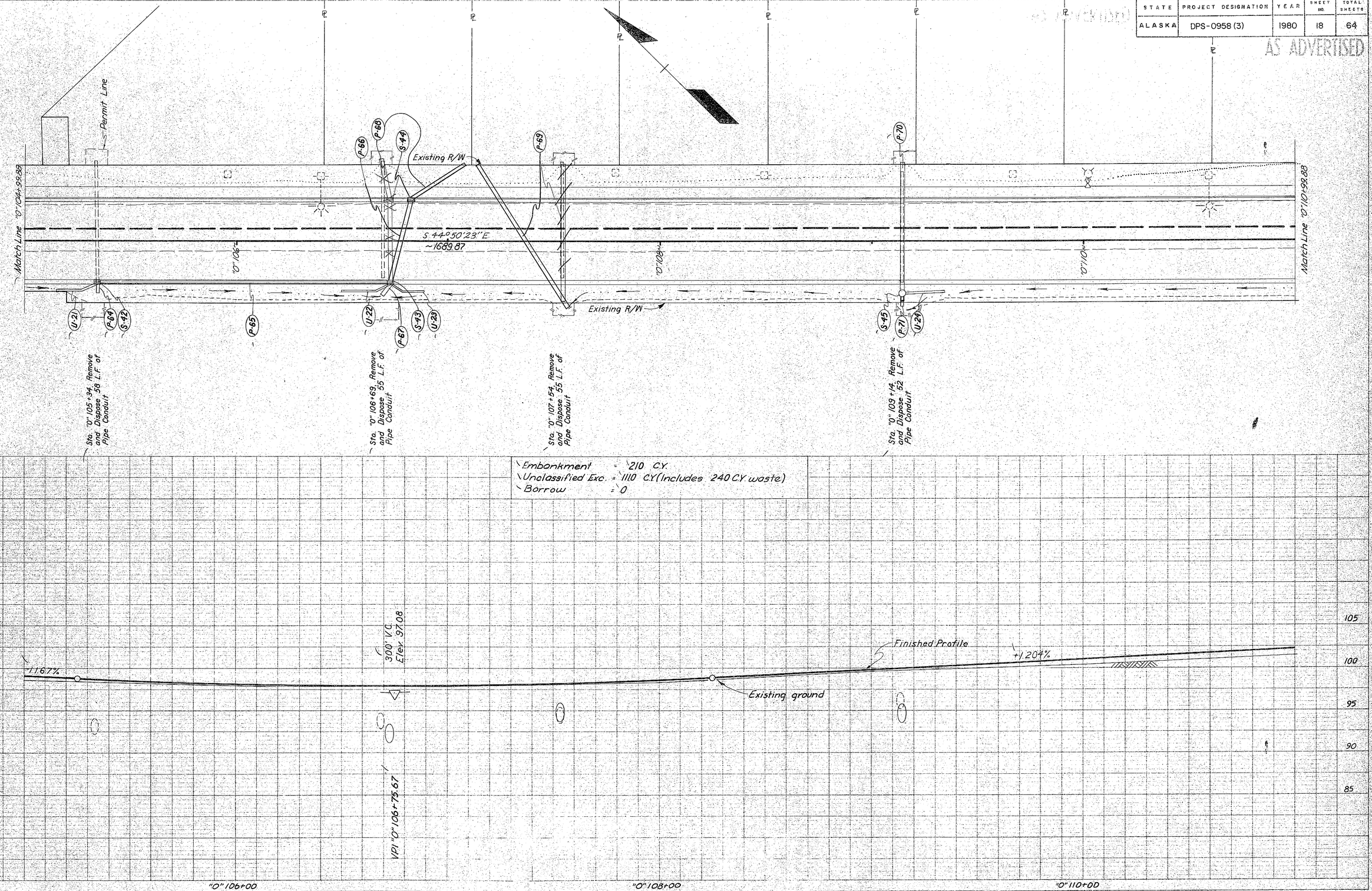
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	DPS-0958(3)	1980	18	64

AS ADVERTISED

AS ADVERTISED

PLAN SURVEYED / PLOTTED / NOTE BOOK / DRAWN / CHECKED / No. / ATTACHMENT INDICATES CHECKED

PROFILE SURVEYED / PLOTTED / NOTE BOOK / DRAWN / CHECKED / No. / ATTACHMENT INDICATES CHECKED



HIGHWAY FEDERAL AID SHEET NO. PLATE I-SINGLE PLAN AND PROFILE-FULL LINE

AS ADVERTISED

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	DPS-0958 (3)	1980	19	64

PLAN — SURVEYED / DRAWN / NOTE BOOK, ALIGNMENTS CHECKED / BY: OK-WAS CHECKED / No.

PROFILE — SURVEYED / DRAWN / NOTE BOOK, GRADES CHECKED / BY: ALL NOTED / No. — STRUCTURE POSITIONS VERIFIED

℄ ℄ ℄ ℄ ℄ ℄

Sta. "0" 112+87 Lt. Reconstruct Stairway as required. Approx. 160 S.F.

Existing R/W

Match Line "0" 110+99.88

P-72

P-74

S-47

"J" 10+00.00 P.O.T. = "0" 114+60.00 P.O.T.

S 44°50'23" E ~1689.87

S 45°09'37" W 20.00

Match Line "0" 116+93.70

"0" 112+

"0" 114+

"0" 116

P-78

S-50

P-75

P-76

S-48

U-28

P-77

S 19°30'29" E ~34.43'

S-49

U-27

P-79

R/W

Existing R/W

P-73

S-46

U-25

Sta. "0" 111+34 Remove and Dispose 51 L.F. of Pipe Conduit

See General Note 9 for Sub-Excavation

Sta. "0" 113+34 Remove and Dispose 34 L.F. of Pipe Conduit Abscreen remaining pipe

Sta. "0" 114+13 Rt. Begin Std. Curb & Sidewalk

Sta. "0" 114+00 Rt. Remove portion of existing concrete sidewalk

Sta. "0" 114+15 Rt. Remove and Dispose 72 L.F. of Pipe Conduit

Note: See Intersection Detail on Sht. No. 26

Sta. "0" 114+34 Remove and Dispose 79 L.F. of Pipe Conduit

Embankment	=	360 C.Y.
Unclassified Exc.	=	1180 C.Y. (Includes 370 C.Y. waste)
Borrow	=	0

110

105

100

95

+1.204%

+1.241%

110 V.C. Elev 103.40

VPI "0" 112+00.67

Finished Profile

Existing ground

"0" 112+00

"0" 114+00

"0" 116+00

HIGHWAY TYPICAL APPLIED SINGLE PLAN AND PROFILE-PUBLIC LINE FOR TESTING

AS ADVERTISED

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	DPS-0958(3)	1980	20	64

"0" Line
Δ = 2°49'34"
D = 1°22'13"
T = 103.14'
L = 206.24'
R = 4181.326'
S = Normal Crown

"0" 118+39.87 P.C.

"0" 120+46.11 P.T.

Existing R/W

Existing R/W

Match Line "0" 116+93.70

S44° 50' 23" E
~168.87

S47° 39' 57" E
~93.15

"0" 118+

"0" 120+

Existing 2" Conduit for School Flasher Beacon

Pavement Match Joint see detail on sheet 4

P-80

P-81

3-51

1128

Sta. "0" 117+12, Remove and Dispose 71 L.F. of Pipe Conduit

Sta. "0" 118+30, Construct 5' Concrete Landing and Steps to match existing Concrete Sidewalk Concrete = 1.2 cy

End Underdrain Sta "0" 119+42.00

"0" 119+43.01 P.T.

Relocate Hydrant from 18' Rt. to 27' Rt.

For sidewalk curb and gutter transition and "0" Line transition to existing See intersection detail sheet 27

END PROJECT
DPS-0958(3)
"0" 121+39.27 P.O.T. =
"L" 94+39.00 P.O.T.

Embankment	= 380 C.Y.
Unclassified Exc.	= 590 C.Y. (Includes 60 C.Y. waste)
Borrow	= 0

120
115
110
105
100
95

250 V.C.
Elev 112.40

Finished Profile

+1.241%

-0.954%

Existing ground

Match Existing
Elev 110.26

VPI "0" 119+25.75

EOP "0" 121+49.84

110
105
100

"0" 118+00

"0" 120+00

"0" 122+00

PLAN: DRAWN, CHECKED, NOTE BOOK, PLOTTED, CHECKED, No., 1 SHT. NOTED, STRUCTURE LOCATIONS CHECKED

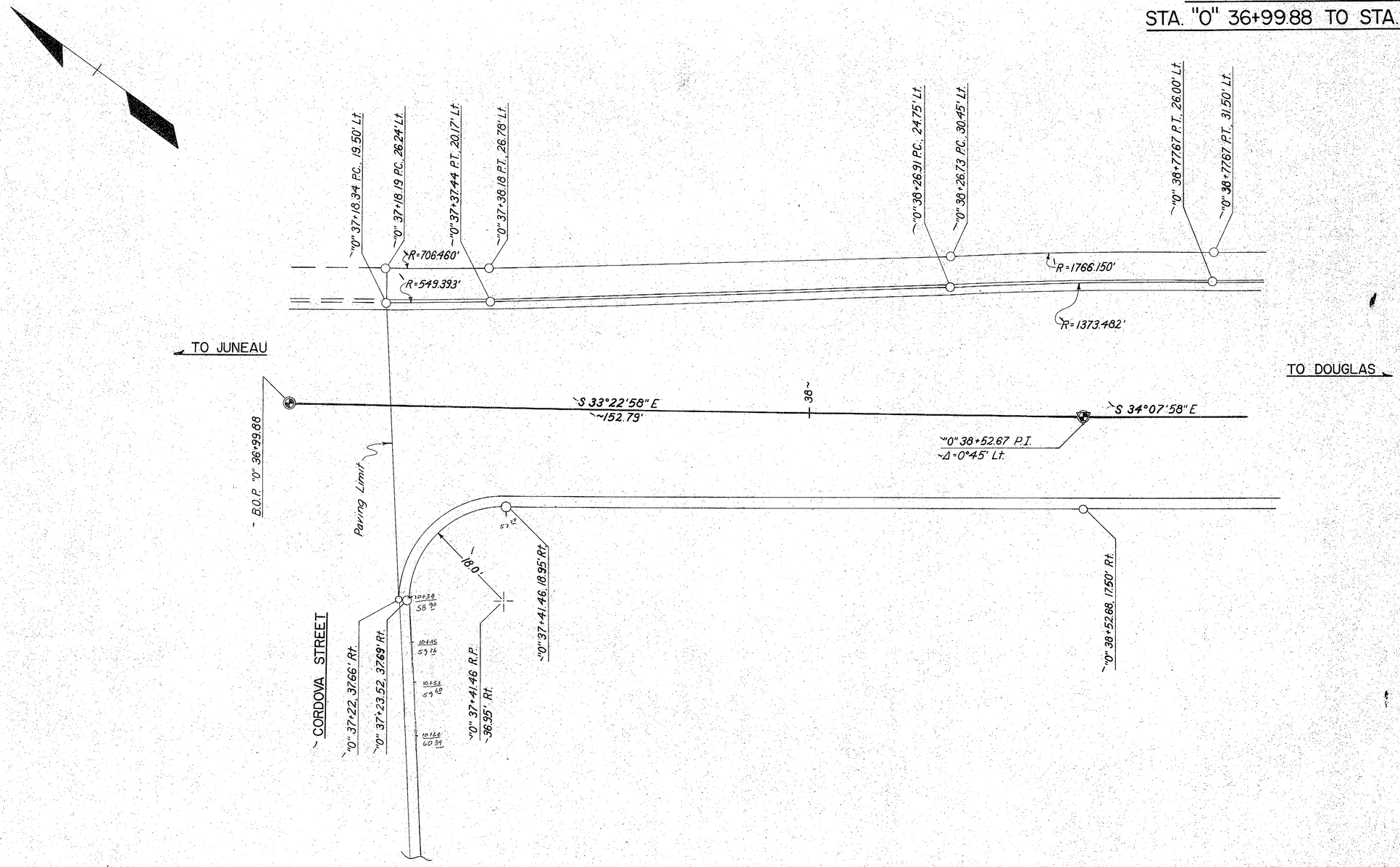
PROFILE: DRAWN, CHECKED, NOTE BOOK, PLOTTED, CHECKED, No., 1 SHT. NOTED, STRUCTURE LOCATIONS CHECKED

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

AS ADVERTISED

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	DPS-0958(3)	1980	21	64

INTERSECTION & TRANSITION DETAIL
STA. "0" 36+99.88 TO STA. "0" 38+52.67



AS ADVERTISED

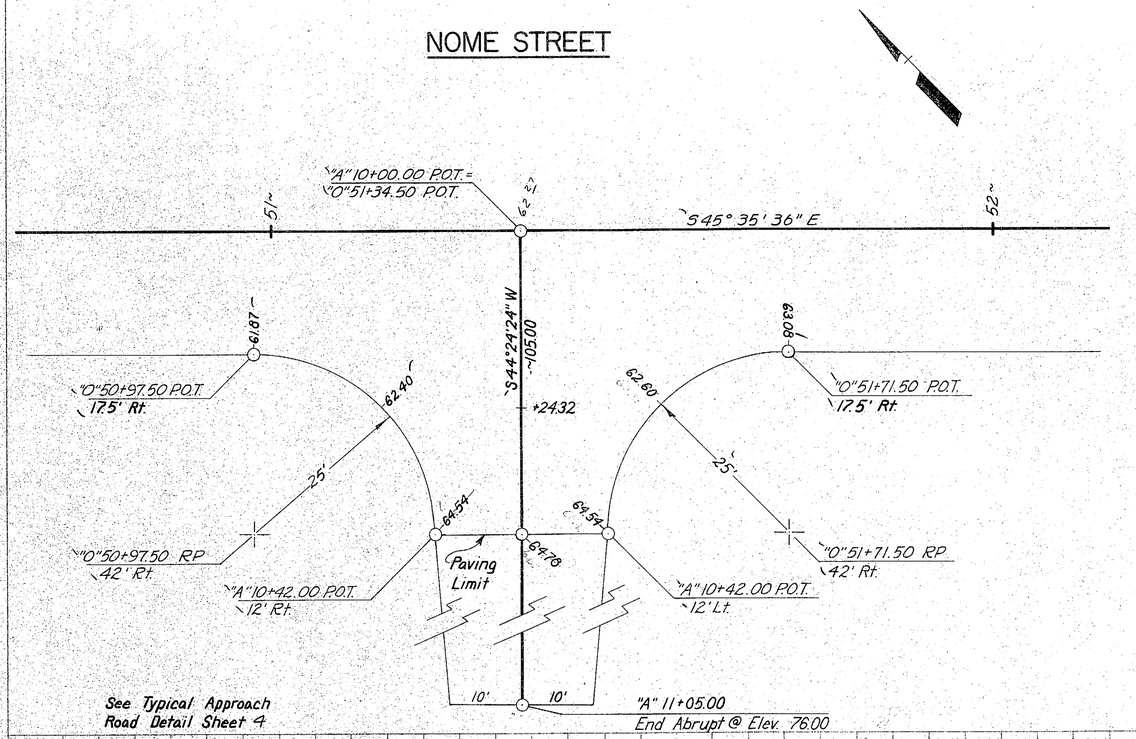
INTERSECTION DETAILS

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	DPS-0958(3)	1980	22	64

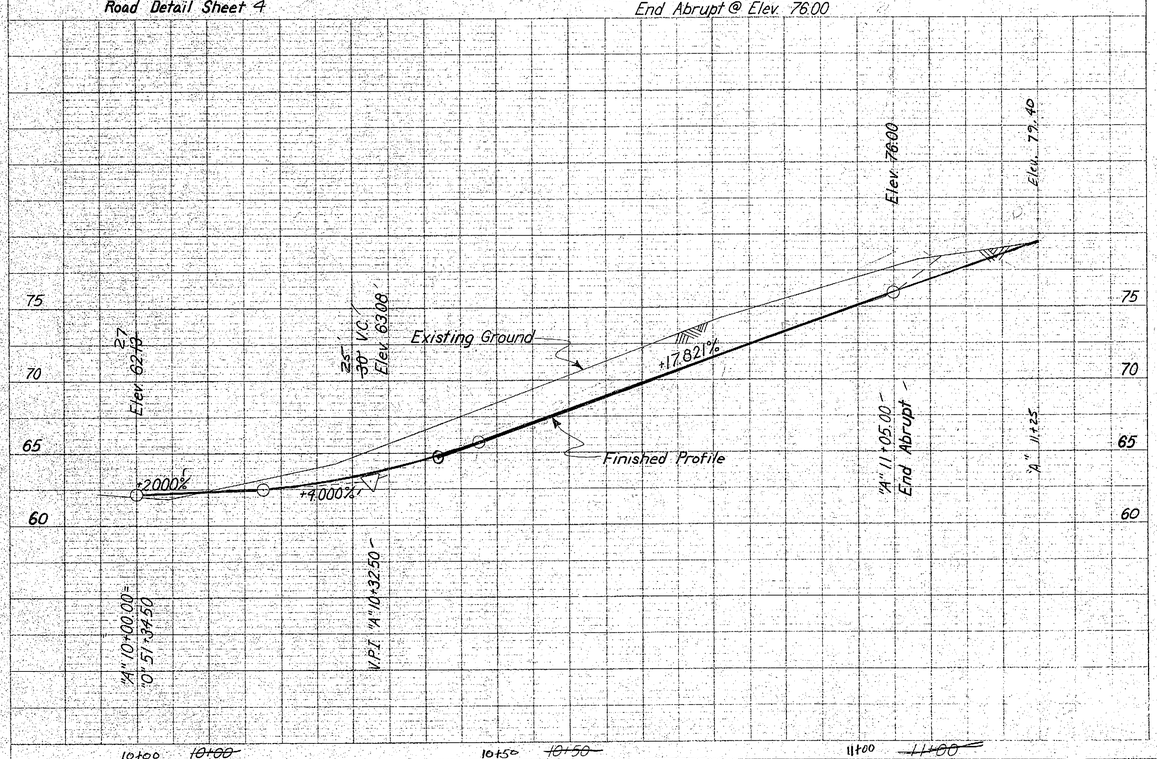
PLAN — SURVEYED / PLOTTED / NOTE BOOK / GRADES CHECKED / No. / BY OF WAY CHECKED / STRUCTURES LOCATIONS CHECKED

PROFILE — SURVEYED / PLOTTED / NOTE BOOK / GRADES CHECKED / No. / R.W. NOTES / STRUCTURES LOCATIONS CHECKED

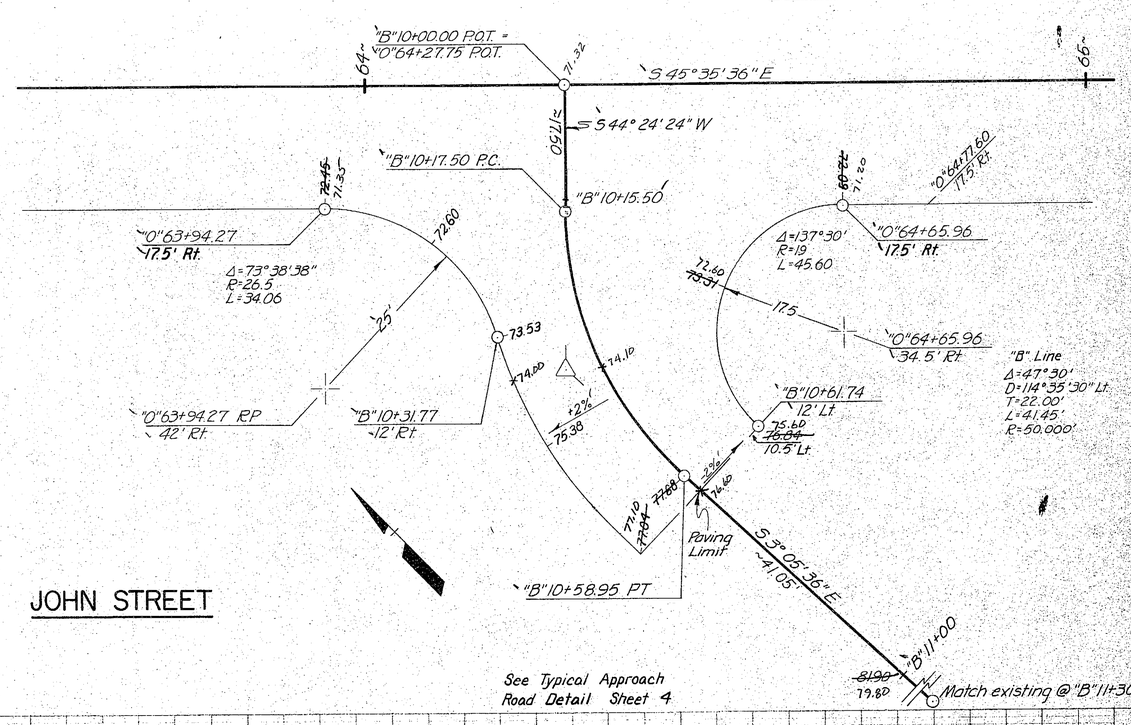
NOME STREET



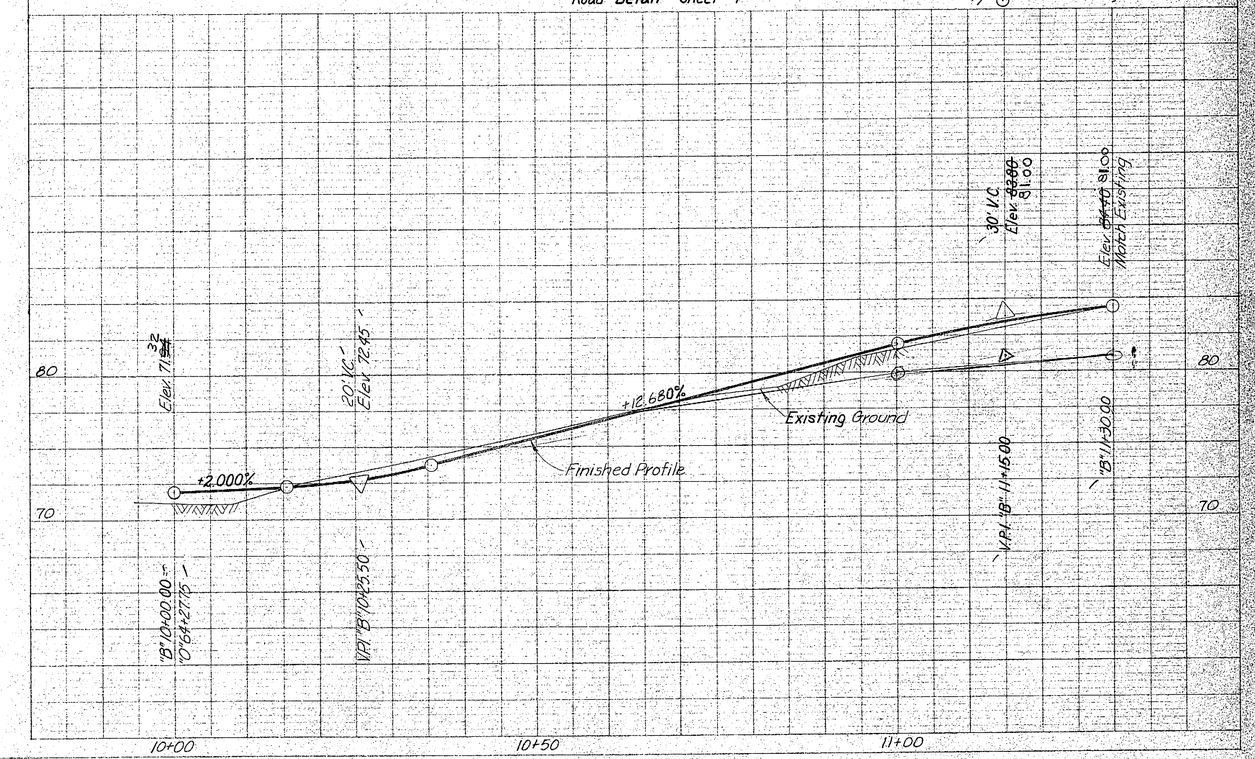
See Typical Approach Road Detail Sheet 4



JOHN STREET



See Typical Approach Road Detail Sheet 4

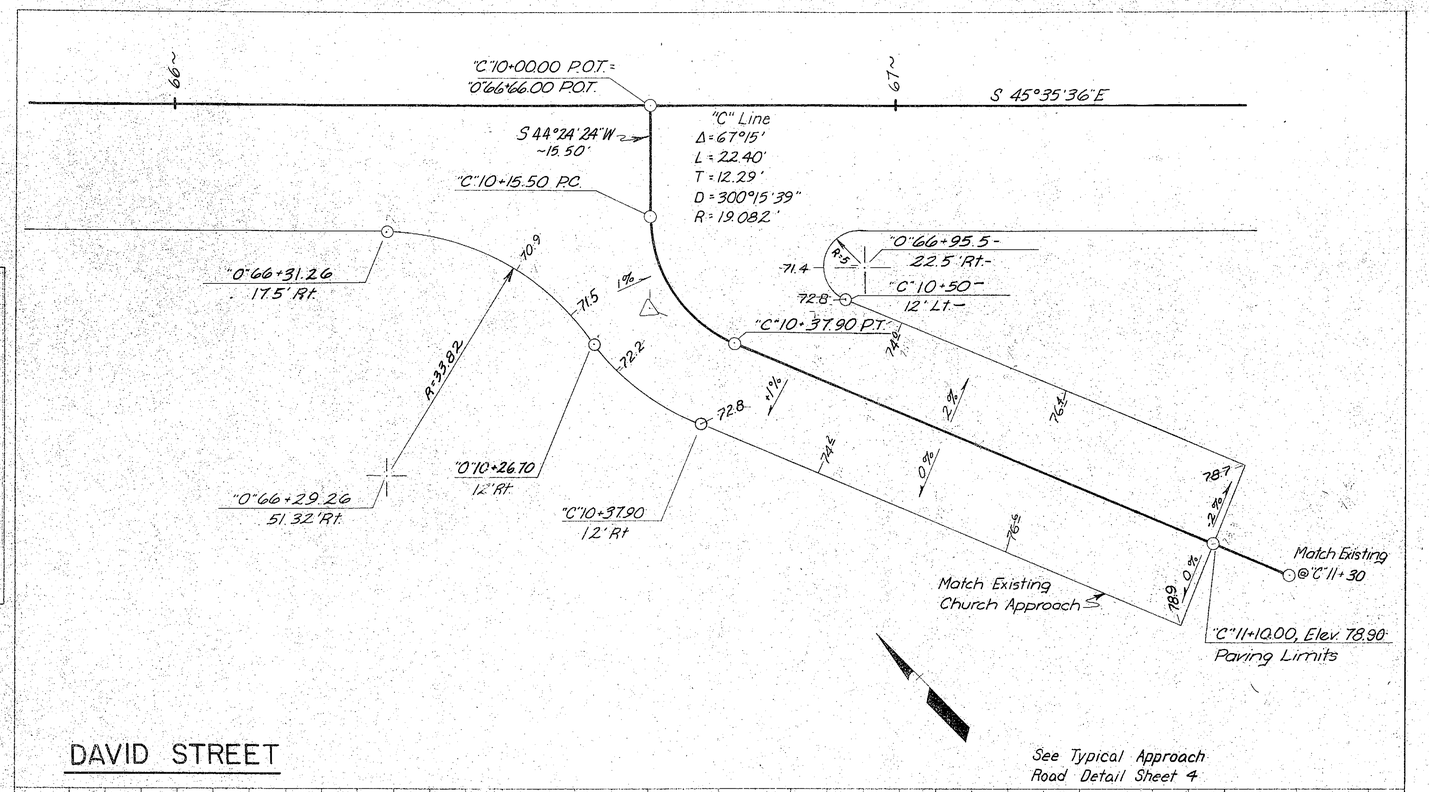


AS ADVERTISED

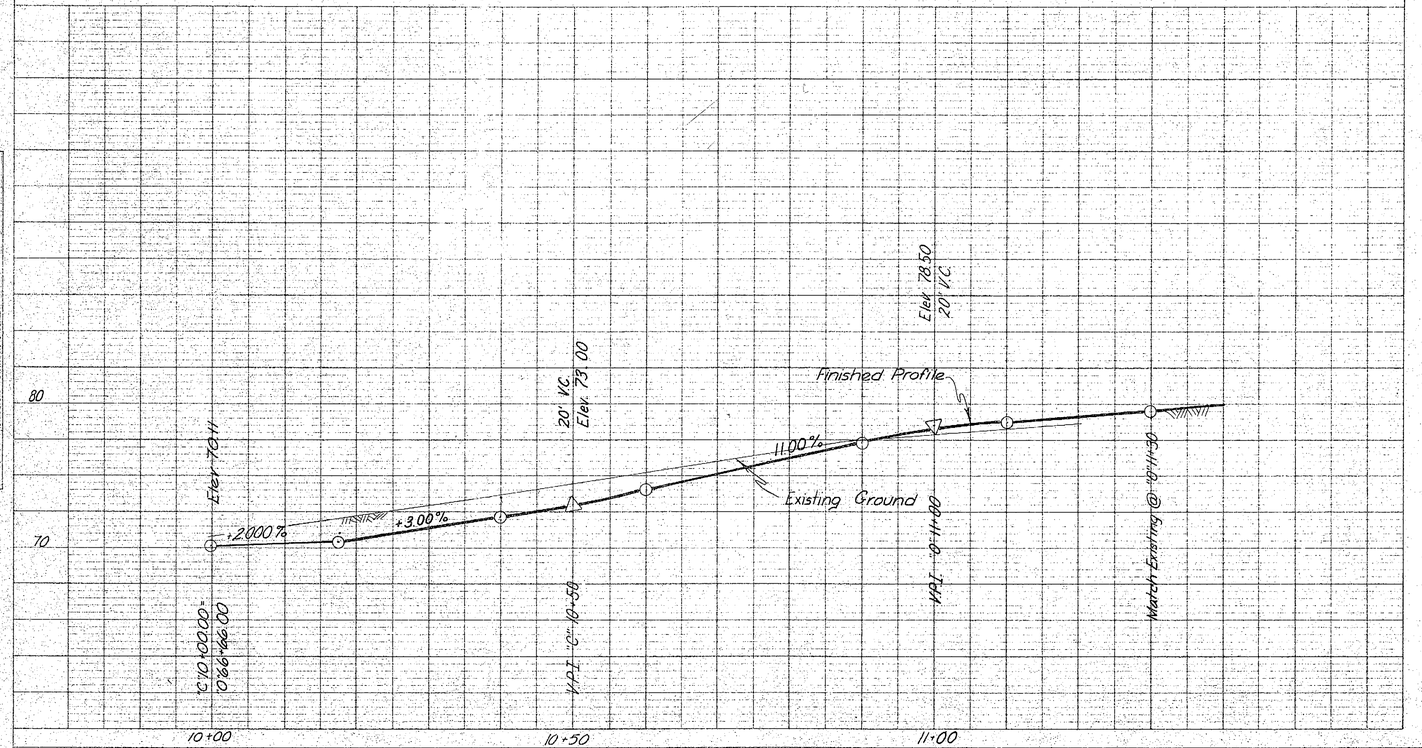
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	DPS-0958(3)	1980	23	64

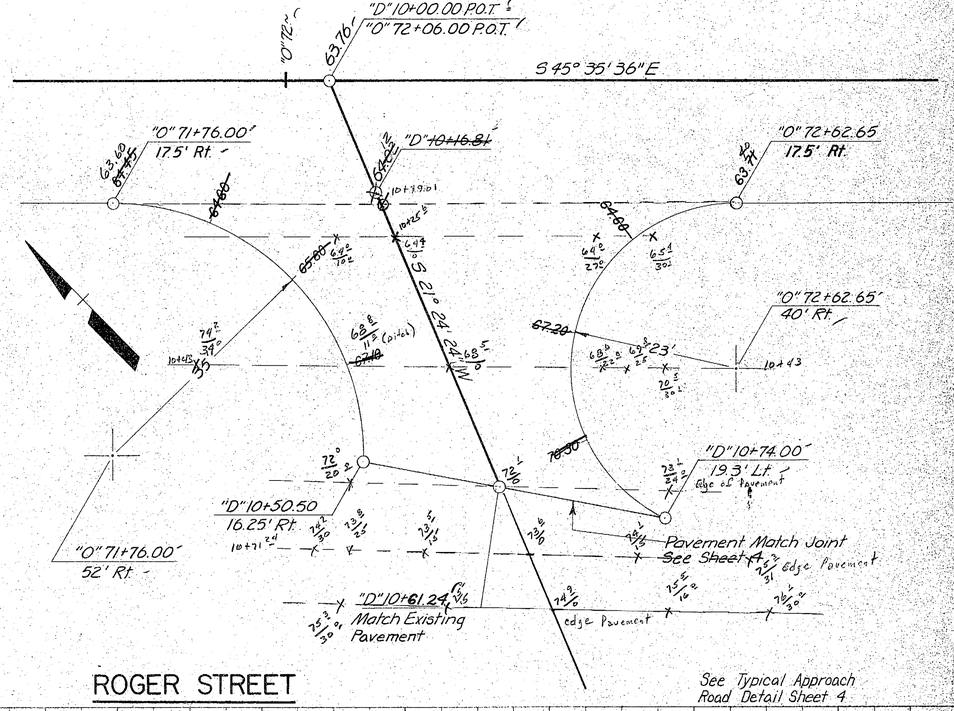
PLAN — SURVEYED / PLOTTED / NOTE BOOK / CHECKED / No. / DRAWN / CHECKED / R/W MONUMENTS SET / R/W MONUMENTS CHECKED / DATE / BY

PROFILE — SURVEYED / PLOTTED / NOTE BOOK / CHECKED / No. / DRAWN / CHECKED / R/W & MONUMENTS SET / R/W MONUMENTS CHECKED / DATE / BY



