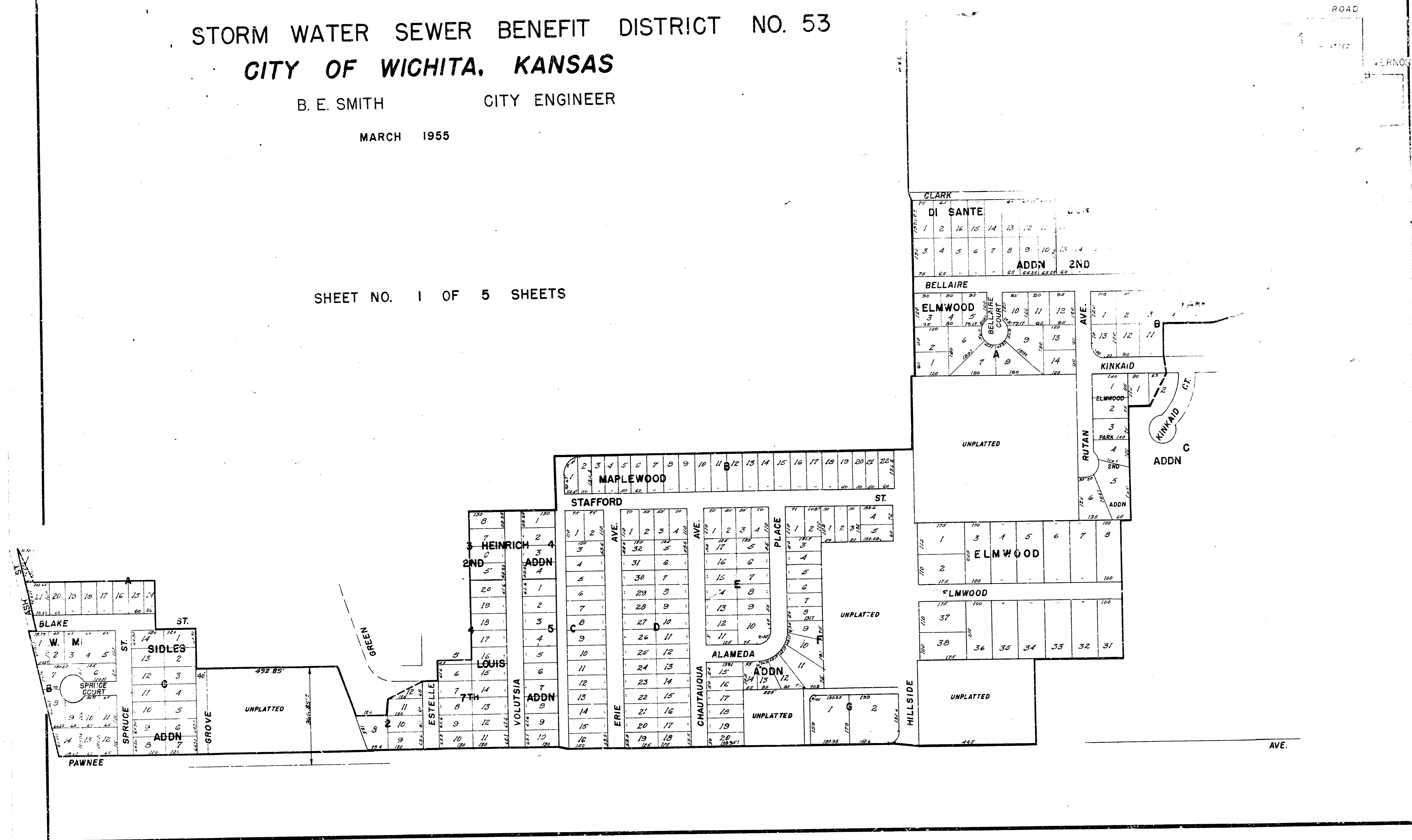


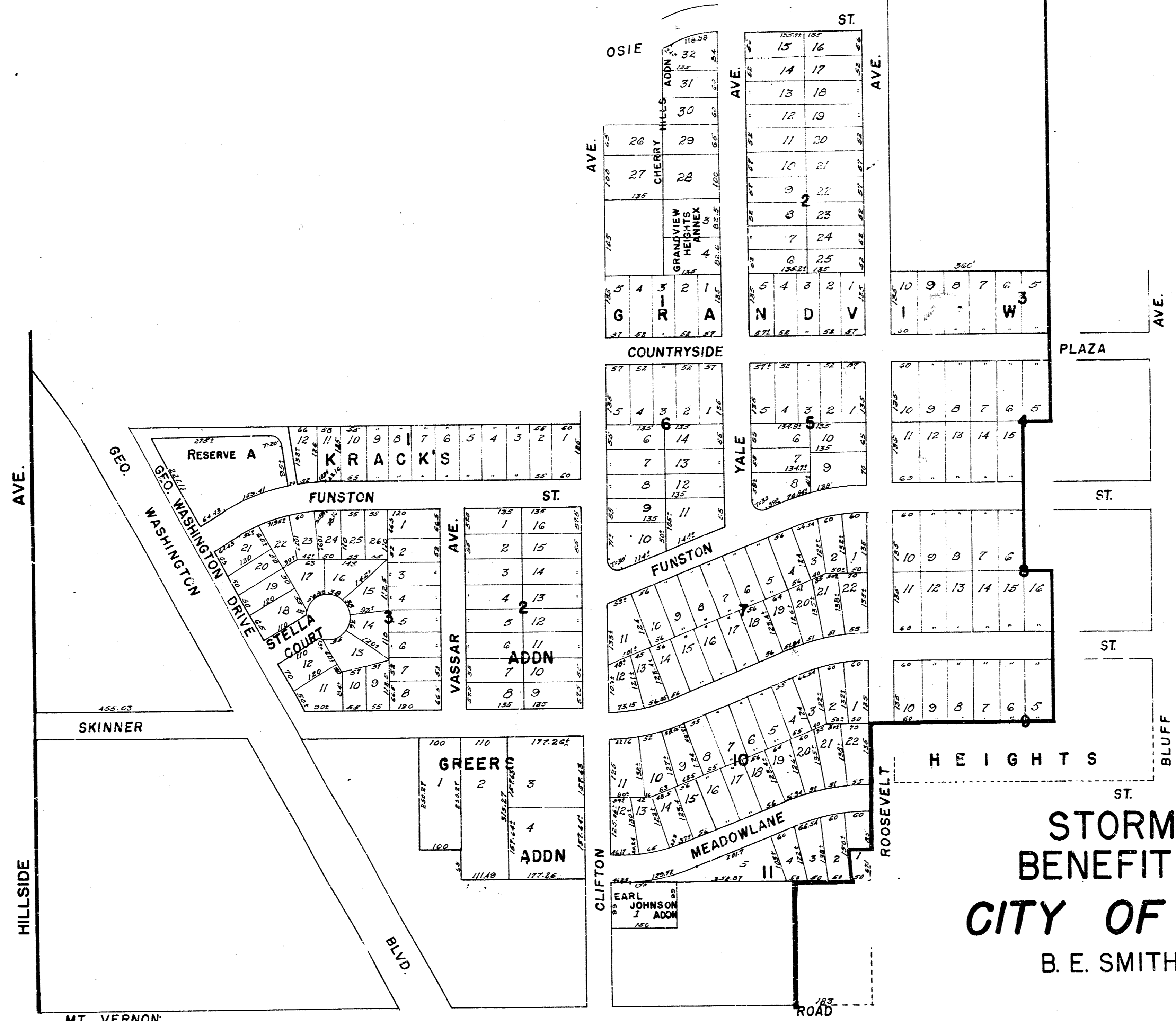
STORM WATER SEWER BENEFIT DISTRICT NO. 53  
CITY OF WICHITA, KANSAS

B. E. SMITH CITY ENGINEER

MARCH 1955

SHEET NO. 1 OF 5 SHEETS





STORM WATER SEWER  
 BENEFIT DISTRICT NO. 53  
**CITY OF WICHITA KANSAS**  
 B. E. SMITH CITY ENGINEER

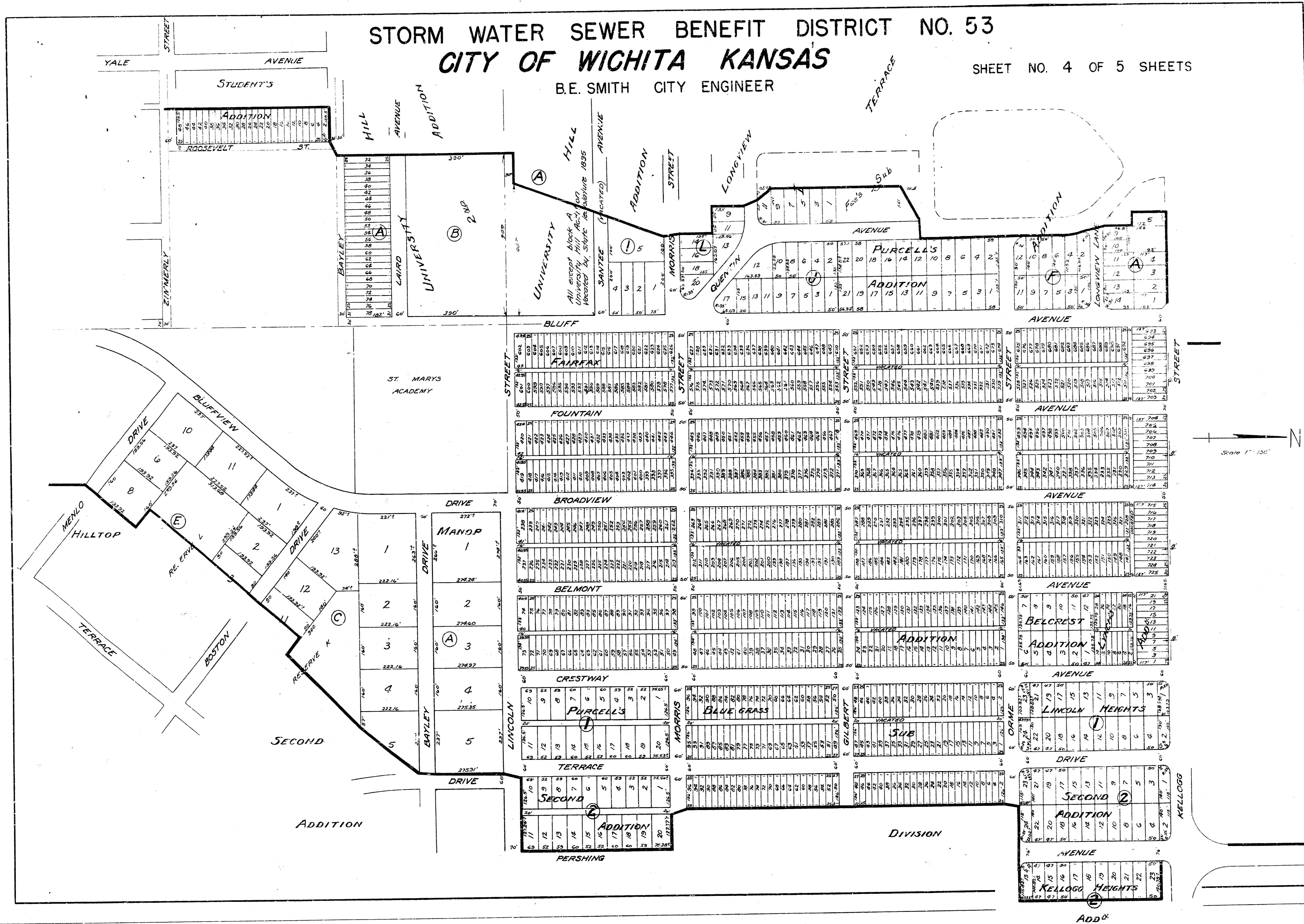
MARCH 1955



STORM WATER SEWER BENEFIT DISTRICT NO. 53  
CITY OF WICHITA KANSAS

B.E. SMITH CITY ENGINEER

SHEET NO. 4 OF 5 SHEETS



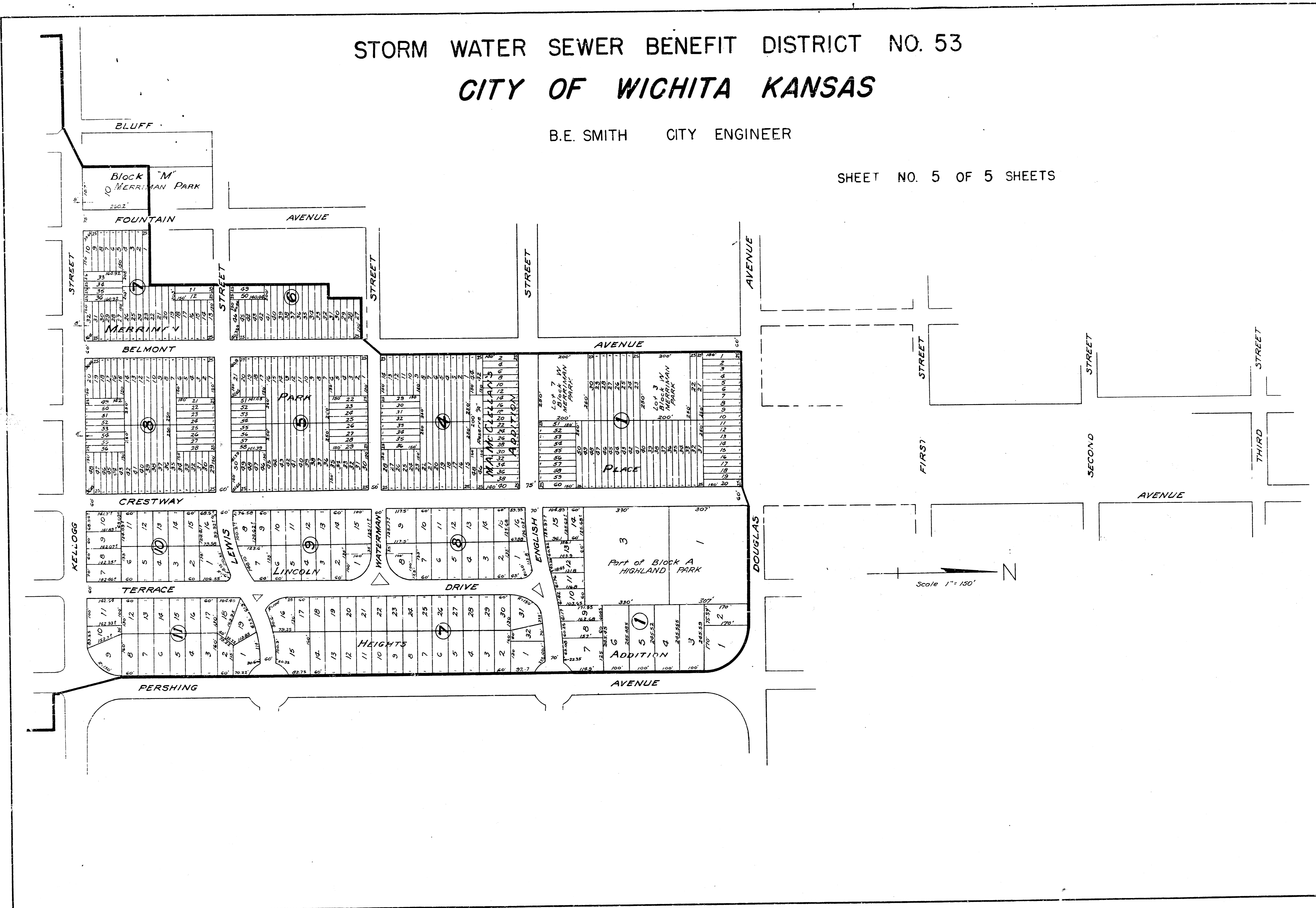
Scale 1" = 150'

Add<sup>d</sup>

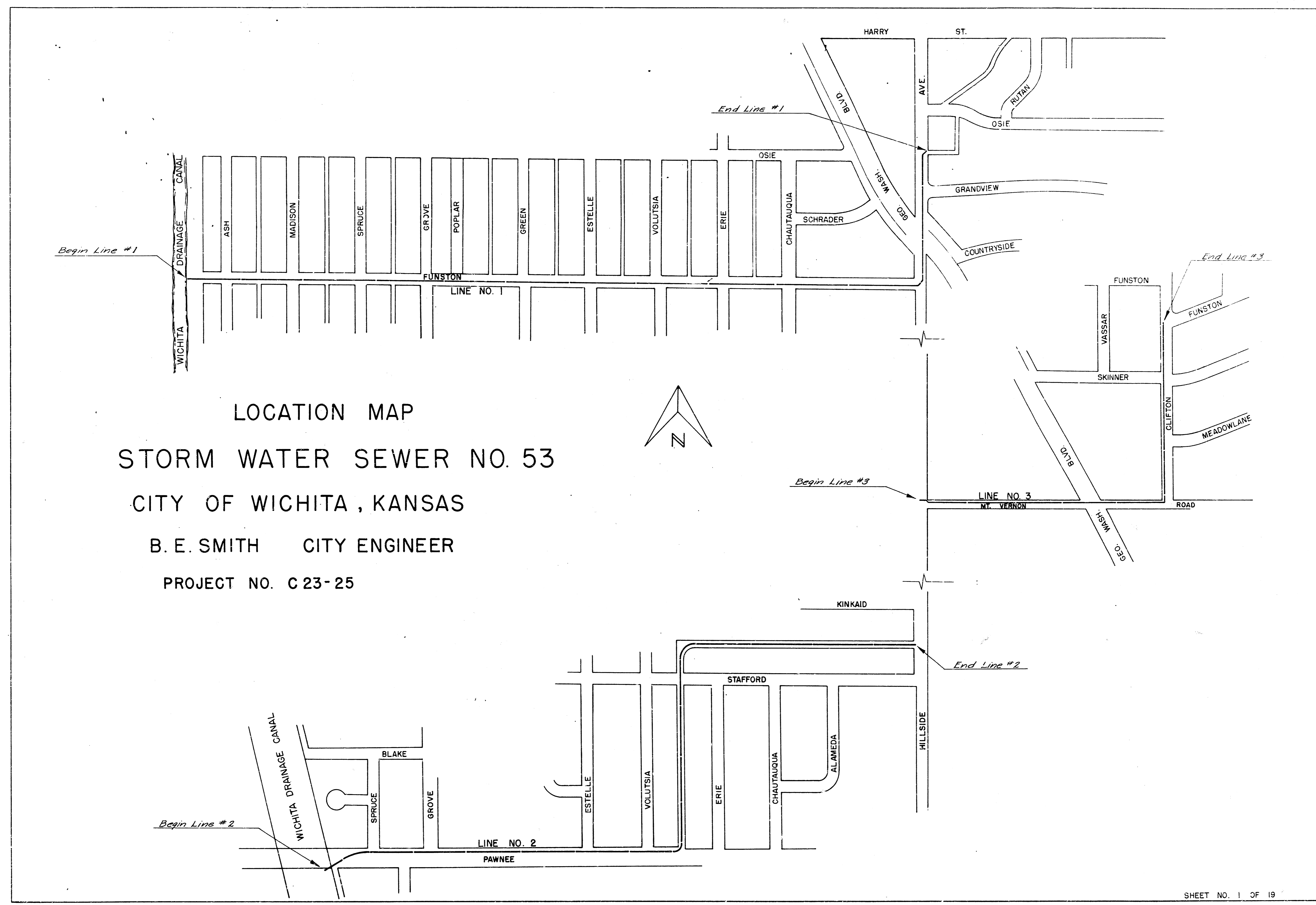
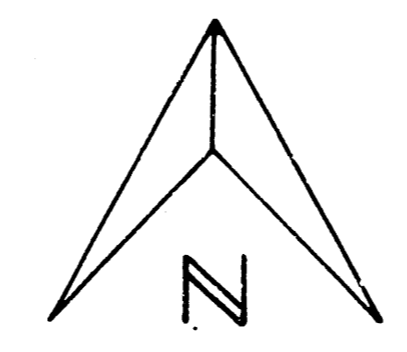
STORM WATER SEWER BENEFIT DISTRICT NO. 53  
CITY OF WICHITA KANSAS

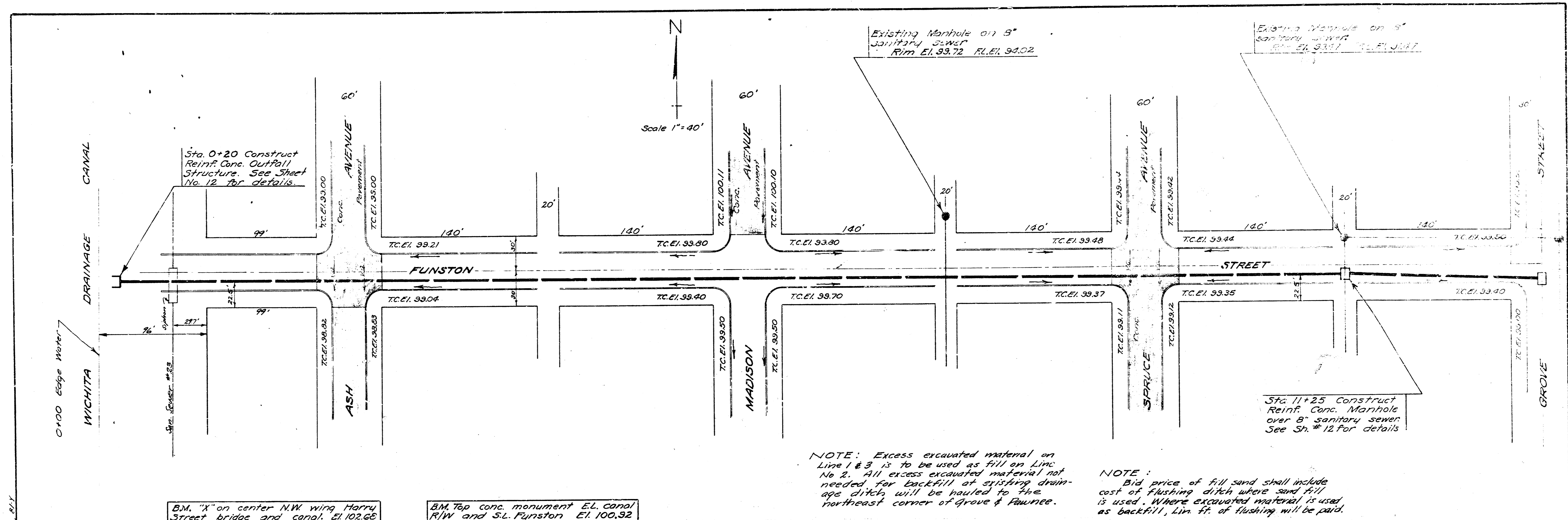
B.E. SMITH CITY ENGINEER

SHEET NO. 5 OF 5 SHEETS



LOCATION MAP  
STORM WATER SEWER NO. 53  
CITY OF WICHITA, KANSAS  
B. E. SMITH CITY ENGINEER  
PROJECT NO. C 23-25



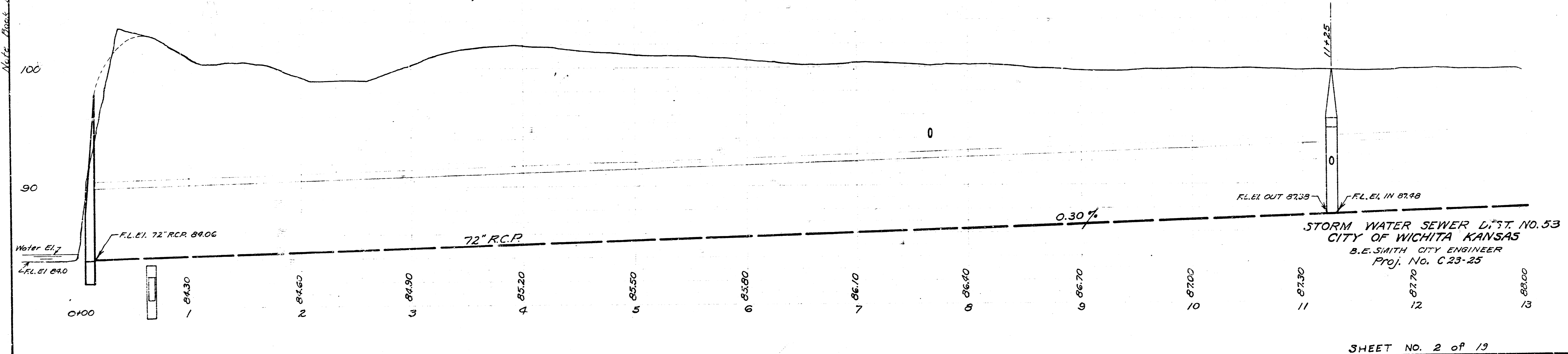


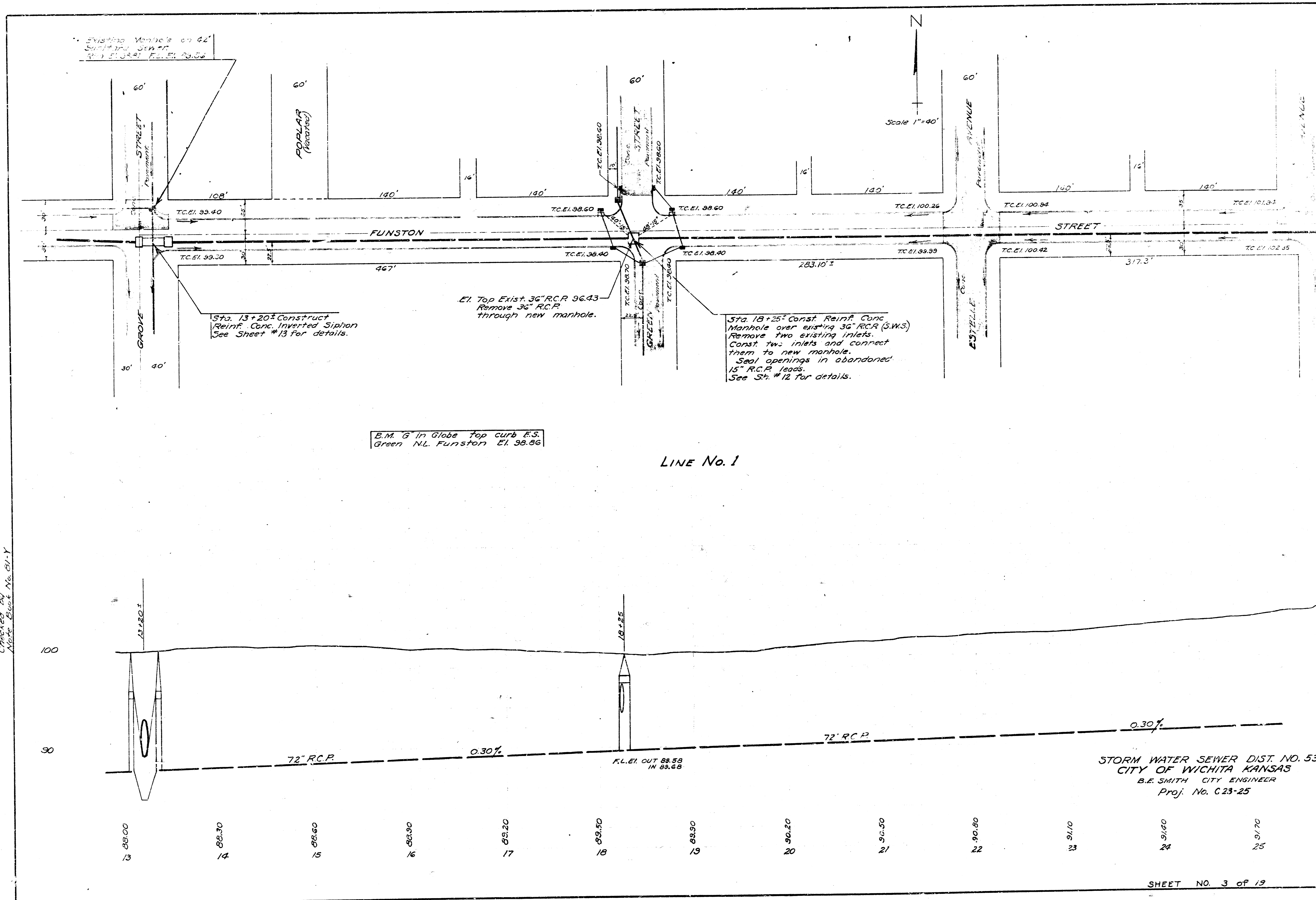
B.M. "X" on center N.W. wing Harry Street bridge and canal. El. 102.65

B.M. Top conc. monument E.L. Canal N.W. and S.E. Funston. El. 100.32

LINE No. 1

Drawn by J.L.A.  
 Checked by M.L.P.  
 Date Check No. 5/3/53, 1054, 1-3, 6-9, 4-11





Existing Manhole on 62' Sidewalk Center Line Station 13+20 F.L. El. 98.68

Sta. 13+20 Const. Rein. Conc. Inverted Siphon See Sheet #13 for details.

El. Top Exist. 36" R.C.P. 96.43 Remove 36" R.C.P. through new manhole.

