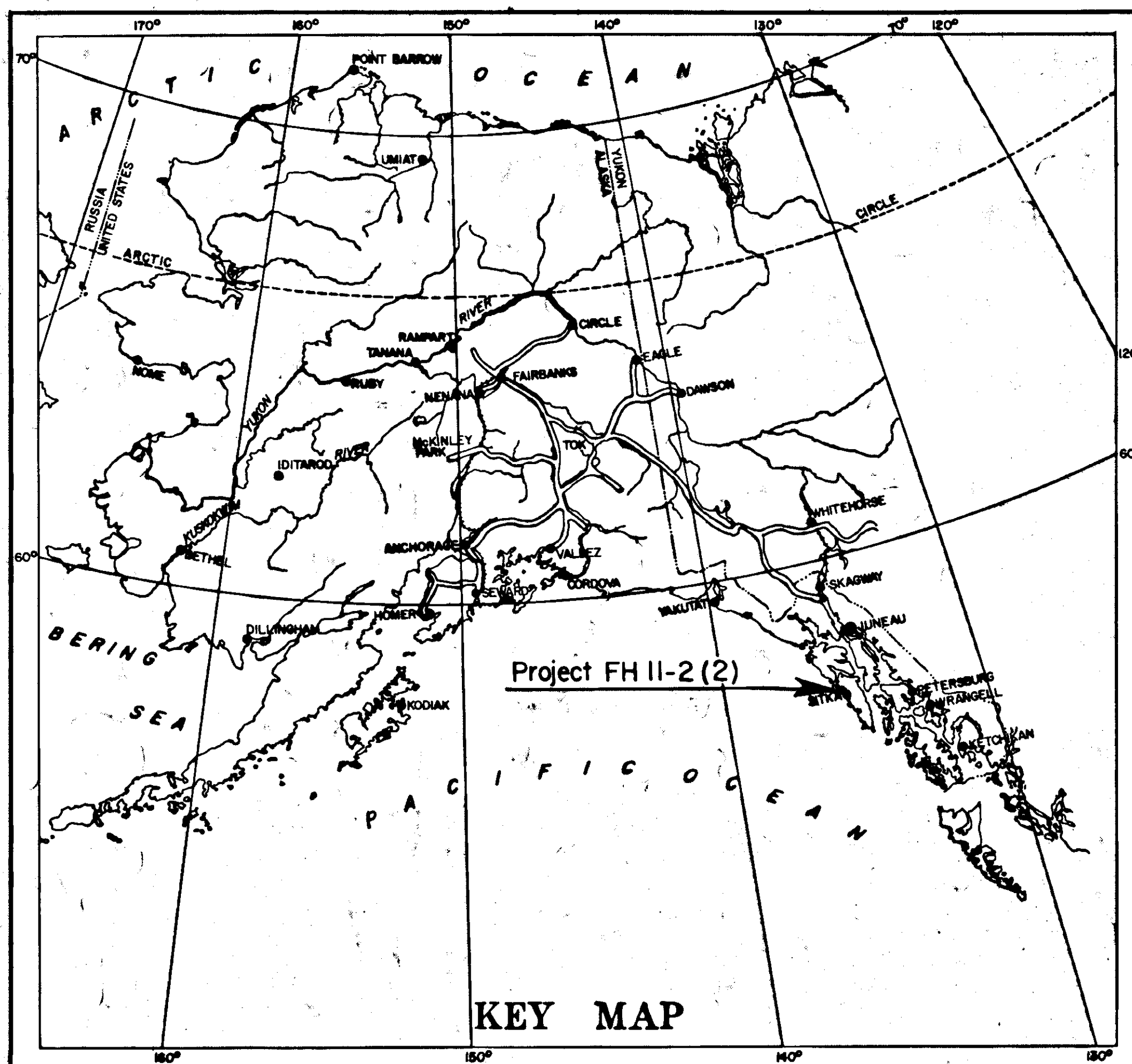




U. S. DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS
REGION 10

**PLAN AND PROFILE
PROPOSED HIGHWAY PROJECT**

No. FH II-2 (2)
GRADING & DRAINAGE
ALASKA FOREST HIGHWAY
SITKA HIGHWAY
TONGASS NATIONAL FOREST
ALASKA

STATE	ROUTE	SECTION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	11	2	1963	1	8

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	TYPICAL SECTIONS & ESTIMATE OF QUANTITIES
3	PLAN & PROFILE
4	PIPE ARCH INSTALLATION DETAIL
5	BORROW PIT PLAT
6	STANDARD CULVERTS R 10-S-4
7	STANDARD BEAM-TYPE GUARD RAIL
8	STANDARD CONSTRUCTION IDENTIFICATION SIGN R 10-S-6B

Field investigation soils reports and detailed cross sections for this project are available for inspection in the Federal Highway Projects Office, Region 10, Bureau of Public Roads in Juneau, Alaska.

