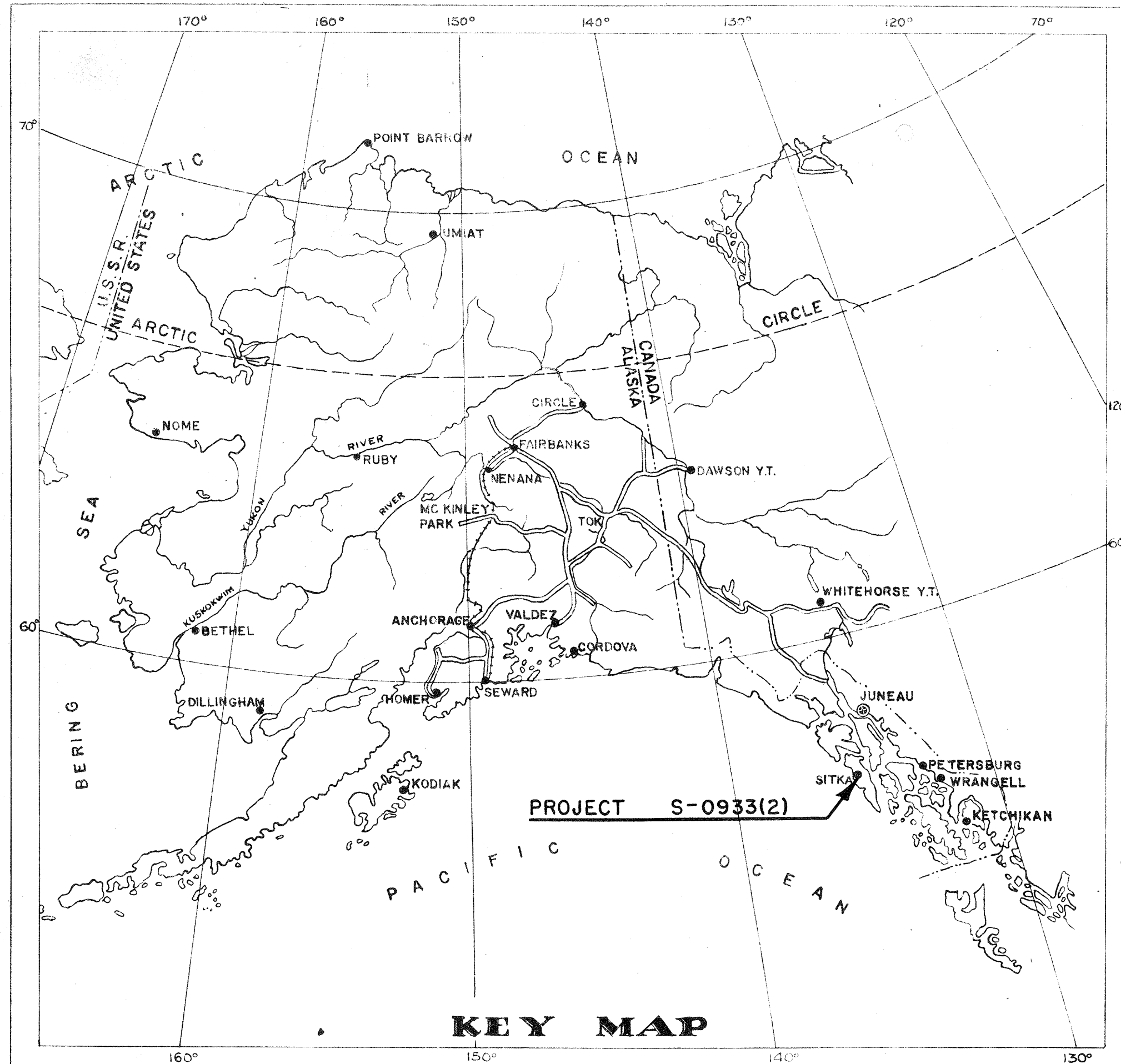




U.S. DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS
REGION 10

**PLAN AND PROFILE
PROPOSED HIGHWAY PROJECT
NO. S-0933(2)
CITY THRU ROUTE
SITKA, ALASKA**

GRADING, DRAINAGE AND PAVING

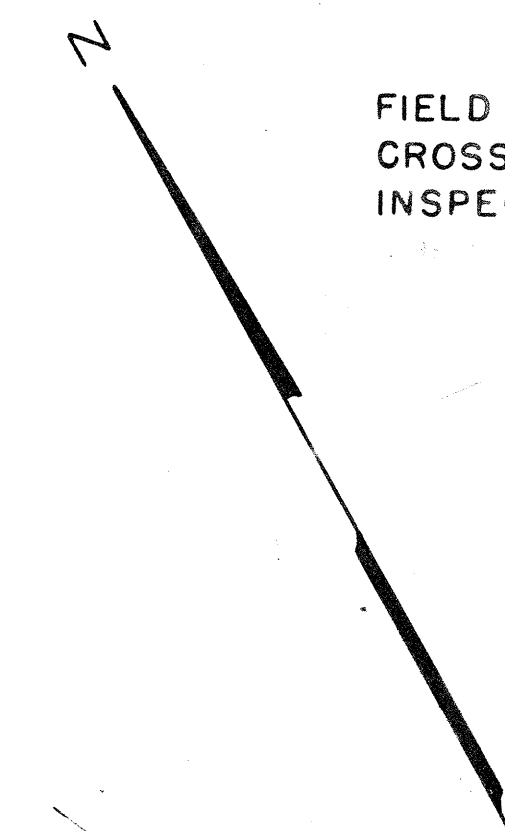
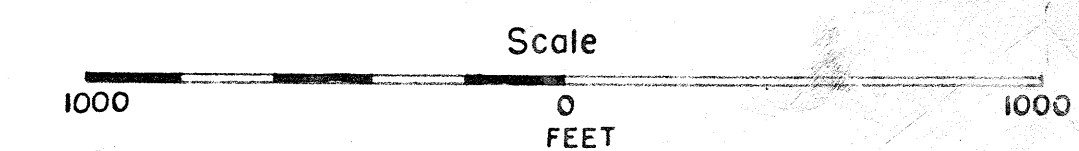
STATE	ROUTE	SECTION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	933		1959	1	26

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	TYPICAL SEC. & ESTIMATE QUANTITIES
3-7	LIST OF CULVERTS & MISC. WORK
8-10	BORROW PIT PLAT
11-17	PLAN & PROFILE SHEETS
18	MANHOLE & CURB DETAILS
19	CATCH BASIN & MISC. DETAILS
20	TR. TIMBER BULKHEAD & MISC. DETAILS
21	STANDARD CULVERTS R-10-S-4
22	STANDARD SIGNS R-10-S-2
23	STANDARD BARRICADES R-10-S-1
24	STD. IDENTIFICATION SIGN R-10-S-6
25	STD. BEAM GUARD RAIL R-10-S-5
26	STD. APPROACHES R-10-S-3

TYPE 6201 IMPROVEMENT

FIELD REPORTS OF THE FOUNDATION SOILS AND THE DETAILED CROSS SECTIONS FOR THIS PROJECT ARE AVAILABLE FOR INSPECTION IN THE B.P.R. DIVISION OFFICE AT JUNEAU



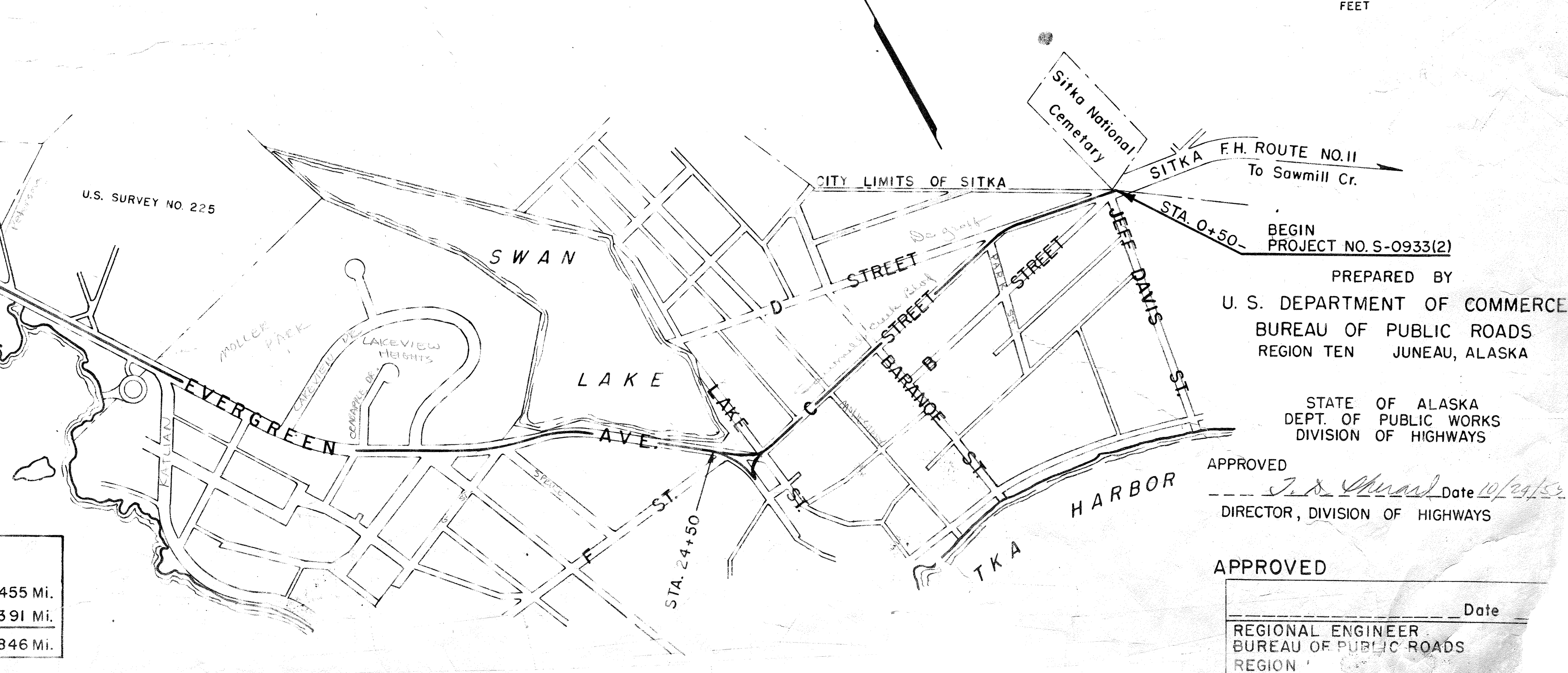
CONVENTIONAL SIGNS

WATER MAINS	—○—
MANHOLE (EXISTING)	○
STORM DRAIN	—○—
CATCH BASIN	○
SERVICE LINE (WATER)	—○—
SERVICE LINE (SEWER)	—●—
MANHOLE (PROPOSED)	⊙
FIRE HYDRANT	⊙
TOWNSHIP LINE	—+—
SECTION LINE	—+—
RESERVATION LINE	—+—
CULVERT	—X—
POWER POLE	●
TELEGRAPH POLE	●
'P' LINE	—P—
LINE TO BE CONSTRUCTED	—+—
MILE POST	—MP—
RIGHT OF WAY LINE	—R—
TRAVELED WAY	—T—
SERVICE LINE (POWER TANS.)	—S—

61

PROJECT SUMMARY

Width of Roadway	34' and 40'		
Length of Grading	9748.07 Ft.	1.846 Mi.	
Length of Paving - 40' Width		2402.06 Ft.	0.455 Mi.
Length of Paving - 24' Width		7346.01 Ft.	1.391 Mi.
Total Length of Project	9748.07 Ft.	9748.07 Ft.	1.846 Mi. 1.846 Mi.



PREPARED BY
U. S. DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS
REGION TEN JUNEAU, ALASKA

STATE OF ALASKA
DEPT. OF PUBLIC WORKS
DIVISION OF HIGHWAYS

APPROVED
J. A. Howard Date *10/2/59*
DIRECTOR, DIVISION OF HIGHWAYS

APPROVED

REGIONAL ENGINEER
BUREAU OF PUBLIC ROADS
REGION 10

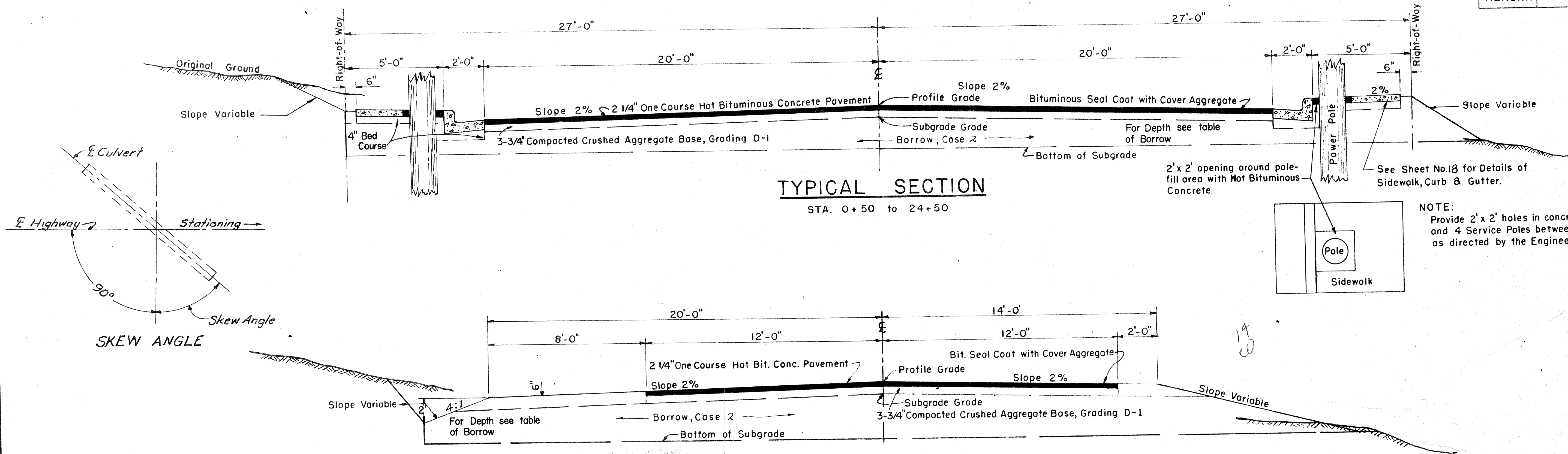


TABLE OF BORROW

STATION - STATION		DEPTH
0 + 90	8 + 00	42"
8 + 00	14 + 00	24"
14 + 00	22 + 10	42"
22 + 10	42 + 00	24"
42 + 00	43 + 25	42"
43 + 25	47 + 25	24"
47 + 25	51 + 40	42"
51 + 40	51 + 60	30"
51 + 60	97 + 92.7	24"

Above depths may be varied as directed by the Engineer.

NOTE:
Depth of ditch may be varied to facilitate drainage as directed by the engineer.
Superelevate from shoulder as staked by the engineer.

TYPICAL SECTION

STA. 24+50 to 97+92.75

NOTE:
When necessary to expedite traffic during grading, base course construction or surfacing, the roadway shall be constructed part width at a time as directed by the Engineer.

ESTIMATED QUANTITIES

ITEM	QUANTITY	UNIT	DESCRIPTION
10	All req'd	Lump sum	Extra and Miscellaneous Force Account Work as authorized in Article 9.4
100(3)	All req'd	Lump sum	Clearing and grubbing
102(1)	25,000	Cu.Yd.	Unclassified excavation
102(5)	65,000	Cu.Yd.	Borrow excavation, Case 2
103(1)	1,410	Cu.Yd.	Excavation for structures
200(4)	10,500	Ton	Crushed aggregate base, grading D-1
313(4)	330	Ton	Cover aggregate, grading C, type 3 seal coat
313(6)	37	Ton	Asphalt, grading RC-5, seal coat
322(1)	4,245	Ton	Hot bituminous concrete pavement
322(3)	280	Ton	Asphalt cement, 150-200 penetration
406(1)	13.8	Cu.Yd.	Class A concrete
430(3)	All req'd	Lump sum	Treated timber bulkhead
453(4A)	286	Lin. Ft.	8" Asbestos bonded corrugated metal pipe

ITEM	QUANTITY	UNIT	DESCRIPTION
453(4C)	1,980	Lin. Ft.	12" Asbestos bonded corrugated metal pipe
453(4E)	940	Lin. Ft.	18" " " " " " "
453(4G)	622	Lin. Ft.	24" " " " " " "
453(4H)	60	Lin. Ft.	30" " " " " " "
455(4C)	82	Lin. Ft.	72" Bituminous coated structural plate pipe
454(4J)	294	Lin. Ft.	72" x 44" Asbestos Bonded Corr. Metal Pipe Arch Culvert
457(1)	1,155	Lin. Ft.	Removal and disposal of existing culvert pipe
471(1)	All req'd	Lump sum	Removal and disposal of existing structures
513(1)	7	Each	Relocating fire hydrants
521(1A)	8	Each	Manholes -asbestos bonded corrugated metal
521(3A)	12	Each	Catch basin -asbestos bonded corrugated metal
521(7)	6	Each	Adjusting manholes
524(3)	4,162	Lin.Ft.	Concrete curb and gutter, 6" depth
530(1A)	2,000	Sq.Yd.	Concrete sidewalk 4" depth
530(1B)	80	Sq. Yd.	Concrete sidewalk 6" depth
561(1)	20	Each	Monument cases
583(1)	145	Lin. Ft.	Beam type guardrail

LIST OF CULVERTS & MISCELLANEOUS WORK

STATE	ROUTE	SECTION	SHEET NO.	TOTAL SHEETS
ALASKA	982		3	26

STATION	TYPE		ASBESTOS BONDED CORR. S.M. CULVERT PIPE								72" Bit. Coated Struct. Plate Pipe Culvert Lin. ft.	72" x 40" Arch. Bonded (Ice Arch Culvert Lin. ft.											Class A Concrete Remove & Disp. Dist Culv. Pipe Lin. ft.	Relocation of Fire Hydrants Each	Asbestos Bonded Corr. Metal Manholes		Adjusting Manholes Each					STRUCTURE EXCAV.	APPROACH ROADS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
	ITEM NO	SIZE	8"	12"	16"	24"	30"						513(1) Each	521(14) Each	521(3A) Each																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
			453(4A) Lin. ft.	453(4C) Lin. ft.	453(4E) Lin. ft.	453(4G) Lin. ft.	453(4H) Lin. ft.	455(4C) Lin. ft.	454(4B) Lin. ft.	100(1) Cu. Yd.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
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LIST OF CULVERTS & MISCELLANEOUS WORK

STATE
ALASKA

ROUTE
933

SECTION

SHEET NO.	TOTAL SHEET
4	26

[illegible]

[illegible]

**TOTAL
SHEETS**

26

LIST OF CULVERTS & MISCELLANEOUS WORK

STATE

ROUTE

SECTION

SHEET NO.

