

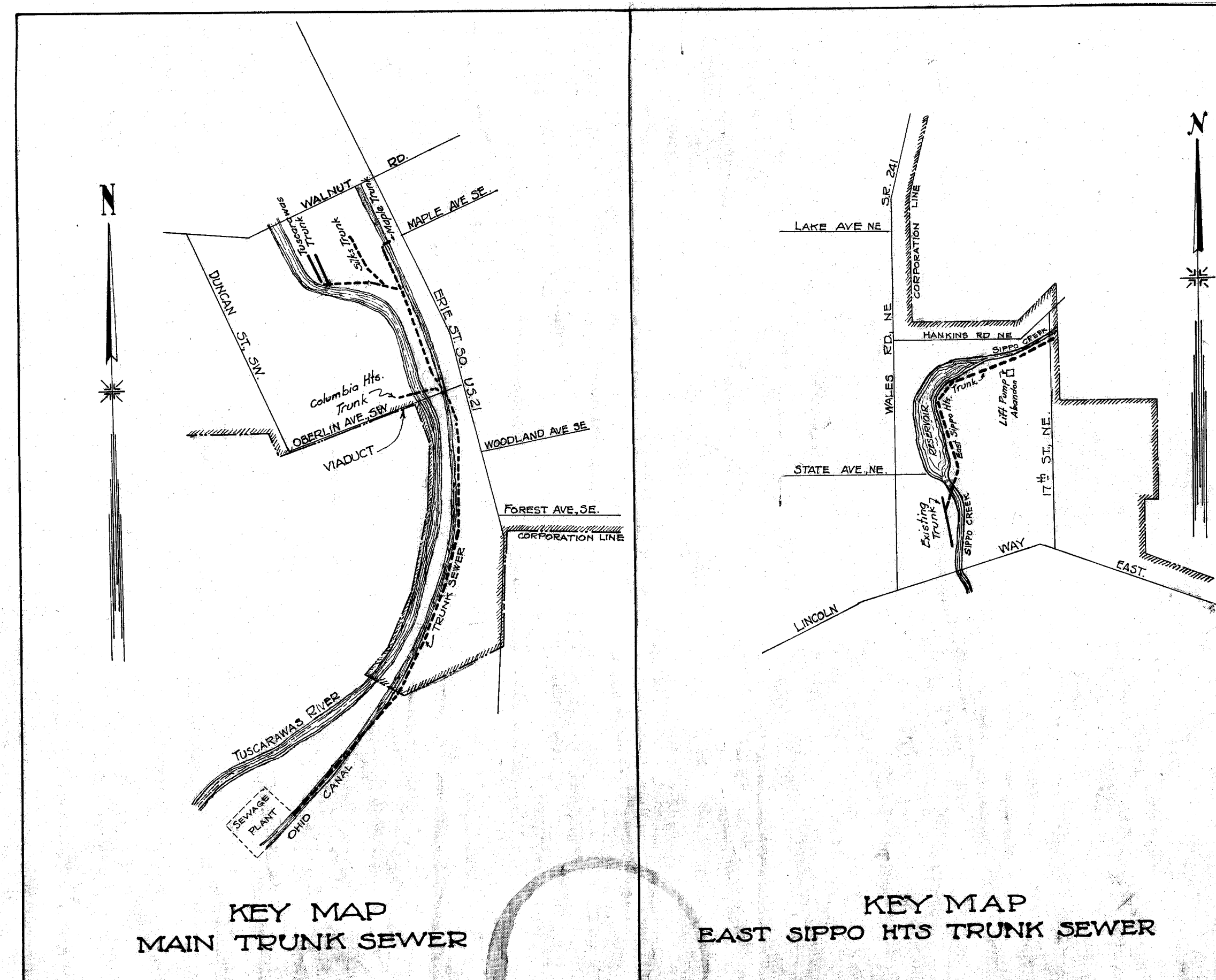
PWA DOCKET NO. OH-1058

MASSILLON OHIO

TRUNK SEWER

Contractor shall erect and maintain during the construction period 3 signs 16 inches by 40 inches at places designated by the owner. The signs shall be painted on substantial wood or metal background. The signs and supports shall be white and the letters black. The wording shall be as follows:

FEDERAL WORKS PROJECT NO. OH-1058
PUBLIC WORKS ADMINISTRATION

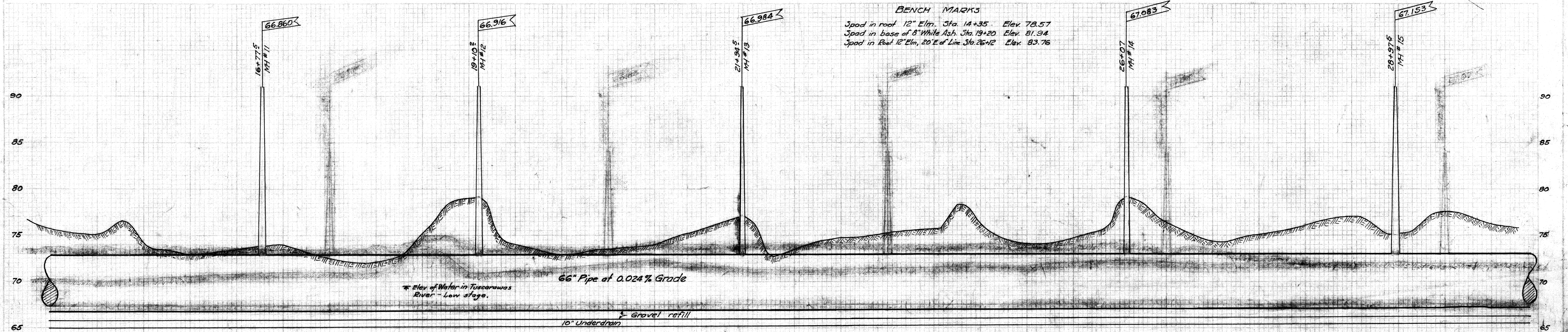
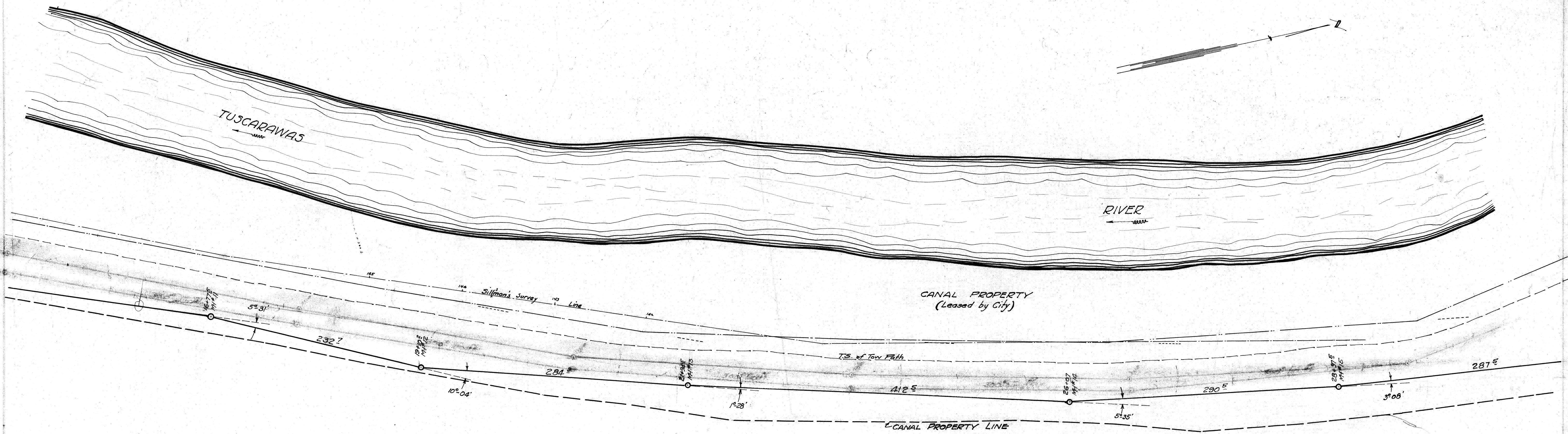


APPROVED BY

MAYOR OF MASSILLON William Limbach 10-22-1935
SAFETY-SERVICE DIRECTOR OF MASSILLON Living Lurel Oct 22 1935
CITY ENGINEER OF MASSILLON C. D. Rice Oct 22 nd 1935
HEALTH COMMISSIONER, MASSILLON Dwight L. Fisher Oct 22 1935
STATE BOARD OF HEALTH _____ 1935
STATE ENGINEER PWA _____ 1935
CITY COUNCIL, ORDINANCE # 3689, Carl D. Jeps OCT 28 1935
CLERK OF COUNCIL

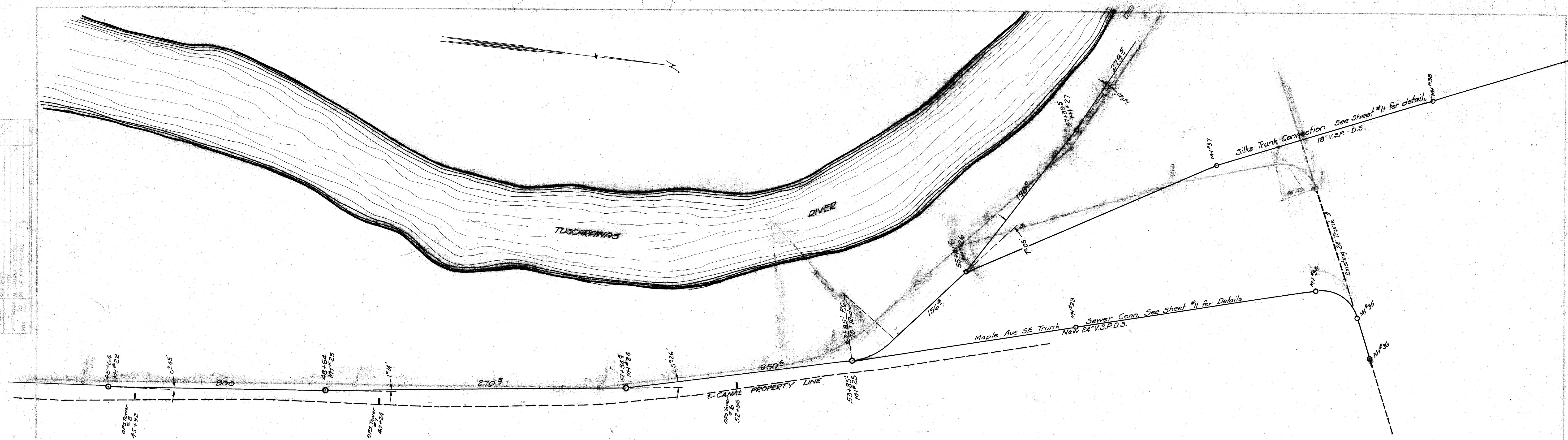
PLAN
 10' = 1" SCALE
 10' = 1" SCALE
 10' = 1" SCALE

PROFILE
 10' = 1" SCALE
 10' = 1" SCALE
 10' = 1" SCALE



CITY OF MASSILLON, OHIO	
PLAN & PROFILE OF TRUNK SEWER From End of Existing Trunk to Sewage Plant	
APPROVED <i>[Signature]</i> CITY ENGINEER	DEPT. OF PUBLIC SERVICE ENGINEERING DIVISION
Dr. by G.C. Wallace, Sept. 18 th 1932	Scale: 1" = 50' PLAN & PROFILE 3/4"
FILE NO SE 315 Rec No 1273	

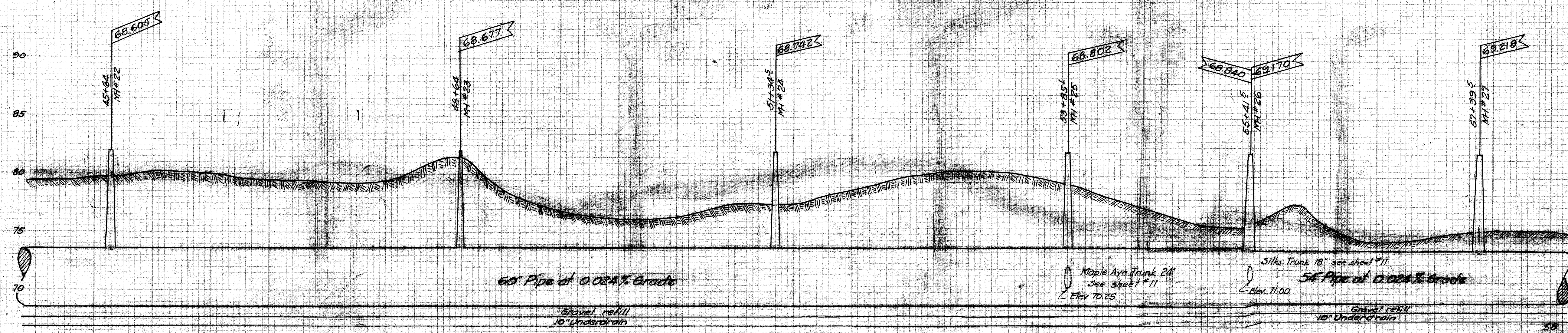
DATE
 DRAWN BY
 CHECKED BY
 APPROVED BY
 TITLE



Note: 6" laterals to be connected to existing sewer laterals outlets on east side of the Canal. Cast Iron Pipe Class 74 ANWMA to be used under the Canal.

