STATE	ROUTE DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	F-095-8(12)	1967	1	32

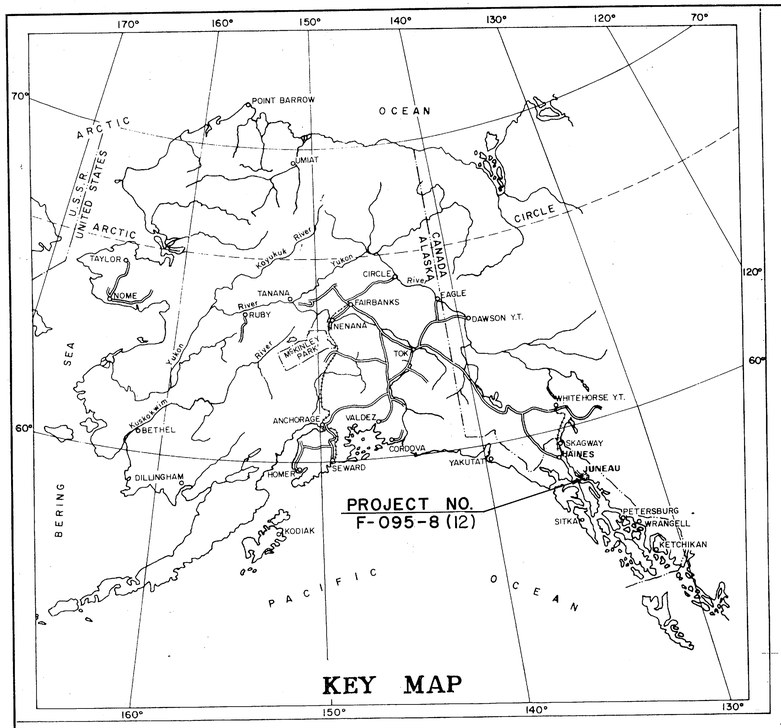
STATE OF ALASKA
DEPARTMENT OF HIGHWAYS

PLAN AND PROFILE
PROPOSED HIGHWAY PROJECT

F-095-8(12)

THIRD STREET IN DOUGLAS
GRADING, DRAINAGE, PAVING,
ROAD SIDE BEAUTIFICATION
& UTILITY RELOCATION

As-Built Plans
contractor: S.S. Mullen Inc.



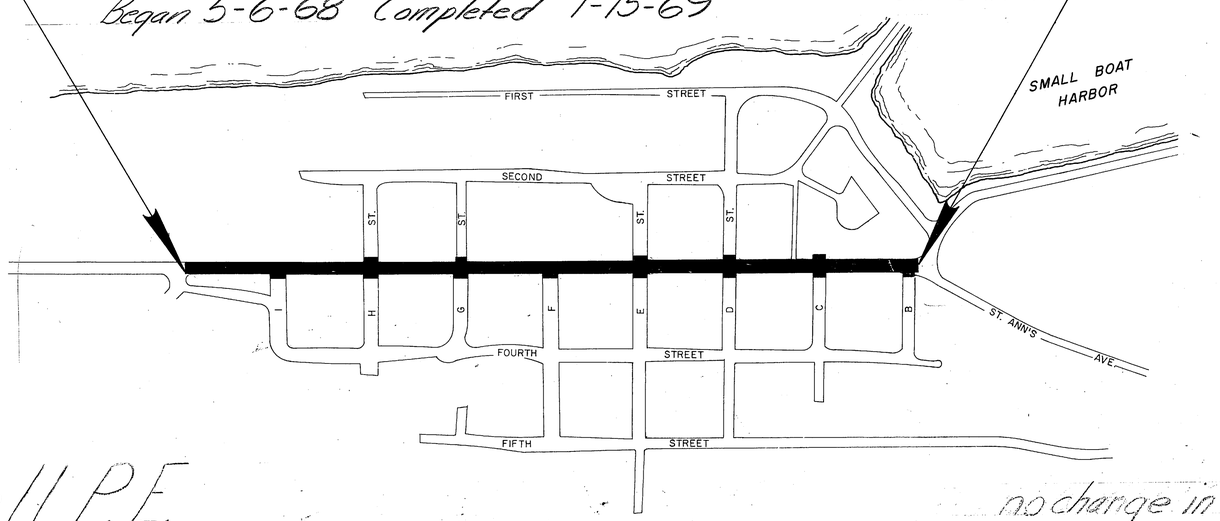
92+73.435

GASTINEAU CHANNEL

BEGIN PROJECT
STA. "0" 93+70

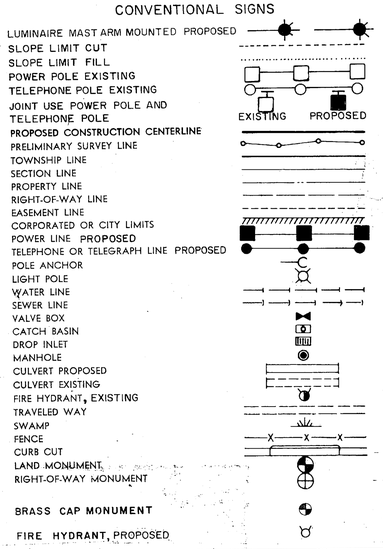
END PROJECT
STA. "0" 114+50

Began 5-6-68 Completed 7-15-69



INDEX OF SHEETS

CONVENTIONAL SIGNS



DESIGN DESIGNATION

ADT (1966) = 2800
ADT (1986) = 6650
DHV 12% = 798
D = 45-55
T = 5%
V = 35 M.P.H.

PROJECT SUMMARY

WIDTH OF ROADWAY	44'
WIDTH OF PAVEMENT	41'
LENGTH OF GRADING	2165.20= 0.429mi.
LENGTH OF PAVING	2080.00= 0.394mi.
LENGTH OF PROJECT	2080.00= 0.394mi.
TEMPORARY TRANSITION	0+00 to 0+85.2

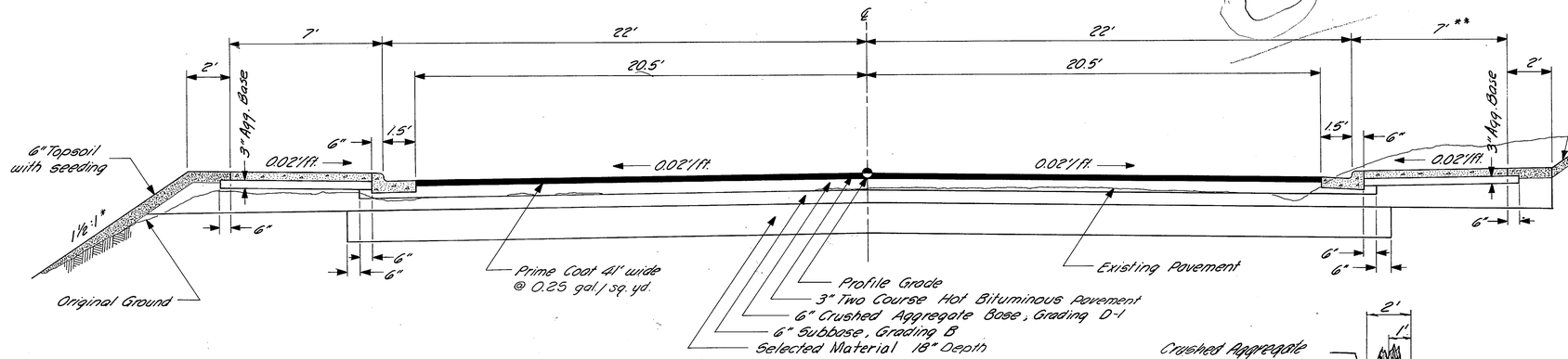
B. Bergdoll P.E.

no change in length

STATE OF ALASKA
DEPARTMENT OF HIGHWAYS

APPROVED W.A. Johnson Date 12/2/69
COMMISSIONER OF HIGHWAYS

STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	F-095-8(12)	1967	2	32

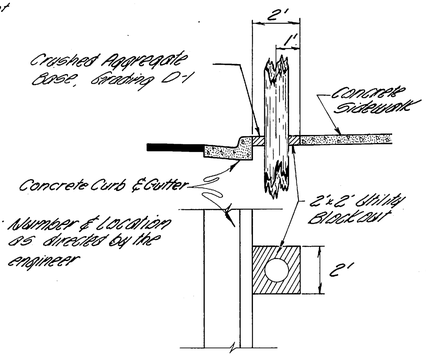


** Between F Street and E Street the right sidewalk width varies. See Sheet No. 8 for details.

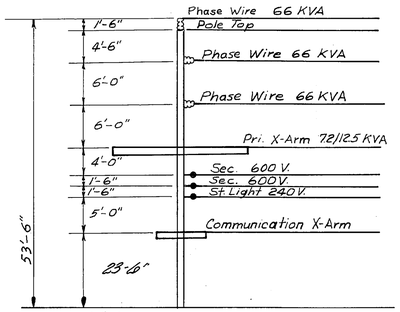
TYPICAL SECTION OF IMPROVEMENT

Sta. "0" 93+70 to Sta. "0" 114+50

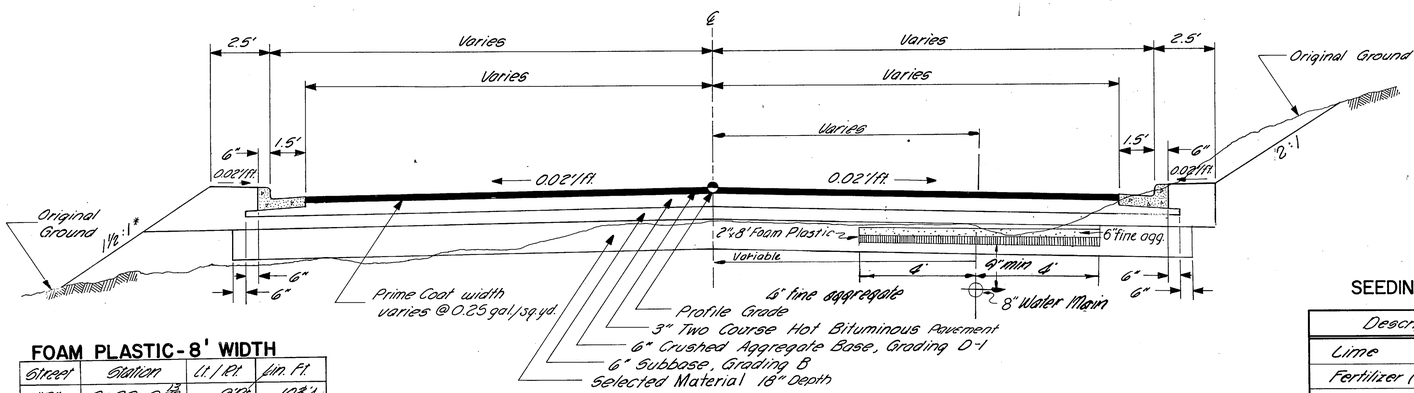
* or as directed by the engineer



TYPICAL UTILITY BLOCK OUT



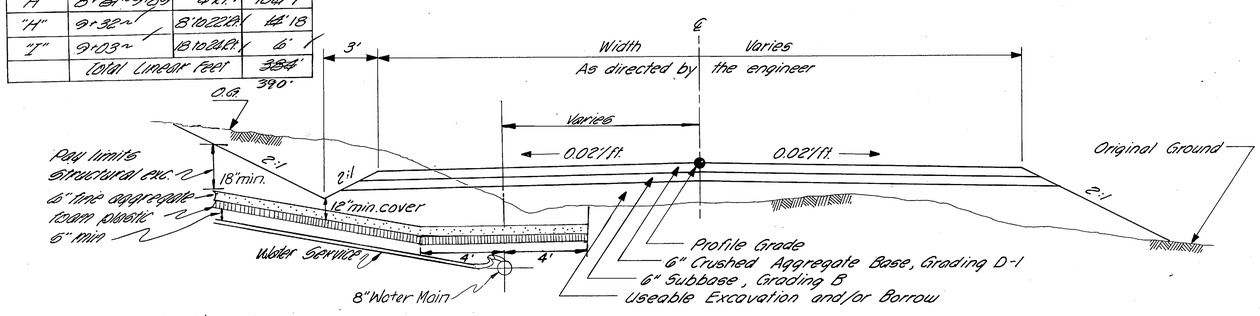
TYPICAL POLE TOP CONFIGURATION
(TO BE DONE BY OTHERS)



TYPICAL SECTION SIDE STREET PAVED APPROACH

FOAM PLASTIC - 8' WIDTH

Street	Station	Ct. / Rt.	Lin. Ft.
"B"	8+89 to 9+12½	9 Rt.	103'±
"D"	8+90 to 9+25	12 Rt.	98'±
"E"	9+16 to 9+71	8' Lt.	55'±
"H"	8+88 to 9+99	4 Rt.	103'±
"H"	9+32	8 Lt.	22'±
		18 Rt.	18'±
"I"	9+03	18 Rt.	6'±
	Total Linear Feet		384'± 390'



Note: Exact location of water main to be determined by the contractor prior to placement of foam plastic

TYPICAL SECTION SIDE STREET (BEYOND PAVING LIMITS)
WITH TYPICAL WATER SERVICE INSULATION

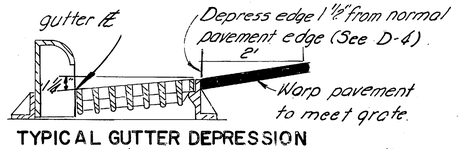
SEEDING APPLICATION RATES ⓘ

Description	Rate/1,000 sq. ft.
Lime	150# max.
Fertilizer (10-20-20)	15# max.
Class II Seeding	2.5 #
Wood Cellulose Mulch	25 #

ⓘ See Special Provisions

BASIS OF ESTIMATE

Item	Estimating Factor
203(5)	1.87 Tons per cubic yd.
304(1)	1.87 Tons per cubic yd.
307(1)	1.87 Tons per cubic yd.
403(1)	145 lbs. per cubic ft.
403(2)	6% of item 403(1)
408(2)	256 gal. per ton (60°F)



TYPICAL GUTTER DEPRESSION

GENERAL NOTES

1. Retaining Walls, Headwalls, Steps and Stairs shall be paid for under Item No. 601(1).
2. Culvert lengths and locations are approximate only and are subject to minor revisions.
3. Grade and alignment shown on these plans are subject to minor revisions.
4. Miscellaneous and minor Right-of-Way encroachments within the construction limits at the time of construction, such as fences, signs, abandoned foundations, concrete structures, etc., shall be removed by the contractor as directed by the engineer. This includes the concrete steps Rt. of Sta. 102+ and Sta. 104+20, as well as other steps outside the construction limits designated by the engineer. No payment for this work shall be made as it is not a pay item in this contract. Such work will be considered incidental to other items of work performed under this contract.
5. All waste and/or surplus material encountered on this project will be disposed of by the contractor at locations of his own choice and as approved by the engineer.
6. Class A concrete shall have a minimum compressive strength of 3,000 PSI. in 28 days. All sidewalk, curbs, and gutter concrete shall be class M. All other concrete shall be Class A.
7. The service walk at the Dept. of Highways building shall be paid for under item # 608(11) 4" concrete sidewalk.
8. When necessary to expedite traffic, aggregate base or bituminous surfacing shall be constructed part width at a time.
9. Handrails as shown on the plans will be considered incidental to item No. 601(1) Class A concrete and no separate payment will be made therefore.
10. Reinforced Concrete, Corrugated aluminum, or corrugated steel pipe, may be used for item #603(2b).
11. Existing pipes and appurtenances within the limits of construction to be removed by others.