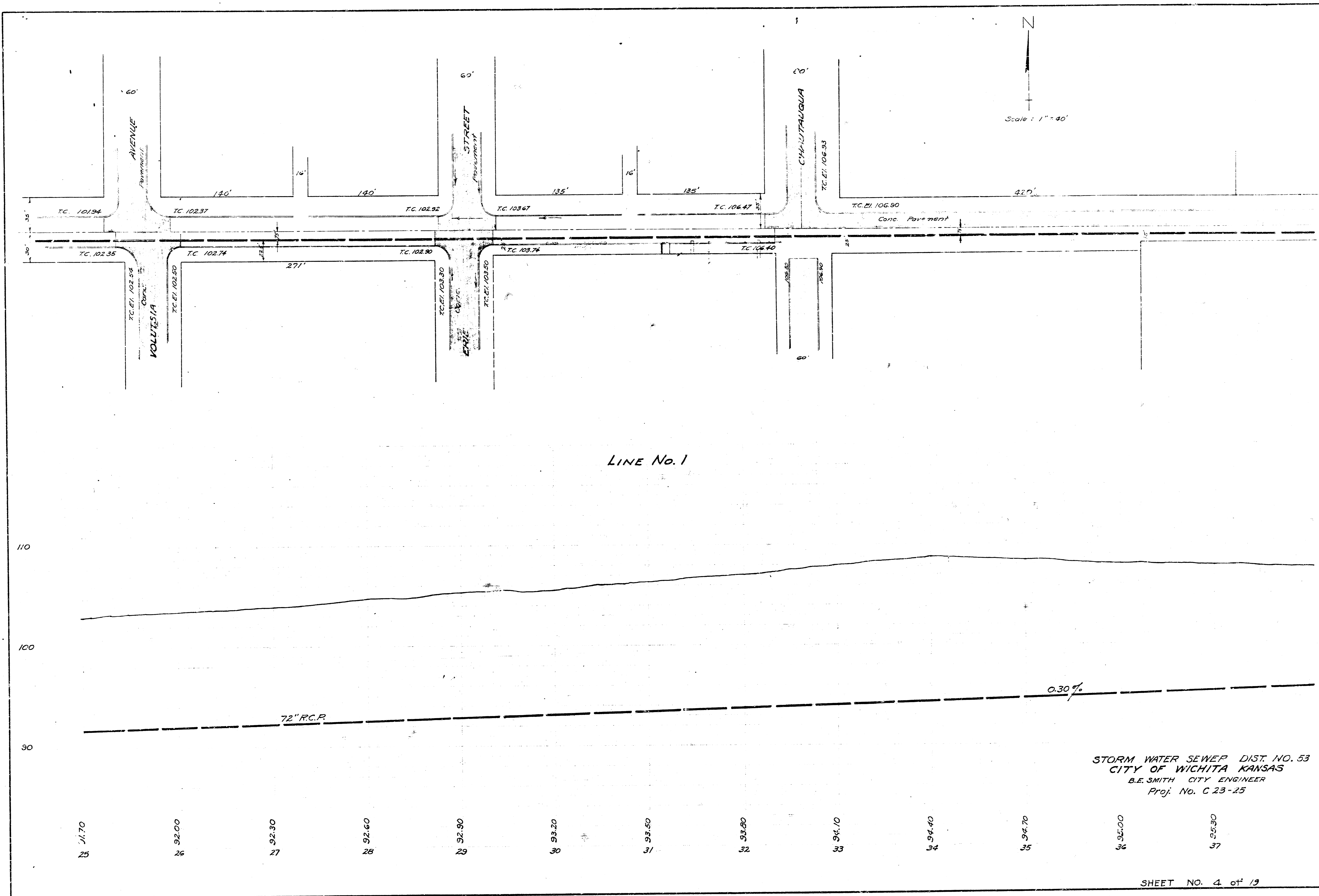
Sta. 18+25 Const. Rein. Conc. Manhole over existing 36" R.C.P. (S.W.S.) Remove two existing inlets. Const. two inlets and connect them to new manhole. Seal openings in abandoned 15" R.C.P. leads. See Sh. #12 for details.

B.M. G in Globe Top curb E.S. Green N.L. Funston El. 98.86

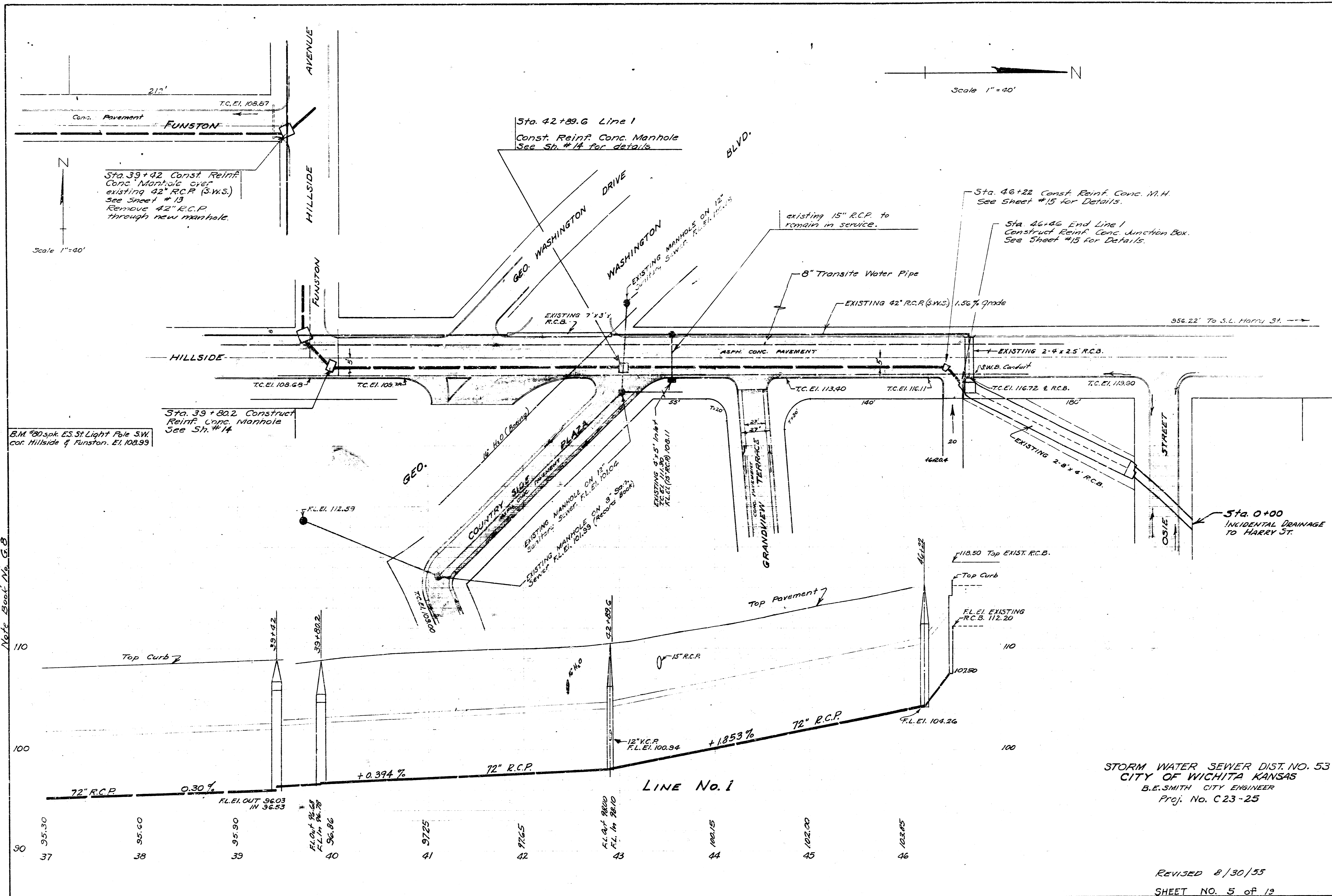
LINE No. 1

Drawn by J.L.A.  
 Checked by M.C.  
 Note Book No. 81-Y

STORM WATER SEWER DIST. NO. 53  
 CITY OF WICHITA KANSAS  
 B.E. SMITH CITY ENGINEER  
 Proj. No. C.23-25



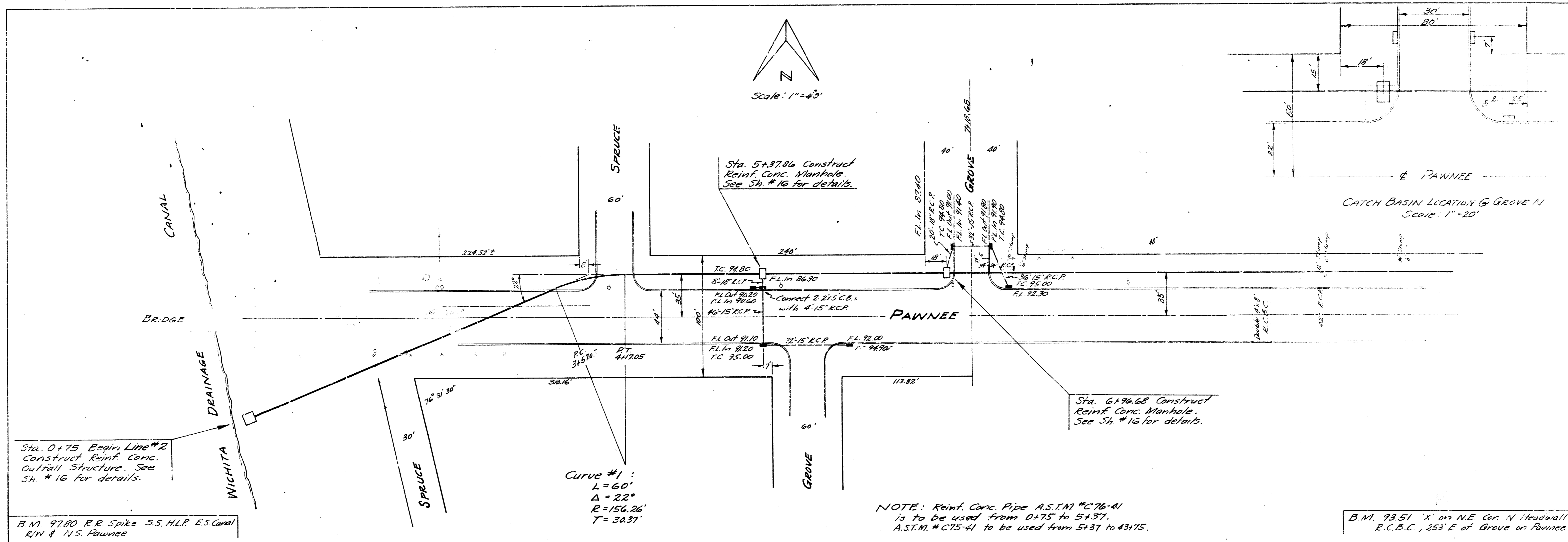
STORM WATER SEWER DIST. NO. 53  
 CITY OF WICHITA KANSAS  
 B.E. SMITH CITY ENGINEER  
 Proj. No. C 23-25



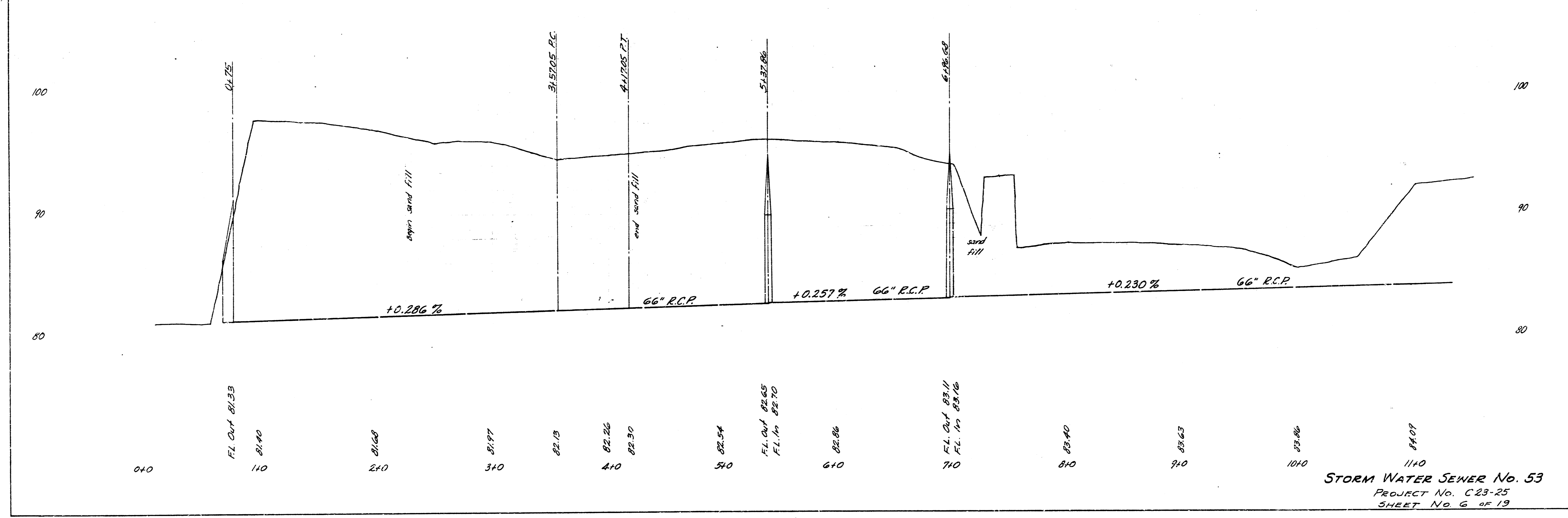
Drawn by J.L.A.  
 Checked by M.C.B.  
 Note Book No. 68

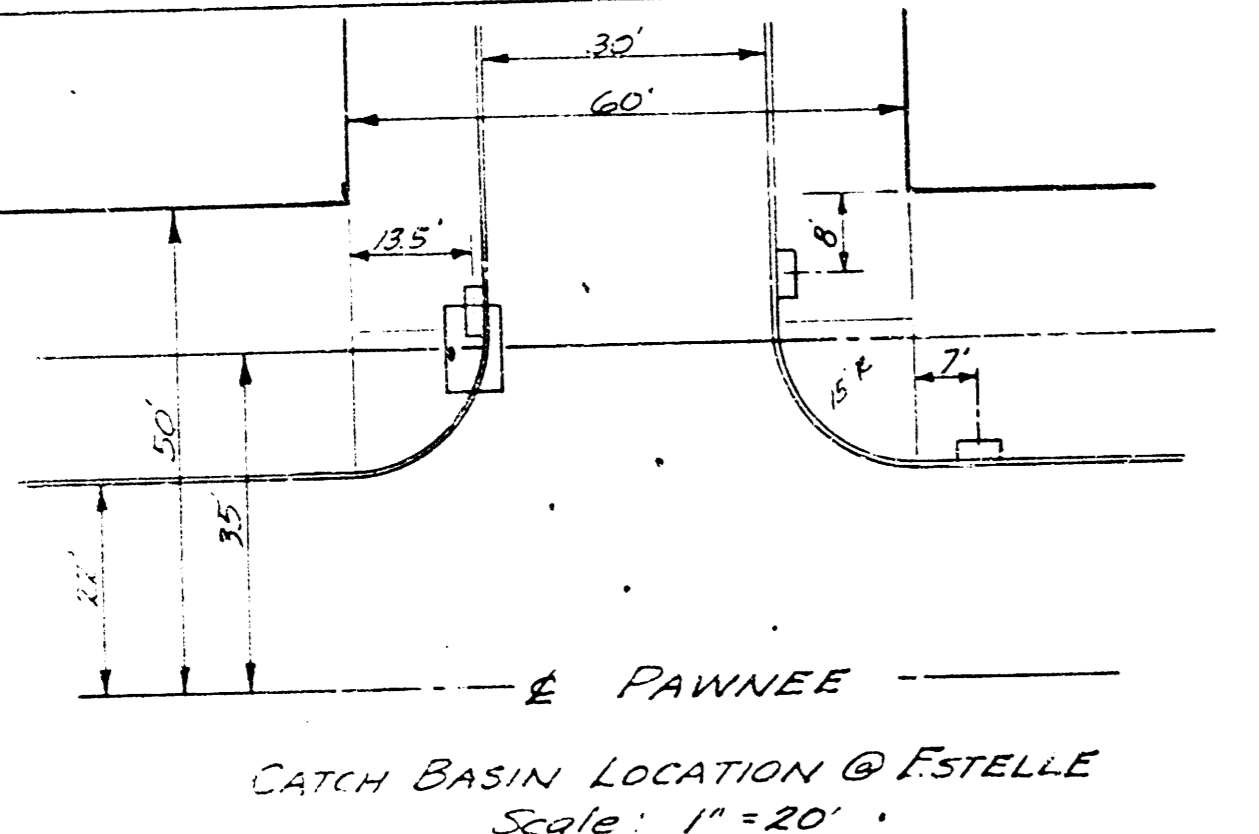
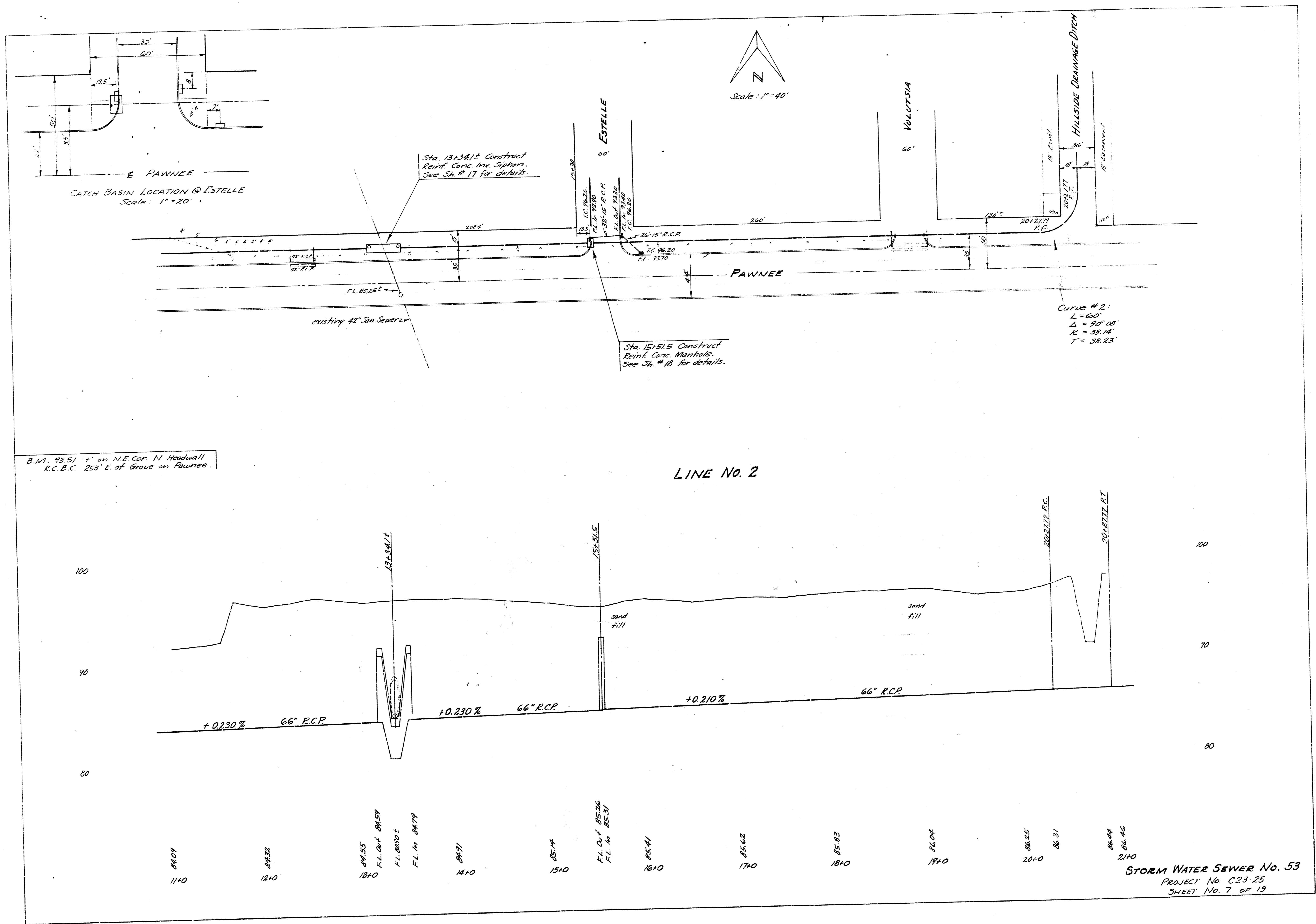
STORM WATER SEWER DIST. NO. 53  
 CITY OF WICHITA KANSAS  
 B.E. SMITH CITY ENGINEER  
 Proj. No. C23-25

REVISED 8/30/55  
 SHEET NO. 5 OF 12



LINE No. 2





Sta. 13+34.1 Construct  
Reinf. Conc. Inv. Siphon.  
See Sh. # 17 for details.

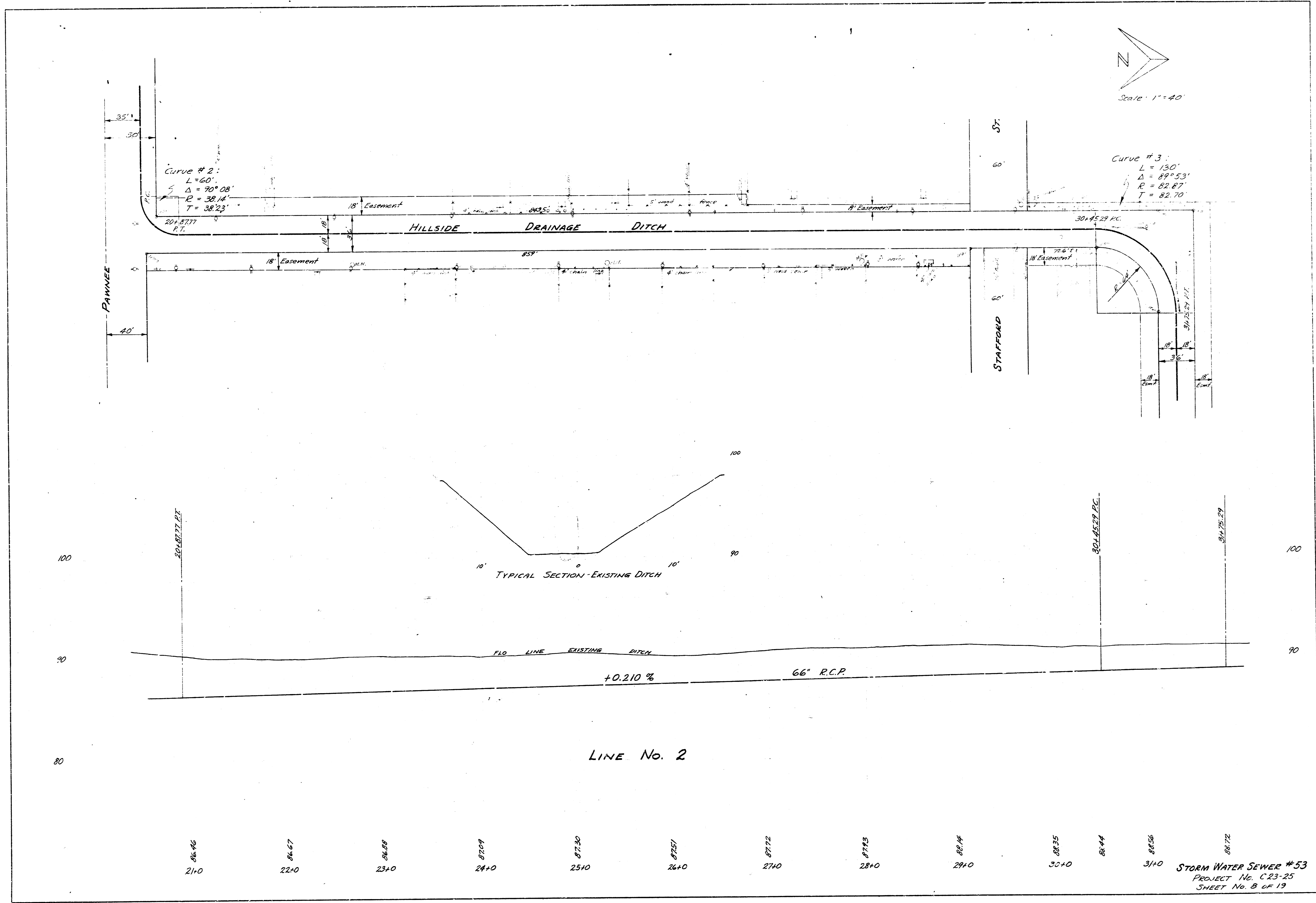
Sta. 15+51.5 Construct  
Reinf. Conc. Manhole.  
See Sh. # 18 for details.

CURVE # 2:  
L = 60'  
Δ = 90° 00'  
R = 39.14'  
T = 39.23'

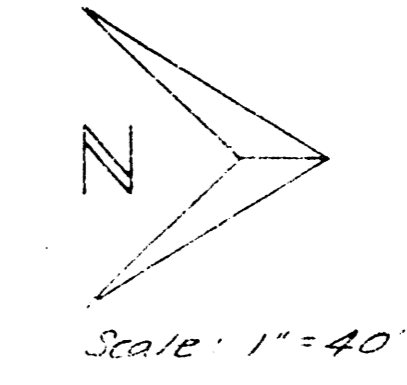
B.M. 93.51 + on N.E. Cor. N. Headwall  
R.C.B.C. 253' E. of Grove on Pawnee.

LINE No. 2

STORM WATER SEWER No. 53  
PROJECT No. C23-25  
SHEET No. 7 OF 13



Curve # 2:  
 L = 60'  
 Δ = 90° 08'  
 R = 38.14'  
 T = 38.23'



Curve # 3:  
 L = 130'  
 Δ = 89° 53'  
 R = 82.87'  
 T = 82.70'

HILLSIDE DRAINAGE DITCH

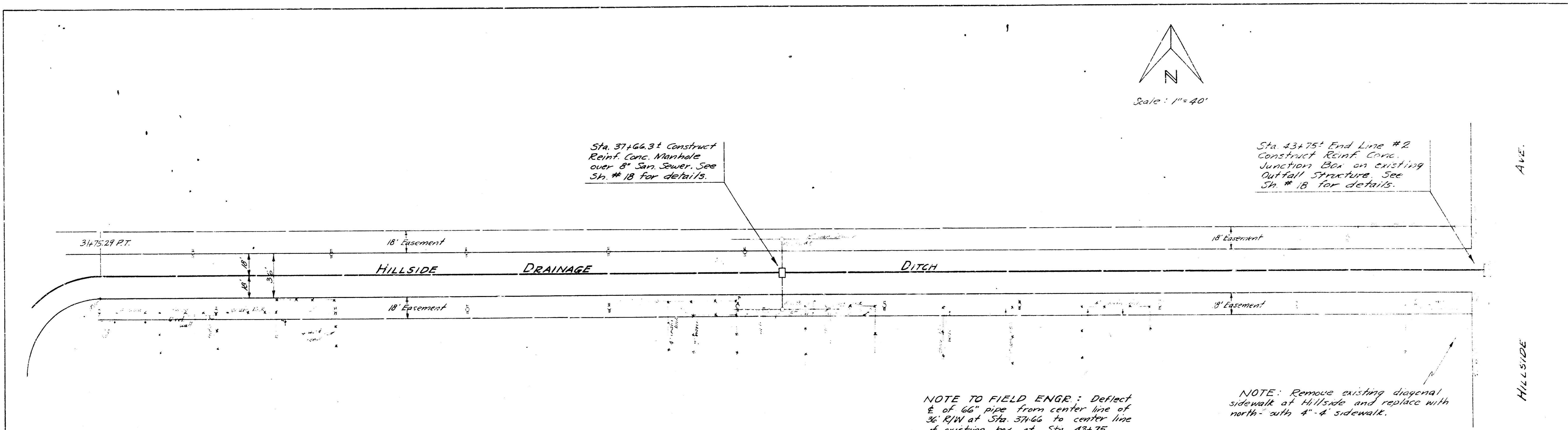
STAFFORD ST

TYPICAL SECTION - EXISTING DITCH

LINE No. 2

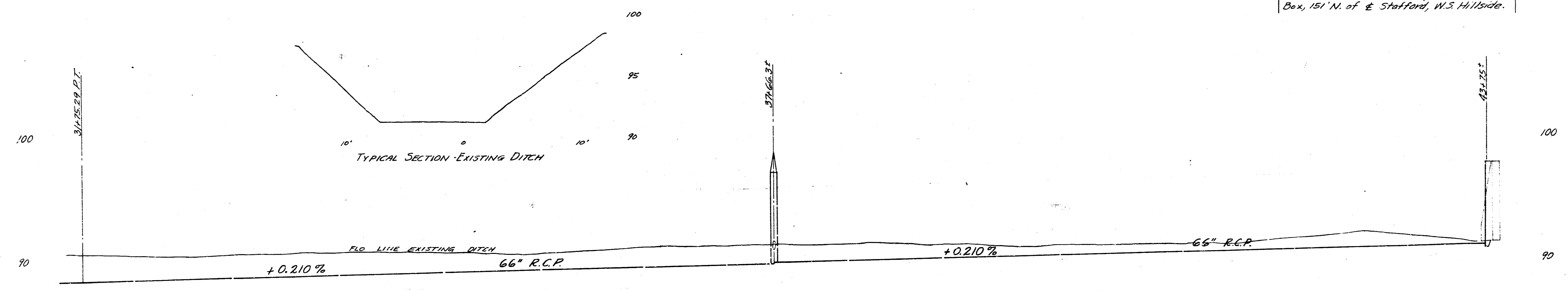
21+0      22+0      23+0      24+0      25+0      26+0      27+0      28+0      29+0      30+0      31+0  
 86.96      86.67      86.88      87.09      87.30      87.51      87.72      87.93      88.14      88.35      88.44      88.56      88.72

STORM WATER SEWER #53  
 PROJECT No. C23-25  
 SHEET No. 8 OF 13



NOTE TO FIELD ENGR: Deflect  $\frac{1}{2}$  of 66" pipe from center line of 36' R/W at Sta. 37+66 to center line of existing box at Sta. 43+75.

NOTE: Remove existing diagonal sidewalk at Hillside and replace with north-south 4'-4" sidewalk.

