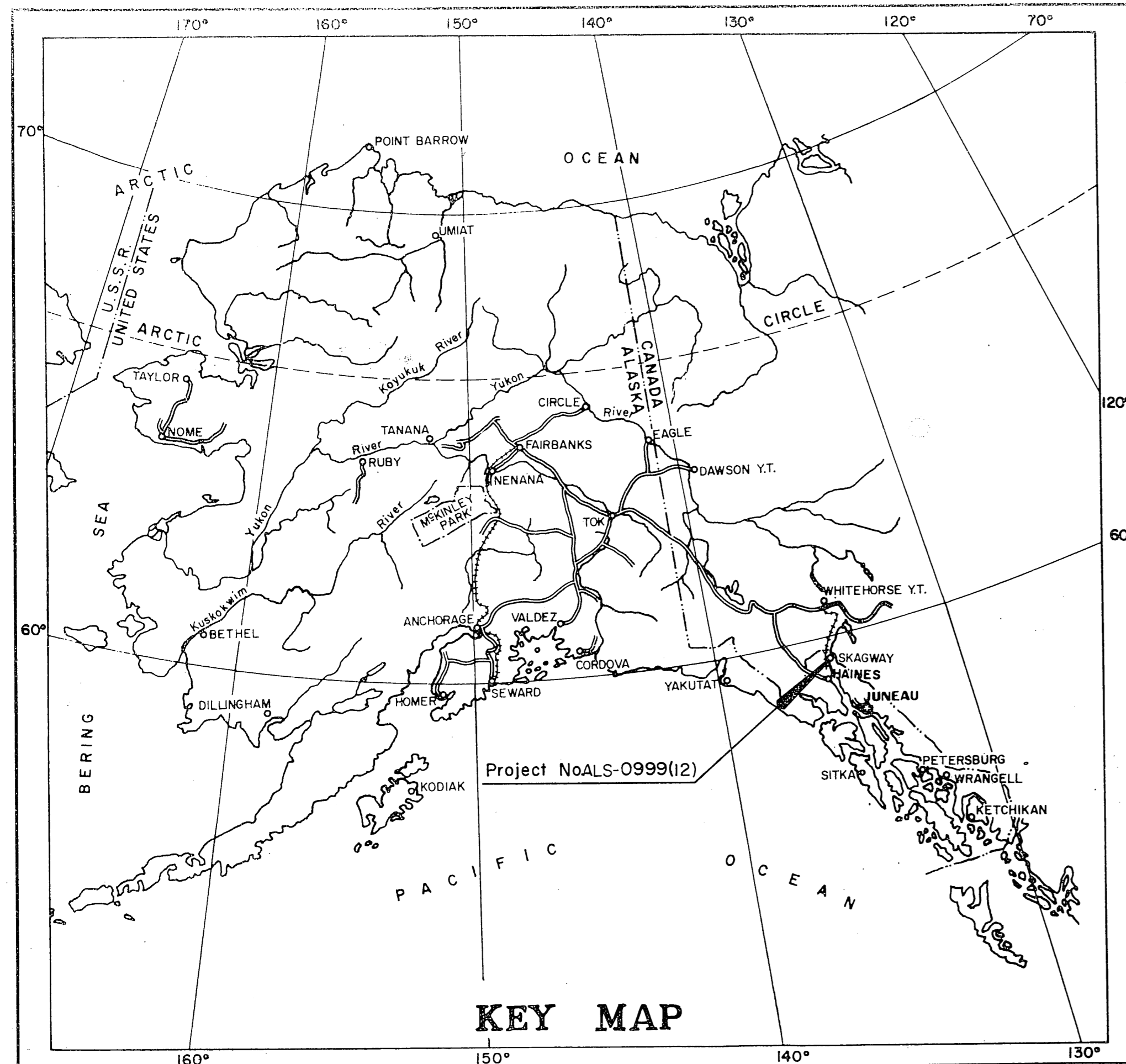


STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	ALS-0999(12)	1974	1	48



**STATE OF ALASKA  
DEPARTMENT OF HIGHWAYS**

**PLAN AND PROFILE  
PROPOSED HIGHWAY PROJECT  
ALS-0999(12)  
SKAGWAY TO BORDER  
GRADING, DRAINAGE  
& BRIDGE**

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	TYPICAL SECTION
3	ESTIMATE OF QUANTITIES
4-5	SUMMARY TABLES
6-25	PLAN & PROFILE SHEETS
26-29	RAMP TYPICAL SECTION & PLAN AND PROFILE SHEETS
30	GABION DETAILS
31-32	MISCELLANEOUS DETAILS
33-34	DRAINAGE DETAILS
35	SIGNING SCHEDULE & DETAILS
36-47	BRIDGE PLANS & ENCLOSURE DETAILS

The following Standard Drawings apply to this project:  
A-1, C-00.01, C-11.01, D-02.01, D-09.00, G-04.01,  
G-10.01, G-30.01, I-80.00, M-16.01, S-00.00,  
S-05.00, S-20.00, S-30.00, S-34.00, G-04.00, G-30.00

PROJECT SUMMARY

Width of Subgrade	= 28 Feet	9.425 Miles
Length of Grading	= 49,767.82 Feet	9.424 Miles
Length of Bridge	= 300 Feet	.057 Miles
Length of Project	= 50,060.82 Feet	9.481 Miles
	50,063.45	9.482

DESIGN DESIGNATION

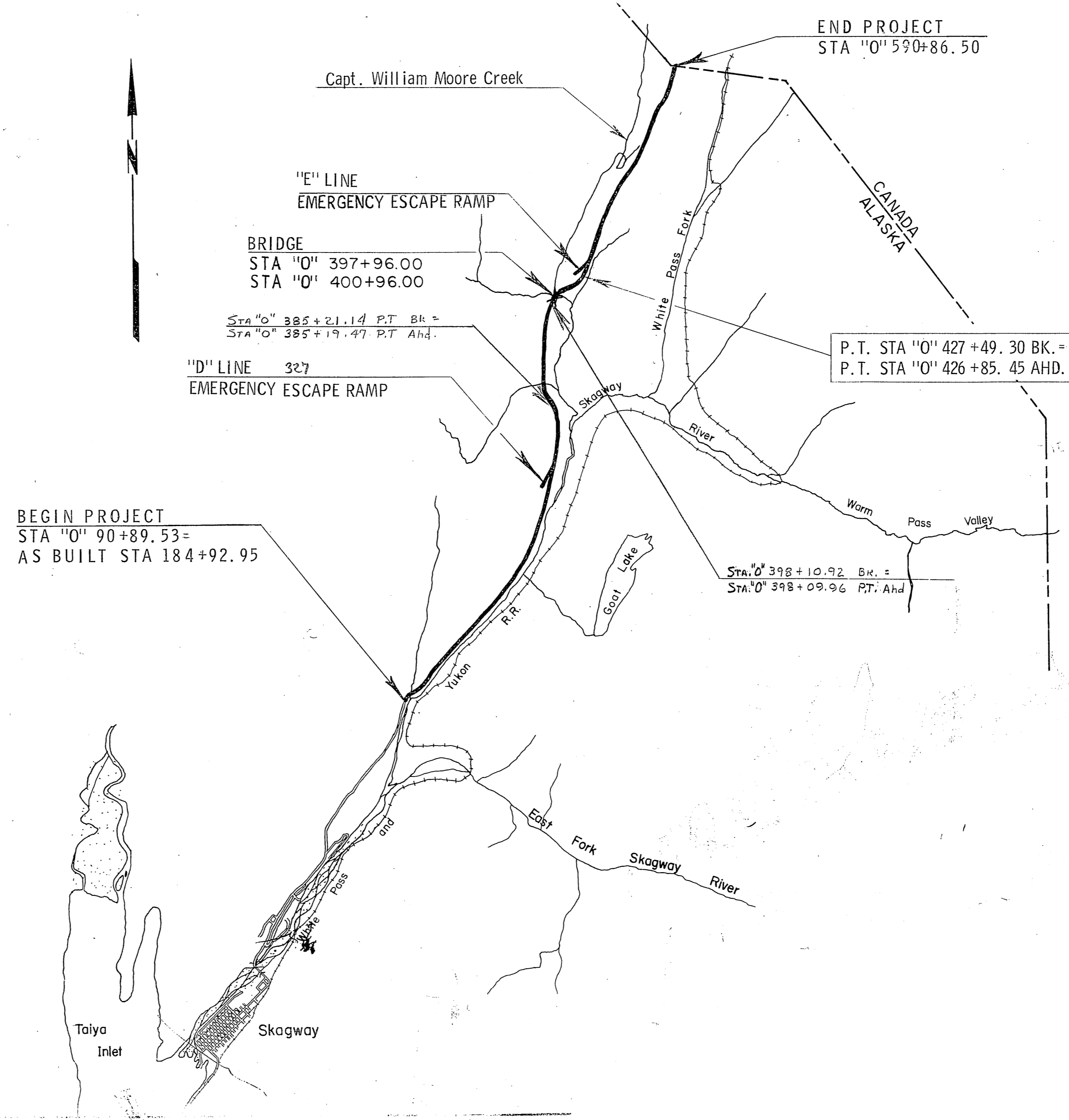
- A D T (1972) = 70
- A D T (1995) = 300
- D H V (25%) = 75
- D = 30-70
- T = 15%

AS BUILT PLANS

CONTRACTOR: CENTRAL CONSTRUCTION Co.  
2112 THIRD AVENUE  
SEATTLE, WASHINGTON 98121

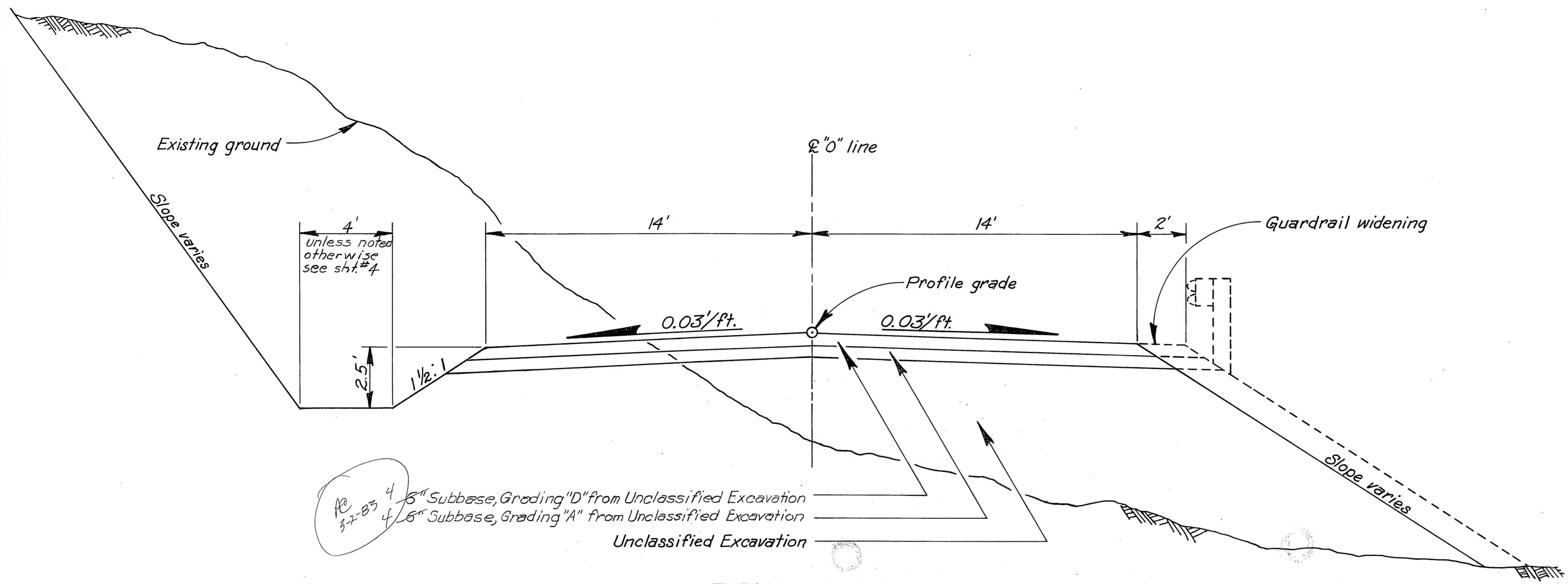
DATE BEGIN: NOVEMBER 11, 1974  
DATE END: OCTOBER 10, 1978

PROJECT ENGINEER: VERN V. HIRSCH P.E.  
DEPARTMENT OF TRANSPORTATION  
& PUBLIC FACILITIES  
SOUTHEASTERN REGION  
JUNEAU, ALASKA 99811



STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	ALS-0999 (12)	1974	2	48

**TYPICAL SECTION**

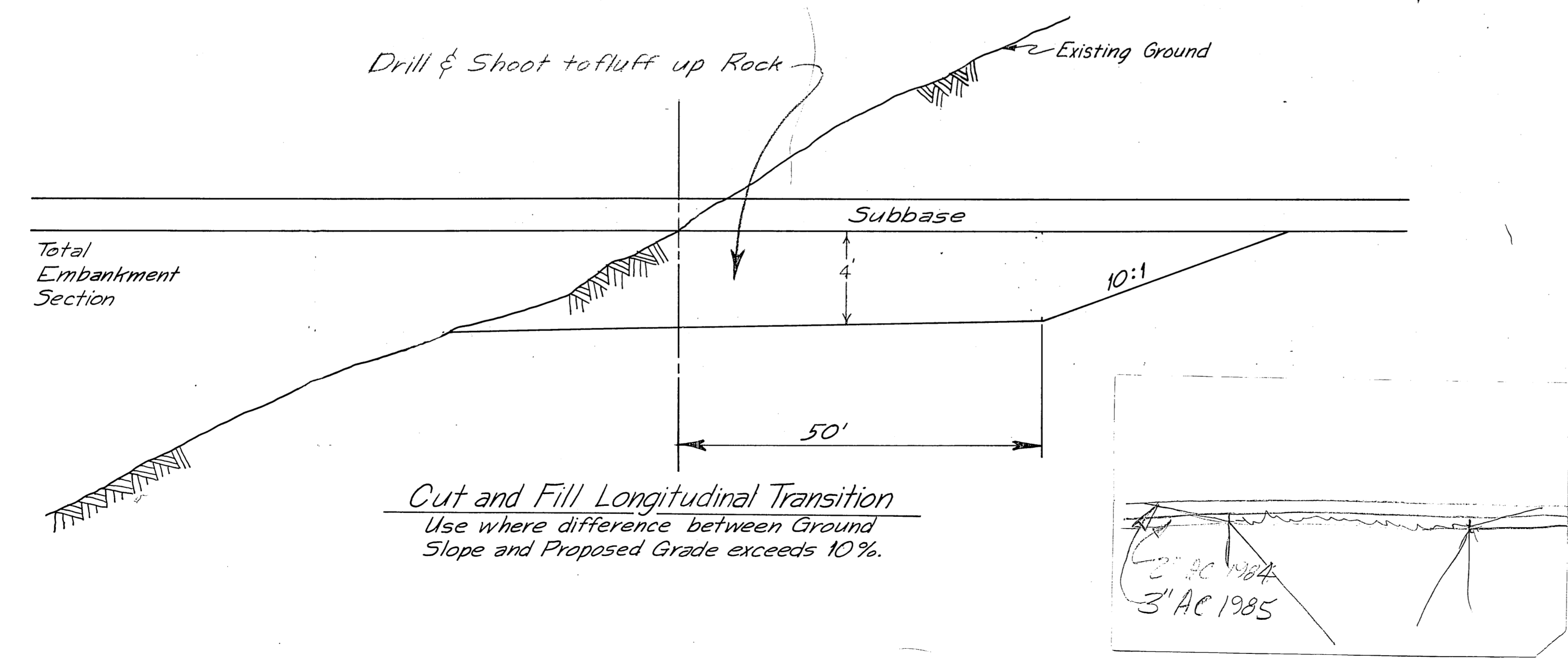


**General Notes:**

1. Grades and alignment on these plans are subject to minor revisions.
2. Culvert lengths and locations are approximate only and are subject to minor revisions.
3. Cut and fill slopes shown on the plans are subject to change by the engineer upon review of actual field conditions.
4. Guardrail used for turnouts will not be reflectorized.

**TYPICAL SECTION**

B.O.P. STA."0" 90+89.53 to E.O.P. STA."0" 590+86.50





### SUMMARY TABLES

## "O" LINE SLOPE SUMMARY TABLE

CUT SLOPES						FILL SLOPES					
Station	Lt.	Rt.	Station	Lt.	Rt.	Station	Lt.	Rt.	Station	Lt.	Rt.
90+89.53	1/2:1	1/2:1	207+64	1/2:1	1/2:1	353+35	1/2:1	1/2:1	90+89.53	1 1/2:1	1 1/2:1
95+00		50:1	208+47		50:1	367+80		50:1	104+20		1 1/2:1
100+15		1/2:1	211+40		1/2:1	368+41		1/2:1	104+32		1 1/2:1
102+00	1/2:1		229+18	1/2:1	50:1	384+40	1/2:1	1/2:1	110+75		1 1/2:1
102+29		50:1	233+00	1/2:1	1/2:1	386+50	1/2:1	1/2:1	113+00		1 1/2:1
104+20		1/2:1	241+00	1/2:1	1/2:1	388+75		1/2:1	117+39		1 1/2:1
105+32		50:1	242+83	1/2:1	1/2:1	389+50		1/2:1	123+00		1 1/2:1
106+13	1/2:1	1/2:1	246+91	1/2:1	1/2:1	390+40		1/2:1	145+80		1 1/2:1
107+00			249+00	1/2:1	1/2:1	391+80	1/2:1	1/2:1	146+40		1 1/2:1
109+00	1/2:1	50:1	255+00	1/2:1	1/2:1	394+00	1/2:1	1/2:1	175+00		1 1/2:1
110+75		1/2:1	260+00	1/2:1	1/2:1	404+00	50:1		176+50		1 1/2:1
113+00		50:1	261+00	1/2:1	1/2:1	407+00	1/2:1	1/2:1	186+00		1 1/2:1
114+64	1/2:1	1/2:1	265+50	1/2:1	50:1	408+00		50:1	189+50		1 1/2:1
115+00	1/2:1		268+03	1/2:1	1/2:1	408+97	1/2:1	1/2:1	198+00		1 1/2:1
117+00	1/2:1		272+74		50:1	410+81	1/2:1	1/2:1	201+50		1 1/2:1
119+00	1/2:1		275+94	1/2:1	1/2:1	416+60	1/2:1	1/2:1	207+64		1 1/2:1
122+00	1/2:1		278+00	1/2:1	50:1	419+83		50:1	208+47		1 1/2:1
125+00	1/2:1	1/2:1	281+16		1/2:1	428+00		1/2:1	212+03		1 1/2:1
125+60	1/2:1	50:1	285+60		50:1	450+22		50:1	219+75		1 1/2:1
128+00	1/2:1	1/2:1	287+20		1/2:1	454+70	1/2:1	1/2:1	233+14		1 1/2:1
134+16		50:1	291+85	1/2:1	50:1	456+25	50:1		242+83		1 1/2:1
138+13	1/2:1	1/2:1	293+00	1/2:1	50:1	458+00	1/2:1	1/2:1	260+00		1 1/2:1
146+00	1/2:1		300+00	1/2:1	1/2:1	459+00		1/2:1	263+33		1 1/2:1
154+00	1/2:1		301+50	1/2:1	1/2:1	473+53	1/2:1	50:1	268+03		1 1/2:1
159+00	1/2:1		310+00	1/2:1	50:1	477+00	1/2:1	1/2:1	271+00		1 1/2:1
162+00	1/2:1		324+00	1/2:1	50:1	482+00		50:1	281+16		1 1/2:1
164+00	1/2:1	1/2:1	325+94	1/2:1	1/2:1	487+00	1/2:1	1/2:1	286+60		1 1/2:1
164+96		50:1	327+00	1/2:1	1/2:1	488+00	1/2:1	1/2:1	289+00		1 1/2:1
166+09	1/2:1	1/2:1	329+00	1/2:1	1/2:1	491+80	1/2:1	1/2:1	291+85		1 1/2:1
168+00	1/2:1		330+00	1/2:1	1/2:1	509+10	50:1		306+00		1 1/2:1
170+00	1/2:1	1/2:1	332+00	1/2:1	50:1	511+12	1/2:1	1/2:1	312+67		1 1/2:1
171+71	1/2:1	50:1	333+72	1/2:1	1/2:1	515+40	50:1	1/2:1	365+00		1 1/2:1
173+00	1/2:1	1/2:1	335+00	1/2:1	1/2:1	516+00	50:1	1/2:1	367+80		1 1/2:1
177+00	1/2:1		338+00	1/2:1	1/2:1	516+80	1/2:1	1/2:1	392+34		1 1/2:1
181+00	1/2:1	1/2:1	341+00	1/2:1	1/2:1	518+00	1/2:1	1/2:1	393+46		1 1/2:1
184+00	1/2:1	50:1	348+07		50:1	519+23	50:1		478+00		1 1/2:1
185+29		1/2:1	349+64		1/2:1	523+63	1/2:1	1/2:1	480+15		1 1/2:1
202+90		50:1	351+85		1/2:1	525+00	1/2:1	1/2:1	493+00		1 1/2:1
207+64			353+35		1/2:1	526+27		1/2:1	496+20		1 1/2:1

## GUARDRAIL SUMMARY

From Station	To Station	Lt./Rt.	Remarks
"O" 91+00	"O" 94+03.25	Right	Turnout Guardrail, See Detail Sheet #32
"O" 94+00	"O" 98+00	Right	
"O" 98+00	"O" 125+69.93	Right	
"O" 107+05.00	"O" 108+25	Left	
"O" 125+69.93	"O" 128+04.13	Right	Turnout Guardrail, See Detail Sheet #32
"O" 128+04.13	"O" 131+00	Right	
"O" 128+50	"O" 130+52.79	Left	
"O" 133+50	"O" 134+26	Right	
"O" 142+50	"O" 156+54.76	Right	
"O" 161+50	"O" 203+21.83	Right	
"O" 161+50	"O" 163+50	Left	
"O" 203+21.83	"O" 207+60	Right	Turnout Guardrail, See Detail Sheet #32
"O" 207+60	"O" 243+07.07	Right	
"O" 236+00	"O" 241+41.95	Left	
"O" 243+07.07	"O" 247+00	Right	Turnout Guardrail, See Detail Sheet #32
"O" 247+00	"O" 277+96.71	Right	
"O" 277+96.71	"O" 281+00	Right	Turnout Guardrail, See Detail Sheet #32
"O" 281+00	"O" 292+27.77	Right	
"O" 292+27.77	"O" 298+00	Right	Park Turnout, See Detail Sheet #32
"O" 298+00	"O" 373+78.85	Right	
"O" 378+12.71	"O" 398+30.50	Right	Begin Bridge
"O" 393+94.41	"O" 398+30.50	Left	
"O" 400+94.50	"O" 401+44.50	Right	
"O" 400+94.50	"O" 405+12.52	Left	End Bridge
"O" 405+12.52	"O" 407+00	Left	Turnout Guardrail, See Detail Sheet #32
"O" 415+04.60	"O" 419+75	Right	
"O" 416+90	"O" 419+53.22	Left	
"O" 419+75	"O" 422+75	Right	Turnout Guardrail, See Detail Sheet #32
"O" 422+75	"O" 430+13.63	Right	
"O" 433+80	"O" 437+49.45	Right	
"O" 447+48.97	"O" 449+50	Right	
"O" 452+90	"O" 453+63.65	Left	
"O" 460+50	"O" 462+46.92	Left	
"O" 462+00	"O" 469+07.70	Right	
"O" 474+89	"O" 484+10.96	Right	
"O" 487+74.62	"O" 503+80	Left	
"O" 509+65.10	"O" 531+65	Left	
"O" 528+59.87	"O" 531+80	Right	
"O" 534+52	"O" 565+97.27	Left	
"O" 579+50	"O" 584+25	Left	
"O" 588+66.67	"O" 590+80	Left	

## DITCH WIDTH

Station to Station	Width	
	Left	Right
Normal	4'	4'
"O" 102+04.06	"O" 104+96.86	8'
"O" 110+58.37	"O" 113+83.68	12'
"O" 130+15	"O" 133+50	10'
"O" 247+50	"O" 256+00	10'
"O" 301+00	"O" 306+00	10'
"O" 344+98.02	"O" 349+52.29	8'
"O" 381+85.59	"O" 385+21.14	12'
"O" 403+06	"O" 408+00	8'
"O" 421+00.75	"O" 422+95	12'
"O" 423+39	"O" 427+49.30	12'
"O" 434+04.26	"O" 437+35.69	8'
"O" 442+59.20	"O" 444+10	8'
"O" 454+46.71	"O" 455+00	12'
"O" 478+74.31	"O" 481+75.54	8'
"O" 495+50	"O" 499+00	10'
"O" 500+66.20	"O" 503+60.42	8'
"O" 532+68.86	"O" 535+99.13	8'
"O" 585+75	"O" 590+63.56	8'

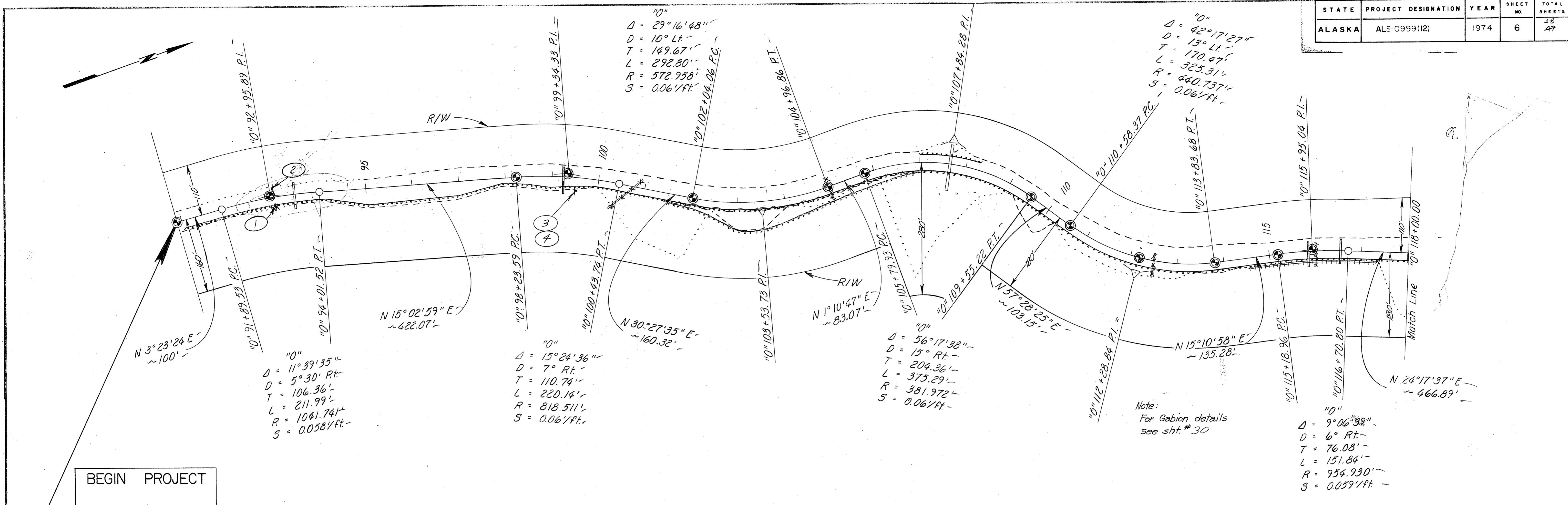
Gen. Recommendation:  
Ditch depth 2'-D below curb  
& 1' below for paving.



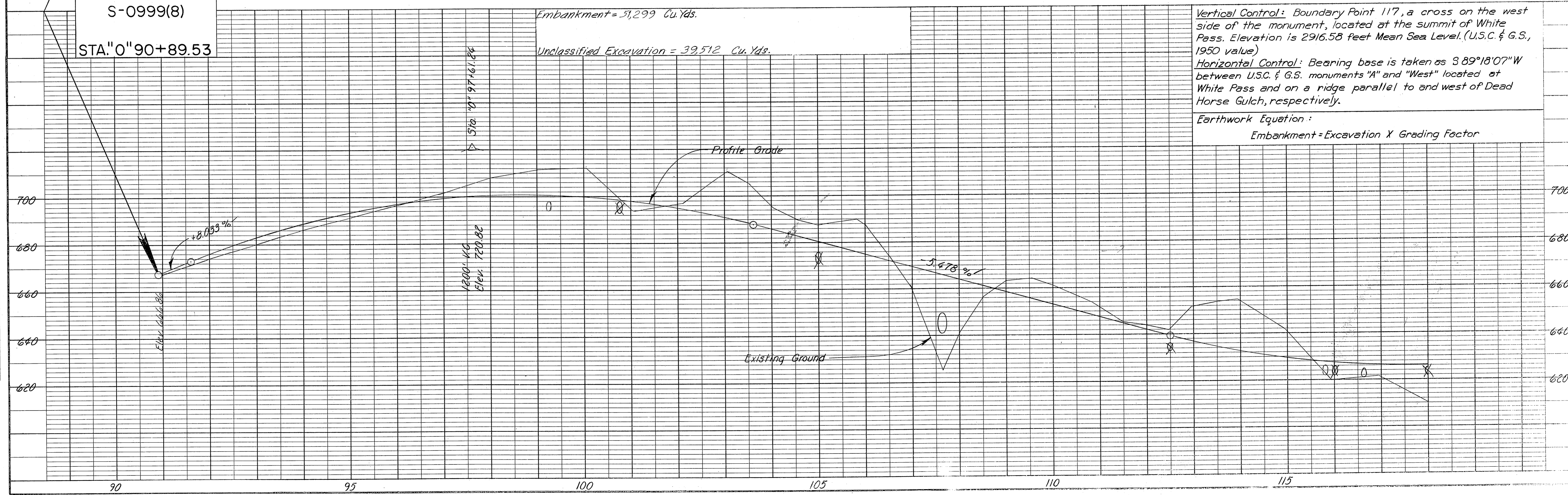
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	ALS-0999(12)	1974	6	47

PLAN	DATE
SURVEYED BY	
ALIGNED CHECKED	
RT. OF WAY CHECKED	
NO.	

PROFILE	DATE
SURVEYED BY	
PLOTTED CHECKED	
BY M.A. NOTED	
STRUCTURE NOTATIONS CHKD.	
NO.	



BEGIN PROJECT  
S-0999(8)  
STA. "0" 90+89.53

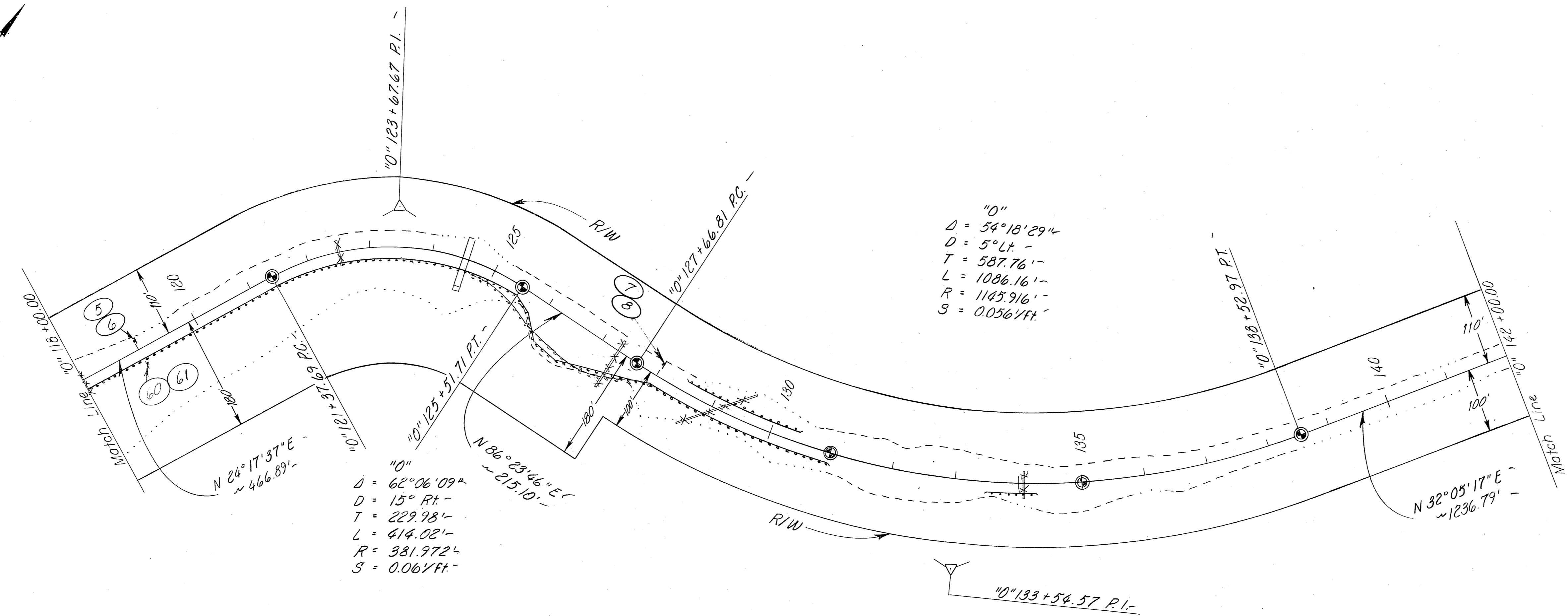
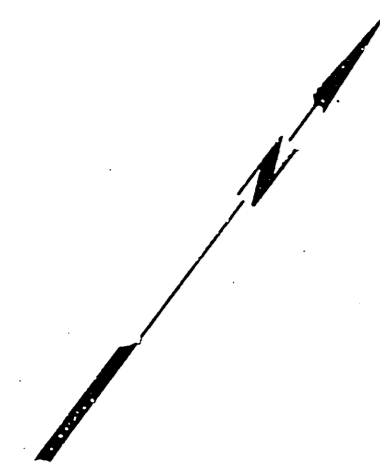


Vertical Control: Boundary Point 117, a cross on the west side of the monument, located at the summit of White Pass. Elevation is 2916.58 feet Mean Sea Level. (U.S.C. & G.S., 1950 value)  
Horizontal Control: Bearing base is taken as S 89° 18' 07" W between U.S.C. & G.S. monuments "A" and "West" located at White Pass and on a ridge parallel to and west of Dead Horse Gulch, respectively.  
Earthwork Equation:  
Embankment = Excavation X Grading Factor

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	ALS-0999 (12)	1974	7	47

PLAN	DATE
SURVEYED	
NOTE BOOK	
ALIGNED CHECKED	
RT. OF WAY CHECKED	
NO.	

PROFILE	DATE
SURVEYED	
NOTE BOOK	
GRADES CHECKED	
S. M. NOTED	
STRUCTURE NOTING CHECKED	
NO.	

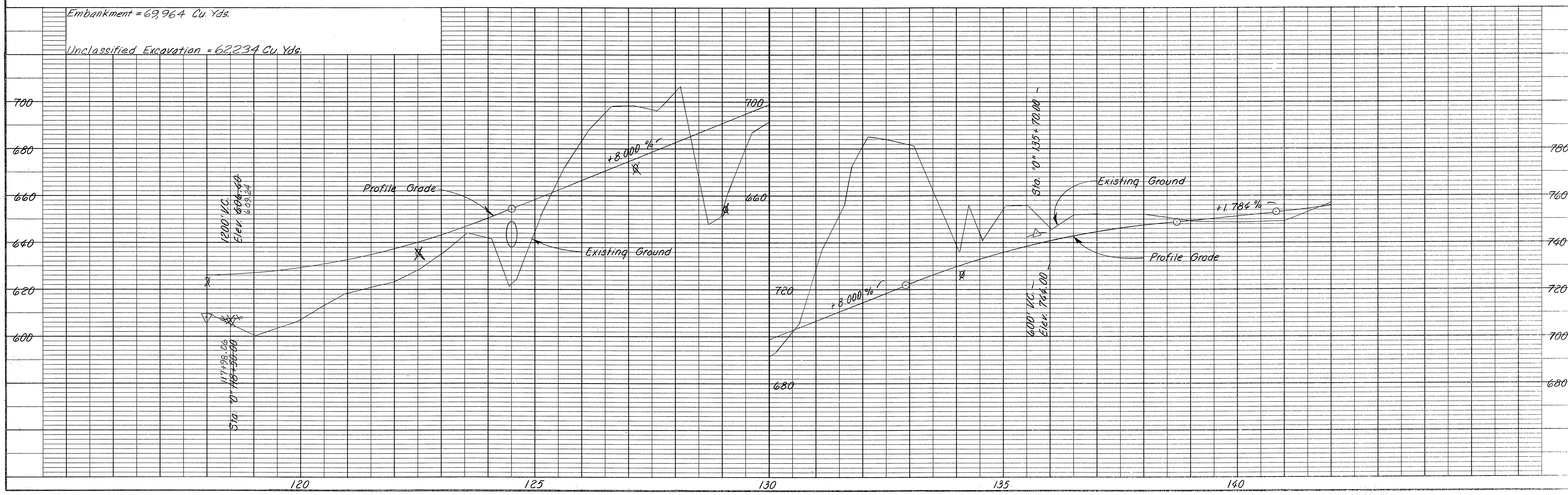


"0"  
 D = 54° 18' 29"  
 D = 5° Lt.  
 T = 587.76'  
 L = 1086.16'  
 R = 1145.916'  
 S = 0.0561/ft.

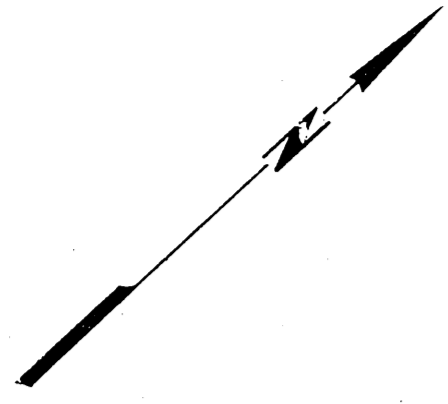
"0"  
 D = 62° 06' 09"  
 D = 15° Rt.  
 T = 229.98'  
 L = 414.02'  
 R = 381.972'  
 S = 0.064/ft.

N 32° 05' 17" E  
 ~ 1236.79'

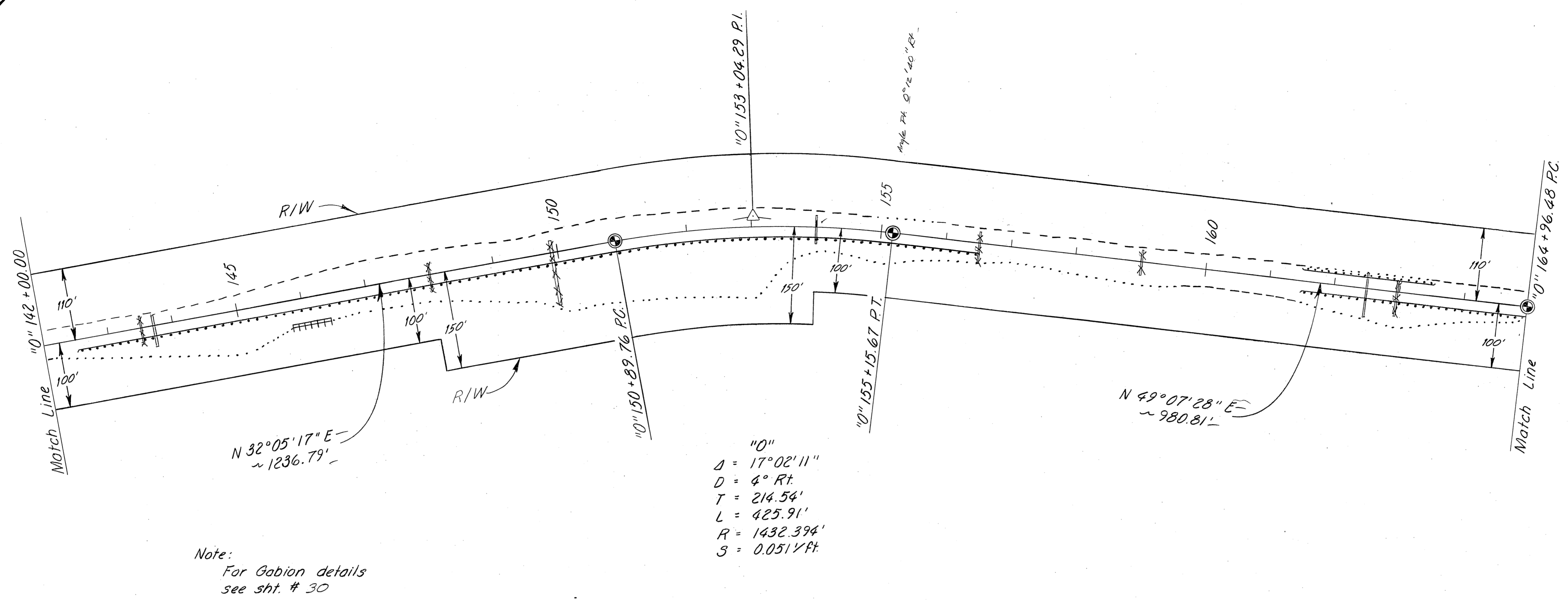
Embankment = 69,964 Cu. Yds.  
 Unclassified Excavation = 62,234 Cu. Yds.



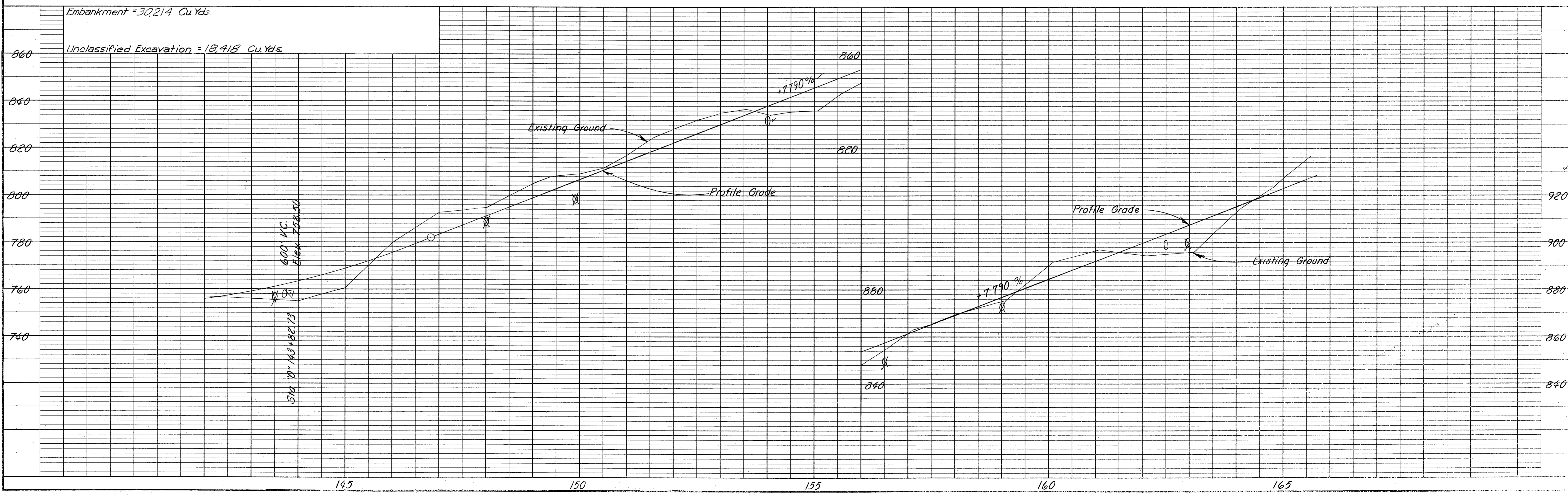
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	ALS-0999(12)	1974	8	18 47



PLAN	DATE
REVIEWED	
PLOTTED	
ALIGNMENT CHECKED	
RT. OF WAY CHECKED	
NOTE BOOK NO.	



PROFILE	DATE
REVIEWED	
PLOTTED	
GRADES CHECKED	
STRUCTURE NOTATIONS CH'KD.	
NOTE BOOK NO.	



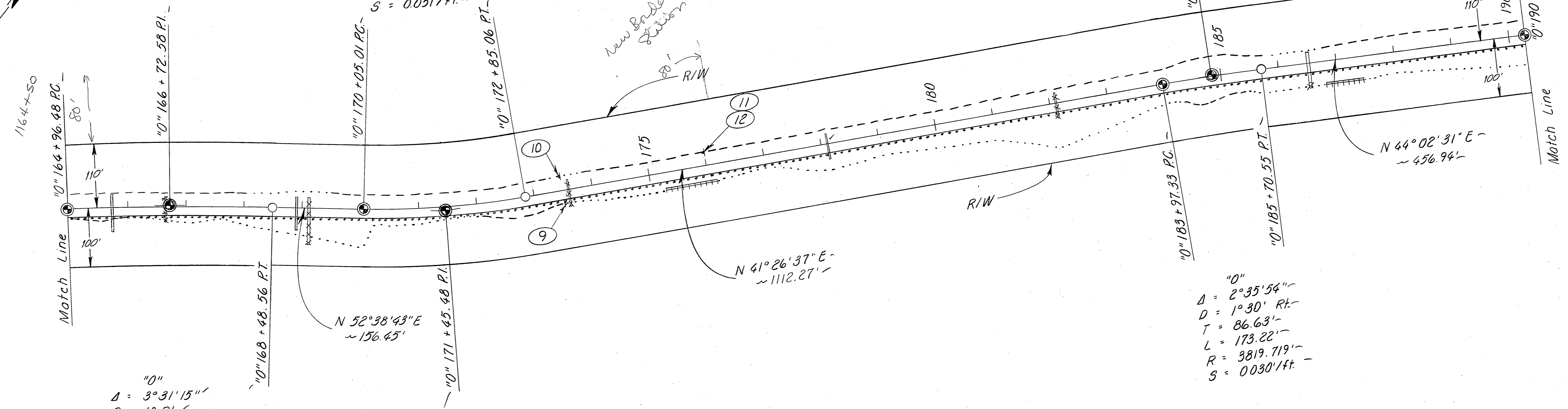
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	ALS-0999 (12)	1974	9	43

Note:  
For Gabion details  
see sht. # 30

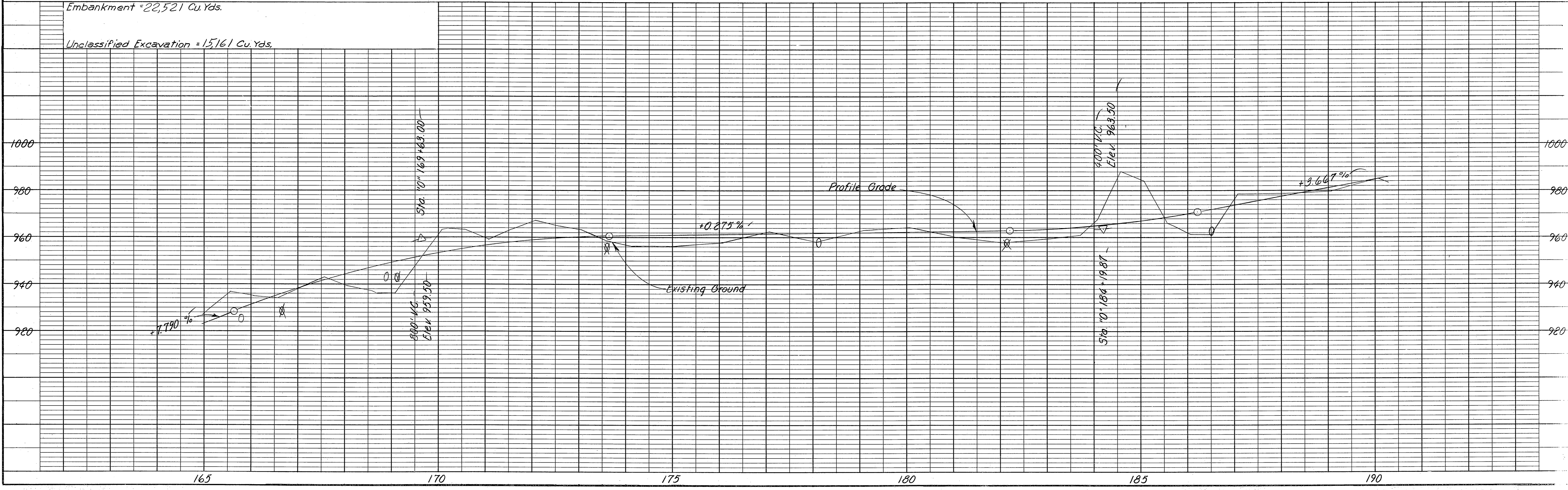
"0"  
 $\Delta = 11^{\circ}12'06''$   
 $D = 4^{\circ} \text{ Lt.}$   
 $T = 140.47'$   
 $L = 280.05'$   
 $R = 1432.394'$   
 $S = 0.0517/\text{ft.}$

"0"  
 $\Delta = 2^{\circ}35'54''$   
 $D = 1^{\circ}30' \text{ Rt.}$   
 $T = 86.63'$   
 $L = 173.22'$   
 $R = 3819.719'$   
 $S = 0.0301/\text{ft.}$

"0"  
 $\Delta = 3^{\circ}31'15''$   
 $D = 1^{\circ} \text{ Rt.}$   
 $T = 176.10'$   
 $L = 352.08'$   
 $R = 5729.578'$   
 $S = 0.031/\text{ft.}$



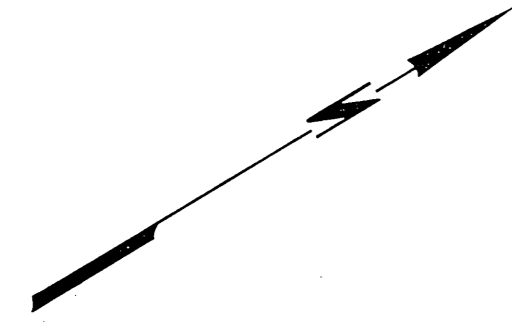
Embankment = 22,521 Cu. Yds.  
 Unclassified Excavation = 15,161 Cu. Yds.



PLAN	BY	DATE
REVISIONS		
NOTED		
ALIGNED		
CHECKED		
RT. OF WAY		
CHECKED		
NO.		

PROFILE	BY	DATE
REVISIONS		
NOTED		
GRADES		
CHECKED		
STRUCTURE		
NOTATIONS		
CHECKED		
NO.		

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	ALS-0999(12)	1974	10	47 48

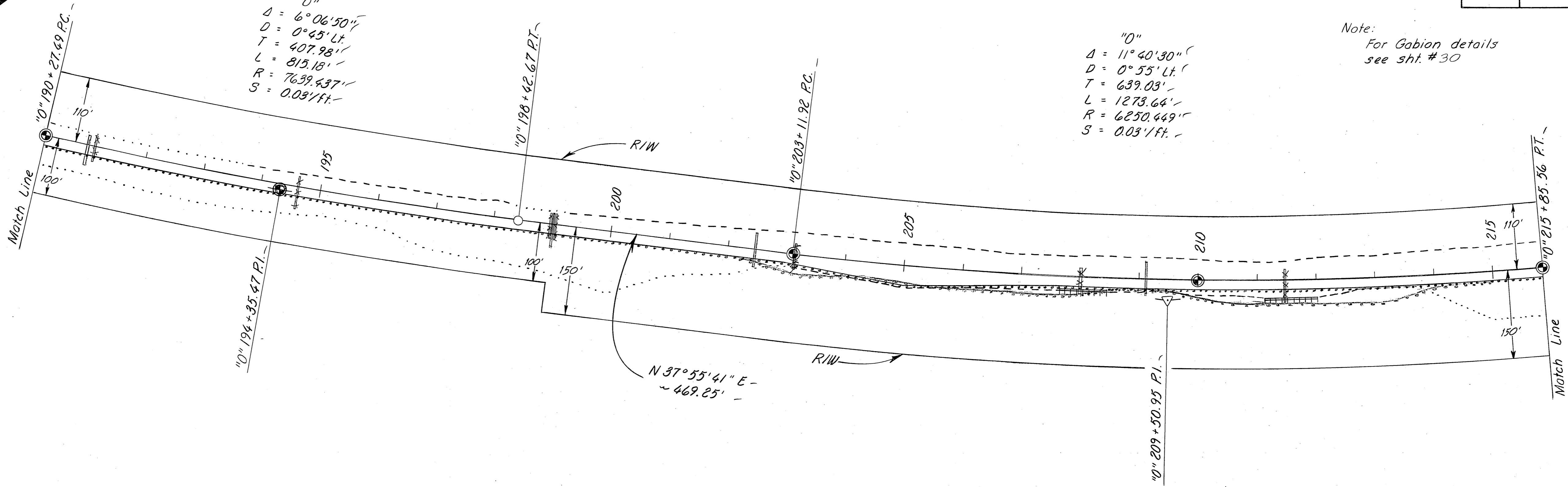


"0"  
 $\Delta = 6^{\circ}06'50''$   
 $D = 0^{\circ}45' Lt.$   
 $T = 407.98'$   
 $L = 813.18'$   
 $R = 7639.437'$   
 $S = 0.03'/ft.$

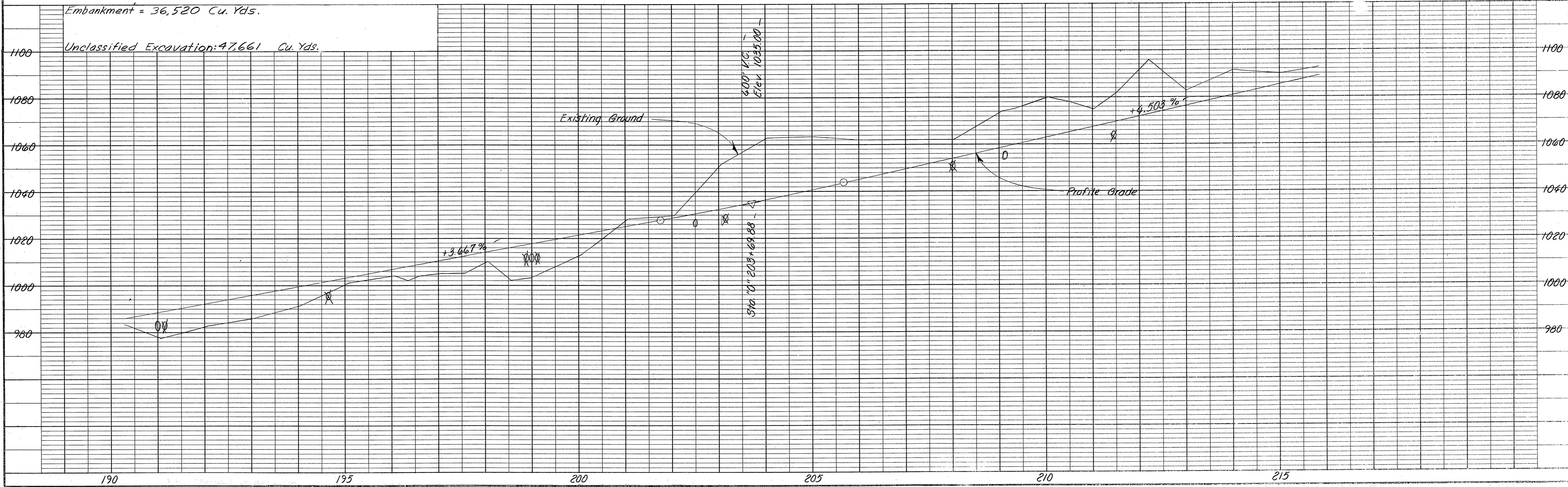
"0"  
 $\Delta = 11^{\circ}40'30''$   
 $D = 0^{\circ}55' Lt.$   
 $T = 639.03'$   
 $L = 1273.66'$   
 $R = 6850.449'$   
 $S = 0.03'/ft.$

Note:  
 For Gabion details  
 see sht. #30

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



PROFILE	DATE
BY	
SURVEYED	
GRADES CHECKED	
ST. MARKS NOTED	
STRUCTURE NOTED	
NOTE BOOK NO.	

