

**STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES**

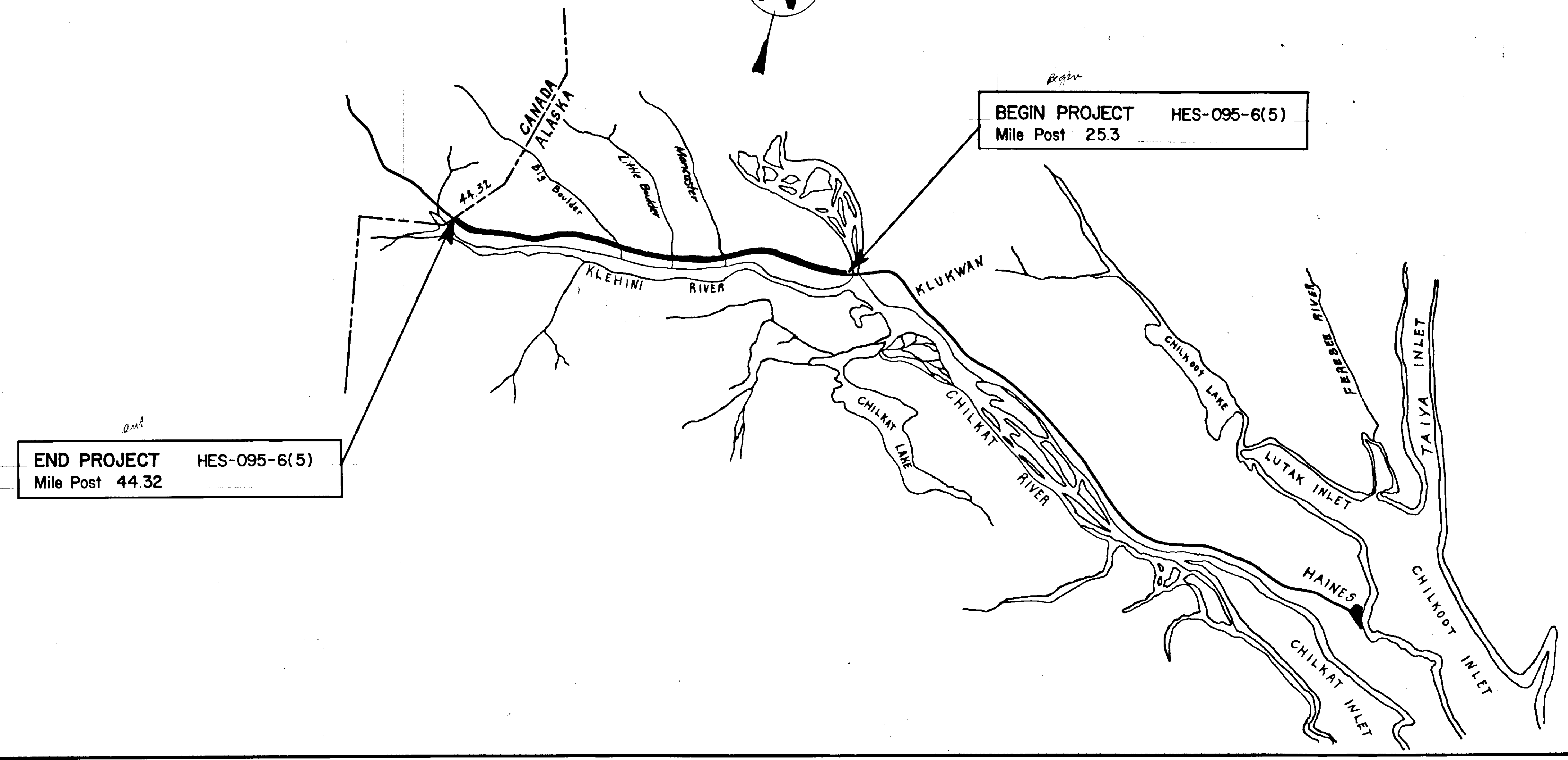
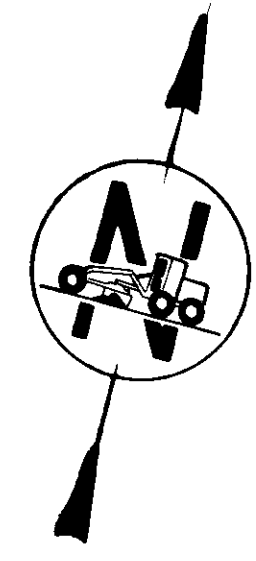
**PROPOSED HIGHWAY PROJECT
HES-095-6(5)
HAINES HIGHWAY
MILE 25.3 to CANADIAN BORDER
GUARDRAIL**

STATE	PROJECT	SHEET NO.	TOTAL SHEETS
ALASKA	HES-095-6(5)	1	9

SHT NO	INDEX OF SHEETS
1	TITLE SHEET
2	ESTIMATE OF QUANTITIES
2-8	PLAN
9	GUARDRAIL CONNECTION TO BRIDGE

THE FOLLOWING STANDARD DRAWINGS APPLY TO THIS PROJECT: A-1, C-00.04, C-10.03, C-11.03, G-04.15, G-04.34, G-13.15, G-14.07, G-15.00, G-18.12, G-24.00, G-24.10

*"AS BUILT" PLAN
WESTERN HIGHWAY UTILITIES
LARRY GEISE, P.E.
JUNE 1981 - JULY 1981*



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES

APPROVED
R. D. Miller DATE 2-11-81
SOUTHEASTERN REGION DESIGN/CONST. ENGINEER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES

APPROVED
[Signature] DATE 2/11/81
DIRECTOR - HIGHWAY DESIGN & CONSTRUCTION

ESTIMATE OF QUANTITIES

ITEM NO.	ITEM		
110 (1)	Mobilization	L.S.	All Req'd
111 (1)	Temporary Erosion & Pollution Control	C.S.	All Req'd
115 (1)	Traffic Maintenance	L.S.	All Req'd
203 (5C)	Borrow, Vehicle Measure	C.Y./M.	600 680
606 (1)	Beam Type Guardrail (Type I Post)	L.F.	19,250
606 (4)	Remove & Dispose of Guardrail	L.F.	3362.5

19,150
3,400

BEGINNING MILEAGE	L.F. GUARDRAIL INSTALLATION	END SECTIONS	LEFT	RIGHT	REMOVE & DISPOSE GUARDRAIL	CY. FILL
25.31	1000	2	X			
25.32			X		400	
25.54	525	2	X			
26.28	4450	2	X			
26.93			X		500	
27.75	1500	2	X			
28.41	1150	2	X			
28.80	75	1		X		
28.81				X	50	
28.81	50	1		X		
28.81			X		50	
28.83	50	1		X		
28.83				X	50	
28.83	75	1	X			
28.83			X		50	
29.16	300	2	X			
29.28	300	2	X			
29.74	450	2	X			
29.745			X		425	
30.08	600	2	X			
30.28	2125	2	X			

BEGINNING MILEAGE	L.F. GUARDRAIL INSTALLATION	END SECTIONS	LEFT	RIGHT	REMOVE & DISPOSE GUARDRAIL	CY. FILL
30.83	625	2	X			
31.45	500	2	X			
31.45			X		500	
31.55	75	1		X		
31.55				X	75	
31.555	50	1	X			
31.56			X		25	
31.58	50	1		X		
31.58				X	25	
31.58	75	1	X			
31.58			X		75	
32.10	175	2	X			
32.48	125	2				
33.78	75	1		X		
33.78				X	75	
33.785	50	1	X			
33.785			X		50	
33.81	50	1		X		
33.81				X	50	
33.81	75	1	X			
33.81			X		75	
34.16				X		300**