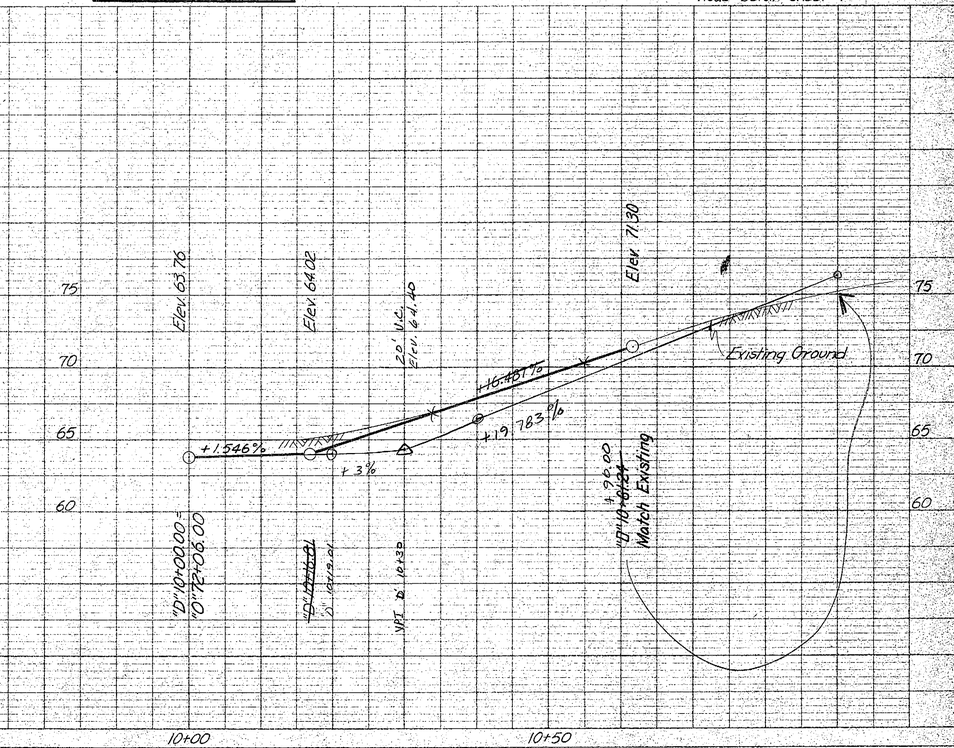
DAVID STREET





ROGER STREET

See Typical Approach
Road Detail Sheet 4



HIGHWAY / GENERAL AND STREET
PLATE 1-SINGLE PLAN AND PROFILE-FULL LINE
REDLINE

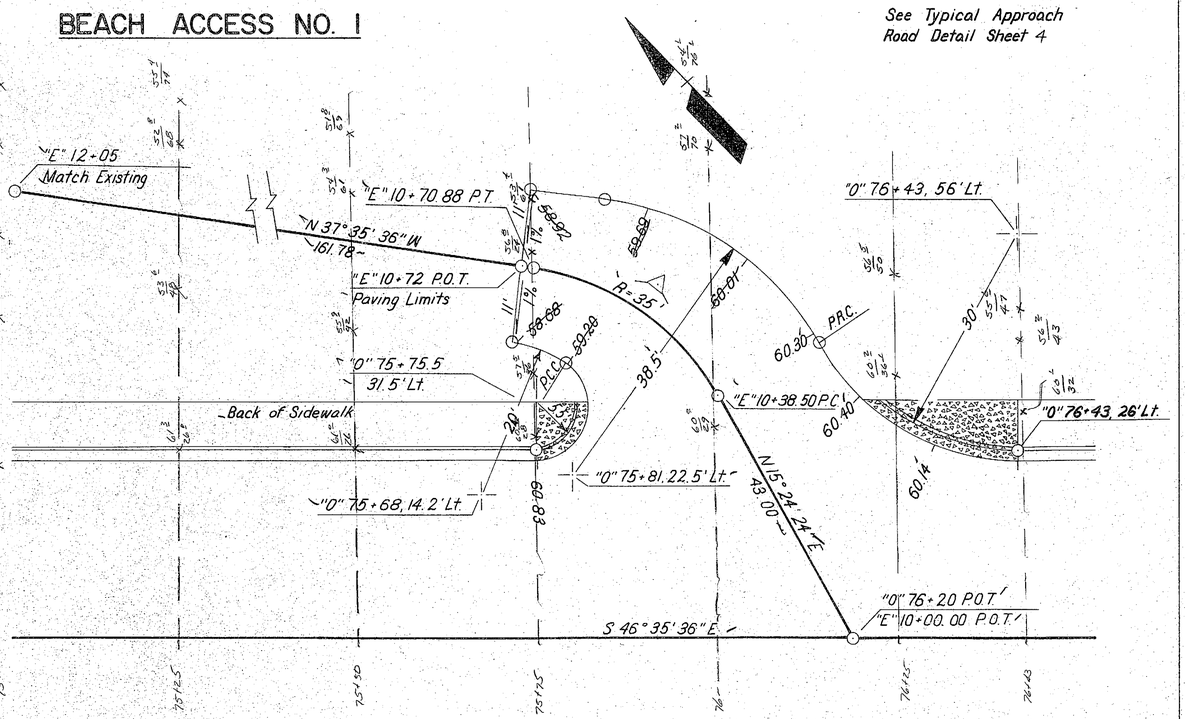
AS ADVERTISED

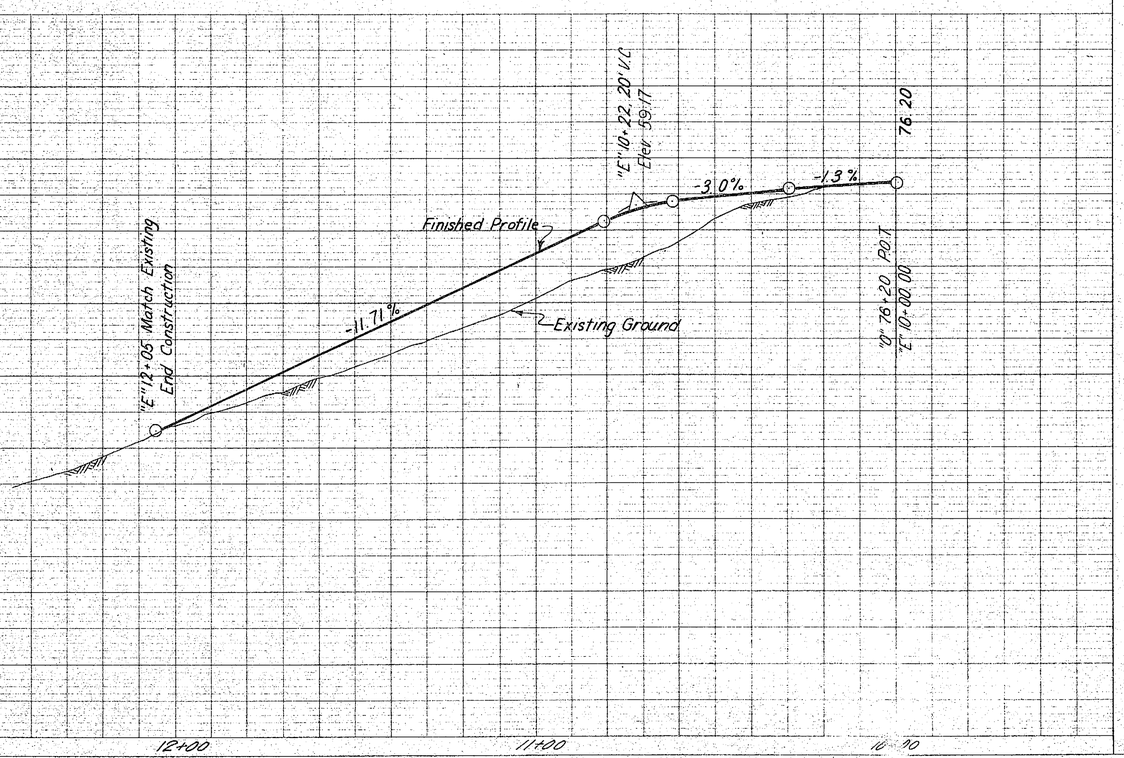
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	DPS-0958(3)	1980	24	64

PLAN SURVEYED / PLOTTED / NOTE BOOK / CREW CHIEF / CHECKED / No.

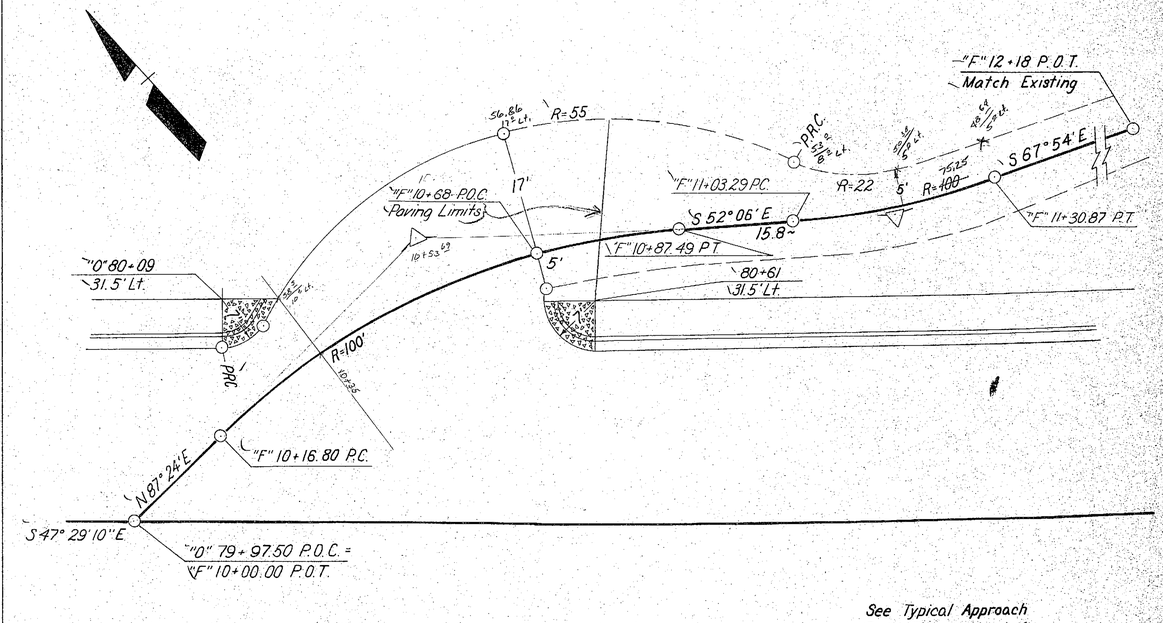
PROFILE SURVEYED / PLOTTED / NOTE BOOK / GRADES CHECKED / 8 WAY NOTES CHECKED / No. / STRUCTURE QUANTITIES CHECKED

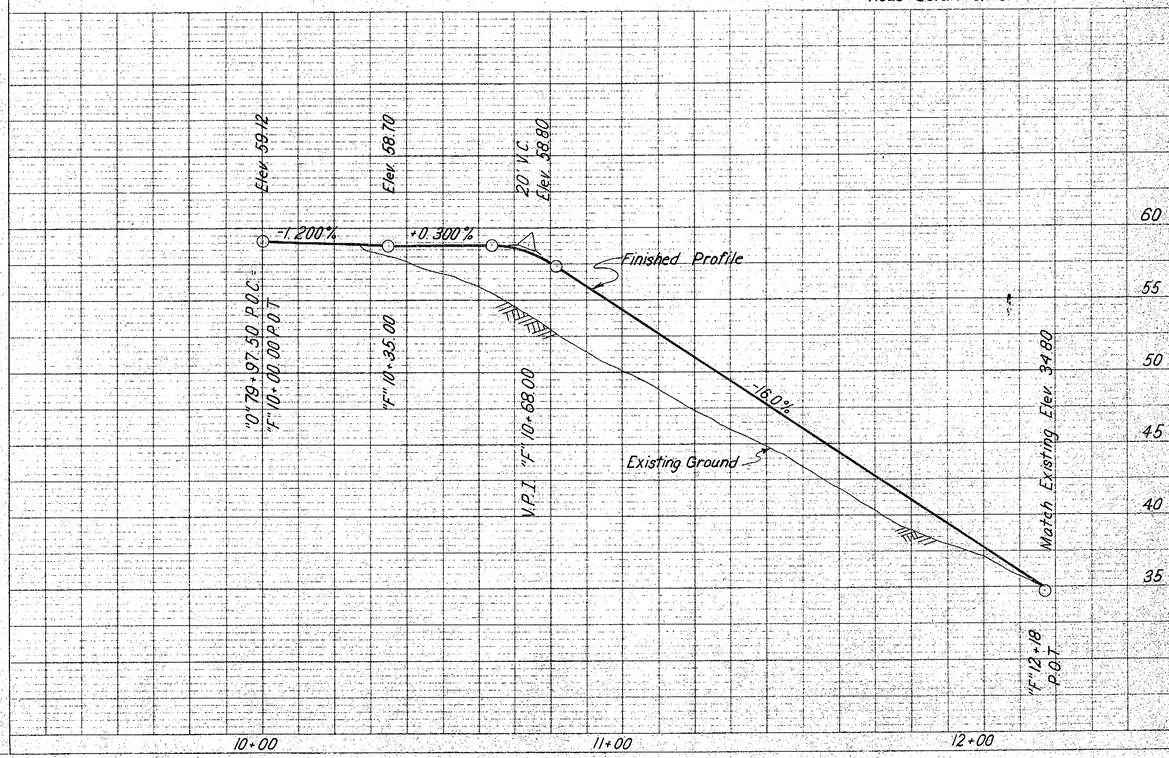
BEACH ACCESS NO. 1





BEACH ACCESS NO. 2

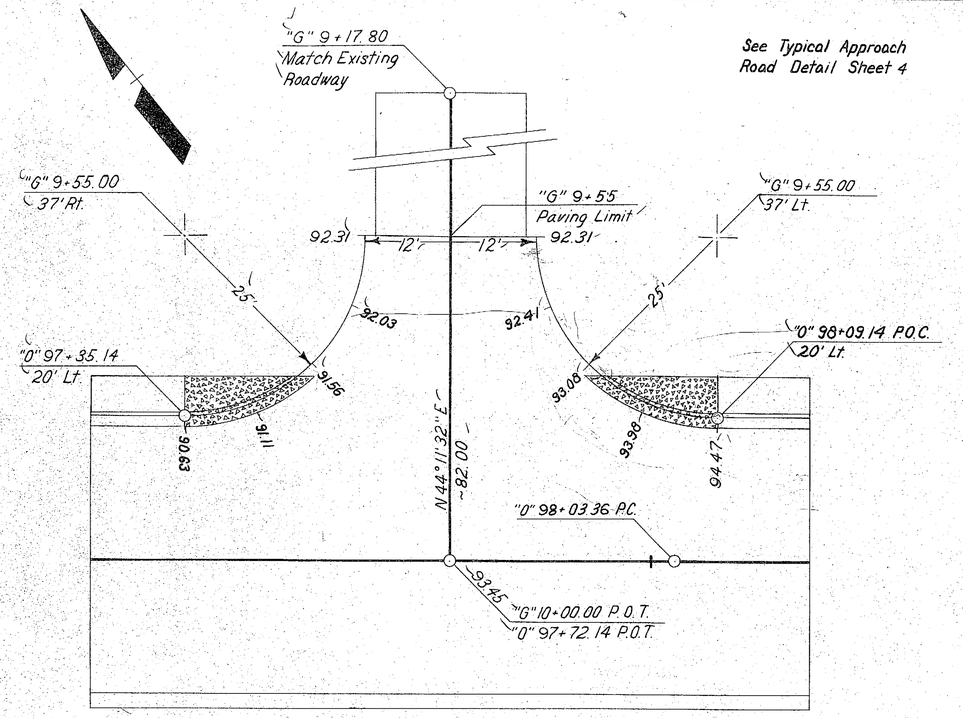




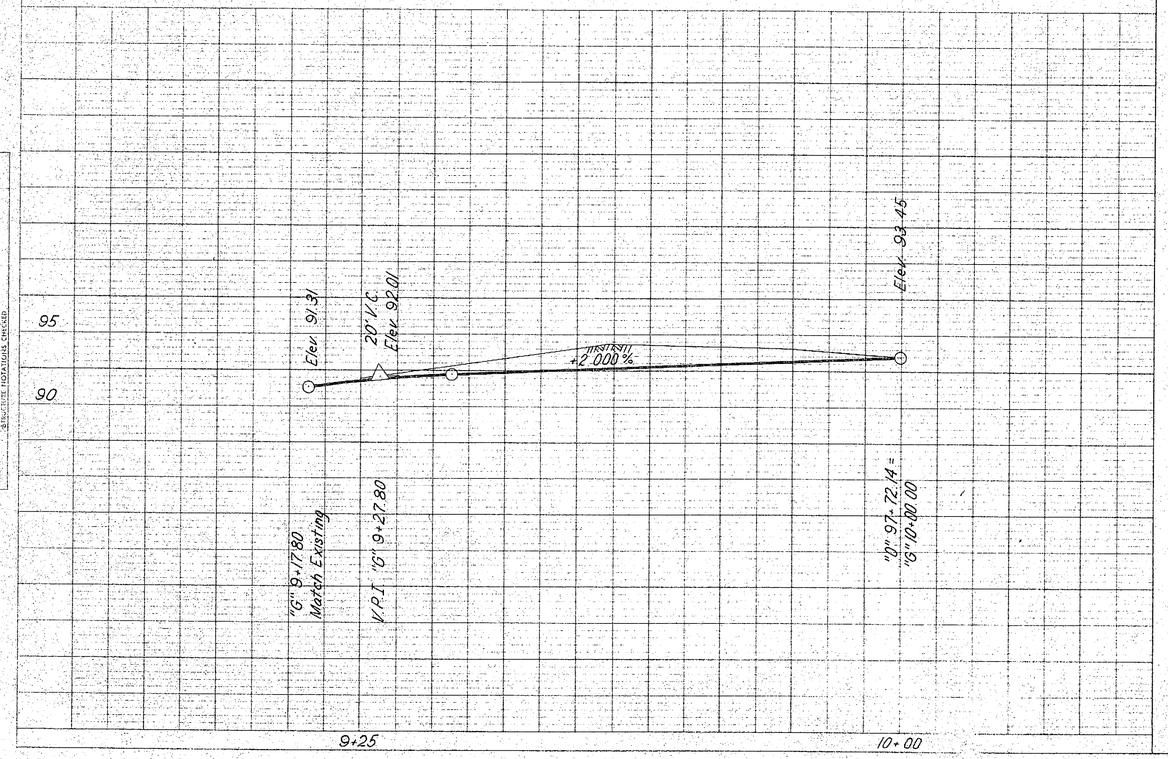
AS ADVERTISED

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	DPS-0958(3)	1980	25	64

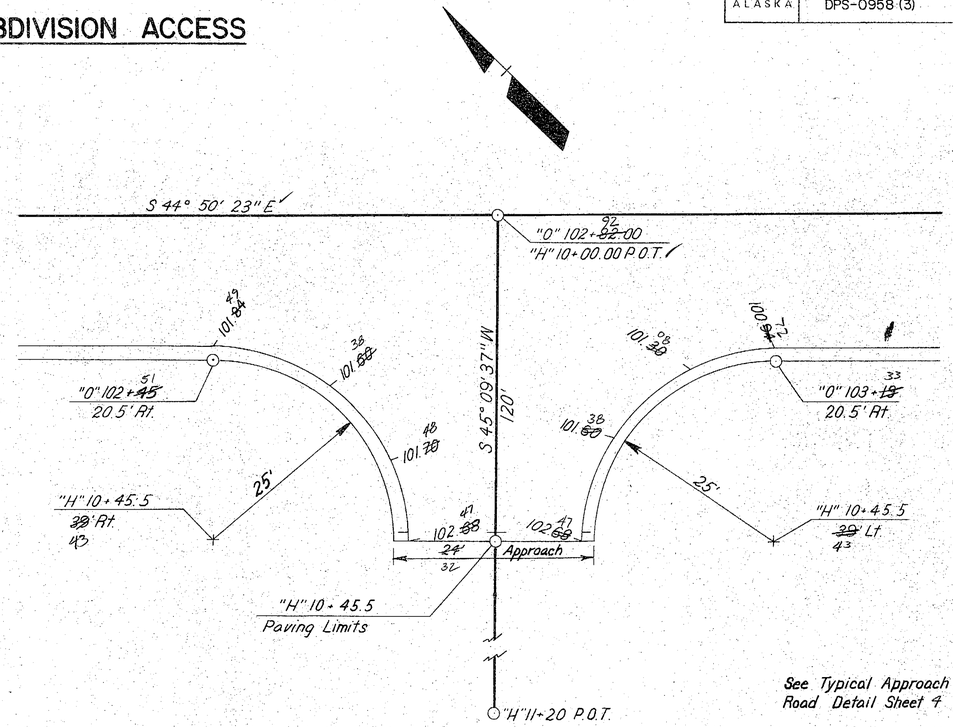
PLAN SURVEYED / DRAWN / QUANTITIES CHECKED / NOTE BOOK / No. / STRUCTURE NOTATIONS CHECKED / DATE



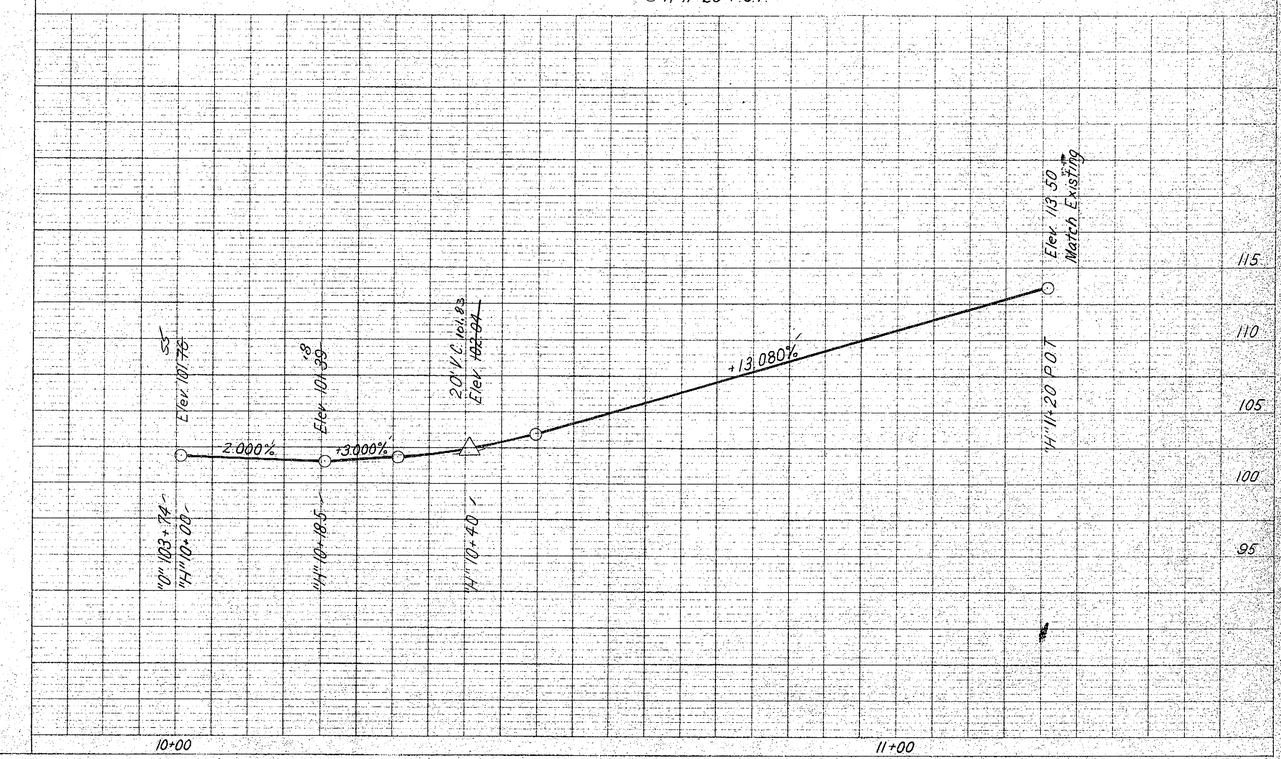
LAWSON CREEK ACCESS



SUBDIVISION ACCESS



See Typical Approach
Road Detail Sheet 4

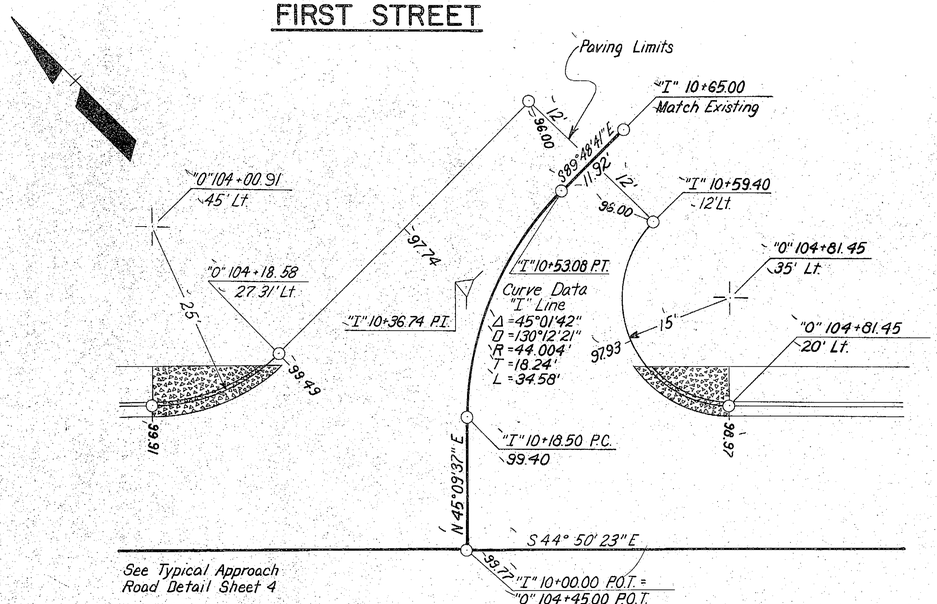


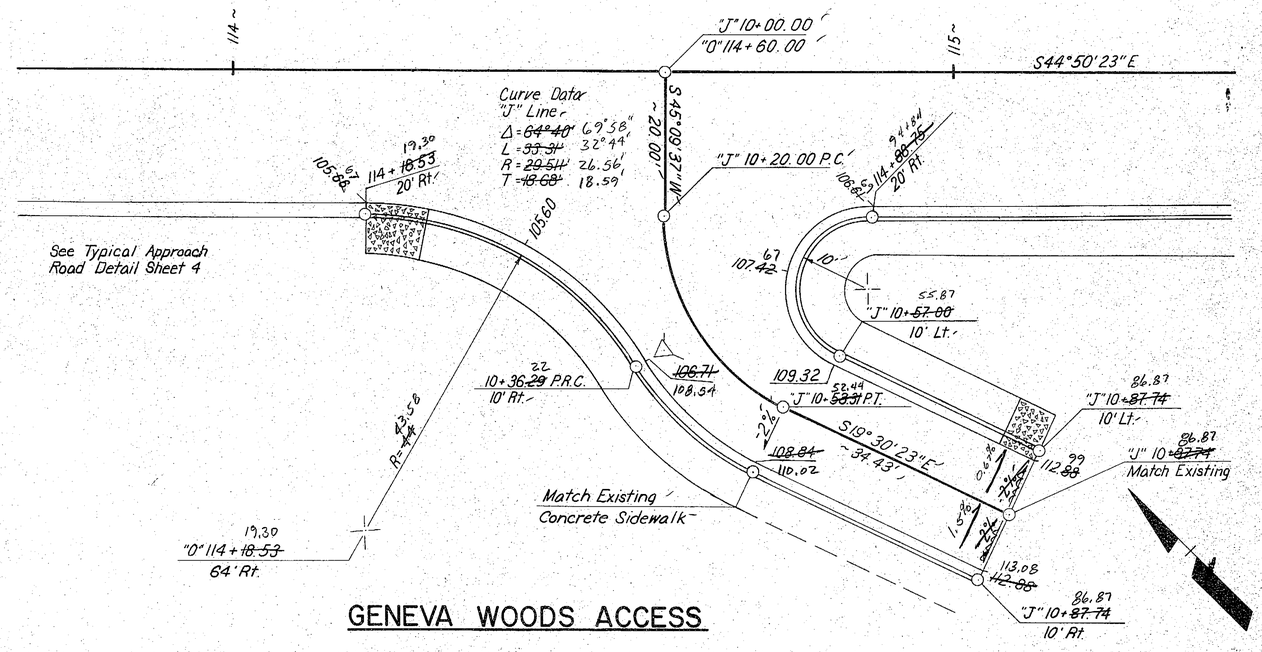
PROFILE SURVEYED / DRAWN / QUANTITIES CHECKED / NOTE BOOK / No. / STRUCTURE NOTATIONS CHECKED / DATE

AS ADVERTISED

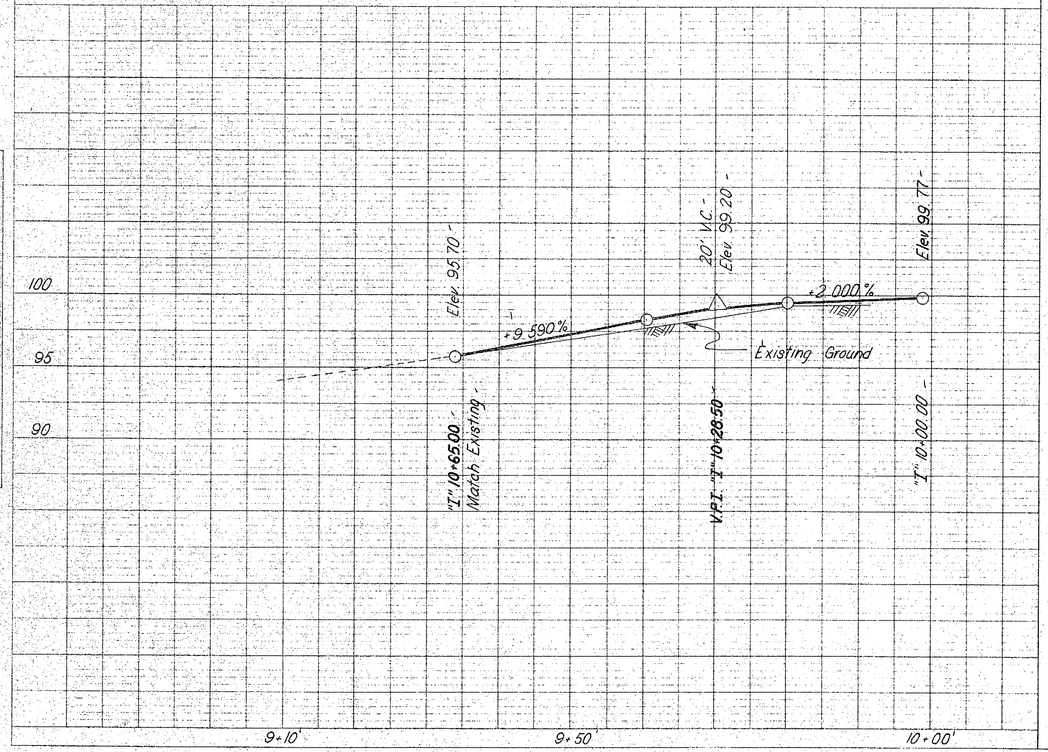
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	DPS-0958(3)	1980	26	64

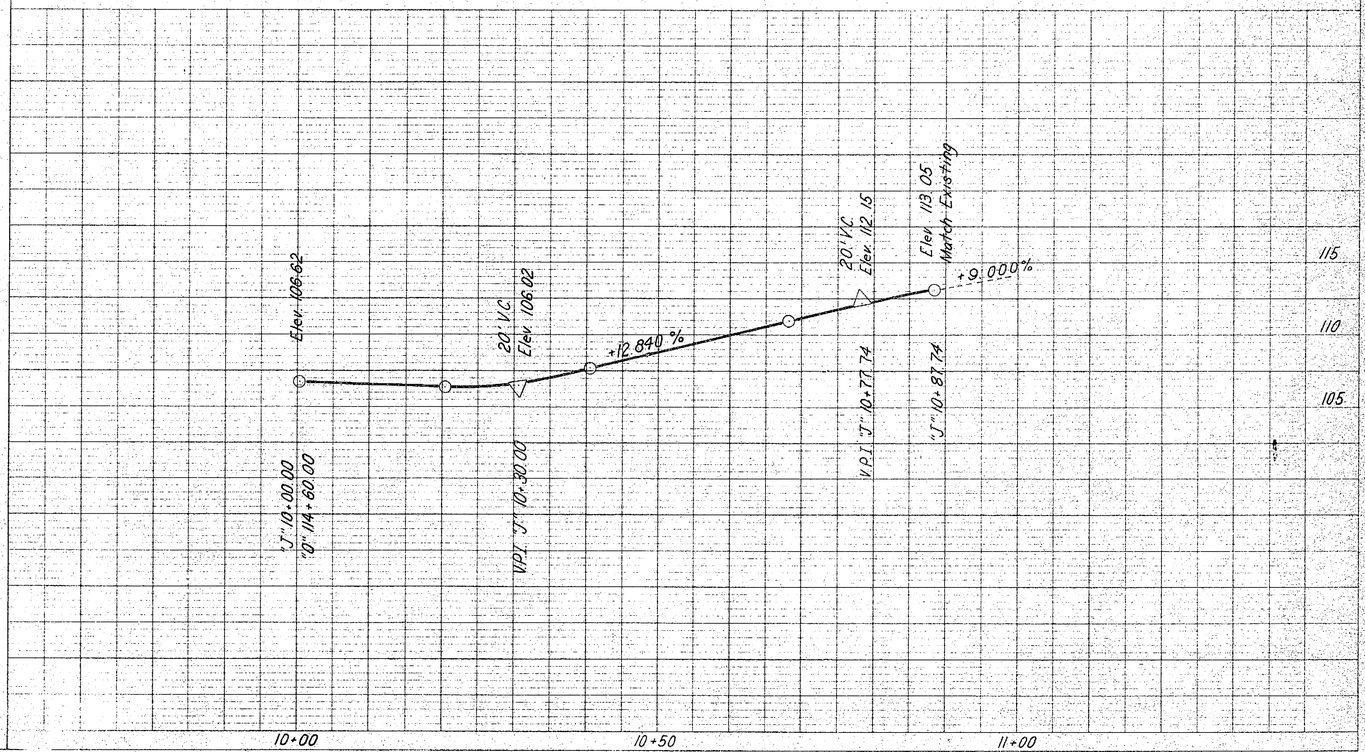
FIRST STREET





GENEVA WOODS ACCESS





PLAN — LOCATED / PLOTTED / NOTE BOOK: ALIGNMENT CHECKED / BY: / DATE: / NOTE BOOK: GRADES CHECKED / BY: / DATE: / NO. / REVISED LOCATIONS CHECKED / BY: / DATE: / NO. / ST. PLAT. / BY: / DATE: / NO. / FED. AID PROJECT NO. / ST. DIV. OF HIGHWAYS CHECKED / BY: / DATE:

