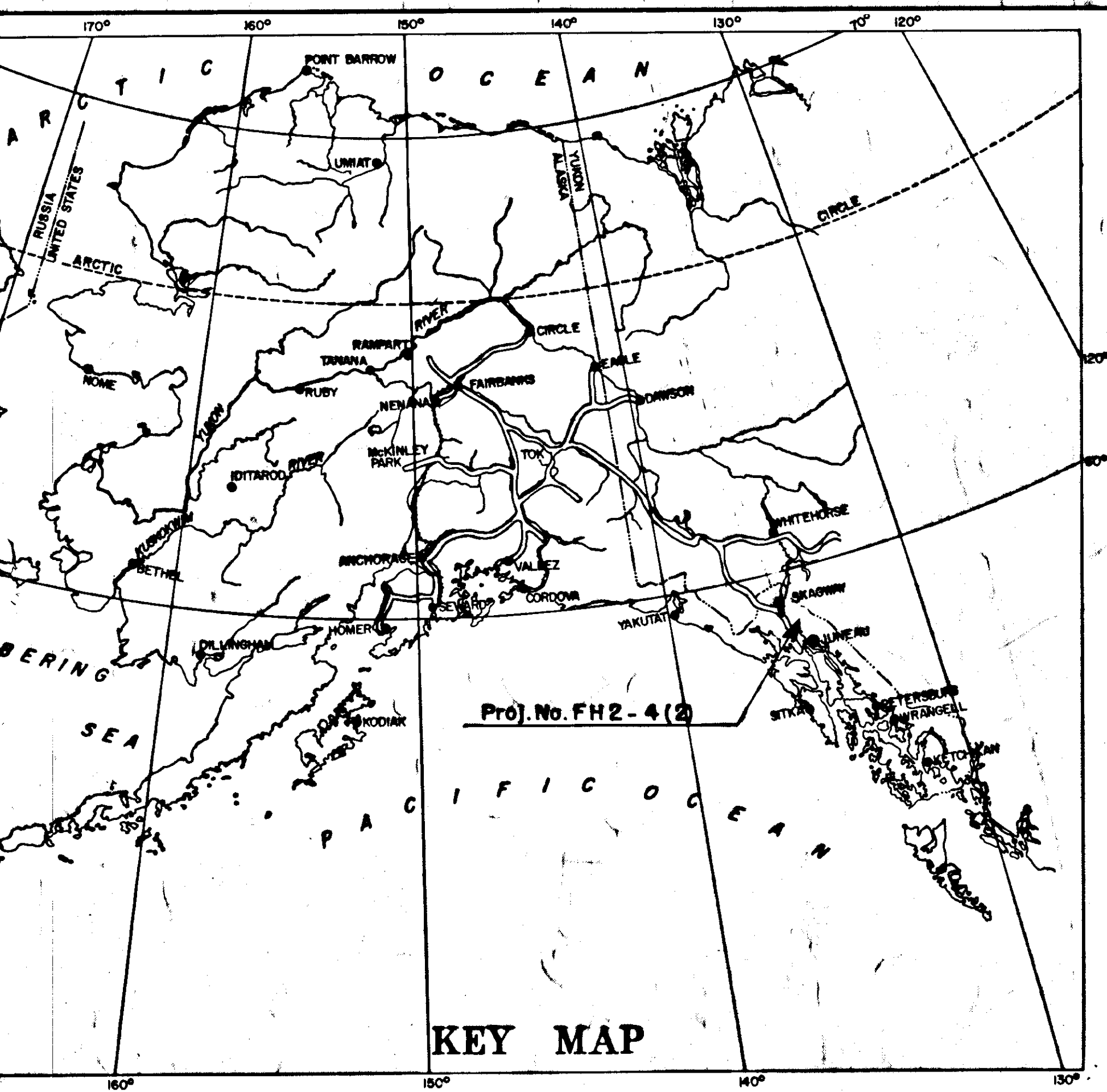




U.S. DEPARTMENT OF TRANSPORTATION
BUREAU OF PUBLIC ROADS
REGION 8

PLAN AND PROFILE
PROPOSED HIGHWAY PROJECT

PROJECT NO. FH2-4 (2)
YANKEE COVE TO BRIDGET COVE
GLACIER HIGHWAY
GRADING & DRAINAGE

ALASKA FOREST HIGHWAY
TONGASS NATIONAL FOREST
ALASKA

AS BUILT PLANS
11-12-71
Date

STATE	ROUTE	SECTION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	FH 2	4	1969	1	21

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2-3	TYPICAL SECTION & ESTIMATE OF QUANTITIES
4-5	CULVERT PIPE SUMMARY
6-13	PLAN & PROFILE SHEETS
14-15	CULVERT PIPE DETAIL SHEETS
16	SCENIC OVERLOOK LAYOUTS
17	SUMMARY OF R.O.W. MONUMENTS
18	STANDARD METAL END SECTIONS
19	STANDARD BEAM-TYPE GUARDRAIL
20	STANDARD DEAD END SIGN
21	STANDARD IDENTIFICATION SIGN

PROJECT SUMMARY

WIDTH OF SUBGRADE	28 Ft.
LENGTH OF GRADING & DRAINAGE	22,138.85 Ft. = 4.193 MI.
TOTAL LENGTH OF PROJECT	22,138.85 Ft. = 4.193 MI.

TYPE 2010 IMPROVEMENT

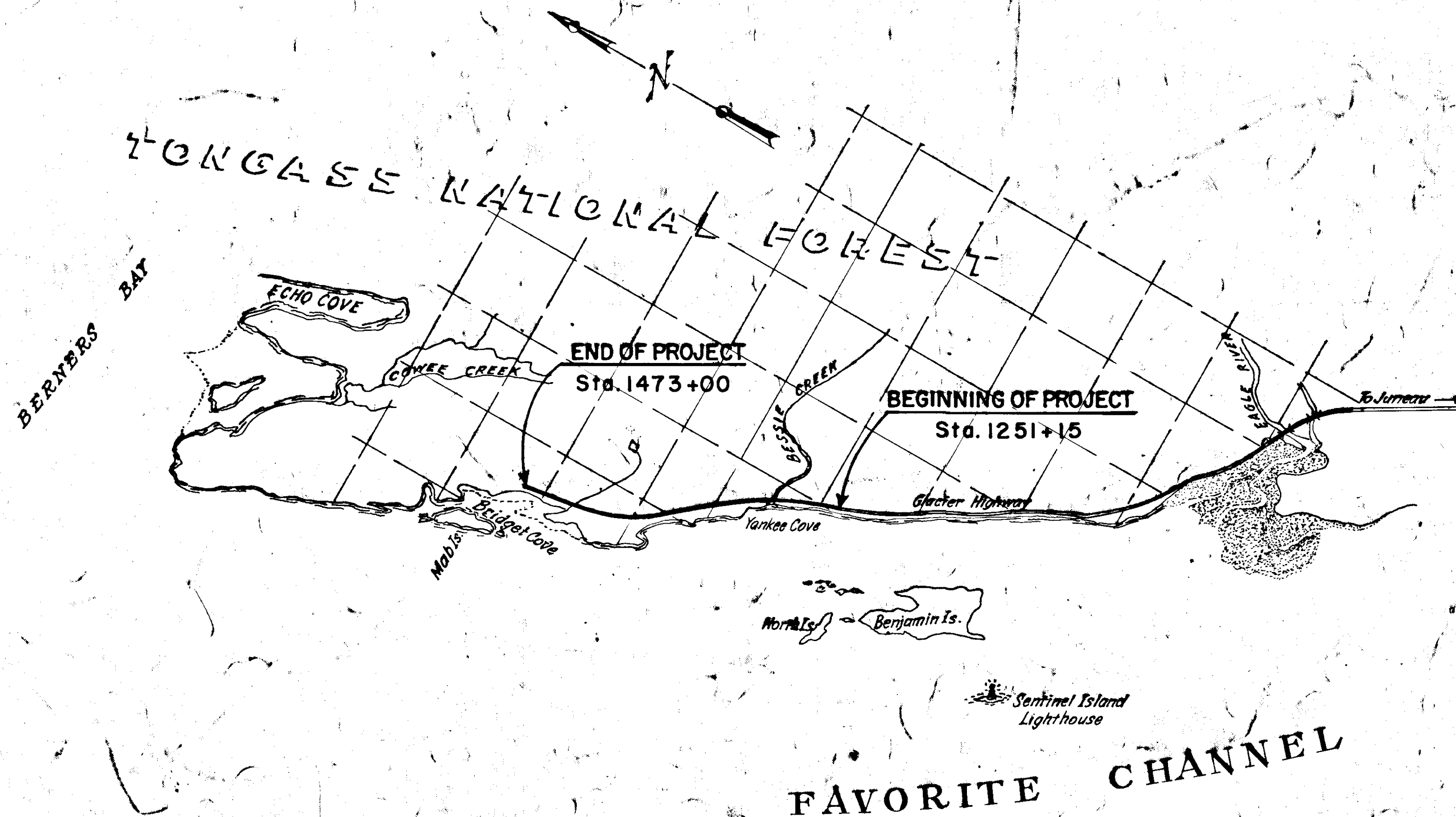
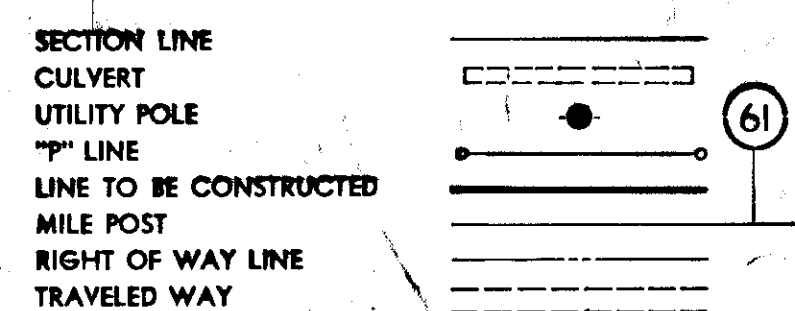
ADT	(1969)	= 0
ADT	(1989)	= 1085
DHV	20%	= 180
D		= 60-40%
T		= 10%
V		= 50 m.p.h.