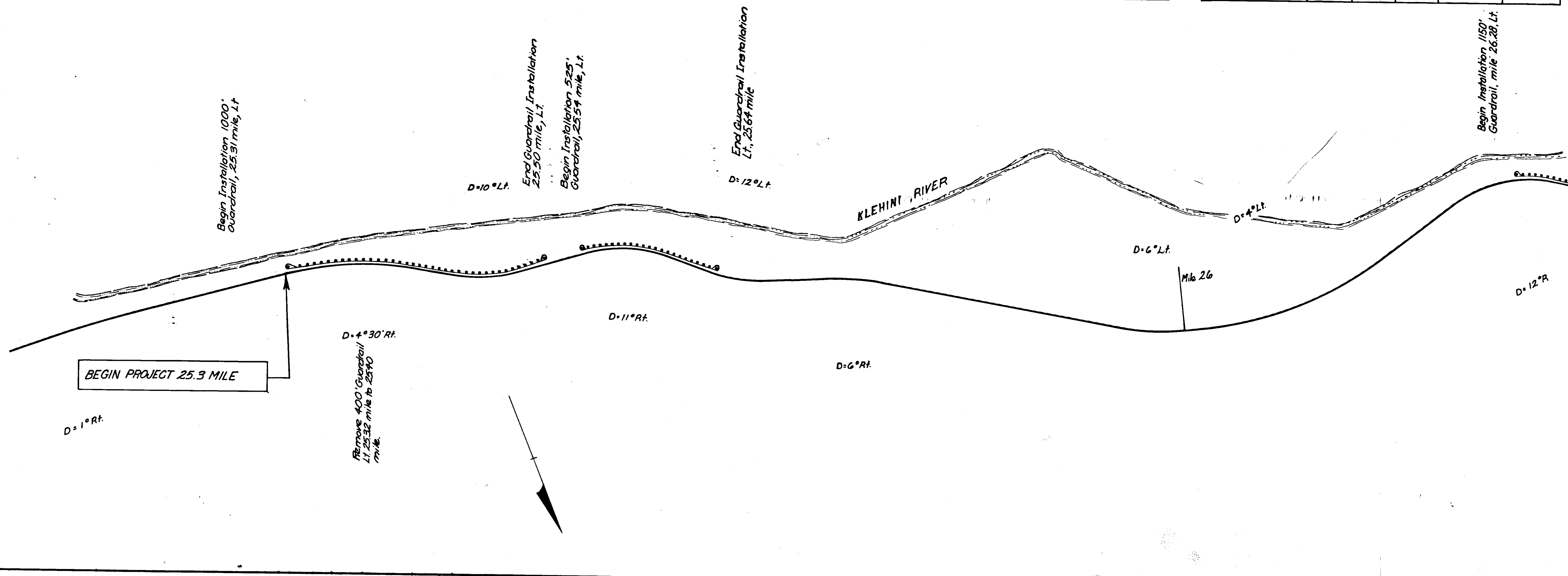
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	HES-095-6(5)	1981	2	9

BEGINNING MILEAGE	L.F. GUARDRAIL INSTALLATION	END SECTIONS	LEFT	RIGHT	REMOVE & DISPOSE GUARDRAIL	CY. FILL
34.29		1				
34.35	625	1	X			
34.35			X		50	
34.57				X		100**
34.94	375	2	X			
34.945			X		337.5	
35.69	950	2	X			
35.69			X		500	
36.19	450	2	X			
36.34	1000	2	X			
37.49	350	2	X			
						200*
TOTALS	19,250	52			3362.5	600

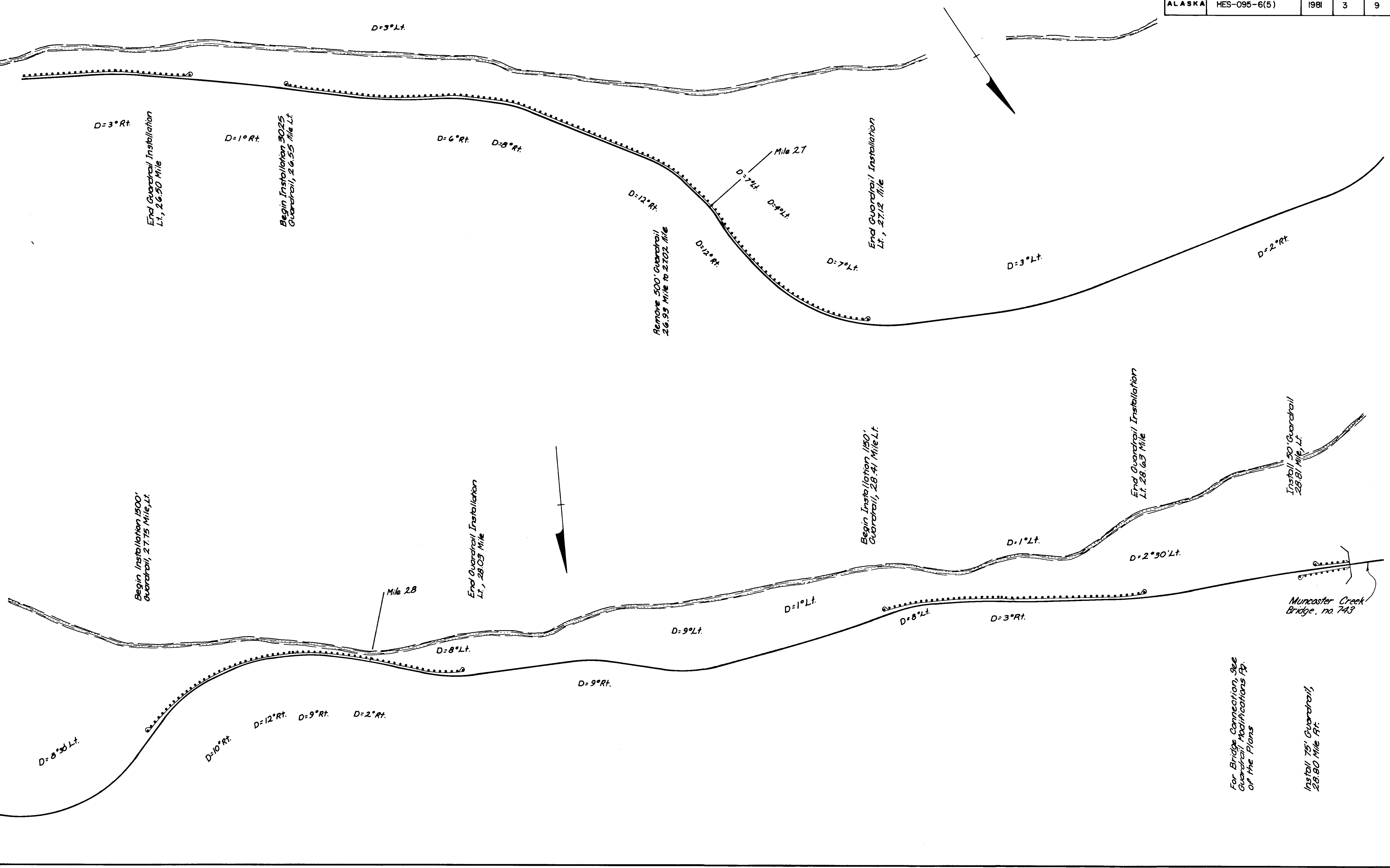
* For dress up around end of flares.
** To flatten slopes.

GENERAL NOTES

- Terminal ends shall be installed on existing guardrail where required on the plans, incidental to Bid Item 606(1).
- Milepoints on the plan sheets are approximate only; guardrail will be installed where staked by the project engineer.
- Useable rail and posts shall be stockpiled in the state maintenance yard incidental to Bid Item 606(4).