PROFILE — LOCATED / PLOTTED / NOTE BOOK: GRADES CHECKED / BY: / DATE: / NO. / REVISED LOCATIONS CHECKED / BY: / DATE:

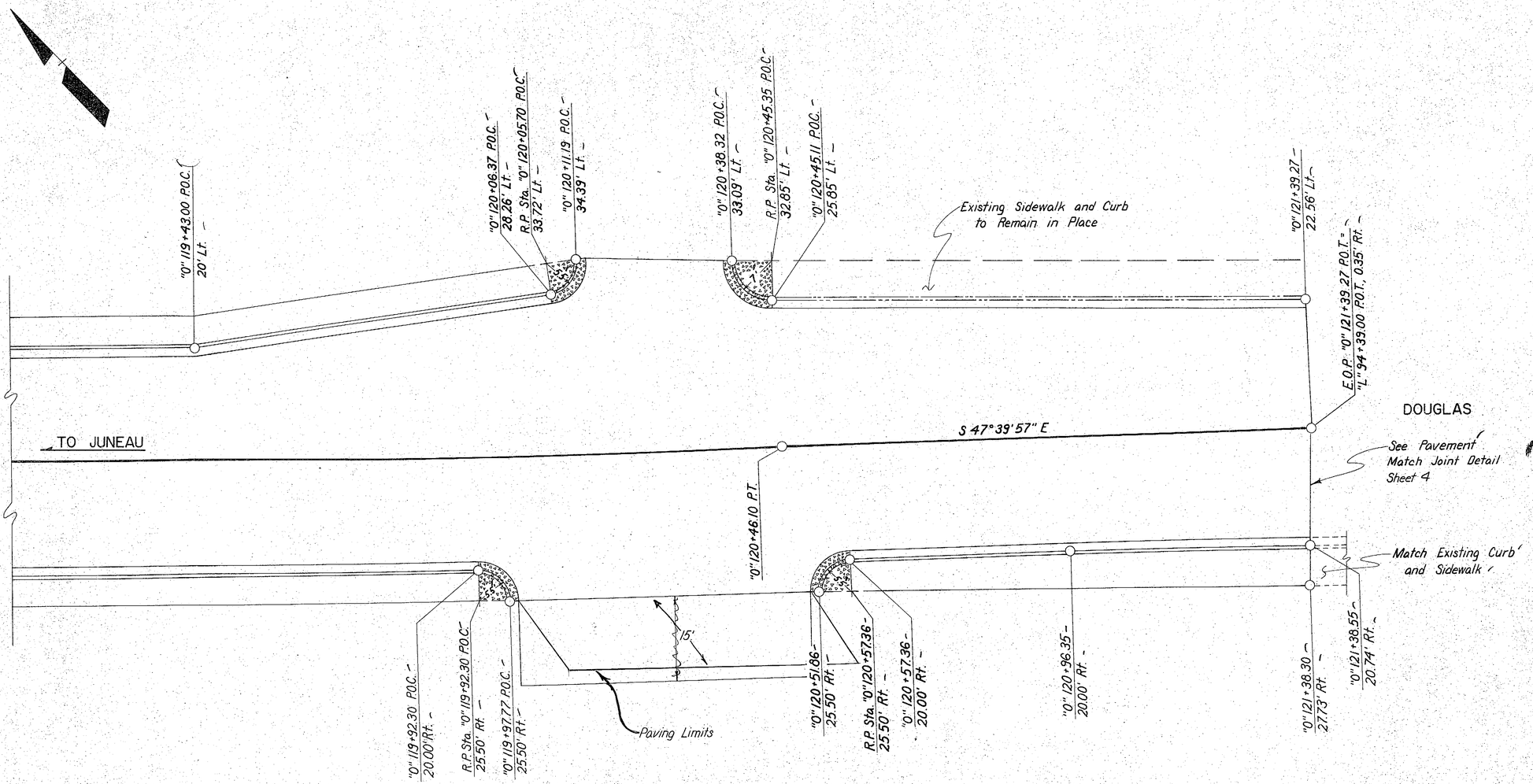
HIGHWAY FEDERAL AID SHEET
TITLE PLAN AND PROFILE-FULL LINE
AS REVISED

Kodak 19 1233 8-80 MG 1227*

AS ADVERTISED

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	DPS-0958 (3)	1980	27	64

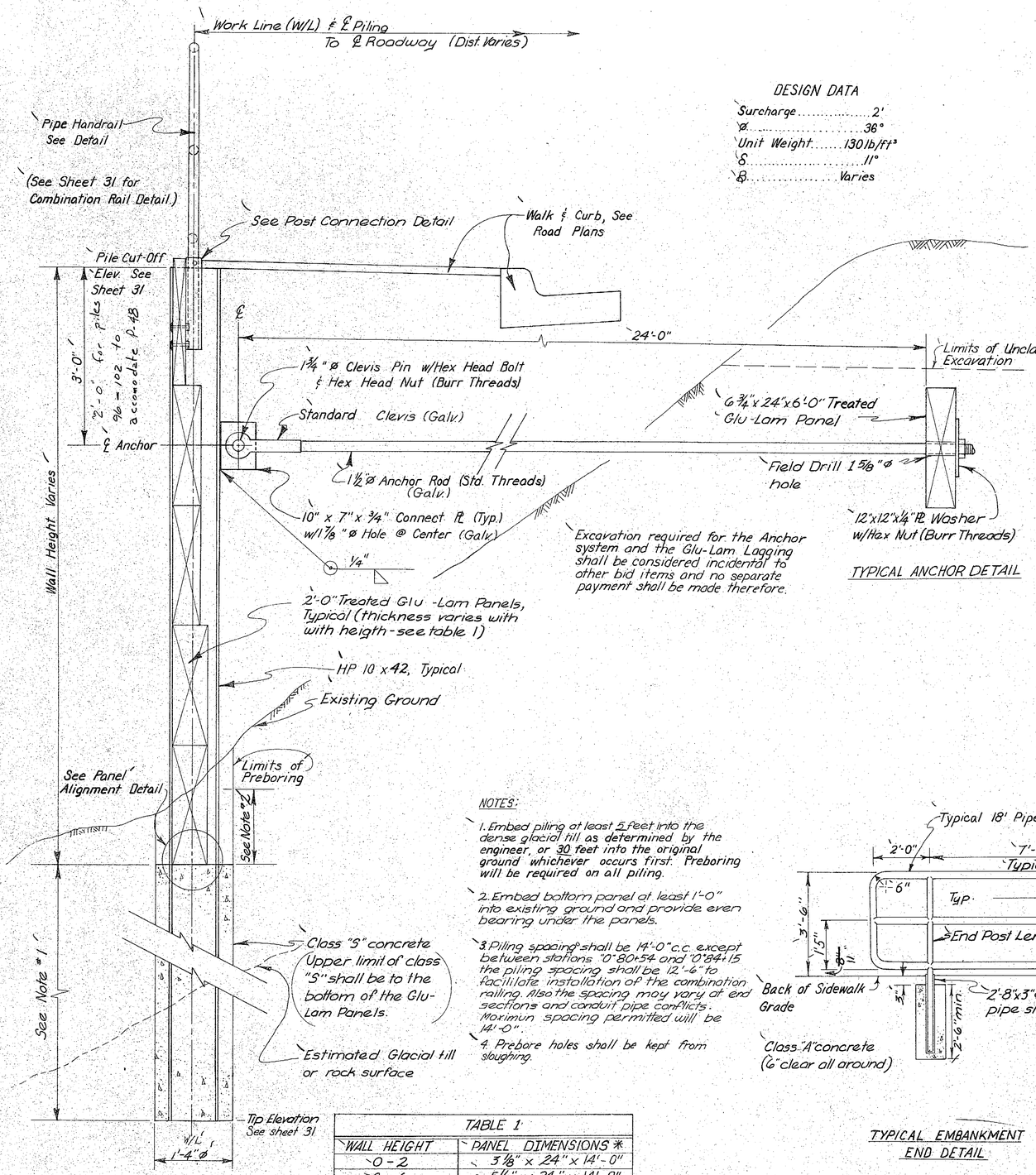
INTERSECTION & TRANSITION DETAIL



SOLDIER PILE RETAINING WALL
TYPICAL SECTION AND DETAILS

AS ADVERTISED

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	DPS-0958 (3)	1980	28	64



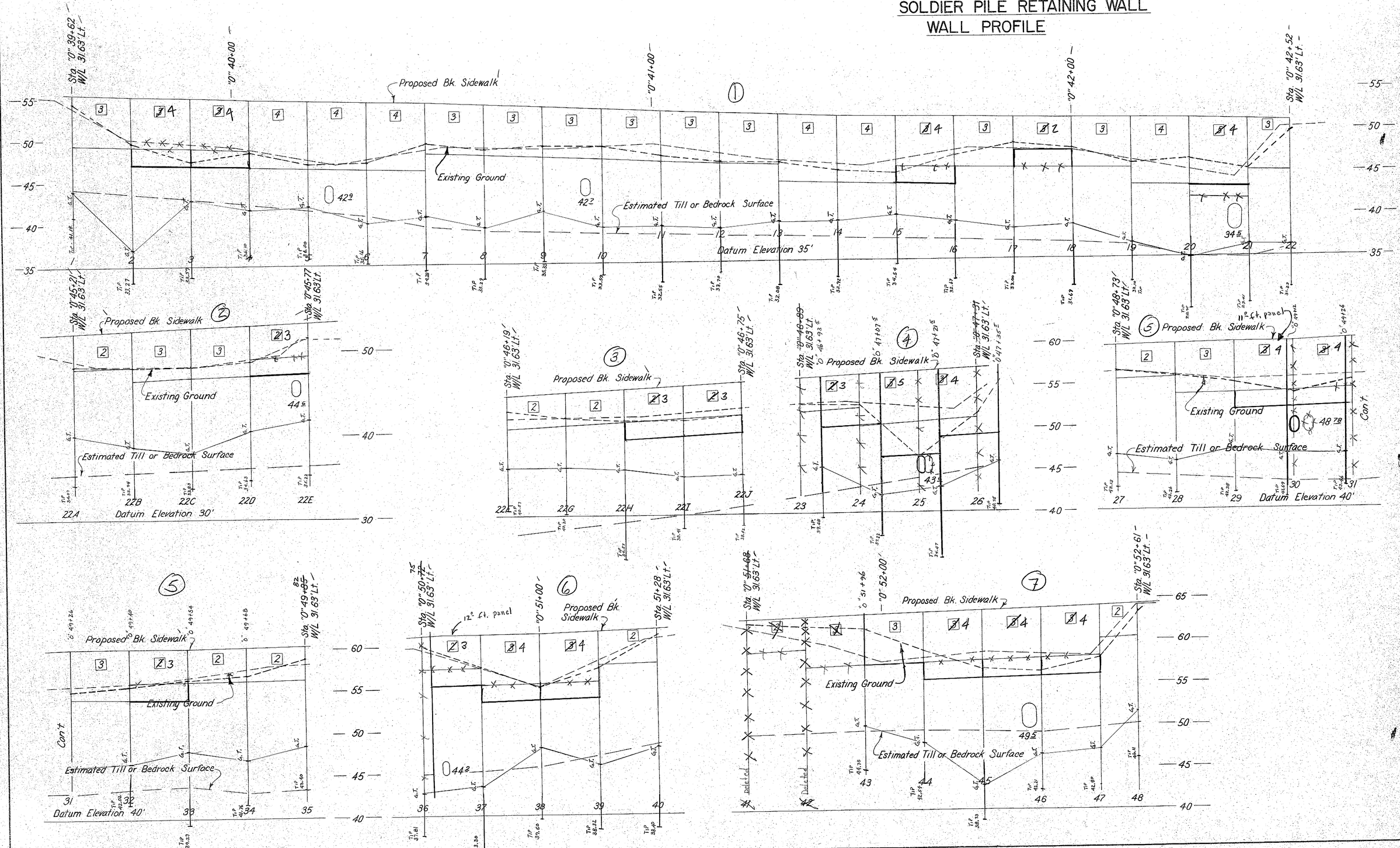
K&E 19-1253 6-80 MC 1227+

AS ADVERTISED

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	DPS-0958 (3)	1980	29	64

See Notes Sheet 31

SOLDIER PILE RETAINING WALL
WALL PROFILE

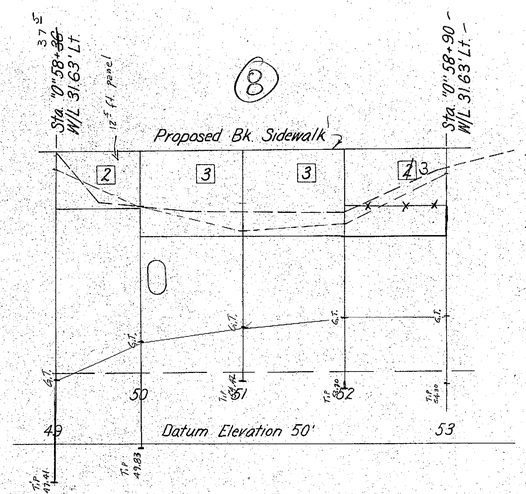


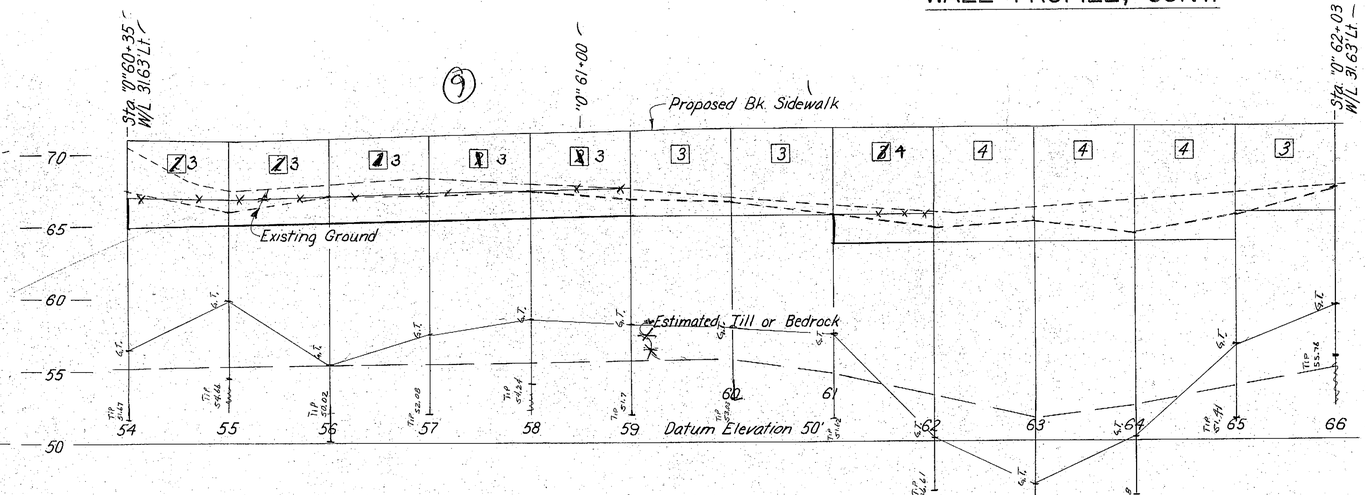
K-E 19 1253 6-80 MC 1227*

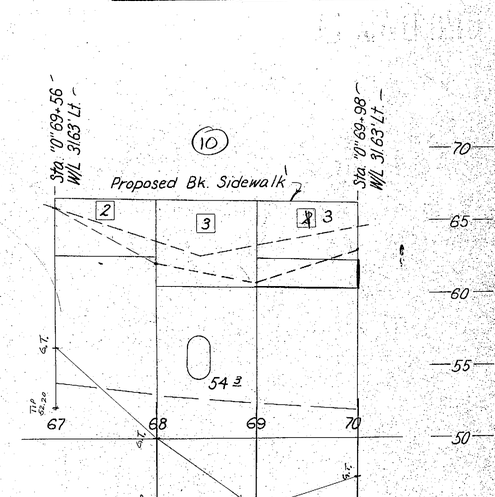
AS ADVERTISED

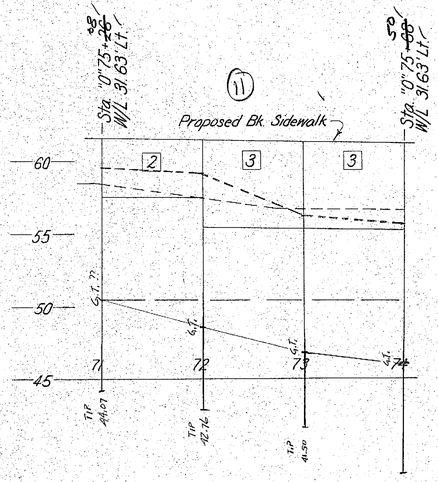
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	DPS-0958(3)	1980	30	64

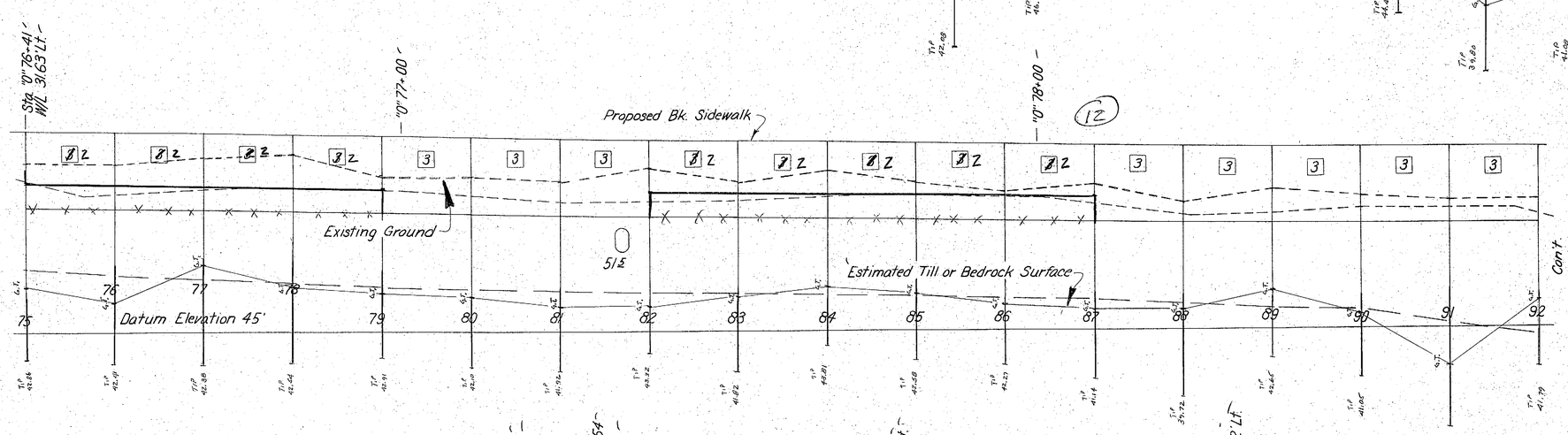
WALL PROFILE, CONT.

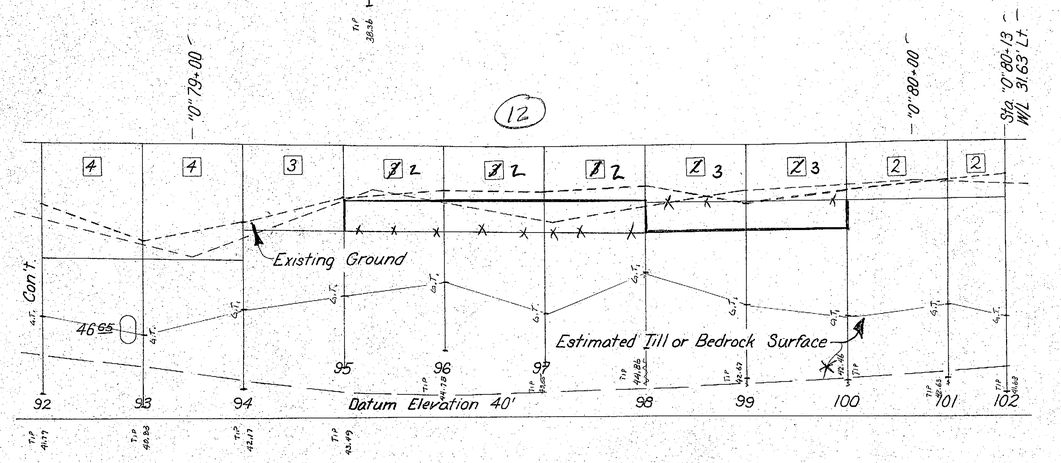


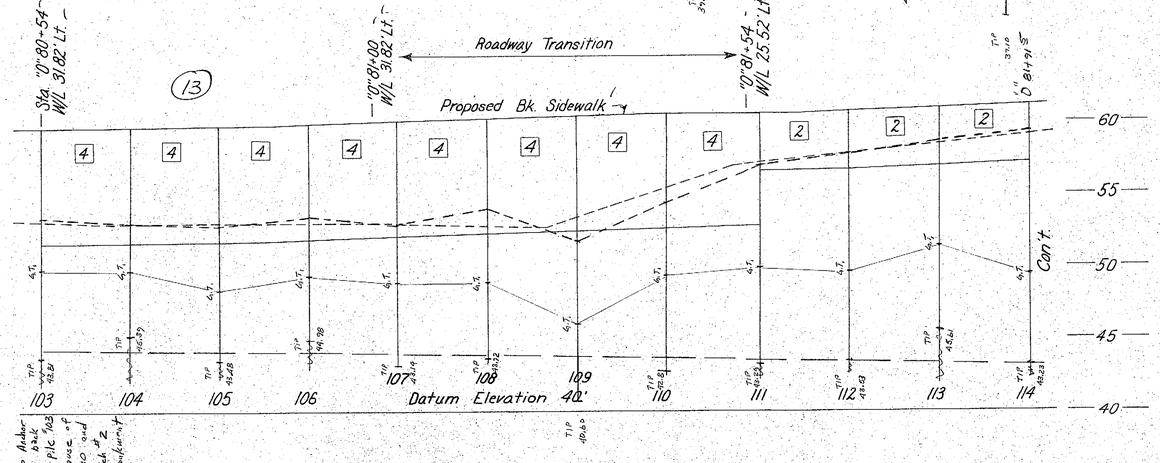










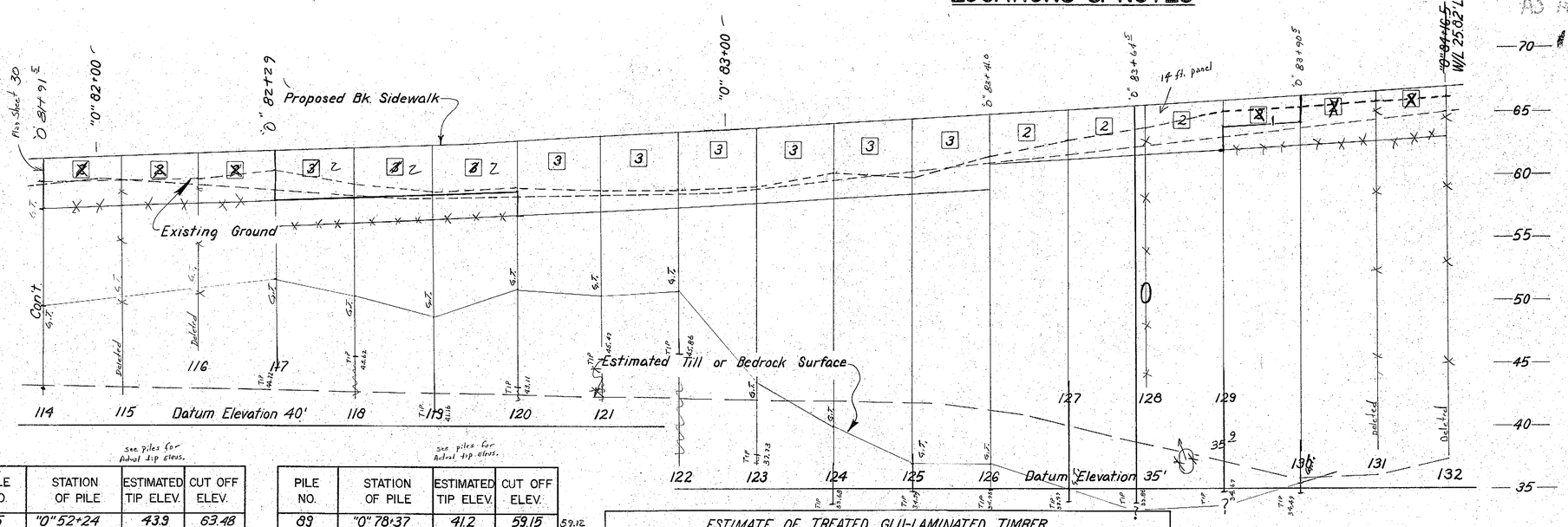


No Anchor Tie back for Pile No's because of S-30 and Bent #2 Embankment

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	DPS-0958(3)	1980	31	64

AS ADVERTISED

WALL PROFILE, CONT.; PILE LOCATIONS & NOTES



see Piles for Actual Tip Elevs.

PILE NO.	STATION OF PILE	ESTIMATED TIP ELEV.	CUT OFF ELEV.	
1	"0" 39+62	38.9	~~55.42~~	55.40
2	"0" 39+76	38.2	~~55.19~~	
3	"0" 39+90	37.5	54.96	
4	"0" 40+04	36.8	54.73	
5	"0" 40+18	36.1	54.51	
6	"0" 40+32	35.4	~~54.29~~	
7	"0" 40+46	34.1	~~54.07~~	
8	"0" 40+60	33.5	~~53.84~~	
9	"0" 40+74	33.3	~~59.78~~	53.60
10	"0" 40+88	33.1	~~53.39~~	
11	"0" 41+02	32.9	~~53.17~~	53.15
12	"0" 41+16	32.7	~~52.94~~	
13	"0" 41+30	32.5	~~52.72~~	52.70
14	"0" 41+44	32.3	52.49	
15	"0" 41+58	32.1	52.25	
16	"0" 41+72	31.9	52.02	
17	"0" 41+86	31.7	51.78	
18	"0" 42+00	31.5	~~51.55~~	
19	"0" 42+14	31.0	~~51.34~~	
20	"0" 42+28	29.5	~~51.16~~	51.18
21	"0" 42+42	29.4	~~51.03~~	50.97
22	"0" 42+52	30.6	~~50.94~~	50.86
22A	"0" 45+21	29.5	~~51.94~~	51.96
22B	"0" 45+35	29.7	52.25	
22C	"0" 45+49	30.0	52.57	
22D	"0" 45+63	30.3	52.90	
22E	"0" 45+77	30.6	53.23	
22F	"0" 46+19	33.6	54.22	
22G	"0" 46+33	34.4	54.55	
22H	"0" 46+47	35.2	54.88	
22I	"0" 46+61	36.0	55.21	
22J	"0" 46+75	36.8	55.54	
23	"0" 46+89.78 ≤	37.5	55.88	
24	"0" 47+03.07 ≤	38.2	~~56.25~~	56.20
25	"0" 47+17.21 ≤	39.0	~~56.66~~	56.51
26	"0" 47+31.35 ≤	40.0	~~56.81~~	56.86
27	"0" 48+73	38.9	~~59.36~~	59.39
28	"0" 48+87	38.5	59.48	
29	"0" 49+01	38.1	59.59	
30	"0" 49+15.12	37.7	59.69	
31	"0" 49+29.24	37.7	59.78	
32	"0" 49+43.40	38.1	59.88	
33	"0" 49+57 ≤ 4	38.3	59.98	
34	"0" 49+71.68	38.0	60.08	
35	"0" 49+85.82	37.8	60.18	
36	"0" 50+72.75	39.5	60.99	
37	"0" 50+86	39.8	61.22	
38	"0" 51+00	40.3	61.45	
39	"0" 51+14	41.6	~~61.68~~	61.66
40	"0" 51+28	42.3	~~61.91~~	61.89
~~41~~	~~"0" 51+68~~	~~43.5~~	~~62.56~~	Delete
~~42~~	~~"0" 51+82~~	~~43.7~~	~~62.79~~	Delete
43	"0" 51+96	43.9	63.02	
44	"0" 52+10	44.0	63.25	

see Piles for Actual Tip Elevs.

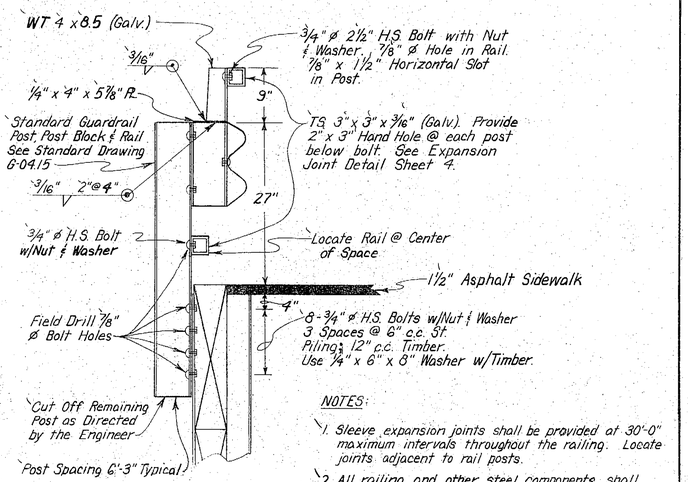
PILE NO.	STATION OF PILE	ESTIMATED TIP ELEV.	CUT OFF ELEV.	
~~45~~	~~"0" 52+24~~	~~43.9~~	~~63.48~~	
~~46~~	~~"0" 52+38~~	~~43.8~~	~~63.71~~	
47	"0" 52+52	44.4	63.94	
~~48~~	~~"0" 52+61~~	~~44.8~~	~~64.09~~	
~~49~~	~~"0" 58+36.37 ≤~~	~~49.5~~	~~70.10~~	70.03
50	"0" 58+48	49.5	~~70.13~~	70.05
51	"0" 58+62	49.5	~~70.17~~	70.09
52	"0" 58+76	49.5	~~70.20~~	70.14
53	"0" 58+90	49.5	~~70.24~~	70.20
54	"0" 60+35	49.6	~~70.33~~	70.92
55	"0" 60+49	49.7	71.00	
56	"0" 60+63	49.9	71.07	
57	"0" 60+77	50.0	71.14	
58	"0" 60+91	50.1	71.21	
59	"0" 61+05	50.2	71.28	
60	"0" 61+19	50.3	71.35	
61	"0" 61+33	49.4	71.42	
62	"0" 61+47	47.8	~~71.43~~	71.48
63	"0" 61+61	46.2	71.56	
64	"0" 61+75	47.1	71.63	
65	"0" 61+89	48.5	71.70	
66	"0" 62+03	49.5	71.76	
67	"0" 69+56	48.4	66.63	
68	"0" 69+70	47.6	66.46	
69	"0" 69+84	47.1	66.29	
70	"0" 69+98	46.5	66.12	
71	"0" 75+26	45.0	~~61.33~~	61.39
72	"0" 75+40	45.0	61.30	
73	"0" 75+54	45.0	61.20	
74	"0" 75+68	45.0	61.10	
75	"0" 76+41	44.5	60.59	
76	"0" 76+55	44.1	60.49	
77	"0" 76+69	43.8	60.39	
78	"0" 76+83	43.4	60.29	
79	"0" 76+97	43.1	60.19	
80	"0" 77+11	42.9	60.09	
81	"0" 77+25	42.8	59.99	
82	"0" 77+39	42.6	59.89	
83	"0" 77+53	42.5	59.79	
84	"0" 77+67	42.4	59.70	
85	"0" 77+81	42.3	59.60	
86	"0" 77+95	42.1	59.50	
87	"0" 78+09	42.0	59.39	
88	"0" 78+23	41.6	59.27	

see Piles for Actual Tip Elevs.

PILE NO.	STATION OF PILE	ESTIMATED TIP ELEV.	CUT OFF ELEV.	
89	"0" 78+37	41.2	~~59.15~~	59.12
90	"0" 78+51	41.0	~~59.03~~	
91	"0" 78+65	39.9	~~58.96~~	58.94
92	"0" 78+79	38.9	~~58.89~~	58.86
93	"0" 78+93	38.2	~~58.83~~	58.80
94	"0" 79+07	37.2	~~58.78~~	58.76
95	"0" 79+21	36.3	~~58.76~~	58.74
96	"0" 79+35	36.2	58.74	
97	"0" 79+49	36.3	~~58.76~~	58.74
98	"0" 79+63	36.4	~~58.80~~	58.78
99	"0" 79+77	36.9	~~58.85~~	58.82
100	"0" 79+91	37.2	~~58.90~~	58.88
101	"0" 80+05	37.6	58.96	
102	"0" 80+13	37.9	59.01	
103	"0" 80+54	38.9	59.25	
104	"0" 80+66.5	38.8	59.32	
105	"0" 80+79	38.7	59.43	
106	"0" 80+91.5	38.6	59.55	
107	"0" 81+04	38.5	59.70	
108	"0" 81+16.5	38.4	59.88	
109	"0" 81+29	38.3	60.08	
110	"0" 81+41.5	38.2	60.30	
111	"0" 81+54	38.1	60.52	
112	"0" 81+66.5	38.0	60.72	
113	"0" 81+79	37.9	60.92	
114	"0" 81+91.5	37.8	61.13	
~~115~~	~~"0" 82+04~~	~~37.7~~	~~61.36~~	Delete
~~116~~	~~"0" 82+16.5~~	~~37.6~~	~~61.57~~	Delete
117	"0" 82+29	37.5	~~61.77~~	61.98
118	"0" 82+41.5	37.4	~~61.98~~	62.16
119	"0" 82+54	37.3	~~62.23~~	62.42
120	"0" 82+66.5	37.2	~~62.50~~	62.68
121	"0" 82+79	37.1	~~62.76~~	62.94
122	"0" 82+91.5	37.0	~~63.02~~	63.20
123	"0" 83+04	36.8	~~63.28~~	63.46
124	"0" 83+16.5	36.7	~~63.56~~	63.76
125	"0" 83+29	36.5	~~63.85~~	64.07
126	"0" 83+41.50	35.1	~~64.15~~	64.40
127	"0" 83+57.3	35.7	~~64.67~~	64.79
128	"0" 83+68.36 ≤	35.6	~~65.1~~	65.21
129	"0" 83+79	36.1	~~65.~~	65.44
130	"0" 83+91.5	36.8	~~66.~~	66.10
~~131~~	~~"0" 84+04~~	~~36.6~~	~~66.~~	Delete
~~132~~	~~"0" 84+16.5~~	~~36.9~~	~~66.03~~	Delete

ESTIMATE OF TREATED GLU-LAMINATED TIMBER

PANEL SIZE	LENGTH REQUIRED	ESTIMATED QUANTITY
3⅛" x 24"	1,745.5 L.F.	129 Panels @ 14' = 1806 L.F.
5⅛" x 24"	2,957.5 L.F.	217 Panels @ 14' = 3,038 L.F.
6¾" x 24"	1,120 L.F.	20 Panels @ 14' / 142 Panels @ 6' = 1,146 L.F.
3⅛" x 24"	70 L.F.	See note Sta. 48+00, 30' Lt.