APPROVED

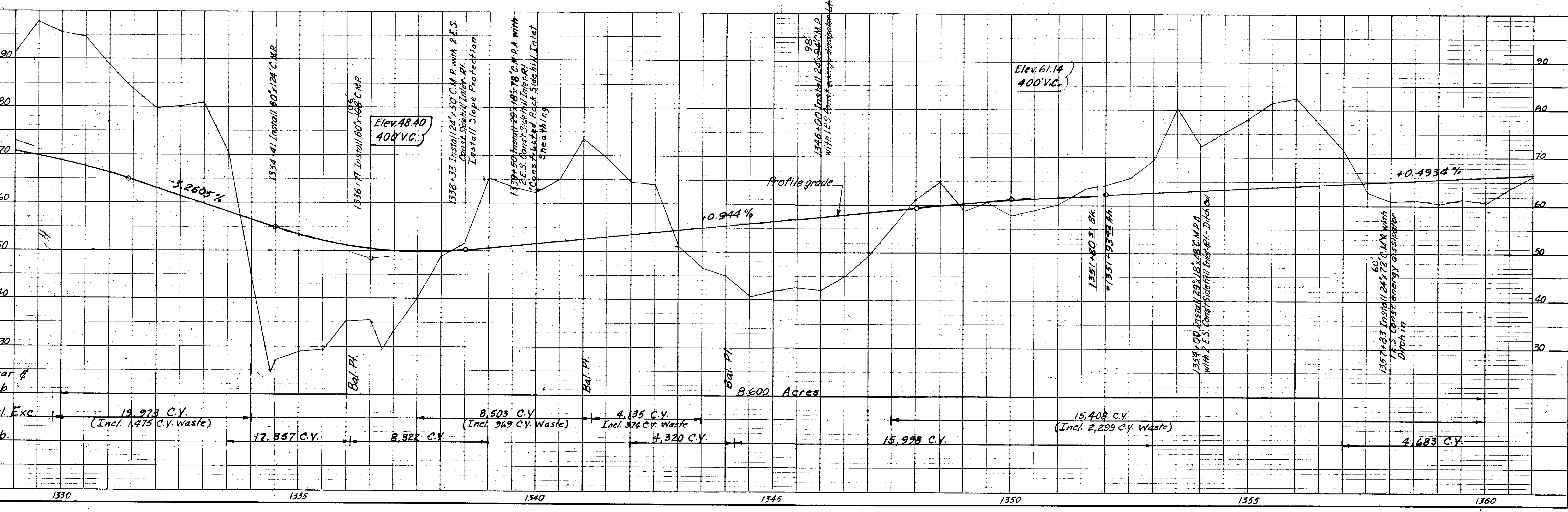
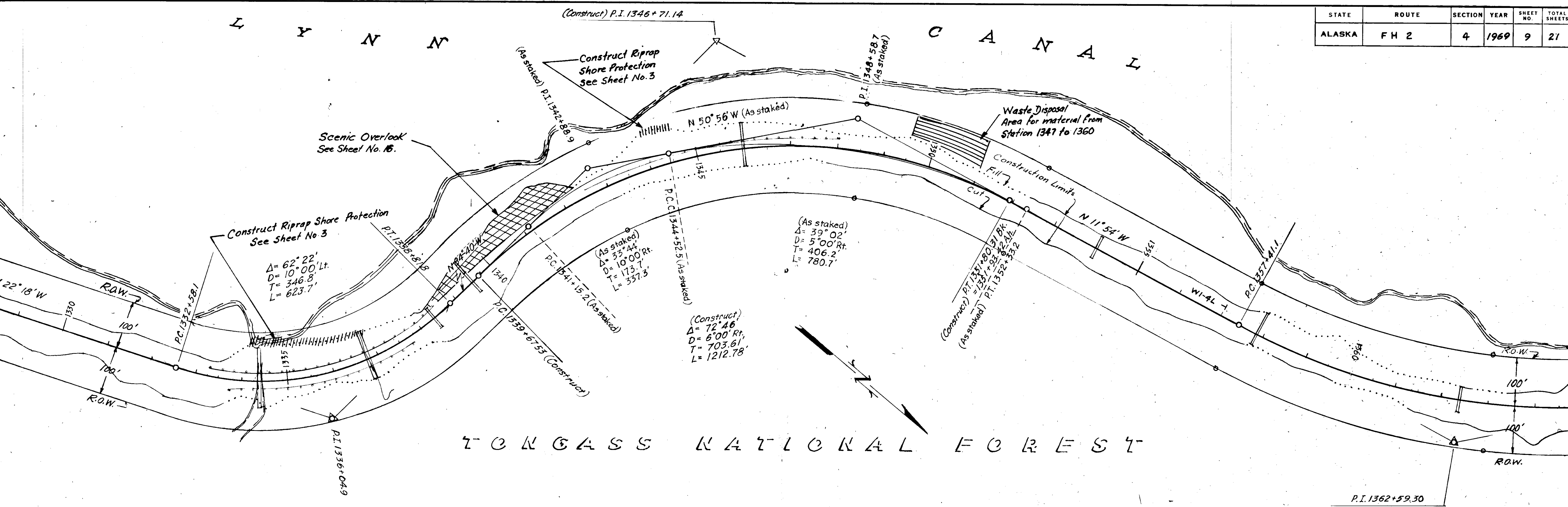
H. S. Tepton
DIVISION ENGINEER
BUREAU OF PUBLIC ROADS
REGION EIGHT
Date 7/13/69

