

# STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES

## PLAN AND PROFILE PROPOSED HIGHWAY PROJECT BR-OS-3(20) (E-88612) CLOVER PASS CREEK BRIDGE

INDEX OF SHEETS	
SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	TYPICAL SECTION SHEET
3	PLAN & PROFILE SHEET
4	PIPE 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-04.01, D-05.01, D-07.00, D-30.00, G-04.01S, G-04.01W, G-14.01S, G-14.01W, G-18.00

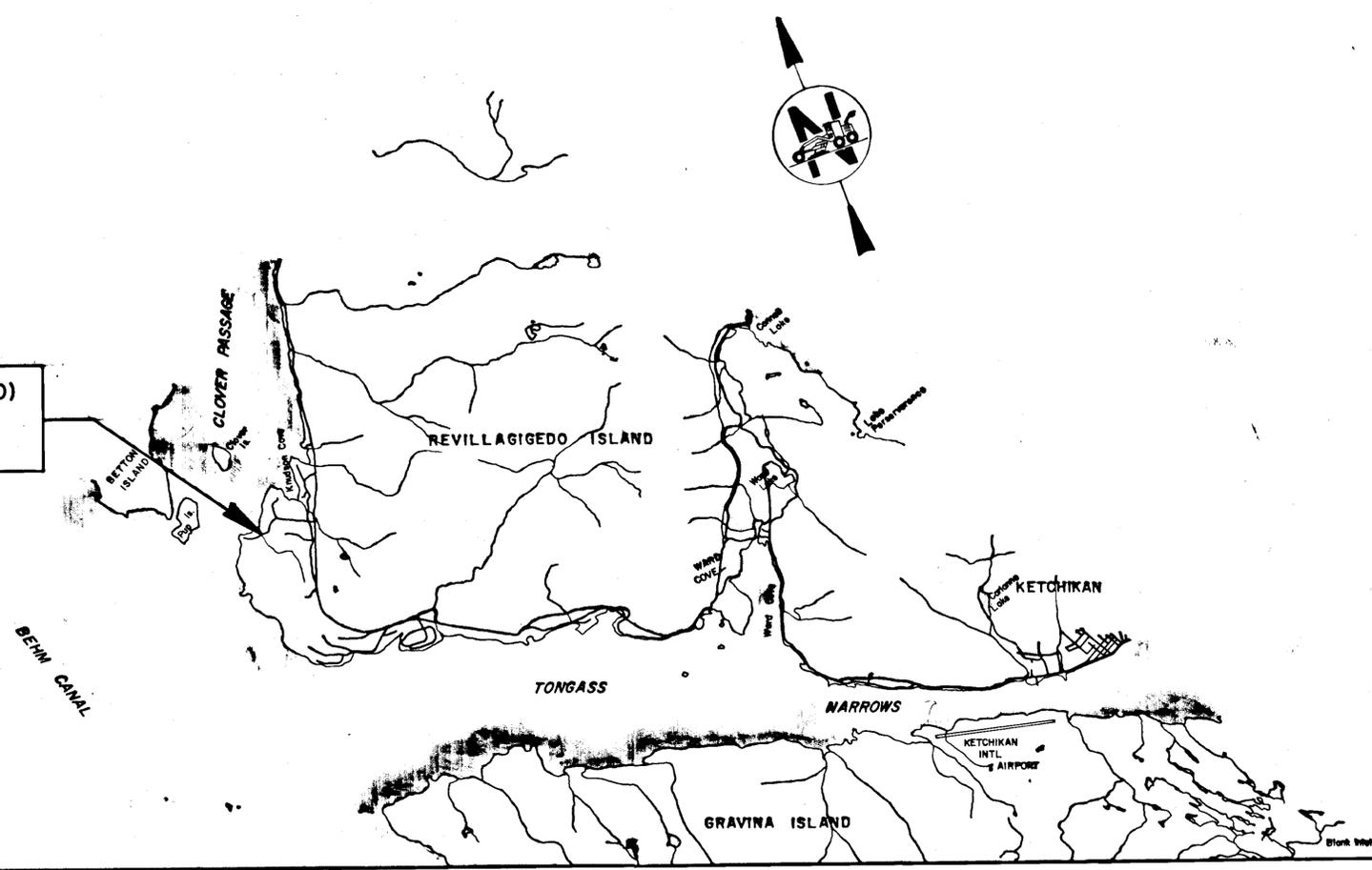
**DESIGN DESIGNATION**

- ADT 1983 = 251
- ADT 2004 = 359
- DHV 11% = 39.5
- T = 4%

**PROJECT SUMMARY**

- WIDTH OF GRADING = 28'
- LENGTH OF GRADING = 333' (.063 Mi)
- LENGTH OF EXCEPTIONS = 0
- TOTAL LENGTH OF PROJECT = 333' (.063 Mi)