COMBINATION RAIL DETAIL

Sta. "0" 80+54 LT to Sta. "0" 84+15 LT.

NOTES:

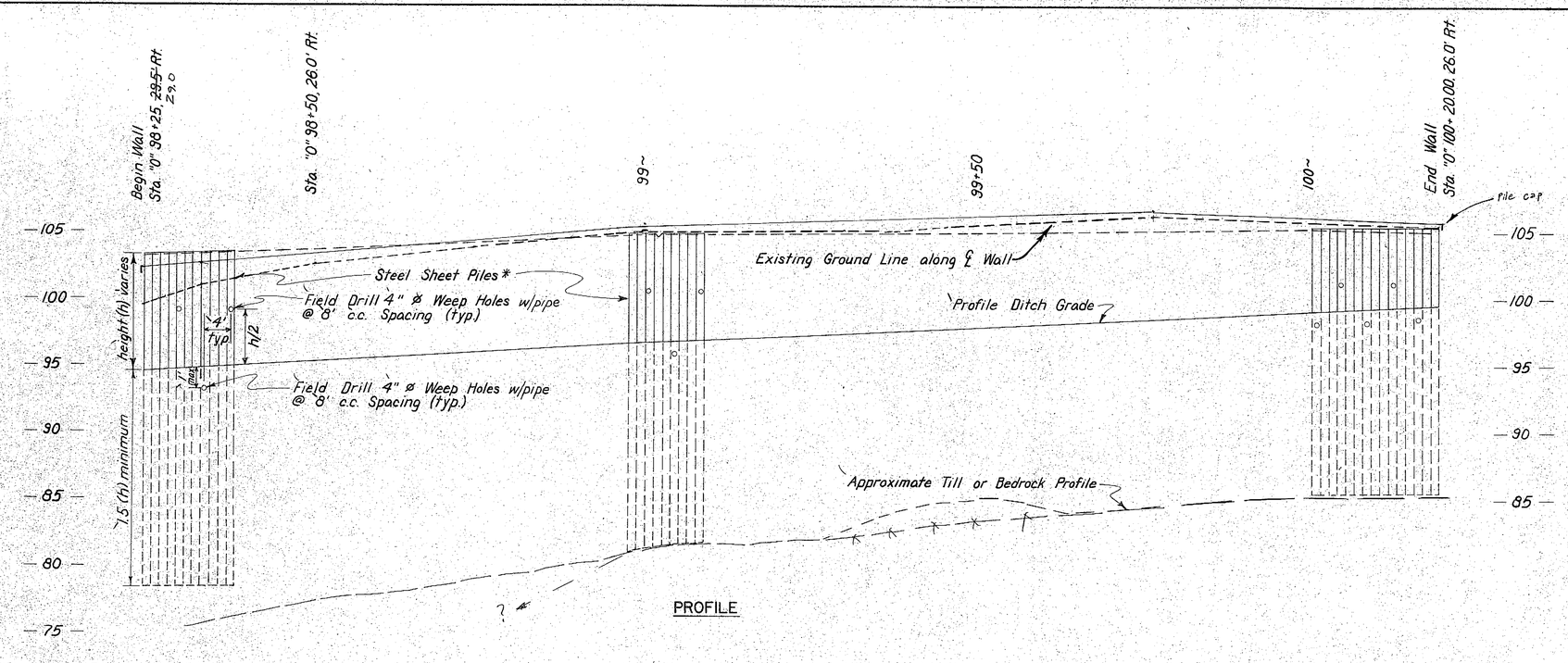
1. Sleeve expansion joints shall be provided at 30'-0" maximum intervals throughout the railing. Locate joints adjacent to rail posts.
2. All railing and other steel components shall be galvanized after fabrication.
3. Utilize existing guardrail, posts, post blocks and miscellaneous hardware for this detail.
4. All work and materials shall conform to section 507 of the Standard Specifications.
5. All work and materials required for the combination rail shall be paid for under bid Item 606(3), Removal & Reconstruction of Guardrail, and no separate payment shall be made therefore.

SOLDIER PILE RETAINING WALL NOTES

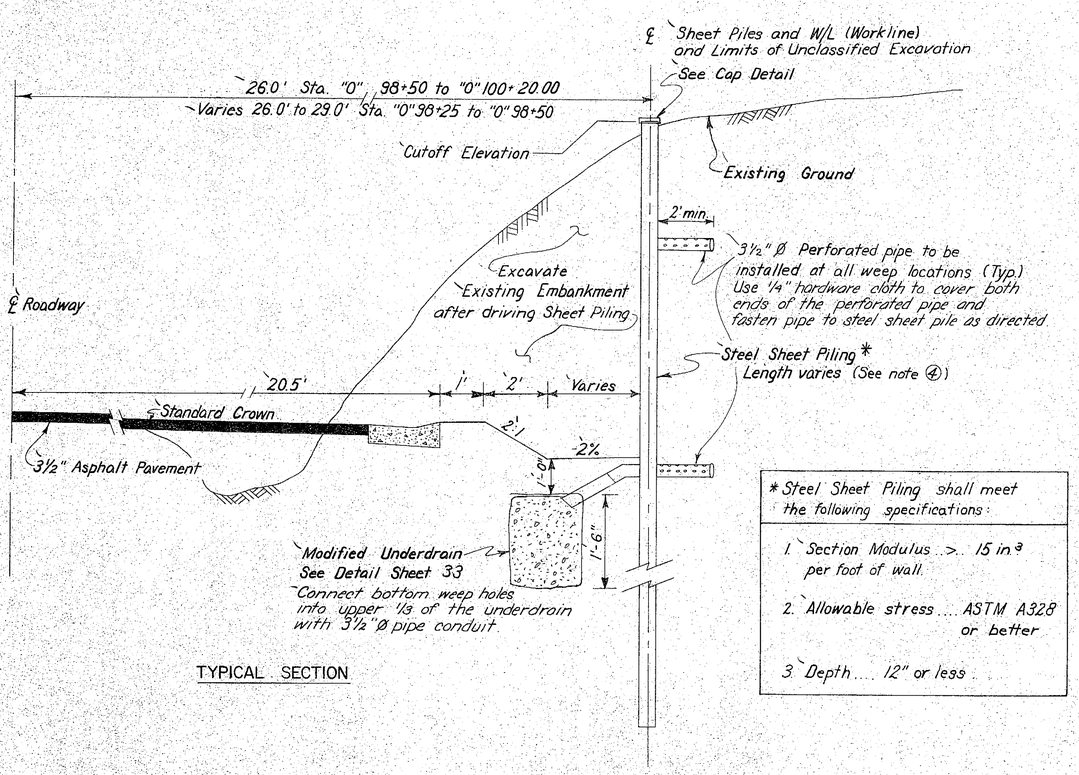
1. All pile locations shown are approximate and may require field adjustment.
2. Profiles of the existing ground and till surface are approximate. Profile is taken along the back of sidewalk.
3. All structural steel shall be A36 grade. All anchor rods and associated hardware shall be galvanized.
4. Class 'S' concrete used to backfill around the piling shall be considered incidental to Item 505(11A) or (11B) "Structural Steel Piles, Furnished and Prebored" and no separate payment shall be made therefore.
5. [2], [3], etc. indicate the estimated number of Glu-Lam panels between piling.
6. Approved precast concrete anchors may be used in lieu of the treated Glu-Lam anchors. All Anchor Rods shall be placed on a horizontal plane beneath the roadway normal to the steel piling.
7. Structural Glued Laminated Timber shall meet combination 3' or better for Allowable Unit Stress.
8. No Backfill shall be placed against the wall until the anchor system is completed for the area involved.
9. All excavation required to construct the soldier pile retaining wall shall be considered incidental to Item 505(11A) or (11B) Structural Steel Piling, Furnished and Prebored, and no separate payment shall be made therefore.
10. The estimated depth to the dense glacial till or bedrock at the wall location was determined from interpretation of the boring made above the wall along the existing roadway. The actual depth to the dense glacial till or bedrock may vary due to local variations in the depth and/or inclination of the dense glacial till or bedrock surface.
11. Benching of the fill along the Retaining Wall will not be required.

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	DPS-0958 (3)	1980	32	64

SHEET PILE RETAINING WALL



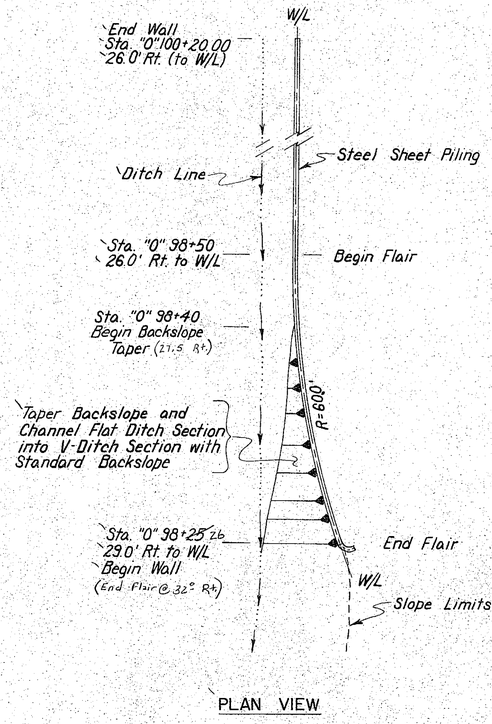
PROFILE



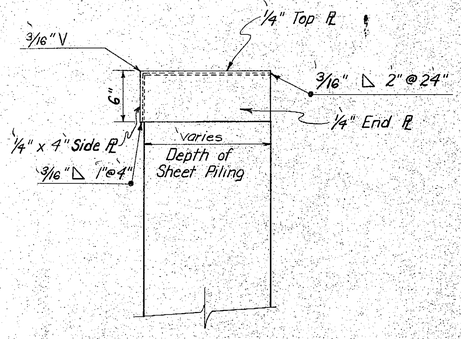
TYPICAL SECTION

* Steel Sheet Piling shall meet the following specifications:

1. Section Modulus ... >.. 15 in.³ per foot of wall.
2. Allowable stress .... ASTM A328 or better
3. Depth .... 12" or less.



PLAN VIEW



CAP DETAIL

NOTES:

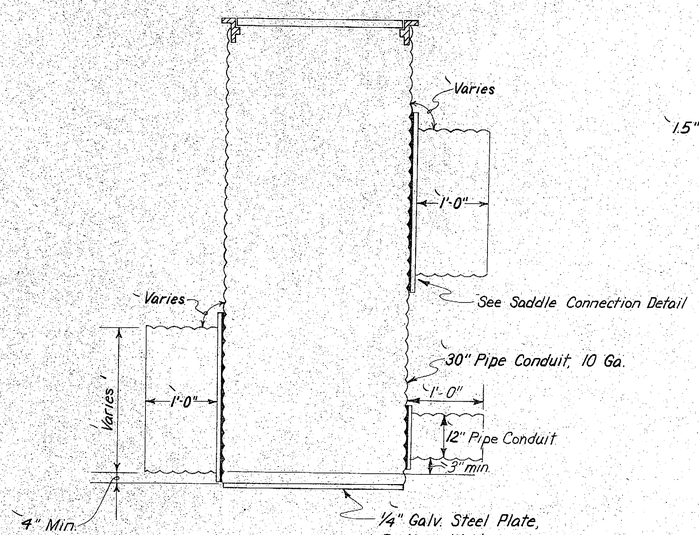
1. Profiles of the existing ground and till surface are approximate.
2. All excavation required will be paid for as unclassified excavation. All other work involved will be considered incidental to Bid Item 505(8A) or (8B) "Structural Steel Sheet Piles, Furnished and Driven," and no separate payment shall be made therefore.
3. The existing ground profile will be the control for the sheet piling cutoff elevations. Elevation differences between adjacent piling shall be less than one quarter inch.
4. Piling will be driven 25'-0" in length from Sta. "0" 98+25 to Sta. "0" 99+50 and 20'-0" in length from Sta. "0" 99+50 to Sta. "0" 100+20 or to practical refusal as determined by the engineer, whichever occurs first.
5. Weep holes shall be drilled near the ℄ of sheet piling on a surface normal to the roadway surface. Perforated pipe shall be cleaned out after installation.
6. Estimate of quantities was based on the approximate till or bedrock profile.

AS ADVERTISED

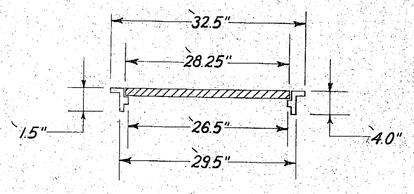
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	DPS-0958 (3)	1980	33	64

FIELD INLET DETAILS

30" FIELD INLET

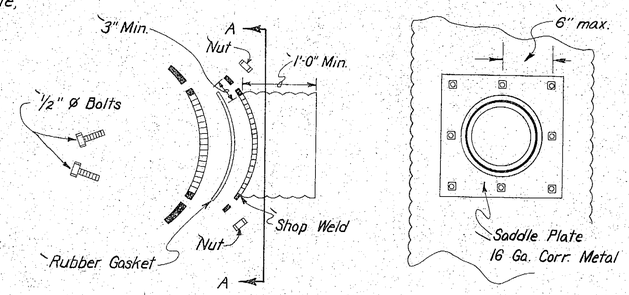


FIELD INLET FRAME & SOLID LID DETAIL



Note:
Frame & Solid Lid shall weigh a minimum of 235 lbs.

SADDLE CONNECTION DETAIL



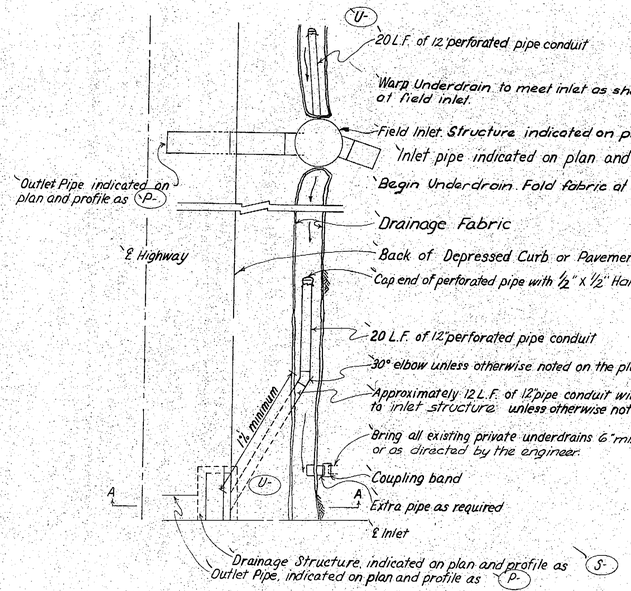
ELEVATION

Section A-A

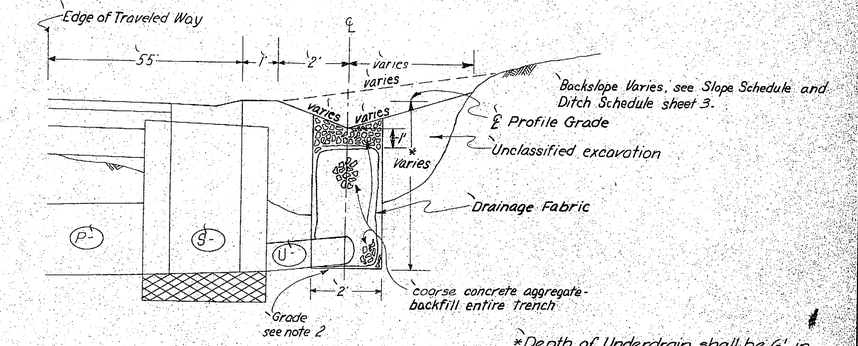
NOTES:

1. See Drainage Details for locations of field inlets, elevations, and stub-out locations.
2. The rubber gasket used in the saddle connection shall conform to section 705-2.05 of the Standard Specifications.

DRAINAGE DETAILS



PLAN VIEW



SECTION A-A

1. U- Indicates installation of Modified Underdrain Outfalls. See drainage detail sheets for locations.
2. Finished centerline elevations will be used to establish grade for the Underdrain except at Underdrain outfall.
3. All labor and material required to bring existing private underdrains into the modified underdrain shall be considered incidental to pay Item 605, Modified Underdrain, and no separate payment shall be made therefore.
4. All penetrations through the fabric shall be epoxy sealed as directed by the engineer.

*Depth of Underdrain shall be 6' in all areas except between the following stations.

		Depth
1.	"0" 96+60 - "0" 101+50	3'-6"
2.	"0" 103+65 - "0" 105+34	5'-0"
3.	"0" 113+34 - "0" 117+11	4'-3"

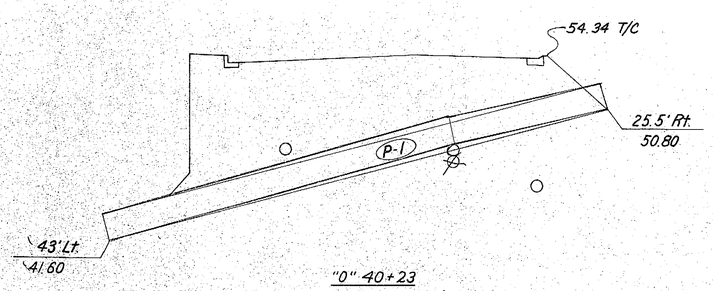
When culvert pipes are in conflict with the underdrain, the underdrain depth shall vary to allow pipe installation, holding bottom profile grade of underdrain.

MODIFIED UNDERDRAIN DETAILS

AS ADVERTISED

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	DPS-0958(3)	1980	34	64

DRAINAGE DETAILS



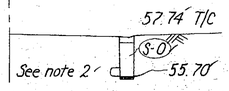
"0" 40+23

INLET SUMMARY

Structure	Type	Location	Offset Left	Offset Right	Top Curb Elev.	Invert Elev.	
S-1	"B" Curb	"0" 40+~~83.60~~ 80.60		17'	53.37	~~46.00~~ 47.00	
S-2	"B" Curb	"0" 42+39	26'		51.03	~~35.00~~ 37.50	
S-3	"B" Curb	"0" 42+60		17'	50.93	~~41.00~~ 42.00	
S-4	"B" Curb	"0" 43+18		17'	51.29	44.50	
S-5	"B" Curb	"0" 43+23	26'		50.71	45.66	
S-0	"B" Curb	"0" 37+42		17'	57.74	55.70	

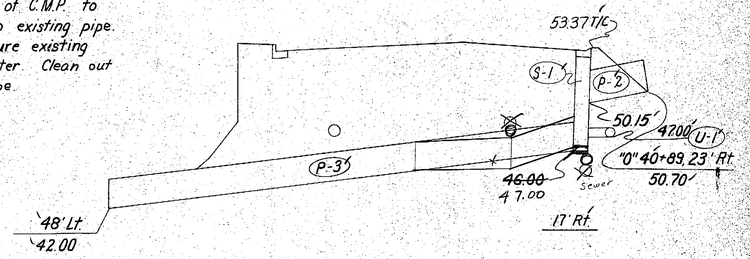
PIPE SUMMARY

Pipe	Dia.	Length	From Struc./Sta.	From Elev.	To Struc./Sta.	To Elev.	
P-1	24"	70'	"0" 40+23, 25.5' Rt.	50.80	"0" 40+23, 43' Lt.	41.60	
P-2	24"	~~10'~~ 7.5	"0" 40+89, 23' Rt.	50.70	S-1	50.15	
P-3	24"	65'	S-1	46.00	"0" 40+83.60, 48' Lt.	42.00	
P-4	36"	14'	S-2 37	~~35.00~~ 37.50	"0" 42+39, 39' Lt.	33.50	
P-5	36"	~~46'~~ 48	S-3 42	~~41.00~~ 42.00	S-2	~~37.50~~ 40.00	
P-6	36"	14'	"0" 42+60, 30' Rt. 43	~~45.18~~ 47.00	S-3	~~44.75~~ 47.00	
P-7	24"	84'	S-5	45.66	S-2	~~44.82~~ 43.32	
P-8A	36"	~~56'~~ 58	S-4	44.50	S-3	~~44.00~~ 44.20	
P-8B	36"	~~8'~~ 23	Match Exist.		S-4	~~44.60~~	
P-9	24"	~~50'~~ 54	"0" 43+56 40.25' Rt.	47.96	S-5	~~46.51~~	

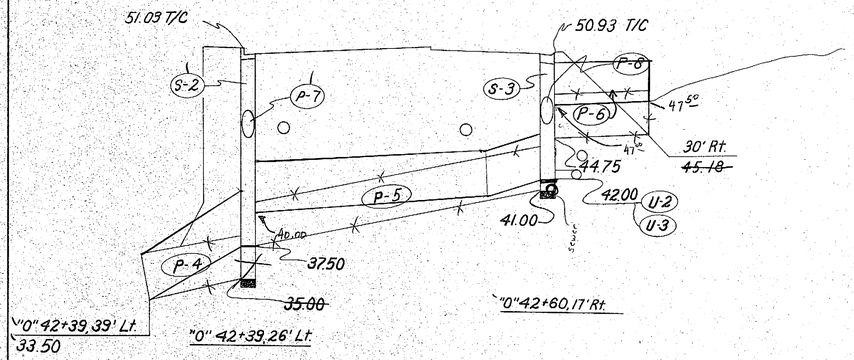


"0" 37+42, 17' Rt.

Install 10' of C.M.P. to match into existing pipe. Field measure existing pipe diameter. Clean out existing pipe.

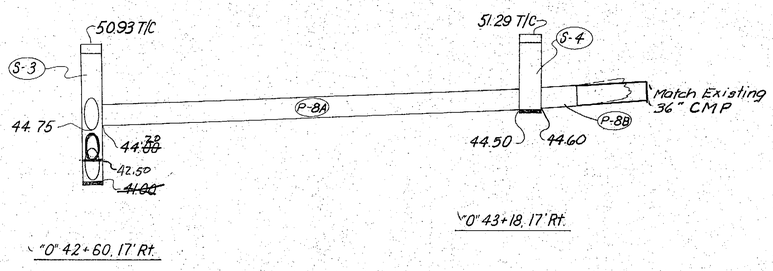


"0" 40+83.60



"0" 42+39, 26' Lt.

"0" 42+60, 17' Rt.



"0" 42+60, 17' Rt.

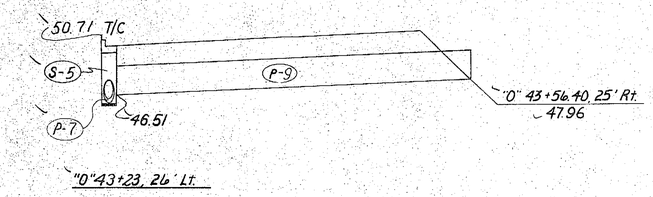
"0" 43+18, 17' Rt.

"0" 42+39, 26' Lt.

"0" 43+23, 26' Lt.

DRAINAGE GENERAL NOTES

1. Curb inlet offsets are shown to face of curb. All Field Inlet offsets are shown to centerline of inlet.
2. Field connection and cleanout of existing pipe shall be considered incidental to the structure involved.
3. Standard curb inlet grates shall conform to the design pattern G3R as shown on the Std. Drw. D23.01. The depressed curb inlet grates shall have diagonal pattern and be approved by the engineer.



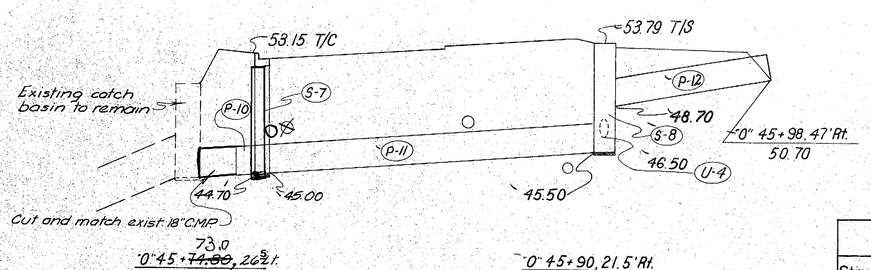
"0" 43+56 40.25' Rt.
47.96

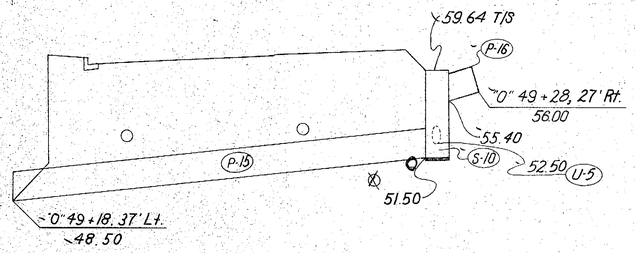
"0" 43+23, 26' Lt.

AS ADVERTISED

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	DPS-0958 (3)	1980	35	64

DRAINAGE DETAILS



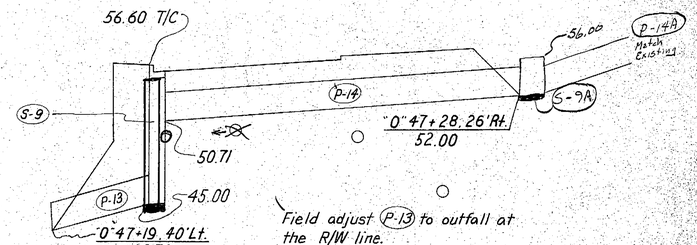


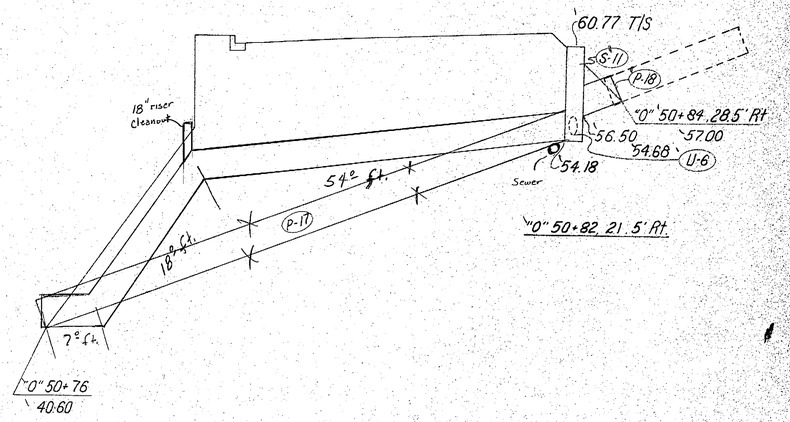
INLET SUMMARY

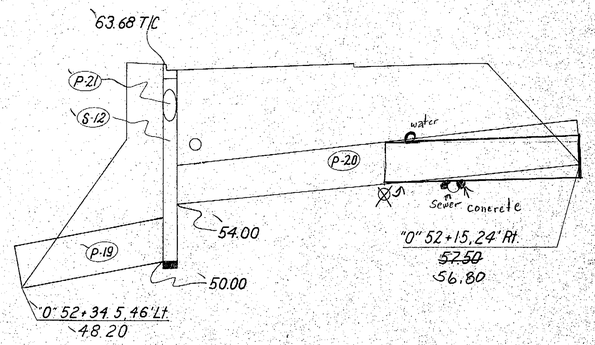
Structure	Type	Location	Offset Left	Offset Right	Top Curb Elev.	Invert Elev.
S-7	"B" Curb	"0" 45+74.8 73°	26.5		53.15	44.70
S-8	Field	"0" 45+90		21.5'	53.79	45.50
S-9	"B" Curb	"0" 47+19	26.5 27.5		56.60	45.00
S-10	Field	"0" 49+24.28		21.5'	59.64	51.50
S-11	Field	"0" 50+82		21.5'	60.77	54.18
S-12	"B" Curb	"0" 52+34.5	26'		63.68	50.00

PIPE SUMMARY

Pipe	Dia.	Length	From Struc./Stat.	From Elev.	To Struc./Stat.	To Elev.
P-11	18"	48.50	S-8	45.50	S-7	45.00
P-12	18"	24.26	"0" 45+98.47'Rt.	50.70	S-8	48.70
P-13	24"	14.8	S-9	45.00	"0" 47+19.40'Lt.	43.70
P-14	24"	52'	"0" 47+28.26'Rt.	52.00	S-9	50.71
P-15	24"	58.60	S-10	51.50	"0" 49+18.37'Lt.	48.50
P-16	24"	6'-7	"0" 49+28.27'Rt.	56.00	S-10	55.40
P-17	24"	78.79	S-11	54.18	"0" 50+76.51'Lt.	40.60
P-18	24"	6'	"0" 50+84.28.5'Rt.	57.00	S-11	56.50
P-19	36"	20'	S-12	50.00	"0" 52+34.5.46'Lt.	48.20
P-20	36"	58.53	"0" 52+15.24'Rt.	57.50 56.80	S-12	54.00
P-10	18"	∠ 10°	S-7	44.70	Match Exist.	