BENCH MARK			
NE Cor. top of bolt, QPS. Tower	#8	Elev.	82.85
" " " " " " " "	#7	"	82.19
" " " " " " " "	#6	"	81.64
" " " " " " " "	#5	"	82.40
" " " " " " " "	#4	"	82.71

DATE
 DRAWN BY
 CHECKED BY
 APPROVED BY
 TITLE

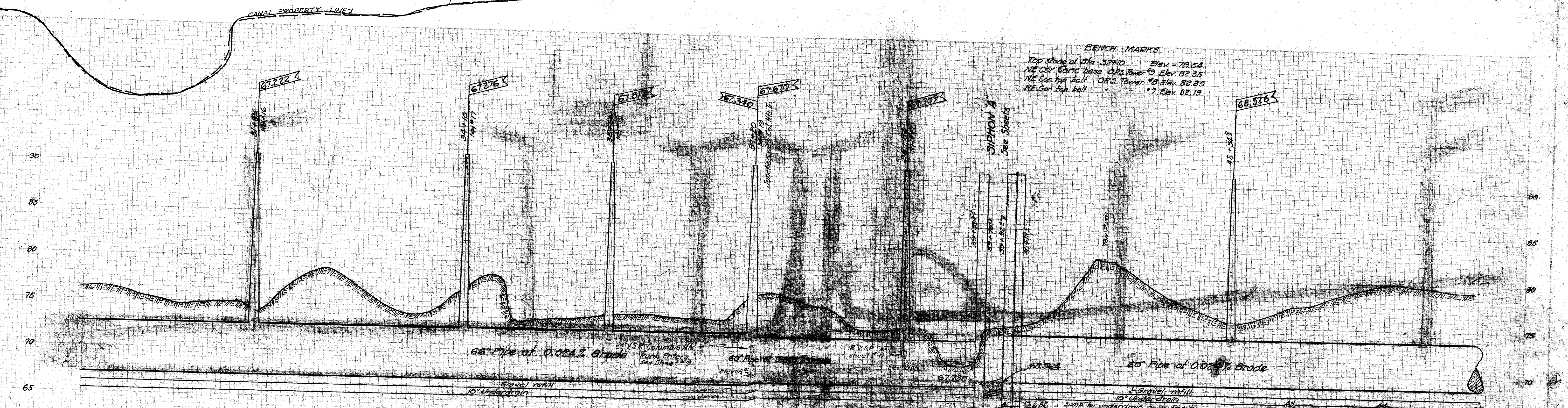
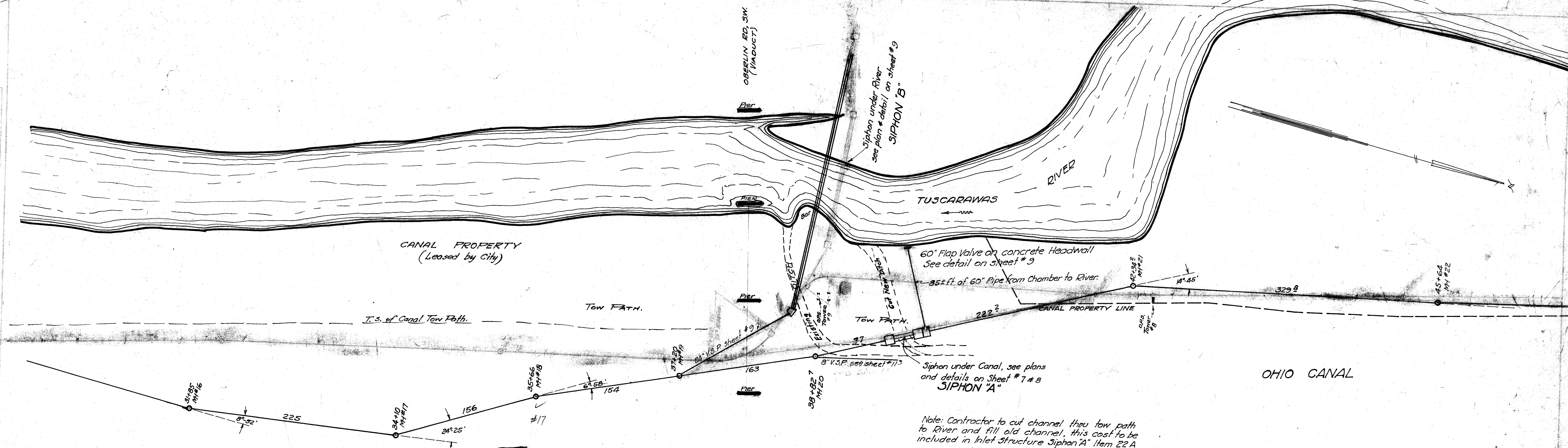


CITY OF MASSILLON, OHIO
PLAN & PROFILE OF TRUNK SEWER
 From End of Existing Trunk to Sewage Plant

APPROVED: *[Signature]* DATE: *[Date]*
 DESIGNED BY: *[Name]* CHECKED BY: *[Name]*
 DRAWN BY: *[Name]* SCALE: *[Scale]*

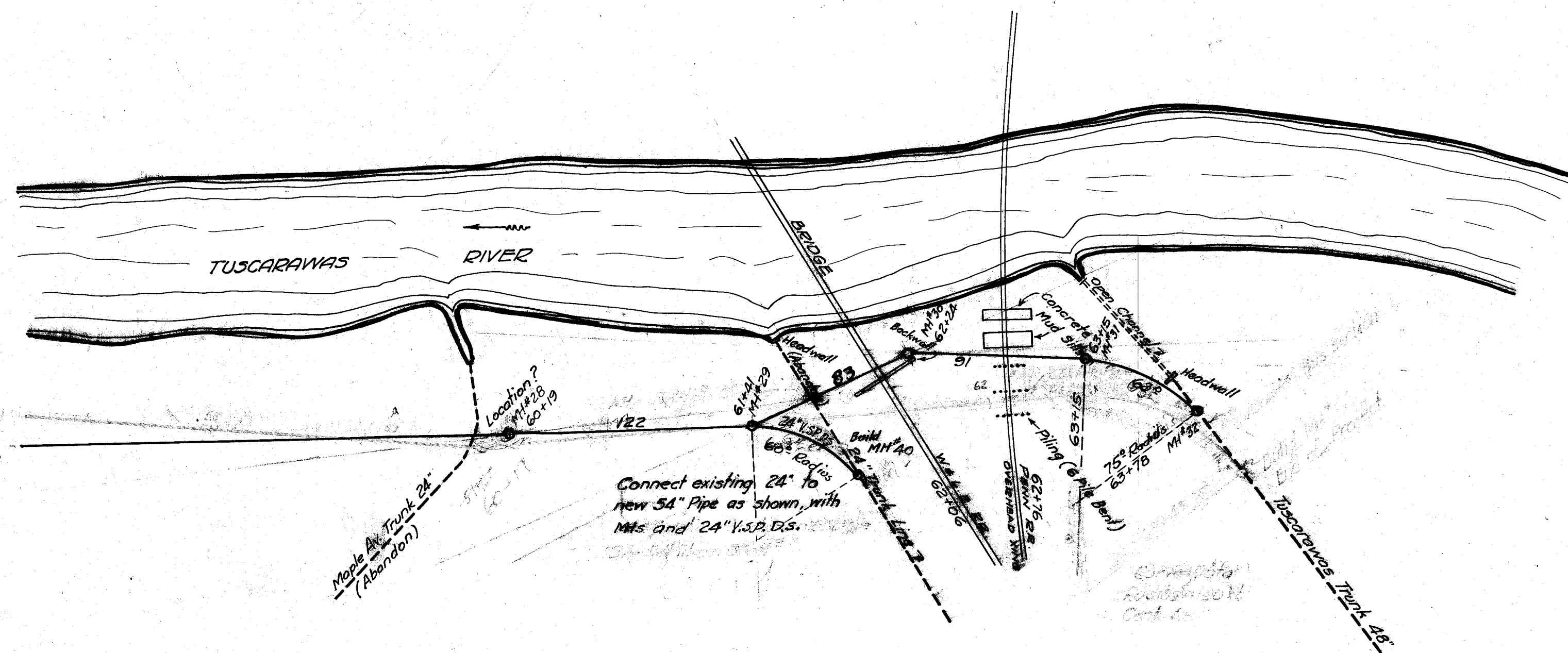
FILE NO. SE 315
 HACC NO. 1075

Plan
 100' Scale
 1" = 100'
 100' Scale
 1" = 100'
 100' Scale
 1" = 100'



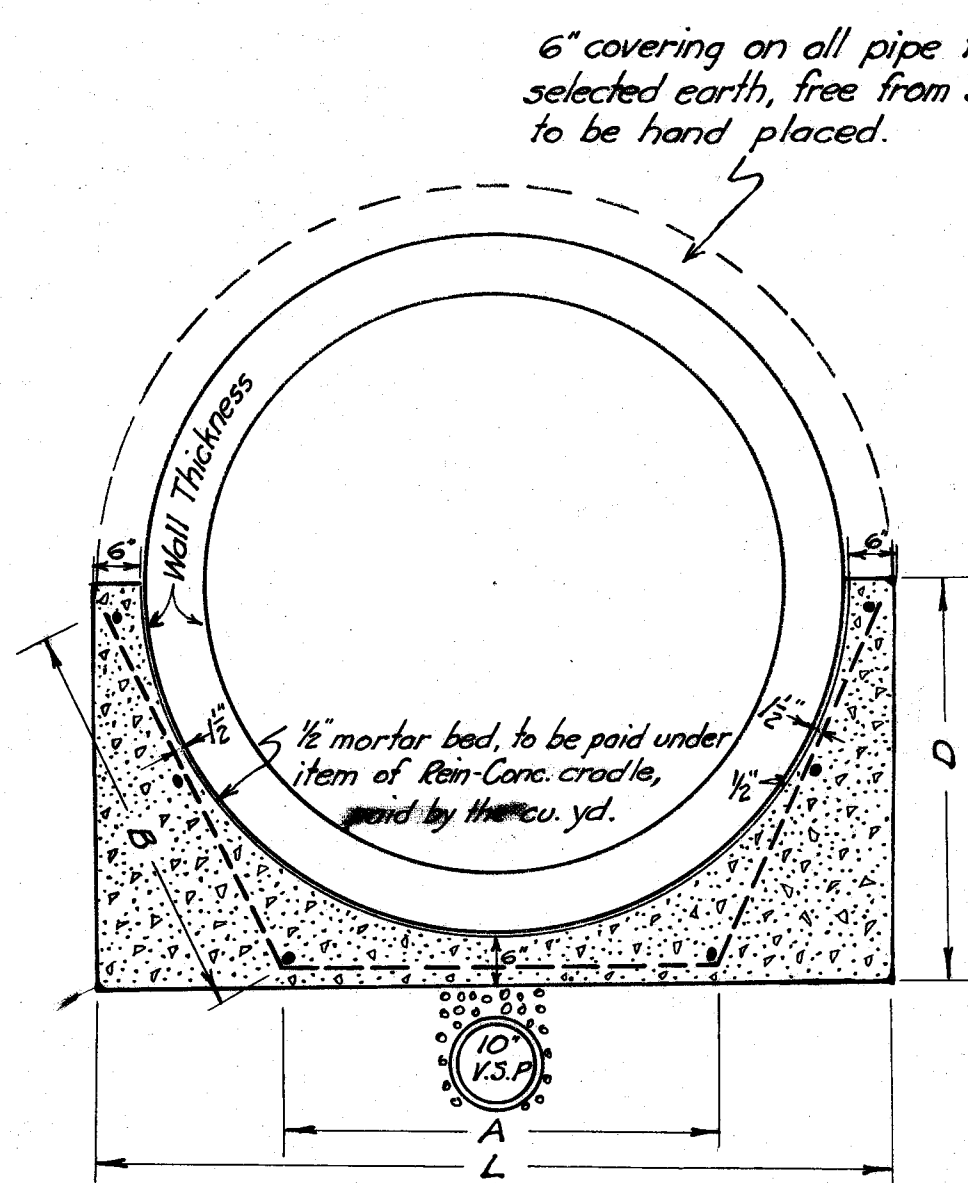
CITY OF MASSILLON, OHIO
 PLAN & PROFILE OF TRUNK SEWER
 From End of Existing Trunk to Sewerage Plant
 APPROVED: *[Signature]*
 DEPT. OF PUBLIC SERVICE
 ENGINEERING DIVISION
 Date: Sept 27, 1933
 Scale: 1" = 50' Horiz.
 1" = 10' Vert.
 FILE NO. 38-3185

DATE	
BY	
CHECKED	
NOTED	
NO.	



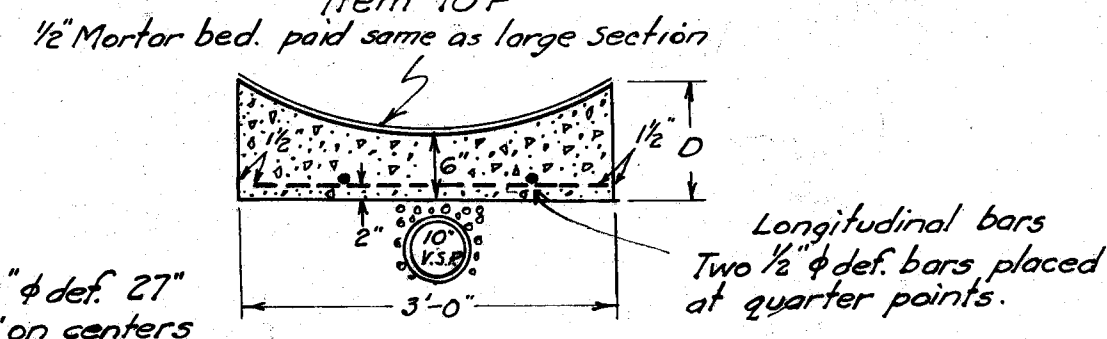
LARGE CRADLE

NOT TO SCALE
Item 10 E



SMALL CRADLE

NOT TO SCALE
Item 10 F



NOTE: Engineer to direct the placing of either type of conc. cradle if needed.

