

LAKE CONTROL & OUTLET WORKS

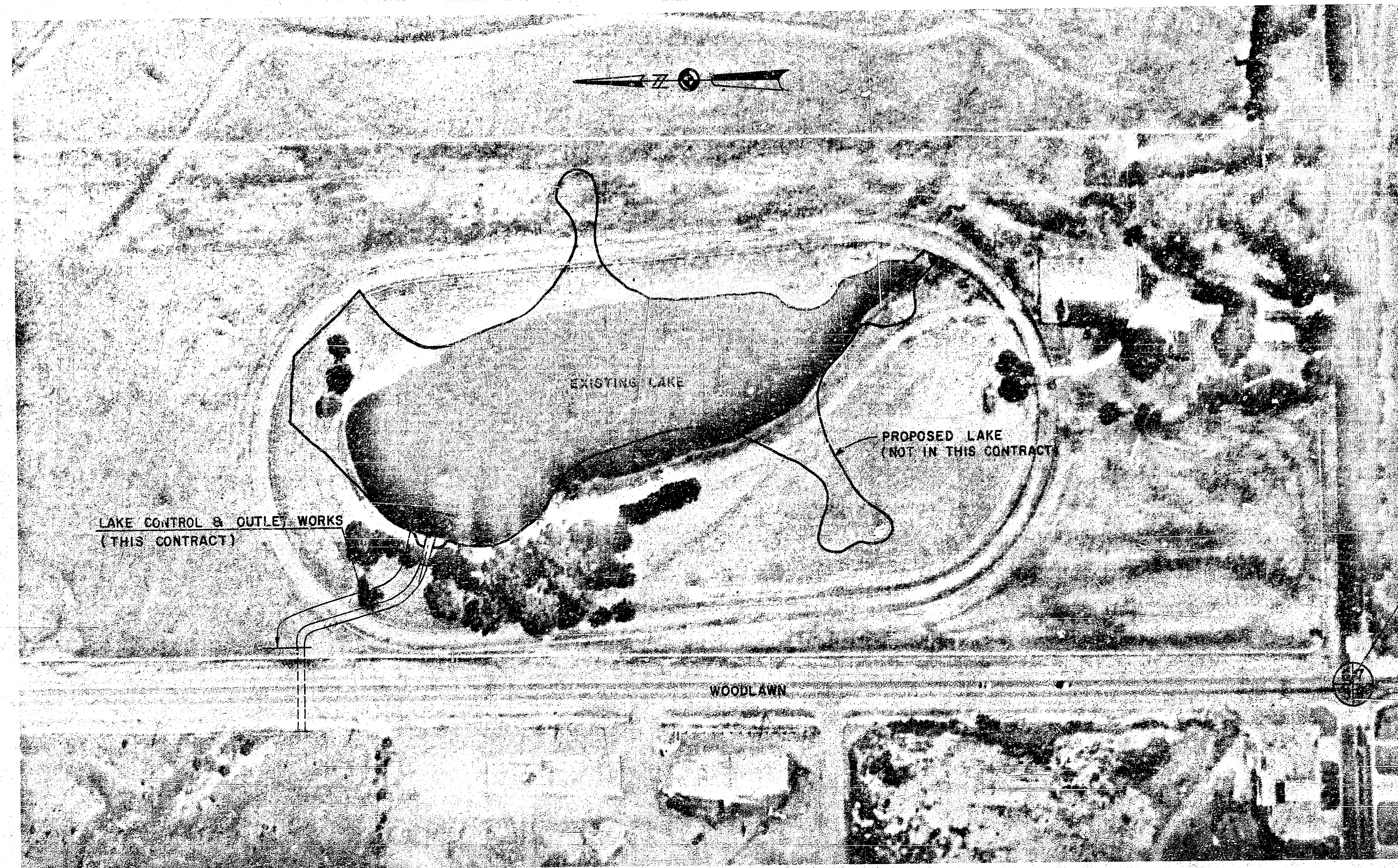
COMOTARA FIRST ADDITION

Wichita, Kansas

Jack P. DeBoer Associates, Inc.- Owner

240 North Rock Road

Wichita, Kansas

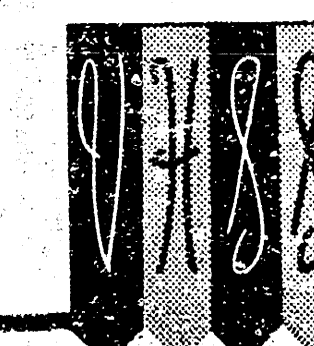


AERIAL LOCATION MAP

INDEX TO DRAWINGS

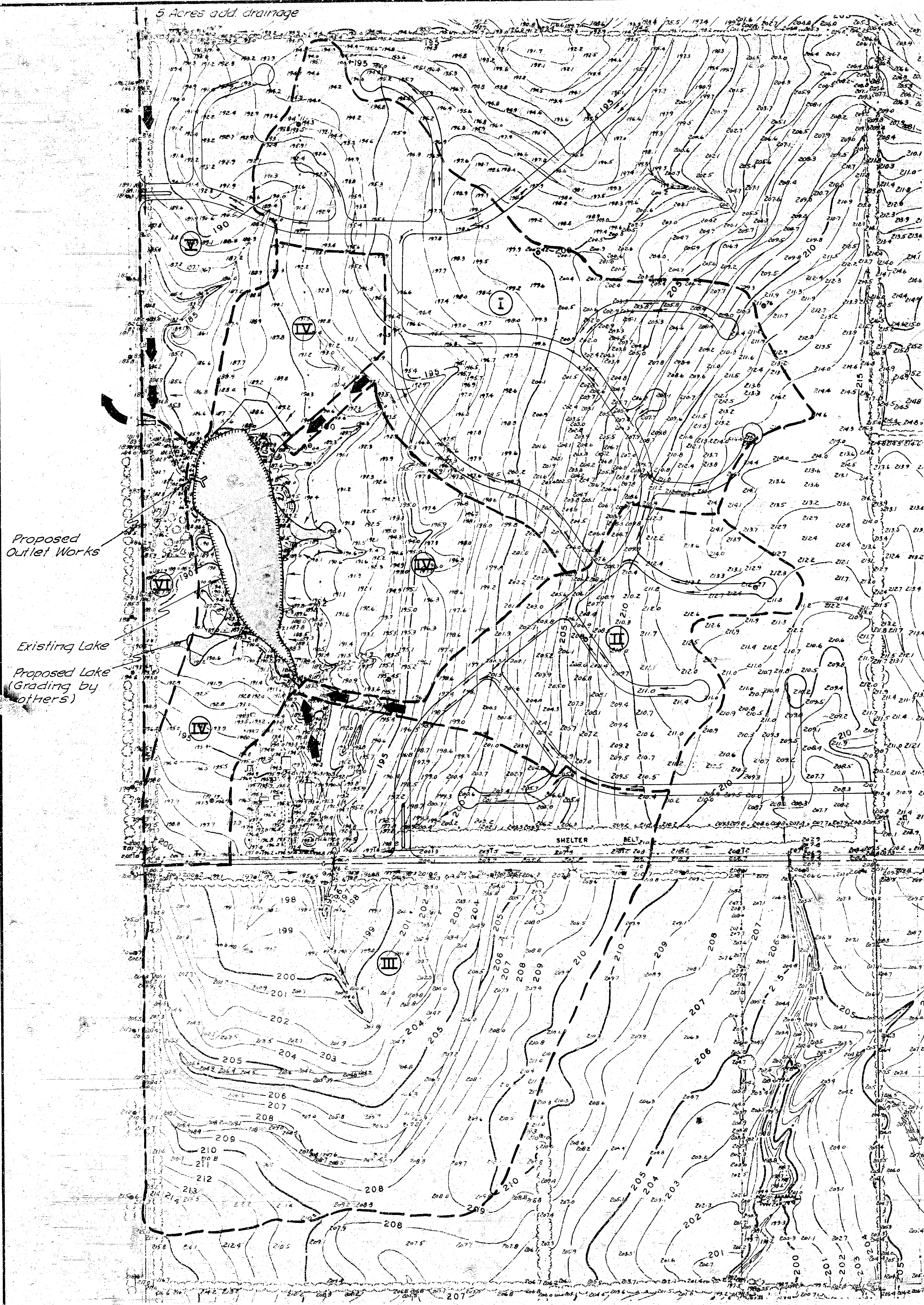
SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	DRAINAGE AREA INFORMATION
3	SITE PLAN
4	PROFILE AND CROSS SECTIONS
5-6	STRUCTURAL DETAILS

