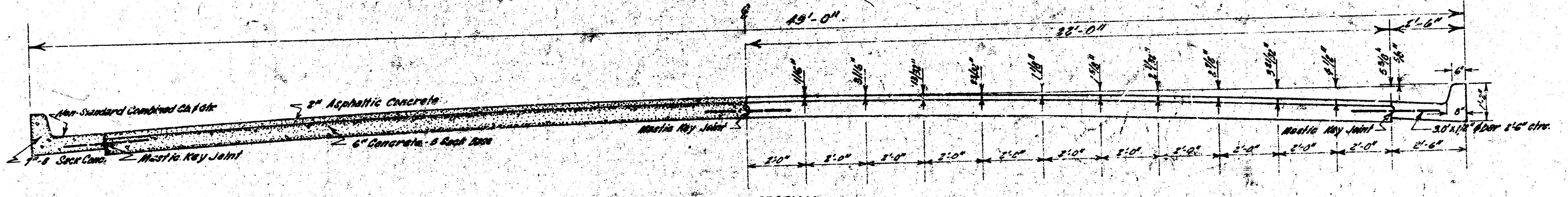
# THIRTEENTH STPEET

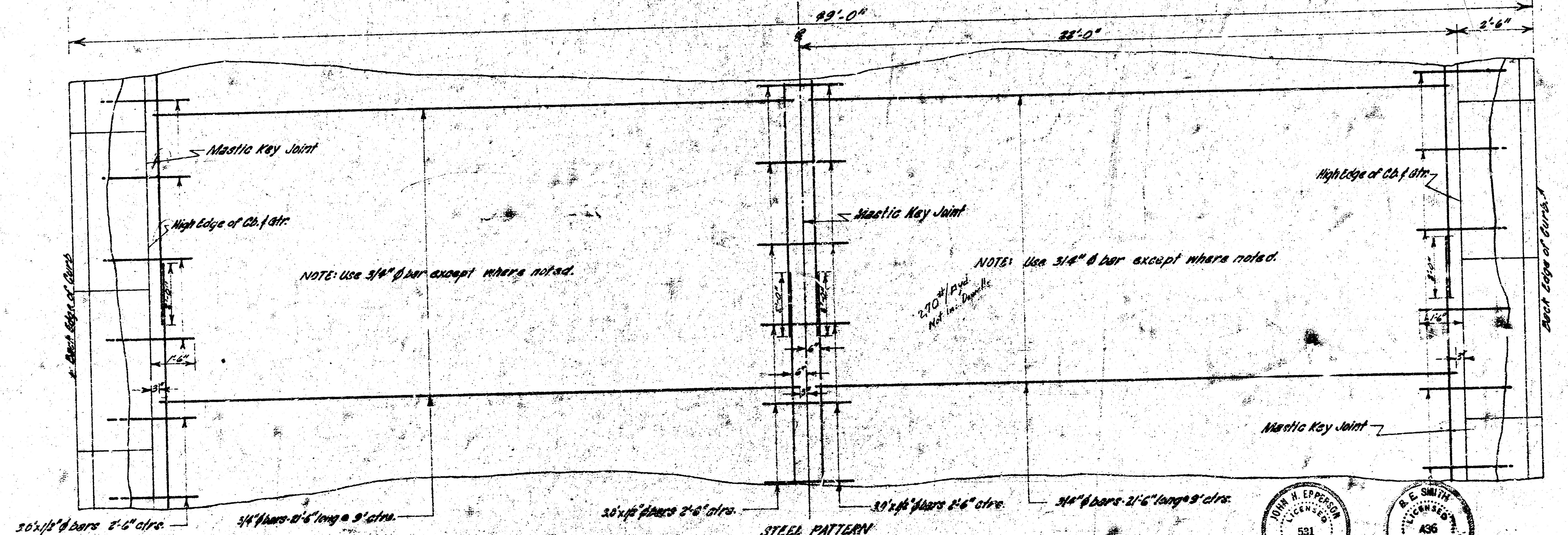
E.L. ST. PAUL AVE. --- W.L. McLEAN BLVD.