ESTIMATE OF QUANTITIES

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	F-095-8(12)	1967	3	32

ITEM Nº	ITEM	UNIT	SHEET NUMBER 4	5	6	7	18	19		Roadway Total			
201(3)	Clearing and Grubbing	Lump Sum								All Required			
202(2)	Removal of Pavement	Sq. Yd.	1,168	1,349	1,545	1,448				5,510			
202(3)	Removal of Sidewalk	Sq. Yd.			125	132				257			
202(4)	Removal and Disposal of Culvert Pipe	Lin. Ft.	120	41	443	330				934			
203(3)	Unclassified Excavation	Cu. Yd.	2,600	3,400	3,800	3,300				13,100			
203(5)	Borrow	Ton	3,400	6,300	5,400	3,200				18,300			
206(1)	Structure Excavation	Cu. Yd.	161	771	480	615				2,027			
207(1)	Class I, Excavation for Structures	Cu. Yd.	126	182						308			
304(1)	Crushed Aggregate Base Course, Grading D-1	Ton	920	1,380	1,490	1,410				5,200			
307(1)	Subbase, Grading B	Ton	1425	2100	2225	1825				7575			
403(1)	Hot Bituminous Pavement	Ton	360	500	526	454				1,840			
403(2)	120-150 Pen Asphalt Cement	Ton	21.60	30.00	31.56	27.24				110.4			
408(2)	MC-30 Liquid Asphalt for Prime Coat	Ton	2.1	3.0	3.1	2.7				10.9			
601(1)	Class A Concrete	Lump Sum								All Required			
602(1)	Reinforcing Steel	Lump Sum								All Required			
603(26B)	8" Pipe Conduit	Lin. Ft.	16							16			
603(26C)	12" Pipe Conduit	Lin. Ft.	142	212	354	274				982			
603(26E)	18" Pipe Conduit	Lin. Ft.	68	594	332	540				1,534			
603(10F)	21" Asbestos Bonded Bituminous Coated Corrugated Metal Pipe 16 Gage	Lin. Ft.				266				266			
604(1)	Manholes	Each	1	2	3	3				9			
604(2A)	Concrete Inlets, Type A	Each	4	7	11	8				30			
604(4)	Adjust Existing Manholes	Each	1	2	4	3				10			
608(1)	Concrete Sidewalk, 4" Depth	Sq. Yd.	466	715	639	632				2,452			
608(4)	Concrete Sidewalk, 6" Depth	Sq. Yd.	51	51	52	33				185			
609(3)	Curb and Gutter, Type 2	Lin. Ft.	775	1,259	1,234	1030				4,298			
610(4E)	Bituminous Coated Structural Plate Pipe 84" Diameter, 8 Gage	Lin. Ft.		20						20			
611(1)A	Riprap, Class I	Ton		45						45			
614(1)	Survey Monuments	Each	2	2		2				6			
614(2)	Monument Cases	Each	2	2		2				6			
615(1)	Standard Signs	Each	9	13	17	14				53			
618(1)B	Seeding, Class 2	1000 Sq. Ft.	5.9	17.0	7.7	6.0				36.6			
618(2)	Water for Maintenance	1000 Gal.	4	12	5	4				25			
620(2)	Top Soil	1000 Sq. Ft.	5.9	17.0	7.7	6.0				36.6			
640(6)	Fire Hydrant Installation	Each					2	3		5			
640(8)	Fire Hydrant Removal	Each					2	3		5			
640(9A)	3/4" Water Service Connection	Each					8	11		19			
640(9B)	1 1/2" Water Service Connection	Each					1	4		5			
640(11)	Adjust Valve Boxes	Each					5	14		19			
640(12)	Relocate Curb Stop	Each					3	1		4			
640(16)	Insulate Existing Water Lines	MBM	096	1.952	2.448	1.648				6.144			
640(19)	Disconnect Existing Water Service	Each					1	4		5			
640(20)	Plug Existing Water Main	Each					1	1		2			
640(21)	Curb Service Box	Each					3	25		28			
640(22)	Electrical Bond At Curb Box	Each					3	26		29			
645(1)	Construct Sewer Lateral							1		1			
645(2)	Disconnect Existing Sewer Lateral	Each					1	7		8			
670(1)	Painted Traffic Markings	Lump Sum								All Required			

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	F-095-8(12)	1967	4	32

PLAN — SURVEYED, PLOTTED, DRAWN, CHECKED, B.M.'S NOTED, RT. OF WAY CHECKED, NOTE BOOK, NO., BY, DATE

Rt & Lt Sta 93+70 begin curb, gutter and sidewalk construction.

Lt. Sta 94+03 ~~Const. Type 2~~ Curb Cut

Lt. Sta. 94+43 ~~Const. Type 2~~ Curb Cut

Lt. Sta. 95+39 Const. Type 2 Curb Cut

Lt. Sta. 95+81 Const. Type 2 Curb Cut

Lt. Sta 96+72 to 98+~~19~~ 50 const. retaining wall. See sheet No. 10 for details.

110 V. Signal Line 16.5' to 18.5' Clearance

Lt. Sta 97+02 const. concrete steps & platform. See sheet 13 for details.

Temp. Easement

Slope Limits

Exist ROW

ROW Line

P.I. Sta. 97+24.8
Δ = 1°31'24" Rt.
No curve

MATCH LINE

Match existing line, grade, and pavement width at station 0+00

S 46° 22' E 354.80'

Exist ROW

R-10

R-8

15' 15'

Slope Limits

Temp. Easement

ROW Line

5"x12" Saddle

Existing Graves to be moved by others prior to construction.

BEGINNING OF TEMPORARY TRANSITION
STA. 0+00

END OF TEMPORARY TRANSITION STA. 0+85.20
BEGINNING OF PROJECT F-095-8(7)
STA. "0" 93+70.00

Sta 96+00 to 97 Install 6" & 8" Perforated Underdrain with Cleanout

Sta. 96+70 Remove and dispose 120 LF of existing culvert pipe. Plug end Lt. Remove existing drop inlet.

For intersection details see sheet No. 14.

1 St. Sta 96+70.36 S 44° 28' W

3 Ø 7.2/12.5 KVA 24' ℄ Clearance

2' Rt St:: 96+90 Adjust Existing Manhole

Rt. Sta 97+25 Const. type 2 Curb Cut. See sheet 12 for details.

PROFILE — SURVEYED, PLOTTED, DRAWN, CHECKED, B. M.'S NOTED, STRUCTURE NOTATNS CHKD, NOTE BOOK, NO., BY, DATE

Excavation
Embankment
Borrow Excavation
Subbase

2600 cu. yds. (All waste)
2600 CY
3300 tons
1425 tons

Earthwork Equation
Embankment = [Borrow Excavation x .8) + (Subbase)] x (Ton conv factor)

Vertical Control: B.P.R. Brass Cap Monument 24.6' Lt. Sta 98+55. Elev. 97.00

Temporary Transition

Elev. 108.18

Elev. 108.02

-0.23%

300' V.C. Elev. 107.71

Finished Profile

1.775%

Existing water line generally above existing sewer line.

Pipe No.	Dia. Pipe	Design Length	From Str. No.	From Inv. Elev.	To Str. No.	To Inv. Elev.
P1	12"	36'	S1	102.20	S5	~~99.46~~ 100.50
P2	12"	38'	S2	101.56	S5	~~99.46~~ 100.50
P3	~~8"~~ 12"	~~16'~~ 24'	Exist Pipe	101.00	S5	100.50
P4	12"	~~26'~~ 28'	S3	101.56	S5	99.46
P5	12"	~~42'~~ 37'	S4	101.51	S5	99.46
P6	18"	232'	S5	~~99.41~~ 100.41	S6	91.71

Structure No.	Type	Location Sta	Location Offset	Gutter or Top Elev.	Inv. Elev.
S1	A Inlet	96+41.07	~~22.00~~ Rt.	104.~~58~~67	102.20
S2	A Inlet	"I"9+56.5	~~19.00~~ Rt.	104.~~43~~	101.56
S3	A Inlet	"I"9+56.5	~~19.00~~ Lt.	104.34	101.56
S4	A Inlet	97+00	~~22.00~~ Lt.	103.~~56~~	101.56
S5	Manhole	96+80	15' Rt.	104.18	~~99.46~~ 100.41

94+00 95+00 96+00 97+00

PLATE 1, PLAN-PROFILE

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	F-095-8(12)	1967	5	32

PLAN — SURVEYED, PLOTTED, ALIGNMENT CHECKED, RT. OF WAY CHECKED, NOTE BOOK, NO., BY, DATE

Rt. Sta 97+60 Constr. Type 2 Curb Cut

Rt. Sta 97+65 warp sidewalk to match existing stairs. See sheet No. 12 for details

Rt. Sta. 97+60 Const. type 2 Curb cut. See sheet 12 for details.

Rt. Sta. 97+65 warp sidewalk to match existing stairs. See sheet 12 for details.

Lt. Sta 97+60 const 6 riser stairs and platform. See sheet No. 13 for details.

Lt. Sta 98+06 constr type 2 Curb Cut See sheet No. 10 for details.

Lt. Sta 98+18 const 8 riser stairs. See sheet No. 10 for details.

Rt. Sta. 98+71.67 warp sidewalk to match existing stairs. See sheet No. 12 for details.

For intersection details see sheet No. 14

99+00 Remove and dispose 41 LF existing C.M.P.

Lt. Sta 99+77 const. 2 riser stairs to connect to existing walk.

Lt Sta 100+66 Remove existing sidewalk construcie new 3'x13' sidewalk (4.3 Sq. Yd.)

Lt Sta. 101+05 construct Type 2 Curb Cut

For intersection details see sheet No. 15

4' Lt. Sta 101+81 adjust existing sanitary M.H.

Lt. Sta 102+38 construct type 2 Curb Cut

Lt. Sta 102+64 to 103+38 const retaining wall. See sheet No. 10 for details.

Lt. Sta 103+20 const. 11 riser stairs. See sheet 13 for details.

Rt. Sta 103+23 const. headwall and 20 Lin. Ft. of 84" SPP Relocate Bear Creek. For details see sheet No. 11

15' Rt Sta 103+50 connect 18" pipe to 84" SPP with 18" saddle. Inv elev of connection 65.2

Existing Road

S 44° 50' 36" E 445.74

90°41'24"

S 45° 36' E 1279.46'

90°04'

H St. 99+20.52 S 44° 28' W

G St. 101+70.54 S 44° 28' W

MATCH LINE

Existing Concrete Basement

Temp. Easement

Slope Limits

ROW Line

Exist ROW

New Channel

Excavation 3200 CY (All Waste)
Embankment 4782 CY
Borrow Excavation 6300 TONS
Subbase 2100 TONS

2.775%

5.5%

2.26%

500' V.C. Elev. 100.61

300' V.C. Elev. 78.41

Finished Profile

Existing water line generally above existing sewer line

Pipe No.	Dia. Pipe	Design Length	From Str. No.	From Inv. Elev.	To Str. No.	To Inv. Elev.
P7	12"	40'	S8	95.43	S6	91.71
P8	12"	~~18'~~ 17'	S7	95.43	S6	93.50
P9	12"	26'	S9	94.50	S6	91.71
P10	12"	34'	S10	94.50	S6	~~93.50~~ 93.80
P11	18"	252'	S6	91.61	S11	80.~~65~~ 40
P12	12"	42'	S12	83.98	S11	80.60
P13	12"	~~22'~~ 23'	S13	83.98	S11	~~82.00~~ 80.41
P14	12"	~~38'~~ 24'	S14	82.00	S11	80.60
P15	18"	~~178'~~ 177'	S11	80.50	Exist 84"	~~65.3~~ 62.83

Structure No.	Type	Location Sta	Location Offset	Gutter or Top Elev.	Inv. Elev.
S6	Manhole	99+15	~~15'~~ Rt.	97.39	~~91.66~~ 91.75
S7	A Inlet	~~98+94.5~~	~~22.00~~ Rt.	~~97.79~~ 97.91	95.43
S8	A Inlet	98+91.5	~~22.00~~ Lt.	~~97.90~~ 97.85	95.43
S9	A Inlet	"H"9+56.5	~~16.00~~ Rt.	97.15	94.50
S10	A Inlet	"H"9+56.5	~~16.00~~ Lt.	~~97.04~~ 97.15	94.50
S11	Manhole	101+70.54	15' Rt.	85.32	~~80.55~~ 80.40
S12	A Inlet	101+44.5	~~22.00~~ Lt.	~~86.40~~ 86.50	83.98
S13	A Inlet	101+44.5	~~22.00~~ Rt.	~~86.40~~ 86.50	83.98
S14	A Inlet	"G"9+56.5	~~16.00~~ Lt.	~~84.31~~ 84.57	82.00

PROFILE — SURVEYED, PLOTTED, GRADES CHECKED, NOTE BOOK, NO., BY, DATE, B. M.'s NOTED, STRUCTURE NOTATIONS CHKD

98+00 99+00 100+00 101+00 102+00 103+00

K&E PLATE 1, PLAN-PROFILE KEUFFEL & ESSER CO.

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	F-095-8(12)	1967	6	32

MATCH LINE
MATCH LINE
Temp. Easement
Slope Limits
Existing R/W
Exist ROW
ROW Line
Temp. Easement
Exist. Conc. Ret. Wall
Existing Sidewalk (To be Removed)
Existing R/W
Exist. Conc Slab
Gas Pumps
S 44° 36' E
7' Lt. of sta 103+89 adjust existing sanitary manhole.
3' Lt. Sta 104+20 adjust existing sanitary manhole
220 V. Service 18' Min. ℄ Clearance
Lt. Sta 105+60 const. type I Curb Cut
Lt. & Rt. Sta 106+52 remove & dispose of 42' of existing CMP Remove 2 existing drop inlets.
Lt. Sta 106+51 to 106+87 remove & dispose 36' of existing CMP
Lt. & Rt. Sta 106+88 remove & dispose 90' of existing CMP. Remove existing drop inlet.
Plug all culverts lt. of construction area in "E" St. intersection
For detail of intersection see sheet No. 16
1' Lt. of Sta. 106+75 adjust existing sanitary manhole
Lt. Sta 107+33 const. type 2 curb cut
Lt. & Rt. Sta 109+06 remove & dispose 100' of exist. CMP. Plug end Lt. of construction area. Remove 2 existing drop inlets.
Sta 109+24 adjust exist sanitary manhole.
For detail of intersection see Sheet No. 15
F St. 104+20.54 S 44° 28' W
Rt Sta. 104+37 remove & dispose 66LF of existing C.M.P. and connect existing C.M.P. to S 16. Remove existing drop inlet.
Existing Concrete Basement
29.5' Rt. Sta 105+47 cut off existing retaining wall. See sheet No. 8 for detail.
For sidewalk details sta 105+45 to 106+40 See sheet No. 8
Rt. Sta 105+47 to 106+52 remove & dispose 115 Lin. Ft. of existing CMP Remove existing drop inlet.
220 V. Service 18' Min. ℄ Clearance
E St. 106+70.54 S 44° 28' W
220 V. Service 18' Min. ℄ Clearance
Rt. Sta. 107+45 const. Type I curb cut. 40.5' Curb Cut
Rt. Sta. 108+15 const. Type I curb cut.
Extended P29 4' to connect with Existing pipe
D St. 109+20.54 S 44° 28' W
For detail of intersection see Sheet No. 16
3 Ø 7.2/12.5 KVA 24' ℄ Clearance

PLAN	
SURVEYED	
PLOTTED	
ALIGNMENT CHECKED	
RT. OF WAY CHECKED	
NOTE BOOK NO.	

