

# STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES

## PLAN AND PROFILE PROPOSED HIGHWAY PROJECT KETCHIKAN TONGASS AVE. A-87151 CURB, GUTTER & SIDEWALK

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1	TITLE SHEET
2	TYPICAL SECTIONS
	SIDEWALK DETAILS
3	ESTIMATE OF QUANTITIES
	DRAINAGE DETAILS
4 - 8	PLAN AND PROFILE

THE FOLLOWING STANDARD DRAWINGS SHALL APPLY TO THIS PROJECT:  
 A-1, C-00.00, C-10.01, C-11.01,  
 D-01.00, D-05.01, D-23.00, D-24.00, D-26.01,  
 D-27.00, I-20.00, I-40.00, M-16.00

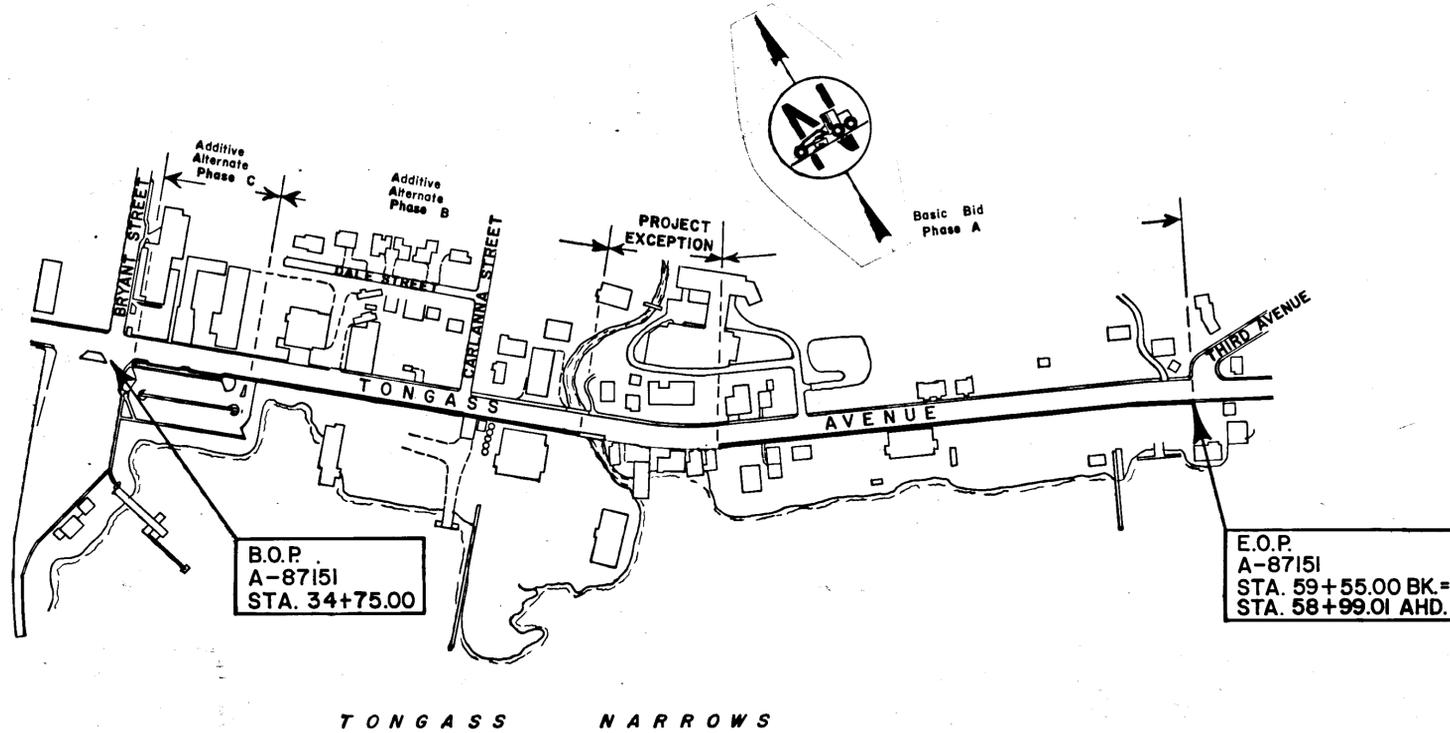
"As Built"

Contractor: Southeast Engineering  
 Project Engineer: D.F. Robbins  
 Construction Began: May 11, 1985  
 Construction Ended: Sept. 26, 1985

### PROJECT SUMMARY

LENGTH OF PROJECT  
 PHASE A STA. 48+75 to STA. 59+55 = 1080 lin. ft.  
 B STA. 38+30 to STA. 46+00 = 770 lin. ft.  
 C STA. 34+75 to STA. 38+30 = 355 lin. ft.