REVISED 10-12-72

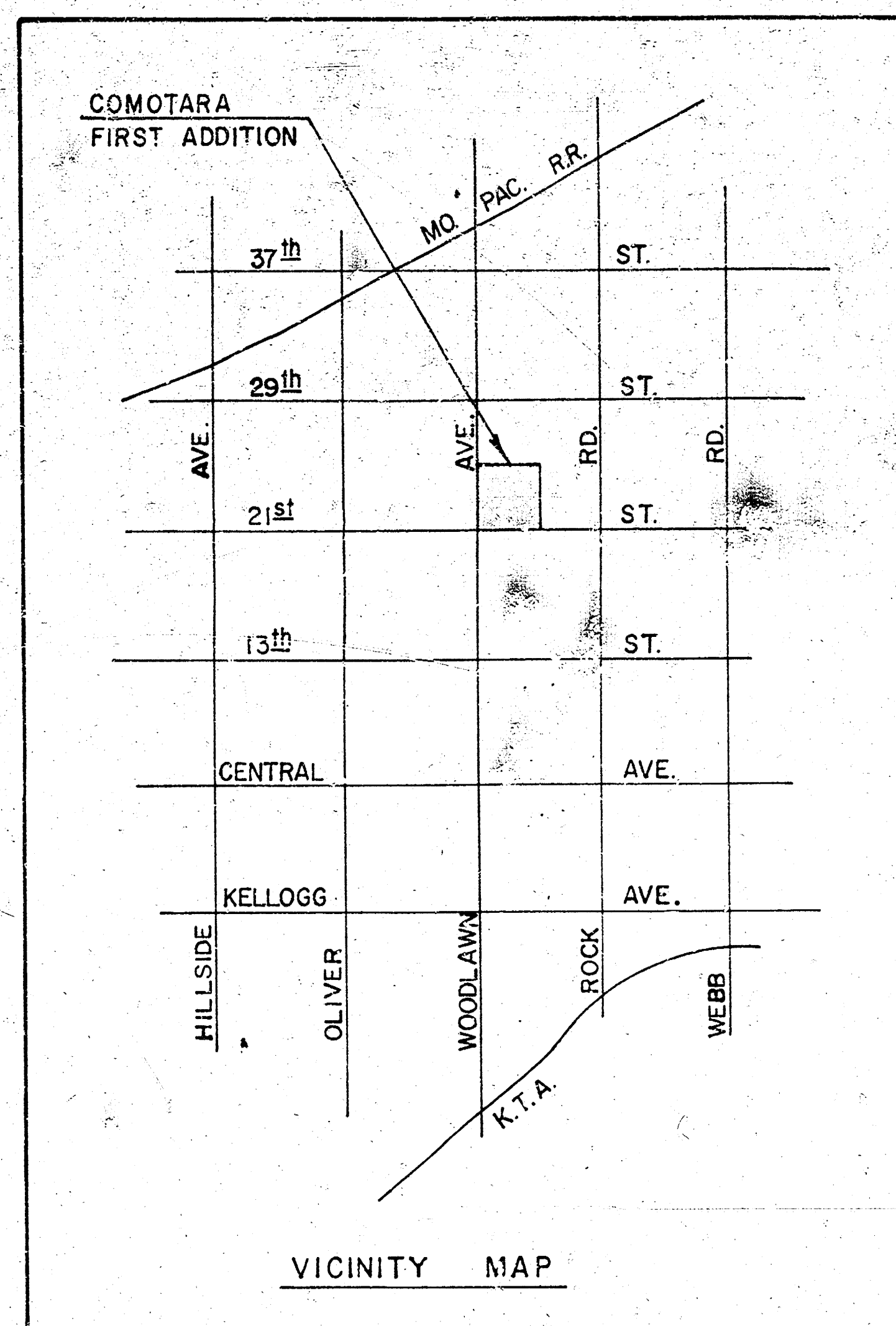


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SHEET
1
OF 6



SCALE: 1"=100'



Drainage Area Characteristics, Summarized in Table I, are based on:

1. Future development in accordance with Community Unit Plan, Comotara, Phase I (First Addition).
2. Future commercial development in subdrainage Area III.
3. Lake Surface Area included in subdrainage Area IV.
 - a. Existing 3 Acres
 - b. Proposed 4 Acres

TABLE I

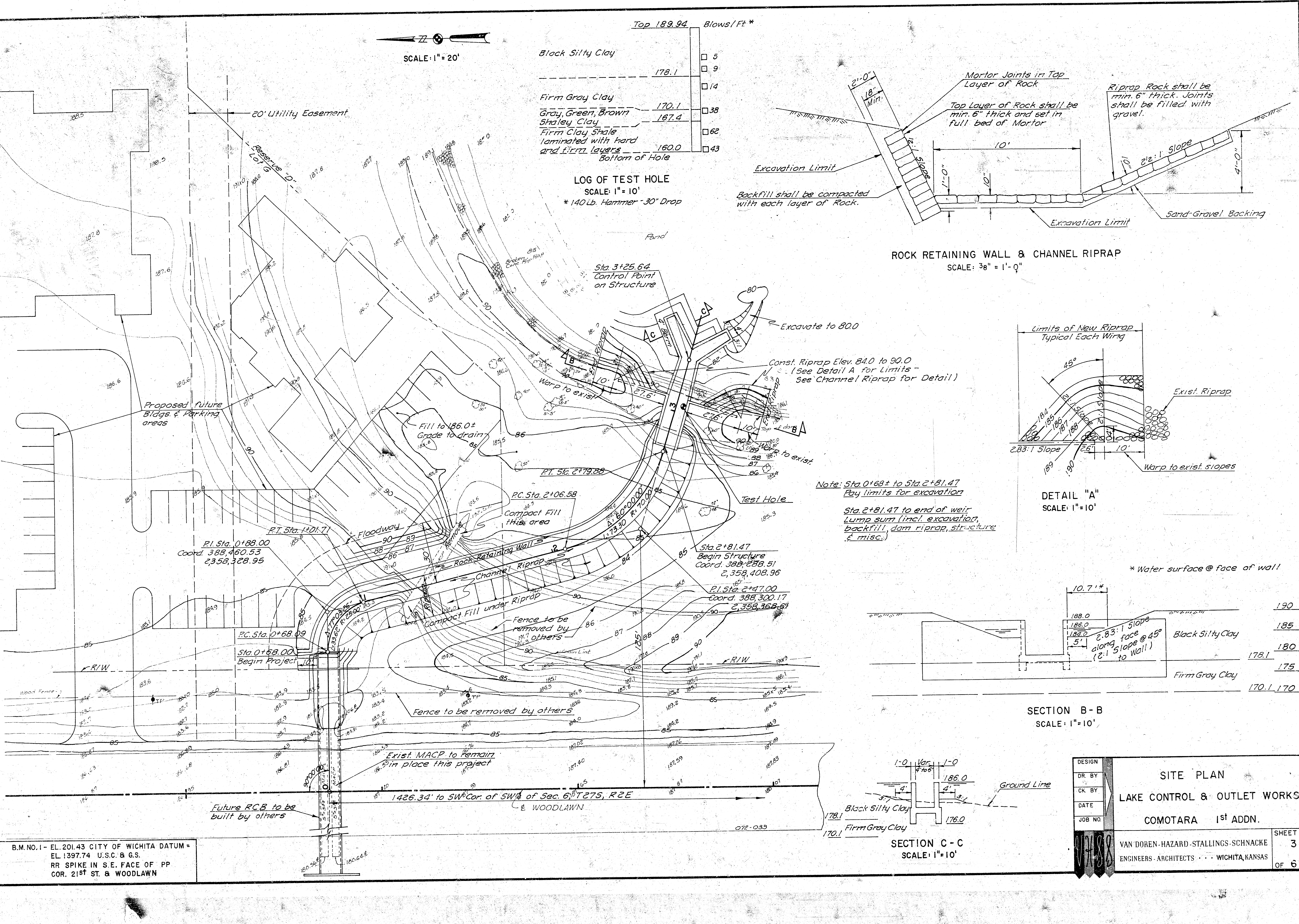
AREA	ROOF & PAVED	GRASS	TOTAL AREA	TIME OF CONCENTRATION (EFFECTIVE)	RUNOFF COEF. "P"
I	7.29 Ac.	23.38 Ac.	30.67 Ac.		
II	3.74 Ac.	11.50 Ac.	15.24 Ac.		
III	33.07 Ac.	17.74 Ac.	50.81 Ac.		
IV	16.00 Ac. (Incl. Lake)	14.74 Ac.	30.74 Ac.		
TOTAL INTO LAKE	60.10 Ac.	67.36 Ac.	127.46 Ac.	30 Min.	0.63
V	5.59 Ac.	10.88 Ac.	16.47 Ac.	30 Min.	0.66
VI	0	3.38 Ac.	3.38 Ac.	10 Min.	0.40

DESIGN
DR. BY
CK. BY
DATE
JOB NO.

DRAINAGE AREA INFORMATION
LAKE CONTROL & OUTLET WORKS
COMOTARA 1st ADDN.

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SHEET
2
OF 6



Top 189.94 Blows/Ft *

Black Silty Clay	5
	9
	14
Firm Gray Clay	38
Gray, Green, Brown Shaley Clay	62
Firm Clay Shale laminated with hard and firm layers	43
Bottom of Hole	