Excavation	3800 CY. (All Waste)
Embankment	4203 CY.
Borrow Excavation	5400 TONS
Subbase	2225 TONS

Pipe No.	Dia. Pipe	Design Length	From Str. No.	From Inv. Elev.	To Str. No.	To Inv. Elev.
P16	12"	46'	S15	73.71	S16	~~69.20~~ 70.26
P17	12"	~~36'~~ 34'	S17	72.~~70~~ 76	S18	72.~~20~~ 40
P18	18"	~~36'~~ 37	S18	72.20	S16	~~69.20~~ 70.51
P19	18"	~~12'~~ 13	Exist 18"	74.0	S18	72.20
P20	12"	~~38'~~ 40	S20	66.64	S21	63.58
P21	12"	~~18'~~ 13	S19	66.64	S21	63.58
P22	12"	~~26'~~ 25	S22	65.70	S21	63.58
P23	12"	38'	S23	65.70	S21	65.30
P24	18"	~~246'~~ 248	S21	~~63.48~~ 64.0	S25	55.09
P25	12"	~~14'~~ 16	Exist 12"	68.5	S23	65.70
P26	12"	38'	S24	58.27	S25	~~55.09~~ 54.74
P27	12"	~~26'~~ 25	S27	57.10	S25	~~55.09~~ 54.76
P28	12"	~~18'~~ 12	S26	58.27	S25	~~57.09~~ 57.07
P29	12"	~~18'~~ 22	Exist 12"	59.0	S27	57.10
P30	12"	38'	S28	57.10	S25	~~55.09~~ 54.73
P31	18"	~~246'~~ 247	S25	54.99	S31	44.50

Structure No.	Type	Location Sta	Location Offset	Gutter or Top Elev.	Inv. Elev.
S15	A Inlet	103+91.5	~~22.00~~ 21.50 Rt.	75.~~88~~ 97	73.51
S16	Manhole	104+35	5 Rt.	75.24	~~69.20~~ 70.51
S17	A Inlet	"F"9+56.5	~~19.00 Rt.~~ 18.50 Lt.	75.~~20~~ 68	72.70
S18	A Inlet	"F"9+56.5	~~19.00 Lt.~~ 18.50 Rt.	75.~~20~~ 68	72.20
S19	A Inlet	106+41.5	~~22.00~~ 21.50 Rt.	69.~~06~~ 15	66.64
S20	A Inlet	106+~~41.5~~ 38.0	~~22.00~~ 21.50 Lt.	69.~~06~~ 20	66.64
S21	Manhole	106+60	15 Rt.	68.78	63.53
S22	A Inlet	"E"9+56.5	~~19.00 Rt.~~ 18.50 Lt.	68.~~41~~ 35	65.70
S23	A Inlet	"E"9+56.5	~~19.00 Lt.~~ 18.50 Rt.	68.~~27~~ 35	65.70
S24	A Inlet	108+~~91.5~~ 90.0	~~22.00~~ 21.50 Lt.	60.~~64~~ 75	58.27
S25	Manhole	109+10	15 Rt.	60.29	55.04
S26	A Inlet	108+94.5	~~22.00~~ 21.50 Rt.	60.~~53~~ 62	58.27
S27	A Inlet	"D"9+56.5	~~16.00 Rt.~~ 15.5 Lt.	59.~~84~~ 70	57.10
S28	A Inlet	"D"9+56.5	~~16.00 Lt.~~ 15.5 Rt.	59.~~60~~ 70	57.10

104+00 105+00 106+00 107+00 108+00 109+00

PROFILE	
SURVEYED	
PLOTTED	
GRADES CHECKED	
B. M.'S NOTED	
STRUCTURE NOTATN'S CH'KD	
NOTE BOOK NO.	

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	F-095-8(12)	1967	7	32

PLAN — SURVEYED, PLOTTED, NOTE BOOK, NO., ALIGNMENT CHECKED, RT. OF WAY CHECKED, BY, DATE

PROFILE — SURVEYED, PLOTTED, NOTE BOOK, NO., GRADES CHECKED, B.M.'S NOTED, STRUCTURE NOTATNS.CHKD., BY, DATE

"M" and "N" lines will match existing line and grade to the paving limits as shown, and as directed by the engineer. Surfacing depths will be the same as for Side Streets.

"M" Line

St

Front

Abandoned

For outfall details see sheet number 9

Construction and Maintenance Easement

Paving limits "M" 0+68 "N" 0+52

25'R

60°

"N" LINE

St Anns Ave.

Do not disturb inlet

ROW Line

END OF PROJECT F-095-8(7) STA. "O" 114+50.00

3' Rt of Sta. 114+73 adjust existing sanitary manhole

MATCH LINE

"F" St. to E.O.P. Install 2'x 4' styrofoam insulation over existing water lines. (Shaded Area)

Lt Sta 110+35 const. type 2 Curb Cut

Rt. Sta 110+25 to Lt. 110+60 remove & dispose 60' of 6"x6" wood curb. Plug remaining ends. Exist.

Lt. Sta 110+90 const type 2 Curb Cut

Rt. Sta 111+55 to Lt Sta 111+70 remove & dispose 120' of existing 12" CMP. Plug remaining ends. Remove existing drip inlet.

Sta moved to Sta 111+502

Sta 111+52 @ Rt

For intersection details see sheet No. 17

Lt. Sta 111 + 70.5 const. type 1 Curb Cut

Sta 111+77 @ Rt

Compartment Riser Step Sta 111+92 @ Lt

Lt Sta 112+38 to 112+83 const. 15' x 8' x 4" Concrete Service Walk connect to existing conc. walk. To be paid for under Item 608(1).

Lt. Sta. 111+90 to 113+84 Underground Telephone Cable (Do Not Disturb)

Sta moved to 114+00

Const Permit

3'

18'

Exist ROW

Exist Sidewalk (To be removed)

Slope Limits

Existing R/W

Temp. Easement

PCW Line

Exist 20'x24' Conc. Slab (Remove)

Sta 109+90 ± P34 48" x 8' Manhole w/ clean out

8" x 6" "Y" Saddle

Lt. Sta 111+70 adjust exist. sanitary manhole.

S 44°28' W

S. 45°36' E.

Sta 112+98 existing underground Electric Service Cable (DO NOT DISTURB)

2' Rt. Sta 114+21 adjust existing sanitary manhole.

For intersection details see sheet No. 17.

S. St. 114+20.54

Rt. Sta 114+45 remove and dispose 150 LF of existing CMP and existing drip inlet

Excavation	3300 CY (All Waste)
Embankment	3429 CY.
Borrow Excavation	3200 TONS
Subbase	1825 TONS

-3.30%

500' VC Elev 56.21

Finished Profile

-5.30%

-1.64%

300' VC Elev 35.01

Existing water line generally above existing sewer line

70 60 50 40 30 20 10

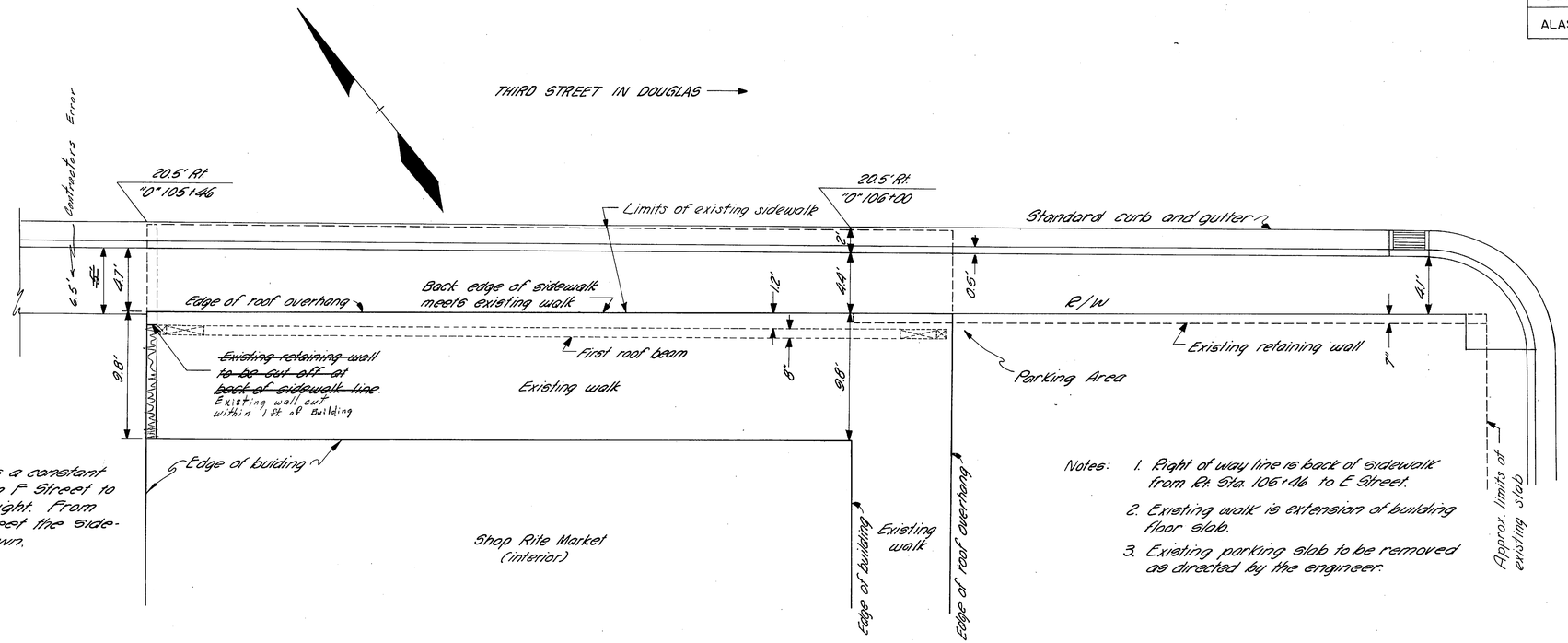
110+00 111+00 112+00 113+00 114+00

Pipe No.	Dia. Pipe	Design Length	From Str. No.	From Inv. Elev.	To Str. No.	To Inv. Elev.
P32	12"	~~36'~~ 35	S29	47.~~61~~38	S31	44.50
P33	12"	~~18'~~13	S30	47.61	S31	~~47.20~~ 44.4
P34	12"	28'	S32	46.50	S31	~~44.50~~ 44.61
P35	12"	18'	Exist 12"	49.5	S32	46.50
P36	12"	~~38'~~37	S33	46.50	S31	46.10
P37	18"	~~246~~247	S31	44.40	S35	32.55
P38	12"	14'	S34	35.58	S35	34.50
P39	12"	~~26'~~25	S36	34.95	S35	32.55
P40	12"	~~16'~~17	Exist 12"	38.0	S37	34.95
P41	12"	~~36'~~30	S37	34.95	S35	32.55
P42	18"	~~86'~~89	S35	~~30.82~~ 32.45	S39	28.50
P43	12"	~~44'~~38	S38	33.70	S35	32.55
P44	21"	~~246~~242	S39	~~28.30~~ 28.40	Outfall	14.60

Structure No.	Type	Location Sta	Location Offset	Gutter or Top Elev.	Inv. Elev.
S29	A Inlet	111+~~45.7~~ 20.2	~~22.00~~ 21.5 Lt.	50.~~04~~12	47.61
S30	A Inlet	111+44.5	~~22.00~~ 21.5 Rt.	50.~~23~~18	47.61
S31	Manhole	111+60	15 Rt.	49.69	44.45
S32	A Inlet	"C"9+56.5	~~16.00~~ 21.5 Rt.	~~49.51~~48	46.50
S33	A Inlet	"C"9+56.5	16.00 Rt.	49.39	46.50
S34	A Inlet	113+94.5	~~22.00~~ 21.5 Lt.	~~37.83~~41	35.58
S35	Manhole	114+10	15 Rt.	37.51	~~31.0~~ 32.56
S36	A Inlet	"B"9+56.5	~~16.00~~ 21.5 Rt.	37.~~51~~42	34.95
S37	A Inlet	"B"9+56.5	~~16.00~~ 15.00 Lt.	~~37.37~~ 37.08	~~34.95~~ 32.83
S38	A Inlet	114+~~37.5~~ 50.0	~~22.00~~ 21.5 Lt.	~~36.09~~ 35.70	~~32.55~~ 33.10
S39	Manhole	115+00	15 Rt.	35.52	~~28.45~~67

K+E PLATE 1, PLAN-PROFILE KEUFFEL & ESSER CO.

STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	F-095-8(12)	1967	8	32



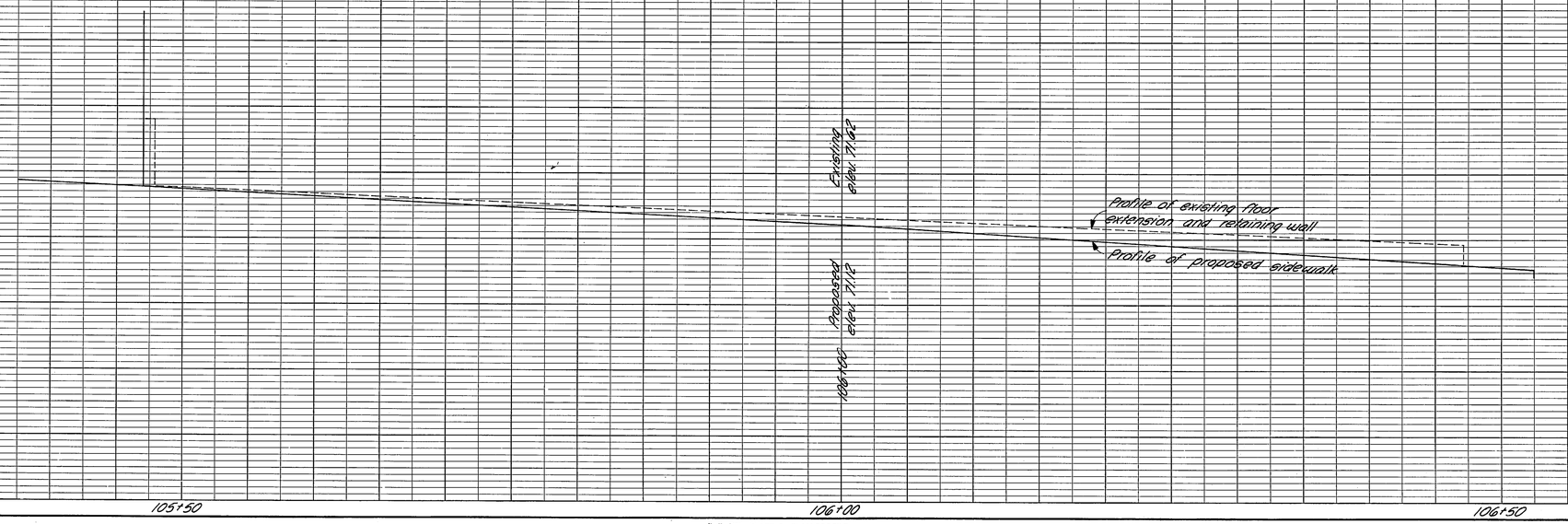
Note: The sidewalk width remains a constant ~~five foot~~ edge to edge from F Street to Station 105+46 on the right. From Station 105+46 to E Street the sidewalk width varies as shown.

Notes:
1. Right of way line is back of sidewalk from Rt. Sta. 106+46 to E Street.
2. Existing walk is extension of building floor slab.
3. Existing parking slab to be removed as directed by the engineer.

PLAN
SURVEYED
PLOTTED
NOTE BOOK
NO.
GRADES CHECKED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
BY
DATE

SIDEWALK WIDTH DETAIL
Rt. F STREET to E STREET

PROFILE
SURVEYED
PLOTTED
NOTE BOOK
NO.
GRADES CHECKED
ALIGNMENT CHECKED
STRUCTURE NOTATNS CH'KD
BY
DATE



STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	F-095-8(12)	1967	9	32

PLAN — SURVEYED, PLOTTED, NOTE BOOK, NO., ALIGNMENT CHECKED, PT. OF INT. CHECKED, BY, DATE

END OF PROJECT
F-095-8(12)
Sta. 114+50

S 45° 36' E.