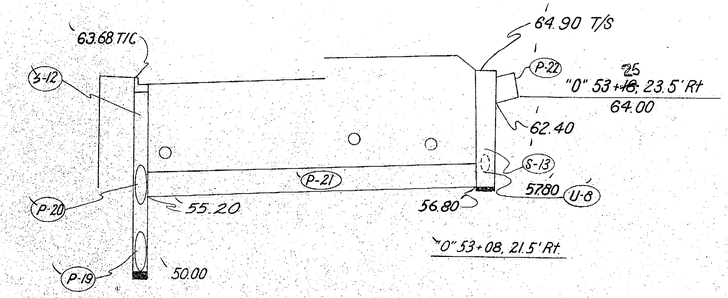


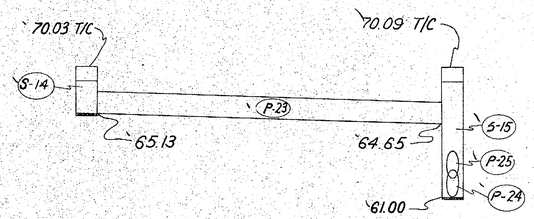


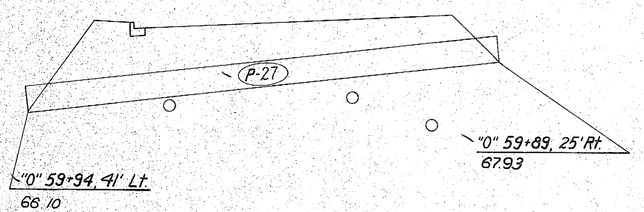
AS ADVERTISED

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	DPS-0958 (3)	1980	36	64

DRAINAGE DETAILS





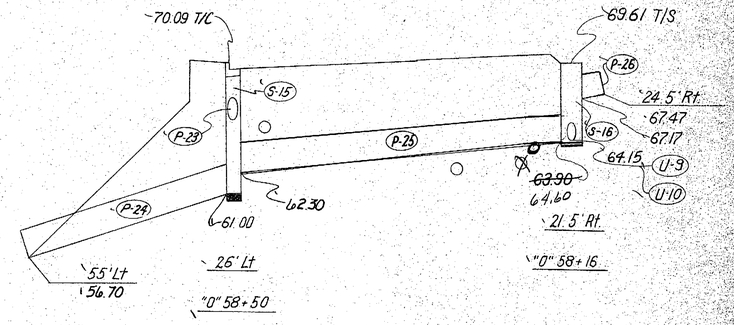


INLET SUMMARY

Structure	Type	Location	Offset Left	Offset Right	Top Curb Elev.	Invert Elev.
S-12	"B" Curb	"0" 52+34.5	26'		63.68	50.00
S-13	Field	"0" 53+~~08~~ 25		21.5'	64.90	56.80
S-14	"B" Curb	"0" 58+~~18~~ 20	26'		70.03	65.13
S-15	"B" Curb	"0" 58+50	26'		70.09	61.00
S-16	Field	"0" 58+16		21.5'	69.61	~~63.90~~ 64.60

PIPE SUMMARY

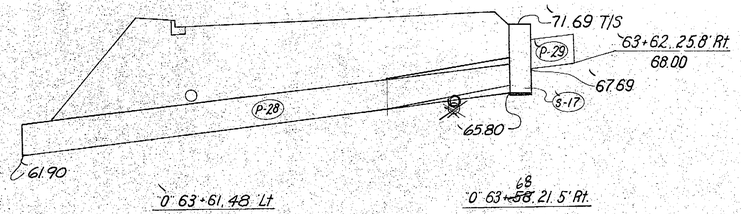
Pipe	Dia.	Length	From Struc. / Sta.	From Elev.	To Struc. / Sta.	To Elev.
P-21	24"	~~25~~ 108	S-13	56.80	S-12	55.20
P-22	24"	~~8~~ 14	"0" 53+16, 23.5' Rt	64.00	S-13	62.40
P-23	18"	~~48~~ 30	S-14	65.13	S-15	64.13
P-24	24"	~~30~~ 28	S-15	61.00	"0" 58+50, 55' Lt.	56.70
P-25	24"	~~58~~ 59	S-16	63.90	S-15	62.30
P-26	24"	~~4~~ 6	"0" 58+16, 24.5' Rt	67.47	S-16	67.17
P-27	24"	~~68~~ 67	"0" 59+89, 25' Rt.	67.93	"0" 59+94, 41' Lt.	66.10



AS ADVERTISED

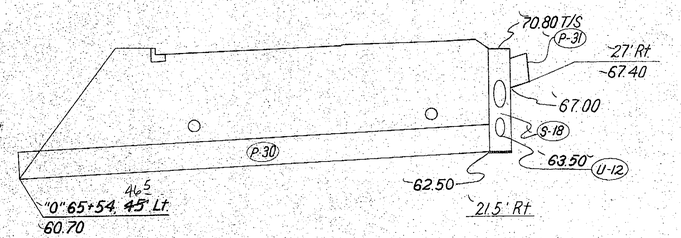
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	DPS-0958 (3)	1980	37	64

DRAINAGE DETAILS



"0" 63+61.48' Lt

"0" 63+~~58~~ 68, 21.5' Rt



"0" 65+54.~~45~~ 46.5' Lt
60.70

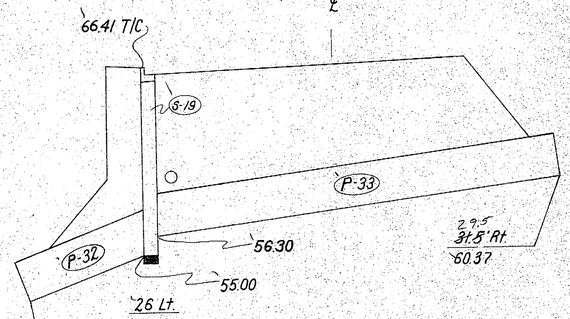
"0" 65+44

INLET SUMMARY

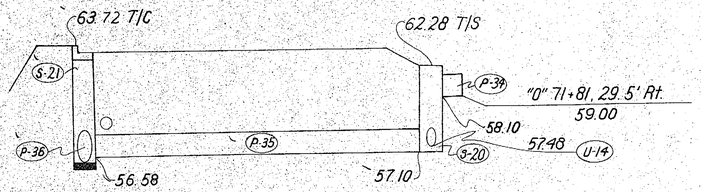
Structure	Type	Location	Offset Left	Offset Right	Top Curb Elev.	Invert Elev.
S-17	Field	"0" 63+~~58~~ 68		21.5'	71.69	65.80
S-18	Field	"0" 65+44		21.5'	70.80	62.50
S-19	"B" Curb	"0" 69+75.6	26'		66.41	55.00
S-20	Field	"0" 71+82		24'	62.28	57.10
S-21	"B" Curb	"0" 72+00	26'		63.72	56.58
S-22	"B" Curb	"0" 74+00	26'		62.31	54.42

PIPE SUMMARY

Pipe	Dia.	Length	From Struc./Station	From Elev.	To Struc./Station	To Elev.
P-28	24"	70.75'	S-17	65.80	"0" 63+61.48' Lt	61.90
P-29	24"	6'	"0" 63+64.25.8' Rt	68.00	S-17	67.89
P-30	24"	66.67'	S-18	62.50	"0" 65+54.~~45~~ 46.5' Lt	60.70
P-31	24"/18"	4'	"0" 65+44, 27' Rt	67.40	S-18	67.00
P-32	36"	20'	S-19	55.00	"0" 69+75.6, 46' Lt	52.00
P-33	36"	58.56'	"0" 69+75.6, ~~27.5~~ 29.5' Rt	60.37	S-19	56.30
P-34	18"	4'	"0" 71+81, 29.5' Rt	59.00	S-20	58.10
P-35	18"	50.51'	S-20	57.10	S-21	56.58
P-36	18"	198'	S-21	56.50	S-22	~~54.50~~ 54.00

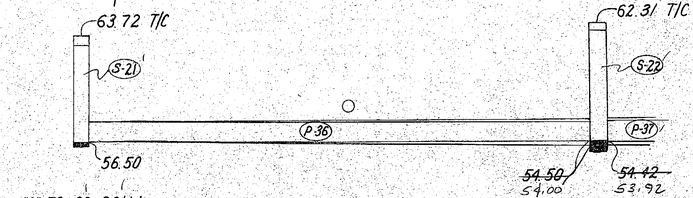


"0" 69+75.6



"0" 72+00, 26' Lt.

"0" 71+82, 24' Rt.



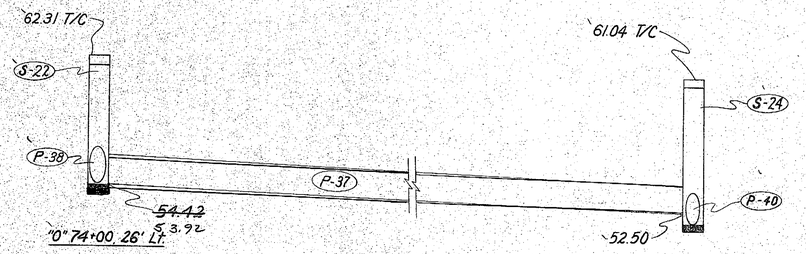
"0" 72+00, 26' Lt.

"0" 74+00, 26' Lt.

AS ADVERTISED

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	DPS-0958 (3)	1980	38	64

DRAINAGE DETAILS



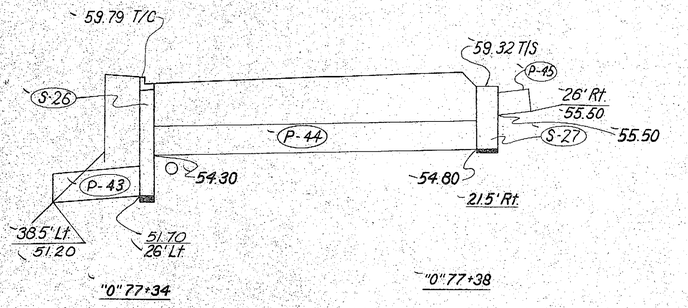
"0" 75+79, 26' Lt.

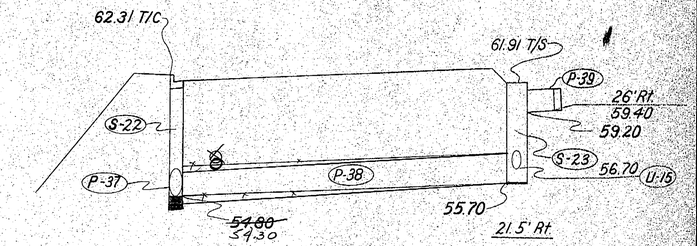
INLET SUMMARY

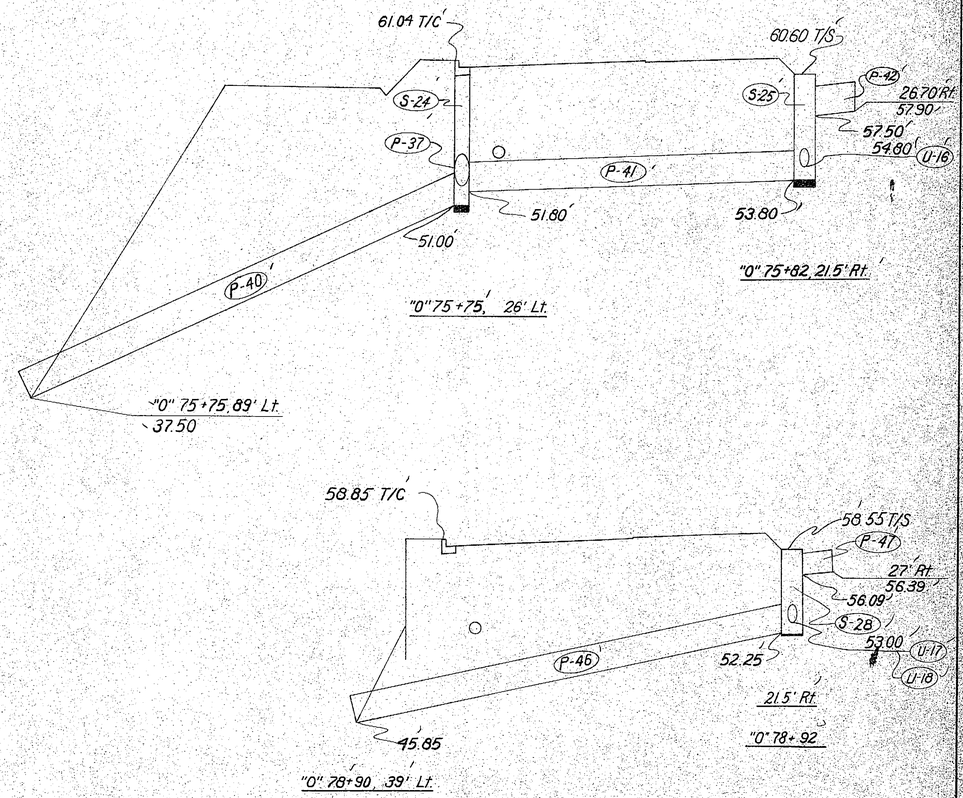
Structure	Type	Location	Offset Left	Offset Right	Top Curb Elev.	Invert Elev.
S-23	Field	"0" 73+97		21.5'	61.91	55.70
S-24	"B" Curb	"0" 75+75	26'		61.04	51.00
S-25	Field	"0" 75+82		21.5'	60.60	53.80
S-26	"B" Curb	"0" 77+34	26'		59.79	51.70
S-27	Field	"0" 77+38		21.5'	59.32	54.80
S-28	Field	"0" 78+92		21.5'	58.55	52.25

PIPE SUMMARY

Pipe	Dia.	Length	From Struc./Sta.	From Elev.	To Struc./Sta.	To Elev.
P-37	24"	176'	S-22	54.42 ≤3.92	S-24	52.50
P-38	24"	44'	S-23	55.70	S-22	54.80 ≤3.30
P-39	24"	4' ≤	"0" 73+97, 26' Rt.	59.40	S-23	59.20
P-40	24"	64' 61	"0" 75+75, 26' Lt.	51.00	"0" 75+75, 89' Lt.	37.50
P-41	24"	48'	S-25	53.80	S-23	51.80
P-42	24"	8' 7	"0" 75+82, 26.7' Rt.	57.90	S-25	57.50
P-43	24"	12'	S-26	51.70	"0" 77+34, 38.5' Lt.	51.20
P-44	24"	46'	S-27	54.80	S-26	54.30
P-45	24"	8' 8	"0" 77+38, 26' Rt.	55.50	S-27	55.50
P-46	24"	62'	S-28	52.25	"0" 78+90, 39' Lt.	45.85
P-47	24"	4'	"0" 78+92, 27' Rt.	56.39	S-28	56.09



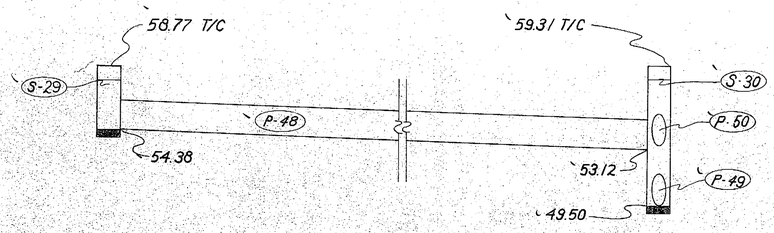




AS ADVERTISED

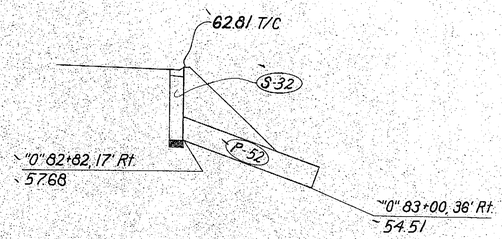
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	DPS-0958(3)	1980	39	64

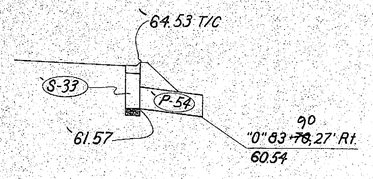
DRAINAGE DETAILS



"0" 79+32.1, 26' Lt.

"0" 80+59, 26' Lt.





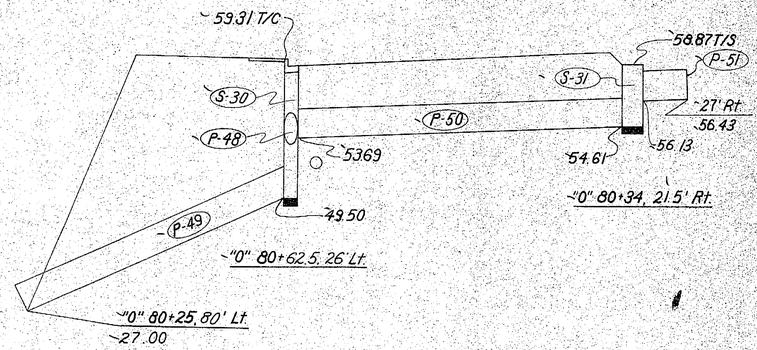
84+00
"0" 83+75, 17.2' Rt.

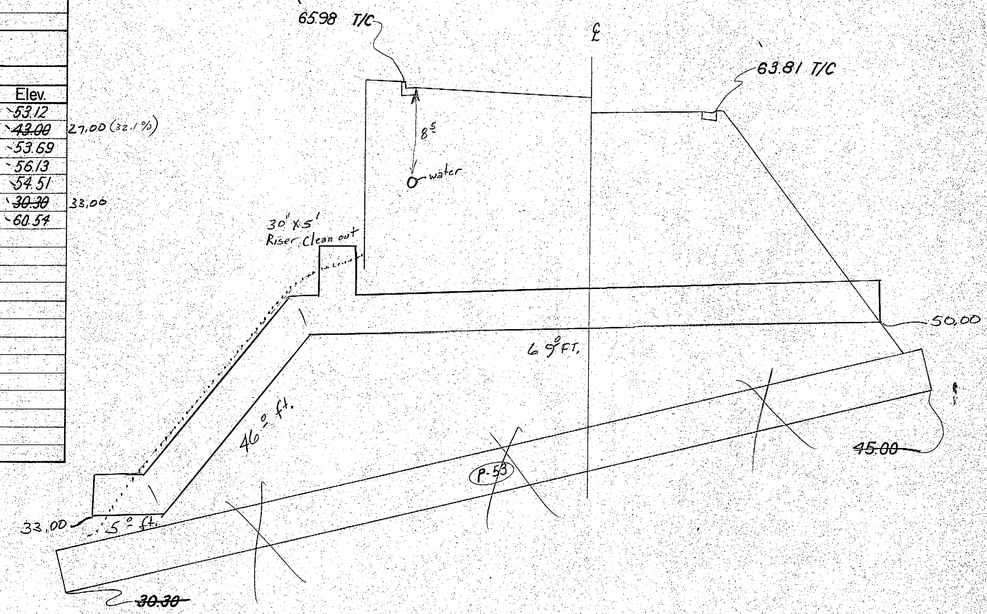
INLET SUMMARY

Structure	Type	Location	Offset Left	Offset Right	Top Curb Elev.	Invert Elev.
S-29	"B" Curb	"0" 79+32.1	26'		58.77	54.38
S-30	"B" Curb	"0" 80+62.5	26'		59.31	49.50
S-31	Field	"0" 80+34		21.5'	58.87	54.61
S-32	"B" Curb	"0" 82+82		17'	62.81	57.68
S-33	"B" Curb	~~"0" 83+75~~ 84+00		17.2'	64.53	~~61.57~~ 61.71

PIPE SUMMARY

Pipe	Dia.	Length	From Struc./Sta.	From Elev.	To Struc./Sta.	To Elev.
P-48	~~24"~~ 18"	~~128'~~ 129'	S-29	54.38	S-30	53.12
P-49	24"	~~70'~~ 75'	S-30	49.50	"0" 80+25.80' Lt.	~~43.00~~ 27.00 (32.1%)
P-50	24"	~~54'~~ 52'	S-31	54.61	S-30	53.69
P-51	24"	~~4'~~ 5'	"0" 80+34, 21.5' Rt.	56.43	S-31	56.13
P-52	18"	26'	S-32	57.68	"0" 83+00, 36' Rt.	54.51
P-53	~~36"~~ 30"	~~128'~~ 120'	"0" 83+45.6, 48.2' Rt.	~~50.00~~ 45.00	"0" 83+87.1, 70' Lt.	~~30.30~~ 33.00
P-54	18"	~~12'~~ 10'	S-33	61.54	"0" 83.70, 27' Rt.	60.54





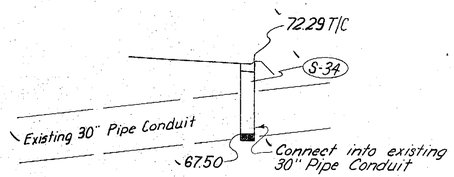
"0" 83+87.1, 72 Lt.

"0" 83+45.6, 48.2' Rt.

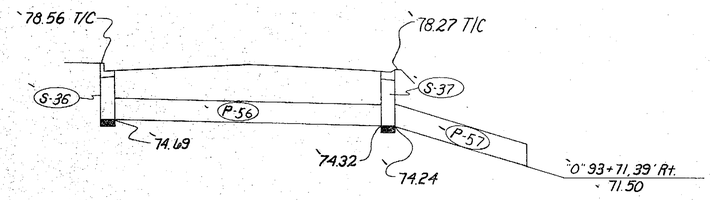
AS ADVERTISED

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	DPS-0958 (3)	1980	40	64

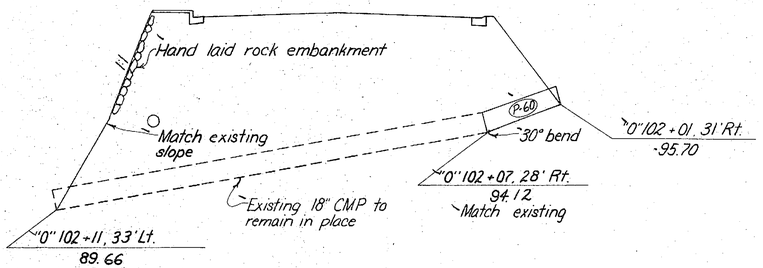
DRAINAGE DETAILS



"0" 86+40, 18.7 Rt.



20' Lt. "0" 93+71 20' Rt.

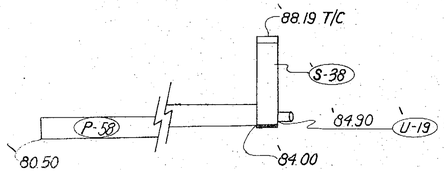


INLET SUMMARY

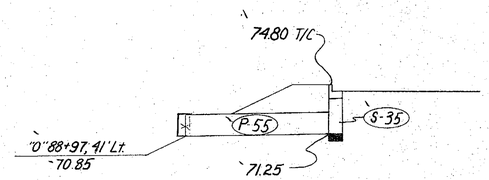
Structure	Type	Location	Offset Left	Offset Right	Top Curb Elev.	Invert Elev.
S-34	"B" Curb	"0" 86+40		18.7'	72.29	67.50
S-35	"B" Curb	"0" ~~88+95~~ 89+40	20'		74.80	71.25
S-36	"B" Curb	"0" 93+71	20'		78.56	74.69
S-37	"B" Curb	"0" 93+71		20'	78.27	74.24
S-38	"B" Curb	"0" 96+52		20'	88.19	84.00
S-39	"B" Curb	"0" 98+20	20'		95.26	92.38
S-40	"B" Curb	"0" 103+72	~~20'~~ 19		100.50	89.50
S-41	"B" Curb	"0" 103+74		20'	100.33	93.55

PIPE SUMMARY

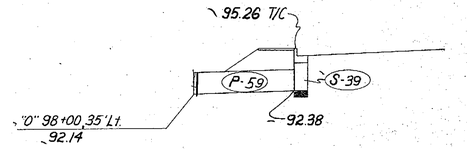
Pipe	Dia.	Length	From Struc./Sta.	From Elev.	To Struc./Sta.	To Elev.
P-55	18"	~~28'25~~	S-35	71.25	"0" 88+97.41' Lt.	70.85
P-56	18"	~~28'39~~	S-36	74.69	S-37	74.32
P-57	18"	28'21	S-37	74.24	"0" 93+71.39' Rt.	71.50
P-58	18"	~~56'54~~	S-38	84.00	"0" 96+00.27' Rt.	80.50
P-59	18"	~~26'25~~	S-39	92.38	"0" 98+00.35' Lt.	92.14
P-60	18"	~~12'14~~	"0" 102+01.31' Rt.	95.70	"0" 102+07.28' Rt.	94.12
P-62	18"	~~42'39~~	S-41	93.55	S-40	92.55
P-63	18"	~~18'9~~	"0" 103+72.28.5' Rt.	94.80	S-41	94.50
P-62A	18"	22	S-40	90.50	"0" 103+72, 41' Lt.	89.22



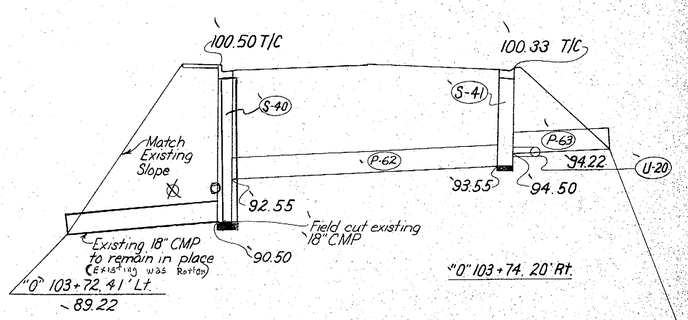
"0" 96+00, 27' Rt. "0" 96+52, 20' Rt.



"0" 88+95, 20' Lt.



"0" 98+20, 20' Lt.



"0" 103+74.20' Rt.

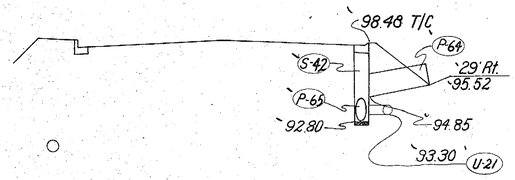
"0" 103+72, 20' Lt. Match Existing

"0" 103+72.28.5' Rt. 94.80

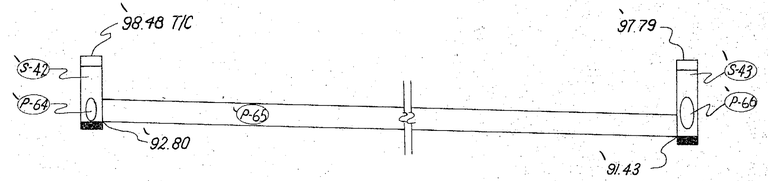
AS ADVERTISED

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	DPS-0958 (3)	1980	41	64

DRAINAGE DETAILS

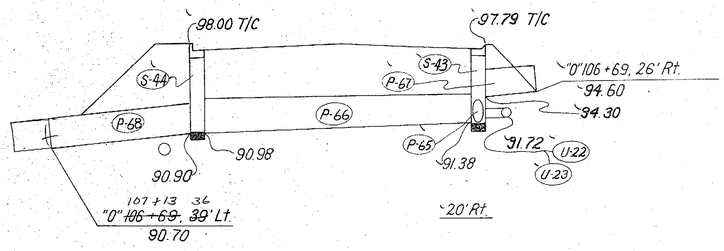


"0" 105 + 34



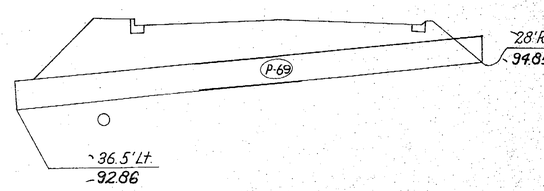
"0" 105 + 34, 20' Rt.

"0" 106 + 72.59, 20' Rt.



20' Lt.

"0" 106 + 72.59



"0" 107 + 54.20

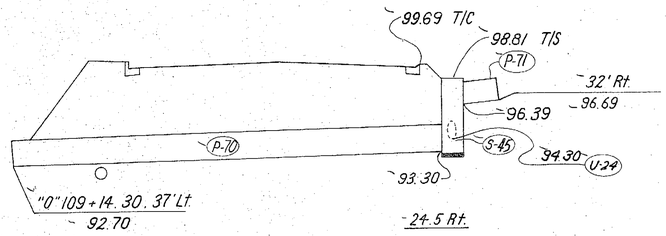
INLET SUMMARY

Structure	Type	Location	Offset Left	Offset Right	Top Curb Elev.	Invert Elev.
S-42	"B" Curb	"0" 105 + 34		20'	98.48	92.80
S-43	"B" Curb	"0" 106 + 72.59		20'	97.79	91.38
S-44	"B" Curb	"0" 106 + ~~72.59~~ 77	20'		98.00	90.90
S-45	Field	"0" 109 + 14.30		24.5'	98.81	93.30
S-46	"B" Curb	"0" 111 + 34.20		24.5'	102.34	96.05

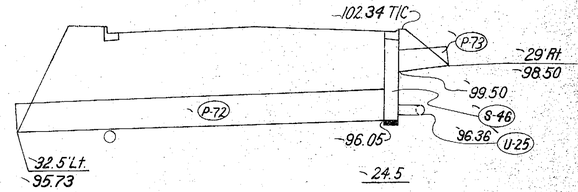
PIPE SUMMARY

Pipe	Dia.	Length	From Struc./Station	From Elev.	To Struc./Station	To Elev.
P-64	18"	8'	"0" 105 + 34, 29' Rt.	95.52	S-42	94.85
P-65	18"	140'	S-42	92.80	S-43	91.43
P-66	24"	38'	S-43	91.38	S-44	90.98
P-67	24"	8'	"0" 106 + 69, 26' Rt.	94.60	S-43	94.30
P-68	24"	~~20~~ 43	S-44	90.90	"0" 106 + ~~69~~ 39' Lt.	90.70
P-69	24"	~~64~~ 77	"0" 107 + ~~54.20~~ 28, 28' Rt.	94.85	"0" 107 + ~~54.20~~ 36.5' Lt.	92.86
P-70	24"	62'	S-45	93.30	"0" 109 + 14.30, 37' Lt.	92.70
P-71	24"	6'	"0" 109 + 14.30, 32' Rt.	96.69	S-45	96.39
P-72	24"	50'	S-46	96.05	"0" 111 + 34.20, 32.5' Lt.	95.73
P-73	24"	8'	"0" 111 + 34.20, 29' Rt.	98.50	S-46	99.50

"0" 107 + 13, 36° Lt.
"0" 108 + 15, 28° Rt.



"0" 109 + 14.30

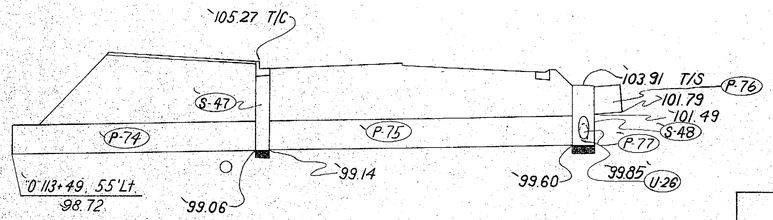


"0" 111 + 34.20

AS ADVERTISED

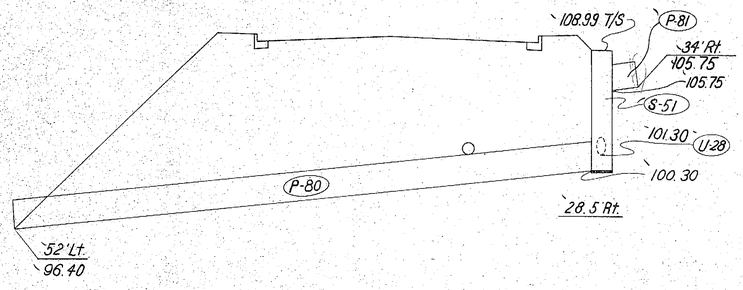
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	DPS-0958 (3)	1980	42	64

DRAINAGE DETAILS



0" 113+49, 20' Lt.

0" 113+34, 30' Rt.



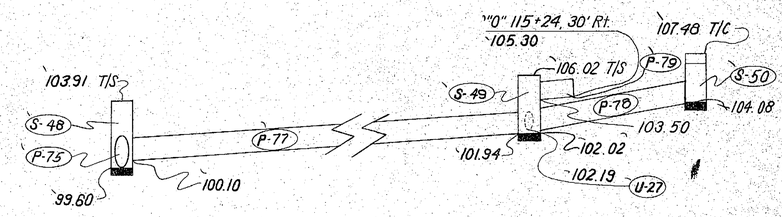
0" 117+11

INLET SUMMARY

Structure	Type	Location	Offset Left	Offset Right	Top Curb Elev.	Invert Elev.
S-47	8" Curb	0" 113+49	~ 20'		105.27	99.06
S-48	Field	0" 113+34		~30'	103.91	~ 99.60
S-49	Field	0" 115+20		~29.5'	106.02	101.94
S-50	8" Curb	0" 115+27		~20'	107.48	104.08
S-51	Field	0" 117+11		~28.5'	108.99	100.30

PIPE SUMMARY

Pipe	Dia.	Length	From Struc./Station	From Elev.	To Struc./Station	To Elev.
P-74	24"	~~34'~~ 35	S-47	99.06	0" 113+49, 55' Lt.	98.72
P-75	24"	~~48'~~ 51	S-48	99.60	S-47	99.14
P-76	24"	4'	0" 113+34, 30' Rt.	101.79	S-48	101.49
P-77	18"	~~186'~~ 188	S-49	101.94	S-48	100.10
P-78	18"	~~14'~~ 13	S-50	104.08	S-49	102.02
P-79	18"	6'	0" 115+24, 30' Rt.	105.30	S-49	103.50
P-80	24"	80'	S-51	100.30	0" 117+11, 52' Lt	~ 96.40
P-81	24"	8'	0" 117+11, 38° Rt.	105.75	S-51	105.75



0" 113+34, 24.5' Rt.

0" 115+20, 29.5' Rt.

0" 115+27, 20' Rt.

KAE 10 1252 6-80 MC 1227-4

STATE	PROJECT DESIGNATION	YEAR	SHEET NO	TOTAL SHEETS
ALASKA	DPS-0958 (3)	1980	43	64

ESTIMATE OF UTILITY QUANTITIES (SUMMARY)

ITEM NO.	TOTAL	UNIT	SHEET 46	SHEET 47	SHEET 48	SHEET 49	SHEET 50	SHEET 51	SHEET 52	SHEET 53	SHEET 54	SHEET 55	SHEET 56	SHEET 57	SHEET 58	SHEET 59	SHEET 60	TOTAL
604 (2A)	Install Manhole	ea				1												2
604 (3)	Reconstruct Existing Manhole	ea		1	1		2	1						1				5
604 (4)	Adjust Existing Manhole	ea	3	23	2													7 8
626 (1A)	4" P.V.C. Sewer Conduit	L.F.	60	40	60													160 76
626 (1B)	6" P.V.C. Sewer Conduit	L.F.		40	26	96												162 46
626 (1C)	8" P.V.C. Sewer Conduit	L.F.			30		28											58 20
628 (2B)	8" D.I. Water Conduit	L.F.			120		40	35	85	62	55				75			472 474
628 (2C)	10" D.I. Water Conduit	L.F.	501	628	575	600	532	259										3095 3071
628 (4)	Install Valve Box	ea.	2	4	7	2	10	5	4	3	2				3			42 40
628 (7)	Relocate Fire Hydrant	ea.	1	1	1	1	1	1	2	1								9
628 (9A)	Install 3/4" Water Service	ea.	7	10	10	7	1	1	3	2				3	8	5		57 59
628 (9B)	Install 1" Water Service	ea.						1										1
628 (9C)	Install 2" Water Service	ea.	2		1			1										4 2
628 (10B)	Install 8" Gate Valve	ea.			1		1	1	1	2	1			1				7 8
628 (10C)	Install 10" Gate Valve	ea.	2	4	6	2	9	3										26 24
628 (10D)	Install 12" Gate Valve	ea.						1	3	1	1				2			8
628 (11)	Adjust Existing Valve	ea.		3	1	1			2	1	1			3	1	5	1	19
628 (12)	Relocate Existing Water Meter	ea.	2	2		1		2										8 5
635 (1)	Insulation Board	MBM	0.512	2.944	0.176	2.496	0.928	0.112	3.08	1.616	.064		0.32					11.010 12.312

ESTIMATE OF UTILITY QUANTITIES & SUMMARY TABLES

FIRE HYDRANT RELOC.