PROJECT SUMMARY

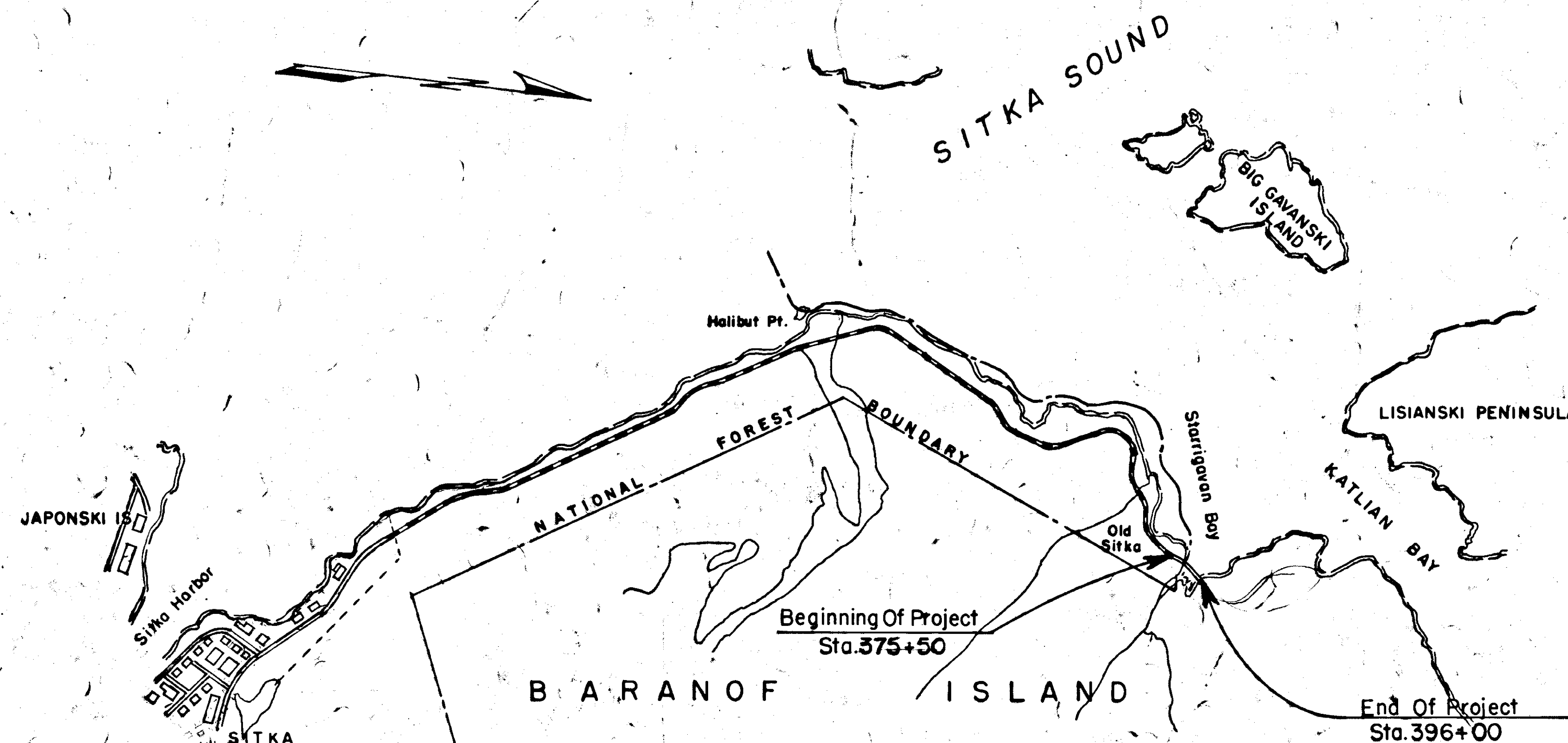
WIDTH OF SUBGRADE	28'
LENGTH OF GRADING & DRAINAGE	2,023.3' 0.80+ML 2,076.7' 0.59+3.3
TOTAL LENGTH OF PROJECT	2,023.3' 0.30+ML 2,076.7' 0.39+3.3

TYPE 0011 IMPROVEMENT

SCALE

CONVENTIONAL SIGNS

SECTION LINE	---
CULVERT	—•—
UTILITY POLE	—•—
"P" LINE	—•—
LINE TO BE CONSTRUCTED	---
MILE POST	—•—
RIGHT OF WAY LINE	---
TRAVELED WAY	---