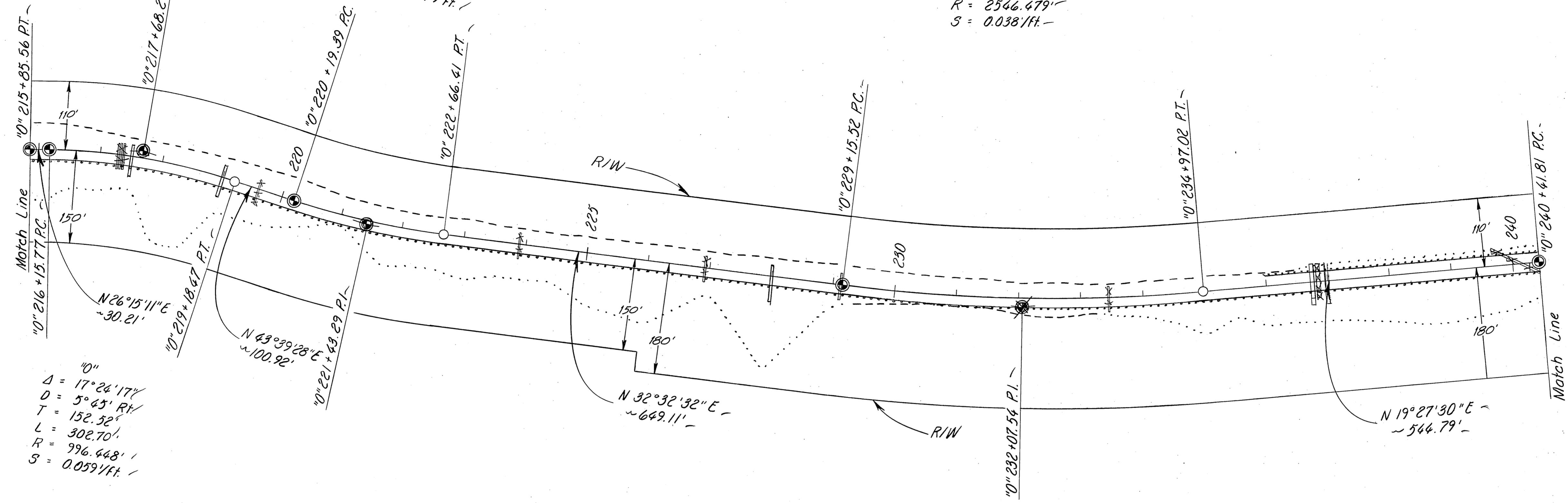


STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	ALS-0999(12)	1974	11	47-48



"0"  
 $\Delta = 11^{\circ}06'56''$   
 $D = 4^{\circ}30''$  Lt.  
 $T = 123.90'$   
 $L = 247.02'$   
 $R = 1273.240'$   
 $S = 0.054/ft.$

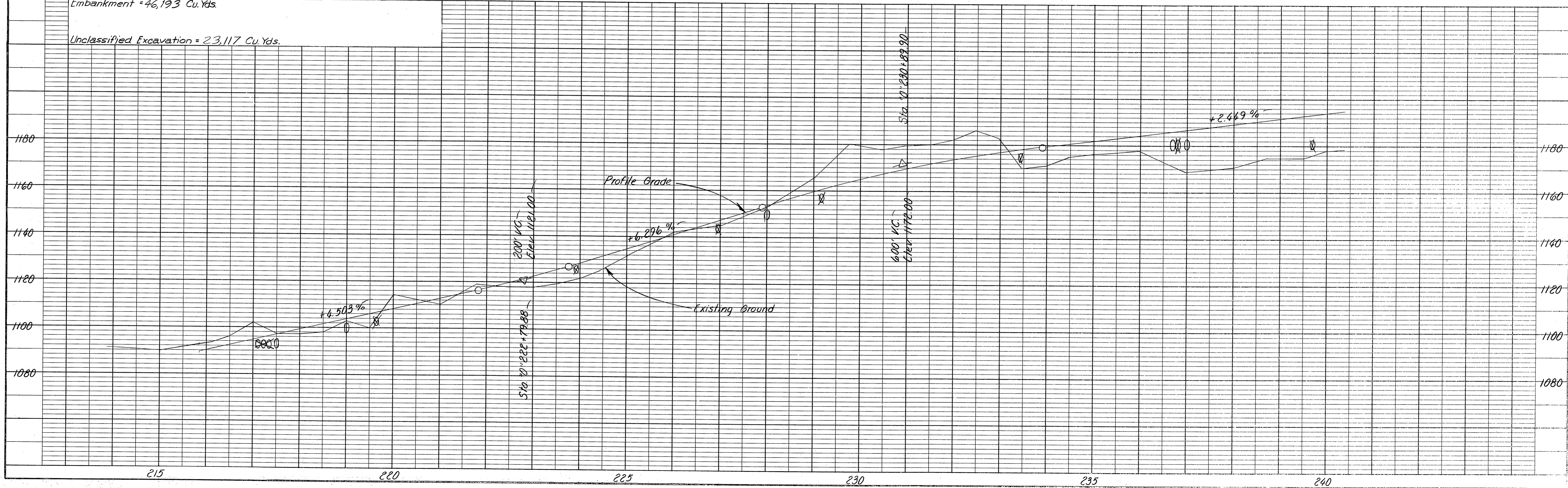
"0"  
 $\Delta = 13^{\circ}05'02''$   
 $D = 2^{\circ}15'$  Lt.  
 $T = 292.02'$   
 $L = 581.50'$   
 $R = 2546.479'$   
 $S = 0.038/ft.$



PLAN	DATE
SURVEYED	
PLOTTED	
ALIGNMENT CHECKED	
NOTE BOOK	
BY	
NO.	

PROFILE	DATE
SURVEYED	
GRADES CHECKED	
NOTE BOOK	
BY	
NO.	

Embankment = 46,193 Cu.Yds.  
 Unclassified Excavation = 23,117 Cu.Yds.

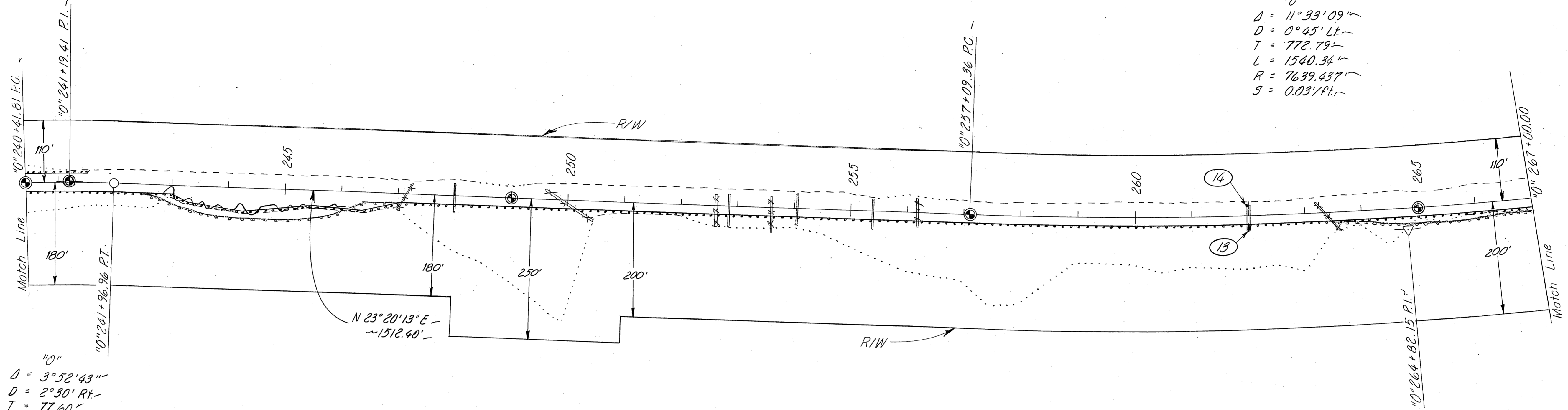


36

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	ALS-0999(12)	1974	12	47 18



10"  
 $D = 11^{\circ}33'09''$   
 $D = 0^{\circ}45' Lt$   
 $T = 772.79'$   
 $L = 1540.34'$   
 $R = 7639.437'$   
 $S = 0.031/ft$

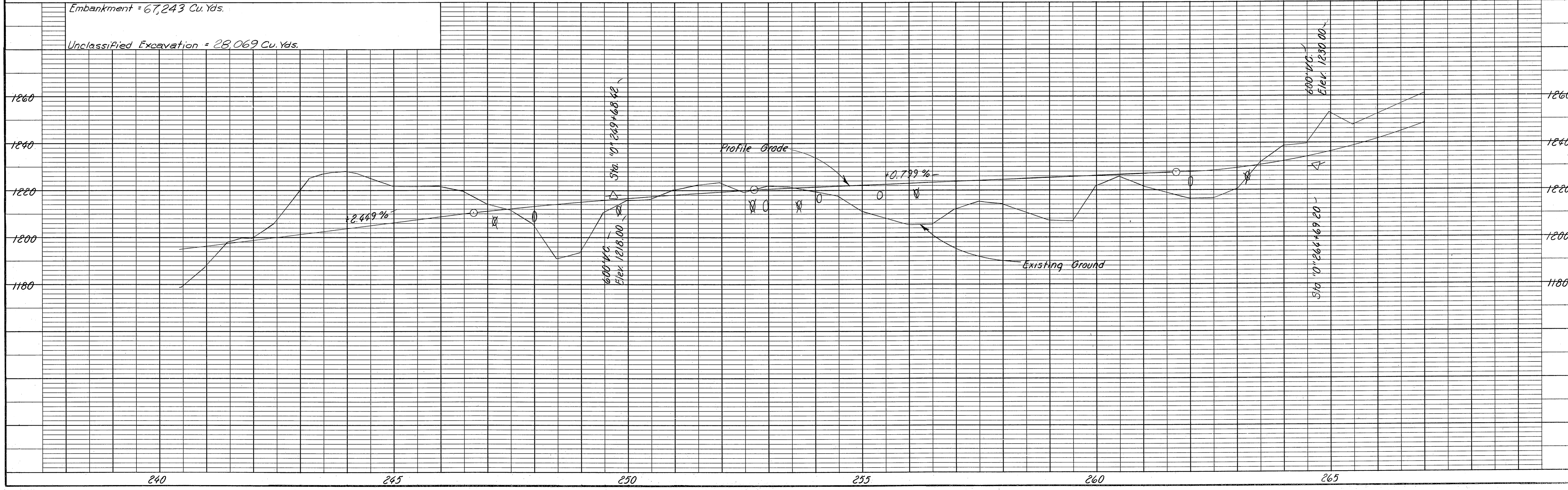


10"  
 $D = 3^{\circ}52'43''$   
 $D = 2^{\circ}30' Rt$   
 $T = 77.60'$   
 $L = 155.15'$   
 $R = 2291.031'$   
 $S = 0.041/ft$

DATE	BY

**PLAN**  
 SURVEYED  
 NOTE BOOK  
 NO.

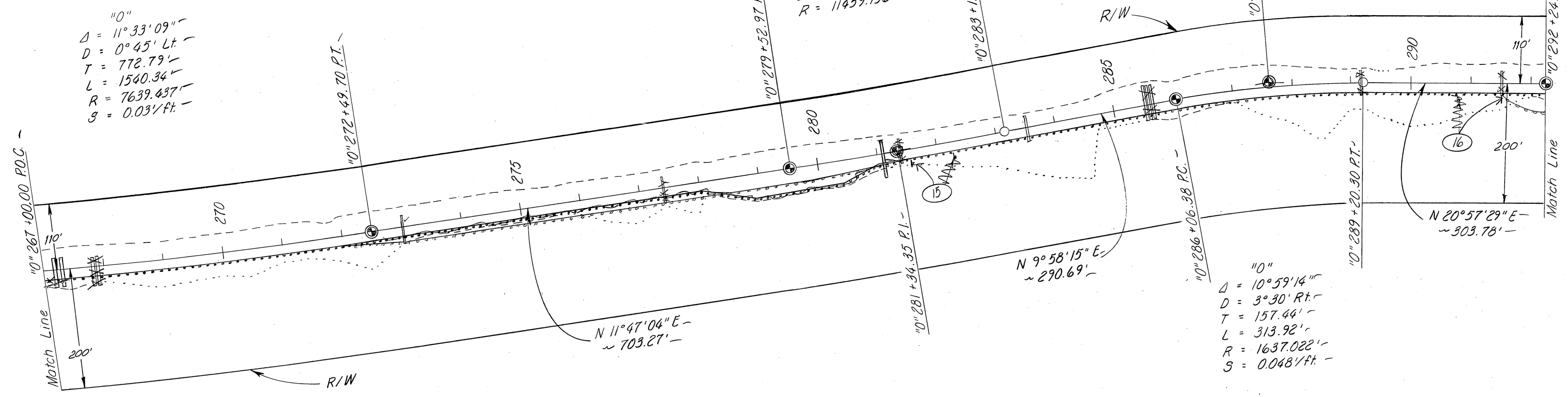
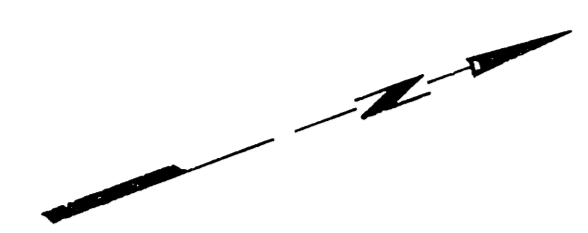
Embankment = 67,243 Cu. Yds.  
 Unclassified Excavation = 28,069 Cu. Yds.



DATE	BY

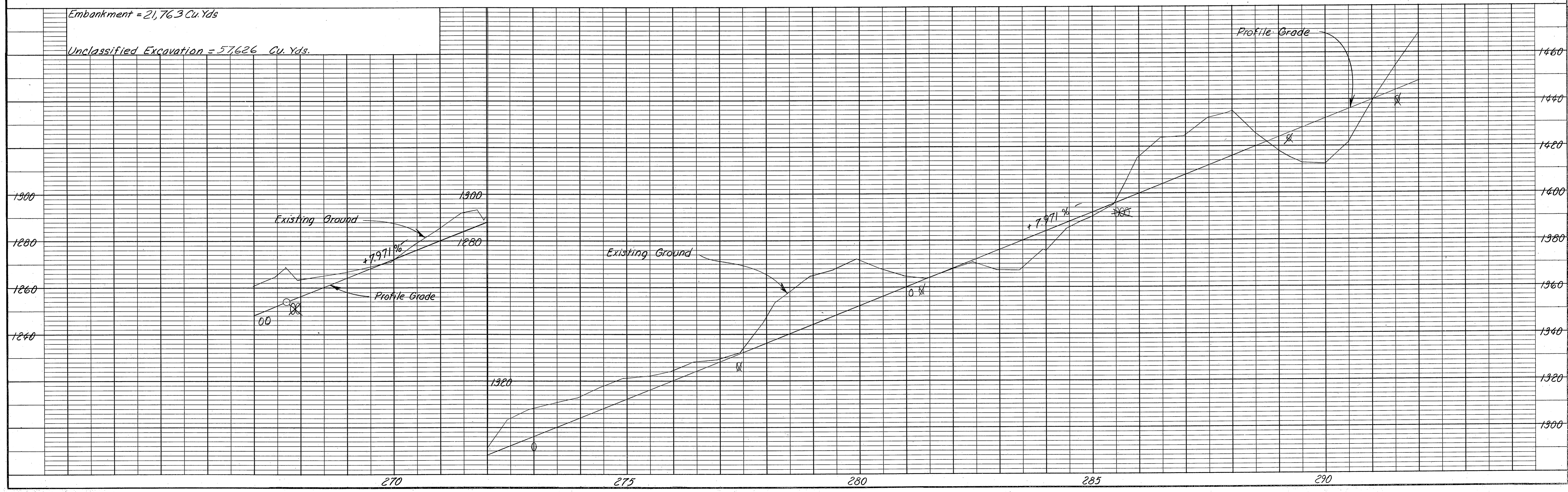
**PROFILE**  
 SURVEYED  
 NOTE BOOK  
 NO.

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	ALS-0999(12)	1974	13	48



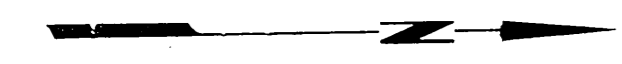
PLAN	DATE	BY
SURVEYED		
PLANNING CHECKED		
NOTE BOOK		
NO.		

Embankment = 21,763 Cu. Yds.  
 Unclassified Excavation = 57,626 Cu. Yds.



PROFILE	DATE	BY
SURVEYED		
GRADES CHECKED		
NOTE BOOK		
NO.		

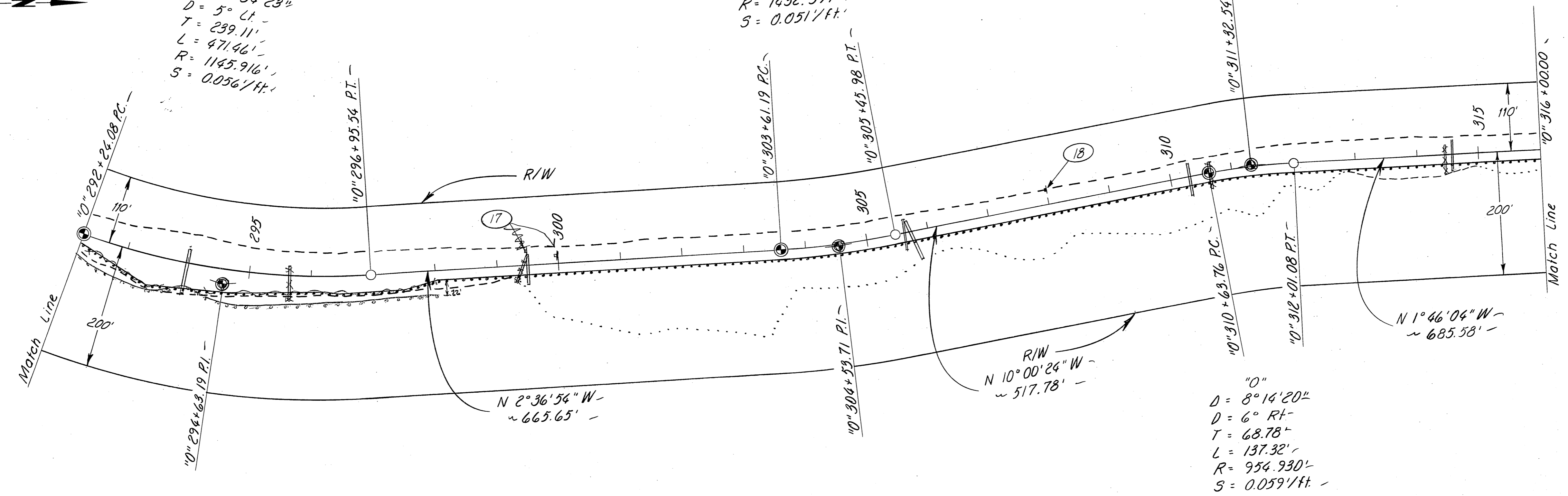
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	ALS-0999(12)	1974	14	48



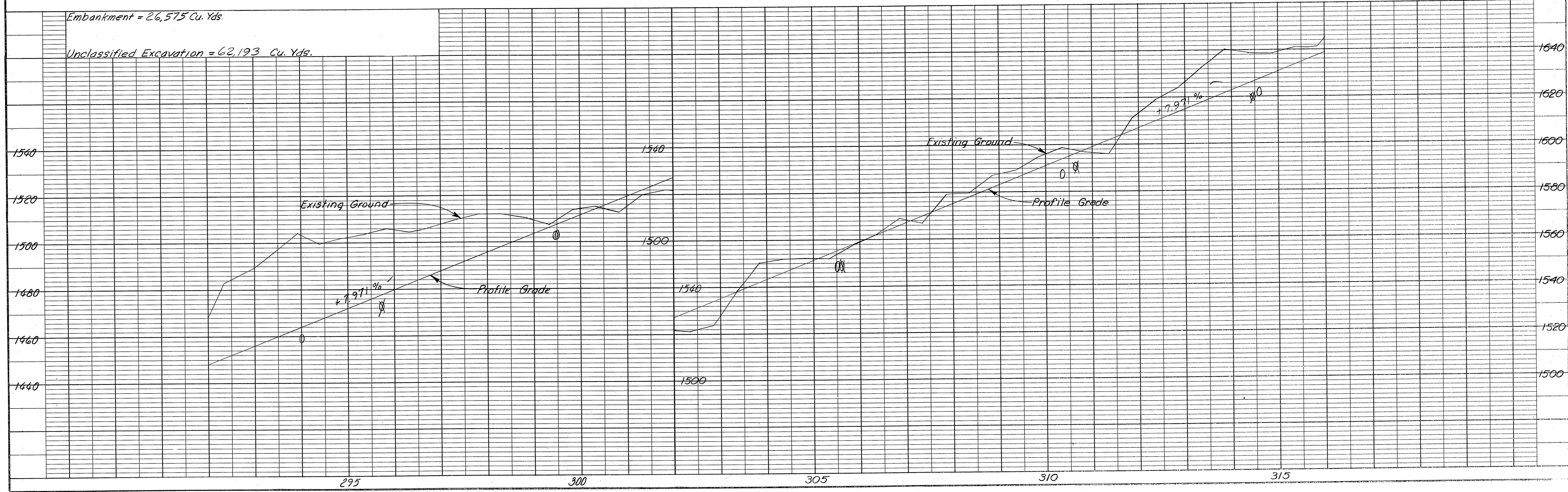
"0"  
 $D = 23^{\circ}34'23''$   
 $D = 5^{\circ} \text{ Lt.}$   
 $T = 239.11'$   
 $L = 471.46'$   
 $R = 1145.916'$   
 $S = 0.056/\text{ft.}$

"0"  
 $D = 7^{\circ}23'30''$   
 $D = 4^{\circ} \text{ Lt.}$   
 $T = 92.52'$   
 $L = 184.79'$   
 $R = 1432.394'$   
 $S = 0.051/\text{ft.}$

"0"  
 $D = 8^{\circ}14'20''$   
 $D = 6^{\circ} \text{ Rt.}$   
 $T = 68.78'$   
 $L = 137.32'$   
 $R = 954.930'$   
 $S = 0.059/\text{ft.}$



Embankment = 26,575 Cu. Yds.  
 Unclassified Excavation = 62,193 Cu. Yds.



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

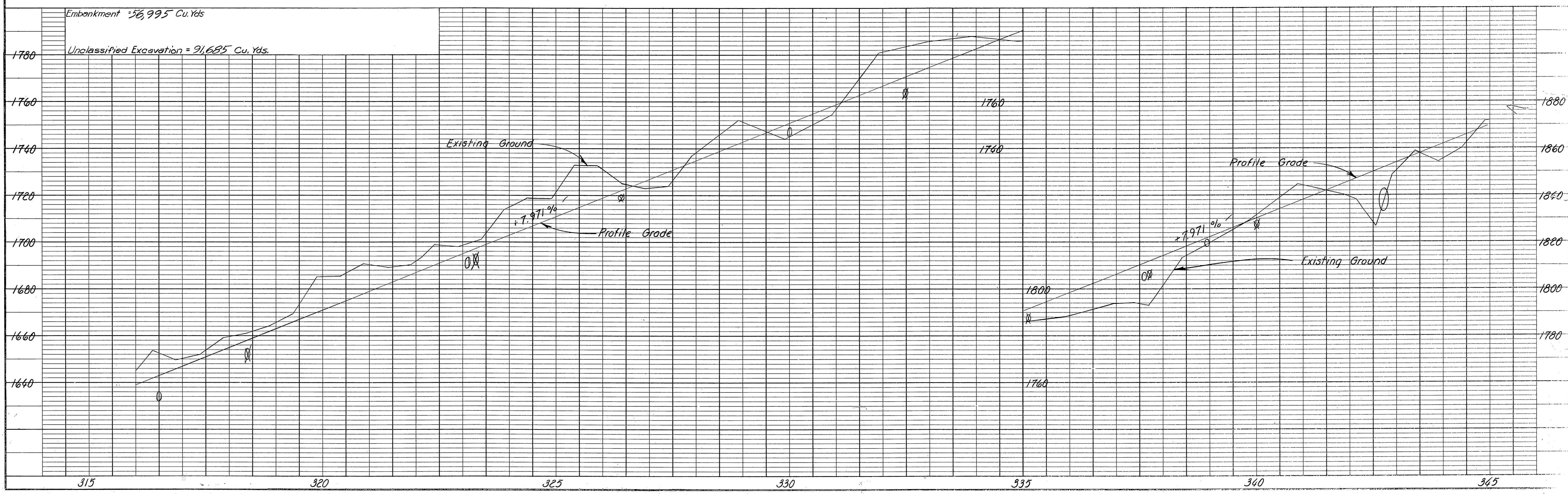
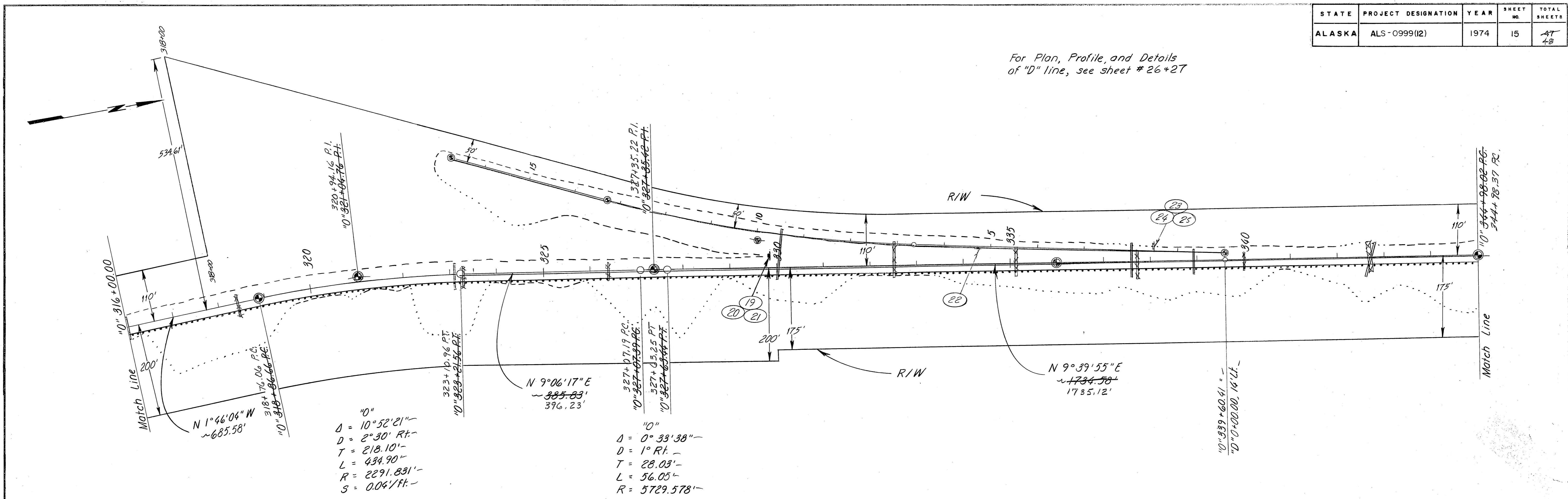
PROFILE	DATE
SURVEYED	
PLOTTED	
CHECKED	
NOTE BOOK	
STRUCTURE NOTES CHKD.	
NO.	

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	ALS-0999(12)	1974	15	47 48

For Plan, Profile, and Details of "D" line, see sheet #26+27

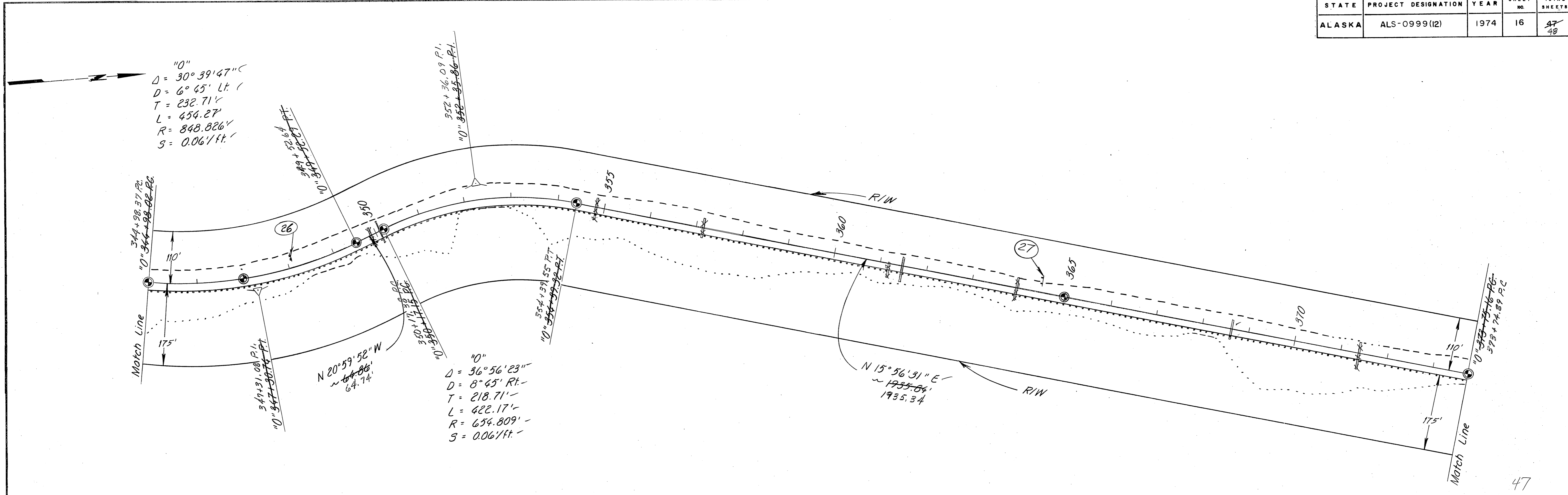
PLAN	DATE	BY
SURVEYED		
NOTE BOOK		
NO.		

PROFILE	DATE	BY
SURVEYED		
NOTE BOOK		
NO.		

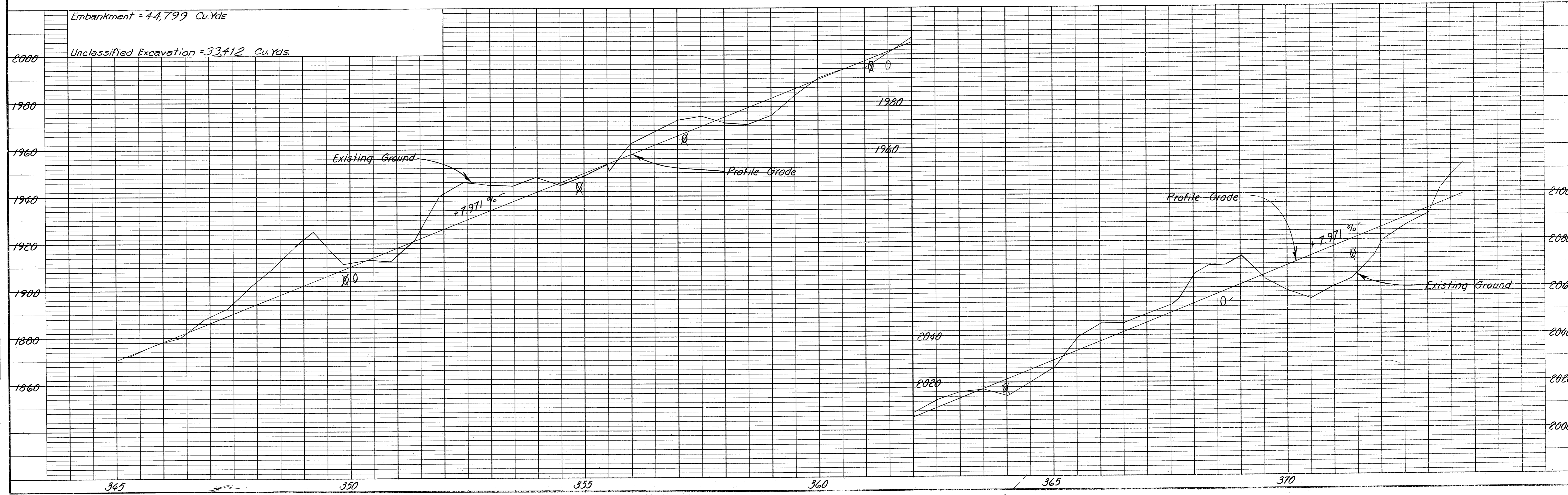


STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	ALS-0999(12)	1974	16	47

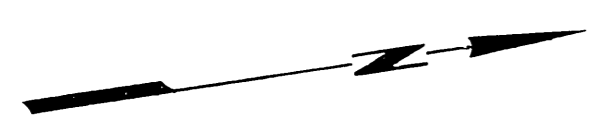
PLAN	DATE
SURVEYED: _____	_____
ALIGNED: _____	_____
NOTE BOOK: _____	_____
NO. _____	_____



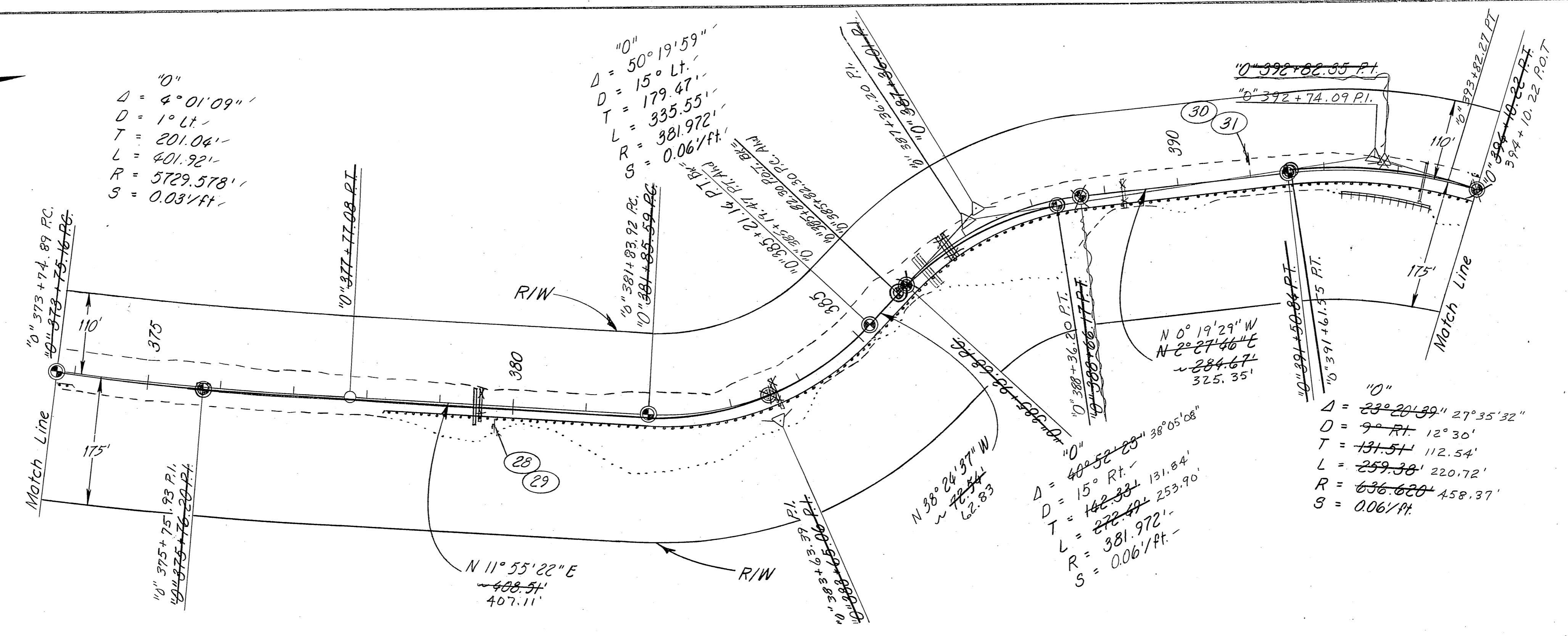
PROFILE	DATE
SURVEYED: _____	_____
PLOTTED: _____	_____
NOTE BOOK: _____	_____
NO. _____	_____



STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	ALS-0999 (I2)	1974	17	47



Note:  
For Gabion details  
see sht. # 30



"0"  
 $\Delta = 4^{\circ} 01' 09''$   
 $D = 1^{\circ} \text{ Lt.}$   
 $T = 201.04'$   
 $L = 401.92'$   
 $R = 5729.578'$   
 $S = 0.037 \text{ ft.}$

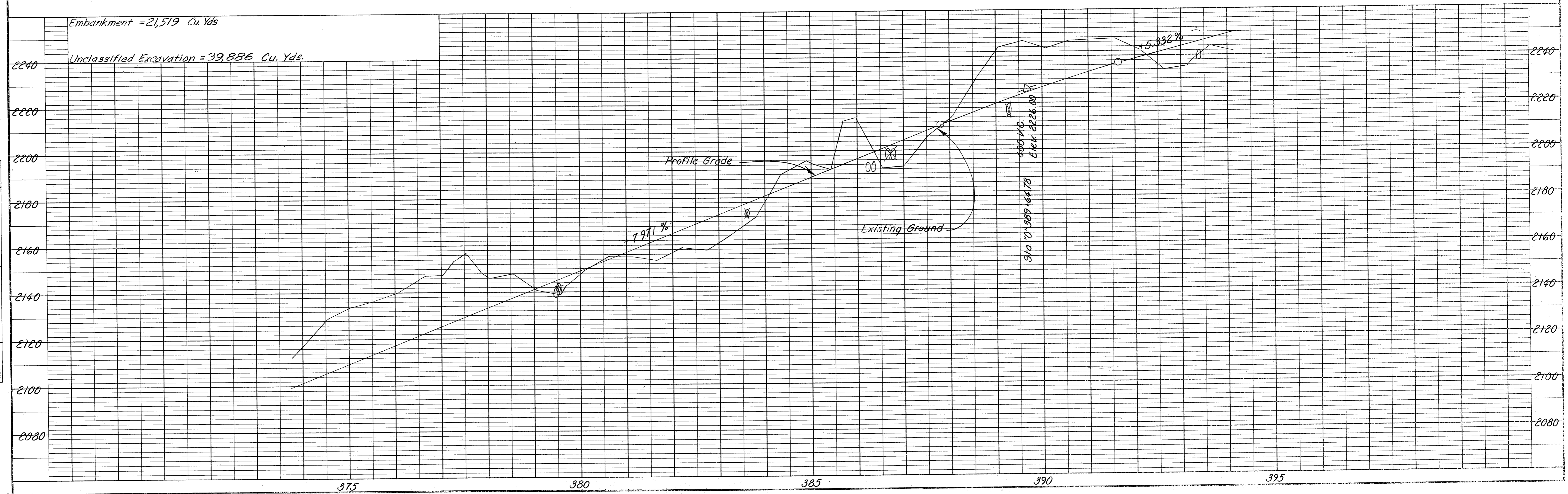
"0"  
 $\Delta = 50^{\circ} 19' 59''$   
 $D = 15^{\circ} \text{ Lt.}$   
 $T = 179.47'$   
 $L = 335.55'$   
 $R = 381.972'$   
 $S = 0.067 \text{ ft.}$

"0"  
 $\Delta = 23^{\circ} 20' 39''$   
 $D = 9^{\circ} \text{ Rt.}$   
 $T = 131.51'$   
 $L = 259.38'$   
 $R = 636.620'$   
 $S = 0.067 \text{ ft.}$

"0"  
 $\Delta = 40^{\circ} 52' 25''$   
 $D = 15^{\circ} \text{ Rt.}$   
 $T = 142.33'$   
 $L = 272.49'$   
 $R = 381.972'$   
 $S = 0.067 \text{ ft.}$

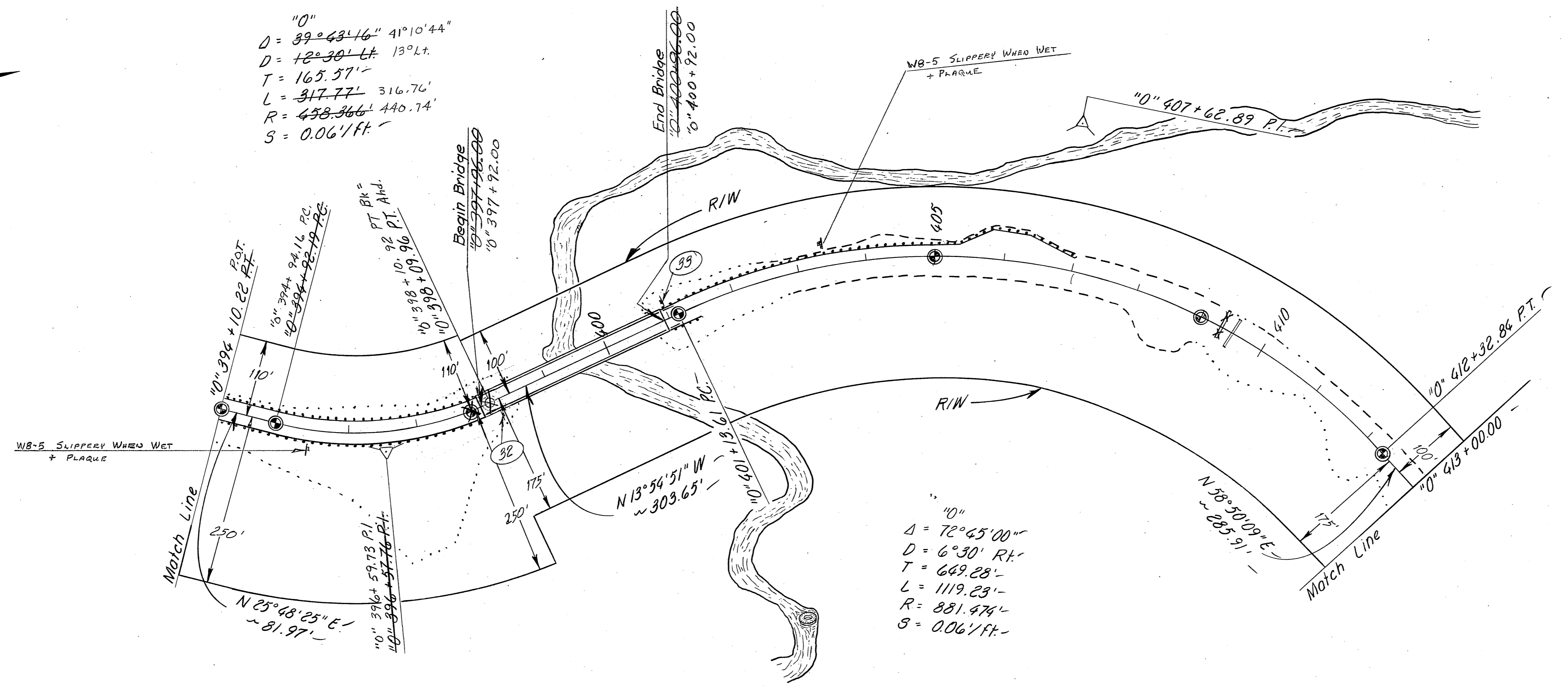
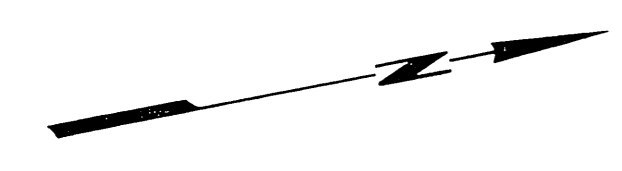
PLAN	DATE	BY
SURVEYED		
PLOTTED		
NOTE BOOK		
NO.		

PROFILE	DATE	BY
SURVEYED		
PLOTTED		
NOTE BOOK		
NO.		



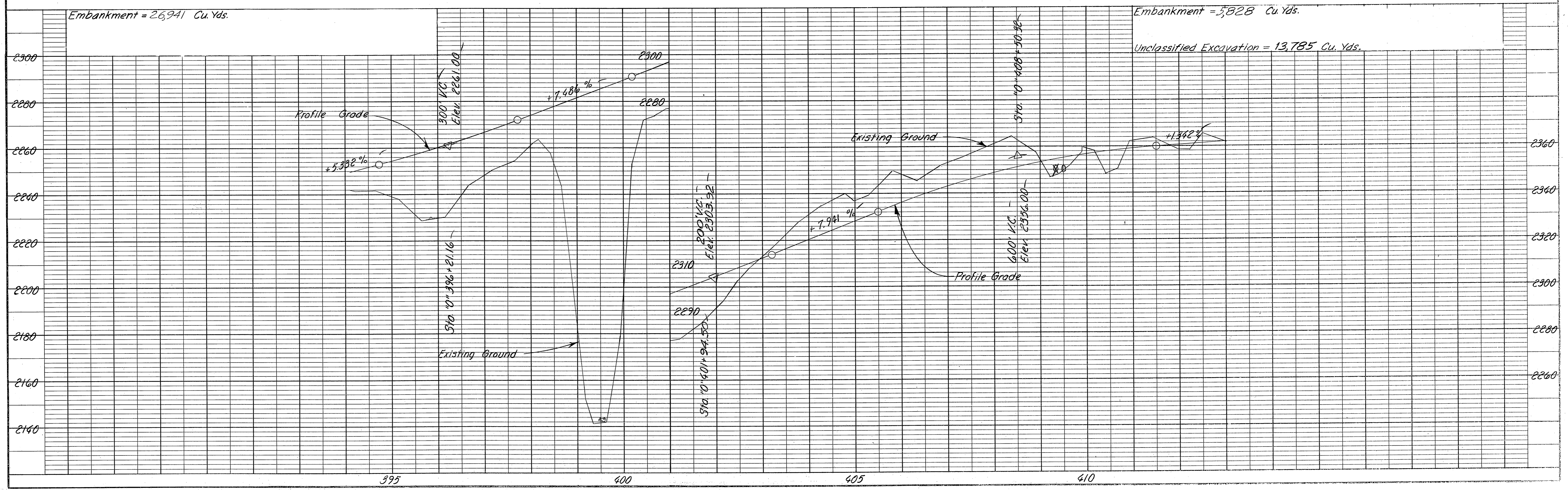
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	ALS-0999(12)	1974	18	47

"0"  
 $D = 39^{\circ}43'16''$   $41^{\circ}10'44''$   
 $D = 12^{\circ}30' Lt.$   $13^{\circ} Lt.$   
 $T = 165.57'$   
 $L = 317.77'$   $316.76'$   
 $R = 458.366'$   $440.74'$   
 $S = 0.06'/ft.$



PLAN	DATE	BY
SURVEYED		
ALIGNED		
NOTE BOOK		
RT. OF WAY CHECKED		
NO.		

PROFILE	DATE	BY
SURVEYED		
PLOTTED		
NOTE BOOK		
STRUCTURE NOTATIONS CHECKED		
NO.		

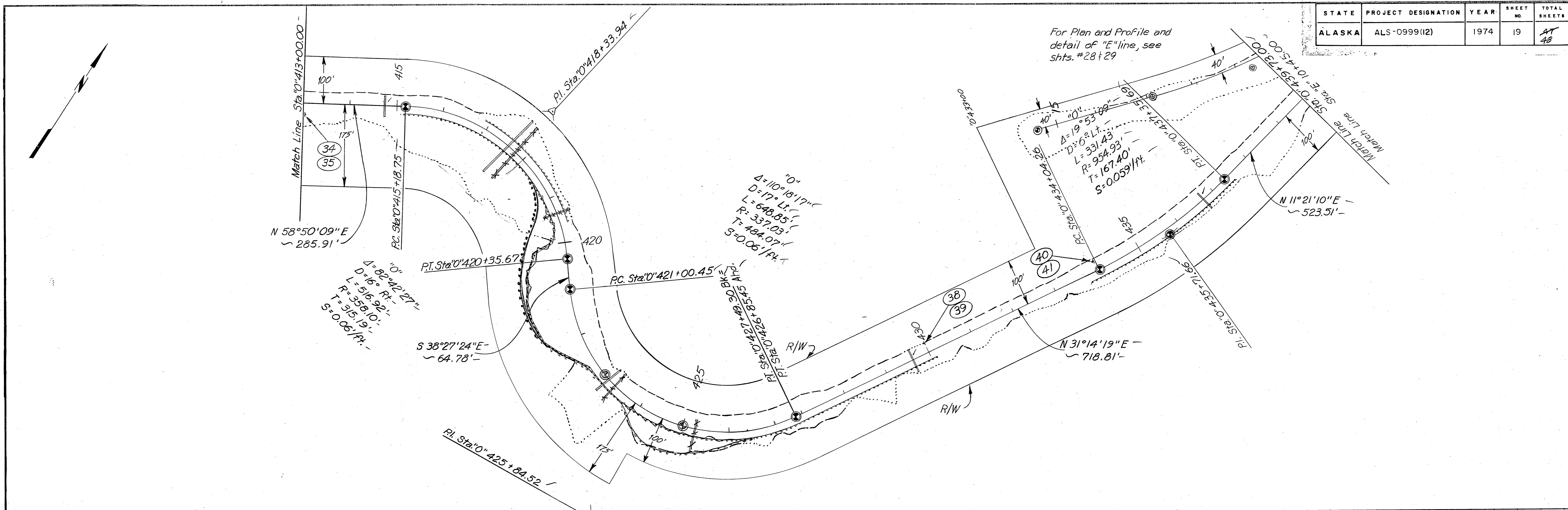


STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	ALS-0999(12)	1974	19	AT 48

For Plan and Profile and detail of "E" line, see shts. #28 & 29

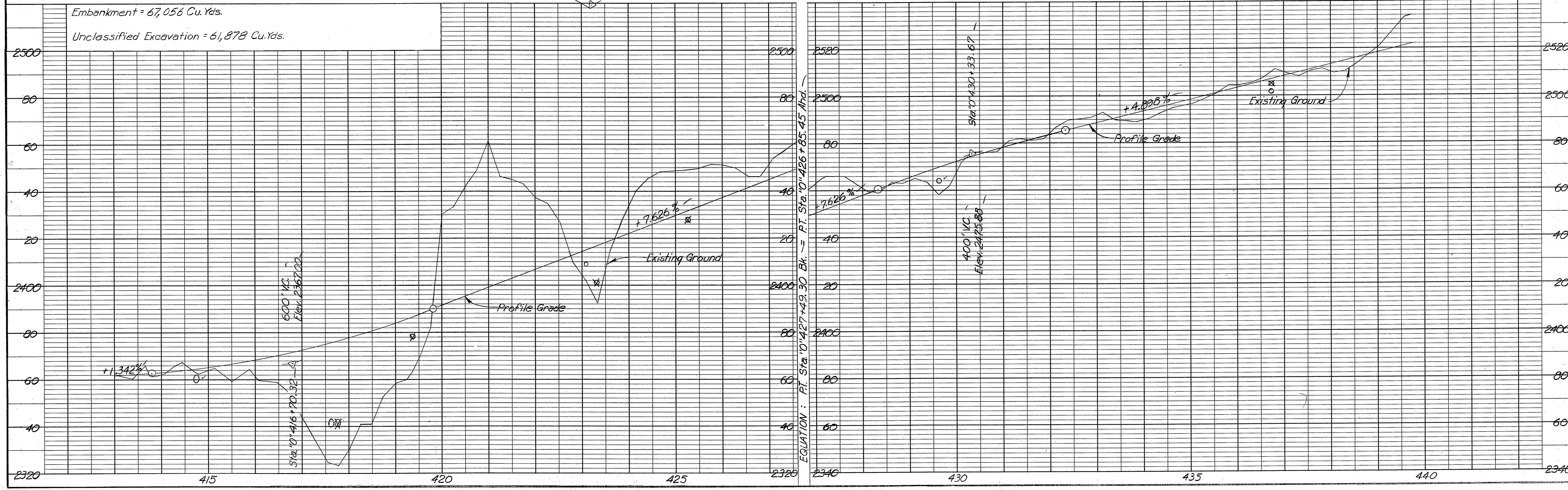
DATE	BY

**PLAN**  
 SURVEYED: \_\_\_\_\_  
 ALIGNMENT CHECKED: \_\_\_\_\_  
 NOTE BOOK: \_\_\_\_\_  
 RT. OF WAY CHECKED: \_\_\_\_\_  
 NO. \_\_\_\_\_

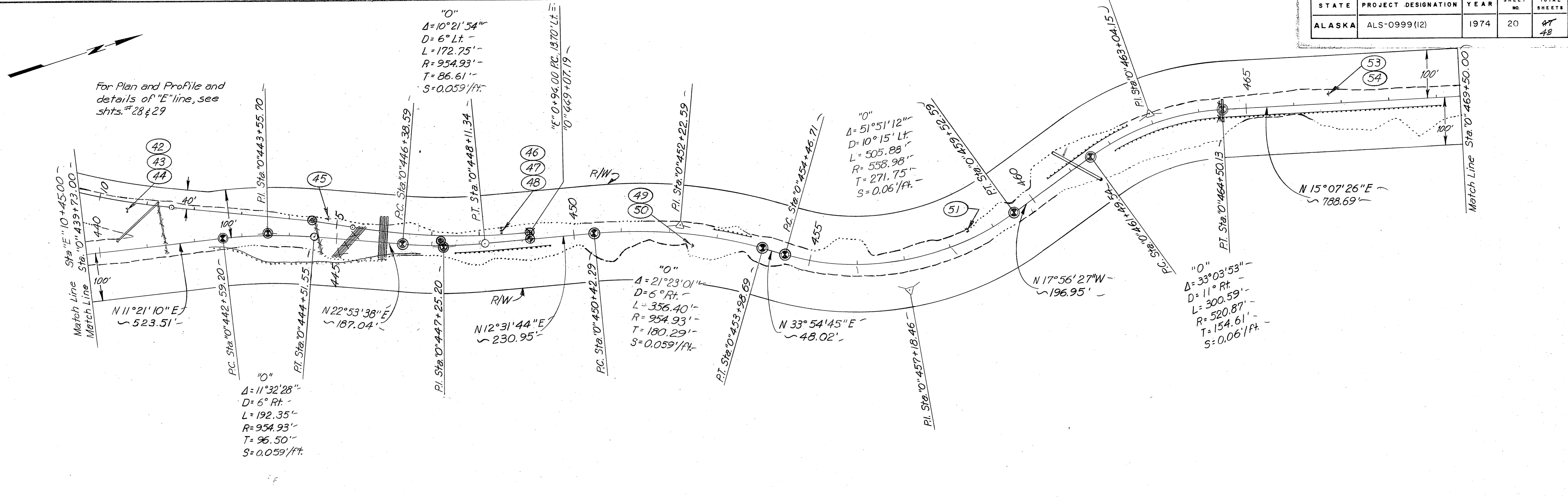


DATE	BY

**PROFILE**  
 SURVEYED: \_\_\_\_\_  
 GRADES CHECKED: \_\_\_\_\_  
 S. N. NOTED: \_\_\_\_\_  
 STRUCTURE NOTATIONS CH'KD: \_\_\_\_\_  
 NO. \_\_\_\_\_

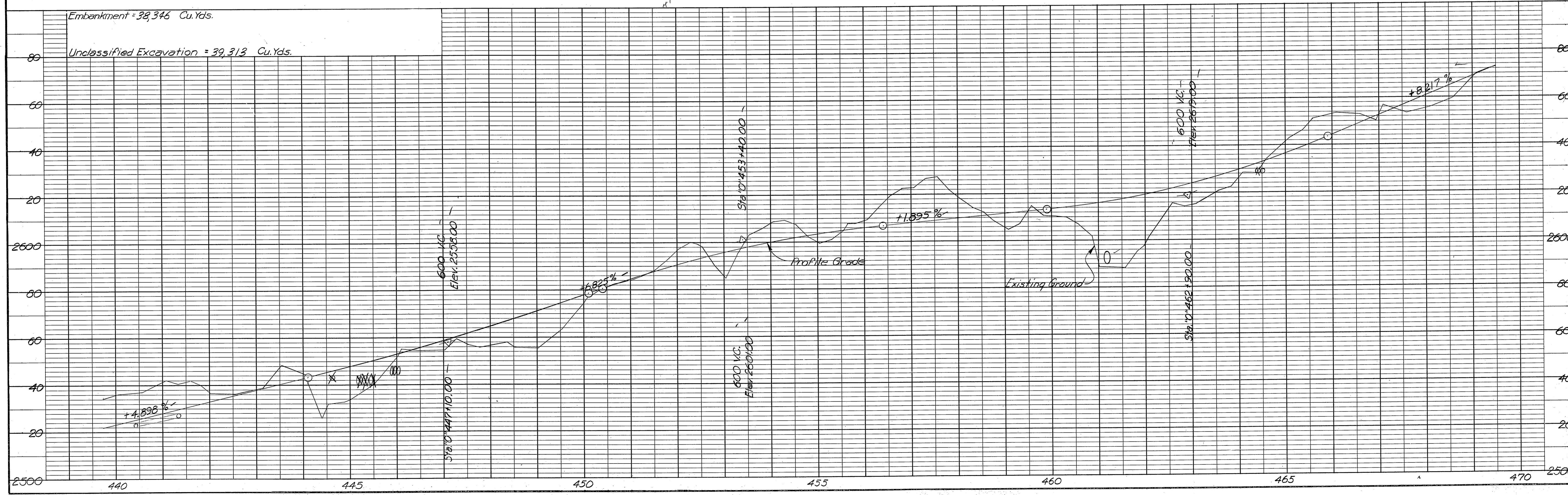


STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	ALS-0999(12)	1974	20	48



DATE	BY
SURVEYED, PLOTTED, CHECKED, ALIGNED, CHECKED, RT. OF WAY CHECKED.	
PLAN	NO.

