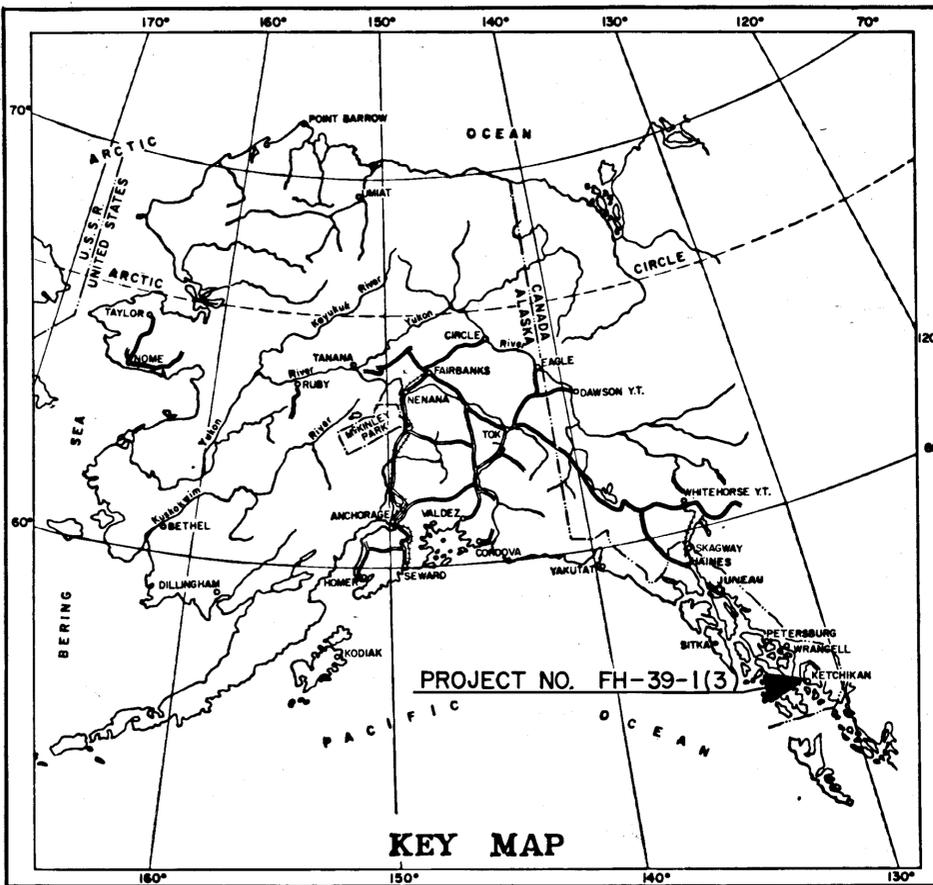


STATE	PROJECT	SHEET NO.	TOTAL SHEETS
ALASKA	FH-039-1(3)	1	11



KEY MAP

STATE OF ALASKA DEPARTMENT OF HIGHWAYS

PLAN AND PROFILE PROPOSED HIGHWAY PROJECT ALASKA FOREST HIGHWAY FH-39-1 (3) GRADING, DRAINAGE & BRIDGE WARD LAKE ROAD

INDEX OF SHEETS

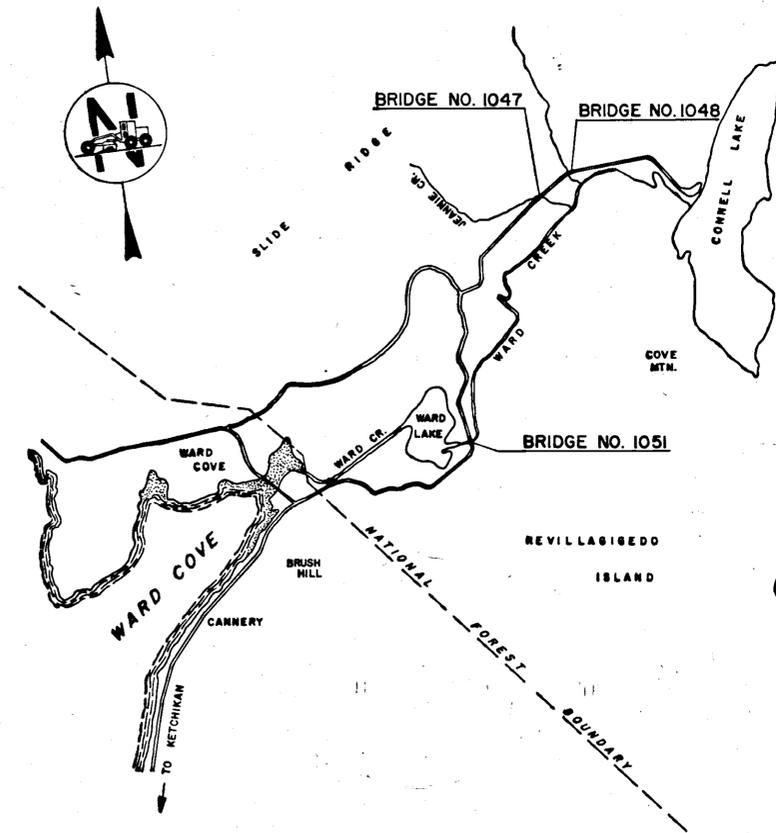
SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	TYPICAL SECTION
2	ESTIMATE OF QUANTITIES
3	PLAN & PROFILE
4	CULVERT DETAILS
5-II	BRIDGE PLANS

The following Standard Drawings apply to this project: A-1, C-00.03, C-10.00, C-11.01, D-02.02, D-03.01, D-07.00, D-30.10, E-09.00, G-04.13, G-04.31, G-12.10, G-13.00, G-14.01, G-30.02, G-30.13, I-80.00, S-05.00, S-30.11

DESIGN DESIGNATION

- ADT (1975) = 445
- ADT (1996) = 850
- DHV (18%) = 150
- D = 70-30
- T = 2%
- V = 30 M.P.H.

- WIDTH OF SUBGRADE = 32'
- LENGTH OF GRADING = 1187.58' = 0.2249 Miles 1175.58' = 0.2226 MILES
- LENGTH OF BRIDGE = 125.00' = 0.0237 Miles
- LENGTH OF PROJECT = 1312.58' = 0.2486 Miles 1300.58' = 0.2463 MILES



"AS-BUILT PLANS"
CONTRACTOR: BUNO CONSTRUCTION CO.
PROJECT ENGINEER: D.F. ROBBINS
BEGINNING DATE: AUGUST 12, 1977
COMPLETION DATE: MAY 19, 1978