**TOTAL
SHEETS**

ALASKA

6

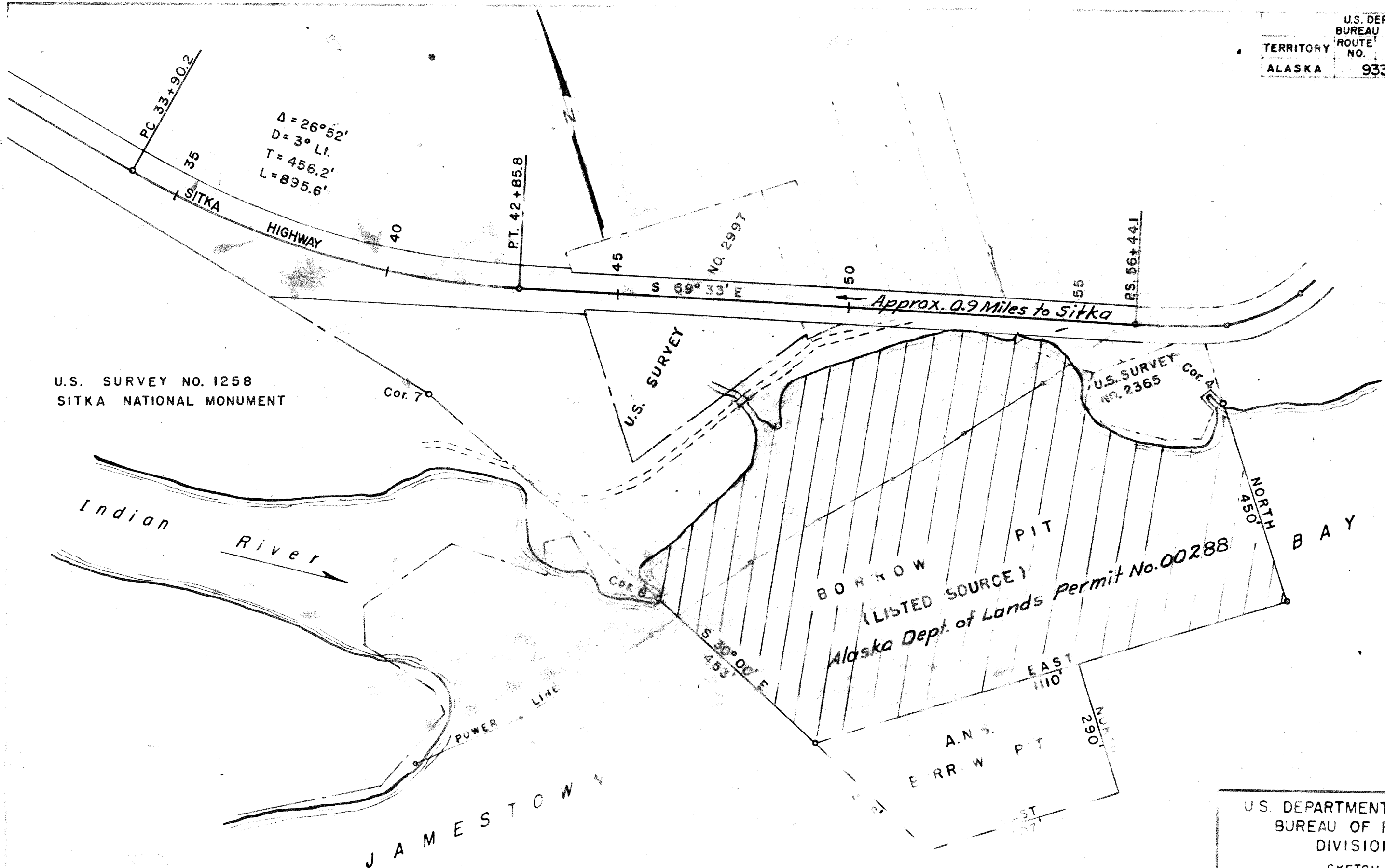
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[illegible]

LIST OF CULVERTS & MISCELLANEOUS WORK

STATE	ROUTE	SECTION	SHEET NO.	TOTAL SHEETS
ALASKA	933		7	26

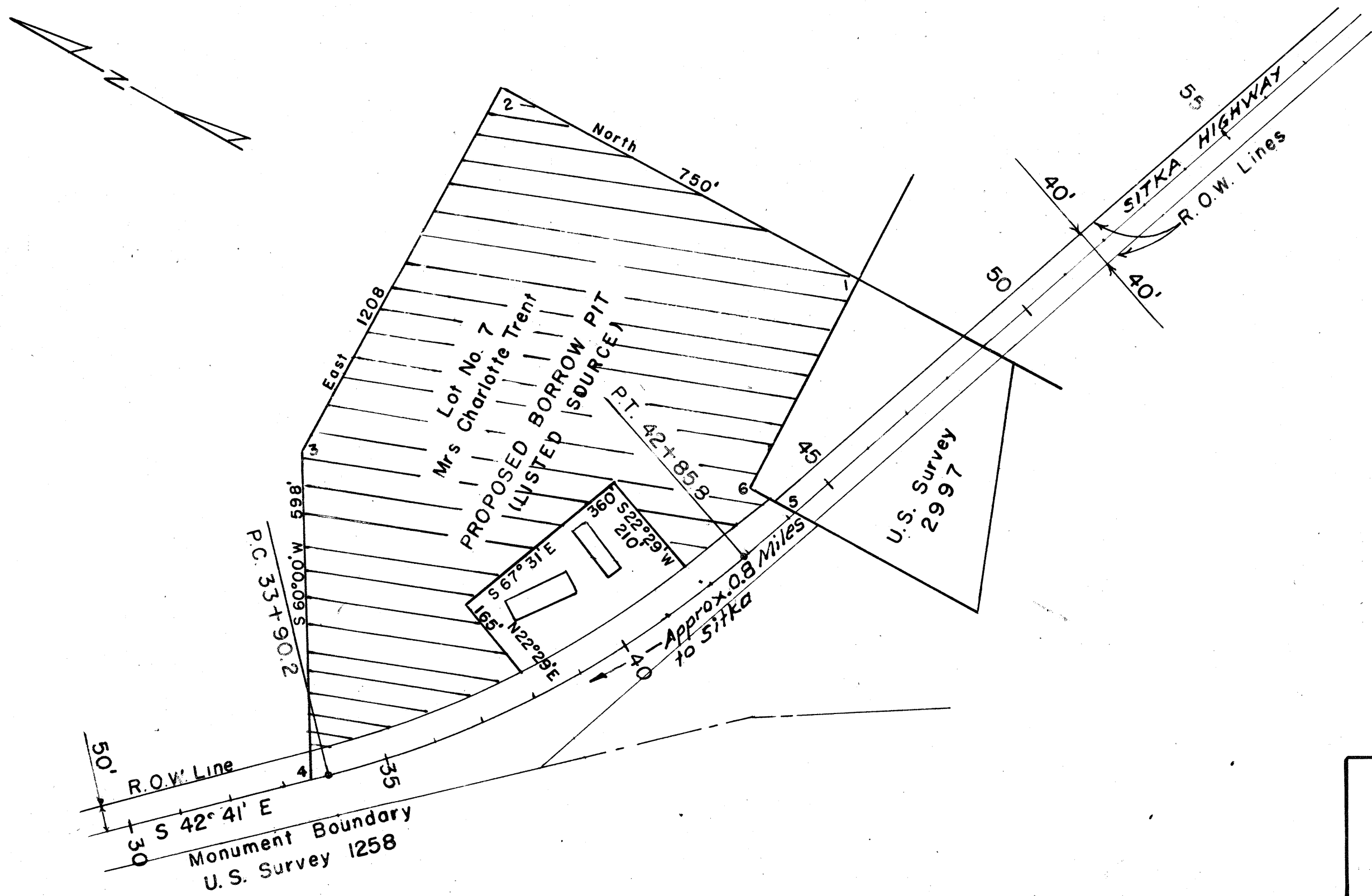
STATION	TYPE		ASBESTOS BONDED CORR. S.M. CULVERT PIPE							72" Bit. Coated Struct. Plate Pipe Culvert	72" x 44" Asb. Bonded Pipe Arch Culvert	Clearing & Grubbing	Unclass. Excavation	Waste	Borrow Case 2		Class A Concrete Remove & Disp. Exist. Culv. p			Asbestos Bonded				Adjusting Manholes			STRUCTURE EXCAV.	APPROACH ROADS														
	ITEM NO.	SIZE	8"	12"	18"	24"	30"	72" Bit. Coated Struct. Plate Pipe Culvert	72" x 44" Asb. Bonded Pipe Arch Culvert											Clearing & Grubbing	Unclass. Excavation	Waste	Borrow Case 2							Class A Concrete Remove & Disp. Exist. Culv. p			Relocation of Fire Hydrants	Corr. Metal Manholes	Corr. Metal Catch Basin							
			453(4A) Lin. Ft.	453(4C) Lin. Ft.	453(4E) Lin. Ft.	453(4G) Lin. Ft.	453(4H) Lin. Ft.																																			
96 + 75																			1							6																
96 + 88						60												80								36																
97 + 50			24																							3	Rt.															
Sheet No. 11											0	0	4,686	7,669																												
" " 12											0	45	5,438	12,512																												
" " 13											0.847	1,414	0	12,221																												
" " 14											1.828	751	3,732	7,920																												
" " 15											1.815	760	1,320	2,118																												
" " 16											1.429	1,065	1,158	8,432																												
" " 17											1.332	149	991	3,842																												
TOTALS		286	1932	890	622	60			82	294	7.251	4,184	17,325	54,714			138	1155			7	8	12	—	—	6		1401														
CONTRACT QUANTITIES		286	1980	940	622	60			82	294	7.5		25,000	65,000			138	1155			7	8	12	—	—	6		1410														



AREA SHOWN THUS [hatched symbol] CONTAINING
8.80 ACRES MORE OR LESS.

U.S. DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS
DIVISION 10
SKETCH PLAT
SHOWING
GRAVEL PIT RESERVE
ALASKA HIGHWAY PROJECT 0933
SITKA, ALASKA
SCALE: 1" = 200'
Drawn By: W.L.K.
DATE: Sept. 1958
Checked By:

STATE	ROUTE	SECTION	SHEET NO.	TOTAL SHEETS
ALASKA	933		9	26

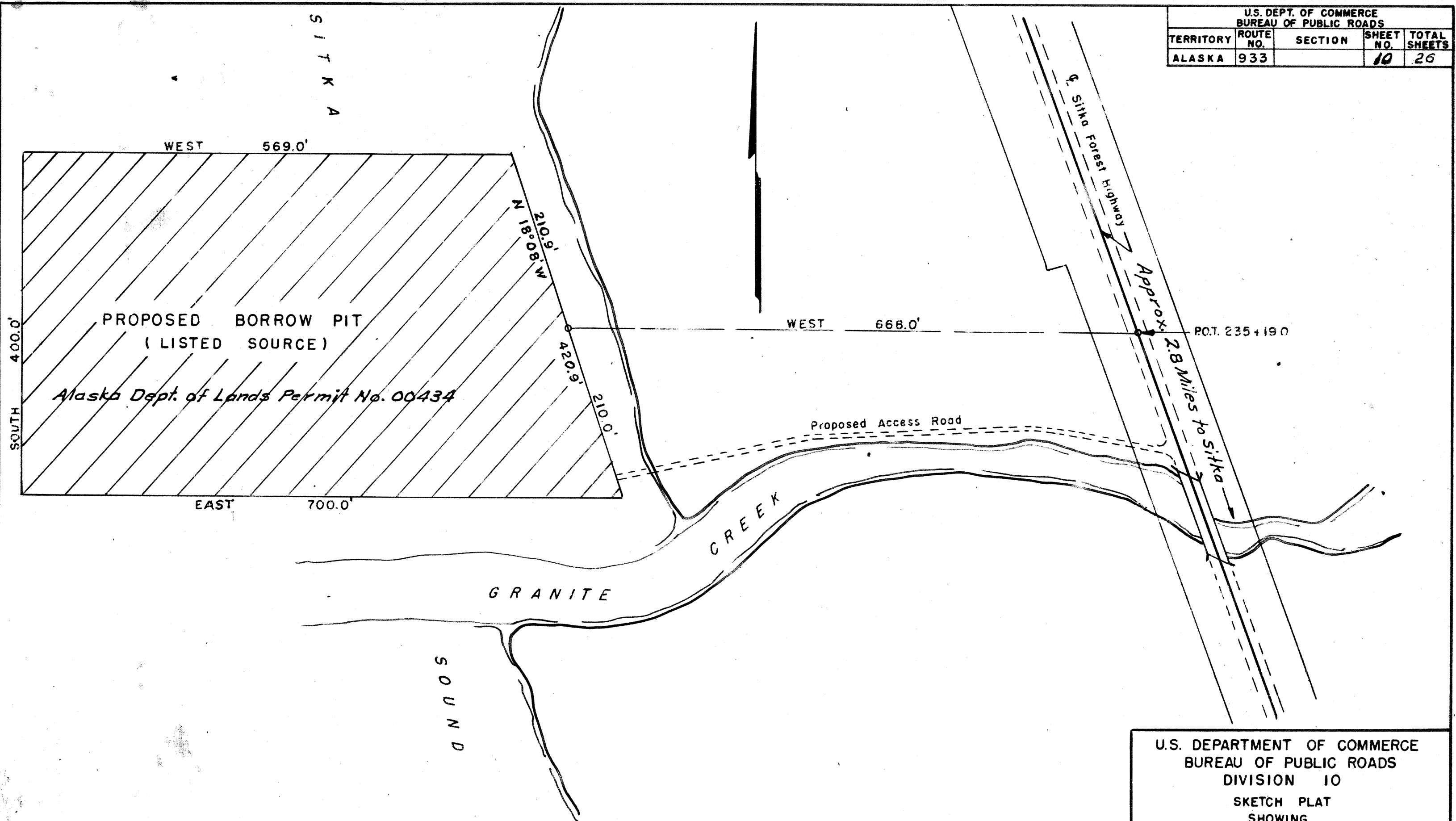


AREA SHOWN THUS  CONTAINING
15.7 ACRES MORE OR LESS.

U.S. DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS
DIVISION 10
SKETCH PLAT
SHOWING
GRAVEL PIT RESERVE
SITKA, ALASKA

SCALE: 1" = 200'
Drawn By: JK
DATE: 7/27/59
Checked By: _____

U.S. DEPT. OF COMMERCE BUREAU OF PUBLIC ROADS				
TERRITORY	ROUTE NO.	SECTION	SHEET NO.	TOTAL SHEETS
ALASKA	933		10	26



AREA SHOWN THUS  CONTAINING
5.93 ACRES MORE OR LESS.

U.S. DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS
DIVISION 10
SKETCH PLAT
SHOWING
GRAVEL PIT RESERVE
ALASKA FOREST HWY. PROJECT

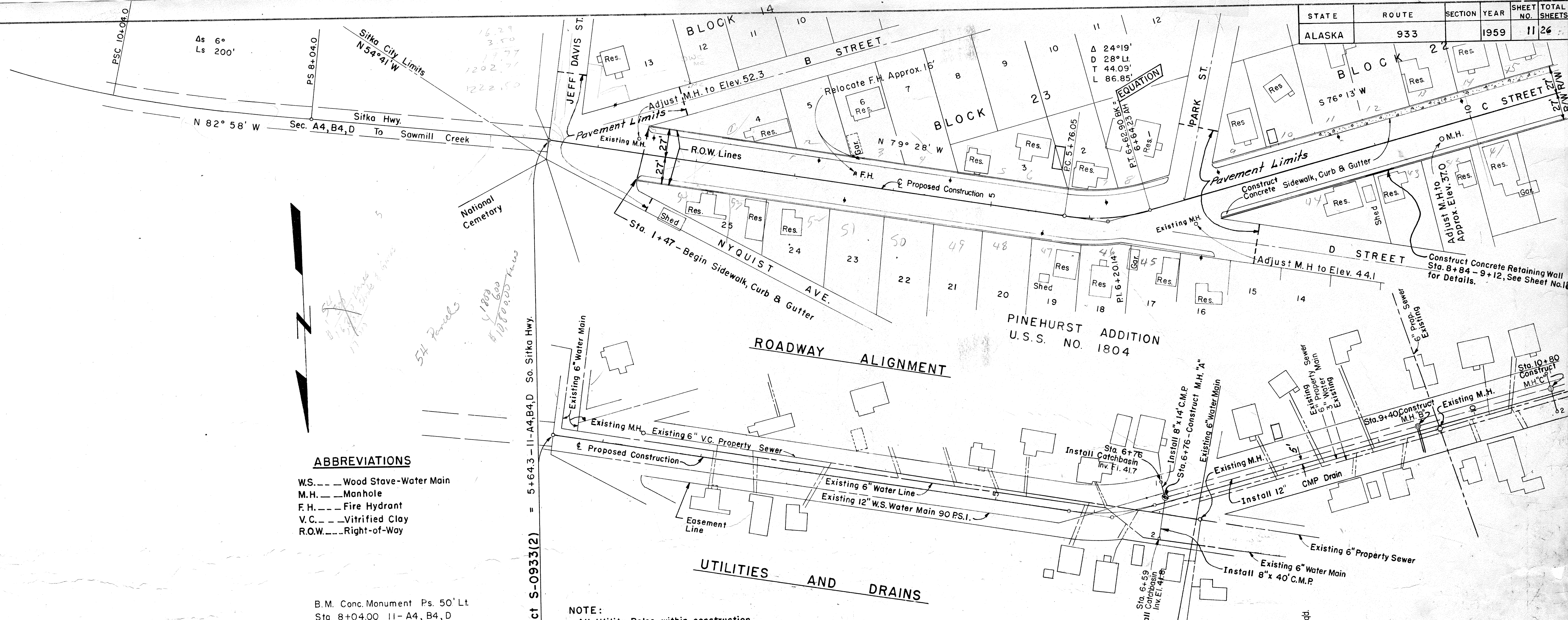
SCALE: 1" = 100'
Drawn By: W.L.K.

DATE: 7/14/58
Checked By: D.E.

STATE	ROUTE	SECTION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	933		1959	11 26	

PLAN	DATE	BY
SURVEYED		
PLANNED		
DESIGNED		
CHECKED		
NOTED		
STRUCTURE NOTATIONS CHD.		

PROFILE	DATE	BY
SURVEYED		
PLANNED		
DESIGNED		
CHECKED		
NOTED		
STRUCTURE NOTATIONS CHD.		



