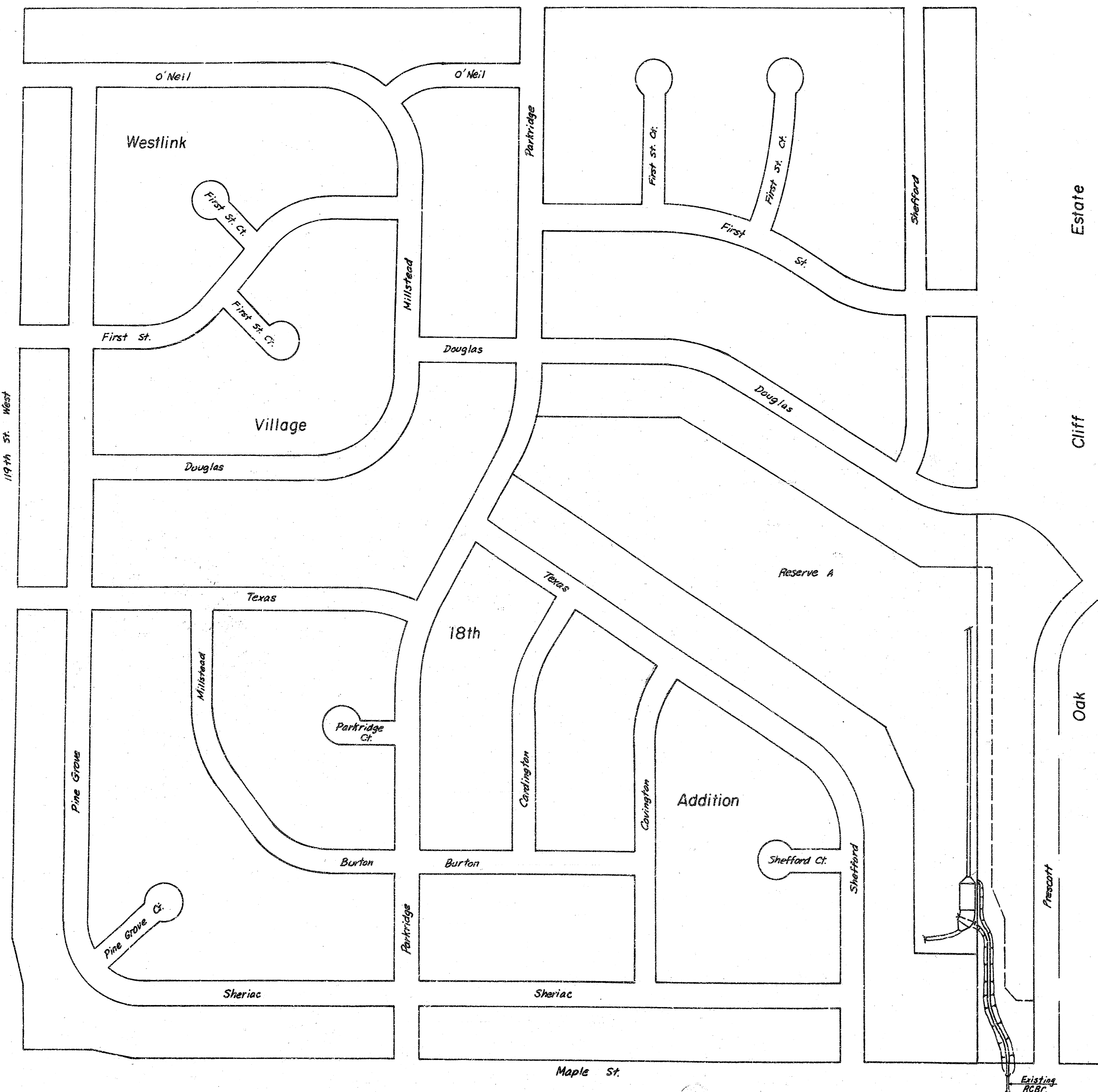


# DETENTION RESERVOIR NO. 10 IN WESTLINK VILLAGE 18TH ADDITION



No Scale



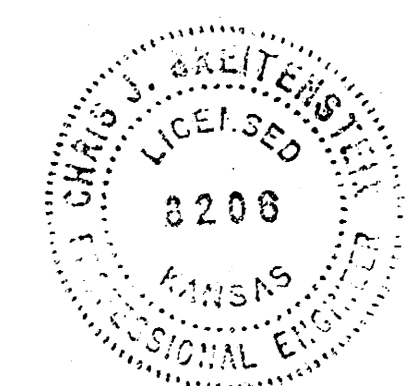
GENERAL NOTES

1. THE BID ITEM LUMP SUM SPILLWAY SHALL INCLUDE THE FOLLOWING ITEMS: RIPRAP, CONCRETE CUT-OFF WALL, AND ANTI-SEEP COLLARS.
3. ALL CONCRETE SHALL BE STANDARD PAVING MIX.
4. 24" PIPE MAY BE EITHER RCP OR CMP.