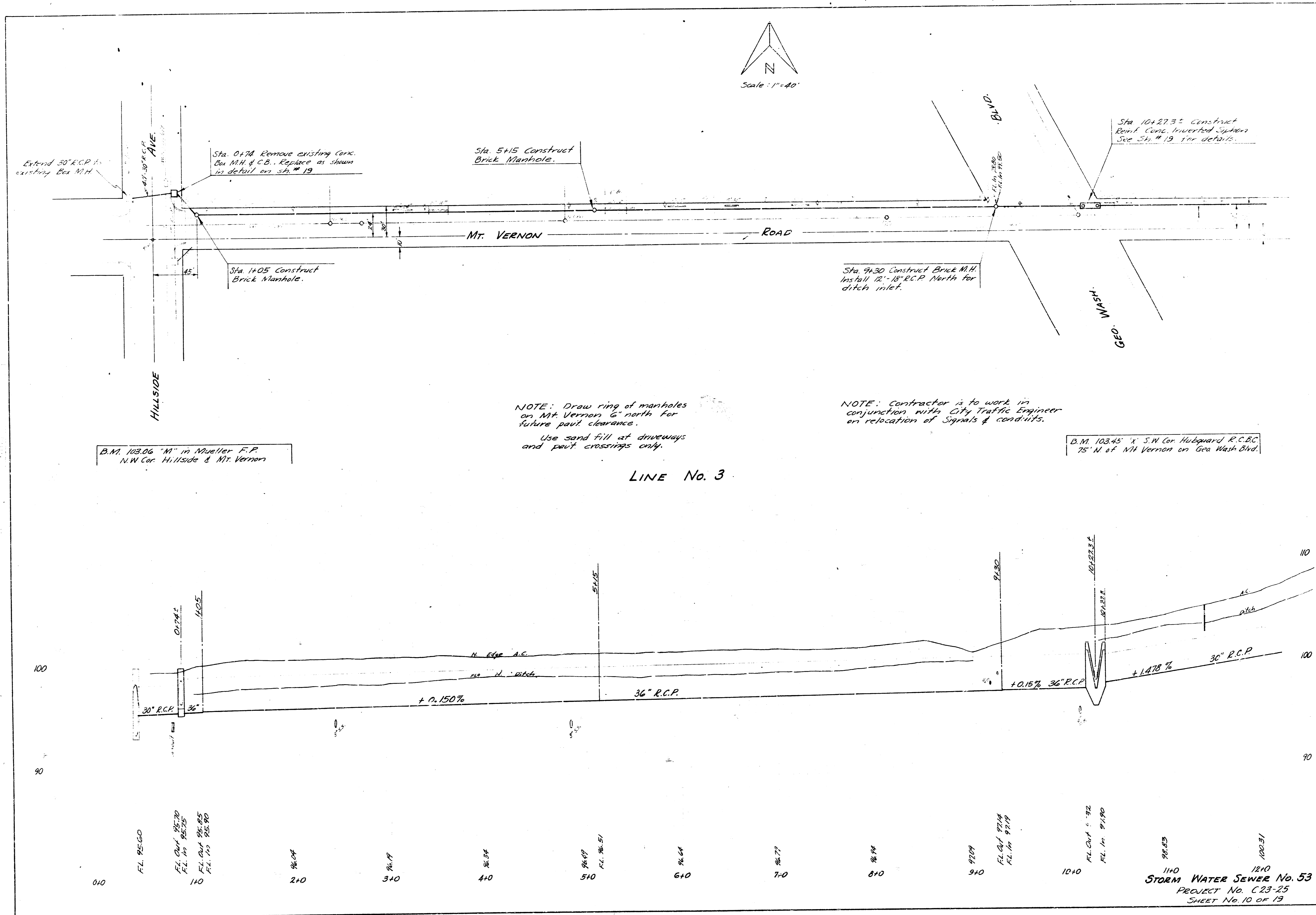


B.M. 103.418 Standard  
N.E. Cor. Hillside & Pawnee  
B.M. 98.00' x' c+r, top S.W.S. Outlet  
Box, 151' N. of E. Stafford, W.S. Hillside.

LINE No. 2

88.72	88.77	88.95	89.19	89.40	89.61	89.82	FL. Cur. 89.96 FL. in 90.06	89.18	89.34	89.55	89.76	89.97	91.18	FL. Cur. 91.34 existing 1/2" 8" x 5"
32+0		33+0	34+0	35+0	36+0	37+0	38+0	39+0	40+0	41+0	42+0	43+0		

STORM WATER SEWER #53  
PROJECT No. C23-25  
SHEET No. 9 of 12



Scale: 1"=40'

Extend 30" R.C.P. to existing Box M.H.

Sta. 0+74 Remove existing Concr. Box M.H. & C.B. Replace as shown in detail on sh. # 19

Sta. 5+15 Construct Brick Manhole.

Sta. 10+27.3 Construct Rein. Conc. Inverted Siphon See Sh. # 19 for details.

Sta. 1+05 Construct Brick Manhole.

Sta. 9+30 Construct Brick M.H. Install 12"-18" R.C.P. North for ditch inlet.

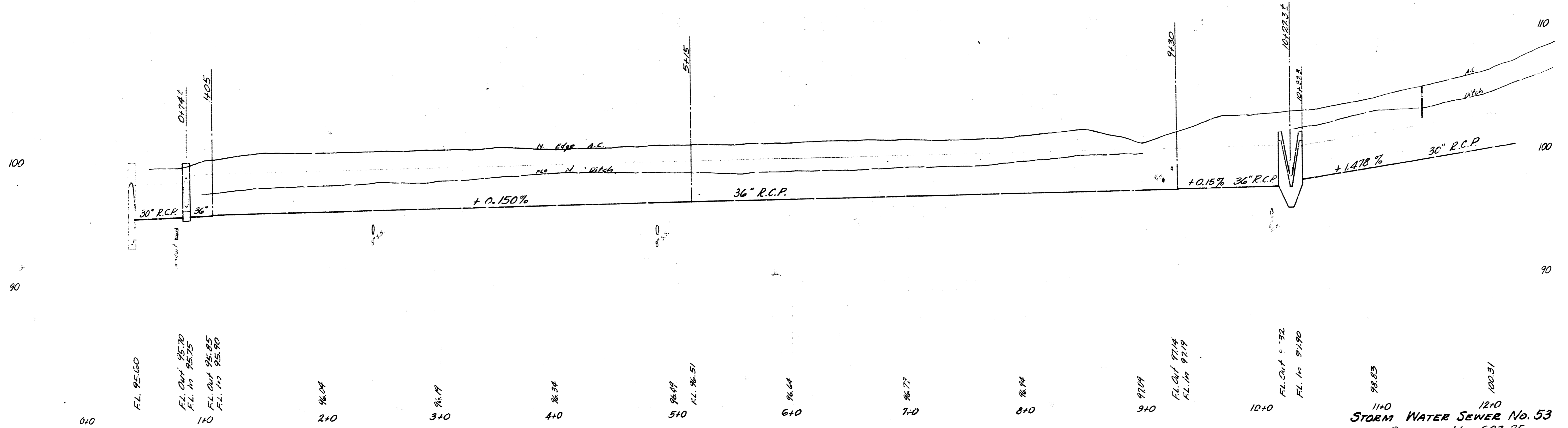
NOTE: Draw ring of manholes on Mt. Vernon 6' north for future park clearance.  
Use sand fill at driveways and pavement crossings only.

NOTE: Contractor is to work in conjunction with City Traffic Engineer on relocation of Signals & conduits.

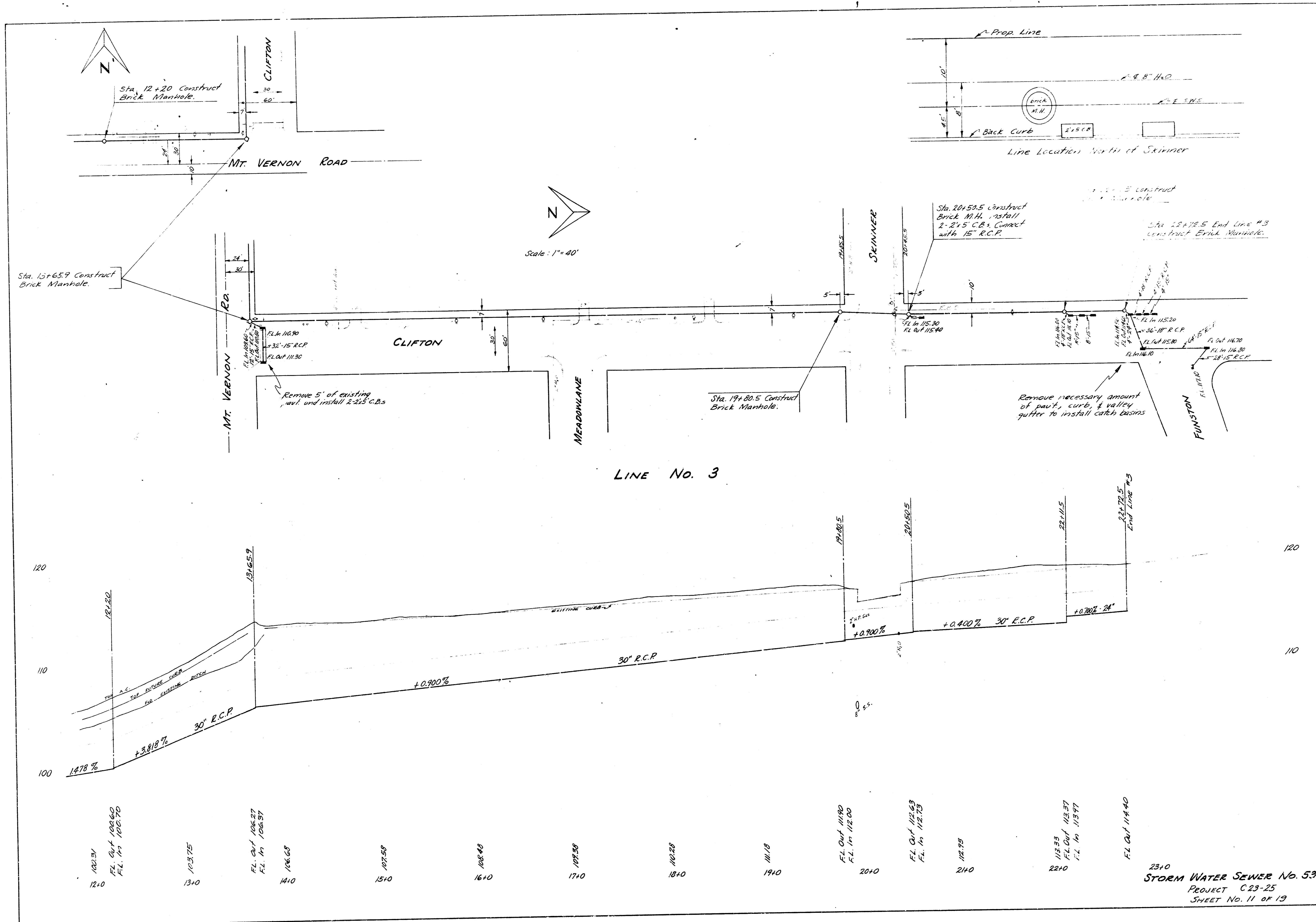
B.M. 103.06 "M" in Mueller F.P. N.W. Cor. Hillside & Mt. Vernon

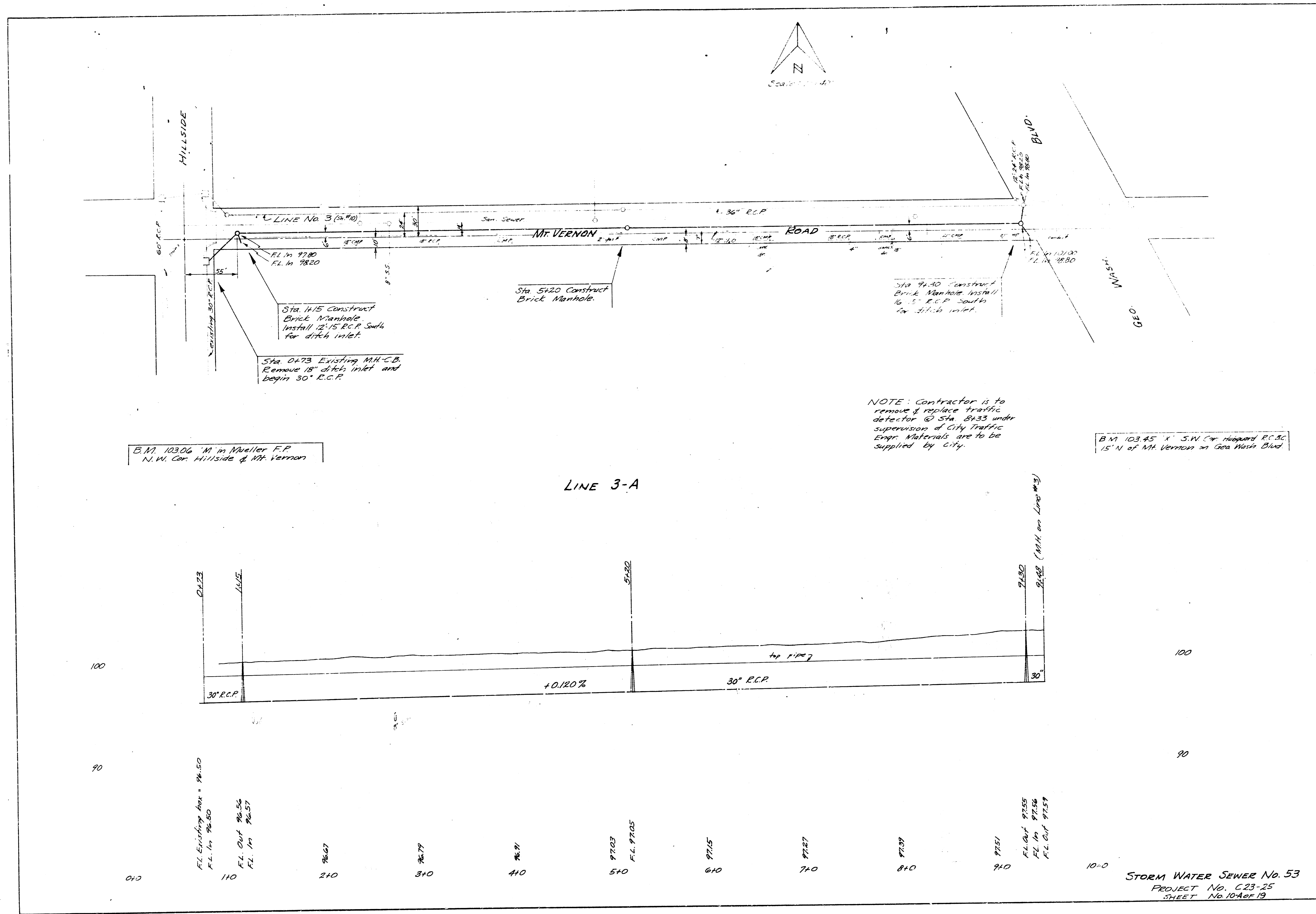
B.M. 103.45 "X" S.W. Cor. Hubguard R.C.B.C. 75' N. of Mt. Vernon on Geo Wash Blvd.

LINE No. 3

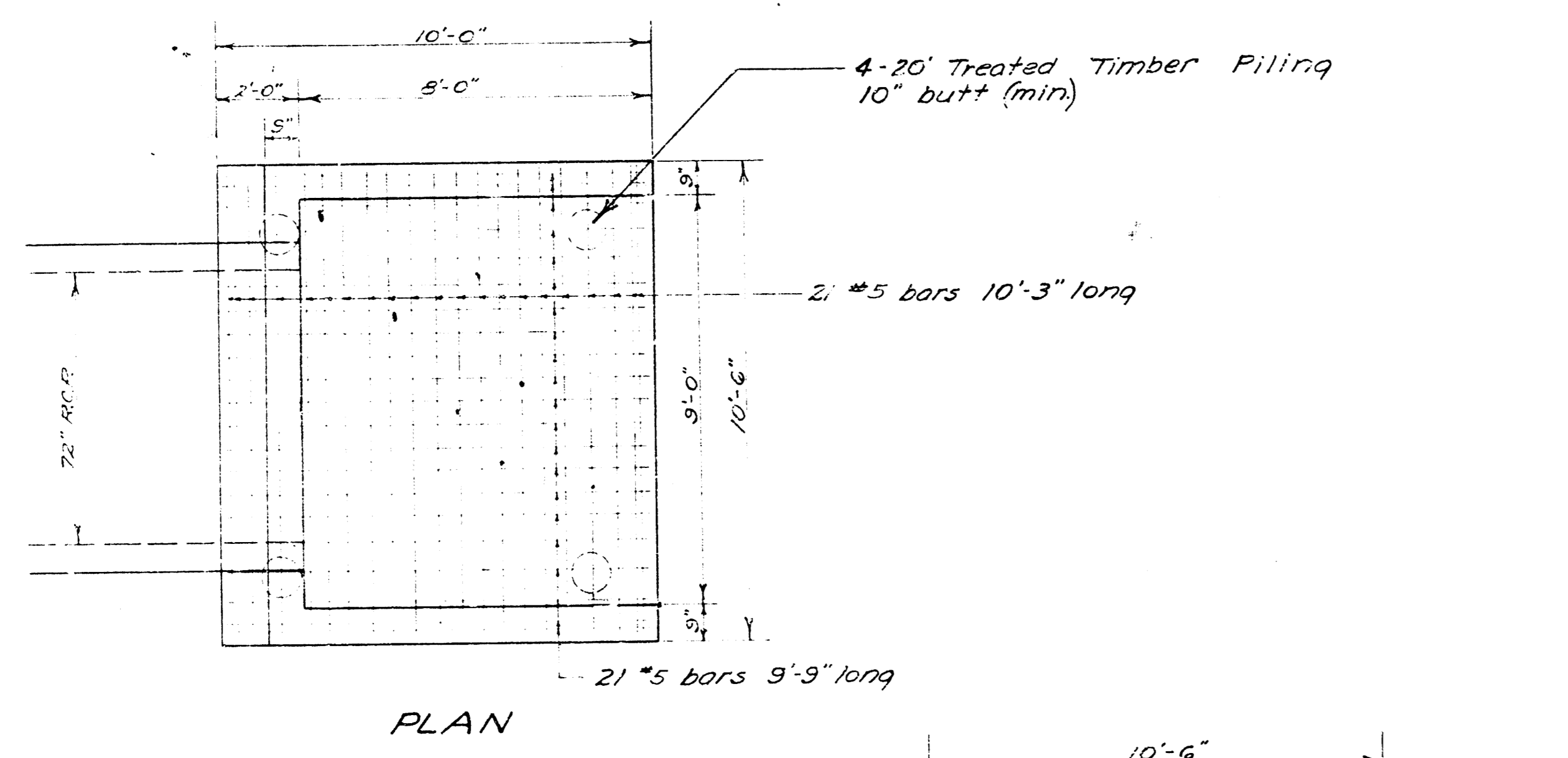


STORM WATER SEWER No. 53  
PROJECT No. C23-25  
SHEET No. 10 of 19

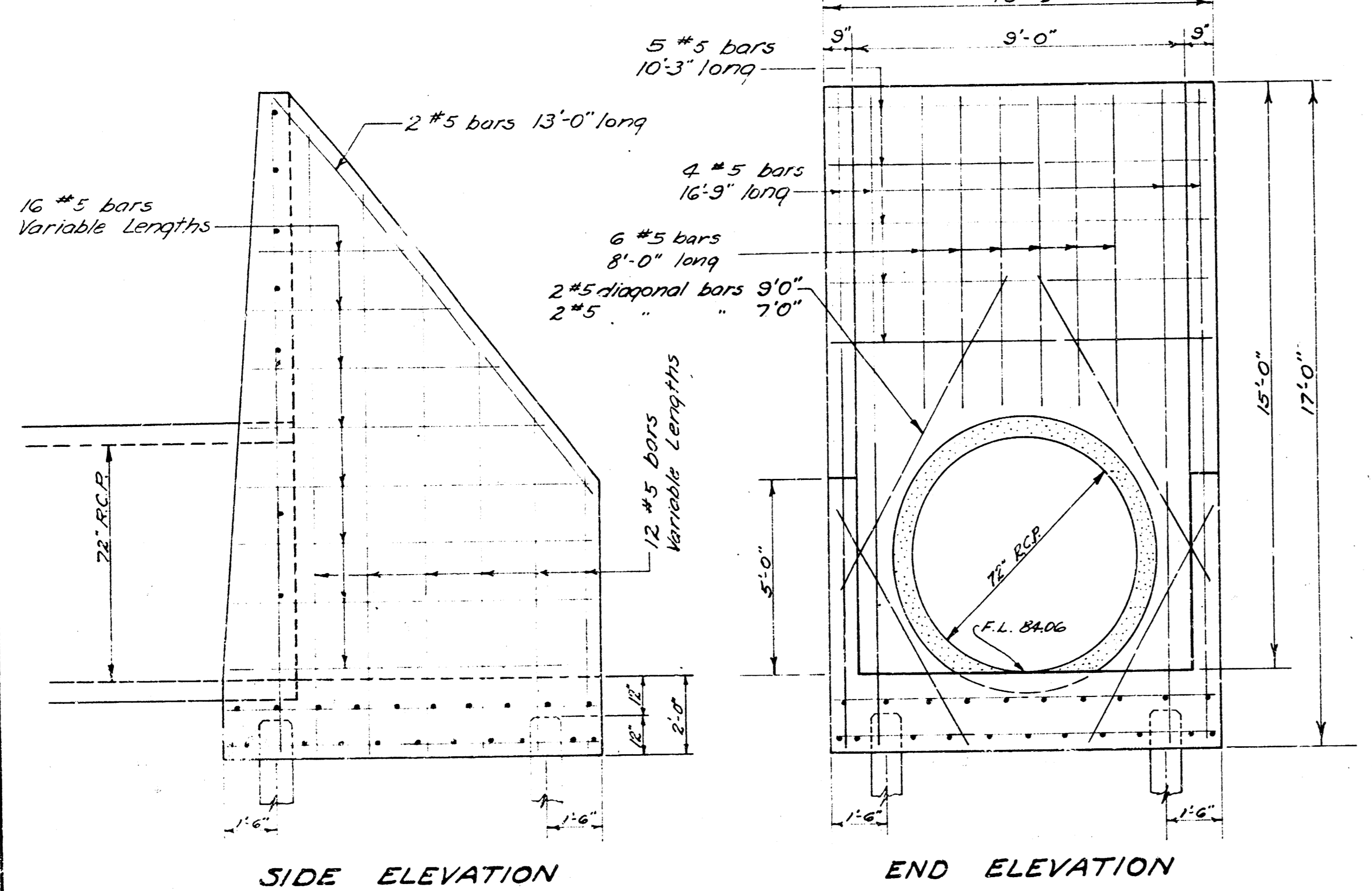




J.K. Linn  
 1/24/19



PLAN

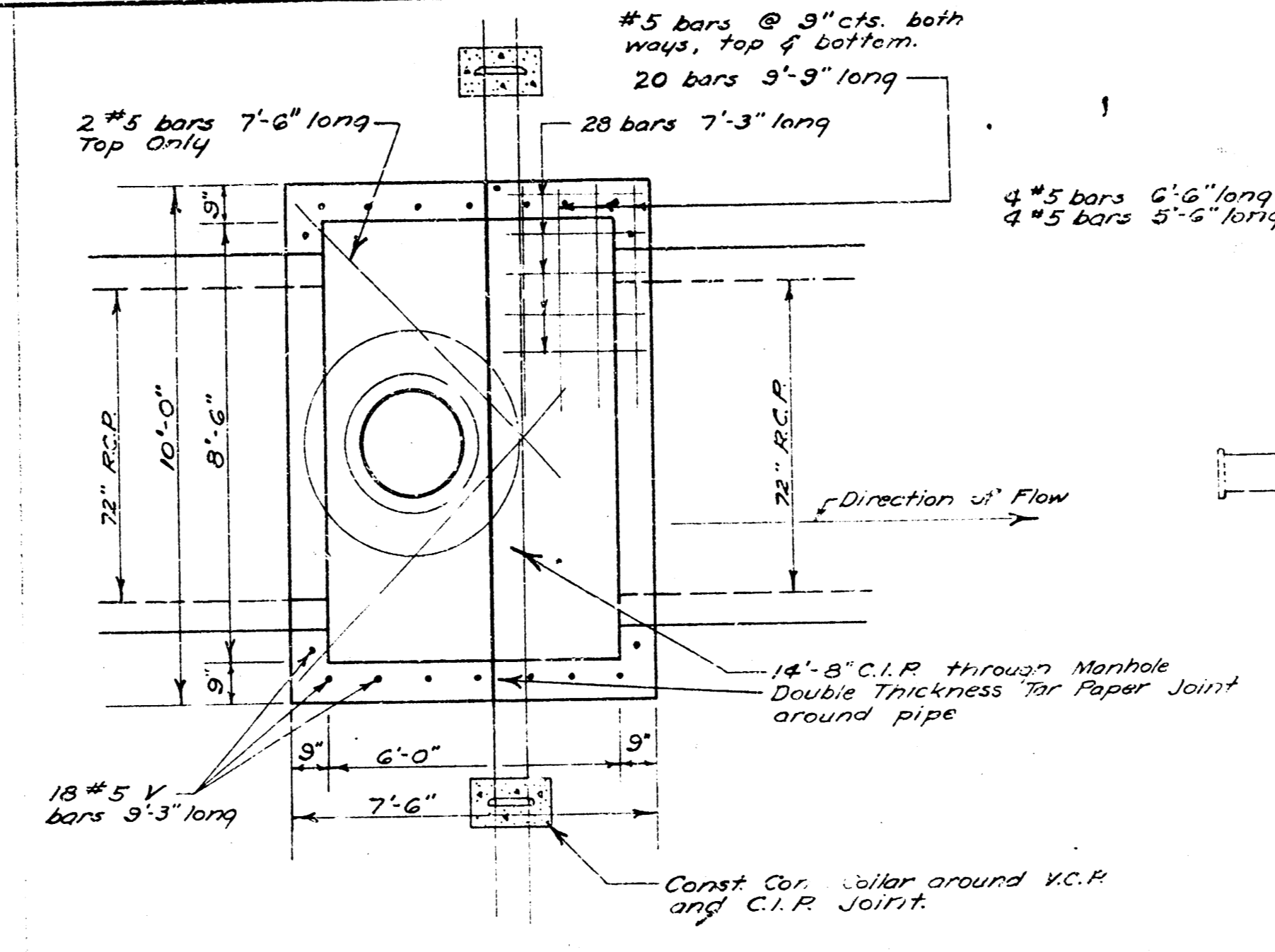


SIDE ELEVATION

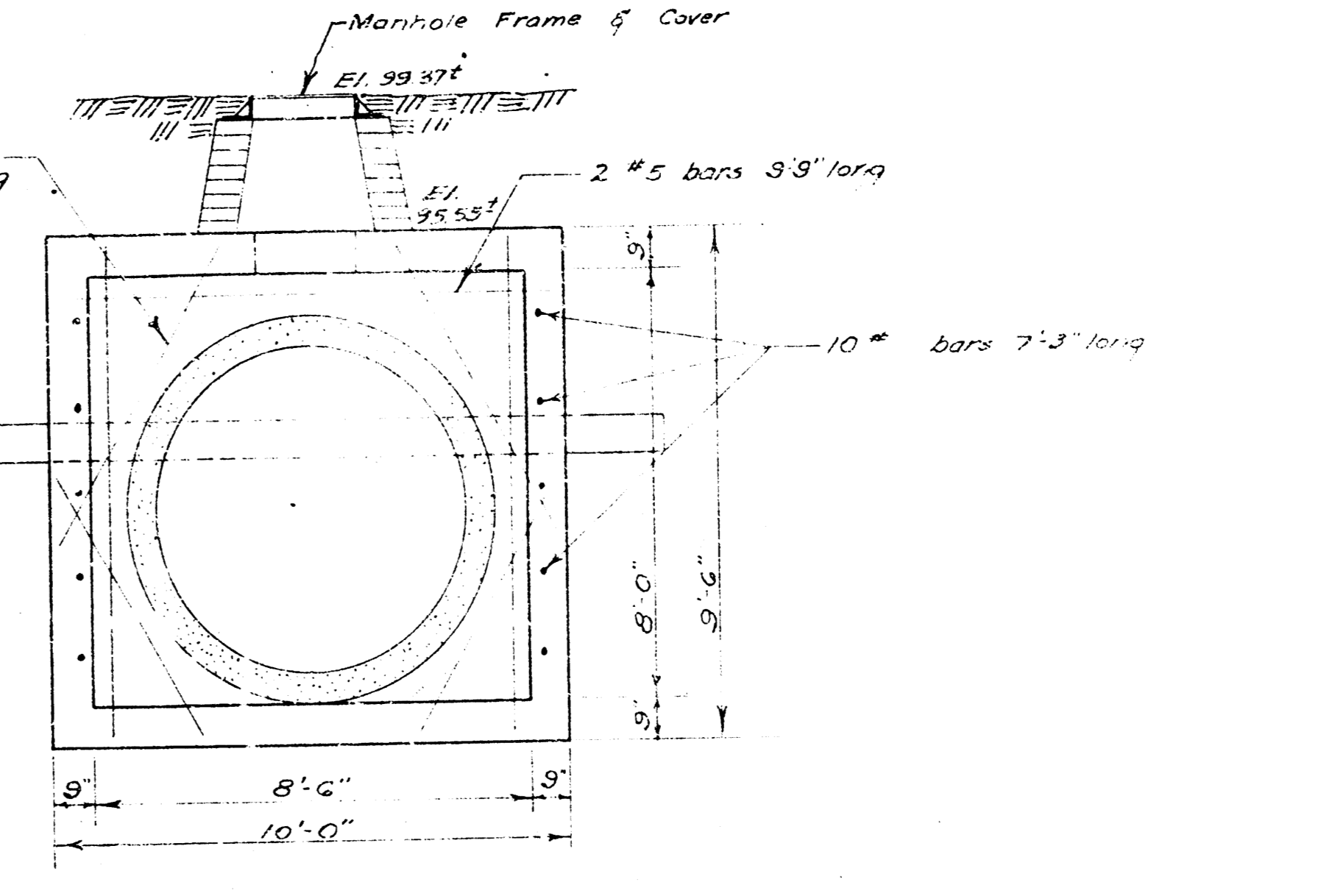
END ELEVATION

REINF. CONC. OUTFALL STRUCTURE  
LINE No. 1  
Scale: 3/8" = 1'-0"

Concrete for structures shall contain not less than 1.65 bbls. of cement per cu. yd. of concrete. In no event shall the total water content exceed 6.25 gals. per sack of cement. The mixture of fine and coarse aggregate shall be such as will produce a maximum density of a most workable mixture.  
IN GENERAL - Pipes will enter and leave the manholes at various angles and elevations. Where possible bend reinforcing bars around pipes (6" diam or less). Where pipes are large use diagonal bars as shown.  
The floor of the manhole is to be shaped for flow and drainage.  
No deduction in concrete quantities shall be made for pipe openings.  
No addition in concrete quantities shall be made for shaping manhole floor. An internal vibrator shall be used for placing concrete.