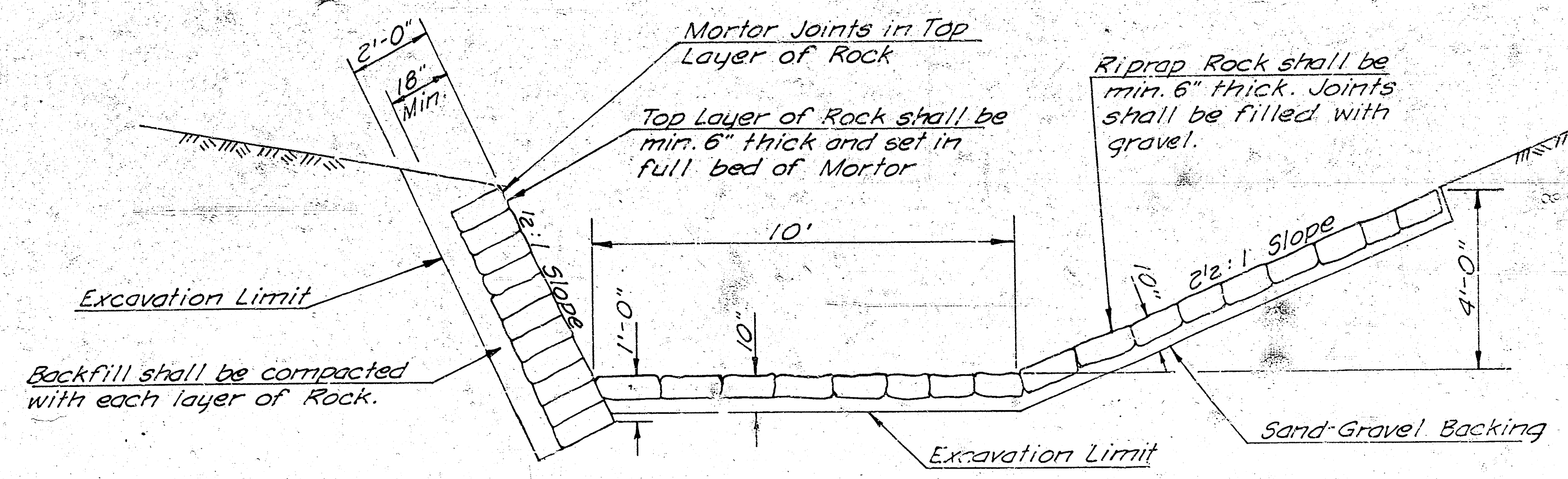
178.1

170.1

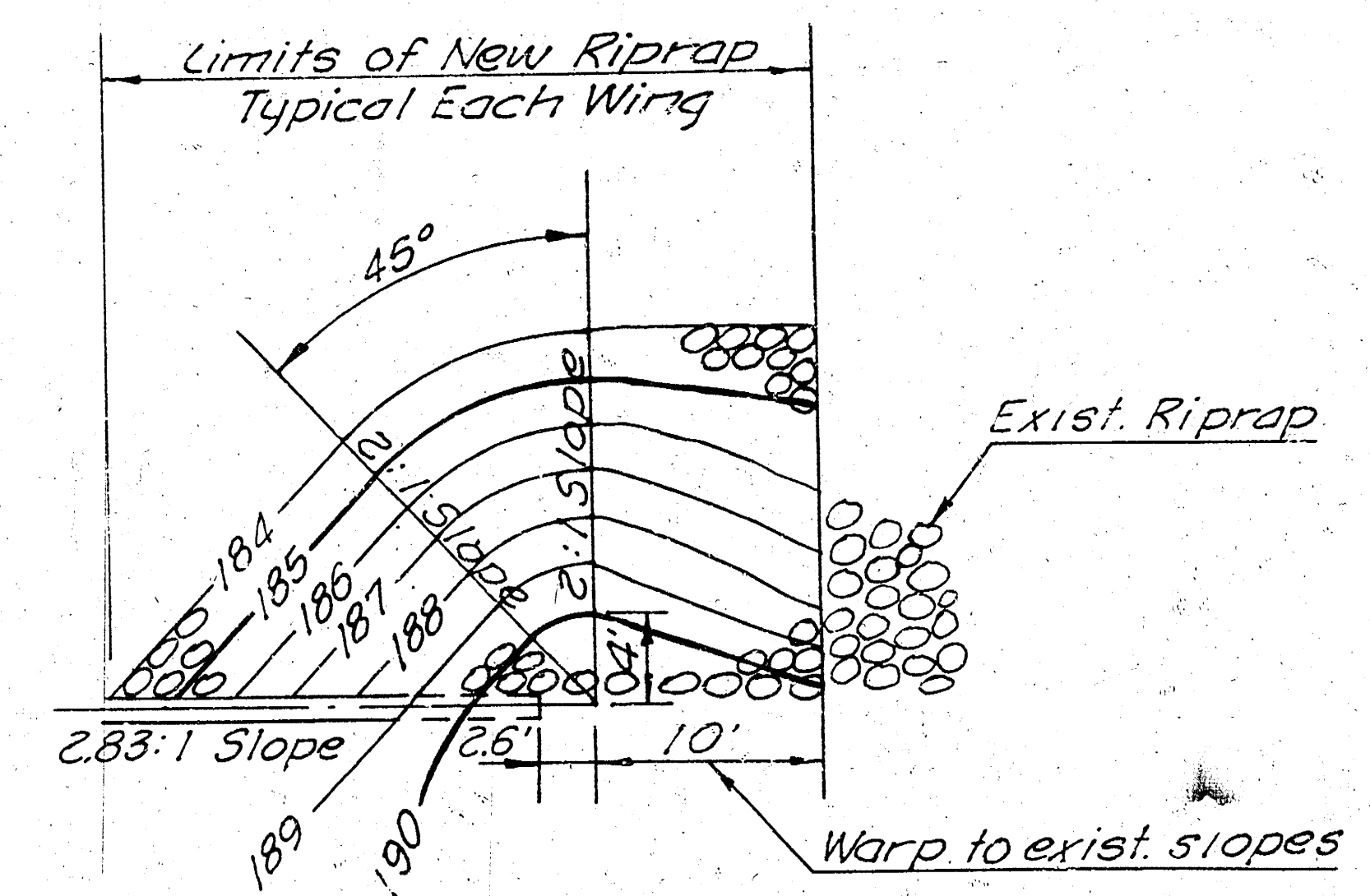
167.4

160.0

LOG OF TEST HOLE
SCALE: 1" = 10'
* 140 Lb. Hammer - 30" Drop

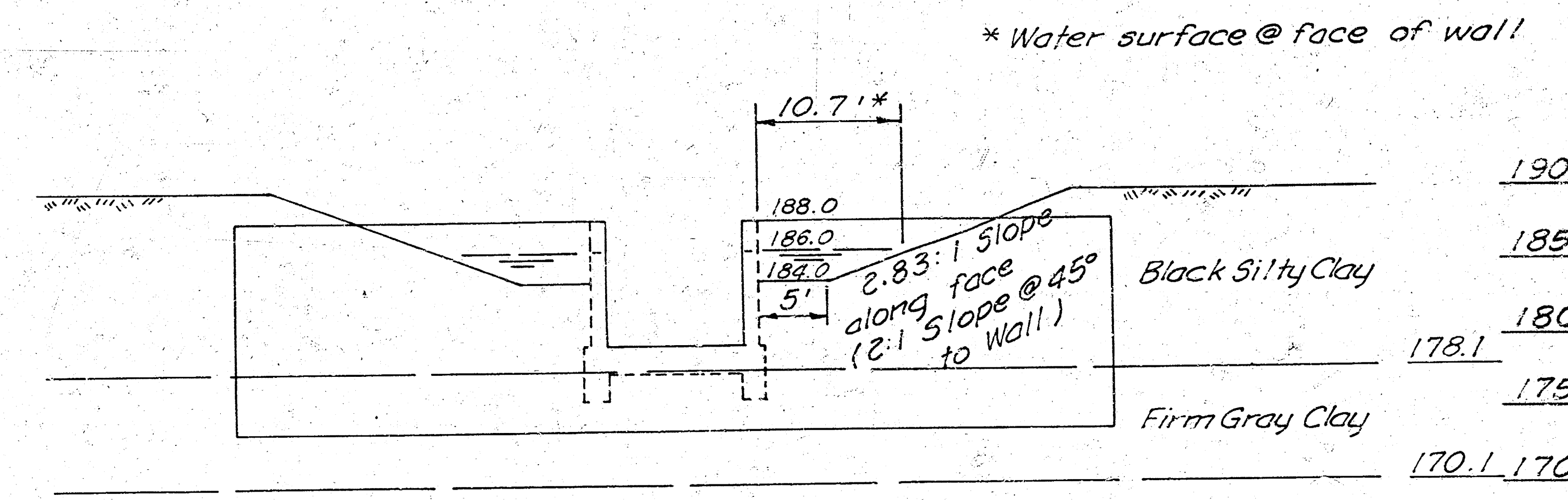


ROCK RETAINING WALL & CHANNEL RIPRAP
SCALE: 3/8" = 1'-0"

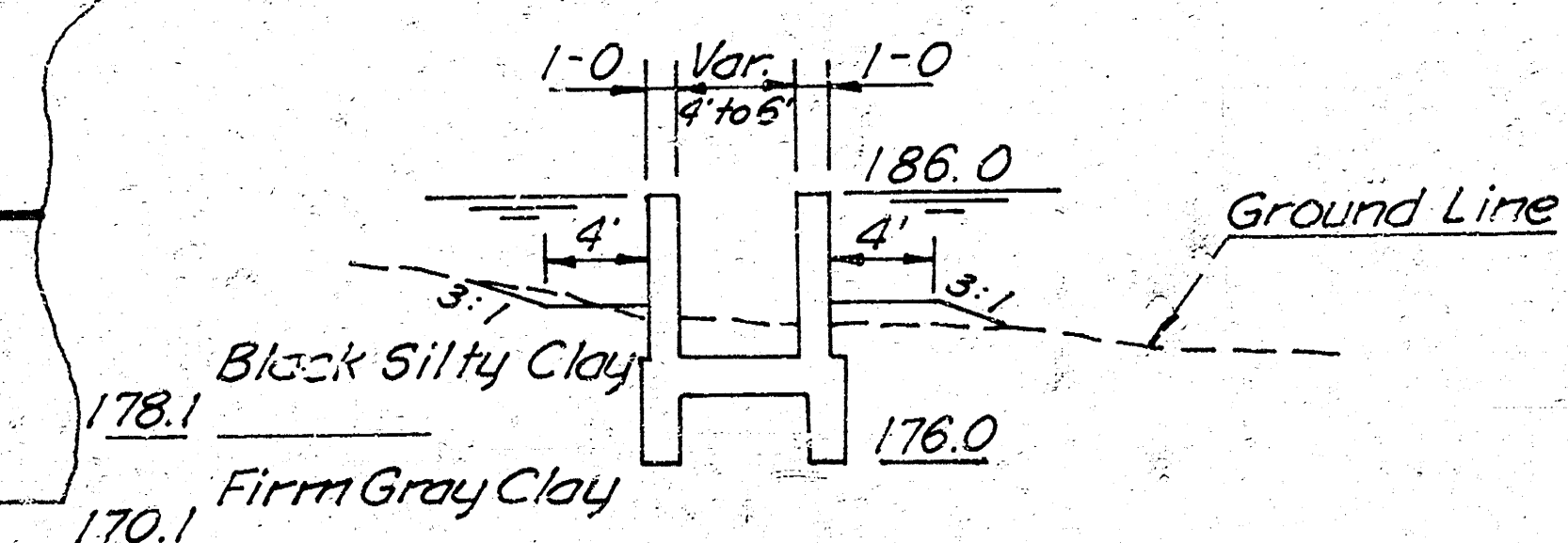


DETAIL "A"
SCALE: 1" = 10'

Note: Sta. 0+68.0 to Sta. 2+81.47
Pay limits for excavation
Sta. 2+81.47 to end of weir
Lump sum (incl. excavation, backfill, dam riprap, structure & misc.)