Underground telephone cable Do Not Disturb

ROW Line

Sta. 0+00
℄ Manhole 539

P42

539

115

113°36'

113°06'

P44

N. 68° 30' E.

1+00

2+00

Construction and Maintenance Easement

"0" 115+06.5 = Outfall 0+16.5

Sta. 0+02
Begin Outfall

Drive

Drive to Parking Area

Existing St. Anns Street

ROW Line

Proposed ℄ Third St. in Douglas (extended)

Edge of Road

Edge of Road

Top of Jetty

Bottom of Jetty

10'

10'

Sta. 2+67.70
End Outfall

STORM SEWER OUTFALL

PROFILE — SURVEYED, PLOTTED, NOTE BOOK, CROSSES CHECKED, B. M.'s NOTED, NO., STRUCTURE NOTATIONS CHKD, BY, DATE

Sta. 0+00
℄ M.H. 539
Rim Elev. 22.50

Sta. 0+02
Begin Outfall
Inv. Elev. 12.48

P42

539

21" x 266' Asbestos Bonded Bituminous Coated Corrugated Metal Pipe

S = 0.052 ft/ft

P44

HHW Elev. 22.0

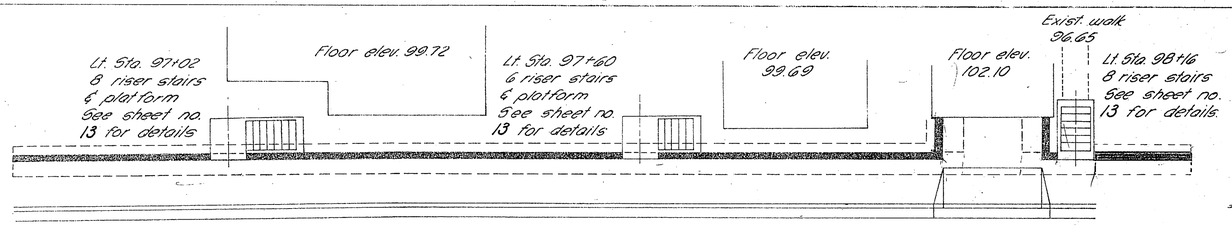
Sta. 2+67.70
End Outfall
Inv. Elev. 0.14

0+00 | 0+50 | 1+00 | 1+50 | 2+00 | 2+50 | 3+00

40 | 30 | 20 | 10 | 0

PLATE 1, PLAN-PROFILE
KEUFFEL & ESSER CO.

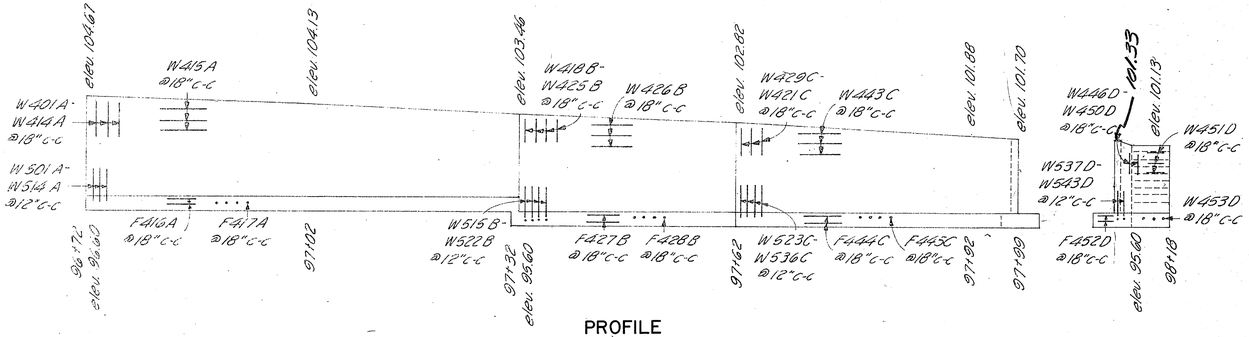
STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	F-095-8(12)	1967	10	32



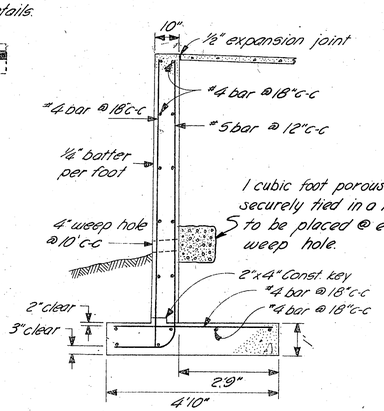
PLAN

WALL A

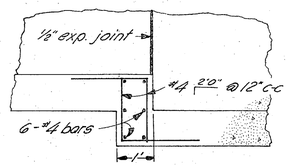
Sta. 96+72 to Sta. 98+18



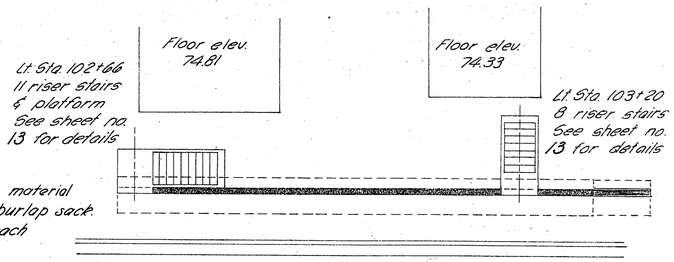
PROFILE



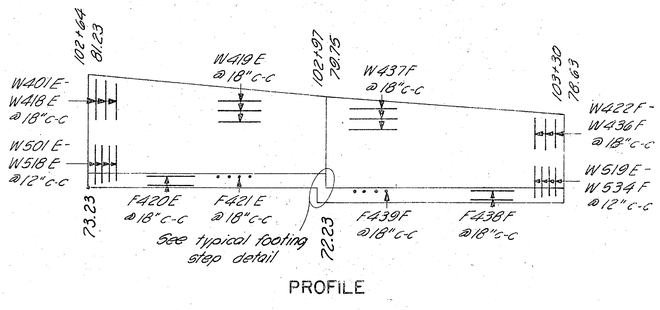
TYPICAL SECTION
WALL A



TYPICAL FOOTING
STEP DETAIL
Lt. Sta. 97+32 & Sta. 102+97



PLAN



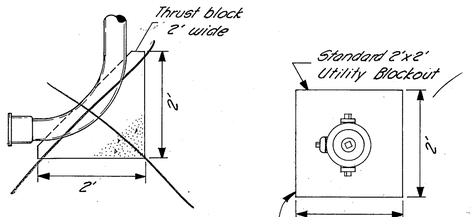
PROFILE

WALL A

Sta. 102+64 to Sta. 103+30

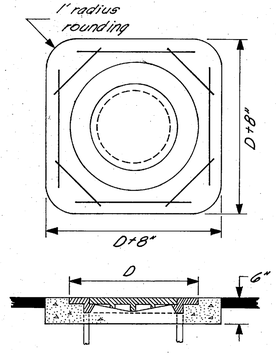
MANHOLES TO BE ADJUSTED

Station	Left	Right
96+90		2'
99+25	1'	
101+81	2'	
103+89	6'	
104+20	4'	
106+71	1'	
109+24		1'
111+70		2'
114+21		2'
~~Total~~ 114+73 Total	8 10	3'

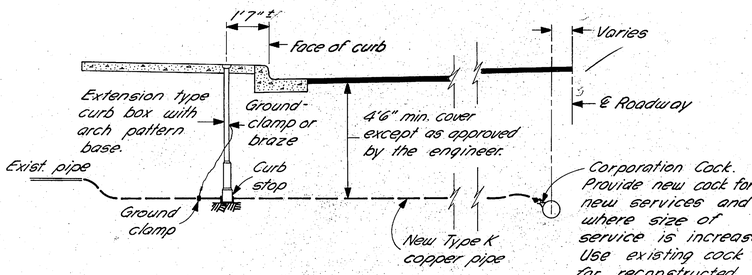


THRUST BLOCK
DETAIL

RELOCATION OF FIRE HYDRANT



TYPICAL ENCASEMENT
DETAIL



DOUGLAS TYPICAL WATER SERVICE

WATER SERVICE NOTES

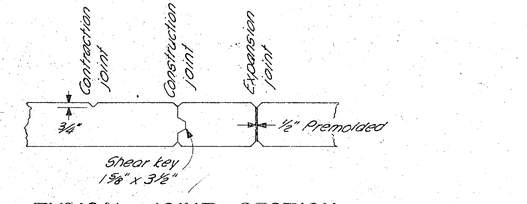
1. All services shall be 3/4" I.D. unless otherwise shown on the plans.
2. The top section of curb box shall be bonded to the copper pipe as shown, by the use of copper wire not smaller than No.4, and approved ground clamps. Wire may be brazed to curb box.

ENCASEMENT NOTES

1. All reinforcing steel will be No.4 bars and have a minimum clear distance of 1½" from the face of concrete.
2. All manhole, valve box, and cleanout covers falling within the pavement limits shall be incased in Class A concrete as directed by the engineer.

RETAINING WALLS

Station to Station	Location	Wall	Structural Ex.	Concrete	Steel
96+72 to 98+18 45	29' Lt.	A	~~196~~ 196.1 ~~220~~ 220.0	~~58~~ 58.1 ~~37~~ 37.6	~~3903~~ 3903 ~~1877~~ 1877 Lbs.
102+64 to 103+30 46	29' Lt.	A	~~218~~ 218 Cu.Yd.	~~2214~~ 2214 Cu.Yd.	~~14062~~ 14062 Lbs.
102+18 to 102+43	Lt. Varies	Additional Wall	15.6 Cu.Yd.	3.3 Cu.Yd.	207.4 Lbs.
99+48 22 to 100+89	29' Lt.	Additional Wall	67.0 Cu.Yd.	12.3 Cu.Yd.	564.4 Lbs.
~~Totals~~			~~3078.6 Cu.Yd.~~	~~768 Cu.Yd.~~	~~41184 Lbs.~~
Totals			369.7 Cu.Yd.	111.3 Cu.Yd.	5923.4 Lbs.



TYPICAL JOINT SECTION

NOTES

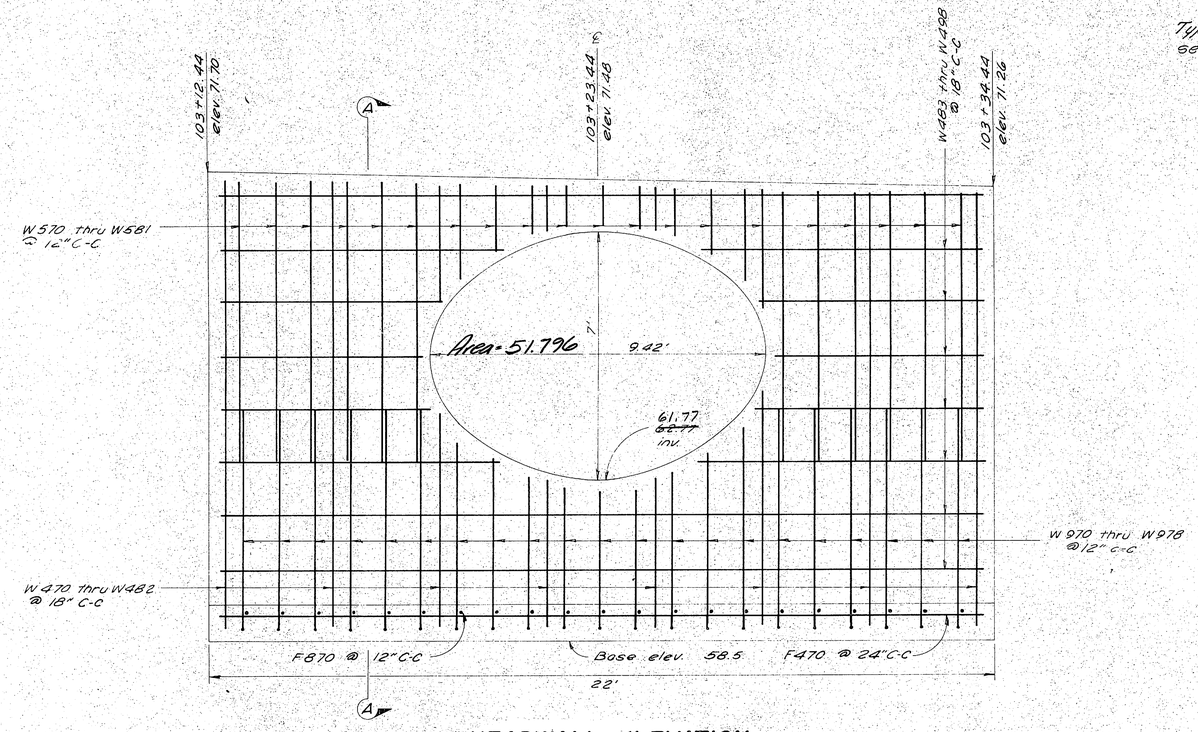
1. Contraction joints shall have a maximum spacing of 30 feet.
2. Expansion joints shall have a maximum spacing of 90 feet.
3. 3/4" Chamfer on all exposed joint edges.
4. Minimum clear distance for all reinforcing steel is 2" from the face of concrete unless otherwise shown on the plans.

STATE	PROJECT NO.	YEAR	SHEET NO	TOTAL SHEETS
ALASKA	F-095-8(12)	1967	11	32

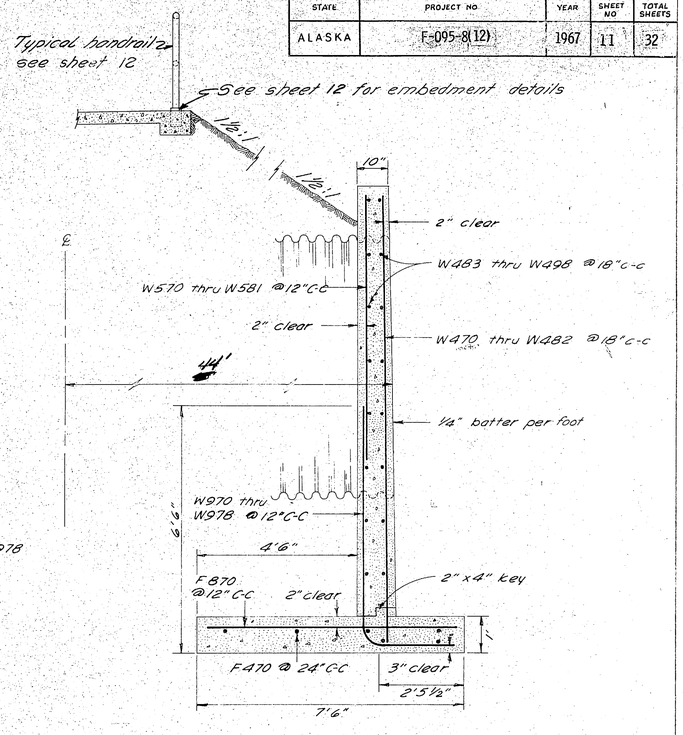
CULVERT REMOVAL

Station	Lin. Ft.
96+70	~~122~~ 119
99+00	41
104+37	~~58~~ *41
105+97	115*
106+52	42*
106+69	~~36~~ *37
106+88	90*
109+06	100*
110+34	60
111+80	120*
114+45	150*
Total	~~934~~ 918

*Includes removal of one or more existing drop inlets as incidental work.



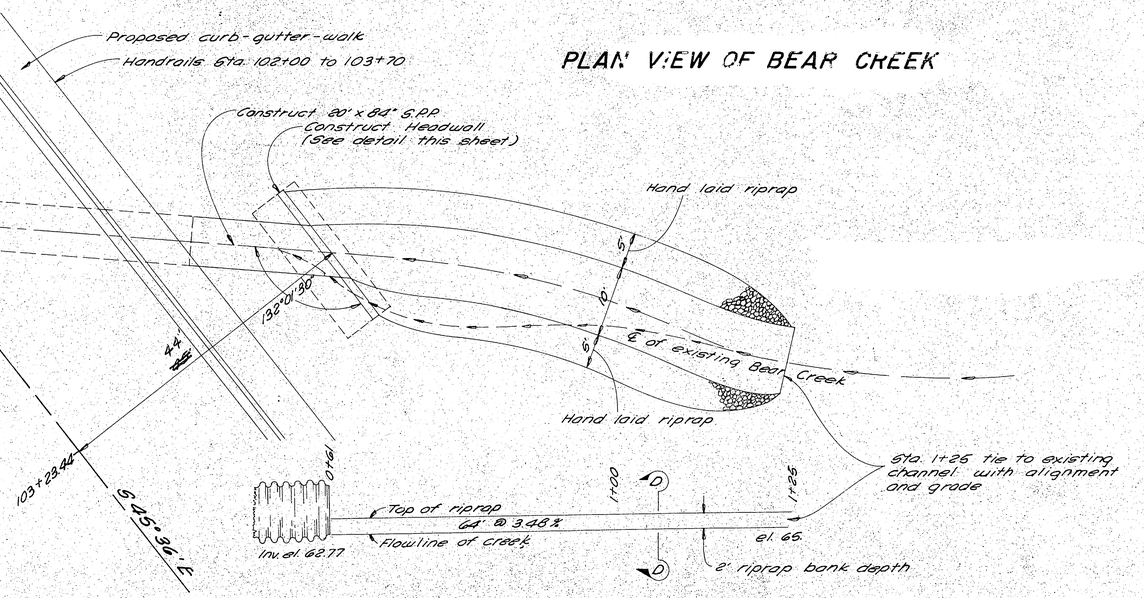
HEADWALL ELEVATION



Section A-A

PIPE CONSTRUCTION NOTES

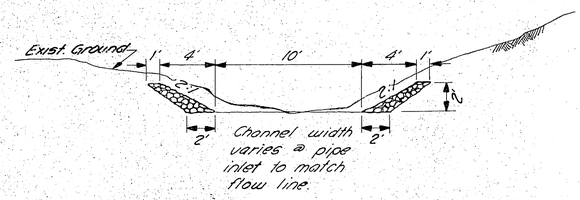
1. Removal of mitered section of existing culvert back to the first non-mitered, staggered, circular section & disposal of the plates will be considered incidental to Item 610(4) 84" S.P.P.
2. Staggered sections must be maintained to the end of the pipe.
3. Invert and top plates must be extended 20 feet, side plates 18 feet. Pay length will be 20 feet measured along centerline of pipe.
4. All work required to construct this culvert in conformance with good practice for structural plate pipe including proper upstream plate lap will be considered incidental to item 610(4) 84" S.P.P. and no separate payment will be made therefore.
5. The existing culvert is eliptically formed.