DESIGN DESIGNATION

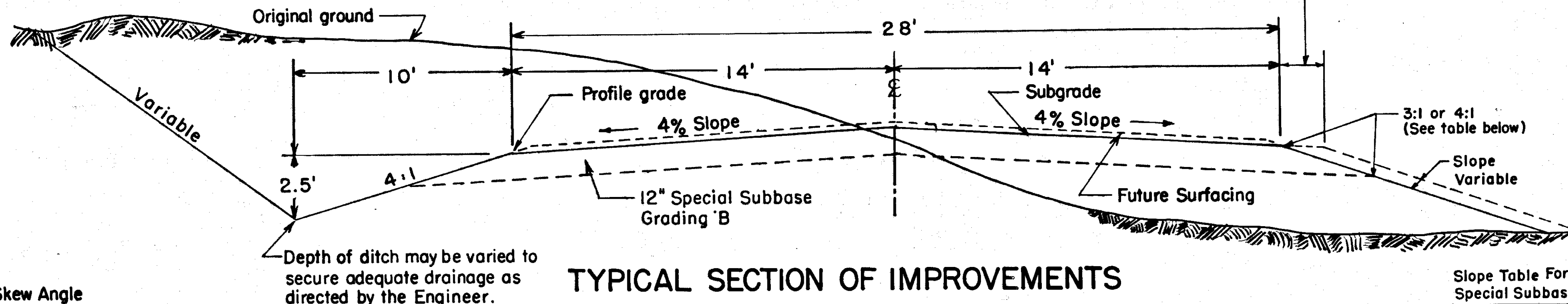
ADT	(1963)	= 0
ADT	(1983)	= 83
DHV		= 10
D		= 50%
T		= 15%
V		= 45

APPROVED

Chapman
REGIONAL ENGINEER
BUREAU OF PUBLIC ROADS
REGION TEN
Date 9/13/63

TABLE OF SLOPES

HEIGHT Cut or Fills	SLOPE
0' - 4'	4 : 1
4' - 10'	3 : 1
10' - 15'	2 : 1
Over 15'	1 1/2 : 1
Except in Rock	1/2 : 1



- GENERAL NOTES**
1. The culvert lengths as shown are approximate only. The contractor shall not order pipe until the actual lengths are furnished by the Engineer.
 2. The grades and alignment shown on these plans are subject to minor revisions.
 3. Unsuitable unclassified excavation to be placed in disposal areas as shown on the plans or as directed by the Engineer.
 4. All corrugated metal pipe culverts shall be Asbestos Bonded.
 5. Structural Plate Pipe to be Bituminous Coated.