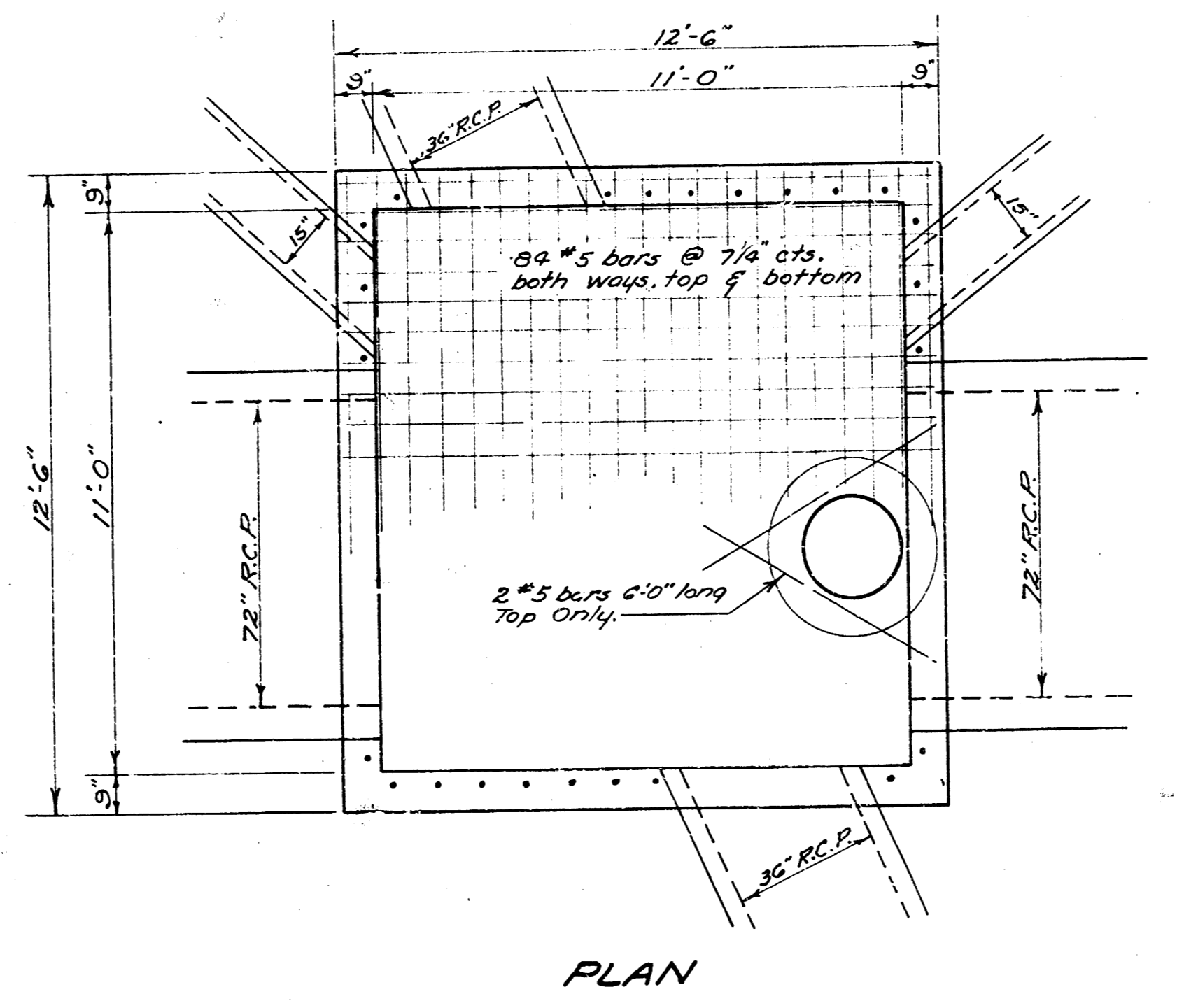
PLAN



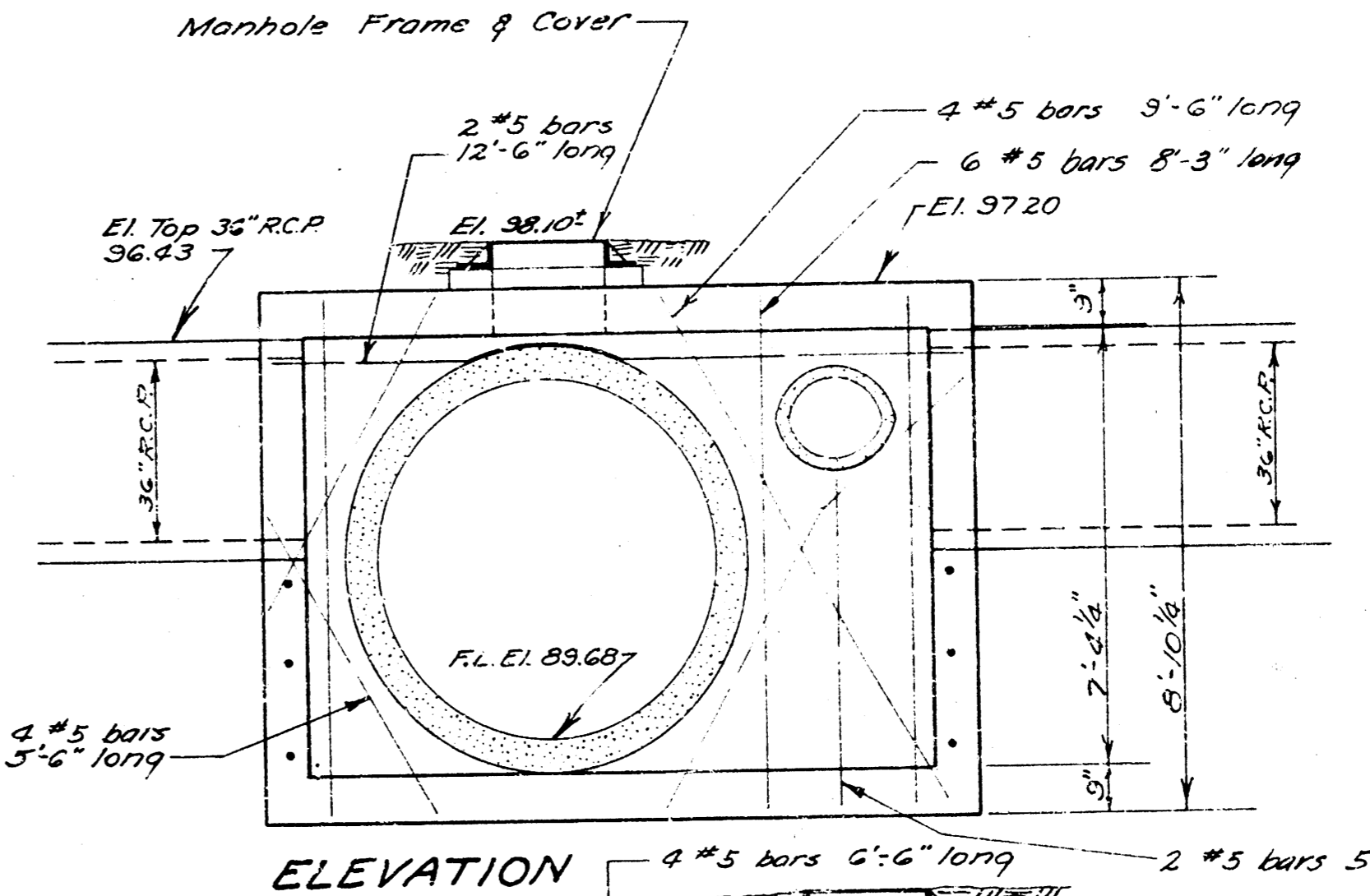
ELEVATION

REINF. CONC. MANHOLE Sta. 11+25  
LINE No. 1  
Scale: 3/8" = 1'-0"

NOTE: Cost of removal of 8" V.C.R. is to be included in bid price of Cast Iron Pipe.



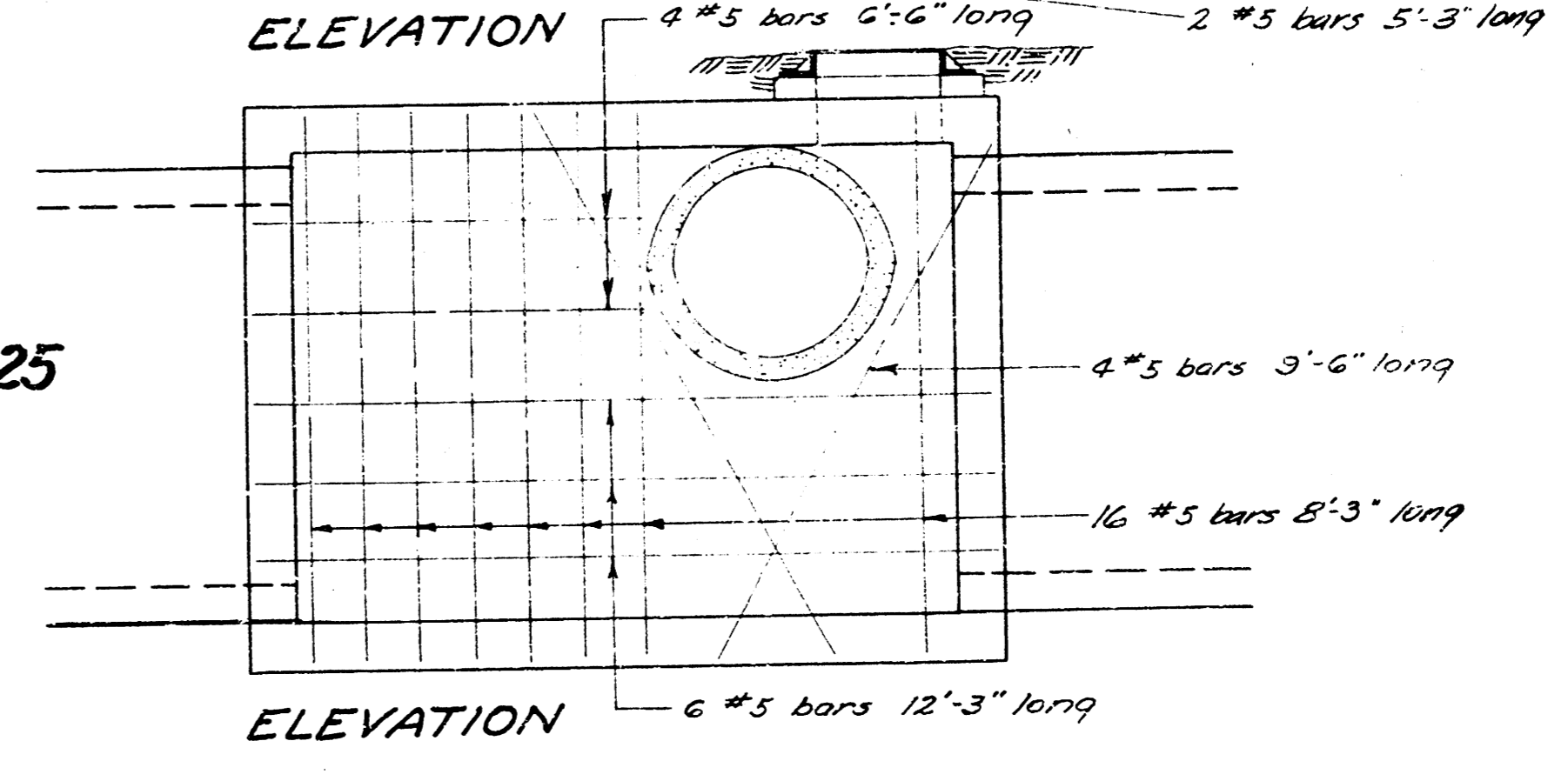
PLAN



ELEVATION

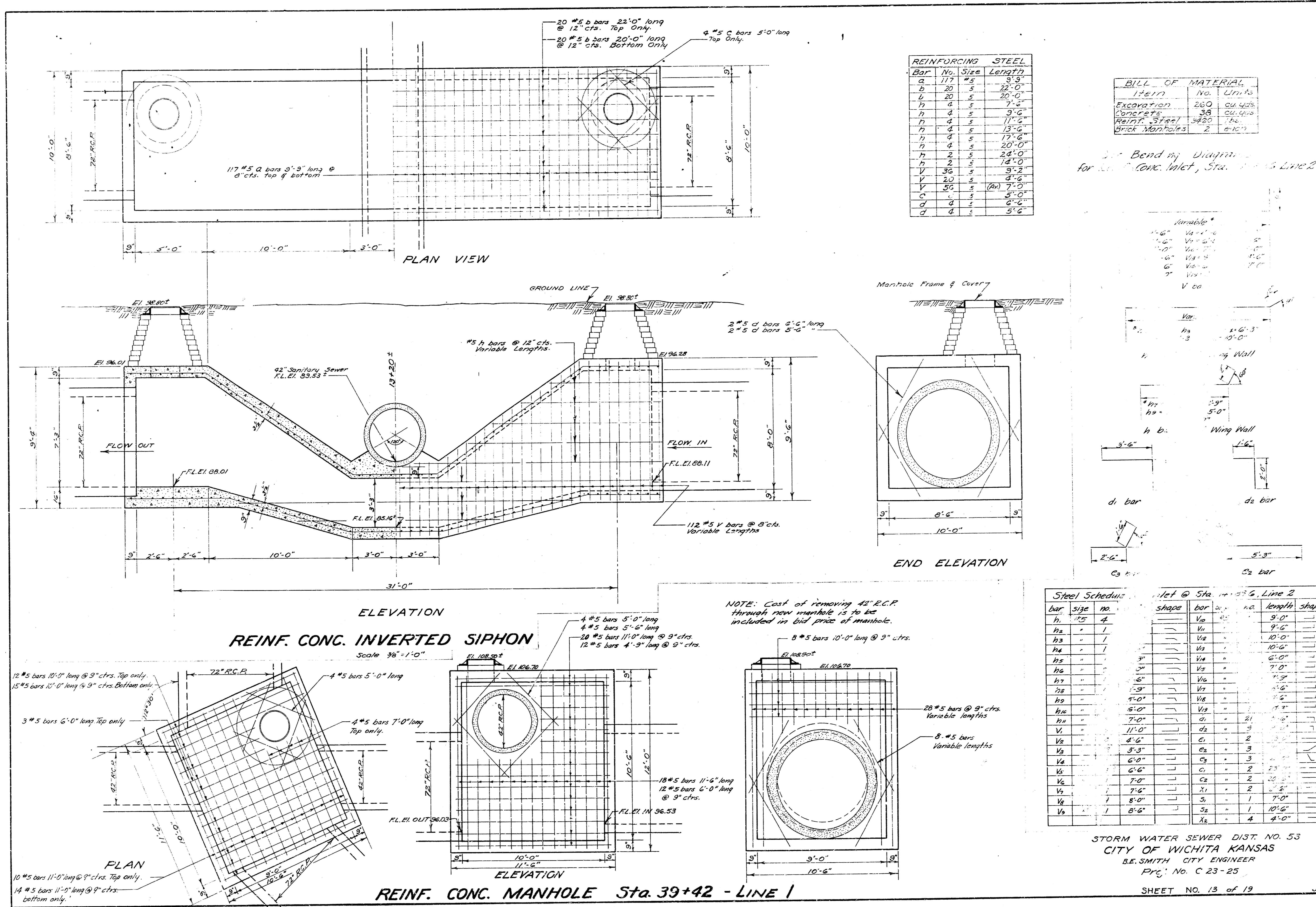
REINF. CONC. MANHOLE Sta. 18+25  
LINE No. 1  
Scale: 3/8" = 1'-0"

NOTE: Cost of removing 36" R.C.P. through new manhole is to be included in bid price of manhole.



ELEVATION

STORM WATER SEWER DIST. NO. 53  
CITY OF WICHITA KANSAS  
B.E. SMITH CITY ENGINEER  
Proj. No. C 23-25



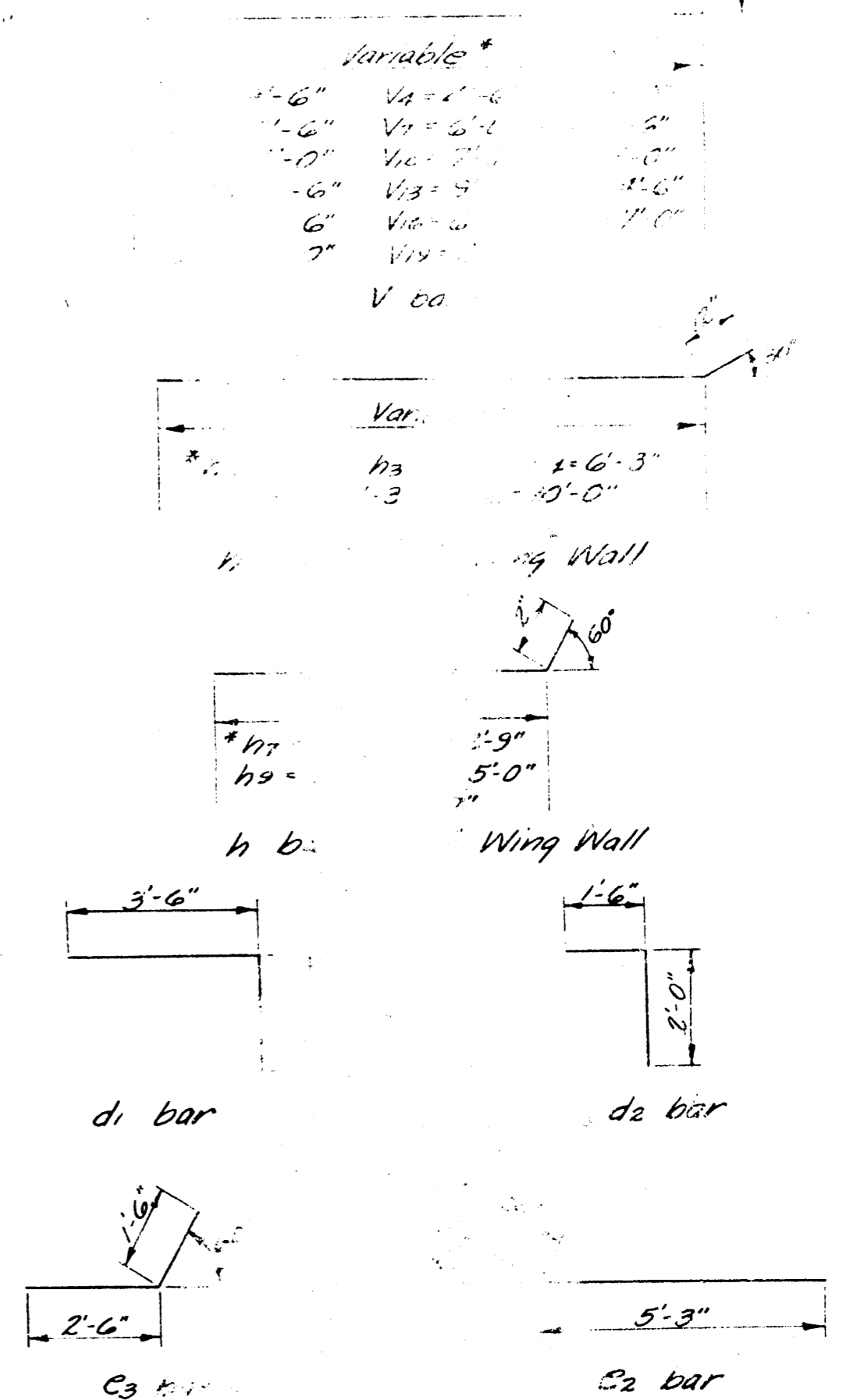
**REINFORCING STEEL**

Bar	No.	Size	Length
a	177	#5	9'-3"
b	20	#5	22'-0"
4	20	#5	20'-0"
h	4	#5	7'-2"
h	4	#5	9'-6"
h	4	#5	11'-6"
h	4	#5	13'-6"
h	4	#5	17'-6"
h	4	#5	20'-0"
h	2	#5	24'-0"
h	2	#5	14'-0"
v	36	#5	5'-2"
v	20	#5	4'-6"
v	56	#5 (Av)	7'-0"
c	4	#5	5'-0"
d	4	#5	6'-6"
d	4	#5	5'-6"

**BILL OF MATERIAL**

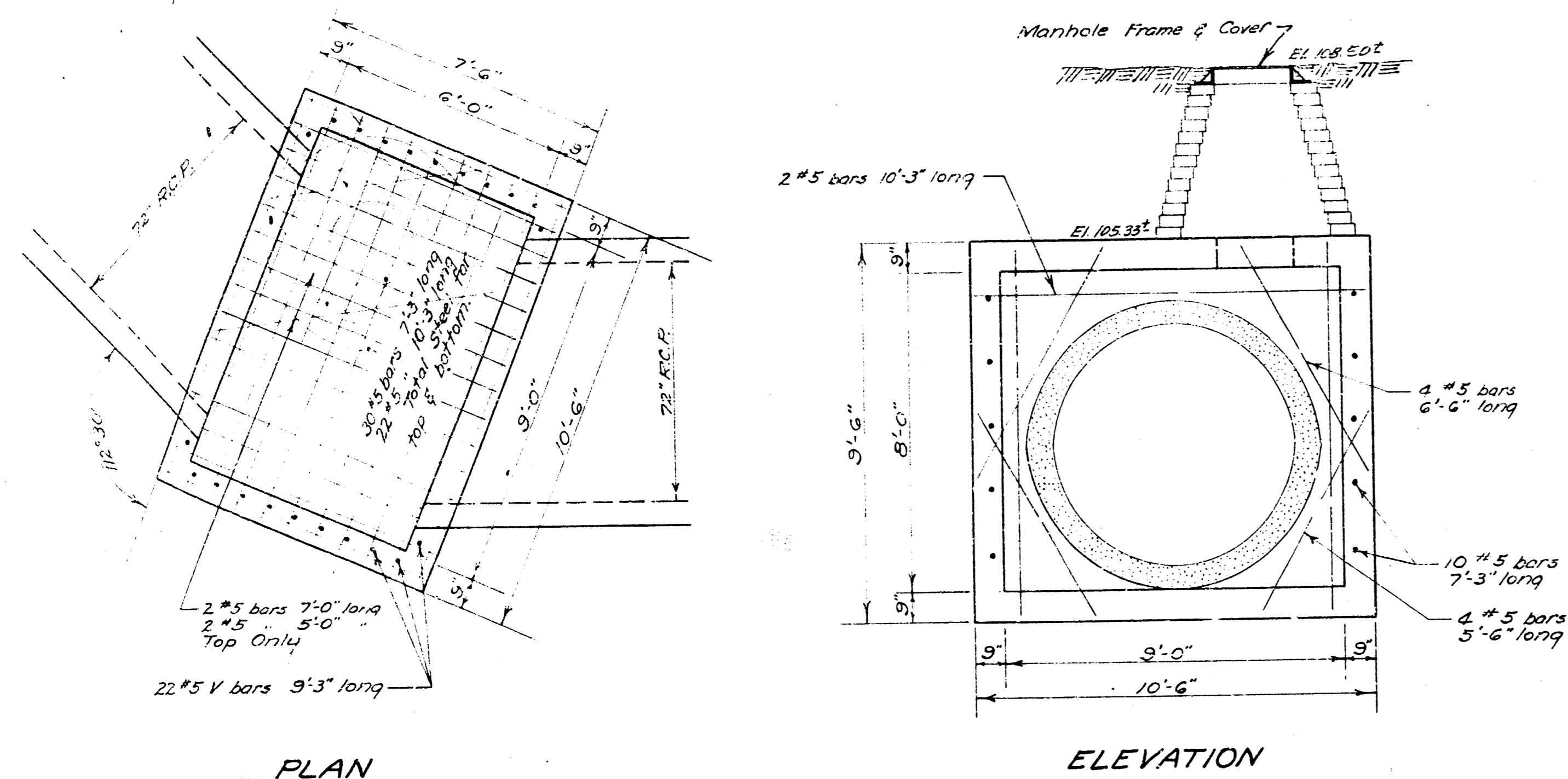
Item	No.	Units
Excavation	260	cu. yds.
Concrete	38	cu. yds.
Reinf. Steel	3480	lbs.
Brick Manholes	2	each