SECTION B-B
SCALE: 1" = 10'

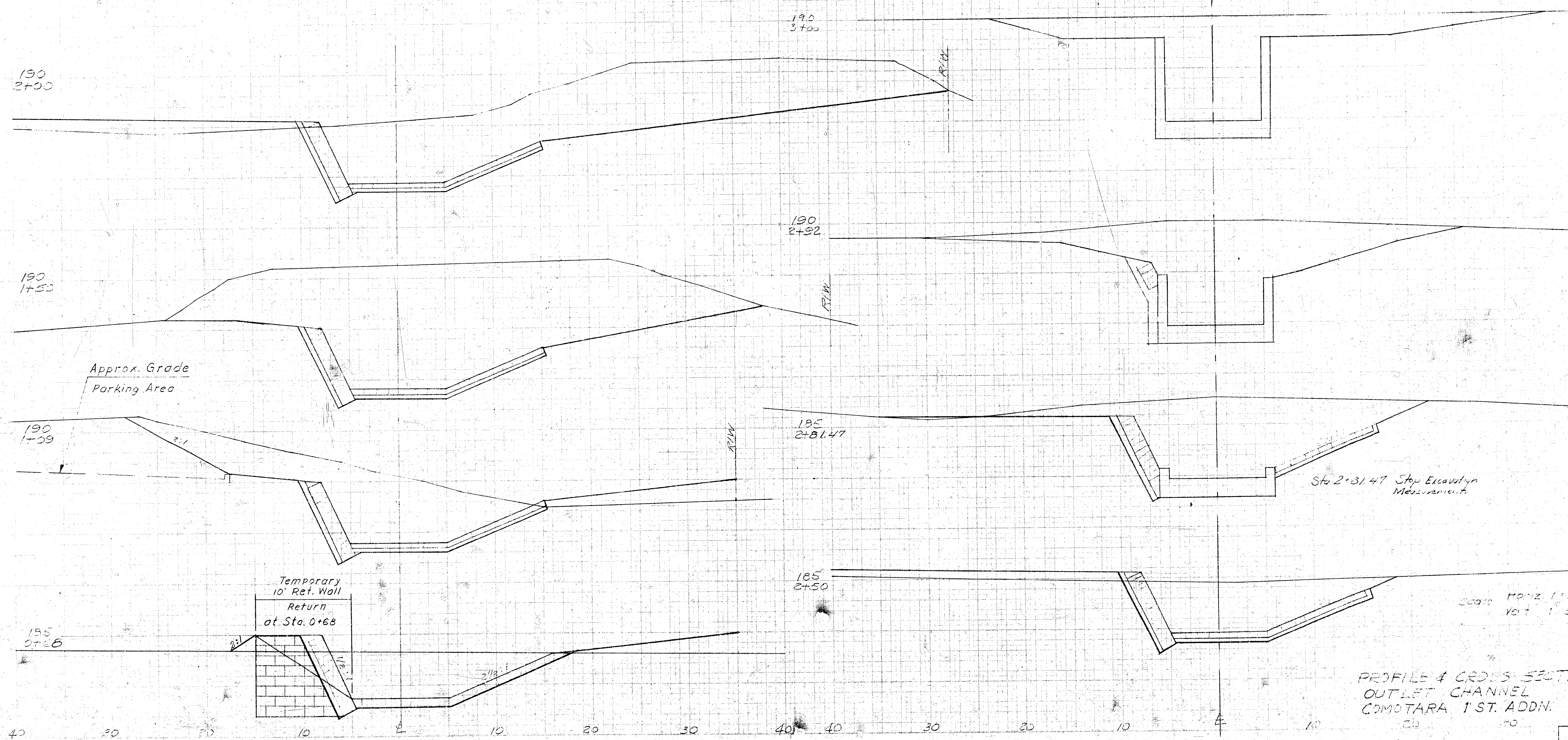
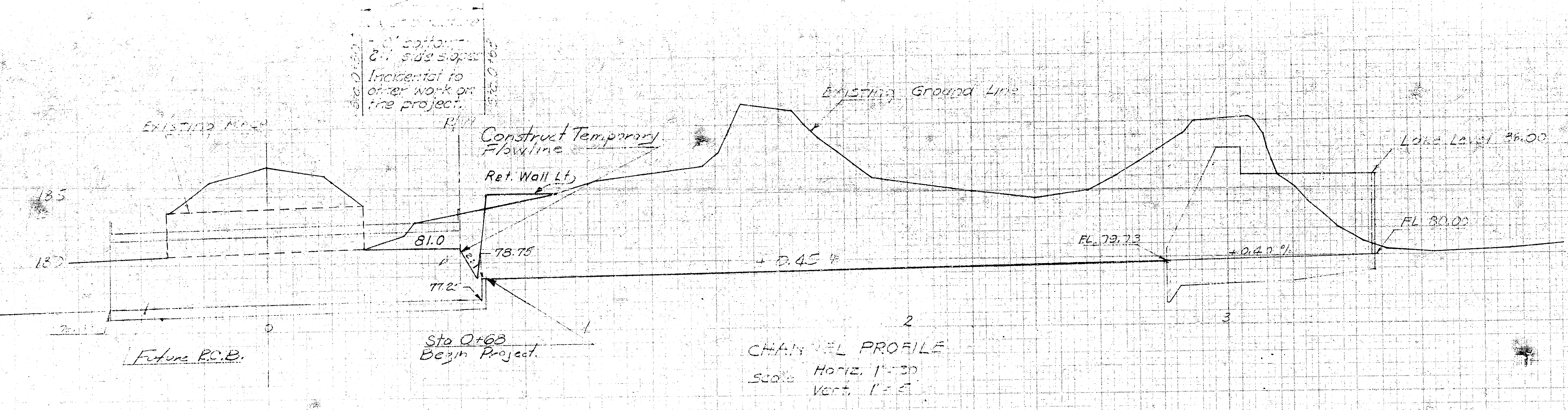


SECTION C-C
SCALE: 1" = 10'