PLAN VIEW OF BEAR CREEK

PROPOSED BEAR CREEK PROFILE

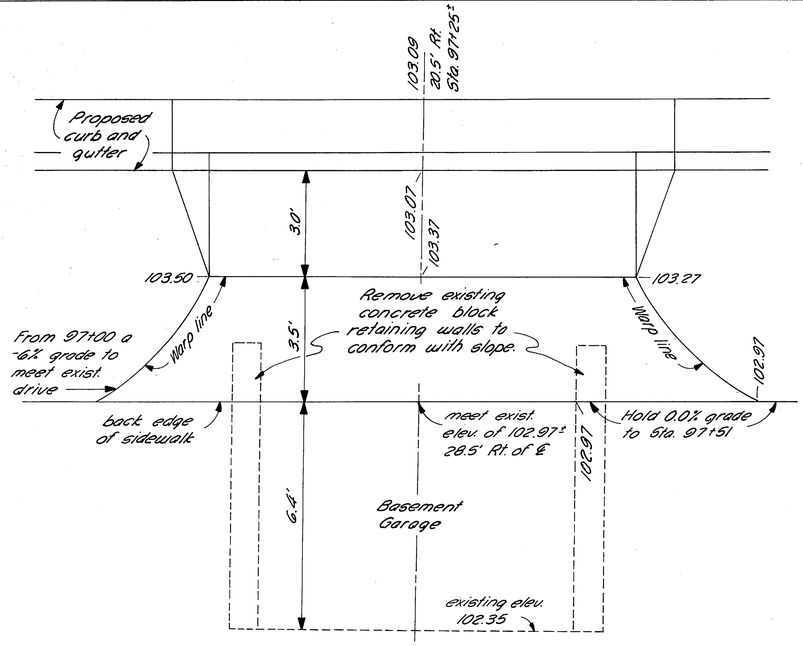
CHANNEL CHANGE QUANTITIES			
ITEM No.	QUANTITY	UNIT	ITEM
~~203(3)~~	~~45~~	~~Cu.Yds.~~	~~Unclassified excavation~~
601(1)	14	Cu.Yds.	Class A concrete
602(1)	1643	Lbs.	Reinforcing steel
610(1)	20	Lin. Ft.	S.P.P. 84" dia., 8 gauge
611(1)	53.3 ~~45~~	Ton.	Riprap, class I
206(1)	45.1 ~~25~~	Cu. Yds.	Structure Excavation



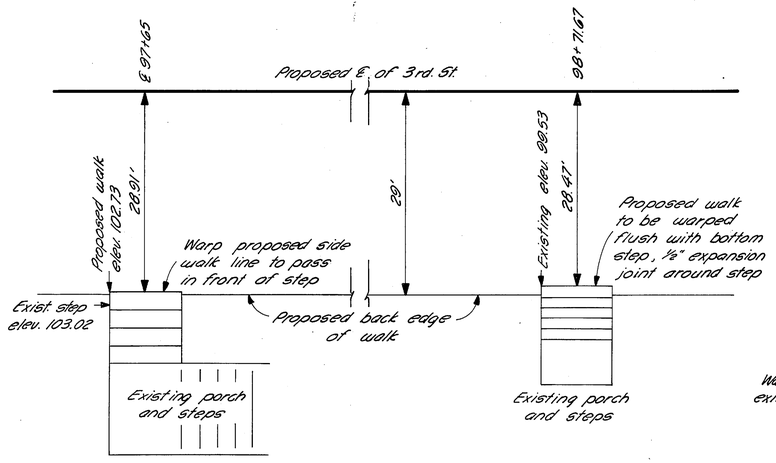
Section D-D

RIPRAP DETAIL

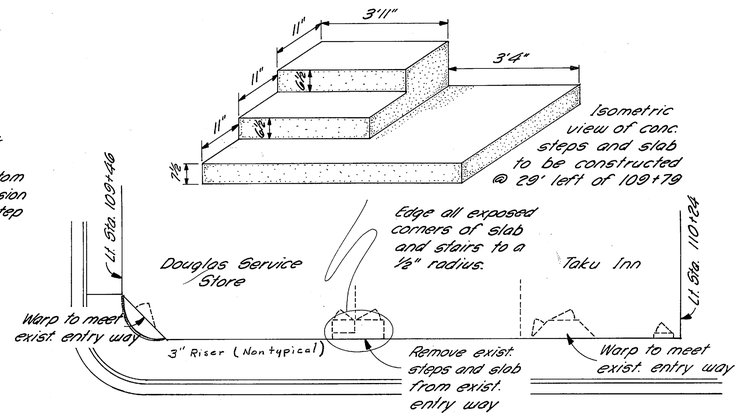
STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	F-095-8(12)	1967	12	32



CURB CUT & DRIVE
Rt. Sta. 97+25



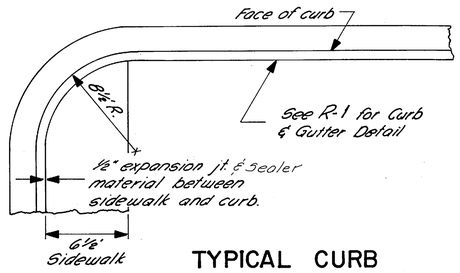
SIDEWALK WARP DETAIL
Rt. Sta. 97+65 & Sta. 98+71.67



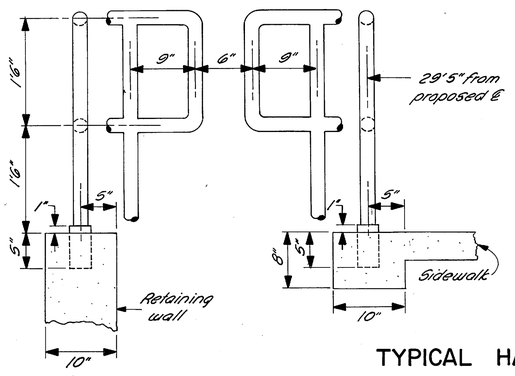
ENTRANCE DETAILS
Lt. Sta. 109+46 to Sta. 110+24

CURB CUT LOCATIONS

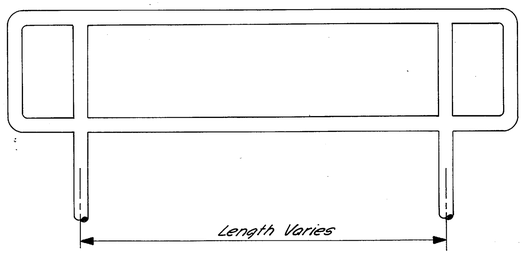
Station	Left	Right
~~94+01~~	~~Type 2~~	
94+43	~~Type 2~~ 30'	
95+39	Type 2	
95+81	Type 2	
97+25		Type 2
97+60		Type 2
98+06	Type 2	
100+45		~~Type 2~~ 19.2
101+05	Type 2	
102+38	Type 2	
105+60	Type 1	
107+33	Type 2	
107+45		~~Type 1~~ 40.5
108+15		~~Type 1~~ 38.0
110+38	Type 2	
110+90	Type 2	
111+72	Radius 30' Appr. ~~Type 1~~	
100+54	10' ℓ.	½" transverse expansion joints shall be placed at
105+10		50' maximum intervals of 30' and each curb return end.



TYPICAL CURB & SIDEWALK DETAIL



TYPICAL HANDRAIL DETAILS



SECTION

HANDRAIL LOCATIONS

Station to Station	Sections	Length
96+62 to 96+96	3 Lt.	10'
97+00 to 97+58	5 Lt.	10'
97+63 to 97+97	3 Lt.	10'
102+00 to 103+68	14 Rt.	10'
102+65.5 to 104+80*	18 Lt.	10'
99+48 to 100+47	7 Lt.	10'

* Openings Lt. 102+63 to 102+69.5
Lt. 103+17 to 103+24
99+22 to 99+27

NOTES

1. Rails and post shall be 2" Std. Structural Steel pipe at 3.65 pounds per foot.
2. All rails and post connection - miter, full butt weld and ground smooth.
3. Galvanize rail and post after fabrication as per A.S.T.M. A-123.
4. Post to be set in 3" Std. Structural Steel pipe socket and caulked with lead.
5. Handrail will be identical to that used on concrete stairs.
6. Concrete in handrail base shall be incidental to item 4" concrete sidewalk and will not be measured for payment.

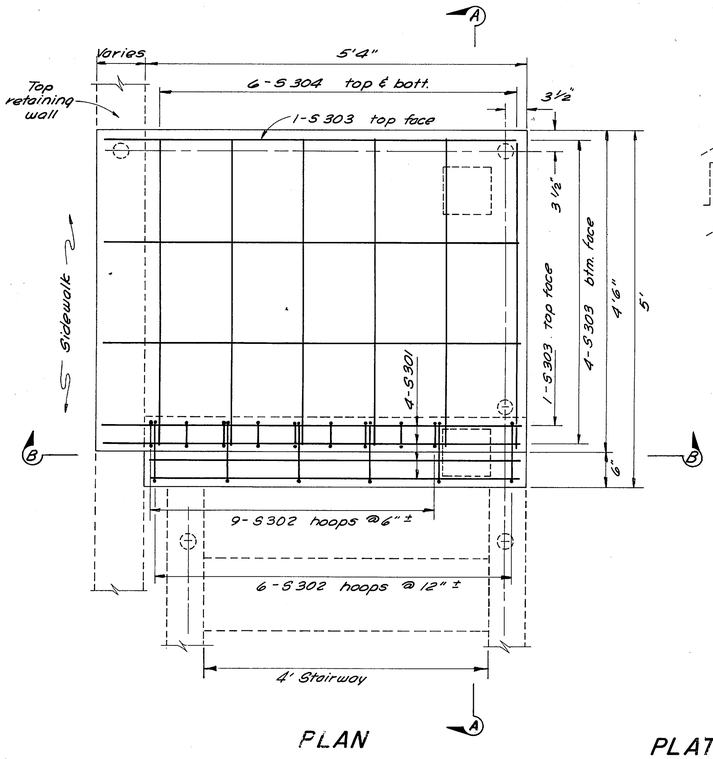
CURB NOTES

½" transverse expansion joints shall be placed at maximum intervals of 30' and each curb return end.

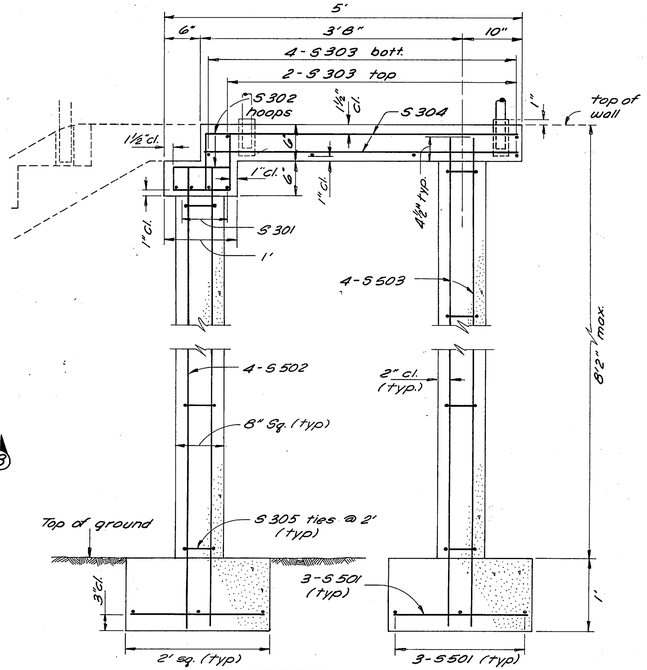
SIDEWALK NOTES

1. Transverse contraction joints shall be spaced at intervals of 3' to 6'. Every third sidewalk joint shall coincide with curb and gutter joint. All contraction joints will be edged with a ½" radius.
2. ½" Premolded expansion joint material shall be placed longitudinally where sidewalk abuts buildings or other structures.
3. ½" Transverse expansion joints shall be placed at maximum intervals of 30', and shall coincide with curb and gutter expansion joints.
4. All exposed corners of sidewalk and sidewalk expansion joints will be edged to a ½" radius during finishing. All expansion joints shall be sealed with a hot-poured elastic type joint seal conforming with AASHO designation M 173-60. This joint seal material will be considered incidental to Item 608(1) and 608(4), Concrete Sidewalk, and no separate payment will be made therefore.

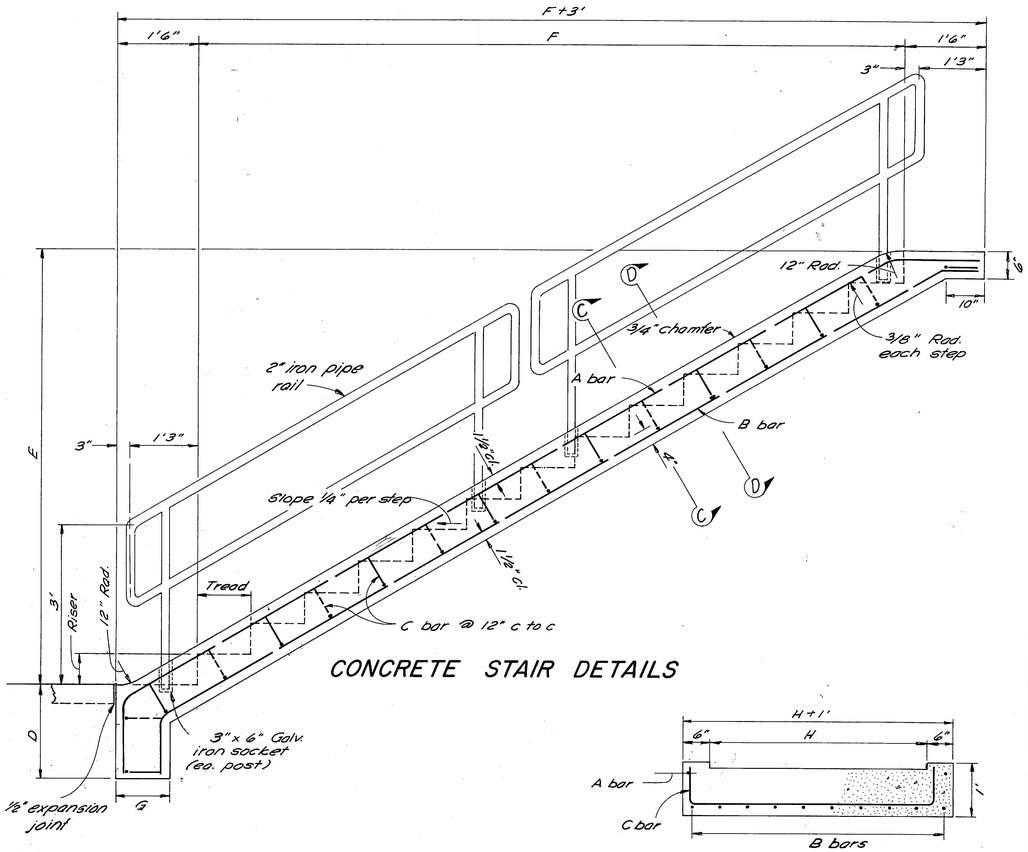
STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	F-095-8(12)	1967	13	32