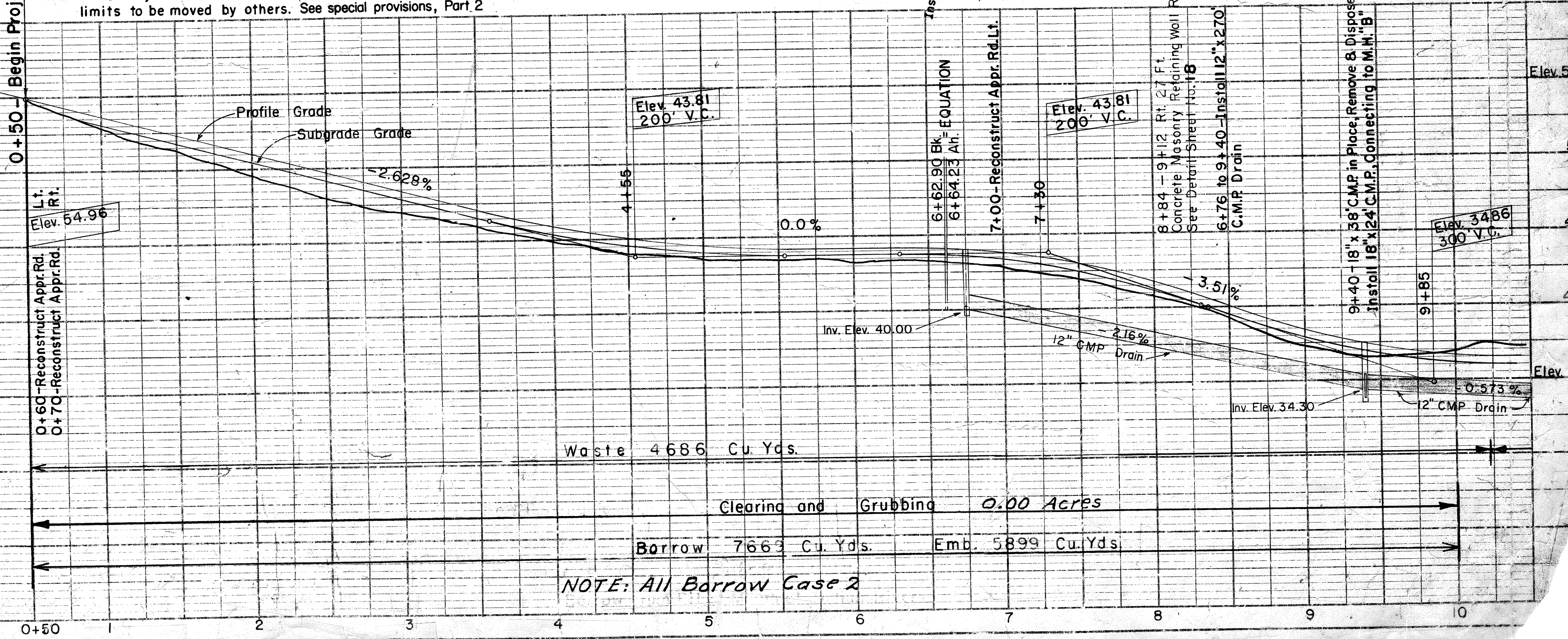
ABBREVIATIONS

- W.S. --- Wood Stave-Water Main
- M.H. --- Manhole
- F.H. --- Fire Hydrant
- V.C. --- Vitrified Clay
- R.O.W. --- Right-of-Way

B.M. Conc. Monument Ps. 50' Lt.
Sta. 8+04.00 11- A4, B4, D
Elev. 61.49

NOTE:
All Utility Poles within construction limits to be moved by others. See special provisions, Part 2

Variable Subgrade Grade
Borrow Case 2
Gravel on existing road shall be left in place as directed by the Engineer

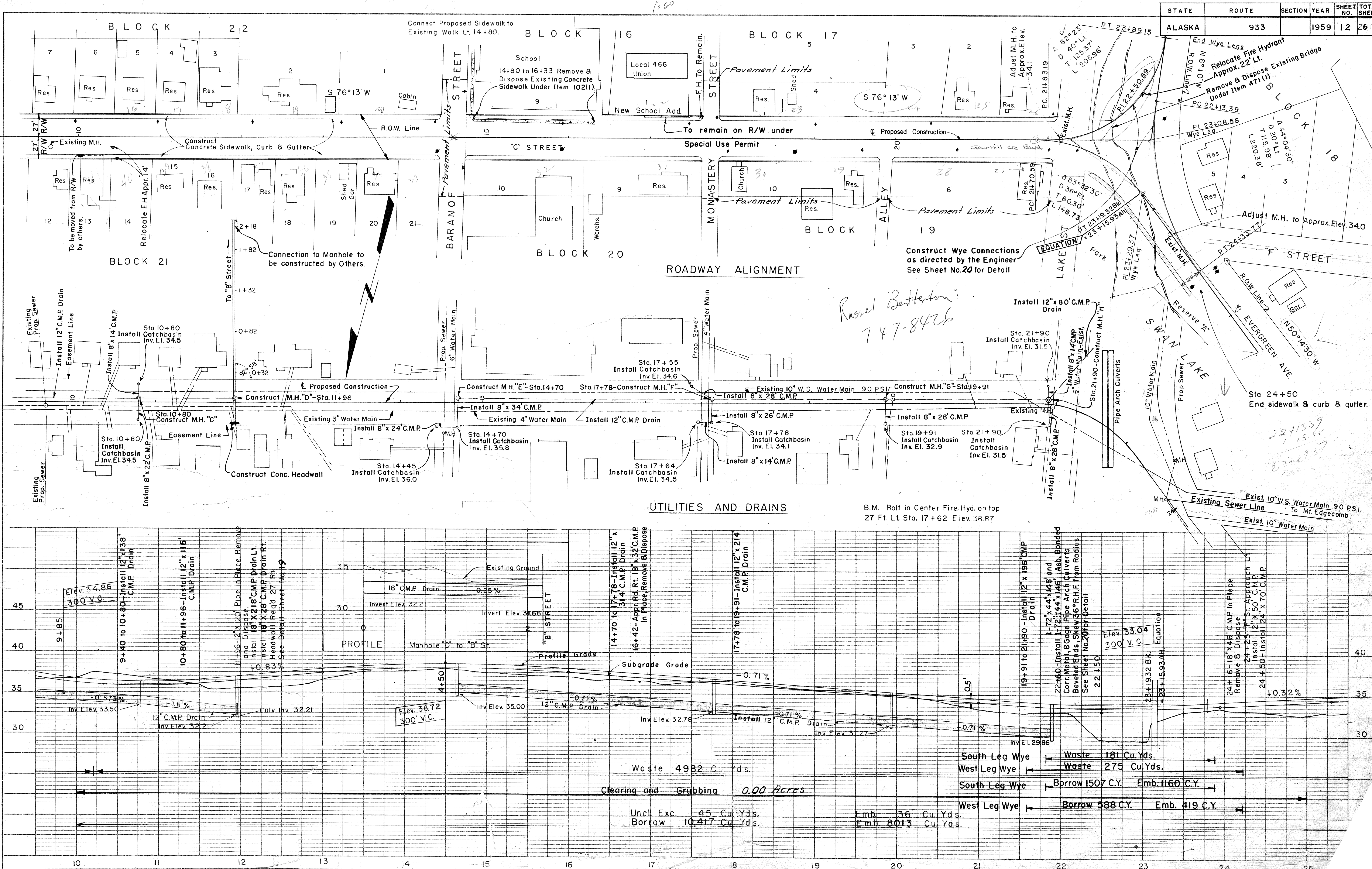


NOTE: All Borrow Case 2

STATE	ROUTE	SECTION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	933		1959	12	26

PLAN	DATE	BY	DATE
SURVEYED			
NOTED			
NO.			

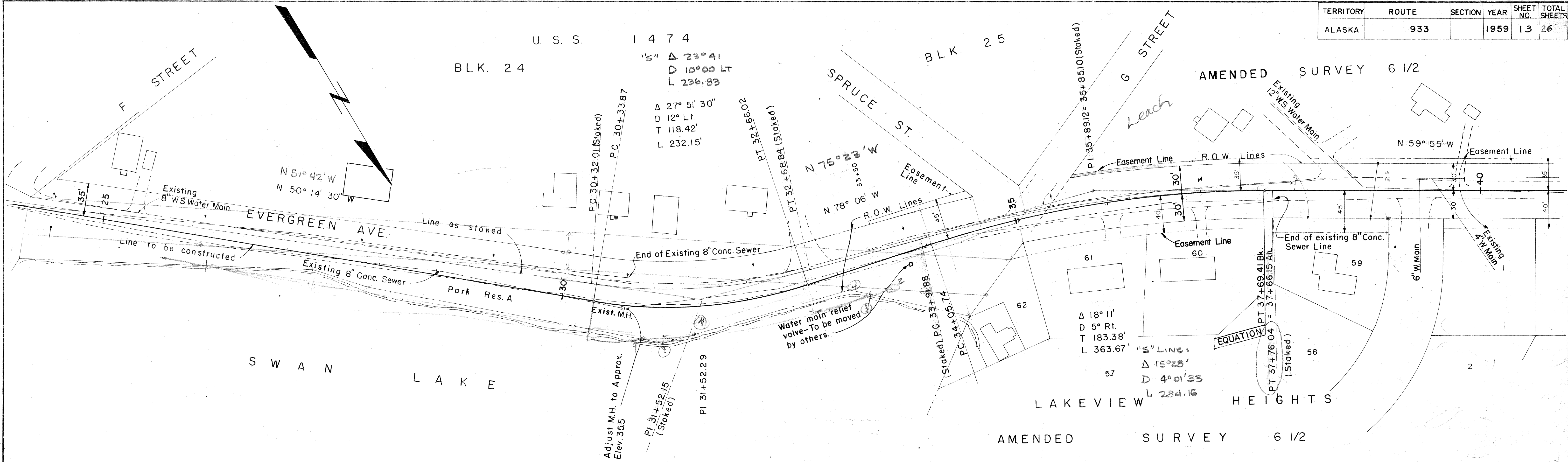
PROFILE	DATE	BY	DATE
SURVEYED			
NOTED			
NO.			



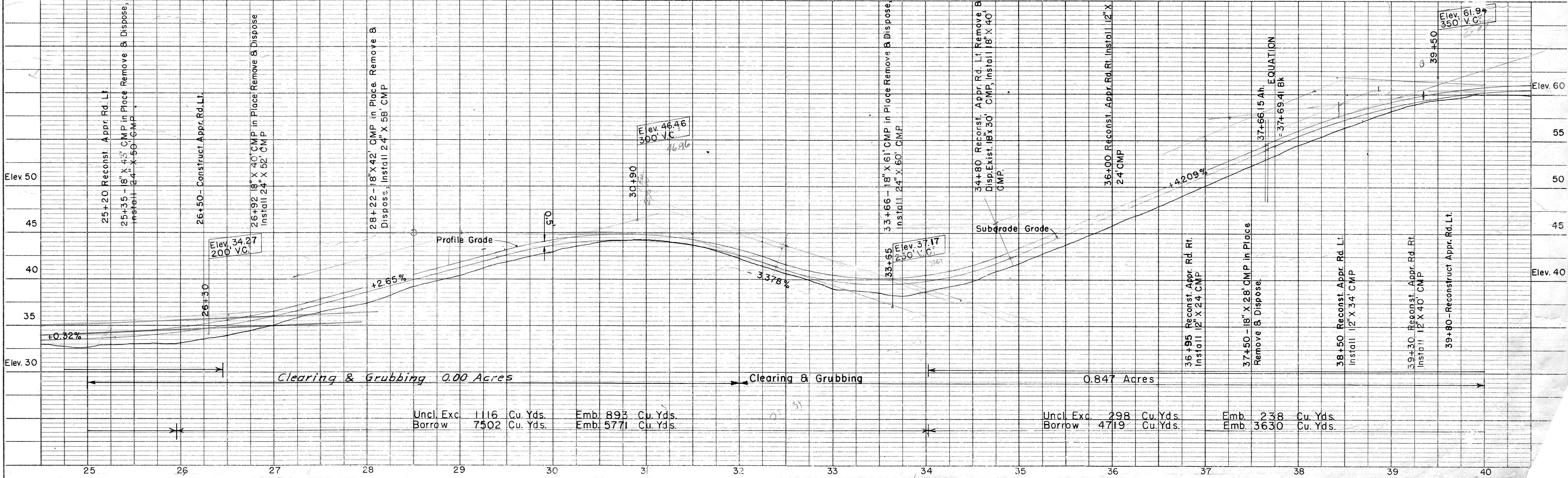
TERRITORY	ROUTE	SECTION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	933		1959	13	26

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

PROFILE	DATE	BY
SURVEYED NOTE BOOK NO.		
GRADES CHECKED STRUCTURE NOTATIONS CHKD.		



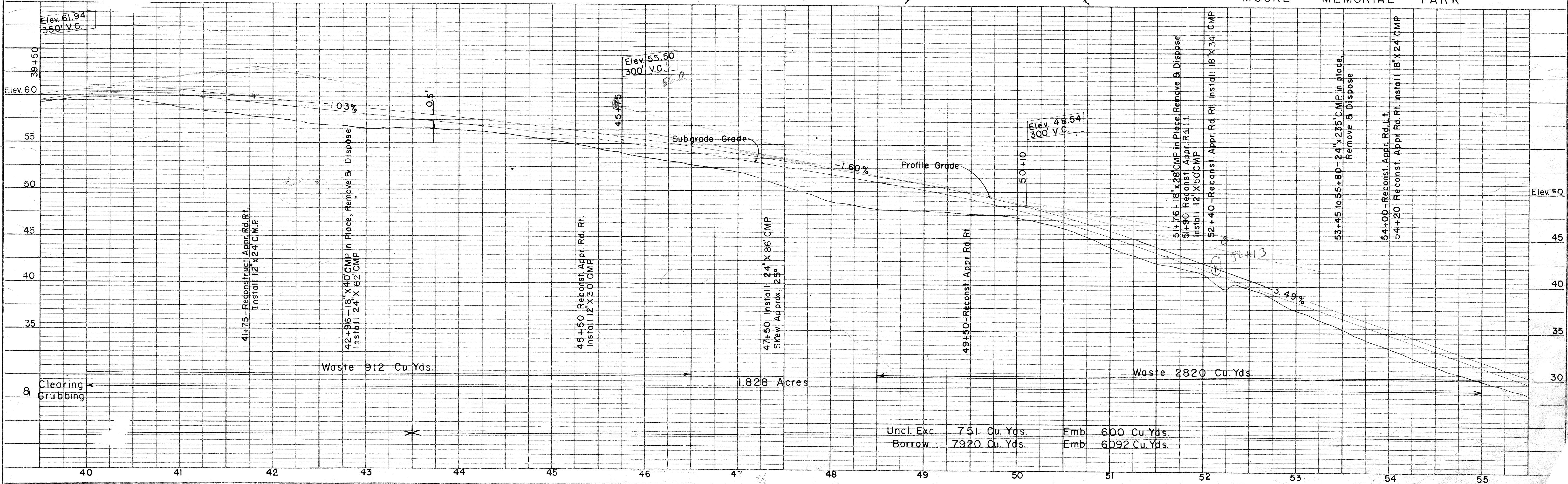
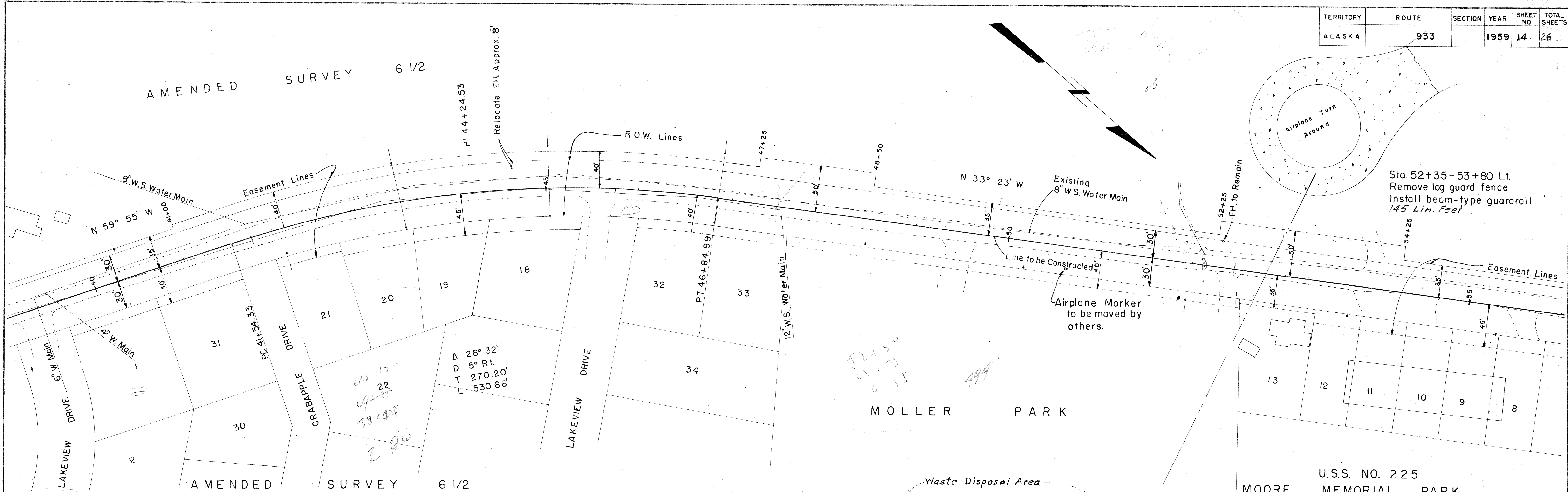
BM Highest point on 5'x5'x3' rock
18' Rt. sta. 38+45 Elev. 58.69



TERRITORY	ROUTE	SECTION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	933		1959	14	26

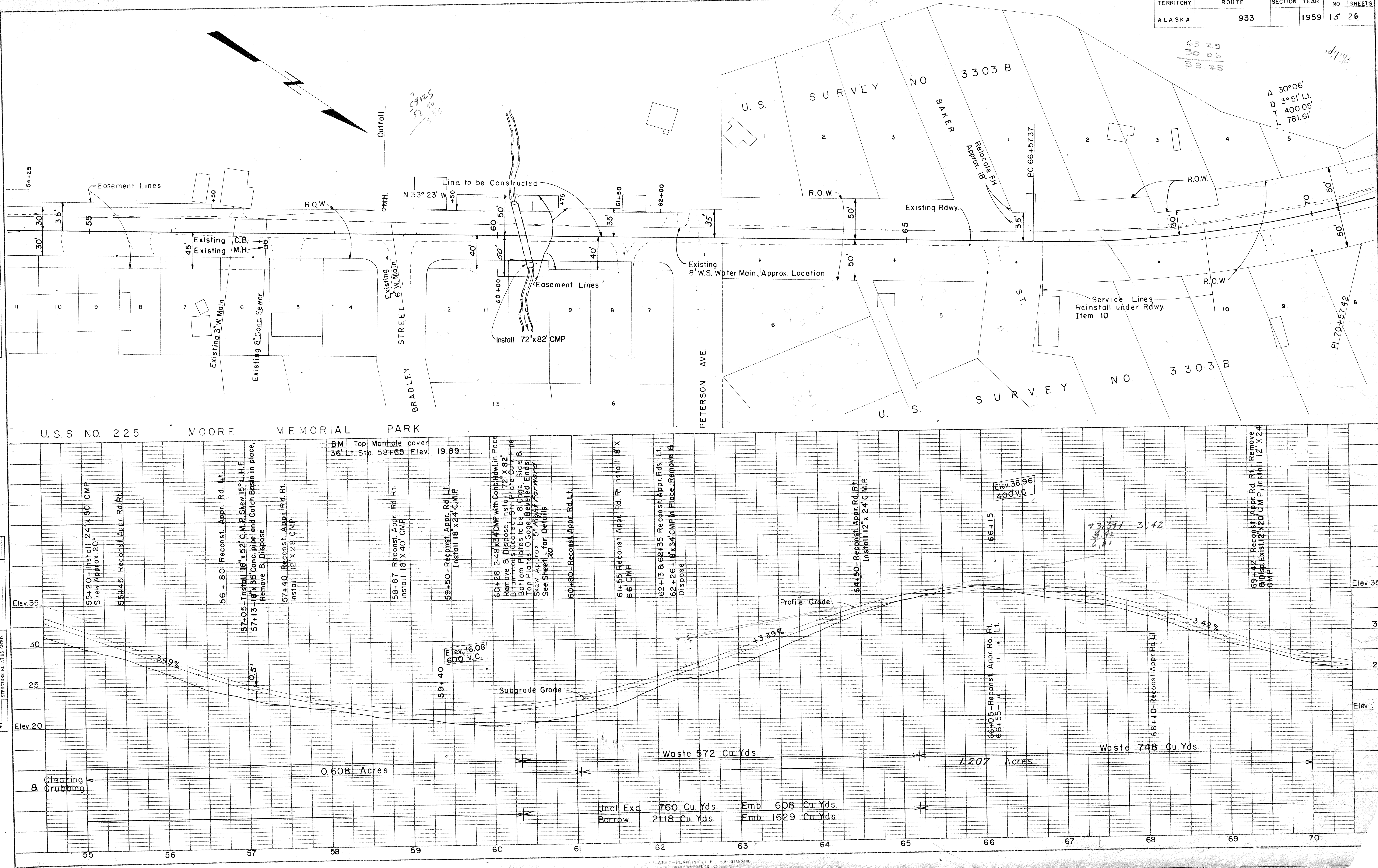
PLAN	DATE
SURVEYED NOTE BOOK NO.	BY DATE
ALIGNMENT CHECKED RT. OF WAY CHECKED Traced	

PROFILE	DATE
SURVEYED NOTE BOOK NO.	BY DATE
GRADES CHECKED B. M.'S NOTED STRUCTURE NOTING CHK'D.	