INSTALL		REMOVE	
STATION	OFFSET	STATION	OFFSET
~~"0"40+34~~	~~24'Rt~~	~~"0"40+34~~	~~25'Lt~~
~~"0"45+00~~	~~23'Rt~~	~~"0"45+06~~	~~Lt~~
~~"0"49+64~~	~~23'Rt~~	~~"0"49+76~~	~~30'Lt~~
~~"0"59+61~~	~~35'Lt~~	~~"0"59+61~~	~~39'Lt~~
~~"0"63+94~~	~~33'Lt~~	~~"0"63+94~~	~~28'Lt~~
~~"0"67+03~~	~~33'Lt~~	~~"0"67+03~~	~~31'Lt~~
~~"0"71+28~~	~~34'Lt~~	~~"0"71+28~~	~~30'Lt~~
~~"0"76+26~~	~~26'Rt~~	~~"0"76+26~~	~~30'Lt~~
~~"0"79+69~~	~~29'Rt~~	~~"0"79+69~~	~~30'Lt~~

INSULATION SUMMARY

STATION	OFFSET	MFBM	REMARKS
~~"0"42+00 to "0"46+00~~	~~19'Lt.~~	~~3.2~~	~~Insulate over Existing 10" W.C.~~
~~"0"57+00 to "0"61+00~~	~~21'Lt.~~	~~3.2~~	~~Insulate over Existing 10" W.C.~~
~~"0"72+30 to "0"76+05~~	~~22'Lt.~~	~~3.0~~	~~Insulate over Existing 12" W.C.~~
~~"0"78+00 to "0"80+00~~	~~23'Lt. 19'Lt.~~	~~1.6~~	~~Insulate over Existing 12" W.C.~~
~~"0"97+50 to "0"97+90~~	~~35'Lt.~~	~~32~~	~~Insulate over Existing 12" W.C.~~
Water Services	Rt.	~~0.54~~	Insulate over water services

WATER SERVICES

	STATION	OFFSET	REMARKS
38+16	~~"0"38+15~~	~~Rt.~~	~~Install 3/4" W.S.~~
	"0"38+63	26'Lt.	~~Relocate W.M. to 33'Lt.~~
38+85	~~"0"39+70~~	~~Rt.~~	~~Install 3/4" W.S.~~
39+52	~~"0"39+53~~	~~Rt.~~	~~Install 3/4" W.S.~~
39+80	~~"0"39+81~~	~~Lt.~~	~~Install 3/4" W.S and Relocate W.M.~~
39+83	~~"0"39+95~~	~~Rt.~~	~~Install 3/4" W.S.~~
40+69	~~"0"40+67~~	~~Rt.~~	~~Install 2" W.S.~~
41+34	~~"0"41+37~~	~~Lt.~~	~~Install 3/4" W.S. and Cap~~
41+88	~~"0"41+84~~	~~Rt.~~	~~Install 3/4" W.S.~~
42+22	~~"0"42+19~~	~~Rt.~~	~~Install 3/4" W.S.~~
43+00	~~"0"43+04~~	~~Rt.~~	~~Install 3/4" W.S. and Relocate W.M.~~
43+63	~~"0"43+71~~	~~Rt.~~	~~Install 3/4" W.S. and Cap~~
44+14	~~"0"44+32~~	~~Rt.~~	~~Install 3/4" W.S. and Cap~~
44+63	~~"0"44+55~~	~~Rt.~~	~~Install 3/4" W.S.~~
	~~"0"45+22~~	~~Lt.~~	~~Relocate W.M. to 35'Lt.~~
46+22	~~"0"45+95~~	~~Rt.~~	~~Install 3/4" W.S. and Cap~~
47+00	~~"0"46+55~~	~~Rt.~~	~~Install 3/4" W.S.~~
	"0"47+25	Rt.	Install 3/4" W.S.
47+69	~~"0"47+66~~	~~Rt.~~	~~Install 3/4" W.S.~~
48+48	~~"0"48+42~~	~~Rt.~~	~~Install 3/4" W.S.~~
	"0"48+77	Lt.	Install 3/4" W.S.
49+05	~~"0"48+87~~	~~Rt.~~	~~Install 3/4" W.S.~~
	"0"49+42	Lt.	Install 3/4" W.S.
49+53	~~"0"49+54~~	~~Rt.~~	~~Install 3/4" W.S. and Cap~~
49+70	~~"0"49+73~~	~~Lt.~~	~~Install 2" W.S.~~
50+15	~~"0"50+05~~	~~Rt.~~	~~Install 3/4" W.S.~~
50+72	~~"0"50+70~~	~~Rt.~~	~~Install 3/4" W.S.~~
51+84	~~"0"51+90~~	~~Lt.~~	~~Install 3/4" W.S.~~
52+69	~~"0"52+48~~	~~Rt.~~	~~Install 3/4" W.S. and Cap~~
53+04	~~"0"53+17~~	~~Rt.~~	~~Install 3/4" W.S.~~
53+18	~~"0"53+78~~	~~Rt.~~	~~Install 3/4" W.S.~~
	"0"53+37	Rt.	Install 3/4" W.S. and Cap
	"0"54+95	Rt.	Install 3/4" W.S. and Cap
55+64	~~"0"55+43~~	~~Rt.~~	~~Install 3/4" W.S.~~
	~~"0"56+22~~	~~Rt.~~	~~Install 3/4" W.S.~~
	"0"56+22	26'Lt.	~~Relocate W.M. to 37'Lt.~~
56+80	~~"0"56+90~~	~~Rt.~~	~~Install 3/4" W.S.~~
57+04	~~"0"57+51~~	~~Rt.~~	~~Install 3/4" W.S.~~
58+94	~~"0"58+54~~	~~Lt.~~	~~Install 3/4" W.S.~~
61+04	~~"0"61+05~~	~~Lt.~~	~~Install 3/4" W.S.~~
	~~"0"68+69~~	~~Rt.~~	~~Install 1" W.S.~~
	"0"68+88	29'Lt.	~~Relocate W.M. to 39'Lt.~~
	"0"68+93	29'Lt.	~~Relocate WM to 39'Lt.~~
	~~"0"69+04~~	~~Rt.~~	~~Install 2" W.S.~~
	"0"69+43	Rt.	Install 3/4" W.S.
	"0"74+34	Lt.	Install 3/4" W.S. and Cap
75+31	"0"75+32	Rt.	Install 3/4" W.S.
76+36	~~"0"76+37~~	~~Lt.~~	~~Install 3/4" W.S. and Cap~~
77+70	~~"0"77+65~~	Lt.	Install 3/4" W.S. and Cap
79+	"0"78+15	Rt.	Install 3/4" W.S.
	"0"102+39	Lt.	Install 3/4" W.S. and Cap
103+10	"0"103+11	Lt.	Install 3/4" W.S. and Cap
103+84	~~"0"103+86~~	Lt.	Install 3/4" W.S. and Cap
105+72	~~"0"105+73~~	Lt.	Install 3/4" W.S. and Cap
106+65	~~"0"106+76~~	Lt.	Install 3/4" W.S. and Cap
107+45	~~"0"107+47~~	Lt.	Install 3/4" W.S. and Cap
	"0"108+11	Lt.	Install 3/4" W.S. and Cap
	"0"108+87	Lt.	Install 3/4" W.S. and Cap
	"0"109+57	Lt.	Install 3/4" W.S. and Cap
	"0"110+27	Lt.	Install 3/4" W.S. and Cap
	"0"110+97	Lt.	Install 3/4" W.S. and Cap
111+63	~~"0"111+65~~	Lt.	Install 3/4" W.S. and Cap
	"0"112+35	Lt.	Install 3/4" W.S. and Cap
	"0"113+75	Lt.	Install 3/4" W.S. and Cap
	"0"114+47	Lt.	Install 3/4" W.S. and Cap
116+00	~~"0"115+20~~	Lt.	Install 3/4" W.S. and Cap
4L+50	~~"0"46+53~~	Lt.	Install 3/4" W.S.
	0+76+95	Rt.	Install 3/4" W.S.
	66+56	Rt.	Install 3/4" W.S.
	39+29	Lt.	Install 3/4" W.S.
	45+94	Lt.	Install 3/4" W.S.
	50+73	Lt.	Install 3/4" W.S.
	47+67	Lt.	Install 3/4" W.S.
	47+75	Lt.	Install 3/4" W.S.
	55+15	Rt.	Install 1" W.S.

WATER VALVES & VALVE BOXES

	STATION	OFFSET	REMARKS
40+63	~~"0"49+90~~	~~9'Rt~~	~~Install 10" G.V. and V.B.~~
40+69	~~"0"40+38~~	~~9'Rt~~	~~Install 10" G.V. and V.B.~~
	"0"44+96	30'Rt	Install 10" G.V. and V.B.
	"0"45+03	21'Lt.	Adjust V.B.
	"0"45+07	18'Lt.	Install 10" G.V. and V.B.
	"0"45+07	6'Rt	Install 10" G.V. and V.B.
	"0"45+11	15'Lt	Cap and Abandon Valve
	"0"45+11	8'Rt.	Install 10" G.V. and V.B.
	"0"45+19	20'Lt.	Adjust V.B.
1 →	"0"47+02	20'Lt.	Adjust V.B.
49+53	~~"0"49+04~~	6'Rt	Install 10" G.V. and V.B.
49+60	~~"0"49+68~~	6'Rt	Install 10" G.V. and V.B.
	"0"51+18	4'Rt	Install 10" G.V. and V.B.
	"0"51+22	19'Lt.	Install 10" G.V. and V.B.
	"0"51+24	2'Rt.	Install 10" G.V. and V.B.
51+20	~~"0"51+24~~	7'Rt.	Install 8" G.V. and V.B.
	"0"51+26	19'Lt.	Cap and Abandon Valve
	"0"51+29	4'Rt	Install 10" G.V. and V.B.
	"0"51+34	21'Lt.	Adjust V.B.
	~~"0"55+55~~	21'Lt.	~~Install 10" G.V. and V.B.~~ use existing
	"0"55+58	28'Rt	Adjust V.B.
	"0"55+62	21'Lt.	~~Install 10" G.V. and V.B.~~ use existing
	"0"60+12	4'Rt	Install 10" G.V. and V.B.
	"0"60+15	8'Rt	Install 8" G.V. and V.B.
	"0"60+19	4'Rt	Install 10" G.V. and V.B.
	"0"63+95	2'Rt	Install 10" G.V. and V.B.
	"0"63+96	22'Lt	Install 10" G.V. and V.B.
	"0"64+00	18'Lt	Install 10" G.V. and V.B.
	"0"64+00	2'Lt	Install 10" G.V. and V.B.
	"0"64+00	5'Rt	Install 10" G.V. and V.B.
	"0"64+02	22'Lt	Install 10" G.V. and V.B.
	"0"64+04	2'Rt	Install 10" G.V. and V.B.
	"0"67+30	21'Lt	Install 10" G.V. and V.B.
	"0"67+30	3'Rt	Install 10" G.V. and V.B.
	"0"67+35	2'Lt	Install 10" G.V. and V.B.
	"0"67+35	7'Rt	Install 8" G.V. and V.B.
	"0"67+38	21'Lt	Install 12" G.V. and V.B.
	"0"71+33	17'Lt	Adjust V.B.
	"0"72+20	22'Lt	Install 12" G.V. and V.B.
	"0"72+25	19'Lt	Install 8" G.V. and V.B.
	"0"72+28	22'Lt	Install 12" G.V. and V.B.
	"0"76+19	22'Lt	Install 12" G.V. and V.B.
	"0"76+33	22'Lt	Adjust V.B.
79+53	~~"0"79+52~~	19'Lt	Install 12" G.V. and V.B.
79+60	~~"0"79+68~~	22'Lt	Install 8" G.V. and V.B.
	"0"79+70	19'Lt.	Adjust V.B.
	"0"86+90	28'Lt	Adjust V.B.
	"0"87+00	25'Lt	Install 8" G.V. and V.B.
	"0"87+05	28'Lt	Install 12" G.V. and V.B.
2 →	"0"100+40	22'Lt	Adjust V.B.
	"0"102+81	25'Lt	Install 12" G.V. and V.B.
	"0"102+85	16'Lt	Install 8" G.V. and V.B.
	"0"102+89	25'Lt	Install 12" G.V. and V.B.
	"0"104+85	25'Lt	Adjust V.B.
2 →	"0"104+95	24'Lt	Adjust V.B.
4 →	"0"110+12	24'Lt	Adjust V.B.
5 →	"0"115+31	24'Lt	Adjust V.B.
6 →	"0"115+35	22'Lt	Adjust V.B.
7 →	"0"115+37	24'Lt	Adjust V.B.
115+83	~~"0"115+83~~	11'Rt	Adjust V.B.
115+86	~~"0"115+86~~	18'Rt	Adjust V.B.
	"0"119+82	15'Rt	Adjust V.B.
79+56	~~"0"79+63~~	15'Lt	Install 8" G.V. and V.B.

P.V.C. SEWER SERVICES

STATION	LENGTH	SIZE	OFFSET	REMARKS
~~"0"39+03~~	~~10'~~	~~4"~~	~~19'Rt~~	
"0"39+42	~~10'~~ 18' 8	4"	19'Rt.	
~~"0"39+99~~	~~10"~~	~~4"~~	~~19'Rt.~~	
~~"0"41+14~~	~~10'~~ existing	~~4"~~	~~19'Rt~~	
40+86 "0"41+78	20 18' 4	4"	19'Rt.	
~~"0"42+42~~	~~18'~~	~~4"~~	~~19'Rt~~	
"0"43+24	65 10'	6"	Rt.	Cap
"0"44+26	00 18' 2	4"	Rt.	
"0"44+91	34 18' 6	6"	Rt.	Cap
~~"0"45+80~~	~~10'~~	~~4"~~	~~Rt.~~	
"0"46+56	95 ~~10'~~ 15	4"	Rt.	
~~"0"47+19~~	~~10'~~	~~6"~~	~~Rt.~~	~~Cap~~
~~"0"47+80~~	~~10'~~	~~4"~~	~~Rt.~~	
"0"48+14	15 ~~18'~~ 5	6"	Rt.	Cap
~~"0"48+98~~	20 ~~10'~~ 6	4"	Rt.	
"0"49+56	40 ~~18'~~ 12	6"	Rt.	~~Cap~~ to existing
"0"50+32	09 ~~18'~~ 6½	4"	Rt.	
"0"50+68	57 18' 6½	6"	Rt.	~~Cap~~ to existing
"0"51+69	38 ~~18'~~ 6	~~4"~~ 6"	Rt.	
"0"52+42	67 ~~10'~~	4"	Rt.	
~~"0"52+89~~	53 ~~10'~~ 6	4"	Rt.	
"0"53+63	~~10'~~	~~4"~~	~~Rt.~~	
"0"54+40	~~16'~~	~~6"~~	~~Rt.~~	~~Cap~~
~~"0"54+98~~	55 ~~16'~~ 12	6"	Rt.	~~Cap~~ to existing
"0"55+45	67 ~~16'~~ 3	~~6"~~ 4"	Rt.	~~Cap~~ to existing
~~"0"56+24~~	~~16'~~	~~6"~~	~~Rt.~~	~~Cap~~
~~"0"56+92~~	~~16'~~	~~6"~~	~~Rt.~~	~~Cap~~
~~"0"57+53~~	~~16'~~	~~6"~~	~~Rt.~~	~~Cap~~

WATER MAIN & APPURTENANCES

STATION	OFFSET	REMARKS
"0"37+49	10'Rt.	Install 2986 L.F. of 10" D.I.W.C.
"0"67+35	3'Rt.	
~~"0"45+07~~	~~21'Lt. to 7'Rt~~	~~Install 28 L.F. of 10" D.I.W.C.~~
~~"0"51+15~~	~~21'Lt to 4'Rt~~	~~Install 25 L.F. of 10" D.I.W.C.~~
~~"0"51+20~~	~~7'Rt to Nome St~~	~~Install 120 L.F. of 8" D.I.W.C.~~
~~"0"60+15~~	~~4'Rt. to 24'Rt~~	~~Install 20 L.F. of 8" D.I.W.C. & Cap~~
~~"0"63+78~~	~~17'Lt.~~	~~Cap and Abandon 6" D.I.W.C.~~
~~"0"63+97~~	~~30'Rt~~	~~Cap and Abandon 6" D.I.W.C.~~
~~"0"64+00~~	~~22'Lt to 10'Rt~~	~~Install 32 L.F. of 10" D.I.W.C.~~
~~"0"64+00~~	~~10'Rt.~~	~~Install 10"x8" Reducer~~
~~"0"64+00~~	~~10'Rt to 30'Rt~~	~~Install 20 L.F. of 8" D.I.W.C.~~
~~"0"64+00~~	~~25'Rt.~~	~~Install 8"x6" Reducer~~
~~"0"65+83~~	~~18'Lt.~~	~~Cap and Abandon 4" D.I.W.C.~~
~~"0"66+98~~	~~18'Lt.~~	~~Cap and Abandon 4" C.I.W.C.~~
~~"0"67+35~~	~~21'Lt. to 4'Rt~~	~~Install 24 L.F. of 10" D.I.W.C.~~
~~"0"67+35~~	~~3'Rt to 38'Rt~~	~~Install 35 L.F. of 8" D.I.W.C.~~
~~"0"67+35~~	~~38'Rt~~	~~Install 8"x4" Reducer~~
~~"0"72+25~~	~~22'Lt to 63'Rt~~	~~Install 85 L.F. of 8" D.I.W.C.~~
~~"0"79+85~~	~~19'Lt. to 36'Lt~~	~~Install 17 L.F. of 8" D.I.W.C. & Cap~~
~~"0"87+00~~	~~28'Lt. to 27'Rt~~	~~Install 55 L.F. of 8" D.I.W.C. & Cap~~
~~"0"102+89~~	~~25'Lt to 50'Rt~~	~~Install 75 L.F. of 8" D.I.W.C. & Cap~~
~~"0"102+63~~	~~19'Lt to 26'Rt~~	~~Install 45 L.F. of 8" D.I.W.C. & Cap~~

P.V.C. SEWER MAIN SUMMARY

STATION	OFFSET	L.F.	SIZE	REMARKS
~~"0"51+42~~	~~15'Rt~~	~~30~~	~~8"~~	~~Install Conduit from M.H. to 40'Rt. and Reconnect to Existing Service~~
"0"60+04	16'Rt	~~8~~ 10	~~8"~~	Install Conduit from M.H. to 24'Rt. and Cap.
"0"63+12 to "0"63+29	11'Rt	20	8"	Install Conduit from M.H. to 26'Rt. and Cap.

MANHOLE SUMMARY

STATION	OFFSET	REMARKS
~~"0"38+95~~	~~19'Rt~~	~~Adjust~~
~~"0"39+73~~	~~19'Rt~~	~~Adjust~~
~~"0"41+26~~	~~19'Rt~~	~~Adjust~~
~~"0"45+22~~	~~21'Rt~~	~~Adjust~~
~~"0"45+32~~	~~17'Rt~~	~~Adjust~~
"0"47+14	14'Rt	Reconstruct
"0"50+09	20'Rt	Reconstruct
"0"51+42	15'Rt	Adjust
"0"53+09	15'Rt	Adjust
"0"56+60	15'Rt.	Install
"0"60+04	10'Rt.	Reconstruct
"0"63+12	11'Rt.	Reconstruct
"0"65+80	13'Rt.	Reconstruct
"0"100+85	21'Lt.	Install
95+30	Rt.	Reconstruct

ABBREVIATIONS

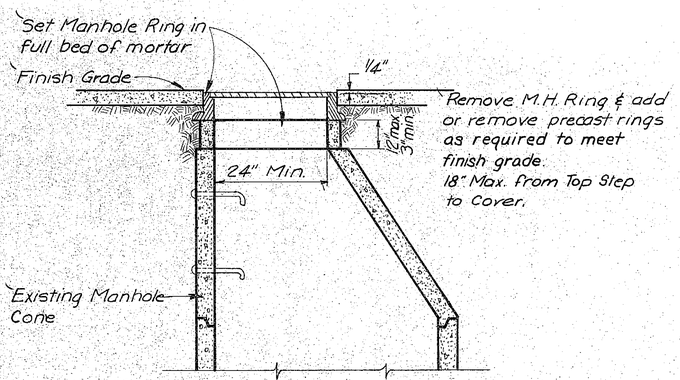
A.C.	Asbestos Cement
C.I.	Cast Iron
D.I.	Ductile Iron
F.H.	Fire Hydrant
G.V.	Gate Valve
M.H.	Manhole
P.V.C.	Polyvinyl Chloride
V.B.	Valve Box
W.C.	Water Conduit
W.M.	Water Meter
W.S.	Water Service

AS ADVERTISED

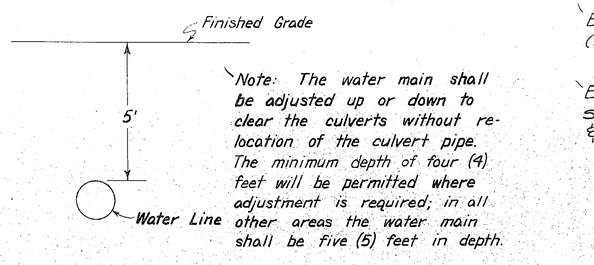
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	DPS-0958 (3)	1980	44	64

UTILITIES DETAILS

AS ADVERTISED

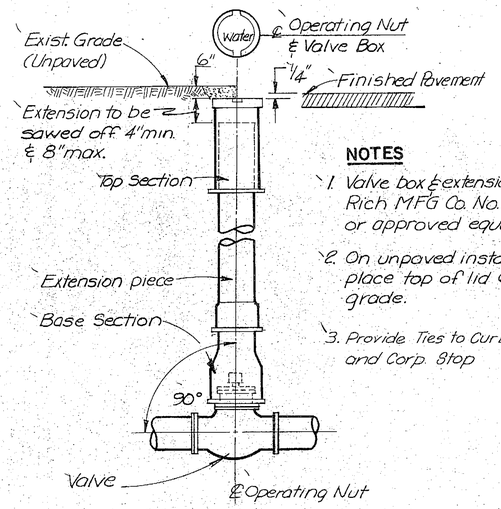


MANHOLE RING ADJUSTMENT



Note: The water main shall be adjusted up or down to clear the culverts without re-location of the culvert pipe. The minimum depth of four (4) feet will be permitted where adjustment is required; in all other areas the water main shall be five (5) feet in depth.

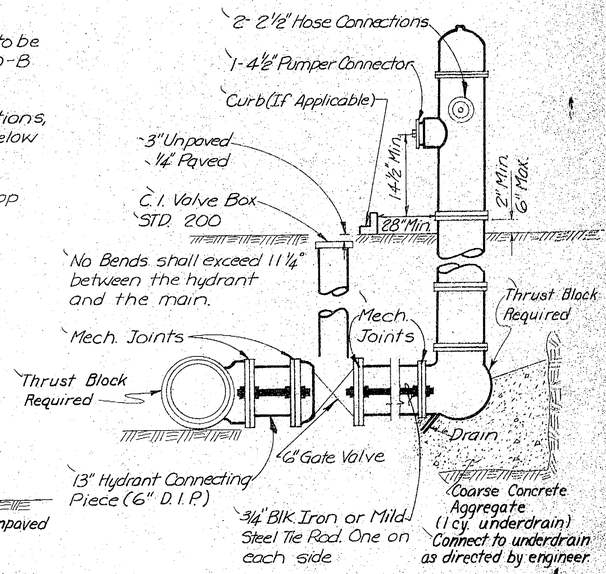
WATERLINE INSTALLATION DETAIL



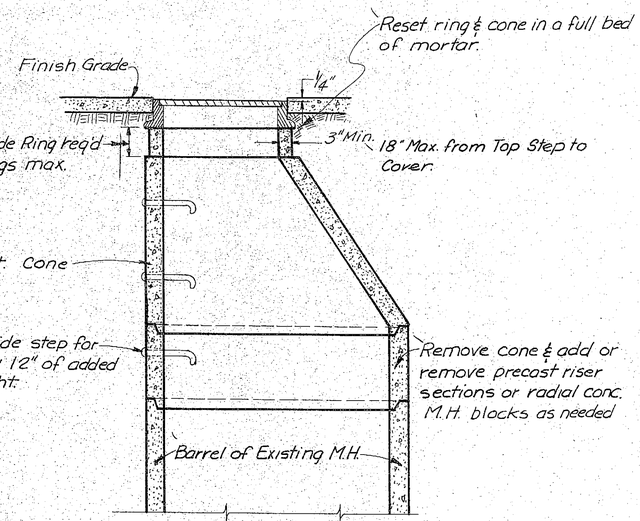
TYPICAL VALVE BOX

NOTES

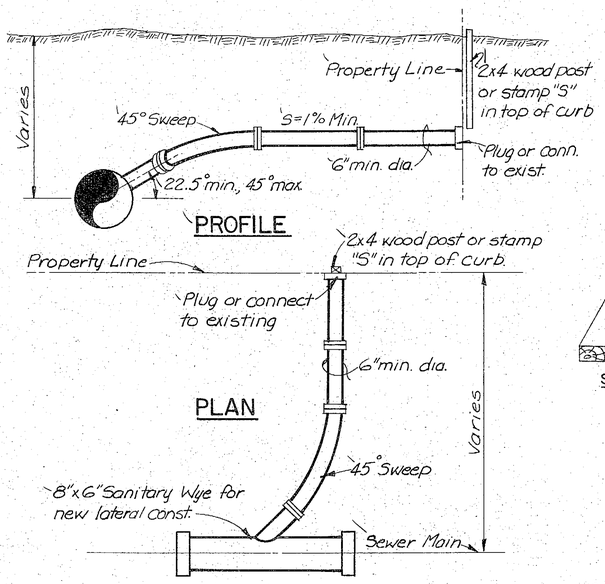
1. Valve box & extension to be Rich MFG Co. No. 940-B or approved equal.
2. On unpaved installations, place top of lid 6" below grade.
3. Provide Ties to Curb Stop and Corp. Stop



FIRE HYDRANT RELOCATION DETAIL



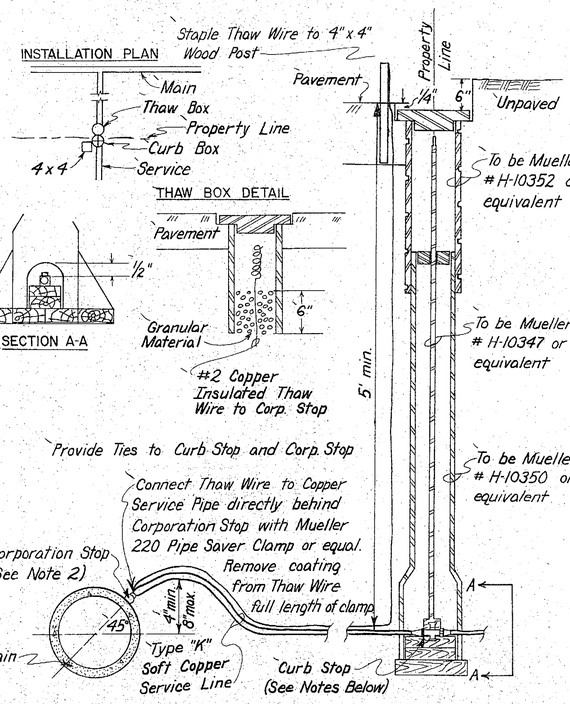
MANHOLE CONE ADJUSTMENT



NOTES

1. Service connect 4" Min. dia. to Existing 6" Min. Dia. for new Stub Outs.
2. Acceptable Pipe within R/W: P.V.C., SDR 35
3. Double strap saddles may be substituted for Wyes.
4. Bring 2x4 wood post to surface.
5. Distance from Wye to M.H. shall be noted on "As-Built" plans.

SEWER SERVICE LATERAL CONNECTION



WATER SERVICE CONNECTION AND CURB BOX INSTALLATION DETAIL

WATER SERVICE CONNECTION NOTES

1. At curb stop either connect to existing line or mark future service with 4 x 4 timber.
2. Use Mueller Corporation Stop No. 15025 or equal.
3. Use Mueller Curb Stop No. H15210 or equal for copper to copper conn.
4. Use Mueller Curb Stop No. H15185 or equal for copper to iron conn.

HYDRANT INSTALLATION NOTES

1. Hydrant barrel must be plumb.
2. Hydrant, auxiliary gate valve, and valve box to be bid as unit in place. Lead from main to hydrant also included in fire hydrant assembly.
3. Cover to be 5'-0.

HYDRANT REMOVAL NOTES

1. Close Valve.
2. Remove Valve Box.
3. Remove Hydrant for use in installation of Fire Hydrant.
4. Cap & Seal as shown in Typical Water Line Abandonment Detail sheet no. 45.

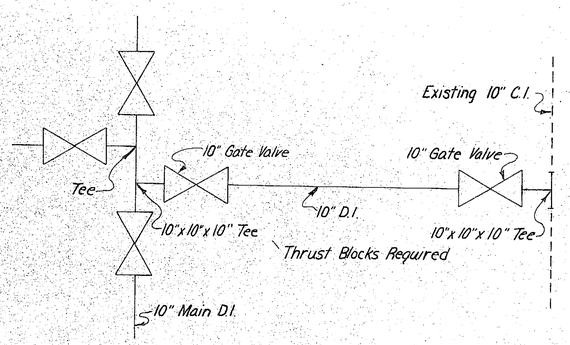
CURB BOX INSTALLATION NOTES

1. Box shall be plumb.
2. Blocking shall snugly fit into box.
3. Backfill compacted to 95% max. dry density.
4. Install thaw wire on 4 x 4 post adjacent to curb box in unpaved areas. Stub out 1 foot above ground.
5. In paved areas, install top section of curb box with 1 foot coiled thaw wire under cover. Seat in clean gravel.

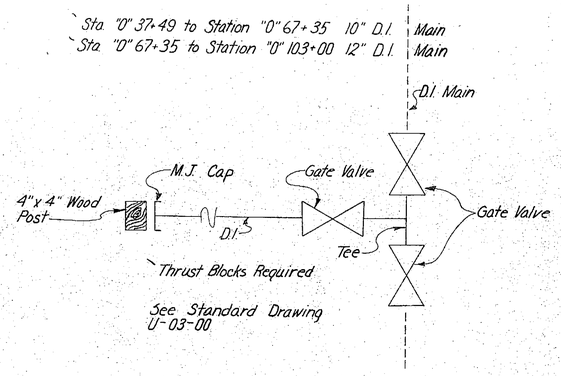
Kodak 19 1253 6-80 BC 1227*

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	DPS-0958 (3)	1980	45	64

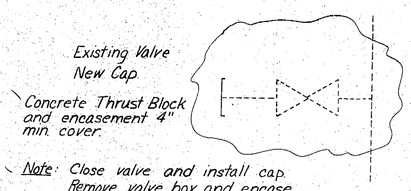
AS ADVERTISED



TYPICAL WATER INTERCONNECT

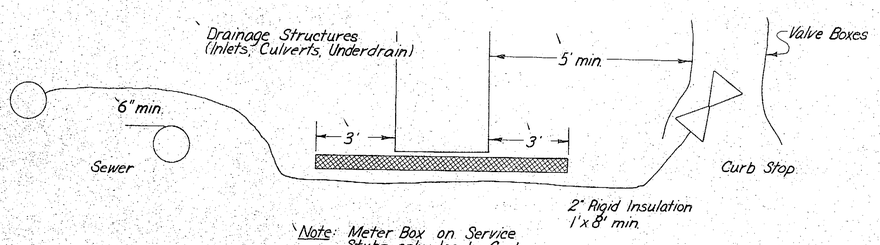


TYPICAL WATER STUB



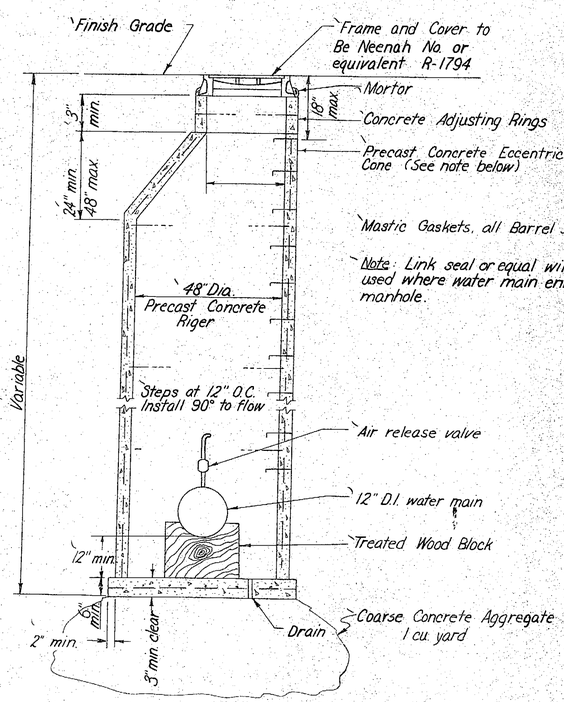
Note: Close valve and install cap. Remove valve box and encase as shown. Provide ties to valve operating nut.

TYPICAL ABANDONED WATER

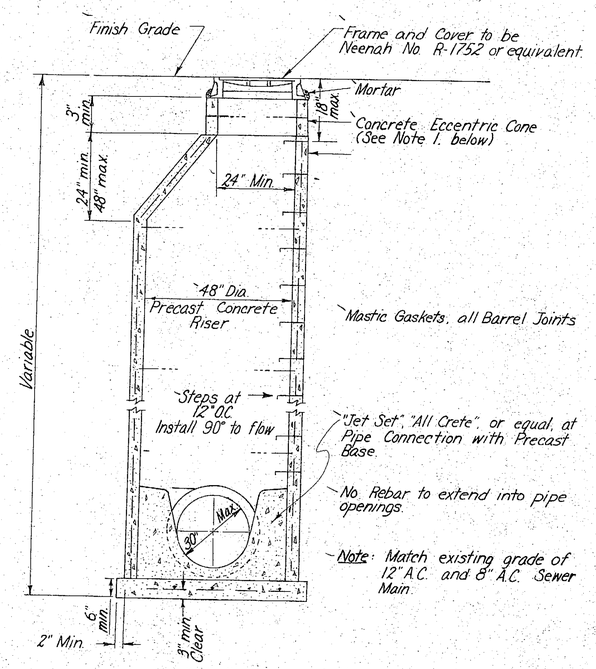


Note: Meter Box on Service Stubs only; locate Curb Stop per detail sheet 44 on all services. Provide ties to all Curb Stops.

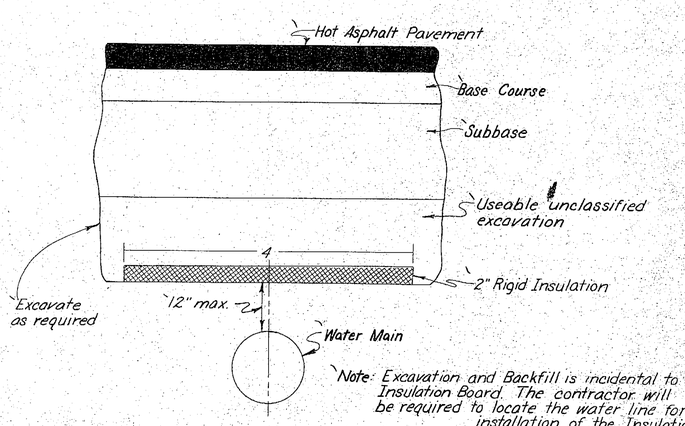
WATER SERVICE INSULATION



Sta. "0" 100+85, 21' Lt.
MANHOLE



Sta. "0" 56+60, 15' Rt.
SANITARY MANHOLE



Note: Excavation and Backfill is incidental to Insulation Board. The contractor will be required to locate the water line for installation of the Insulation Board.