PROJECT EXCEPTION  
 STA. 46+00 to STA. 48+75



STATE OF ALASKA  
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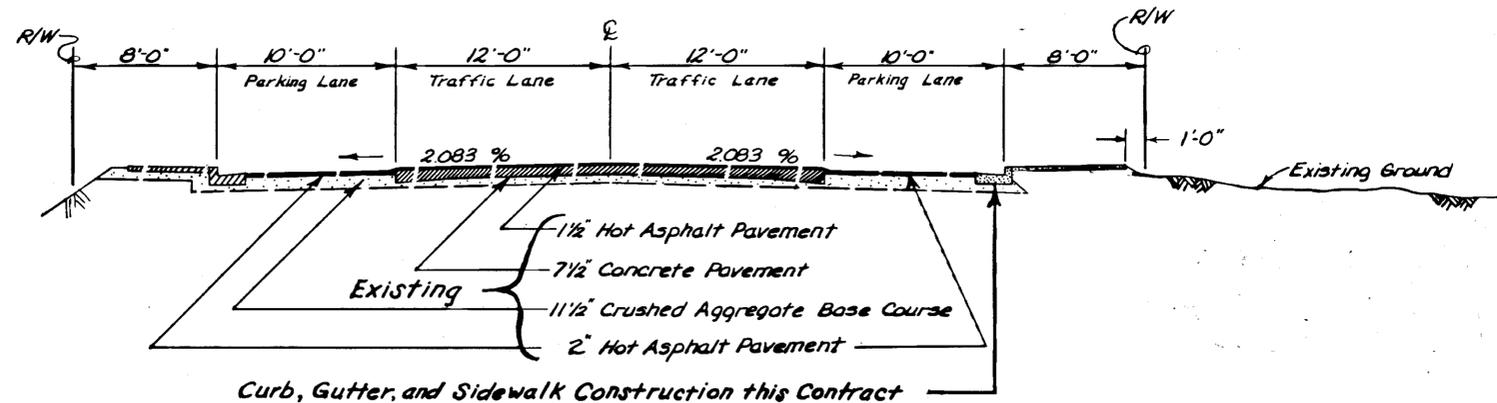
APPROVED  
*Wallace K. Williams* Date 3/19/85  
 SOUTHEASTERN REGION DESIGN ENGINEER

STATE OF ALASKA  
 DEPARTMENT OF TRANSPORTATION  
 &  
 PUBLIC FACILITIES

APPROVED  
*[Signature]* Date 3/19/85  
 DIRECTOR, HIGHWAY DESIGN/CONSTRUCTION

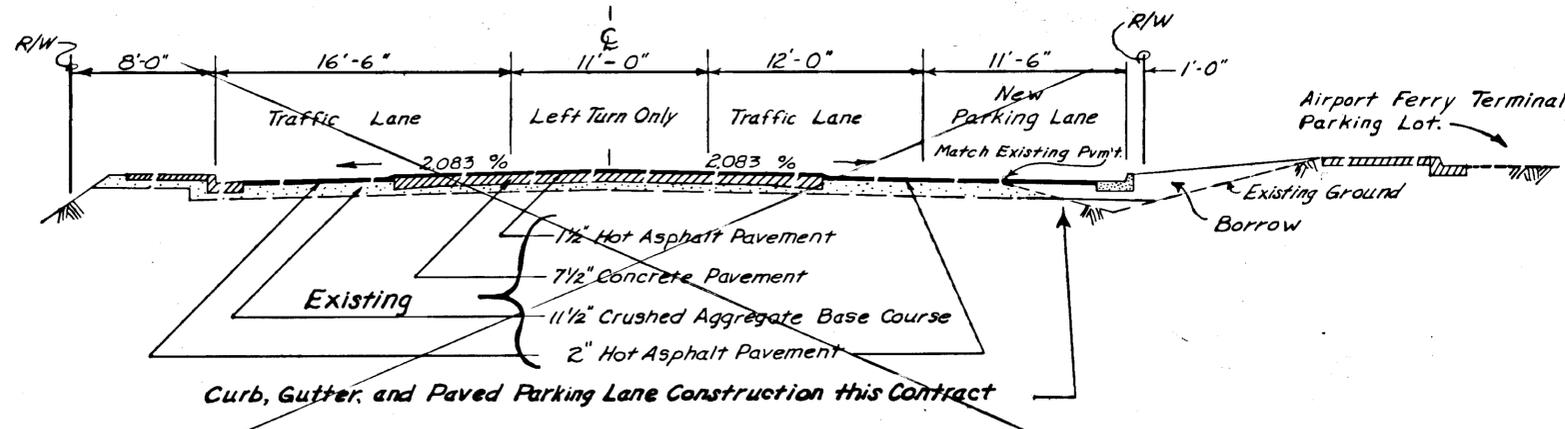
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	A-87151	1985	2	8

## TYPICAL SECTIONS



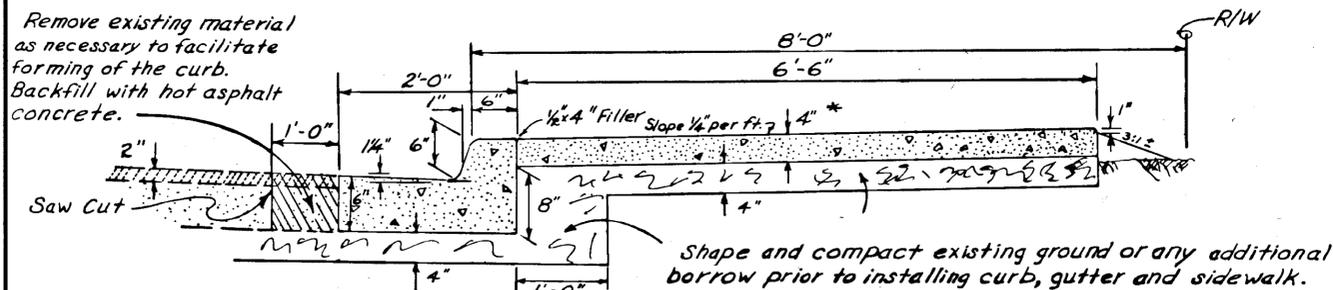
**Curb, Gutter, and Sidewalk Construction this Contract**