PLAN	SURVEYED	DATE
NO.	BY	
	PLOTTED	
	ALIGNMENT CHECKED	
	RT. OF WAY CHECKED	

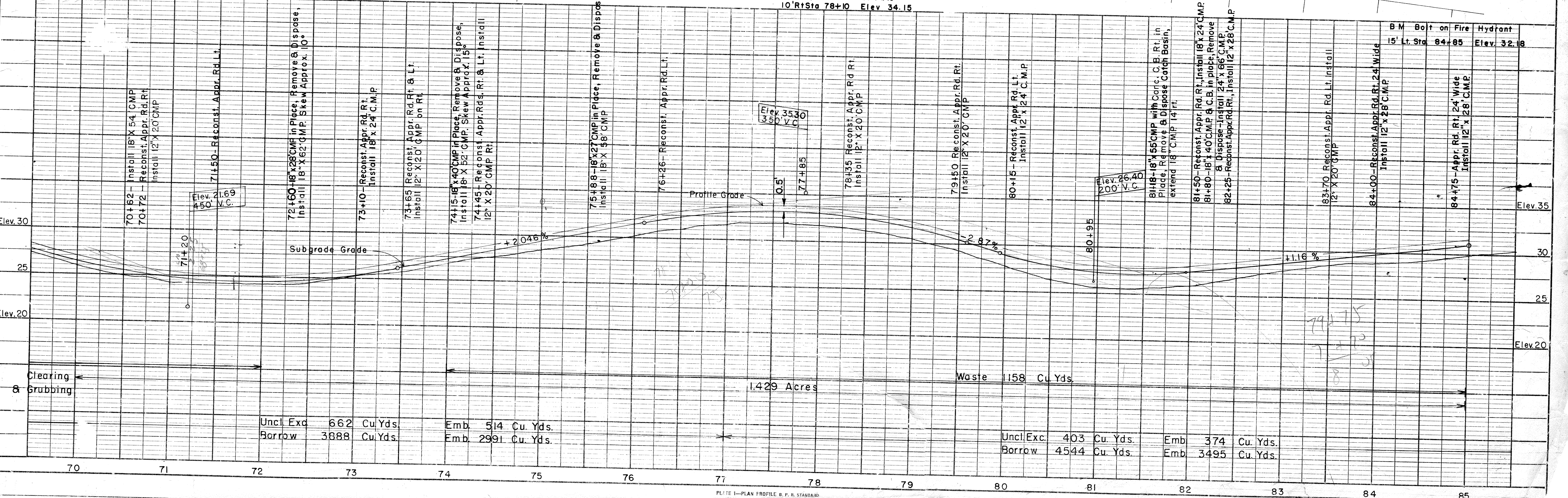
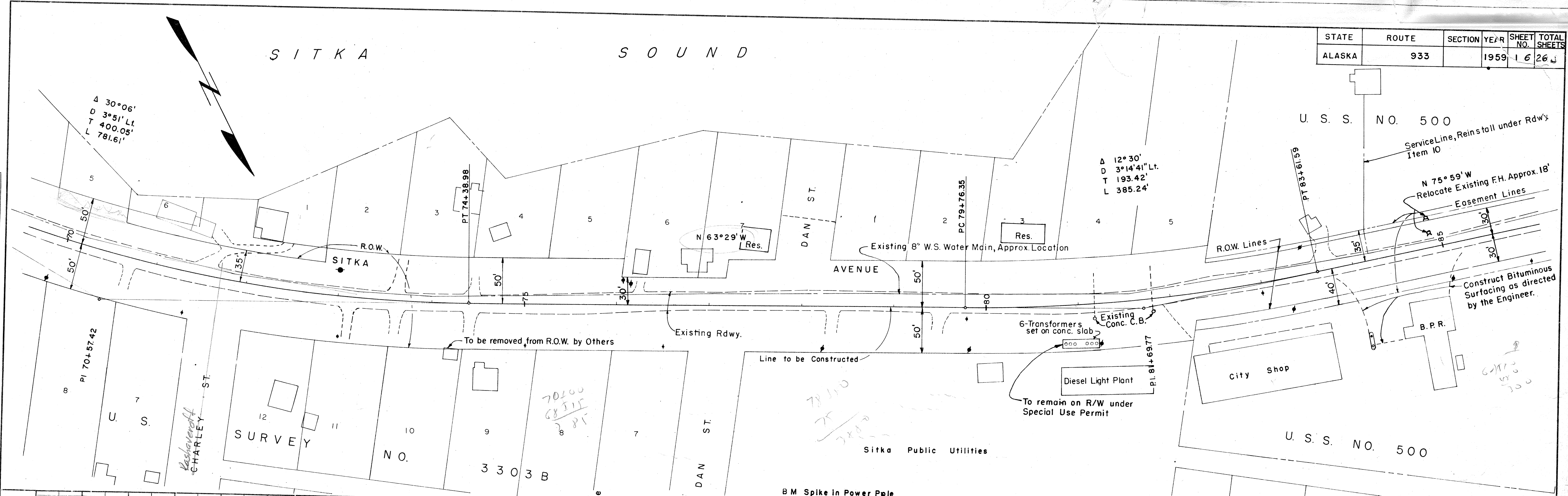
PROFILE	SURVEYED	DATE
NO.	BY	
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	



PLAN	DATE	BY
SURVEYED		
PLOTTED		
NOTE BOOK		
NO.		

PROFILE	DATE	BY
SURVEYED		
PLOTTED		
NOTE BOOK		
NO.		

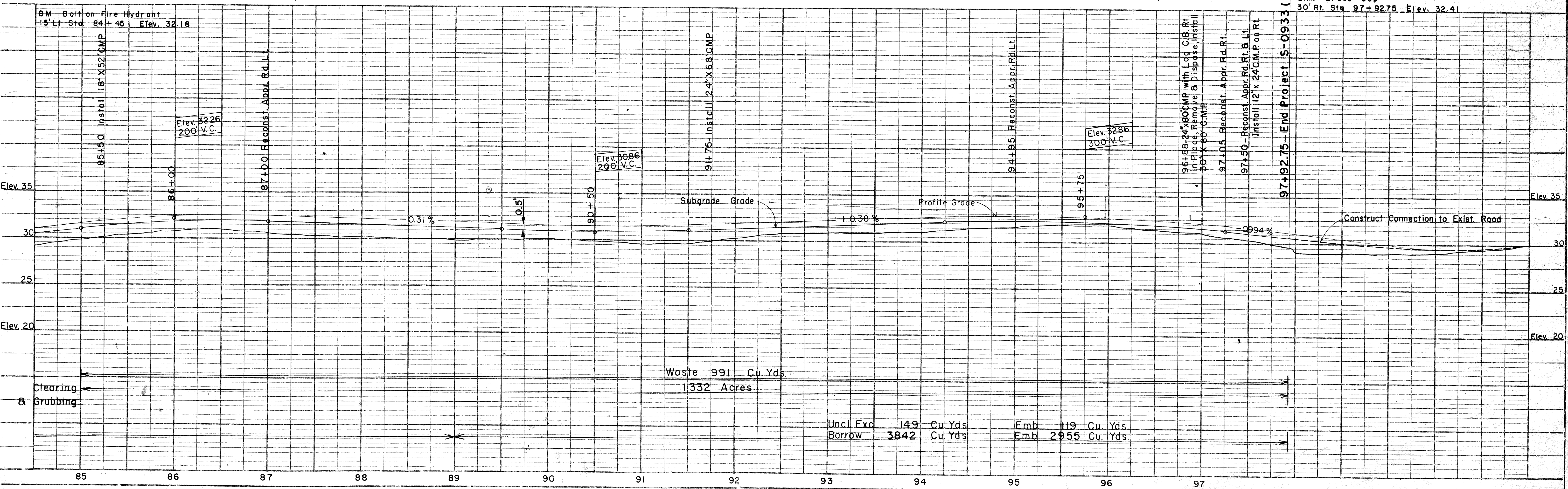
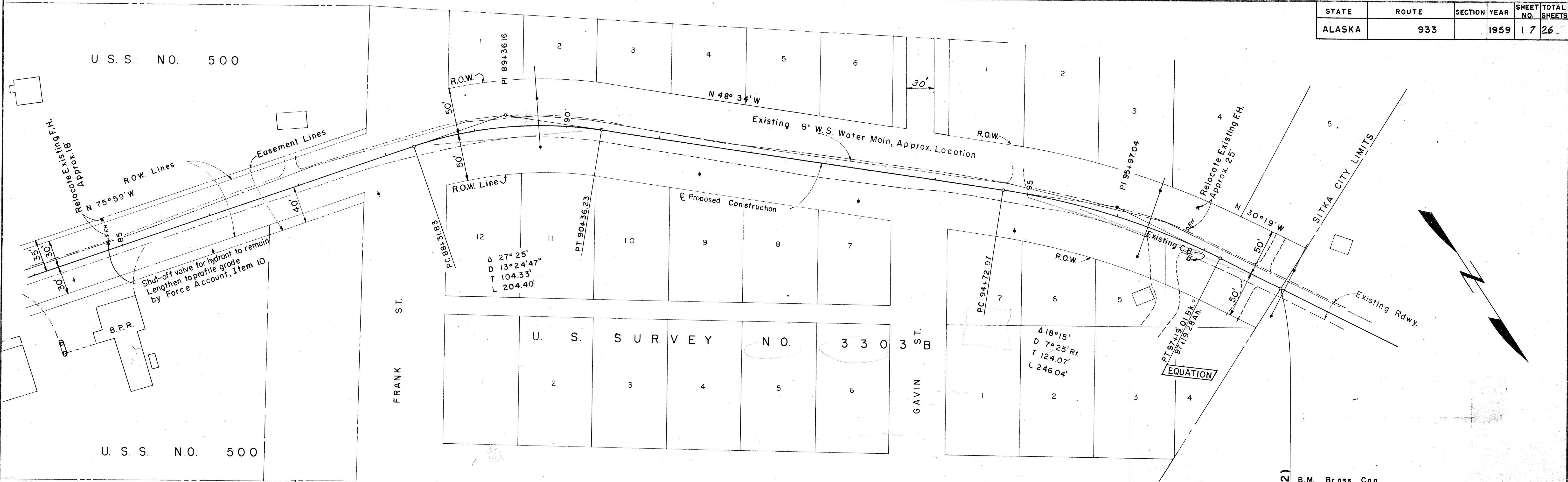
STATE	ROUTE	SECTION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	933		1959	16	26

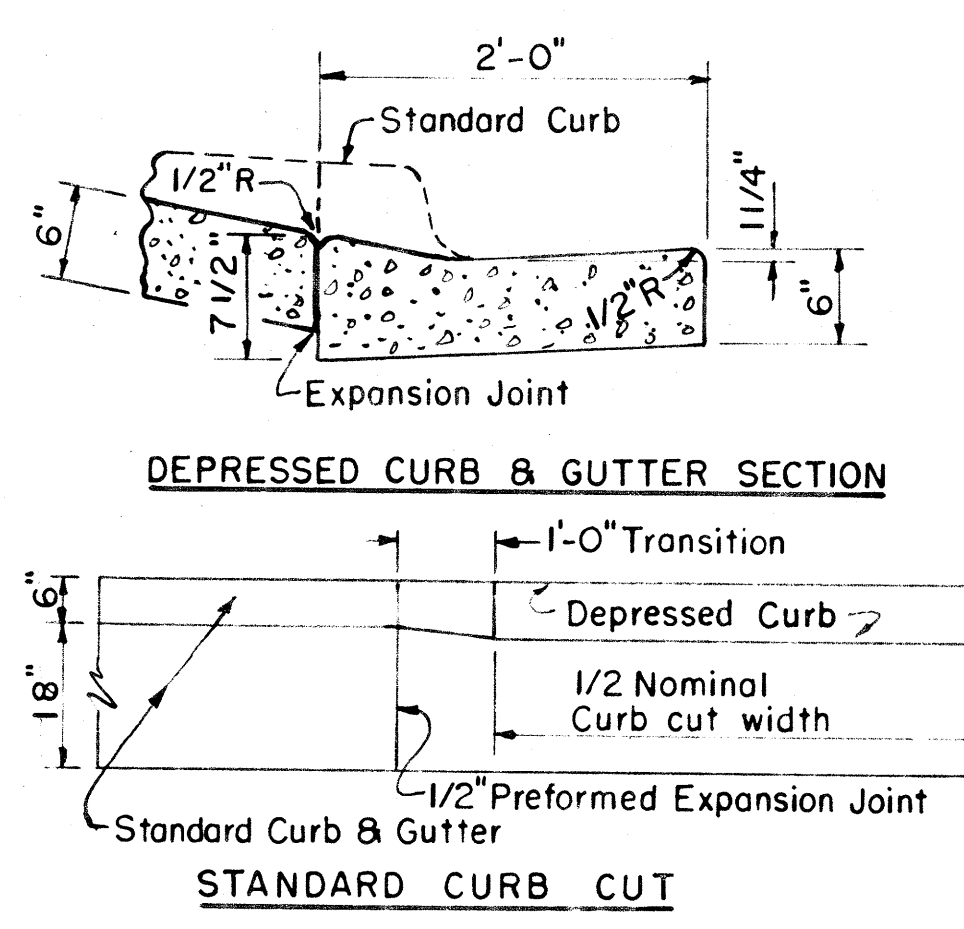
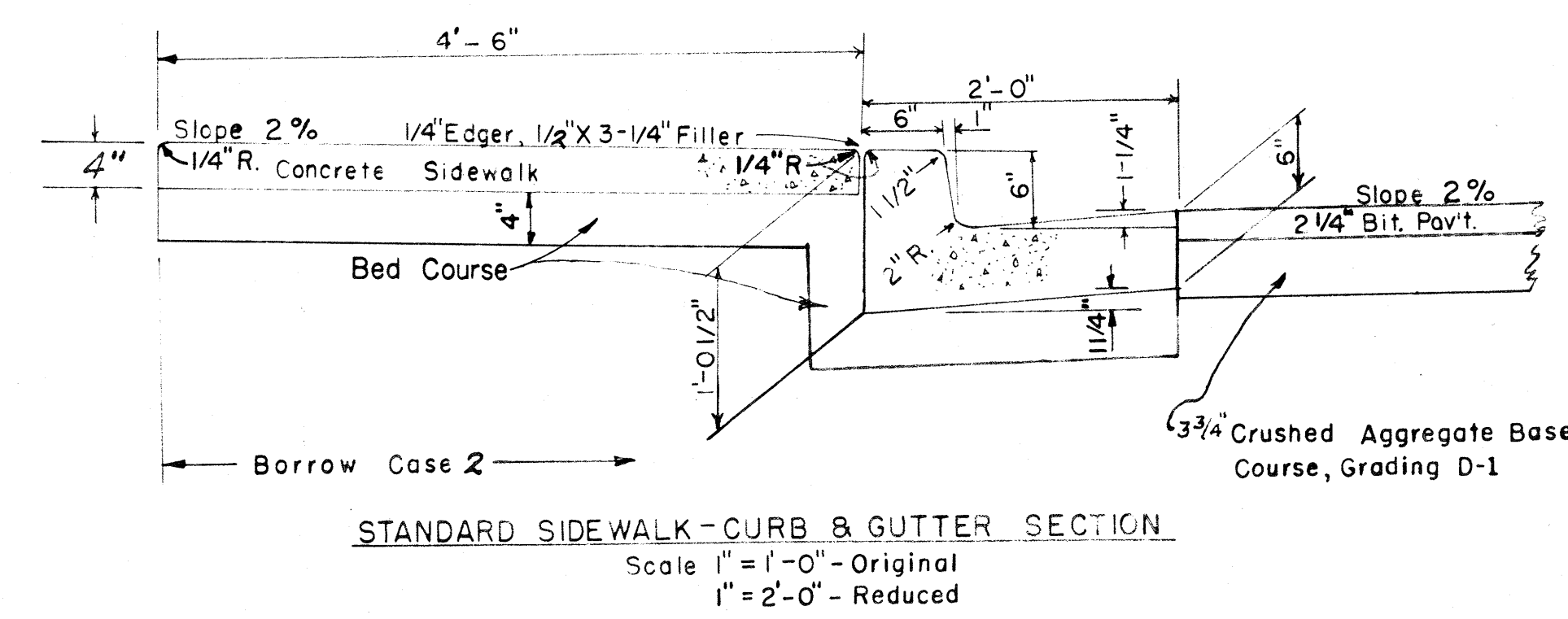