26'-2'-30' A.C. WIDEN TO 48' (8")

PROJ. NO. C.10-35



TYPICAL SECTION
Scale: 1" = 2'-0"


49'-0"
22'-0"
2'-6"
Mastic Key Joint
High Edge of Cb. & Gtr.
Back Edge of Curb
NOTE: Use 3/4" ϕ bar except where noted.
Mastic Key Joint
NOTE: Use 3/4" ϕ bar except where noted.
270#/P yd.
Not in. Dowells
High Edge of Cb. & Gtr.
Back Edge of Curb
Mastic Key Joint
1'-6"
3"
6"
3.0'x1/2" ϕ bars 2'-6" ctrs.
3/4" ϕ bars-21'-6" long @ 9" ctrs.
2.0'x1/2" ϕ bars 2'-6" ctrs.
3.0'x1/2" ϕ bars 2'-6" ctrs.
3/4" ϕ bars-21'-6" long @ 9" ctrs.

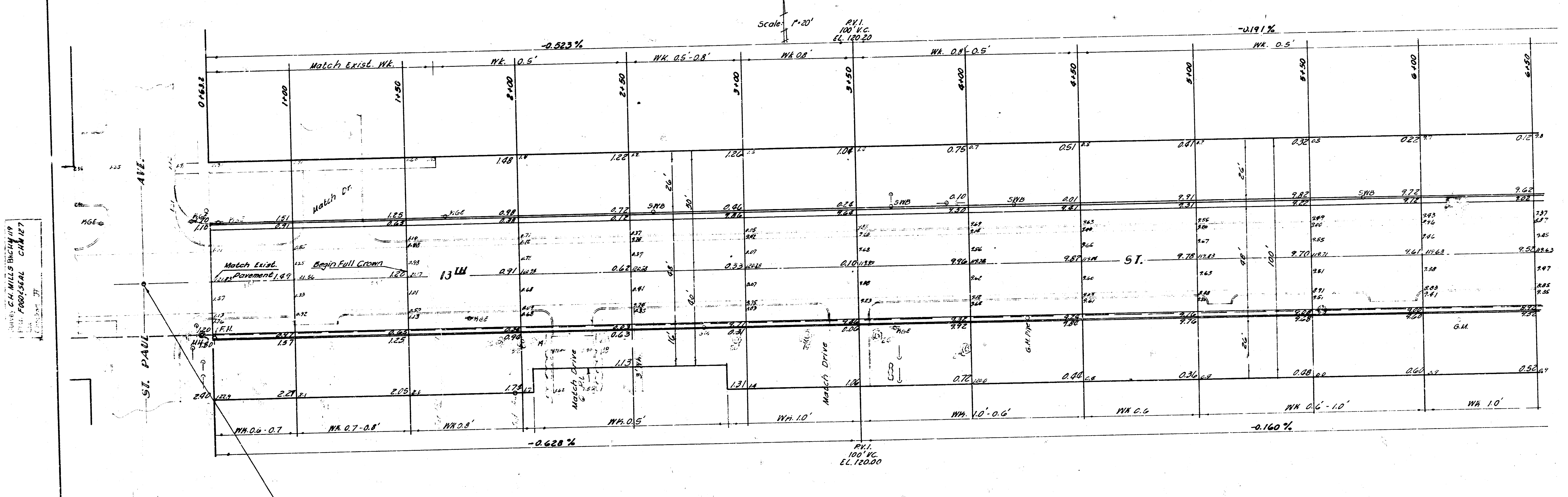
STEEL PATTERN
Scale: 1" = 2'-0"

JOHN H. EPPERSON 531

B. E. SMITH 436

1/7

B.M. 124.13 R.R. Spike W.S. of P.Pole N.E. Cor. St. Paul & 13th
B.M. 122.25 "□" E.S. Inter. □ N.E. Cor. St. Paul & 13th
B.M. 120.25 "□" on N.W. Cor of Lt. Post N.L. 13th Edwards
B.M. 118.339 Std. S.E. Cor. 13th & Meridian



TIES TO IRON ℄ ST. PAUL & 13TH:
1. 50.00' N. to Nail ℄ St. Paul Pav.
2. 50.00 N.E. to * on frt of Wk.
3. 50.00 N.W. to * on frt of Wk.

NOTE: FIELD ENGINEER TO DETERMINE AMOUNT OF DRIVES TO BE REMOVED AND REPLACED.