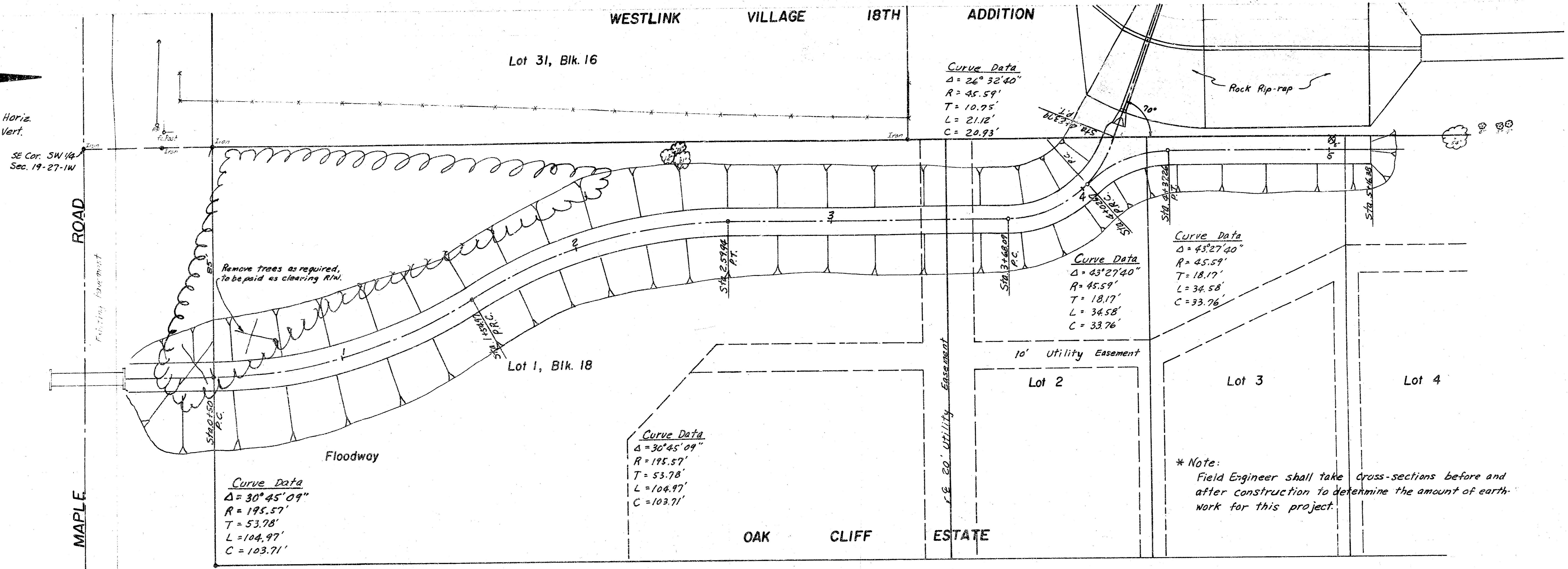
THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING PROPERTY IRONS. THE CONTRACTOR SHALL BE REQUIRED TO RE-ESTABLISH ANY PROPERTY IRONS WHICH ARE DAMAGED OR DESTROYED BY HIS CONSTRUCTION OPERATIONS. SUCH IRONS SHALL BE RE-ESTABLISHED BY A LICENSED LAND SURVEYOR OR A LICENSED PROFESSIONAL ENGINEER IN ACCORDANCE WITH STATE LAWS.

**R.W. BRUGGEMAN, DIRECTOR OF ENGINEERING /  
CITY ENGINEER**  
CITY OF WICHITA, KANSAS  
PROJECT NO. 468 76 245 81092 000 000 001

DATE: \_\_\_\_\_

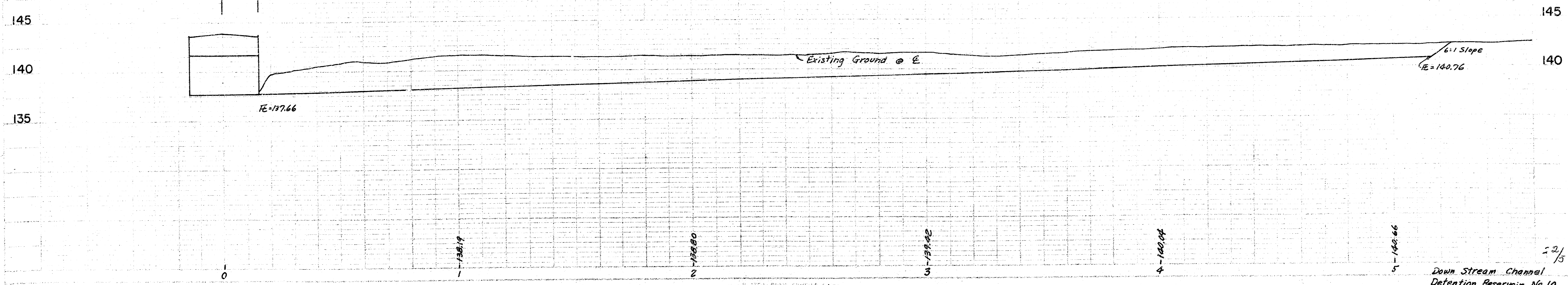


Scale: Plan 1"=20'  
 Profile 1"=20' Horiz.  
 1"=5' Vert.



\* Note:  
 Field Engineer shall take cross-sections before and after construction to determine the amount of earthwork for this project.