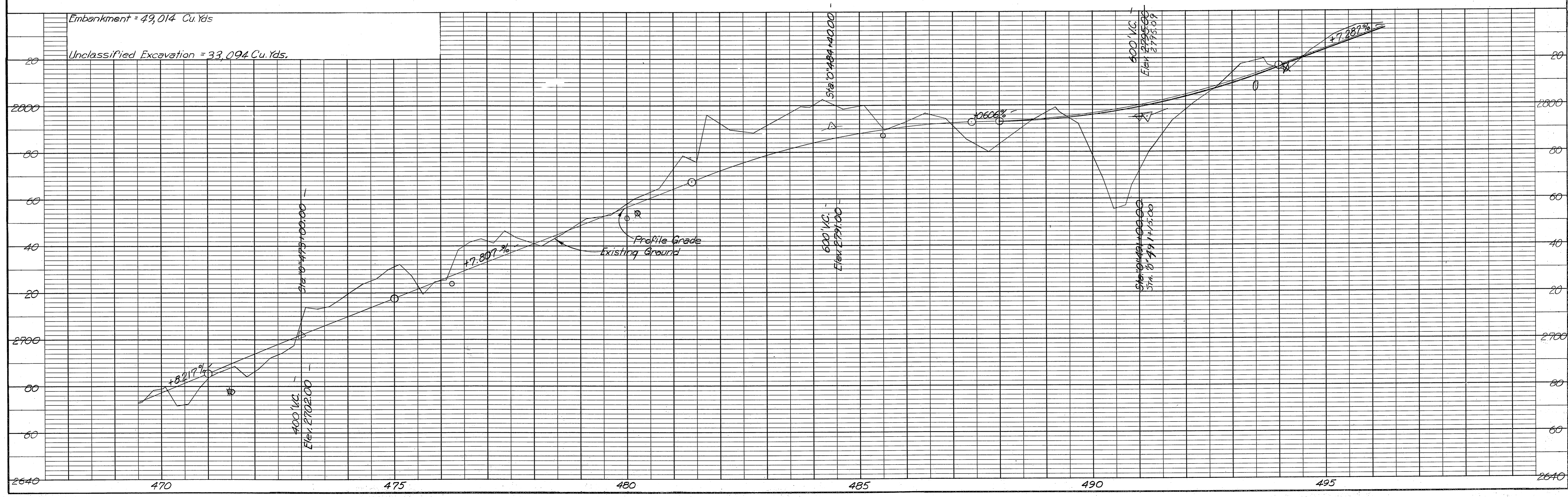
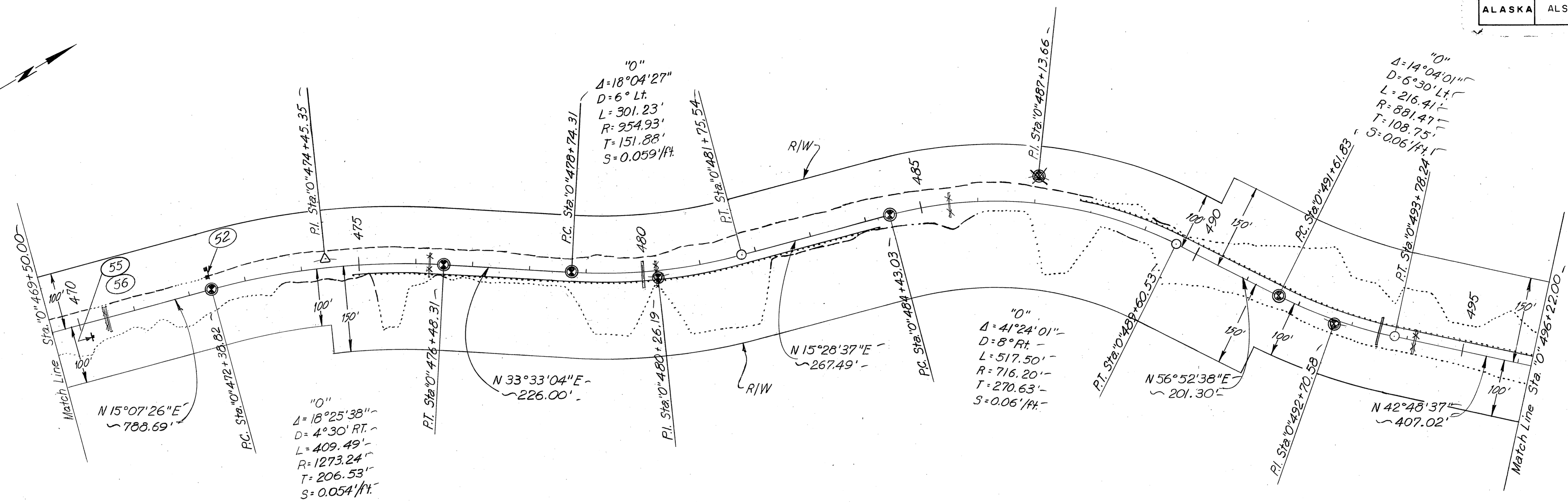
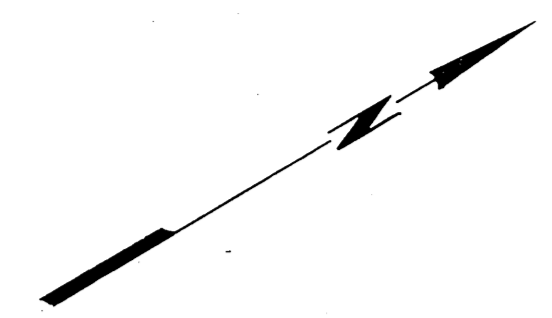
DATE	BY
SURVEYED, PLOTTED, CHECKED, STRUCTURE NOTATIONS CHECKED.	
PROFILE	NO.



STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	ALS-0999(12)	1974	21	AT 48

PLAN	DATE	BY
SURVEYED		
PLOTTED		
CHECKED		
NOTE BOOK		
NO.		

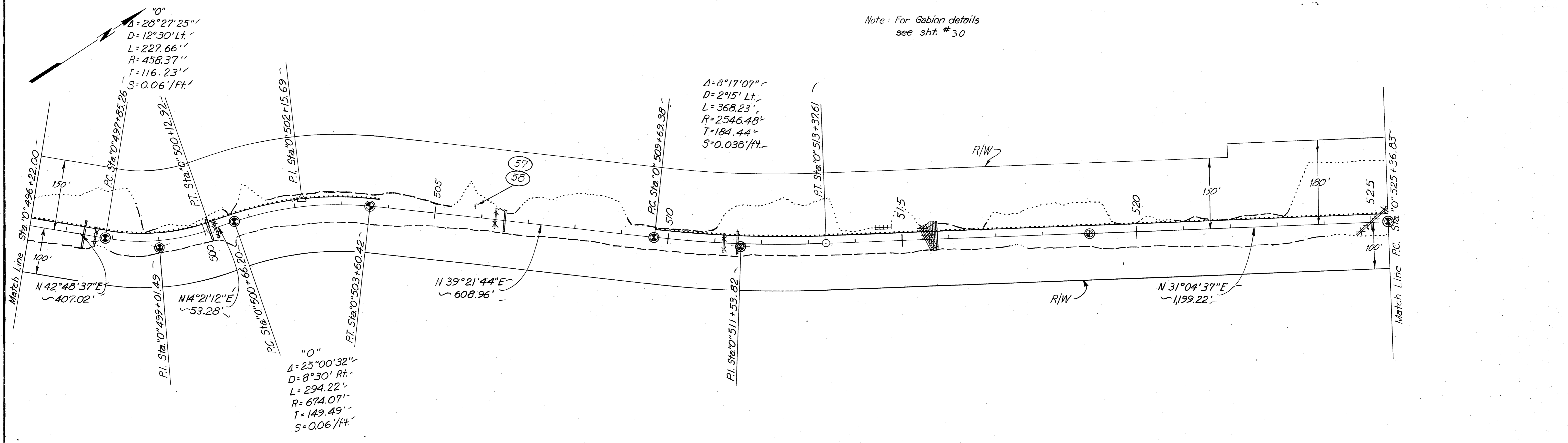
PROFILE	DATE	BY
SURVEYED		
PLOTTED		
CHECKED		
NOTE BOOK		
NO.		



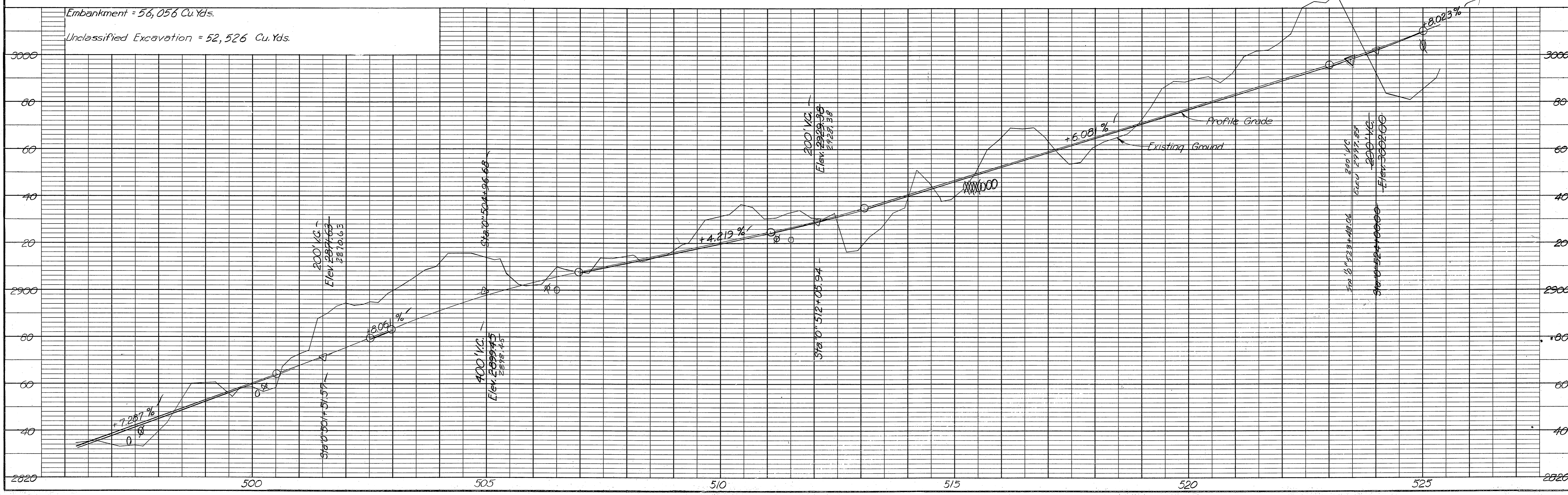
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	ALS-0999 (12)	1974	22	48

Note: For Gabion details see sht. #30

PLAN	DATE
SURVEYED	
NOTE BOOK	
NO.	

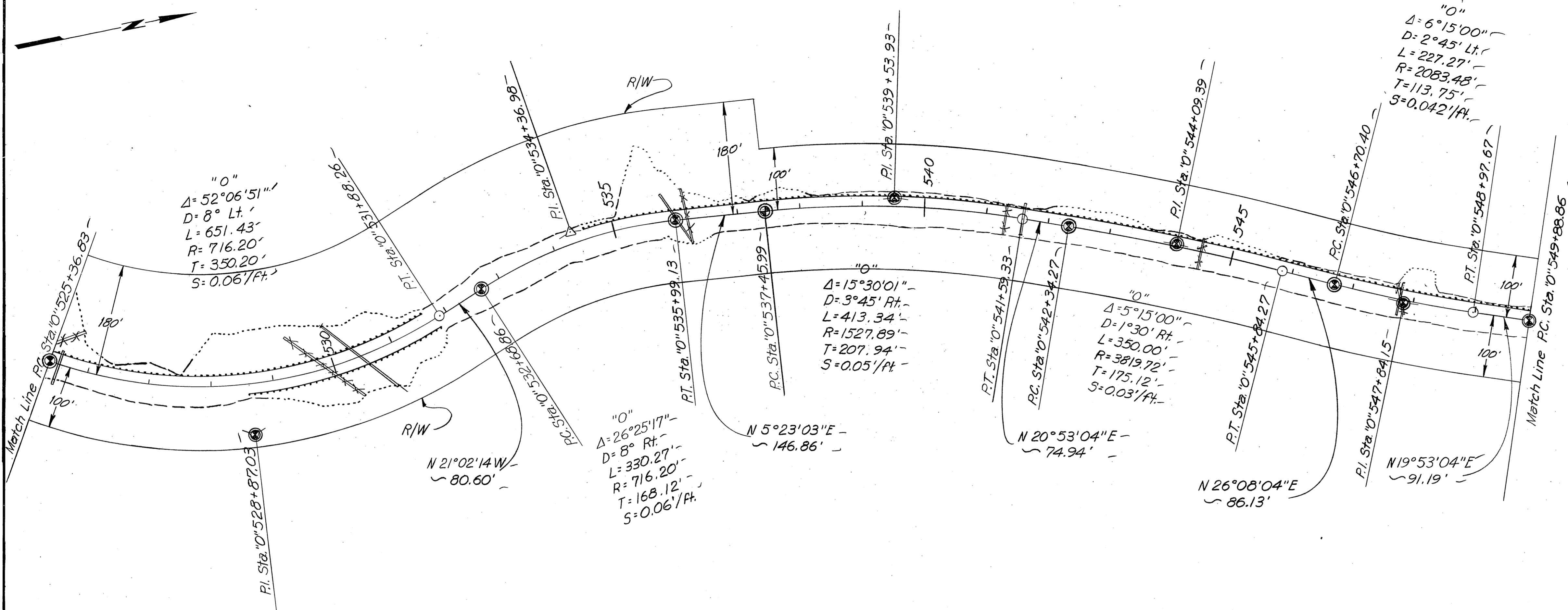


PROFILE	DATE
SURVEYED	
NOTE BOOK	
NO.	

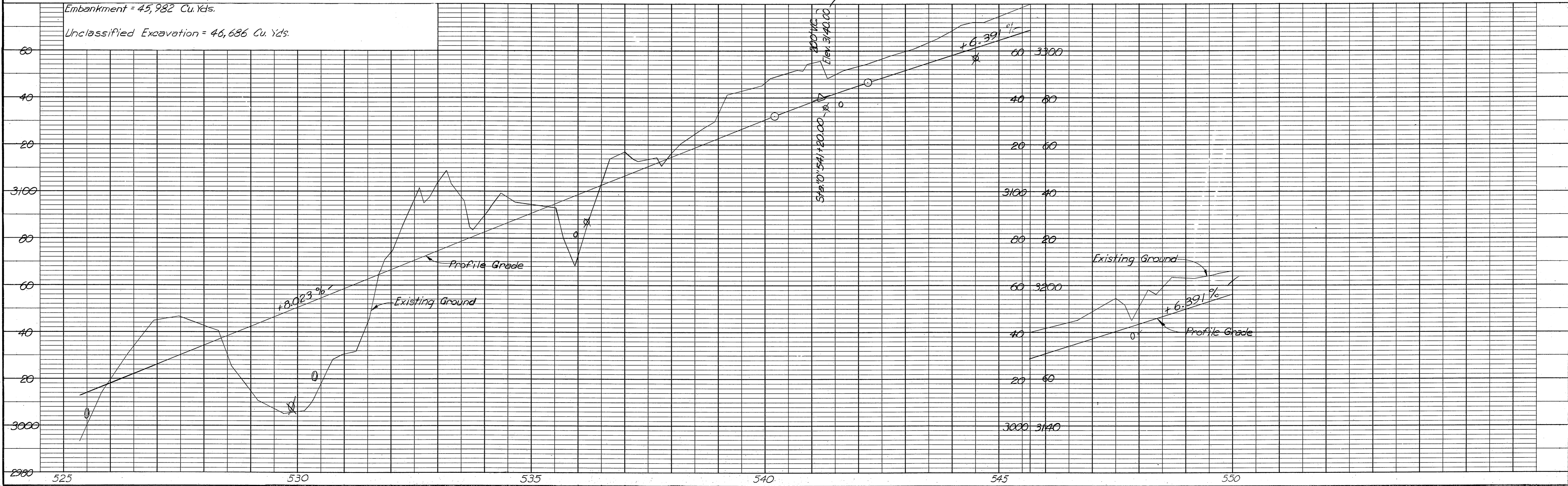


STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	ALS-0999 (12)	1974	23	48

PLAN	DATE
DESIGNED	
PLOTTED	
GRADES CHECKED	
ALIGNMENT CHECKED	
RT. OF WAY CHECKED	
NO.	



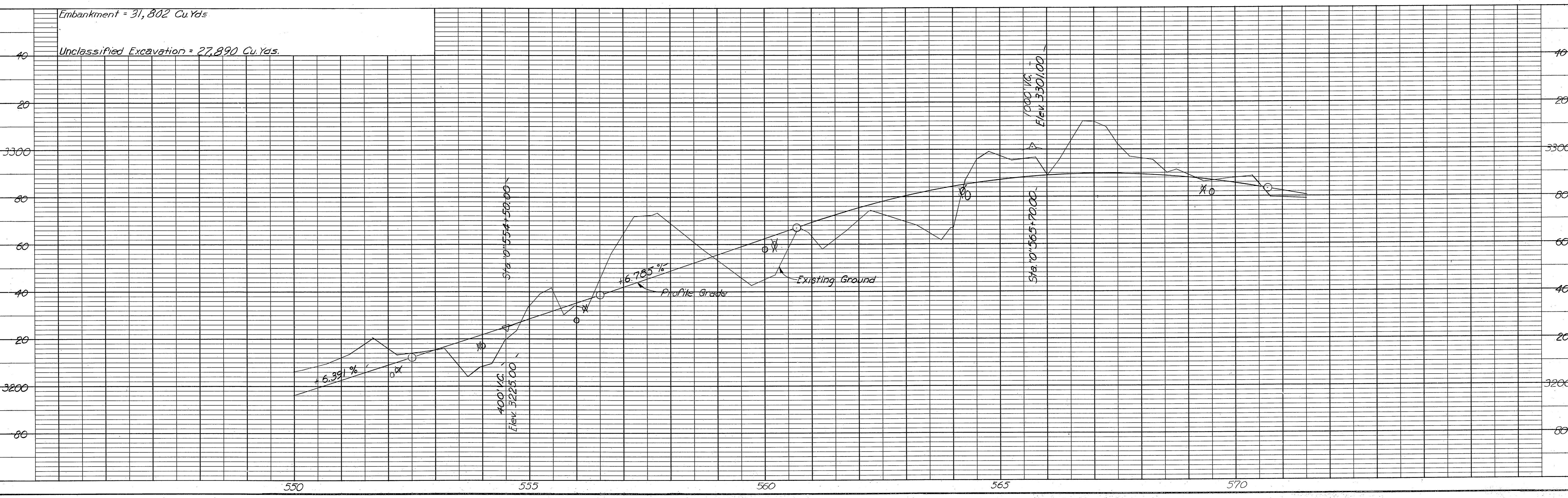
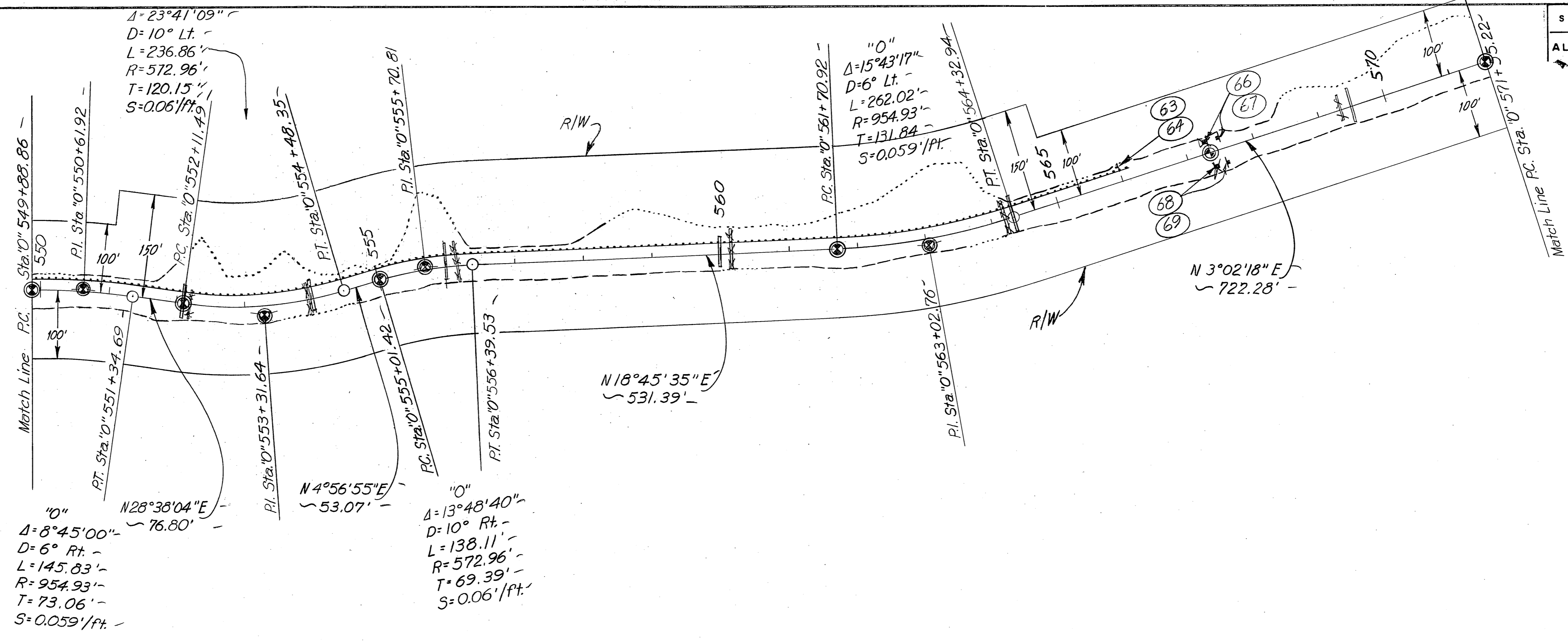
PROFILE	DATE
DESIGNED	
PLOTTED	
GRADES CHECKED	
STRUCTURE NOTATIONS CH'VD.	
NO.	



STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	ALS-0999(12)	1974	24	AT 48

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

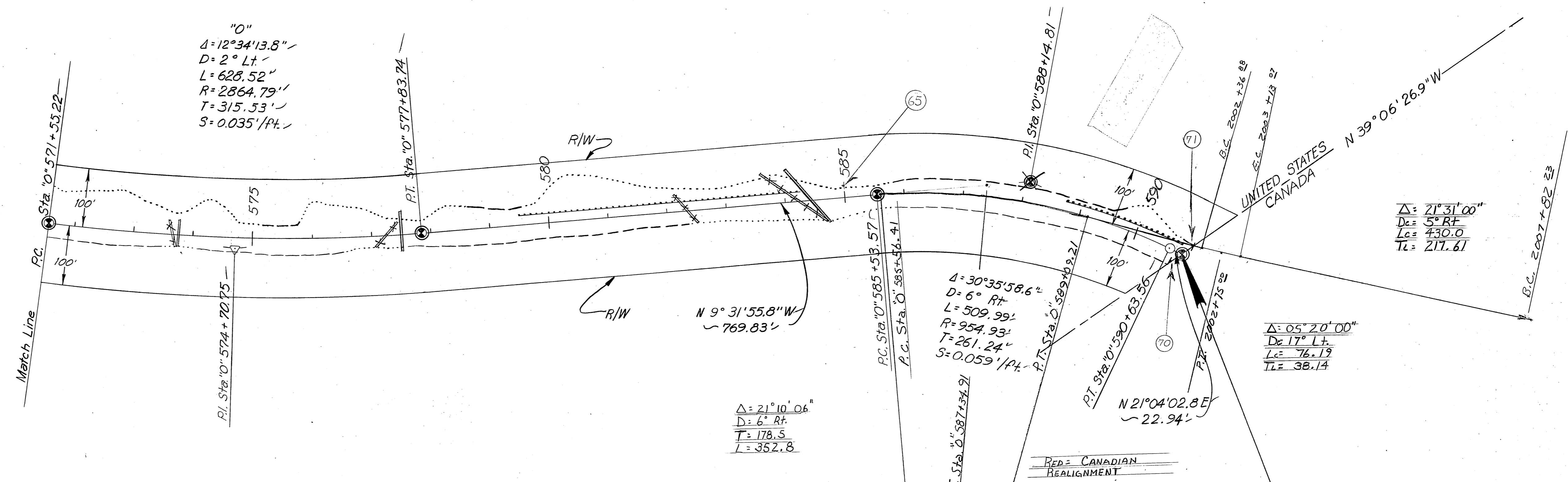
PROFILE	SURVEYED	DATE
	BY	
NOTE BOOK NO.	GRADES CHECKED	
	STRUCTURE NOTING CHECKED	



STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	S-0999(8)	1974	25	48

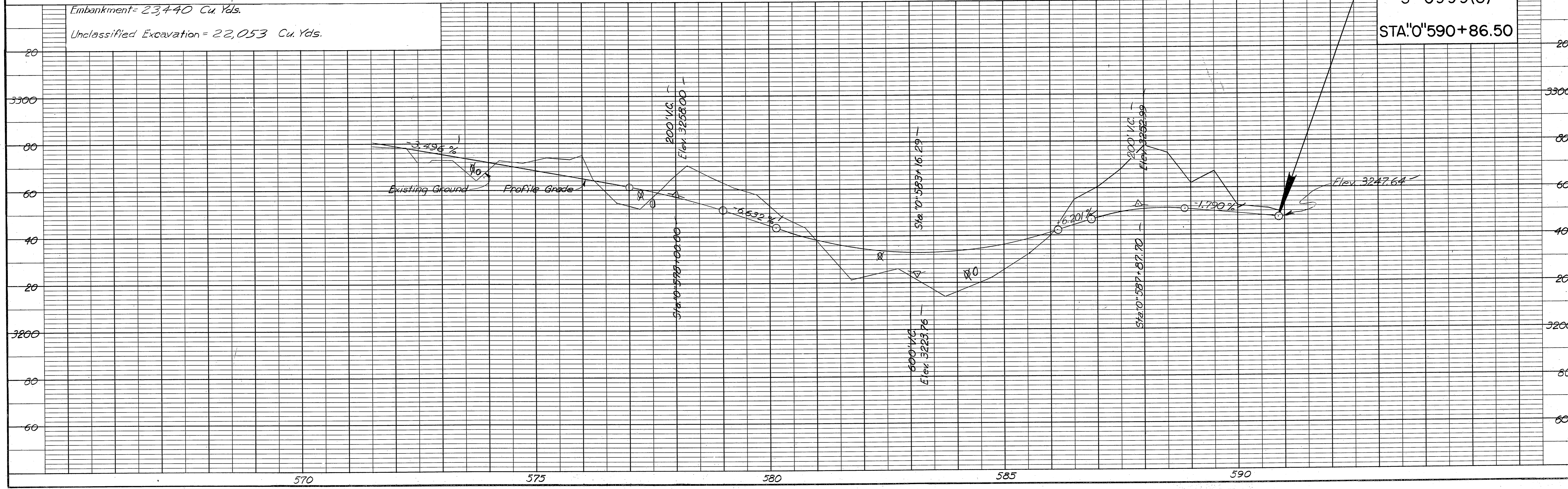
PLAN	DATE
SURVEYED	
NOTE BOOK	
ALIGNMENT CHECKED	
RT. OF WAY CHECKED	
NO.	

PROFILE	DATE
SURVEYED	
GRADES CHECKED	
B. M. NOTED	
STRUCTURE NOTATIONS CHECKED	
NO.	



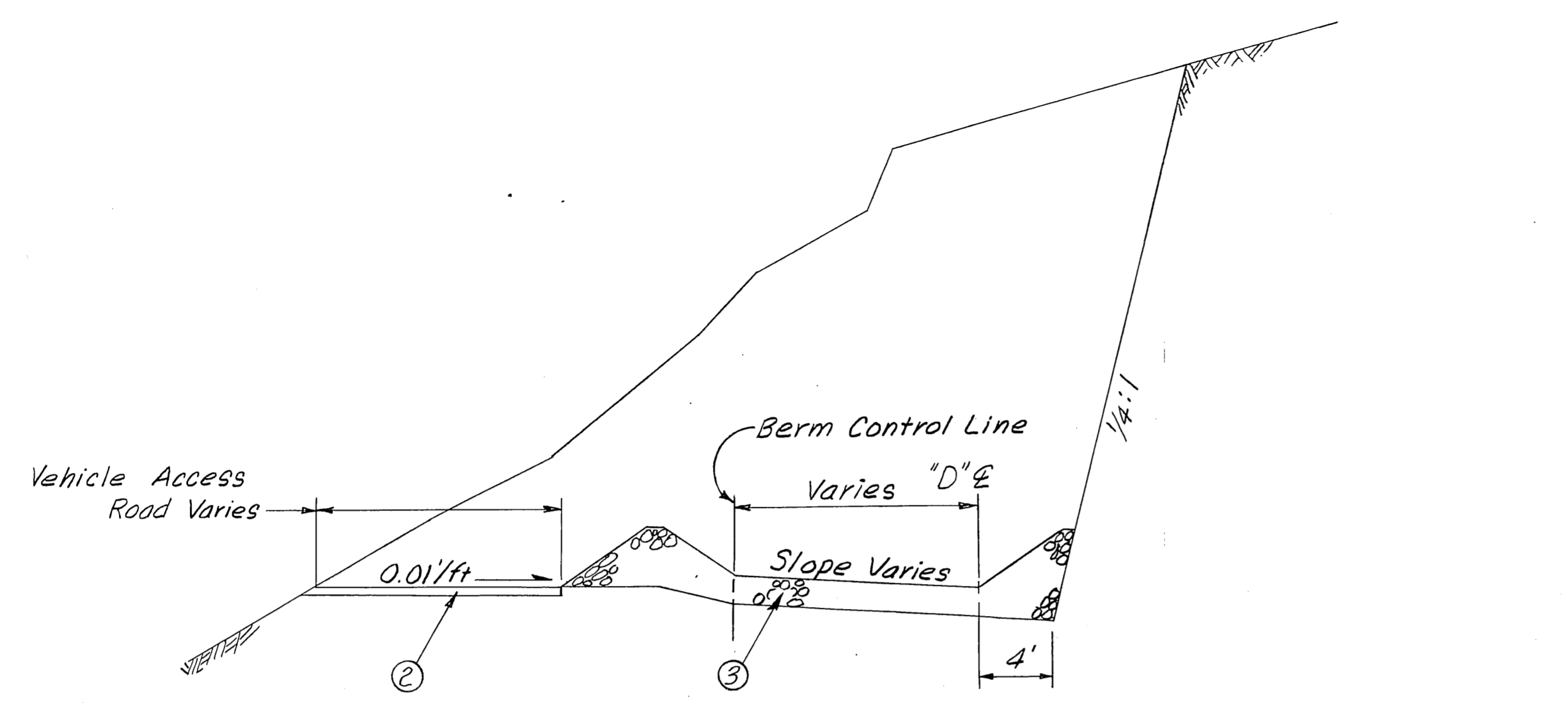
END OF PROJECT  
S-0999(8)  
STA. 0+590+86.50

Embankment = 23,440 Cu. Yds.  
Unclassified Excavation = 22,053 Cu. Yds.

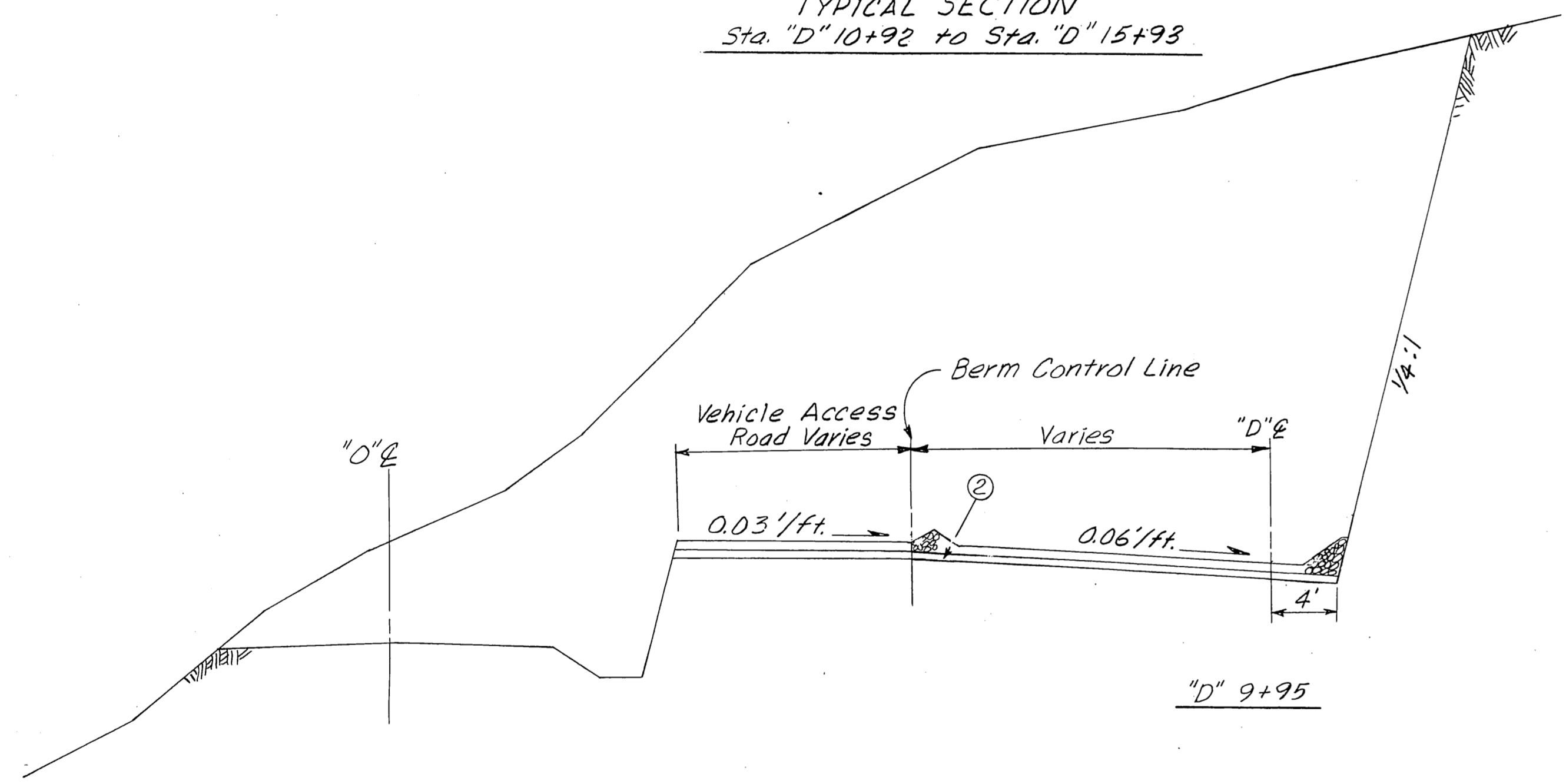


STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	ALS-0999(12)	1974	26	48

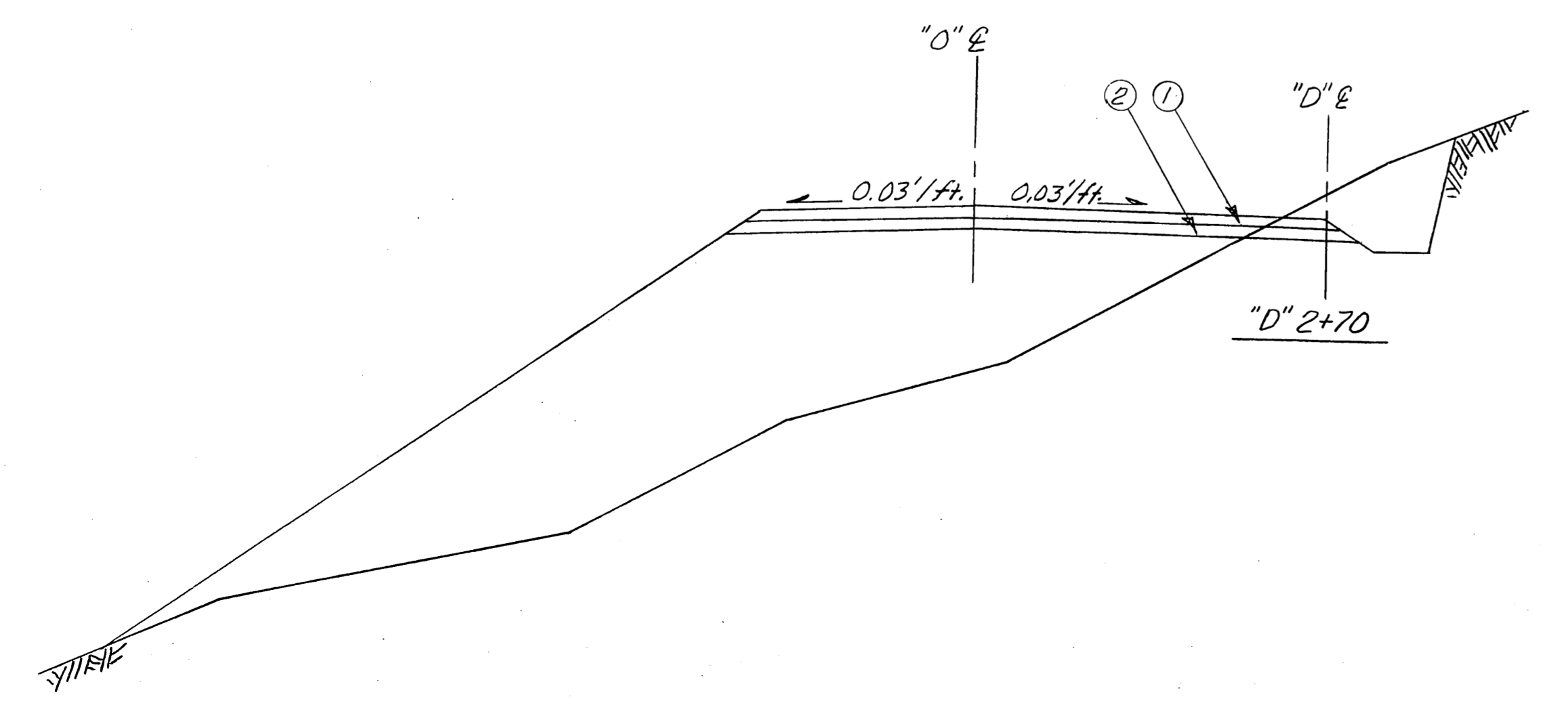
EMERGENCY ESCAPE  
RAMP DETAILS  
STA. "0" 335 ±



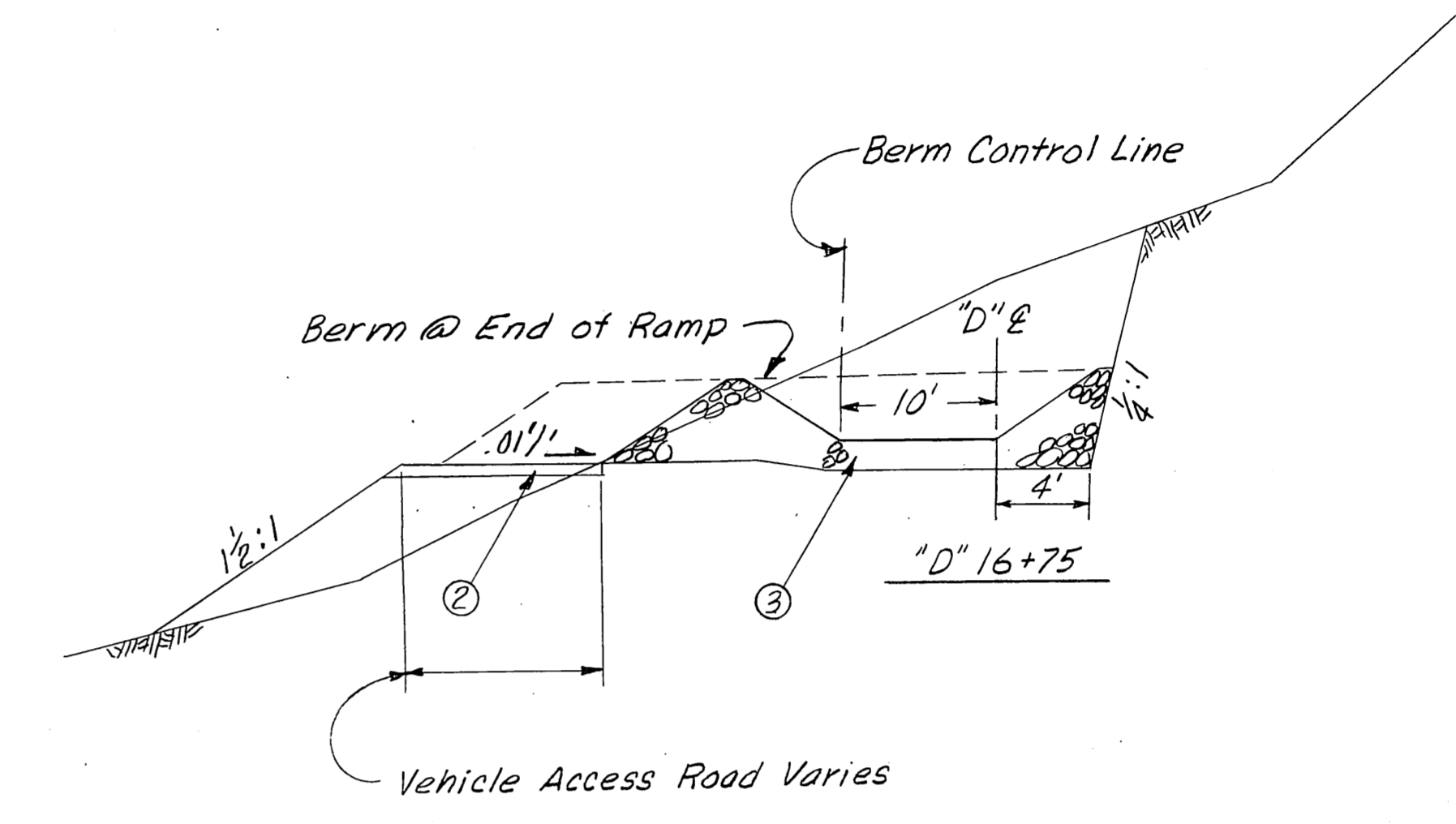
TYPICAL SECTION  
Sta. "D" 10+92 to Sta. "D" 15+93



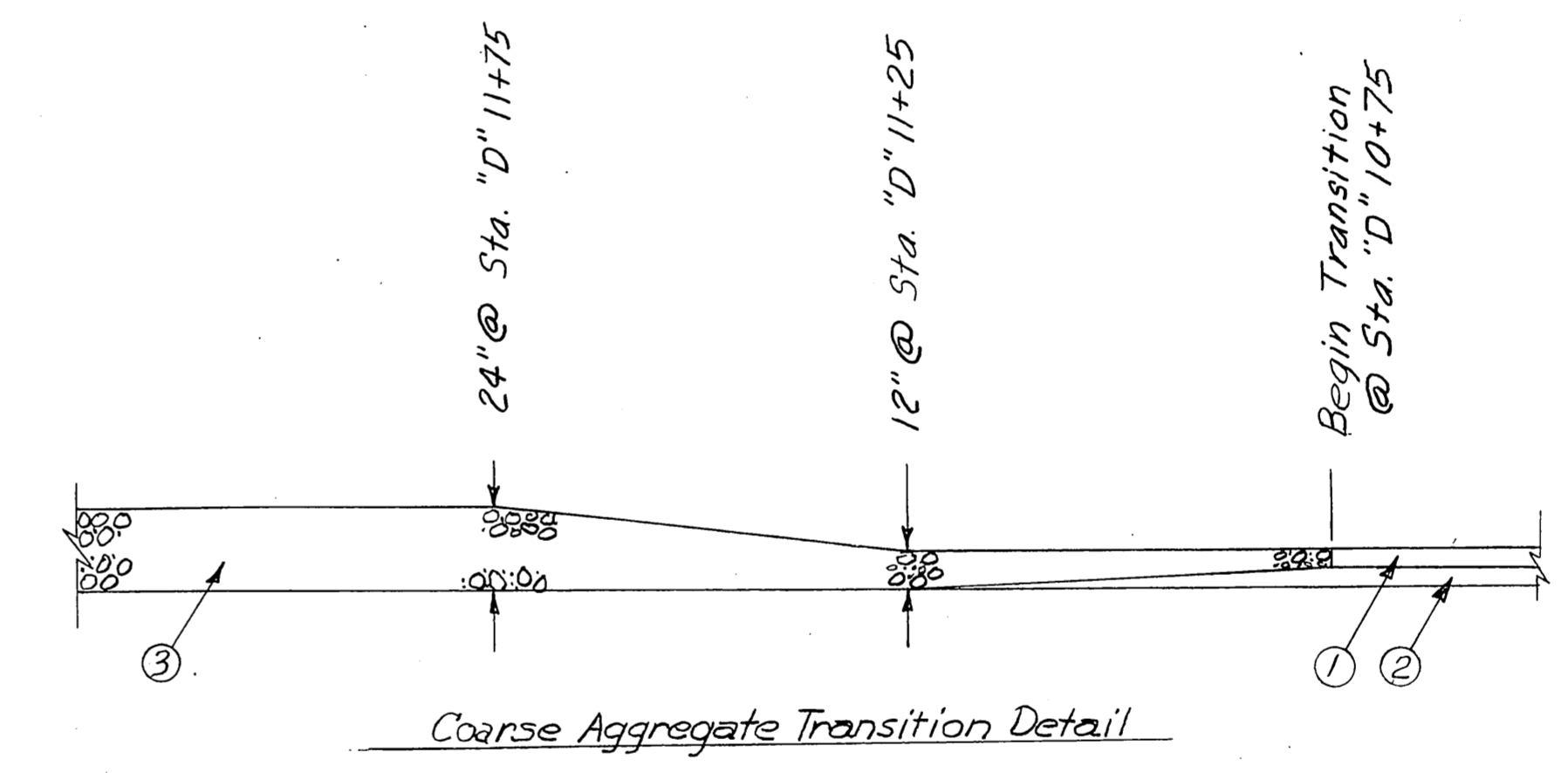
"D" 9+95



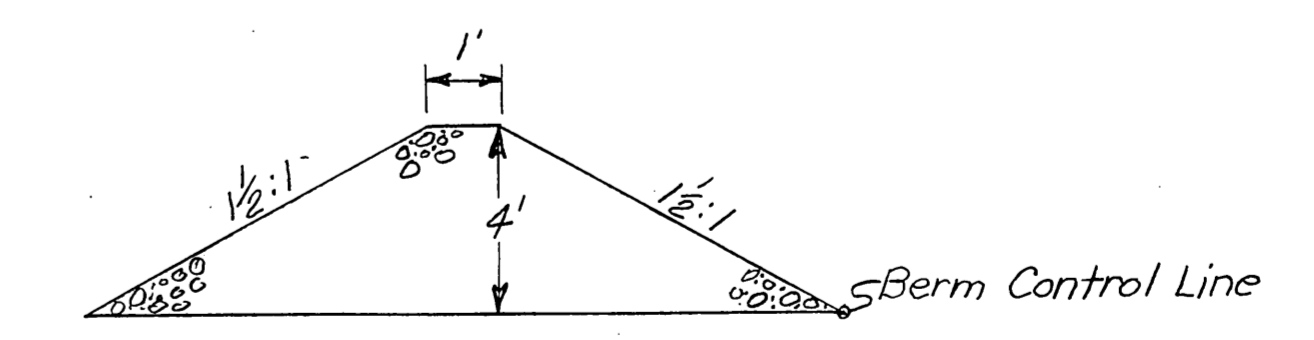
"D" 2+70



"D" 16+75



Coarse Aggregate Transition Detail



Berm Detail

Begin Berm @ "D" 9+50 & Transition to full berm @ "D" 10+75

LABEL INDEX

- ① 6" Subbase Grading "D"
- ② 6" Subbase Grading "A"
- ③ 24" Coarse Aggregate

Note: Transition uniformly the access road surfacing from ① and ② at "D" Sta. 9+92 to ② at "D" Sta. 11+00

5/11/77 (12)

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	ALS-0999(12)	1974	27	48

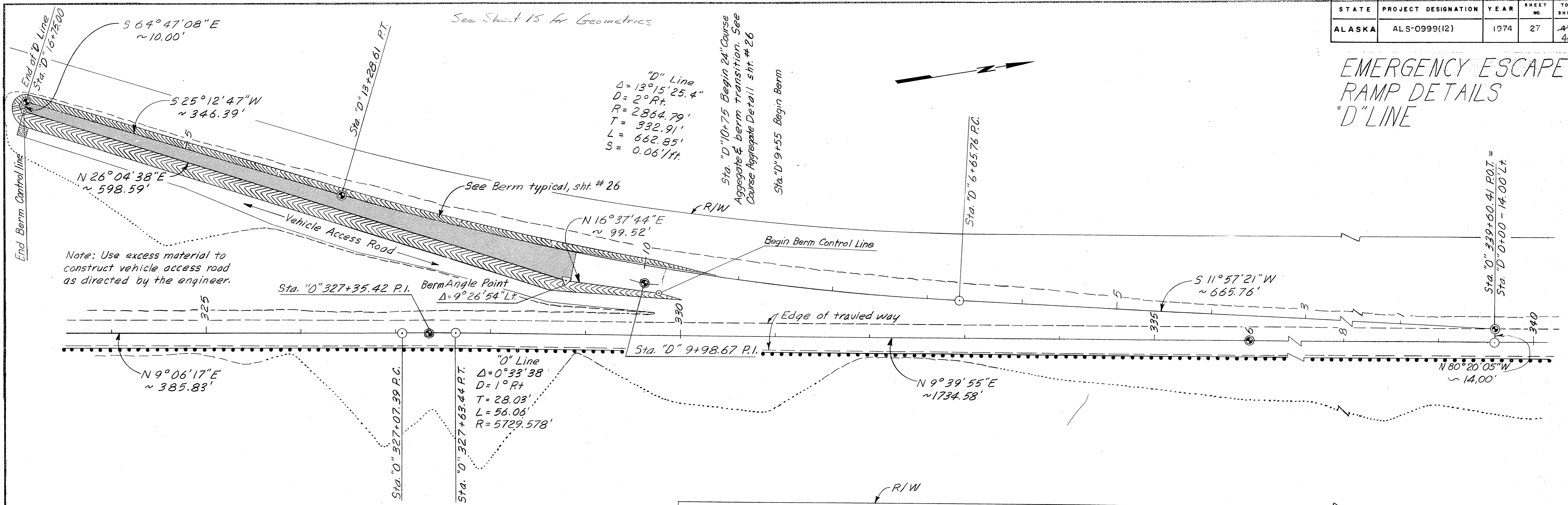
# EMERGENCY ESCAPE RAMP DETAILS "D" LINE

See Sheet 15 for Geometrics

"D" Line  
 $\Delta = 13^{\circ}15'25.4"$   
 $D = 2^{\circ}Rt$   
 $R = 2864.79'$   
 $T = 932.91'$   
 $L = 662.85'$   
 $S = 0.06'/ft$

Sta. "D" 10+75 Begin 24" Course Aggregate & berm transition. See Course Aggregate Detail sht. # 26

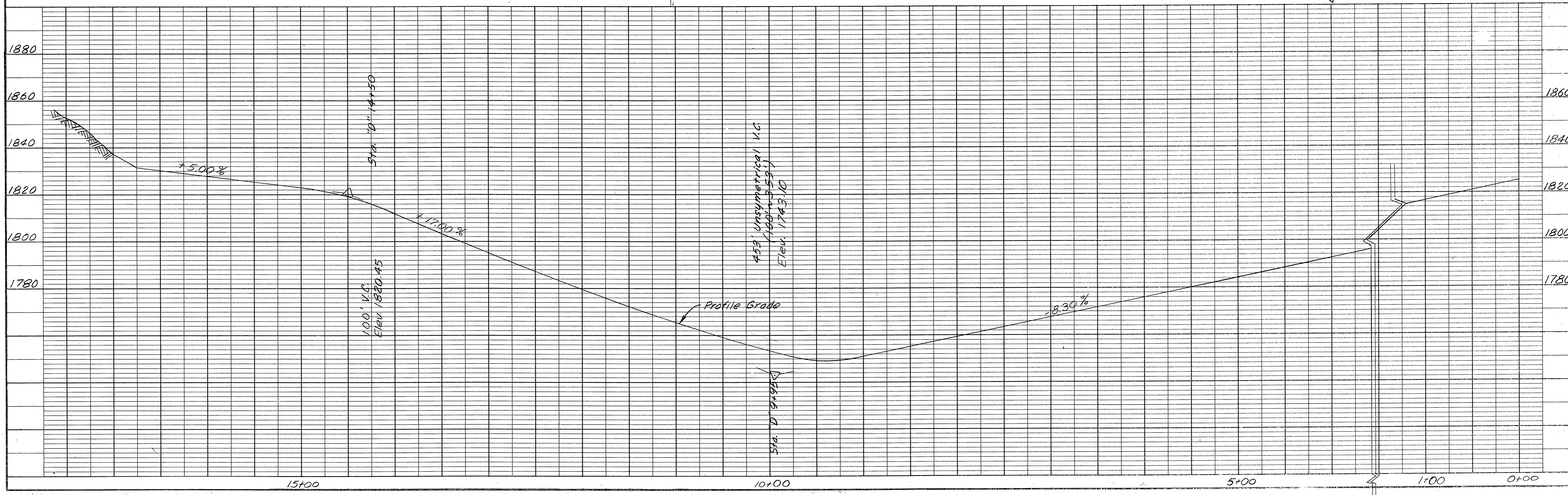
Sta. "D" 9+55 Begin Berm



Note: Use excess material to construct vehicle access road as directed by the engineer.

DATE	BY	REVISION

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

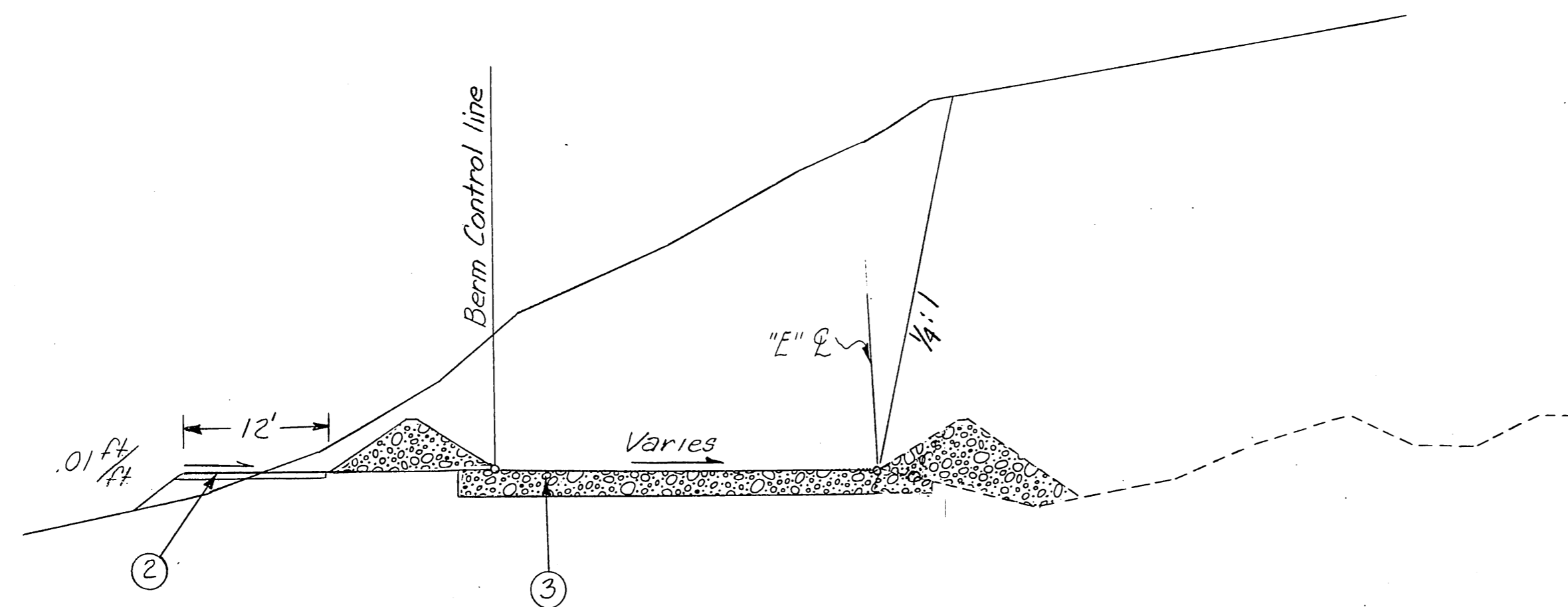


DATE	BY	REVISION

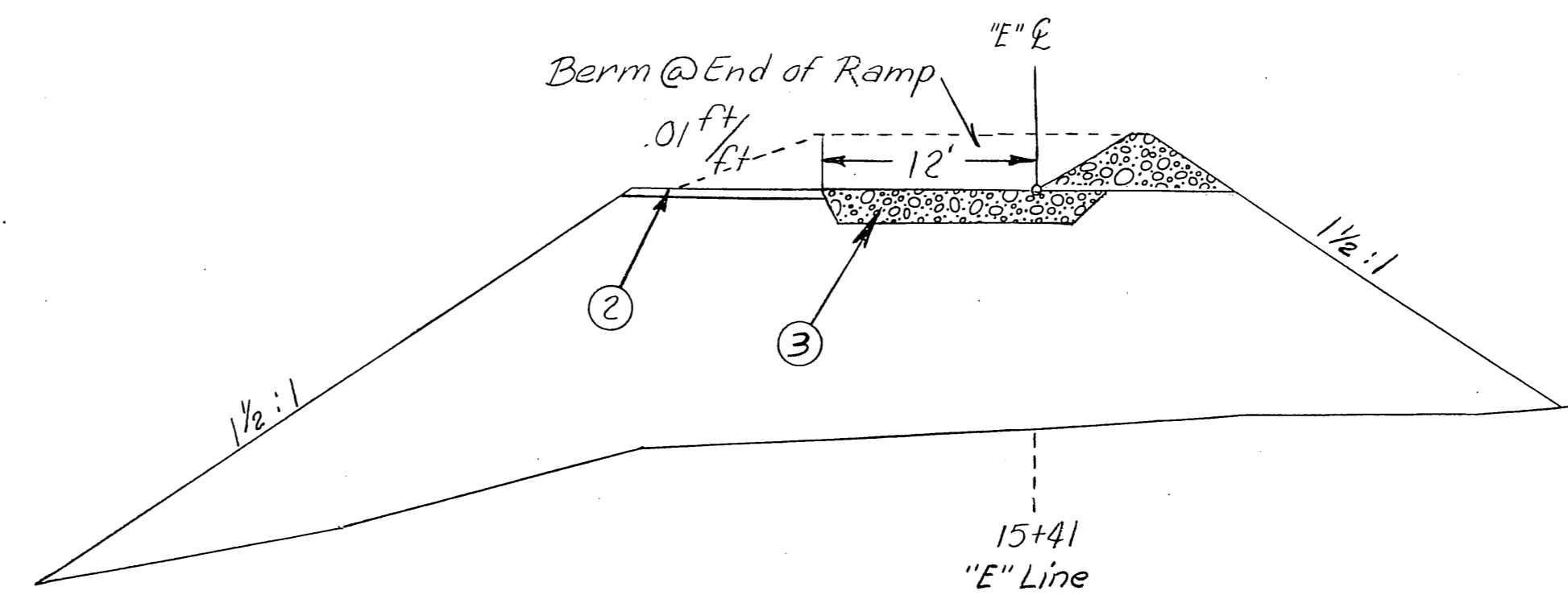
PROFILE  
 SURVEYED  
 NOTE BOOK  
 GRADES CHECKED  
 B. M. NOTED  
 STRUCTURE NOTING CHK'D  
 NO.