Sta. 35+35 to Sta. 35+73  
Sta. 37+45 to Sta. 59+55



**Curb, Gutter, and Paved Parking Lane Construction this Contract**

Sta. 35+73 to Sta. 37+45

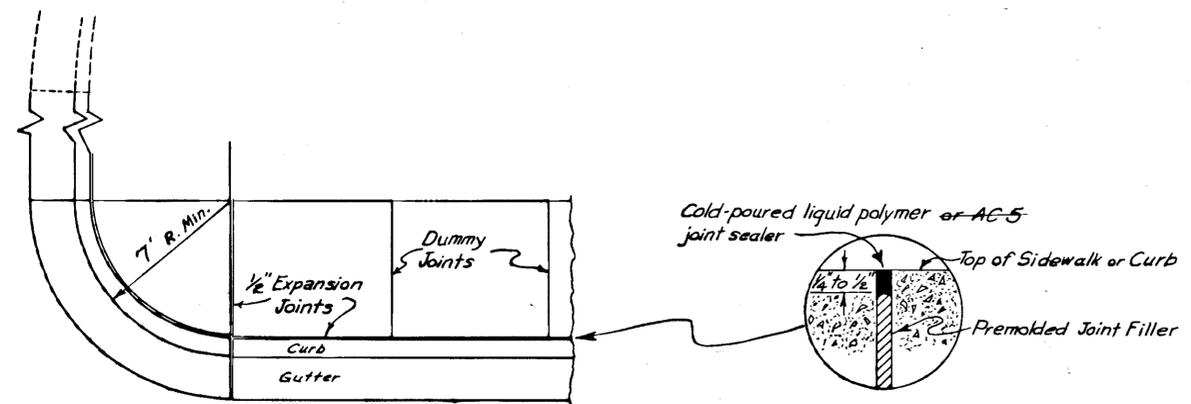


### CONCRETE CURB, GUTTER, & SIDEWALK DETAILS

\*6" Thick at driveway sections. See Standard Drawing I-20.00.

## GENERAL NOTES

- Grades as shown are subject to minor revisions. Storm inlet locations and culvert pipe lengths and locations are subject to minor revisions.
- See Plan & Profile Sheets for locations of storm inlets.
- All inlets shall be constructed in accordance with Standard Drawing D-26.01.
- Elevation of inlets are approximate only. All drainage dimensions shall be field verified by the Contractor and new inlets set to meet field conditions.
- The rubber gasket used in the saddle connection shall conform to section 705-2.05 of the Standard Specifications.
- All inlets shall have bicycle safe grates.
- A butt-type joint shall be used to match new with existing pavement and sidewalk.
- Premolded expansion joint filler and liquid polymer joint sealer will be considered incidental to other items of work and no separate payment shall be made therefore.
- 1/2" transverse expansion joints shall be at the end of curb returns and immediately following and preceding curb cuts in the curb and gutter.
- Expansion joints in sidewalks shall be opposite expansion joints in adjoining curb and gutter. Dummy cuts shall be at uniform intervals of 6' except where shorter sections are necessary for closure.
- Wheelchair ramps shall be considered incidental to item 608 (1), concrete sidewalk, and no separate payment will be made therefore.
- Wheelchair ramps shall have a wood float or rougher finish.
- Wheelchair ramps shall have a curb face of 1/2".
- Existing asphalt and concrete to be removed shall be sawed to a neat line.
- Excavation, Borrow and Shaping for Phase A & B will be considered incidental to other items of work. Approximately 300 tons of borrow needed for Phase C.



See Standard Drawing I-20.00 for curb and gutter detail.

### TYPICAL EXPANSION & CONTRACTION JOINT DETAILS





### ESTIMATE OF QUANTITIES

ITEM No.	ITEM	UNIT	PHASE A	PHASE B	PHASE C	TOTAL QUANTITY
109(2)	D.B.E. & W.B.E. Adjustments	C.S.	All Req'd.	All Req'd.	All Req'd.	All Req'd.
110(1)	Mobilization	L.S.	All Req'd.	All Req'd.	All Req'd.	All Req'd.
111(1)	Temporary Erosion & Pollution Control	C.S.	All Req'd.	All Req'd.	All Req'd.	All Req'd.
114(1)	Construction Surveying by the Contractor	L.S.	All Req'd.	All Req'd.	All Req'd.	All Req'd.
115(1)	Traffic Maintenance	L.S.	All Req'd.	All Req'd.	All Req'd.	All Req'd.
202(1)	Removal of Structures & Obstructions	L.S.	All Req'd.	All Req'd.	All Req'd.	All Req'd.
202(11)	Removal of Pavement	L.S.	All Req'd.	All Req'd.	All Req'd.	All Req'd.
301(1)	Crushed Aggregate Base Course	Ton	0	0	300	300
401(6)	Asphalt Concrete	L.S.	All Req'd.	All Req'd.	All Req'd.	All Req'd.
603(1)	18 inch Corrugated Steel Pipe	L.F.	0	0	266	266
603(21)	18 inch Branch Connections	Each	0	0	2	2
604(5)	Inlet	Each	0	0	1	1
604(6)	Catch Basin, Type "A"	Each	3	2	3	8
608(1A)	Concrete Sidewalk, 4"	S.Y.	590	451	70	1,111
608(1B)	Concrete Sidewalk, 6"	S.Y.	190	94	0	284
609(2A)	Curb & Gutter, Standard Type	L.F.	817*	396*	275	1,488
609(2B)	Curb & Gutter, Depressed Type	L.F.	263*	130*	0	393
614(2)	Monument Case	Each	1	0	0	1
615(2)	Remove & Relocate Existing Signs	Each	3	3	3	9
628(11)	Adjustment of Valve Box	Each	0	0	1	1

\* Distances adjusted to allow for transition sections from 4" to 6" sidewalk.