**PROJECT BR-OS-3(20)**  
B.O.P. STA. 10+00  
E.O.P. STA. 13+33

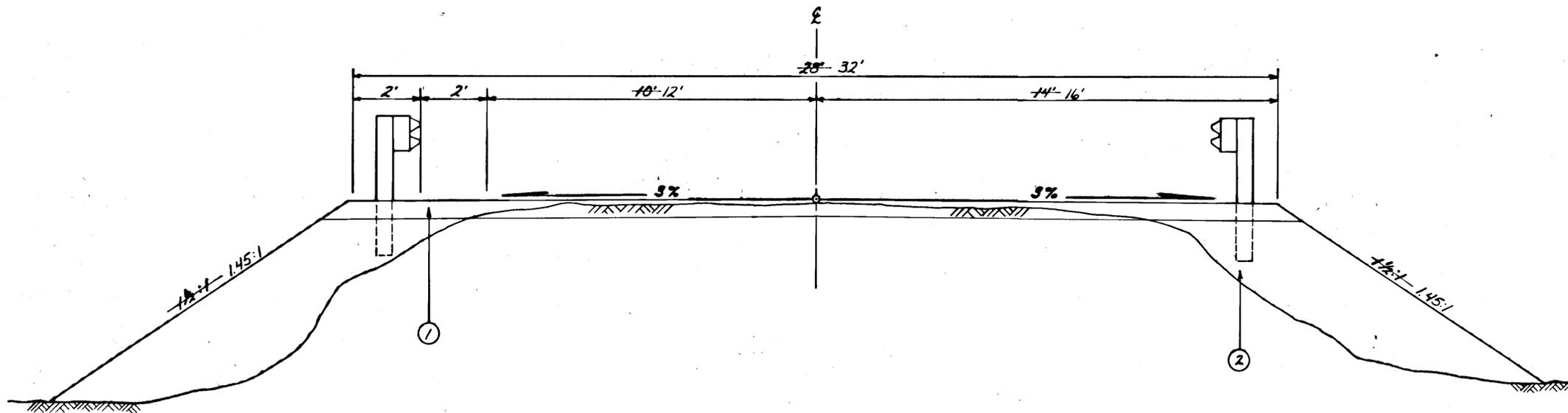


PROJECT AS-BUILTS  
7-18-85  
PROJECT ENGINEER  
RAY DEMMERT

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
&  
PUBLIC FACILITIES  
APPROVED  
*[Signature]* Date 5/22/84  
S.E. REGION DIRECTOR, HIGHWAY DESIGN/CONST.

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
&  
PUBLIC FACILITIES  
APPROVED  
*[Signature]* Date 5/23/84  
S.E. REGION DESIGN ENGINEER

### TYPICAL SECTION OF IMPROVEMENT



#### General Notes:

- Grades and alignment as shown on these plans are subject to minor revisions.
- Excavation of existing roadway, needed to place subbase [Item 304(1)], shall be considered incidental to other items of work.
- Excavated material shall be pulled back away from the stream and deposited where it will not wash into watercourse.
- Hay bales or filter may be required in the stream below the the construction site, to entrap sediment being washed downstream. This work, if required, will be paid for under Temporary Erosion & Pollution Control.
- The reinforcing steel for the headwalls shall be incidental to Item No. 501(G).
- It will be the Contractors responsibility to provide water to downstream inhabitants during inwater work. This will not be measured for payment but considered incidental to other items of work.
- Short periods of road closure (up to 4 hours) will be allowed. It will be the Contractors responsibility to notify the local residents and radio stations 24 hours in advance of any closures.
- At the Preconstruction Conference the Contractor shall submit a Traffic Control Plan for approval by the Engineer. The T.C.P. shall include how the contractor intends to maintain continuous traffic over Clover Pass Creek.