STATE	ROUTE	SECTION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	933		1959	17	26

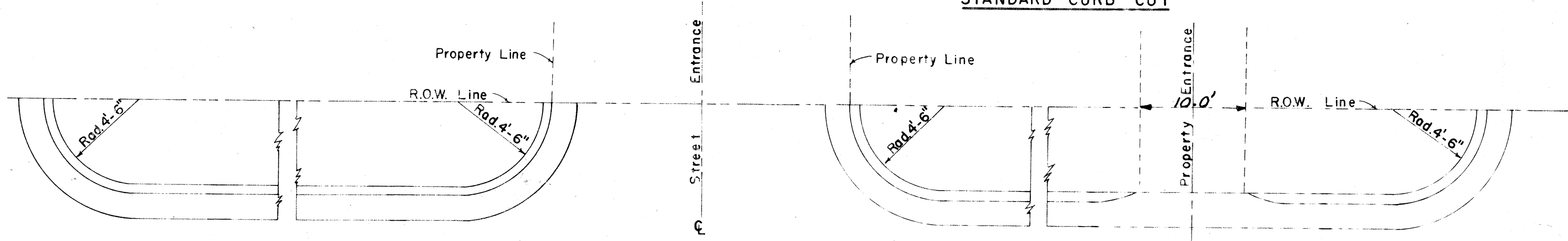
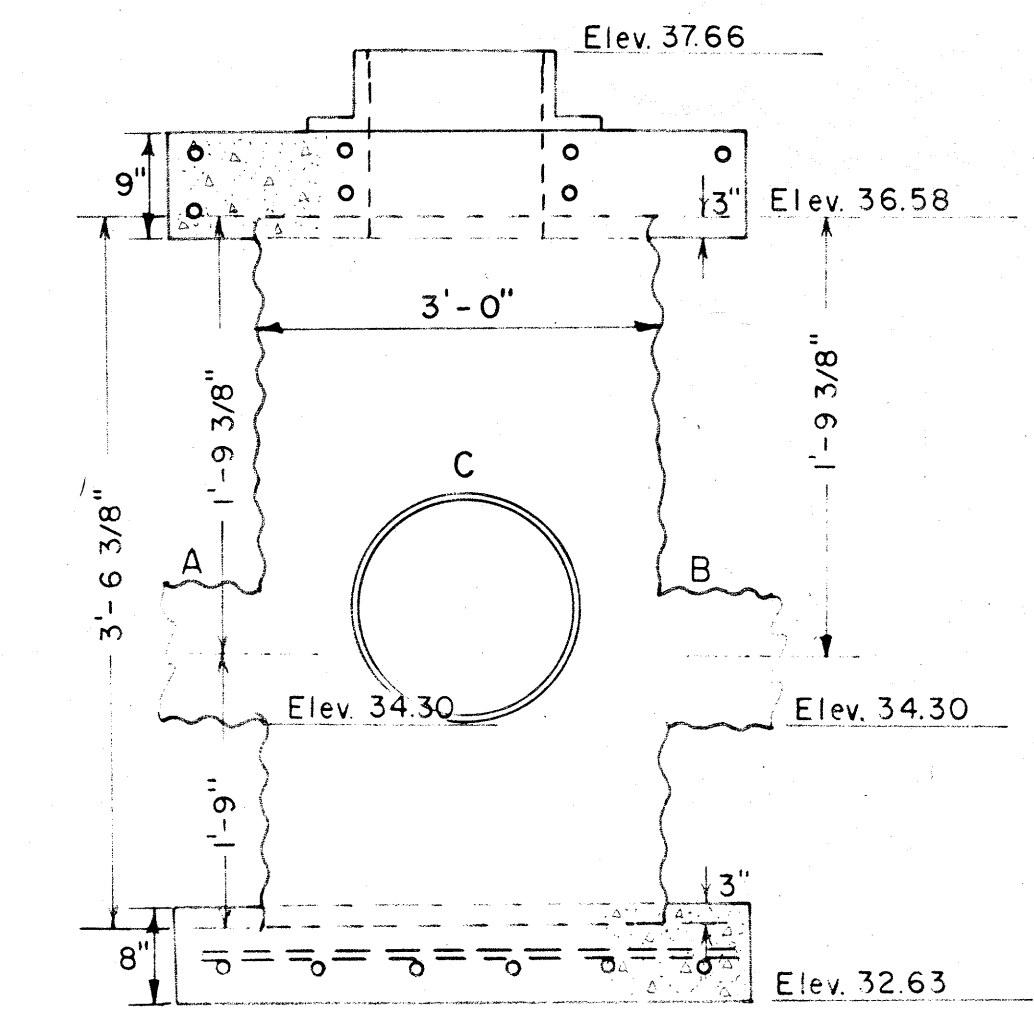
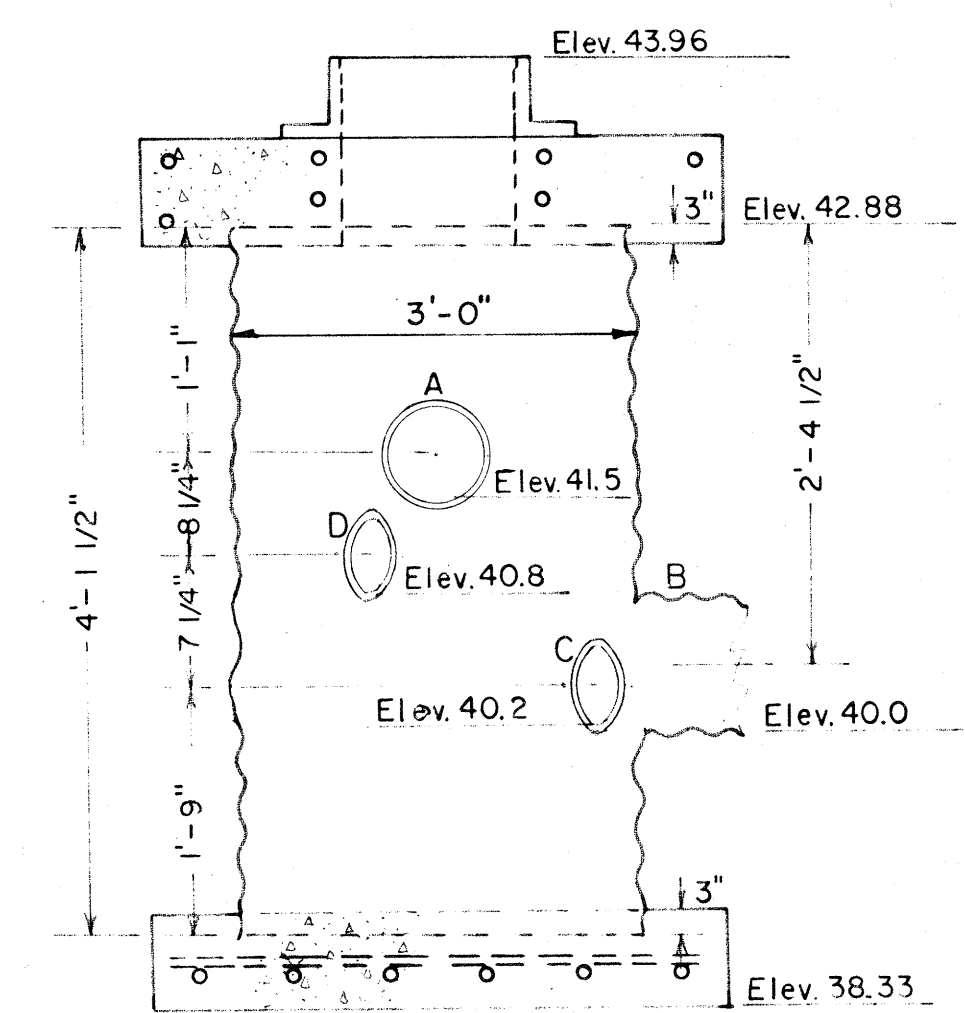
PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNMENT CHECKED	
	RT. OF WAY CHECKED	
NO.		

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	VERT. CHECKED	
	STRUCTURE NOTATIONS CHECKED	
NO.		



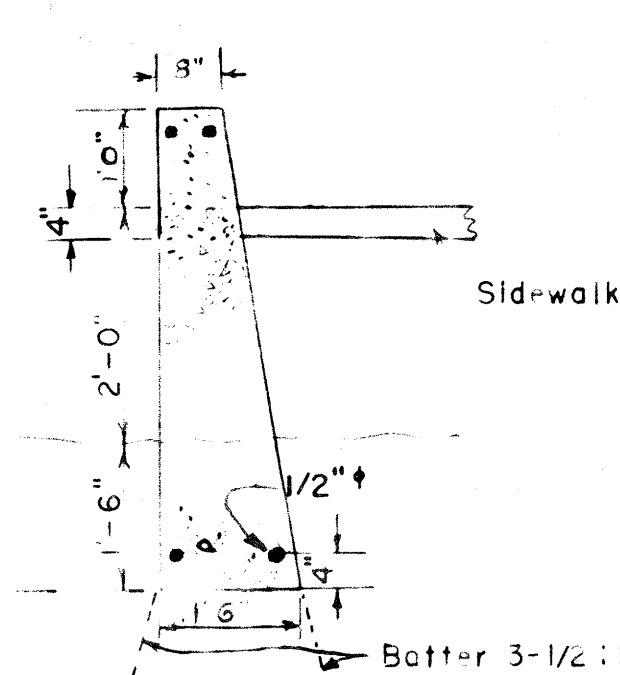
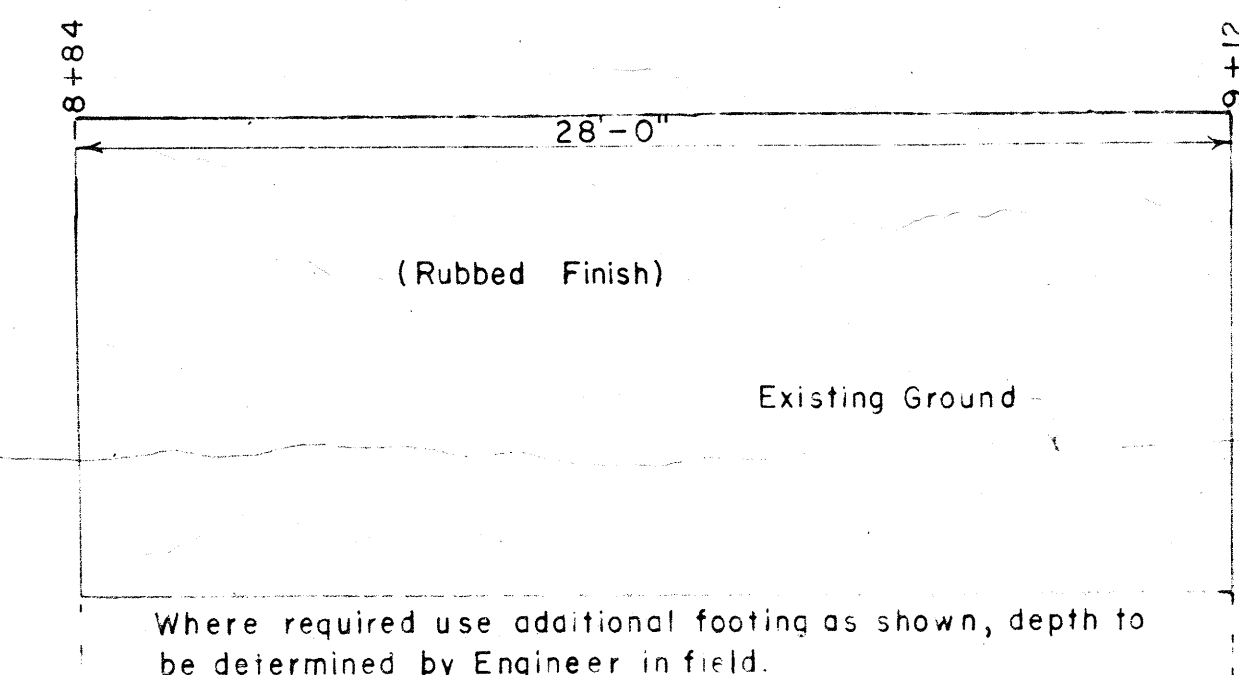


- DEPRESSED CURB SECTIONS**
- Sta. 3+10 Lt.
 - " 5+75 Lt.
 - " 6+40 Rt.
 - " 7+00 Rt.
 - " 8+05 Lt.
 - " 9+80 Lt.
 - " 10+80 Rt.
 - " 11+90 Rt.
 - " 12+00 Lt.
 - " 12+10 Rt.
 - " 12+80 Lt.
 - " 15+30 Rt.
 - " 16+70 Rt.
 - " 16+90 Rt.
 - " 18+60 Lt.
 - " 19+10 Rt.