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	AL S-0999(12)	1974	28	47 48

EMERGENCY ESCAPE  
RAMP DETAILS  
STA. "O" 445 ±



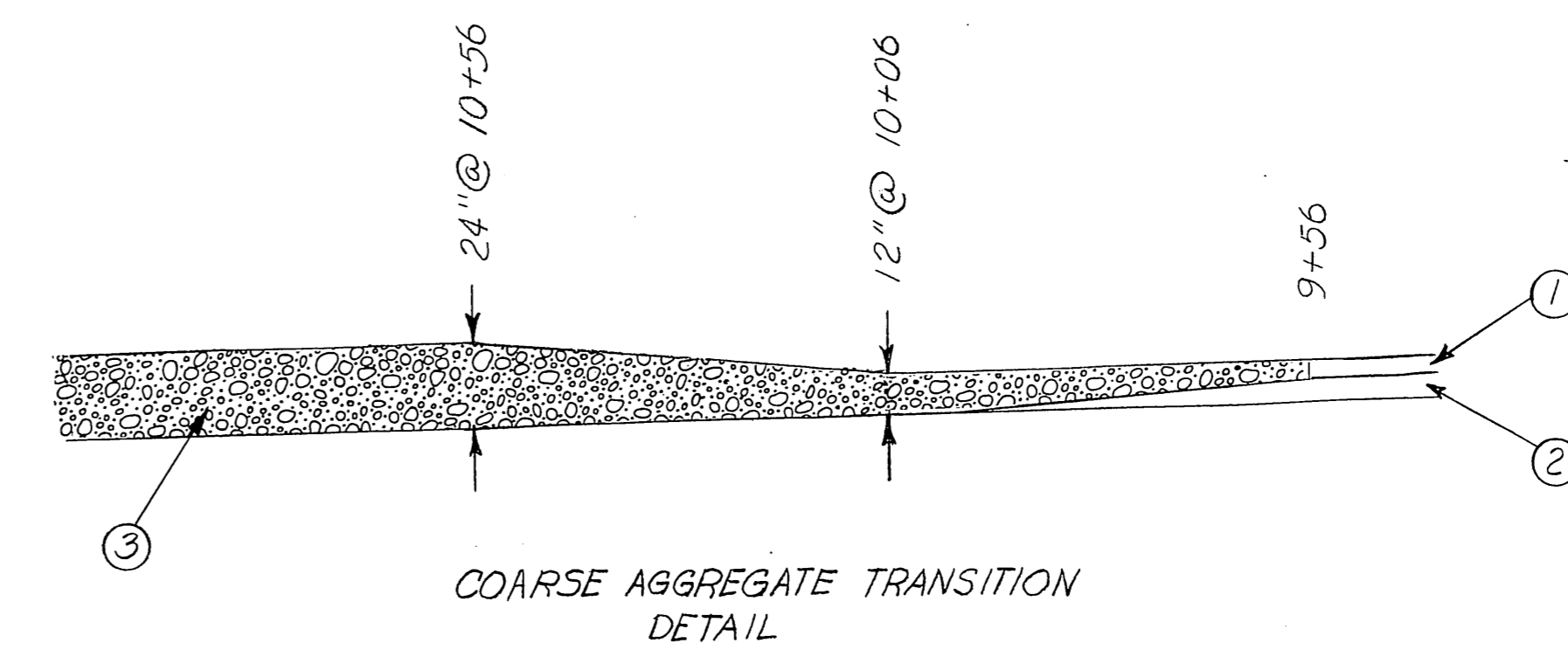
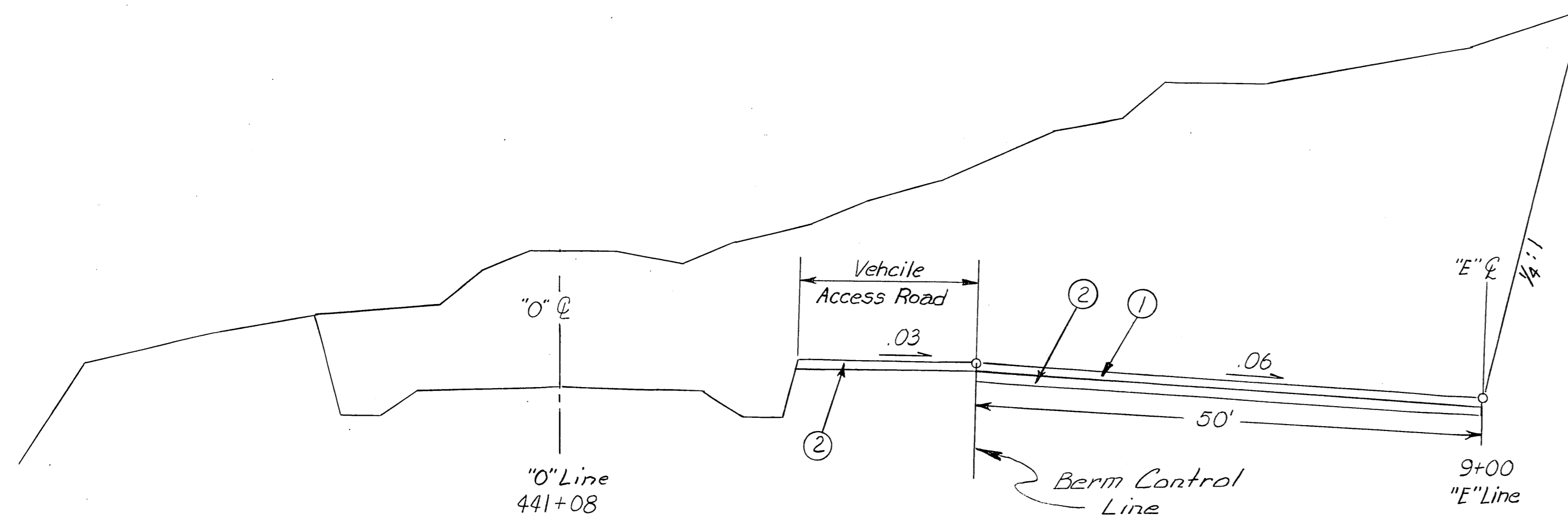
TYPICAL SECTION  
"E" STA. 10+46 to "E" STA. 14+42



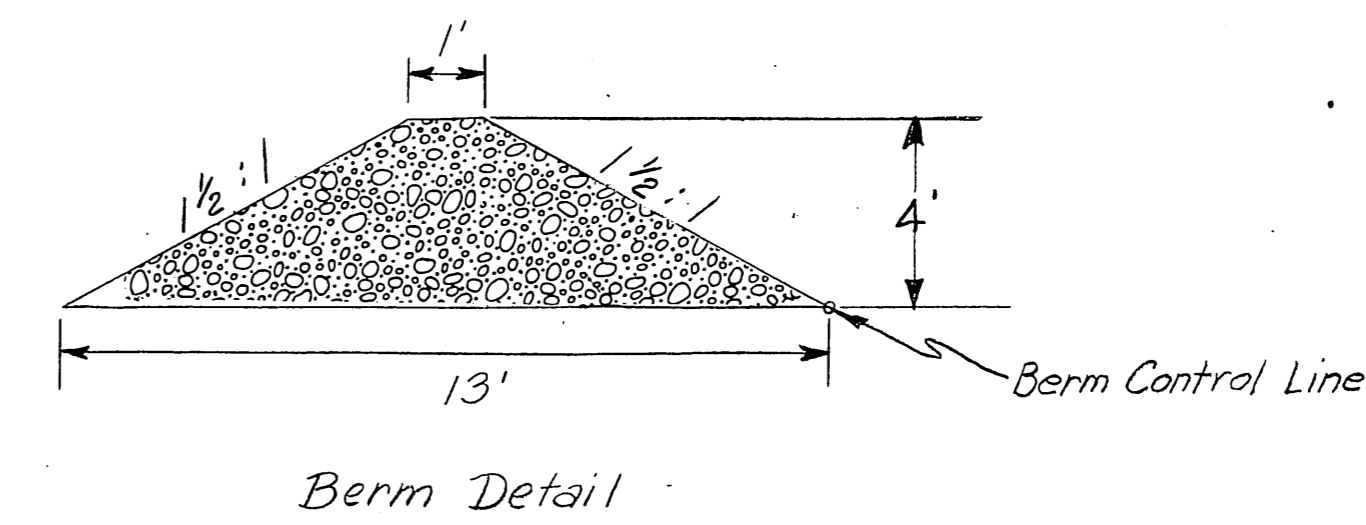
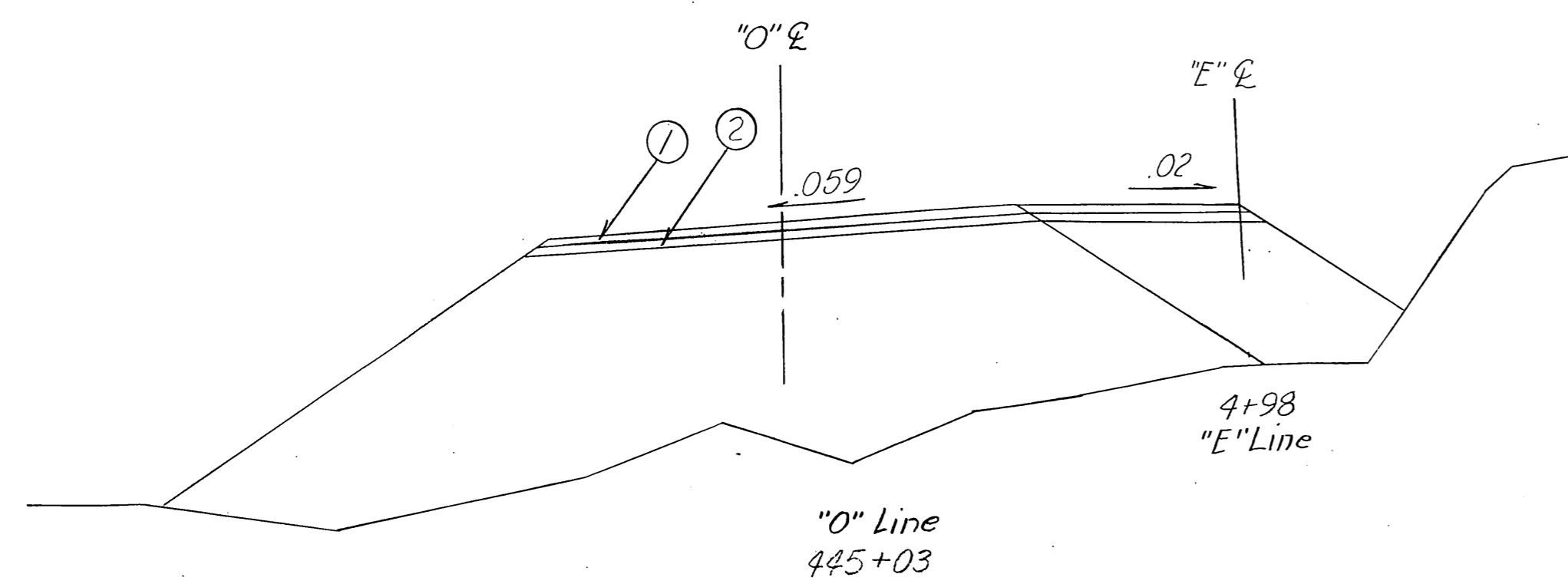
LABEL INDEX

- ① 6" Subbase Grading "D"
- ② 6" Subbase Grading "A"
- ③ 2' Coarse Aggregate

Notes: Transition uniformly the Vehicle Access Road Surfacing from ① and ② At "E" Sta. 8+45 to ③ At "E" Sta. 9+00



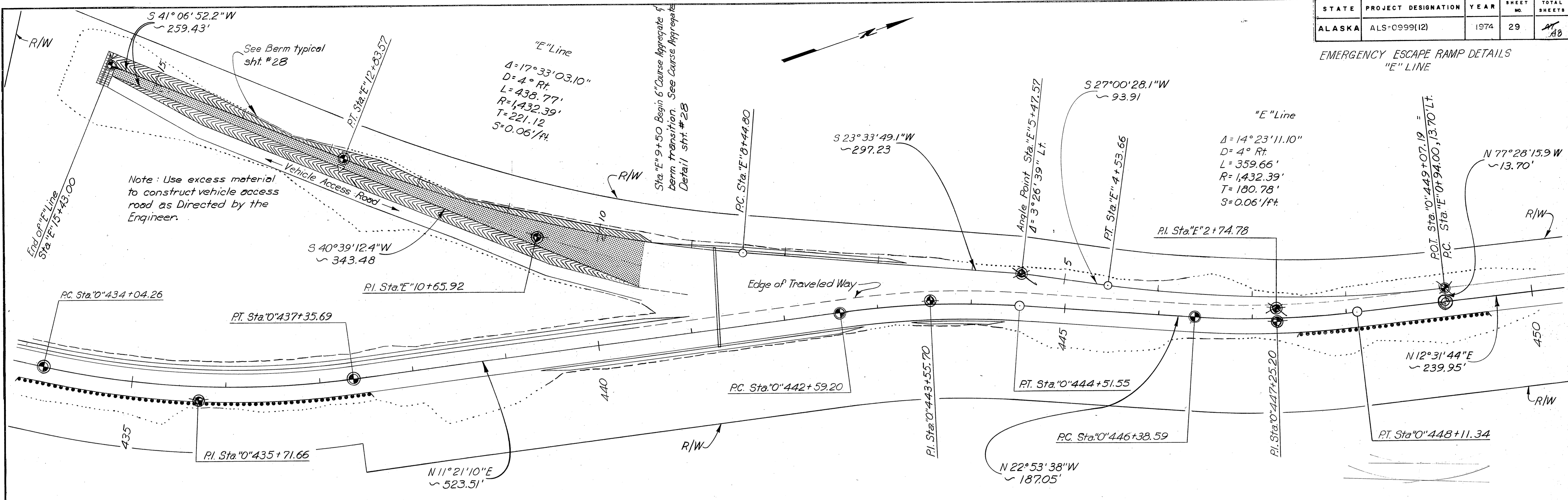
COARSE AGGREGATE TRANSITION  
DETAIL



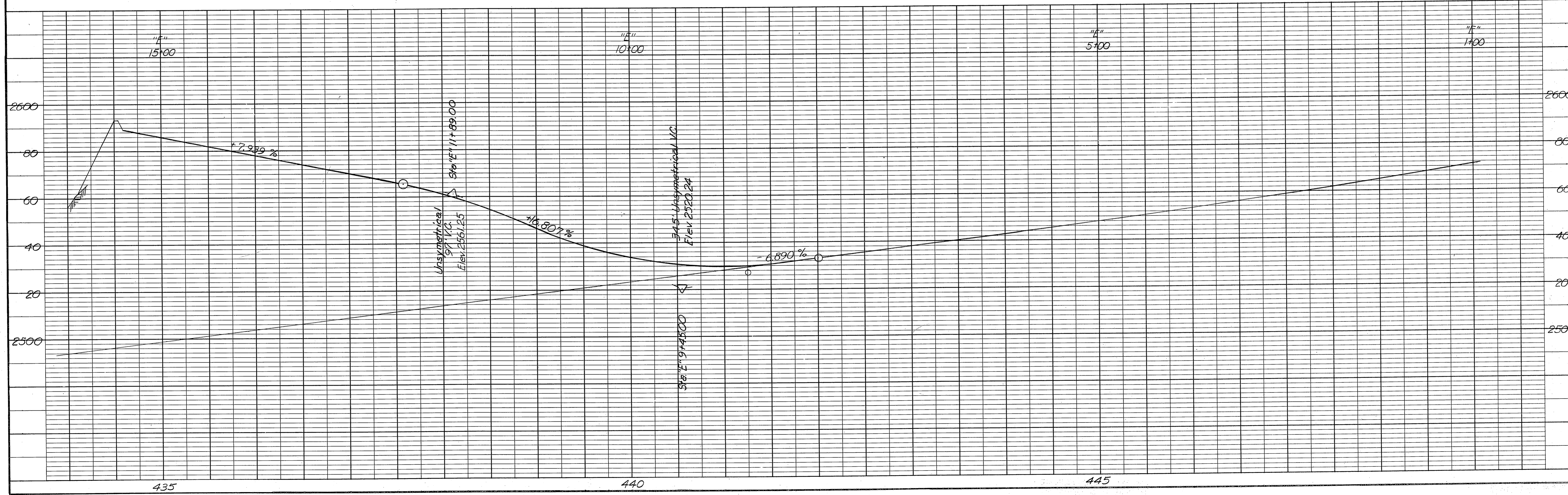
Berm Detail

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	ALS-0999(12)	1974	29	AT AB

EMERGENCY ESCAPE RAMP DETAILS  
"E" LINE

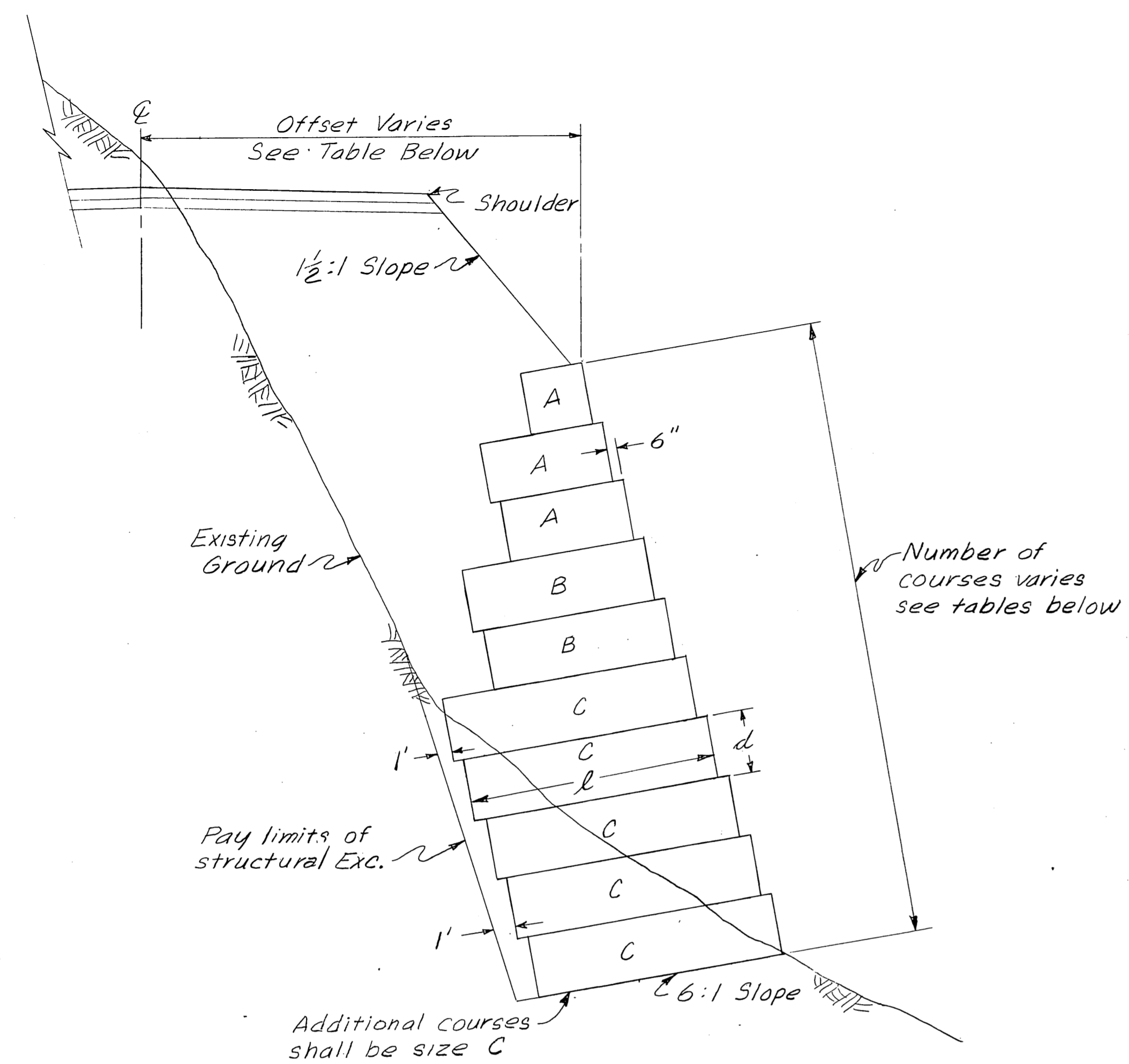


PLAN	DATE
SURVEYED	
PLOTTED	
NOTE BOOK	
ALIGNED CHECKED	
RT. OF WAY CHECKED	
NO.	

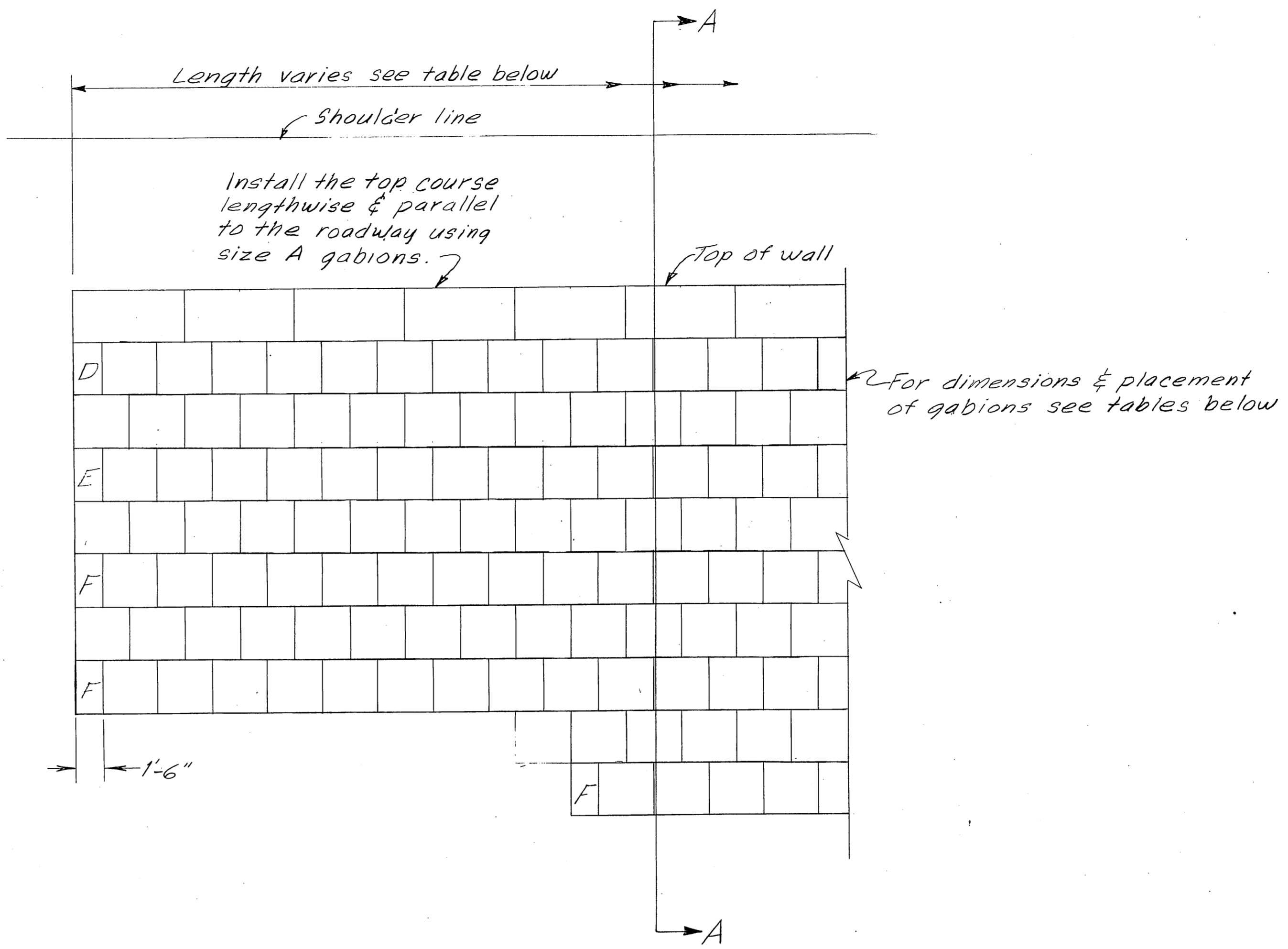


PROFILE	DATE
SURVEYED	
PLOTTED	
NOTE BOOK	
STRUCTURE NOTATIONS CHK'D.	
NO.	

### GABION WALL DETAILS



SECTION A-A



ELEVATION

GABION WALLS						
STATION		No. Courses	Structural Exc. C.Y.	Gabion C.Y.	Length Gabions	
From	To					
"0" 114+54	"0" 114+81	4				
"0" 114+81	"0" 115+01	5				
"0" 115+01	"0" 115+18	6				
"0" 115+18	"0" 115+37	7				
"0" 115+37	"0" 115+60	8				
"0" 115+60	"0" 115+80	9				
"0" 115+80	"0" 116+00	10	1211	2792	285	
"0" 116+00	"0" 116+31	11				
"0" 116+31	"0" 116+69	12				
"0" 116+69	"0" 116+97	13				
"0" 116+97	"0" 117+11	14				
"0" 117+11	"0" 117+22	15				
"0" 117+22	"0" 117+39	16				
"0" 145+80	"0" 146+40	4	67	140	60	
"0" 175+25	"0" 176+15	3	87	120	90	
"0" 186+80	"0" 187+45	5	125	215	65	
"0" 207+65	"0" 208+46	3	77	108	81	
"0" 211+12	"0" 212+02	9	279	779	90	
"0" 392+24	"0" 393+53	7	466	775	129	
"0" 514+44	"0" 514+56	2	12	36	33	
"0" 514+56	"0" 514+77	3				
Total			2324	4965		

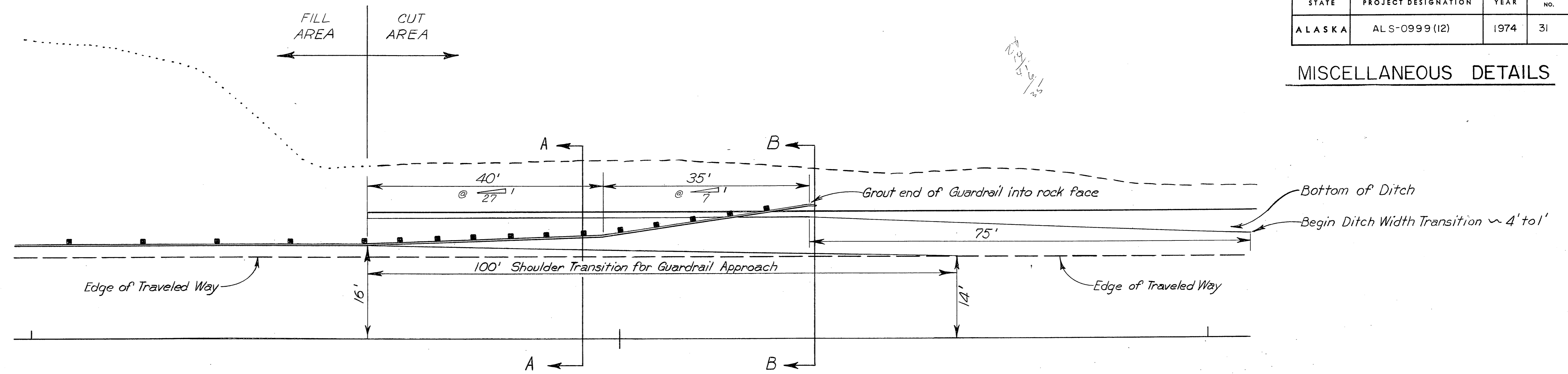
NOMINAL GABION SIZES	
SIZE	Nominal Dim. L x W x d
A	6' x 3' x 3'
B	9' x 3' x 3'
C	12' x 3' x 3'
D	6' x 1.5' x 3'
E	9' x 1.5' x 3'
F	12' x 1.5' x 3'

NOTE

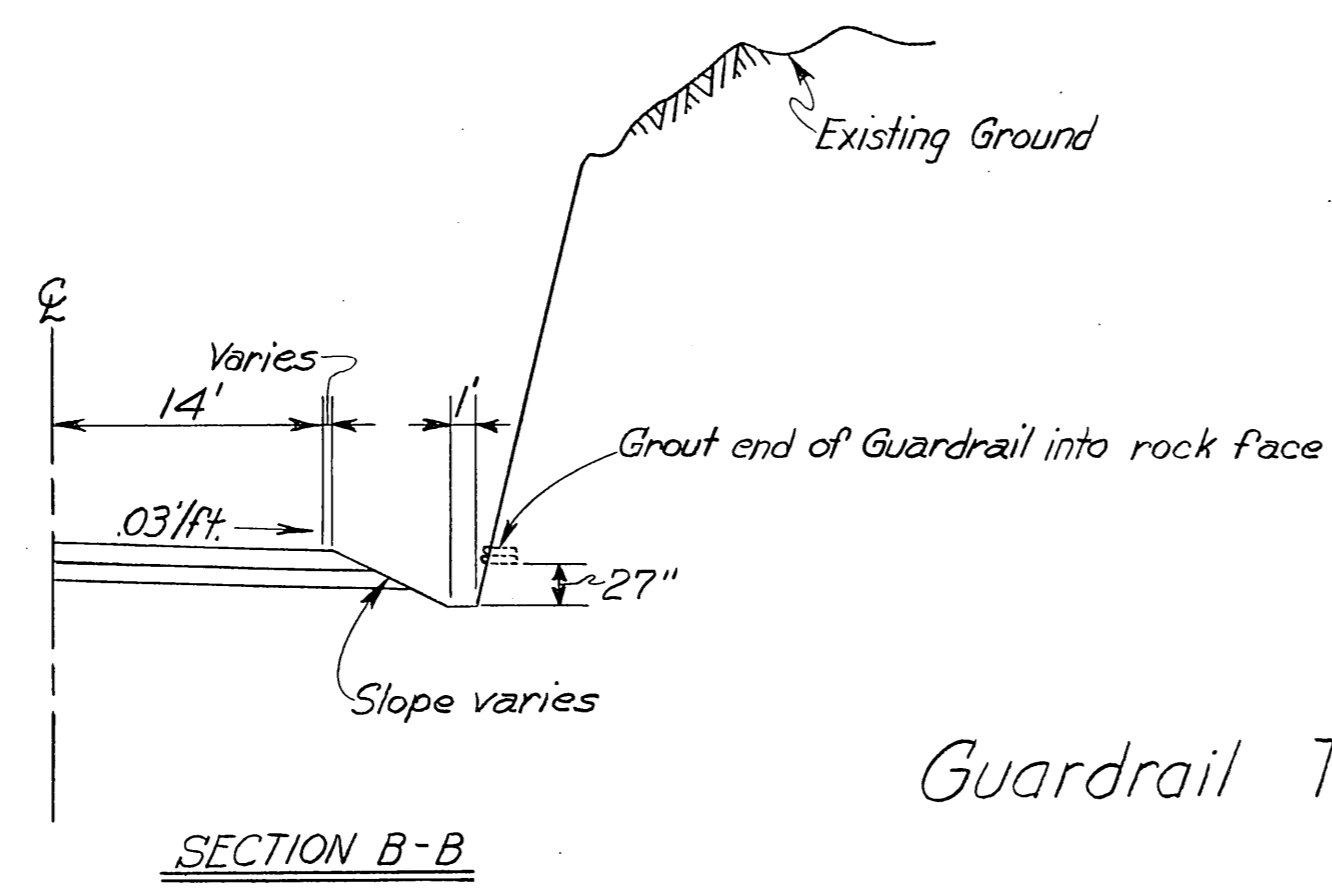
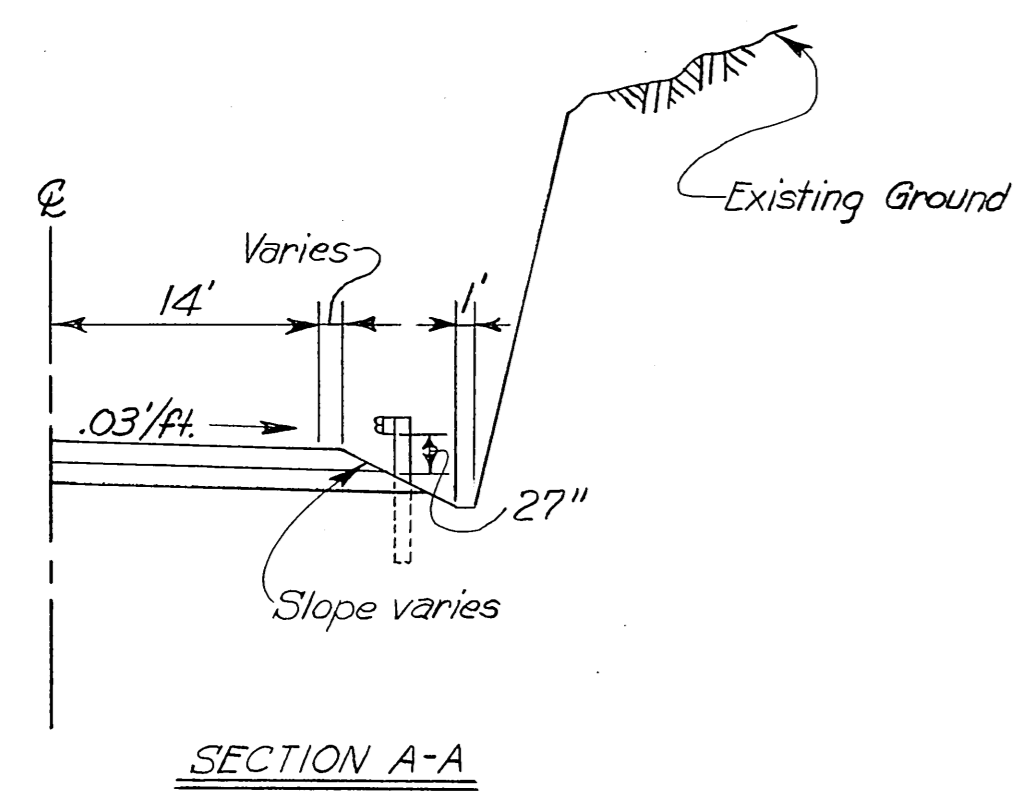
- The elevation at the bottom of the Gabion Walls shall be considered approximate. In the event the project engineer deems it necessary to secure a more satisfactory foundation, he may change the dimensions and/or elevations of the gabion walls.
- Field slopes through Gabion areas will be 1/2:1.

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	ALS-0999 (12)	1974	31	48

MISCELLANEOUS DETAILS

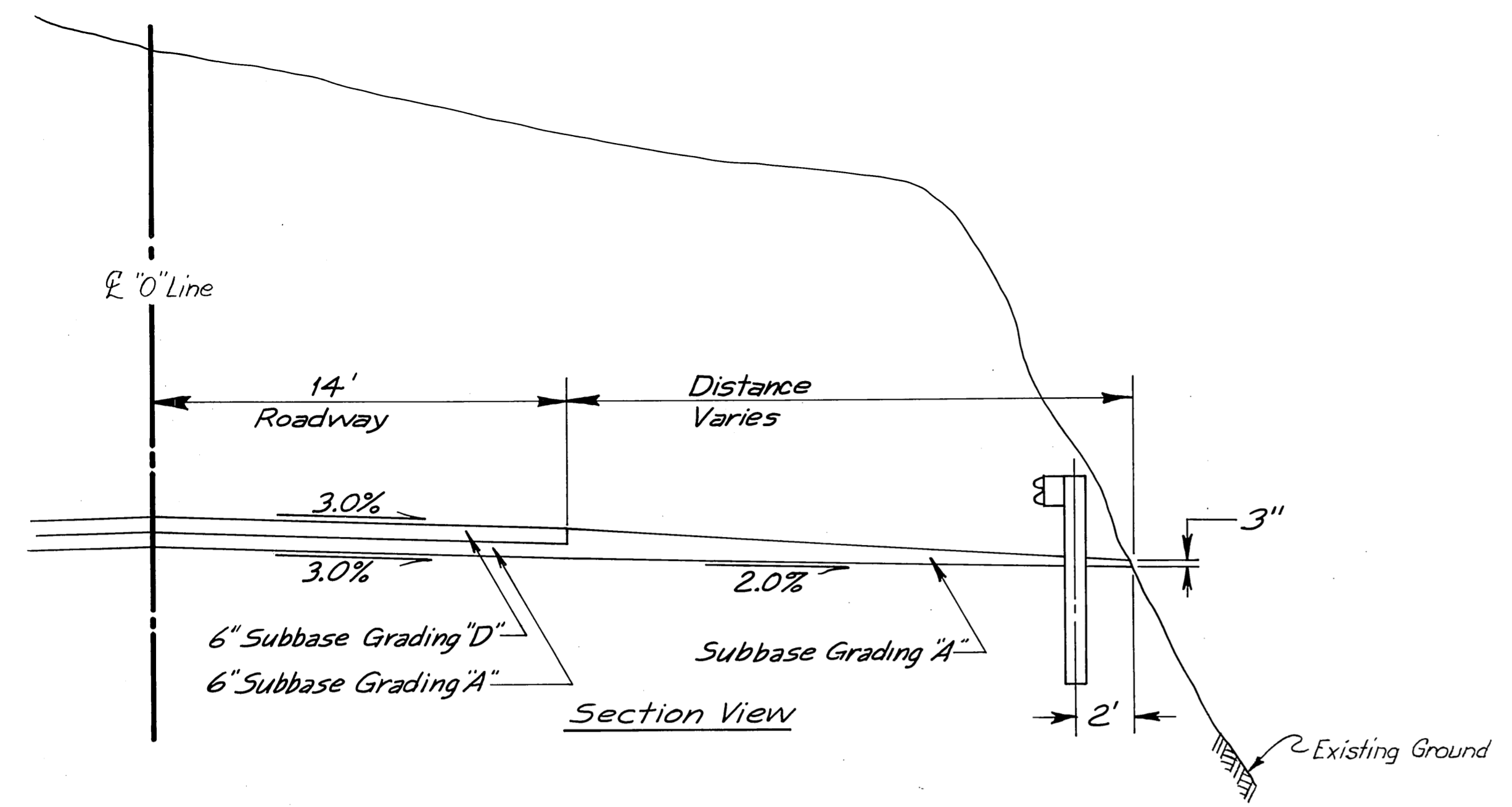


PLAN

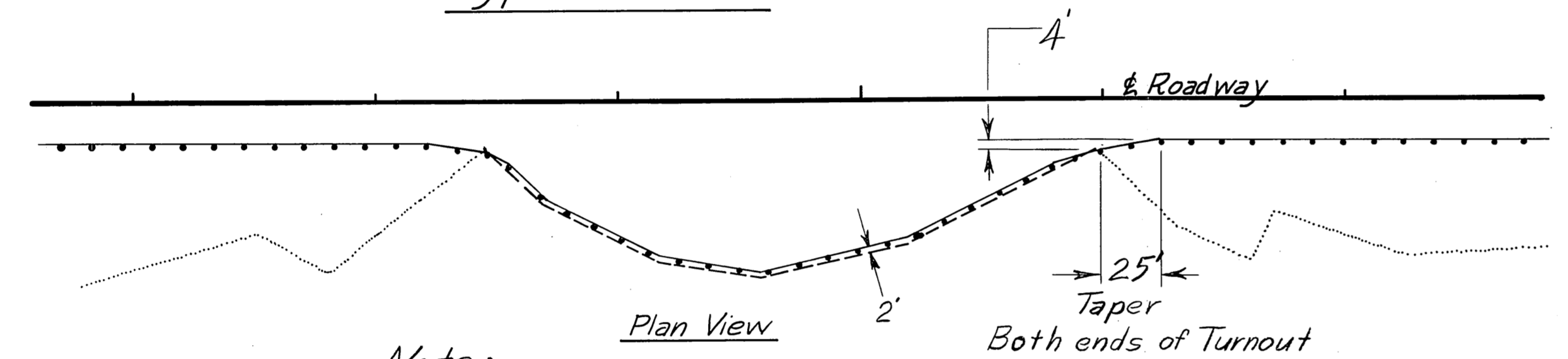


Guardrail Transition & Guardrail End Burial Details  
Cut to Fill Sections

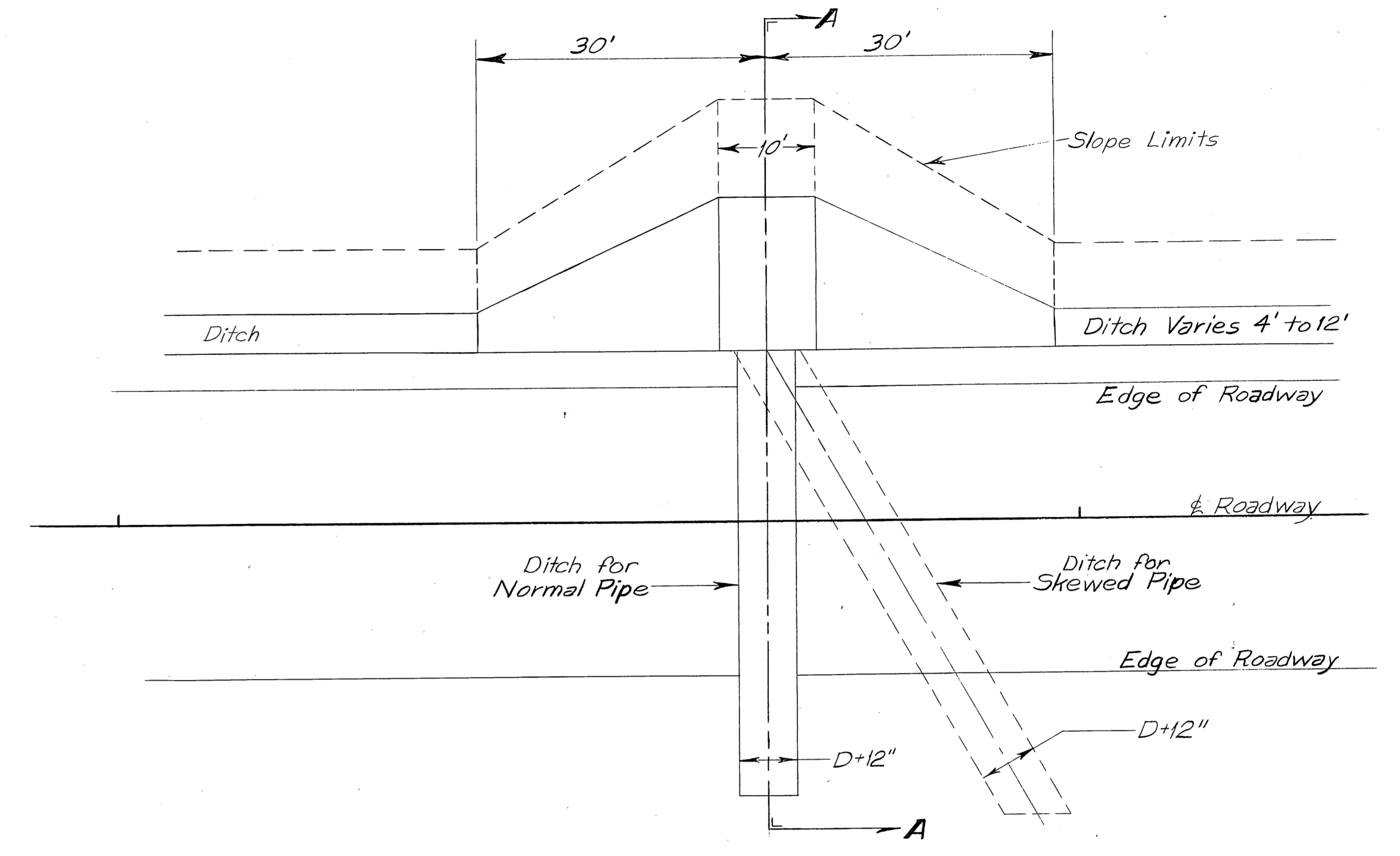
MISCELLANEOUS DETAILS



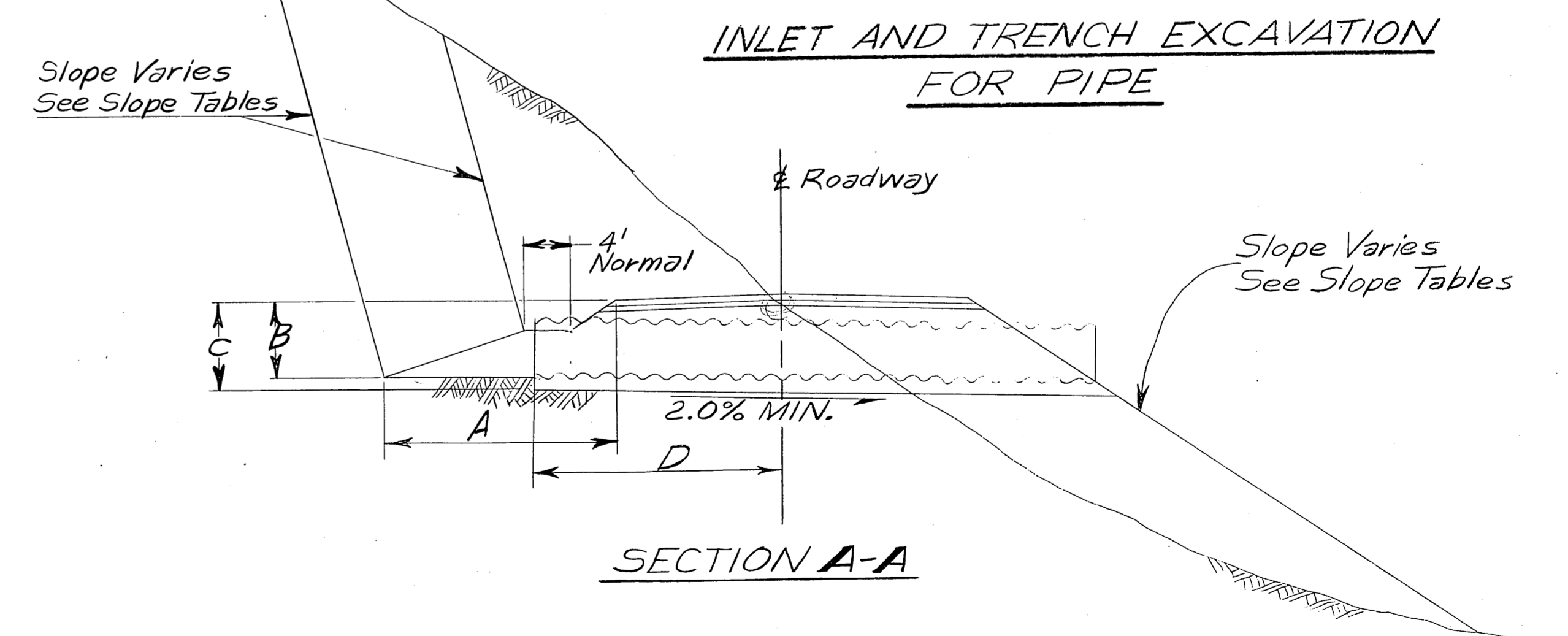
Typical Turnout



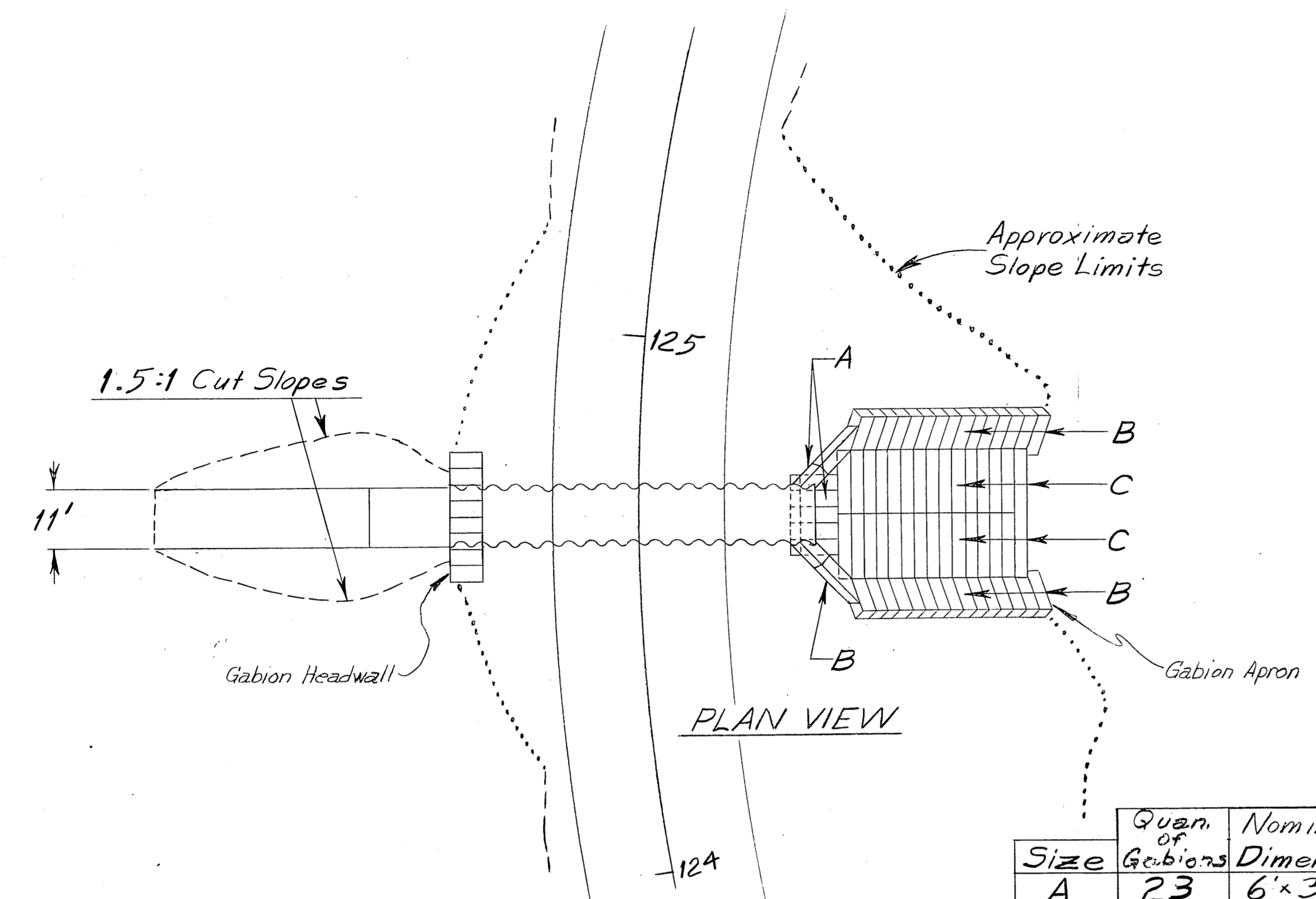
Note:  
 Subbase Grading "A" will be required:  
 a. At specified turnouts. (See Guardrail Summary)  
 b. At daylight sections where no guardrail is specified



Pipe Size "D"	"A"	"B"	"C"	"D"
24"	16.75'	4.5'	5.5'	20.75'
36"	18.25'	5.5'	6.5'	22.25'
48"	19.75'	6.5'	7.5'	23.75'
60"	21.25'	7.5'	8.5'	25.75'