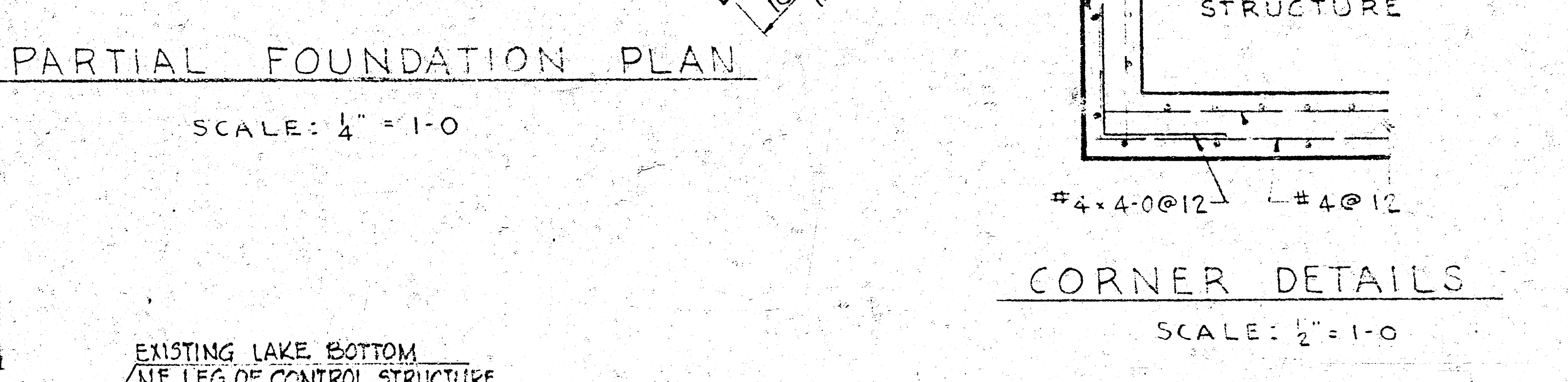
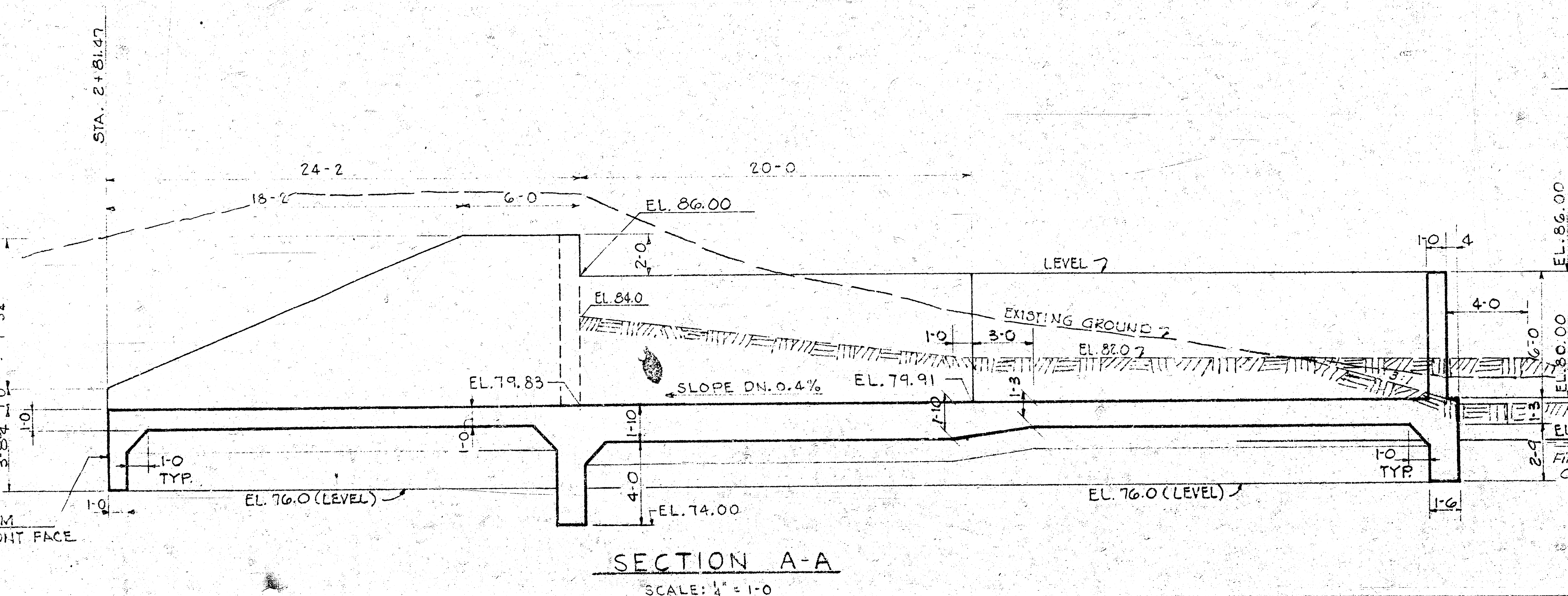
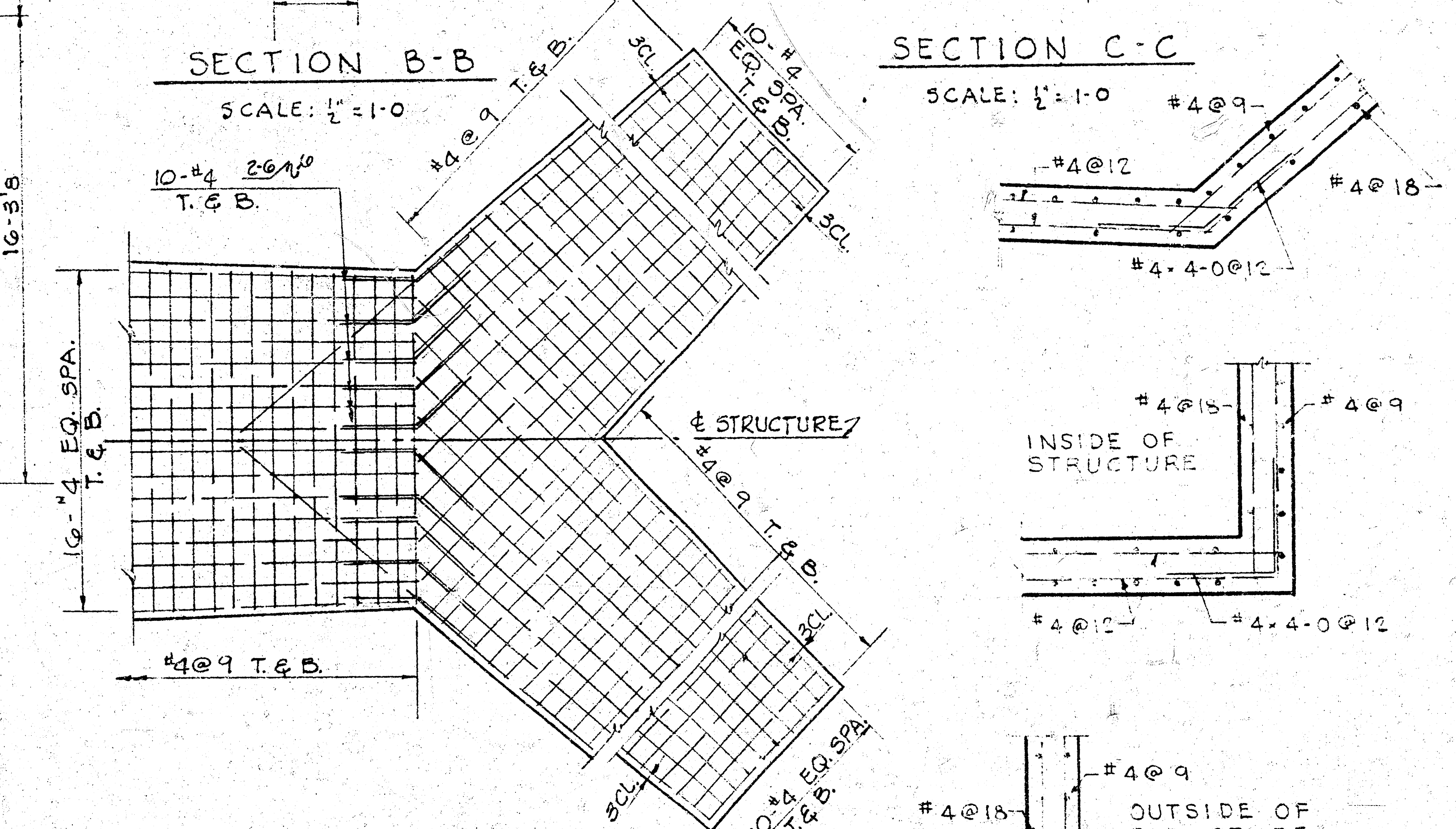
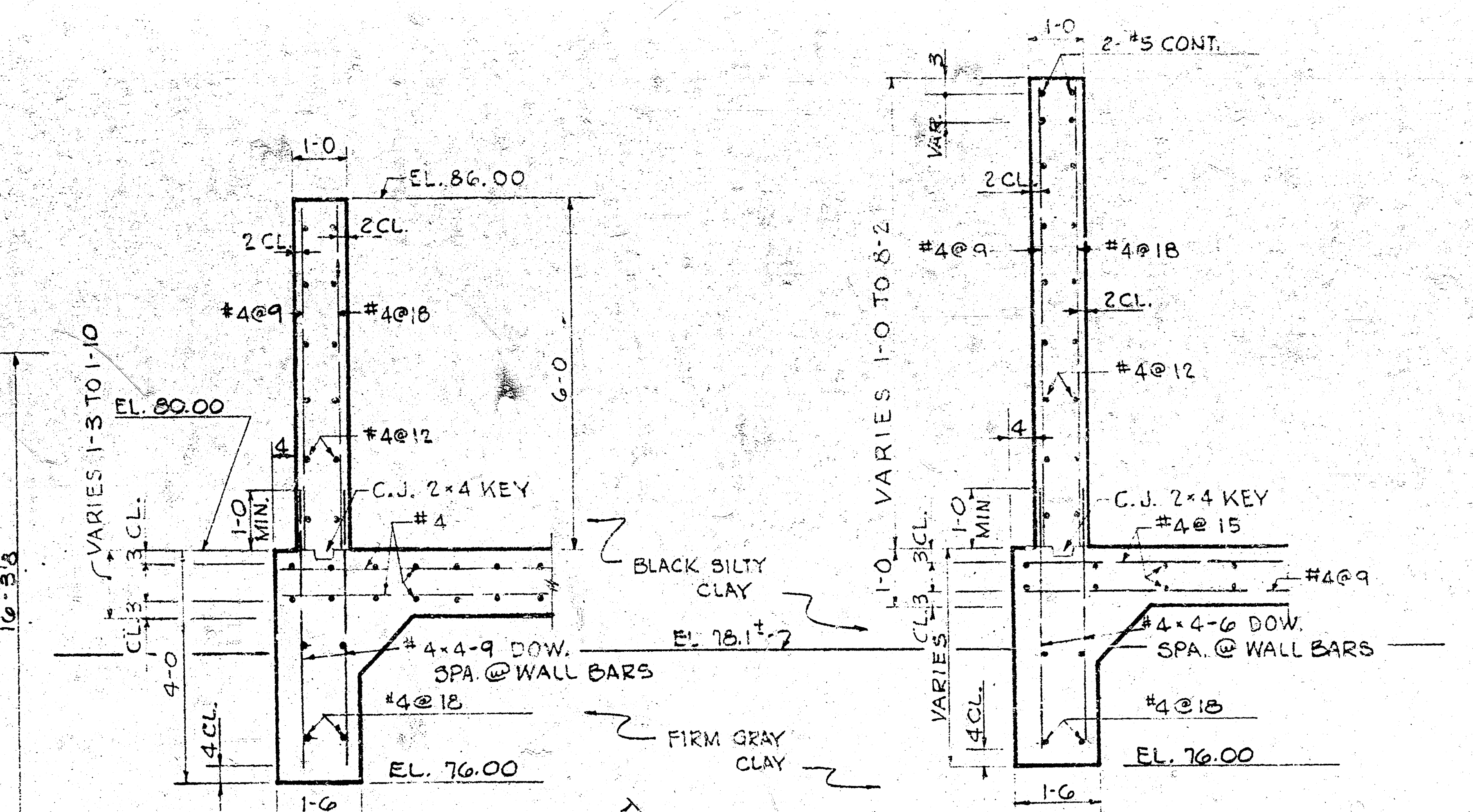
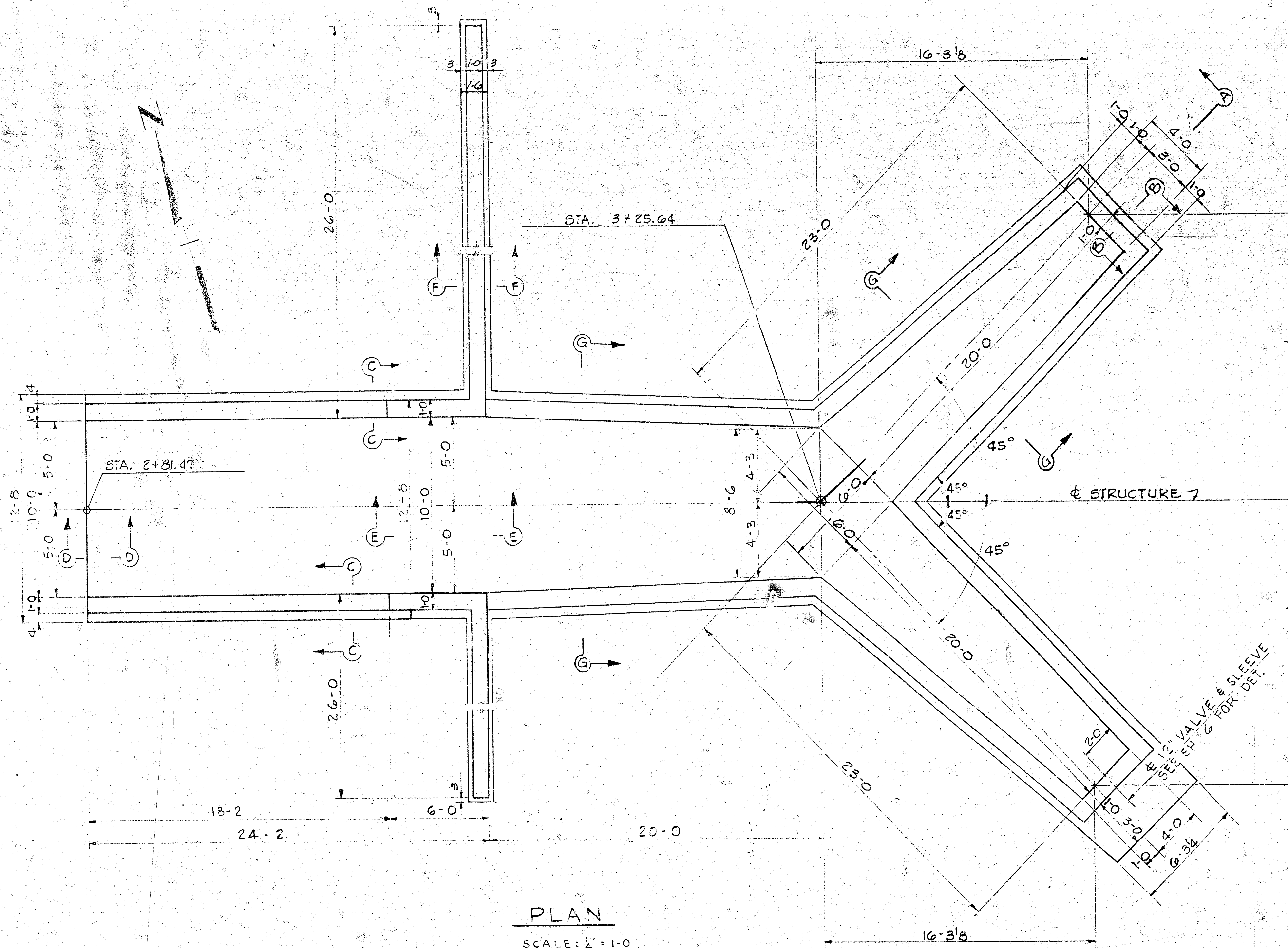
DESIGN		SITE PLAN	
DR. BY		LAKE CONTROL & OUTLET WORKS	
CK. BY		COMOTARA 1st ADDN.	
DATE		VAN DOREN-HAZARD-STALLINGS-SCHNACKE	
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		SHEET	3
		OF	6