### DRIVEWAY SUMMARY, RT.

STATION	WIDTH	REMARKS
37+99	40'	Phase "C" Existing Dr. *
40+40	28'	Phase "B"
43+21	30'	
43+93	20'	Ambulance Entrance
45+40	40'	
49+50	20'	Phase "A"
50+55	18'	
51+25	18'	
52+56	24'	
54+02	24'	
54+69	20'	
55+35	26'	
57+19	36'	
57+92	30'	
59+41	17'	

\* Curb returns existing. No curb, gutter or sidewalk crossing driveway.

### INLET SUMMARY

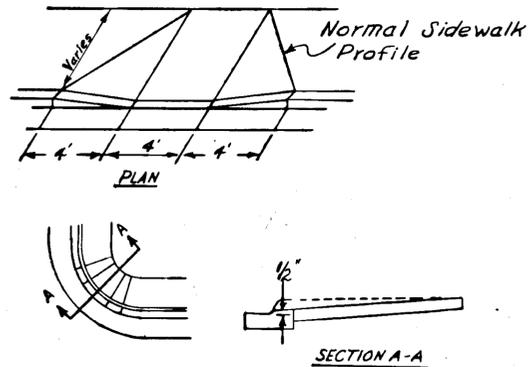
Structure	Type	Location	Offset		Top Curb Elev.	Invert Elev.
			Left	Right		
S-1	Field	34+75		25'	None	19.8 ±
S-2	"A" Curb	35+40		25'	22.80	19.2 ±
S-3		36+18		28'	22.66	18.0 ±
S-4		37+42		28'	22.53	19.7 ±
S-5		38+50		22'	22.48	14.7 ±
S-6		39+54		22'	22.91	18.7 ±
S-7		51+00		22'	24.50	21.1 ±
S-8		56+18		22'	24.90	21.9 ±
S-9		59+61 Bk.		22'	23.18	15.5 ±

### PIPE SUMMARY

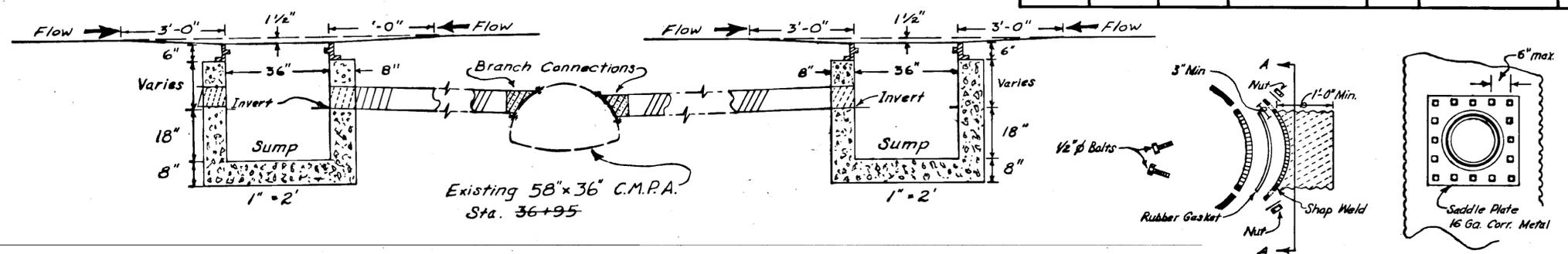
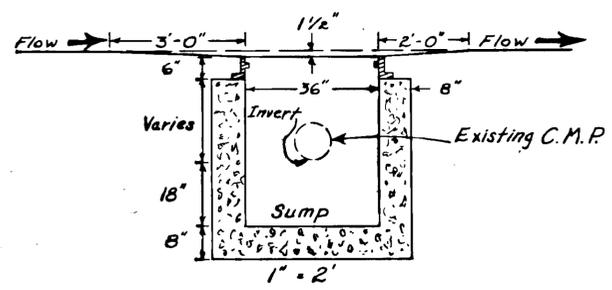
Pipe	Dia.	Length	From		To	
			Struct./Sta.	Elev.	Struct./Sta.	Elev.
P-1	18"	64' ±	S-1	19.8 ±	S-2	19.2 ±
P-2	18"	80' ±	S-2	19.2 ±	S-3	18.0 ±
P-3	18"	78' ±	S-3	18.0 ±	36+95	14.0 ±
P-4	18"	44' ±	S-4	19.7 ±	36+95	14.0 ±

### WHEELCHAIR RAMP SUMMARY

Station 35+50 ± Rt.
Station 37+75 ± Rt.
Station 38+25 ± Rt.