#### ESTIMATE OF QUANTITIES

ITEM NO.	ITEM	UNIT	QUANTITY
110 (1)	Mobilization	L.S.	All Req'd.
111 (1)	Temporary Erosion and Pollution Control	C.S.	"
114 (1)	Construction Surveying By The Contractor	L.S.	"
115 (1)	Traffic Maintenance	L.S.	"
201(2B)	Clearing and Grubbing	L.S.	"
202(1)	Removal of Structures and Obstructions	L.S.	"
203 (5A)	Borrow, Type B	C.Y.	-5000 - 5700
304 (1)	Subbase, Grading C	C.Y.	-100 - 135
501 (6)	Class W Concrete	C.Y.	5.8
606(1)	Beam Type Guardrail, Type I Post	L.F.	250 - 350
602 (1)	Structural Plate Pipe, Diameter 96"	L.F.	-150 - 156
606 (6)	End Anchorages Corrugated Steel	Ea.	4

#### GUARD RAIL SUMMARY

STATION TO	STATION	OFFSET		LENGTH	REMARKS
		Lt.	Rt.		
"L" 12-10	"L" 13+35.60	X		125/150	
"L" 12+18.11+05	"L" 13+35.05		X	125/200	

#### LABELING INDEX

①	6" Subbase, Grading C
②	Borrow, Type B

#### ESTIMATE OF ROADWAY QUANTITIES

ITEM NO.	ITEM	QUANTITIES
202(1)	Removal of Structures and Obstructions	Remove Existing Bridge & 30' of Guard Rail



STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	BR-OS-3(20)	1984	3	4

**Vertical Control**

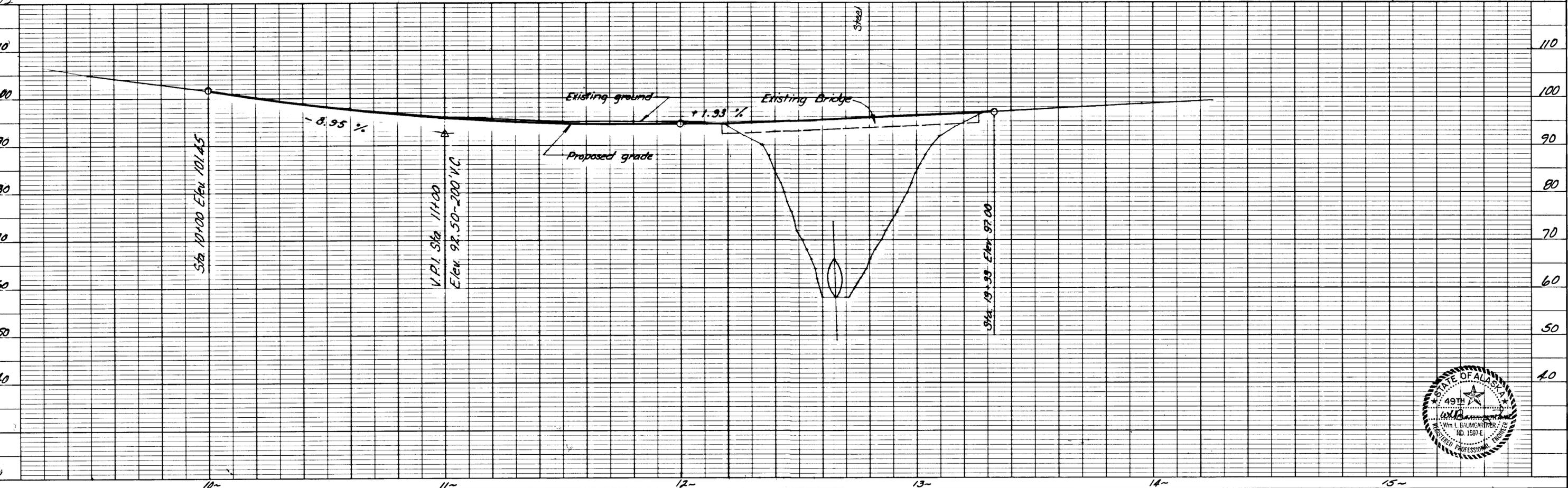
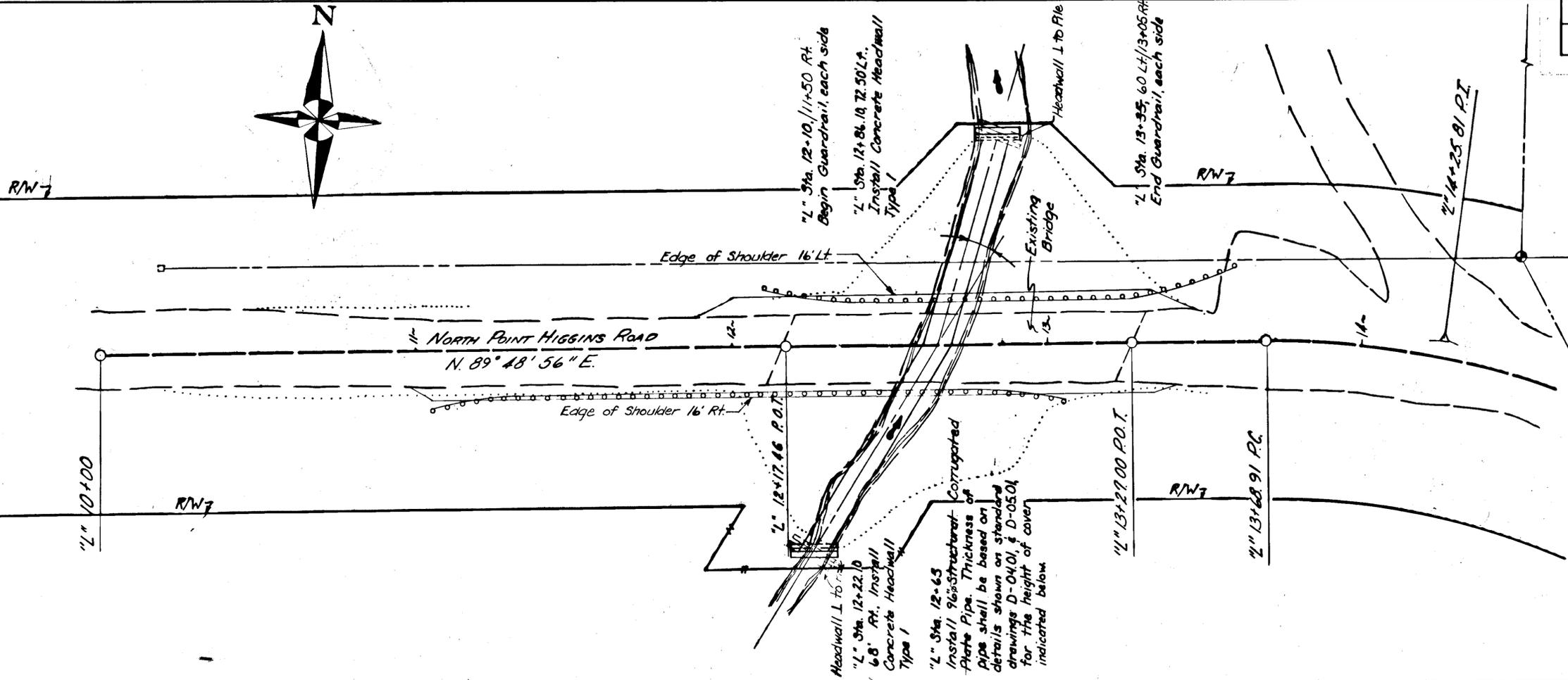
Spike set in 36" Dia. Cedar Tree 32' Lt. of Sta. 13+84 Elev. Assumed At 100.00'