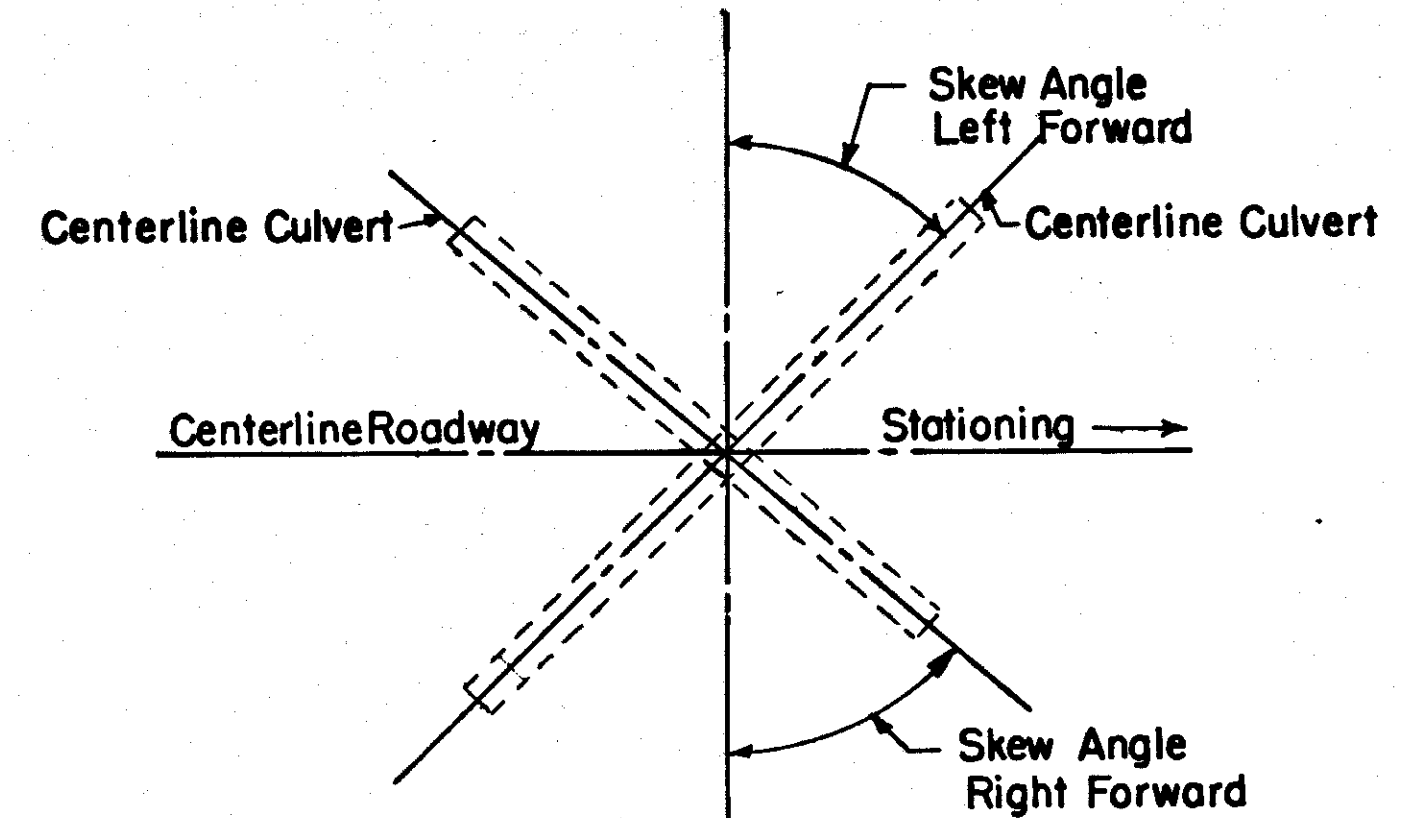
Slope Table For Special Subbase

Height of Fill	Subbase Slope
0' - 4'	4:1
over 4'	3:1

TYPICAL SECTION OF IMPROVEMENTS

ESTIMATE OF QUANTITIES

ITEM NO.	QUANTITY	UNIT	ITEM
10	All Req'd	Lump Sum	Extra & Misc. Force Account Work
100 (3)	4.162	Acre	Clearing and Grubbing
101 (1)	53.62	Sq. Ft.	Select Removal of Trees and Snags
102 (1)	18,000	Cu. Yd.	Unclassified Excavation 13,403.3 Cu. Yd.
102 (4)	24,000	Cu. Yd.	Borrow Excavation, Case I. 24,428.7 Cu. Yd.
103 (1)	750	Cu. Yd.	Excavation for Structures 681.9 Cu. Yd.
104 (1)	3,200	Cu. Yd.	Special Subbase, Grading B 3,081.1 Cu. Yd.
453 (46)	193.61	Lin. Ft.	24" Asbestos Bonded Corr. Metal Pipe
455 (52)	188.81	Lin. Ft.	14'-1" x 8'-9" Bit. Coated Structural Pl. Pipe Arch, Top & Side Plates 7 Gage & Bottom Plate 7 Gage
510 (1)	5,500	Cu. Yd.	Loose Riprap 5,401.9 Cu. Yd.
583 (2)	1,550	Lin. Ft.	Galvanized Beam-Type Guardrail 1,552.4 Cu. Yd.



SKIEW ANGLE

SUPER-ELEVATION TABLE

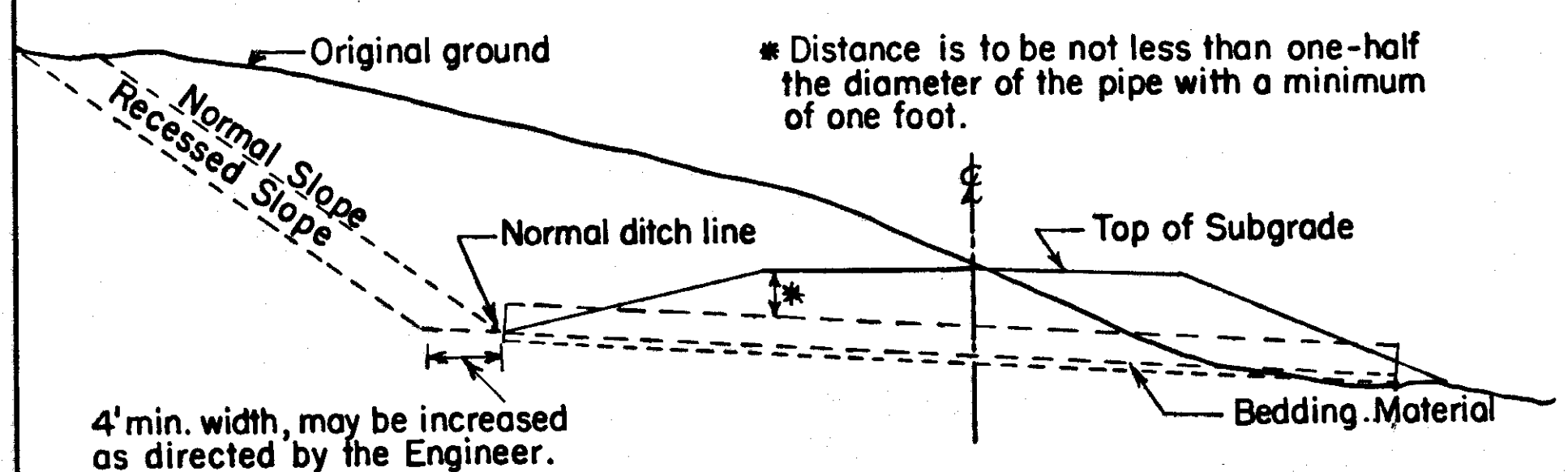
(Feet per foot of width)

DEGREE OF CURVE	GRADES 0.00% - 3.99%	GRADES 4.00% - 6.00%	GRADES 6.00% - 8.00%
1° 00'	0.04	0.04	0.04
1° 30'	0.04	0.04	0.04
2° 00'	0.04	0.04	0.04
2° 30'	0.05	0.05	0.05
3° 00'	0.06	0.06	0.05
3° 30'	0.07	0.06	0.05
4° 00'	0.08	0.06	0.05
Over 4° 00'	0.08	0.06	0.05

Rate of superelevation shown in feet per foot of roadway width. The grades will be carried on the shoulder on tangents and on the inside shoulder of curves, both 14' from centerline.