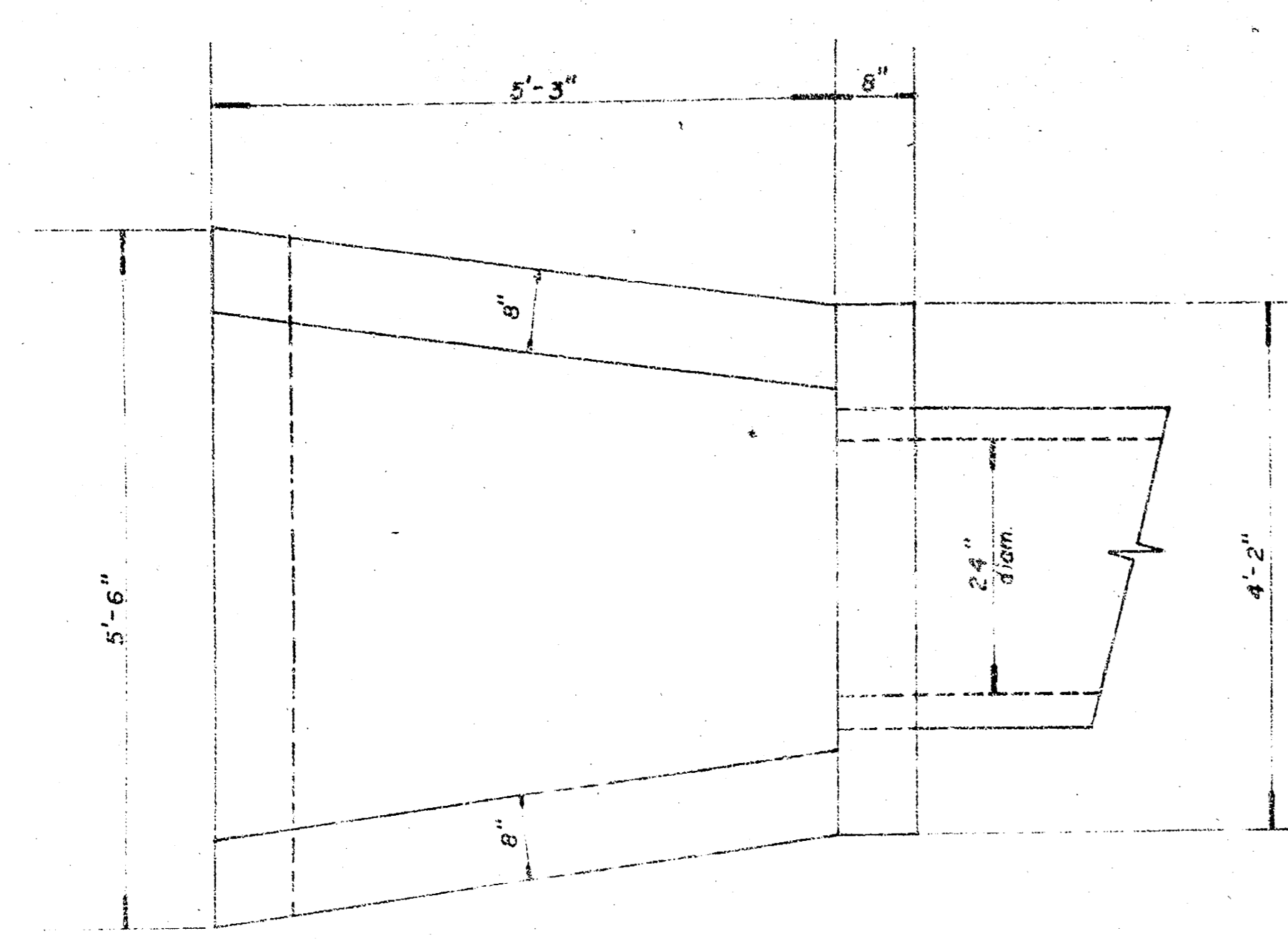
Constr. 411 LE of Channel @ 0.612%  
 (10' Bottom, 6:1 Side Slope)