WHEELCHAIR RAMP DETAILS

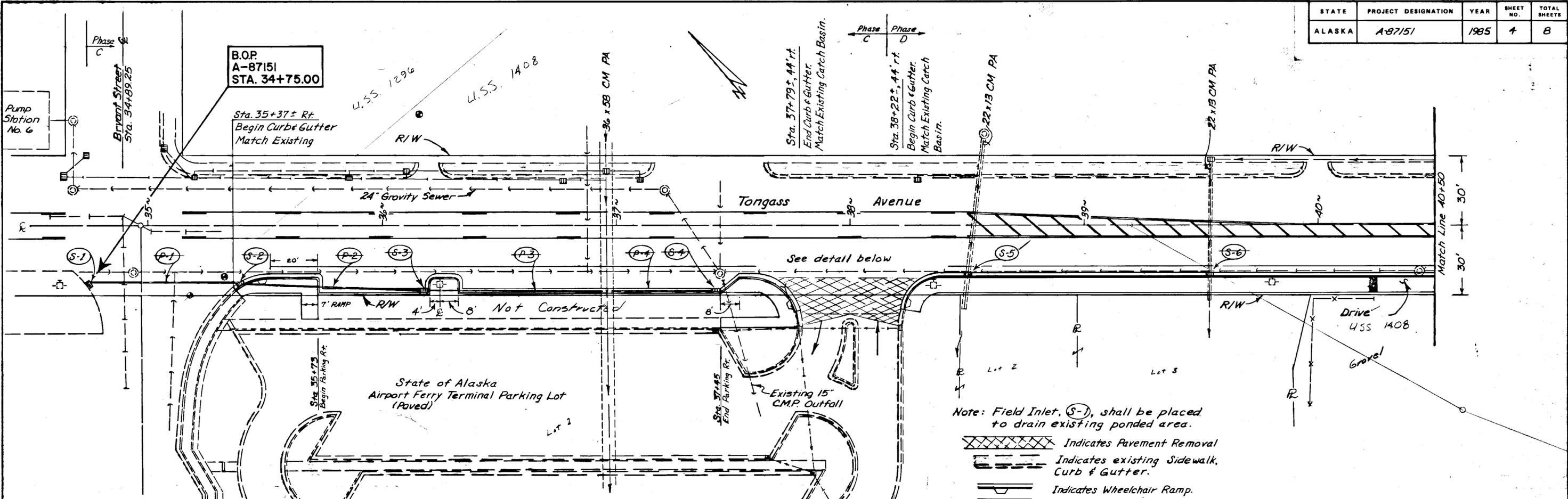


DROP INLET & BRANCH CONNECTION DETAILS

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	A-87151	1985	4	8

DATE	
BY	
SURVEYED	
NOTE BOOK	
ALIGNED CHECKED	
RT. OF WAY CHECKED	
PLAN	

DATE	
BY	
SURVEYED	
NOTE BOOK	
GRADES CHECKED	
B.M. NOTED	
STRUCTURE NOTATIONS CHECKED	
PROFILE	

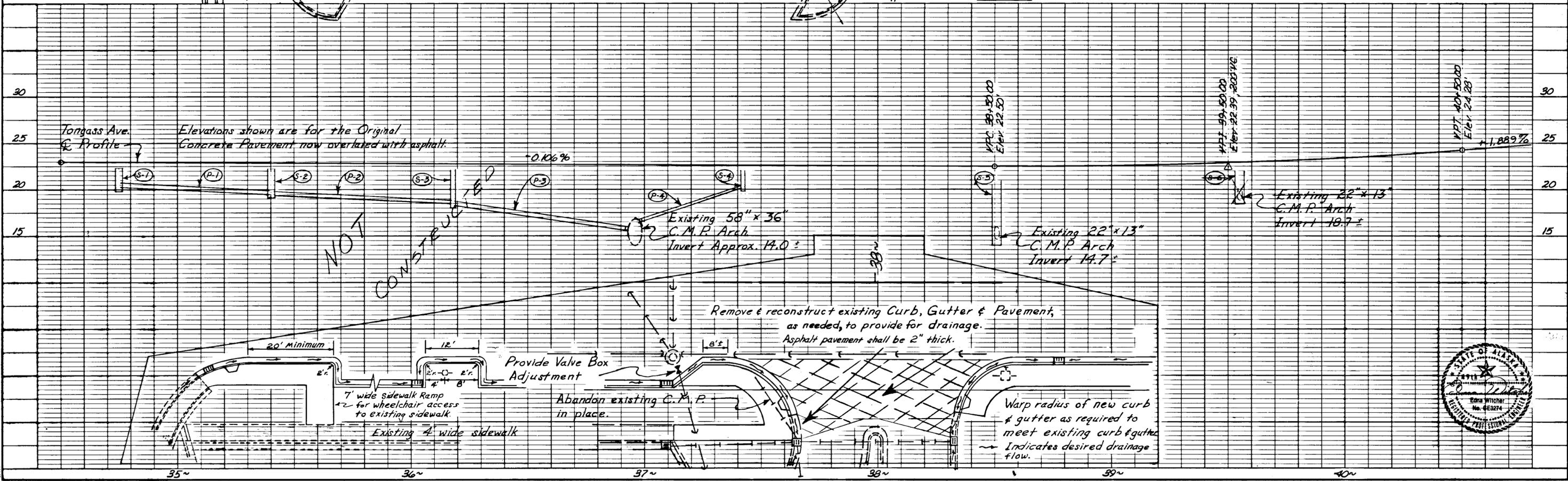


Note: Field Inlet (S-1), shall be placed to drain existing ponded area.

Indicates Pavement Removal

Indicates existing Sidewalk, Curb & Gutter.