SCALE

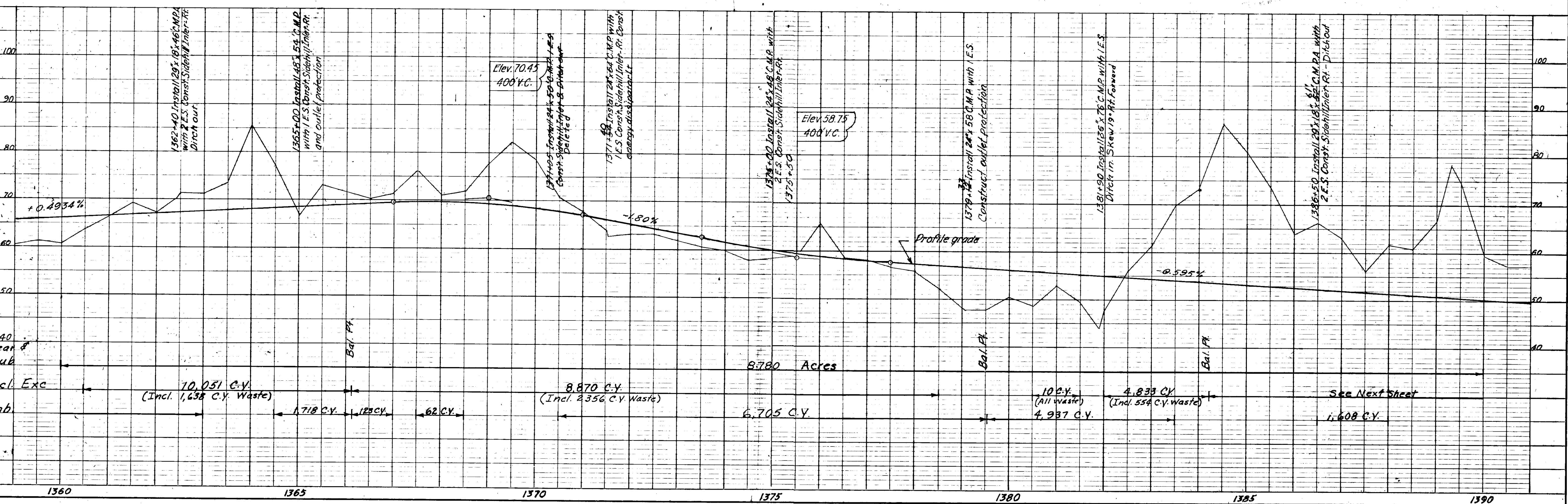
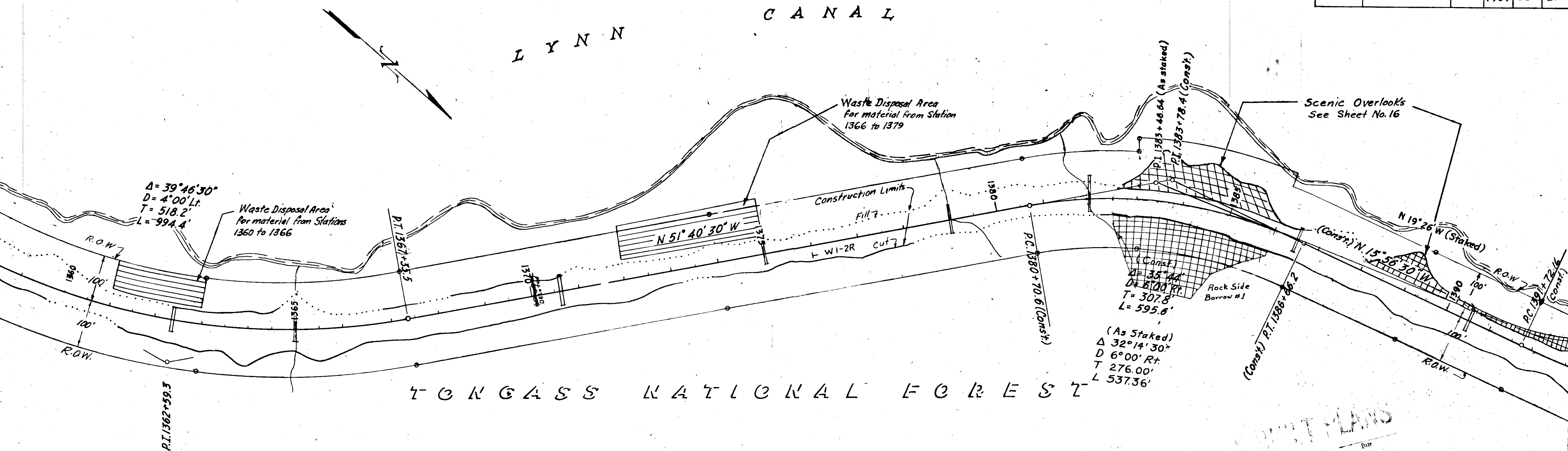
CONVENTIONAL SIGNS



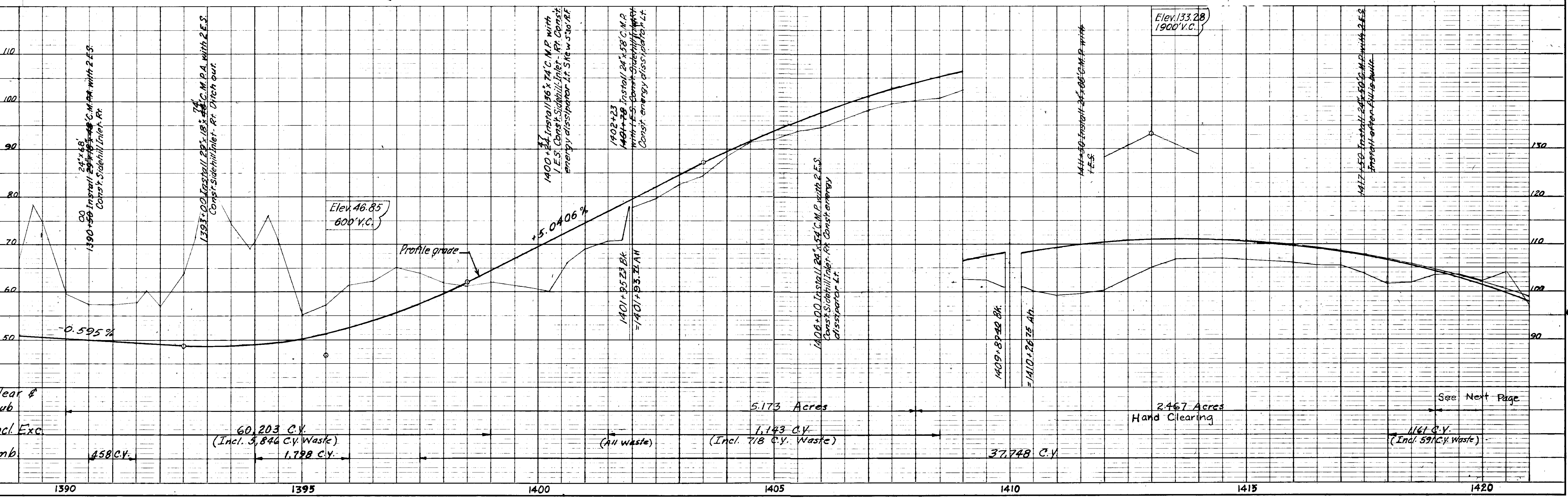
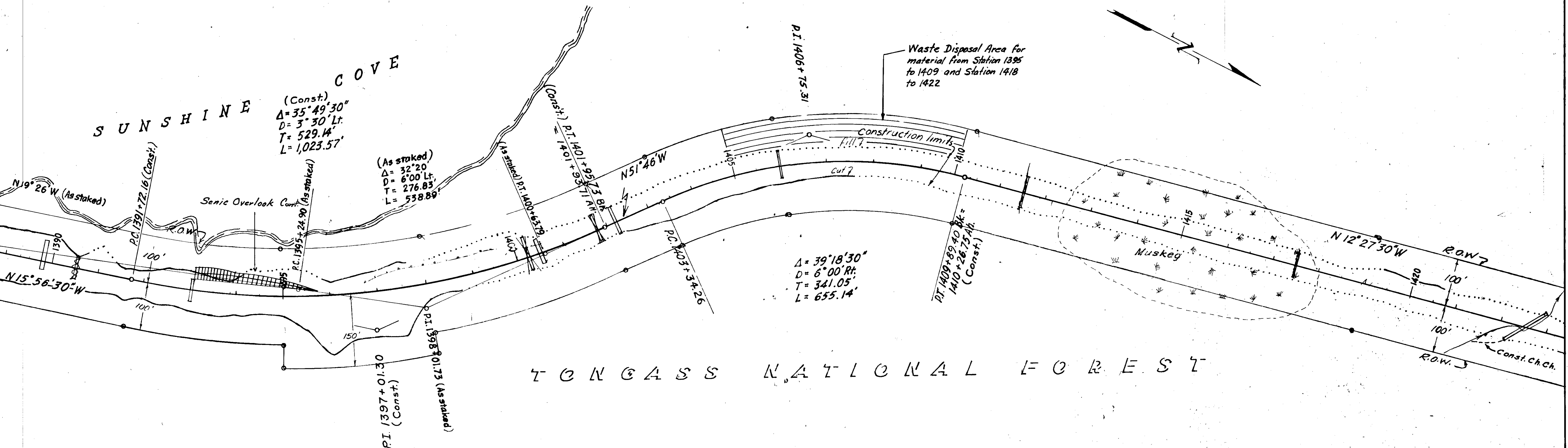
STATE	ROUTE	SECTION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	FH 2	4	1969	9	21