INSULATION BOARD DETAIL

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	DPS-0958 (3)	1980	46	64

AS ADVERTISED

UTILITIES

"0" 42+00 Lt
Begin Insulation
on 10" water
main

"0" 41+43.28 Lt Pole to
be relocated by Others

"0" 41+37 3/4" W.S. from
existing 10" DI watermain
18' Lt to 38' Lt and cap.

"0" 41+26, 19' Rt adjust existing
M.H.

"0" 41+78, Rt install 10LF 4" PVC
Sewer conduit and reconnect
to existing.

"0" 41+78 Rt install 3/4" W.S. from
new main to 28' Rt and reconnect
to existing

"0" 42+15 Rt install 3/4" W.S. from
new main to 25' Rt and reconnect
to existing

"0" 42+42, 19' Rt, install 10LF
of 4" PVC Sewer conduit and
reconnect to existing

Match line "0" 42+43.88

"0" 39+53 Rt install 3/4" W.S. from new
main to 23' Rt Reconnect to existing

"0" 39+75 19' Rt adjust existing M.H.

"0" 39+85 Rt install 3/4" W.S. from
new main to 30' Rt Reconnect to
existing

"0" 39+86 19' Rt install 10LF
of 4" PVC Sewer conduit and
reconnect to existing

"0" 40+39 9' Rt install 10" GV and VB

"0" 40+34 Relocate existing F.H.
from 25' Lt. to 24' Rt connect to
new main @ 4716#

"0" 40+28 9' Rt install 10" GV and
VB

"0" 40+67 Rt install 2" W.S from new
main to 27' Rt and reconnect to
existing.

"0" 41+14 19' Rt install 10LF 4" PVC
Sewer conduit and reconnect to
existing.

"0" 41+26 19' Rt adjust existing M.H

"0" 41+78 Rt install 3/4" W.S. from
existing 10" DI watermain
18' Lt to 38' Lt and cap.

"0" 41+43.28 Lt Pole to
be relocated by Others

Sta "0" 33+68 Begin
Retaining Wall

"0" 39+67.27' Lt Pole to be
relocated by Others

"0" 39+81 Install 2" W.S from
existing water main to 40' Lt
Relocate water meter and
reconnect.

Existing R/W

Cordova St

"0" 37+29.26' Lt Pole to
be relocated by Others

S 34° 07' 58" E
~543.37

39+24 3/4" W.S.

"0" 38+53.26' Lt Relocate
existing water meter to
39' Lt

"0" 38+52.67 PI
∠ = 0°45' Lt

"0" 38+70 Install 3/4" W.S. from New
Main to 29' Rt and Reconnect to
Exist 3" Gate Valve

"0" 38+95, 19' Rt adjust existing M.H

"0" 38+85 19' Rt install 10' L.F 4" Sewer
PVC. Sewer conduit.
Reconnect to existing.

"0" 38+15 Rt install 3/4" W.S. from
new main to 25' Rt and reconnect
to existing

"0" 37+49 10' Rt to 42+50. install
501 L.F of 10 D.I. water conduit

4" Galv. to be
Abandoned

Existing R/W

Elev. 57.94

Existing ground

200' V.C.
Elev 56.13

VPI "0" 37+99.88

Elev 52.51

No V.C.

VPI "0" 41+49.88

-1.68%

Existing 4" Galvanized R/W

-1.80571%

Existing 10" CIWC

Existing 8" AC

Finished Profile

BEGIN PROJECT
DPS-0958 (3)
"As Bid" 10+26.89
"L" 10+00 =
"O" 36+99.88

"0" 36+00

"0" 37+00

"0" 38+00

"0" 40+00

"0" 42+00

60 55 50 45 40

PLAN

PROFILE

AS ADVERTISED

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	DPS-0958 (3)	1980	47	64

UTILITIES

PLAN
DATE SURVEYED
NOTE BOOK
DATE PLOTTED
CHECKED
STRUCTURE NOTATIONS CHECKED

PROFILE
DATE SURVEYED
NOTE BOOK
DATE PLOTTED
CHECKED
STRUCTURE NOTATIONS CHECKED

"0" 42+50 6' Rt. to "0" 48+50 4" Rt., install 600 L.F. of 10" D.I. water conduit.

"0" 43+22 Rt. install ¾" W.S. from new main, relocate water meter to 28' Rt. and reconnect to existing

"0" 43+64 Rt. install ¾" W.S. from new main to 27' Rt. and reconnect to existing

"0" 43+74 Rt. install 10 L.F. of 6" PVC Sewer conduit from existing Sewer line to 27' Rt. and cap

"0" 43+77 Rt. install ¾" W.S. from new main to 27' Rt. and cap.

"0" 44+14 Rt. install ¾" W.S.

"0" 44+26 Rt. install 10 L.F. of 4" PVC Sewer conduit and reconnect to existing

"0" 44+32 Rt. install ¾" W.S. from new main to 27' Rt. and cap.

"0" 44+55 Rt. install ¾" W.S. from new main to 27' Rt. and reconnect to existing

"0" 44+84 Rt. install 10 L.F. of 6" PVC Sewer conduit from existing Sewer line to 28' Rt. and cap.

"0" 44+96 10' Rt. install 10" G.V. and V.B.

"0" 45+06 23' Rt. relocate existing F.H. from "0" 45+06 Lt. Connect to new 10" D.I. water main.

"0" 45+11 7' Rt. install 10" G.V. and V.B.

"0" 45+22 21' Rt. adjust M.H.

"0" 45+32 17' Rt. adjust S.D. manhole.

"0" 45+80 Rt. install 10 L.F. of 4" PVC Sewer conduit and reconnect to existing

P.I. "0" 45+87.79

"0" 45+85 Rt. install ¾" W.S. from new main to 26' Rt. and cap.

"0" 46+00 End insulation of 10" line.

"0" 46+22, ¾" W.S. Connect to existing

"0" 46+55 Lt. install ¾" W.S from existing main to 35' Lt. and reconnect to existing c&p

"0" 46+94 Begin 22 L.F. Retaining Wall.

"0" 47+02.20 Lt. adjust valve box.

"0" 47+14, 14' Rt. reconstruct existing M.H.

"0" 47+19 Rt. install 10 L.F. of 6" PVC Sewer conduit from sewer line to 25' Rt. and cap.

"0" 47+25 Rt. install ¾" W.S. from new main to 25' Rt. and reconnect to existing

"0" 47+46 Rt. install ¾" W.S. from new main to 21' Rt. and reconnect to existing.

"0" 47+80 Rt. install 10 L.F. of 4" PVC Sewer Conduit to 25' Rt. and reconnect to existing

"0" 48+14 Rt. install ¾" W.S. from new main to 21' Rt. and reconnect to existing

"0" 48+42 Rt. install 10 L.F. of 6" PVC Sewer conduit to 24' Rt. and cap

Sta. "0" 42+52 End Retaining Wall.

"0" 42+50 to "0" 46+00, install insulation over existing 10" water main.

Sta. "0" 43+95.04 P.C. "0" 43+95.04

Relocate Light Pole to be relocated by others

No. U.E. "0" 45+03.20 Lt. adjust V.B.

"0" 45+07 install 28' of 10" D.I. watermain from existing line Lt. to new main Rt.

Install 10" G.V. and V.B. in new line at 18' Lt. and 6' Rt.

Existing 8" AC line to be relocated by others

"0" 45+40 20' Lt. adjust V.B.

"0" 45+22 Relocate existing water meter to 35' Lt.

Existing R/W

"0" Δ=11°27'38" D=3° Lt. T=191.65' L=382.02' R=1909.859' S=0.035'/ft.

Sta. "0" 47+35 End Retaining Wall.

Sta. "0" 47+28.06 P.T.

W.S. 47+67

W.S. 47+35

Existing R/W

10" C.I.

6" abandoned

S45°35'36"E 821.92'

Match Line "0" 48+49.88

Match Line "0" 42+49.88

S 34°07'58"E ~543.37'

4" Galv. to be abandoned

10" x 10" x 10" Tee

10" x 10" x 6" Tee

4" Galv.

See detail

10" D.I.

6" C.I. to be abandoned

Abandoned

Sta

Existing R/W

10'

SS

W

65
60
55
50
45
40

"0" 44+00
"0" 46+00
"0" 48+00

150' V.C. Elev. 50.40

V.P.I. "0" 42+74.09

150' V.C. Elev. 51.30

V.P.I. "0" 44+75.00

200' V.C. Elev. 59.00

V.P.I. "0" 48+00.72

+0.4497%

+2.3640%

Finished Profile

Existing ground

Existing 36" CMP

Existing 6" CIWC Rt/E

Existing 10" C.I.W.C.

Existing 8" AC

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	DPS-0958 (3)	1980	48	64

AS ADVERTISED

UTILITIES

PLAN SURVEYED
NOTE BOOK, DATES
No. 4" WAY DIGITIZED

PROFILE SURVEYED
NOTE BOOK, DATES CHECKED
No. & PAGE NOTED
STRUCTURE NOTATIONS CHECKED

Match Line "0"48+49.88

Sta. "0"48+73 Lt. Begin Retaining Wall

"0"48+77 Lt. Install ¾" WS from Existing 10" Main to 36" Lt and Reconnect to Existing.

Does not exist "0"49+42 Lt. Install ¾" WS from Existing 10" Main to 30" Lt and Reconnect to Existing

"0"49+73 Lt. Install 2" WS from Existing 10" Main to 30" Lt and Reconnect to Existing.

Sta. "0"49+82 End Retaining Wall.

10" C.I.

10"x10"x6" Tee

W

55

12"

6" C.I. to be Abandoned

6"

S 45°35'36" E
~821.92

10"x10"x10" Tee

10"x10"x8" Tee

10" D.I.

10" C.I.

10'

8" A.C.

Sta. "0"50+95 Lt. Relocate 2" WS to be relocated by others

Sta. "0"50+77 Begin Retaining Wall.

Sta. "0"51+22 Lt. Install 25 L.F. of 10" D.I. Water Conduit from Existing 10" Main to new 10" Main, At 19° Lt and 2' Rt. Install 10" GV and V.B.

Sta. "0"51+28 End Retaining Wall.

Sta. "0"51+34 Lt. Adjust Valve Box.

Sta. "0"51+96 Begin Retaining Wall.

"0"51+90 Lt. Install ¾" WS from Existing 10" Main to 36" Lt and Reconnect to Existing

Sta. "0"52+61 End Retaining Wall

"0" 48+50, 4' Rt to "0"54+00 4" Rt. Install 550 L.F. of 10" DI Water Conduit.

43+05 "0"50+93 Rt. Install ¾" WS from new 10" Main to 29' Rt. and Reconnect to Existing.

"0" 48+98 Rt. Install 10 L.F. of 4" PVC Sewer Conduit from Existing Sewer Line to 24' Rt. and Reconnect to Existing.

50 "0"49+44 Rt. Install ¾" WS from new 10" Main to 29' Rt. and Cap.

"0"49+56 Rt. Install 16 L.F. of 6" PVC Sewer Conduit from Existing Sewer Line to 30' Rt and Cap.

53 "0"49+66 and 49+68 4' Rt. Install 10" GV and Valve Box.

"0"49+87 23' Rt. Relocate Existing F.H. from "0" 49+76, 30' Lt. and Connect to new 10" Water Main.

"0"50+05 Rt. Install ¾" WS from 10" Main to 29' Rt. and Reconnect to Existing.

"0"50+09.20' Rt. Reconstruct Existing Manhole

"0"50+32 Rt. Install 10 L.F. of 4" PVC from Existing Sewer Line to 25' Rt. and Reconnect to Existing

"0"50+69 Rt. Install 10 L.F. of 6" PVC Sewer Conduit from Existing Sewer Line to 24' Rt. and Cap.

"0"50+76 Rt. Install ¾" WS from 10" Main to 24' Rt. and Reconnect to Existing.

"0"51+18, 4' Rt. Install 10" GV and V.B.

"0"51+24, 7' Rt. Install 8" GV and V.B.

"0"51+24, 7' Rt. Install 120 L.F. of 8" D.I. Water Conduit from new 10" Water Main and Connect to Existing Water Main on Nome St. as shown.

"0"51+29 4' Rt. Install 10" GV and V.B.

"0"51+42, 15' Rt. Adjust Existing Manhole.

"0"51+42, 15' Rt to 42' Rt. Install 30 L.F. of 8" PVC and Reconnect to Existing

"0"51+69 Rt. Install 10 L.F. of 4" PVC Sewer Conduit to 24' Rt. and Reconnect to Existing.

67 "0" 52+44 Rt. Install 10 L.F. of 4" PVC Sewer Conduit from Sewer Main to 24' Rt. and Reconnect to Existing.

69 "0" 52+48 Rt. Install ¾" WS from new Main to 24' Rt. and Cap.

53+00 "0" 52+88 Rt. Install 10 L.F. of 4" PVC Sewer Conduit from Sewer Main to 24' Rt. and Reconnect to Existing.

"0" 53+09.5' Rt. Adjust M.H.

"0" 53+24 Rt. Install ¾" WS from new 10" Water Main to 29' Rt. and Reconnect to Existing.

"0" 53+63 Rt. Install 10 L.F. of 4" PVC Sewer Conduit from Sewer Main to 29' Rt. and Reconnect to Existing.

86 "0" 53+78 Rt. Install ¾" WS from new Main to 29' Rt. and Reconnect to Existing.

Match Line "0"53+99.88

Note: Connect W.S. to Exist. 8" W.C. on Nome St.

90° 2

"No V.C. Elev. 60.75

V.P.I. "0"50+50.73

Finished Profile

+1.643%

Existing Ground

Existing 6" C.I.W.C.

Existing 10" C.I.W.C.

Existing 8" AC

Existing 8" AC

"801 V.C. Elev. 68.50

V.P.I. "0"54+00.72

70 65 60 55 50 45 40

"0" 48+50 "0" 50+00 "0" 52+00 "0" 54+00

PLATE SINGLE PLAN AND PROFILE SHEET

HIGHWAY FEDERAL AID SHEET
INTERIOR
PRINTED IN U.S.A.

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	DPS-0958 (3)	1980	49	64

UTILITIES

AS ADVERTISED

PLAN — SURVEYED / PLOTTED / NOTE BOOK / GRADES CHECKED / ALIGNMENT CHECKED / R.O.W. CHECKED / No. / DATE

PROFILE — SURVEYED / PLOTTED / NOTE BOOK / GRADES CHECKED / ALIGNMENT CHECKED / STRUCTURE NO(S) CHECKED / No. / DATE

"0" 53+99.88 North Line

Existing R/W

10" CI — W

"0" 54+20 - Begin insulation over 40' D.I. waterline

8" D.I. waterline

"0" 55+20 - End insulation over 10" D.I. waterline

"0" 55+55, 21' Lt. Install 10" GV. and VB on existing 10" watermain

"0" 55+58 Adjust existing 10" GV. to grade, 21' Lt. Install 90° 8"x8" CI. tee on existing 10" watermain

Valve

To be abandoned

"0" 56+22, 26' Lt. Relocate existing water meter to 37' Lt.

S 64°51' E Existing Line

"0" 57+00 Begin insulation over existing 10" water main 21' Lt.

37' Lt. Sta. "0" 58+36 Begin Retaining Wall

"0" 58+54 Lt. Install 3/4" W.S. from existing main to 35' Lt. and reconnect to existing

90' Lt. Sta. "0" 58+92 End Retaining Wall

"0" 59+61 Lt. Relocate existing F.H. from 35' Lt. to 39' Lt.

10" x 10" x 6" Tee

"0" 59+99.88 North Line

S 45°35'36" E

725.00

10" D.I.

6" CI To Be Abandoned

8" ACSS

12" ACSS

SS

"0" 54+00.41 Rt. to "0" 60+00, 4' Rt. Install 600 L.F. of 10" D.I. Water Conduit

"0" 54+37 Rt. Install 3/4" W.S. from new Main to 30' Rt. and cap.

"0" 54+40 Rt. Install 16 L.F. of 6" PVC sewer conduit from sewer main to 30' Rt. and cap.

55+15 "0" 54+95 Rt. Install 3/4" W.S. from new Main to 30' Rt. and cap.

55+14 "0" 54+98 Rt. Install 16 L.F. of 6" PVC sewer conduit from sewer main to 30' Rt. and cap.

6" "0" 55+43 Rt. Install 3/4" W.S. from new Main to 29' Rt. and reconnect to existing

55+45 Rt. Install 16 L.F. of 8" PVC sewer conduit from sewer main to 30' Rt. and cap.

"0" 56+22 Rt. Install 3/4" W.S. from new Main to 30' Rt. and reconnect to existing

"0" 56+24 Rt. Install 16 L.F. of 6" PVC sewer conduit from sewer main to 30' Rt. and cap.

"0" 56+60.15' Rt. Install Sanitary M.H.

"0" 56+98 Rt. Install 3/4" W.S. from new Main to 30' Rt. and reconnect to existing

"0" 56+92 Rt. Install 16 L.F. of 6" PVC sewer conduit from existing sewer main to 30' Rt. and cap.

"0" 57+54 Rt. Install 3/4" W.S. from new Main to 30' Rt. and reconnect to existing

"0" 57+53 Rt. Install 16 L.F. of 6" PVC sewer conduit from sewer main to 30' Rt. and cap.

Existing R/W

75 70 65 60 55

80' V.C. Elev. 66.50

200' V.C. Elev. 70.88

200' V.C. Elev. 69.87

Finished Profile

Existing Ground

+2.190%

+0.501%

Existing 6" C.I.W.C.

Existing 10" C.I.W.C.

12" ACSS

8" ACSS

New 10" D.I.W.C.

BEDROCK

V.P.I. "0" 54+00.72

V.P.I. "0" 56+00.73

V.P.I. "0" 58+00.74

"0" 56+00

"0" 58+00

"0" 60+00

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	DPS-0958(3)	1980	50	64

UTILITIES

AS ADVERTISED

PLAN — Surveyed — Plotted — Note Book — Horizontal Control — R.P. or Way Checked — No. — By — Date

PROFILE — Surveyed 1/2/80 — Plotted 6-4-80 — Note Book — Vertical Control — Sta. Tie Points Checked — No. — By — Date

Sta. "0" 60+35 Lt. Begin Retaining Wall

"0" 61+00 End Insulation on Existing 10" Main.

"0" 61+05 Install 3/4" WS From Existing Main To 35' Lt. and Reconnect To Existing.

Sta. "0" 62+03 Lt. End Retaining Wall

"0" 63+78, 17' Lt. Cap and Abandon 6" D.I. Water Main to John St. Cap 6" Line at "0" 63+97, 30' Rt.

"0" 63+96, 22' Lt. Install 10" G.V. and V.B.

"0" 63+94.28' Lt. Relocate Existing FH. to 33' Lt.

"0" 64+02, 22' Lt. Install 10" G.V. and V.B.

Sta. "0" 64+75 Begin Retaining Wall.

Match Line "0" 59+99.88

10" C.I. W

10" D.I.

345° 35' 36" E

~725.00

0.82'

11 1/2

SS

12" AC

Existing R/W

Existing R/W

Existing 10" DI Water Main

10"x10"x10" Tee

To Be Abandoned

Existing 6" cross over

10"x10" Cross

10"x8" Reducer

" D.I.

6" D.I.

12" AC

Match Line "0" 64+99.88

"0" 60+00 3/4 Rt. to "0" 65+00, 3' Rt. Install 500 L.F. of 10" D.I. Water Conduit 10' Sep.

"0" 60+04 Rt. Install 8 L.F. of 8" PVC. Sewer Conduit from Existing M.H. to 24' Rt. and Cap. Reconstruct Existing M.H.

"0" 60+12, 3/4 Rt. Install 10" G.V. and V.B.

"0" 60+15 Rt. Install 20 L.F. of 8" D.I. Water Conduit from New Main to 24' Rt. and Cap. Install 8" G.V. and V.B. 8' Rt.

"0" 60+19 3/4 Rt. Install 10" G.V. and V.B.

"0" 63+12, 11' Rt. Reconstruct Existing M.H.

"0" 63+12, 11' Rt. Install 20 L.F. of 8" PVC. Sewer Conduit From Manhole to "0" 63+29, 26' Rt. and Cap.

"0" 63+95 2' Rt. Install 10" G.V. and V.B.

"0" 64+00, Install 32 L.F. of 10" D.I. Water Conduit from Existing 10" Water Main 21' Lt. to 10"x10" Reducer 10' Rt. Lt. Install 10" G.V. and V.B. at 16' Lt. & 28' Rt. Install 20 L.F. of 8" D.I. Water Conduit From Reducer to Existing 8" Line and Reconnect to 6" Reducer

"0" 64+04.2 Rt. Install 10" G.V. and V.B.

6" D.I.

JOHN ST.

"0" 64+41 2-8" ACSS. Existing

200' V.C. Elev. 72.50

Finished Profile

+0.50%

-0.54%

Existing ground

Existing 10" C.I.W.C.

12" ACSS Existing

V.P.I. "0" 63+25.74

80

75

70

65

60

"0" 60+00

"0" 62+00

"0" 64+00

AS ADVERTISED

UTILITIES

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	DPS-0958 (3)	1980	51	64

PLAN — DATE — SURVEYED — DRAWN — TRACED — NOTE BOOK — CHECKED — No. — STRUCTURE NO. — STRUCTURE LOCATIONS CHECKED

"0" 65+00.3 Rt. to "0" 67+35.3 Rt. install 235 L.F. of 10" D.I. water conduit.

"0" 65+80.4 Rt. Reconstruct 12 existing M.H.

"0" 65+83.18' Lt. cap and abandon 4" D.I.

"0" 66+98.18' Lt. cap and abandon 4" C.I.

"0" 67+03.33' Lt. relocate existing fire hydrant from 31' Lt.

"0" 67+30.21' Lt. install 10" G.V. and V.B. & 7135, install 10" G.V. and V.B.

Existing 12" to 10" reducer

"0" 67+35 install 24 L.F. of 10" D.I. water conduit from existing 12" water main 21' Lt. to new 10" water main 4' Rt. Install 10" G.V. and V.B. at 2' Lt.

"0" 67+38.21' Lt. install 12" G.V. and V.B. on existing 12" main.

"0" 68+29' Lt. relocate existing H.H. to 32'

"0" 68+93.29' Lt. relocate existing H.H. to 34'

Sta. "0" 69+55 Begin Retaining Wall.

69+98 Sta. "0" End Retaining Wall.

Existing R/W

Match Line "0" 64+99.88

Match Line "0" 70+99.85

10" D.I.

12" D.I.

To be abandoned

4" D.I.

10"

12"

S 45° 35' 36" E

12"x12"x10" Tee

10"x10"x10" Tee

~1456.17

DAVID ST.

Existing R/W

22½° bend

8"

90° 45° bend

4" C.I.

"0" 67+35.3' Rt. install 35 L.F. of 8" D.I. water conduit from new 10" watermain to 38' Rt. reconnect to 6" C.I. water line thru 8"x4" reducer. Install 8" G.V. and V.B. at 1' Rt.

"0" 67+30.3' Rt. install 10" G.V. and V.B.

"0" 68+69 Rt. install 1" W.S. from 18" Rt. to 25' Rt. and reconnect to existing

"0" 69+04 Rt. install 2" W.S. from 14' Rt. to 25' Rt. and reconnect to existing service.

"0" 69+43 Rt. install ¾" W.S. from 14' Rt. to 25' Rt. and reconnect to existing service.

Existing Ground

Finished Profile

-0.576%

-1.200%

100' V.C. Elev. 71.00

"0" 66+56 Rt. ¾" W.S. connect to existing

V.P.I. "0" 66+00.74

12" AC

Existing 10" D.I.W.C.

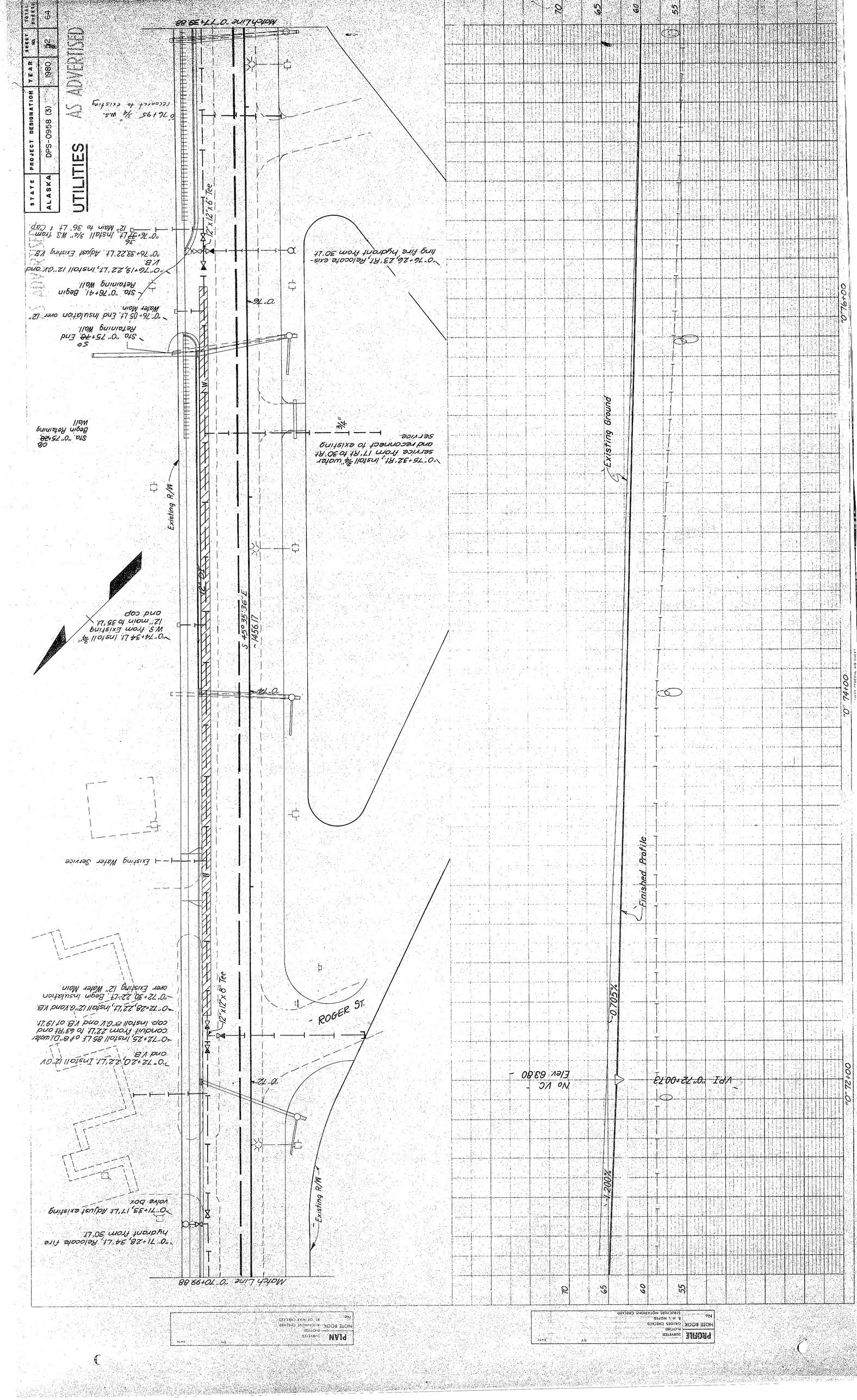
New 10" D.I.W.C.

Existing 12" D.I.W.C.

75 70 65 60 55

"0" 65+00 "0" 66+00 40+00 "0" 68+00 12+00 "0" 70+00 "0" 71+00

PROFILE — SURVEYED — DRAWN — TRACED — NOTE BOOK — CHECKED — No. — S. A.'s NOTED — STRUCTURE NO'S & LOCATIONS CHECKED


UTILITIES
AS ADVERTISED
STATE
ALASKA
PROJECT DESIGNATION
DPS-0958 (3)
YEAR
1980
SHEET NO.
82
TOTAL SHEETS
84
Match Line "0"78+39.88
Match Line "0"70+99.88
"0" 78+95 3/4" W.S. recovered to existing
"0" 78+26.23' Rt. Relocate existing fire hydrant from 30.0' Lt
"0" 75+32 Rt. Install 3/4" water service from 17' Rt to 30' Rt and reconnect to existing service.
Sta. "0" 75+28 Begin Retaining wall
Sta. "0" 75+78 End Retaining Wall.
"0" 76+05 Lt. End Insulation over 12" Water Main.
Sta. "0" 76+41. Begin Retaining Wall.
"0" 76+19.22 Lt. Install 12" GV and V.B.
"0" 76+33.22 Lt. Adjust Existing V.B.
"0" 76+37 Lt. Install 3/4" WS from 12" Main to 36' Lt ± Cap
12"x12"x6" Tee
"0" 74+34 Lt. Install 3/4" W.S. from Existing 12" main to 35' Lt and cap
S 45° 35' 36" E
~ 145617
Existing R/W
Existing Water Service
12"x12"x8" Tee
"0" 72+25, Install 85 Lf of 8" PL water conduit from 22' Lt to 63' Rt and cap Install @ GV and V.B. at 19' Lt
"0" 72+28.22' Lt, Install 12" GV and V.B.
"0" 72+30 22' Lt, Begin Insulation over Existing 12" Water Main.
"0" 72+20, 22' Lt. Install 12" GV and V.B
"0" 71+33, 17' Lt Adjust existing valve Box
"0" 71+28, 34' Lt. Relocate fire hydrant from 30' Lt
ROGER ST.
Existing R/W
Existing Ground
Finished Profile
-0.705%
-1.200%
VPI "0" 72+00 73
No VC
Elev 63.80
"0" 72+00
"0" 73+00
"0" 74+00
70
65
60
55
PROFILE
SURVEYED
NOTES
NOTE BOOK
CHECKED
CHECKED
E. & S. NOTES
No.
SUBSIDIARY NOTEBOOK CHECKED
PLAN
SURVEYED
NOTES
NOTE BOOK
CHECKED
CHECKED
BY OF MAY CHECKED
No.

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	DPS-0958(3)	1980	53	64

AS ADVERTISED

UTILITIES

PLAN — SURVEYED / PLOTTED / NOTE BOOK / CALCULATIONS CHECKED / No. / BY / DATE / BY / CHECKED

PROFILE — SURVEYED / PLOTTED / NOTE BOOK / CALCULATIONS CHECKED / No. / BY / DATE / BY / CHECKED

"O" 77+45 Lt. Install 3/4" W.S. from 12" Main to 35' Lt. and cap.

"O" 78+00 23' Lt. Begin insulation over 12" water main

S 45°35'36" E

"O" 77+81.15 P.C.

Existing R/W

Match Line "O" 77+39.88

"O" 79+57 19' Lt. Install 12" G.V. & V.B.

Sta. "O" 79+66 Install 45 L.F. of 8" D.I. water conduit from existing main 19' Lt. to 26' Rt. and cap. Install 8" G.V. & V.B. 5' Lt.

"O" 79+66 19' Lt. Install 171 L.F. of 8" D.I. water conduit from existing 12" Main to 36' Lt. and cap. Install 8" G.V. & V.B. at 32' Lt.

"O" 79+70 19' Lt. adjust existing V.B.

"O" 80+00 19' Lt. End Insulation over 12" water main

Sta. "O" 80+44 Lt. End Retaining Wall

Sta. "O" 80+54 Lt. Begin Retaining Wall

"O" 81+15 End Wall

"O" 82+29 Beg. Wall

"O" 82+42.86 P.T.

12" x 12" x 8" Tee

12" x 12" x 8" Tee

"O" 78+00

"O" 80+00

"O" 82+00

S 53° 40' 24" E

~93.69

Match Line "O" 83+49.88

"O" 79+25 Rt. Relocate existing F.H. from 30' Lt.

"O" 78+35 Rt. Install 3/4" W.S. from 16' Rt. to 25' Rt. and reconnect to existing

"Existing water service from water source above the highway shall be maintained during construction and any adjustment of the facility required for continued operation shall be incidental to other items of work 1½" copper inside 2" R.S. conduit 5' deep Location Approximate"

PI "O" 80+12.39

PC "O" 83+36.83

"O"
Δ = 8°04'48"
D = 1°45' Lt.
T = 231.24'
L = 461.71'
R = 3274.045'
S = 0.023'/ft.

Existing R/W

PROFILE

Existing Ground

Finished Profile

-0.705%

+0.582%

+1.636%

-150' V.C. Elev. 58.69

-100' V.C. Elev. 59.71

-100' V.C. Elev. 63.80

V.P.I. "O" 79+25.88

V.P.I. "O" 81+01.09

V.P.I. "O" 83+51.20

70
65
60
55
50

"O" 78+00

"O" 80+00

"O" 82+00

STATE	PROJECT DESIGNATION	YEAR	SHEET	TOTAL SHEETS
ALASKA	DPS-0958 (3)	1980	64	64

AS ADVERTISED

UTILITIES

Match Line "0"88+99.88

S 44° 33' 02" E
~ 607.68'

PI "0"88+57.81

"0"88+

Existing R/W

"0"87+00, Install 55 L.F. of 8" Ø. water conduit 28' Lt from existing 12" main 28' Lt to 27' Rt and Cap. Install 8"Ø V.B. and V.B. 25' Lt

"0"87+05, 28' Lt. Install 12"Ø V.B.

"0"86+90, 28' Lt, Adjust V.B.

8"Ø.

12" x 12" x 8" Tee

"0"86~

PI "0"85+97.73

Δ = 99°07'22"
D = 9°45' Rt.
T = 261.30'
L = 521.74'
E = 347.0045
S = 0.023'/ft.

"0"84~

Existing R/W

Sta "0"84+85 End Retaining Wall

83+90 ℄

"0"83+70 L.T. to "0"84+10 contractor to verify 12" waterline location prior to wall construction.