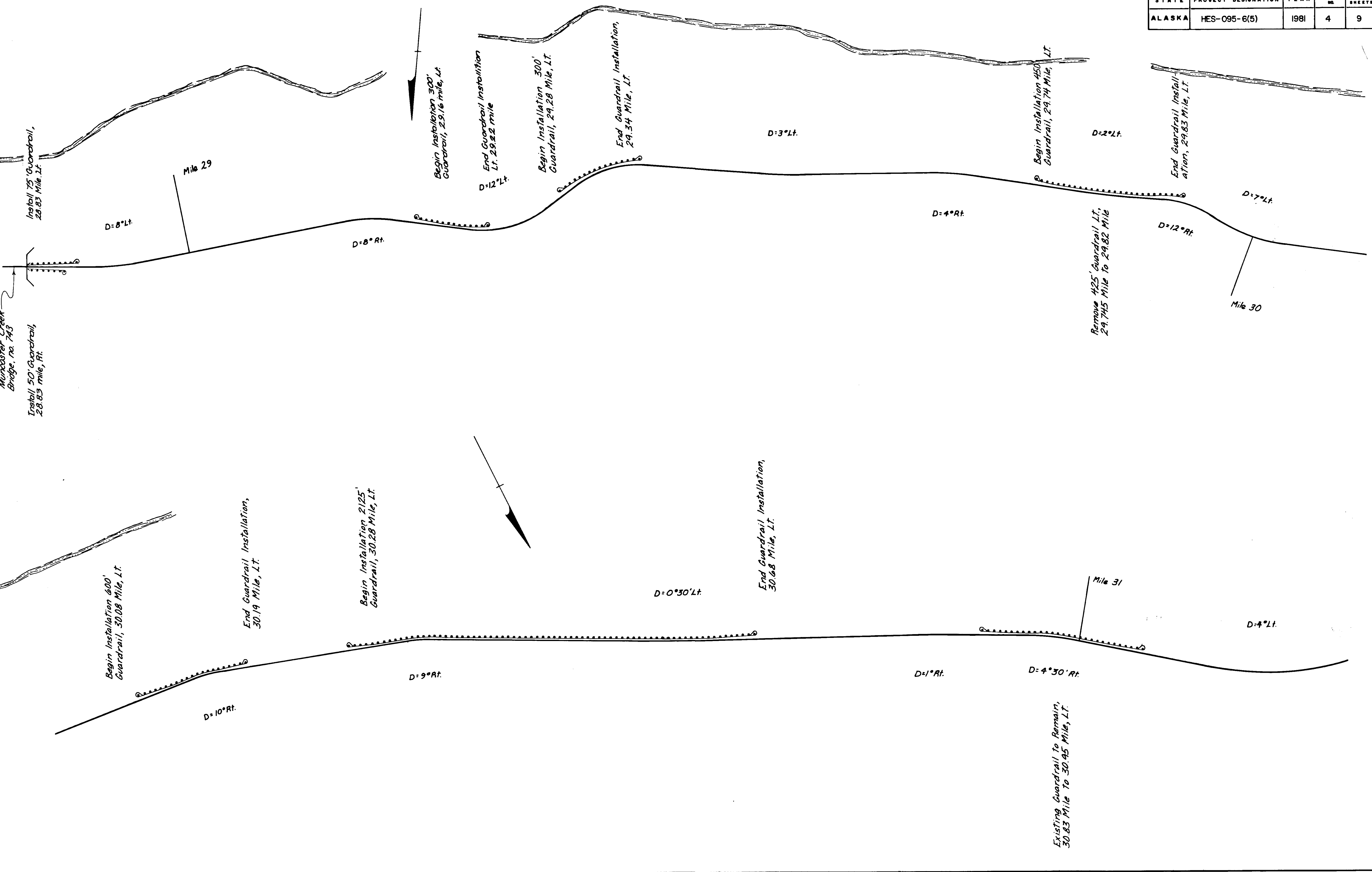
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	HES-095-6(5)	1981	3	9



For Bridge Connection, See
Guardrail Modifications R.D.
of the Plans

Install 75' Guardrail,
28.90 Mile Rt.

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	HES-095-6(5)	1981	4	9



Muncoaster Creek
Bridge, No. 743

Install 75' Guardrail,
28.85 Mile, Lt.

Install 50' Guardrail,
28.85 mile, Rt.

Mile 29

Begin Installation 300'
Guardrail, 29.16 mile, Lt.

End Guardrail Installation
Lt. 29.22 mile

Begin Installation 300'
Guardrail, 29.28 Mile, Lt.

End Guardrail Installation,
29.34 Mile, Lt.

Begin Installation 450'
Guardrail, 29.74 Mile, Lt.

End Guardrail Install-
ation, 29.83 Mile, Lt.

Remove 425' Guardrail Lt.,
29.745 Mile to 29.82 Mile

Mile 30

Begin Installation 600'
Guardrail, 30.08 Mile, Lt.

End Guardrail Installation,
30.19 Mile, Lt.

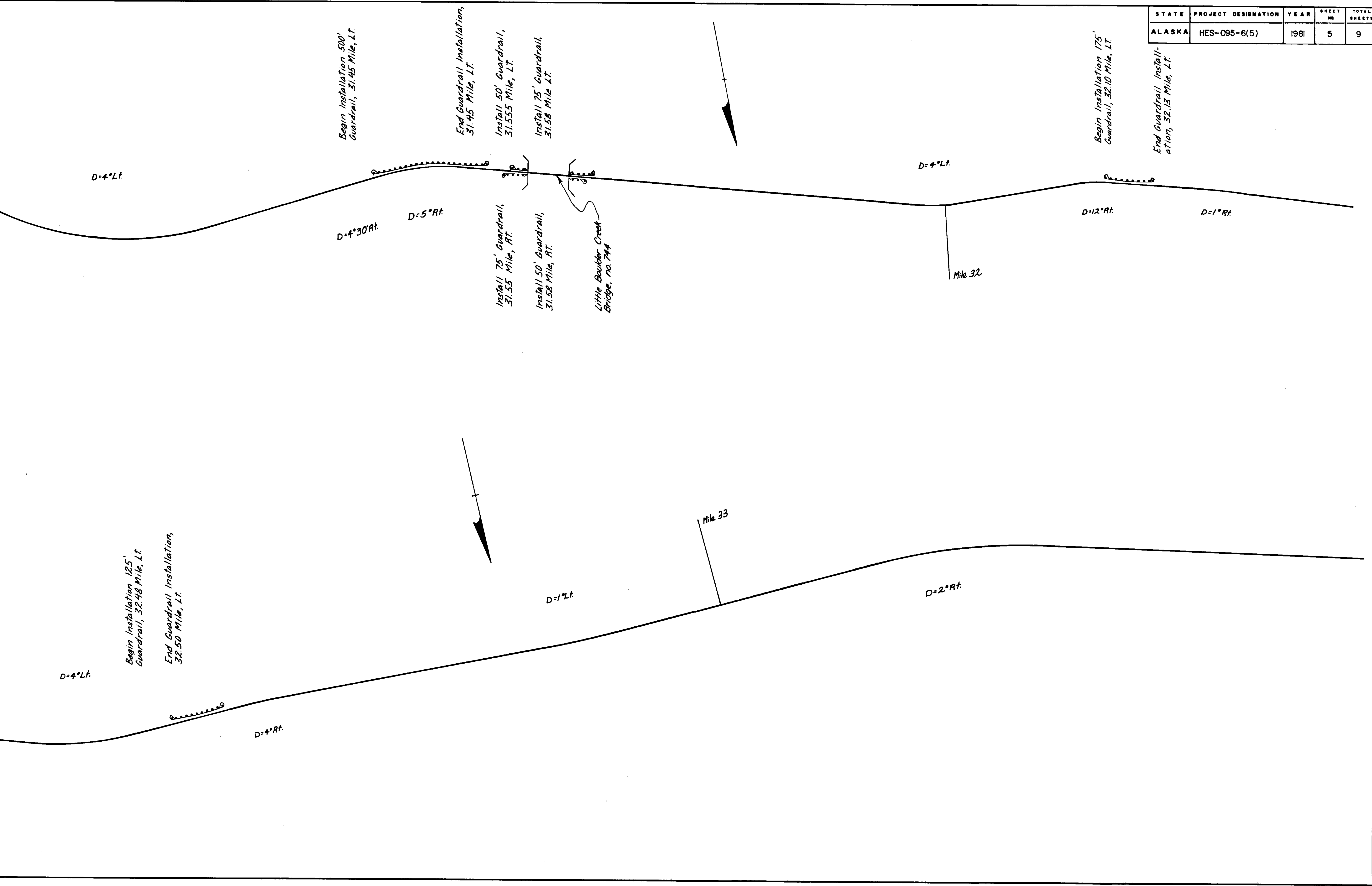
Begin Installation 2125'
Guardrail, 30.28 Mile, Lt.

End Guardrail Installation,
30.68 Mile, Lt.