B.M. NO. 1 - EL. 201.43 CITY OF WICHITA DATUM =
EL. 1397.74 U.S.C. & G.S.
RR SPIKE IN S.E. FACE OF PP
COR. 21st ST. & WOODLAWN

0' bottom
2' side slope
Incidental to
other work on
the project.



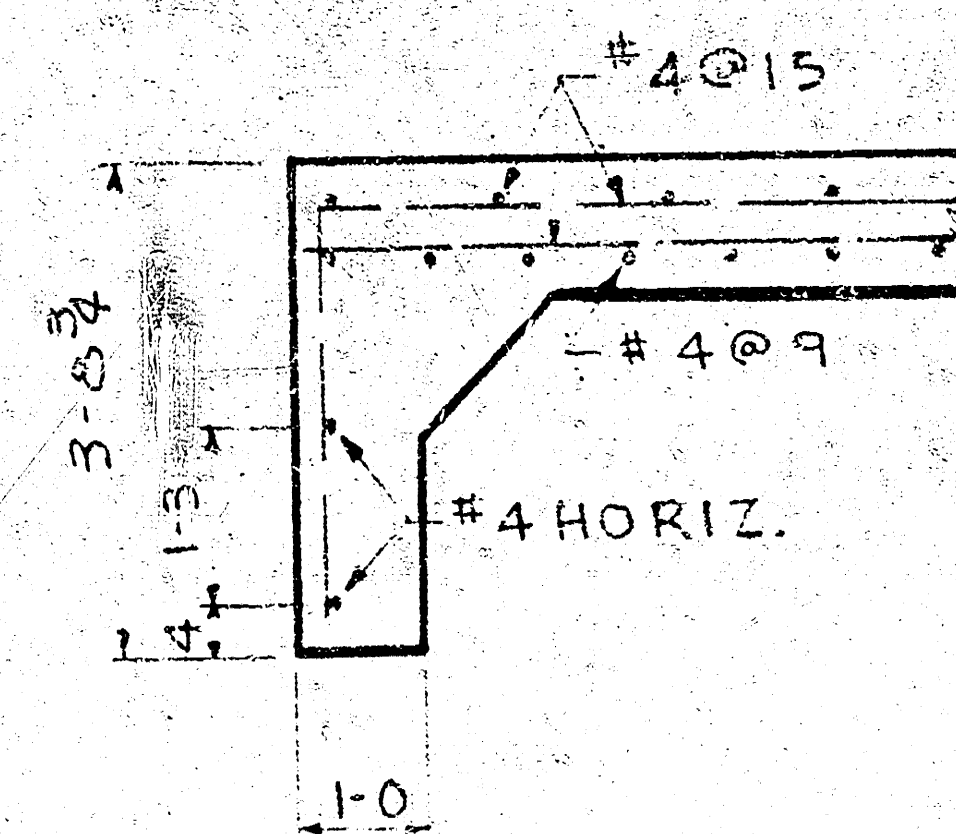
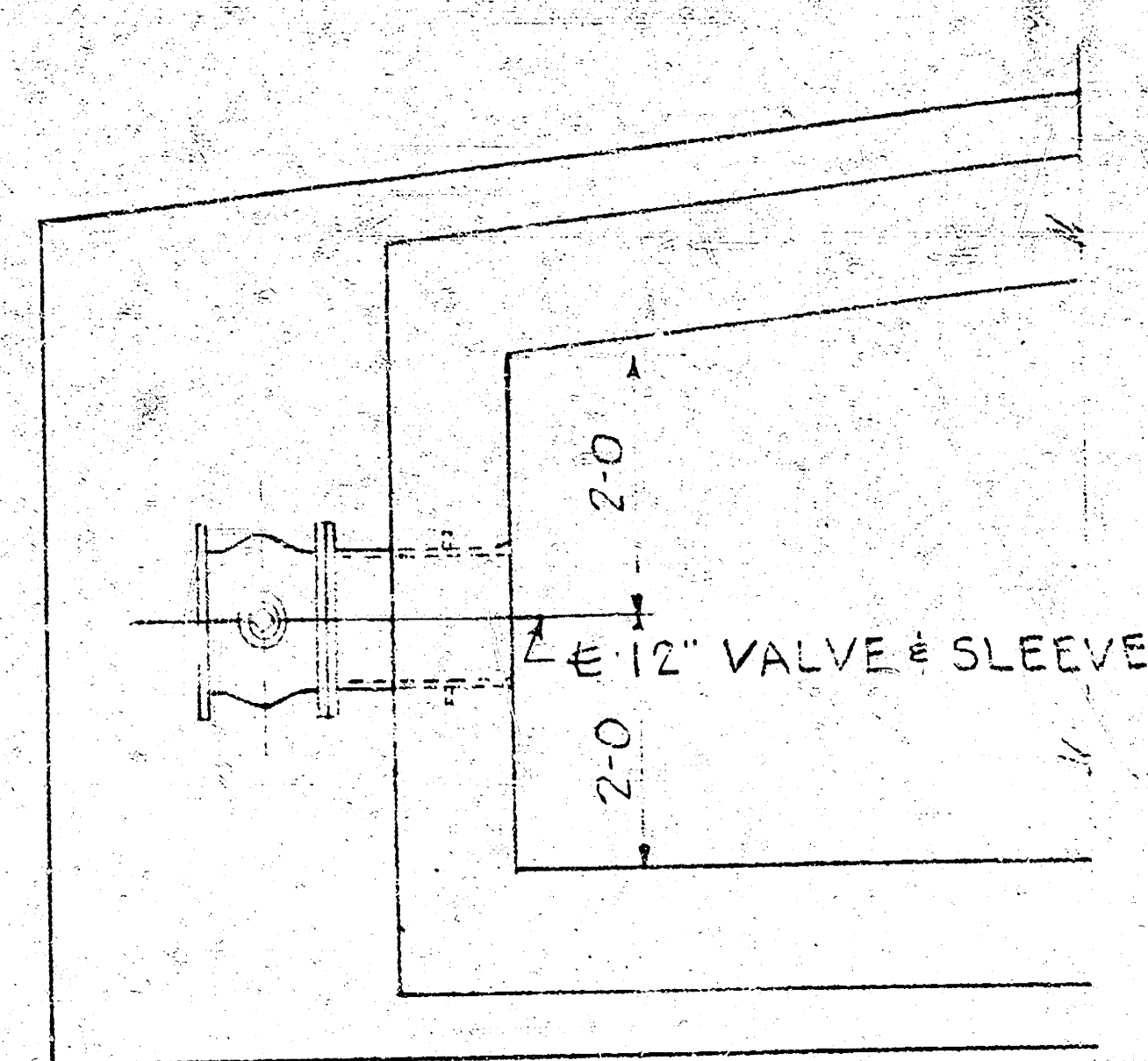
PROFILE & CROSS SECTION
OUTLET CHANNEL
COMOTARA 1 ST. ADDN.