Match Line "0"83+49.88

Existing Ground

Finished Profile

~ +0.000%

~ -1.150%

~ -3.716%

~ VPI "0"88+00.00
~ 100' VC
~ Elev. 74.67

~ VPI "0"88+50.00
~ 100' VC
~ Elev. 72.94

~ VPI "0" 85+50.00
~ 100' VC
~ Elev. 70.42

~ VPI "0" 84+75.00
~ 50' VC
~ Elev. 68.40

~ VPI "0"83+51.20
~ 100' VC
~ Elev. 63.80

"0" 88+00

"0" 86+00

"0" 84+00

75 70 65 60

75 70 65 60

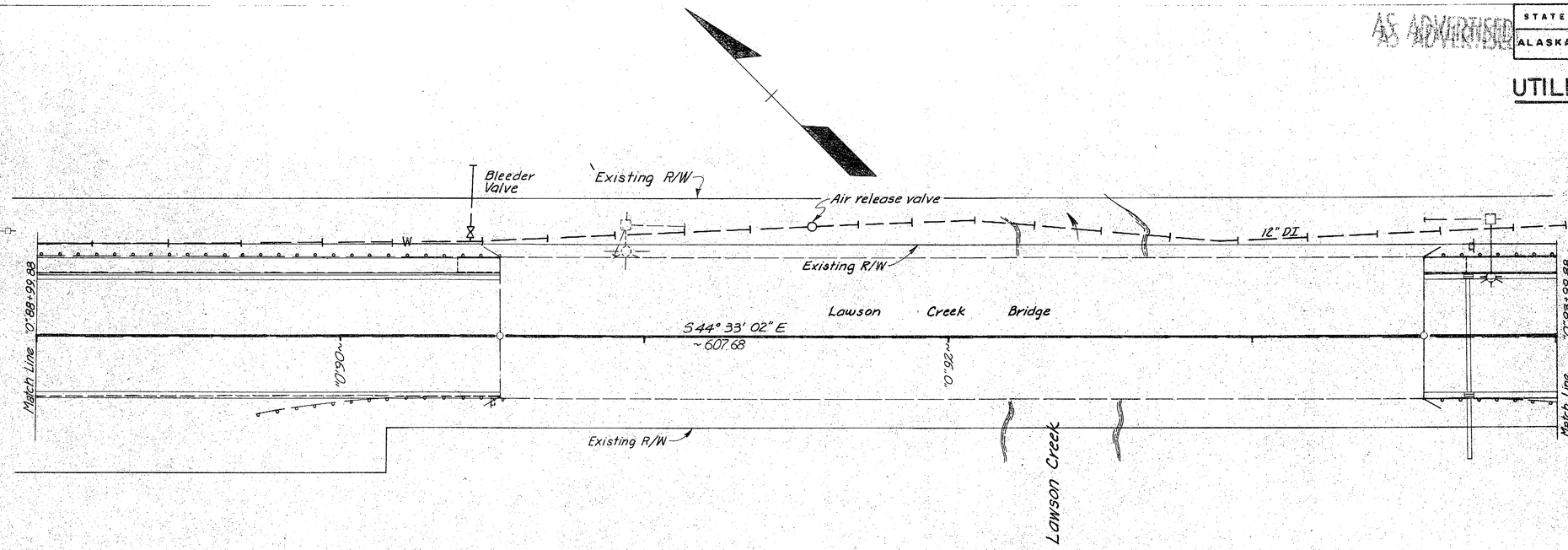
PROFILE
Surveyed
Plotted
Note Book
Checked
Traced
Corrections Checked
No.
By
Date

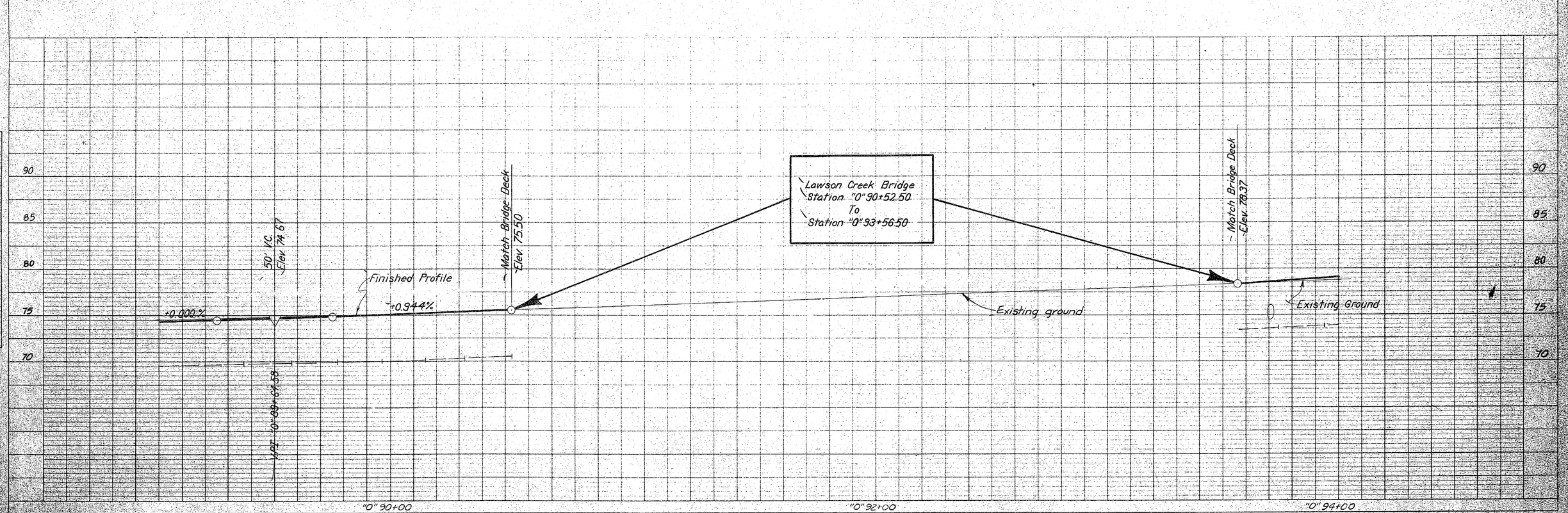
PLAN
Surveyed
Plotted
Note Book
Attendant Checked
Sh. Of Mat Checked
No.
By
Date

AS ADVERTISED

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	DPS-0958 (3)	1980	55	64

UTILITIES





PLAN — SURVEYED, DRAWN, TRACED, NOTE BOOK, ALIGNMENT CHECKED, R/W OR WAY CHECKED, No., DATE, BY

PROFILE — SURVEYED, DRAWN, NOTE BOOK, GRADES CHECKED, E. & I. NOTED, SPECIFICATIONS CHECKED, No., DATE, BY

AS ADVERTISED

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	DPS-0958 (3)	1980	56	64

UTILITIES

"O"
Δ=1°15'26"
D=0°45' Lt.
T=83.82'
L=167.63
R=7639.473'
S=Normal Crown

Existing R/W

P.C. 94+50.49

6"DI

Control Valve

W

P.T. 96+24.12

12"DI

W

"Q" 97+50.35 Lt. to "Q" 97+90.35 Lt.
Install Insulation over 12" Water Main

P.C. 98+03.34

3/4"~

Match Line "O" 93+99.88

S 44° 33' 02" E
607.68'

S 45° 48' 28" E
~179.22

"O" 96~

"O" 98~

Match Line "O" 98+99.88

P.T. 95+40.31

Existing R/W

"O"
Δ=0°58'05"
D=0°30' Rt.
T=96.81'
L=193.61
R=11,459.156
S=Normal Crown

Sta. "O" 98+15, Begin Retaining Wall

PLAN
DRAWN
TRACED
NOTE BOOK
No.
SUBMITTED
ENGINEER CHECKED
BY CM WAY CHECKED
DATE

PROFILE
DRAWN
TRACED
NOTE BOOK
No.
GRADES CHECKED
BY CM WAY CHECKED
STRUCTURE ELEVATIONS CHECKED
DATE

85
80
75
70

100' V.C. Elev. 78.84

+3.209%

Finished Profile

50' V.C. Elev. 81.84

+4.353%

No V.C. Elev. 88.40

+4.175%

200' V.C. Elev. 96.75

Existing Ground

77

V.P.I. "O" 94+08.50

V.P.I. "O" 95+00.00

V.P.I. "O" 96+50.71

V.P.I. "O" 98+50.72

100
95
90
85
80
75

"O" 94+00

"O" 96+00

"O" 98+00

AS ADVERTISED

STATE	PROJECT DESIGNATION	YEAR	SHEET NO	TOTAL SHEETS
ALASKA	DPS-0958(3)	1980	57	64

UTILITIES

PLAN
SCALE: 1" = 50'
DATUM OF ELEVATIONS: MEAN SEA LEVEL
NOTE BOOK: GRADES CHECKED
R/W = NORTH
STRUCTURE INSTALLATIONS CHECKED

PROFILE
SCALE: HORIZONTAL 1" = 50'
VERTICAL 1" = 5'
NOTE BOOK: GRADES CHECKED
R/W = NORTH
STRUCTURE INSTALLATIONS CHECKED

Match Line "0" 98+99.88

"0" 99+48.23 LT. ~"0" 99+49.22 Lt. Adjust Existing V.B.

"0" 100+85.21 Lt. Install manhole for air release valve. See Detail Sheet no. 45.

"0" 102+99 Lt. Install ¾" W.S. from existing 12" main to 36' Lt. and cap.

"0" 102+91, 22 Lt. Install 12" G.V. and V.B.

"0" 102+85 Install 75 L.F. of 8" D.I. water conduit from 12" main 22 Lt. to 50 Ft. and cap. Install 8" G.V. and V.B. 16' Lt.

"0" 102+69, 22 Lt. Install 12" G.V. and V.B.

"0" 103+11 Lt. Install ¾" W.S. from existing 12" main to 36' Lt. and cap.

"0" 103+96 Lt. Install ¾" W.S. from existing 12" main to 36' Lt. and cap.

"0" 104+85, 25 Lt. Adjust V.B.

"0" 104+93, 24 Lt. Adjust V.B.

Match Line "0" 104+99.88

Existing R/W

12" DI

12"x12"x6" Tee

Air release valve

S 44°50'23" E
~1842.91'

"0" 100+00

"0" 102+00

"0" 104+00

Existing R/W

PI "0" 99+00.15

PT "0" 99+96.95

"0"
Δ = 0°58'05"
D = 0°30' Rt.
T = 96.81'
L = 193.61'
R = 11459.16
S = Normal Crown

Sta. "0" 100+34 End Retaining Wall.

~250' V.C.
Elev. 103.20

V.P.I. "0" 101+50.67

+2.150%

-1.166%

Existing ground

Finished Profile

105
100
95
90
85

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	DPS-0958 (3)	1980	58	64

AS ADVERTISED

UTILITIES

"0" 105+73 Lt. Install 3/4" W.S. from 12" main to 36' Lt. and cap.

65

"0" 106+76 Lt. Install 3/4" W.S. from 12" main to 36' Lt. and cap.

45

"0" 107+47 Lt. Install 3/4" W.S. from 12" main to 36' Lt. and cap.

"0" 108+11 Lt. Install 3/4" W.S. from 12" main to 36' Lt. and cap.

"0" 108+87 Lt. Install 3/4" W.S. from 12" main to 36' Lt.

"0" 109+57 Lt. Install 3/4" W.S. from 12" main to 36' Lt. and cap.

"0" 110+12, 24' Lt. adjust V.B.

"0" 110+27 Lt. Install 3/4" W.S. from 12" main to 36' Lt. and cap

"0" 110+91 Lt. Install 3/4" W.S. from 12" main to 36' Lt. and cap.

Existing R/W

Match Line "0" 104+98.88

W

"0" 106+

S 44°50'23" E
~ 1842.91'

"0" 108+

"0" 110+

Existing R/W

Match Line "0" 110+92.88

PLANS
PROFILE
NOTE BOOK
No.

SURVEYED
PLOTTED
GRADES CHECKED
ALIGNMENT CHECKED
STRUCTURE LOCATIONS CHECKED

DATE

-1.187%

-300' V.C.
Elev. 97.08

V.P.I. "0" 106+75.67

Finished Profile

+1.204%

Existing ground

105
100
95
90
85

"0" 106+00

"0" 108+00

"0" 110+00

AS ADVERTISED

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	DPS-0958 (3)	1980	59	64

UTILITIES

"0" 111+63 Lt. Install ¾" W.S. from 12" main to 36' Lt. and cap

"0" 112+35 Lt. Install ¾" W.S. from 12" main to 36' Lt. and cap

"0" 113+75 Lt. Install ¾" W.S. from 12" main to 36' Lt. and cap

"0" 114+47 Lt. Install ¾" W.S. from 12" main to 36' Lt. and cap

114+69 22 LT

114+81 22 LT

114+00 "0" 115+20 Lt. Install ¾" W.S. from 12" main to 36' Lt. and cap

"0" 115+31 Lt. Adjust Existing V.B.

"0" 115+35 Lt. Adjust Existing V.B.

"0" 115+37 Lt. Adjust Existing V.B.

Existing R/W

Match Line "0" 110+90.88

12" DI

W

S 44°50'23"E ~1842.91

"0" 112 ~

"0" 114 ~

"0" 116 ~

8" AC.

SS

Match Line "0" 116+93.70

10" DI

6" DI

GENEVA WOODS ACCESS

"0" 115+11 Rt. adjust existing V.B.

"0" 115+56.18 Rt. adjust existing V.B.

ELEC. CONDUIT

Existing R/W

NOTE:
Adjustment of 6" DI water, 8" AC sewer or PVC conduits due to installation of under-drain shall be considered incidental to other items of work.

PLAN
DATE
SCALE 1" = 40'
NOTE BOOK
PAGE NO.
CHECKED BY
DRAWN BY

PROFILE
DATE
SCALE 1" = 40' HOR.
1" = 4' VERT.
NOTE BOOK
PAGE NO.
CHECKED BY
DRAWN BY

110
105
100
95

"0" 112+00
"0" 114+00
"0" 116+00

+1.204%
+1.241%

-No V.C.
Elev. 103.40

V.P.I. "0" 112+00.67

Existing ground

Finished Profile

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	DPS-0958 (3)	1980	60	64

AS ADVERTISED

UTILITIES

"0"
Δ=2°49'34"
D=1°22'13"
T=103.14'
L=206.24'
R=4181.362
S=Normal Crown

Match Line "0" 116+93.70

P.C. "0" 118+39.86

Existing R/W

S44° 50' 23" E
~184.91'

W 10"

"0" 118"

"0" 120"

P.T. "0" 119+45.00

"0" 119+82.15 Rt. Adjust exist. 1"8

P.C. "0" 120+46.10

S 47°39'57" E
~0.02

P.T. "0" 120+46.10

Existing R/W

"0" 121+39.27

S 45° 39' 50" E

Match Line

"0"
Δ=2°00'07"
D=0°58'14" Rt.
T=103.14
L=206.27'
R=5903.400
S=Normal Crown

END OF PROJECT
DPS-0958 (3)
"0" 121+39.27 P.O.T. =
"L" 94+39.00 P.O.T.

PLAN
SURVEYED
PLOTTED
NOTE BOOK ALIGNMENT CHECKED
BY
No. OFF WAY CHECKED
DATE

PROFILE
SURVEYED
PLOTTED
NOTE BOOK GRADES CHECKED
BY
No. STRUCTURES NOT SHOWN CHECKED
DATE

120
115
110
105
100
95

+1.241%

Finished Profile

250' V.C.
Elev. 112.40

-0.954%

Existing ground

Match Existing
Elev. 110.26

V.P.I. "0" 119+25.75

E.O.P. "0" 121+49.84

"0" 118+00

"0" 120+00

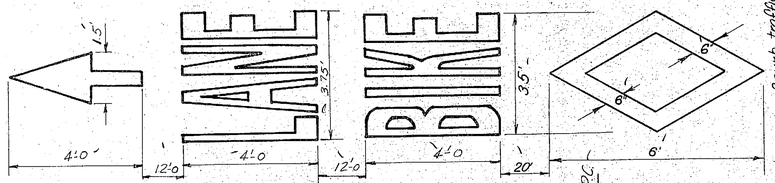
"0" 122+00

110
105
100
95

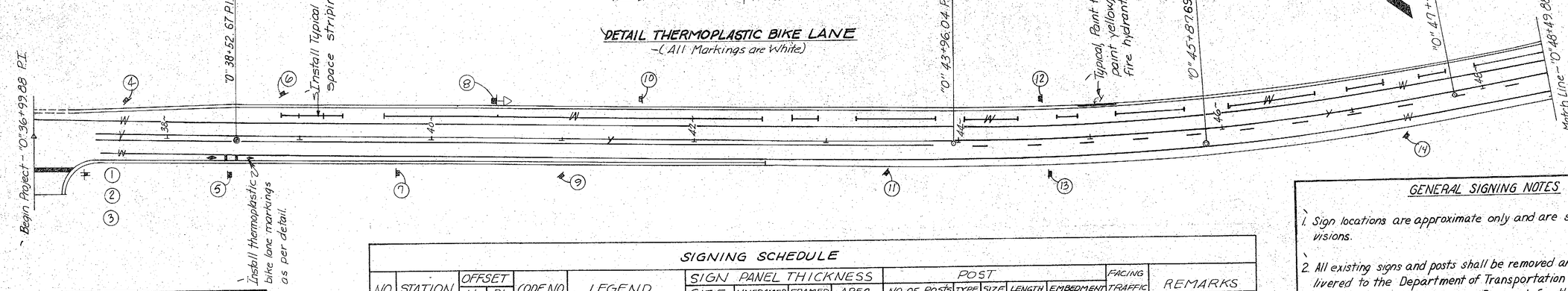
AS ADVERTISED

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	DPS-0958 (3)	1980	61	64

SIGNING AND STRIPING



DETAIL THERMOPLASTIC BIKE LANE
-(All Markings are White)



GENERAL STRIPING NOTES

1. The following pavement marking shall be thermoplastic Type A: all yellow centerline markings, stop bars, arrows and bike lane symbols. ~~All other markings shall be painted.~~ 4" WHITE Shoulder markings shall be Thermoplastic.

2. Markings as shown in the plan are approximate only. The exact locations shall be determined after grade is complete. The contractor is responsible for all layout.

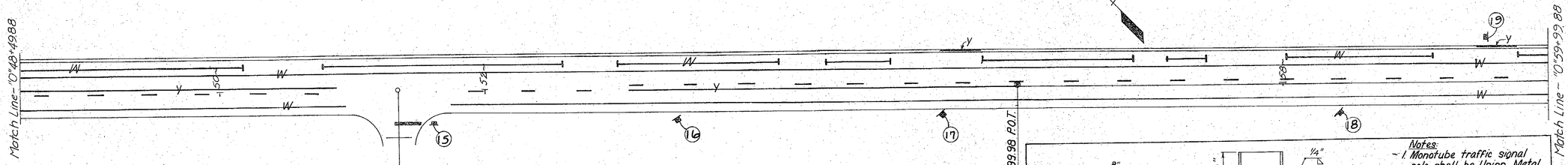
3. Markings for parking shall be TYPE "B" as shown on Standard Drawing T-20.03.

SIGNING SCHEDULE

NO.	STATION	OFFSET Lt.	OFFSET Rt.	CODE NO.	LEGEND	SIGN PANEL THICKNESS SIZE	UNFRAMED	FRAMED	AREA	POST NO. OF POSTS	POST TYPE	POST SIZE	POST LENGTH	POST EMBEDMENT	FACING TRAFFIC	REMARKS
1	"0" 37+39		27	D3-1	Douglas Hwy.	42x8	.080	—	2.33	—		2in.	—	3ft.	EB	Install Above 3
2	"0" 37+39		27	D3-1	Cordova St.	42x8		—	2.33	—			—		SB	Install Above 3
3	"0" 37+39		27	R1-1	Stop	30x30		—	6.25	1			10.5		EB	
4	"0" 37+90	32		R7-101D	No Parking Any time	12x18		—	1.5	1	#3		9.5		NB	
5	"0" 38+47		24	R3-11A	Bicycles Only	24x30		—	5.0	1			8.0		SB	
6	"0" 38+87	34		R7-101L	No Parking Any time	12x18		—	1.5	1			9.5		NB	
7	"0" 39+75		23	R2-1	Speed Limit 30	30x36		—	7.5	1		2in.	9.0	3ft.	SB	
8	"0" 40+60	32		S5-1	School Speed Limit 20	24x48		—	8.0	1		—	12.0	—	NB	See Detail Below
9	"0" 40+99		25	R7-9	No Parking Bike Lane	12x18		—	1.5	1		2in.	7.5	3ft.	SB	
10	"0" 41+61	32		S1-1	School Advance	36x36		—	9.0	1	See General Note		12.0	—	NB	See Post Detail, Sht. 62
11	"0" 43+46		23	R7-9	No Parking Bike Lane	12x18		—	1.5	1			7.5	3ft.	SB	
12	"0" 44+63	32		R2-1	Speed Limit 30	30x36		—	7.5	1			13.0		NB	
13	"0" 44+66		22	R2-1	Speed Limit 40	30x36		—	7.5	1			9.0		SB	
14	"0" 47+37		23	R7-9	No Parking Bike Lane	12x18		—	1.5	1			9.0		SB	
15	"0" 51+62		25	R1-1	Stop	30x30		—	6.25	1			9.0		WB	
16	"0" 53+45		23	R7-9	No Parking Bike Lane	12x18		—	1.5	1			6.5		SB	
17	"0" 54+44		22	R7-9	No Parking Bike Lane	12x18		—	1.5	1			7.5		SB	
18	"0" 58+43		23	R7-9	No Parking Bike Lane	12x18		—	1.5	1			6.0		SB	
19	"0" 59+53	33		R2-1	Speed Limit 40	30x36	.080	—	7.5	1		2in.	12.0	3ft.	NB	

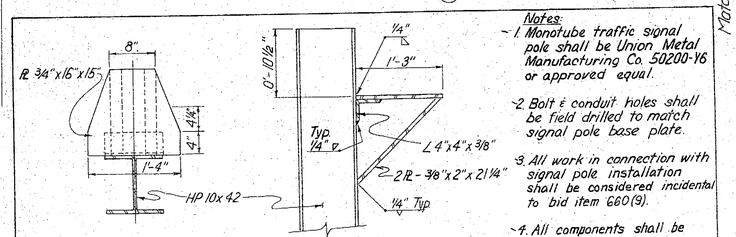
GENERAL SIGNING NOTES

1. Sign locations are approximate only and are subject to minor revisions.
2. All existing signs and posts shall be removed and salvaged and delivered to the Department of Transportation and Public Facilities at mile 7 Old Glacier Highway. Payment for this item of work shall be considered incidental to item 615(1) Standard Sign, and no separate payment will be made therefore.
3. All sign posts shall be telescoping perforated galvanized steel; the 2" size shall be used above ground and the 2¼" shall be used below ground.
4. All D3-1 street name signs shall have the legend on both faces.
5. All parking signs shall face 45 degrees to traffic.
6. Sign post length includes the one foot telescope inside the base.



ESTIMATE OF ROADWAY MARKING QUANTITIES

MATERIAL	TYPE	QUANTITY
~~Paint~~ Thermoplastic	4" White Shoulder/Parking	21,200 Lin. ft.
Paint	Yellow Curb	180 Lin. ft.
Thermoplastic	4" Yellow Centerline	9700 Lin. ft.
Thermoplastic	24" White Crosswalk/Stop Bar	310 Lin. ft.
Thermoplastic	White "Bike Lane" w/ Arrow & Diamond	5 each



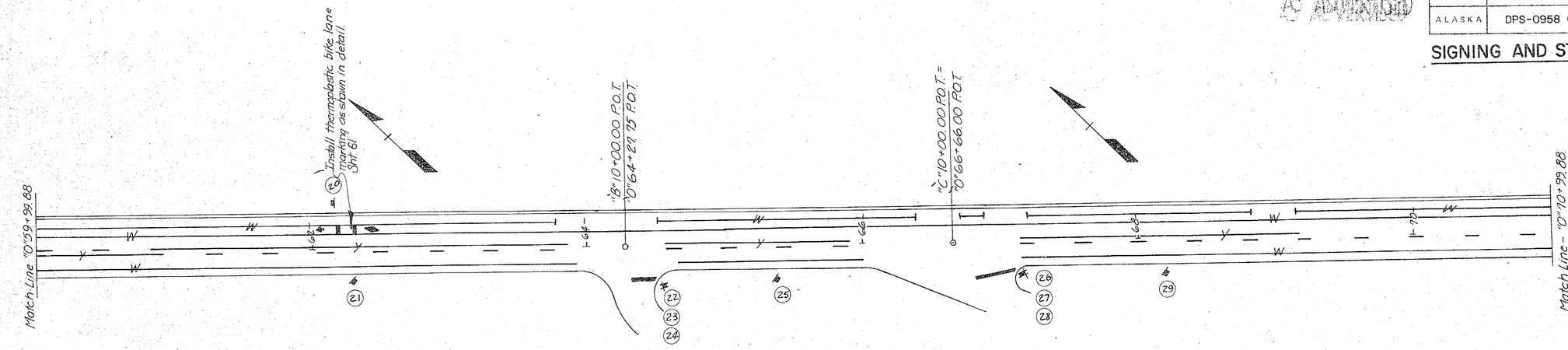
SPECIAL SIGN POST CONNECTION DETAIL

Notes:
1. Monotube traffic signal pole shall be Union Metal Manufacturing Co. 50200-Y6 or approved equal.
2. Bolt & conduit holes shall be field drilled to match signal pole base plate.
3. All work in connection with signal pole installation shall be considered incidental to bid item 660(3).
4. All components shall be galvanized.

AS ADVERTISED

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	DPS-0958 (3)	1980	62	64

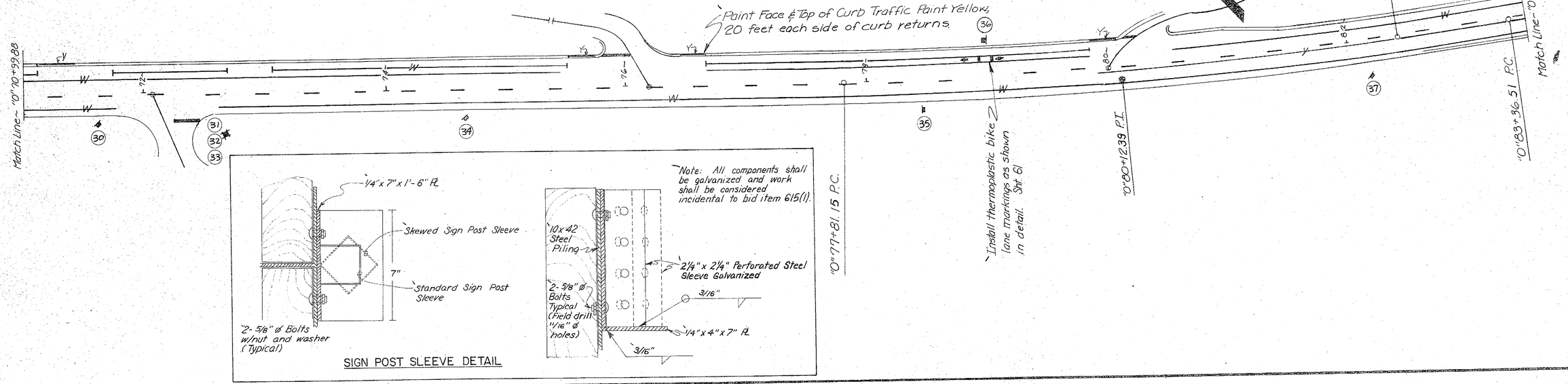
SIGNING AND STRIPING



SIGNING SCHEDULE

NO.	STATION	OFFSET Lt.	OFFSET Rt.	CODE NO.	LEGEND	SIGN PANEL THICKNESS SIZE	UNFRAMED	FRAMED	AREA	POST NO. OF POST'S	POST TYPE	POST SIZE	POST LENGTH	POST EMBEDMENT	FACING TRAFFIC	REMARKS
20	"D" 62+15	34		R3-11A	Bicycles Only	24 x 30	.080	–	5.0	1		2 in.	12.0	3 feet	NB	
21	"D" 62+29		20	R7-9	No Parking Bike Lane	12 x 18		–	1.5	1			10.0		SB	
22	"D" 64+55		28	D3-1	Douglas Hwy.	42 x 8		–	2.33	–			–		EB	Install Above 24
23	"D" 64+55		28	D3-1	John St.	36 x 8		–	2.00	–			–		SB	Install Above 24
24	"D" 64+55		28	R1-1	Stop	30 x 30		–	6.25	1	#3		10.0		EB	
25	"D" 65+37		23	R7-9	No Parking Bike Lane	12 x 18		–	1.5	1			8.5		SB	
26	"D" 67+14		24	D3-1	Douglas Hwy.	42 x 8		–	2.33	–			–		EB	Install Above 28
27	"D" 67+14		24	D3-1	David St.	42 x 8		–	2.33	–			–		SB	Install Above 28
28	"D" 67+14		24	R1-1	Stop	30 x 30		–	6.25	1			9.5		EB	
29	"D" 68+19		23	R7-9	No Parking Bike Lane	12 x 18		–	1.5	1			7.0		SB	
30	"D" 71+61		22	R7-9	No Parking Bike Lane	12 x 18		–	1.5	1			8.0		SB	
31	"D" 72+67		33	D3-1	Douglas Hwy	42 x 8		–	2.33	–			–		EB	Install Above 33
32	"D" 72+67		33	D3-1	Roger St.	42 x 8		–	2.33	–			–		SB	Install Above 33
33	"D" 72+67		33	R1-1	Stop	30 x 30		–	6.25	1			10.0		EB	
34	"D" 74+66		23	R7-9	No Parking Bike Lane	12 x 18		–	1.5	1			8.0		SB	
35	"D" 78+45		24	R2-1	Speed Limit 40	30 x 36		–	7.5	1			8.0	3 feet	SB	
36	"D" 79+00	32		R3-11A	Bicycles Only	24 x 30		–	5.0	1			11.5	–	NB	See Post Detail below
37	"D" 82+17		29	R7-9	No Parking Bike Lane	12 x 18		–	1.5	1			8.0	3 feet	SB	
38	"D" 83+38	37		R7-101R	No Parking Anytime	12 x 18	.080	–	1.5	1		2 in.	10.5	3 feet	NB	See Post Detail below

See Signing General Note #3

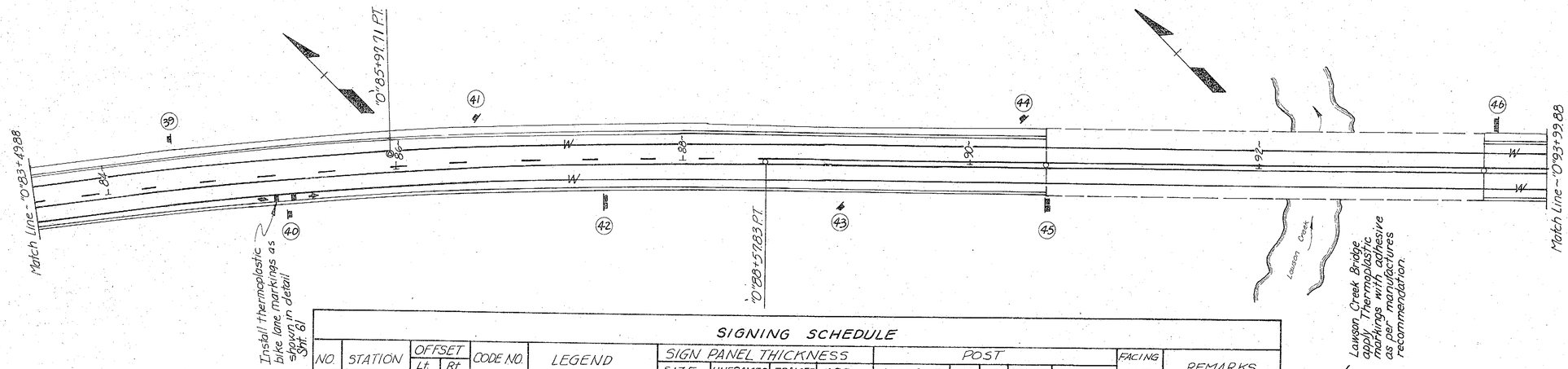


SIGN POST SLEEVE DETAIL

AS ADVERTISED

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	DPS-0958(3)	1980	63	64

SIGNING AND STRIPING



SIGNING SCHEDULE

NO.	STATION	OFFSET Lt.	OFFSET Rt.	CODE NO.	LEGEND	SIGN PANEL THICKNESS SIZE	UNFRAMED	FRAMED	AREA	POST NO. OF POSTS	TYPE	SIZE	LENGTH	EMBEDMENT	FACING TRAFFIC	REMARKS
39	"0"84+45	33		R2-1	Speed Limit 40	30x36	.080	—	7.5	1		2in.	11.0 ft	3 feet	NB	
40	"0"85+22		27	R3-11A	Bicycles Only	24x30		—	5.0	1			8.5		SB	
41	"0"86+56	28		R7-101D	No Parking Anytime	12x18		—	1.5	1			9.5		NB	
42	"0"87+46		31	I-2A	Douglas Service Area	72X 36		—	18.0	2			16.0		SB	
43	"0"89+10		30	R7-9	No Parking Bike Lane	12x18		—	1.5	1			7.5		SB	
44	"0"90+35	28		R7-101D	No Parking Anytime	12x18		—	1.5	1			10.0		NB	
45	"0"90+50		28	I-3	Lawson Creek	54X24		—	9.0	2			16.0		SB	
46	"0"93+65	30		I-3	Lawson Creek	54X24		—	9.0	2			22.0		NB	
47	"0"96+05	28		R7-101D	No Parking Anytime	12x18		—	1.5	1			10.0		NB	
48	"0"97+48	35		D3-1	Douglas Hwy	42X 8		—	2.33	—			—		SB	Install Above #50
49	"0"97+48	35		D3-1	Lawson Ck. AC.	46X 8		—	2.55	—			—		WB	Install Above #50
50	"0"97+48	35		R1-1	Stop	30x30		—	6.25	1			11.0		NB	
51	"0"97+52		28	R7-9	No Parking Bike Lane	12x18		—	1.5	1			7.5		WB	
52	"0"99+04	28		R7-101D	No Parking Anytime	12x18		—	1.5	1			10.0		NB	
53	"0"102+57	29		R7-101D	No Parking Anytime	12x18		—	1.5	1			11.0		NB	
54	"0"104+04	30		D3-1	Douglas Hwy	42X 8		—	2.33	—			—		WB	Install Above #56
55	"0"104+04	30		D3-1	First St	42X 8		—	2.33	—			—		NB	Install Above #56
56	"0"104+04	30		R1-1	Stop	30x30		—	6.25	1			12.0		WB	
57	"0"104+71		28	R7-9	No Parking Bike Lane	12x18	.080	—	1.5	1		2in.	8.0	3 feet	SB	

See Signing General Note #3