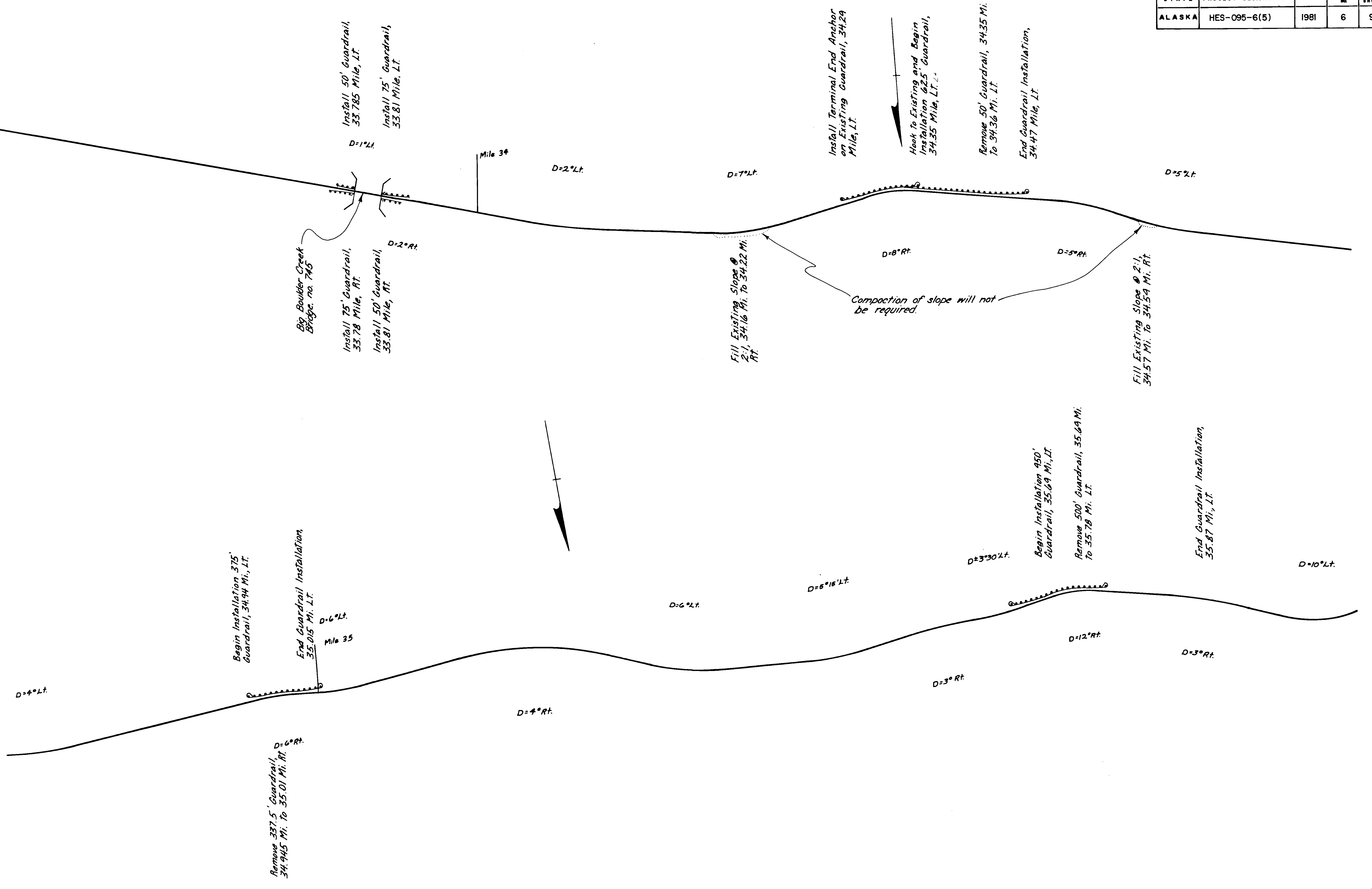
Mile 31

Existing Guardrail to Remain,
30.83 Mile to 30.95 Mile, Lt.

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	HES-095-6(5)	1981	5	9



STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	HES-095-6(5)	1981	6	9



Big Boulder Creek Bridge, no. 745

Install 50' Guardrail, 33.785 Mile, Lt.
Install 75' Guardrail, 33.81 Mile, Lt.

D=1° Lt.

Mile 34

D=2° Lt.

D=7° Lt.

Install Terminal End Anchor on Existing Guardrail, 34.29 Mile, Lt.

Hook to Existing and Begin Installation 625' Guardrail, 34.35 Mile, Lt. Lt.

Remove 50' Guardrail, 34.35 Mi. To 34.36 Mi. Lt.

End Guardrail Installation, 34.47 Mile, Lt.

D=5° Lt.

Fill Existing Slope @ 2:1, 34.16 Mi. To 34.22 Mi. Rt.

D=8° Rt.

Compaction of slope will not be required.

D=5° Rt.

Fill Existing Slope @ 2:1, 34.57 Mi. To 34.59 Mi. Rt.

Begin Installation 375' Guardrail, 34.94 Mi., Lt.

End Guardrail Installation, 35.015 Mi. Lt.

D=6° Lt.

Mile 35

D=6° Lt.

D=6° Lt.

D=3° Lt.

Begin Installation 450' Guardrail, 35.69 Mi., Lt.

Remove 500' Guardrail, 35.69 Mi. To 35.78 Mi. Lt.

End Guardrail Installation, 35.87 Mi., Lt.

D=10° Lt.

D=4° Lt.

D=4° Rt.

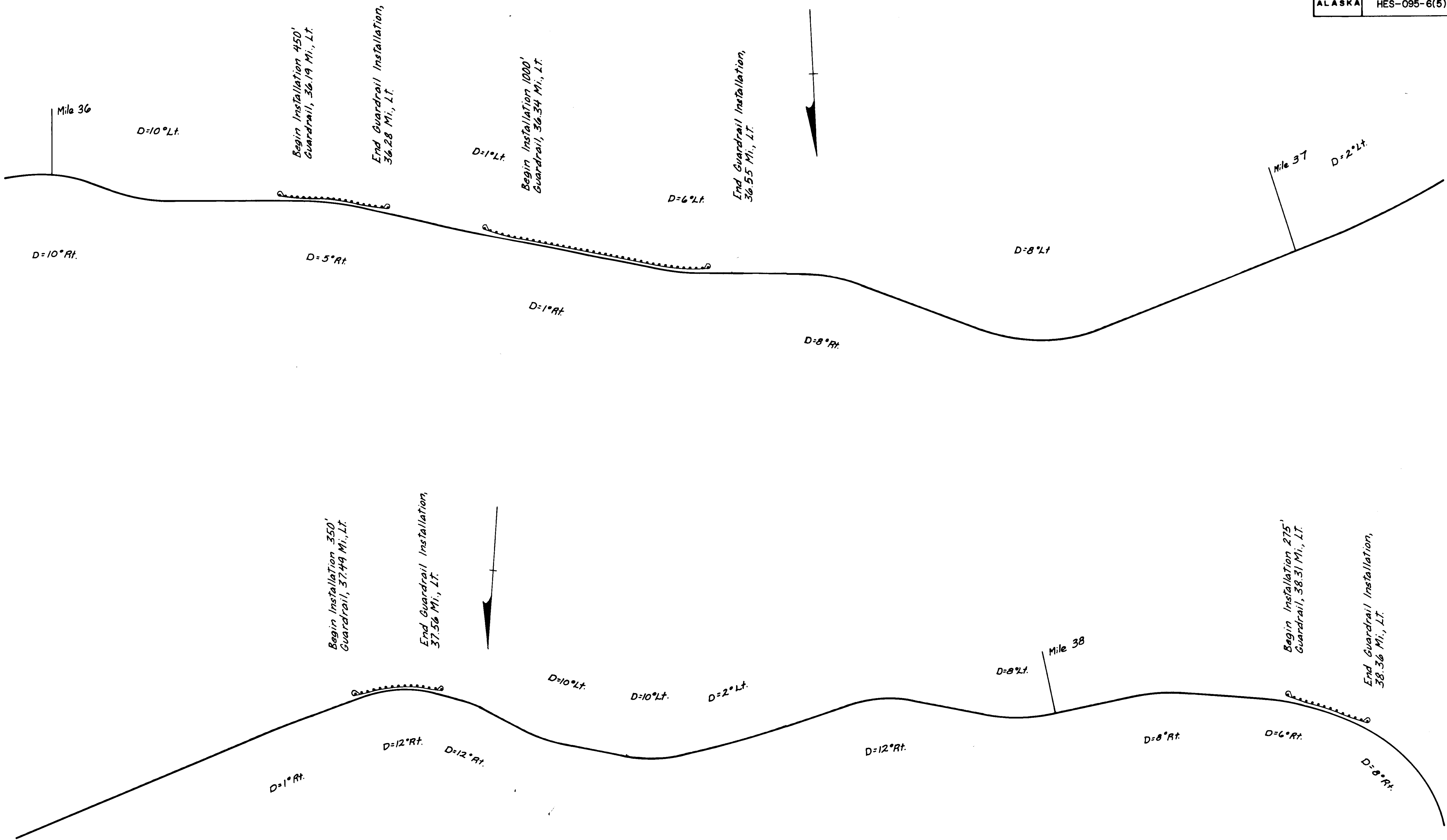
D=3° Rt.

D=12° Rt.