See Bend by Diagram for Conc. Walet, Sta. 39+42 Line 2

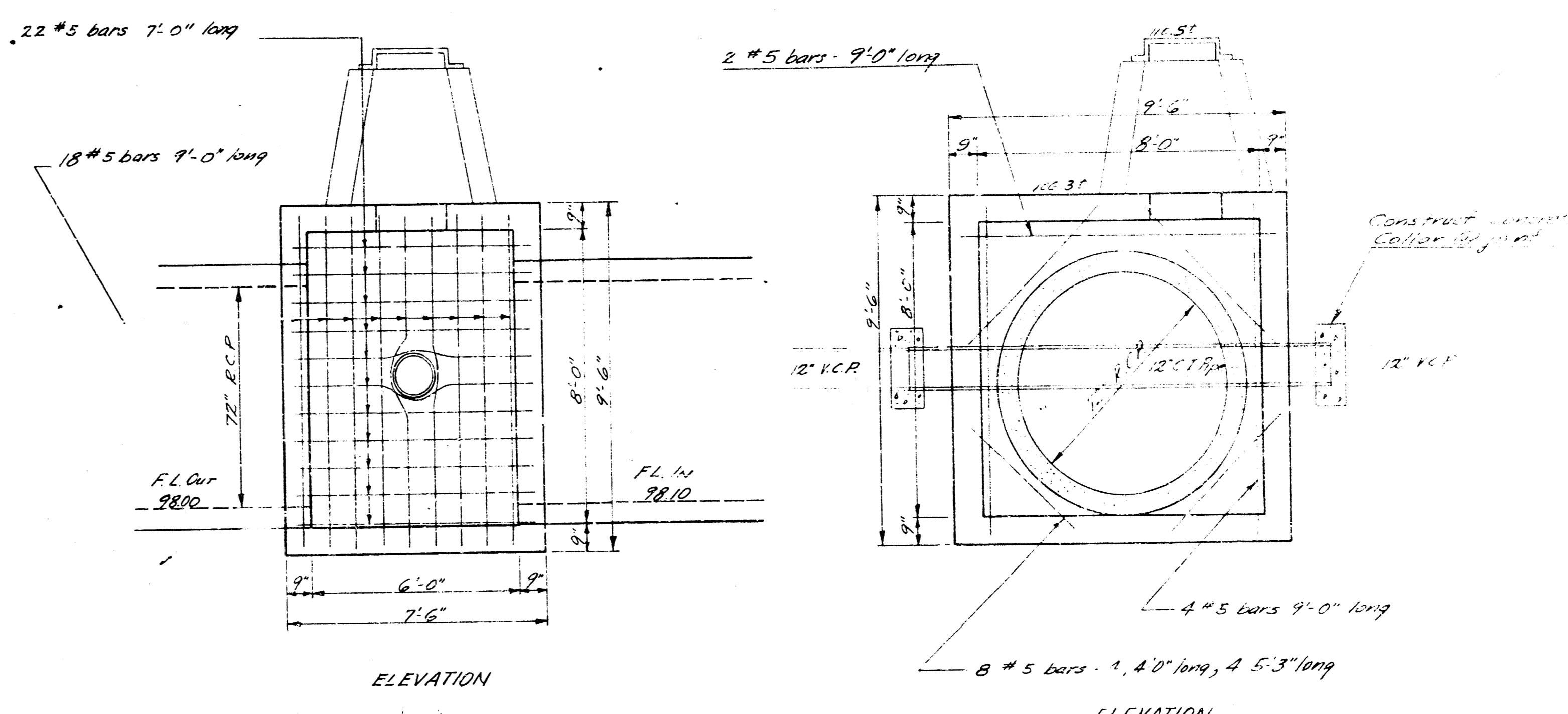


**Steel Schedule**

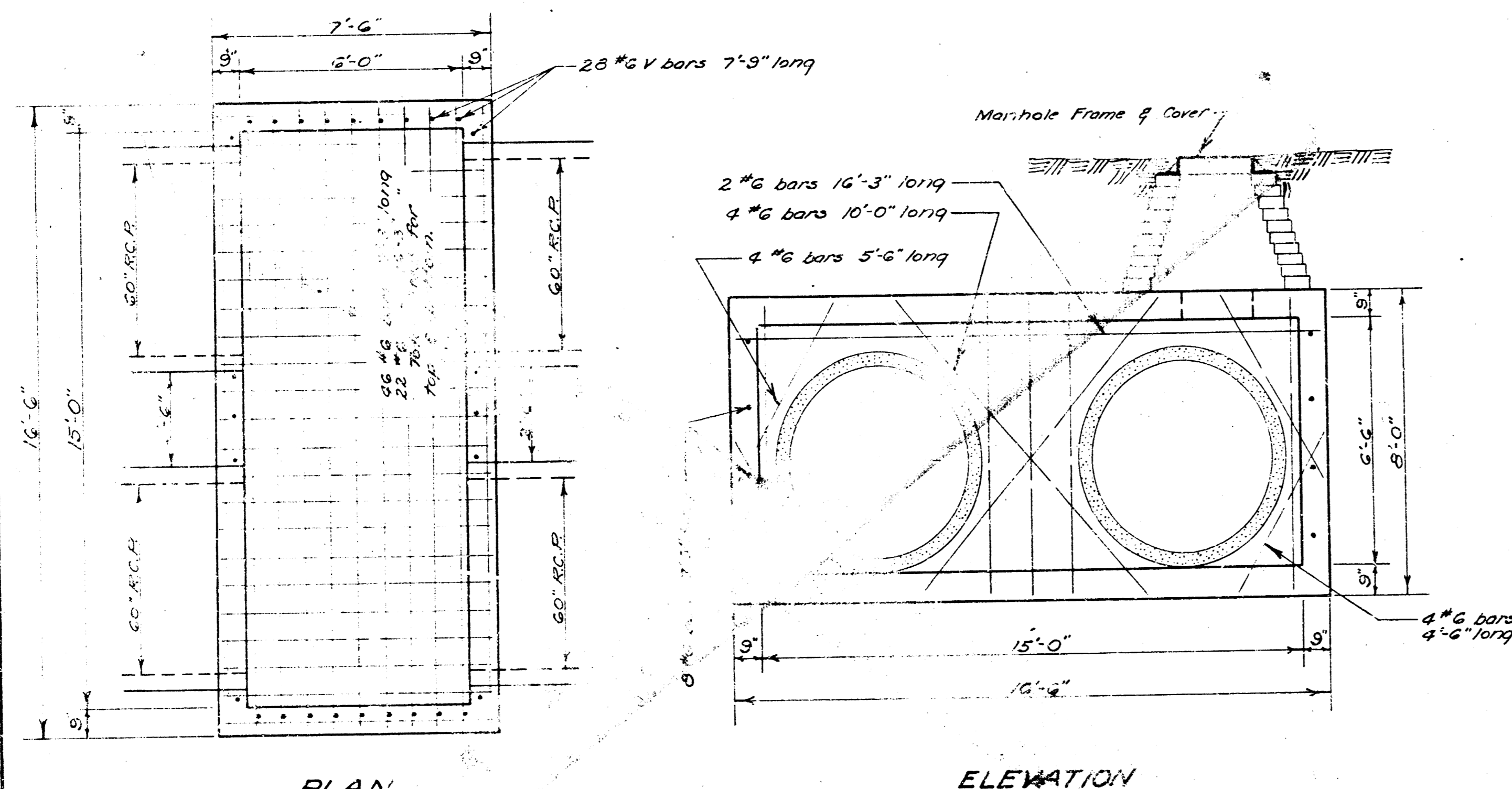
bar	size	no.	shape	bar	size	no.	length	shape
h1	#5	4	V6	h1	#5	4	9'-0"	---
h2	#5	1	V6	h2	#5	1	9'-6"	---
h3	#5	1	V6	h3	#5	1	10'-0"	---
h4	#5	1	V6	h4	#5	1	10'-6"	---
h5	#5	1	V6	h5	#5	1	6'-0"	---
h6	#5	2	V6	h6	#5	2	7'-0"	---
h7	#5	2	V6	h7	#5	2	7'-6"	---
h8	#5	2	V6	h8	#5	2	8'-0"	---
h9	#5	2	V6	h9	#5	2	8'-6"	---
h10	#5	2	V6	h10	#5	2	9'-0"	---
h11	#5	2	V6	h11	#5	2	9'-6"	---
h12	#5	2	V6	h12	#5	2	10'-0"	---
h13	#5	2	V6	h13	#5	2	10'-6"	---
h14	#5	2	V6	h14	#5	2	11'-0"	---
h15	#5	2	V6	h15	#5	2	11'-6"	---
h16	#5	2	V6	h16	#5	2	12'-0"	---
h17	#5	2	V6	h17	#5	2	12'-6"	---
h18	#5	2	V6	h18	#5	2	13'-0"	---
h19	#5	2	V6	h19	#5	2	13'-6"	---
h20	#5	2	V6	h20	#5	2	14'-0"	---
h21	#5	2	V6	h21	#5	2	14'-6"	---
h22	#5	2	V6	h22	#5	2	15'-0"	---
h23	#5	2	V6	h23	#5	2	15'-6"	---
h24	#5	2	V6	h24	#5	2	16'-0"	---
h25	#5	2	V6	h25	#5	2	16'-6"	---
h26	#5	2	V6	h26	#5	2	17'-0"	---
h27	#5	2	V6	h27	#5	2	17'-6"	---
h28	#5	2	V6	h28	#5	2	18'-0"	---
h29	#5	2	V6	h29	#5	2	18'-6"	---
h30	#5	2	V6	h30	#5	2	19'-0"	---
h31	#5	2	V6	h31	#5	2	19'-6"	---
h32	#5	2	V6	h32	#5	2	20'-0"	---
h33	#5	2	V6	h33	#5	2	20'-6"	---
h34	#5	2	V6	h34	#5	2	21'-0"	---
h35	#5	2	V6	h35	#5	2	21'-6"	---
h36	#5	2	V6	h36	#5	2	22'-0"	---
h37	#5	2	V6	h37	#5	2	22'-6"	---
h38	#5	2	V6	h38	#5	2	23'-0"	---
h39	#5	2	V6	h39	#5	2	23'-6"	---
h40	#5	2	V6	h40	#5	2	24'-0"	---
h41	#5	2	V6	h41	#5	2	24'-6"	---
h42	#5	2	V6	h42	#5	2	25'-0"	---
h43	#5	2	V6	h43	#5	2	25'-6"	---
h44	#5	2	V6	h44	#5	2	26'-0"	---
h45	#5	2	V6	h45	#5	2	26'-6"	---
h46	#5	2	V6	h46	#5	2	27'-0"	---
h47	#5	2	V6	h47	#5	2	27'-6"	---
h48	#5	2	V6	h48	#5	2	28'-0"	---
h49	#5	2	V6	h49	#5	2	28'-6"	---
h50	#5	2	V6	h50	#5	2	29'-0"	---
h51	#5	2	V6	h51	#5	2	29'-6"	---
h52	#5	2	V6	h52	#5	2	30'-0"	---
h53	#5	2	V6	h53	#5	2	30'-6"	---
h54	#5	2	V6	h54	#5	2	31'-0"	---
h55	#5	2	V6	h55	#5	2	31'-6"	---
h56	#5	2	V6	h56	#5	2	32'-0"	---
h57	#5	2	V6	h57	#5	2	32'-6"	---
h58	#5	2	V6	h58	#5	2	33'-0"	---
h59	#5	2	V6	h59	#5	2	33'-6"	---
h60	#5	2	V6	h60	#5	2	34'-0"	---
h61	#5	2	V6	h61	#5	2	34'-6"	---
h62	#5	2	V6	h62	#5	2	35'-0"	---
h63	#5	2	V6	h63	#5	2	35'-6"	---
h64	#5	2	V6	h64	#5	2	36'-0"	---
h65	#5	2	V6	h65	#5	2	36'-6"	---
h66	#5	2	V6	h66	#5	2	37'-0"	---
h67	#5	2	V6	h67	#5	2	37'-6"	---
h68	#5	2	V6	h68	#5	2	38'-0"	---
h69	#5	2	V6	h69	#5	2	38'-6"	---
h70	#5	2	V6	h70	#5	2	39'-0"	---
h71	#5	2	V6	h71	#5	2	39'-6"	---
h72	#5	2	V6	h72	#5	2	40'-0"	---
h73	#5	2	V6	h73	#5	2	40'-6"	---
h74	#5	2	V6	h74	#5	2	41'-0"	---
h75	#5	2	V6	h75	#5	2	41'-6"	---
h76	#5	2	V6	h76	#5	2	42'-0"	---
h77	#5	2	V6	h77	#5	2	42'-6"	---
h78	#5	2	V6	h78	#5	2	43'-0"	---
h79	#5	2	V6	h79	#5	2	43'-6"	---
h80	#5	2	V6	h80	#5	2	44'-0"	---
h81	#5	2	V6	h81	#5	2	44'-6"	---
h82	#5	2	V6	h82	#5	2	45'-0"	---
h83	#5	2	V6	h83	#5	2	45'-6"	---
h84	#5	2	V6	h84	#5	2	46'-0"	---
h85	#5	2	V6	h85	#5	2	46'-6"	---
h86	#5	2	V6	h86	#5	2	47'-0"	---
h87	#5	2	V6	h87	#5	2	47'-6"	---
h88	#5	2	V6	h88	#5	2	48'-0"	---
h89	#5	2	V6	h89	#5	2	48'-6"	---
h90	#5	2	V6	h90	#5	2	49'-0"	---
h91	#5	2	V6	h91	#5	2	49'-6"	---
h92	#5	2	V6	h92	#5	2	50'-0"	---
h93	#5	2	V6	h93	#5	2	50'-6"	---
h94	#5	2	V6	h94	#5	2	51'-0"	---
h95	#5	2	V6	h95	#5	2	51'-6"	---
h96	#5	2	V6	h96	#5	2	52'-0"	---
h97	#5	2	V6	h97	#5	2	52'-6"	---
h98	#5	2	V6	h98	#5	2	53'-0"	---
h99	#5	2	V6	h99	#5	2	53'-6"	---
h100	#5	2	V6	h100	#5	2	54'-0"	---
h101	#5	2	V6	h101	#5	2	54'-6"	---
h102	#5	2	V6	h102	#5	2	55'-0"	---
h103	#5	2	V6	h103	#5	2	55'-6"	---
h104	#5	2	V6	h104	#5	2	56'-0"	---
h105	#5	2	V6	h105	#5	2	56'-6"	---
h106	#5	2	V6	h106	#5	2	57'-0"	---
h107	#5	2	V6	h107	#5	2	57'-6"	---
h108	#5	2	V6	h108	#5	2	58'-0"	---
h109	#5	2	V6	h109	#5	2	58'-6"	---
h110	#5	2	V6	h110	#5	2	59'-0"	---
h111	#5	2	V6	h111	#5	2	59'-6"	---
h112	#5	2	V6	h112	#5	2	60'-0"	---
h113	#5	2	V6	h113	#5	2	60'-6"	---
h114	#5	2	V6	h114	#5	2	61'-0"	---
h115	#5	2	V6	h115	#5	2	61'-6"	---
h116	#5	2	V6	h116	#5	2	62'-0"	---
h117	#5	2	V6	h117	#5	2	62'-6"	---
h118	#5	2	V6	h118	#5	2	63'-0"	---
h119	#5	2	V6	h119	#5	2	63'-6"	---
h120	#5	2	V6	h120	#5	2	64'-0"	---
h121	#5	2	V6	h121	#5	2	64'-6"	---
h122	#5	2	V6	h122	#5	2	65'-0"	---
h123	#5	2	V6	h123	#5	2	65'-6"	---
h124	#5	2	V6	h124	#5	2	66'-0"	---
h125	#5	2	V6	h125	#5	2	66'-6"	---
h126	#5	2	V6	h126	#5	2	67'-0"	---
h127	#5	2	V6	h127	#5	2	67'-6"	---
h128	#5	2	V6	h128	#5	2	68'-0"	---
h129	#5	2	V6	h129	#5	2	68'-6"	---
h130	#5	2	V6	h130	#5	2	69'-0"	---
h131	#5	2	V6	h131	#5	2	69'-6"	---
h132	#5	2	V6	h132	#5	2	70'-0"	---
h133	#5	2	V6	h133	#5	2	70'-6"	---
h134	#5	2	V6	h134	#5	2	71'-0"	---
h135	#5	2	V6	h135	#5	2	71'-6"	---
h136	#5	2	V6	h136	#5	2	72'-0"	---
h137	#5	2	V6	h137	#5	2	72'-6"	---
h138	#5	2	V6	h138	#5	2	73'-0"	---
h139	#5	2	V6	h139	#5	2	73'-6"	---
h140	#5	2	V6	h140	#5	2	74'-0"	---
h141	#5	2	V6	h141	#5	2	74'-6"	---
h142	#5	2	V6	h142	#5	2	75'-0"	---
h143	#5	2	V6	h143	#5	2	75'-6"	---
h144	#5	2	V6	h144	#5	2	76'-0"	---
h145	#5	2	V6	h145	#5	2	76'-6"	---
h146	#5	2	V6	h146	#5	2	77'-0"	---
h147	#5	2	V6	h147	#5	2	77'-6"	---
h148	#5	2	V6	h148	#5	2	78'-0"	---
h149	#5	2	V6	h149	#5	2	78'-6"	---
h150	#5	2	V6	h150	#5	2	79'-0"	---
h151	#5	2	V6	h151	#5	2	79'-6"	---
h152	#5	2	V6	h152	#5	2	80'-0"	---
h153	#5	2	V6	h153	#5	2	80'-6"	---
h154	#5	2	V6	h154	#5	2	81'-0"	---
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h156	#5	2	V6	h156	#5	2	82'-0"	---
h157	#5	2	V6	h157	#5	2	82'-6"	---
h158	#5	2	V6	h158	#5	2	83'-0"	---
h159	#5	2	V6	h159	#5	2	83'-6"	---
h160	#5	2	V6	h160	#5	2	84'-0"	---
h161	#5	2	V6	h161	#5	2	84'-6"	---
h162	#5	2	V6	h162	#5	2	85'-0"	---
h163	#5	2	V6	h163	#5	2	85'-6"	---
h164	#5	2	V6	h164	#5	2	86'-0"	---
h165	#5	2	V6	h165	#5	2	86'-6"	---
h166	#5	2	V6	h166	#5	2	87'-0"	---
h167	#5	2	V6	h167	#5	2	87'-6"	---
h168	#5	2	V6	h168	#5	2	88'-0"	---
h169	#5	2	V6	h169	#5	2	88	



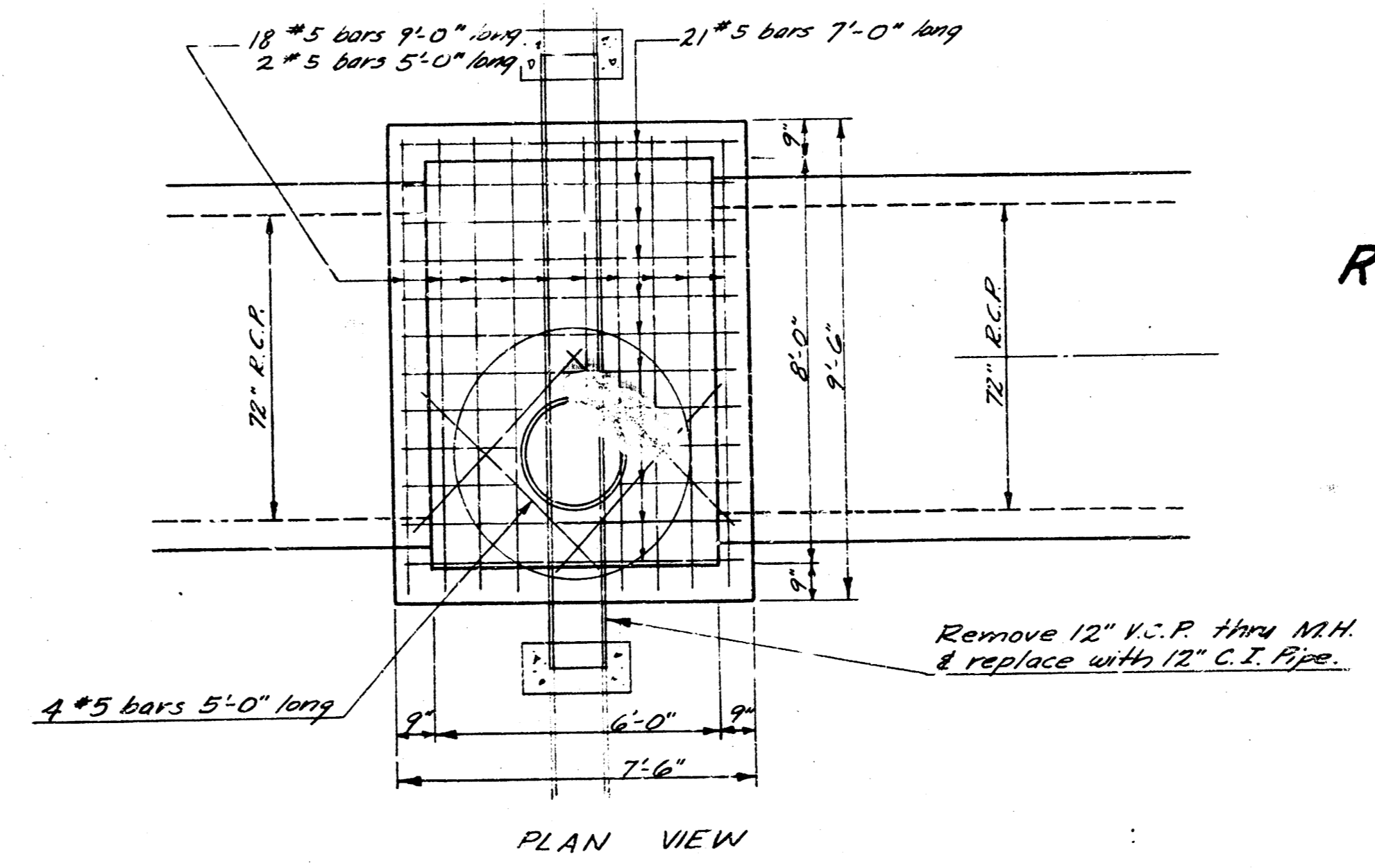
PLAN  
**REINF. CONC. MANHOLE Sta. 39+80.2 - LINE 1**  
 Scale 3/8" = 1'-0"



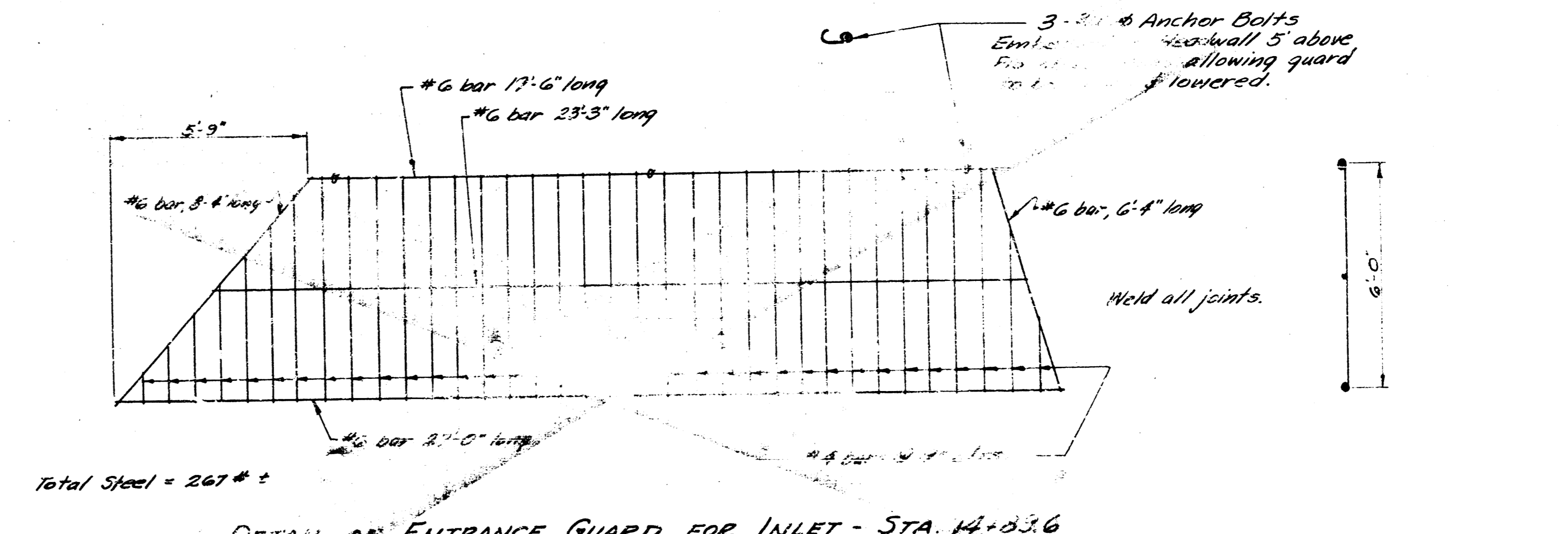
ELEVATION  
**REINF. CONC. MANHOLE STA. 42+89.6 - LINE 1**  
 Scale: 3/8" = 1'  
 Revised 8/30/55



PLAN  
**REINF. CONC. MANHOLE Sta. 0+00 & 1+73.6**  
 Scale 3/8" = 1'-0"

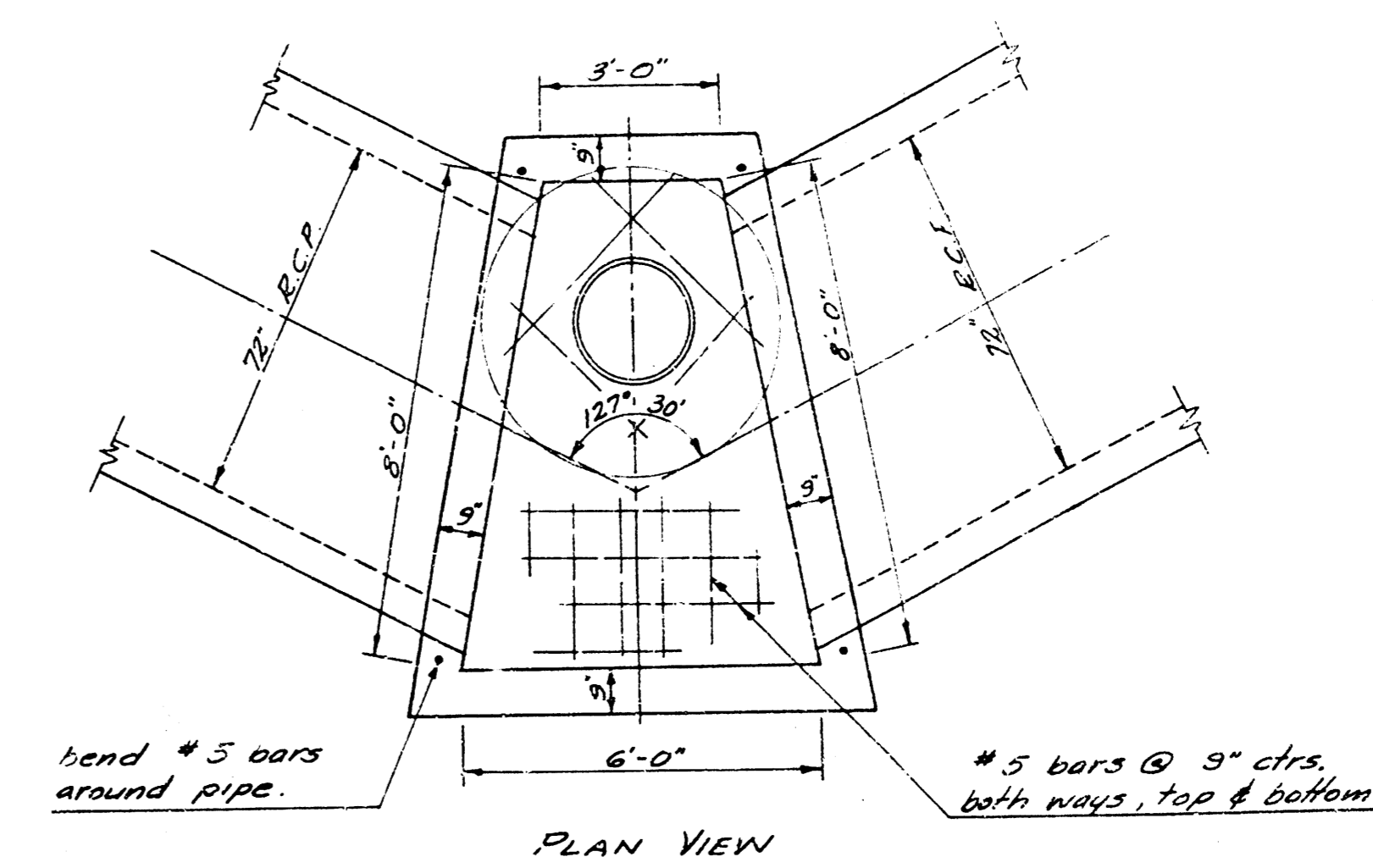
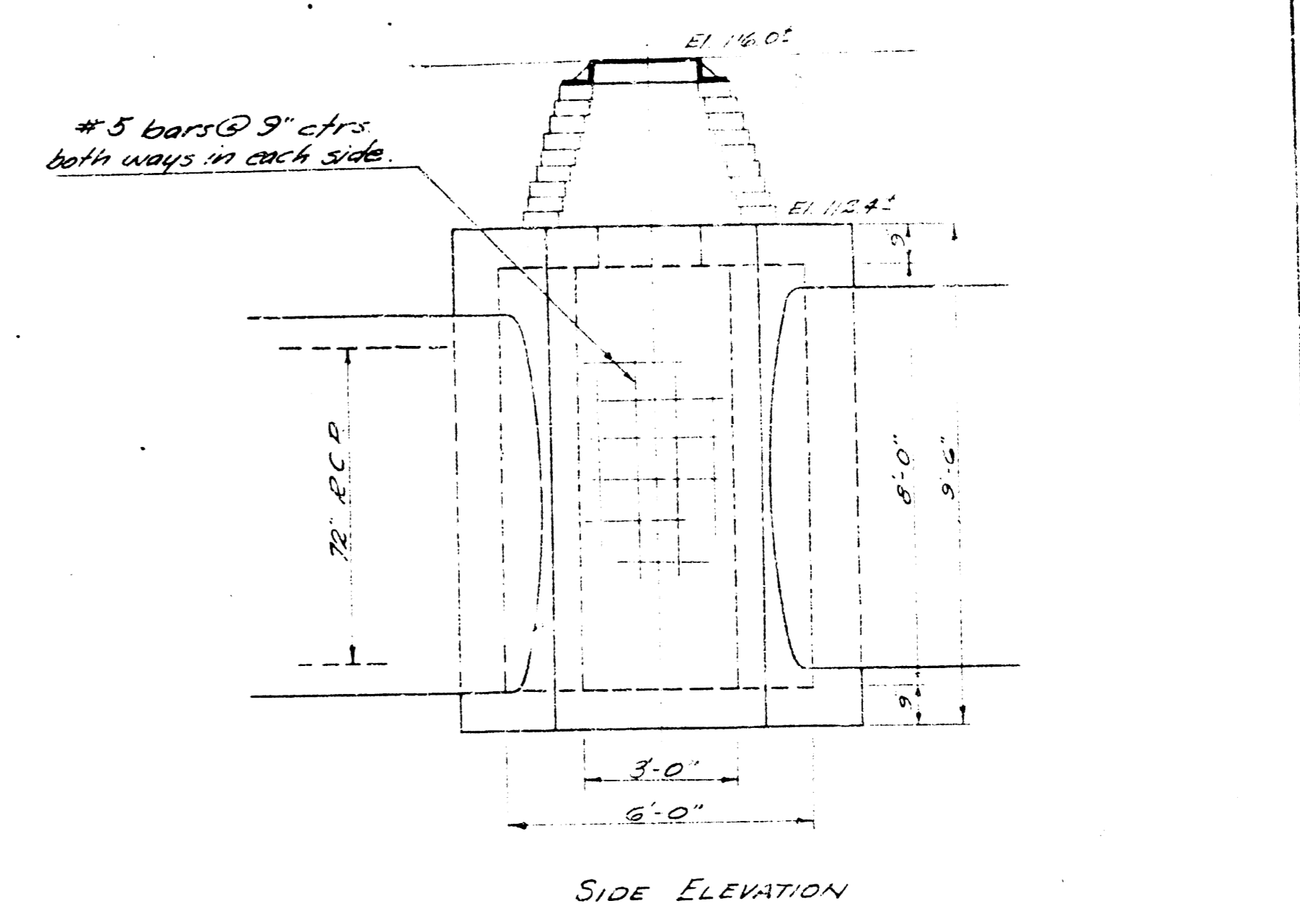
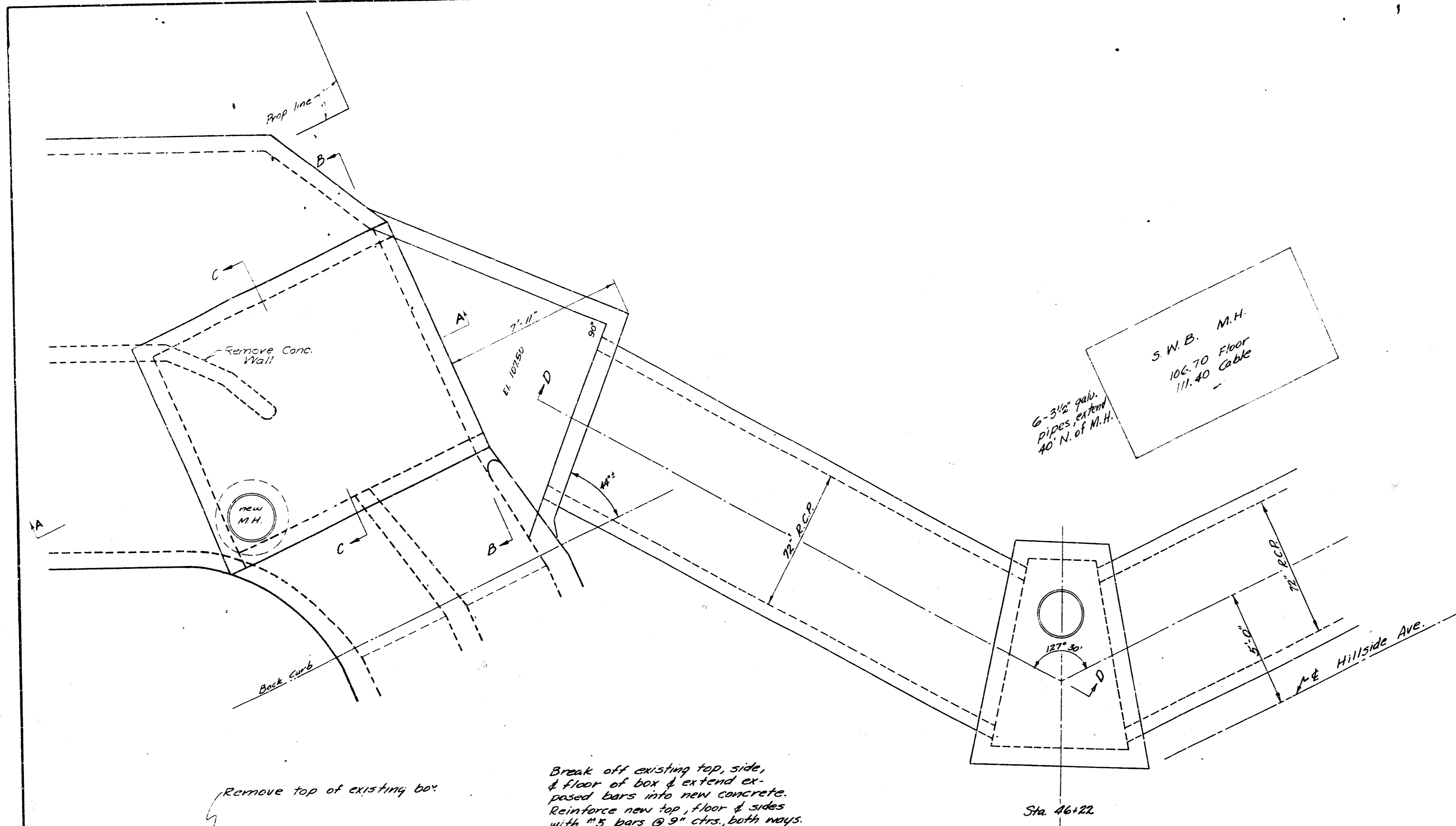