DRAINAGE DETAILS

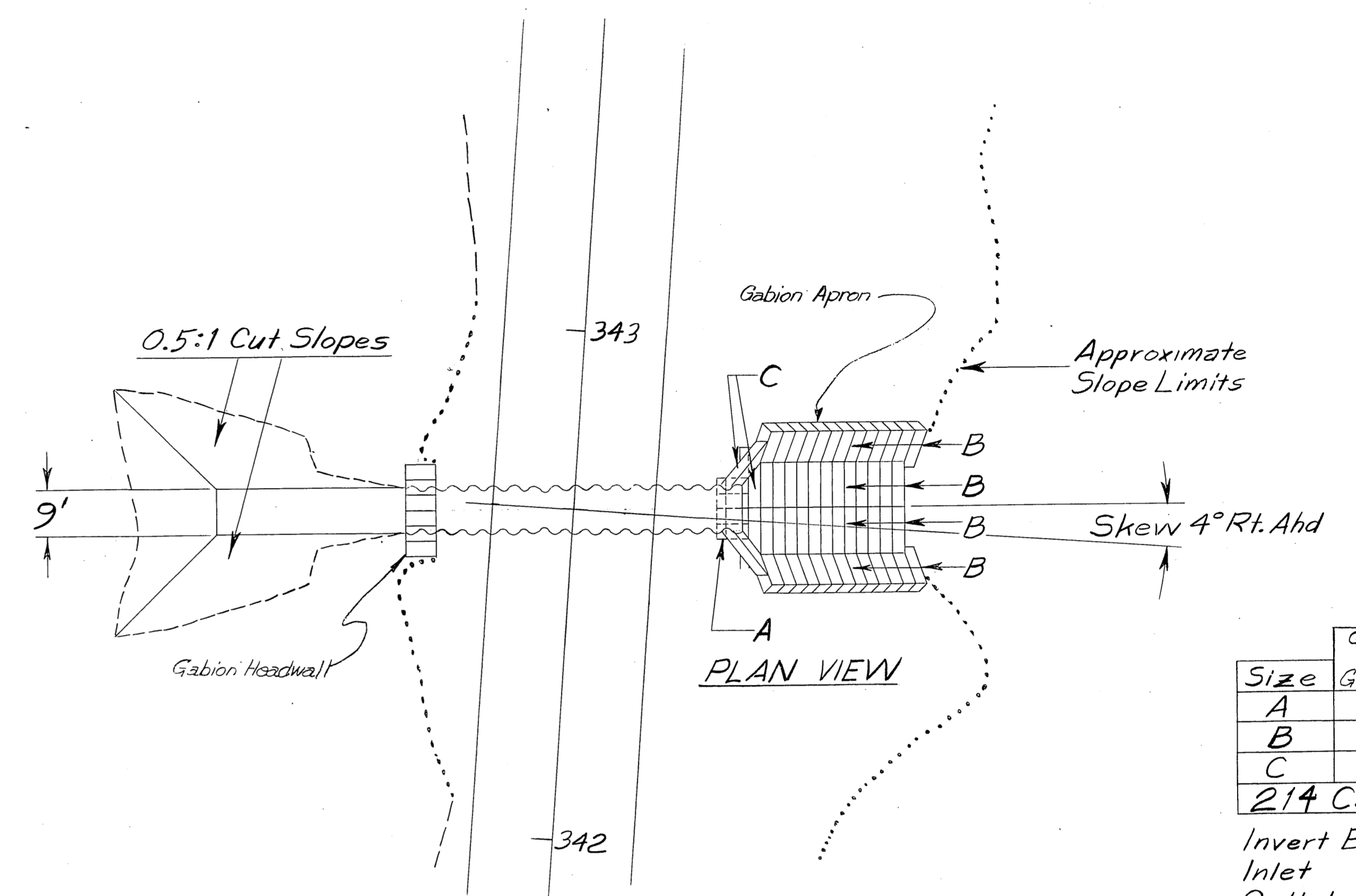
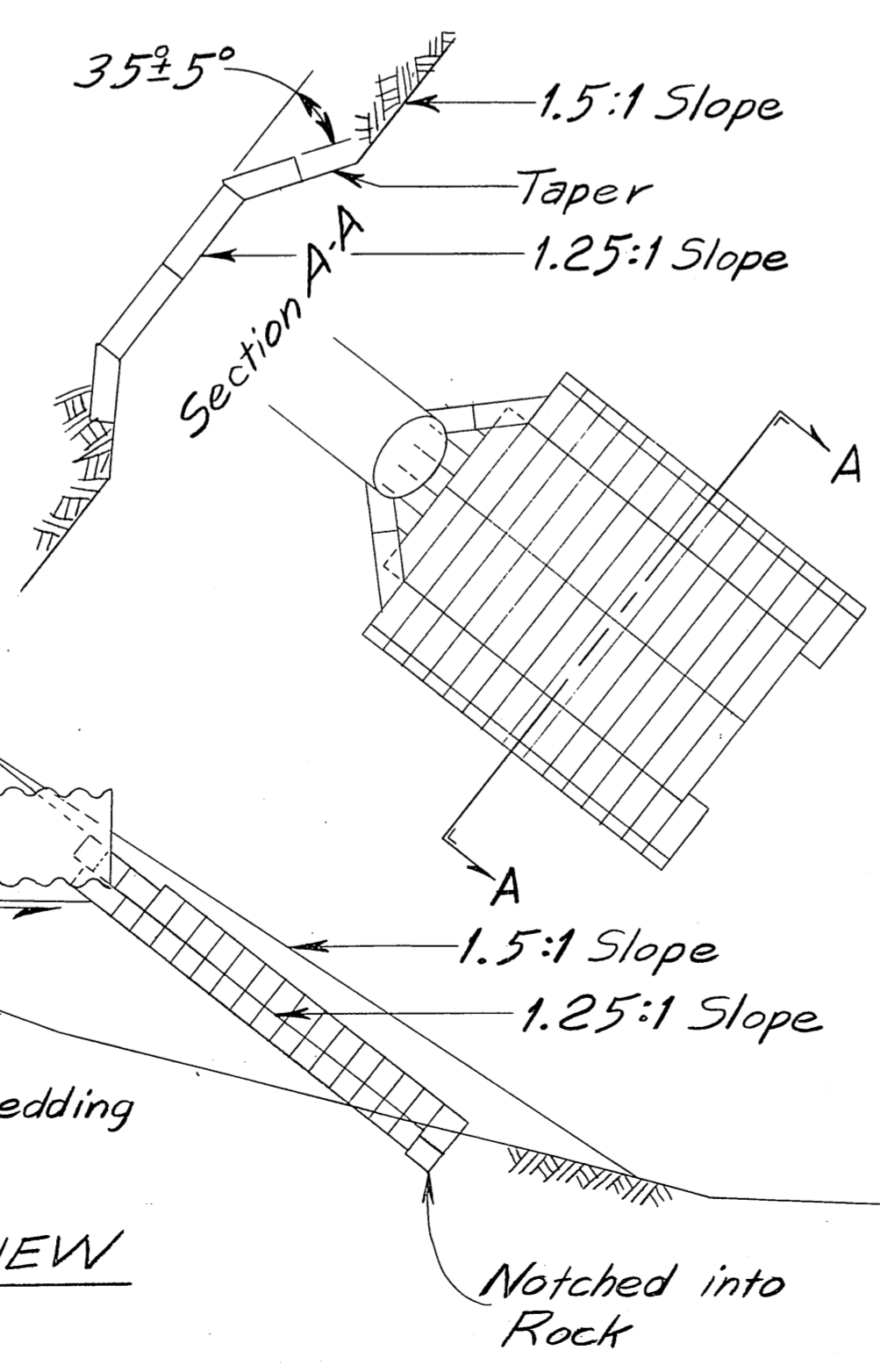
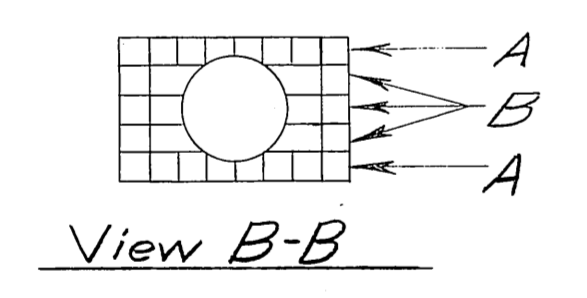


Installation Detail  
11' Dia. x 68' S.P.P.  
Sta. "0" 124+66.50

Size	Quan. of Gabions	Nominal Dimensions
A	23	6' x 3' x 3'
B	44	9' x 3' x 3'
C	30	12' x 3' x 3'
298 Cu. Yds. Total		

Invert Elevations  
Inlet 639.00  
Outlet 637.64

Design Data  
D.A. = 3.3 Mi<sup>2</sup>  
Q<sub>50</sub> = 900 CFS  
D.H.W. = 650.0  
V<sub>max</sub> = 18 fps

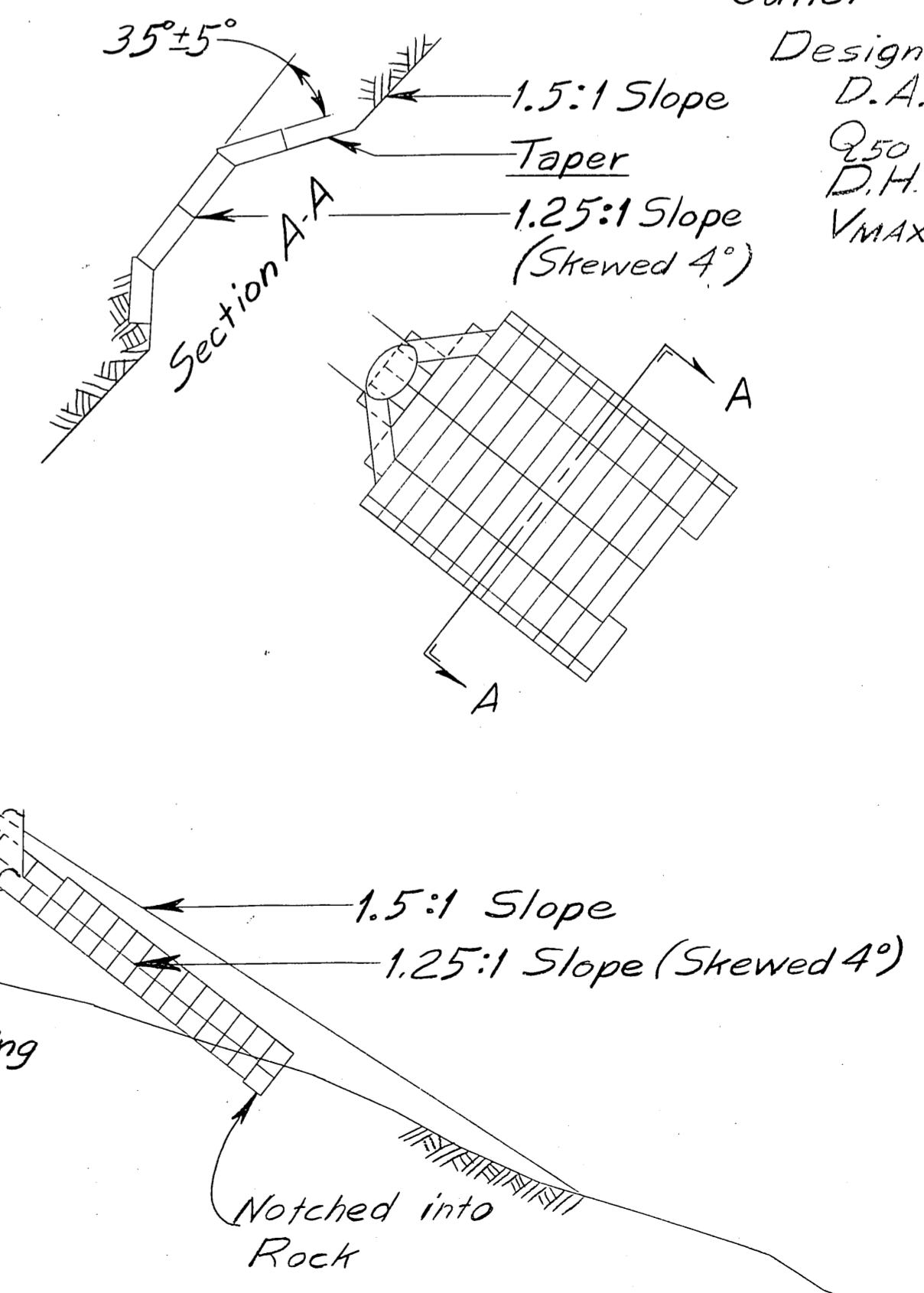
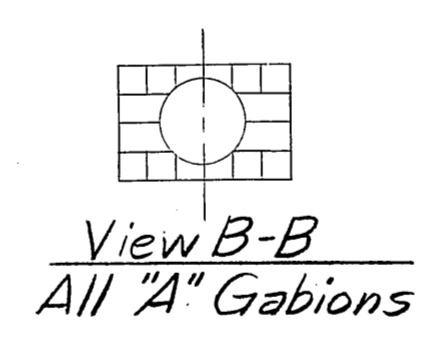


Installation Detail  
9' Dia. x 66' S.P.P.  
Sta. "0" 342+65  
Skew 4° Rt. Ahd.

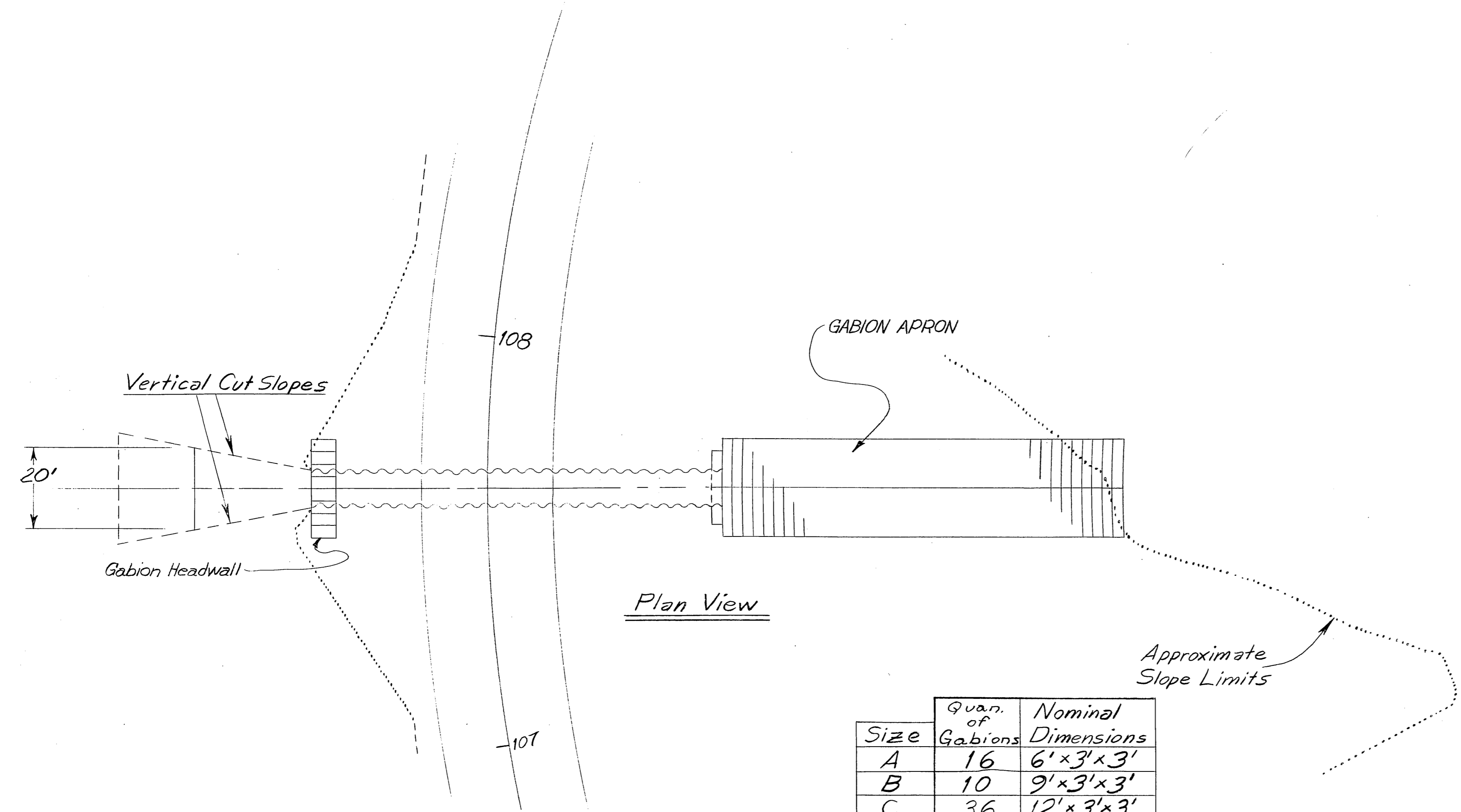
Size	Quan. of Gabions	Nominal Dimensions
A	24	6' x 3' x 3'
B	50	9' x 3' x 3'
C	4	12' x 3' x 3'
214 Cu. Yds. Total		

Invert Elevations  
Inlet 1834.00  
Outlet 1832.68

Design Data:  
D.A. = 1.6 Mi<sup>2</sup>  
Q<sub>50</sub> = 500 CFS  
D.H.W. = 1843.0  
V<sub>max</sub> = 16 fps



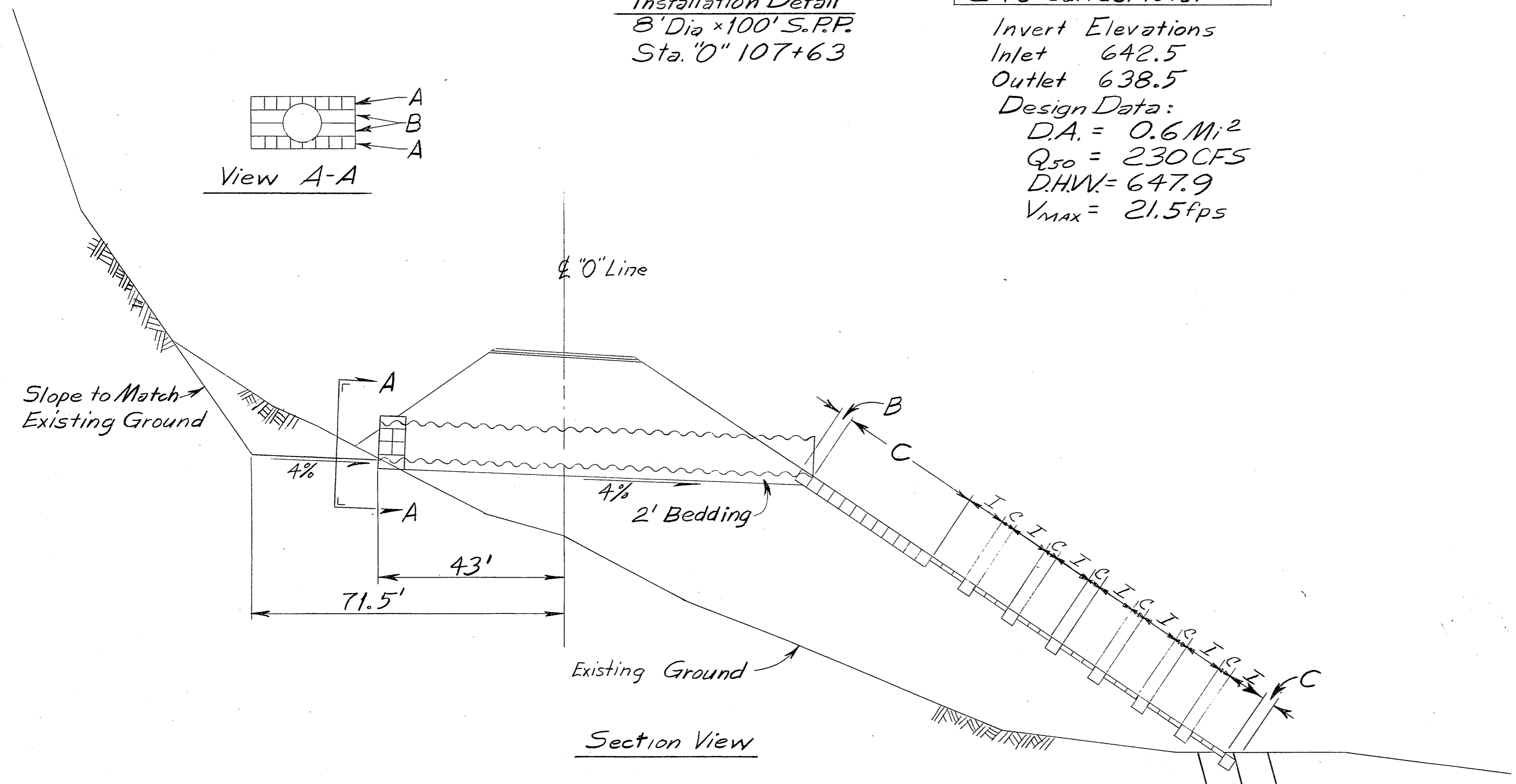
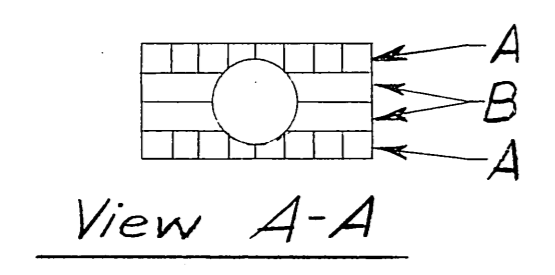
DRAINAGE DETAILS



Size	Quan. of Gabions	Nominal Dimensions
A	16	6' x 3' x 3'
B	10	9' x 3' x 3'
C	36	12' x 3' x 3'
I	42	12' x 3' x 1'
246 Cu. Yds. Total		

Installation Detail  
8' Dia x 100' S.P.P.  
Sta. "0" 107+63

Invert Elevations  
Inlet 642.5  
Outlet 638.5  
Design Data:  
D.A. = 0.6 Mi.<sup>2</sup>  
Q<sub>50</sub> = 230 CFS  
DHW = 647.9  
V<sub>max</sub> = 21.5 fps

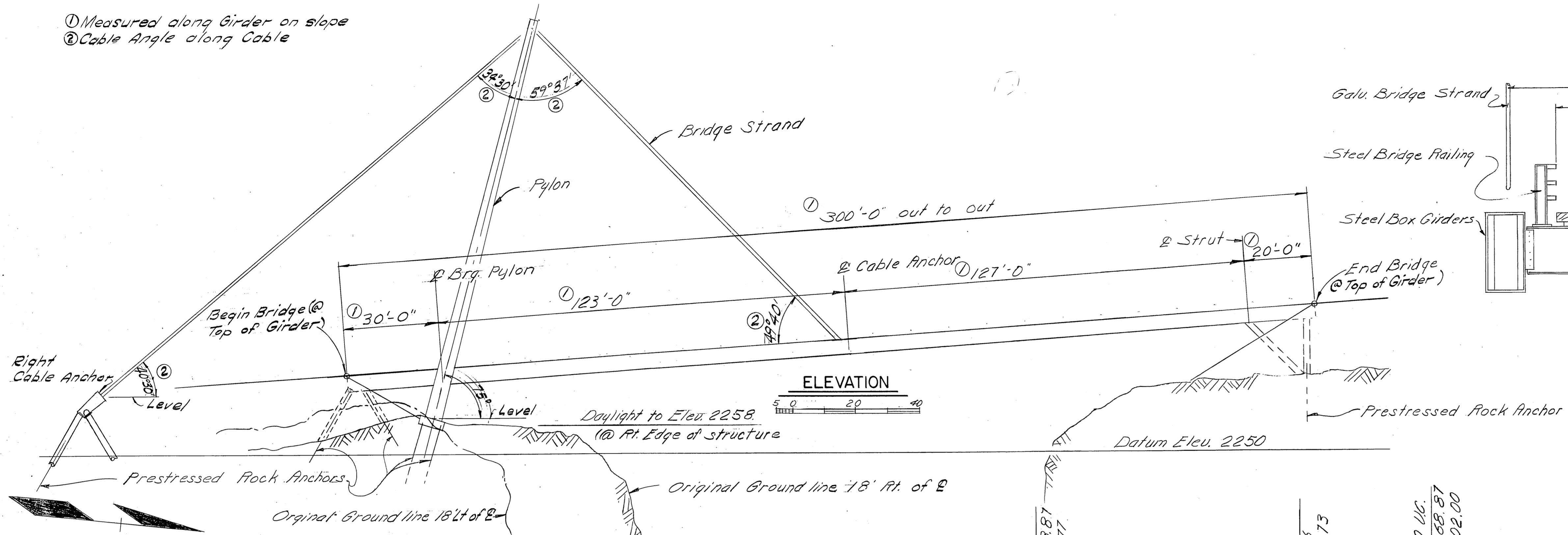


Drill 3 Rows of Holes,  
10 feet Deep, Spaced  
8 feet apart. Blast to fluff Rock.

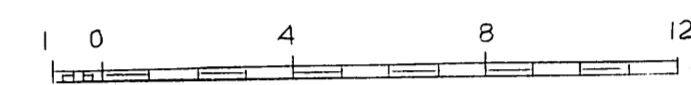


STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	ALS-0999 (12)	1974	36	48

① Measured along Girder on slope  
 ② Cable Angle along Cable

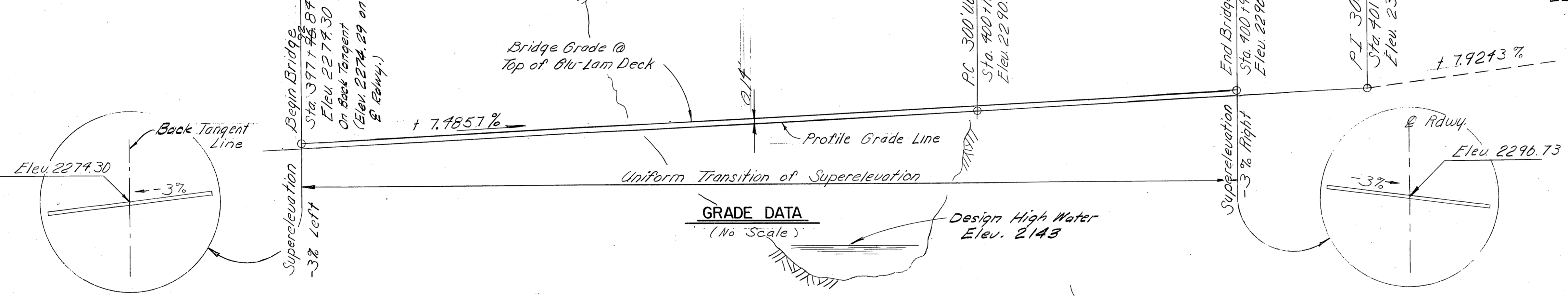


**TYPICAL SECTION**



**GEOMETRIC CONTROL**

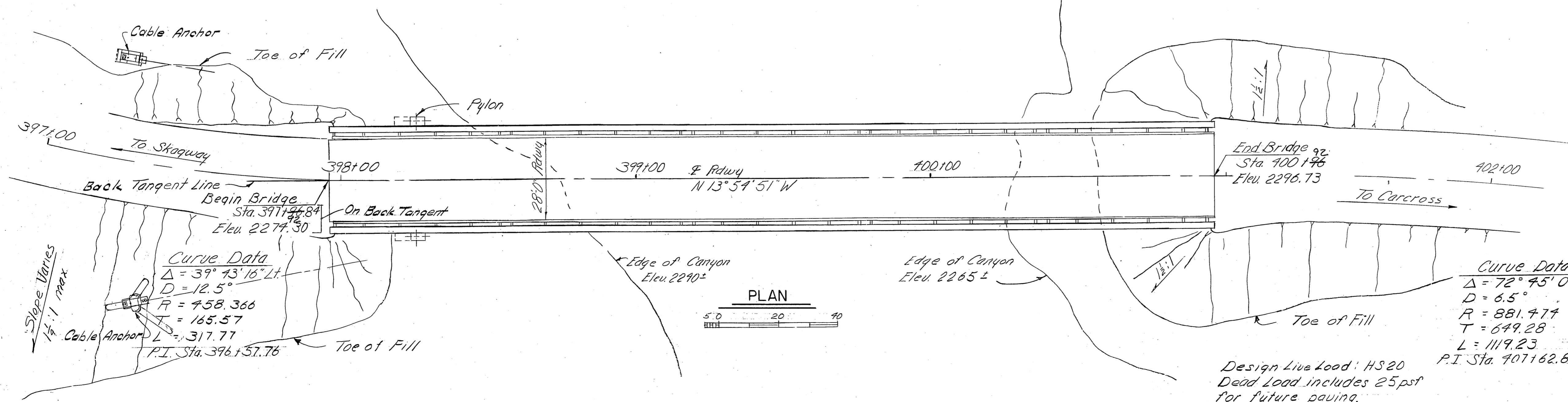
Bridge Stations, Elevations & Dimensions are based on the following four control points. Begin Bridge @ top of girder flanges (17'-3" Left & Right of back tangent line, Sta. 497+96.84, Elevation 2274.20) & End Bridge @ top of girder flanges (17'-3" Left & Right of E Roadway, Sta. 400+96.00, Elevation 2296.59.



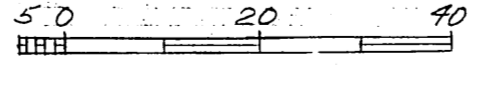
**Sheet Index**

General Layout	3187
Site Plan	3188
Girder Supports	3189
Girder Support Connections	3190
Pylon Base	3191
Pylon	3192
Cable Anchors	3193
Typical Section	3194
Girders	3195
Deck Panels	3196
Railing	3197
Erection Sequence	3198

The following standard drawings apply to this bridge G-09.00, G-10.00 & G-30.00



**PLAN**



**Curve Data**  
 $\Delta = 72^\circ 45' 0''$  Rt.  
 $D = 6.5'$   
 $R = 881.474$   
 $T = 649.28$   
 $L = 1119.23$   
 P.I. Sta. 401+62.89

Design Live Load: HS 20  
 Dead Load includes 25 psf for future paving.

**CAPT. WILLIAM MOORE CREEK**  
**ROUTE NO. S-999**  
**GENERAL LAYOUT**

State of Alaska  
**DEPARTMENT OF HIGHWAYS**  
 Juneau, Alaska



Date 7-18-74  
 Approved [Signature]

BRIDGE NO. 1304  
 DWNG. NO. 3187

Designed By: [Signature]  
 Checked By: [Signature]  
 Drawn By: [Signature]  
 Checked By: [Signature]  
 Traced By: [Signature]

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	ALS-0899(12)	1974	37A	47

GENERAL NOTES

**Specifications**  
 Design: A. A. S. H. O., Standard Specifications for Highway Bridges, 1969 Edition with latest interim specifications, except wheel load distributed in accordance with Forest Products Laboratory recommendations.  
 Construction: State of Alaska Standard Specifications for Highway Construction 1972 and Special Provisions.

**Live Load:** HS 20-44  
**Dead Load:** Includes 25 psf allowance for future wearing surface.

**Unit Stresses:**  
 Reinforced Concrete  $f_c = 1200$  psi  $f_s = 20,000$  psi,  $n = 10$   
 Structural Steel  $f_b = 27,000$  psi  
 Timber Deck  $f_b = 1100$  psi

**Concrete:** All concrete shall be Class "AX."  
**Reinforcing Steel:** All reinforcing steel shall conform to ASTM A615 Grade 40 or 60.  
**Structural Steel:** Unless shown otherwise, all structural steel shall be weathering steel conforming to ASTM A588  
 High strength bolts and electrodes used with weathering steel shall have similar weathering properties.

**Timber:** Deck panels shall be Glued-Laminated Douglas Fir, Combination 2. Other timber shall be #1 Douglas Fir. Deck panels and other timber shall be pressure treated with penta chlorophenol after fabrication (penta HST-0.50 pcf)

**Design Footing Pressure:** 18 tons / sq. ft.

ESTIMATED QUANTITIES			
Item	As Built Quantity	Quantity	Unit
EXTRA END BRIDGE FOOTING EXCAVATION			
Class I Excavation for Structure	314.6	100	Cu. Yd.
Prestressed Rock Anchors (90")	579.5	480	Lin. Ft.
Prestressed Rock Anchors (550 to 710")	295.0	295	Lin. Ft.
Class AX Concrete		70	Cu. Yd.
Structural Steel, furnished, fabricated & erected		452,000	Lbs.
Galvanized Bridge Strand		25,500	Lbs.
Treated Timber		90.9	MBM
Bridge Railing	600.0	600	Lin. Ft.

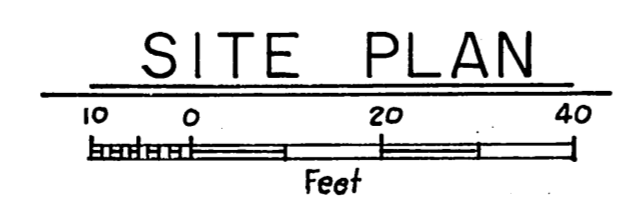
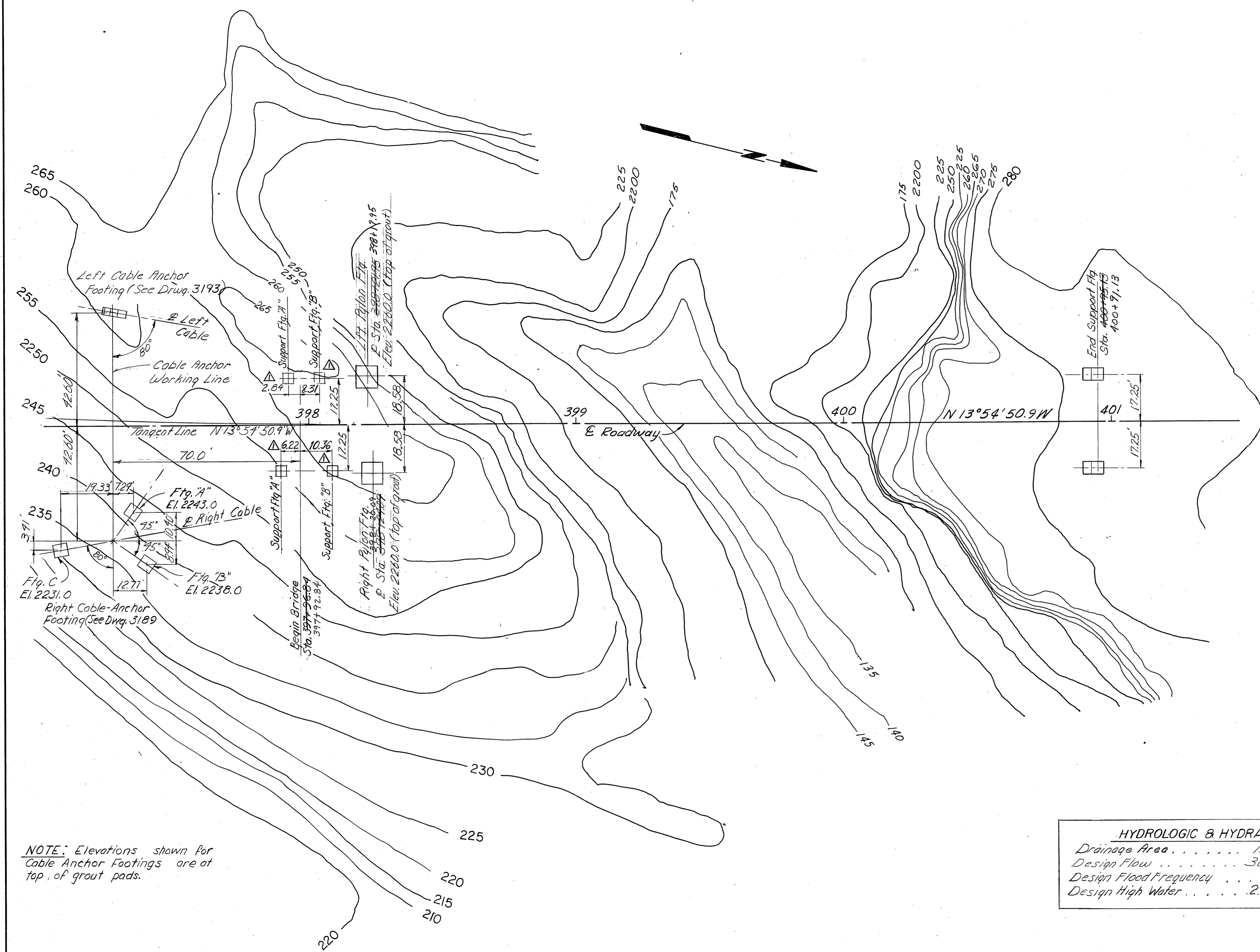
REVISIONS			
△	7-1-74	Dimensions to Begin Bridge Support Col.	GJT

**HYDROLOGIC & HYDRAULIC SUMMARY**  
 Drainage Area . . . . . 12 mi.<sup>2</sup>  
 Design Flow . . . . . 3000 c.f.s.  
 Design Flood Frequency . . . . . 50 yrs.  
 Design High Water . . . . . 2.143'

CAPT. WILLIAM MOORE CREEK  
 ROUTE NO. S-999  
 SITE PLAN

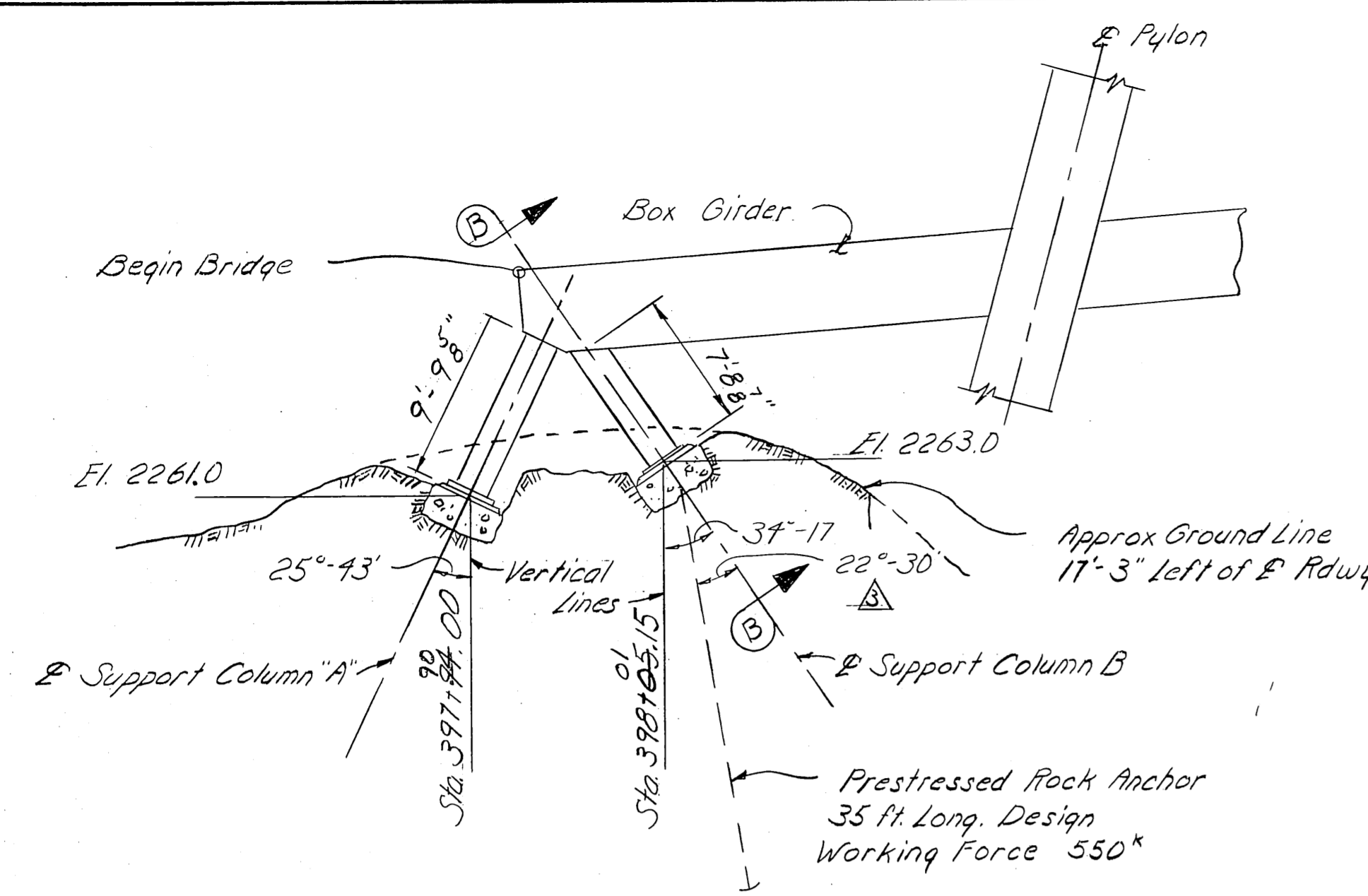
State of Alaska  
**DEPARTMENT OF HIGHWAYS**  
 Juneau, Alaska

Date 7-18-74  
 Approved [Signature]  
 BRIDGE NO. 1304  
 DWNG. NO. 3188A

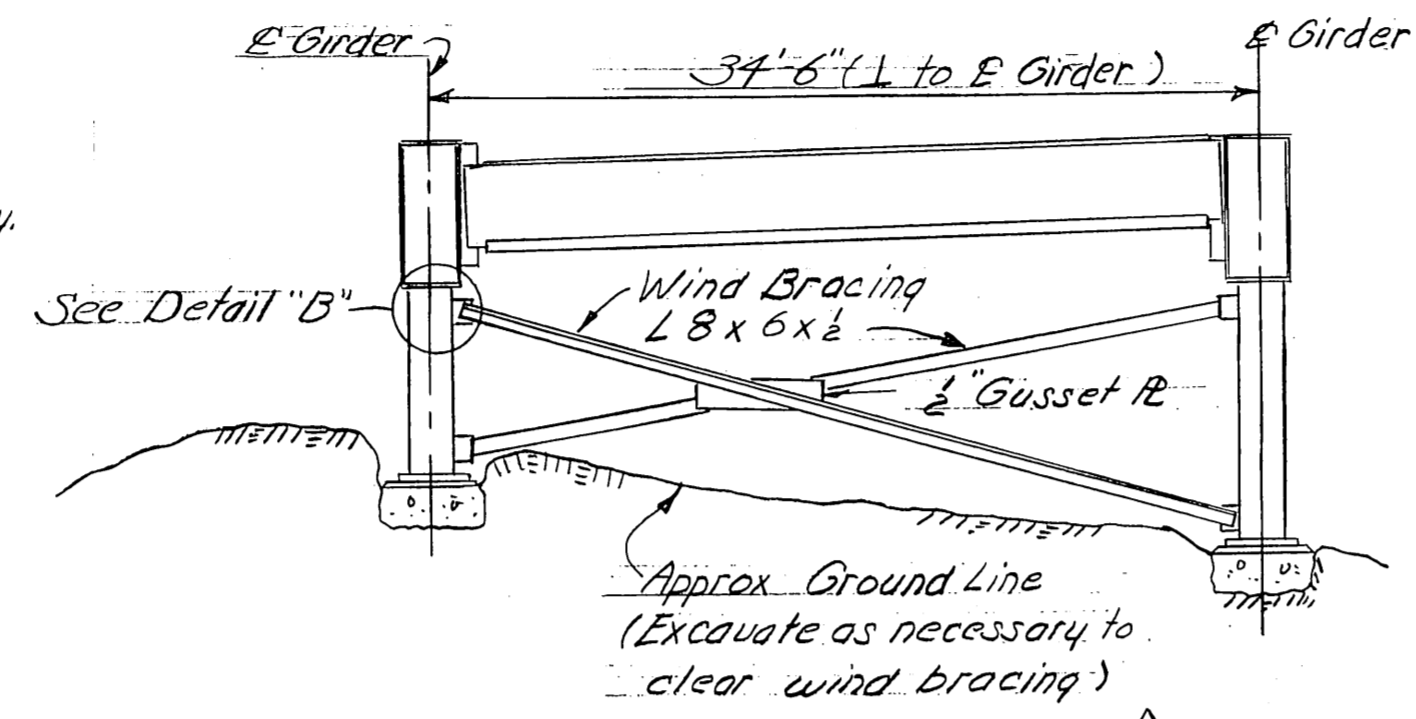


Designed By: [Signature]  
 Checked By: [Signature]  
 Drawn By: [Signature]  
 Checked By: [Signature]  
 Traced By: [Signature]

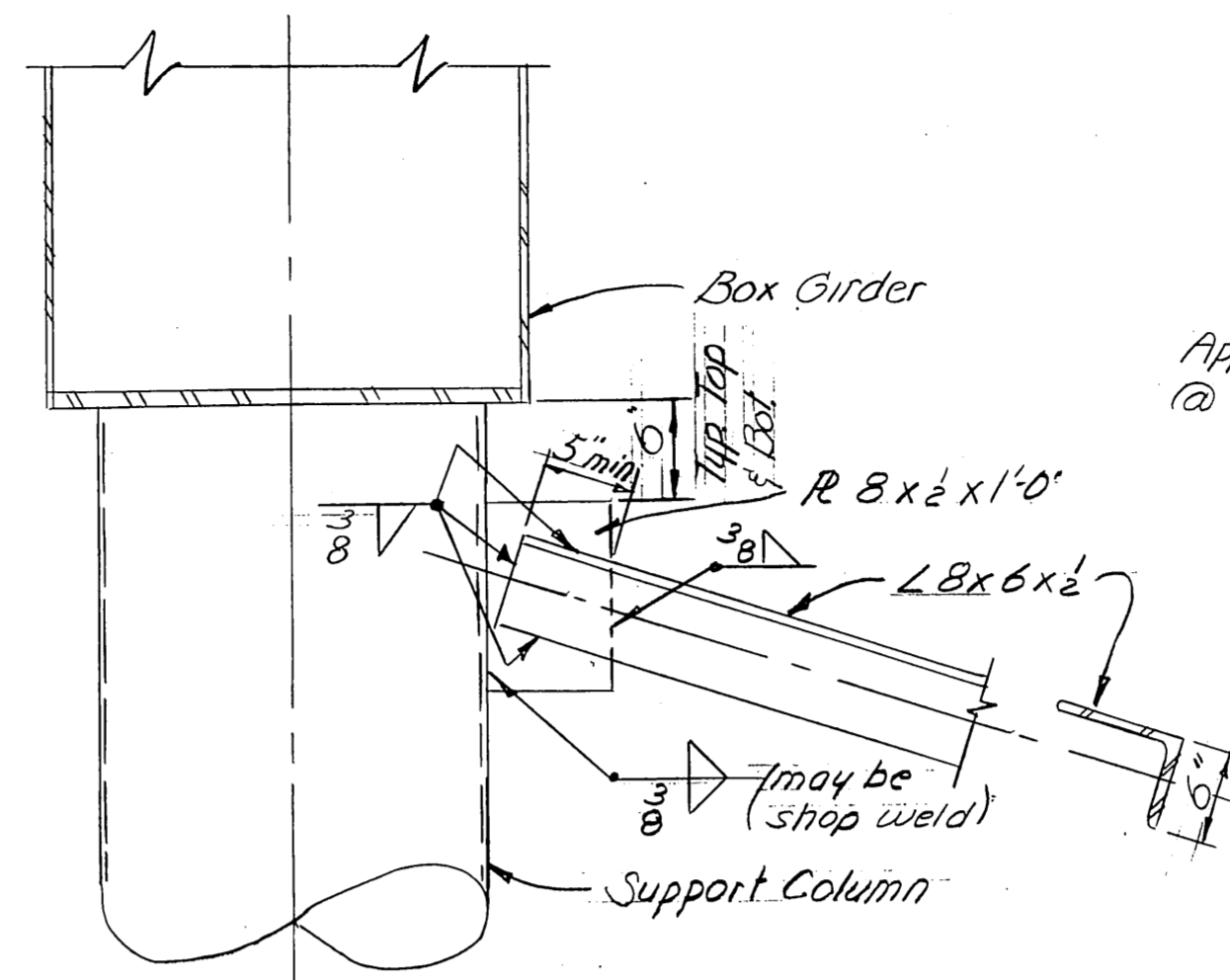
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	ALS-0999 (12)	1974	38A	47/48



**ELEVATION-LEFT GIRDER SUPPORTS**  
(Begin Bridge)

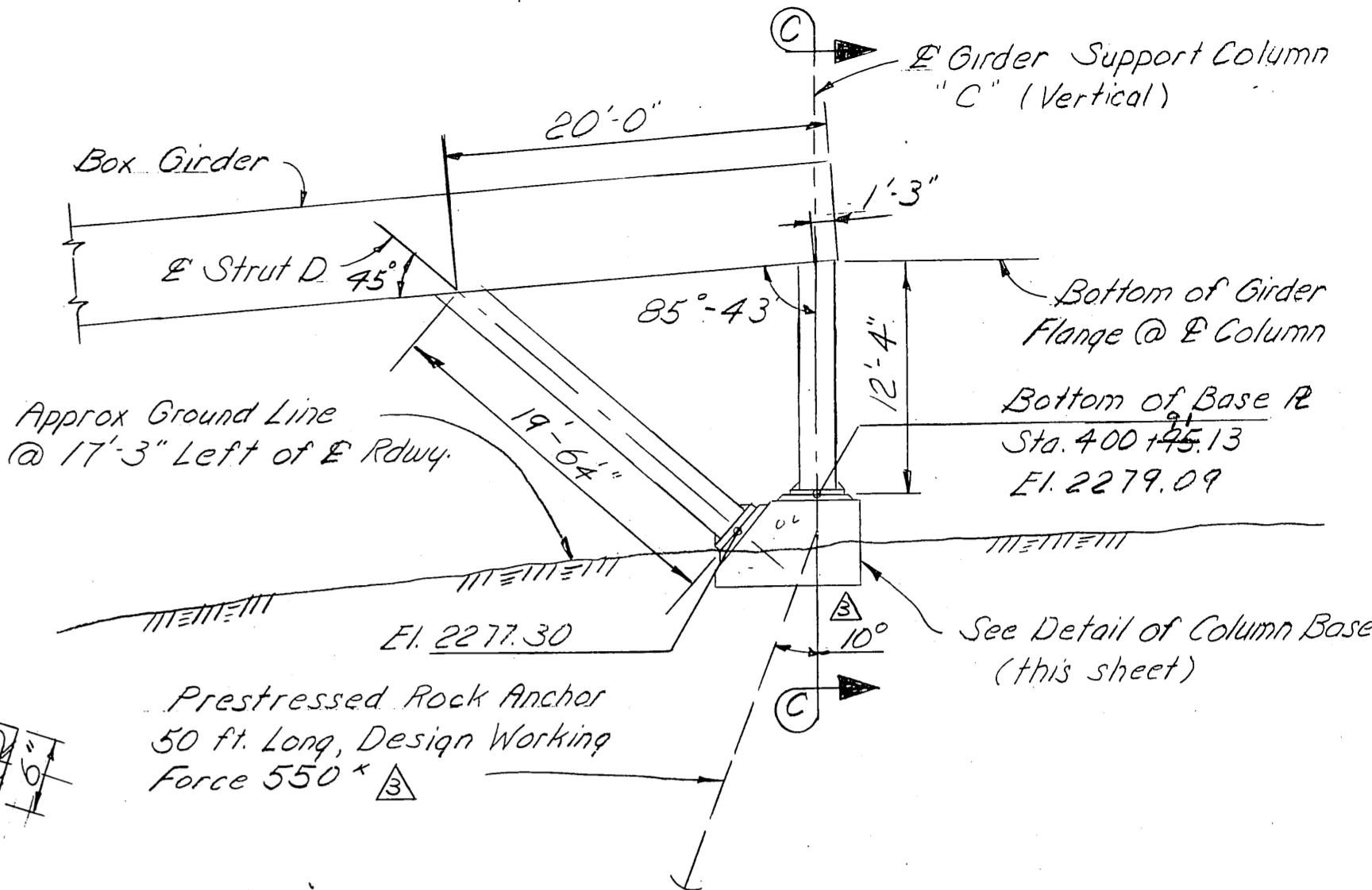
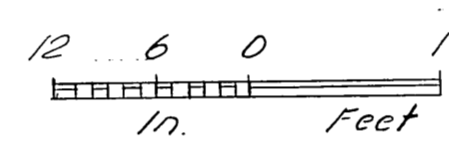


**SECTION B-B**

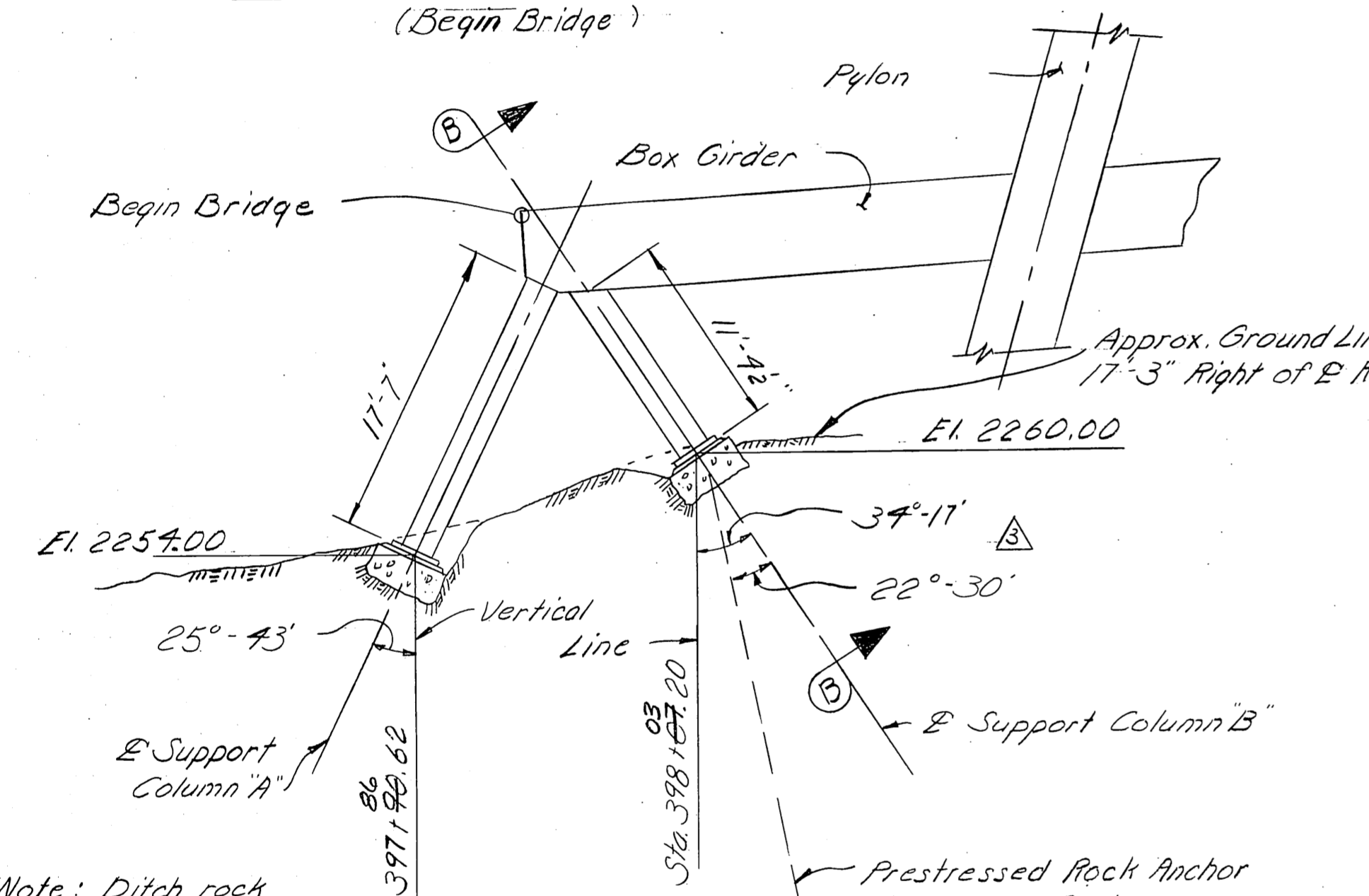
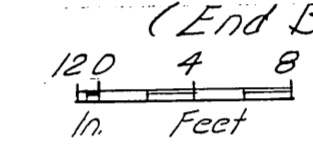


**DETAIL B**

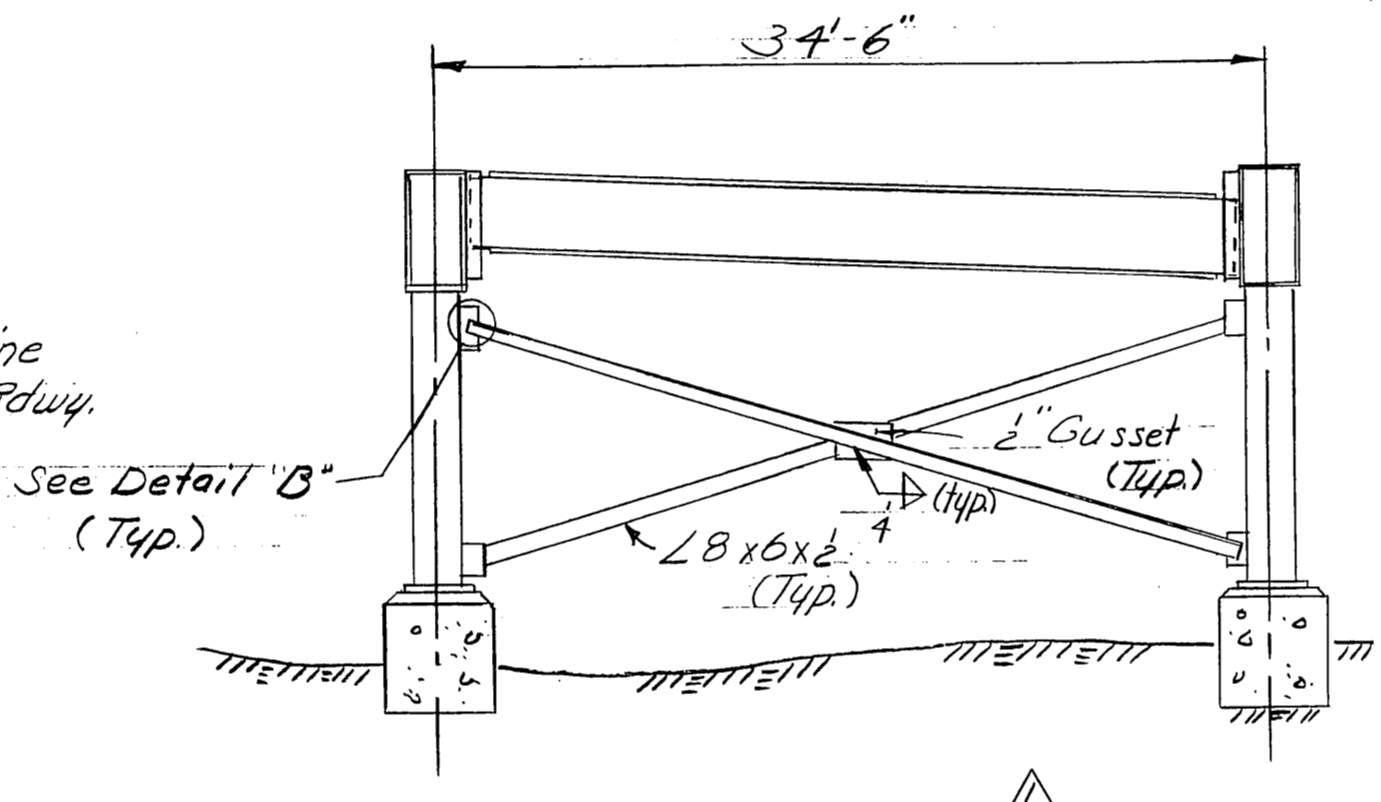
Note: Wind Bracing is required at Support Columns B & C only