DESIGN JRM	STRUCTURAL DETAILS LAKE CONTROL & OUTLET WORKS COMOTARA 1ST ADDN.
DR. BY JRM	
CK. BY JRM	
DATE 9-27-72	VAN DOREN-HAZARD-STALLINGS-SCHNACKE ENGINEERS-ARCHITECTS • WICHITA, KANSAS
JOB NO.	
SHEET 5 OF	

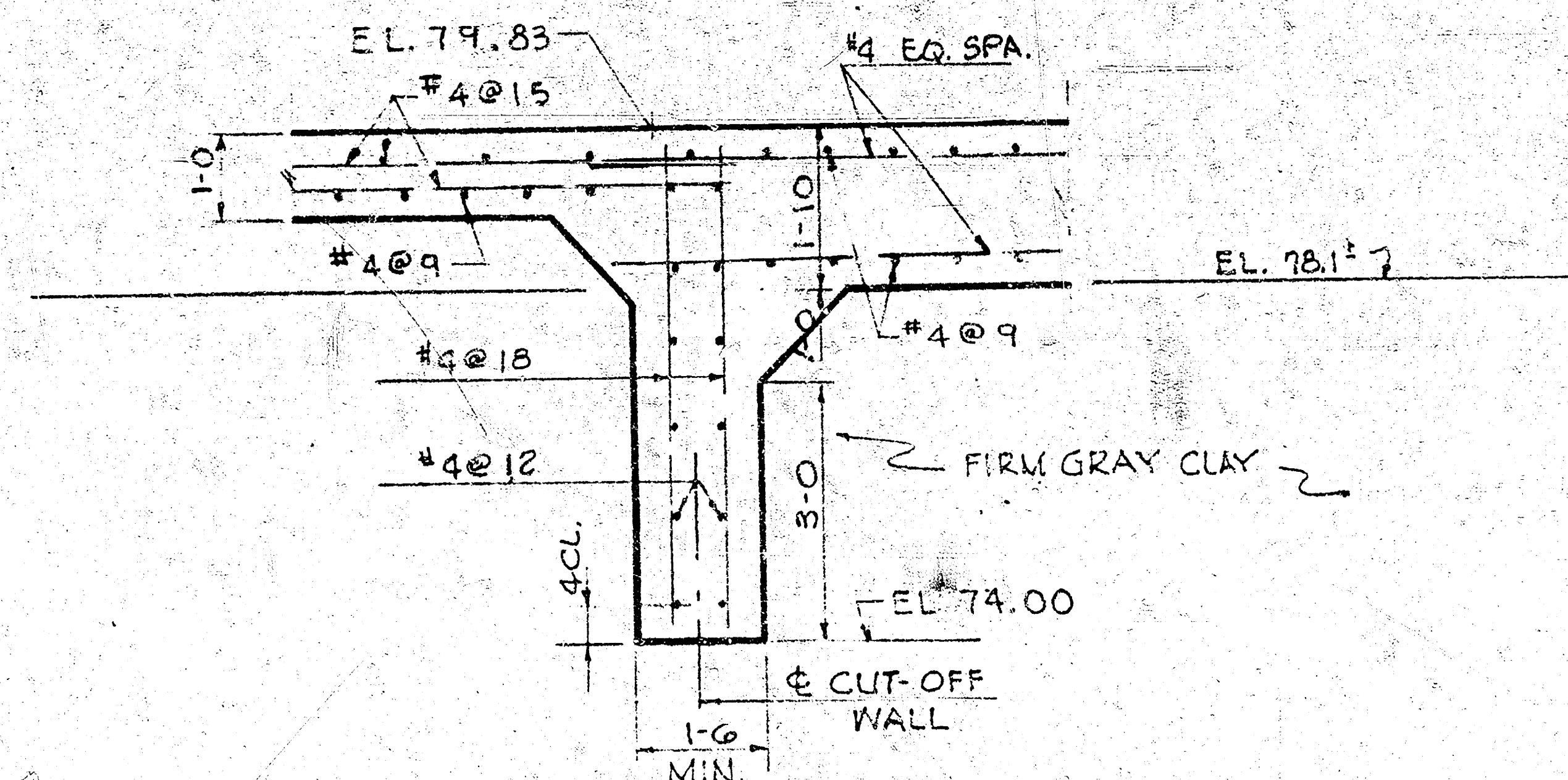
GENERAL NOTES

1. UNIT STRESSES: $f_c = 4,000 \text{ psi}$; $f_s = 20,000 \text{ psi}$.
2. CONCRETE: BEVEL ALL EXPOSED EDGES WITH A $\frac{3}{4}$ " TRIANGULAR MOLDING UNLESS OTHERWISE NOTED.
3. REINFORCING STEEL: ALL DIMENSIONS RELATIVE TO REINFORCING STEEL ARE TO CENTERLINE OF BAR UNLESS OTHERWISE NOTED.
4. FORMS: FORMS SHALL BE REQUIRED ABOVE THE BOTTOM OF THE SLAB OR AS NOTED ON THE PLANS. WHERE FORMS ARE OPTIONAL AND CONCRETE IS PLACED DIRECTLY AGAINST UNDISTURBED EARTH, THE EXCAVATION SHALL BE CUT TO NEAT LINES CONFORMING TO THE DIMENSIONS AS SHOWN ON THE DRAWING.