EARTHWORK QUANTITIES

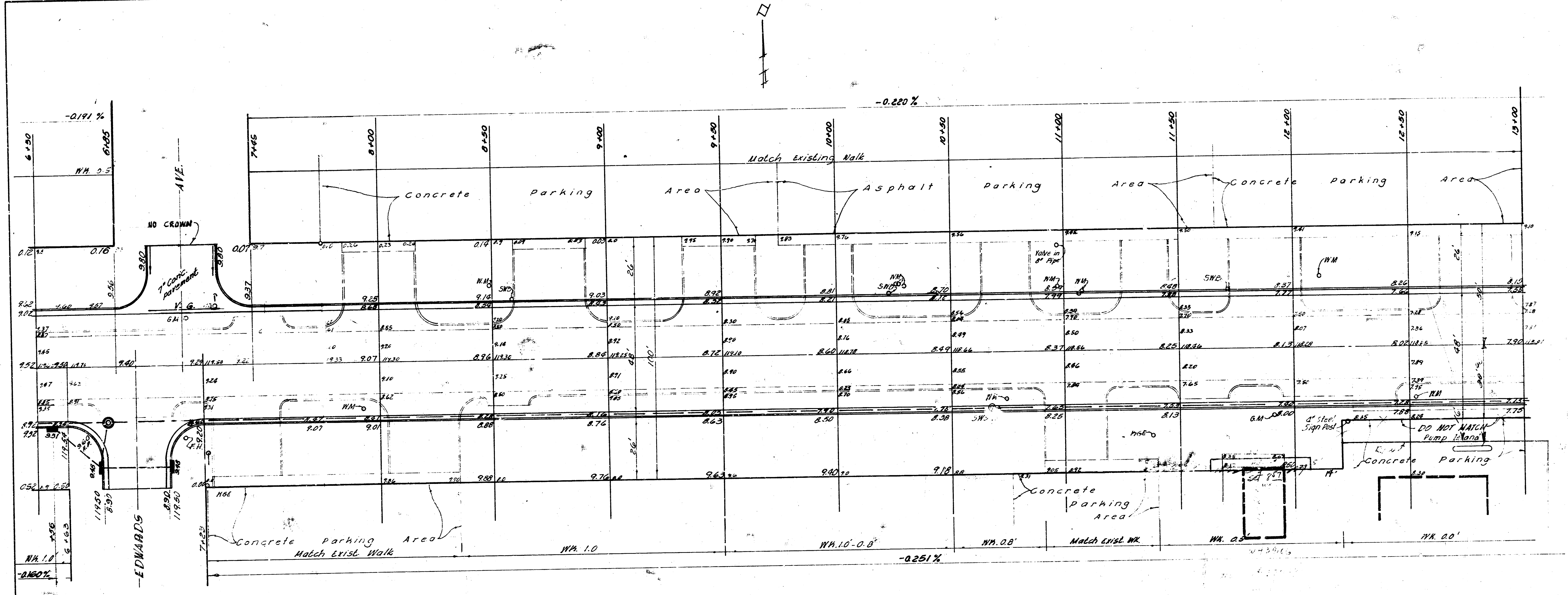
| | PROPERTY | CITY | IMPROVE. |
|---|---|---|---|
| EXCAVATION -- | 3194.5 C.Y. | 519.5 C.Y. | 2233.7 C.Y. |
| +10% | 319.5 C.Y. | 51.9 C.Y. | 223.3 C.Y. |
| TOTAL | 3514.0 C.Y. | 571.0 C.Y. | 2457.0 C.Y. |

2
11

JOHN A. EPPERSON
531

# THIRTEENTH ST.

E.L. ST. PAUL - W.L. McLEAN BLVD.
26-2-30 A.C. WIDEN TO 48' (8")
CITY OF WICHITA, KANS.
D. E. SMITH CITY ENGINEER
DATE: [illegible] 60 PROJ. NO. C 10-35