Note: See Plan & Profile Sheet for minor equations

STATE OF ALASKA
DEPARTMENT OF HIGHWAYS

APPROVED
[Signature]
SOUTHEASTERN DIVISION ENGINEER DATE 4/11/77

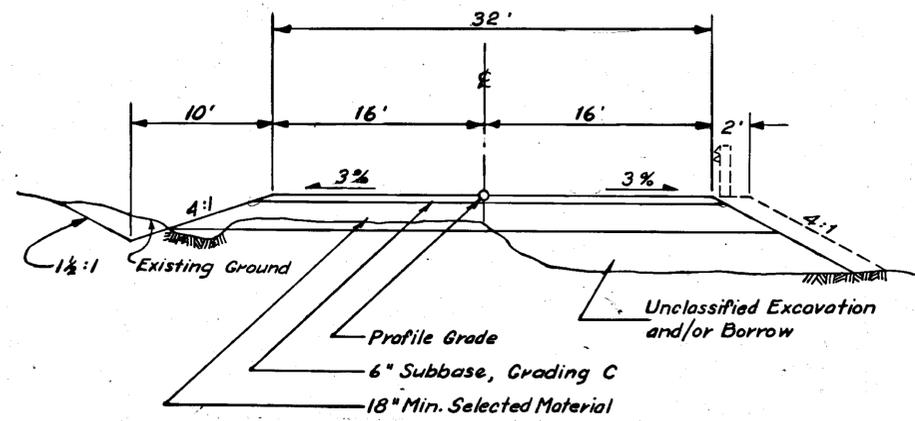
STATE OF ALASKA
DEPARTMENT OF HIGHWAYS

APPROVED
[Signature]
COMMISSIONER OF HIGHWAYS DATE 4/11/77

ESTIMATE OF QUANTITIES

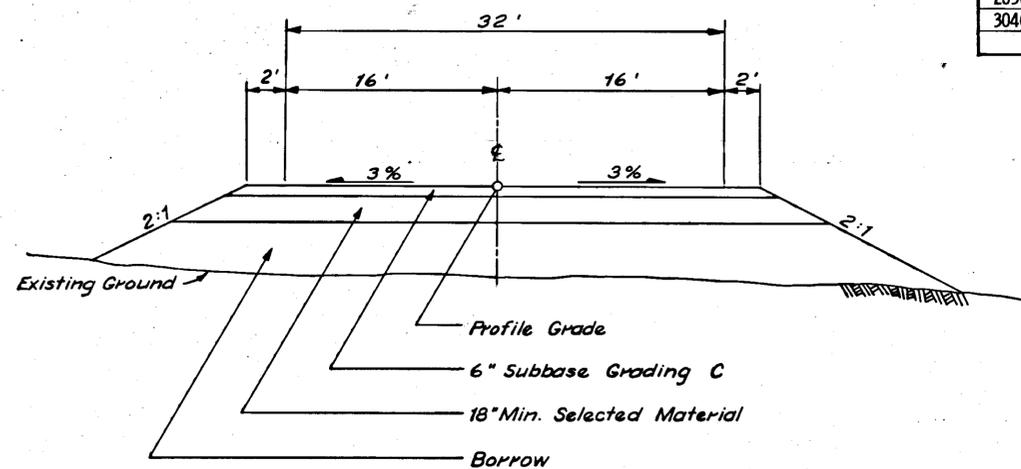
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	FH-039-1(3)	1977	2	11

TYPICAL SECTION OF IMPROVEMENT



STA. "O" 52+92.42 to STA. "O" 65+50.00

TYPICAL SECTION OF IMPROVEMENT



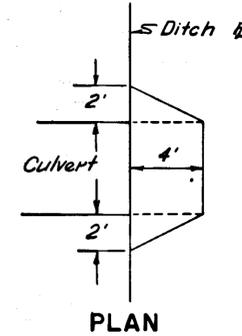
STA. "AsBlt" 137 + 13± to STA. "AsBlt" 137 + 41±

and

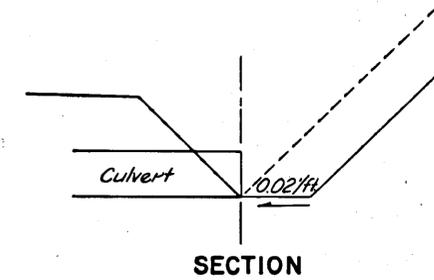
STA. "AsBlt" 146 + 56± to STA. "AsBlt" 146 + 81±