PLAN VIEW

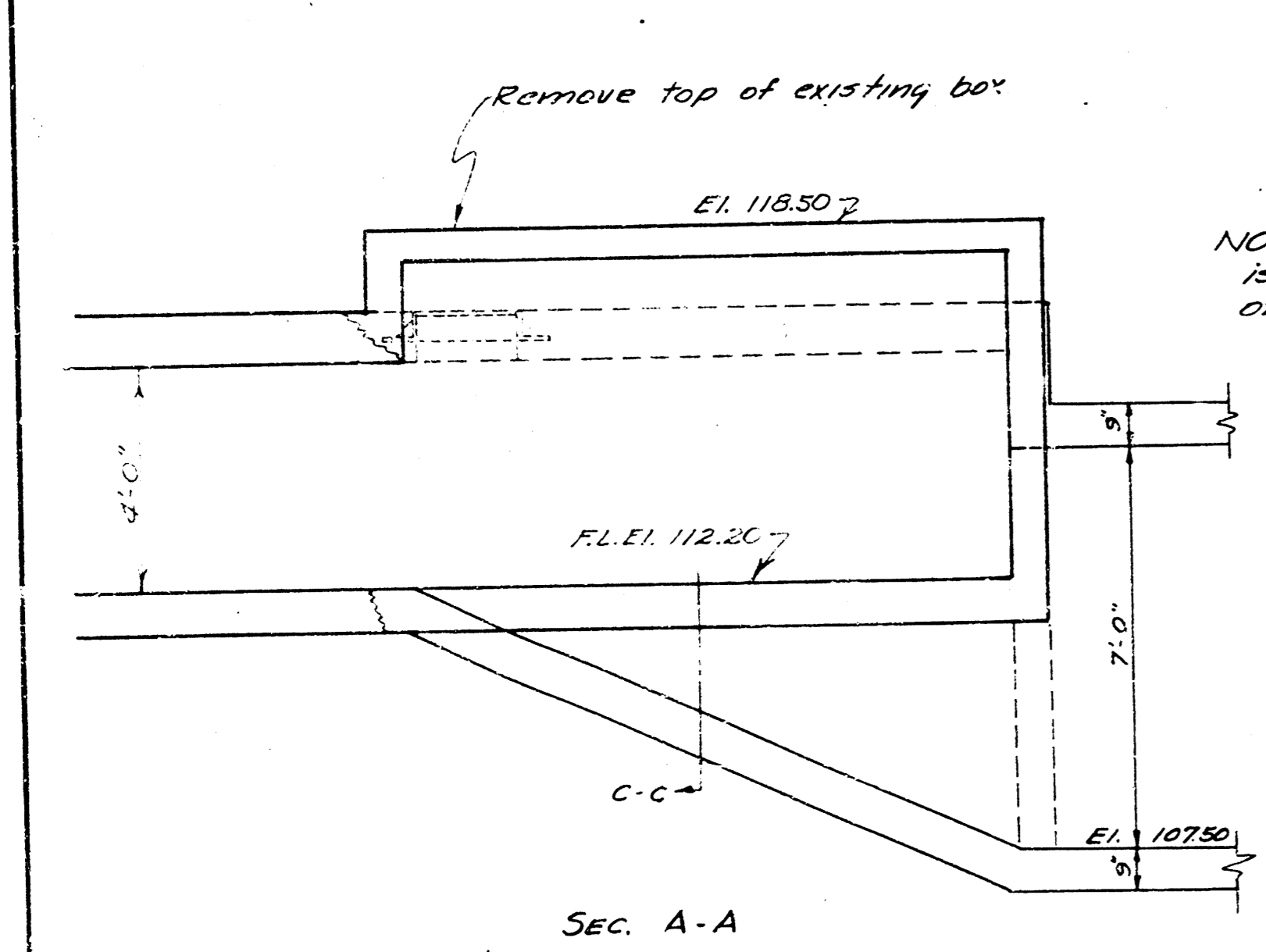


DETAIL OF ENTRANCE GUARD FOR INLET - STA. 44+83.6

Concrete for structures shall contain not less than 1.65 bbls of cement per cu yd. of concrete. In no event shall the total water content exceed 6.25 gals. per sack of cement. The mixture of fine and coarse aggregate shall be such as will produce a maximum density of a most workable mixture.  
 IN GENERAL - Pipes will enter and leave the manholes at various angles and elevations. Where possible bend reinforcing bars around pipes (18" dia. or less). Where pipes are large use diagonal bars as shown. The floor of the manhole is to be shaped for flow and drainage. No deduction in concrete quantities shall be made for pipe openings. No addition in concrete quantities shall be made for shaping manhole floor. An internal vibrator shall be used for placing concrete.

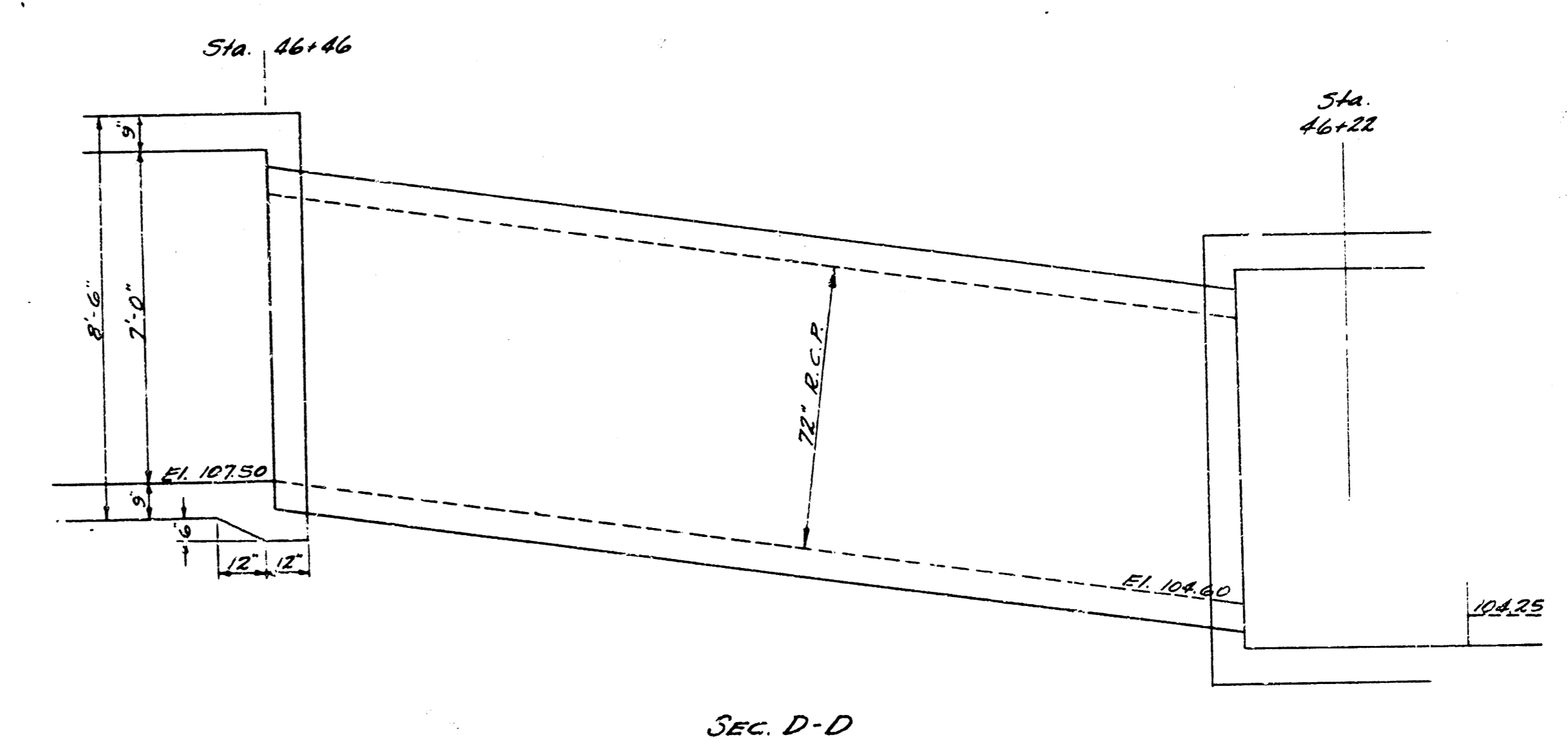
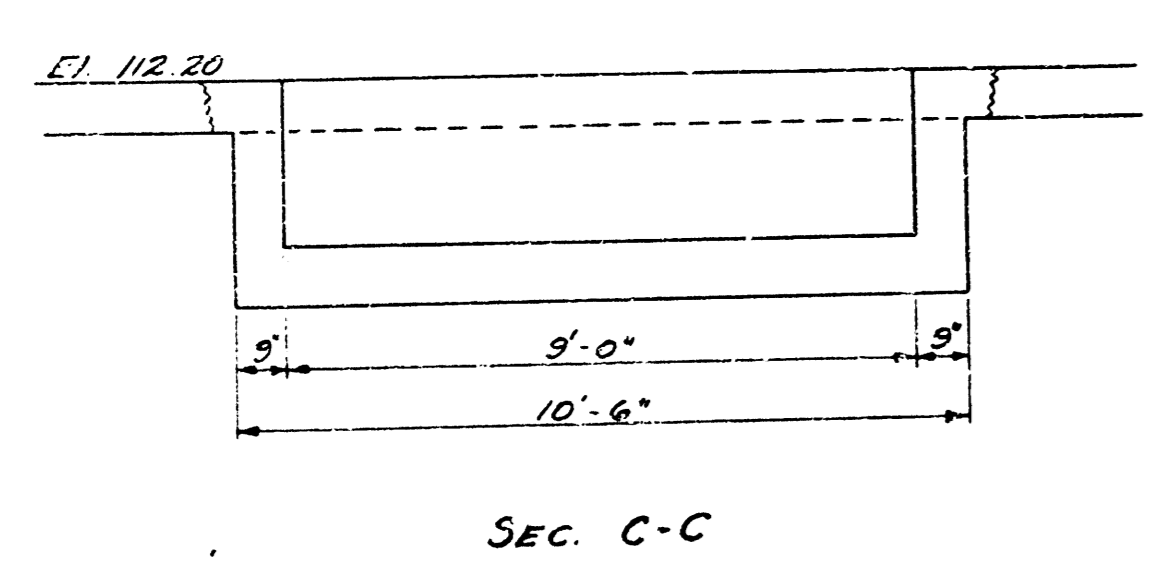
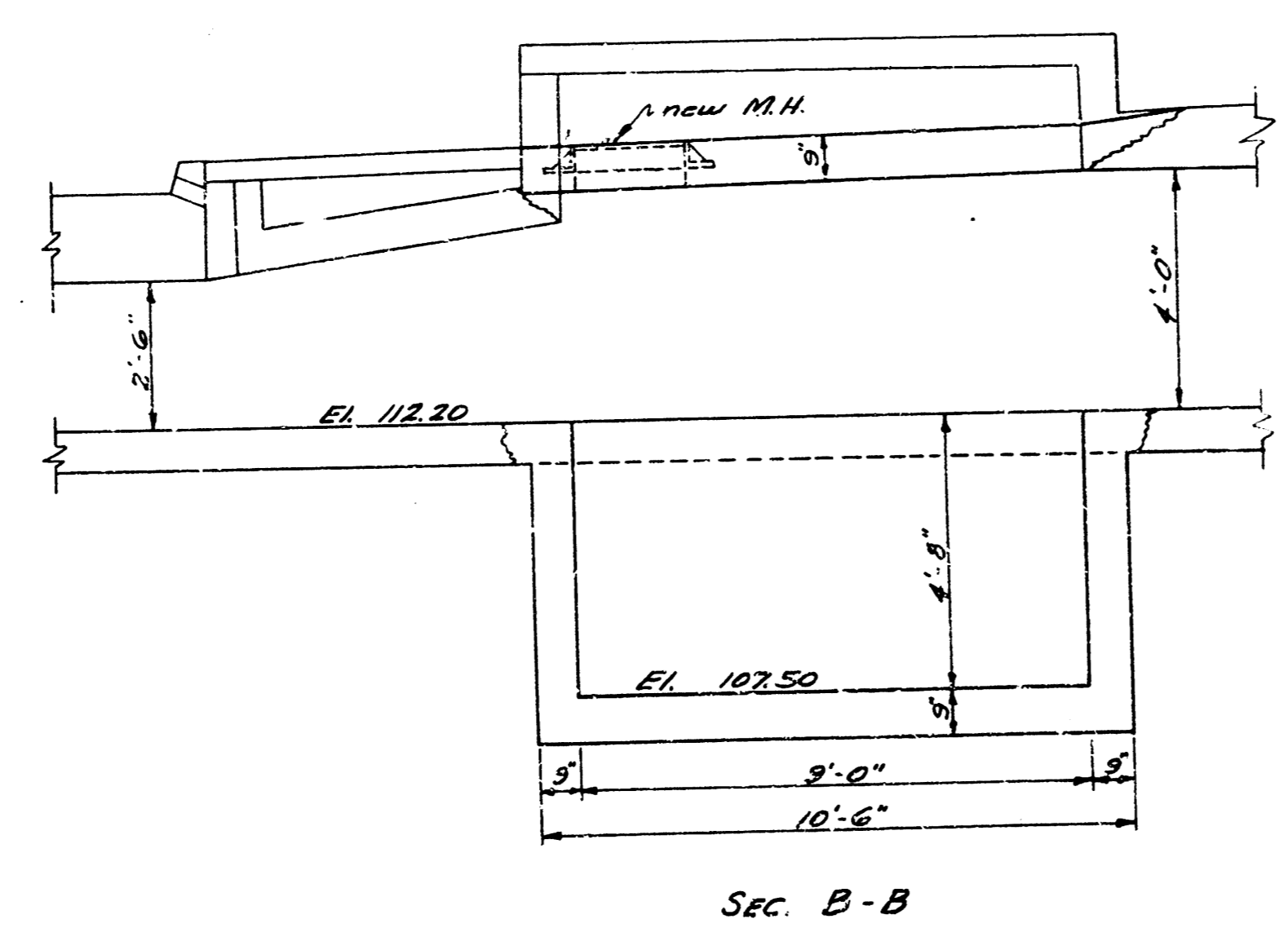


REINF. CONC. MANHOLE - STA. 46+22 - LINE 1  
Scale: 3/8" = 1'-0"



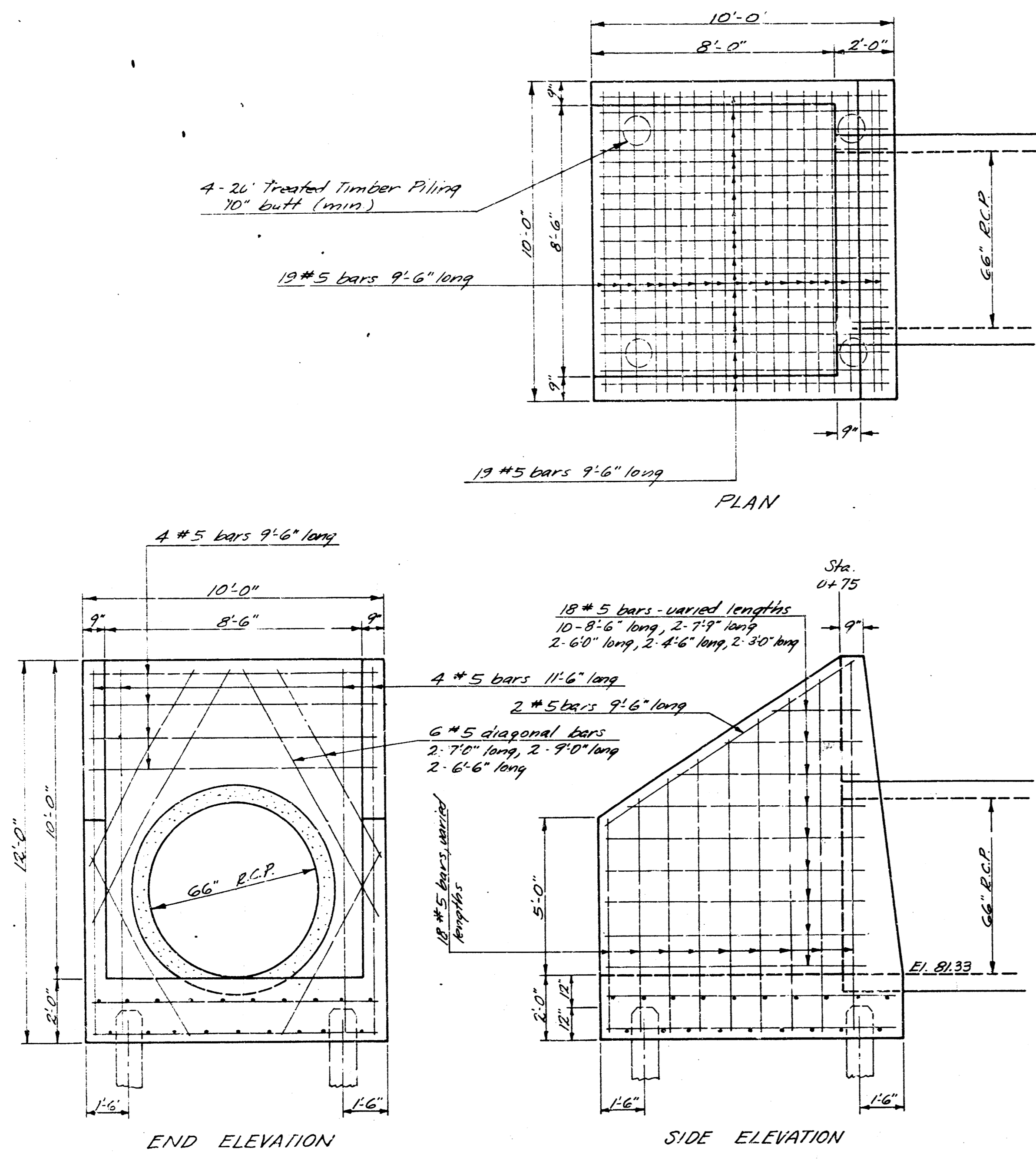
Break off existing top, side, & floor of box & extend exposed bars into new concrete. Reinforce new top, floor & sides with #5 bars @ 9" ctrs. both ways.  
NOTE: Cost of removing old box is to be included in bid price of new junction box.

REINF. CONC. JUNCTION BOX - STA. 46+46 - LINE No. 1  
Scale: 3/8" = 1'-0"



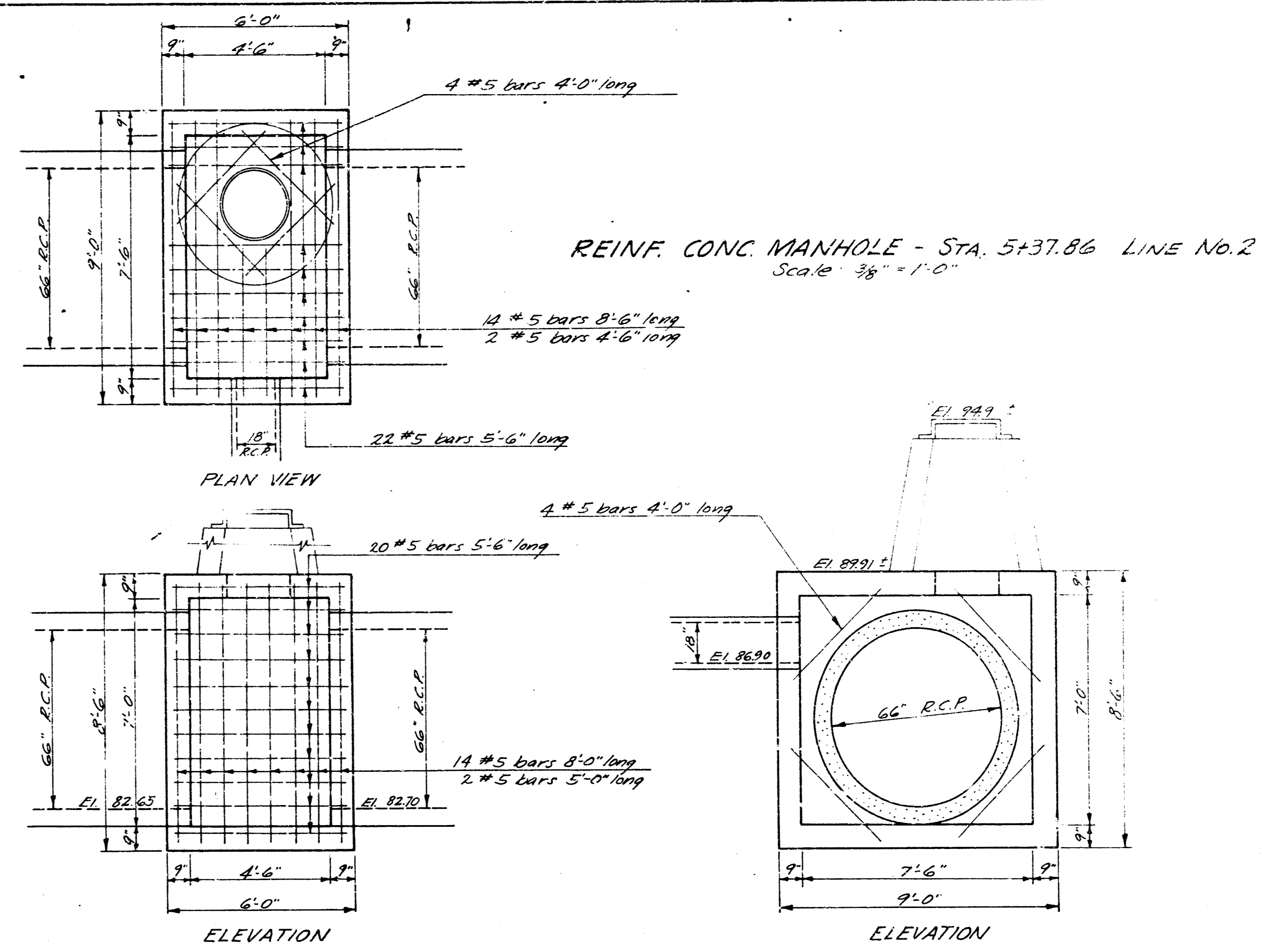
SEC. D-D

STORM WATER SEWER No. 53  
CITY OF WICHITA, KANSAS  
B. E. SMITH - CITY ENGINEER  
Proj. No. C 23-25  
SHEET No. 15 OF 19

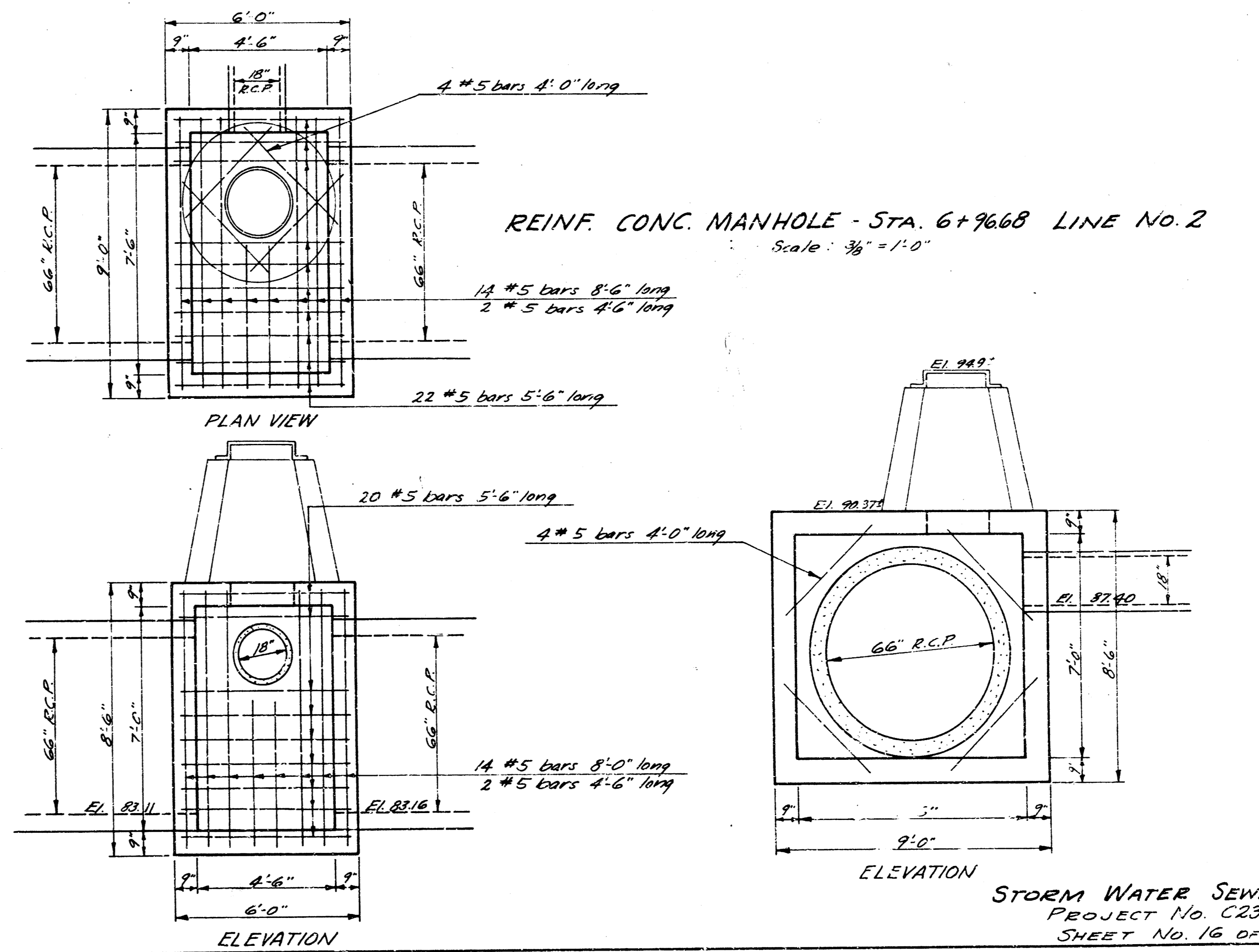


REINF. CONC. OUTFALL STRUCTURE - STA. 0+75 LINE No. 2  
Scale: 3/8" = 1'-0"

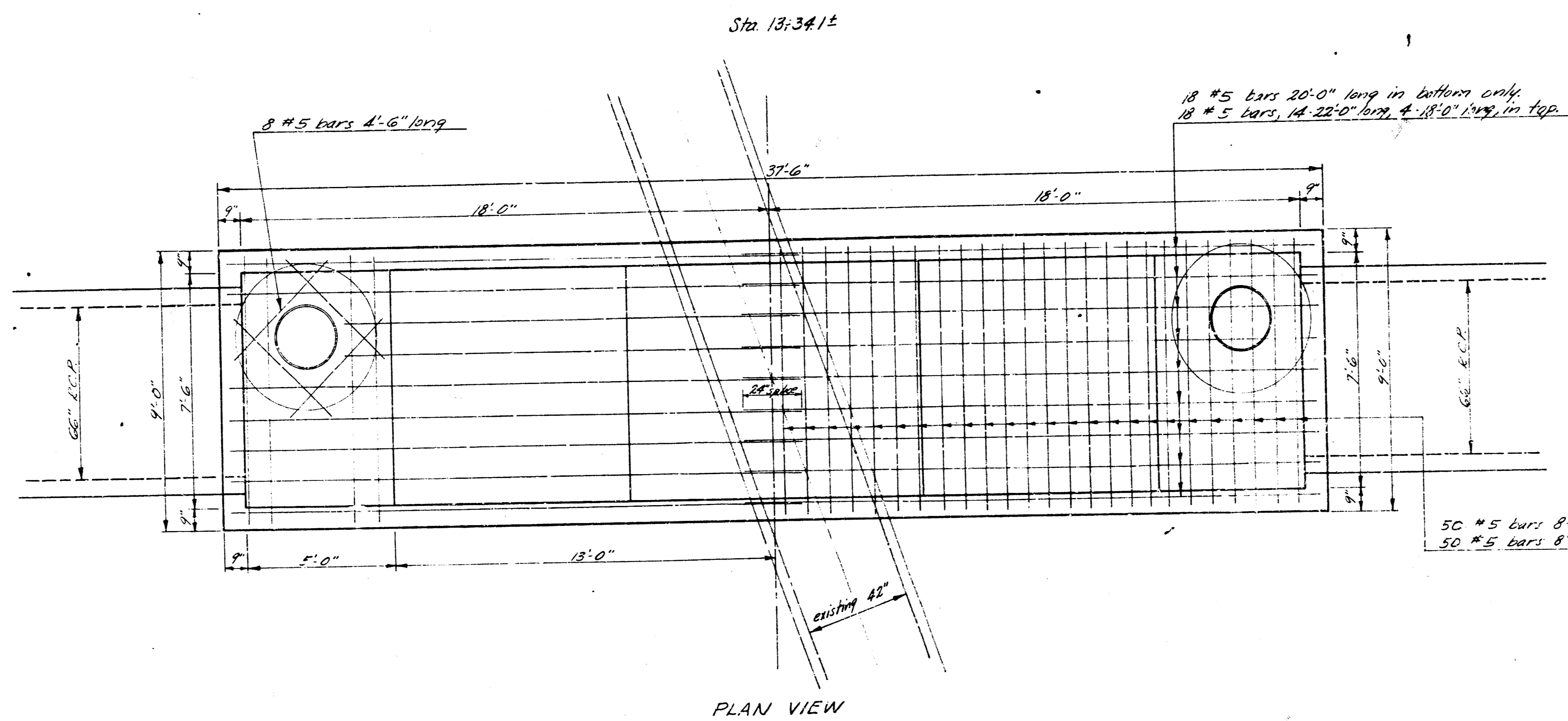
Concrete for structures shall contain not less than 1.65 bbls of cement per cu. yd. of concrete. In no event shall the total water content exceed 6.25 gals. per sack of cement. The mixture of fine and coarse aggregate shall be such as will produce a maximum density of a most workable mixture. The floor of the manhole is to be shaped for flow and drainage. No deduction in concrete quantities shall be made for pipe openings. No addition in concrete quantities shall be made for shaping manhole floor. An internal vibrator shall be used for placing concrete.