PLAN



SECTION A-A



CONCRETE STAIR DETAILS

PLATFORM AND SUPPORT TABLE OF QUANTITIES

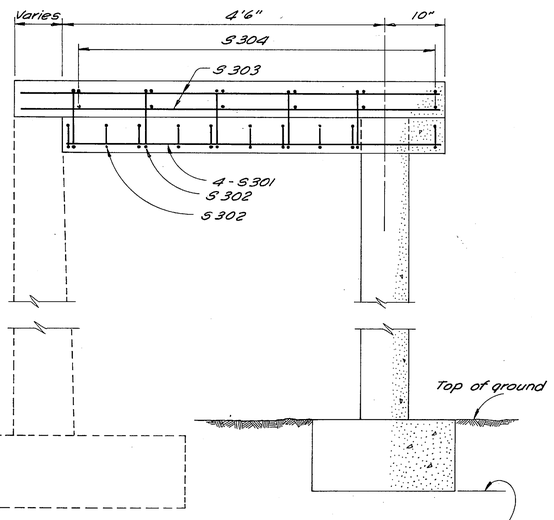
No. of risers	Platform S301 No.	S301 Lgt.	Platform S302 No.	S302 Lgt.	Platform S303 No.	S303 Lgt.	Platform S304 No.	S304 Lgt.	Platform support S305 No.	S305 Lgt.	S501 No.	S501 Lgt.	S502 No.	S502 Lgt.	S503 No.	S503 Lgt.	Total steel pounds	Total conc. cu. yds.
6	4	5'	15	2'11"	6	5'9"	12	4'3"	5	2'1"	12	1'8"	4	3'8"	4	4'2"	120	.9
7	"	"	"	"	"	"	"	"	6	2'1"	"	"	4	4'3"	4	4'9"	127	1.0
8	"	"	"	"	"	"	"	"	6	2'1"	"	"	4	4'10"	4	5'4"	132	1.0
9	"	"	"	"	"	"	"	"	7	2'1"	"	"	4	5'5"	4	5'1"	138	1.0
10	"	"	"	"	"	"	"	"	8	2'1"	"	"	4	6'	4	6'5"	143	1.0
11	"	"	"	"	"	"	"	"	8	2'1"	"	"	4	6'7"	4	7'1"	149	1.0

CONCRETE STAIR LOCATIONS

Location	no. of risers	Remarks
Lt. 97+02	8	platform
Lt. 97+60	6	platform
Lt. 98+16	8	
Rt. 99+67	4	
Lt. 99+77	2	
Lt. 102+67	11	platform
Lt. 103+20	8	

NOTES:

1. All concrete shall be Class A.
2. All edges shall be chamfered 3/4".
3. One half inch expansion joint shall be placed at the end of the steps where steps abut existing or proposed concrete sidewalk, retaining wall, or platform.
4. Railing and posts to be the same as called for in Retaining Wall Details.



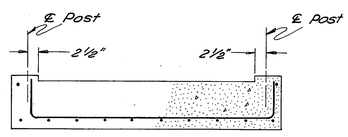
SECTION B-B

SECTION C-C

TABLE OF QUANTITIES FOR STAIRS

No. of risers	Riser R=7" Tread T=12" D	E	F	G	railing tot. lgt.	H=4' No. of bars A	B	C	Length of bars A	B	C	Total steel pounds	Total conc. cu. yds.
14	1'9"	8'2"	13'	12"	33'4"	2	10	17	19'3"	18'3"	6'	216	2.4
13	1'9"	7'7"	12'	12"	31'	2	10	16	18'1"	17'2"	6'	203	2.3
12	1'6"	7'	11'	12"	28'8"	2	10	15	16'8"	15'9"	6'	188	2.1
11	1'6"	6'5"	10'	12"	26'6"	2	10	14	15'6"	14'7"	6'	174	2.0
10	1'6"	5'10"	9'	10"	24'2"	2	10	13	14'4"	13'6"	6'	161	1.8
9	1'6"	5'3"	8'	10"	21'10"	2	10	12	13'2"	12'4"	6'	148	1.6
8	1'3"	4'8"	7'	10"	19'6"	2	10	10	11'9"	10'11"	6'	129	1.5
7	1'3"	4'1"	6'	8"	17'2"	2	10	9	10'7"	9'11"	6'	116	1.3
6	1'3"	3'6"	5'	8"	14'10"	2	10	8	9'6"	8'9"	6'	103	1.2
5	1'3"	2'11"	4'	8"	12'6"	2	10	7	8'4"	7'7"	6'	90	1.0
4	1'3"	2'4"	3'	6"	10'4"	2	10	6	7'2"	6'6"	6'	77	.9
3	1'3"	1'9"	2'	6"	—	2	10	5	6'	5'4"	6'	64	.7
2	1'3"	1'2"	1'	6"	—	2	10	4	4'10"	4'2"	6'	50	.6

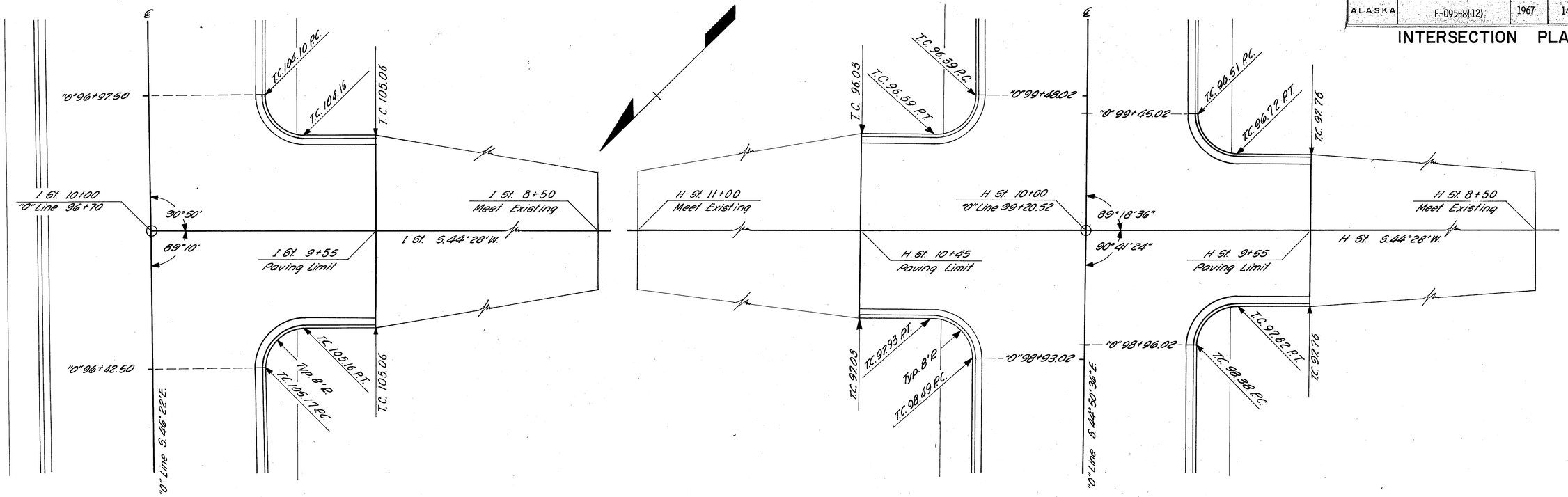
Note: All reinforcing steel is no. 4 bars unless otherwise noted.
Clear distance is two inches unless otherwise noted.



SECTION D-D

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	F-095-8(12)	1967	14	32

INTERSECTION PLAN



T.C. = Top of Curb

I STREET INTERSECTION

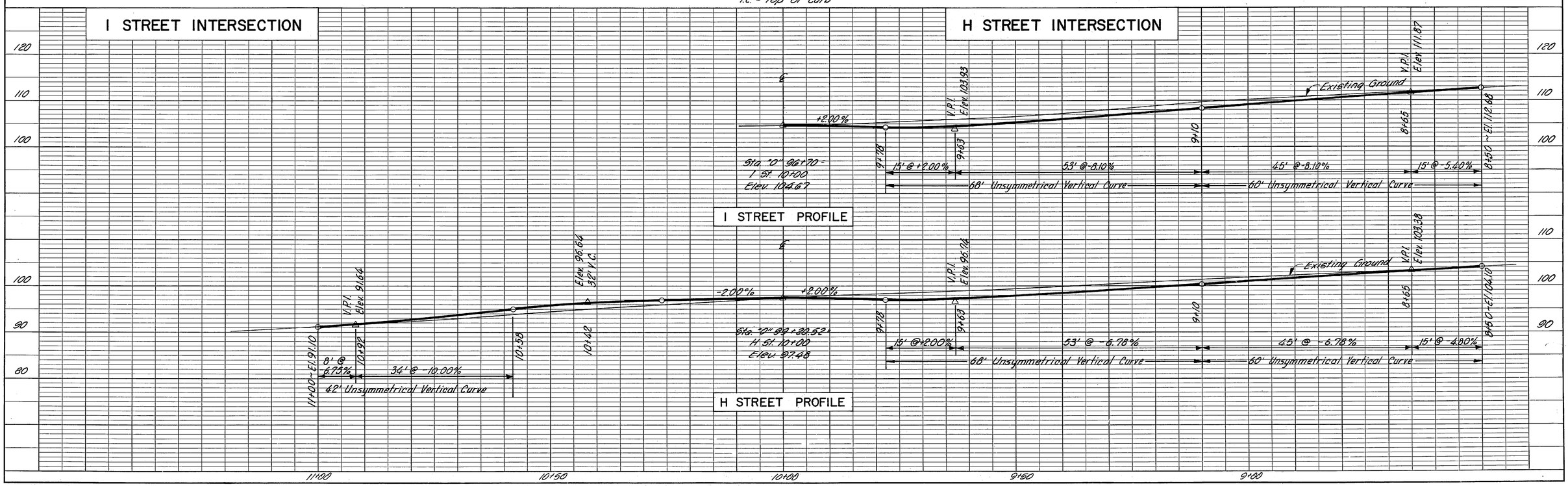
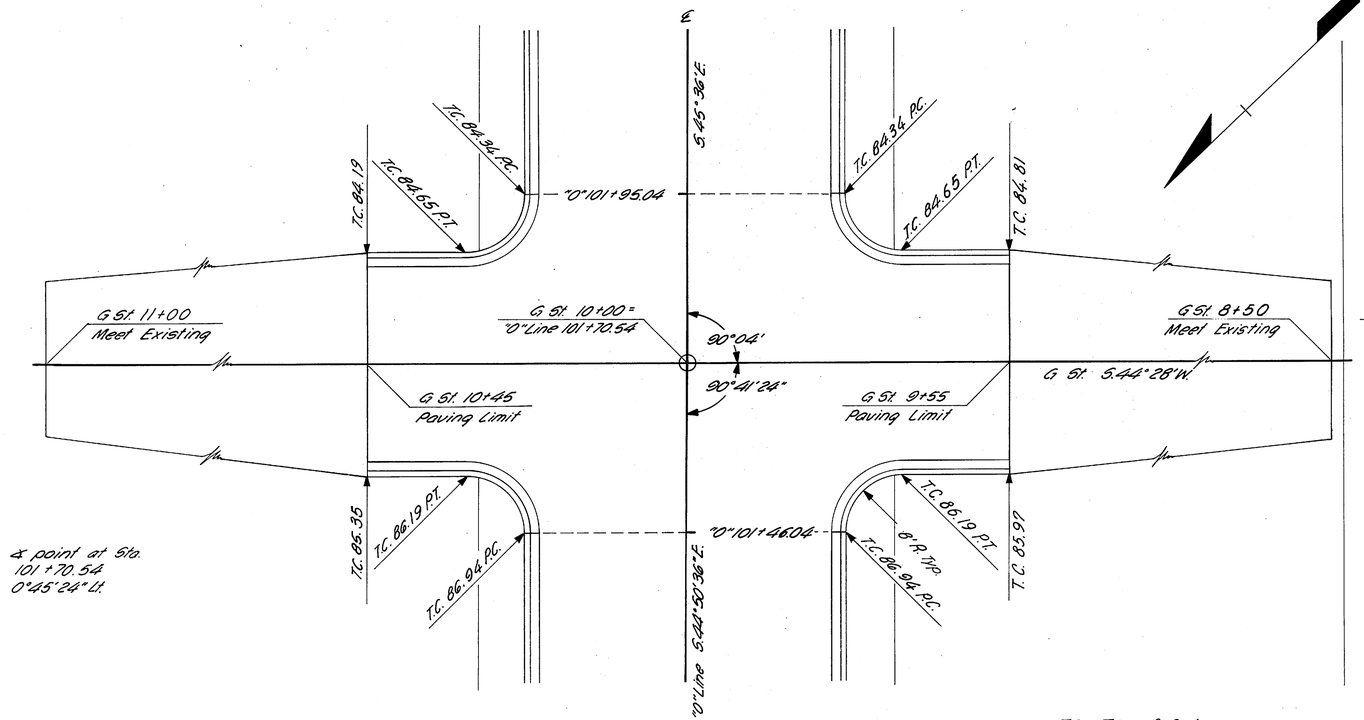


PLATE 1, PLAN-PROFILE
KEUFFEL & ESSER CO.

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	F-095-8(12)	1967	15	32

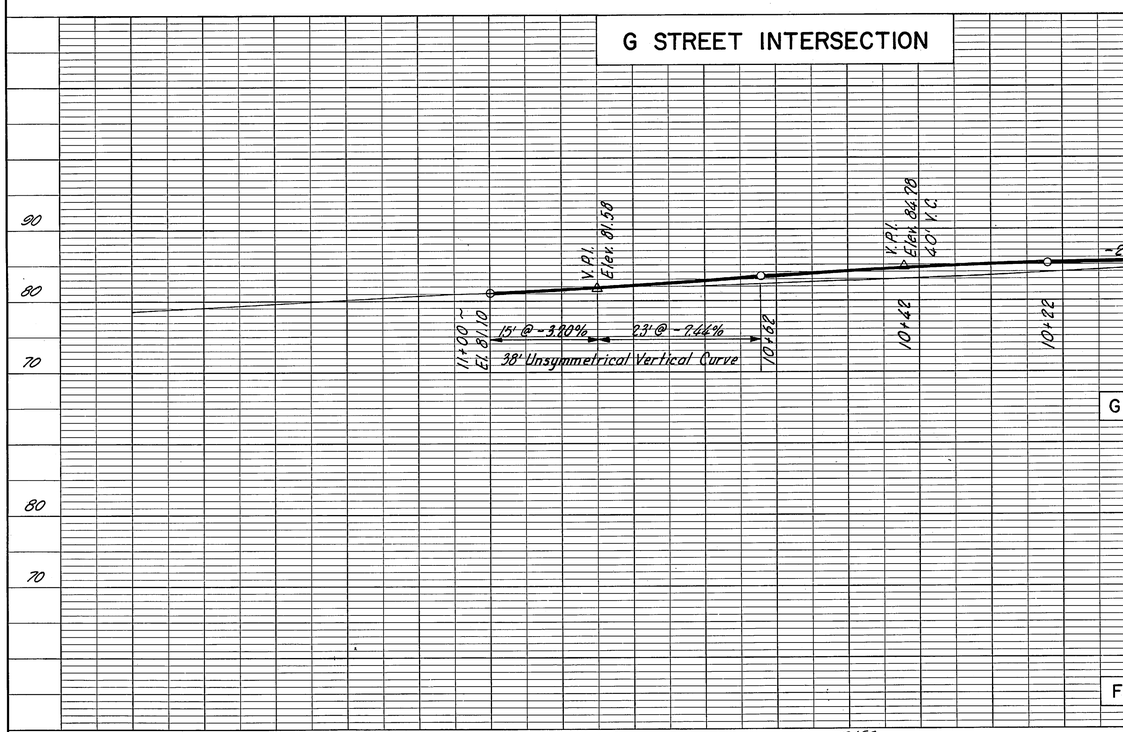
INTERSECTION PLAN



℄ point at Sta. 101+70.54 0°45'24" Lt.