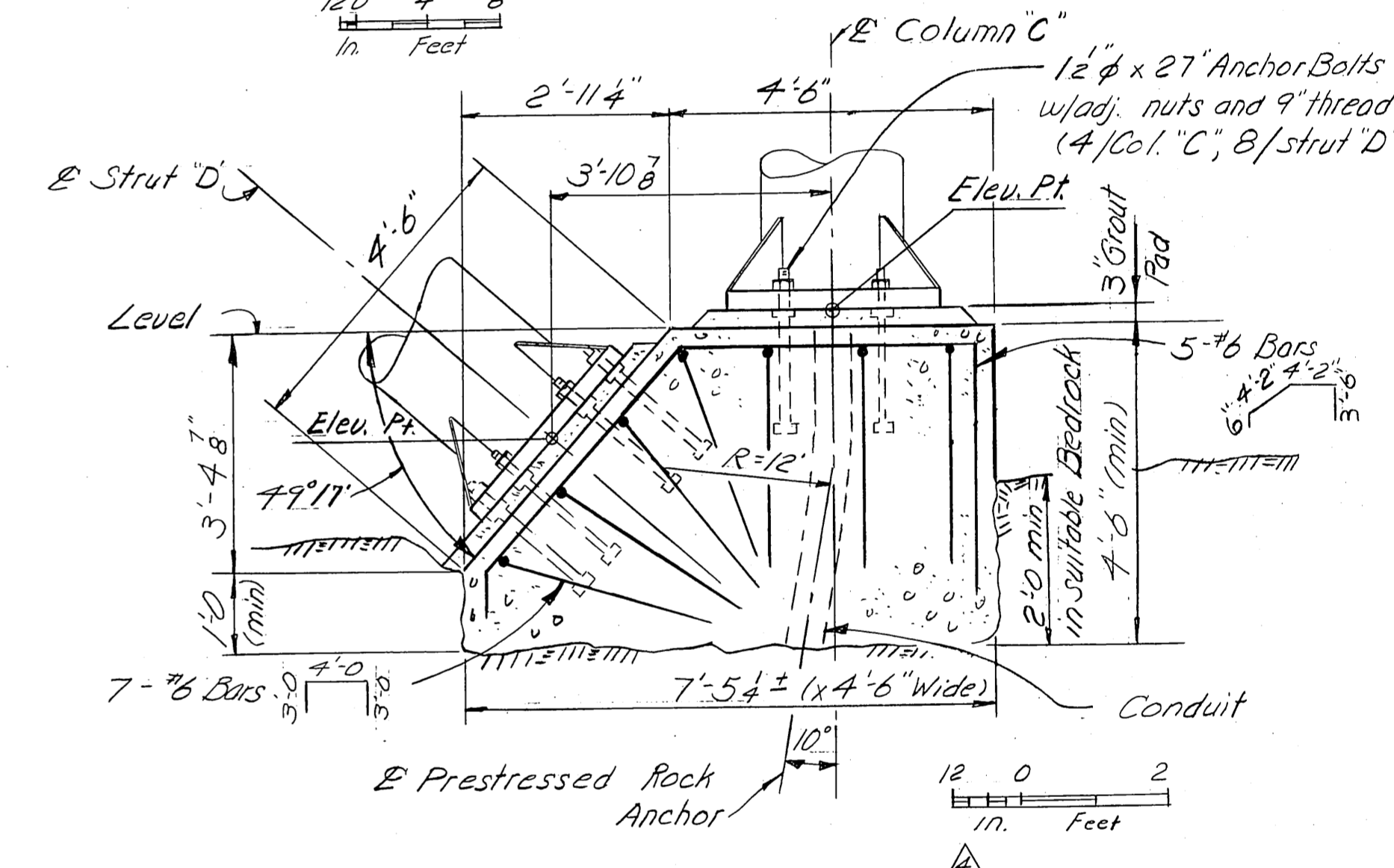
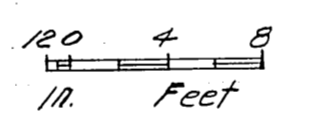
**ELEVATION-TYPICAL GIRDER SUPPORT**  
(End Bridge)



**ELEVATION - RIGHT GIRDER SUPPORTS**  
(Begin Bridge)



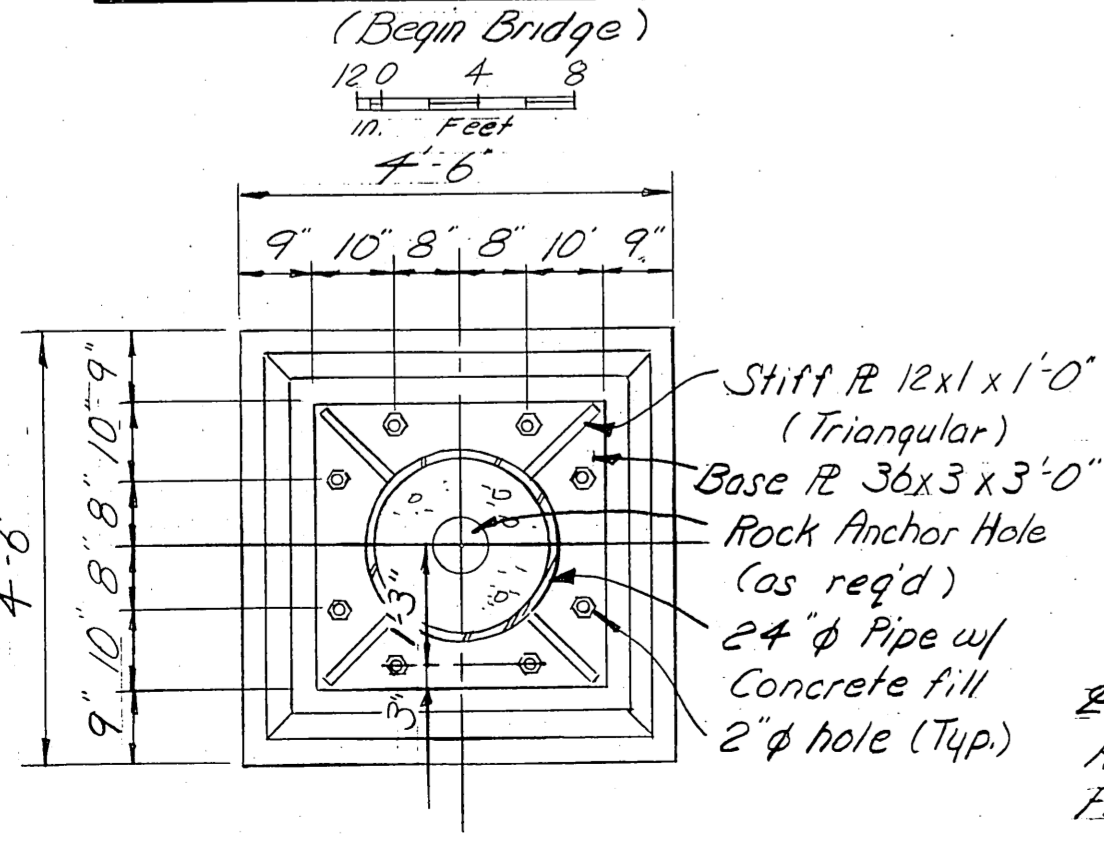
**SECTION C-C**



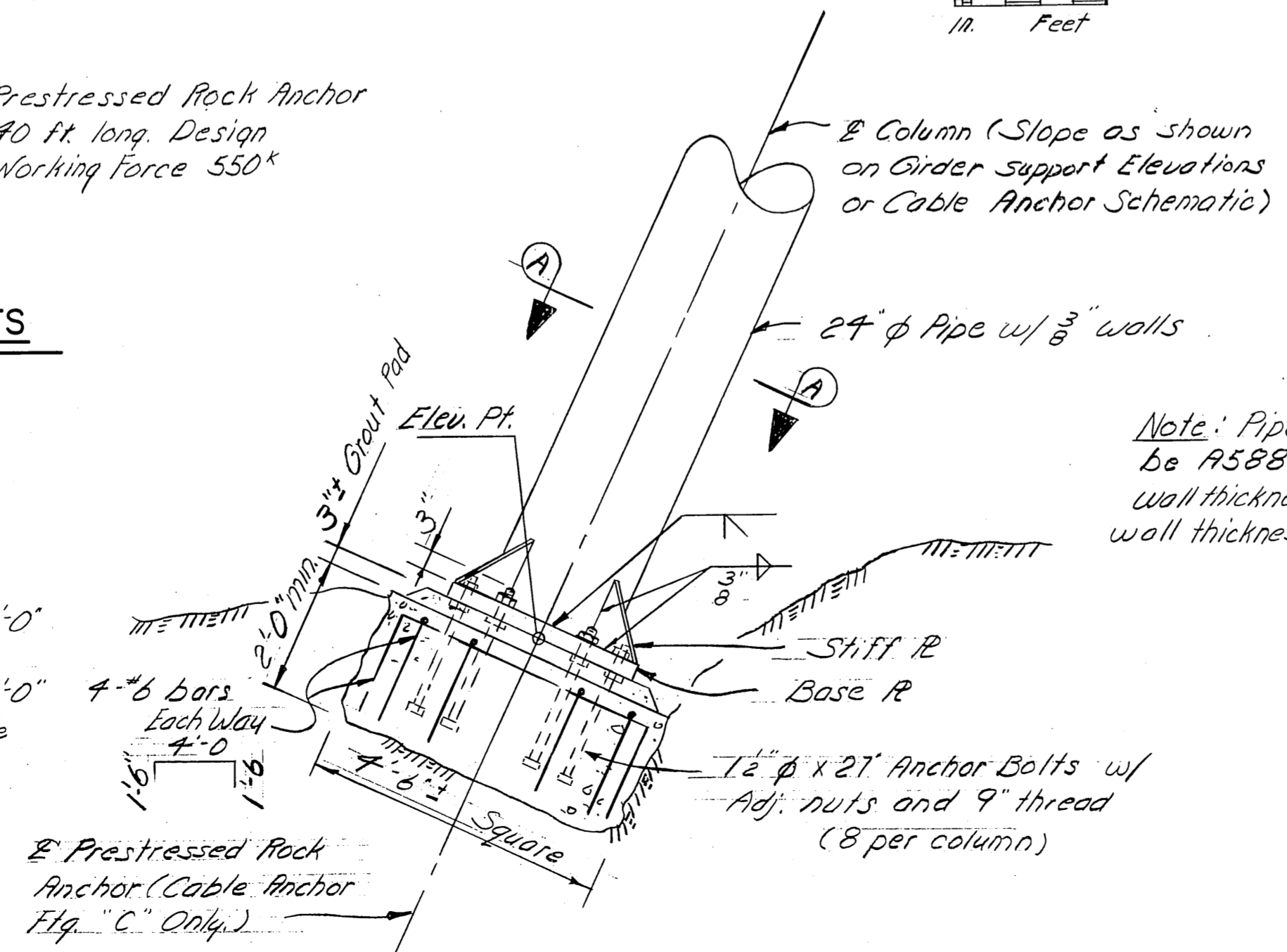
**COLUMN BASE AT END BRIDGE**  
(See Column "A" Base for Details Not Shown)

REVISIONS	
8-1-74	Δ Wind Bracing
8-1-74	Δ Column Lengths
8-1-74	Δ Rock Anchor Force & Angle
8-1-74	Δ Column Base

Note: Ditch rock excavations as necessary to drain top of footings.

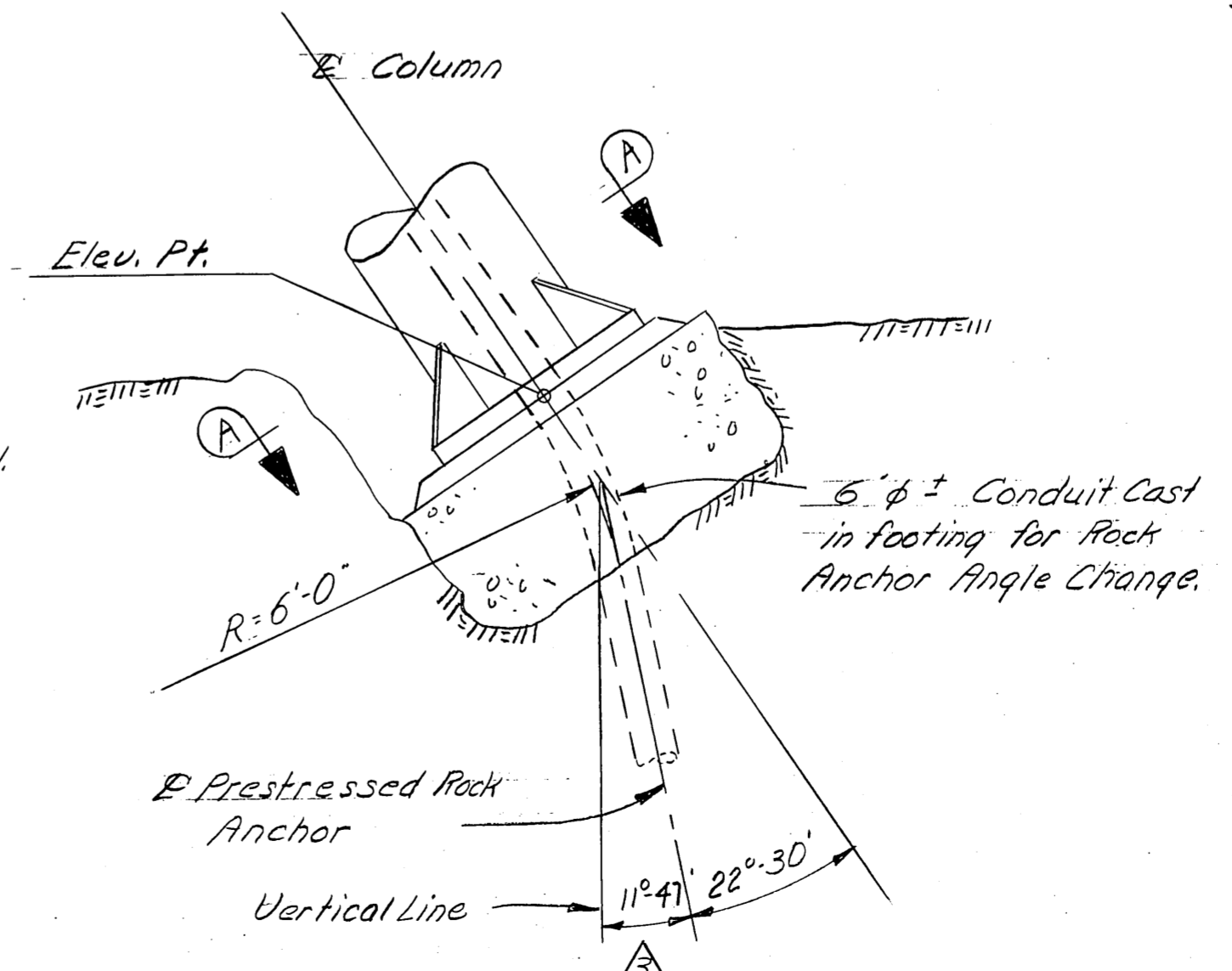
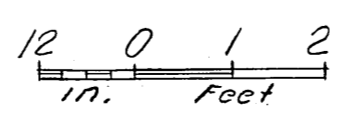


**SECTION A-A**



**COLUMN A BASE**

(Note: Right Cable Anchor Bases Similar)

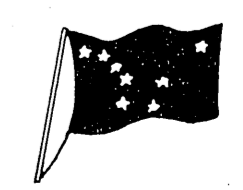


**COLUMN B BASE**

(See Column "A" Base for Details Not Shown)

**CAPT. WILLIAM MOORE CREEK**  
ROUTE NO. S-999  
**GIRDER SUPPORTS**

State of Alaska  
**DEPARTMENT OF HIGHWAYS**  
Juneau, Alaska



Date 8-8-74  
Approved [Signature]

BRIDGE NO. 1304  
DWNG. NO. 3189 A

Designed By: [Signature]  
Checked By: [Signature]  
Drawn By: [Signature]  
Traced By: [Signature]

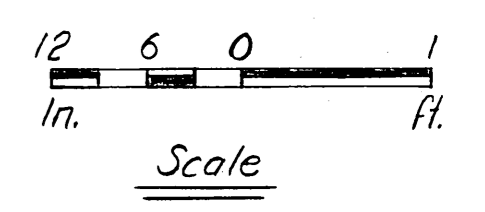
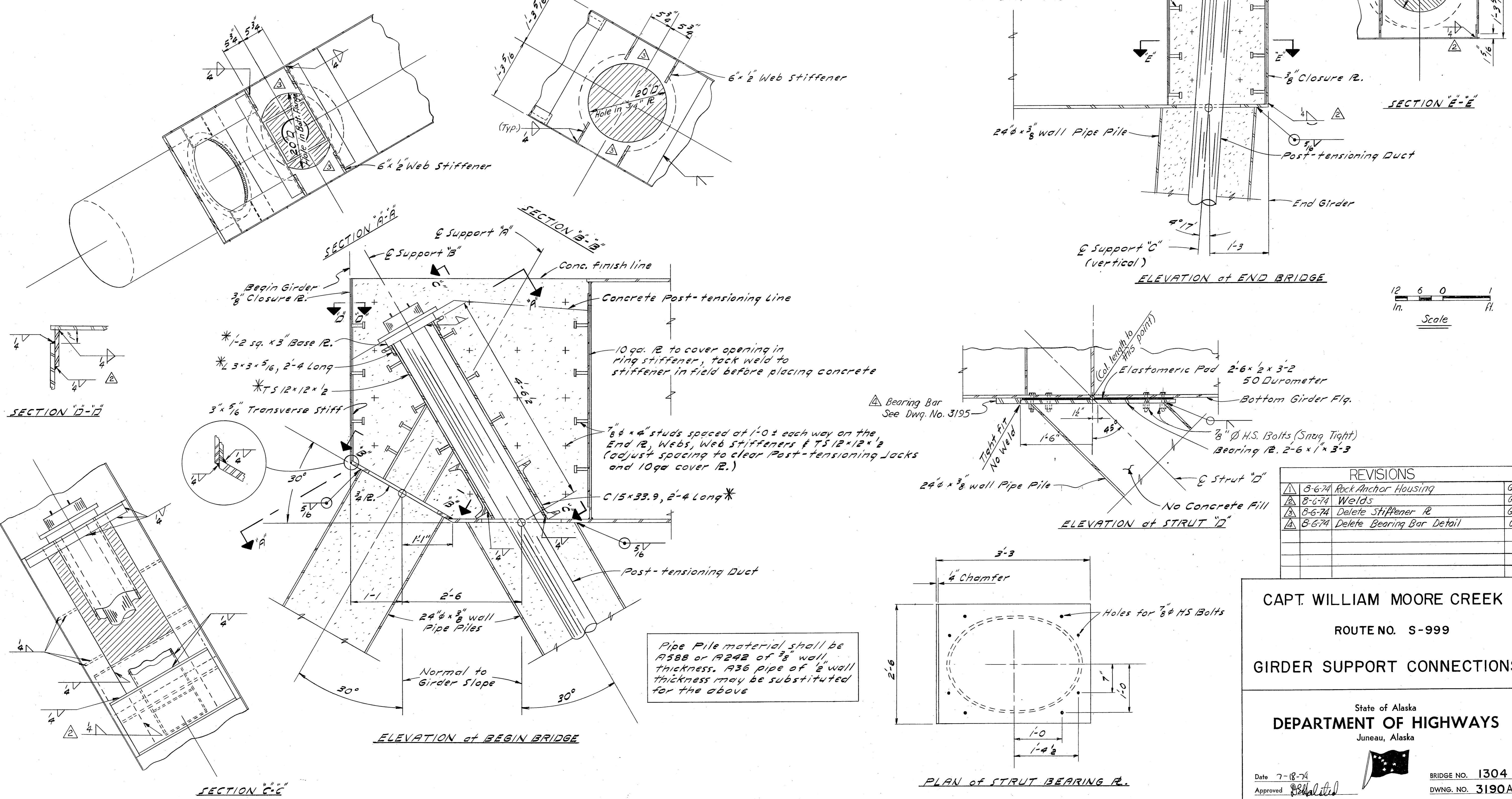
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	ALS-0999(12)	1974	39A	47 48

**Procedure:**

- (1) Fill pipe piles & girder ends with concrete to the post-tensioning line.
- (2) After concrete has cured post-tension rock anchors to design loads.
- (3) Cover rock anchors with concrete to the finish line indicated

**Note:**

Prior to placement of concrete to the post-tensioning line, rock anchors at Support "B" may be post-tensioned to a maximum of 270k to assist in the erection of the superstructure  
 Δ If Rock Anchors are not tensioned until concrete is in place to post tensioning line, these (\* structural steel members may be omitted).



REVISIONS		
Δ	8-6-74	Rock Anchor Housing
Δ	8-6-74	Welds
Δ	8-6-74	Delete Stiffener IR
Δ	8-6-74	Delete Bearing Bar Detail

CAPT. WILLIAM MOORE CREEK  
 ROUTE NO. S-999  
 GIRDER SUPPORT CONNECTIONS

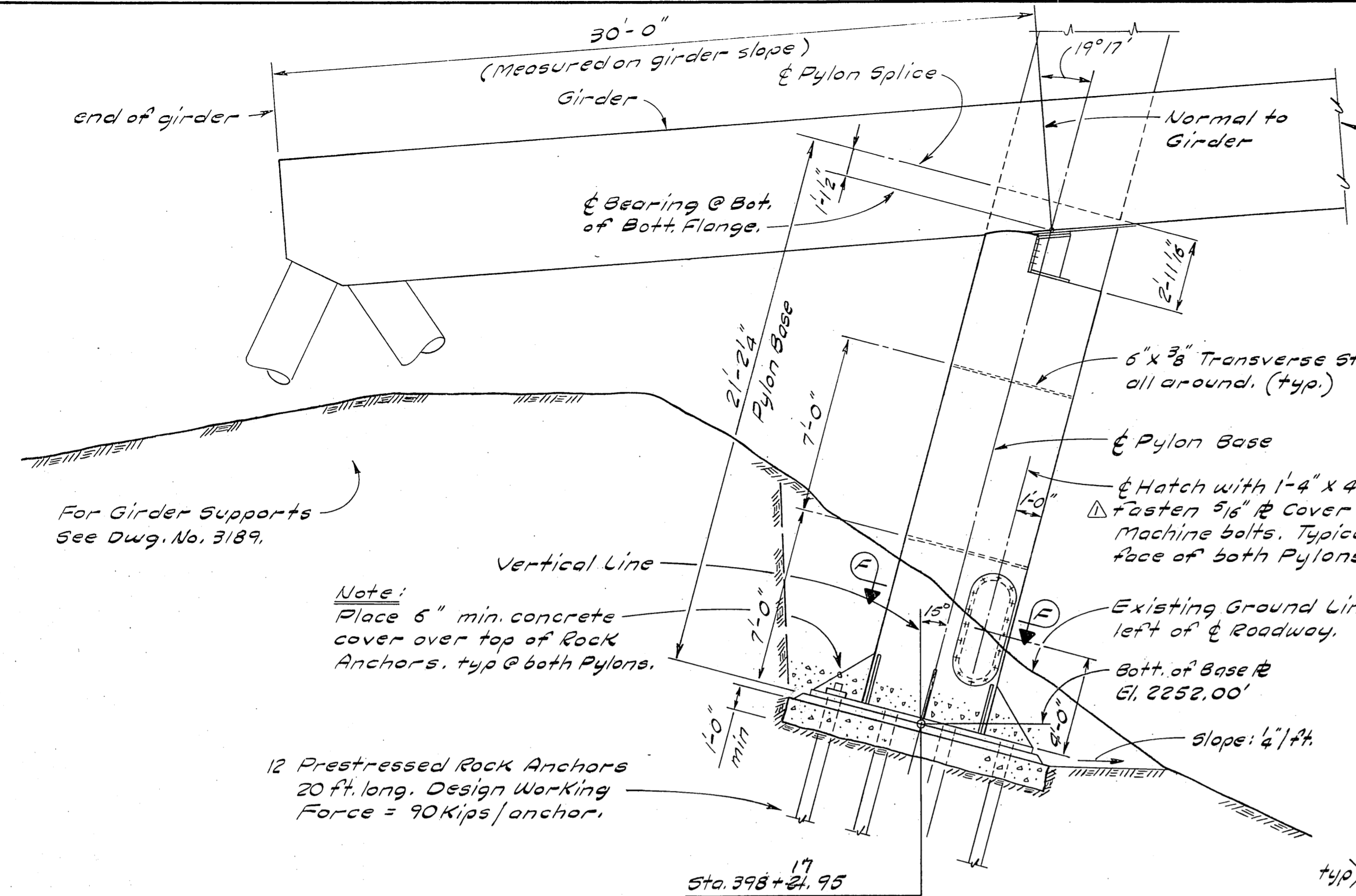
State of Alaska  
 DEPARTMENT OF HIGHWAYS  
 Juneau, Alaska

Date 7-18-74  
 Approved [Signature]  
 BRIDGE NO. 1304  
 DWNG. NO. 3190A

Designed By: [Signature] Date: 7/1/74  
 Checked By: [Signature] Date: 7/1/74  
 Drawn By: [Signature] Date: 7/1/74  
 Traced By: [Signature] Date: 7/1/74

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	ALS-0999(12)	1974	40A	48

\* 50 Durometer.  
Bond pad to bearing assembly with epoxy in shop. Bond pad to girder sole flange with epoxy during erection.

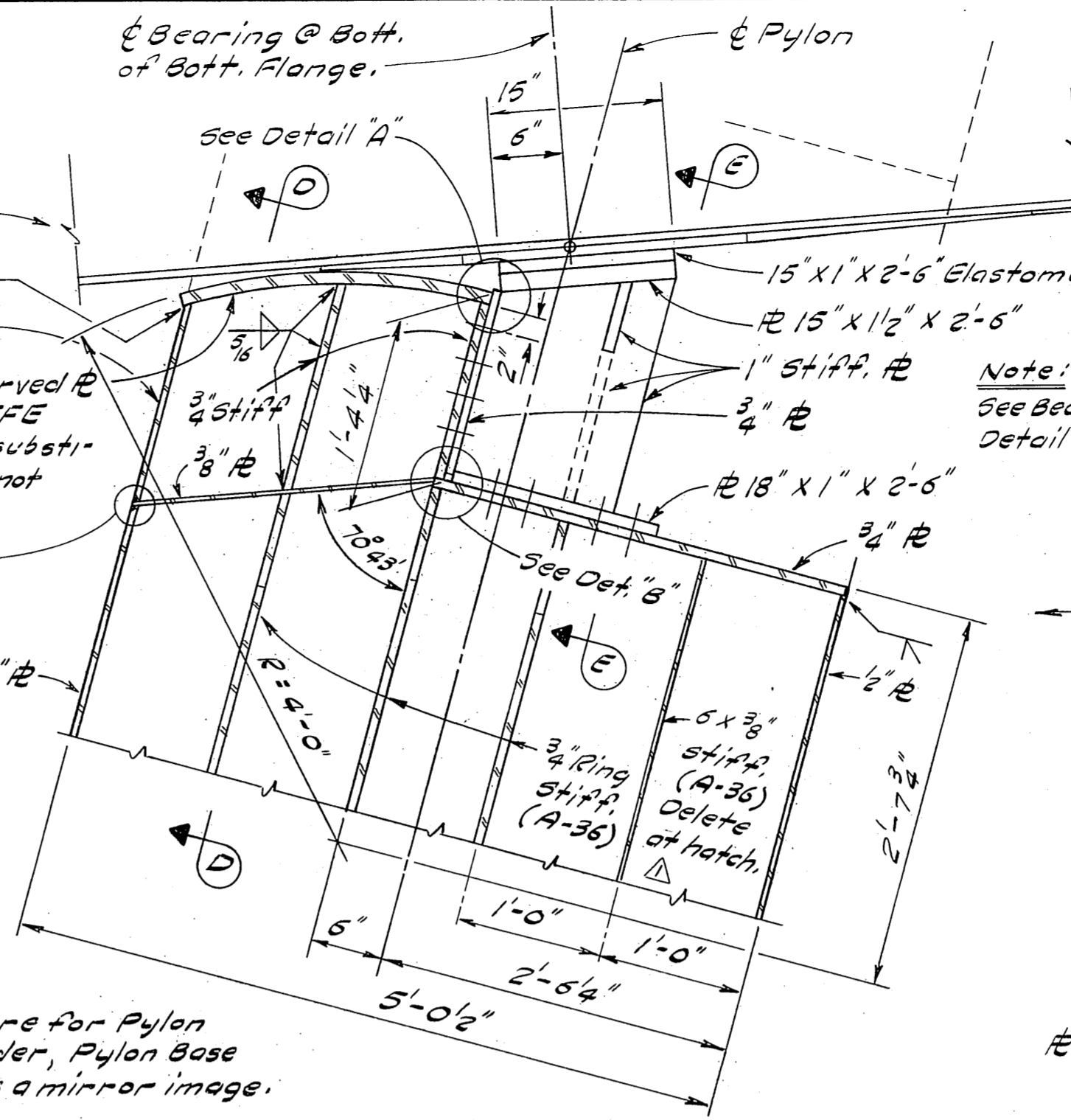


**ELEVATION OF PYLON BASE AT LEFT GIRDER**

Note: See Girder Details Dwg. No. 3195

1" TFE Coated Curved Rebar (1/2" x 4" bar w/ no TFE coating may be substituted if girder is not launched.)  
See Detail "C"

Note: Details shown are for Pylon Base at Left Girder, Pylon Base at Right Girder is a mirror image.

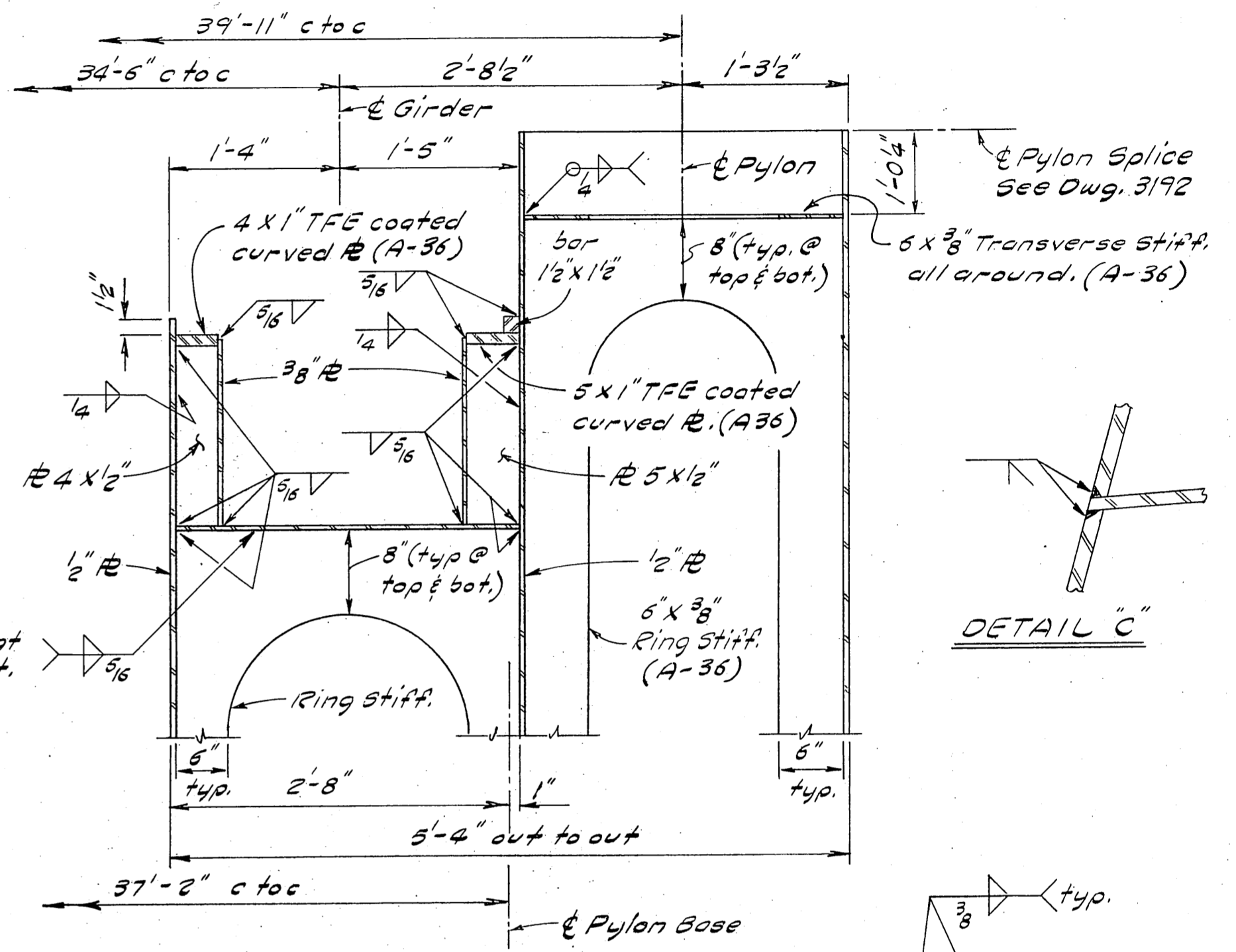


**PYLON BASE DETAIL AT GIRDER**

Note: See Bearing Support Detail this sheet.

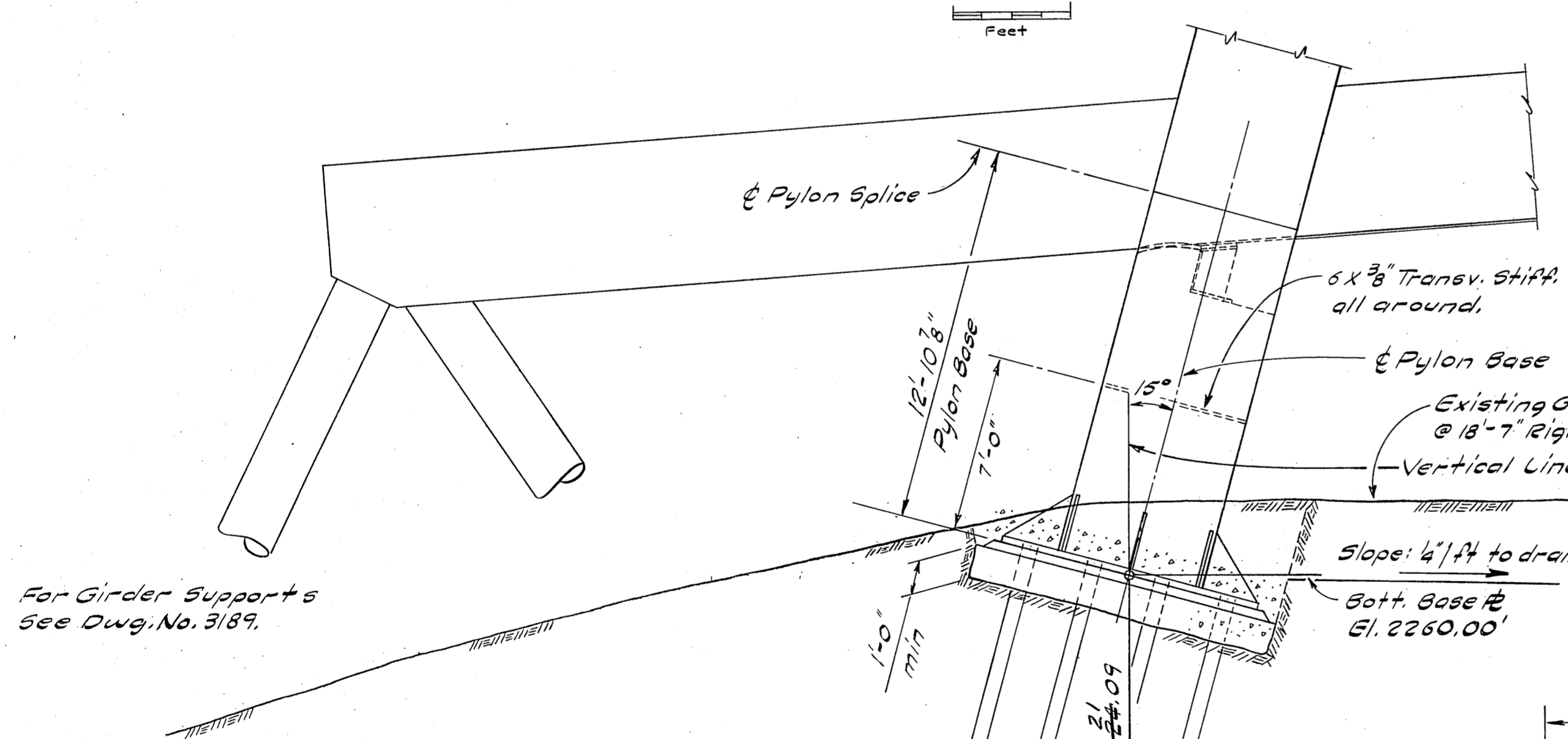
**DETAIL "A"**

**DETAIL "B"**



**SECTION D-D**

**BEARING SUPPORT**

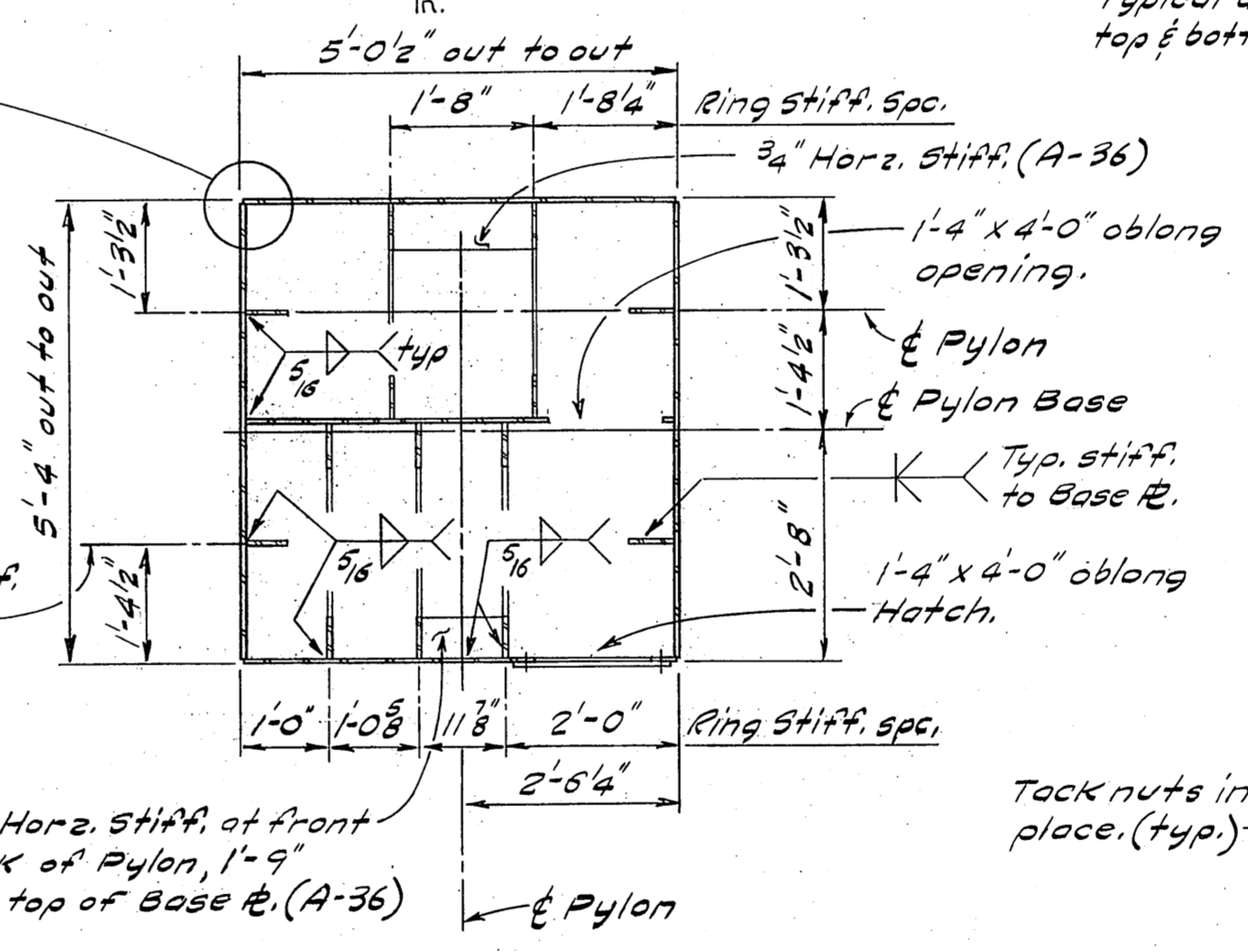


**ELEVATION OF PYLON BASE AT RIGHT GIRDER**

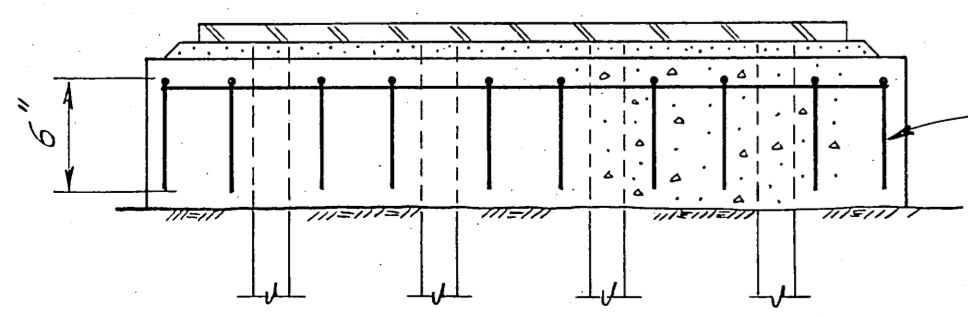
4-6 x 3/8" Vert. Stiff. as shown

6 x 3/4" Horiz. Stiff. at front & back of Pylon, 1'-9" from top of Base Rebar (A-36)

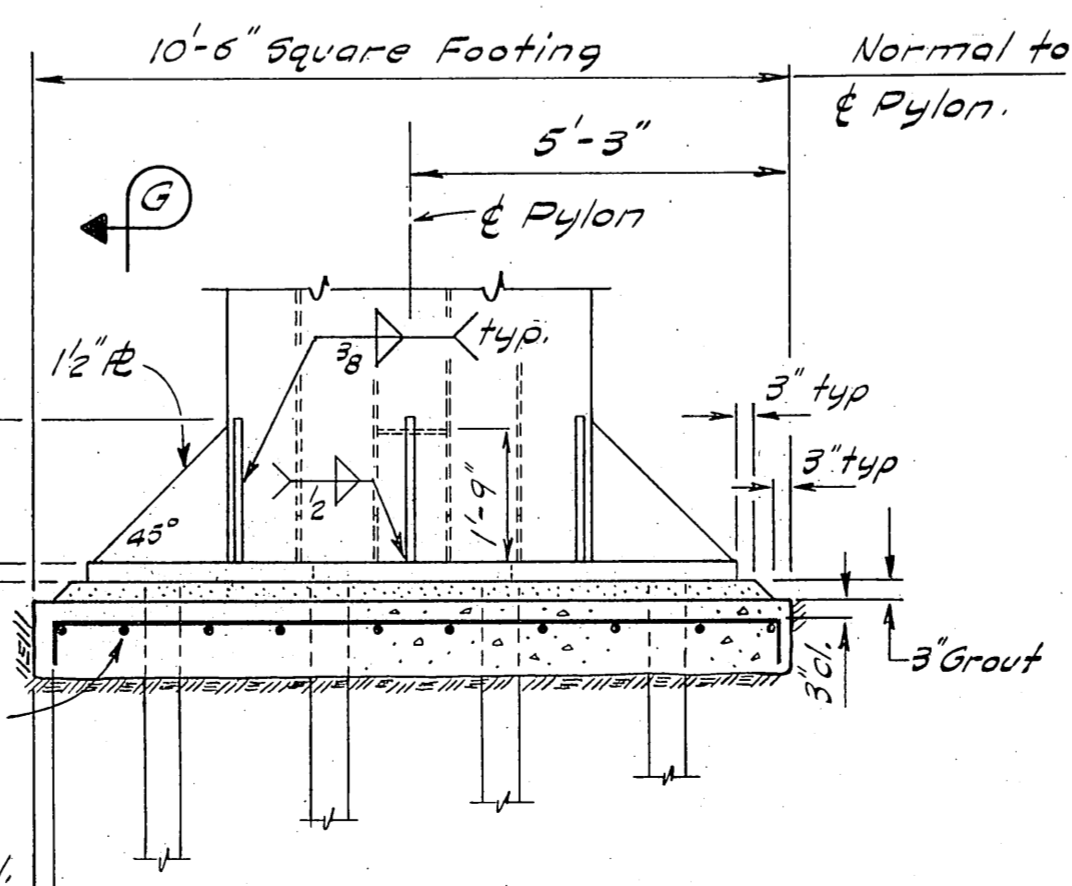
**SECTION F-F**



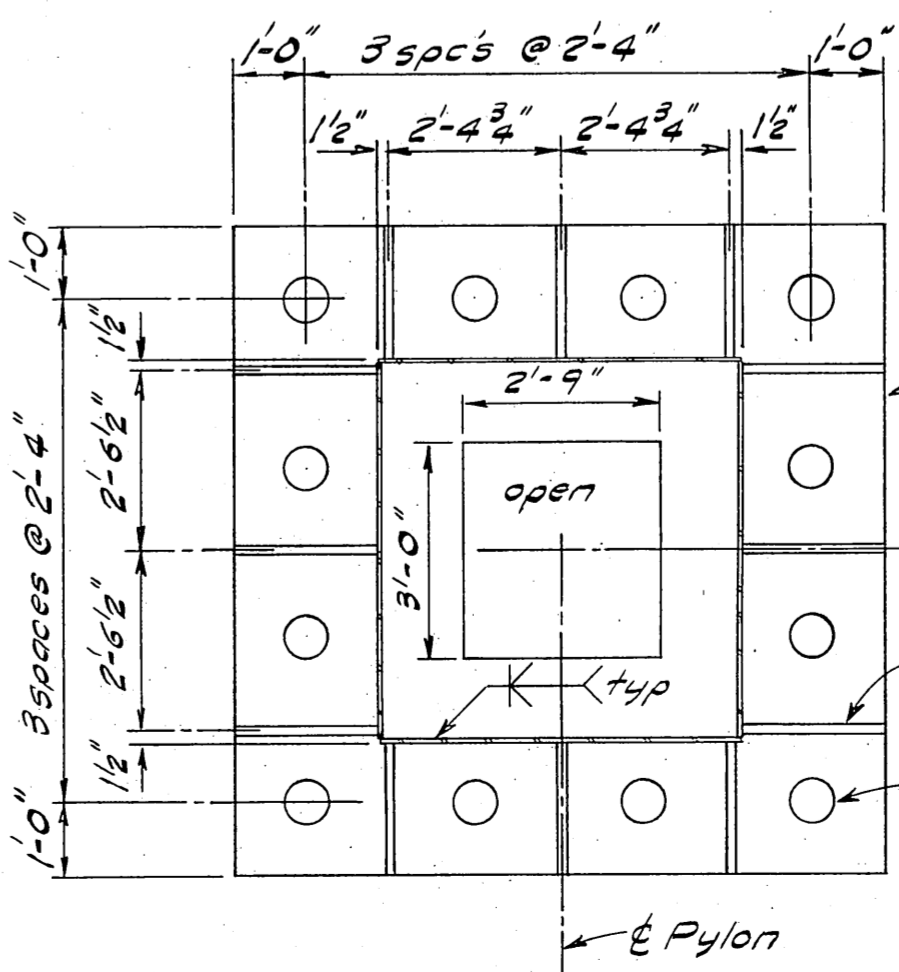
12 Prestressed Rock Anchors 20 ft. long. Design Working Force = 90K/anchor. (typ.)



**SECTION G-G**  
No Scale



**ELEVATION**



**PLAN AT PYLON BASE**

Note: Interior stiffeners not shown.

CAPT. WILLIAM MOORE CREEK  
ROUTE NO. S-999  
PYLON BASE

State of Alaska  
**DEPARTMENT OF HIGHWAYS**  
Juneau, Alaska

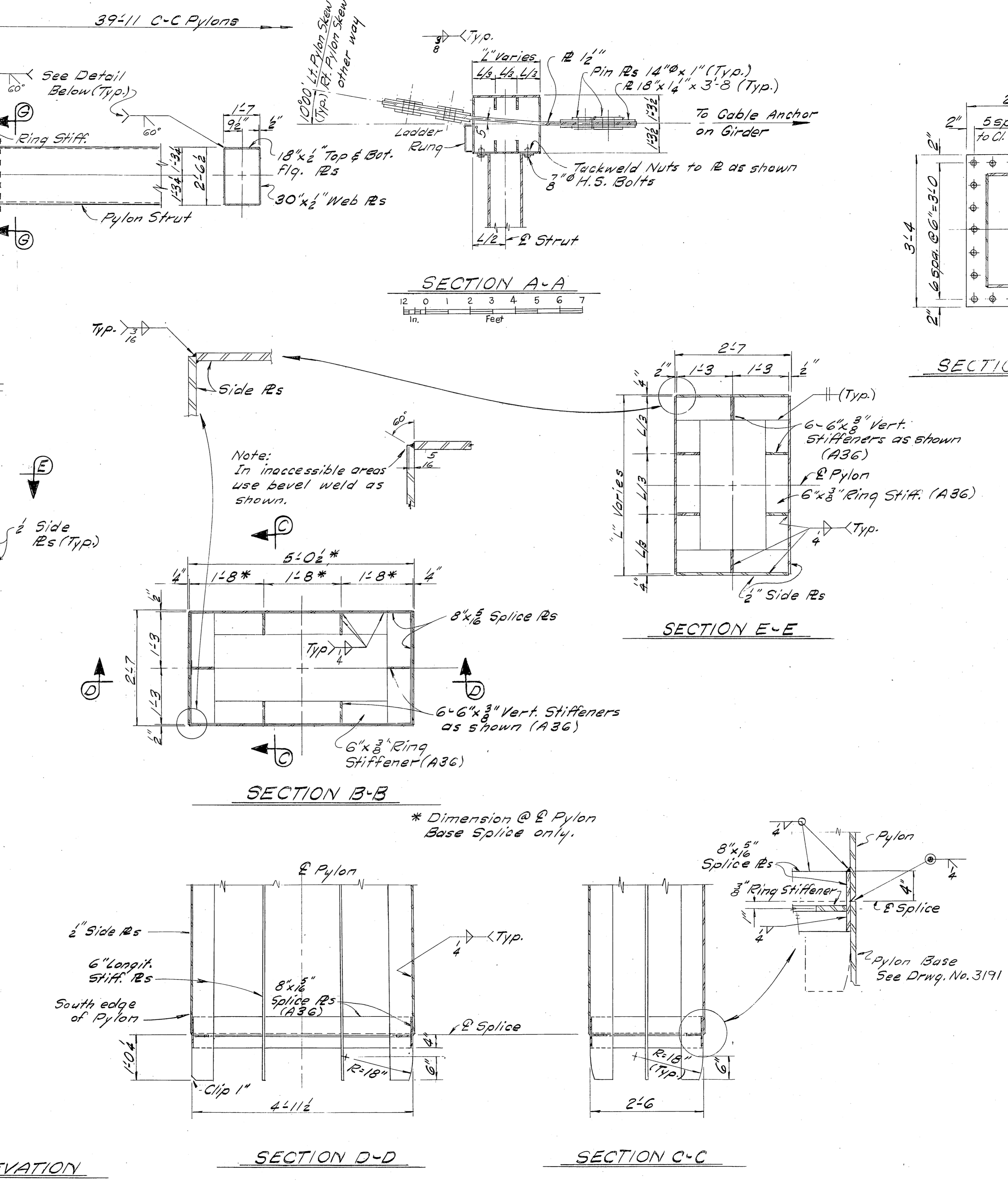
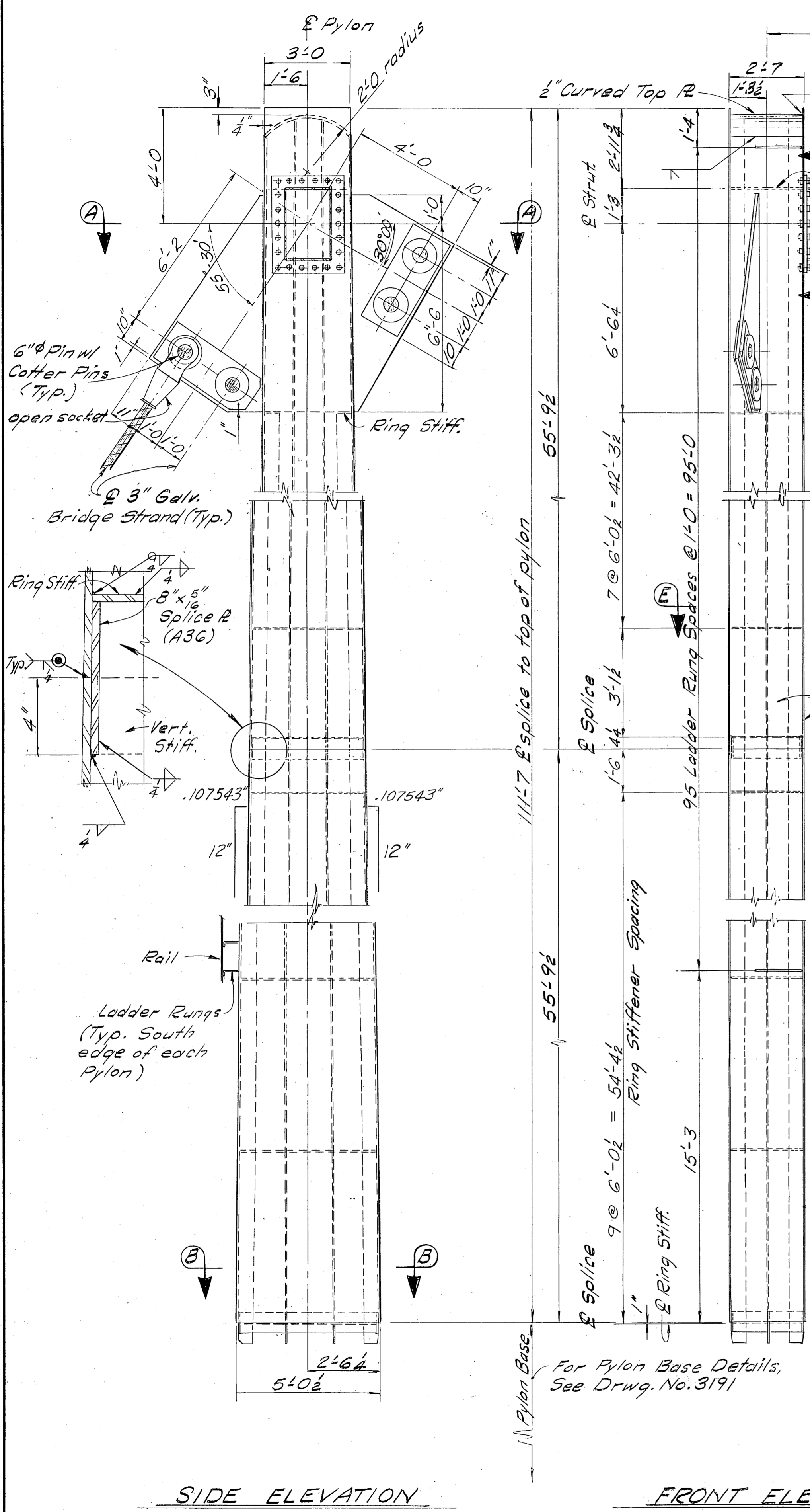
Date 7-18-74  
Approved [Signature]

BRIDGE NO. 1304  
DWNG. NO. 3191A

Designed By: [Signature]  
Checked By: [Signature]  
Drawn By: [Signature]  
Checked By: [Signature]  
Traced By: [Signature]

Revisions 8-7-74  
Add Hatch  
Welds

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	ALS-0999(12)	1974	41	47



Designed By: R. L. ... Date: 6-74  
 Checked By: T. M. ... Date: 7-74  
 Drawn By: D. H. ... Date: 6-74  
 Checked By: R. L. ... Date: 7-74  
 Rechecked By: R. L. ... Date: 7-74