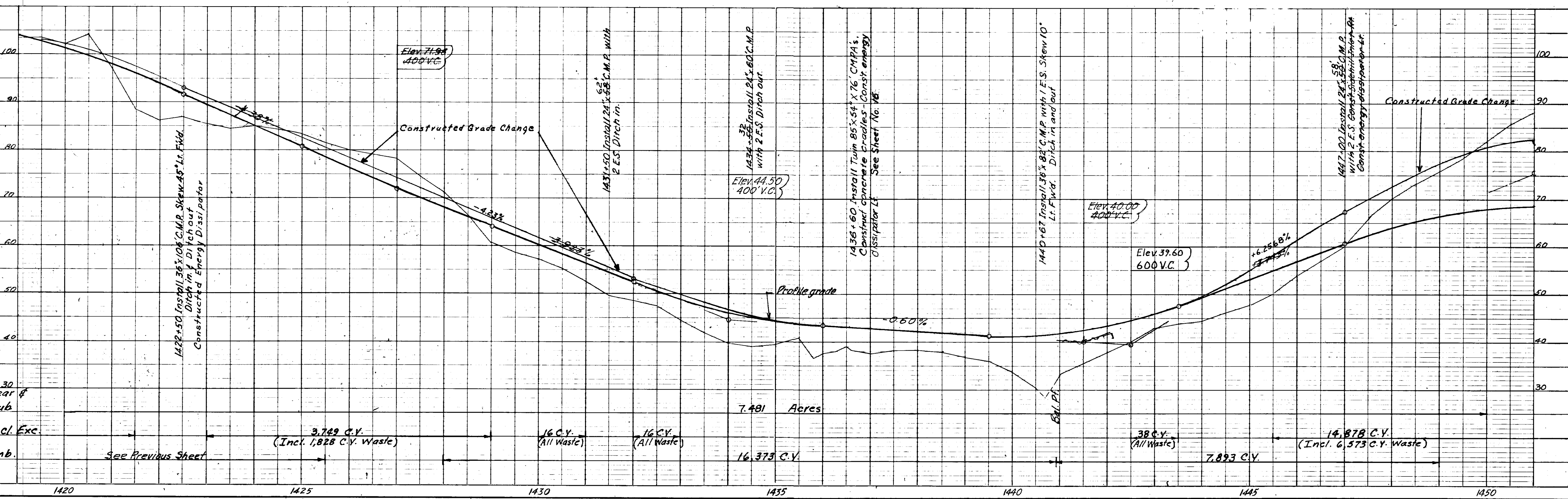
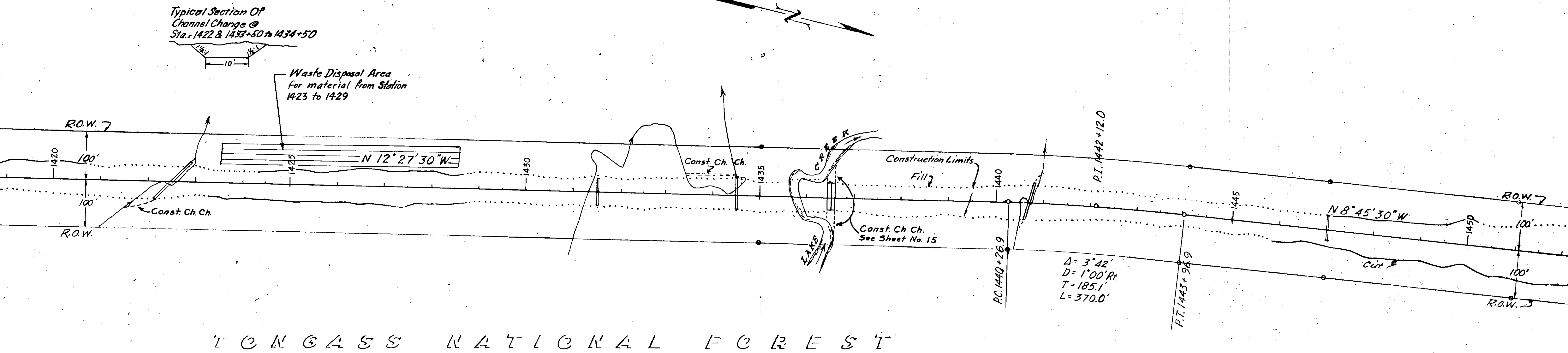
STATE	ROUTE	SECTION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	FH 2	4	1969	10	21



STATE	ROUTE	SECTION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	FH 2	4	1969	11	21



STATE	ROUTE	SECTION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	FH 2	4	1969	12	21



STATE	ROUTE	SECTION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	FH 2	4	1969	13	21

TYPICAL SECTION
Showing Channel Change From
Sta. 1459+50 to 1460+25

8' Min. Profile grade 8' Min. 12" Special Subbase, grading B 2' Min.

TYPICAL SECTION OF SPECIAL DITCH
Sta 1455+50 to 1459+00

Rock Side Borrow Case #2

Exact boundaries of waste area to be as staked by the engineer.

Cleared But Not used Waste Disposal Area

N 8° 45' 30" W Construct Channel Change

Waste Disposal Area

Waste Disposal Areas for material from Sta. 1445+00 to 1473+00.

BRIDGET COVE

$\Delta = 46^\circ 03'$
 $D = 8^\circ 00' \text{ Lr.}$
 $T = 304.4'$
 $L = 575.6'$