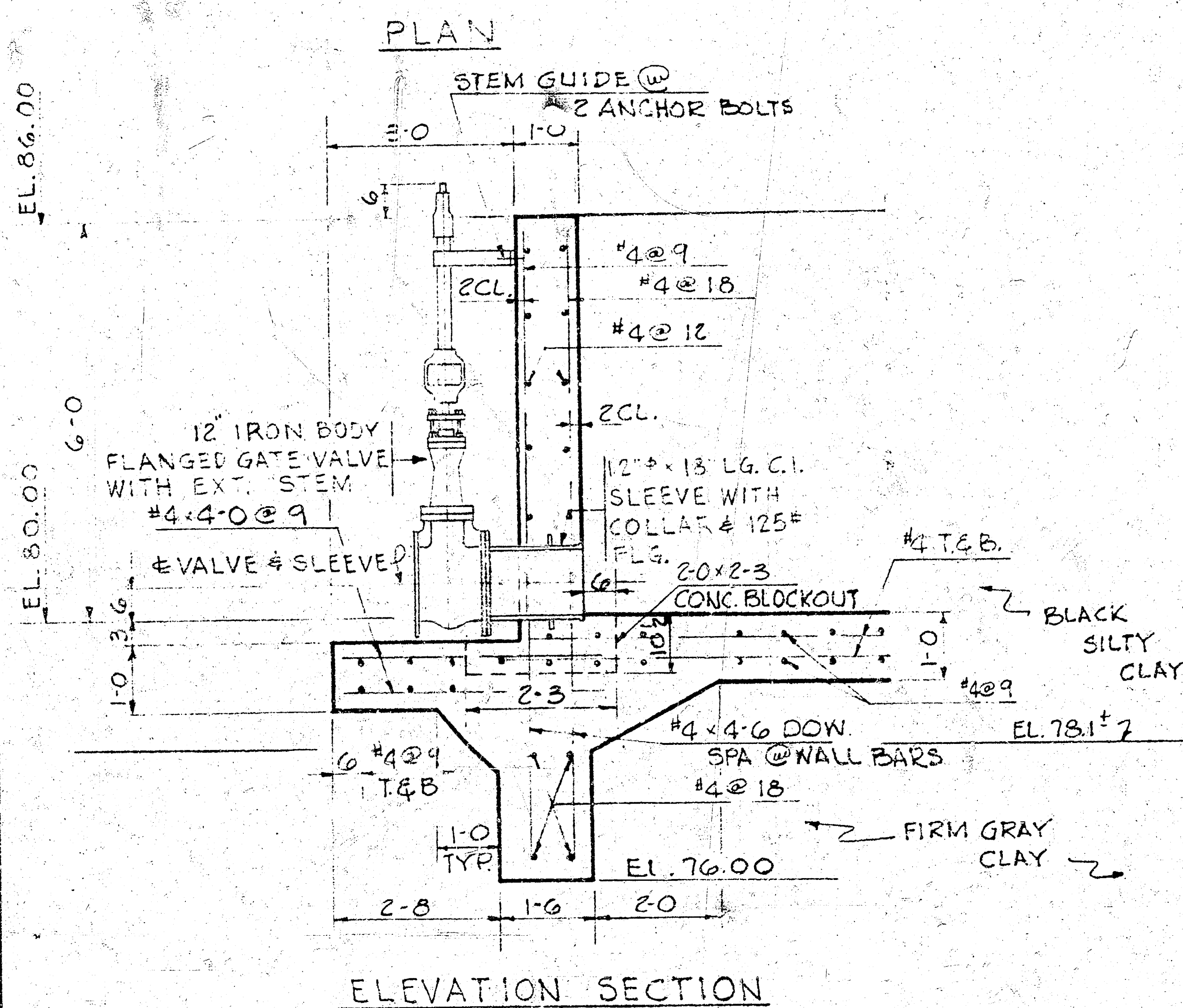
SECTION D-D

SCALE: $\frac{1}{2}$ " = 1'-0"



SECTION E-E

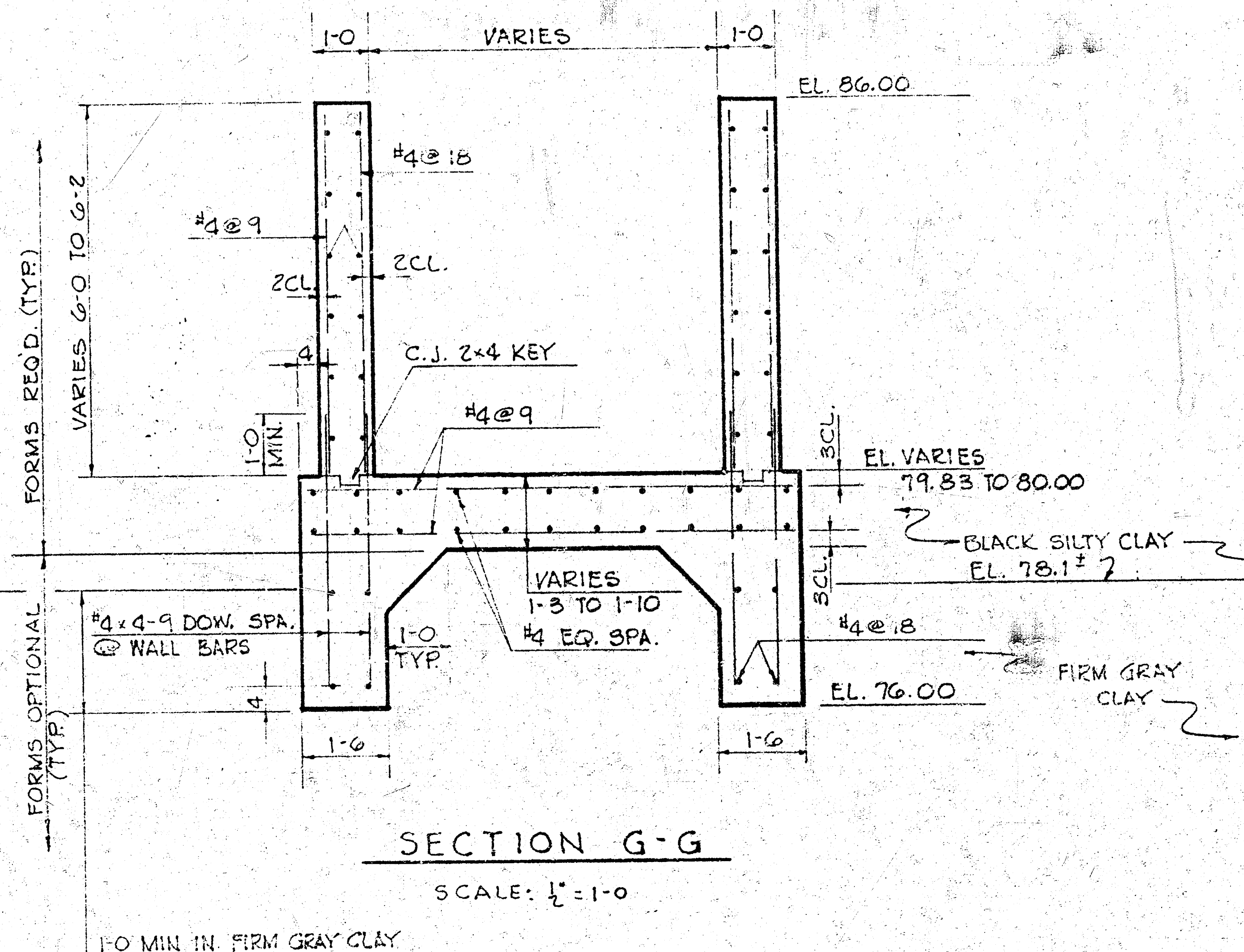
SCALE: $\frac{1}{2}$ " = 1'-0"



ELEVATION SECTION

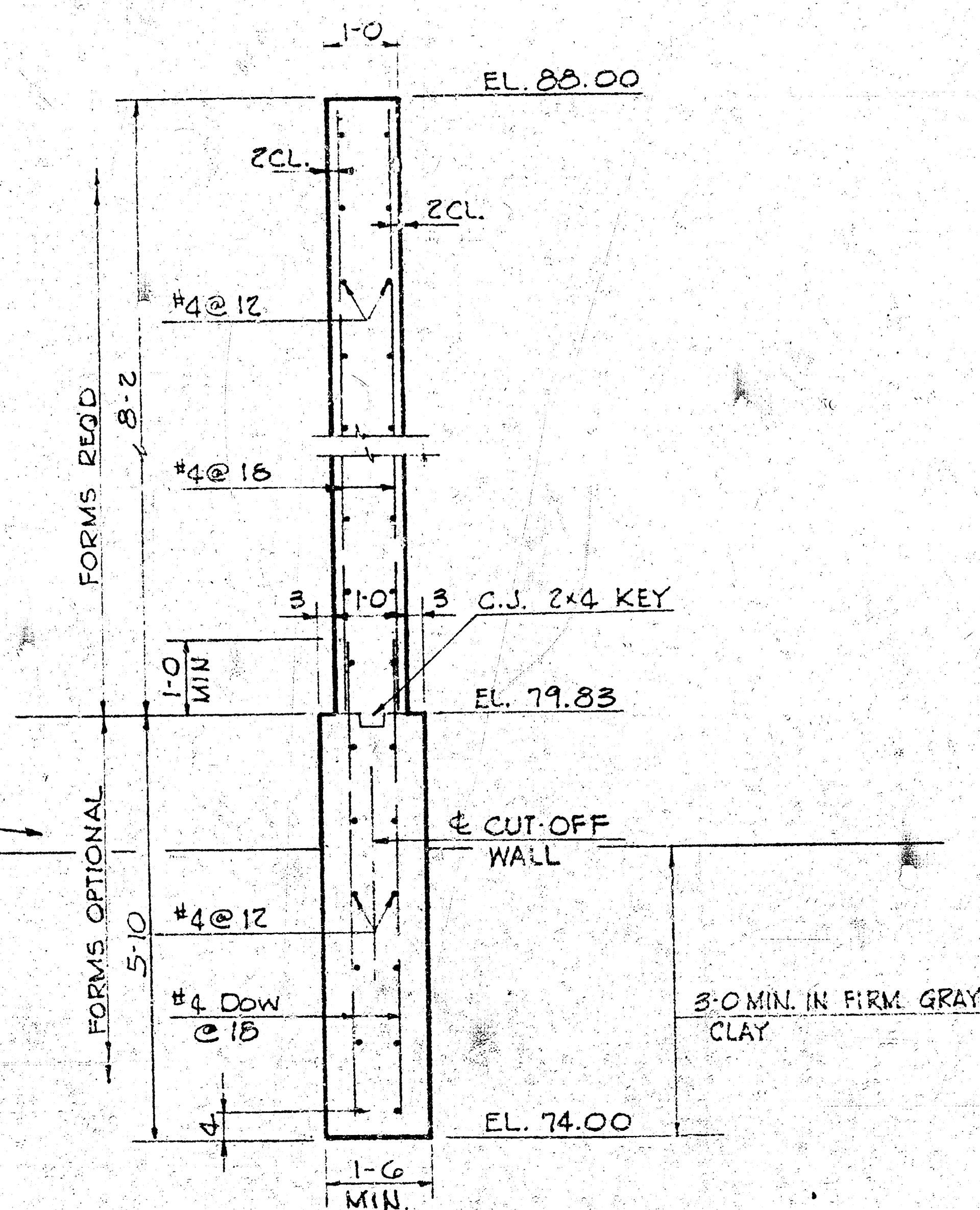
DRAINAGE VALVE DETAIL

SCALE: $\frac{1}{2}$ " = 1'-0"



SECTION G-G

SCALE: $\frac{1}{2}$ " = 1'-0"



SECTION F-F

SCALE: $\frac{1}{2}$ " = 1'-0"

DESIGN
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STRUCTURAL DETAILS
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COMOTARA 1ST ADDN.

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SHEET
6
OF