ITEM NO.	ITEM	UNIT	SHEET NO.			
			3	4	5-II	TOTAL
1	Furnishing & Maintaining Engineering Facilities	L. S.				All Req'd.
110(1)	Mobilization	L. S.				All Req'd.
111(1)	Temporary Erosion and Pollution Control	C. S.				All Req'd.
115(1)	Traffic Maintenance	L. S.				All Req'd.
201(3B)	Clearing & Grubbing	L. S.				All Req'd.
202(1)	Removal of Structures and Obstructions	L. S.				All Req'd.
202(4)	Removal and Disposal of Culvert Pipe	L.F.	40	107		40 107
203(3)	Unclassified Excavation	C. Y.	1695	1539		1695 1539
203(5B)	Borrow	Ton	7601	2362	759	8360 13121
203(6B)	Selected Material	Ton	6370	4531	480	6850 5011
115(1)	Traffic Maintenance	L. S.				All Req'd.
304(1)	Subbase, Grading C	Ton	1900	729	11278	20112007
501(1)	Class A Concrete	L. S.				All Req'd.
502(1)	Prestressed Concrete Structural Members (Bulb-Tee) 125'	Each			5	5
503(1)	Reinforcing Steel	L. S.				All Req'd.
505(3)	Structural Steel Piles, Furnished and Driven	L.F.			1043	1104 1043
507(1)	Metal Bridge Railing	L.F.			250	250
602(2)	Structural Plate Pipe Arch, 8'-2" x 5'-9"	L.F.		112		112
603(22H)	30" Pipe Conduit	L.F.	64			64
603(22F)	18" Pipe Conduit E.W.D. *2	L.F.	59			59
606(2)	Beam Type Guardrail, Type II Post	L.F.	225			225
606(3B)	Treated Timber Post	Each	41			41
611(2)	Riprap, Class I	Ton		2368	185	185 2368
615(1)	Standard Sign	Sq. F.	14			14
618(1)	Seeding	1000 Sq.F.	52	29	2209	52 29 2209
618(2)	Water for Maintenance	1000 Gal.	71	04	0	71 04 0

BASIS OF ESTIMATE	
Item	Estimating Factor
203(5B)	1.80 Ton/C. Y.
203(5B)	1.80 Ton/C. Y.
304(1)	1.87 Ton/C. Y.



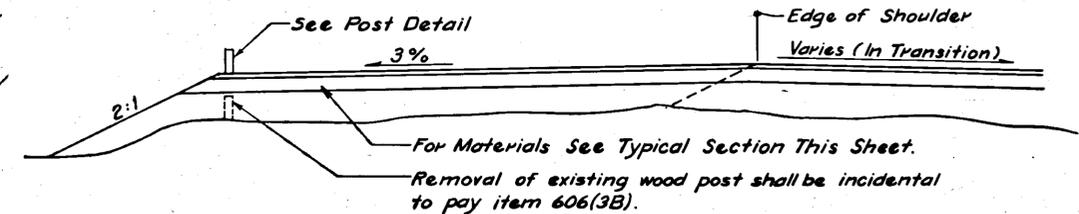
PLAN



SECTION

CULVERT INLET DETAIL

TYPICAL SECTION OF PARKING AREA



STA. "O" 62+20 to STA. "O" 62+86

GENERAL NOTES

1. Clearing and grubbing limits shall be 10' beyond slope limits in cut areas, and 5' beyond slope limits in fill areas, or as directed by the Engineer.
2. Superelevation shall revolve about the inside shoulder.
3. All construction activity in and adjacent to the culverts at approximate stations "AsBlt" 137+31 and "AsBlt" 146+77 and in the stream at the bridge station "L" 60+35, shall be completed between June 15 and August 1. a.) Any work necessary before June 15 and after August 1 shall require Alaska Dept. of Fish and Game approval.
4. Treated timber post shall conform to Standard Drawing G-04. 31 on six foot (6') centers.
5. Construct all headwalls with class A concrete in lieu of class W concrete.