Thirteenth Street
St. Paul -- McLean

3
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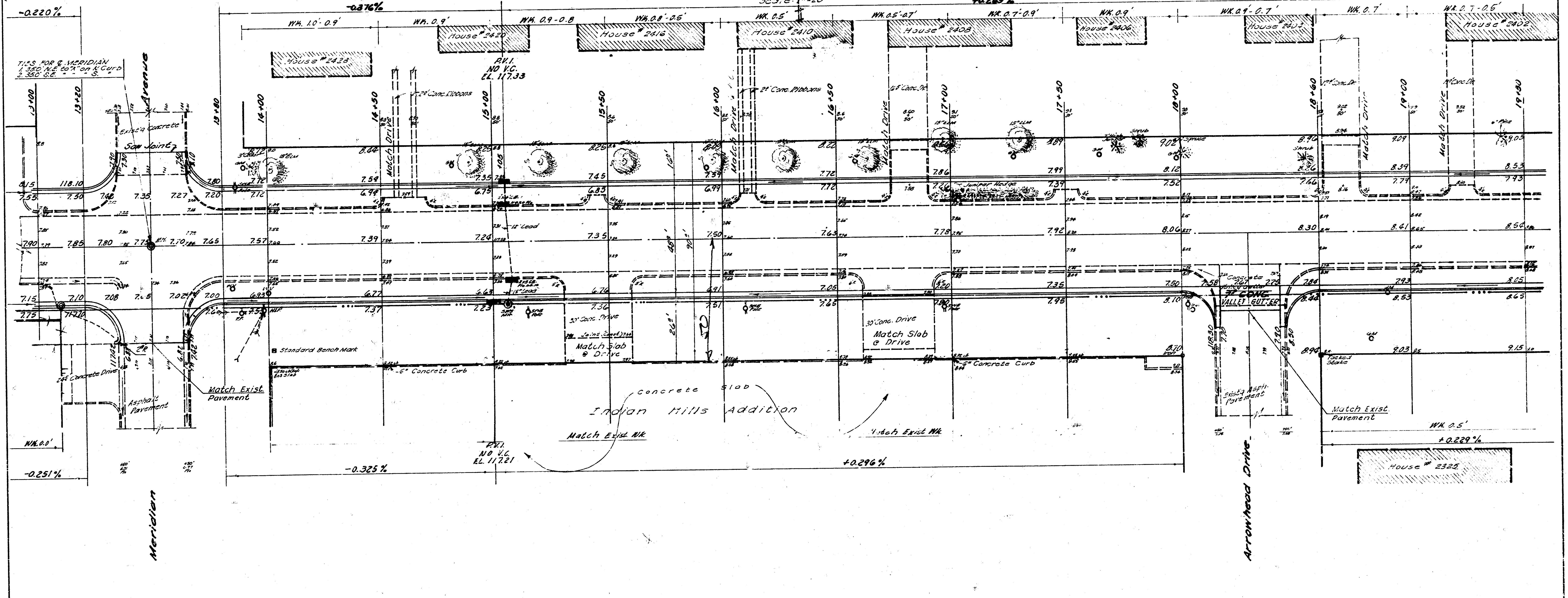
B.M. 118.339 Standard S.E. Cor. Meridian & 13th.
" 119.01 "x" on East curb St. Clair, 50' N. of Sec. Line 13th.
" 119.95 "x" on West curb Clarence, 50' N. of Sec. Line 13th.
B.M. 124.84 "x" on South curb Big Ark. River Bridge 12.0' East of S.W. Cor.



NOTE: INTERSECTION @ MERIDIAN TO BE CONSTRUCTED & OPEN TO NORTH-SOUTH TRAFFIC BEFORE CLOSING REMAINDER OF 13TH ST. TO EAST-WEST TRAFFIC. INTERSECTION OF 13TH ST. & McLEAN BLVD. (PROJ. NO. C19-15) TO BE CONSTR. SIMULTANEOUSLY WITH MERIDIAN INTERSECTION.

Thirteenth Street
St. Paul -- McLean

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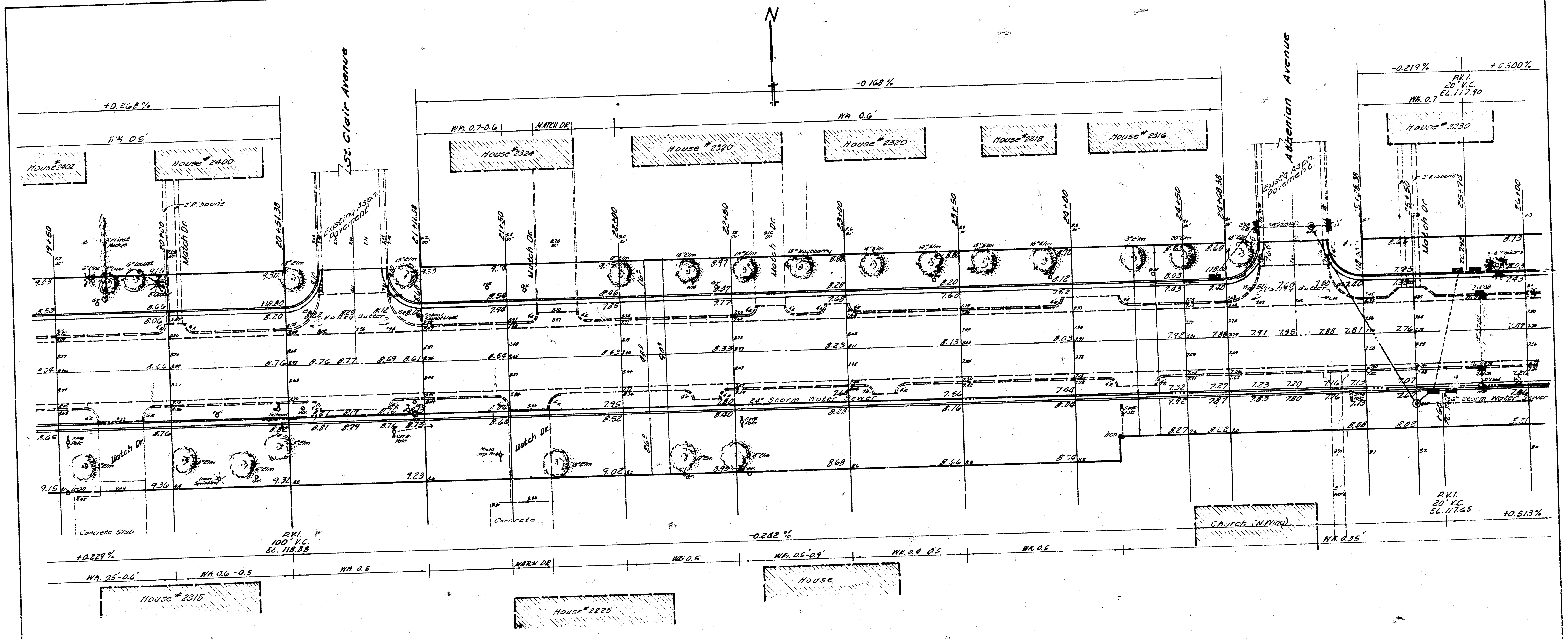