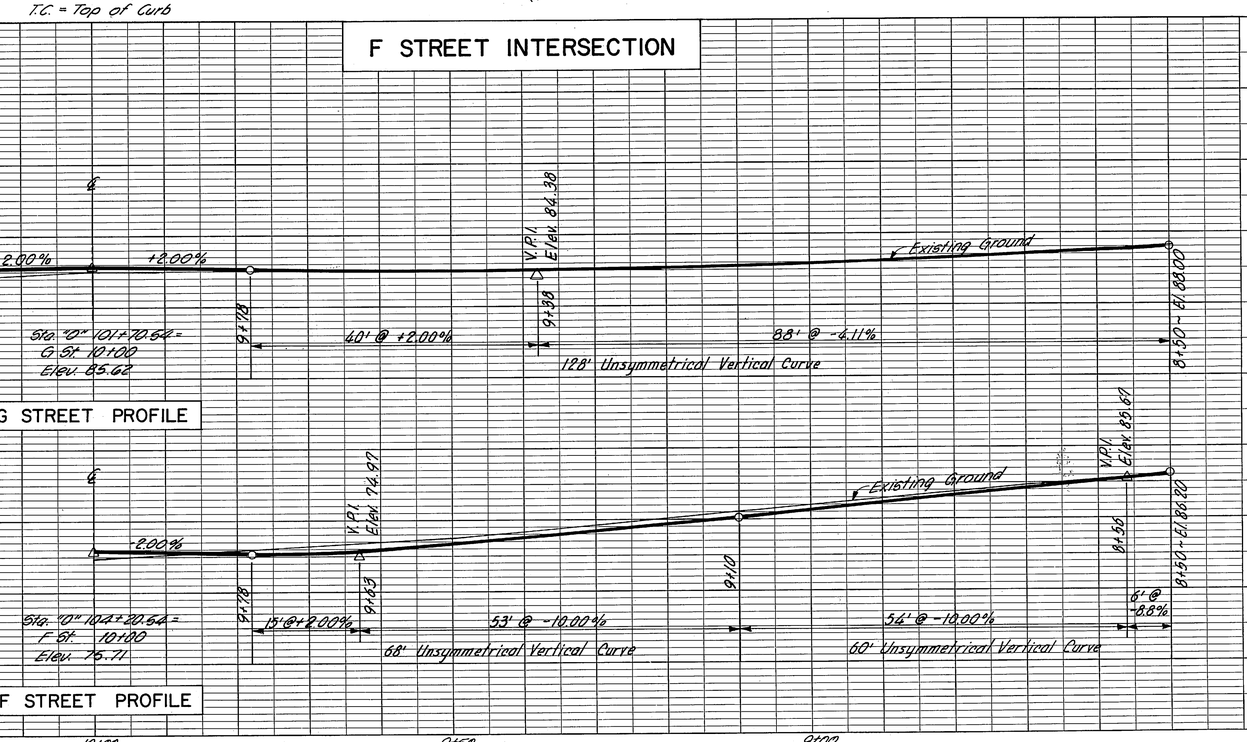
T.C. = Top of Curb

G STREET INTERSECTION



G STREET PROFILE

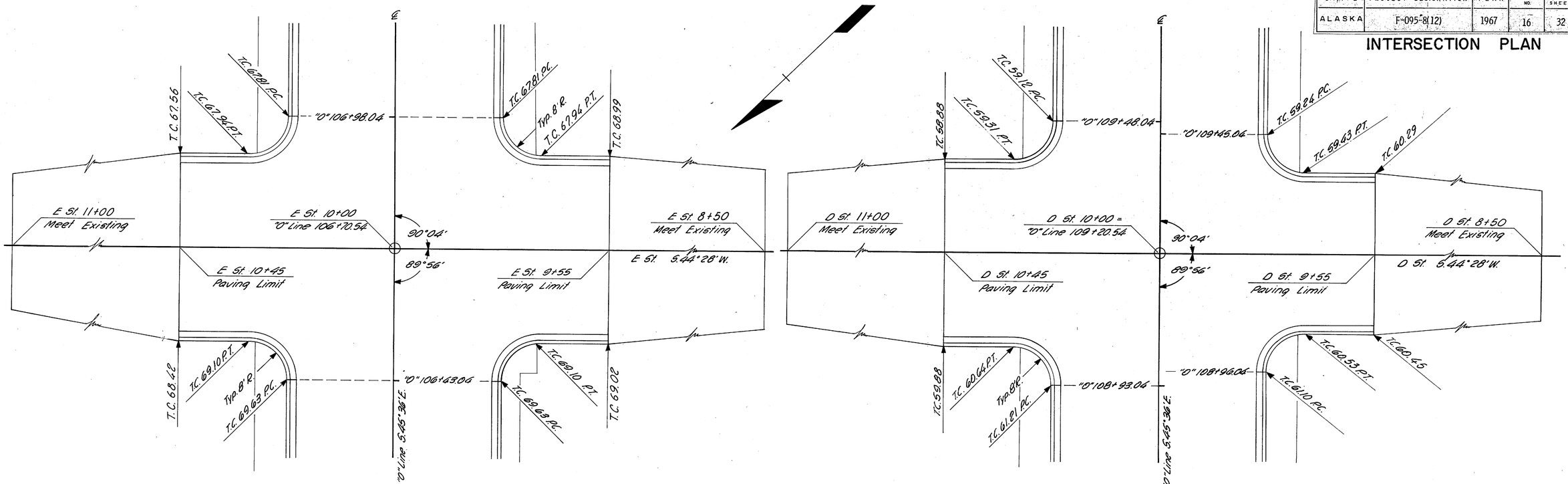
F STREET INTERSECTION



F STREET PROFILE

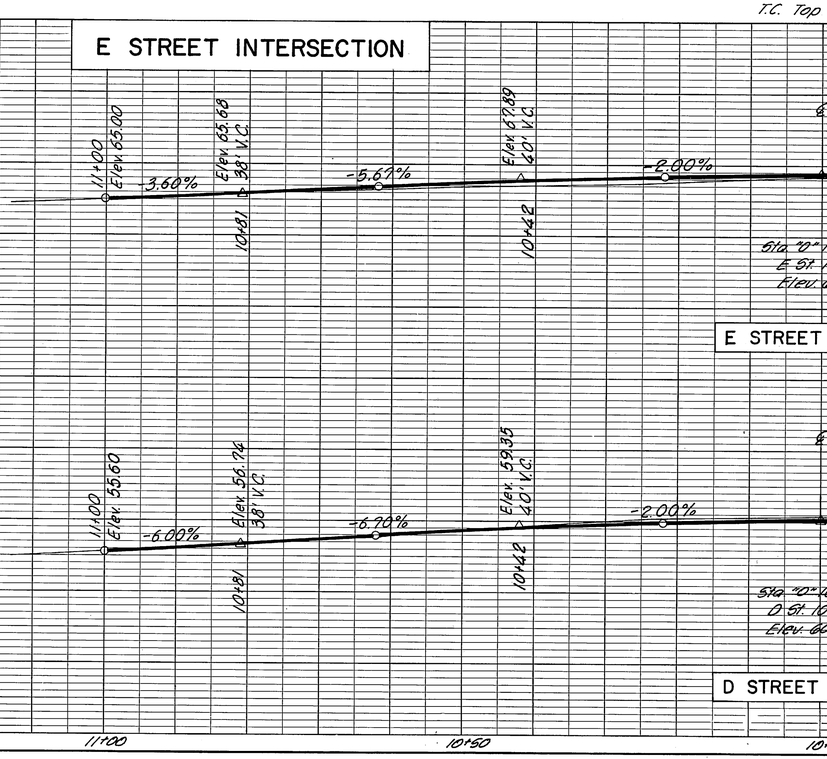
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	F-095-8(12)	1967	16	32

INTERSECTION PLAN



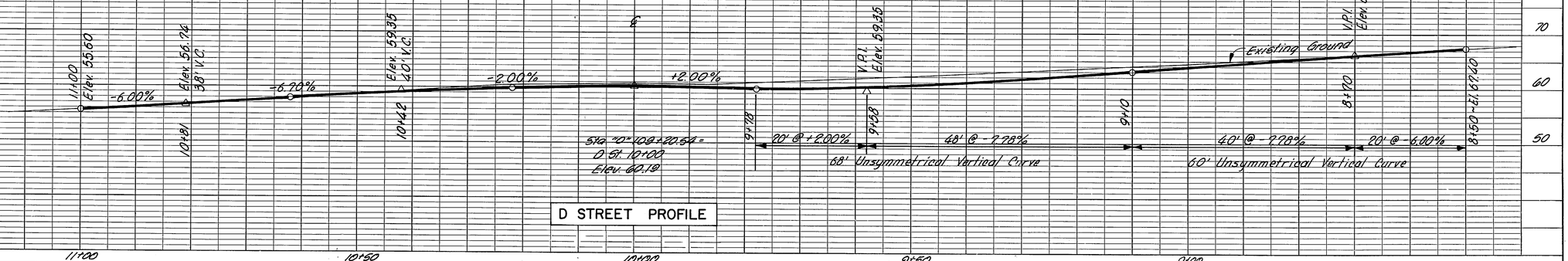
T.C. Top of Curb

E STREET INTERSECTION



E STREET PROFILE

D STREET INTERSECTION



D STREET PROFILE

11+00 10+50 10+00 9+50 9+00

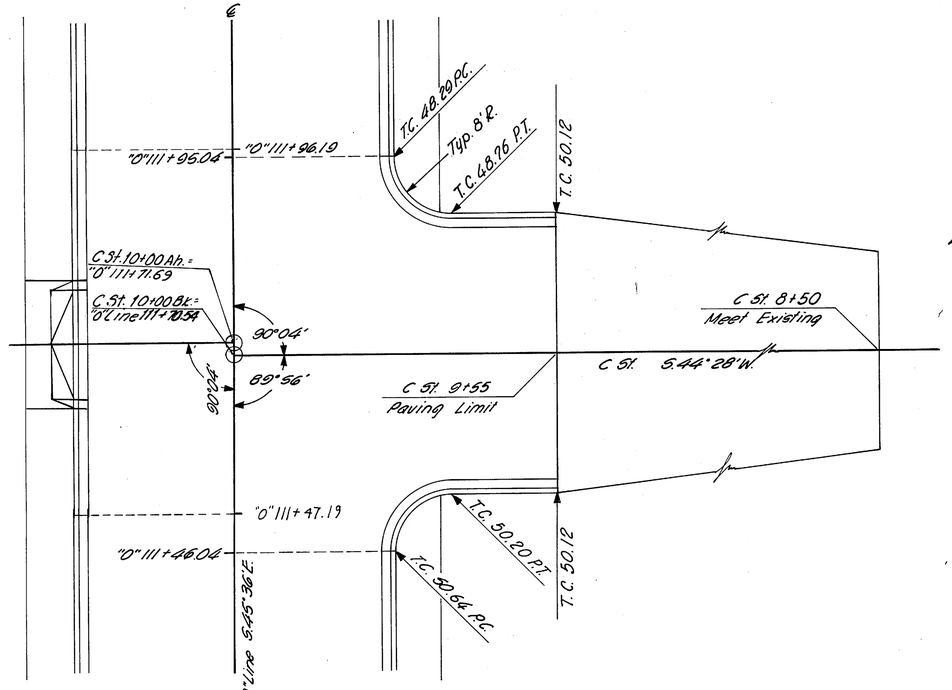
PLAN — SURVEYED, PLOTTED, ALIGNMENT CHECKED, RT. OF WAY CHECKED, NOTE BOOK, NO., BY, DATE

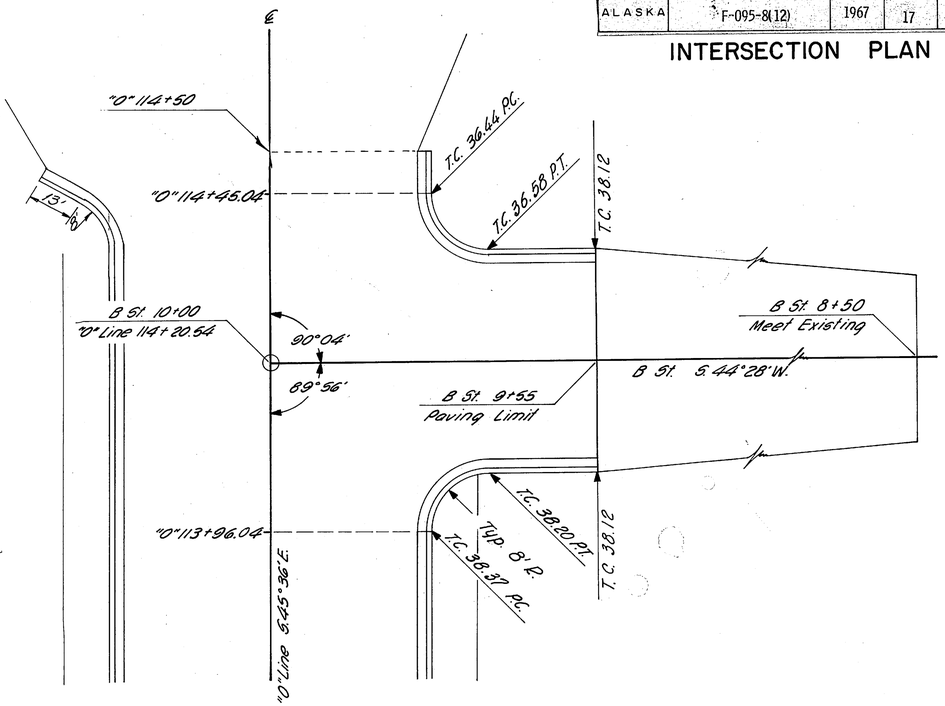
PROFILE — SURVEYED, PLOTTED, PROFILES CHECKED, B. M.'S NOTED, STRUCTURE NOTATIONS CHECKED, NO., BY, DATE

PLATE 1, PLAN-PROFILE
KEUFFEL & ESSER CO.