P.I. 1476+42.27

1480

P.C. 1478+44.79

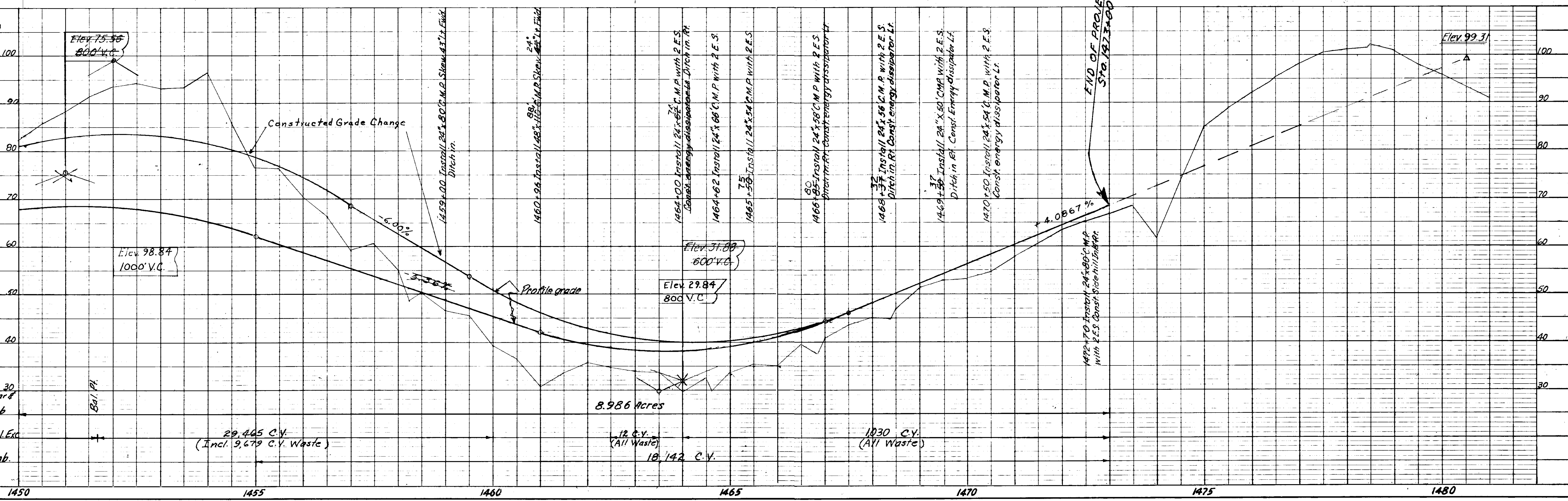
Install 62.5' Guardrail, striped in accordance with Manual on Uniform Traffic Control Devices. No direct payment will be made for painting this guardrail. Deleted

P.I. 1473+71.07

Dead End Sign Moved to Sta. 1445+79

R.O.W.

Construct turn-around as staked by the engineer.

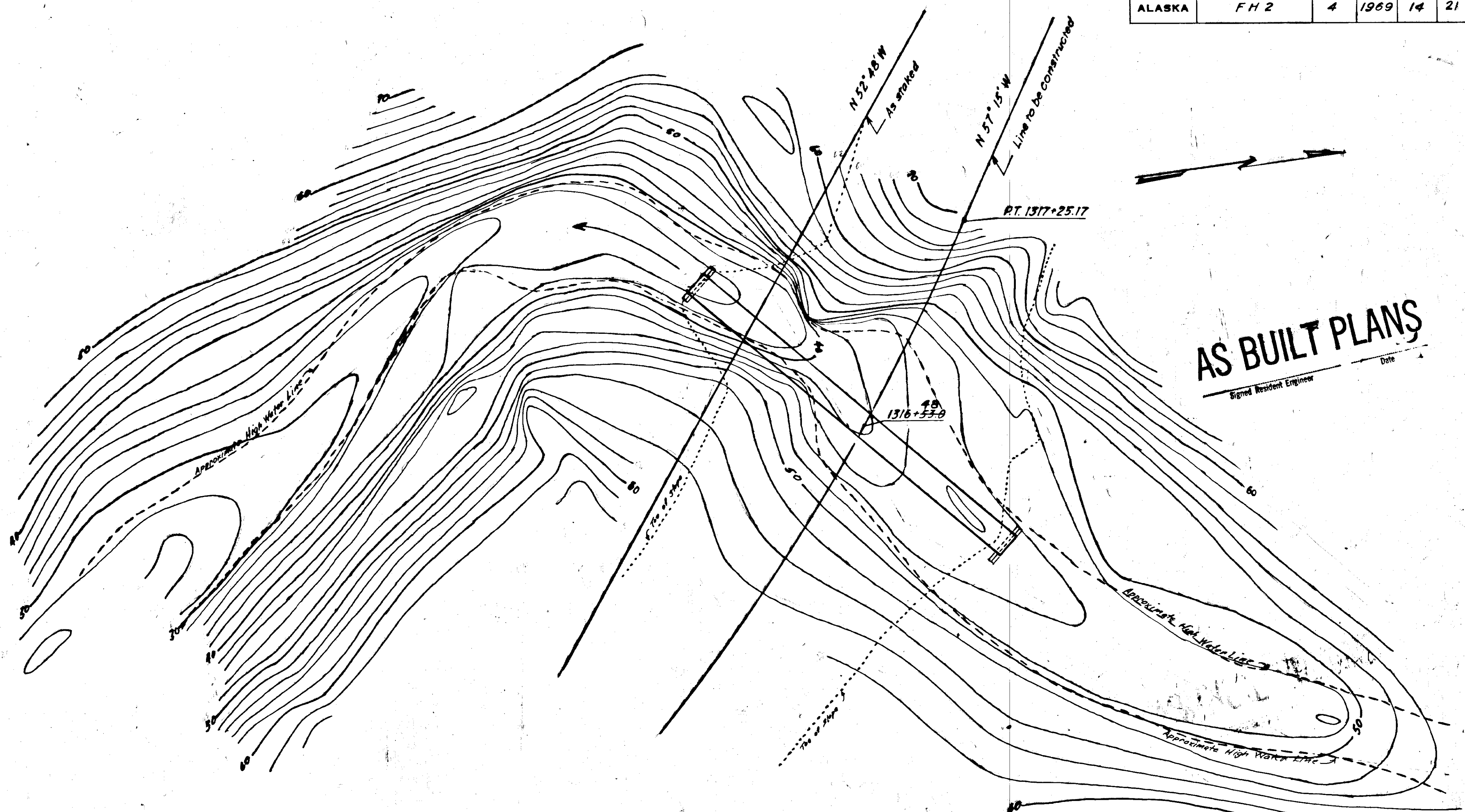


Anchorage Assembly

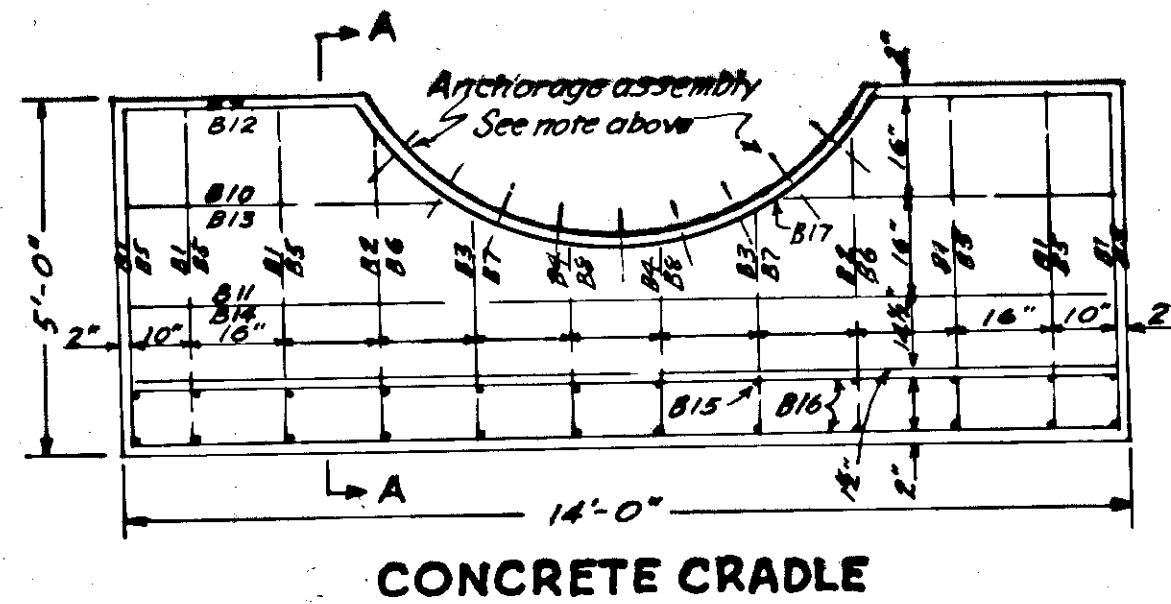
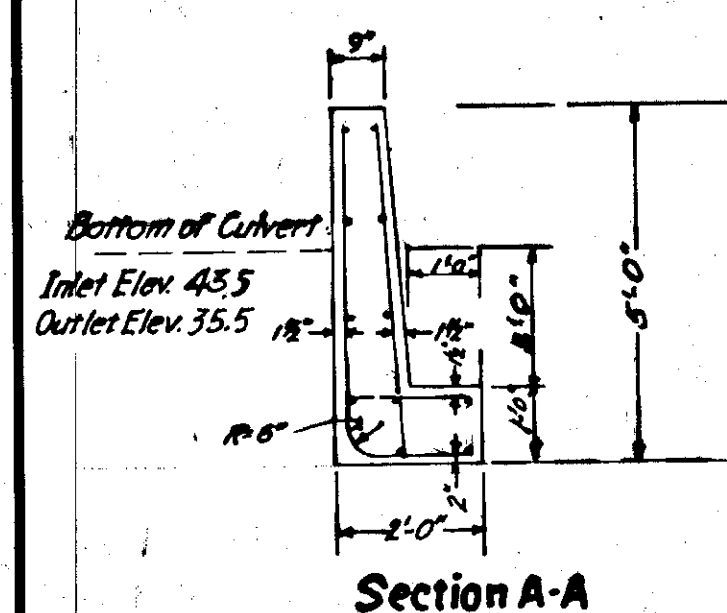
The female portion of the anchor shall be a Threaded Insert, Screw Anchor or Flared Coil Loop Anchor capable of sustaining a 3 ton load, cast into the concrete, and spaced on 9.6" nominal centers to match the holes in the end plate of the pipe. The male portion of the anchor shall be a 3/4" bolt of suitable length, threaded to match the female portion. A washer of 2" minimum dimension and 1/8" minimum thickness, with one face shaped to match the pipe corrugation and the other face plane to match the bolt head, shall be placed under each bolt head when fastening the pipe to the concrete cradle. Alternately, a bolt with a head shaped to fit the corrugations may be used in place of the bolt-washer combination. The bolt head shall be 1 1/4" in minimum dimension. The holes in the pipe may not be reamed to a diameter larger than 7/8". All parts of the anchorage and bolts and washers used therewith shall be galvanized as specified in AASHTO M III-60.