Concrete cradle to be Class #2
Concrete - 4 1/2 Sacks cement per
yard of finished work.
Unit bid price per cu. yd. of each type
of cradle shall include reinforcing

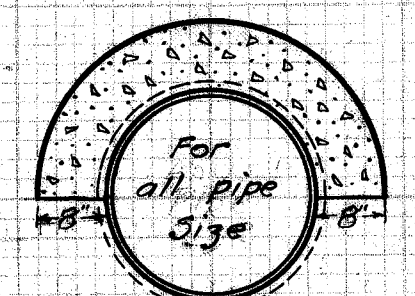
Longitudinal bars, 1/2" x deformed, six bars
spaced as shown.

Transverse bars, 1/2" x deformed, bent as
shown, spaced 12" on centers.

Size of Pipe	D Feet	L Feet	Cu. Yds. per ft.
72"	4'-1 3/4"	8'-3 1/2"	0.5089
66"	3'-10 1/4"	7'-9 1/2"	0.4675
60"	3'-7 3/4"	7'-3 1/2"	0.4219
54"	3'-4"	6'-8"	0.3699

WALL THICKNESS

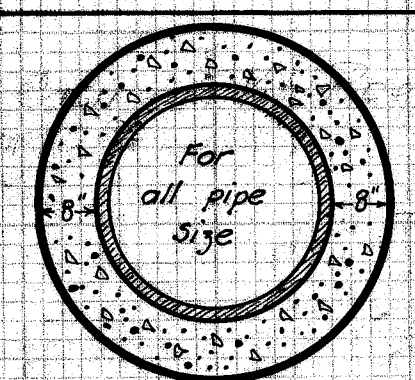
Size of Pipe	2 or 3 Seg. Blk.	2 or 3 Seg. Blk.	2 or 3 Seg. Blk.
72"	7 1/2"	7"	12 1/2"
66"	7 1/2"	6 3/4"	12 1/2"
60"	7 1/2"	6 3/4"	8 1/2"
54"	6 1/2"	6"	8 1/2"



Conc. Class #2 on 1/2" (3") of pipe to be placed on all pipe where directed to do so by Engineer, to be 6" thick. Paid for by cu. yd. of concrete placed. Item 10 G.

SECTION CONC. CASING

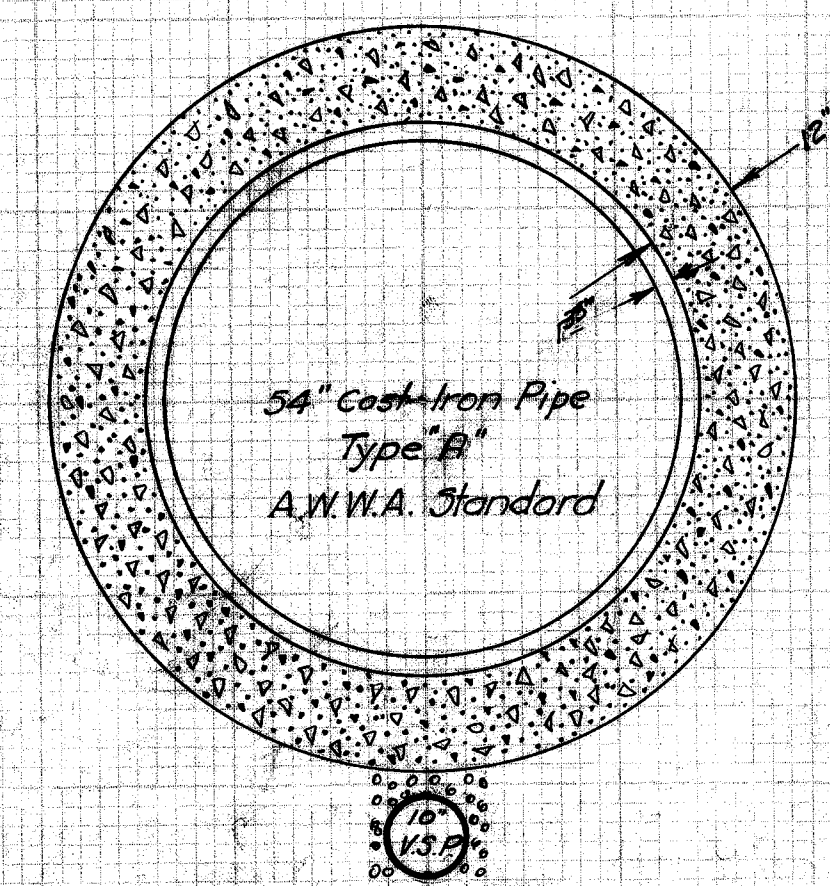
ITEM 10 G



Conc. Class #2 for full circle casing to be placed on all pipe, where directed to do so by the Engineer, to be 6" thick. Paid for by cu. yd. of concrete placed. Item 10 H.

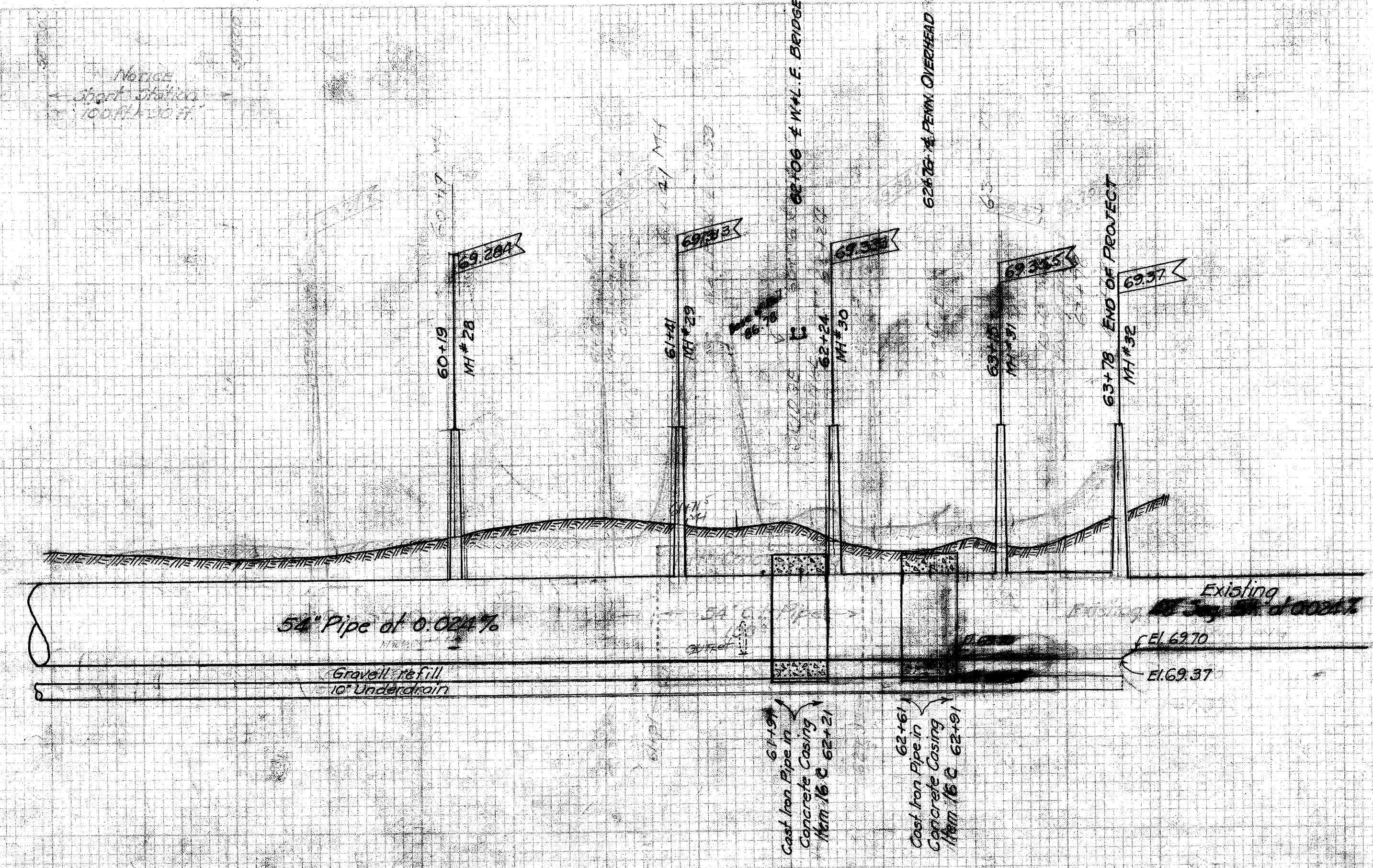
FULL SECTION CONC. CASING

ITEM 10 H



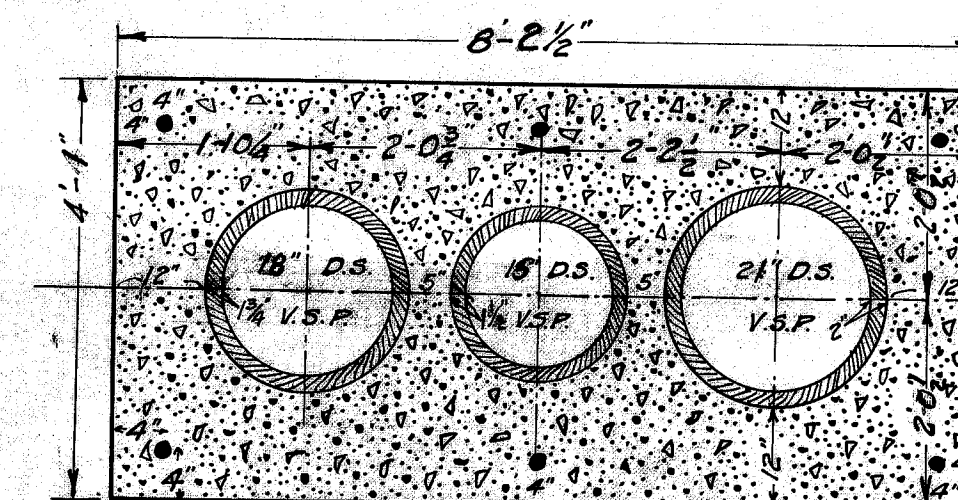
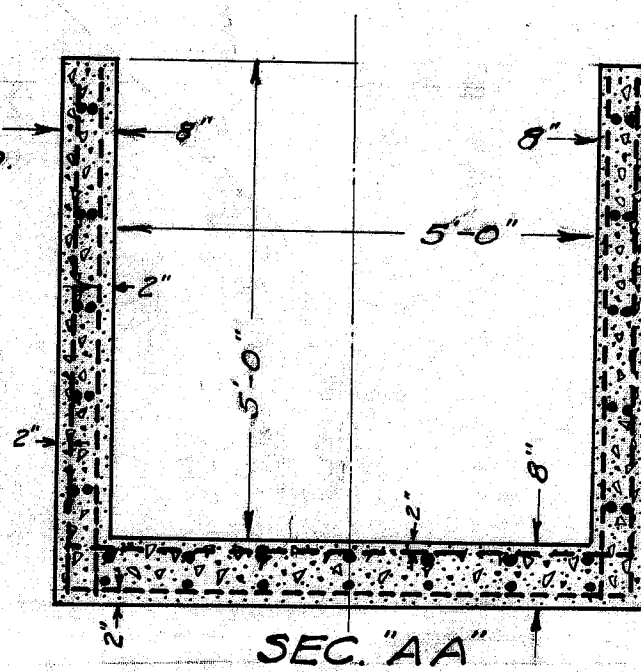
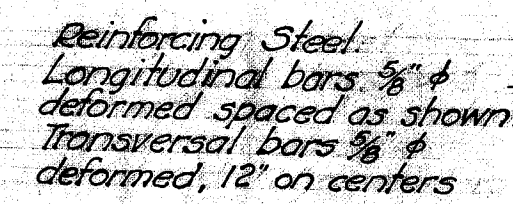
CONC. CASING UNDER RAILROADS

This casing shall be complete in place including cast iron pipe and conc. casing, to be placed per 10' of 54" C.I. Pipe and casing. Conc. to be Class #2