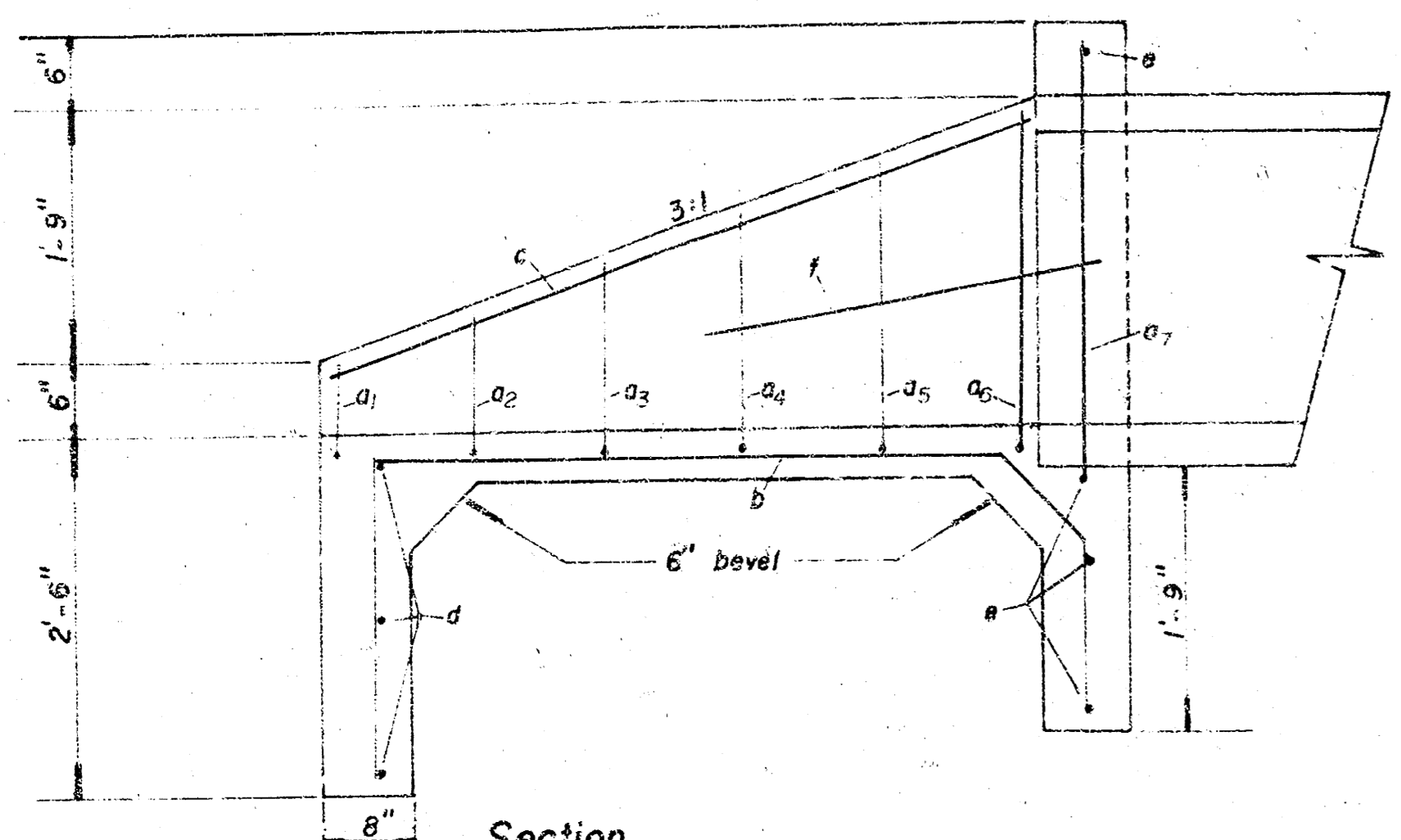
Down Stream Channel  
 Detention Reservoir No. 10

DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 SURVEYOR: \_\_\_\_\_  
 DRAWN: \_\_\_\_\_  
 CHECKED: \_\_\_\_\_  
 NO. OF ANY SHEETS: \_\_\_\_\_  
**PLAN**  
 NOTE BOOK No. \_\_\_\_\_

DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 SURVEYOR: \_\_\_\_\_  
 DRAWN: \_\_\_\_\_  
 CHECKED: \_\_\_\_\_  
 NO. OF ANY SHEETS: \_\_\_\_\_  
**PROFILE**  
 NOTE BOOK No. \_\_\_\_\_



Plan



Section

**24" Pipe Headwall**  
 Scale: 3/4" = 1'-0"

Note: All exposed edges to have 1/8" bevel.  
 All rebar to be no. 4.

a bars

a <sub>1</sub>	4'-9"
a <sub>2</sub>	4'-"
a <sub>3</sub>	4'-5"
a <sub>4</sub>	4'-2"
a <sub>5</sub>	3'-10"
a <sub>6</sub>	3'-7"
a <sub>7</sub>	3'-2"