BAR LIST

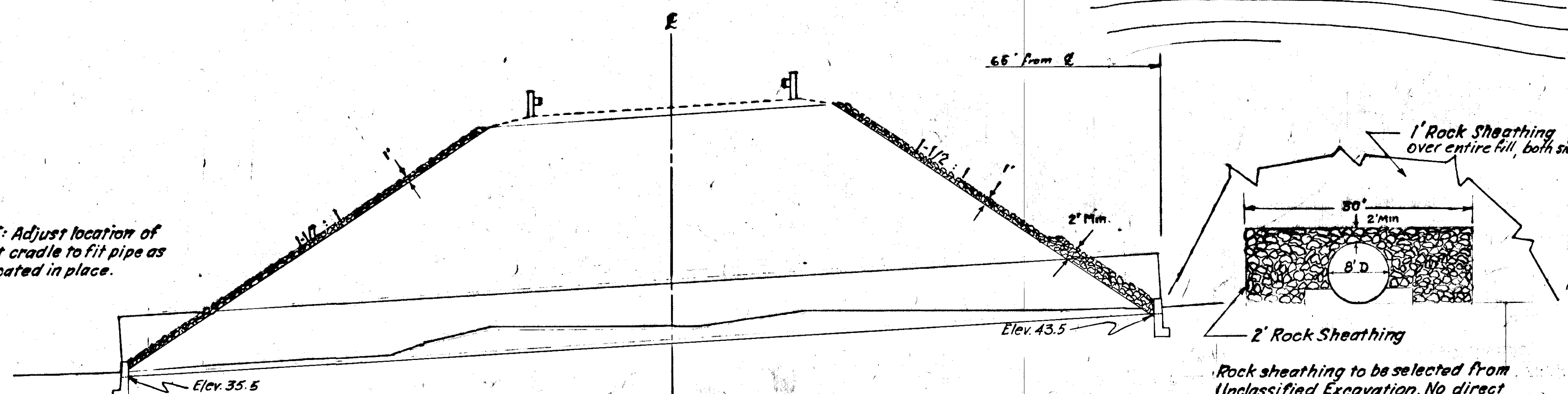
Location	STRAIGHT BARS MARK NO. LENGTH	BENT BARS MARK NO. LENGTH	BENDING DIAGRAM ALL DIMENSIONS ARE OUT TO OUT	SIZE
Backwall Vertical		B1 12 6'-2 1/2"		4
Backwall Vertical		B2 4 5'-10 1/2"		4
Backwall Vertical		B3 4 4'-7 1/2"		4
Backwall Vertical		B4 4 4'-2 1/2"		4
Frontwall Vertical	B5 12 4'-8"			4
Frontwall Vertical	B6 4 4'-4"			4
Frontwall Vertical	B7 4 3'-1"			4
Frontwall Vertical	B8 4 2'-8"			4
Backwall Horiz.	B9 4 3'-3"			4
Backwall Horiz.	B10 4 4'-6"			4
Backwall Horiz.	B11 2 13'-9"			4
Frontwall Horiz.	B12 4 3'-3"			4
Frontwall Horiz.	B13 4 4'-6"			4
Frontwall Horiz.	B14 2 13'-9"			4
Footing	B15 24 1'-9"			4
Footing	B16 10 13'-9"			4
* Arc		B17 4 8'-6"		4



AS BUILT PLANS
Signed Resident Engineer _____ Date _____



NOTE: Adjust location of outlet cradle to fit pipe as fabricated in place.

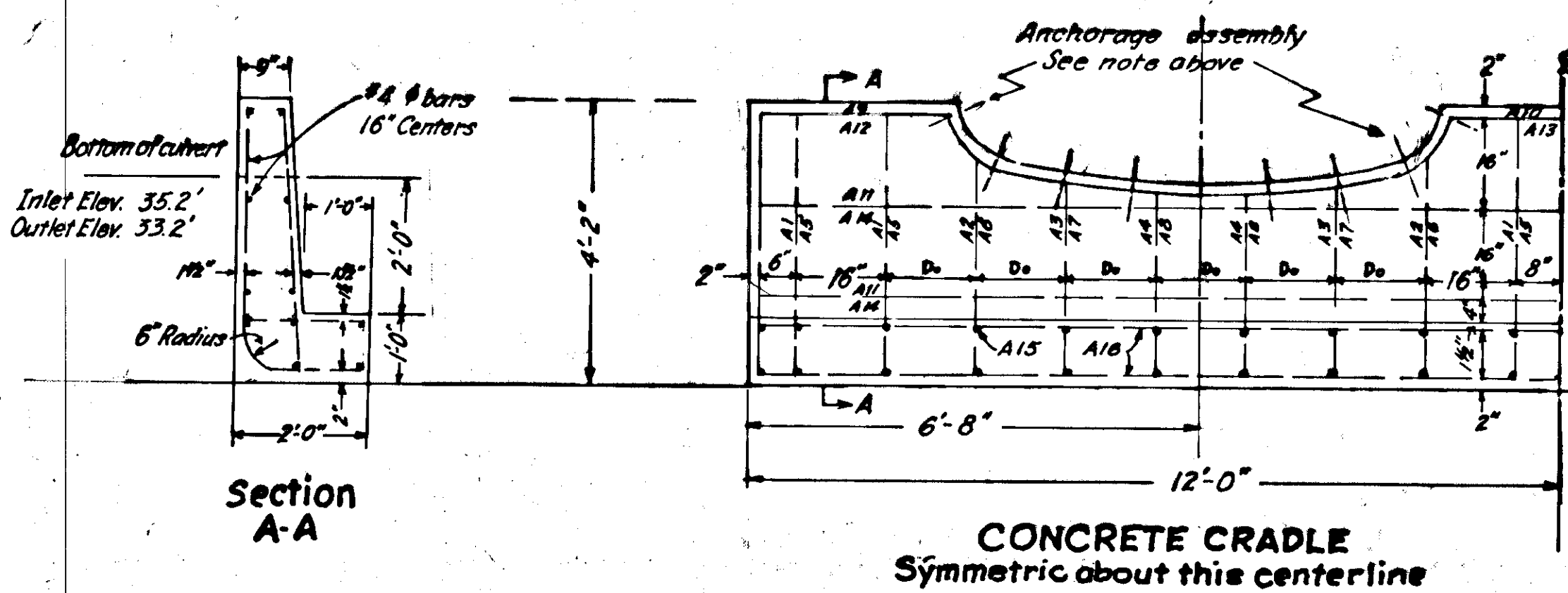


BESSIE CREEK
Sta. 1316+53
96' x 138' S.P.P.
Design Flood - 340 CFS.