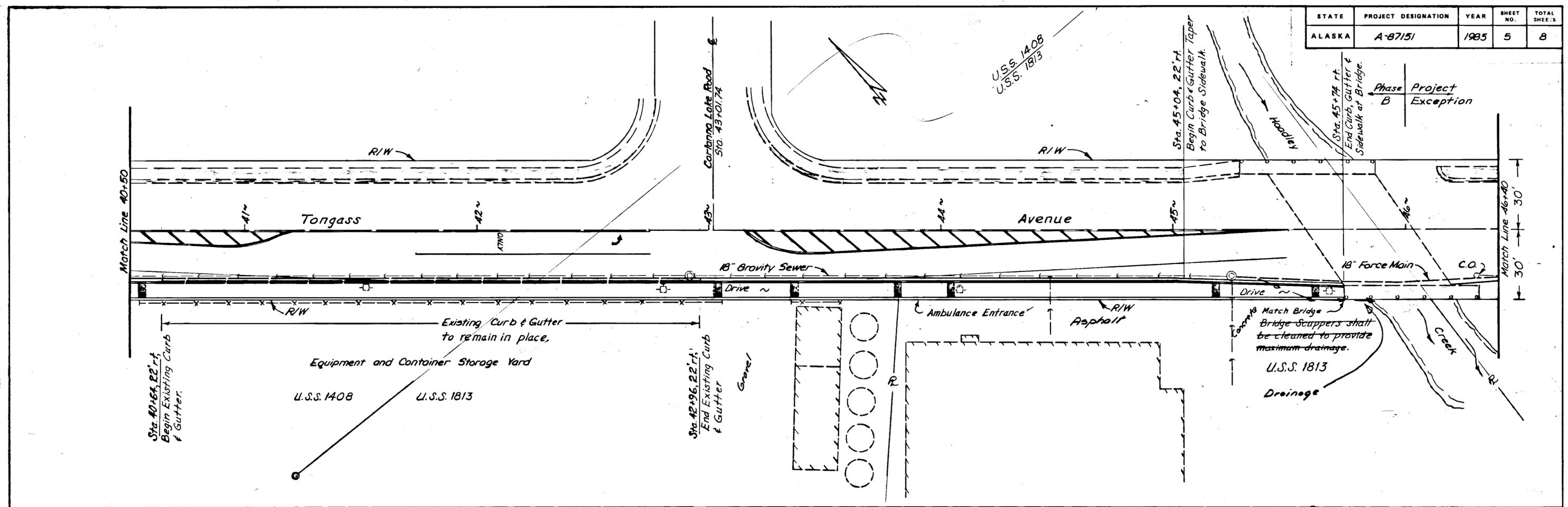
Indicates Wheelchair Ramp.



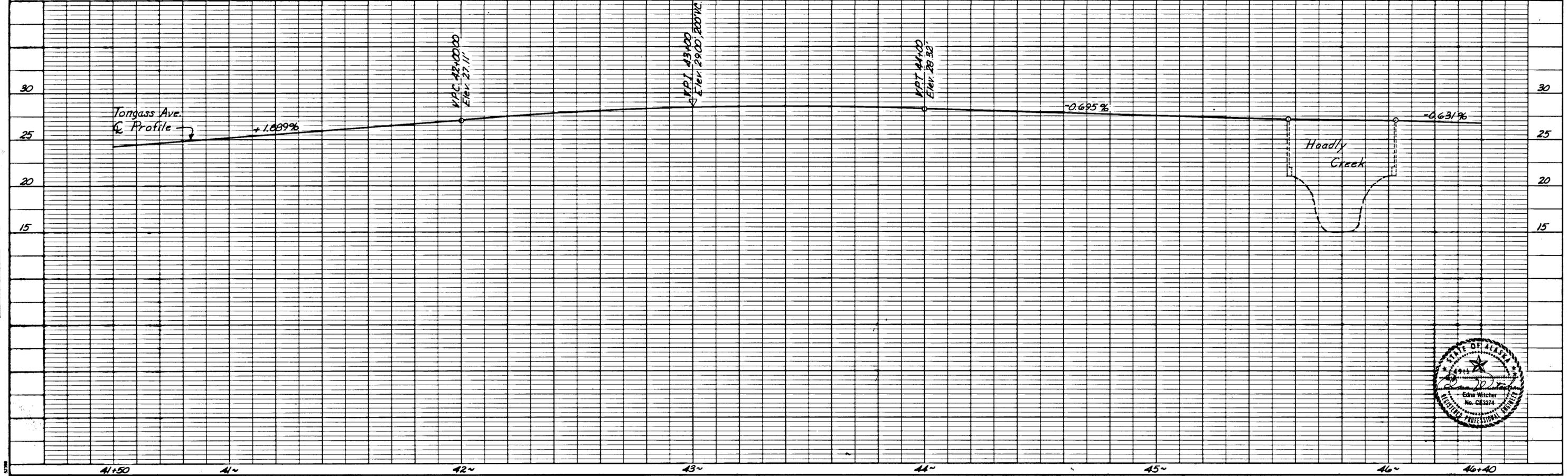
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	A-87151	1985	5	8