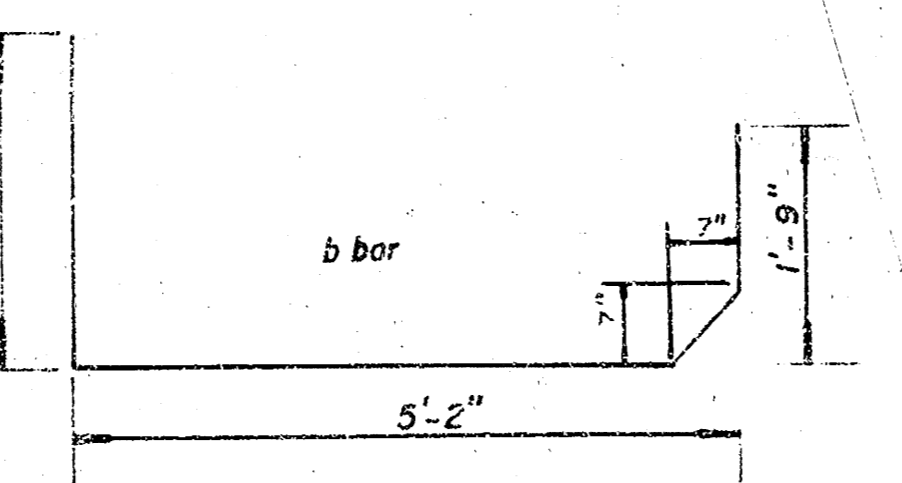
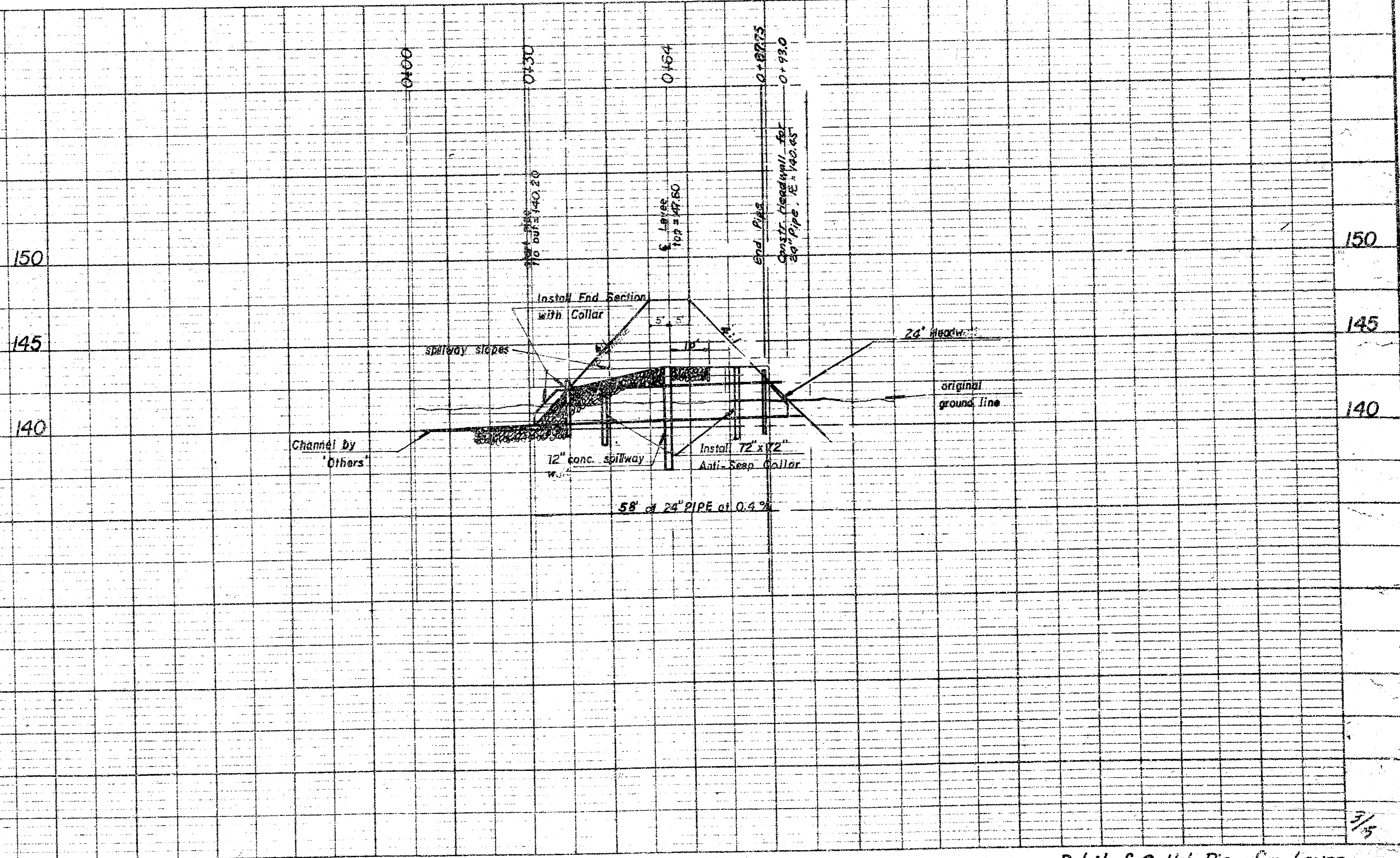
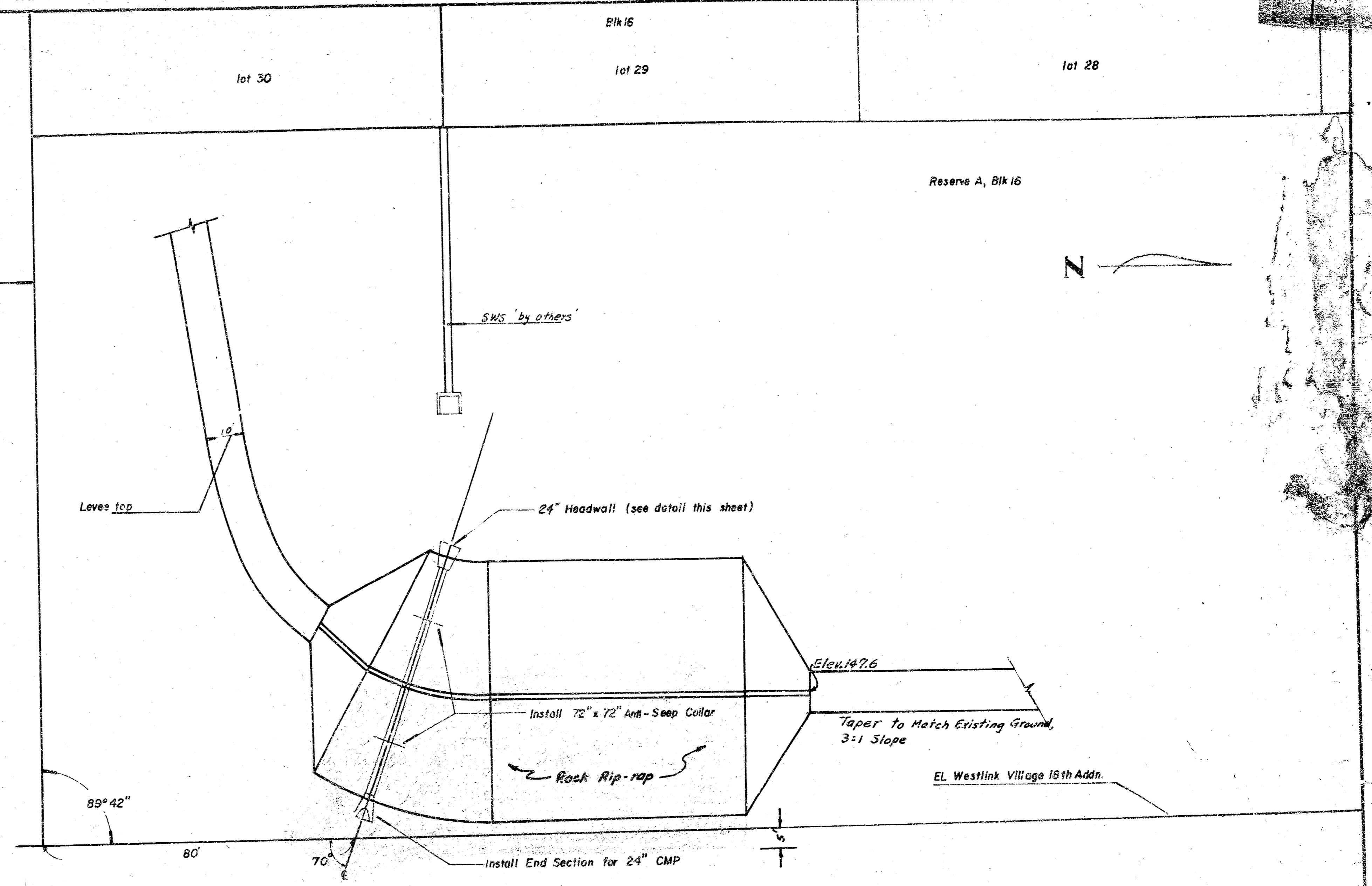