Rock sheathing to be selected from Unclassified Excavation. No direct payment will be made for loading, hauling and placing rock sheathing.

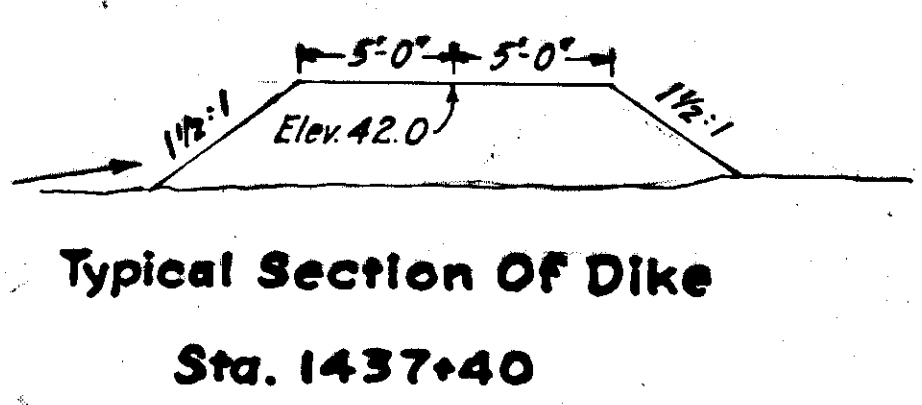
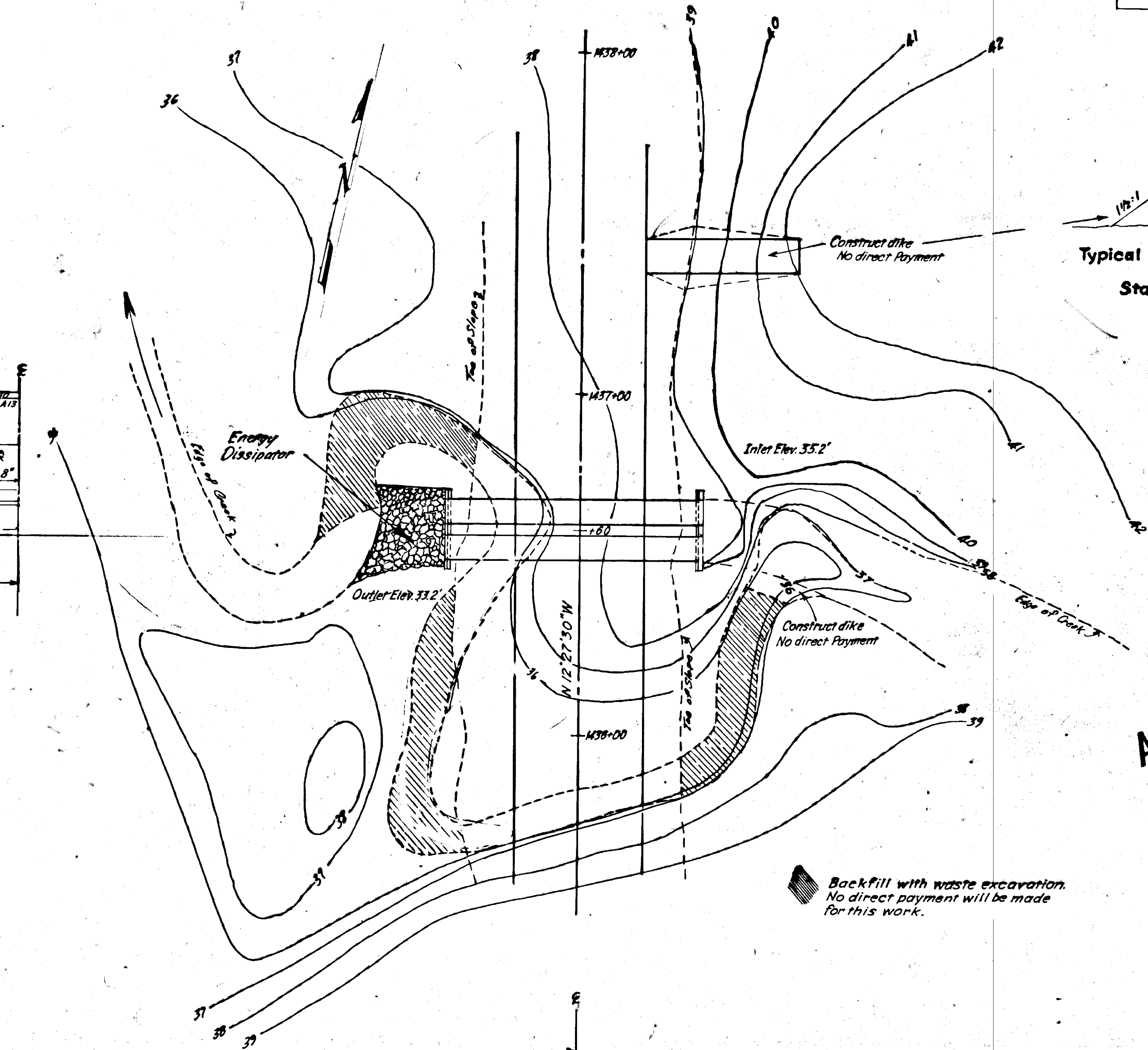
STATE	ROUTE	SECTION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	F H 2	4	1969	15	21

ANCHORAGE ASSEMBLY
 The female portion of the anchor shall be a Threaded Insert, Screw Anchor or Flared Coil Loop Anchor capable of sustaining a 3 ton load, cast into the concrete, and spaced on 9.6" nominal centers. The male portion of the anchor shall be a 3/4" bolt of suitable length, threaded to match the female portion. A washer of 2" minimum dimension and 1/8" minimum thickness, with one face shaped to match the pipe corrugation and the other face plane to match the bolt head, shall be placed under each bolt head when fastening the pipe to the concrete cradle. Alternately, a bolt with a head shaped to fit the corrugations may be used in place of the bolt-washer combination. The bolt head shall be 1 1/4" in minimum dimension. The holes in the pipe may not be reamed to a diameter larger than 7/8". All parts of the anchorage and bolts and washers used therewith shall be galvanized as specified in AASHTO M III-60.