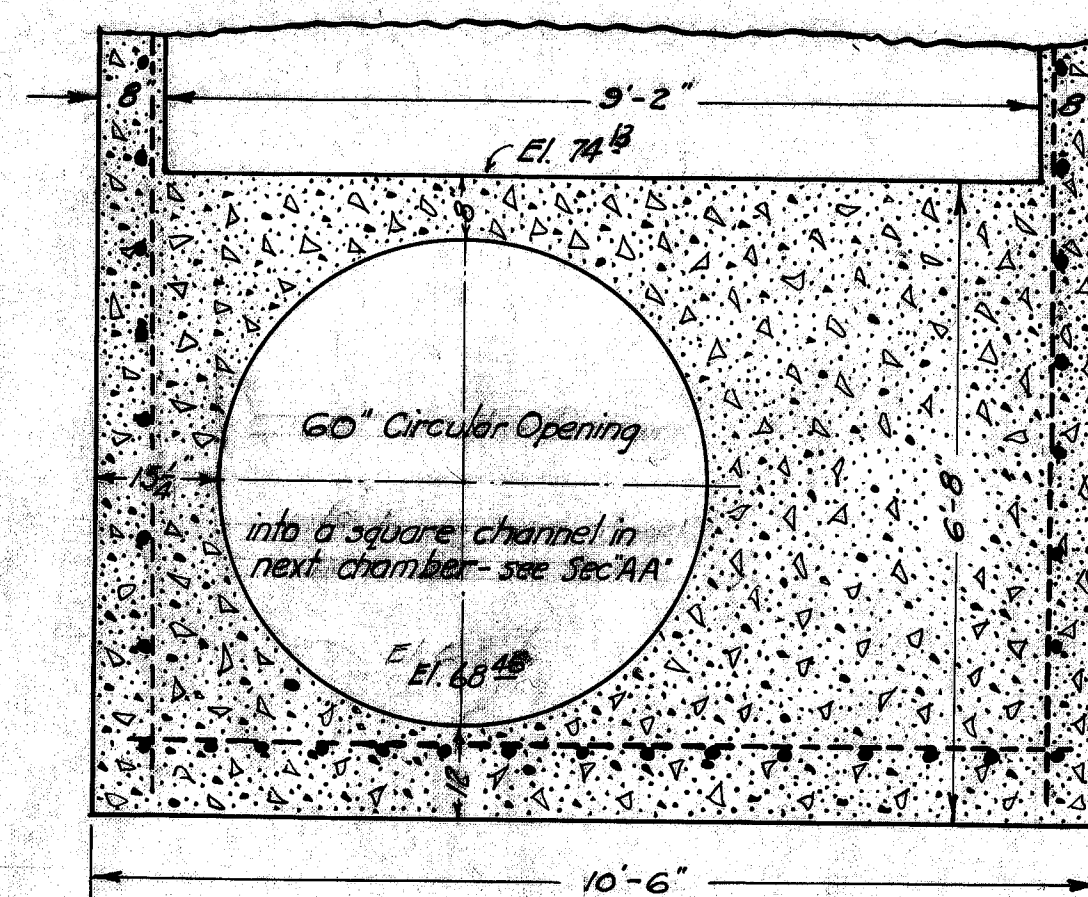
CITY OF MASSILLON, OHIO	
PLAN & PROFILE OF TRUNK SEWER	
From End of Existing Trunk to Sewage Plant	
By G. C. ...	DATE OF PUBLIC SERVICE DIVISION
FILE NO SE 315	AGG NO 1276

Vertical Reinforcing $\frac{1}{2}$ " ϕ deformed - spaced 12" on Centers
Horizontal Reinforcing $\frac{3}{8}$ " ϕ deformed - spaced 12" on Centers.
Reinforcing 2" from inside of walls, as shown.

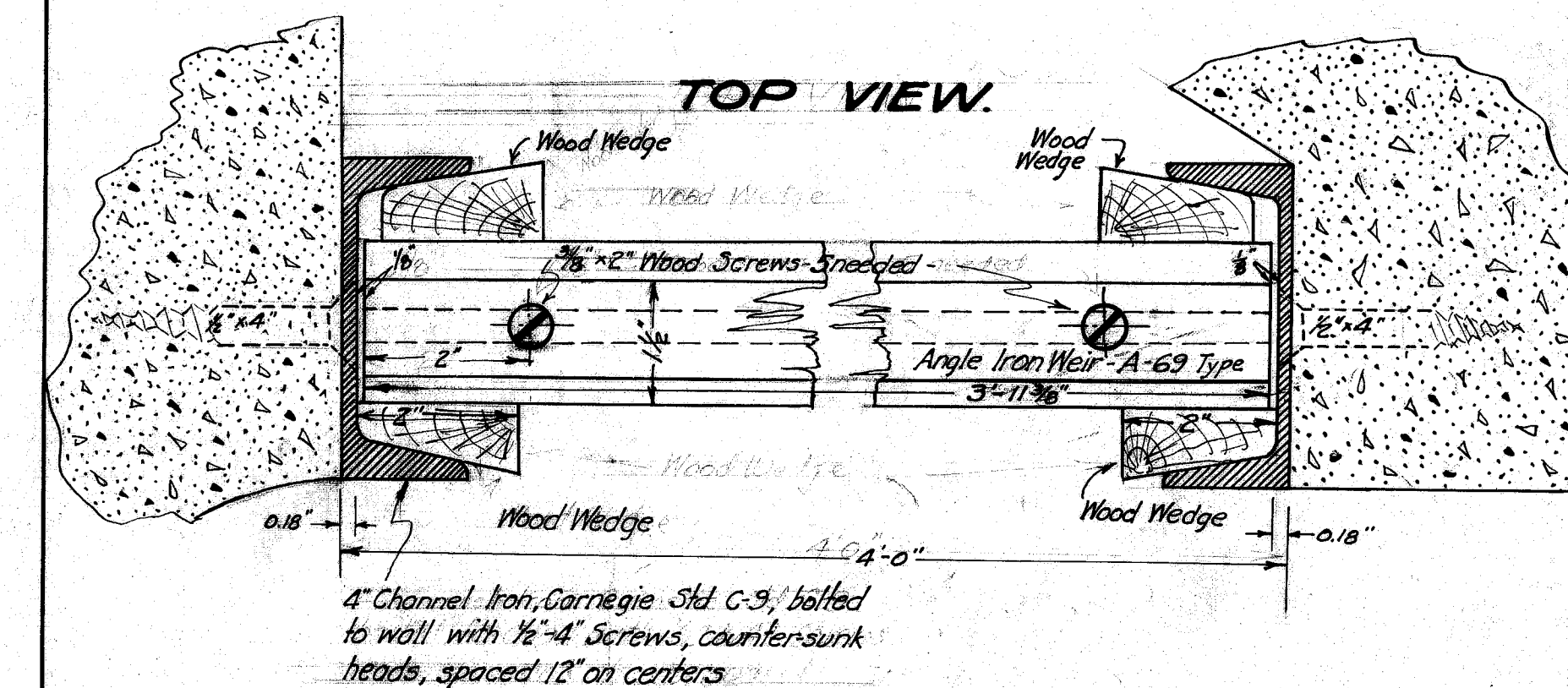


SEC. BB
Item 22 E

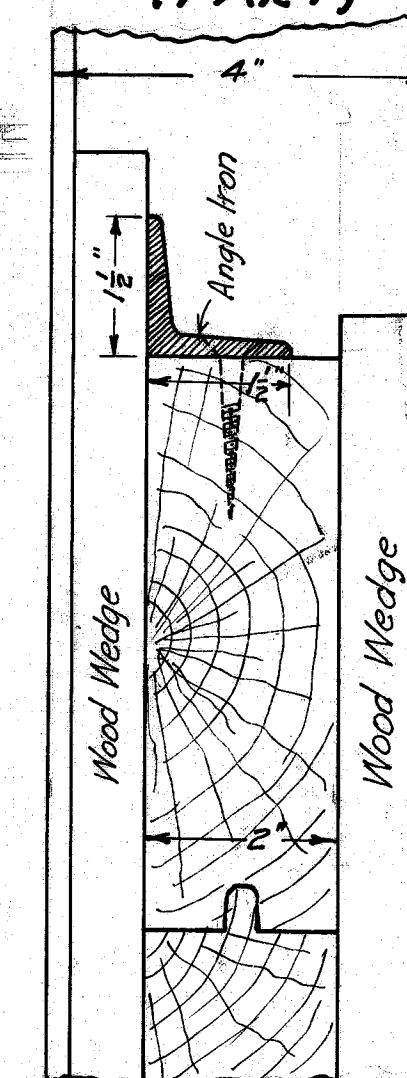
Conc. Casing around pipes, Class #2 Conc., Pipe to deep and wide socket Double strength. Joints to be an asphalt poured joint. Six $\frac{3}{4}$ " deformed reinforcing bars placed as shown.



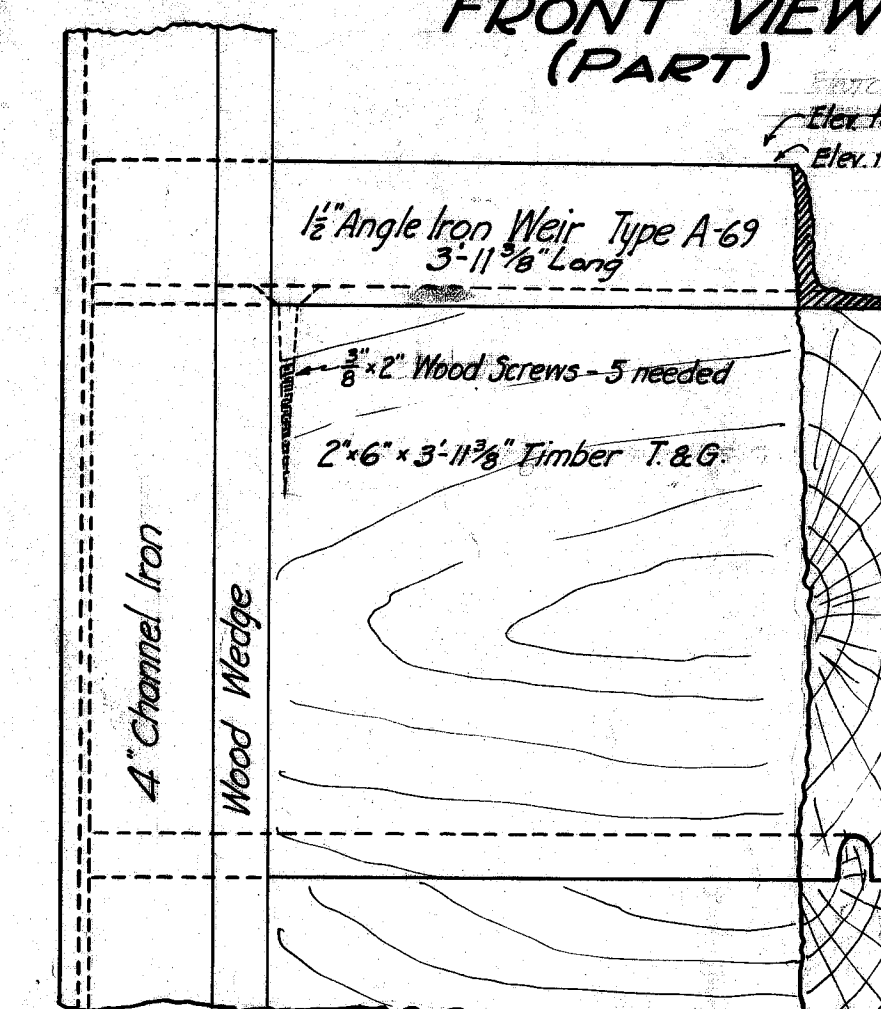
SEC "CC"