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	F-095-8(12)	1967	17	32

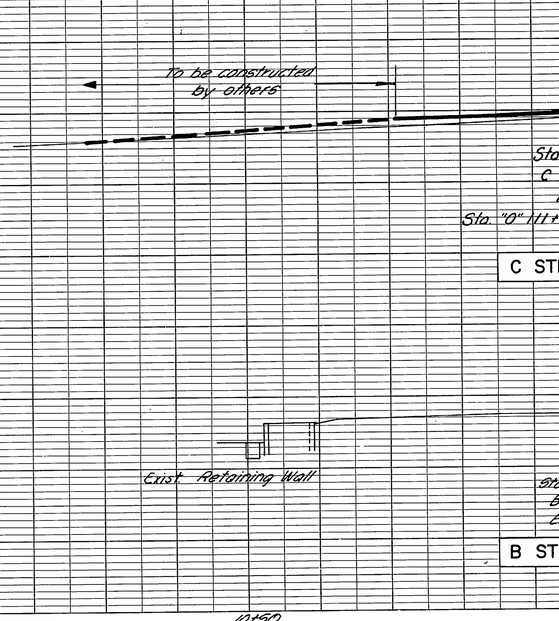
INTERSECTION PLAN





T.C. = Top of Curb

C STREET INTERSECTION



C STREET PROFILE

B STREET PROFILE

B STREET INTERSECTION

PLAN — SURVEYED, PLOTTED, GRADES CHECKED, ALIGNMENT CHECKED, RT. OF WAY CHECKED, NOTE BOOK, NO., BY, DATE

PROFILE — SURVEYED, PLOTTED, GRADES CHECKED, ALIGNMENT CHECKED, STRUCTURE NOTATNS CHKD, NOTE BOOK, NO., BY, DATE

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	F-095-8(12)	1967	18	32

Sta. 93+70 Beginning of Project
93
94
95
96
97
S 46° 22' E 440.00'
16.5'
New 6" C.I. Water main by others
Existing Graves
Match Line
Relocate curb cock & Install curb box. (188'± from M.H.@ 3rd & H)
Adjust 2 water valve boxes this intersection
I St. 96+70.36
S 44° 28' W
Block exist. tee
Sta. 96+90.4 31.5 Rt. Install City furnished Fire Hydrant behind new curb & connect to existing tee with 6" C.I. pipe & gate valve
Sta. 97+08 Rt. Remove exist. Fire hydrant & valve, plug & block tee.
Relocate curb cock & Install curb box. (135'± from M.H.@ 3rd & H)
Relocate curb cock & Install curb box. (101'± from M.H. @ 3rd & H)
Adj. 3 water valve boxes this inter section
Remove exist. 4" Valve & pipe, plug and block cross
Exist. 8" C.I. Water Main
Reconstruct water service (317'± from M.H.@ 3rd & F)
Construct new water service (265' from M.H.@ 3rd & F)
Construct new water service (242' from M.H.@ 3rd & F)
Exist. sewer lateral. (232'± from M.H.@ 3rd & F)
Reconstruct 1½" water service (189'± from M.H.@ 3rd & F)
98
99
100
101
102
103
S 44° 50' 36" E 445.74
S 45° 36' E
Reconstruct water service (155'± from M.H.@ 3rd & H)
Reconstruct water service (61'± from M.H.@ 3rd & H)
H St. 99+20.52
S 44° 28' W
Reconstruct water service (355'± from M.H.@ 3rd & F)
Reconstruct water service (307'± from M.H.@ 3rd & F)
Sta. 101+27 Rt. Install new City furnished Fire Hydrant & connect to exist. water main with new 6" C.I. pipe & gate valve.
Disconnect & plug water & sewer laterals (217.5'± from M.H.@ 3rd & F)
G St. 101+70.54
S 44° 28' W
New sewer lateral by others
6" Transite Sewer
Exist. sewer lateral. (191'± from M.H.@ 3rd & F)
Reconstruct water service (183'± from M.H.@ 3rd & F)
4" sewer, to be abandoned.

Note: This sheet for utility work only.

Approved: Guy Russo, Mayor

THIRD STREET UTILITY DETAILS

CITY OF DOUGLAS
ALASKA

D.E. Halsted   Reg. C.E. No. 860E   Mar. 20, 1966

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	F-095-8(12)	1967	19	32

Match Line

Plug exist sewer lateral. (exact location unknown) 103+50 ±

Reference M.H. 3rd ℄ F.

Adj. 4" water valve over this intersection

℄ St. 104+20.54

S 44° 28' W

Remove 4" C.I. valve and pipe plug and block Tee

Existing sewer lateral. (479' ± from M.H. @ 3rd ℄ D)

Placed by City ~~Reconstruct water service~~ (445' ± from M.H. @ 3rd ℄ D)

Existing sewer lateral (406' ± from M.H. @ 3rd ℄ D)

Reconstruct water service (355' ± from M.H. @ 3rd ℄ D)

Disconnect & Plug sewer lateral (312' ± from MH @ 3rd ℄ D)

Sta. 106+32 Lt. Install new City furnished Fire Hydrant & connect to exist. water main with new 6 C.I. pipe & gate valve.

(Exist. 'Copper Water line (241.6' ± from M.H. @ 3rd ℄ D)

Disconnect and Plug sewer lateral (203' ± from MH @ 3rd ℄ D)

Extended by city of Douglas

Existing sewer lateral. (174' ± from M.H. @ 3rd ℄ D)

Construct new ¾" water service 154' ± from M.H. @ 3rd ℄ D sta.

Reconstruct water service ~~FFFF~~ (146' ± from M.H. @ 3rd ℄ D)

Existing sewer lateral. (199' ± from M.H. @ 3rd ℄ D)

Sta. 109+33 Lt. ℄ St. adj. 2 valve boxes

Match Line

3/4" Rt. Sta. 109+38 Install city furnished fire hydrant. Connect to existing main with 6" C.I.P. & gate valve.

Adjust valve box & C.I. water valve boxes

Disconnect & Plug Sewer lateral

℄ St. 106+70.54

S 44° 28' W

Disconnect end plug existing water service in manhole

Adjust valve box in existing 4" C.I. water. (330.6' from M.H. @ 3rd ℄ D)

Relocate curb cock & install curb box (337' ± from M.H. @ 3rd ℄ D)

Disconnect & Cap Existing Water service (312' ± from M.H. @ 3rd ℄ B)

No water service No. 3 location comes in on ℄ St.

Sta. 106+45 ℄ 106+63

Rt. adj. 2 water valve boxes

29' ±

S 45° 36' E

Disconnect and Plug existing water service & sewer lateral (198' ± from M.H. @ 3rd ℄ D)

No Disconnect made

Disconnect & plug existing sewer lateral (152' ± from M.H. @ 3rd ℄ D)

Adjust valve box & install electrical bond wire. (122' ± from M.H. @ 3rd ℄ D)

Reconstr. water service (52' ± from MH @ 3rd ℄ D)

D St. 109+20.54

S 44° 28' W

Existing sewer lateral. (448' ± from MH @ 3rd ℄ B)

Reconstruct water service (445.4' ± from MH @ 3rd ℄ B)

Reconstruct water service (409' ± from MH @ 3rd ℄ B)

Disconnect and plug exist. water & ~~sewer~~ service (381' ± from MH @ 3rd ℄ B)

Sewer lateral not disconnected at request of City of Douglas

New Service Reconstruct water service (348' ± from M.H. @ 3rd ℄ B)

Reconstruct water service (428' ± from M.H. @ 3rd ℄ B)

Replace exist. ¾" water service with new 1½" service (405' ± from M.H. @ 3rd ℄ B)

Reconstruct 1½" water serv. (345' ± from MH @ 3rd ℄ B)

Reconstruct water service (311' ± from M.H. @ 3rd ℄ B)

Existing sewer lateral (290' ± from MH @ 3rd ℄ B)

Sta. 111+43 Rt. Install new City furnished Fire Hydrant & connect to exist. water main with new 6 C.I.P. pipe & valve.

℄ St. 111+70.54

S 44° 28' W

Construct new 1½" water serv. (290' ± from M.H. @ 3rd ℄ B) 285' ± 1¼" 2¼ Lt.

Deleted by City of Douglas

~~Construct new 4" sewer lat.~~ (290' ± from M.H. @ 3rd ℄ B)

Disconnect and plug existing water service (228' ± from M.H. @ 3rd ℄ B)

Post Office

Sta. 111+73 Rt. 11' adj. water valve box

Disconnect Reconnected by Douglas

~~Reconstruct~~ water service (229' ± from MH @ 3rd ℄ B)

Exist. water & sewer laterals. (187' ± from M.H. @ 3rd ℄ B)

Highway Bldg.

Construct new ¾" water service near existing sewer lateral (198' ± from M.H. @ 3rd ℄ B)

Reconstruct water service (172' ± from MH @ 3rd ℄ B

Sta. 112+98 Under-ground electric service

Existing sewer lateral (118' ± from M.H. @ 3rd ℄ B)

Existing sewer lateral (85' ± from M.H. @ 3rd ℄ B)

Sta. 113+83 Lt. 8' adj. water valve box

End of Project 114+50

Approx. Location Tel. Cable in a 4" Transite Conduit

Sta. 114+30 Rt. 19' adj. water valve box

B St. 114+20.54

S 44° 28' W

Adjust water valve box

STATE OF ALASKA 49TH D.E. Halsted No. 860-E PROFESSIONAL REGISTERED ENGINEER

Note: This sheet for utility work only.

Approved: Doug Russo, Mayor

THIRD STREET UTILITY DETAILS

CITY OF DOUGLAS
ALASKA

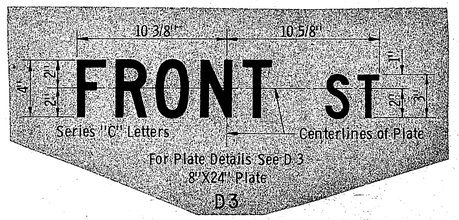
D.E. Halsted Reg. C.E. No. 860 E Mar. 20, 1966

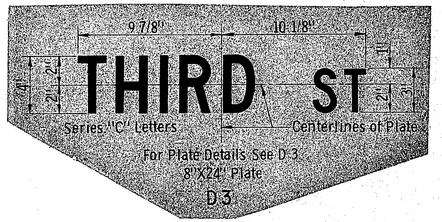
STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	F-098-8(12)	1967	20	32

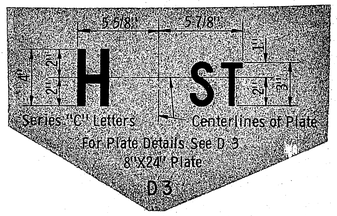
SUMMARY OF STANDARD SIGNS

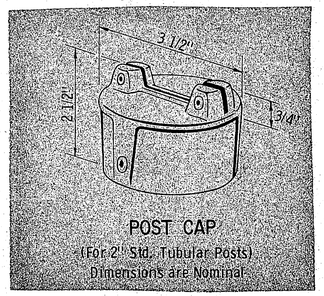
STATION	Dist. from Centerline Left	Dist. from Centerline Right	Sign Nº	LEGEND
0+00		20'	W9-3	School Crossing Ahead
0+25	27'		D2-2	Juneau 3 Auke Bay 14
93+75		28'	R1-1	Stop
96+32		27'	W9-2	School Crossing
96+42	29'		W9-2	School Crossing
96+70	30'		D3	I St.
96+93		33'	R1-1	Stop
96+93		33'	D3	I St. (Above R1-1)
96+93		33'	D3	Third St. (Above R1-1)
98+91	27'		W9-3	School Crossing Ahead
98+97	33'		R1-1	Stop
98+97	33'		D3	H St. Above R1-1)
98+97	33'		D3	Third St. (Above R1-1)
99+43		33'	R1-1	Stop
99+43		33'	D3	H St. (Above R1-1)
99+43		33'	D3	Third St. (Above R1-1)
101+50	33'		R1-1	STOP
101+50	33'		D3	G St. (Above R1-1)
101+50	33'		D3	Third St. (Above R1-1)
101+90		33'	R1-1	Stop
101+90		33'	D3	G St. (Above R1-1)
101+90		33'	D3	Third St. (Above R1-1)
104+20	30'		D3	F St.
104+20	30'		D3	Third St.
104+43		33'	R1-1	Stop
104+43		33'	D3	F St. (Above R1-1)
104+43		33'	D3	Third St. (Above R1-1)
106+48	33'		R1-1	Stop
106+48	33'		D3	E St. (Above R1-1)
106+48	33'		D3	Third St. (Above R1-1)
106+93		33'	R1-1	Stop
106+93		33'	D3	E St. (Above R1-1)
106+93		33'	D3	Third St. (Above R1-1)

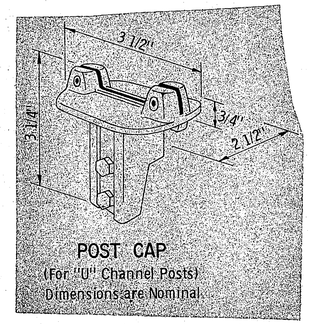
STATION	Dist. from Centerline Left	Dist. from Centerline Right	Sign Nº	LEGEND
108+98	33'		R1-1	Stop
108+98	33'		D3	D St. (Above R1-1)
108+98	33'		D3	Third St. (Above R1-1)
109+43		33'	R1-1	Stop
109+43		33'	D3	D St. (Above R1-1)
109+43		33'	D3	Third St. (Above R1-1)
111+50	28'		D3	C St.
111+50	28'		D3	Third St.
111+90		33'	R1-1	Stop
111+90		33'	D3	C St. (Above R1-1)
111+90		33'	D3	Third St. (Above R1-1)
111+90		29'	W2-5	Y (Symbol)
113+80	30'		R2-1	Speed Limit 25
114+20	30'		D3	Third St.
114+40		33'	R1-1	Stop
114+40		33'	D3	B St. (Above R1-1)
114+40		33'	D3	Third St. (Above R1-1)
114+43	33'		R1-1	Stop
114+43	33'		D3	Front St. (Above R1-1)
114+88			W14-6	9 Button Hazard Marker
96+70	30'		D-3	Third St.

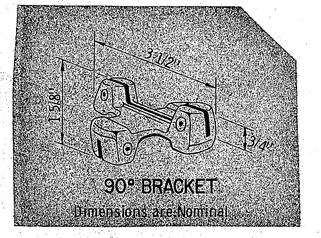


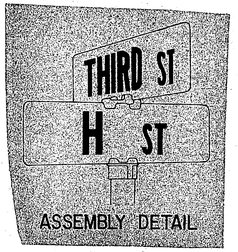


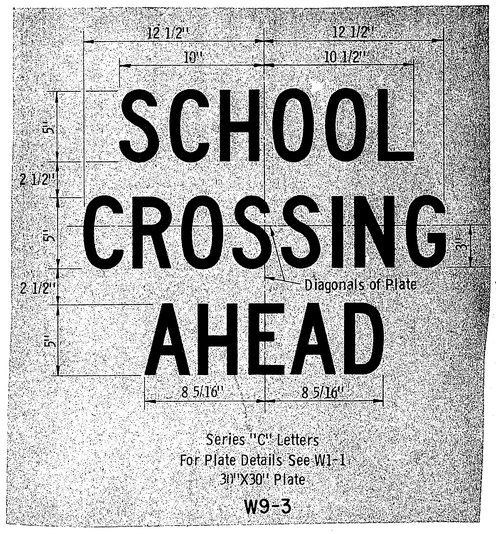


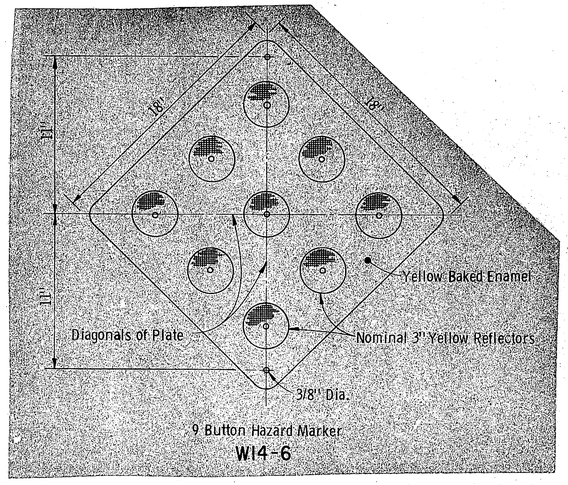


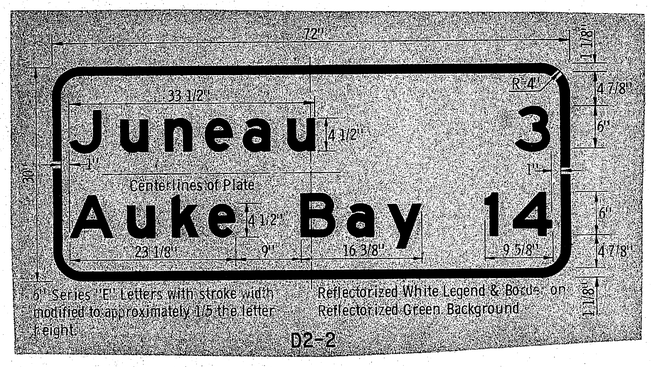












STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	F-095-8(12)	67	21	32

REVISIONS		
No.	Date	Description

SUMMARY OF BRASS CAP MONUMENTS AND MONUMENT CASES

STATION	MON.	MON. CASE	EXTEND PIPE	REMARKS	STATION	MON.	MON. CASE	EXTEND PIPE	REMARKS
93 + 70	1	1		B. O. P. AT ℄					
97 + 24.8	1	1		ANGLE POINT AT ℄					
					LT. 98 + 54.2	~~1~~ Used Existing	1		REPLACE EXISTING
101 + 70.54	1	1		ANGLE POINT G. ST. AT ℄					
111 + 70.54	~~1~~	~~1~~		C. ST. AT ℄					
114 + 50	1	1		E. O. P. AT ℄					
TOTAL	5	~~4~~	~~0~~			~~0~~	1		

Total 5 Monu. & 5 Cases