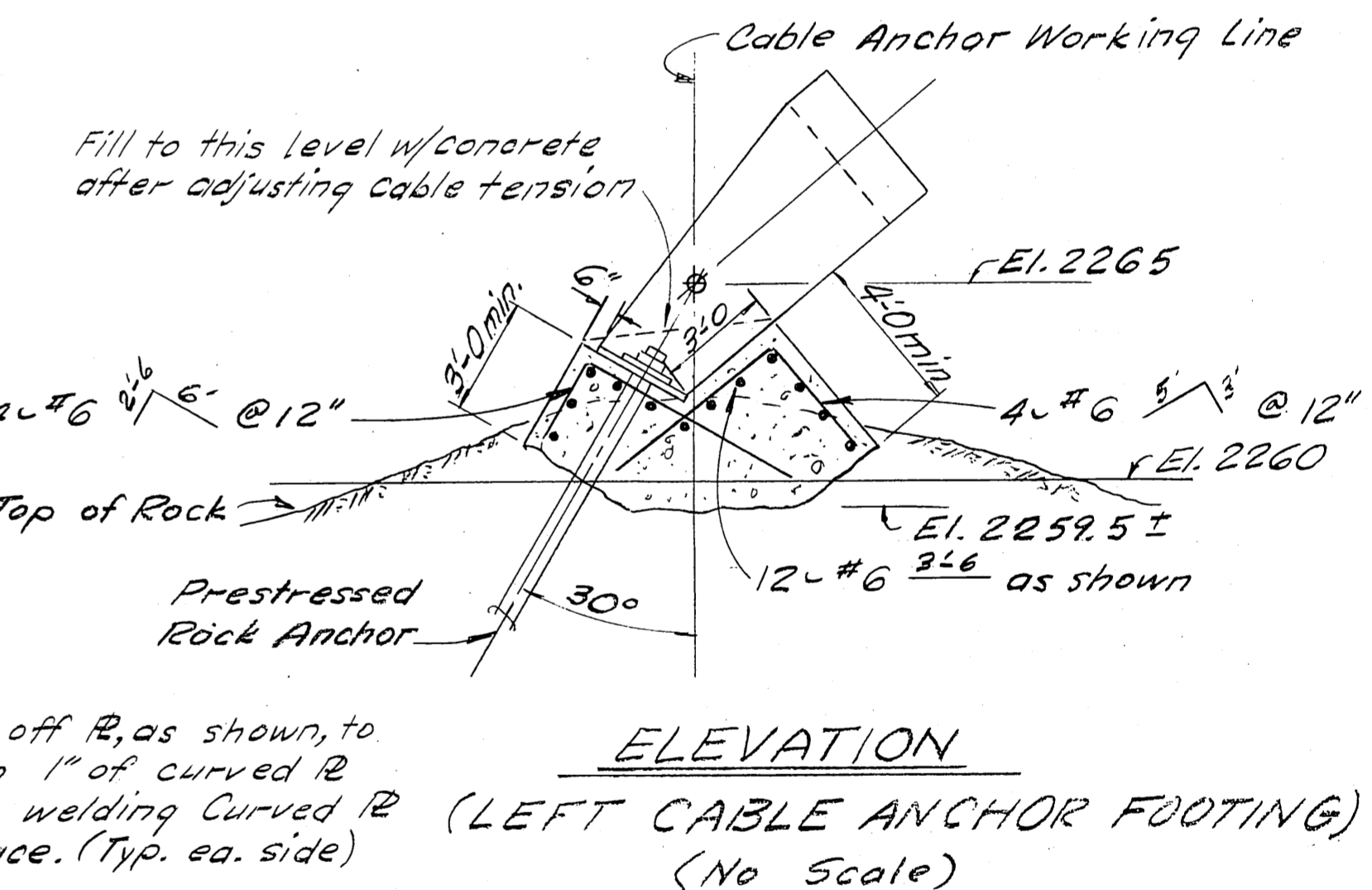
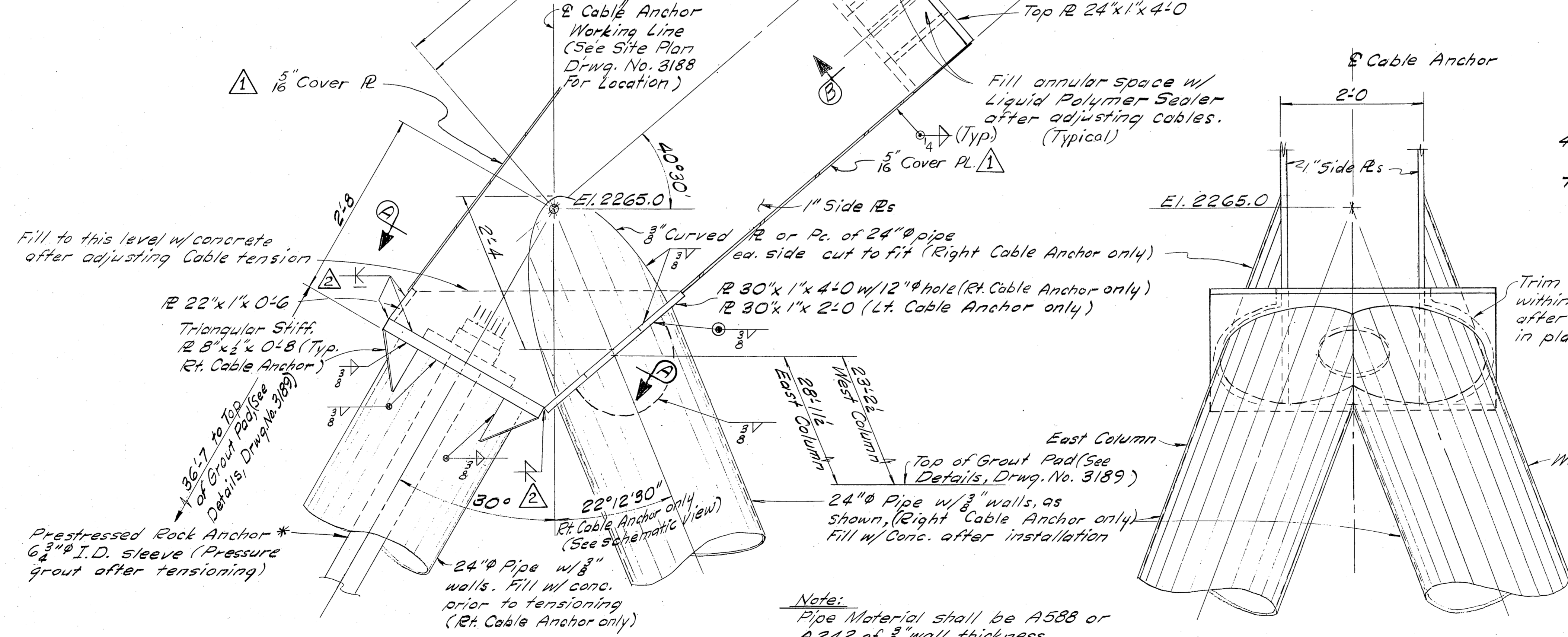
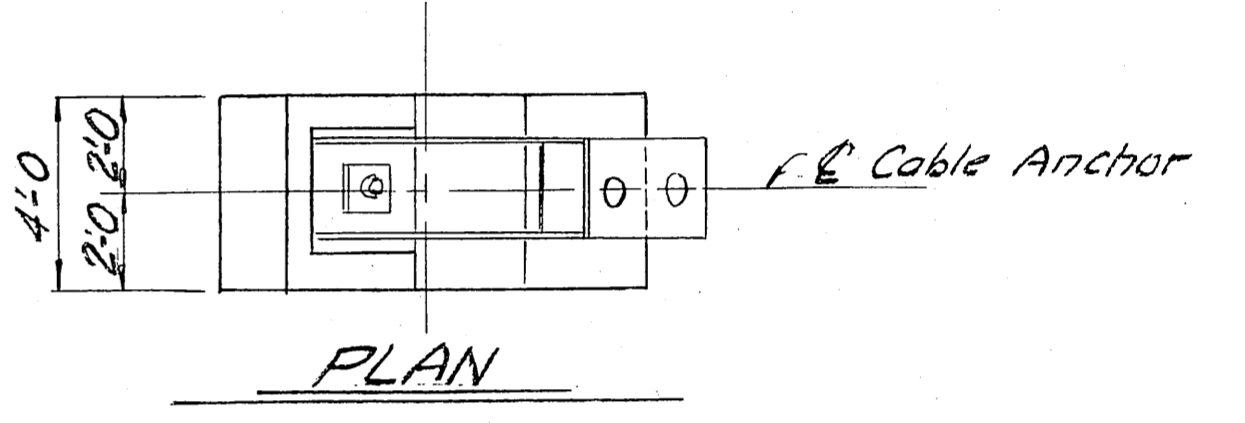
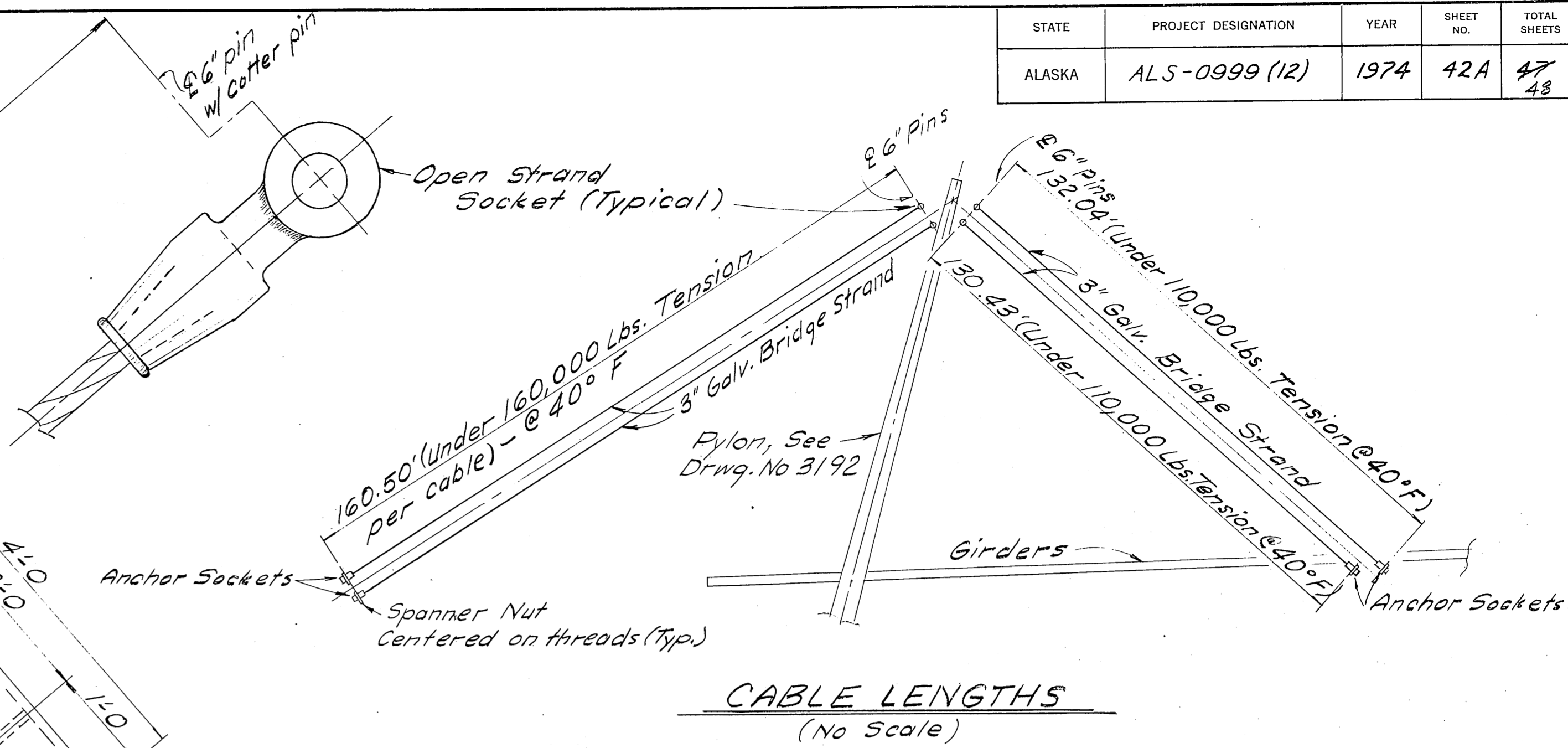
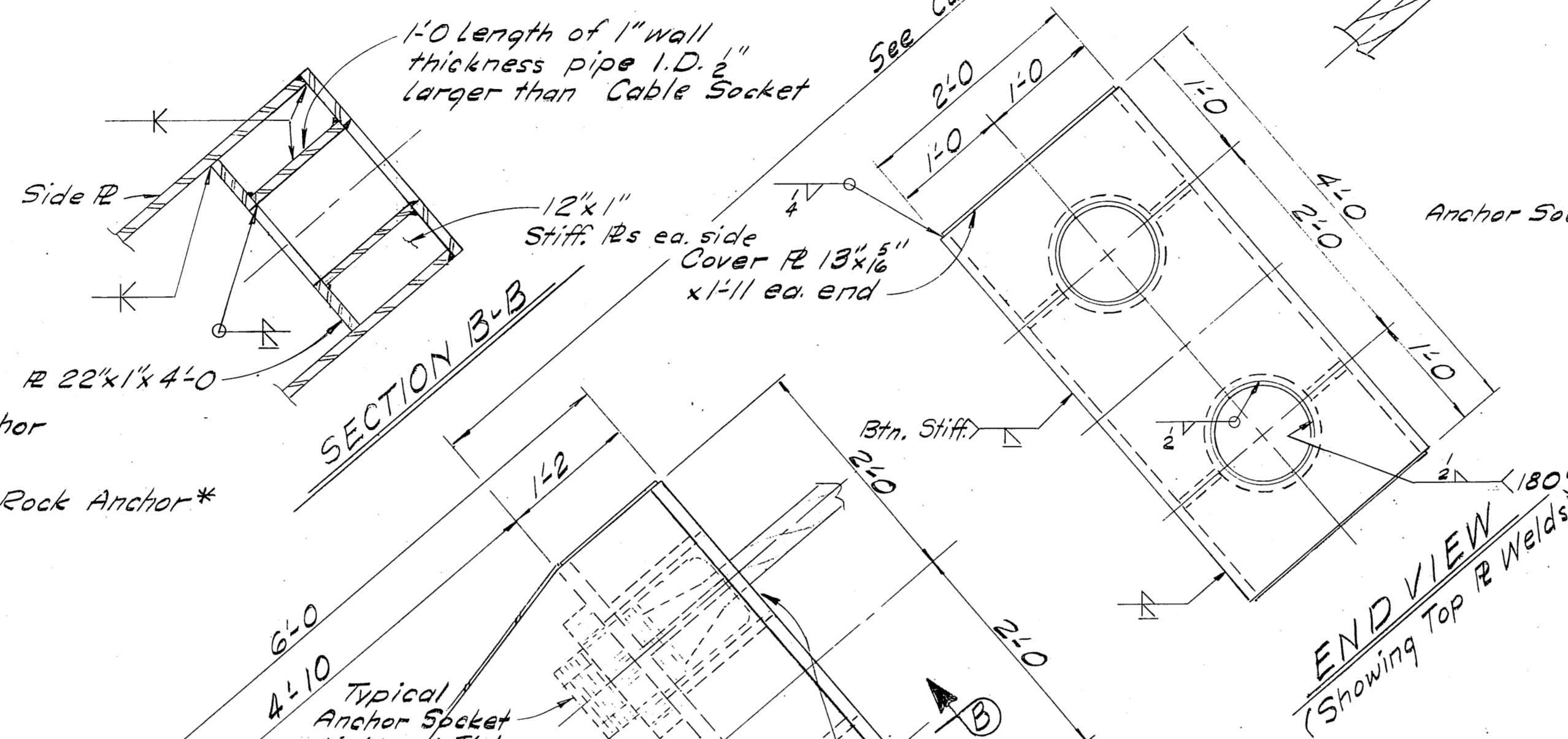
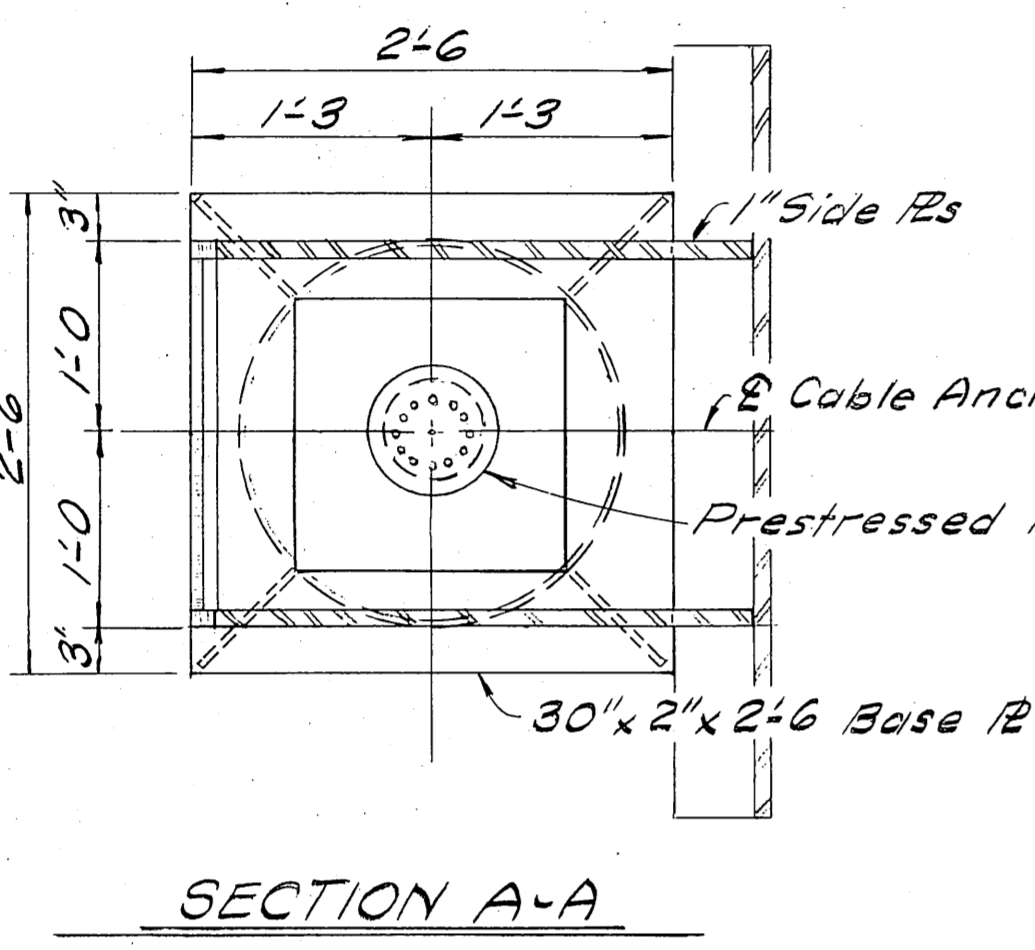
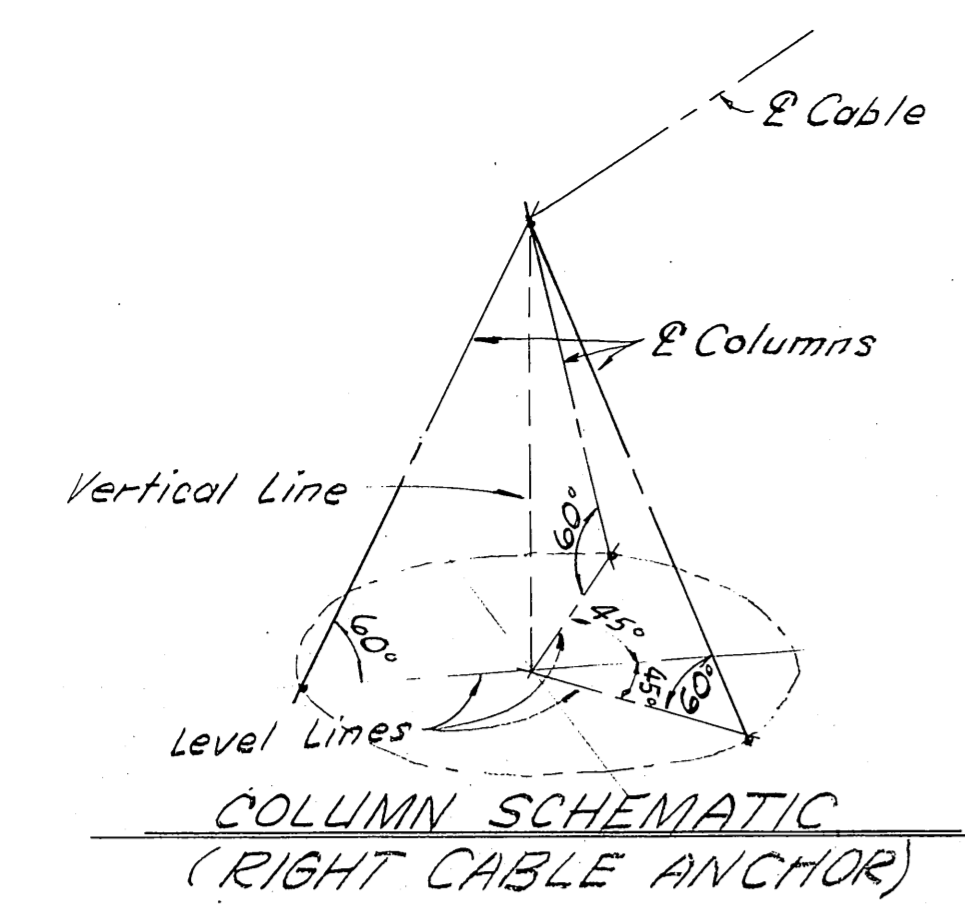
**CAPT. WILLIAM MOORE CREEK**  
 ROUTE NO. S-999  
**PYLONS**

State of Alaska  
**DEPARTMENT OF HIGHWAYS**  
 Juneau, Alaska

Date: 7-18-74  
 Approved: [Signature]

BRIDGE NO. 1304  
 DWNG. NO. 3192

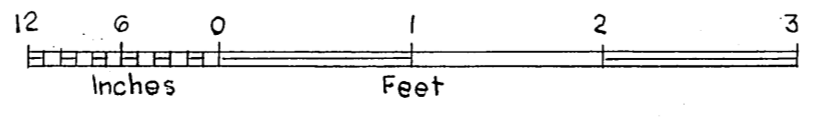
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	ALS-0999 (12)	1974	42A	47 48



REVISIONS		
△	8-7-74	Cover R
△	8-7-74	Welds

\*@ Left Cable Anchor = 40' Long, Design Working Force = 710 k  
 @ Rt. Cable Anchor = 80' Long, Design Working Force = 710 k

Note:  
 Pipe Material shall be A588 or A242 of 3/8" wall thickness. A36 pipe of 2" wall thickness may be substituted for the above.



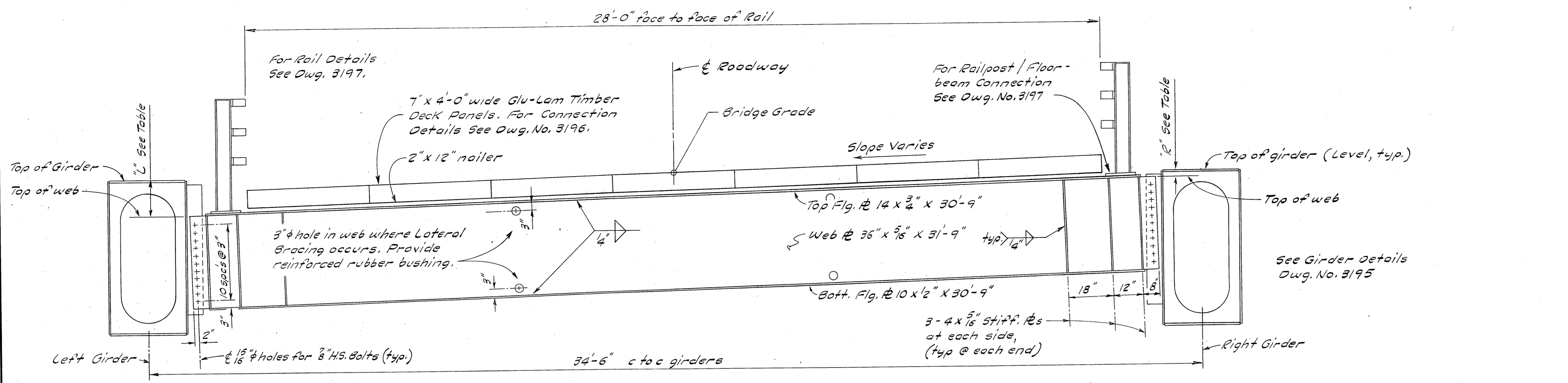
Designed By: R. J. ...  
 Checked By: J. ...  
 Drawn By: J. ...  
 Checked By: J. ...  
 Traced By: J. ...

**CAPT. WILLIAM MOORE CREEK**  
 ROUTE NO. S-999  
**CABLE ANCHORS**

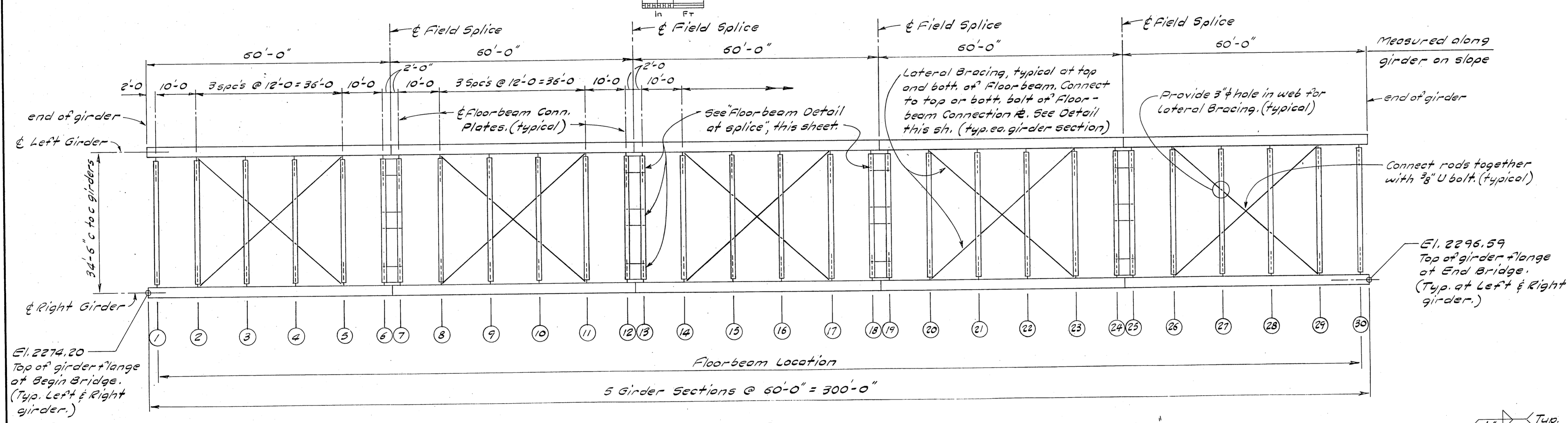
State of Alaska  
**DEPARTMENT OF HIGHWAYS**  
 Juneau, Alaska

Date: 7-18-74  
 Approved: [Signature]  
 BRIDGE NO. 1304  
 DWNG. NO. 3193A

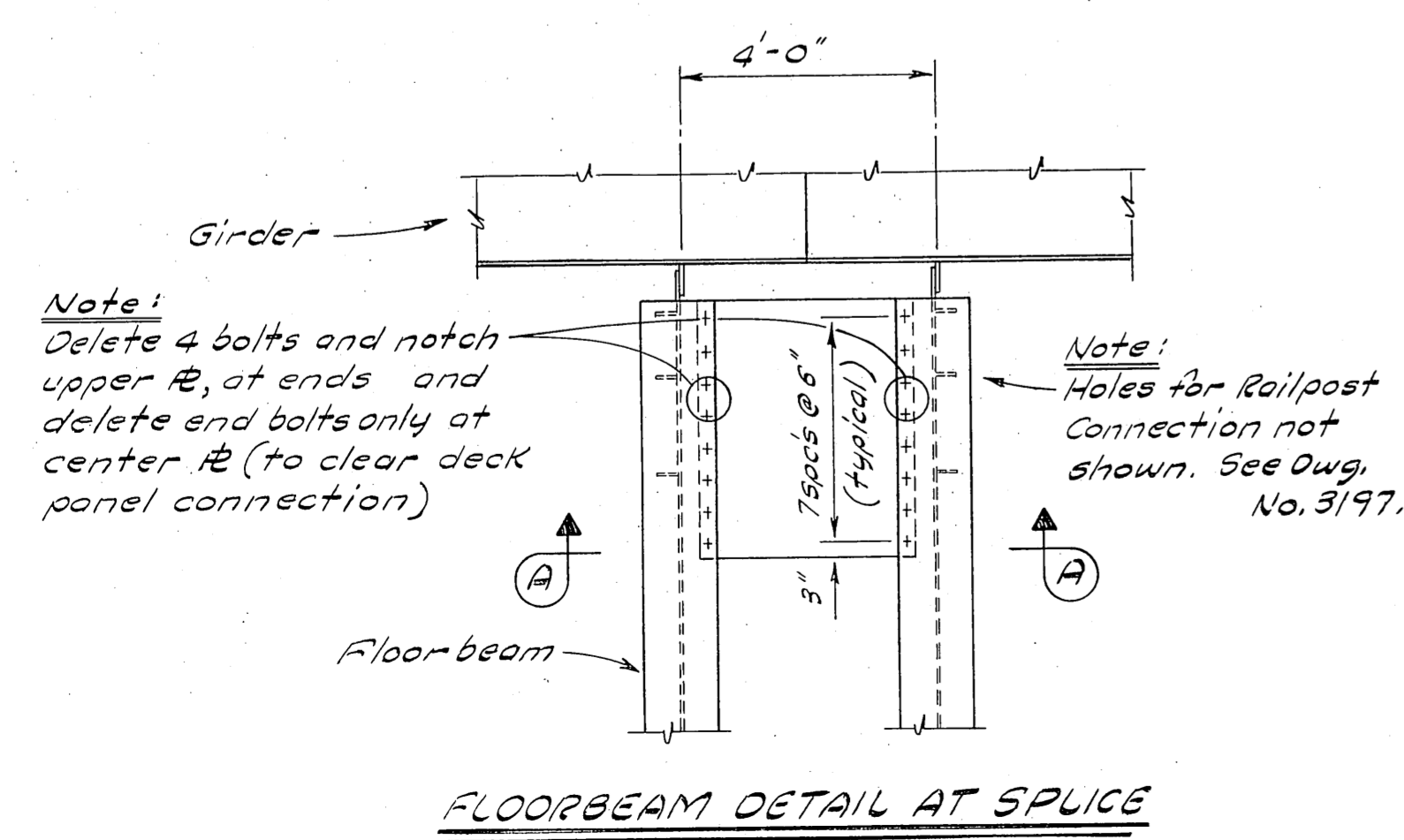
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	ALS-0999 (12)	1974	43	47



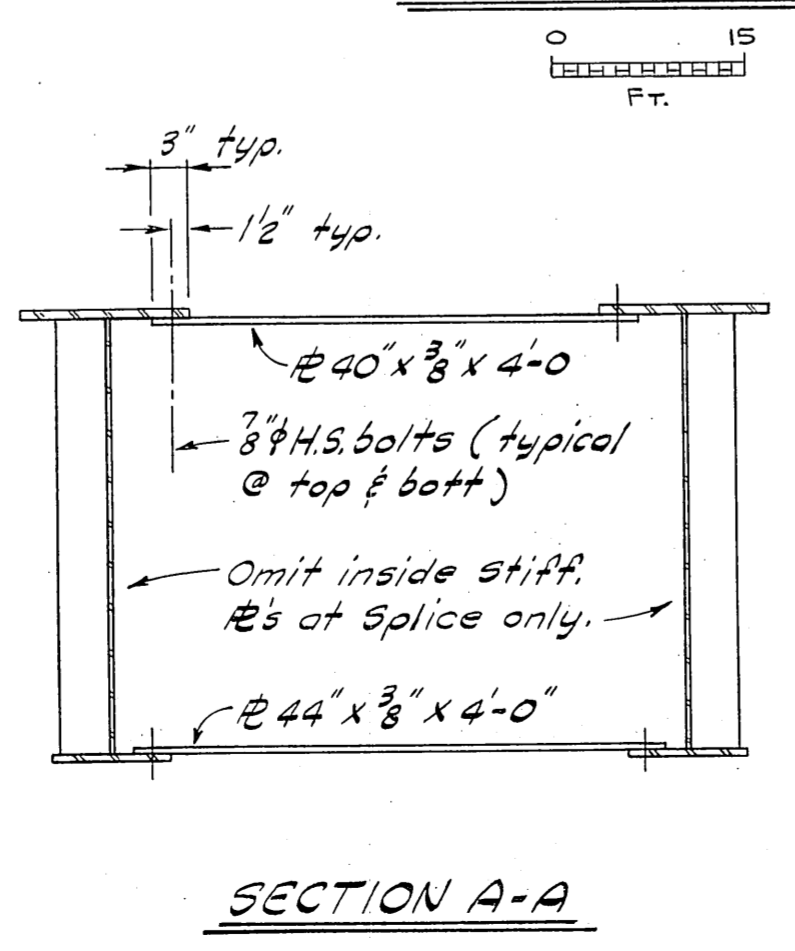
TYPICAL SECTION



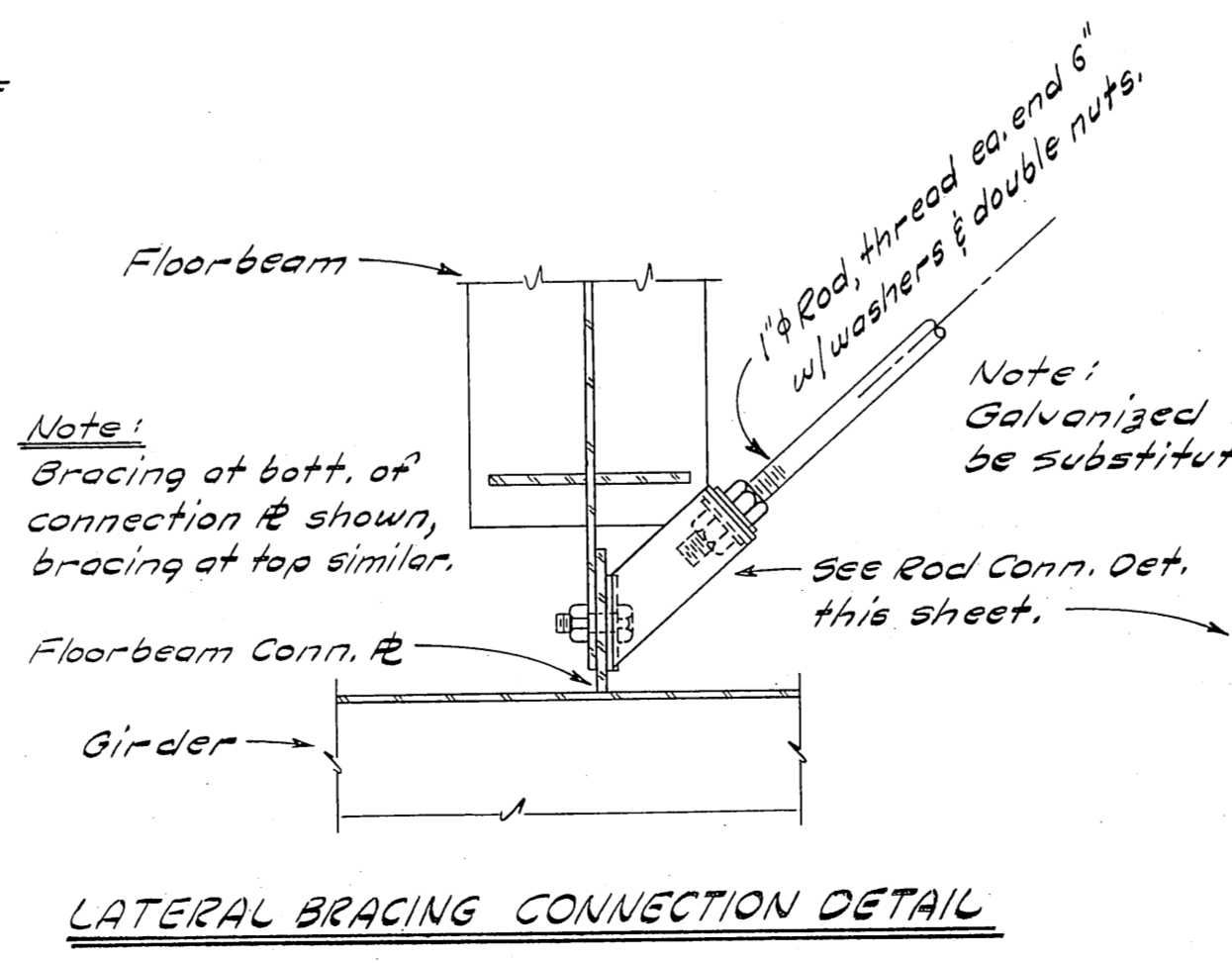
FRAMING PLAN



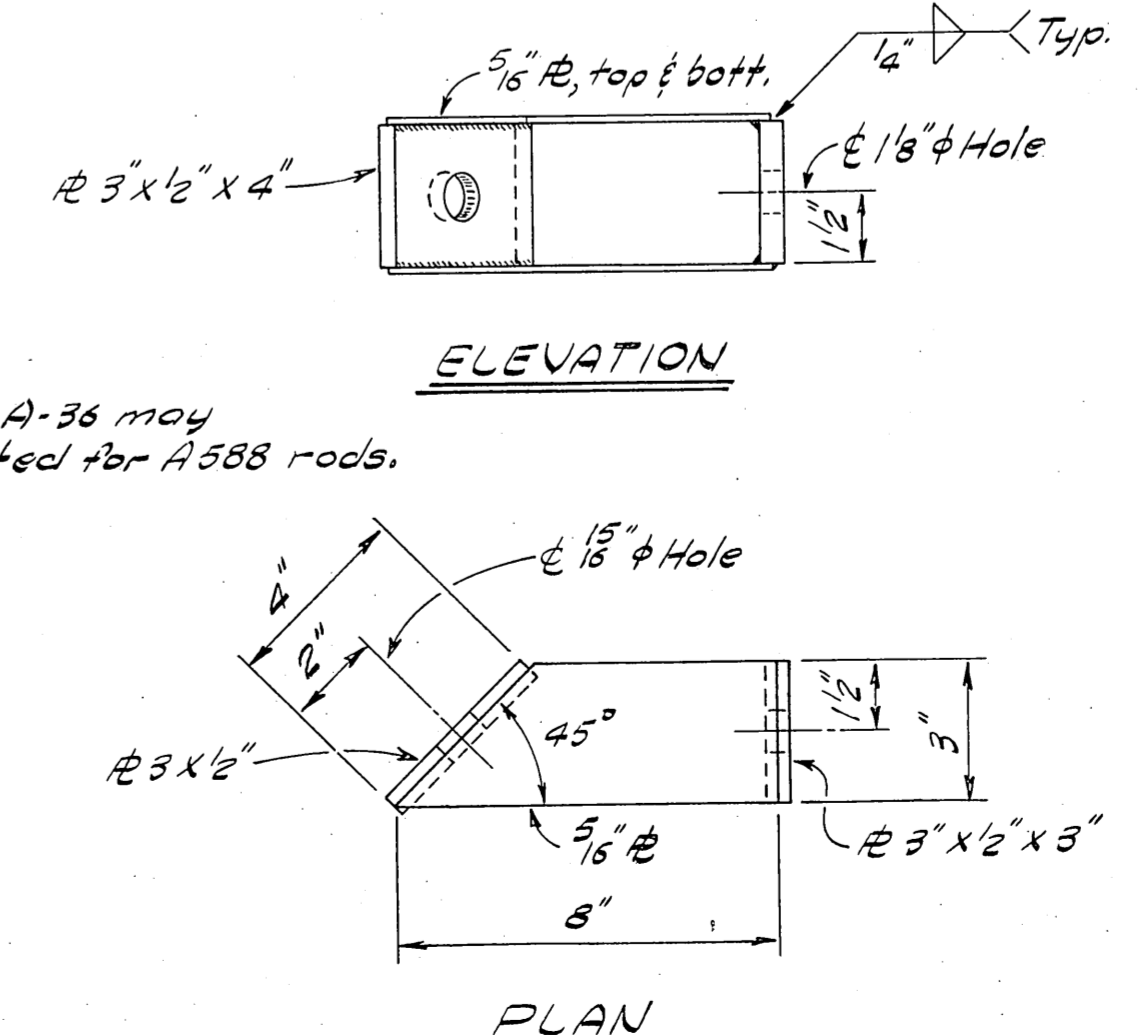
FLOORBEAM DETAIL AT SPLICE



SECTION A-A



LATERAL BRACING CONNECTION DETAIL



ELEVATION

PLAN

FLOORBEAM LOCATION	LEFT GIRDER DIMENSION "L"	RIGHT GIRDER DIMENSION "R"
1	13 3/4"	2 3/8"
2	13 1/4"	2 3/4"
3	12 3/8"	3 1/4"
4	12 3/8"	3 3/4"
5	11 7/8"	4 1/8"
6	11 1/2"	4 5/8"
7	11 1/2"	4 5/8"
8	11 1/4"	5 1/4"
9	11 1/8"	6"
10	11"	6 7/8"
11	11"	7 7/8"
12	11 1/8"	8 7/8"
13	11 1/8"	8 7/8"
14	11 1/4"	9 7/8"
15	11 1/8"	10 3/8"
16	10 5/8"	11"
17	9 7/8"	11 1/8"
18	8 7/8"	11 1/4"
19	8 7/8"	11 1/4"
20	7 7/8"	11 5/8"
21	6 3/4"	10 7/8"
22	5 5/8"	10 3/8"
23	4 5/8"	10 1/2"
24	3 7/8"	10 3/8"
25	3 7/8"	10 3/8"
26	3 1/2"	11"
27	2 3/4"	11 1/2"
28	2 1/2"	12 1/8"
29	2 1/4"	12 3/4"
30	1 7/8"	13 1/4"

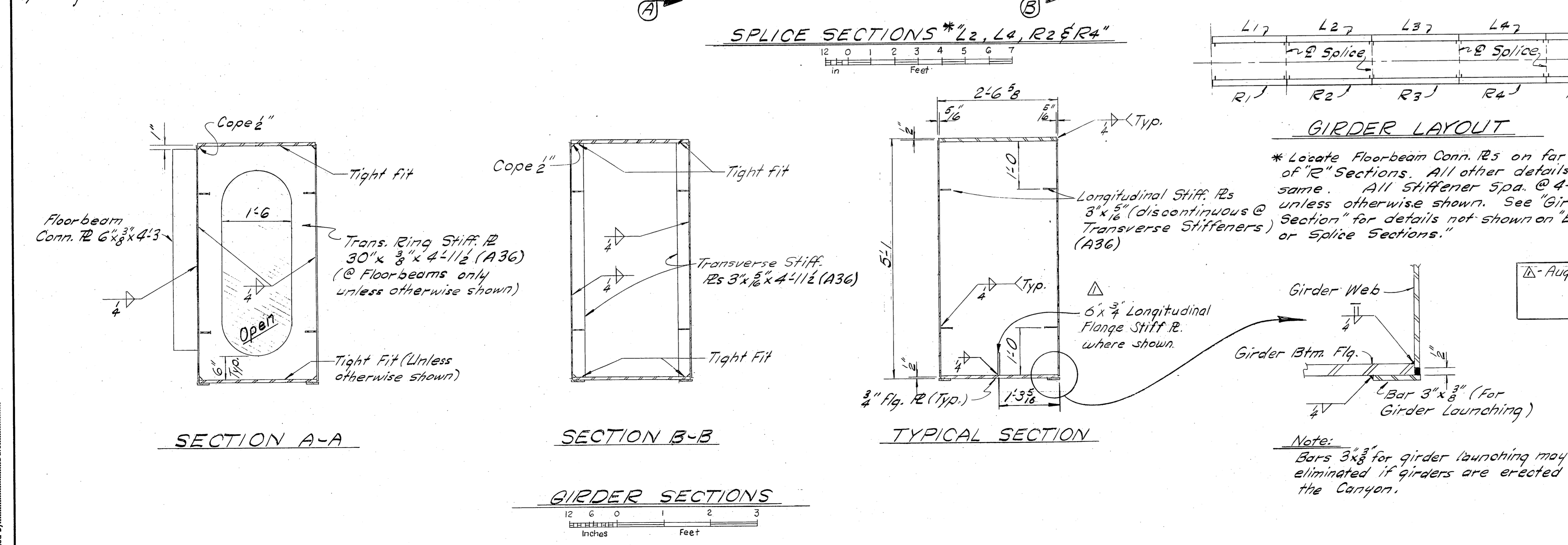
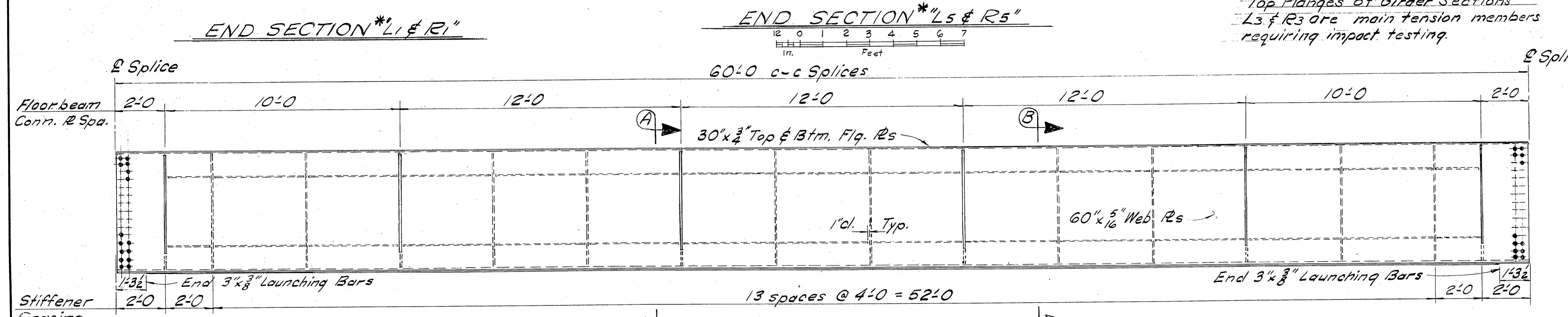
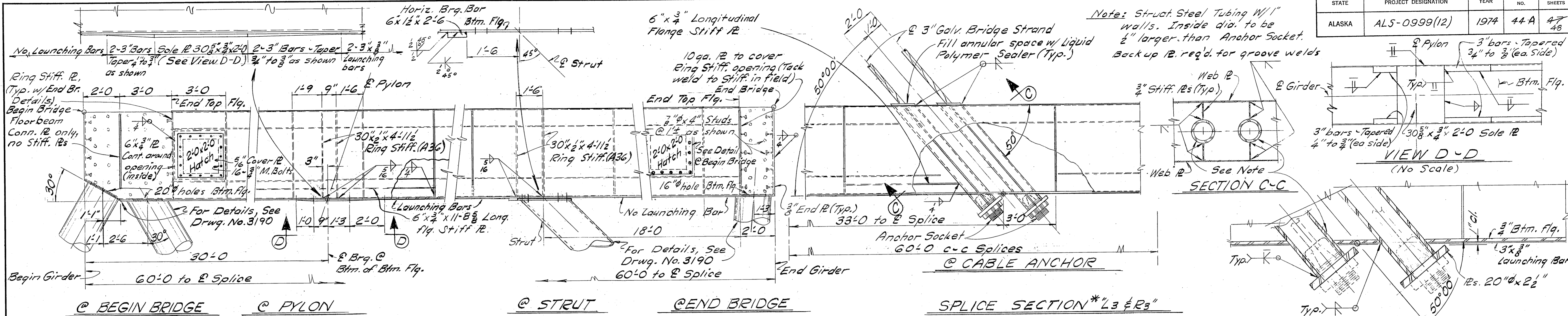
CAPT. WILLIAM MOORE CREEK  
ROUTE NO. S-999  
TYPICAL SECTION

State of Alaska  
DEPARTMENT OF HIGHWAYS  
Juneau, Alaska

Date 7-18-74  
Approved [Signature]  
BRIDGE NO. 1304  
DWNG. NO. 3194

Designed By: [Signature]  
Checked By: [Signature]  
Drawn By: [Signature]  
Checked By: [Signature]  
Traced By: [Signature]

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	ALS-0999(12)	1974	44 A	47



Designed By: *EL* Date: 6-74  
 Checked By: *DHP* Date: 6-74  
 Traced By: \_\_\_\_\_ Date: \_\_\_\_\_