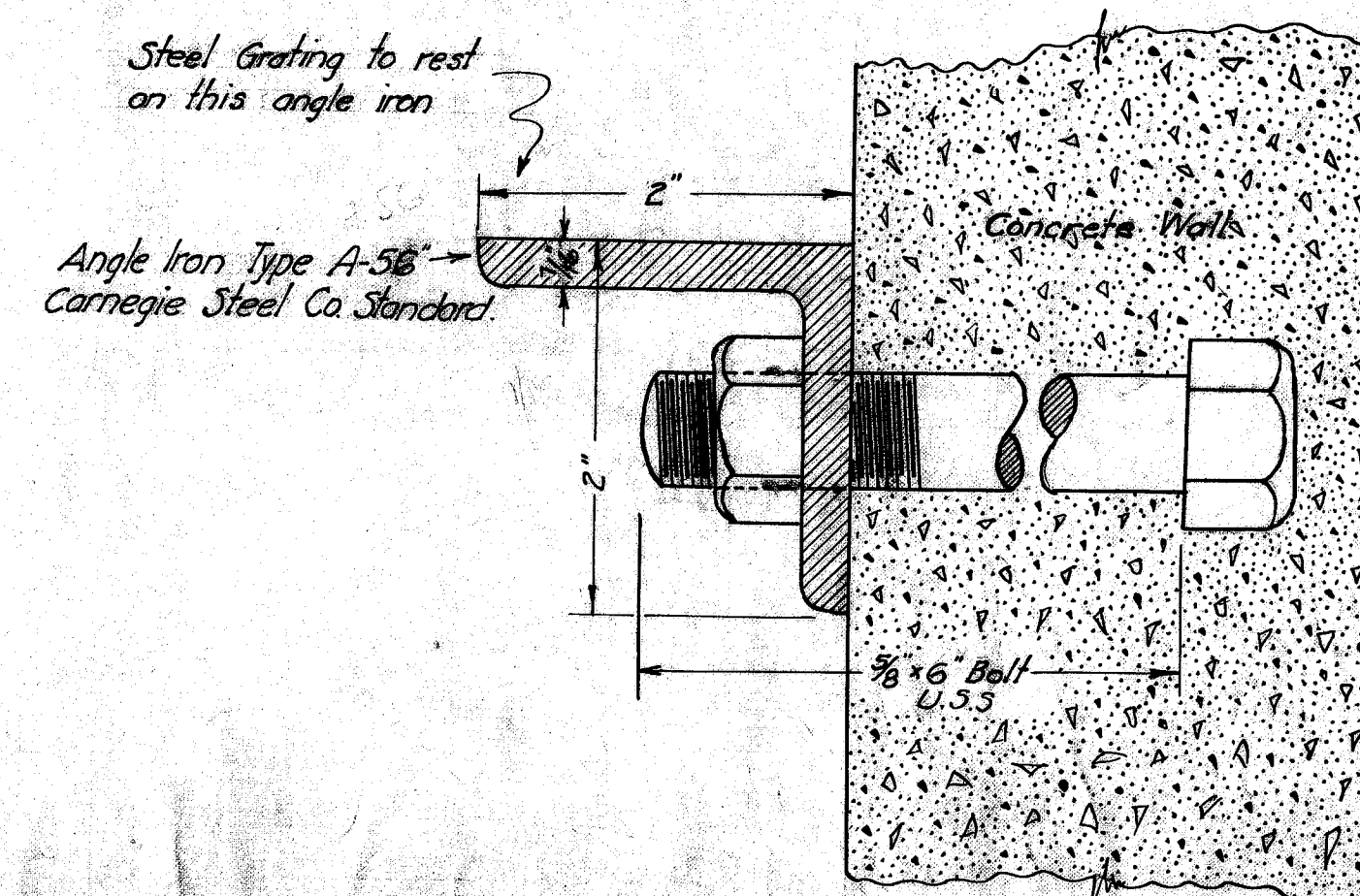
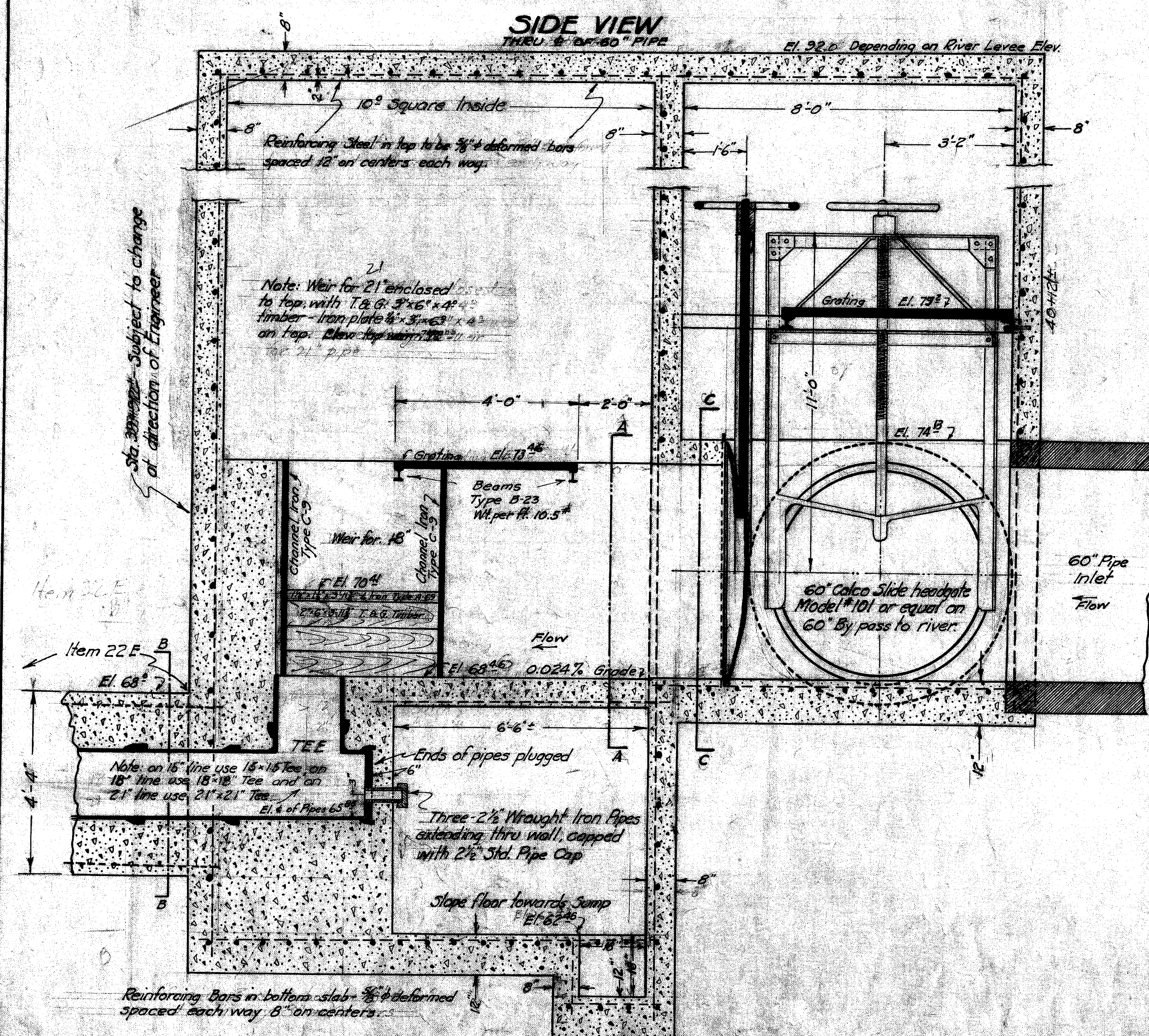
**SECTIONAL
SIDE VIEW
(PART)**



FRONT VIEW
(PART)



DETAIL CONSTRUCTION OF WEIR
SCALE 1/4" = 2' ET



DETAIL OF FASTENING ANGLE IRON
TO CONCRETE WALL.

Scale $1'' = 1 \text{ FT}$

where the space shown shall have
the bottom placed in roof.

NOTE

All formed concrete shall be Class #1 concrete except - Item 22 E (casing on siphon) which will be Class #2 concrete.

Where steps are shown in detail drawings of siphon chambers, sheets 7, 8 and 10, manhole casting shall be placed in roof slab above steps.

**SIPHON INTAKE TANK
ON 60" SEWER AT CANAL XING**

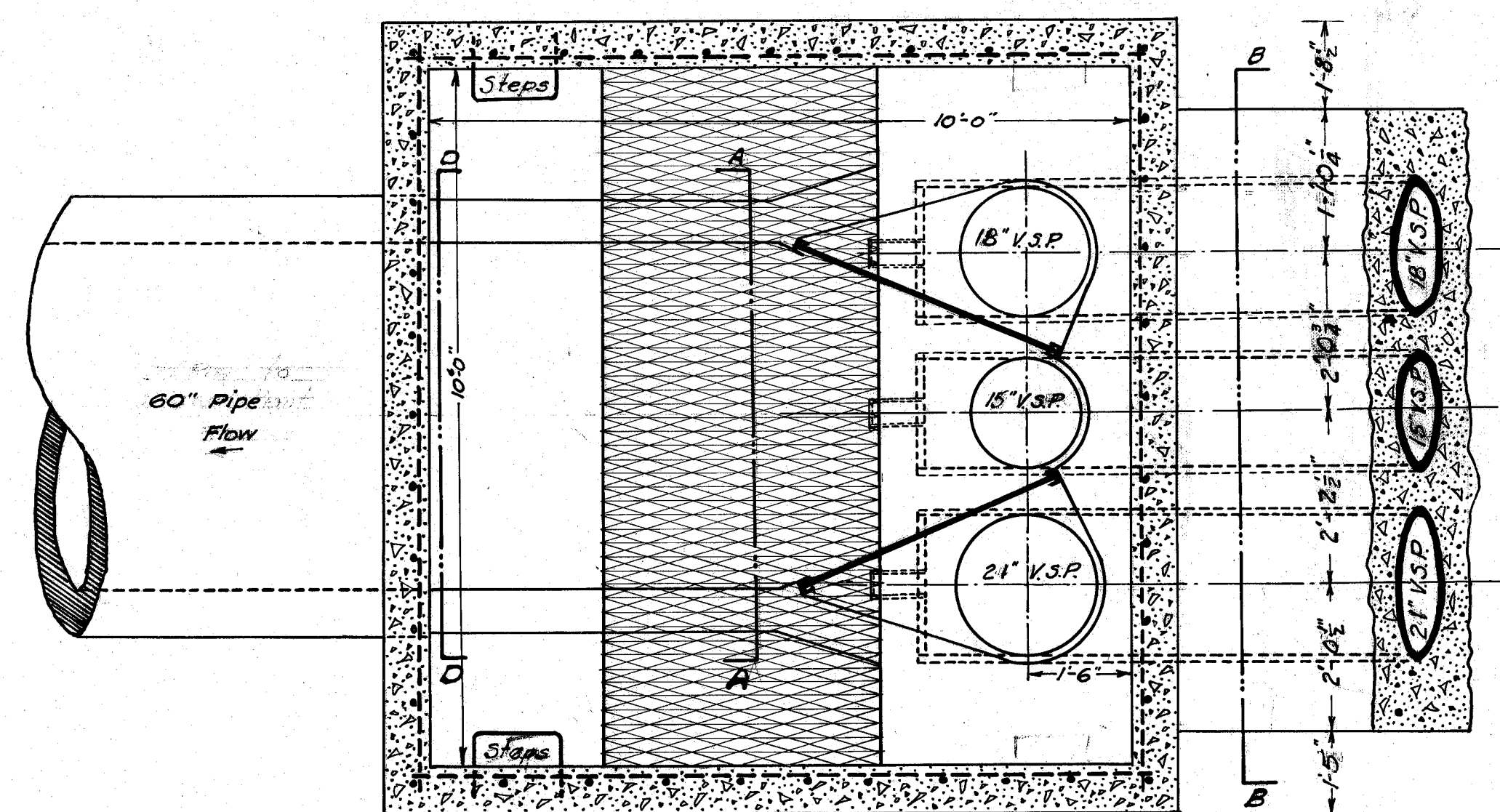
Approved:  DEPT. OF PUBLIC SERVICE
DIVISION OF ENGINEERING

Scale $1'' = 2^{KT}$ or $1'' = 1^{KT}$ Apr. 9th 1935

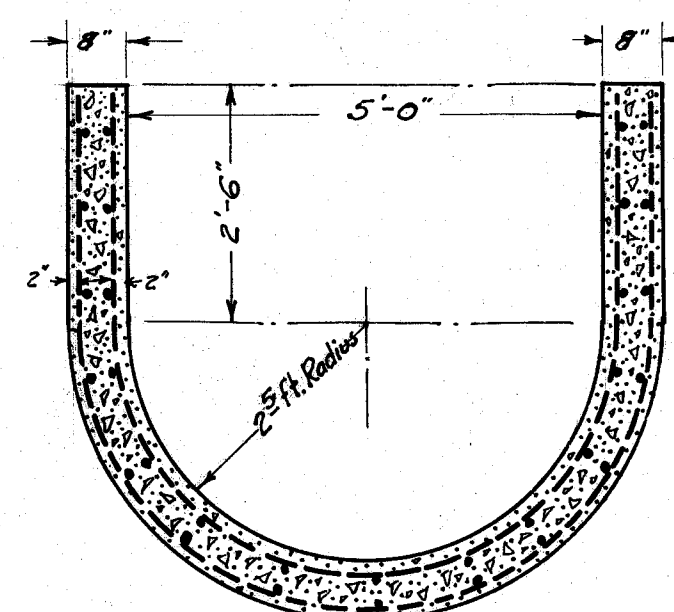
Geo. E. Wallace as noted.
FILE NO SE 315
ACCC NO 1277

Item 22 B
TOP VIEW
 WITH TOP REMOVED

General Note: The details on this chamber, except where noted, same as in the siphon part of the intake chamber, shown on sheet #8.



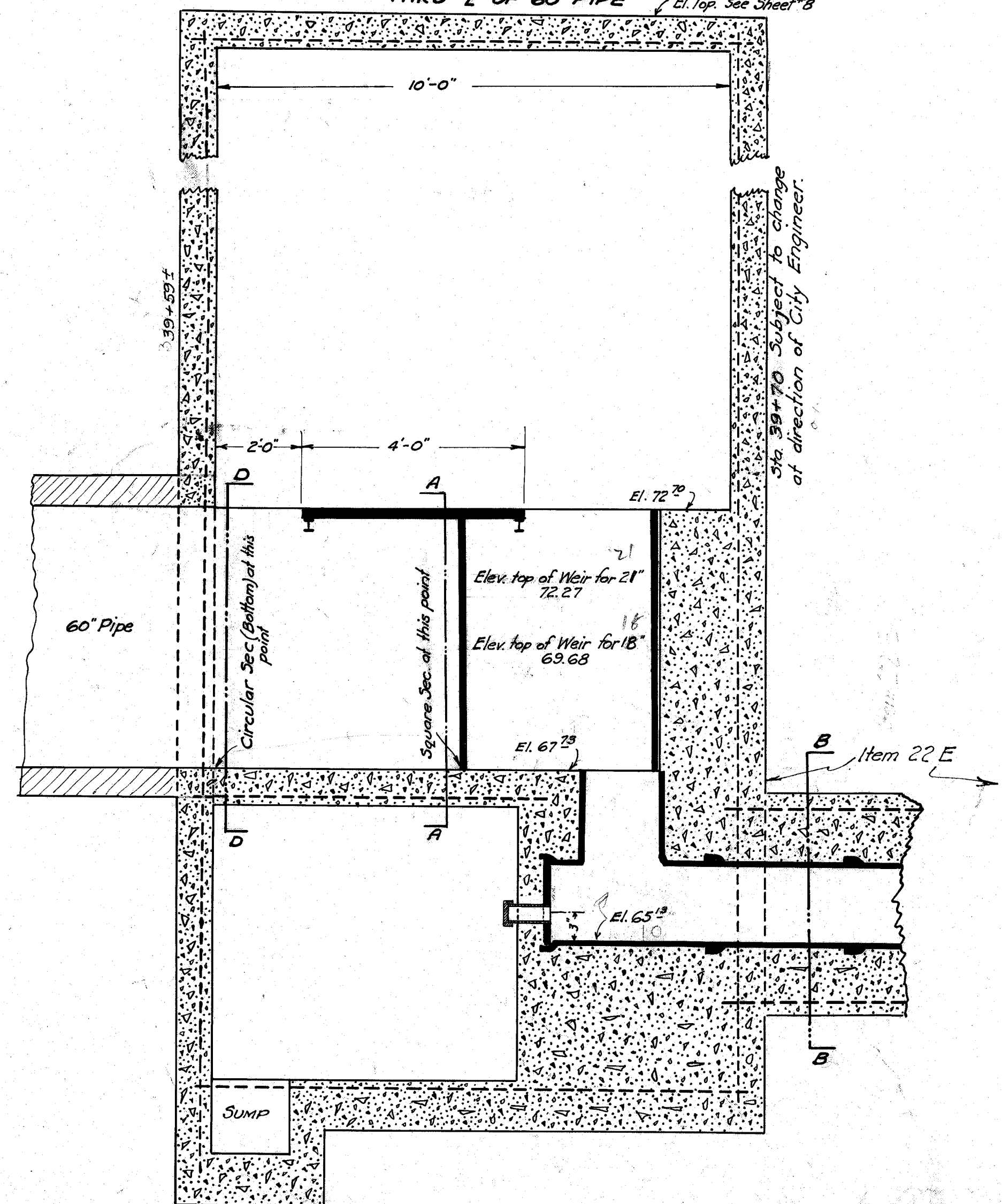
SECTION "AA"
SECTION "BB"
 SEE DETAIL ON SHEET #8



SEC "D-D"

This section to be changed from semi-circle bottom to square bottom of Sec. "AA". Steel to be bent on job and placed in forms 2" from surface as shown. Steel sizes same as noted on Sec. "AA" on Sheet #8.