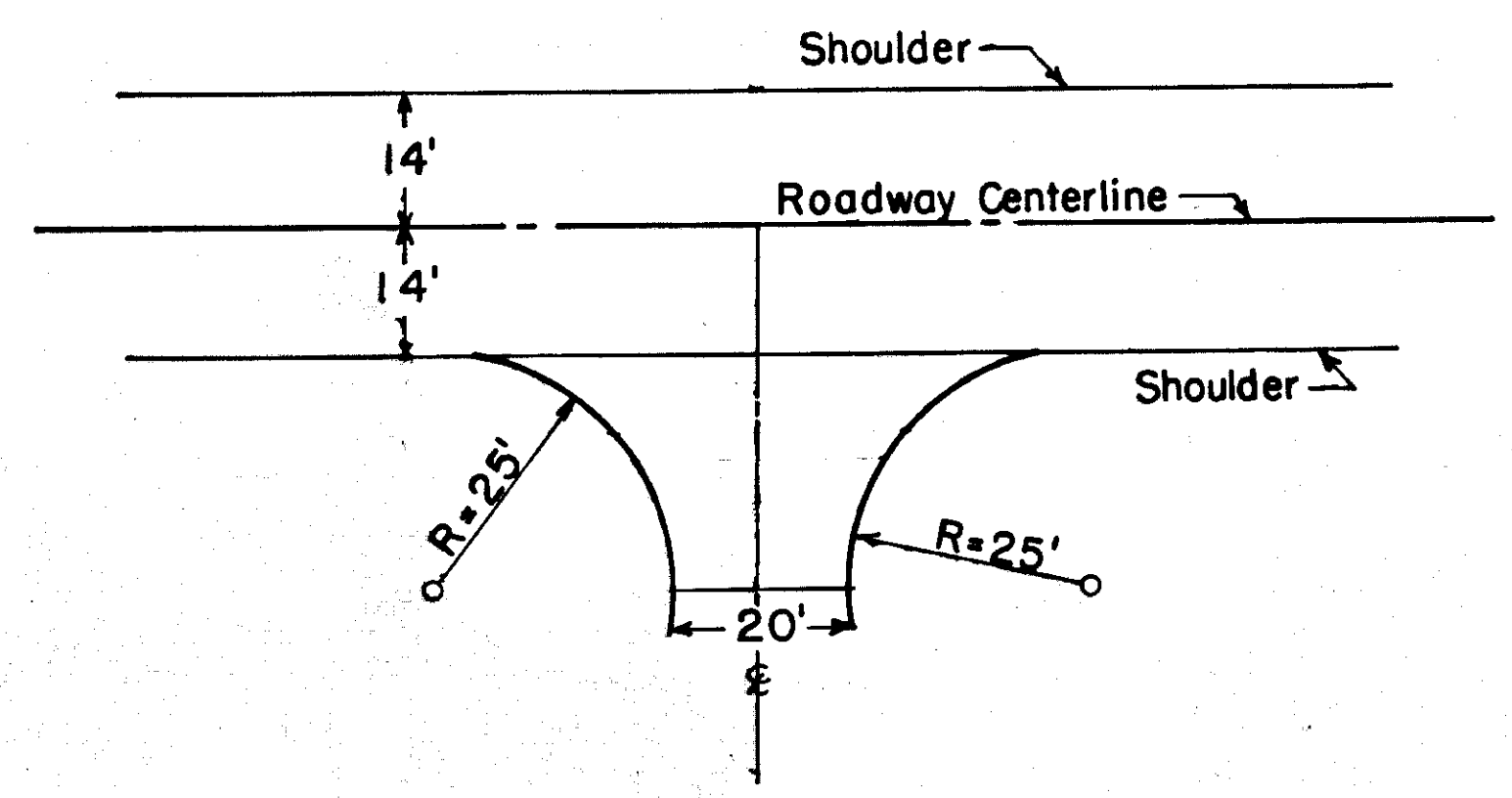
SUMMARY OF BEAM-TYPE GUARDRAIL

Station to Station	Side	Lin. Ft.
381 + 75	Right	800
389 + 75		
381 + 85	Left	750
389 + 35		