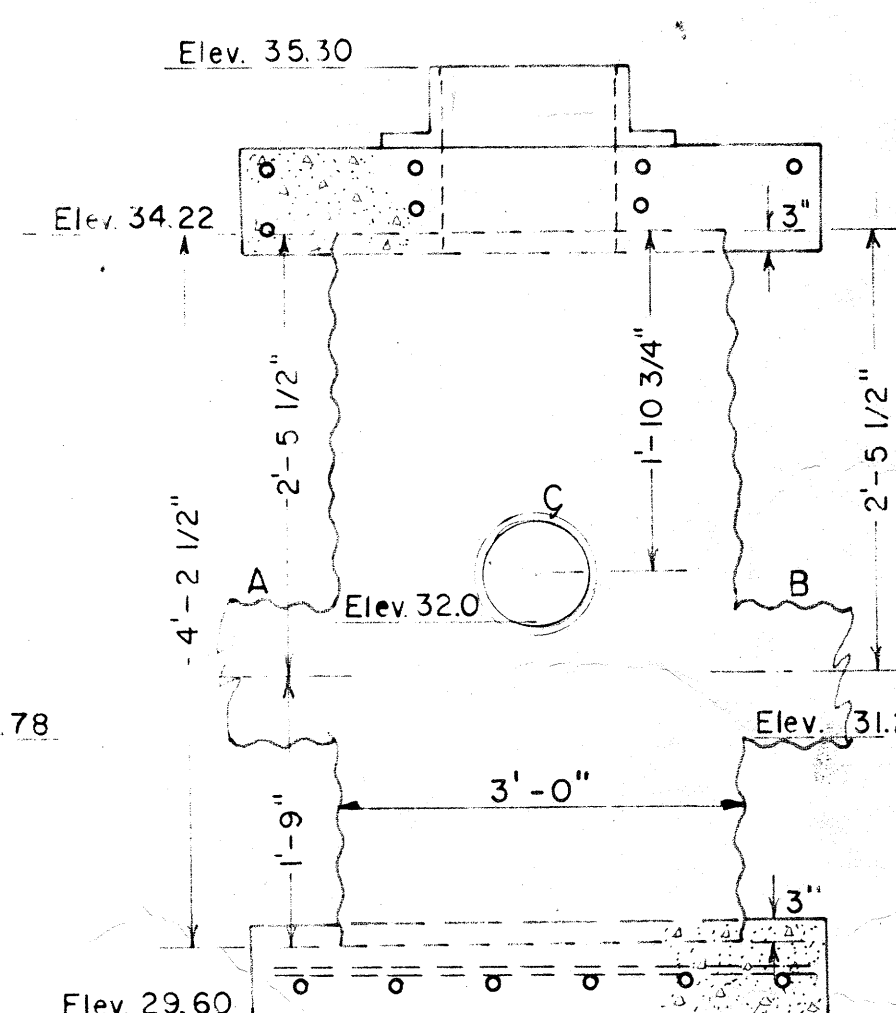
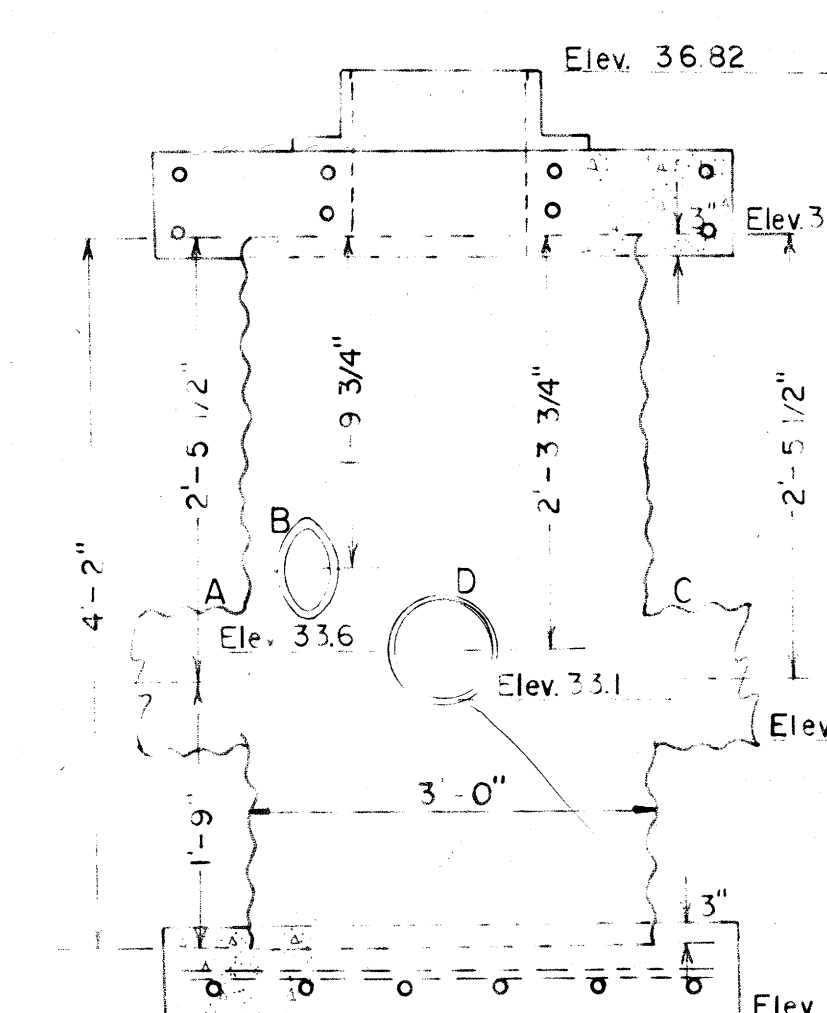
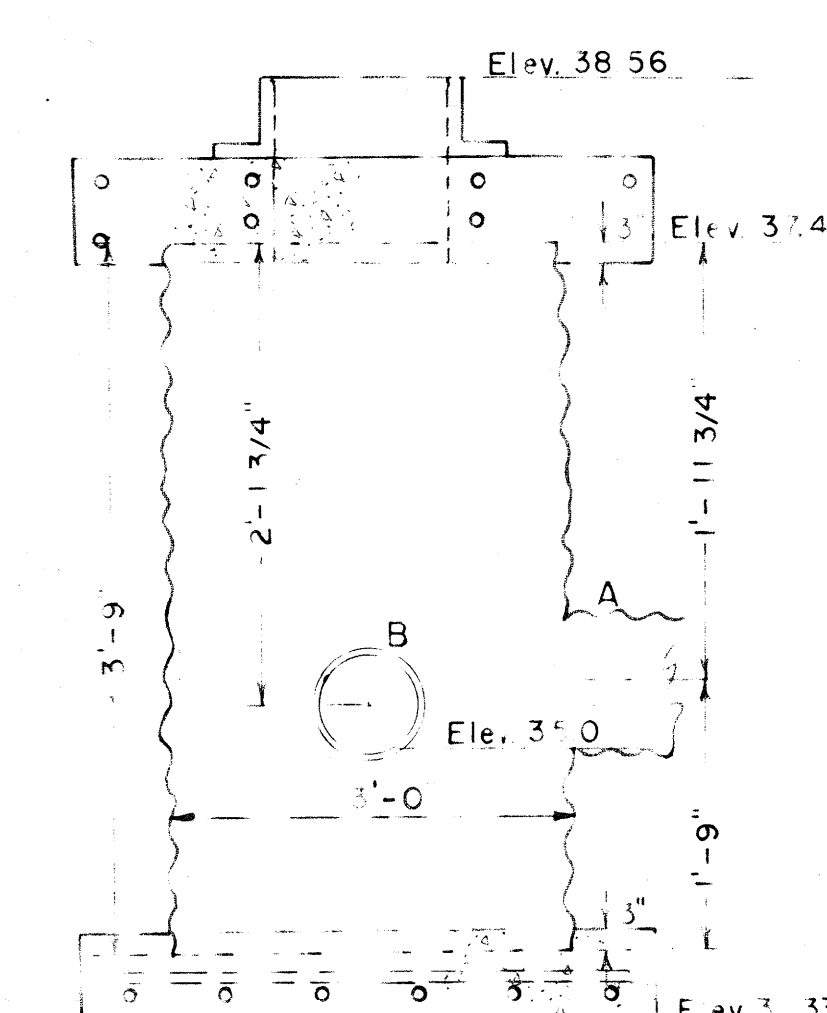
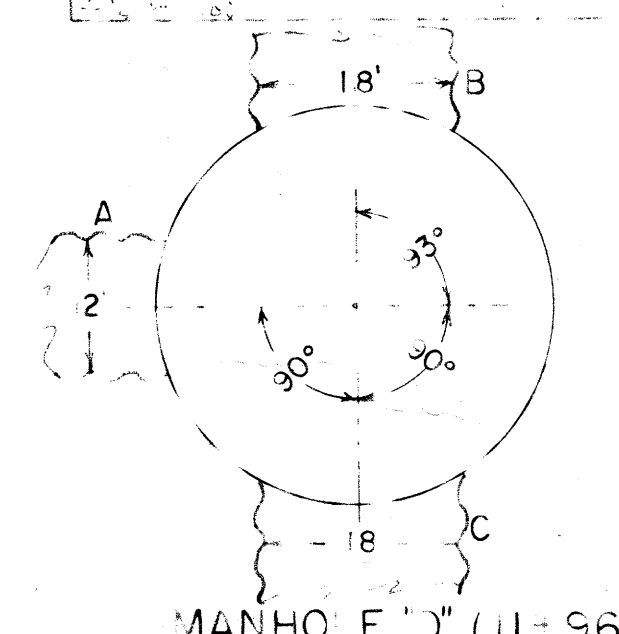
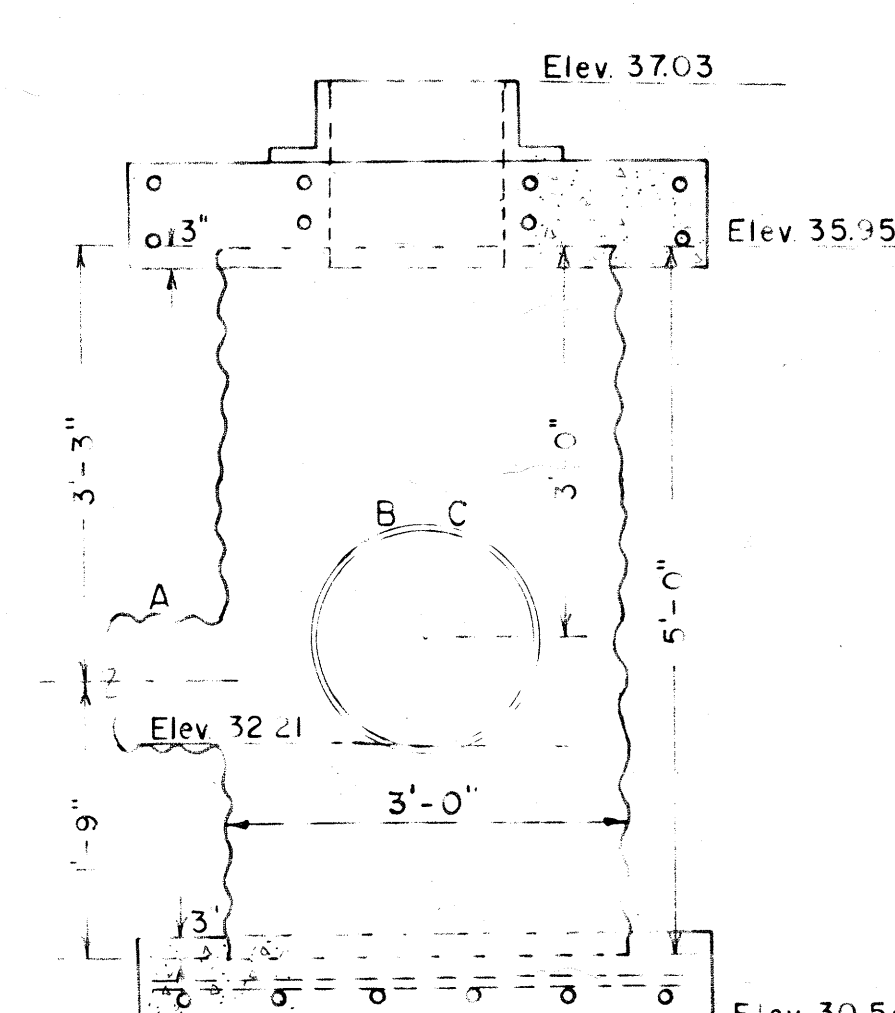
Locate 1/2" x 3/4" filler thru sidewalk at 30 foot intervals except where shorter sections are necessary for closures as directed by the Engineer. Contraction Joints at 6 foot intervals.

In curb and gutter locate 1/2" filler completely thru curb and gutter to match the 1/4" filler in the sidewalk. Seal joints with joint sealing material.

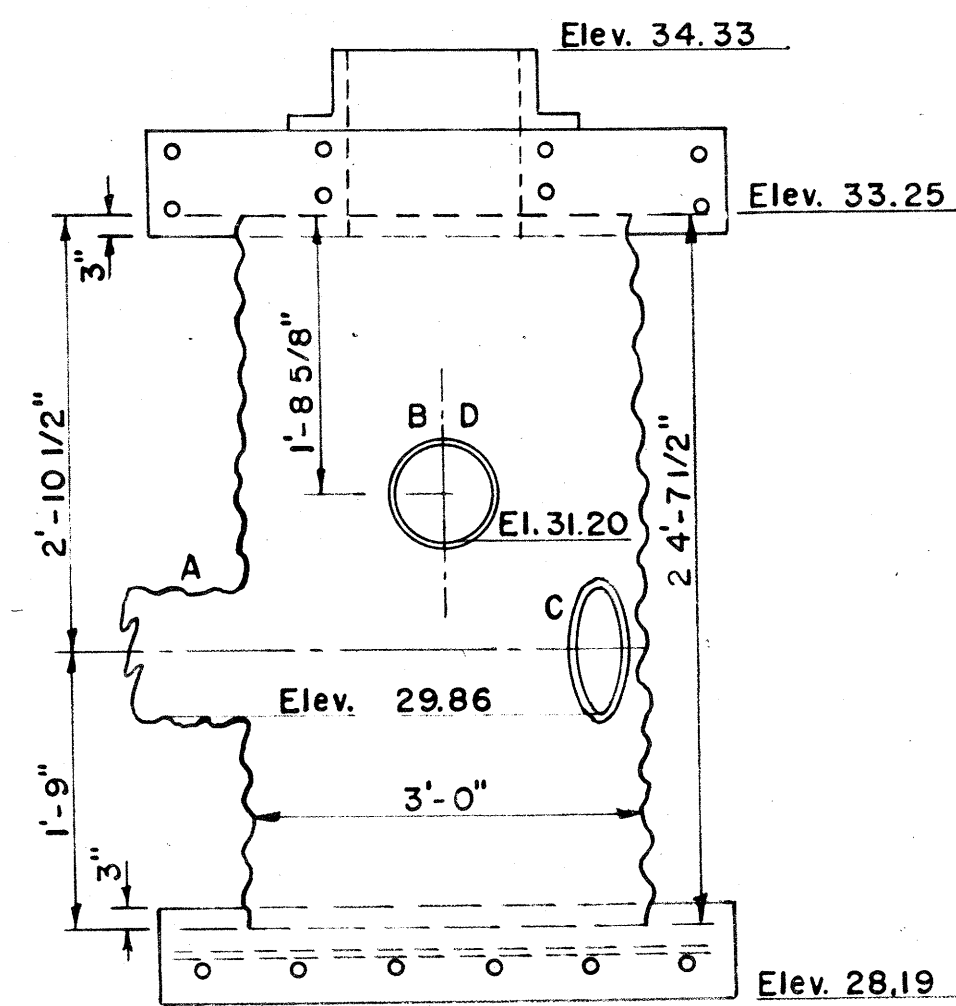


CONCRETE RETAINING WALL
 (Sta. 8+84 - Sta. 9+12) 27 Ft. Ht. of C

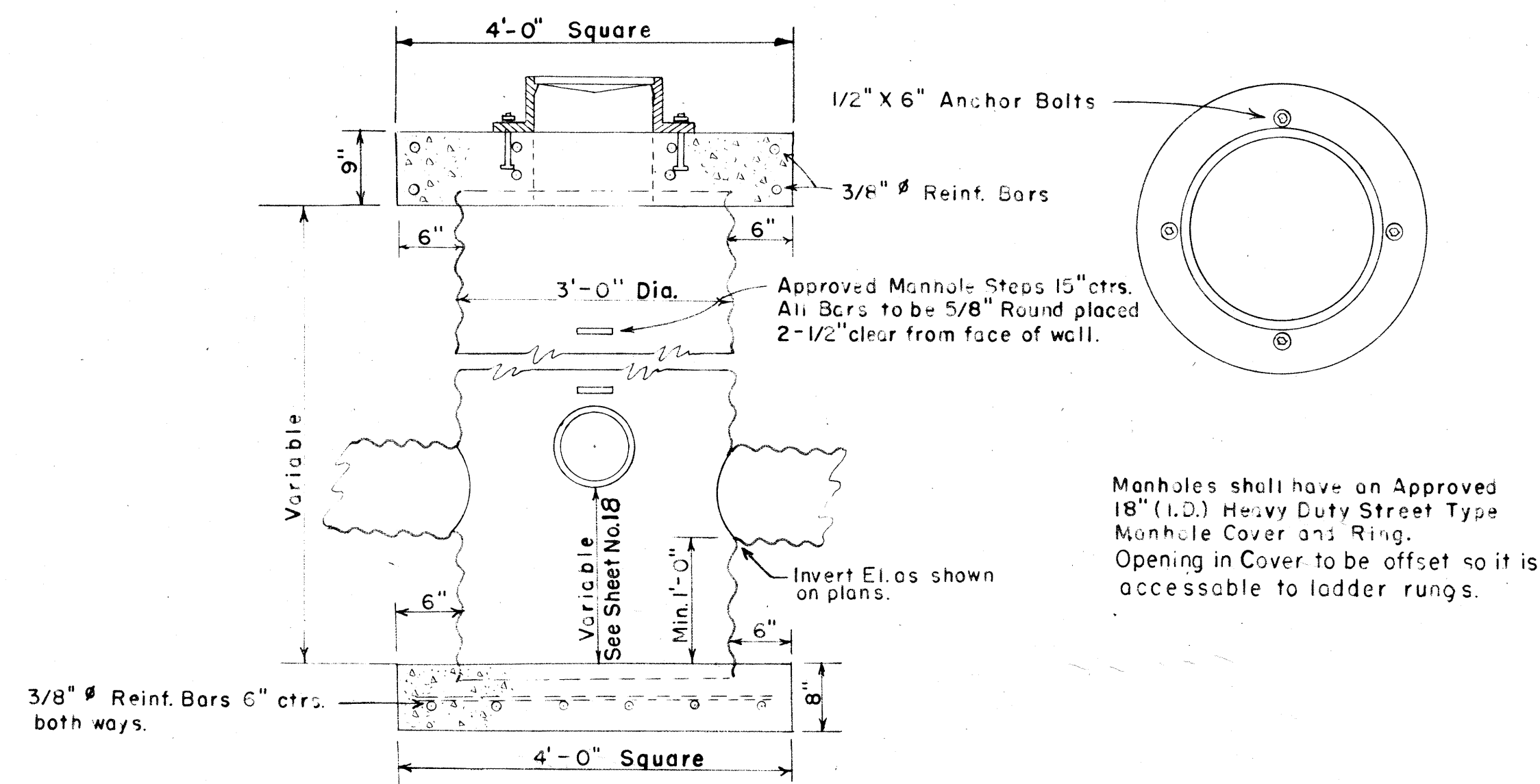
4-1/2" bars, 4" hook each end. Bend in field. Chamfer all exposed corners 3/4"



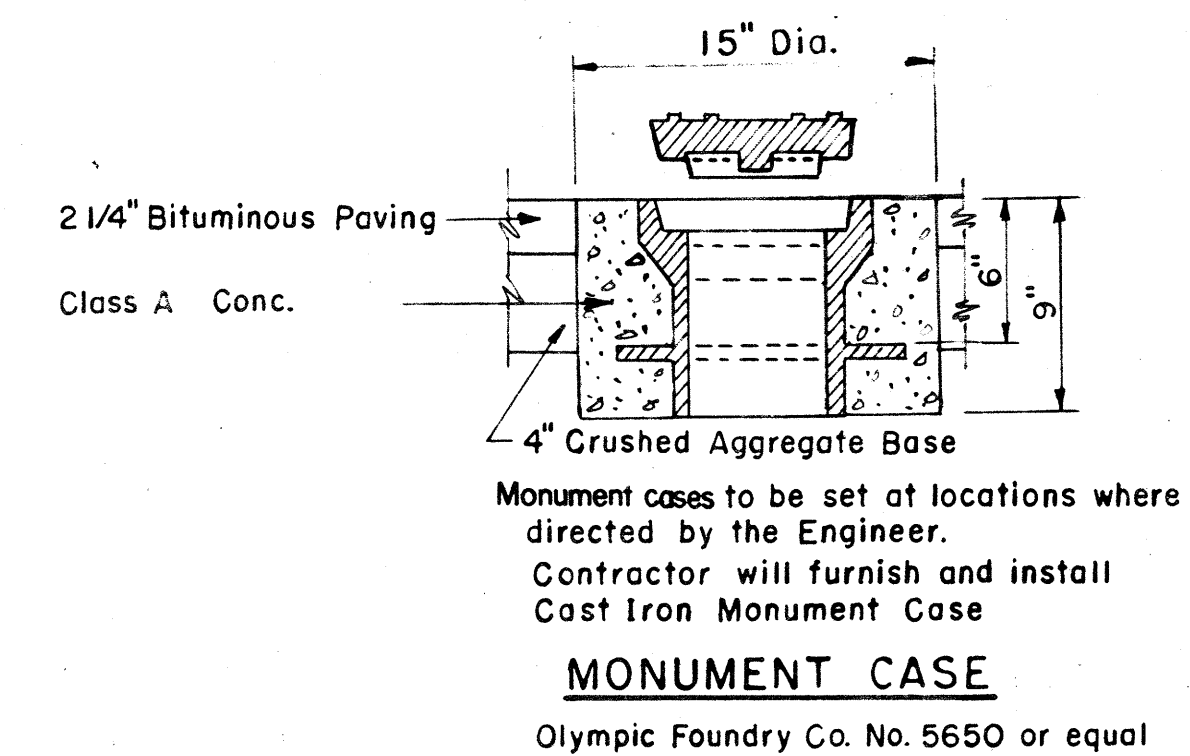
NOTES:
 All concrete shall be Class A, Air Entrained & Vibrated.
 For other manhole details see Sheet No. 17.
 All Details are not drawn to scale.