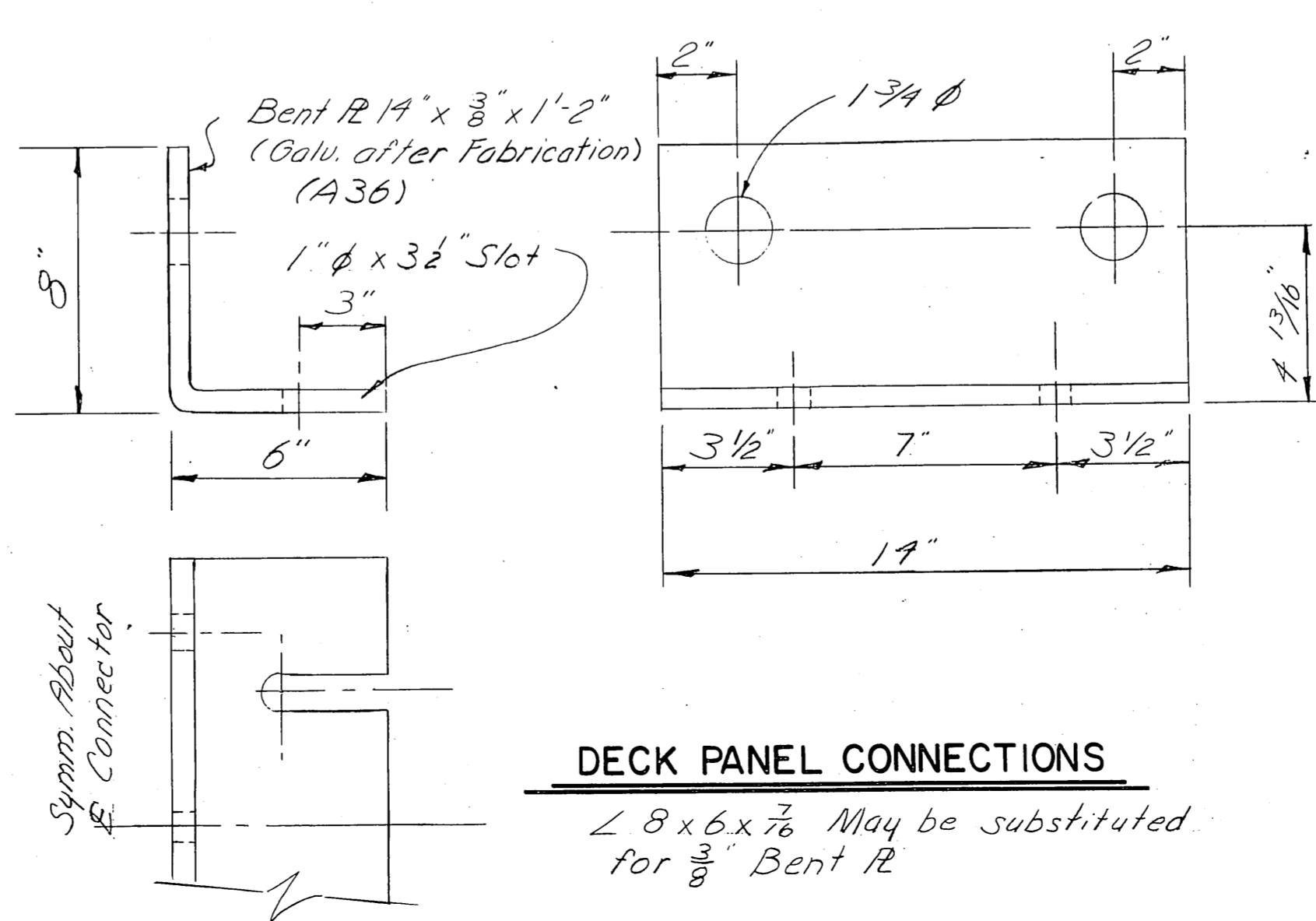
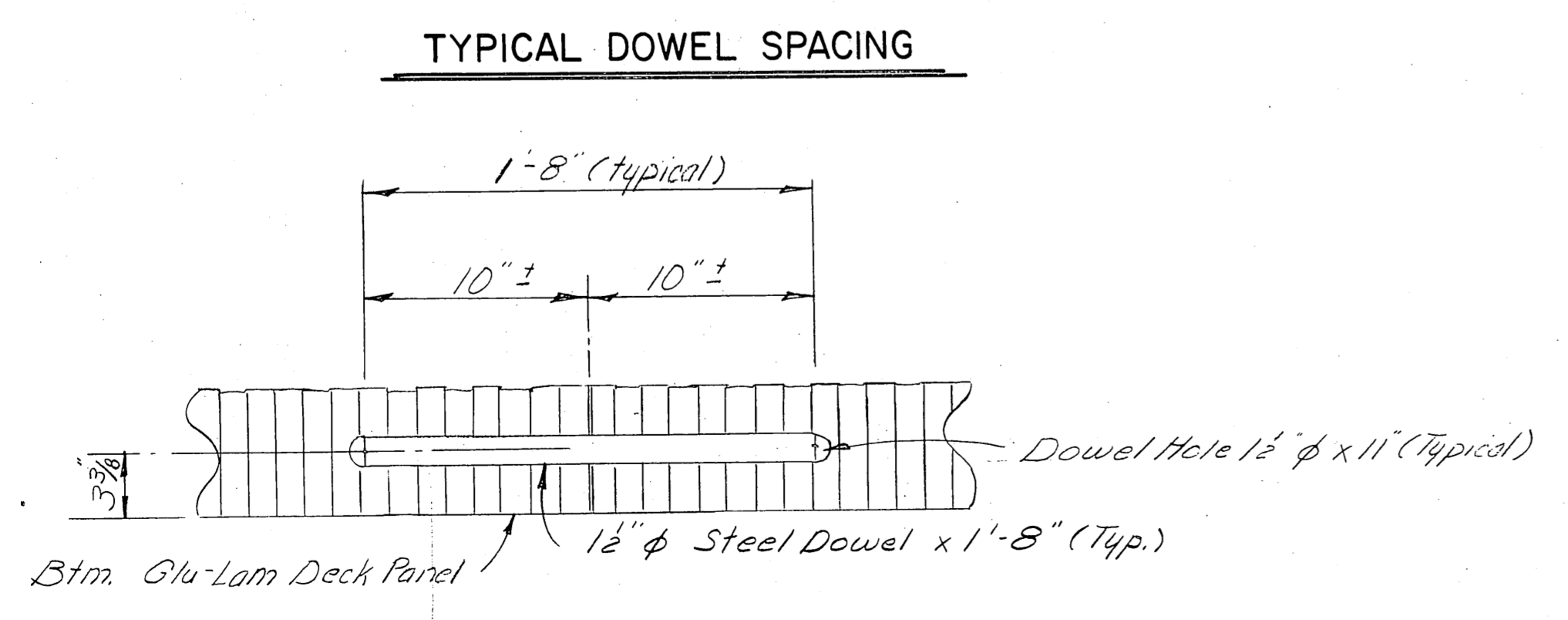
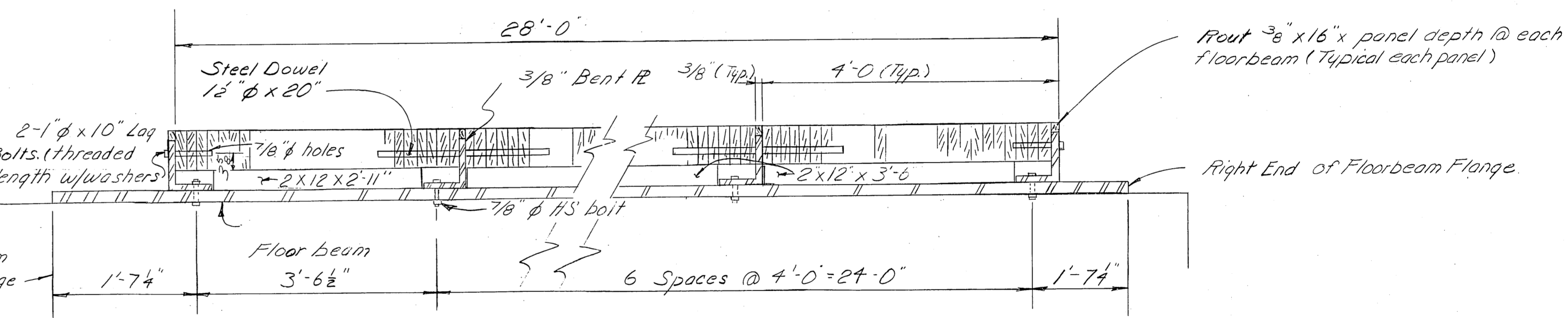
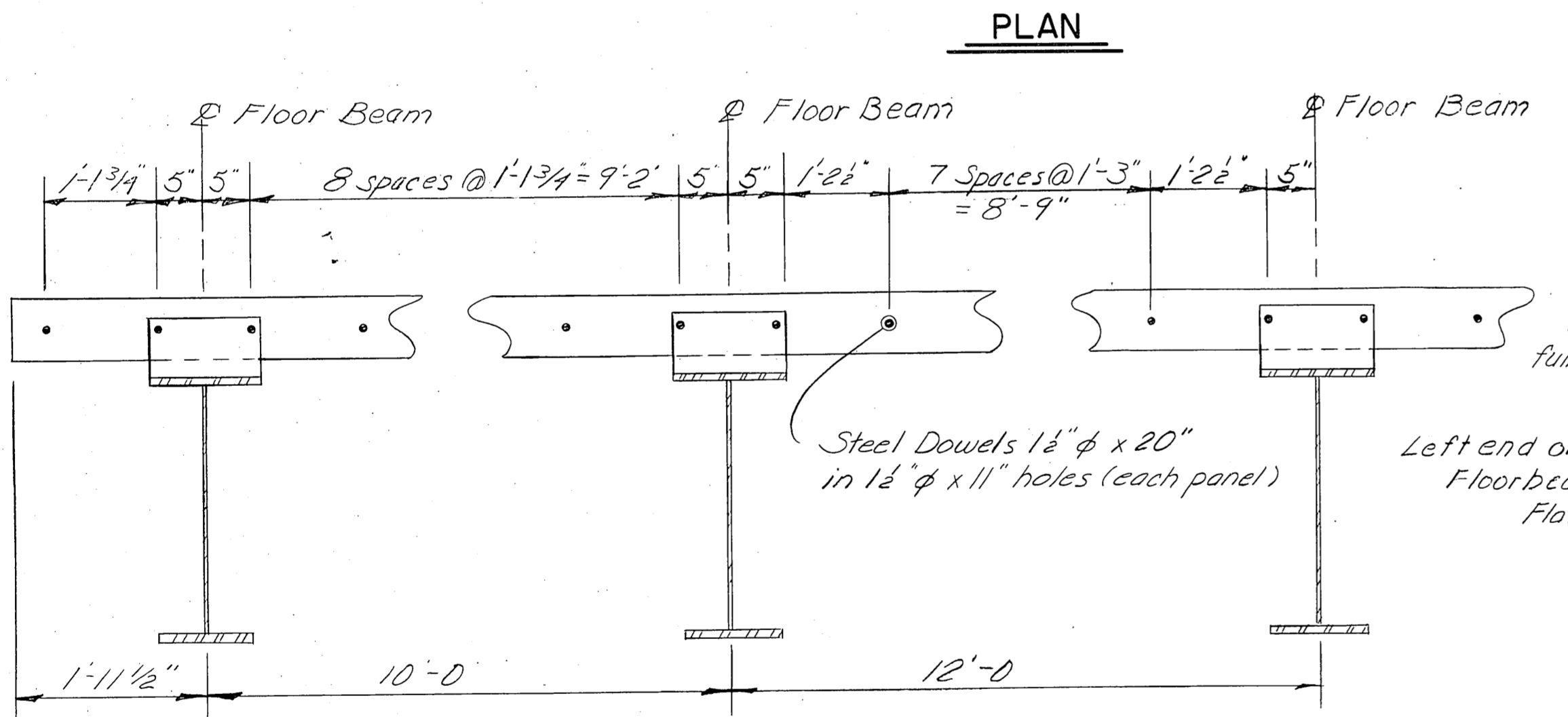
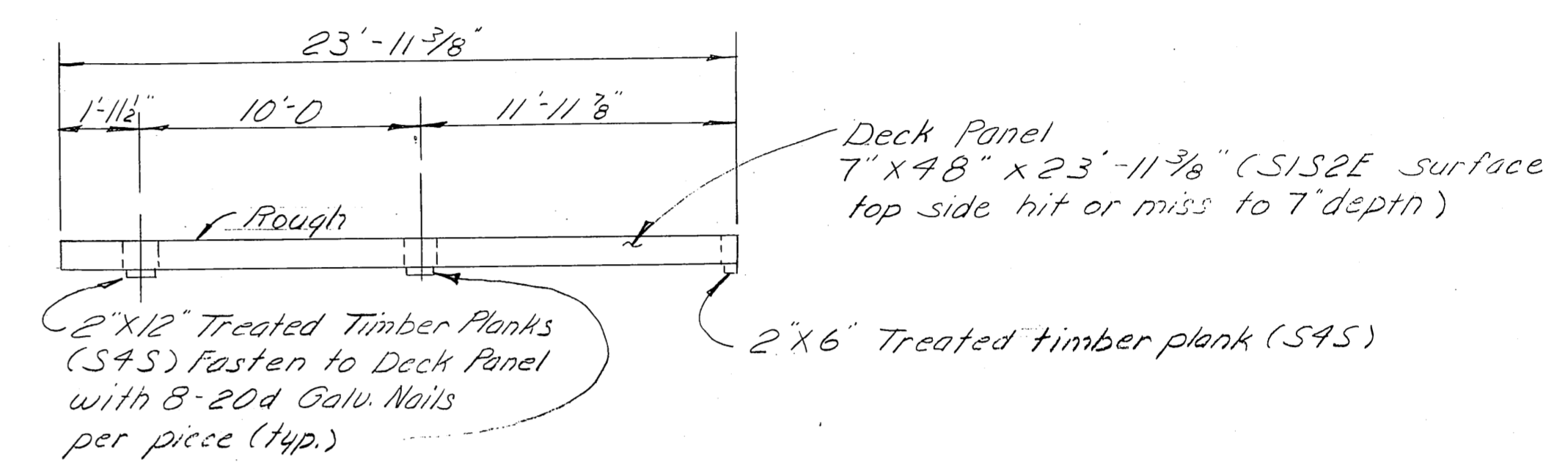
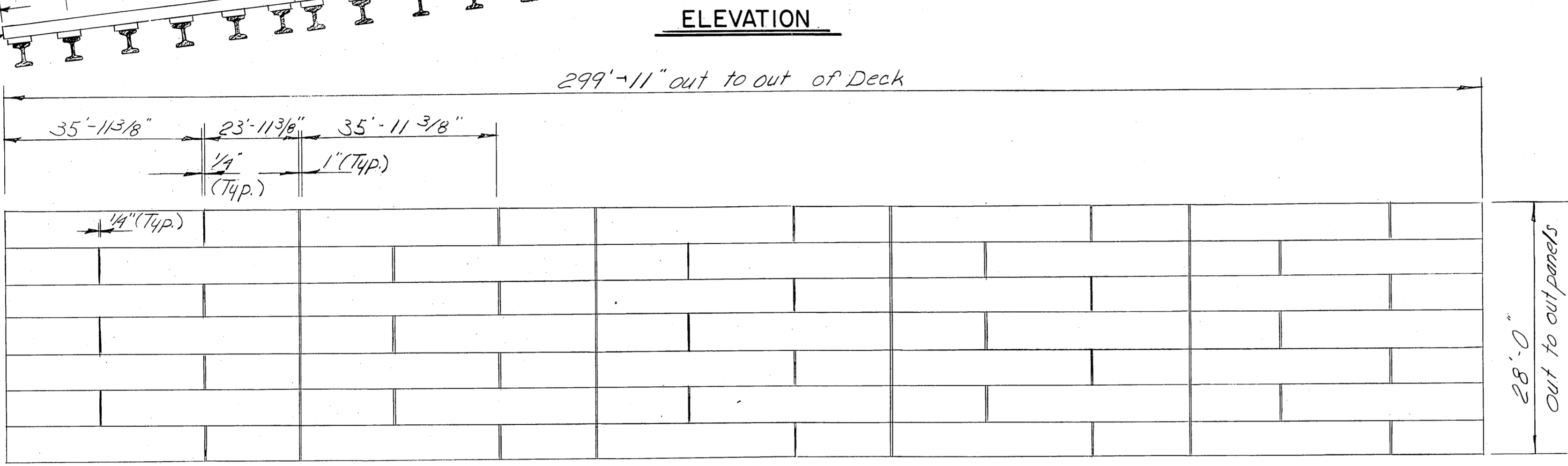
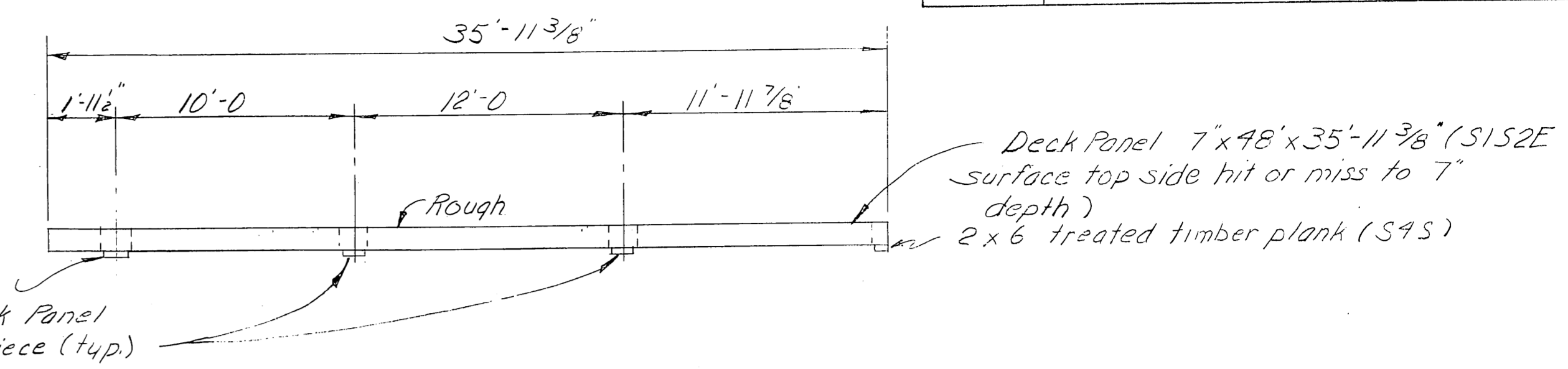
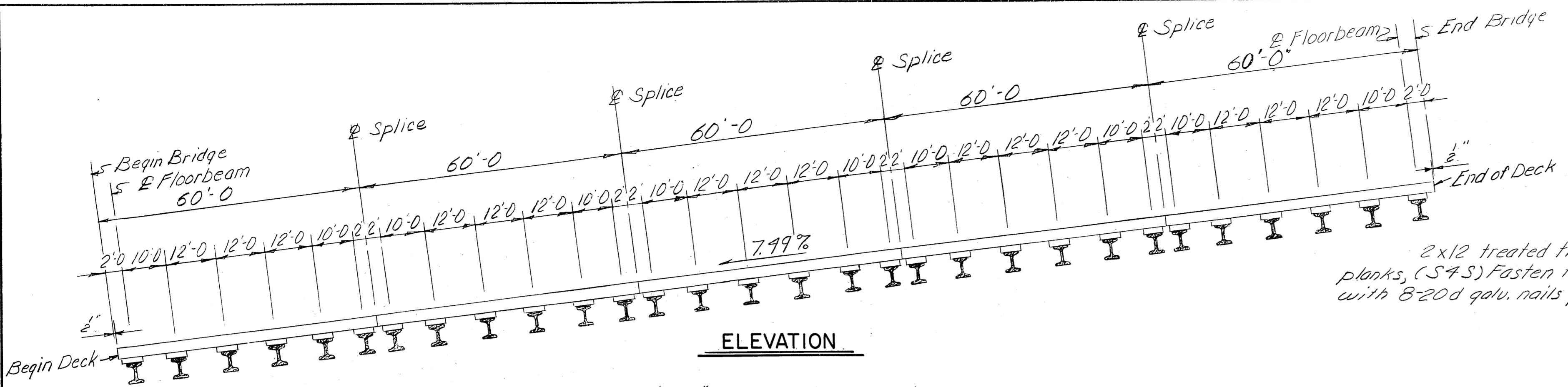
CAPT. WILLIAM MOORE CREEK  
 ROUTE NO. S-999  
**GIRDERS**

State of Alaska  
**DEPARTMENT OF HIGHWAYS**  
 Juneau, Alaska

Date: 7-18-74  
 Approved: *[Signature]*

BRIDGE NO. 1304  
 DWNG. NO. 3195 A

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	ALS-0999(12)	1974	45	48



Designed By: J. J. ...  
 Checked By: J. J. ...  
 Drawn By: J. J. ...  
 Checked By: J. J. ...  
 Traced By: J. J. ...

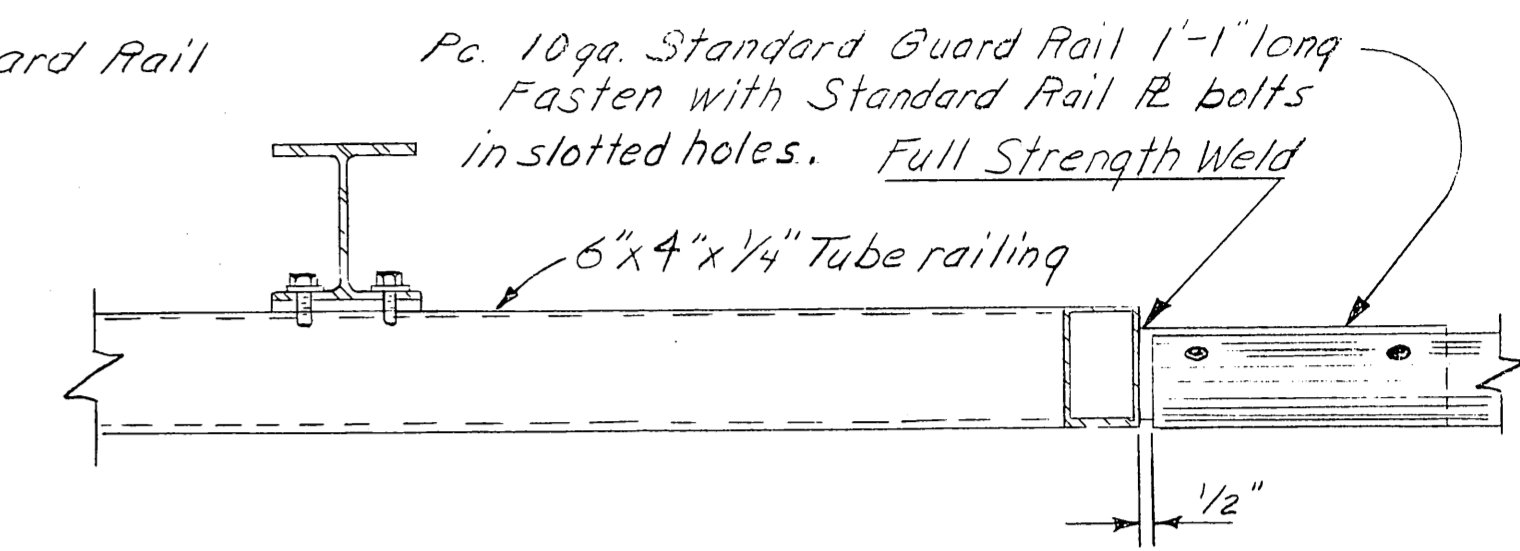
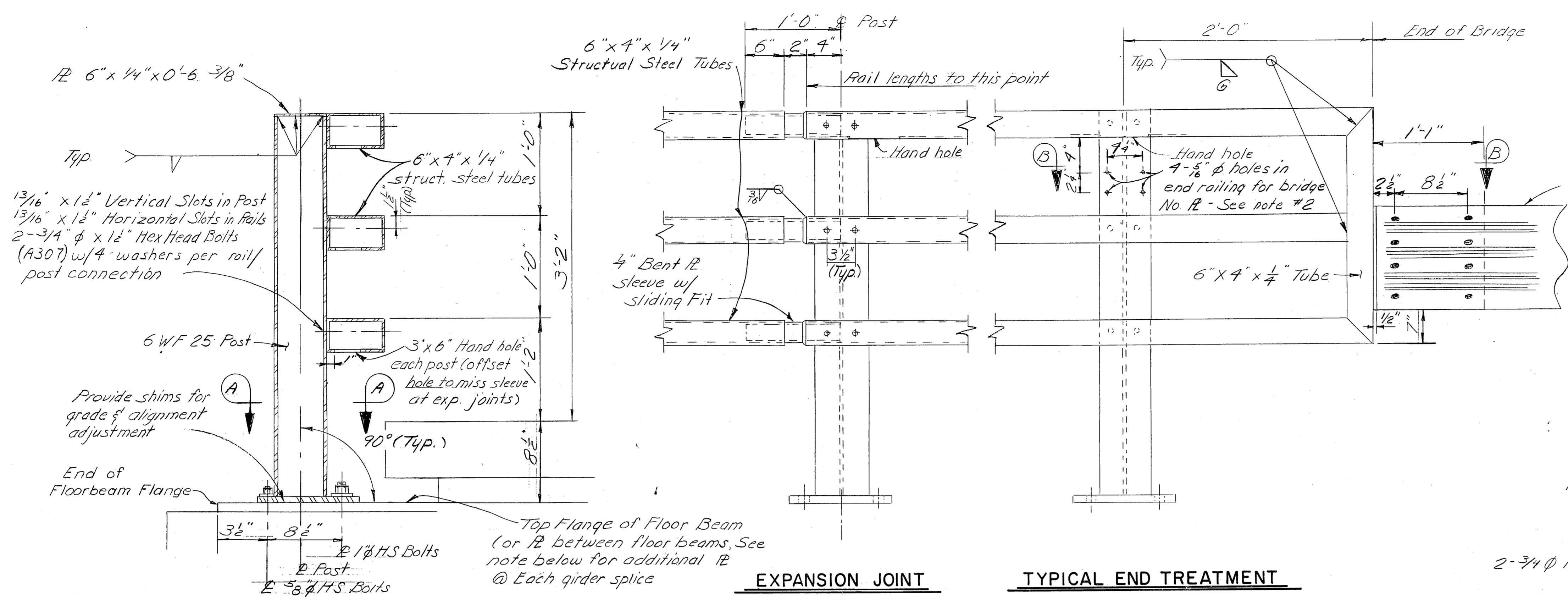
CAPT. WILLIAM MOORE CREEK  
 ROUTE NO. S-999  
 DECK PANELS

State of Alaska  
**DEPARTMENT OF HIGHWAYS**  
 Juneau, Alaska

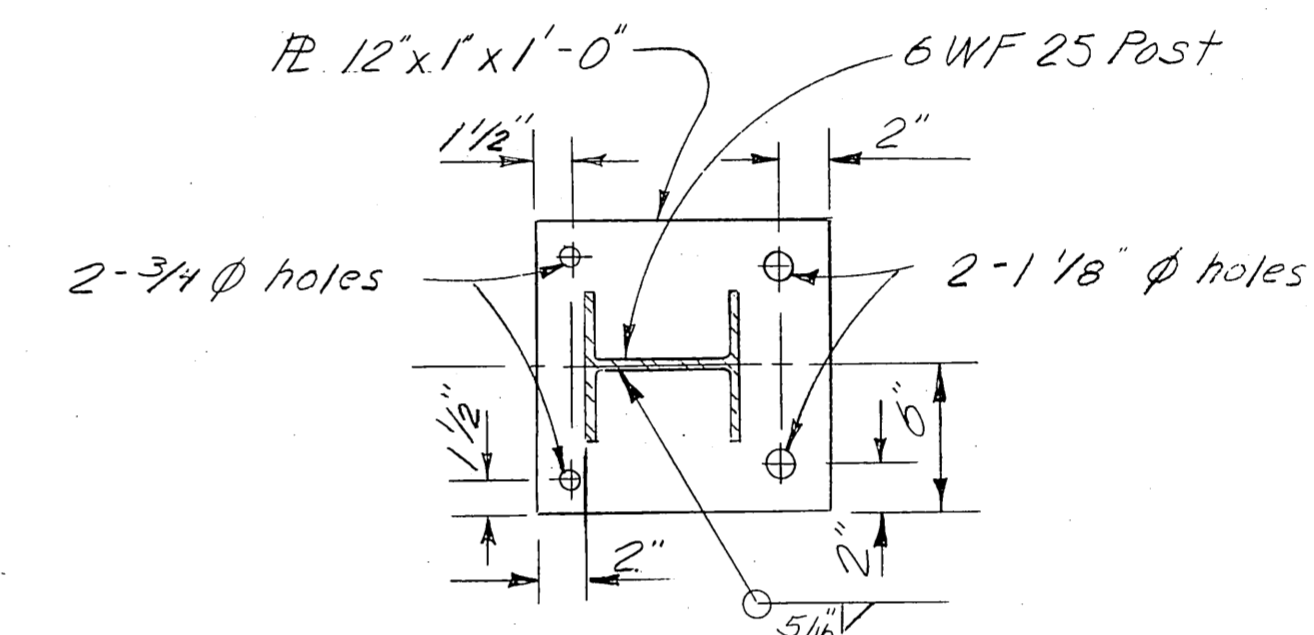
Date 7-18-74  
 Approved: [Signature]

BRIDGE NO. 1304  
 DWNG. NO. 3196

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	ALS-0999(12)	1974	46	48



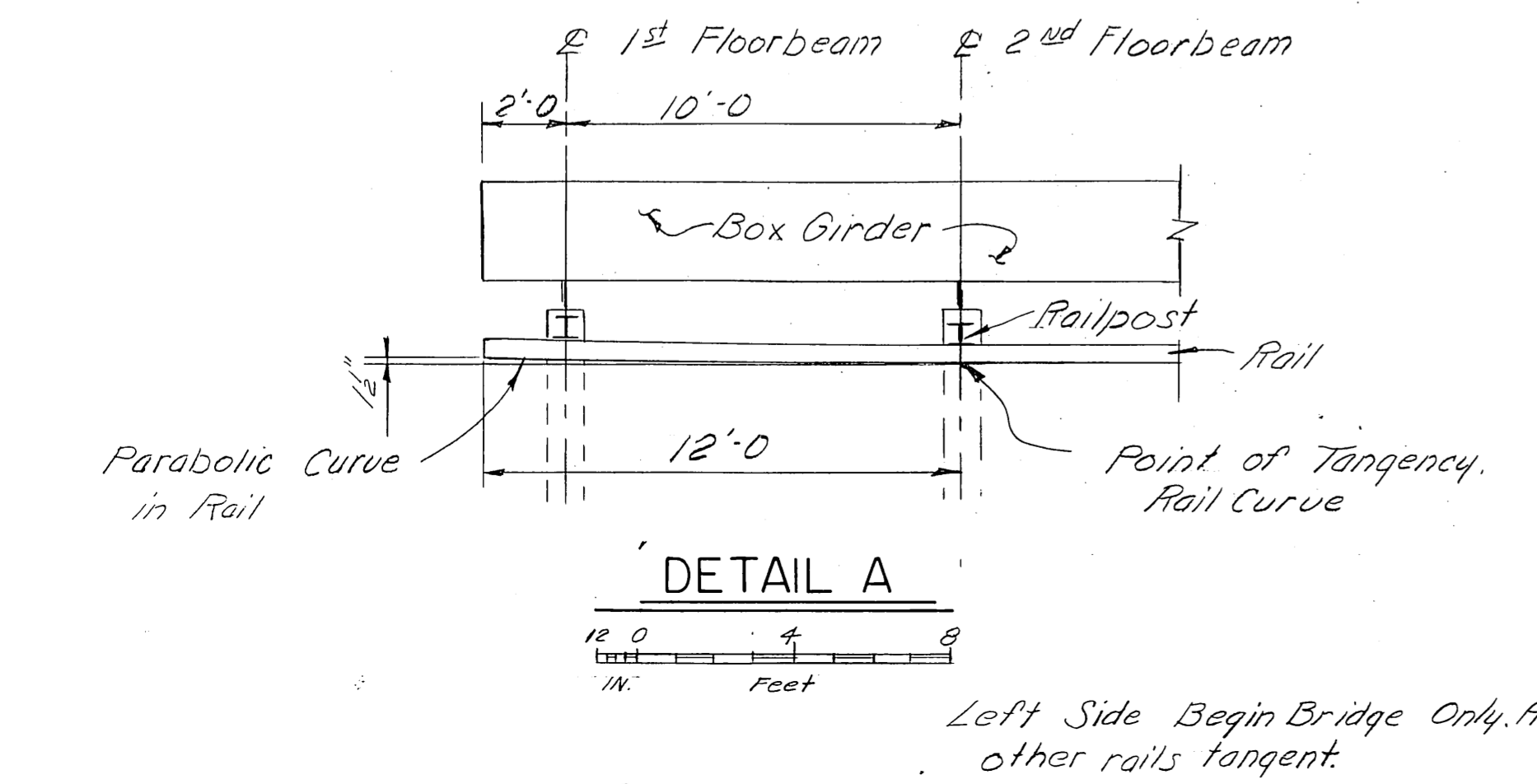
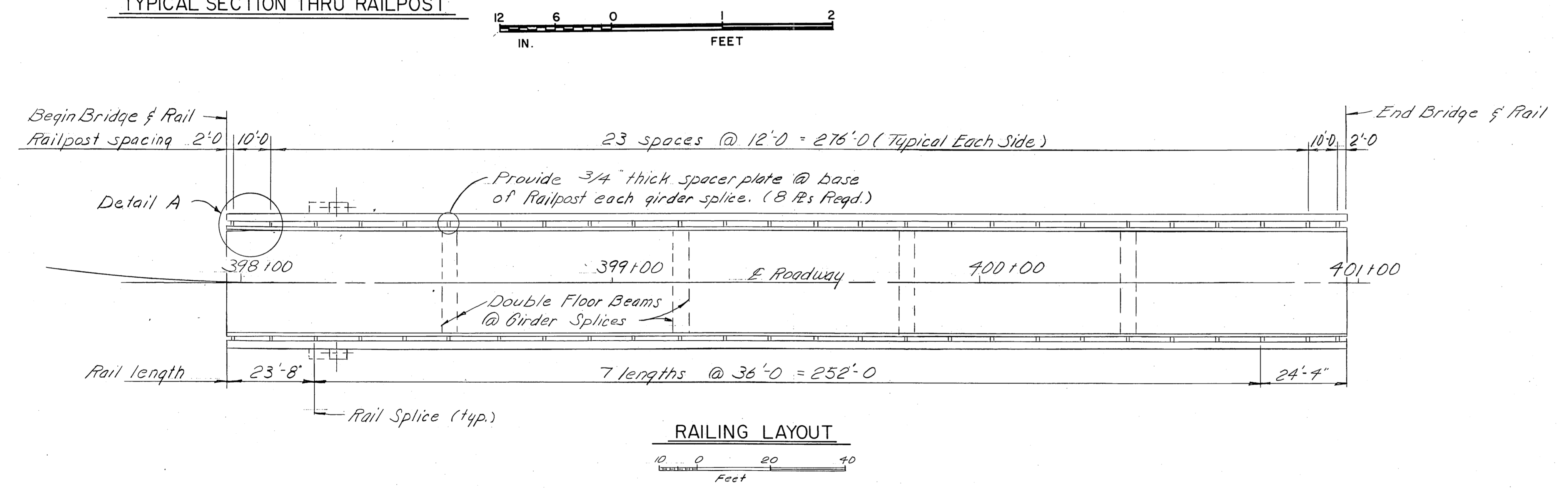
SECTION B-B



SECTION A-A

**Notes**

- (1) All railing, post, anchor assemblies and other steel components shall be fabricated from ASTM A588 (Weathering) Steel, or A36 Steel galv. after fabrication.
- (2) Locate State -Furnished bridge number to the right of approaching traffic on first railpost.



Left Side Begin Bridge Only. All other rails tangent.

Designed By: [Signature]  
 Checked By: [Signature]  
 Drawn By: [Signature]  
 Checked By: [Signature]  
 Traced By: [Signature]

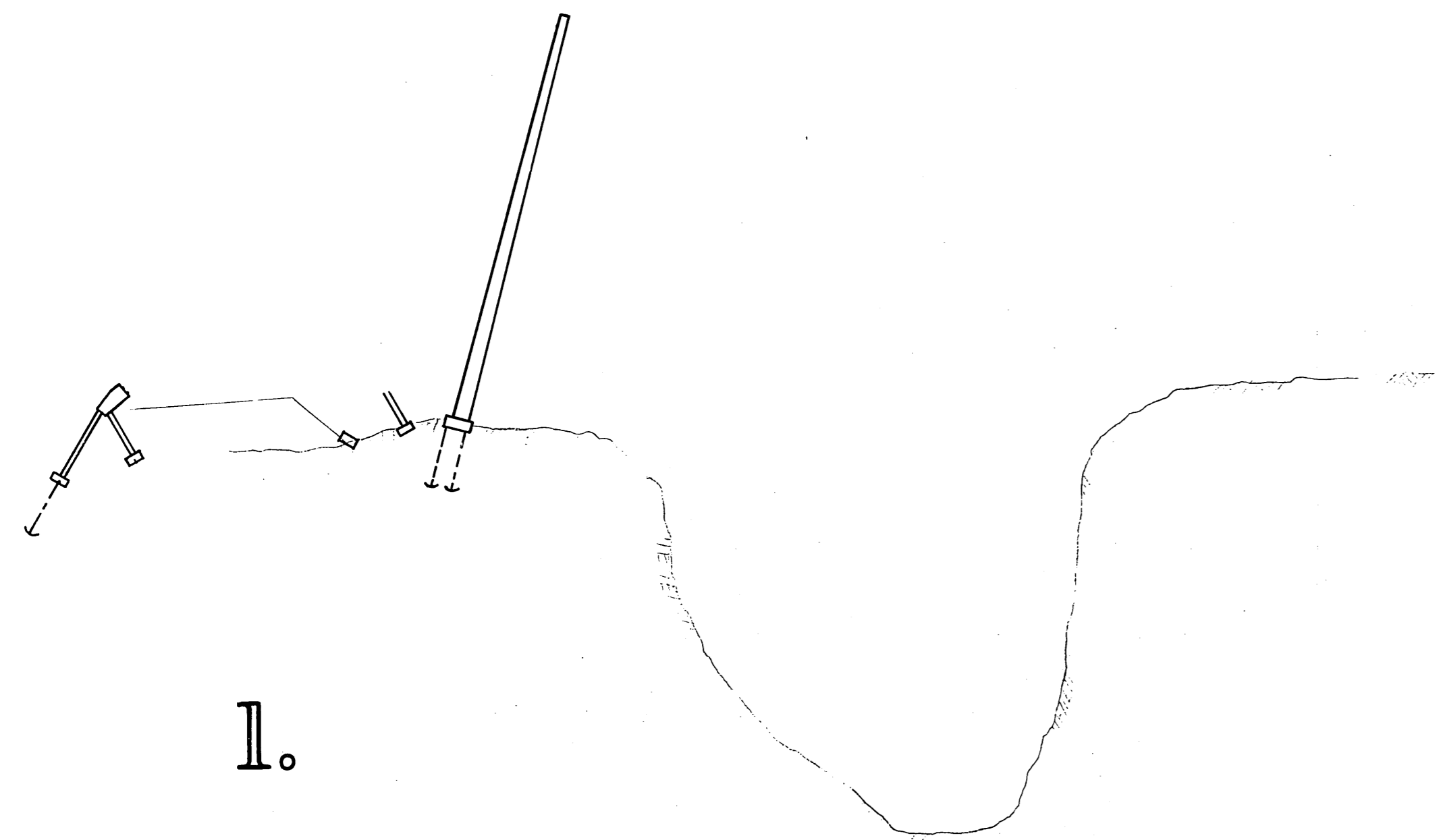
CAPT. WILLIAM MOORE CREEK  
 ROUTE NO. S-999  
 RAILING

State of Alaska  
**DEPARTMENT OF HIGHWAYS**  
 Juneau, Alaska

BRIDGE NO. 1304  
 DWNG. NO. 3197

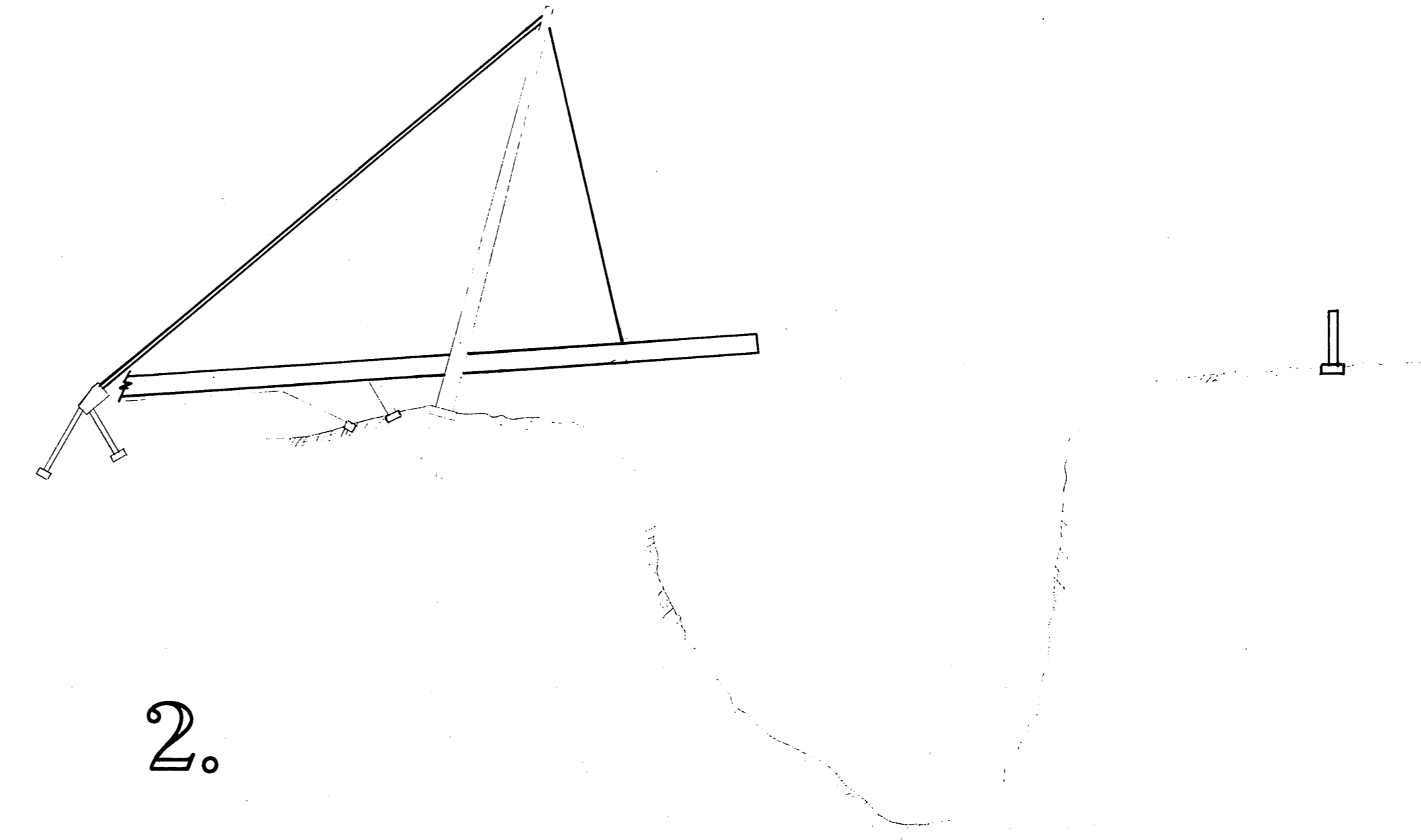
Date 7-18-74  
 Approved [Signature]

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	ALS-0999(12)	1974	47	48



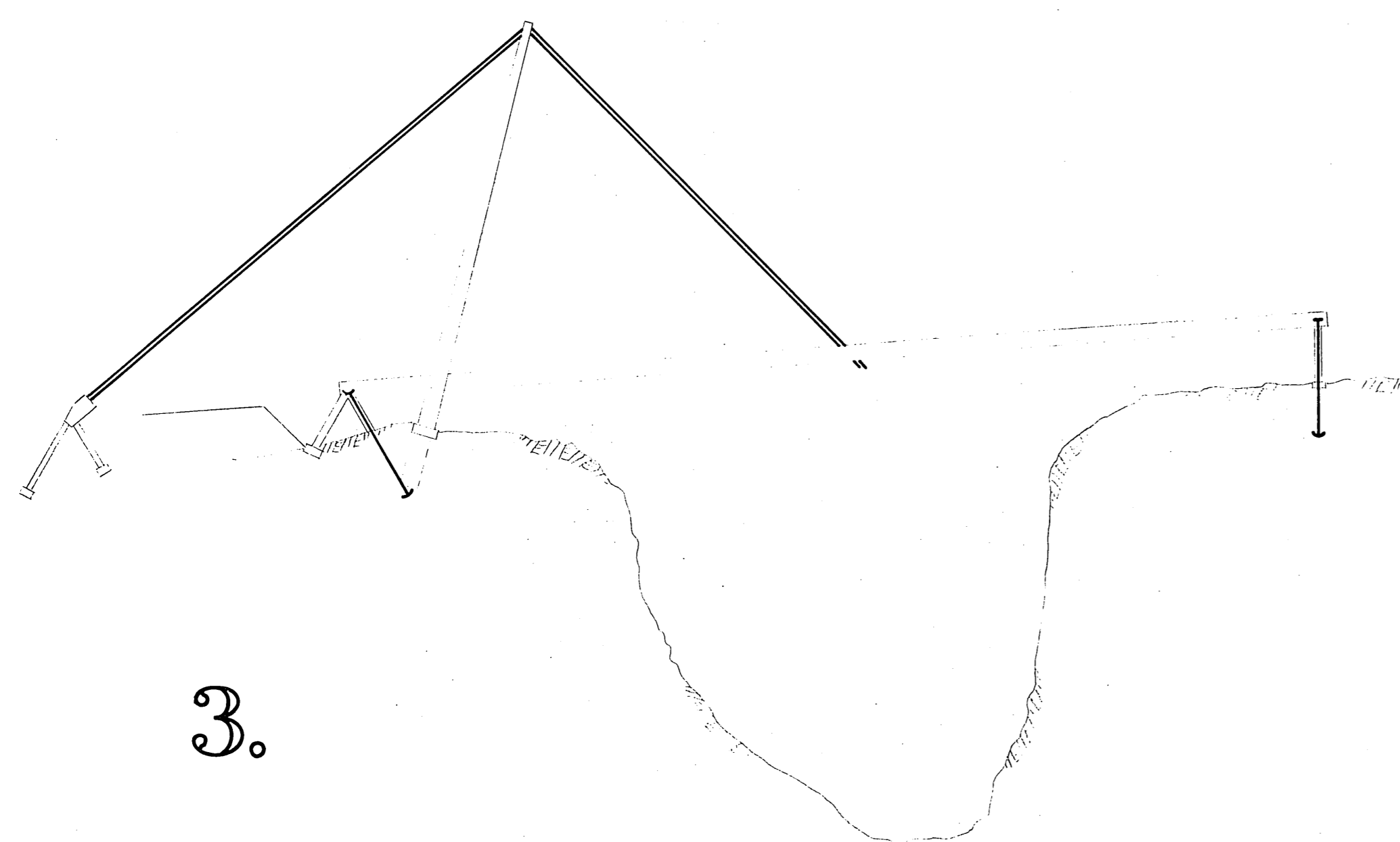
1.

1. Construct Cable Anchors, Pylon bases & Girder supports (South Side).
2. Erect pylons and prestress rock anchors for pylons and cable anchors.
3. Install temporary cables (or highline) necessary for superstructure erection.



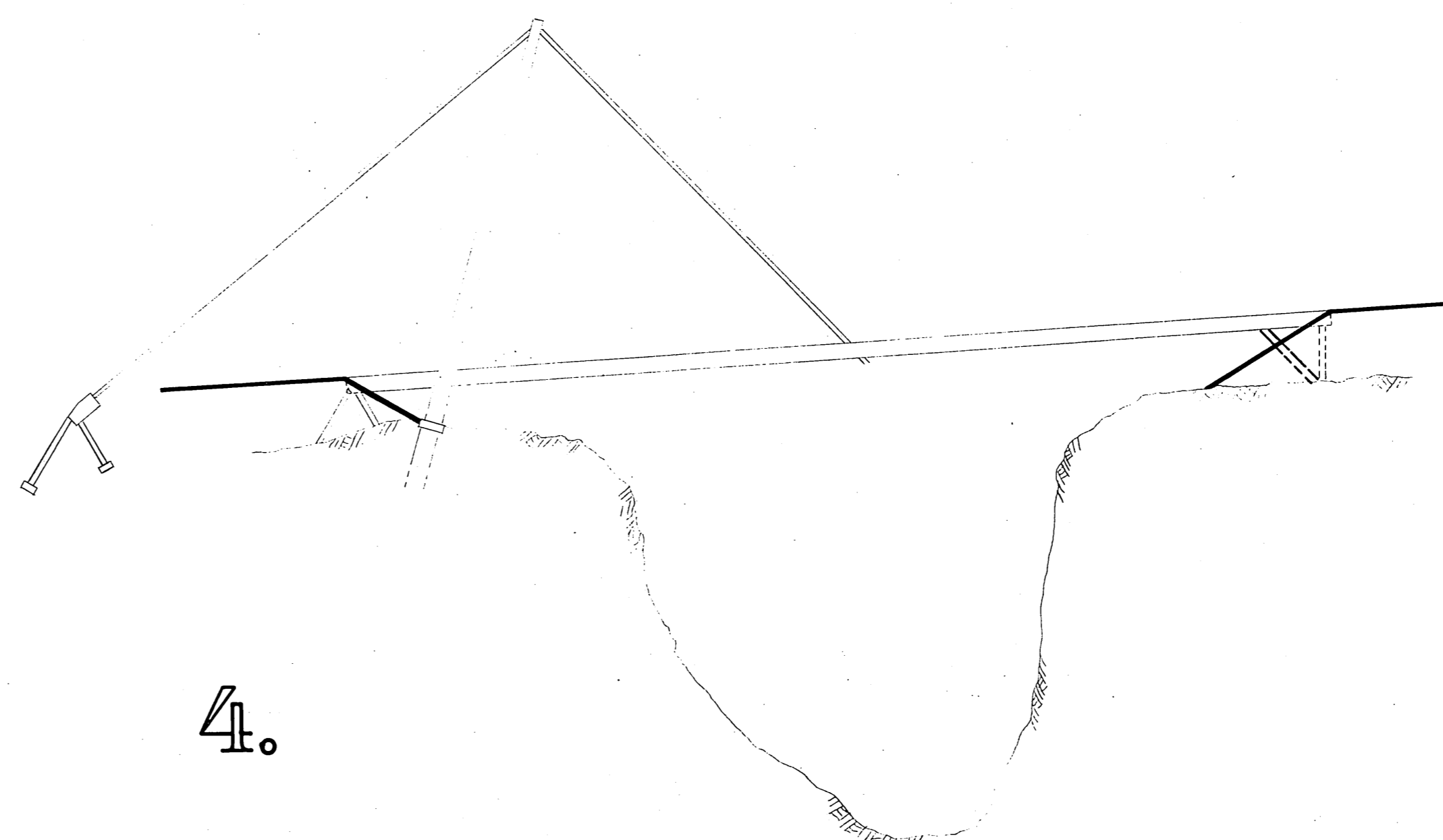
2.

4. Assemble Superstructure on grade.
5. Launch complete superstructure (or erect girders and install floorbeams, deck and rail over canyon). Install permanent cables.
6. Construct girder supports (North Side).



3.

7. Complete girder supports (except Struts at End Bridge) and prestress rock anchors at girder ends.
8. Adjust Cable Tension:
  - a) 160\* tension/cable in backstays
  - b) 110\* ± tension/cable in forestays
  - c) Check: Top of girder at cable anchorage should be 4 inches above a straight line connecting top of girders at bridge ends.



4.

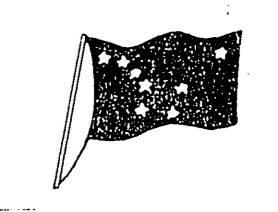
9. Install struts at End Bridge.
10. Grout and place concrete necessary to protect rock anchors.
11. Complete approach fills.

NOTE: A detailed erection scheme shall be submitted by the contractor for review and approval by the Engineer.

CAPT. WILLIAM MOORE CREEK  
 ROUTE NO. S-999  
 SUGGESTED  
 ERECTION SEQUENCE

State of Alaska  
**DEPARTMENT OF HIGHWAYS**  
 Juneau, Alaska

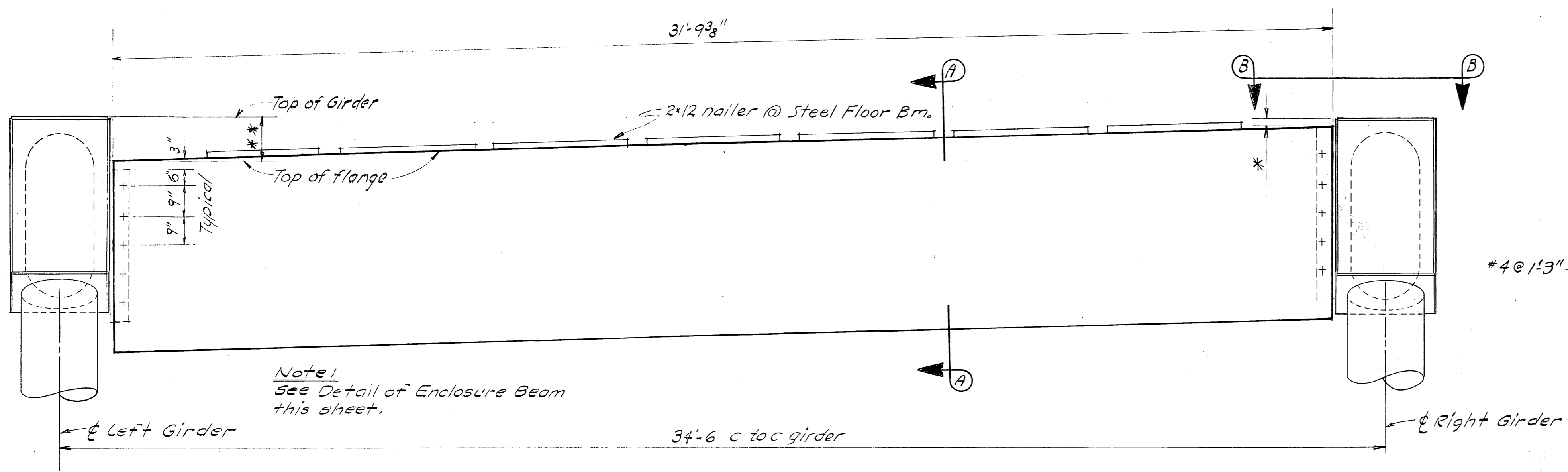
Date 7-18-74  
 Approved [Signature]



BRIDGE NO. 1304  
 DWNG. NO. 3198

Designed By: R.C. Date: \_\_\_\_\_  
 Checked By: G.T.H. Date: \_\_\_\_\_  
 Traced By: \_\_\_\_\_ Date: \_\_\_\_\_

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	ALS-0999(12)	1974 1977	48	48

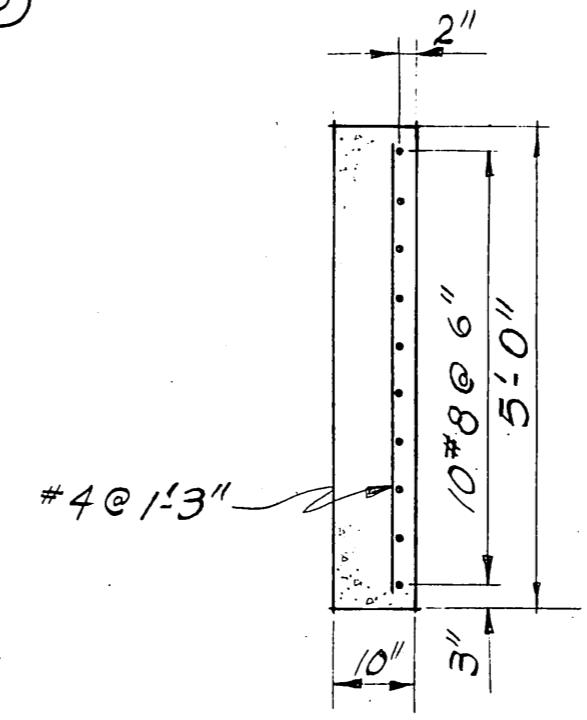


Note:  
See Detail of Enclosure Beam  
this sheet.

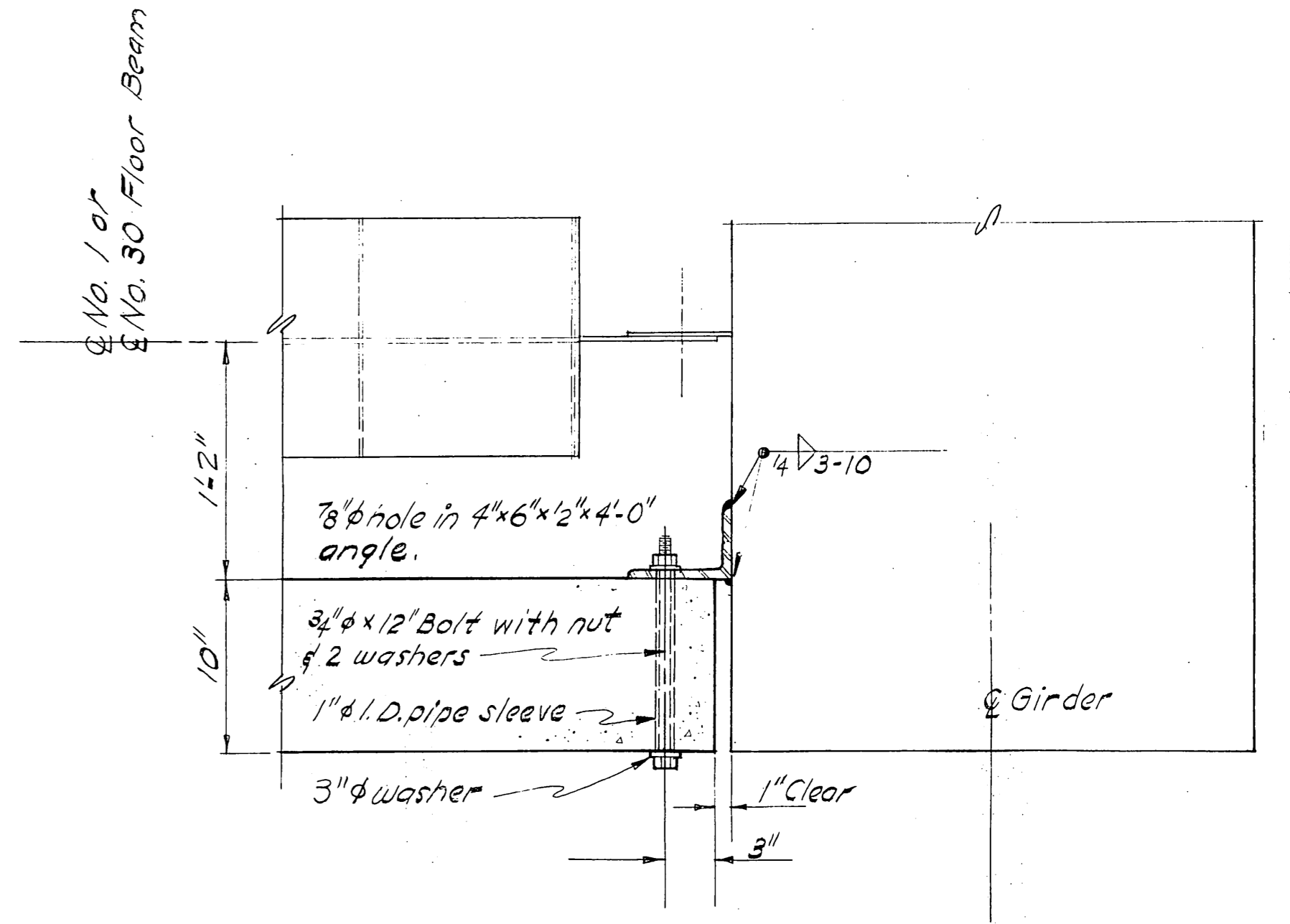
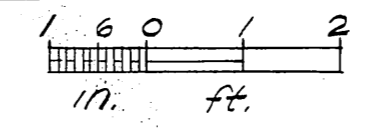
ELEVATION



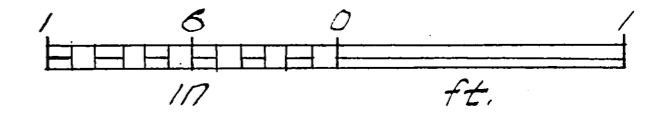
Note:  
Elevation shown looking ahead on station.  
Floorbeam #1 shown, at Floorbeam #30 place  
re-steel in opposite face.



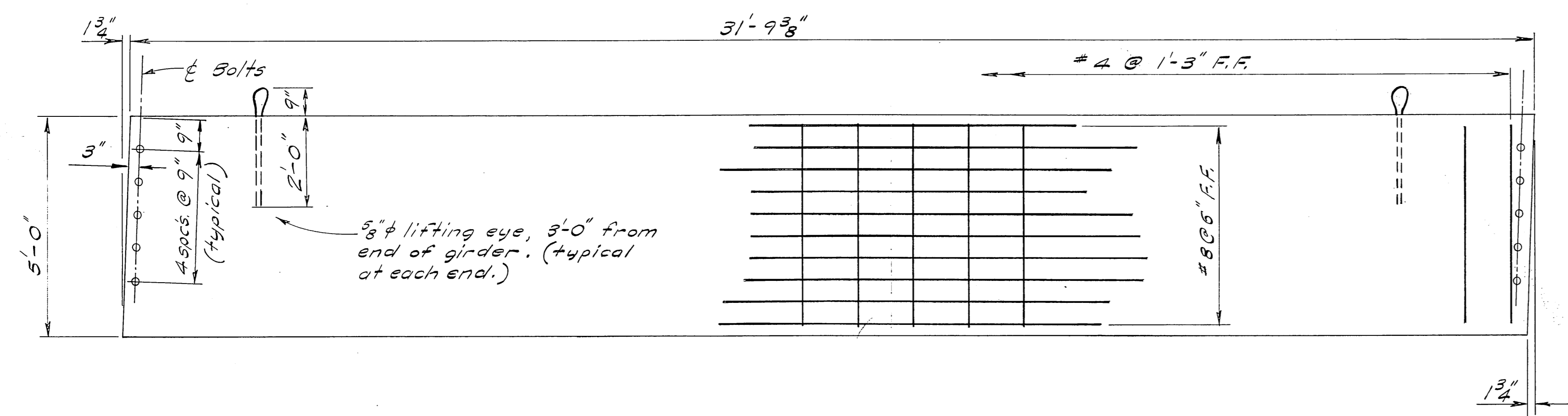
SECTION A-A



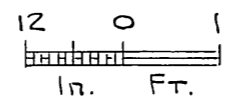
PLAN VIEW B



\* Floor Beam #1 = 15 $\frac{3}{8}$ " , #30 = 12 $\frac{1}{2}$ "  
\*\* Floor Beam #1 = 13" , #30 = 1 $\frac{1}{8}$ "



DETAIL OF ENCLOSURE BEAM



Note:  
Contractor may at his option substitute  
a 10 $\frac{3}{4}$ " x 60" x 31'-9 $\frac{3}{8}$ " lg. Glu-Lam Timber  
Girder for enclosure. Connection details  
same as shown for concrete enclosure  
except drill 7/8"  $\phi$  holes in glu-lam for 3/4"  $\phi$  bolts.  
Unit Stress:  
Glu-Lam Timber Girder = 1100 psi.  
Grade = L2

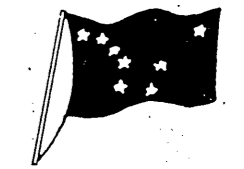
ESTIMATE OF QUANTITIES		
ITEM	Unit	Total
Class "A" Concrete	C.Y.	10.0
Structural Steel, furnished, fabricated and erected.	Lb.	400
Reinforcing steel	Lb.	1900
Alternate Timber Girder	M&M	5.1

JUL 12 1976

CAPT. WILLIAM MOORE CREEK  
ROUTE NO. S-999  
ENCLOSURE DETAIL

State of Alaska  
DEPARTMENT OF HIGHWAYS  
Juneau, Alaska

Date 7-12-76  
Approved [Signature]



BRIDGE NO. \_\_\_\_\_  
DWNG. NO. \_\_\_\_\_

Designed By \_\_\_\_\_  
Checked By \_\_\_\_\_  
Drawn By \_\_\_\_\_  
Checked By \_\_\_\_\_  
Traced By \_\_\_\_\_