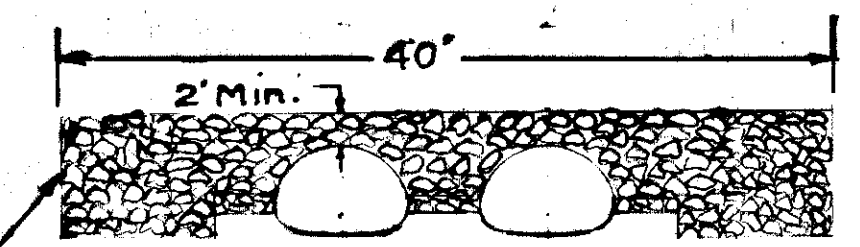
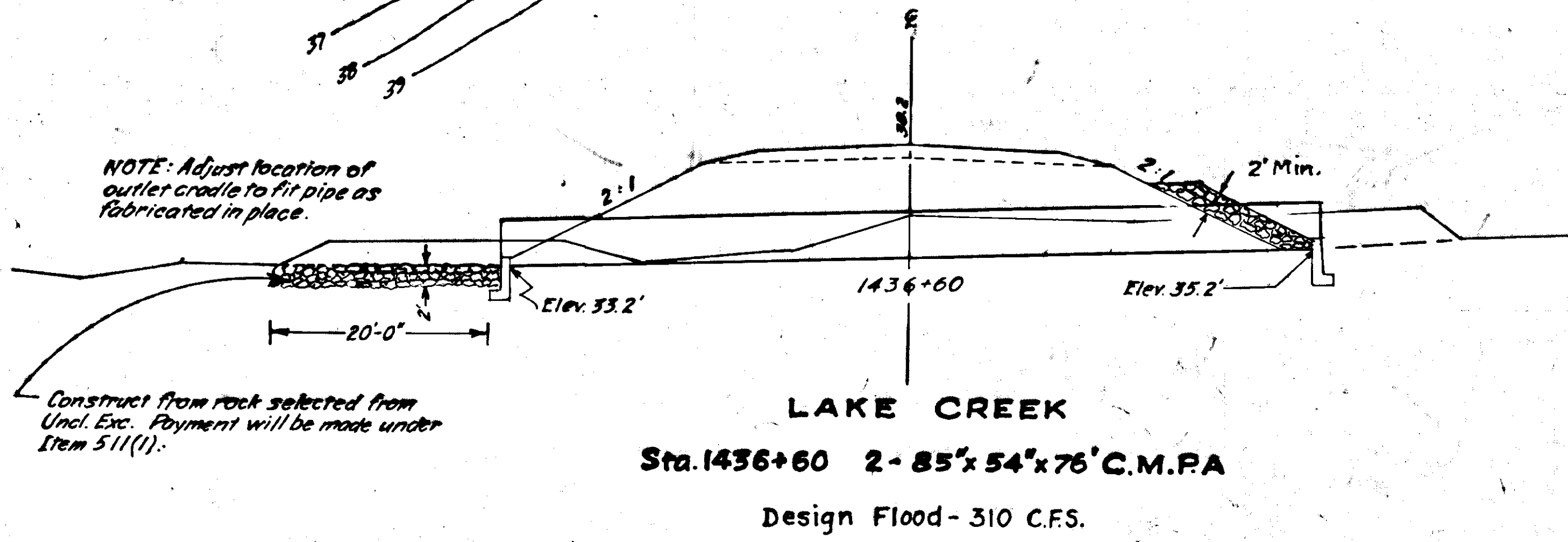


BAR LIST

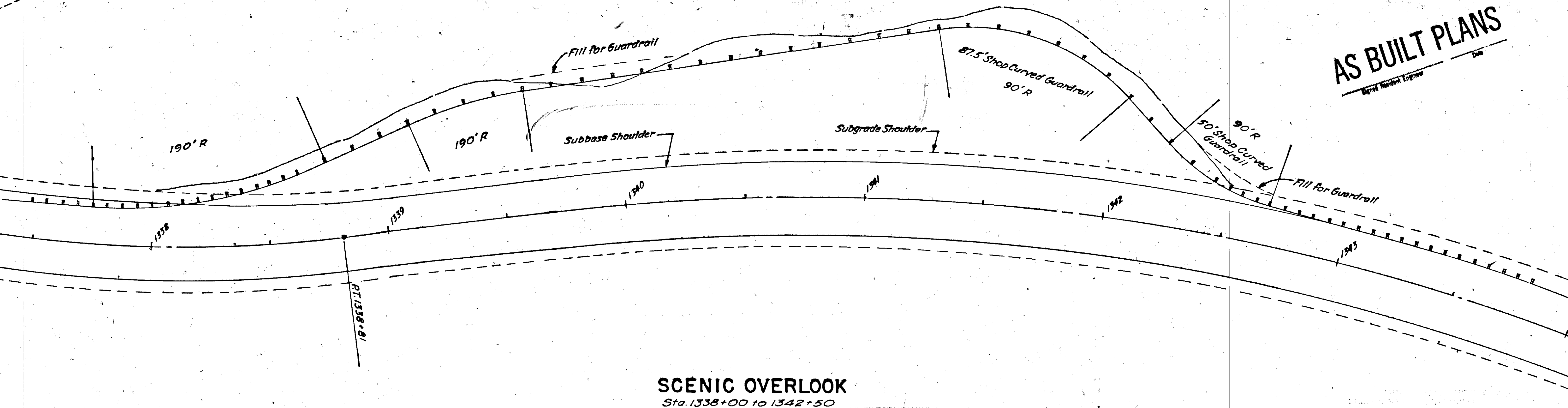
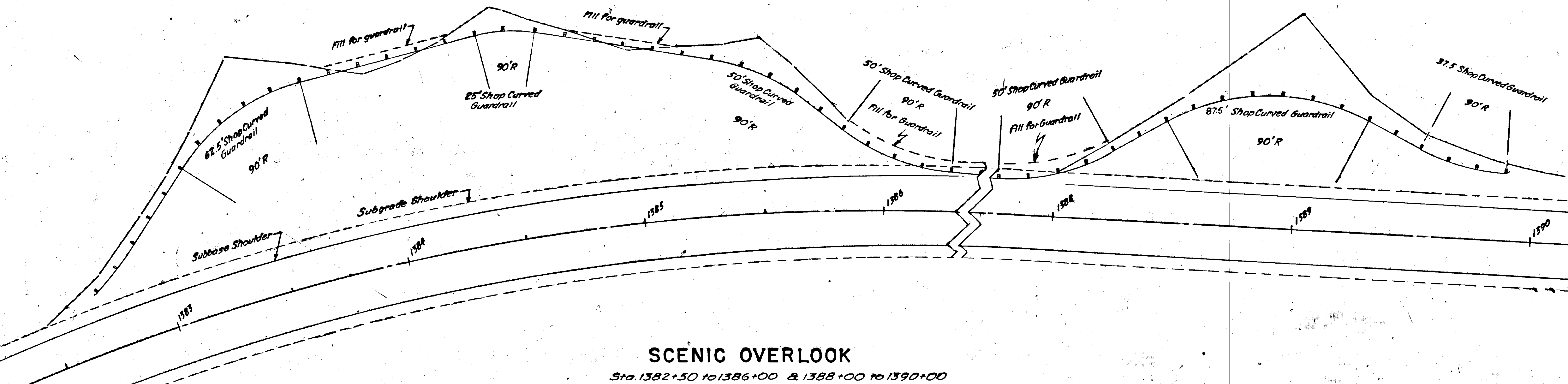
LOCATION	STRAIGHT BARS MARK NO. LENGTH	BENT BARS MARK NO. LENGTH	BENDING DIAGRAM	SIZE
Backwall Vertical		A1 16'-5 1/2"		4
Backwall Vertical		A2 8'-4'-9 1/2"		4
Backwall Vertical		A3 8'-4'-5 1/2"		4
Backwall Vertical		A4 8'-4'-3 1/2"		4
Front Vertical	A5 10'-3'-11"			4
Front Vertical	A6 8'-3'-3"			4
Front Vertical	A7 8'-2'-11"			4
Front Vertical	A8 8'-2'-9"			4
Backwall Horiz.	A9 4'-2'-9 1/2"			4
Backwall Horiz.	A10 2'-3'-3"			4
Backwall Horiz.	A11 4'-23'-8"			4
Front Horizontal	A12 4'-2'-9 1/2"			4
Front Horizontal	A13 2'-3'-3"			4
Front Horizontal	A14 4'-23'-8"			4
Footing	A15 40'-1'-8"			4
Footing	A16 10'-23'-8"			4
ARCH		A17 8'-8'-4"		4



AS BUILT PLANS
 Signed Resident Engineer _____
 Date _____



STATE	ROUTE	SECTION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	F H 2	4	1969	16	21



SCALE 1" = 20'-0"

AS BUILT PLANS
Byrd Mendenhall Engineer