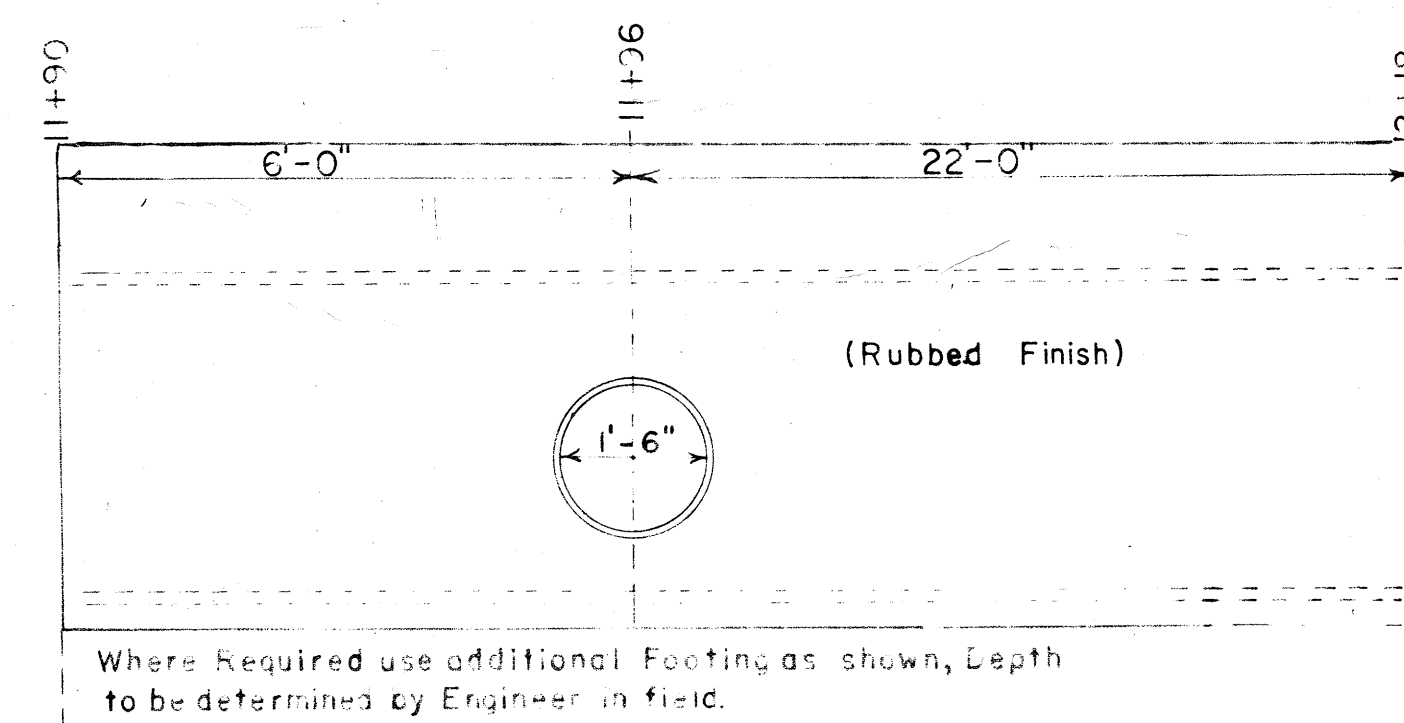
MANHOLE "H" (Sta. 21+90)



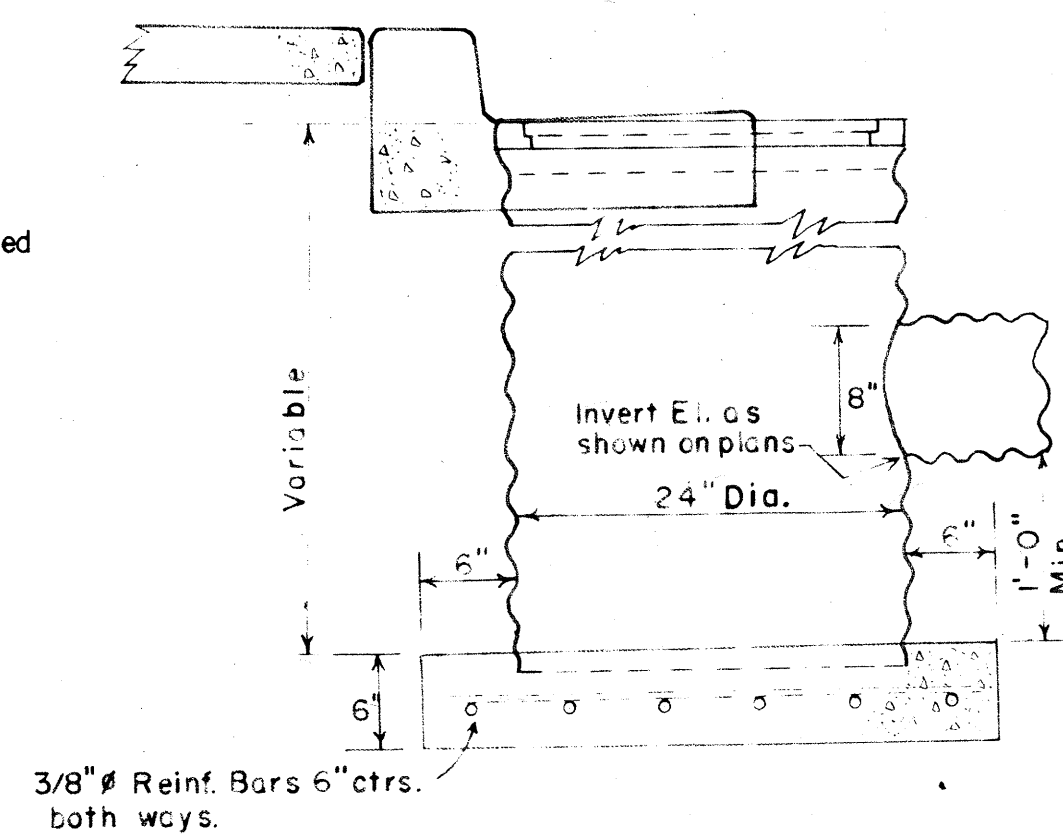
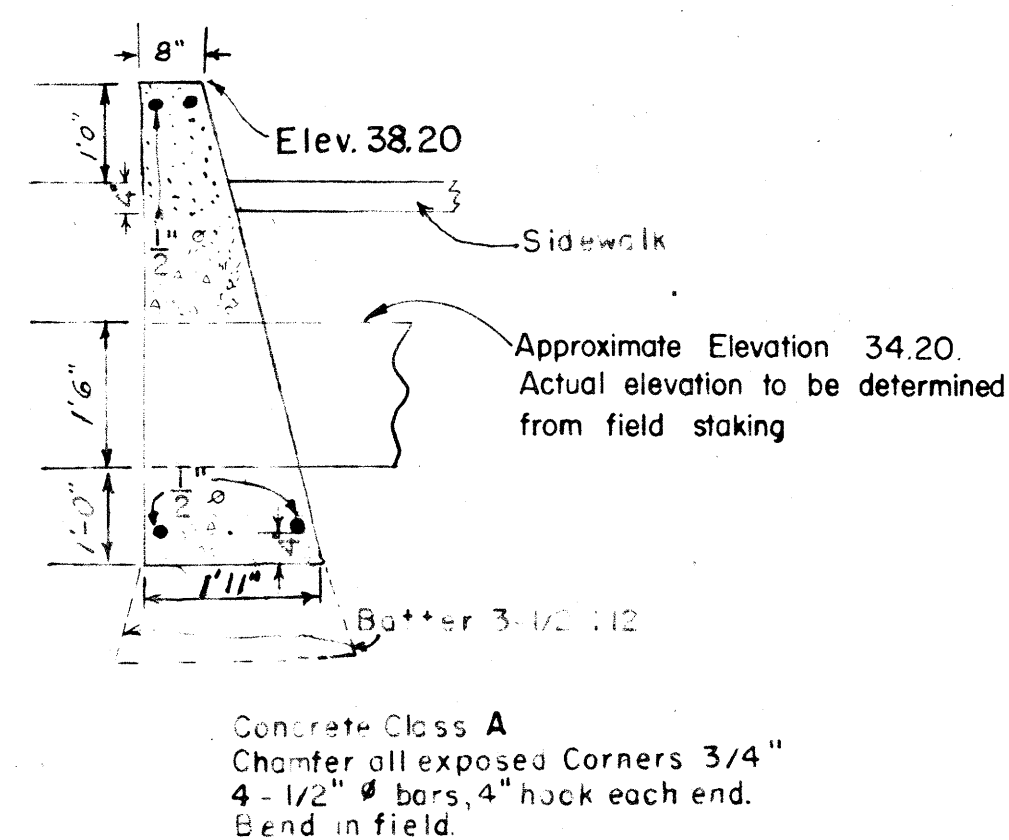
MANHOLE DETAILS (Asbestos Bonded)
(Manholes "A", "B", "C", "D", "E", "F", "G", "H")
For elevations, angles and other dimensions for manholes
See Sheets No. 18 & 19



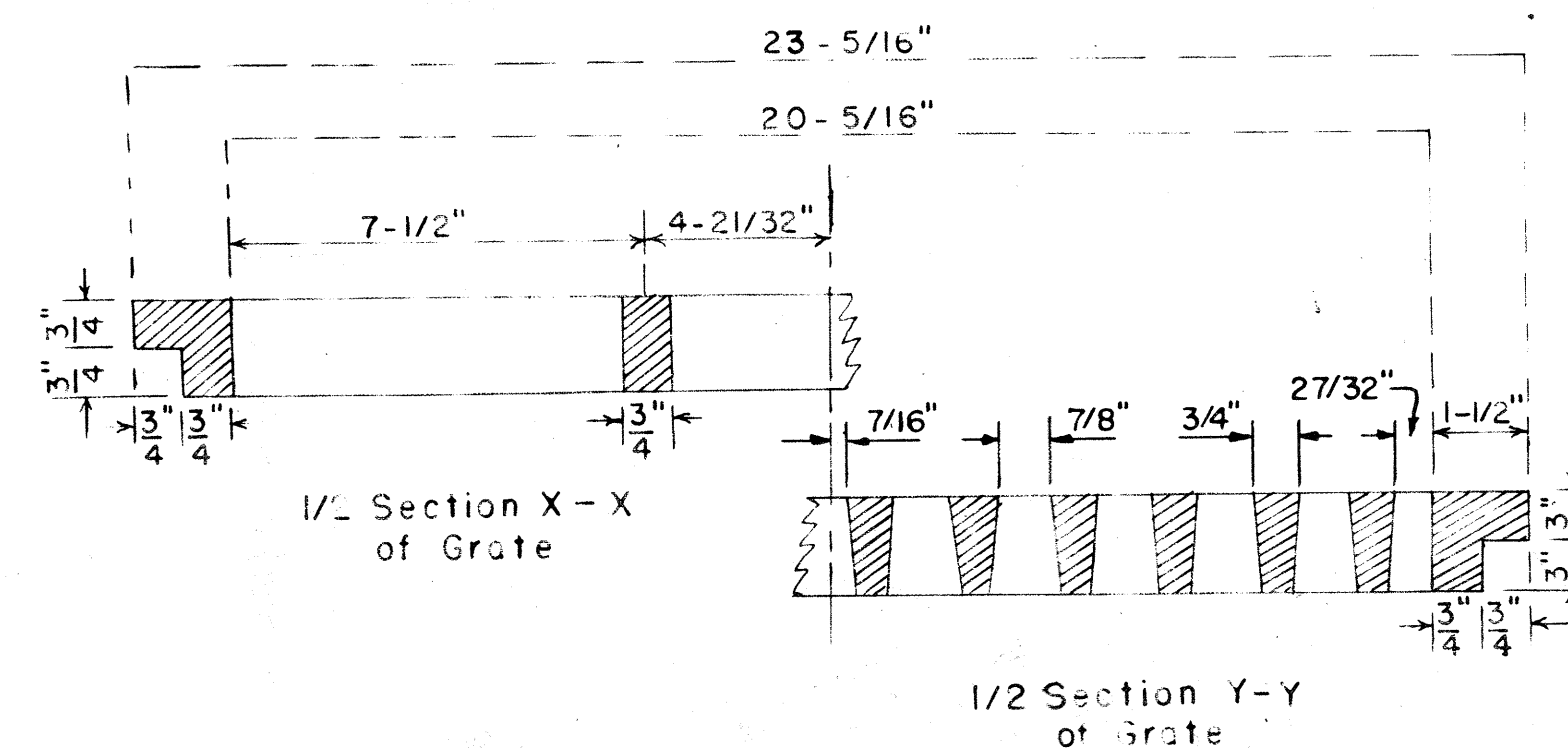
MONUMENT CASE
Olympic Foundry Co. No. 5650 or equal



HEADWALL FOR PIPE CULVERT
(11+90-12+18) 27 Ft. Rt. of C.



CATCH BASIN DETAILS (Asbestos Bonded)

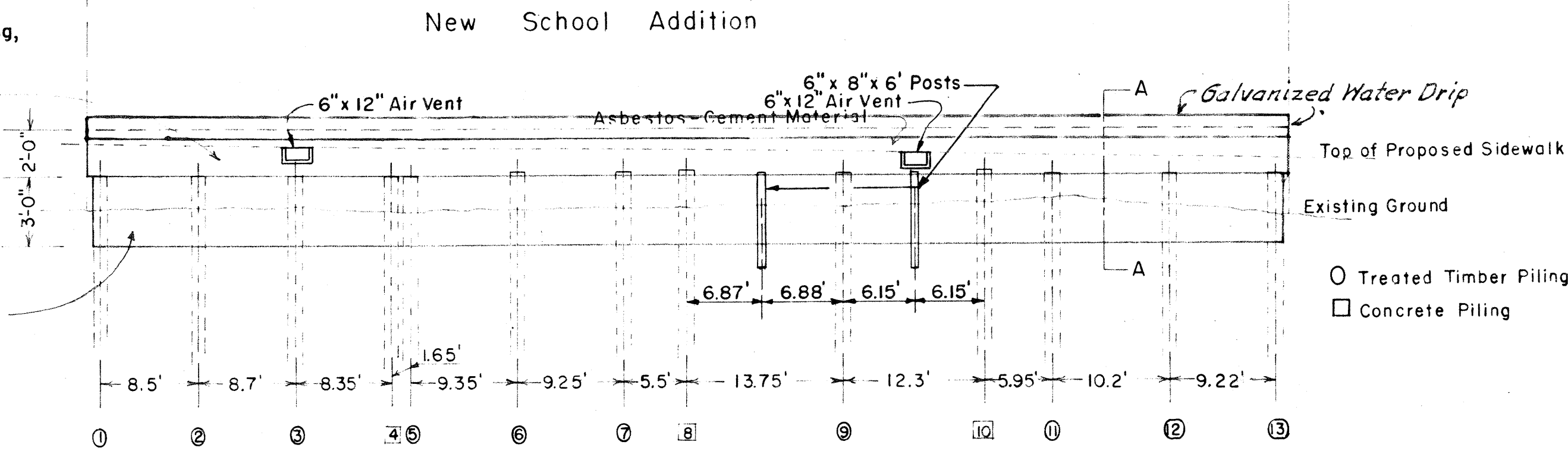


NOTE:
All Details are not drawn to Scale

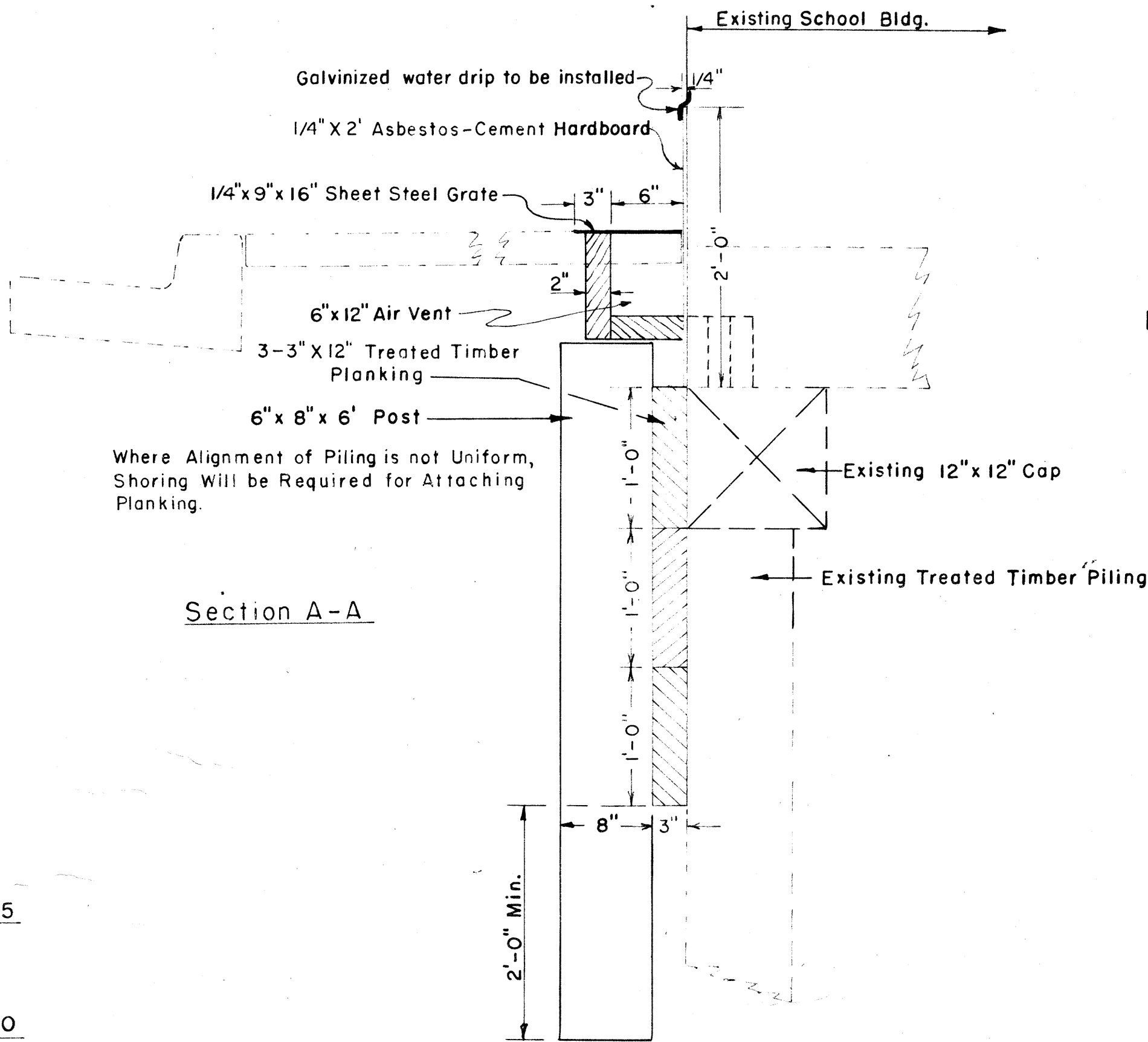
STATE	ROUTE	SECTION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	933		1959	20	26

Siding to be Replaced by 1/4" Thick Asbestos-Cement Hardboard Flashing, ASTM Designation C220-55. Aluminum Nails Shall be used to fasten Material to Sheathing.

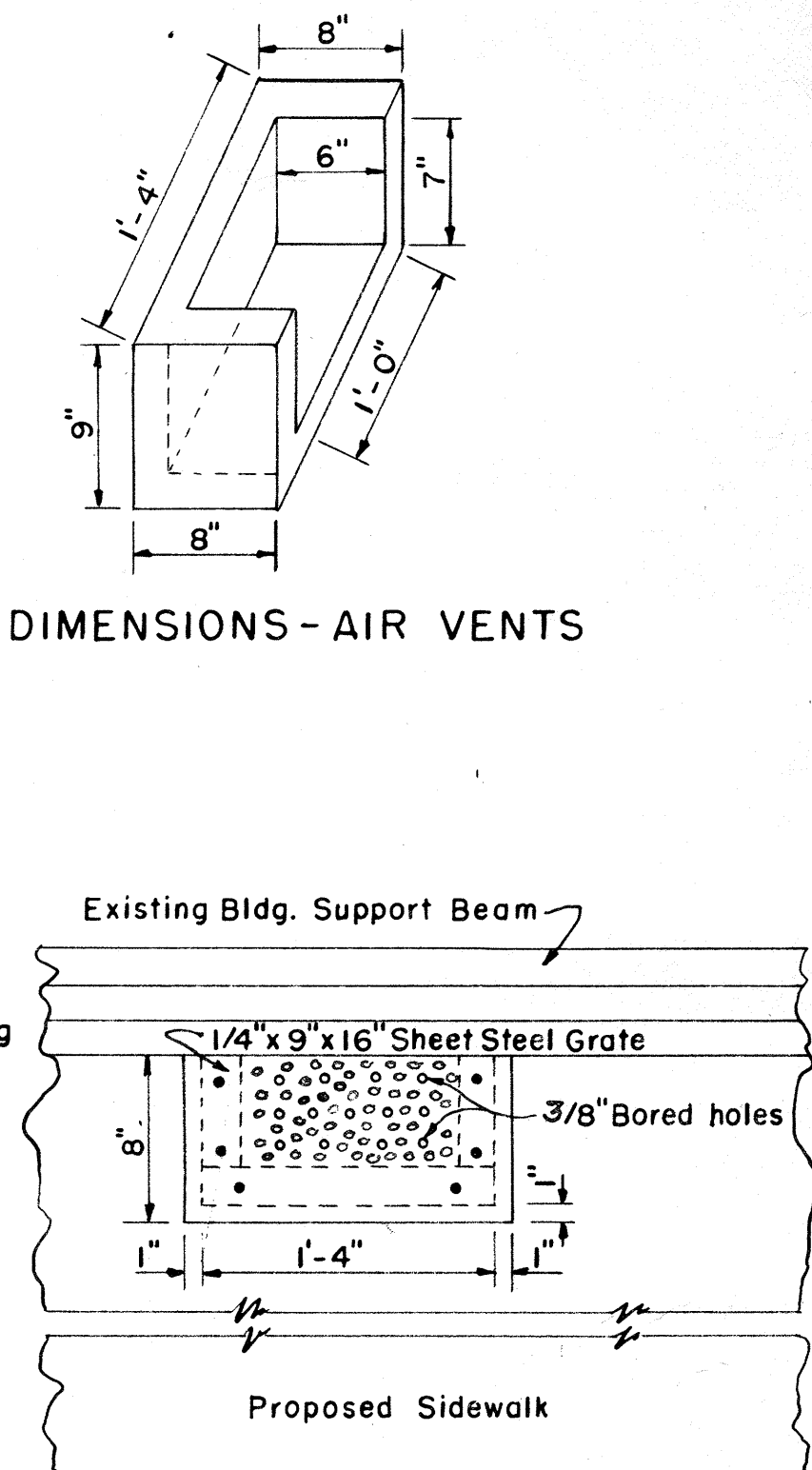
Treated Timber Planking shall be fastened with 50d Gal'v nails to the Timber Piling to form Retaining Wall.