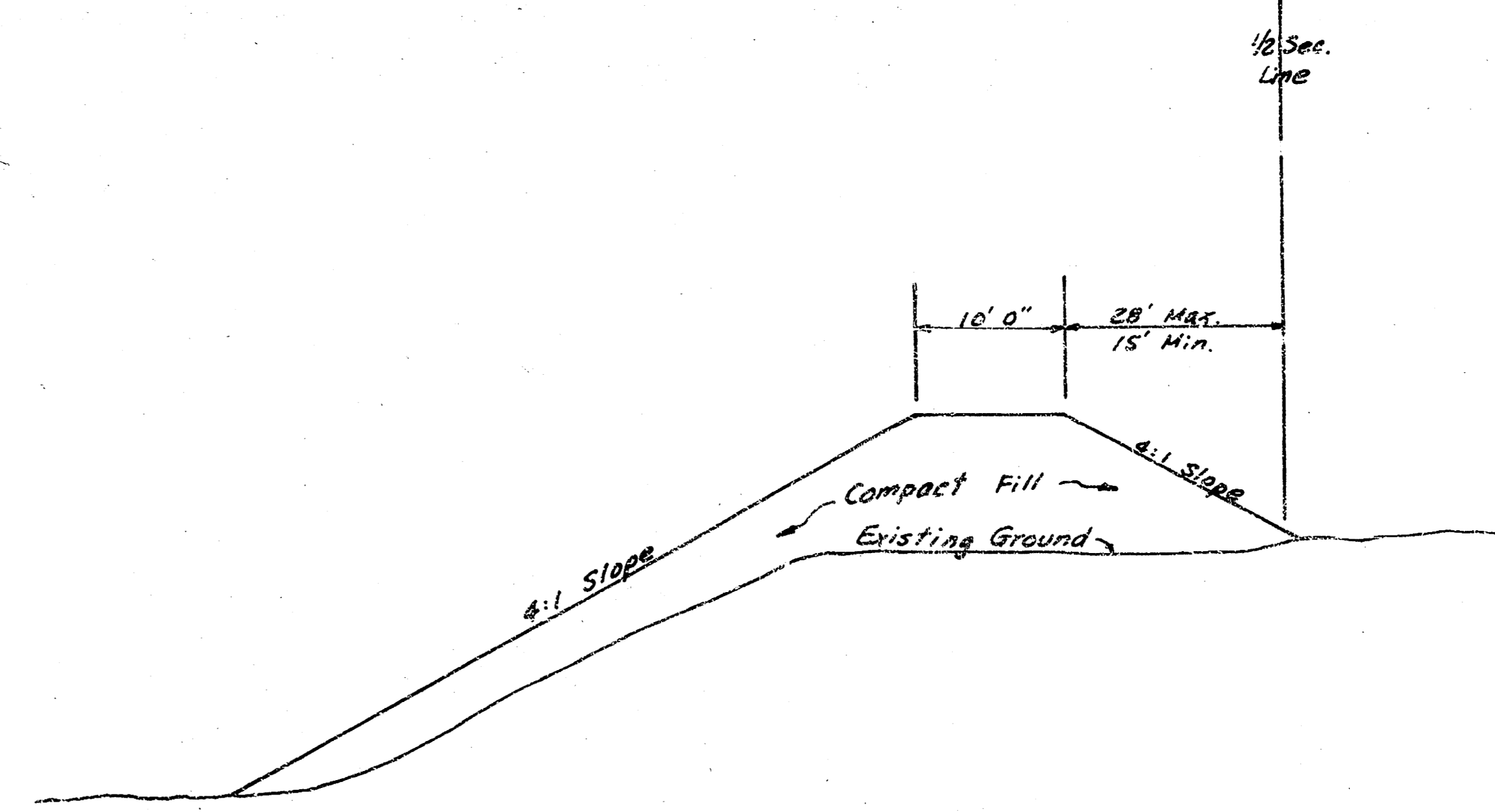
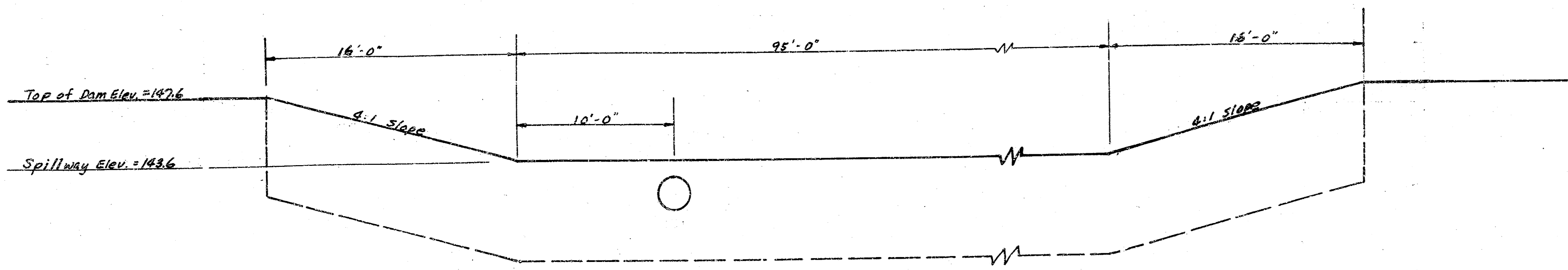