REINF. CONC. MANHOLE - STA. 5+37.86 LINE No. 2  
Scale: 3/8" = 1'-0"

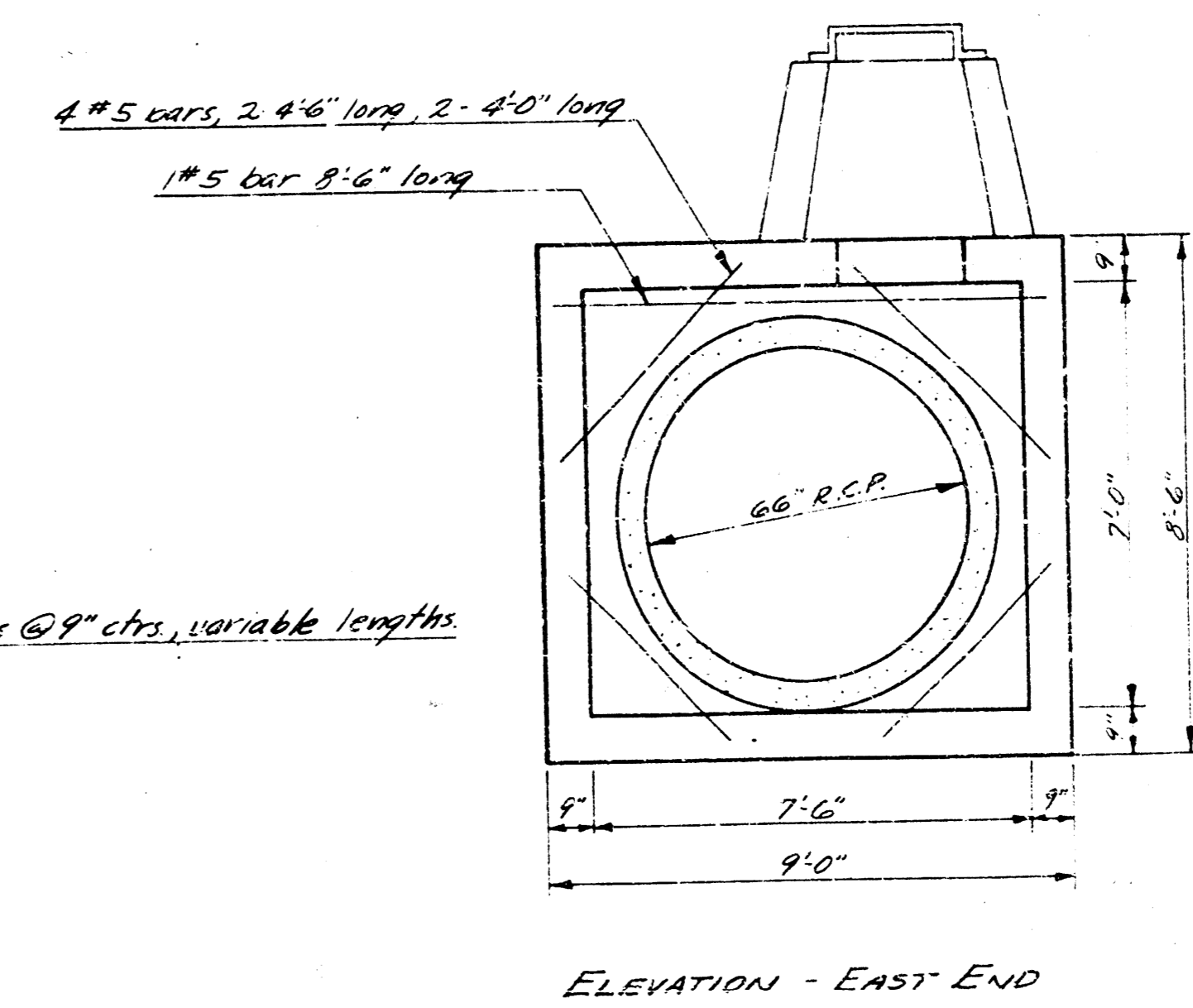
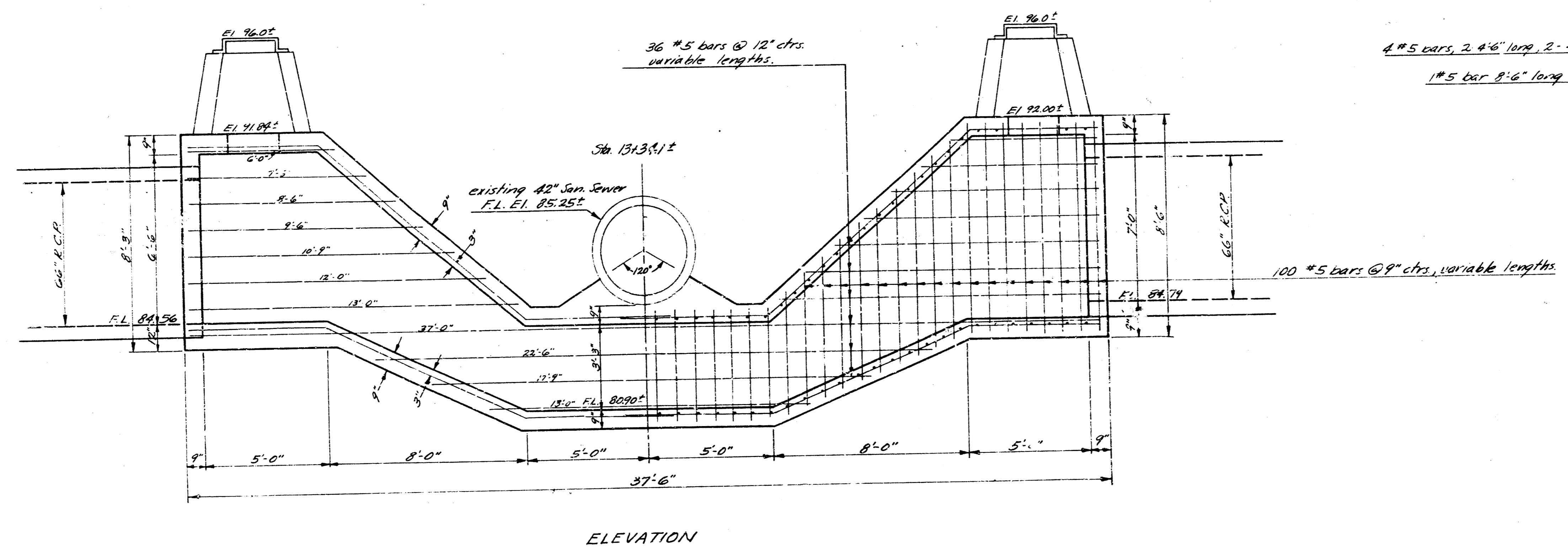
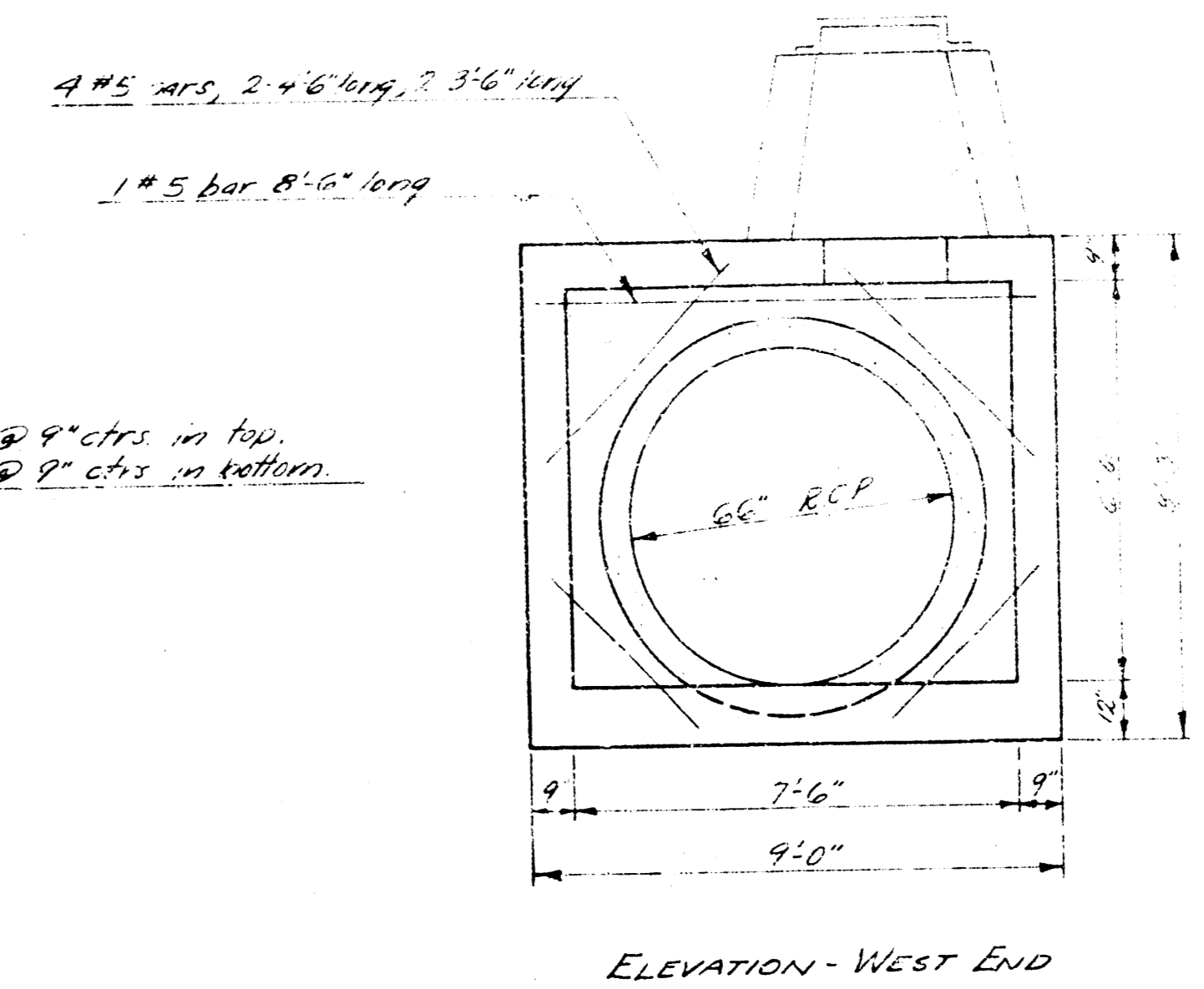


REINF. CONC. MANHOLE - STA. 6+96.68 LINE No. 2  
Scale: 3/8" = 1'-0"

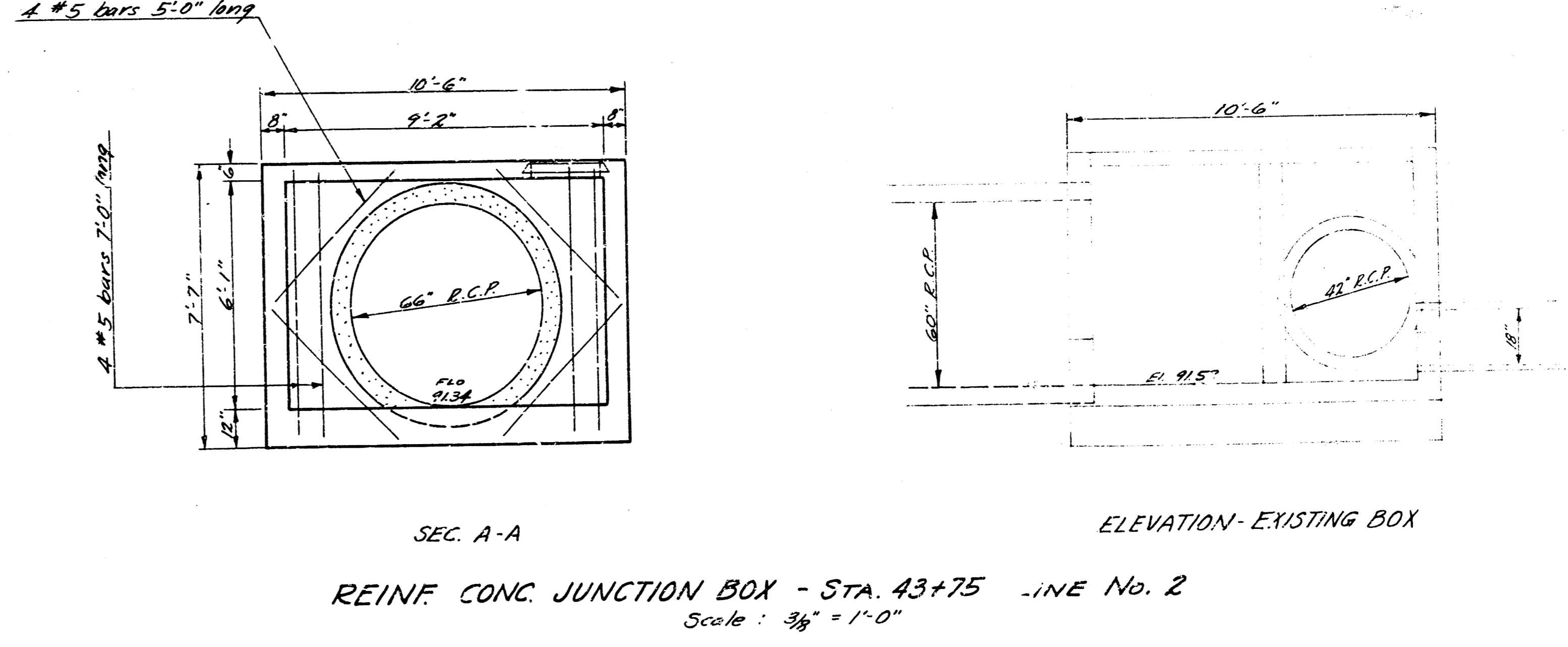
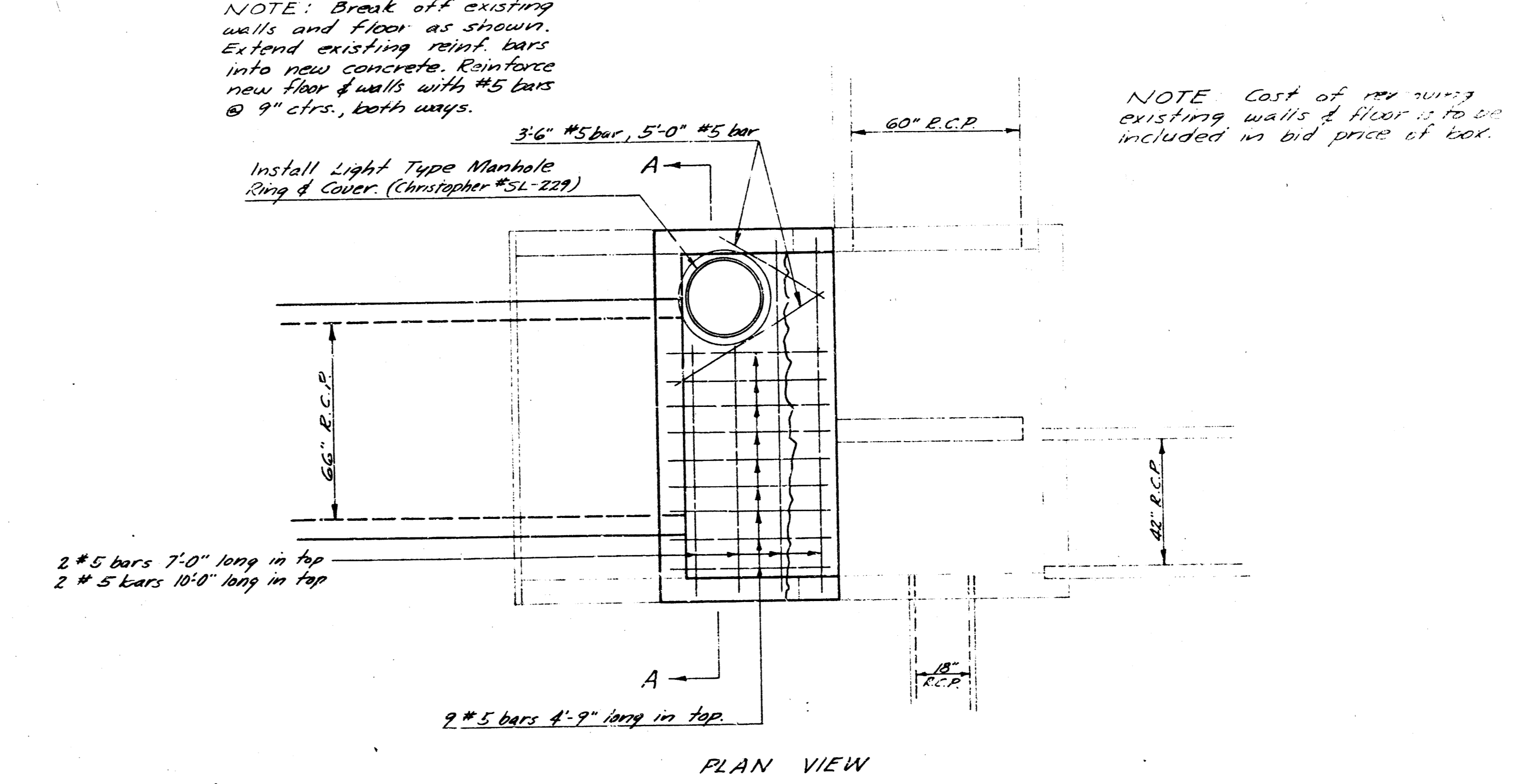
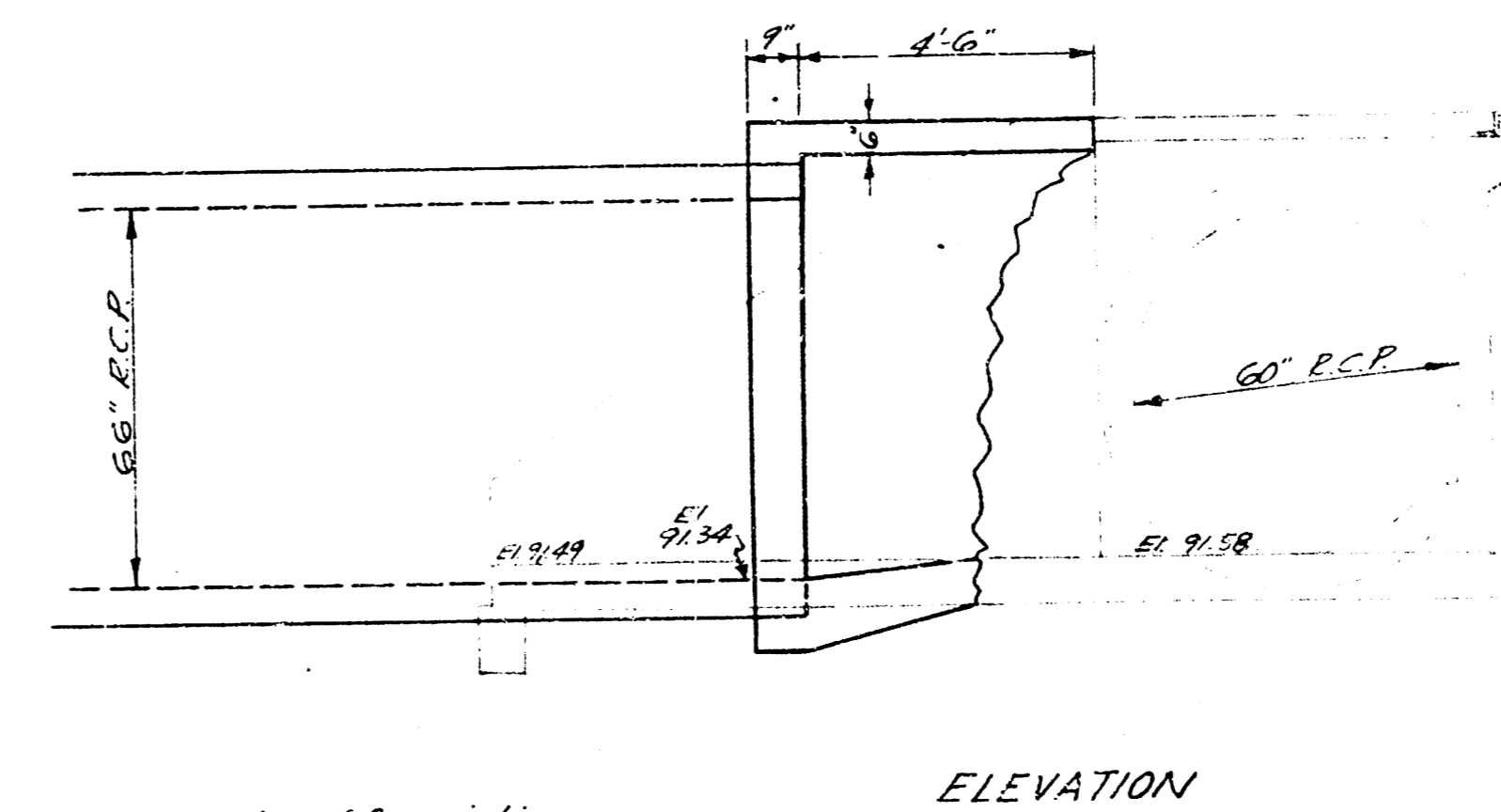
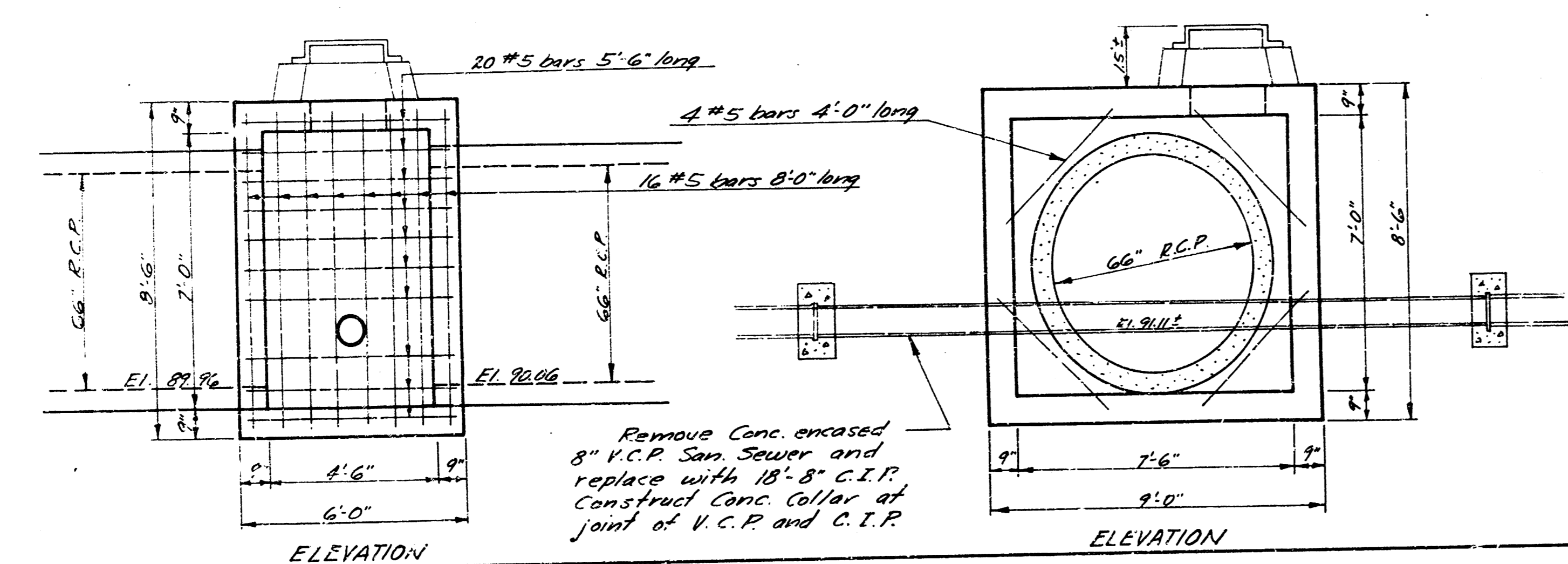
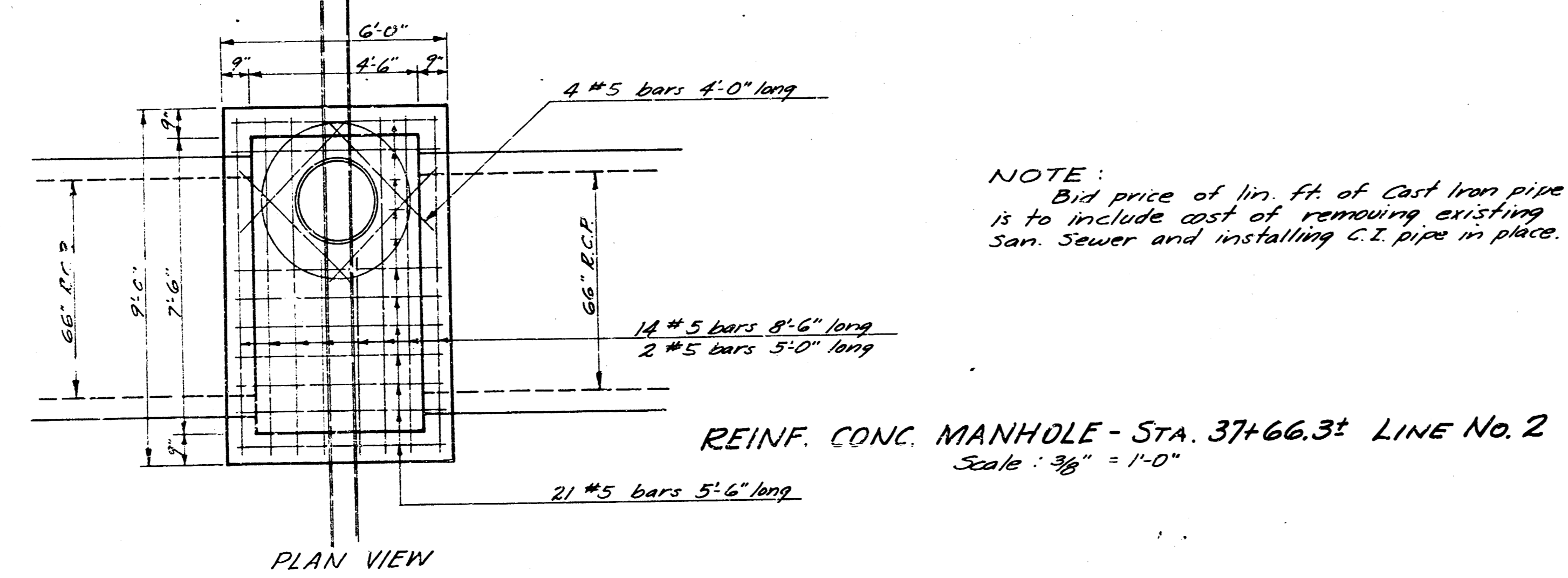
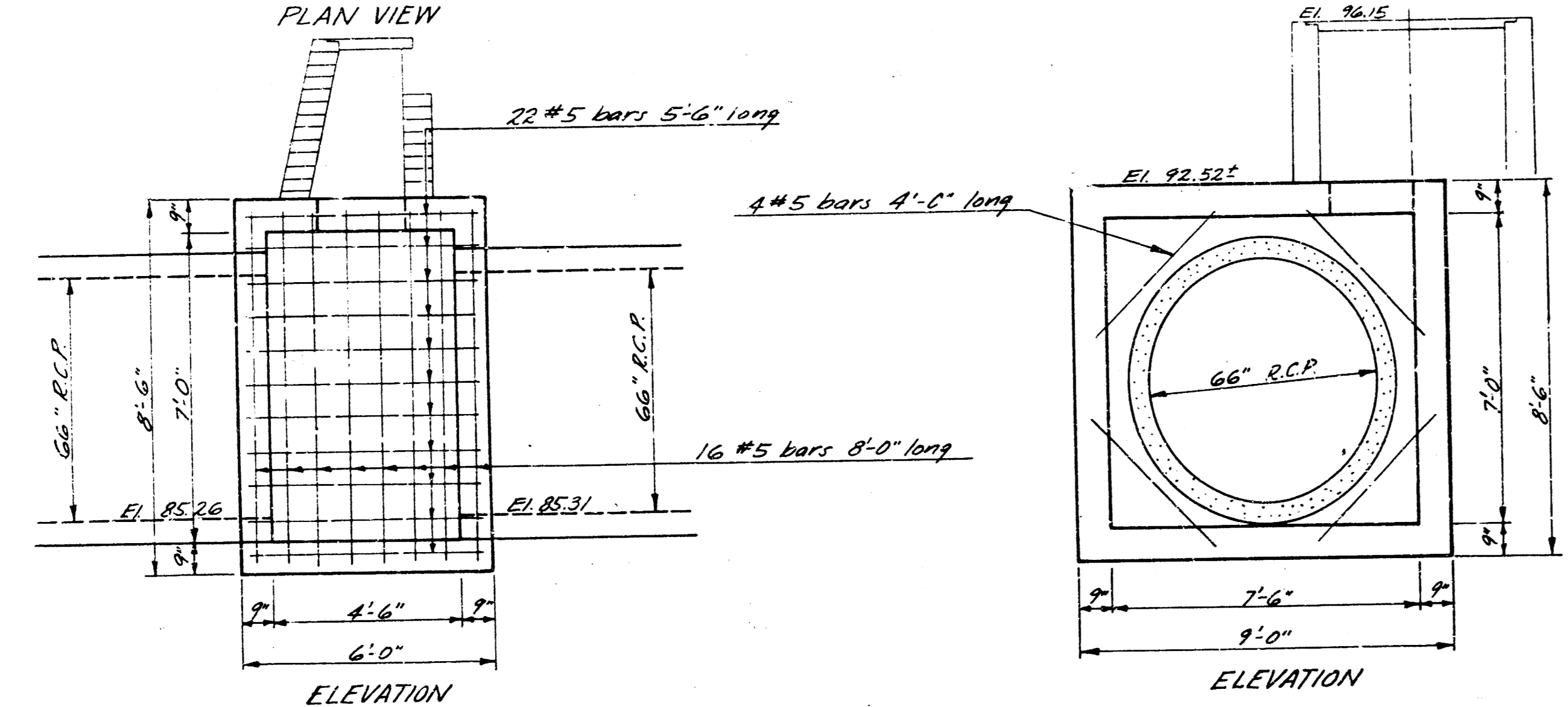
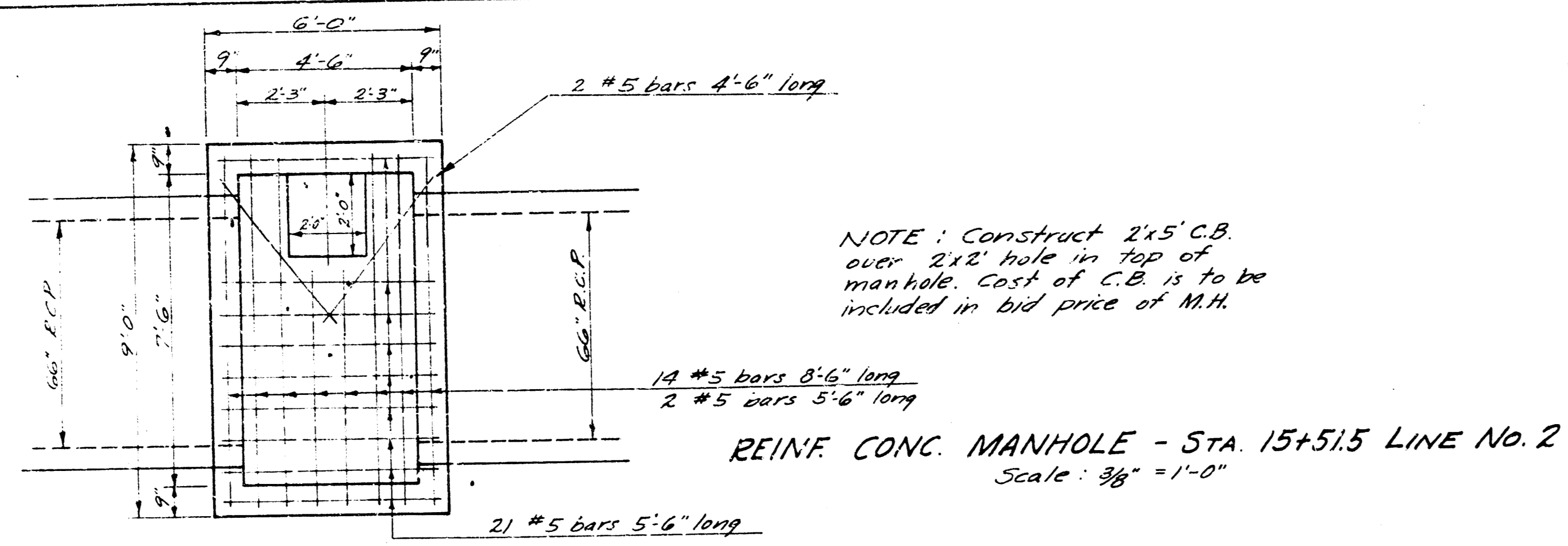