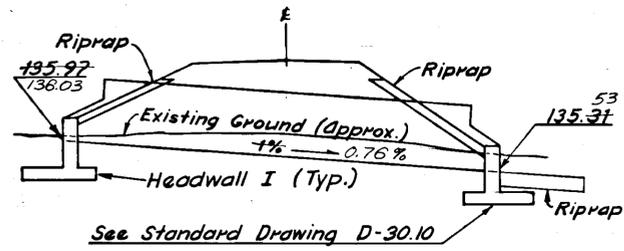
SIGNING SCHEDULE

Station	Dist. from C.		Code No.	Legend	Size	Unframed Thickness	Area in S. F.
	Lt.	Rt.					
"O" 60+00		24'	T1-1	Ward Creek	42" x 24"	.063	7.00
"O" 61+60	24'		T1-1	Ward Creek	42" x 24"	.063	7.00

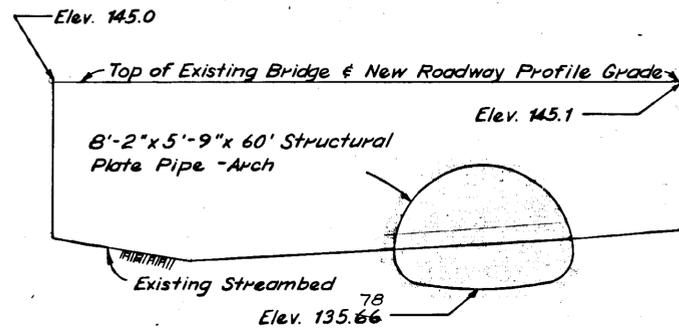
No. of Post	Type	Post			Facing Traffic	Remarks
		Size	Length	Embedment		
2	Tube	2"	10'-0"	3'-0"	N. B.	6" Upper Case, 4.5" Lower Case
2	Tube	2"	10'-0"	3'-0"	S. B.	6" Upper Case, 4.5" Lower Case