**Horizontal Control**

The basis of bearing was the inverse bearing between recovered monuments at C-3, U.S.S. 3275 and C-5, U.S.S. 2556 with the record value of N.53°48'16" W. 573.96' (573.68' measured by DOT/PF)

**Project Coordinates**

Station	Control	N	E
PI. 12+25.81	1/2" Dia. Rebar Buried 1.0 Ft.	N.10,000.00	E.2,000.00
POT. 12+27.00	PK. Nail in E. Deck East End Bridge	N.9999.68	E.19,901.19
POT. 12+17.46	PK. Nail in E. Deck West End Bridge	N.9999.33	E.19,791.65
POT. 12+00.00	1/2" Dia. Rebar Buried 0.8 Ft.	N.9998.63	E.19,574.19
C-3, U.S.S. 3275	G.L.O.-B.C. Mon.	N.10,366.46	E.20,021.97
C-5, U.S.S. 2556	B.L.M. B.C. Mon.	N.10,027.68	E.20,484.93



STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	BR-05-3(20)	1984	4	4

*Hydrologic and Hydraulic Summary*

Drainage Area .8 square miles  
 Exceedance Probability 2% 1%  
 Design Discharge 229 cfs 256 cfs  
 Design High Water \* 6.0 ft. 6.2 ft.  
 Anticipated back for 100 yr. flood= 2.0 ft.

\* Height above invert

Note: An overtopping flood equals 1000 cfs, which is greater than a Q500.