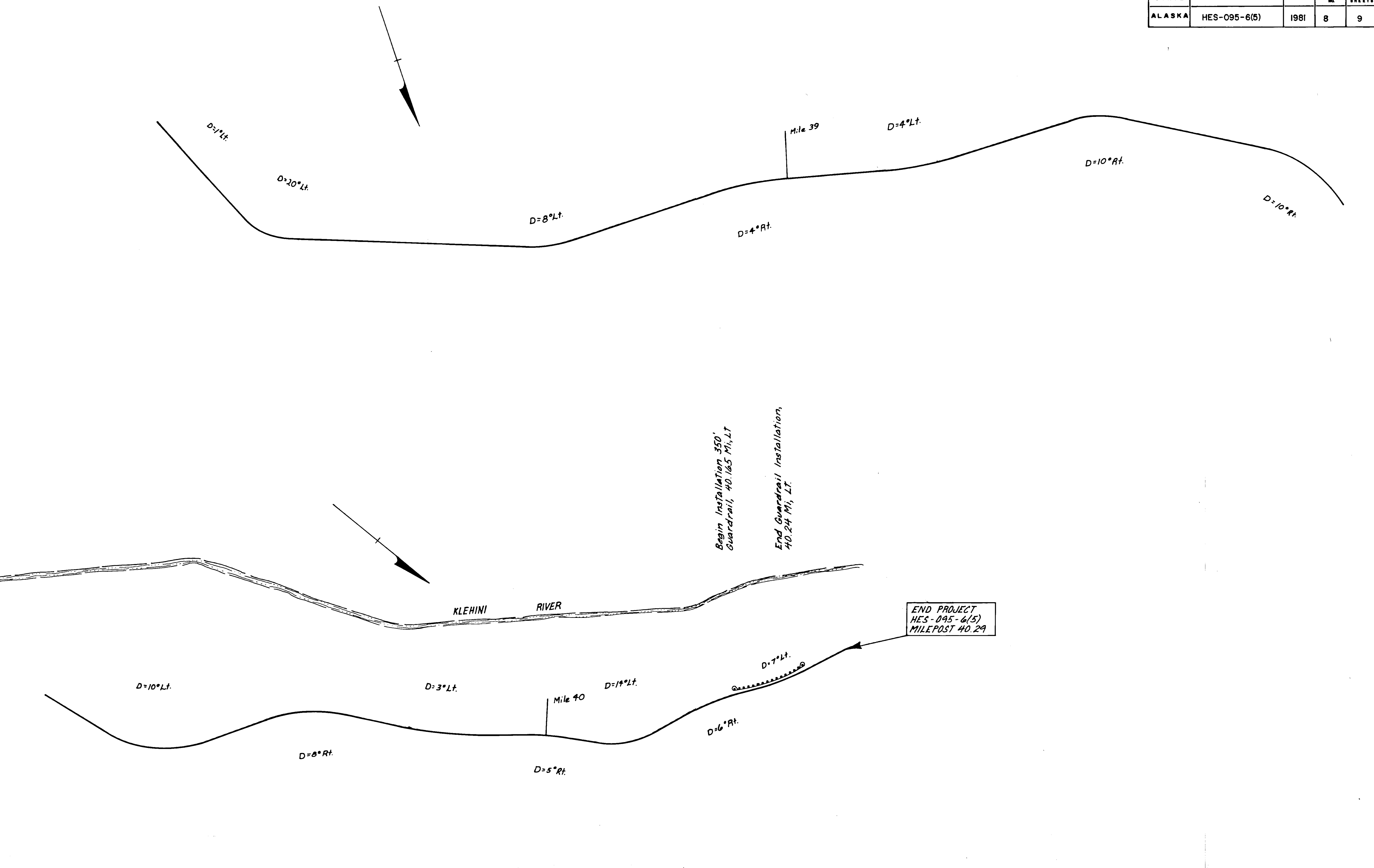
D=3° Rt.

Remove 337.5' Guardrail, 34.945 Mi. To 35.01 Mi. Rt.

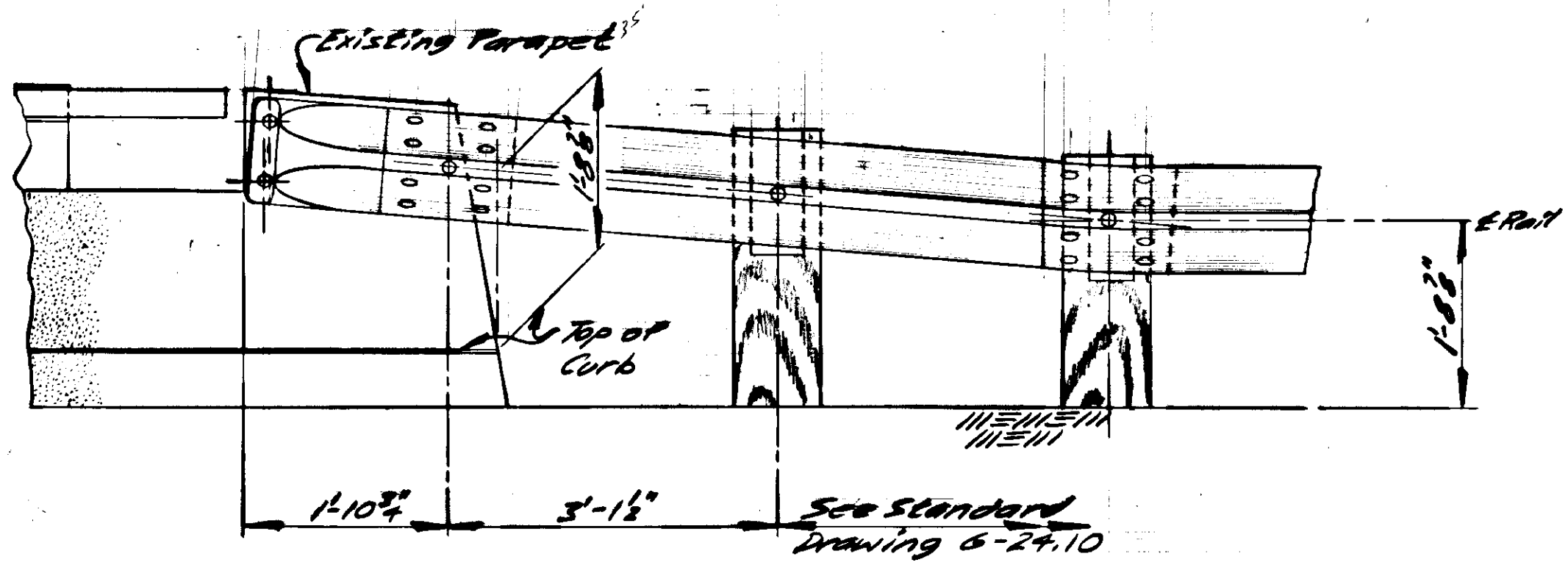
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	HES-095-6(5)	1981	7	9



STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	HES-095-6(5)	1981	8	9

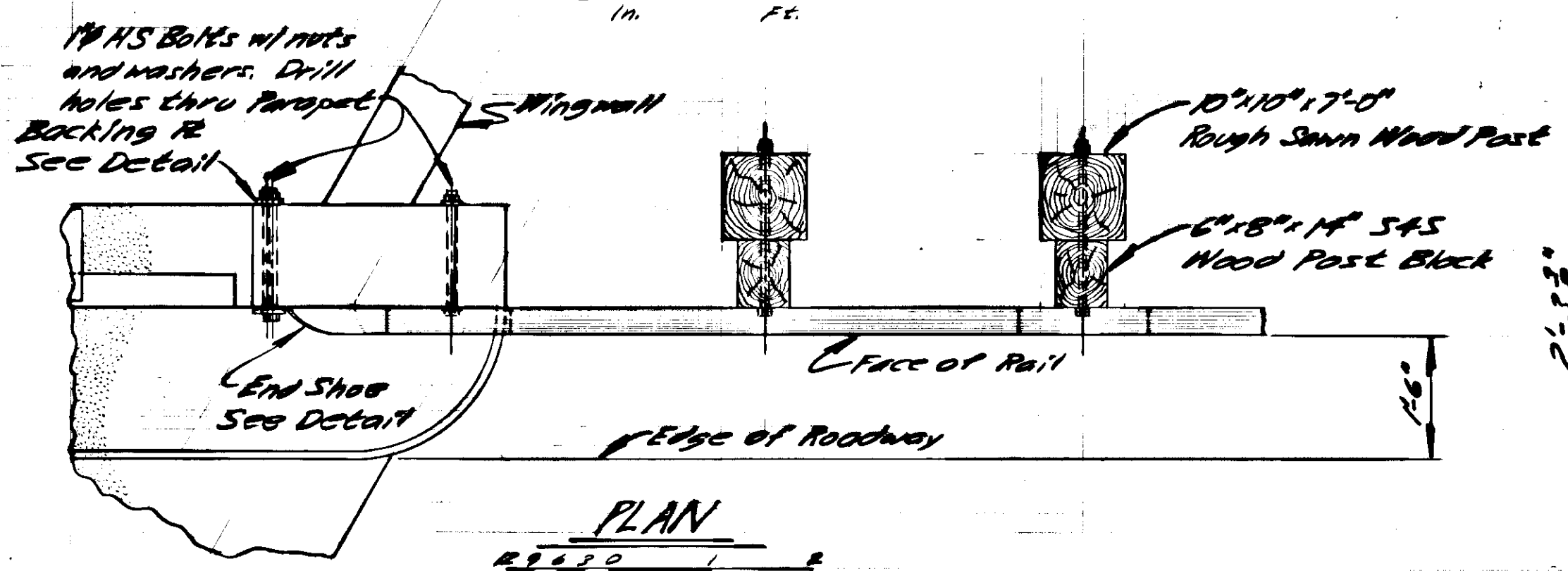


STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	HES-095-6(5)	1981	9	9



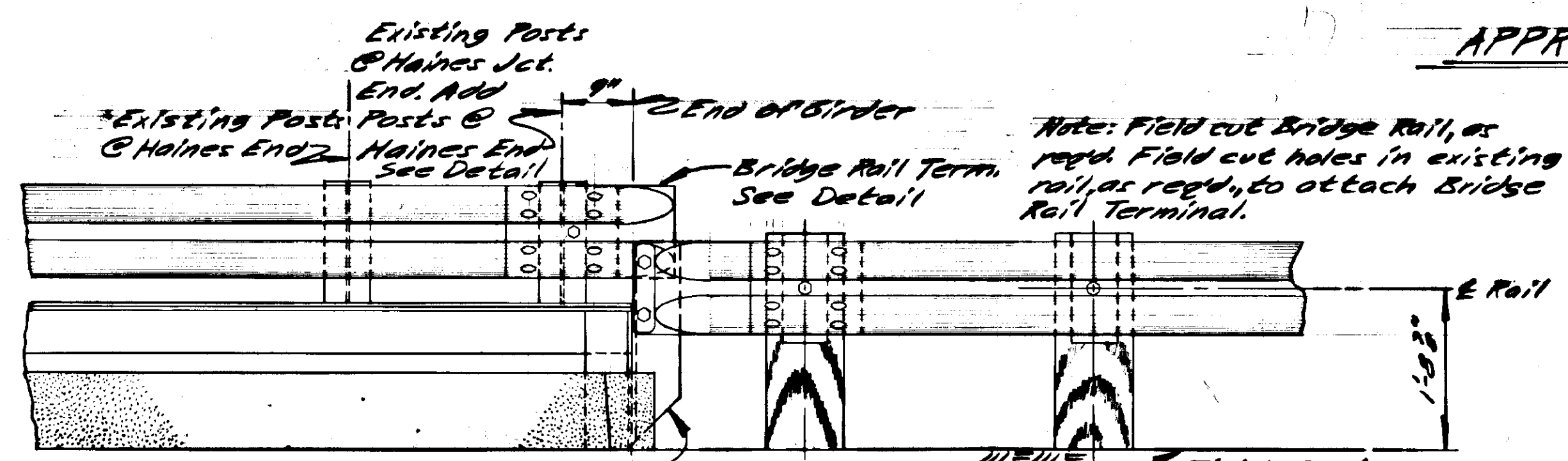
ELEVATION

See Standard Drawing 6-24.10



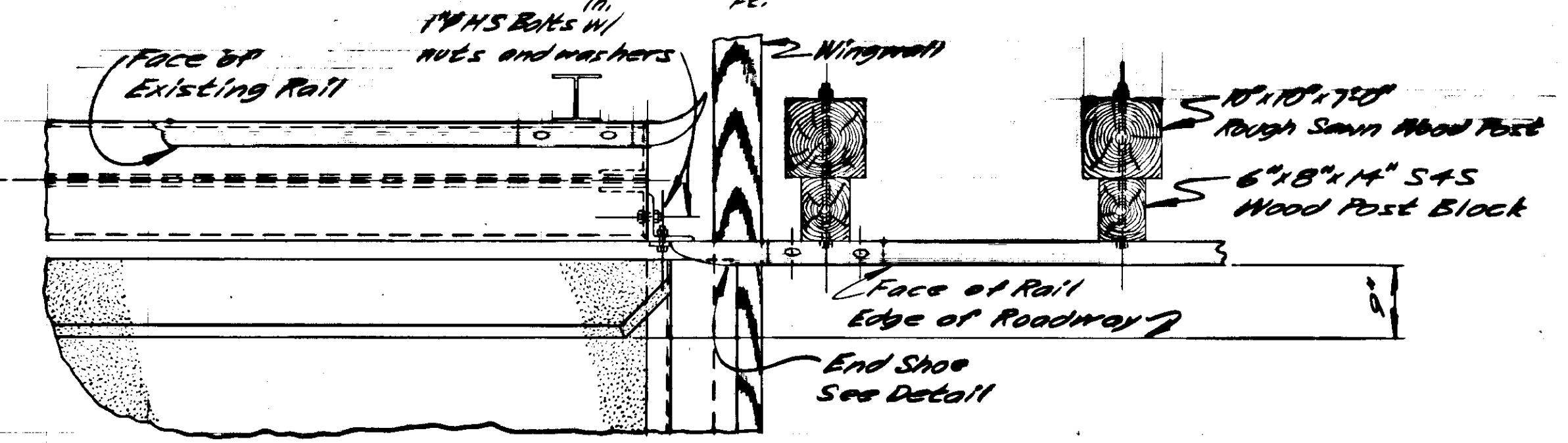
PLAN

MUNCASTER CREEK # 743



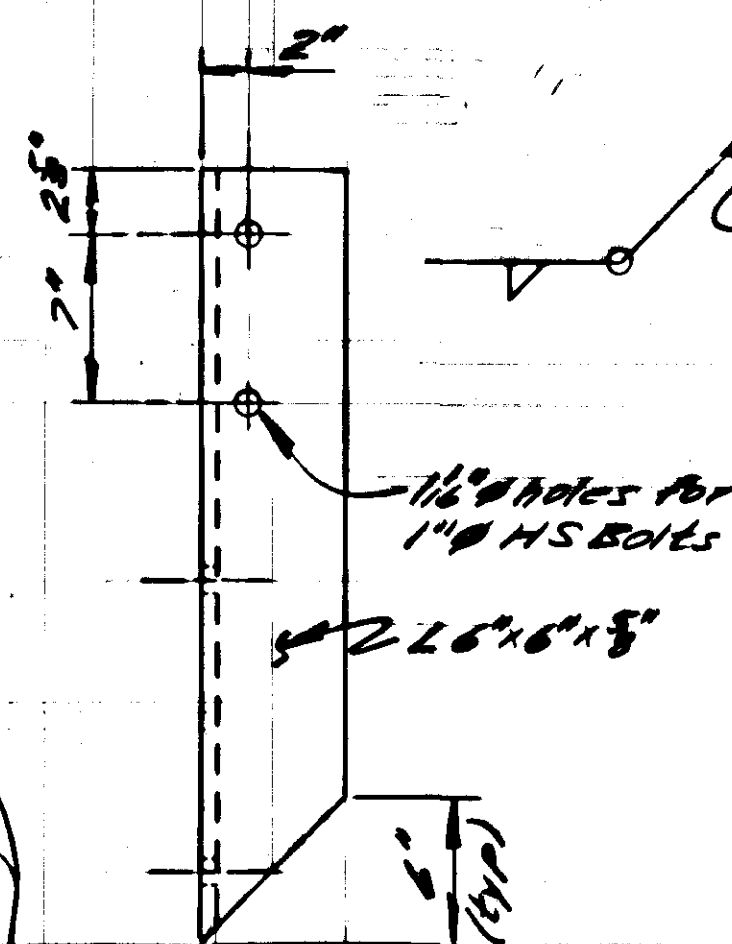