Thirteenth Street
St. Paul---McLean

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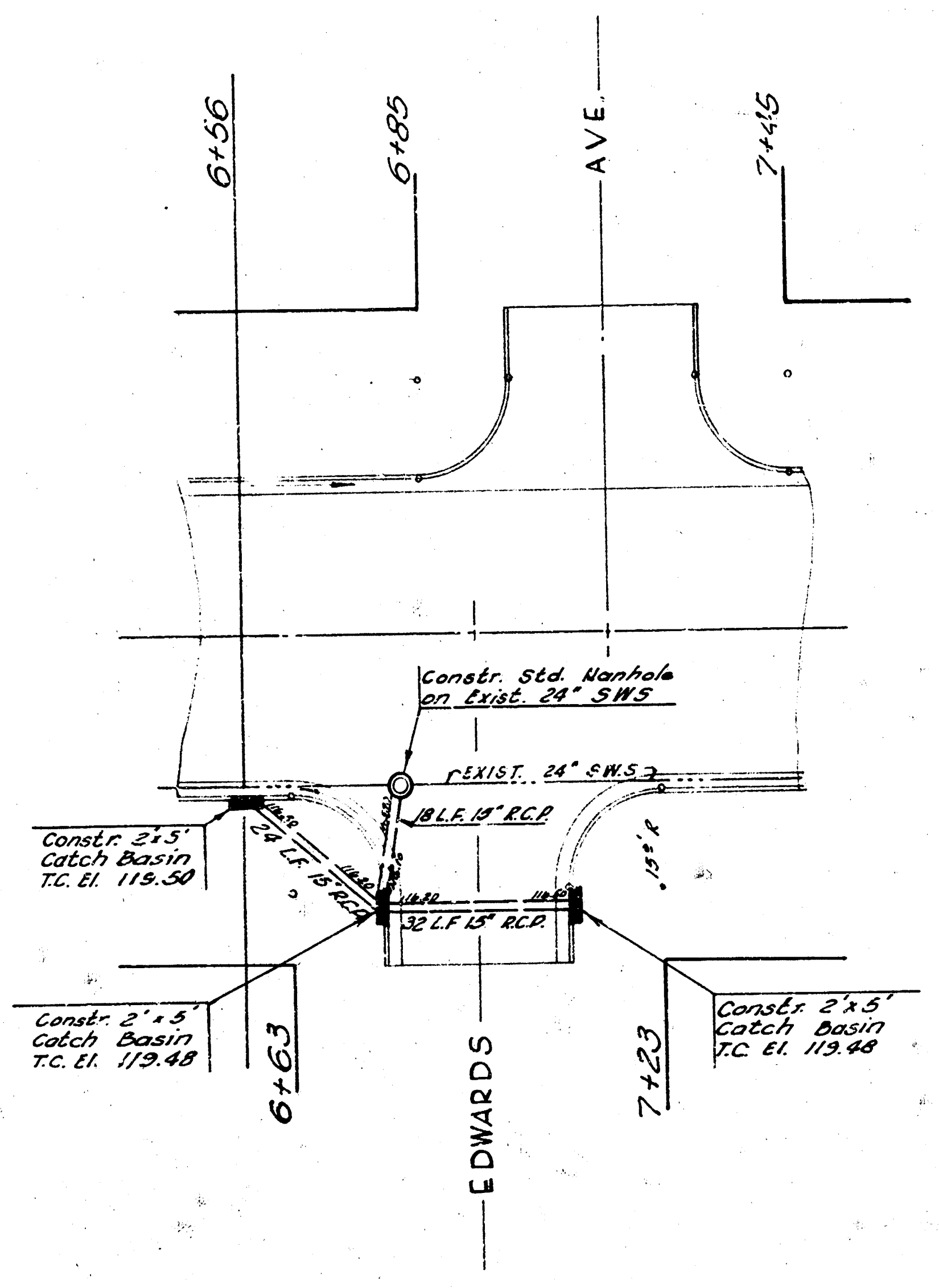
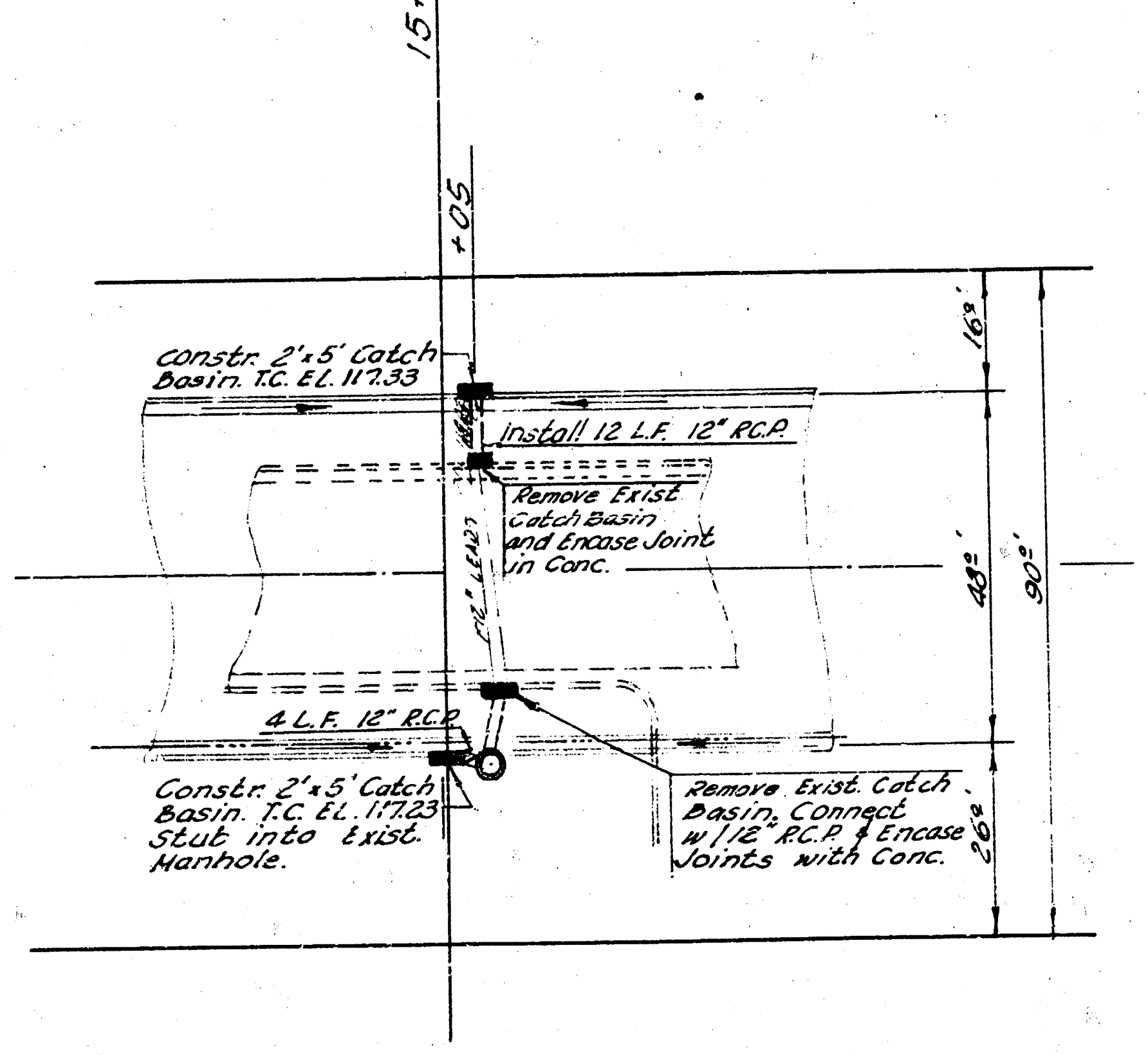
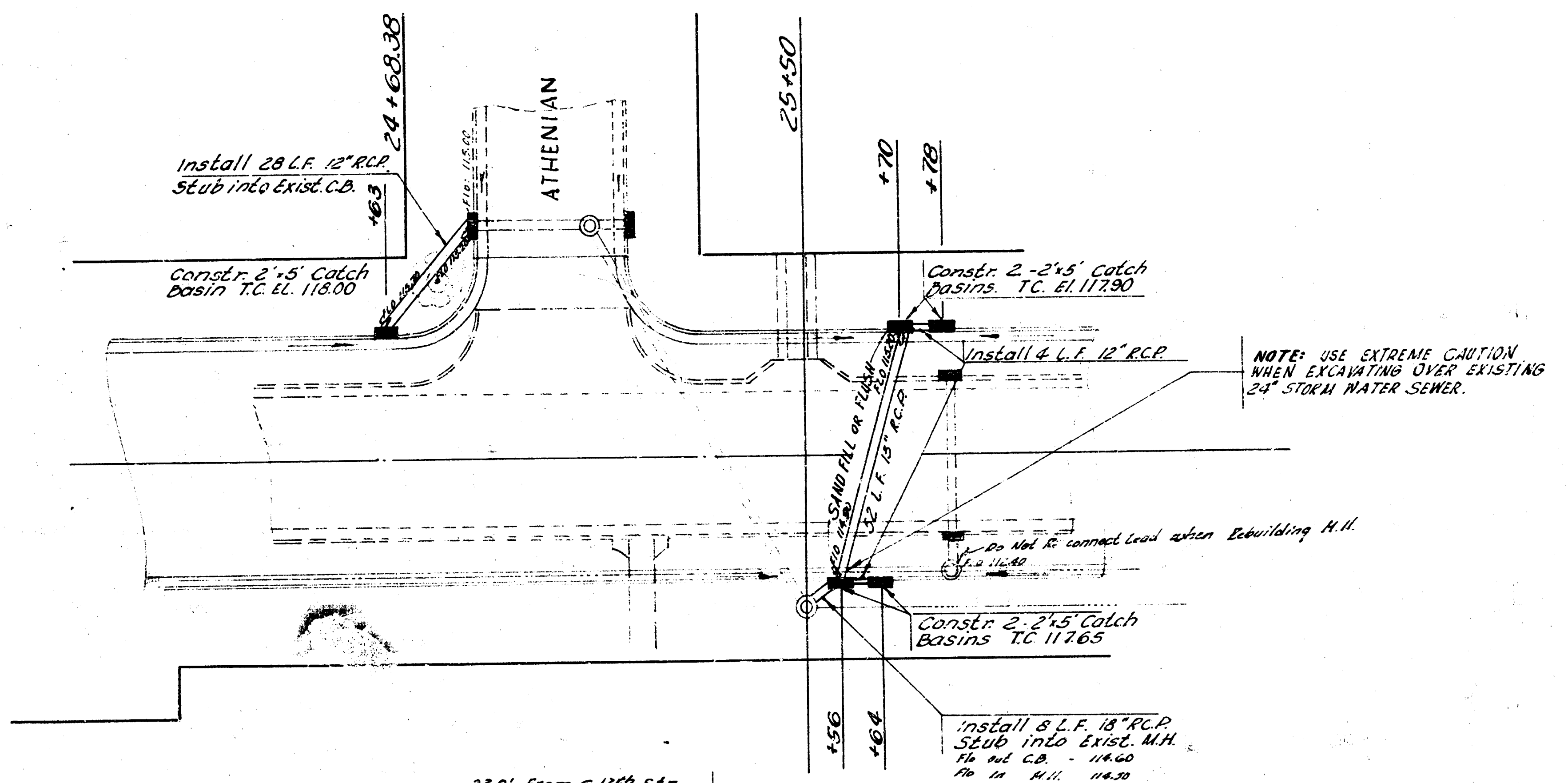