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	FH-039-1(3)	1977	4	11

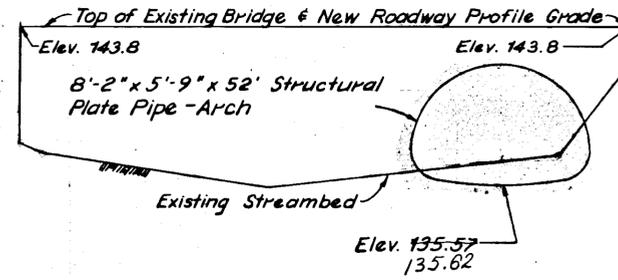
CULVERT PROFILE



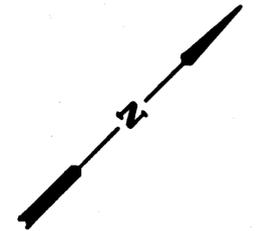
SECTION A-A



SECTION B-B



CULVERT DETAILS



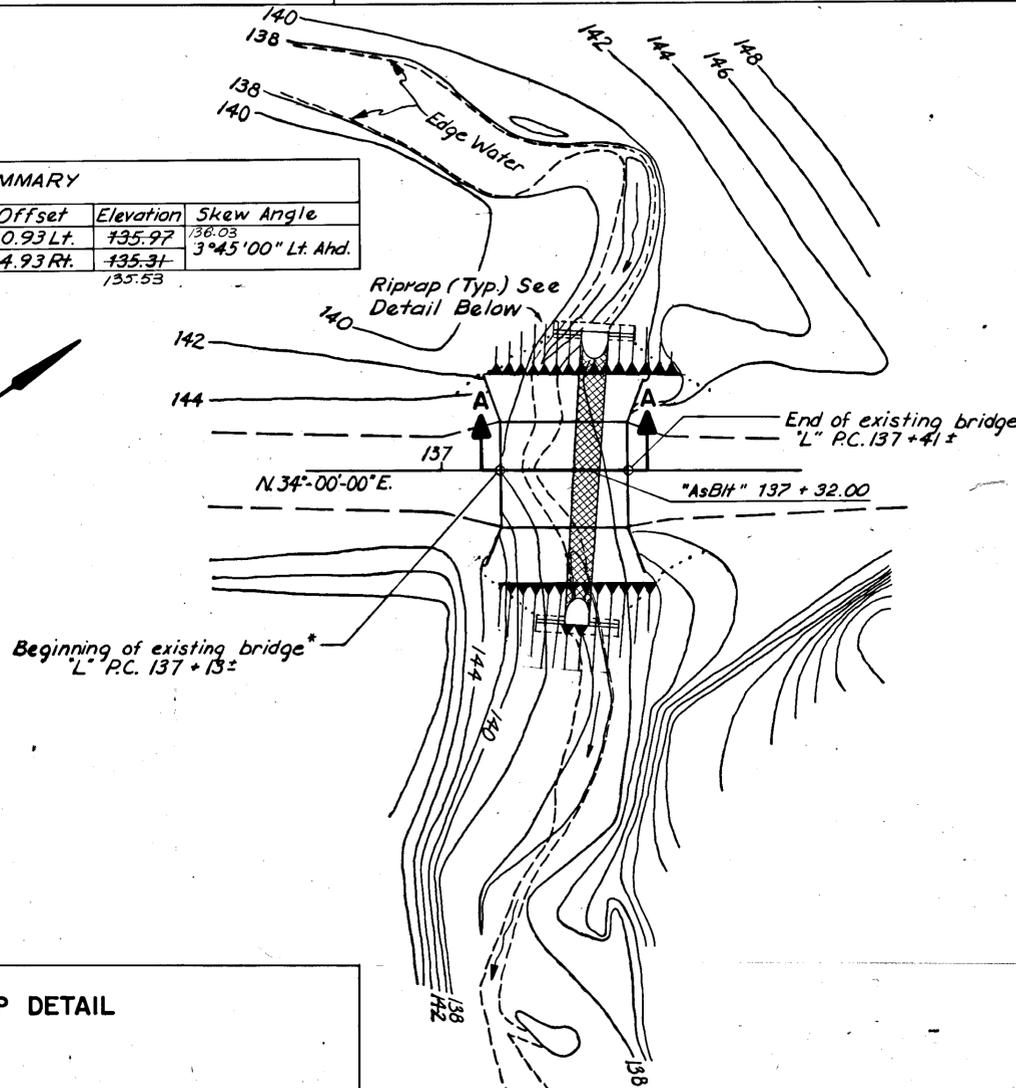
PIPE SUMMARY

Pipe-	Station	Offset	Elevation	Skew Angle
Inlet	"AsBlt" 137+34.03	30.93 Lt.	135.97	136.03
Outlet	"AsBlt" 137+29.71	34.93 Rt.	135.31	3°45'00" Lt. Ahd.

PIPE SUMMARY

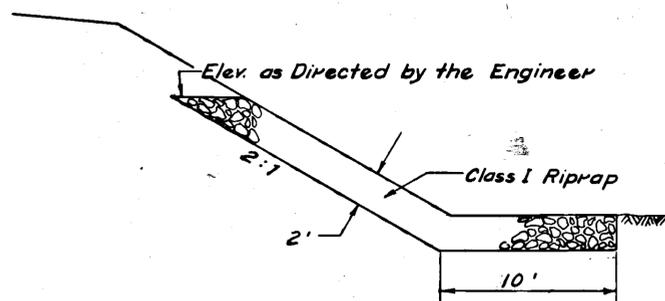
Pipe-	Station	Offset	Elevation	
Inlet	"AsBlt" 146+77.41	28.00 Lt.	136.26	136.21
Outlet	"AsBlt" 146+77.41	30.00 Rt.	134.83	135.03

12/29/77
 64-34-1(2)