ELEVATION

See Standard Drawing 6-24.10



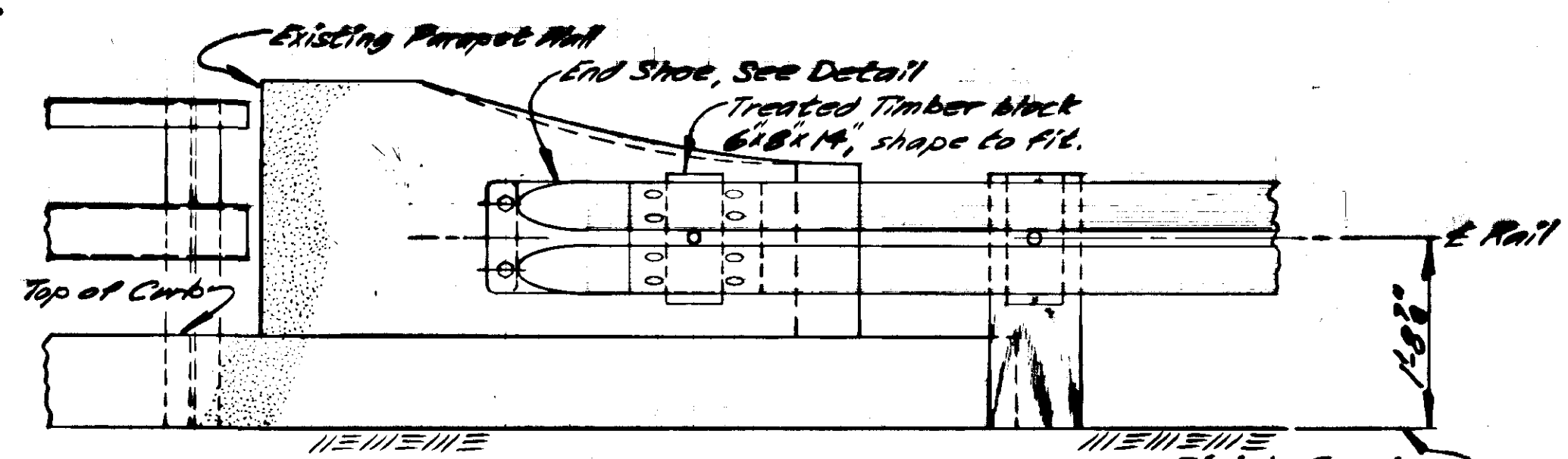
PLAN

LITTLE BOULDER CREEK # 744



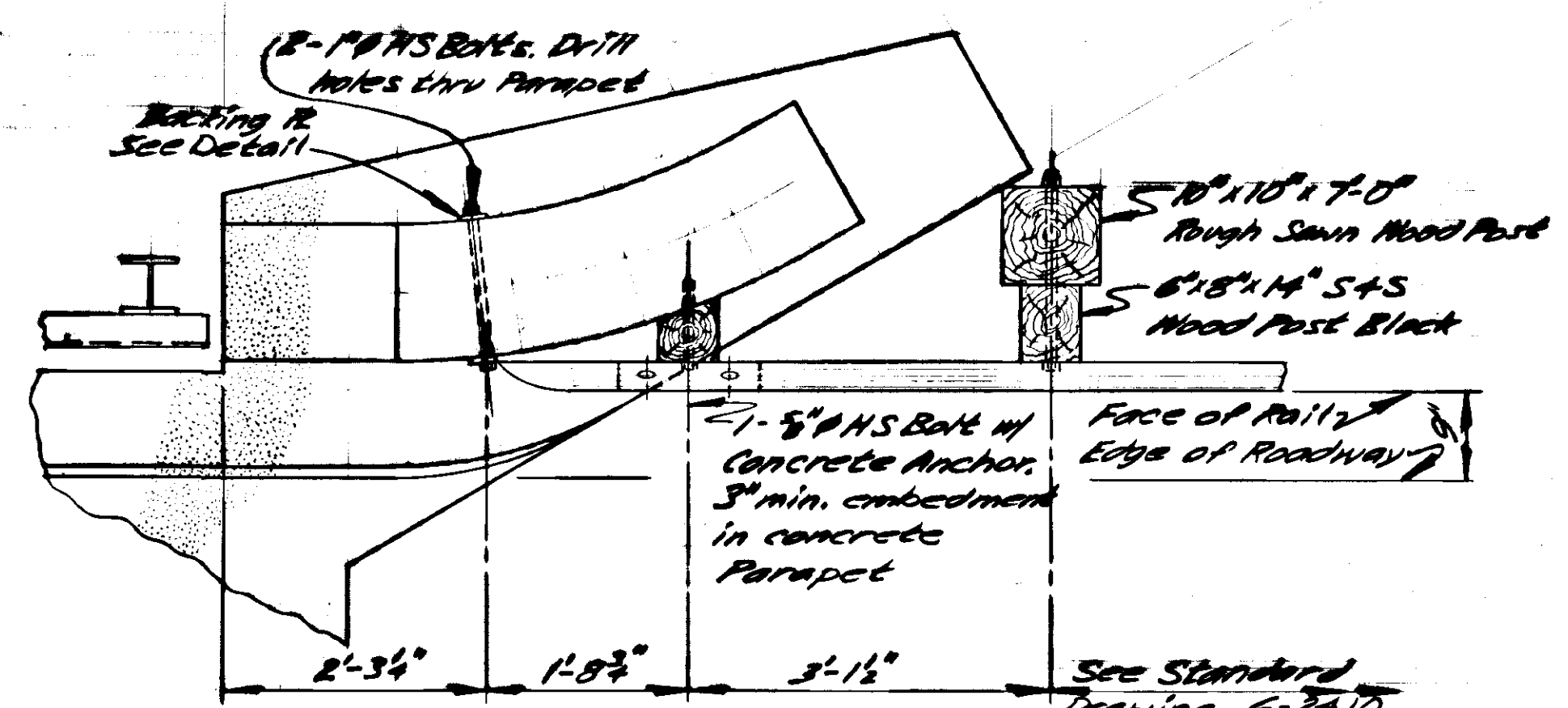
APPROACH RAIL L

No Scale



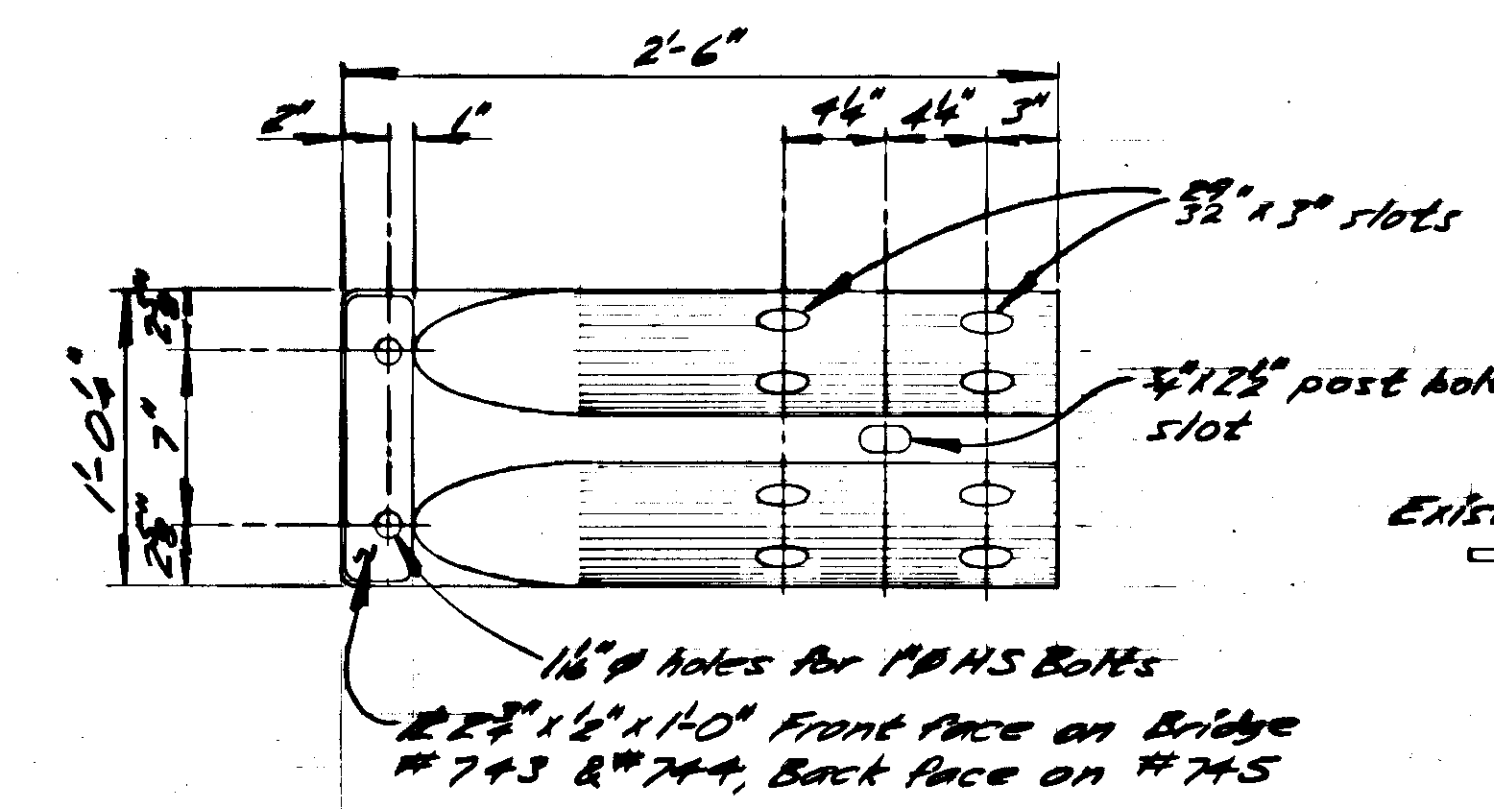
ELEVATION

See Standard Drawing 6-24.10



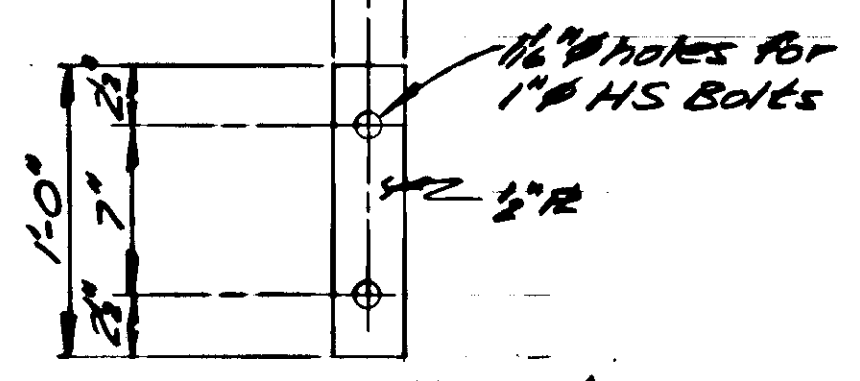
PLAN

BIG BOULDER CREEK # 745



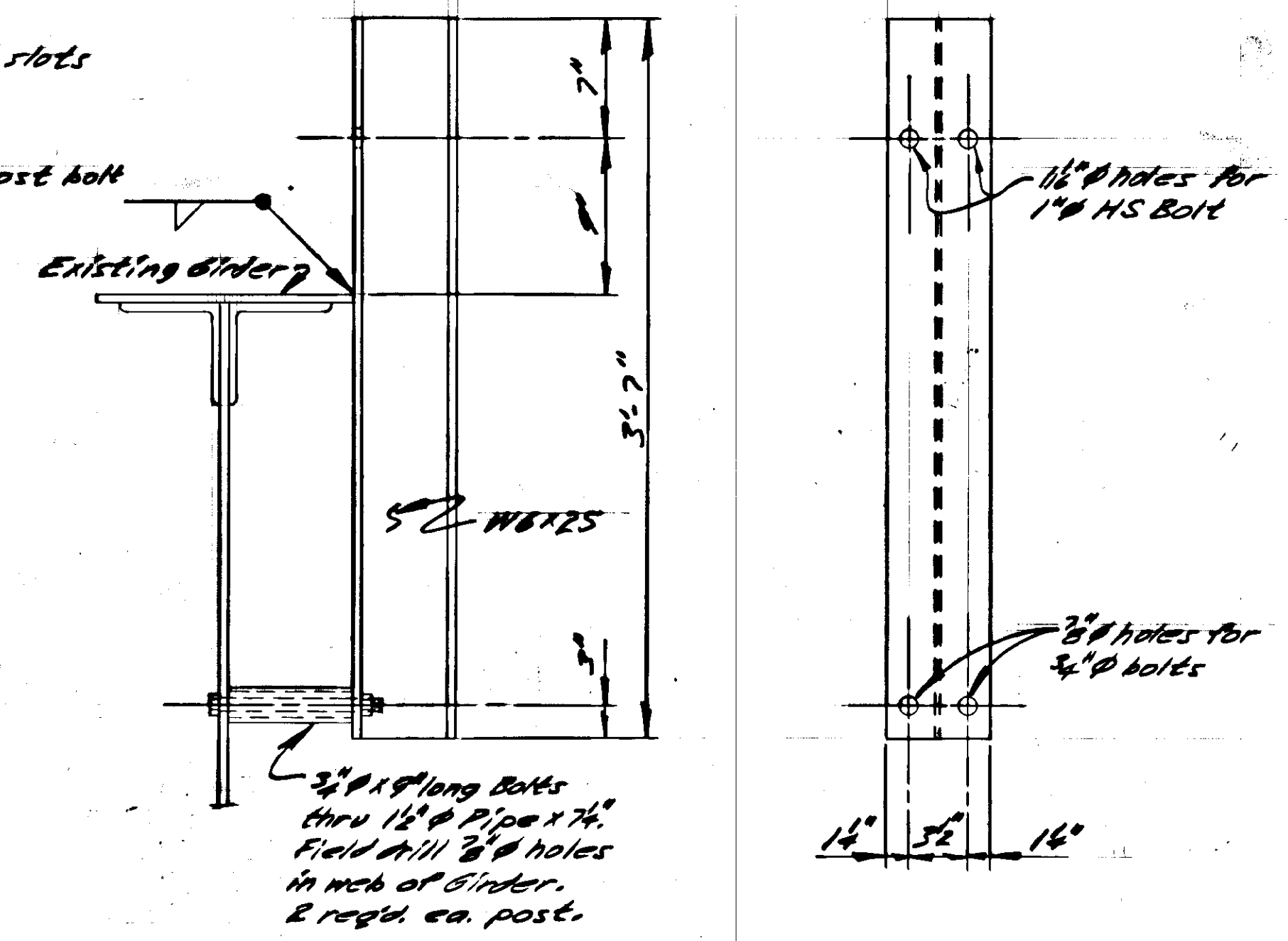
END SHOE