Table of Quantities

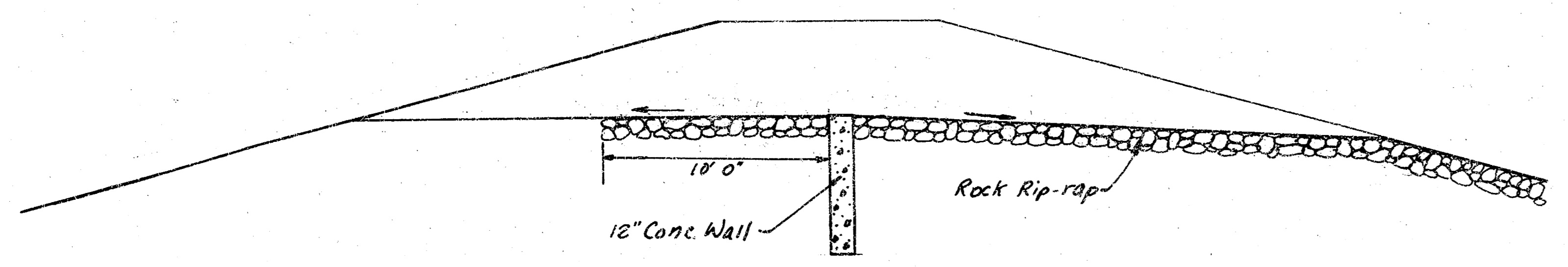
Bar	Number	Length	Shape	Weight
a <sub>1</sub>	1	5'-4"		3.56
a <sub>2</sub>	1	5'-5"		3.62
a <sub>3</sub>	1	5'-6"		3.79
a <sub>4</sub>	1	5'-8"		3.79
a <sub>5</sub>	1	5'-9"		3.84
a <sub>6</sub>	1	5'-9"		3.84
a <sub>7</sub>	1	6'-4"		4.23
b	6	8'-9"		35.07
c	2	5'-4"		12.00
d	3	5'-0"		10.02
e	3	3'-9"		7.52
f	2	3'-0"		4.01
Total rebar, lbs				95.24
Concrete, cy				1.61



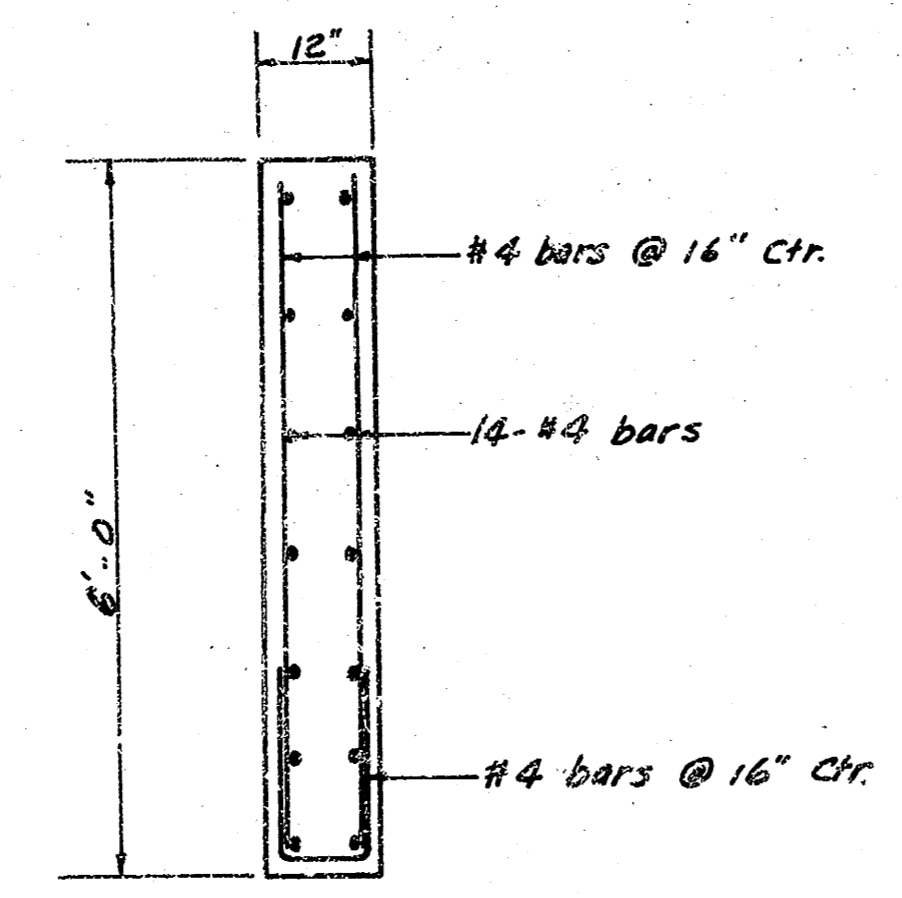
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Typical Section of Dam