SIDE VIEW
 THRU 1/2 OF 60" PIPE

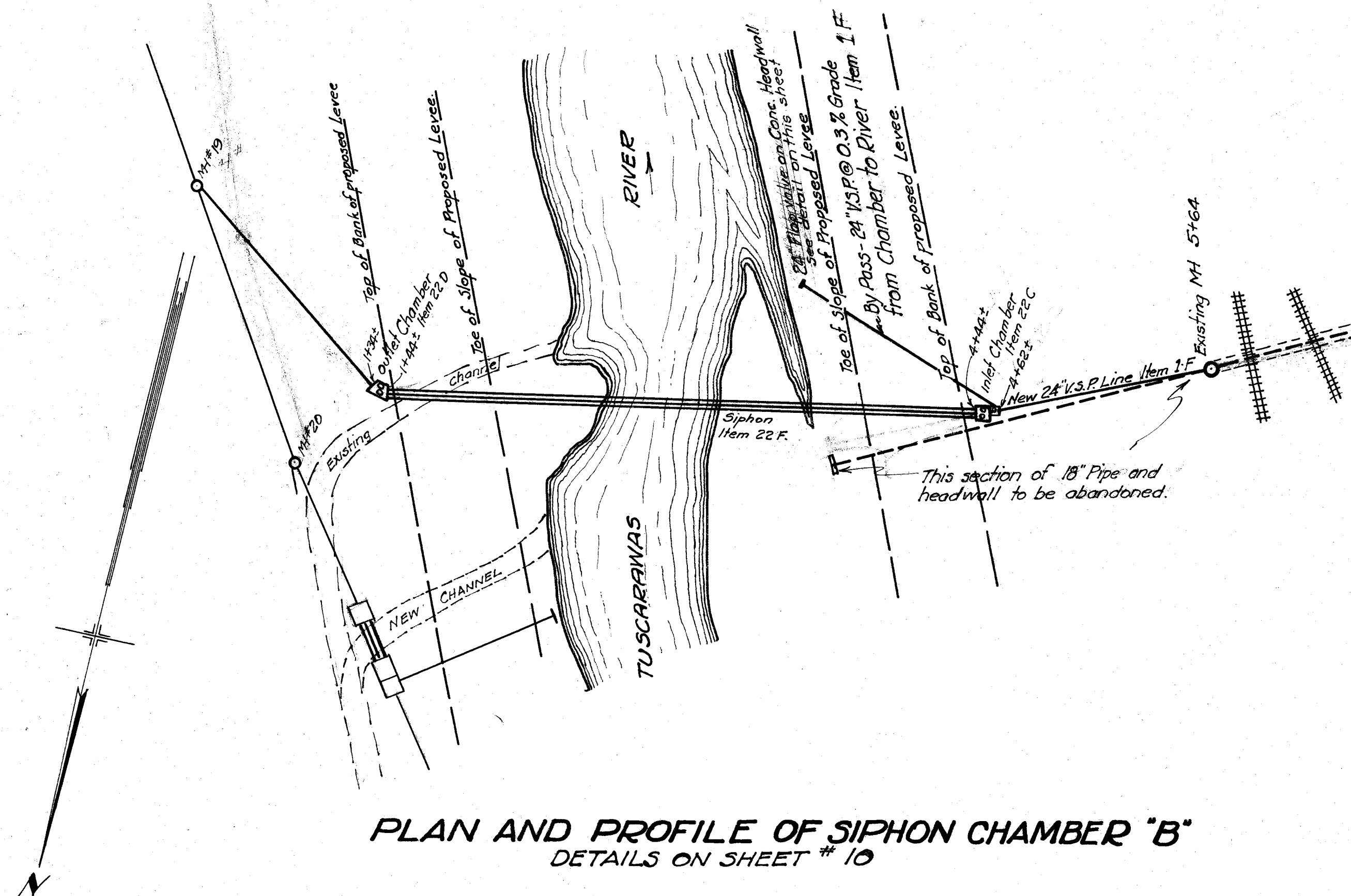


68.42
 67.73
 70.3
 73

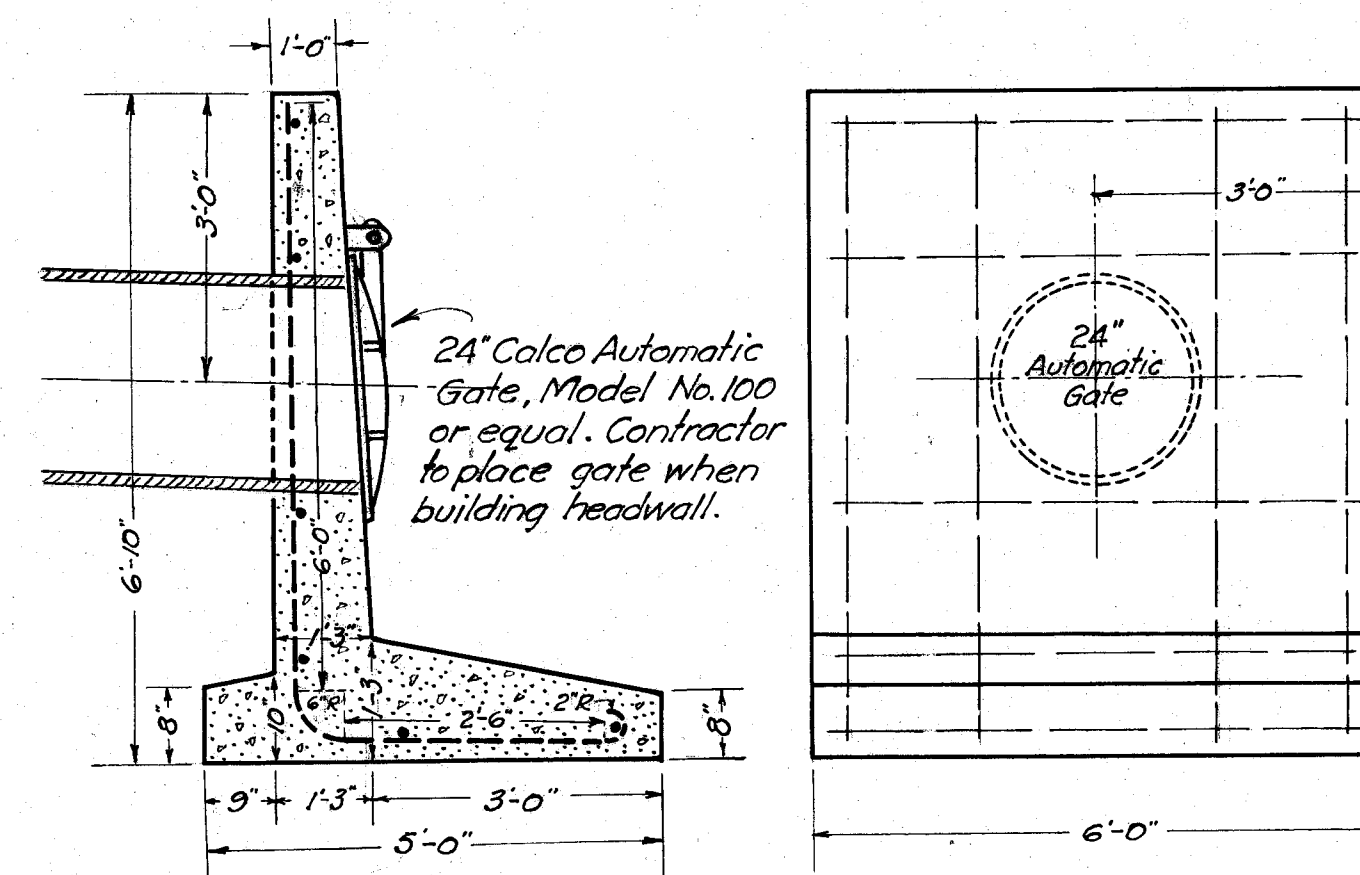
CITY OF MASSILLON, OHIO
OUTLET CHAMBER OF 60" SIPHON
CHAMBER "A"

APPROVED: *E. Rice* CITY ENGINEER
 DEPT. OF PUBLIC SERVICE
 ENGINEERING DIVISION
 Designed and Drawn by: *Geo. C. Wallace* SCALE - NONE OCT. 18, 1935

FILE NO. SE-315
 ACCO. NO. 27818

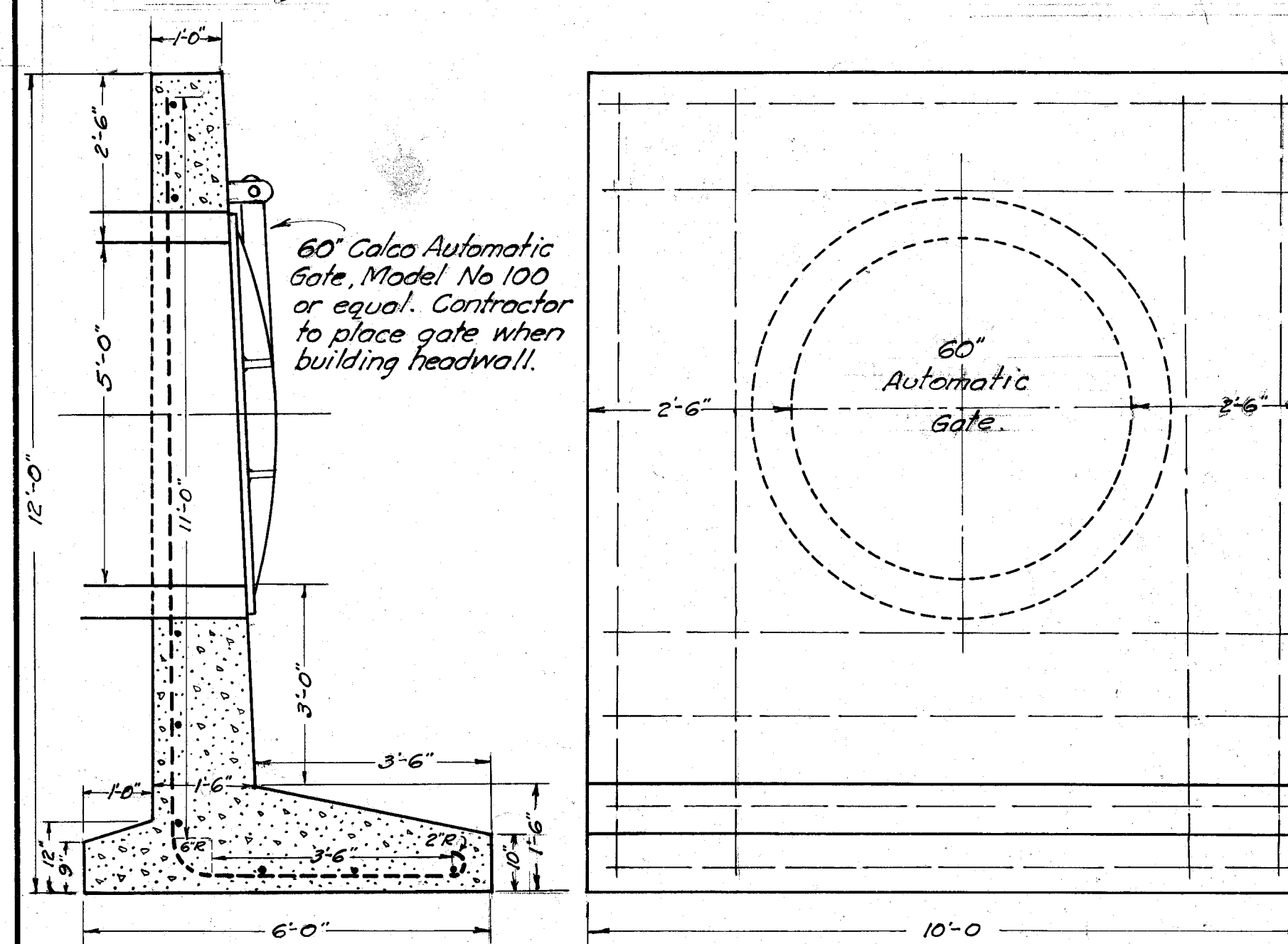


REINFORCING STEEL
Vertical steel $\frac{5}{8}$ " def. bars bent and spaced as shown - 4 required.
Horz. steel $\frac{5}{8}$ " def. bars 5'-8" long spaced as shown - 6 required.