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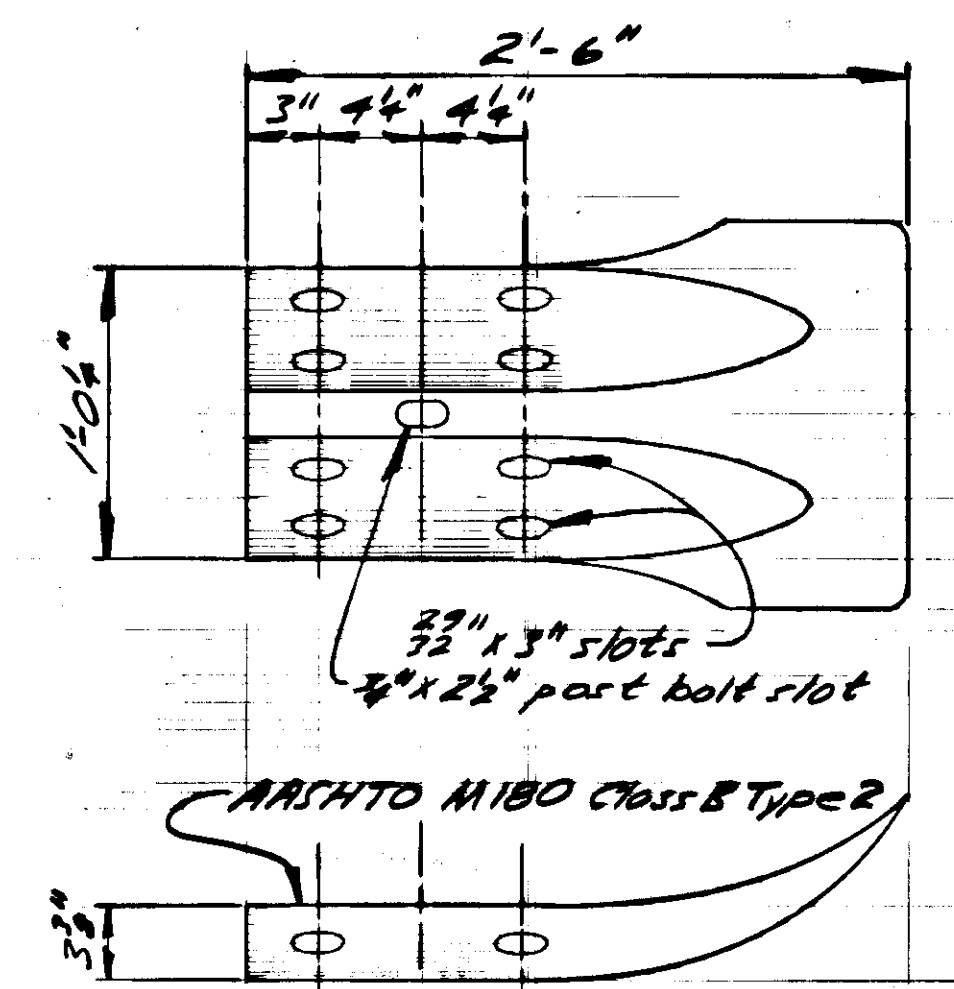
BACKING FL

No Scale



RAILPOST (2 Req'd @ Bridge # 744)

No Scale



BRIDGE RAIL TERMINAL

No Scale

HAINES HWY. GUARDRAILS

Route No. FAP 95

BRIDGE No's. 743, 744 & 745

State of Alaska
DEPARTMENT OF TRANSPORTATION
and PUBLIC FACILITIES
Juneau, Alaska



743, 744
BRIDGE NO. & 745
DWNG. NO.

Date
Approved