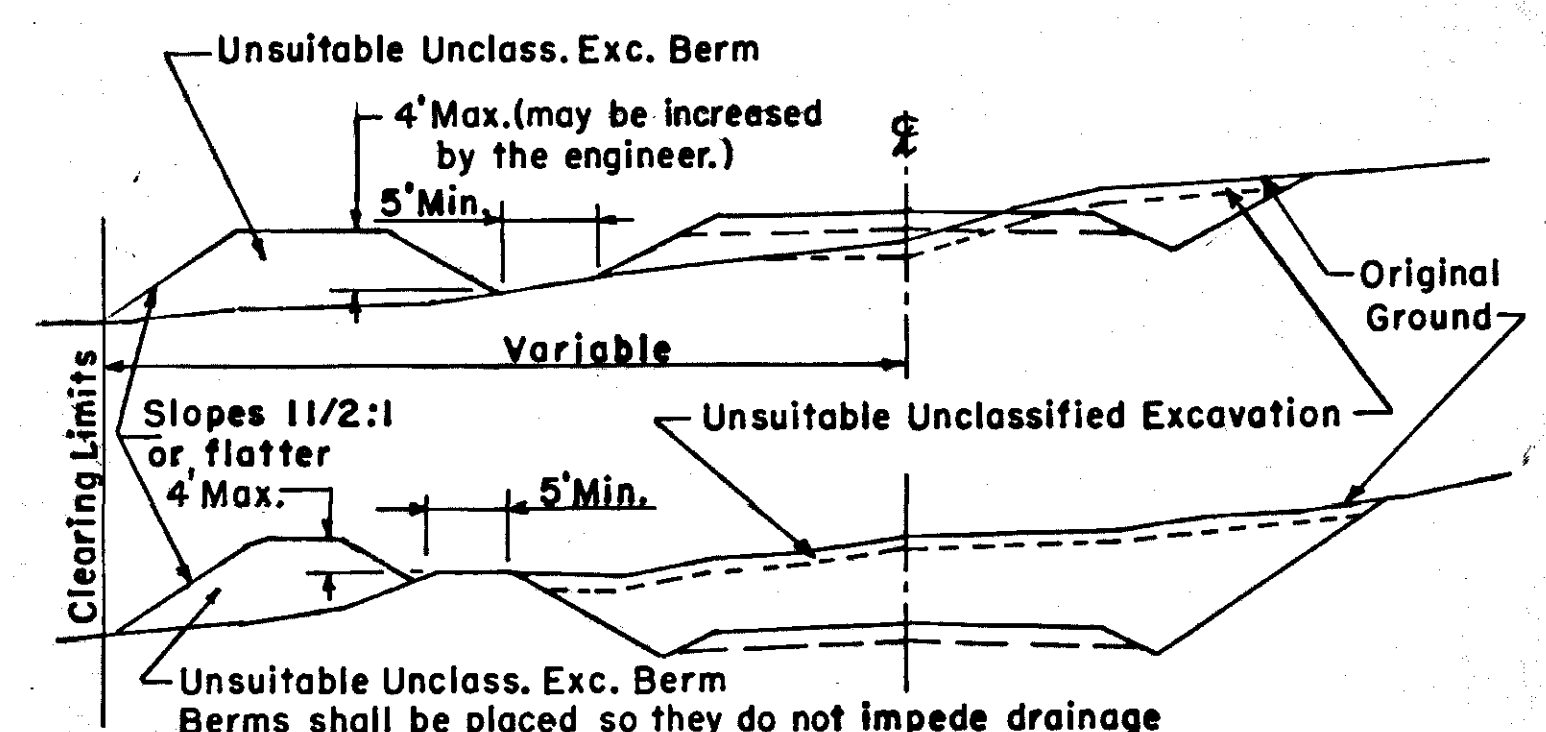


SIDEHILL INLET DETAIL

STANDARD APPROACH



To be constructed Right Sta. 391+00 & Left Sta. 394+00.



TYPICAL SECTIONS SHOWING DISPOSAL OF UNSUITABLE UNCLASSIFIED EXCAVATION LT. OF STA. 376+80 to 381+15 & RT. OF STA. 391+50 to 396+00