Phase Project  
B Exception

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



PROFILE  
SURVEYED, PLOTTED, CHECKED, BY DATE  
NOTE BOOK NO. OF WAY CHECKED  
NO. OF WAY CHECKED

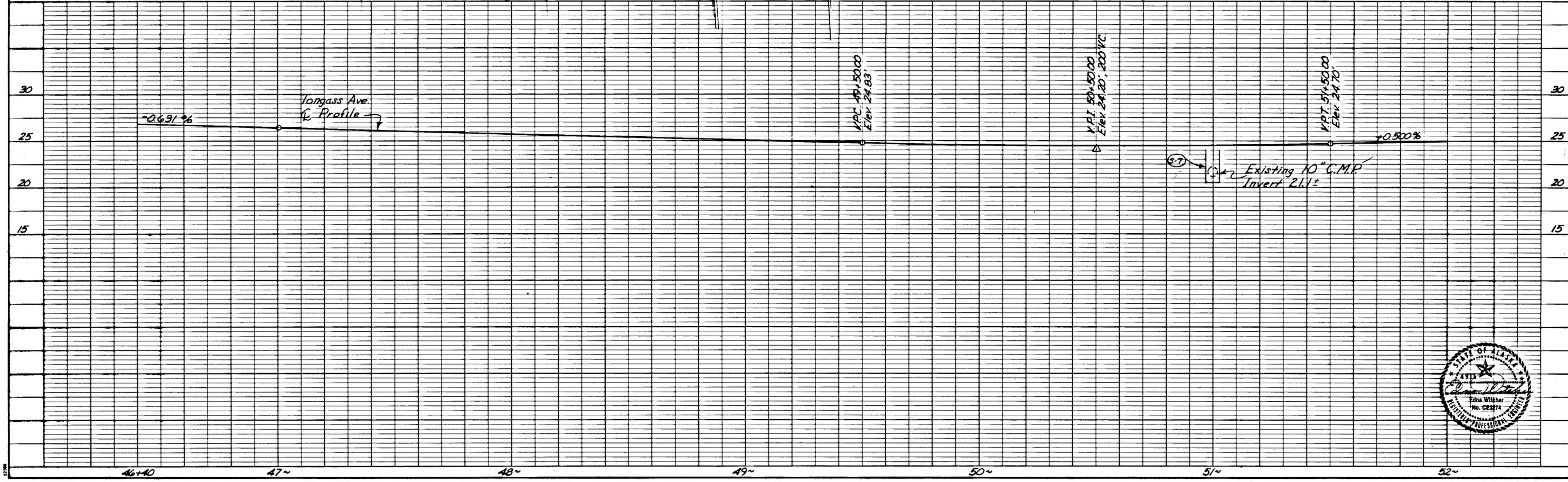
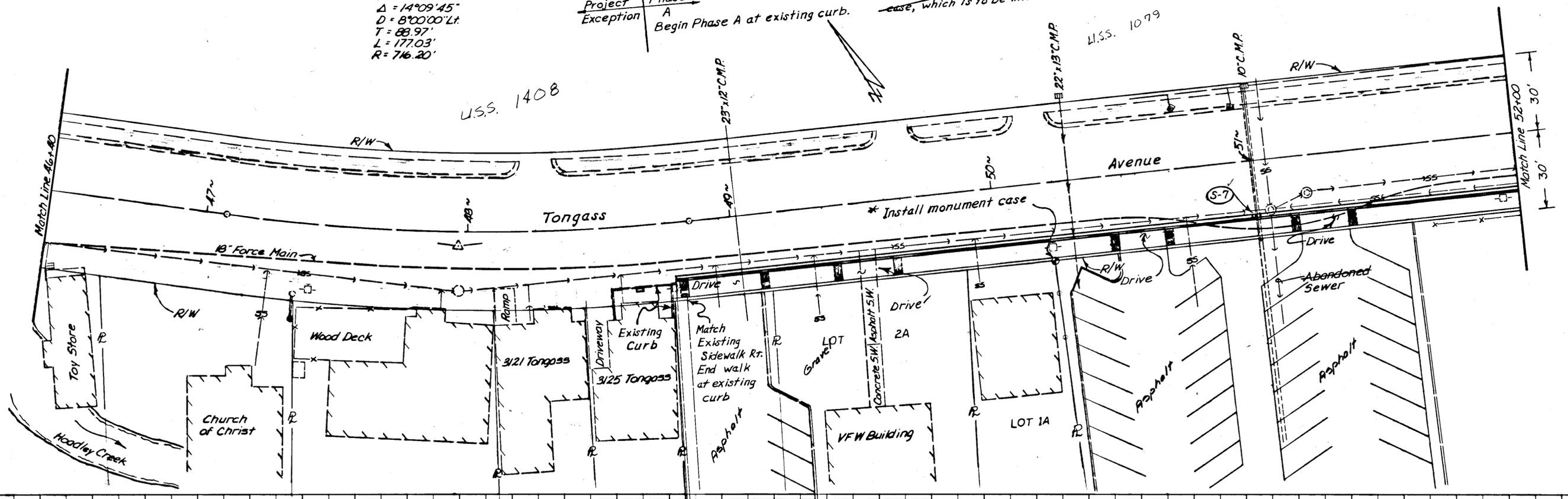


STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	A-87151	1985	6	8

P.I. 47+96.69  
 $\Delta = 14^{\circ}09'45''$   
 $D = 8^{\circ}00'00''$   
 $T = 88.97'$   
 $L = 177.03'$   
 $R = 716.20'$

Project Exception  
 Basic Bid Phase A  
 Begin Phase A at existing curb.

\* The existing monument will require adjustment incidental to other items of work if it is more than 9 inches below the top of the monument case, which is to be installed flush with ground level.