TREATED TIMBER BULKHEAD WITH ASBESTOS CEMENT FLASHING
(Sta. 16+40 To Sta. 17+44) 28 Ft. Lt.

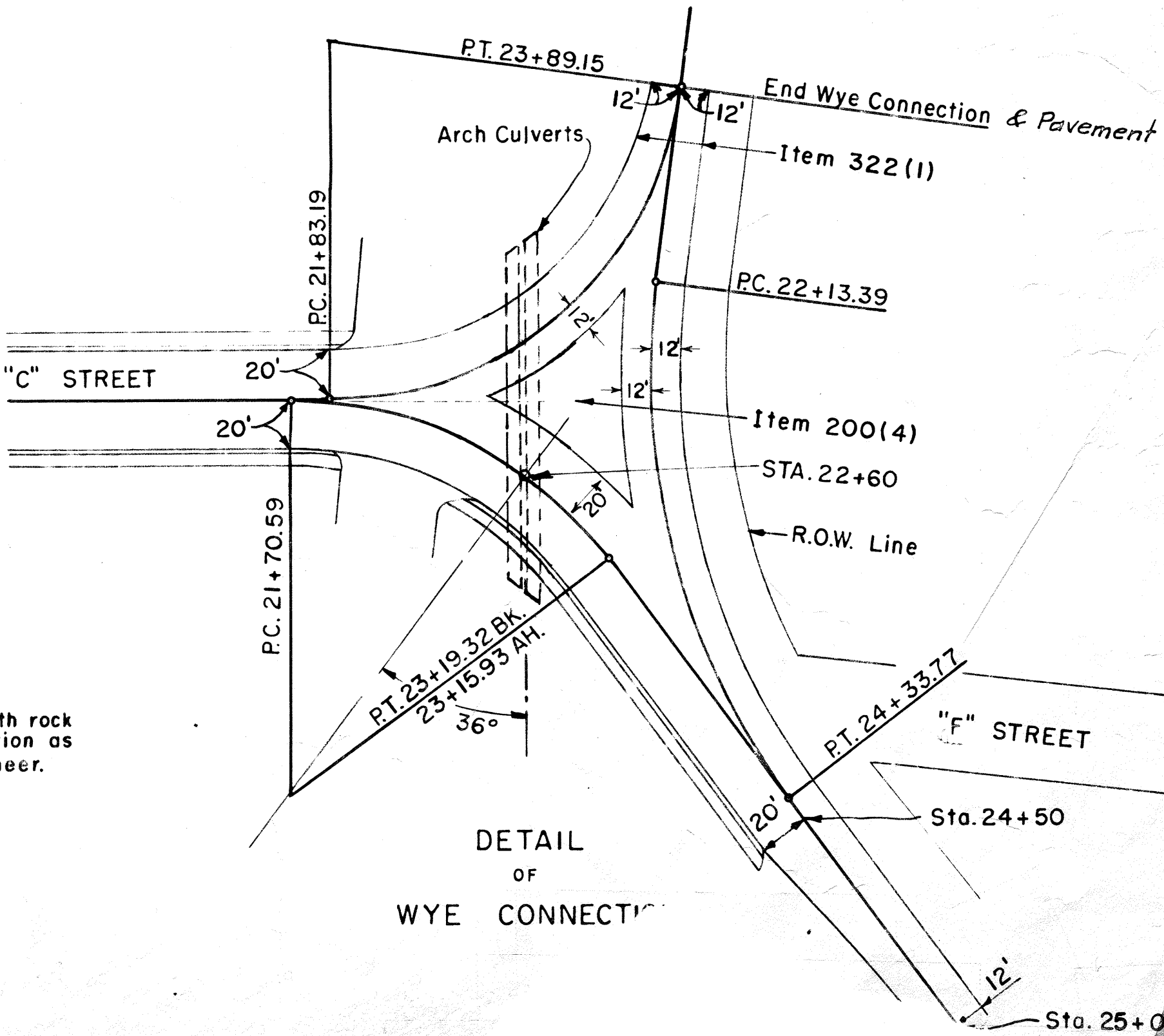


Section A-A

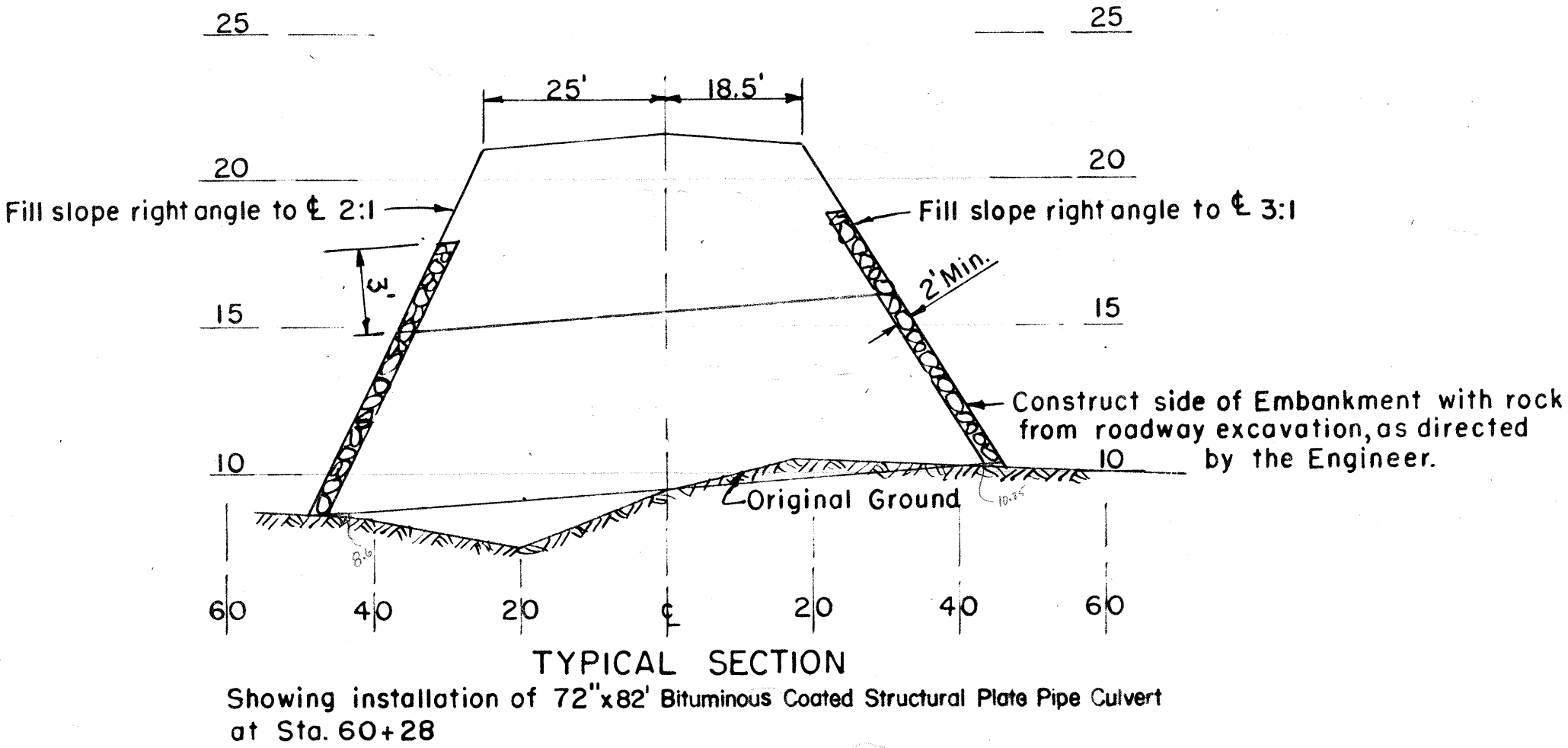


PLAN-AIR VENTS

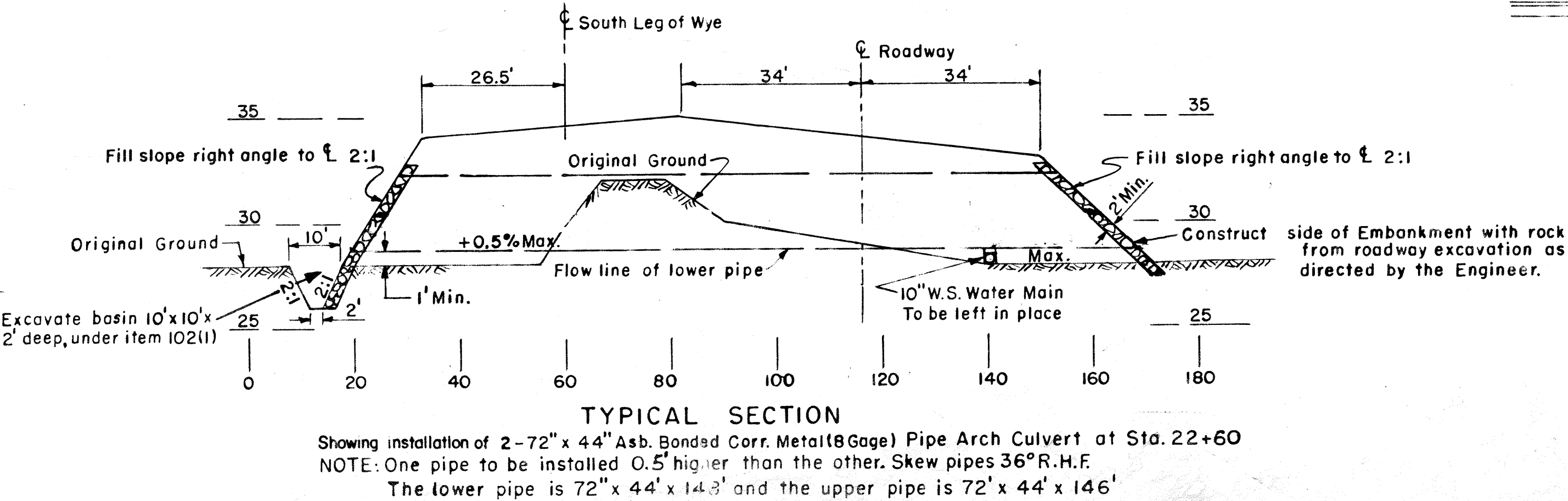
NOTE:
All Details are not drawn to Scale.



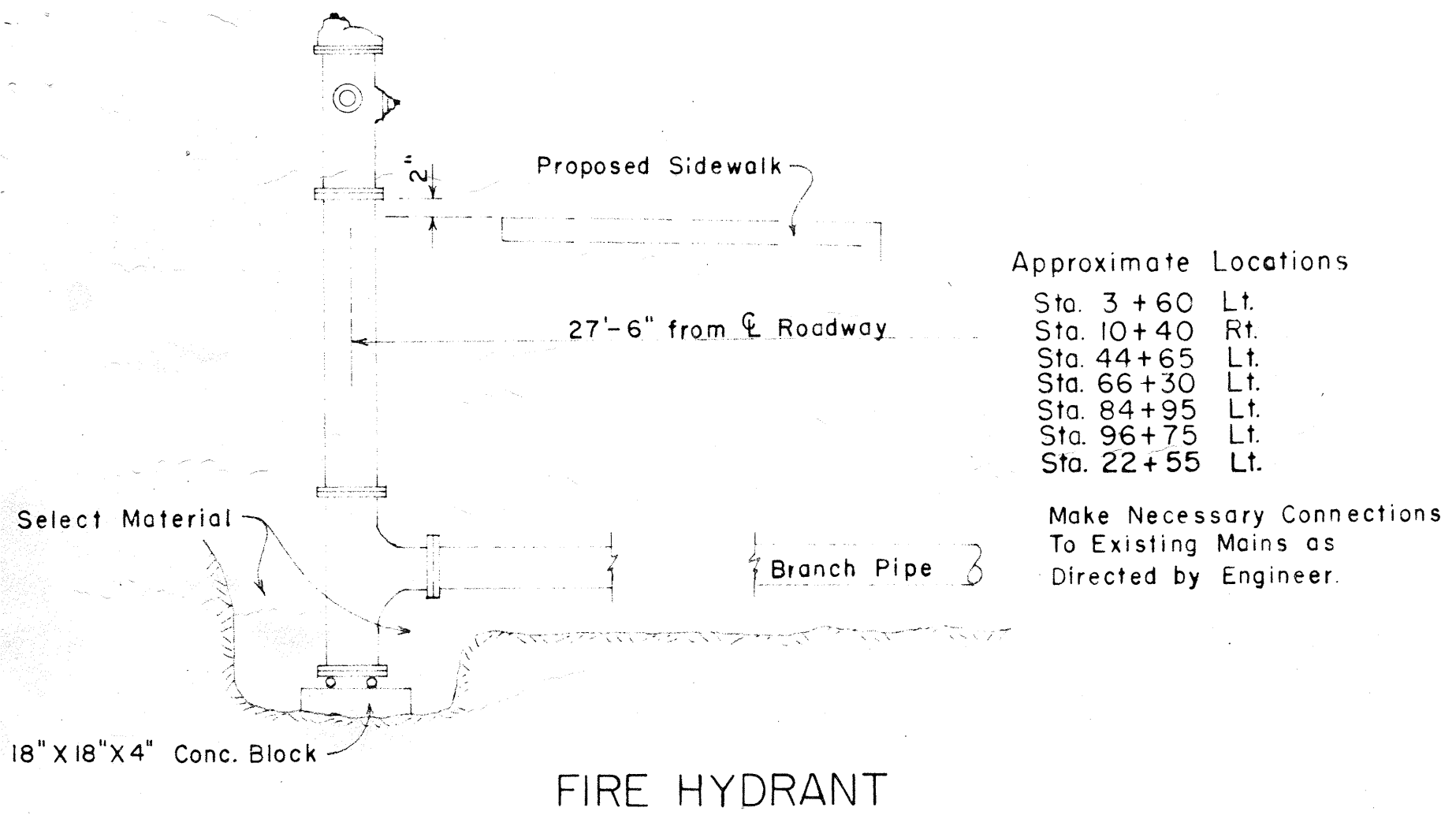
DETAIL
OF
WYE CONNECTION



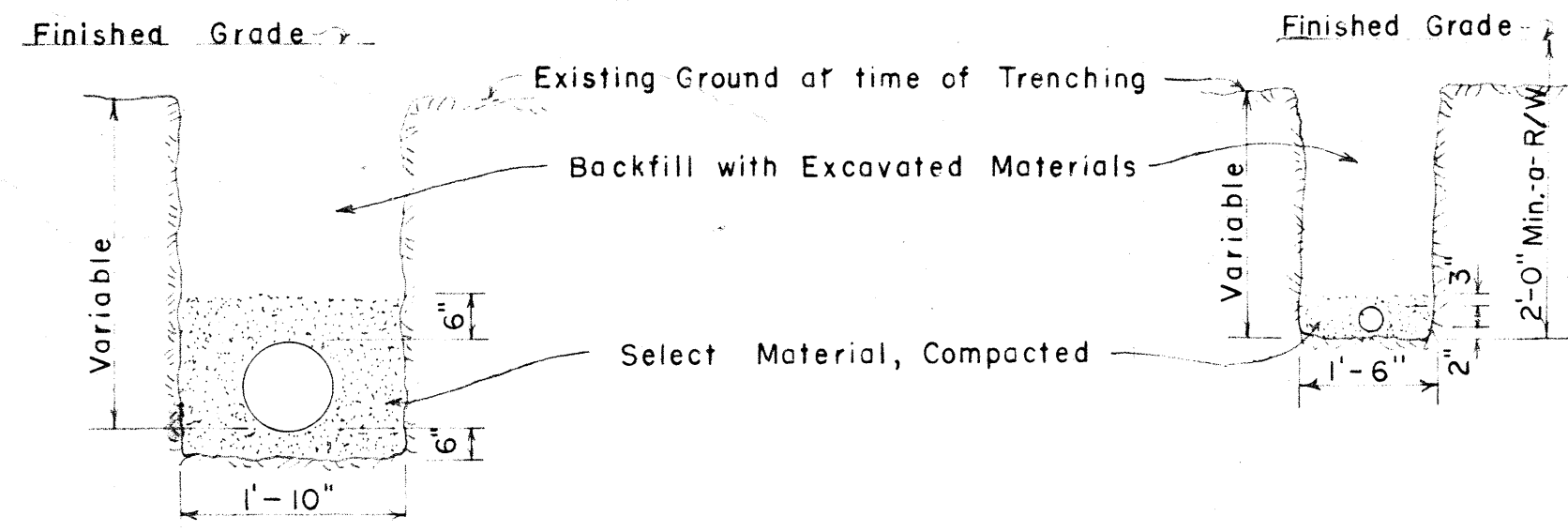
Skew 15° Right Forward.



NOTE: One pipe to be installed 0.5' higher than the other. Skew pipes 36° R.H.F.
The lower pipe is 72' x 44' x 14.3' and the upper pipe is 72' x 44' x 14.6'



FIRE HYDRANT



FIRE HYDRANT BRANCH PIPE
ALL WATER SERVICE LINES
PAY LINES FOR TRENCHING