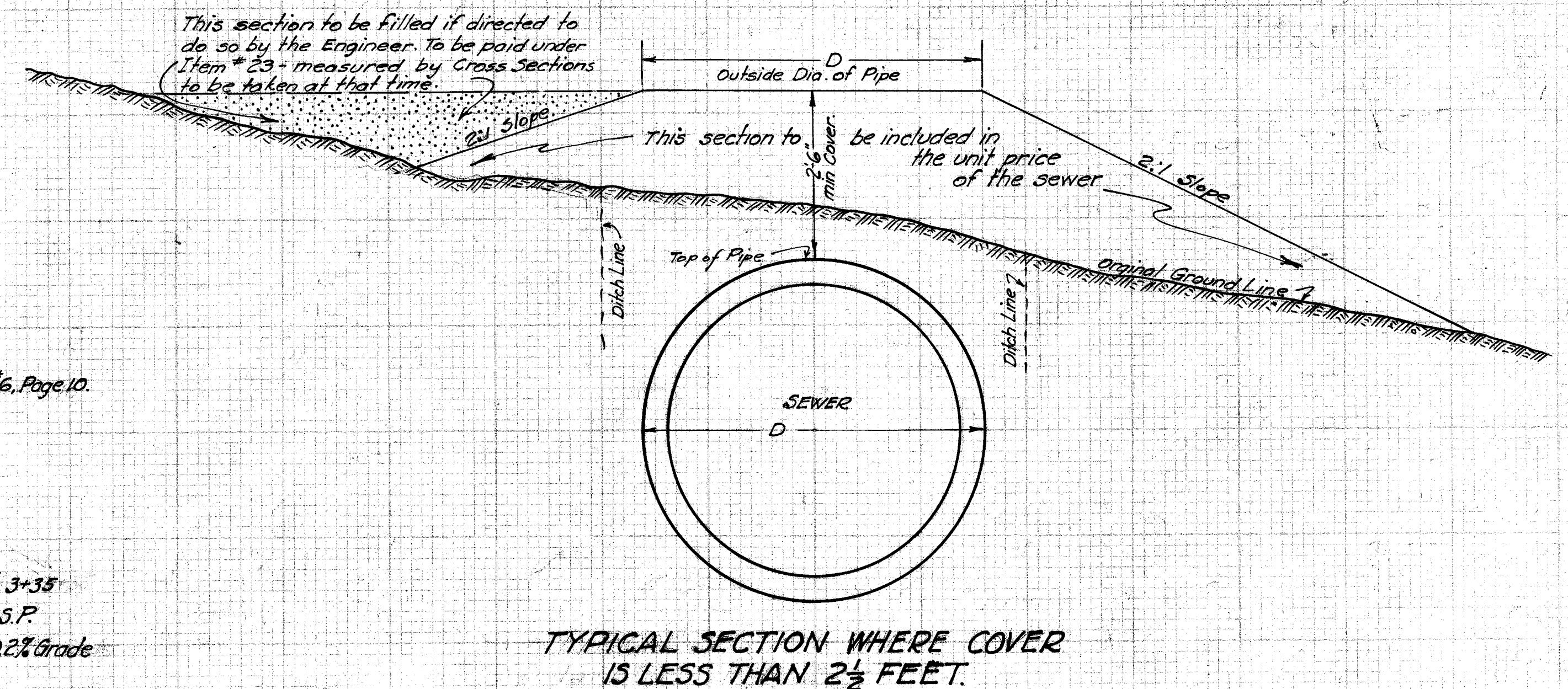
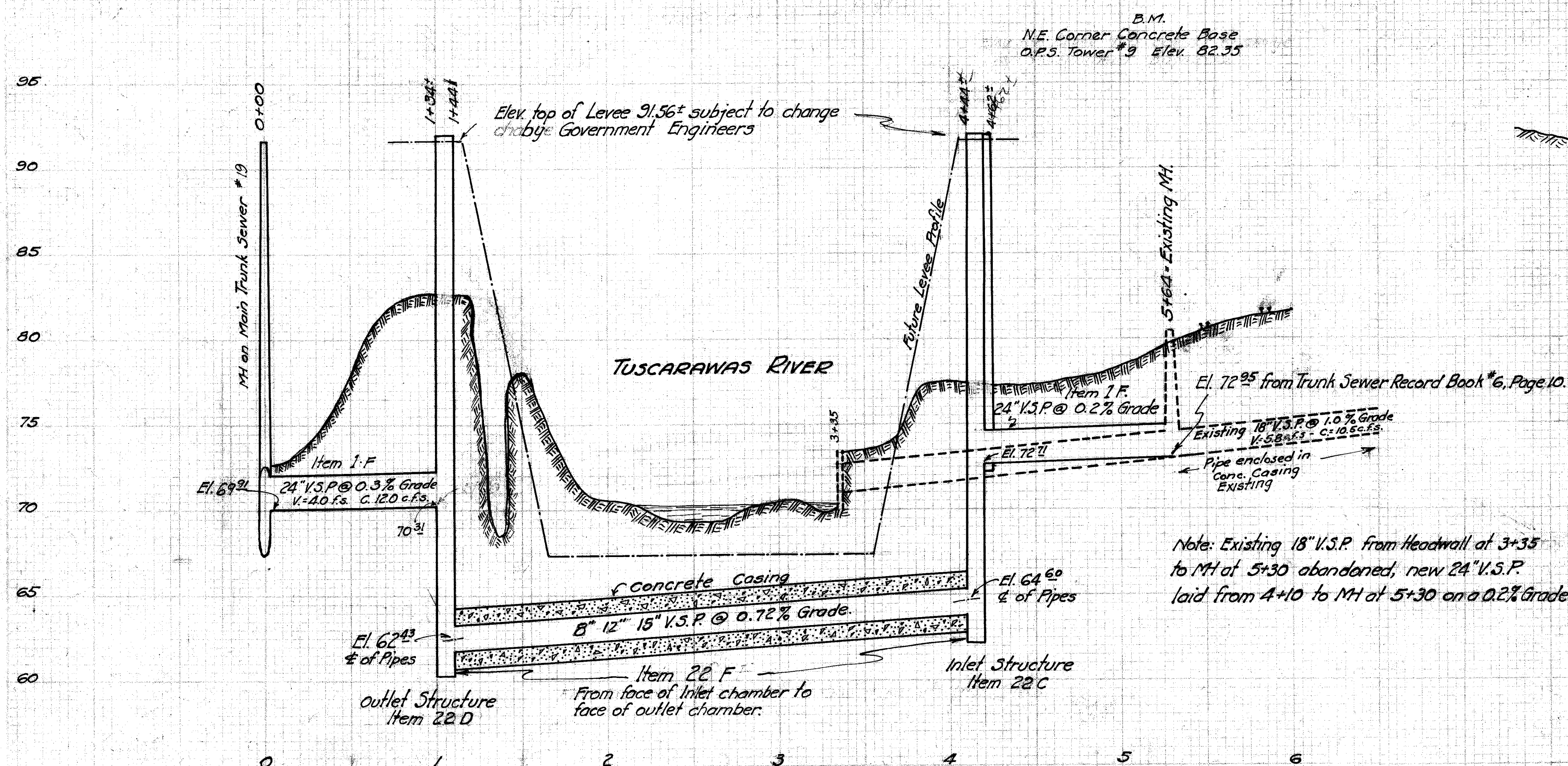


DETAIL OF HEADWALL FOR 24" OUTLET
Concrete headwall (complete with C.I. Flap Valve) to be included in bid price of Inlet Structure Siphon "B" Complete, Item 22 C. 24" V.I. Pipe to be paid under Item 1 F.

REINFORCING STEEL
Vertical steel $\frac{5}{8}$ " def. bars bent and spaced as shown - 4 required.
Horz. steel $\frac{5}{8}$ " def. bars 9'-8" long spaced as shown - 18 required.



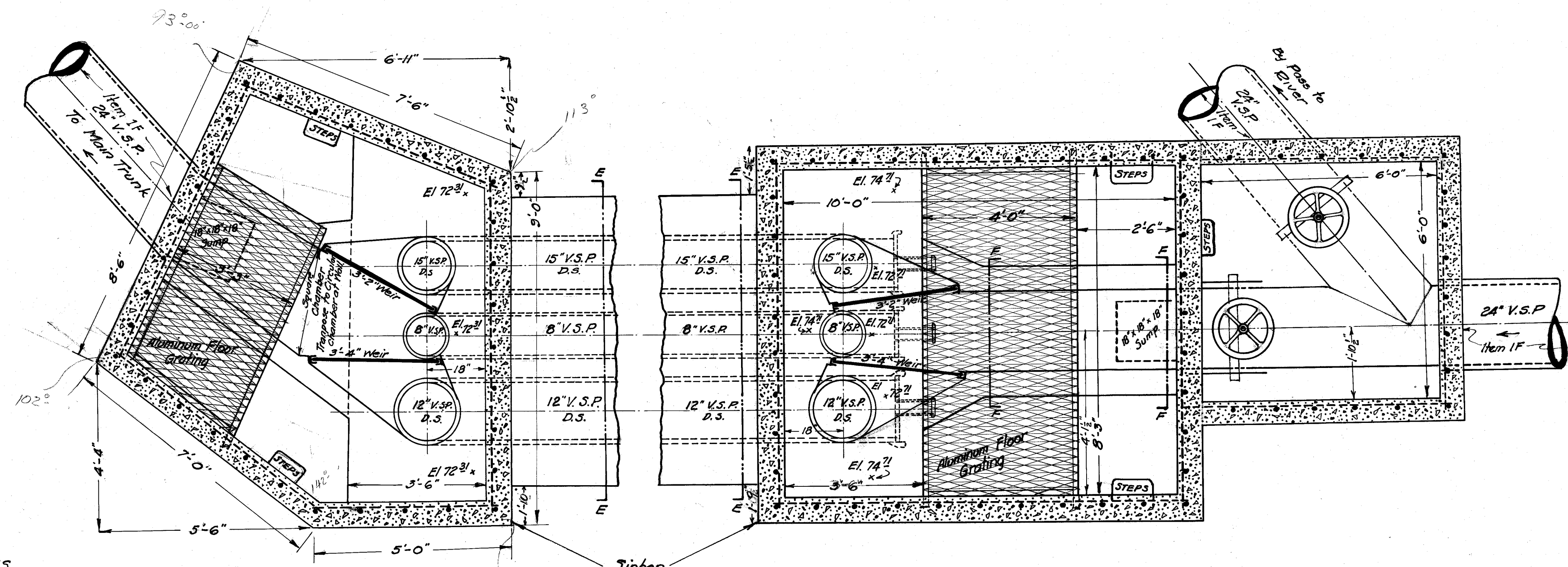
DETAIL OF HEADWALL FOR 60" OUTLET
Concrete Headwall (Complete with C.I. Flap Valve) to be included in bid price of Inlet Structure Siphon "B" Complete, Item 22 A. - 60" Pipe to be paid for per ft.