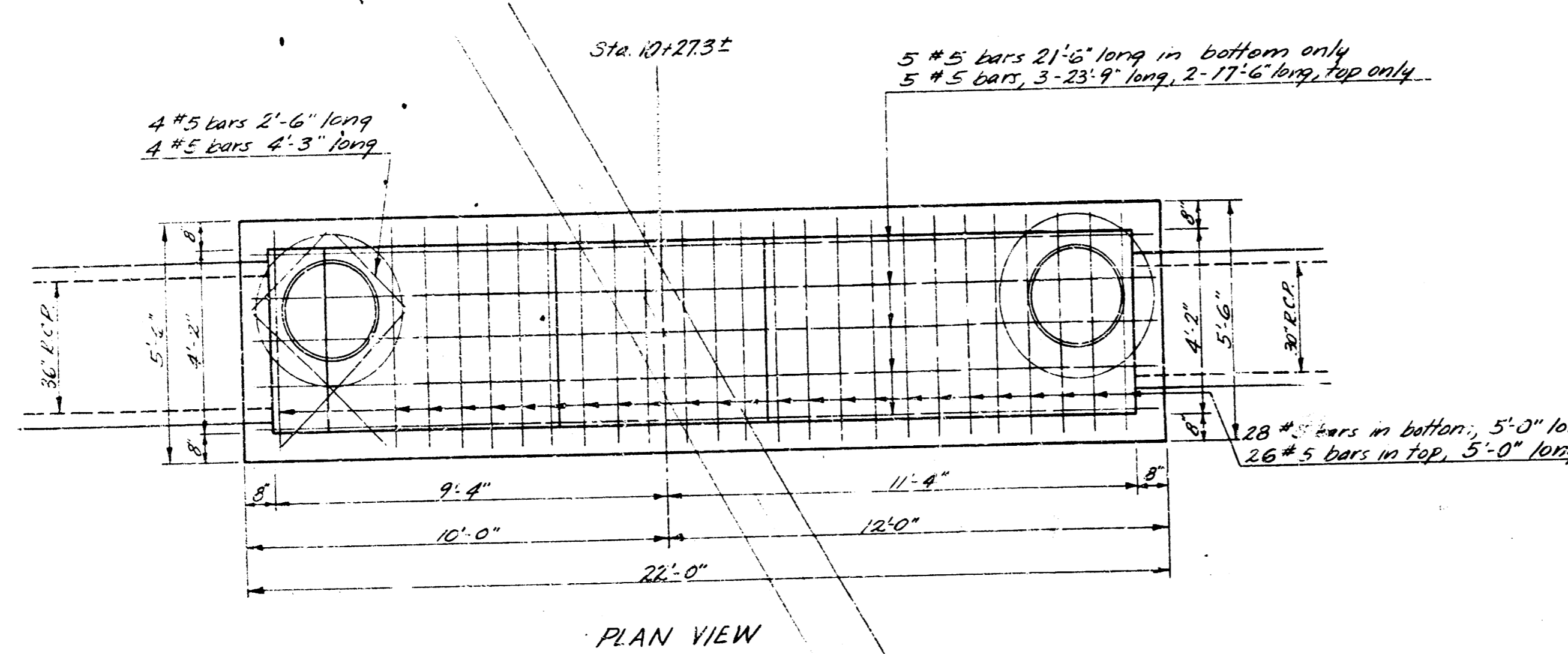
Bill of Material

Item	No.	Units
Concrete	35.1	Cu Yds
Reinf. Steel	2861	Lbs

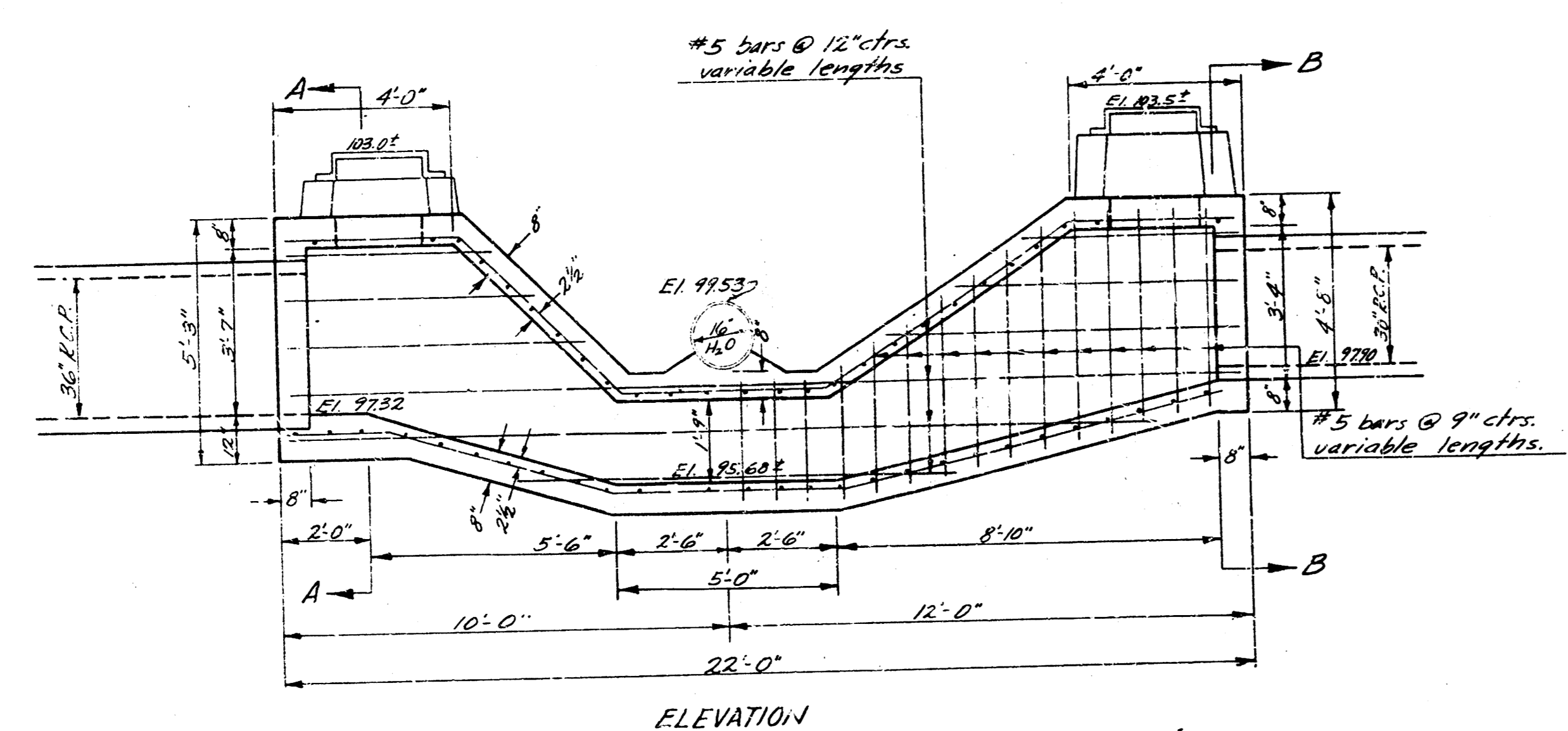


REINF. CONC. INVERTED SIPHON - STA. 13+34.1 ± LINE NO. 2  
Scale: 3/8" = 1'-0"



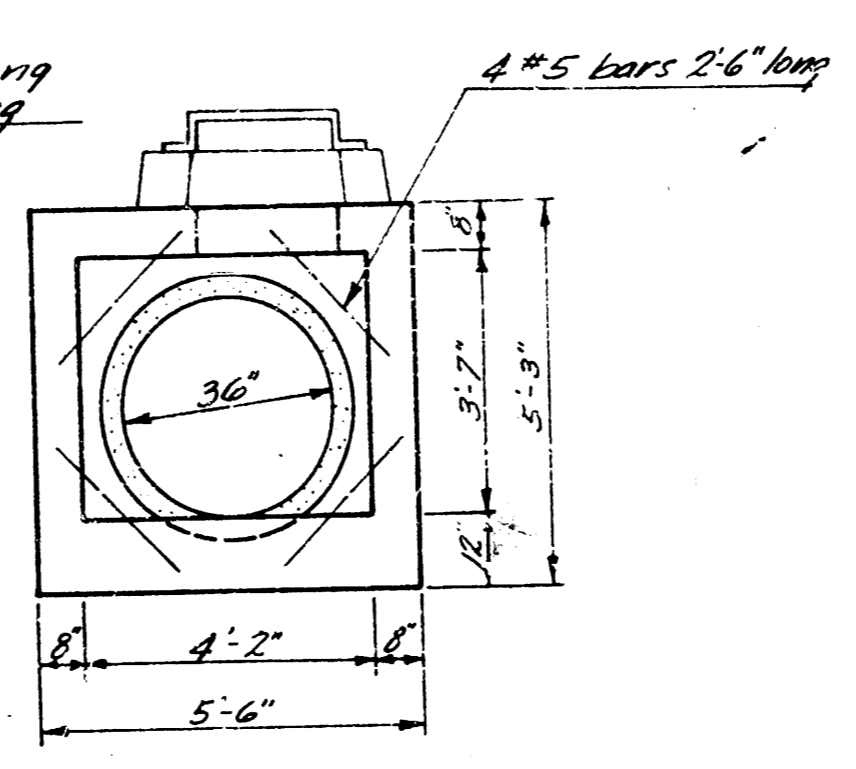


PLAN VIEW

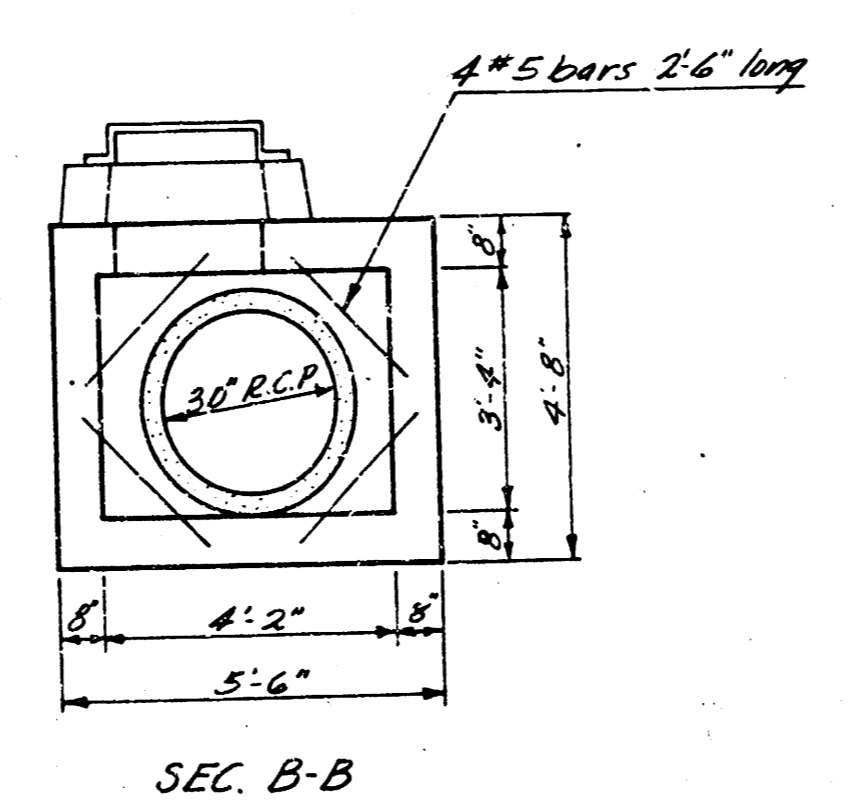


ELEVATION

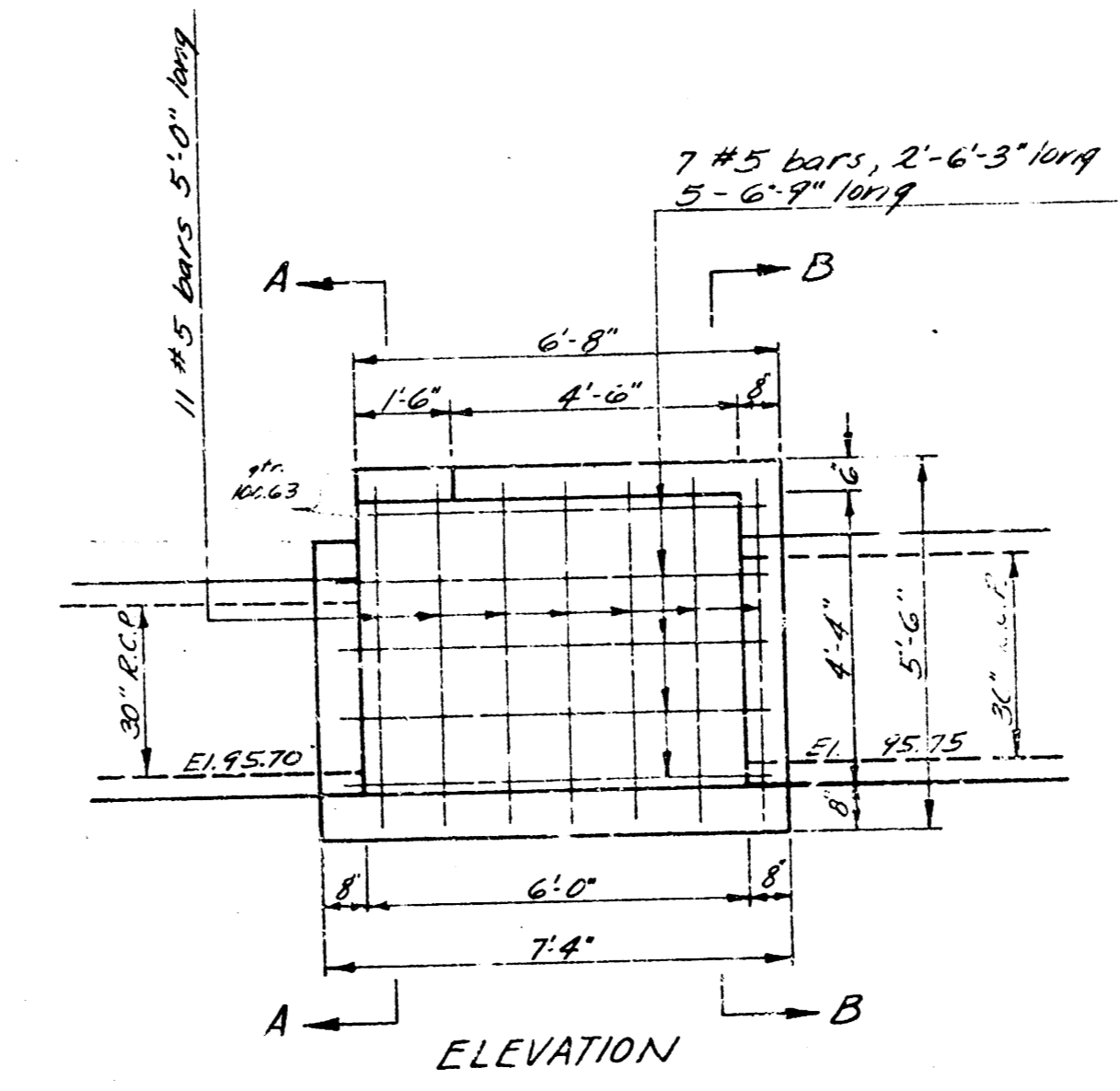
REINF. CONC. INVERTED SIPHON - STA. 10+27.3 LINE No. 3  
Scale: 3/8" = 1'-0"



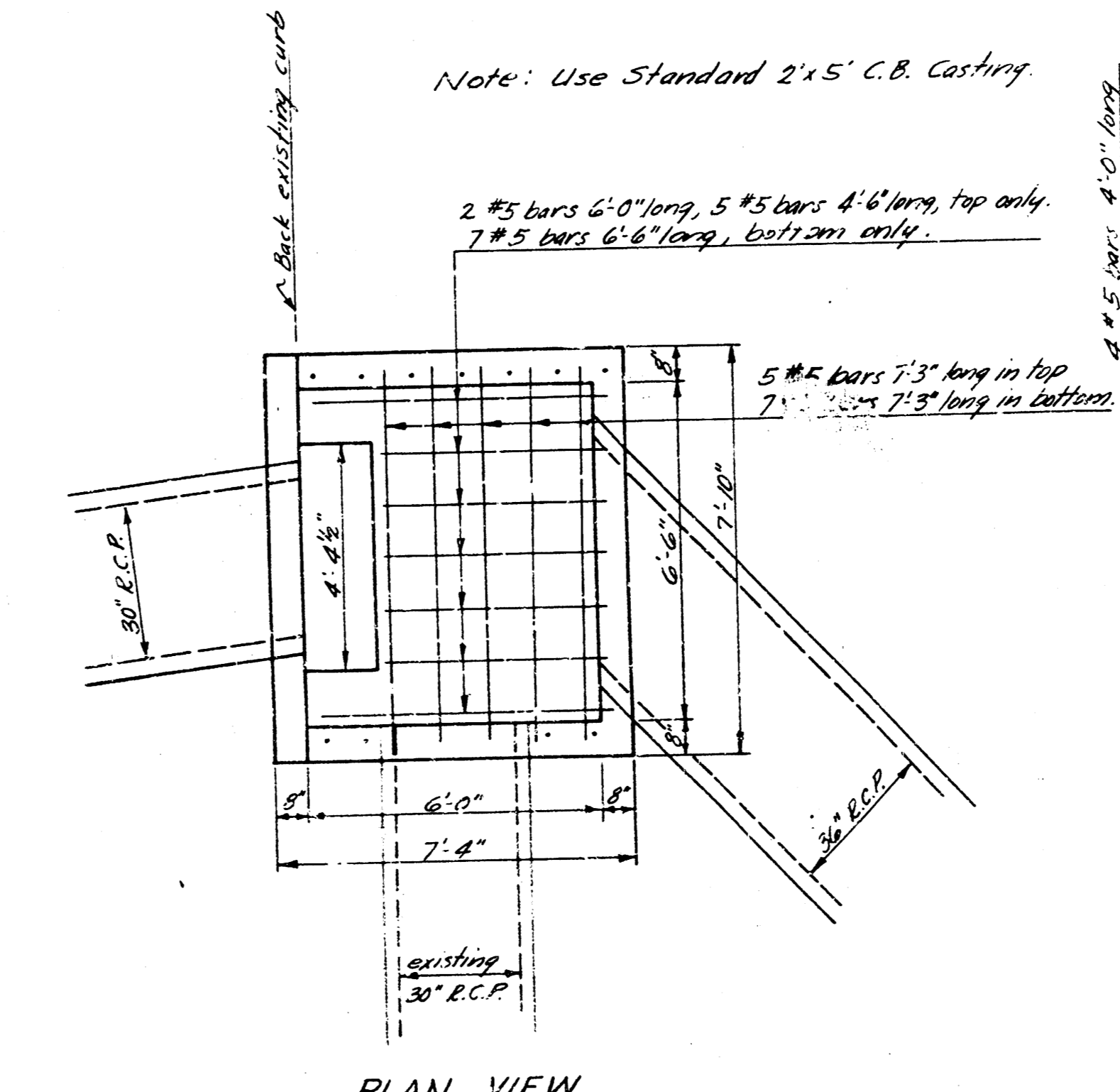
SEC. A-A



SEC. B-B

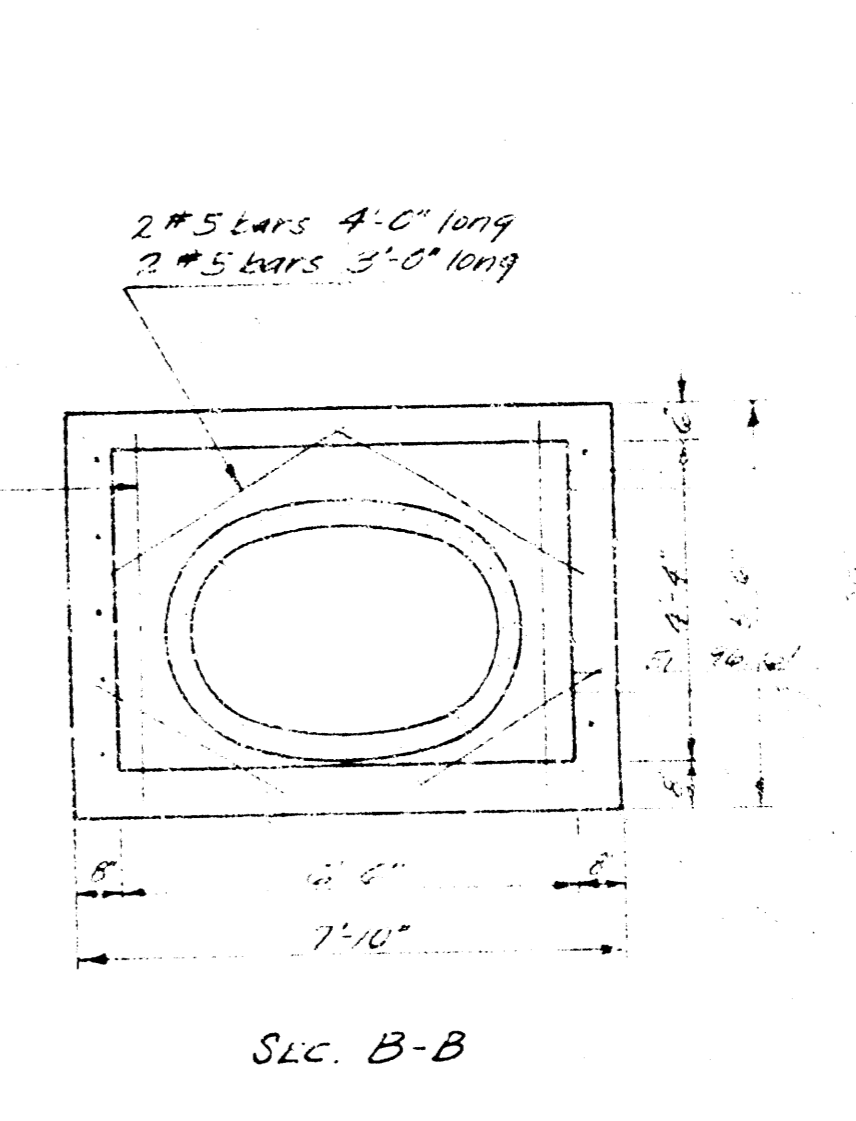


ELEVATION

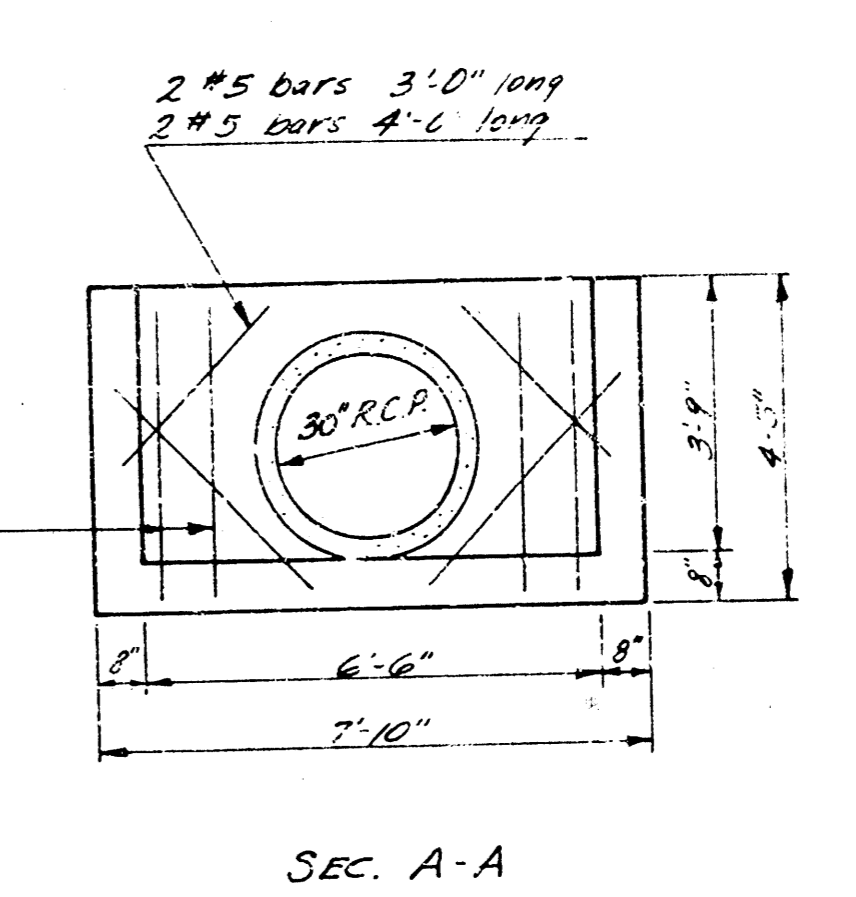


PLAN VIEW

REINF. CONC. BOX M.H. - C.B. - STA. 0+74 LINE No. 3  
Scale: 3/8" = 1'-0"



SEC. B-B



SEC. A-A

Note: Bid price of this structure is to include cost of removing existing M.H. - C.B.