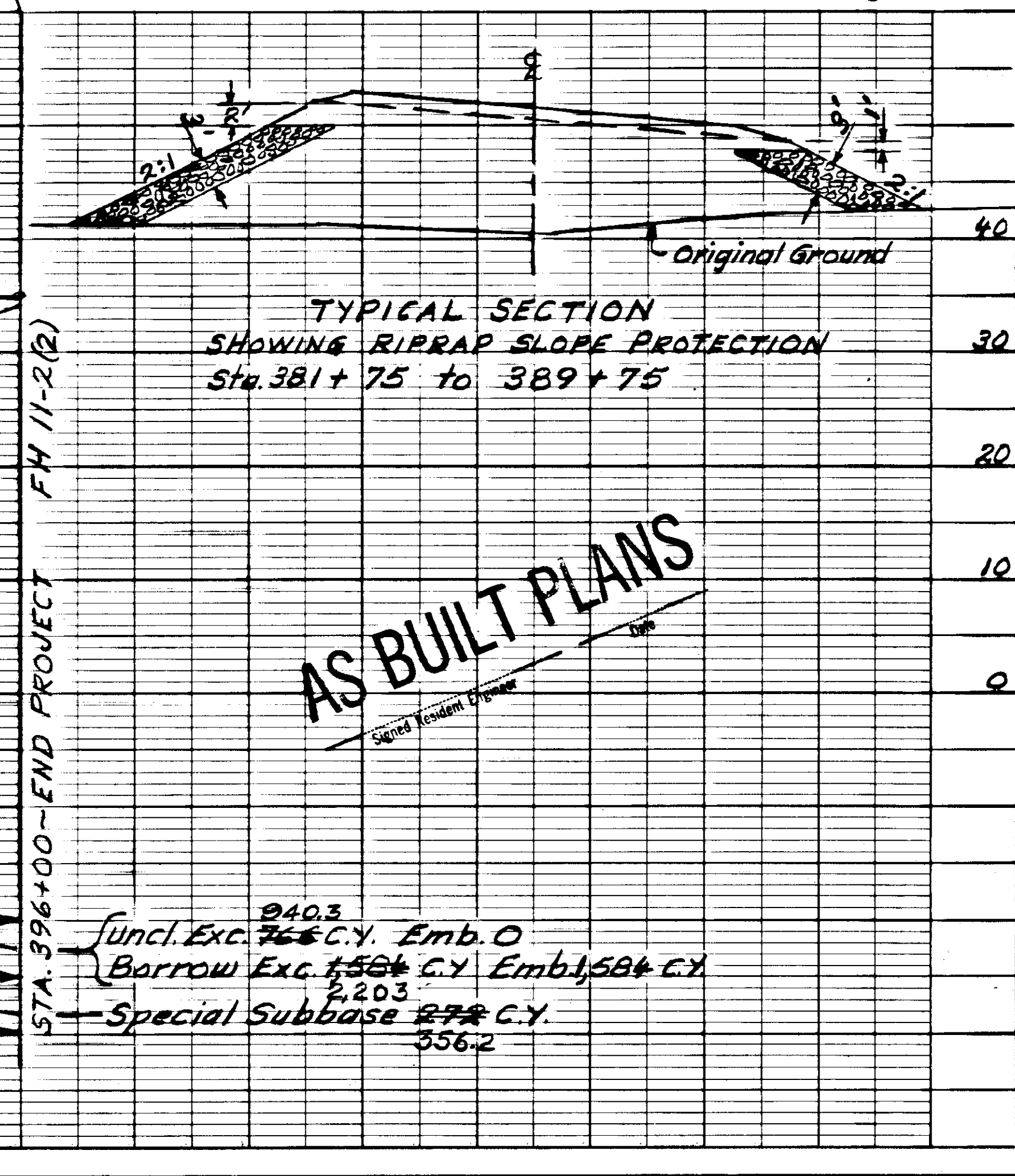
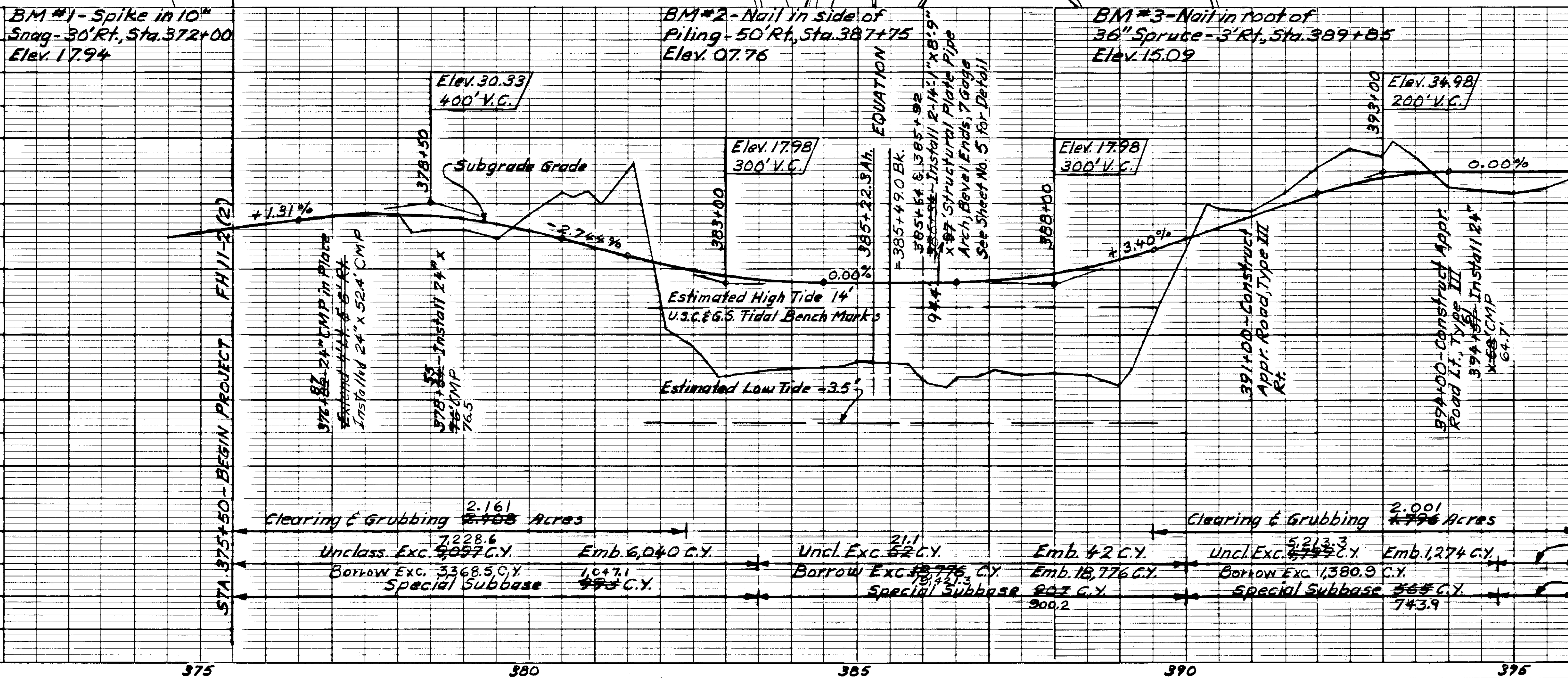
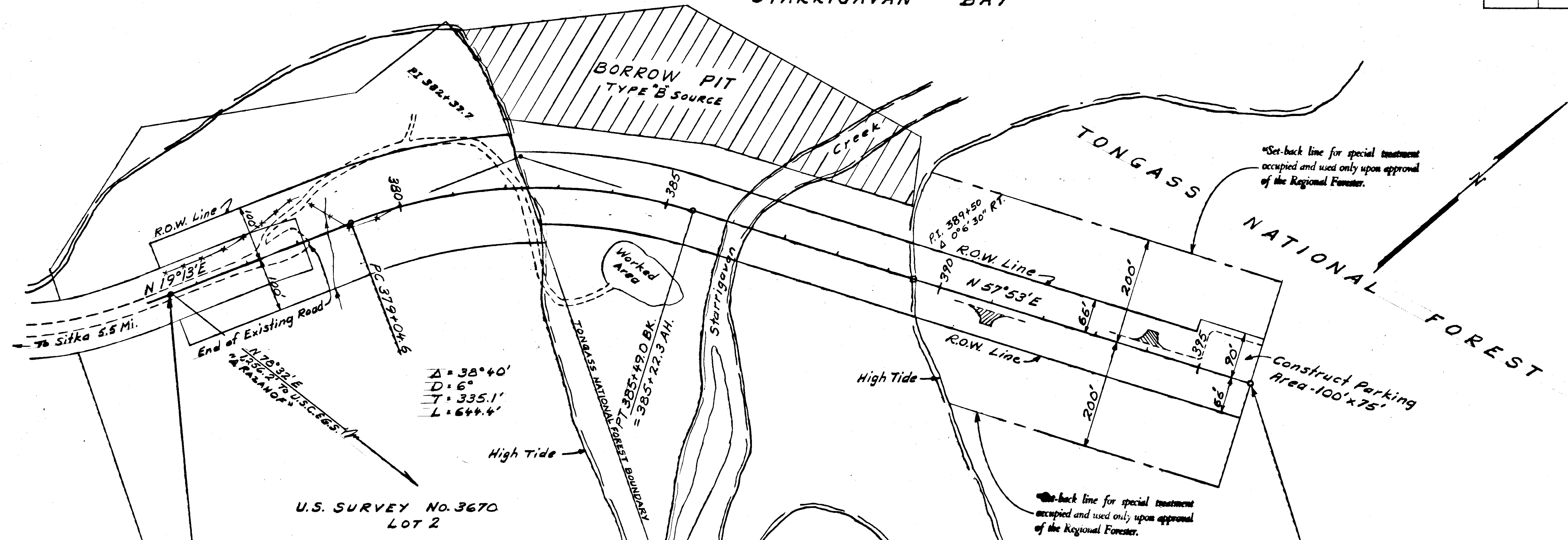
AS BUILT PLANS
Signed Resident Engineer
Date

STARRIGAVAN BAY

STATE	ROUTE	SECTION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	11	2	1963	3	8

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

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



AS BUILT PLANS

of Sta. 391.2 to 396.0
YAB no. 10101012
"21102A"

Clearing & Grubbing 2.161 Acres	Uncl. Exc. 7228.6 C.Y.	Emb. 6,040 C.Y.	Uncl. Exc. 21.1 C.Y.	Emb. 4.2 C.Y.	Clearing & Grubbing 2.001 Acres	Uncl. Exc. 5213.3 C.Y.	Emb. 1,274 C.Y.
	Borrow Exc. 3368.5 C.Y.	1047.1 C.Y.	Borrow Exc. 18,776 C.Y.	18,776 C.Y.		Borrow Exc. 1380.9 C.Y.	2,203 C.Y.
	Special Subbase 743.9 C.Y.	743.9 C.Y.	Special Subbase 743.9 C.Y.	743.9 C.Y.		Special Subbase 743.9 C.Y.	743.9 C.Y.