CITY OF MASSILLON, OHIO	
COLUMBIA HTS. TRUNK CONNECTION SIPHON ACROSS TUSCARAWAS RIVER	
APPROVED: <i>[Signature]</i> CITY ENGINEER	DEPT. OF PUBLIC SERVICE ENGINEERING DIVISION
Designed and Dr. by Geo. C. Wallace	Scale 1" = 5' Ver. 1" = 30' Hor.
Oct. 15 th 1935	
FILE NO SE 315 ACC. NO. 12791	

OUTLET STRUCTURE Item 22 D

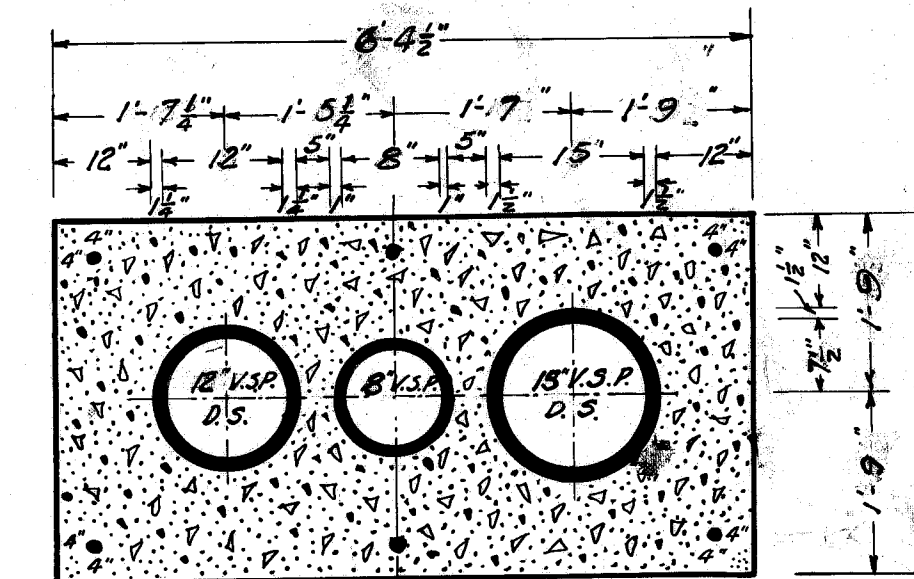
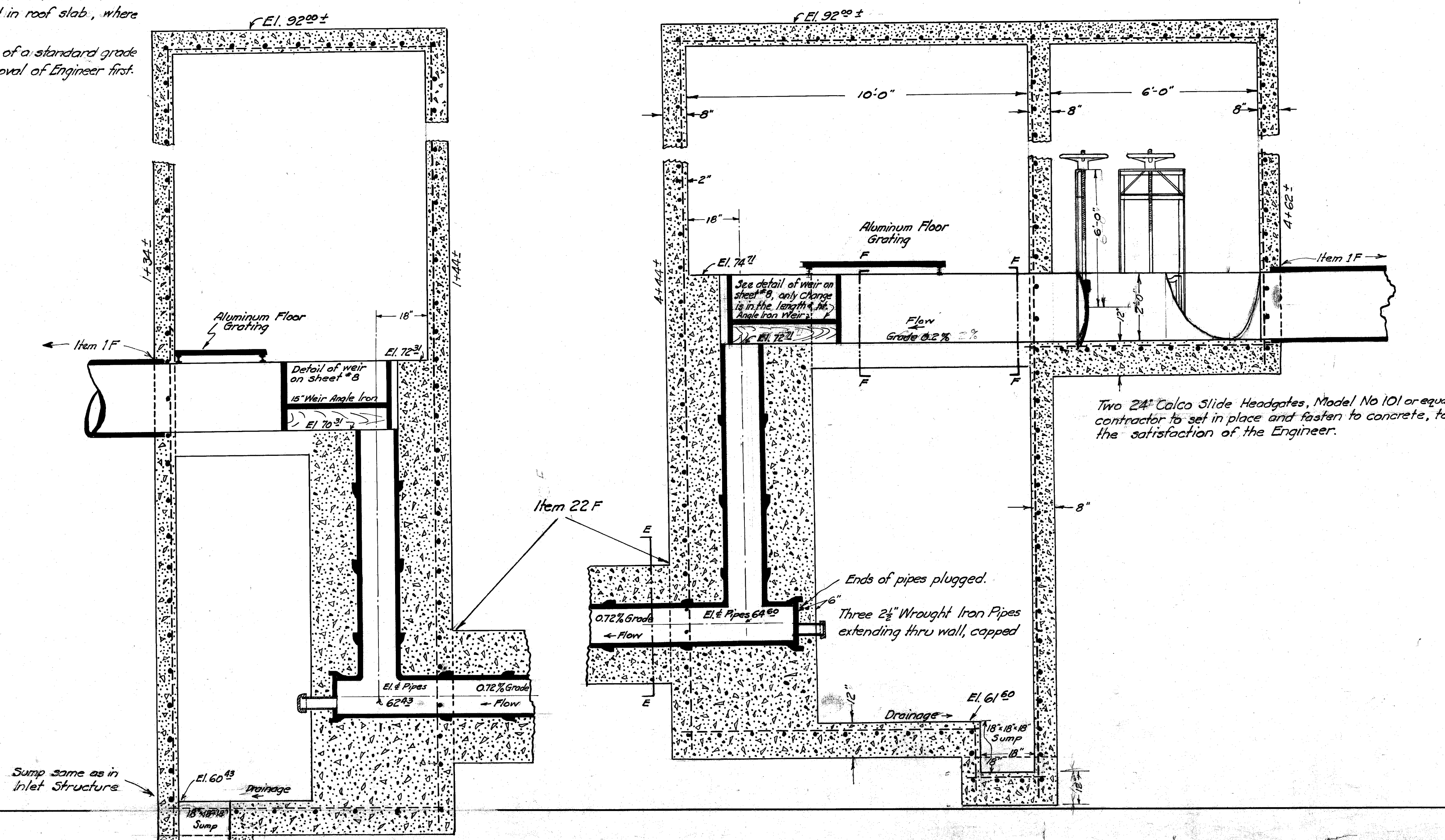
INLET STRUCTURE Item 22 C



GENERAL NOTES

Vertical Reinforcing $\frac{1}{2}$ " ϕ deformed spaced 12" o/c.
Horizontal Reinforcing $\frac{3}{8}$ " ϕ deformed spaced 12" o/c.
Steel to be 2" in from surface of walls as shown.
Manhole Castings to be placed in roof slab, where steps are shown.
Headgates to have two coats of a standard grade of metal paint to meet approval of Engineer first.

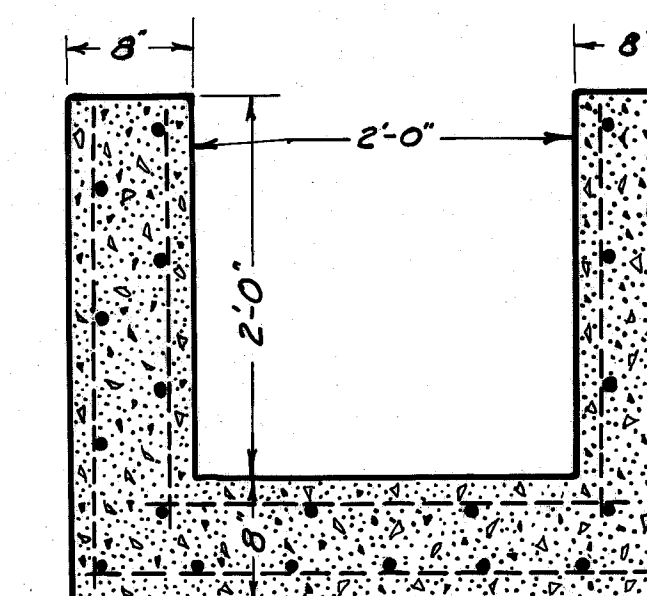
Siphon
Siphon to be paid for under Item 22 F
of Siphon for 24" Trunk, at rate of
so much per ft.



Item 22 F

Conc. Casing around pipes, Class #2 Conc. Pipes to be deep and wide sockets Double Strength except 12" which shall be std pipe, joints to be an asphalt poured joint. Six $\frac{3}{4}$ " ϕ deformed bars placed as shown.

SECTION "EE"



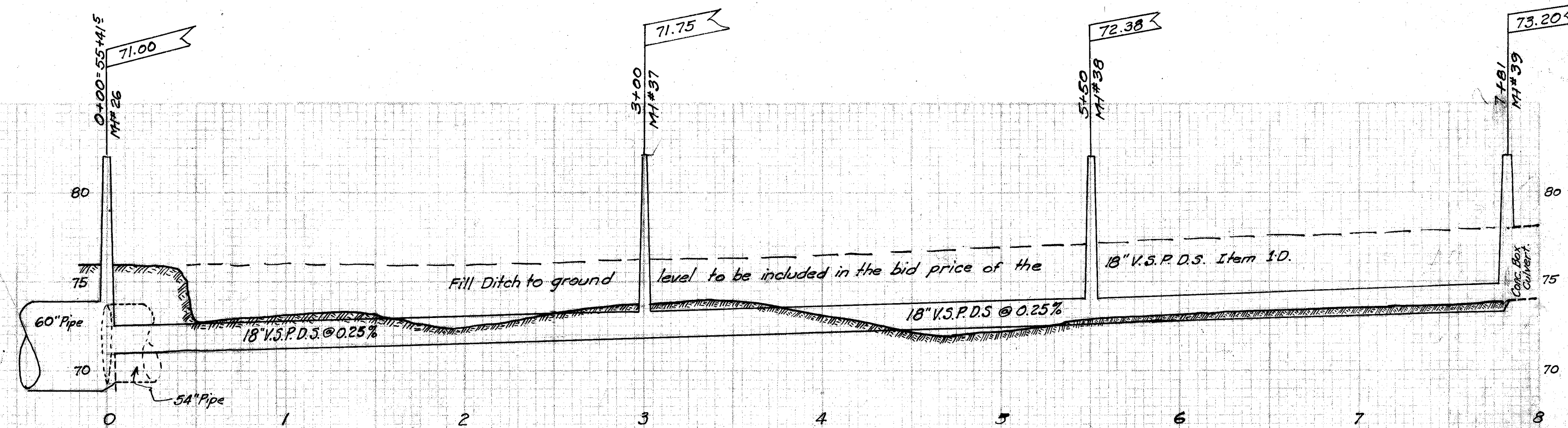
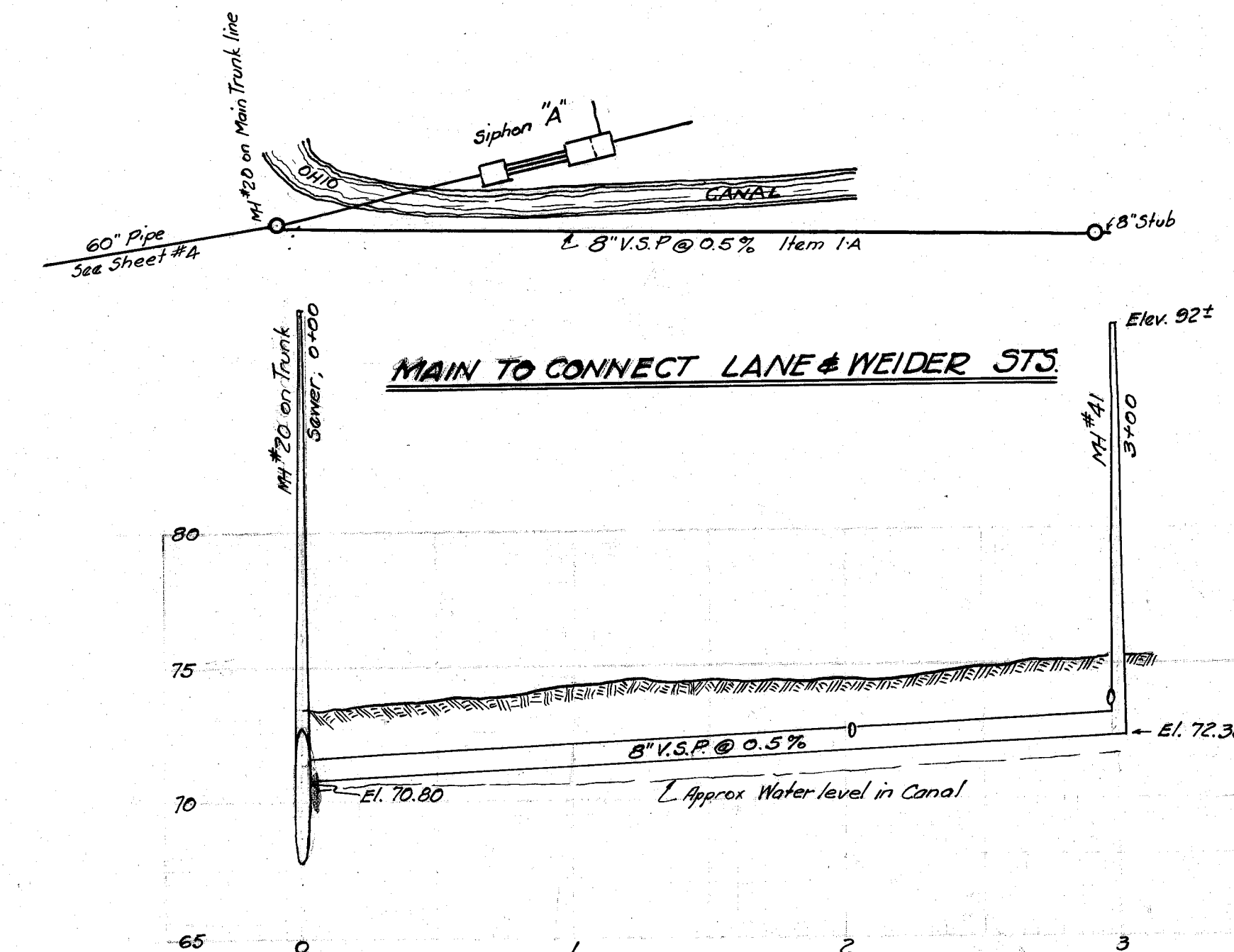
Reinforcing Steel. Longitudinal bars $\frac{3}{8}$ " ϕ deformed spaced as shown. Transversal bars $\frac{3}{8}$ " ϕ deformed, 12" on centers

SECTION "FF"

CITY OF MASSILLON, OHIO.
INLET, OUTLET & SIPHON OF 24"
SEWER ACROSS RIVER
SIPHON "B"

APPROVED: [Signature]
CITY ENGINEER
DESIGNED AND DRAWN BY: Geo. C. Wallace
Scale: 1" = 2'-0"
OCT 13 1935
DEPT. OF PUBLIC SERVICE
ENGINEERING DIVISION

FILE NO SE 315
ACC NO 1280



CITY OF MASSILLON, OHIO PLAN AND PROFILE OF TRUNK SEWER FROM EXISTING TRUNK TO SEWAGE PLANT MAPLE AVE TRUNK CONNECTION & SILKS TRUNK CONNECTION	
APPROVED: <i>C. Rice</i> CITY ENGINEER DESIGNED AND DRAWN BY GEO. C. WALLACE	DEPT. OF PUBLIC SERVICE ENGINEERING DIVISION SCALE 1" = 5'-0" VERT. 1" = 50' HOR. 086 174 1234 NO. 125 - P. 29
FILE NO. 58 315 Acc. No. 1281	