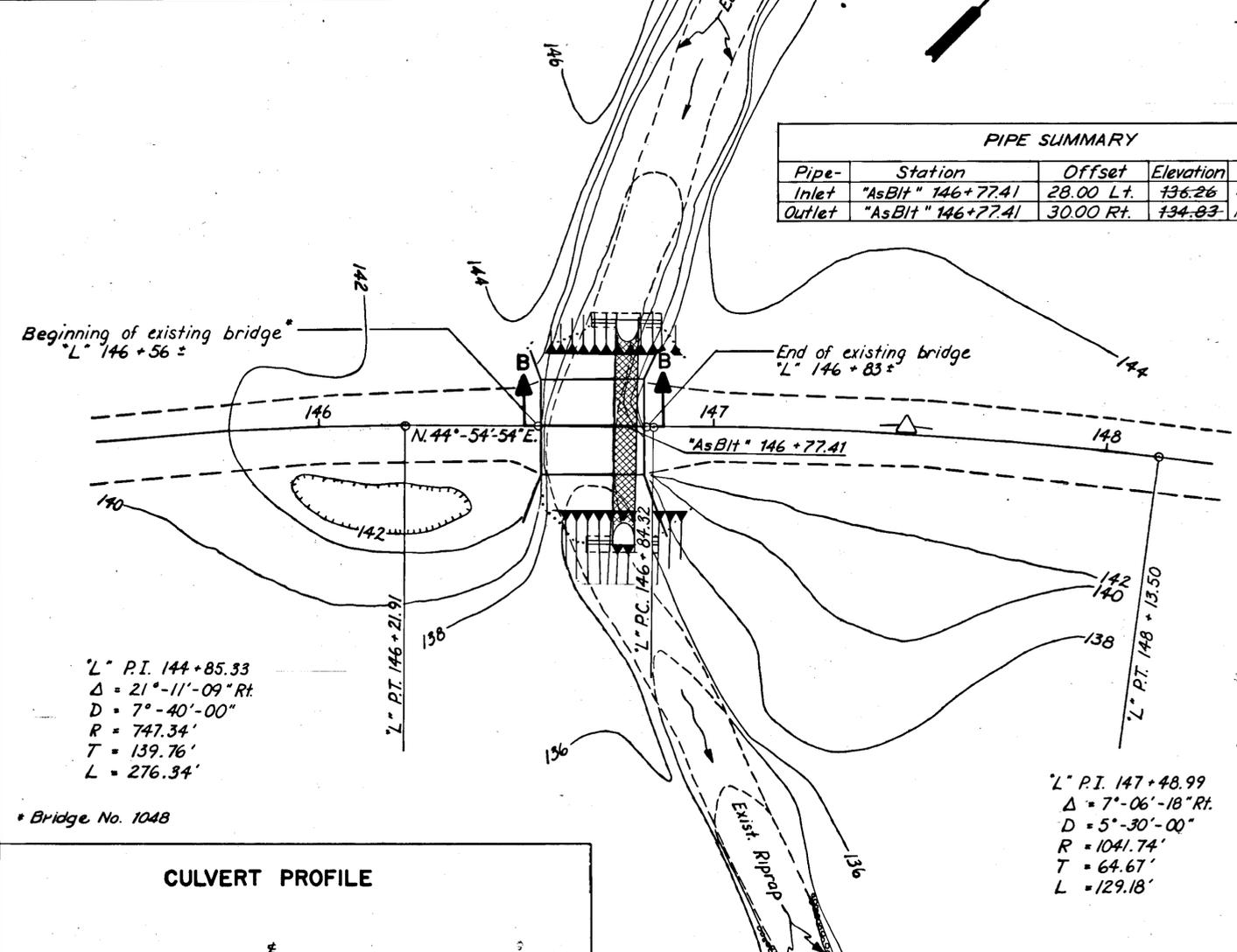
* Bridge No. 1047

RIPRAP DETAIL



TOTAL ESTIMATED QUANTITIES

Item	Unit	Total
Class "A" Concrete	C.Y.	12.4
Reinforcing Steel	LB.	1900



* Bridge No. 1048

CULVERT PROFILE