PLAN  
 SURVEYED BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 PLANS CHECKED BY: \_\_\_\_\_  
 NOTE BOOK NO. \_\_\_\_\_  
 NO. OF WAY CHECKED \_\_\_\_\_

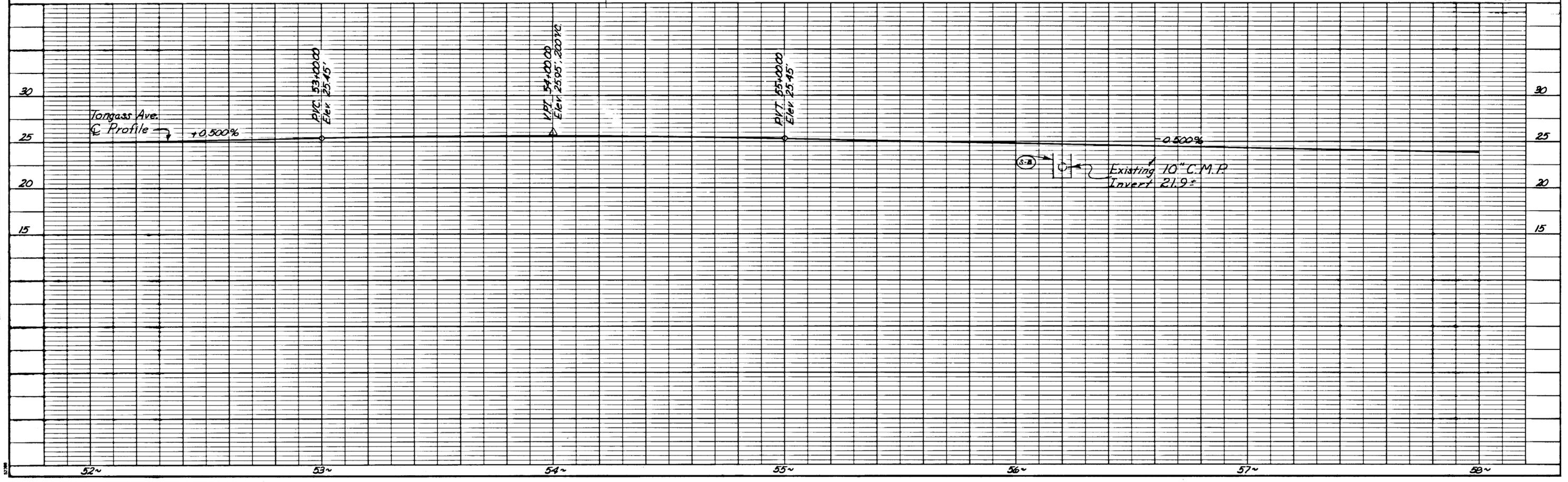
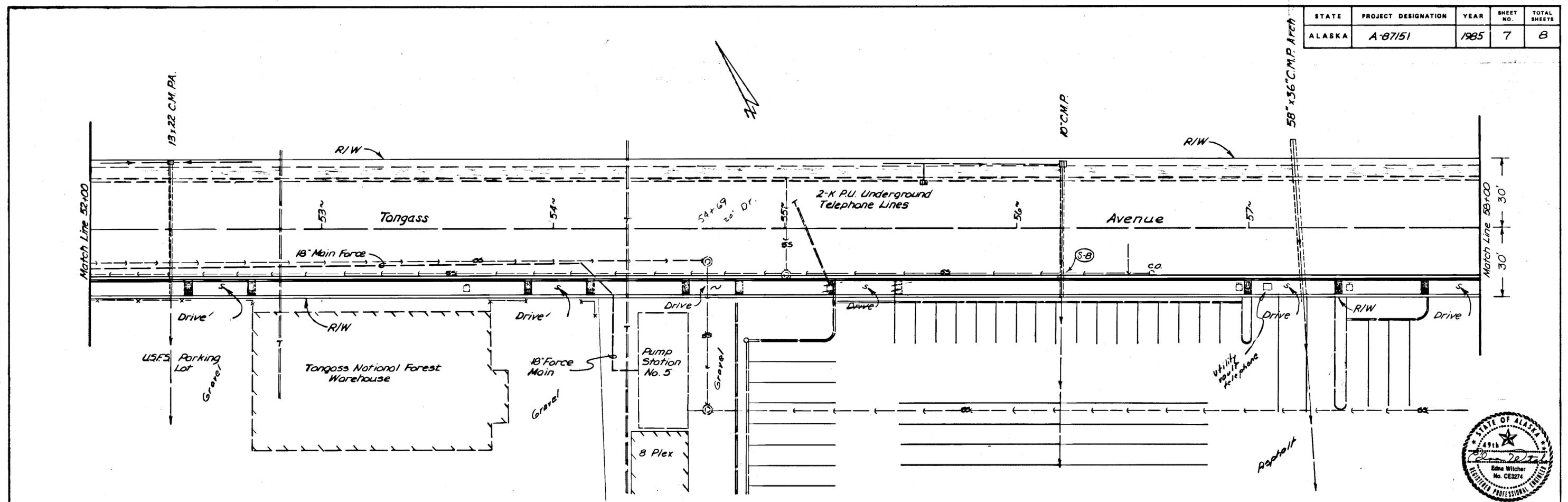
PROFILE  
 SURVEYED BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 PLANS CHECKED BY: \_\_\_\_\_  
 NOTE BOOK NO. \_\_\_\_\_  
 NO. OF WAY CHECKED \_\_\_\_\_  
 STRUCTURE NOTATIONS CHECKED \_\_\_\_\_



STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	A-87151	1985	7	8

PLAN	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NOTED	
	BY	
	NOTED	
	BY	
	NOTED	

PROFILE	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NOTED	
	BY	
	NOTED	
	BY	
	NOTED	



STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	A-87151	1985	8	8

PLAN	SURVEYED	BY	DATE
	PLANS CHECKED		
	NOTE BOOK		
	BY		
	DATE		

PROFILE	SURVEYED	BY	DATE
	PROFILES CHECKED		
	NOTE BOOK		
	BY		
	DATE		



P.I.  
 $\Delta = 3^{\circ}37'10''$   
 $D = 4'00''00''$  R.I.  
 $T = 45.26'$   
 $L = 90.49'$   
 $R = 1432.40'$