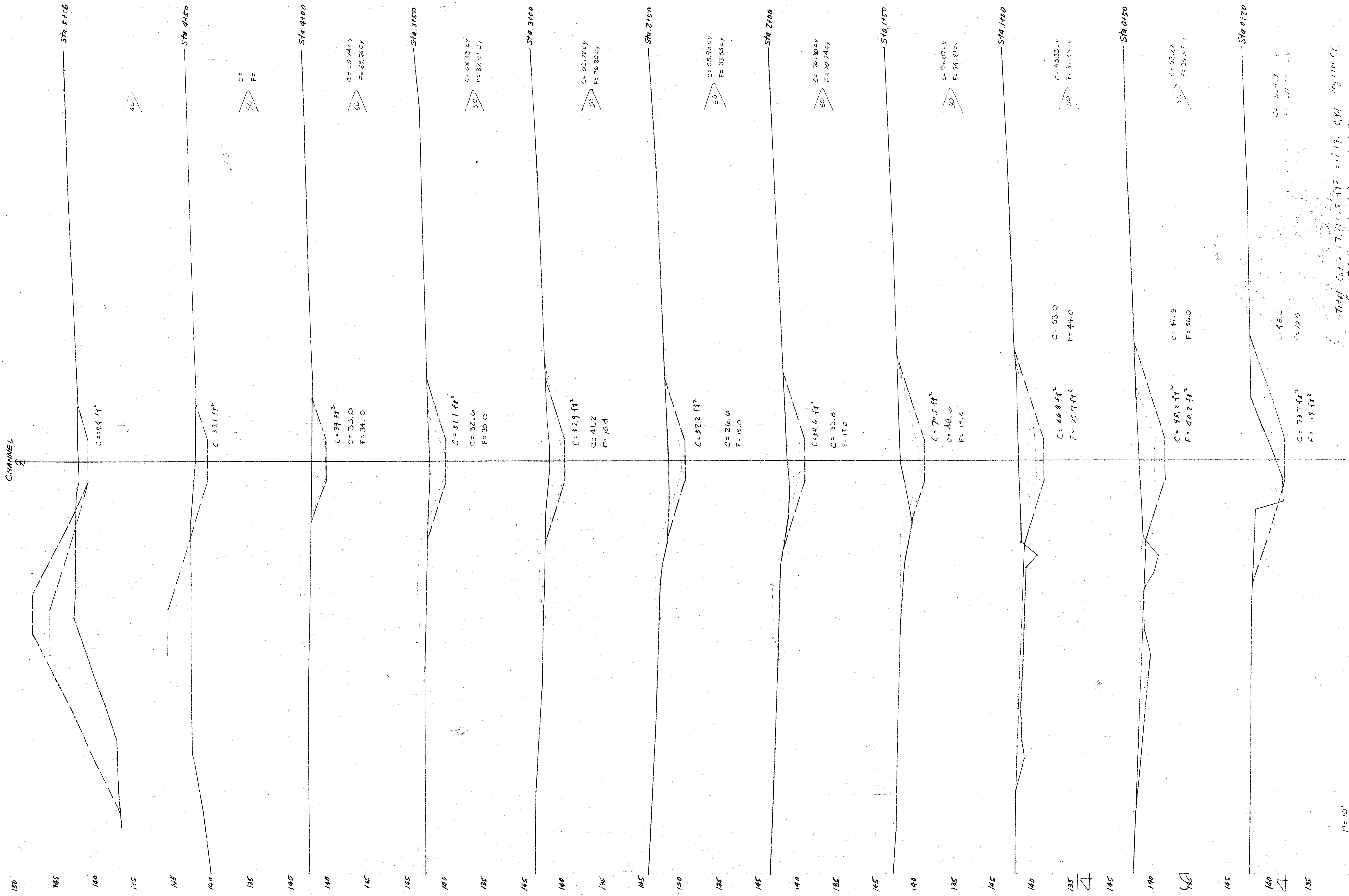


Cross Section @ E of Spillway  
 Scale: 1" = 5'



Conc. Wall Detail  
 Scale: 1/8" = 1'

DETENTION RESERVOIR NO. 10  
 PROJECT NO. 468 76 245 81092 000 000 001  
 DEPARTMENT OF ENGINEERING  
 CITY OF WICHITA, KANSAS  
 R.W. BRUGGEMAN, DIRECTOR OF ENGINEERING/  
 CITY ENGINEER  
 DATE: 7/5



C = 6.47  
 F = 376.11 cfs  
 Total C.A. = 47,810.5 ft² = 16.19 cfs  
 Compact Fill = 280,615 ft³ = 108 cfs  
 Compact Fill for Spillway = 400 cfs  
 Total 560 cfs

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