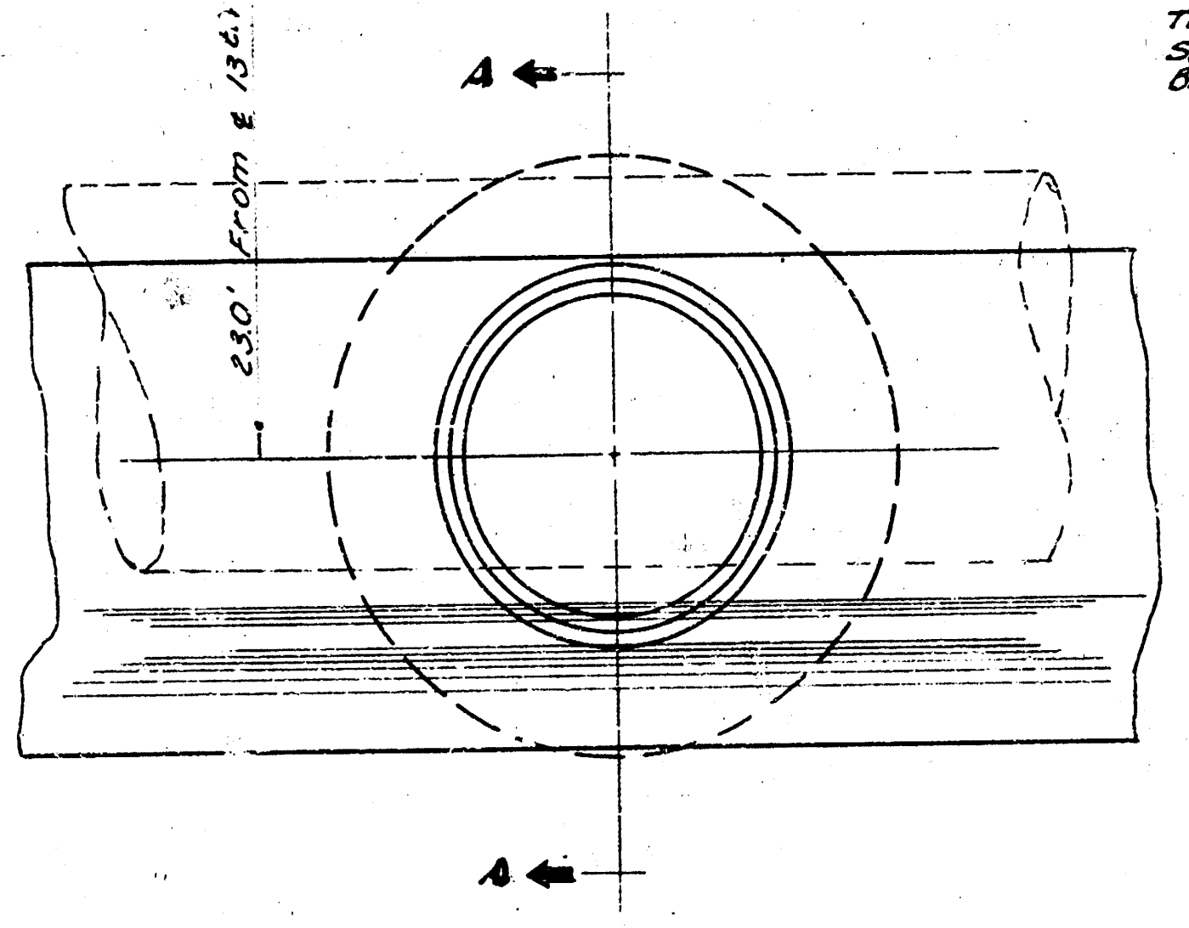

6+56
6+85
AVE.
7+15
Constr. Std. Manhole on Exist. 24" SWS
EXIST. 24" SWS
18 L.F. 15" R.C.P.
24 L.F. 15" R.C.P.
32 L.F. 15" R.C.P.
15' R
Constr. 2'x5' Catch Basin T.C. El. 119.50
Constr. 2'x5' Catch Basin T.C. El. 119.48
Constr. 2'x5' Catch Basin T.C. El. 119.48
6+63
EDWARDS
7+23


15+00
+05
Constr. 2'x5' Catch Basin. T.C. El. 117.33
Install 12 L.F. 12" R.C.P.
Remove Exist Catch Basin and Encase Joint in Conc.
12" LEAD
4 L.F. 12" R.C.P.
Constr. 2'x5' Catch Basin. T.C. El. 117.23 Stub into Exist. Manhole.
Remove Exist. Catch Basin. Connect w/ 12" R.C.P. & Encase Joints with Conc.
16'
48'
26'
90'

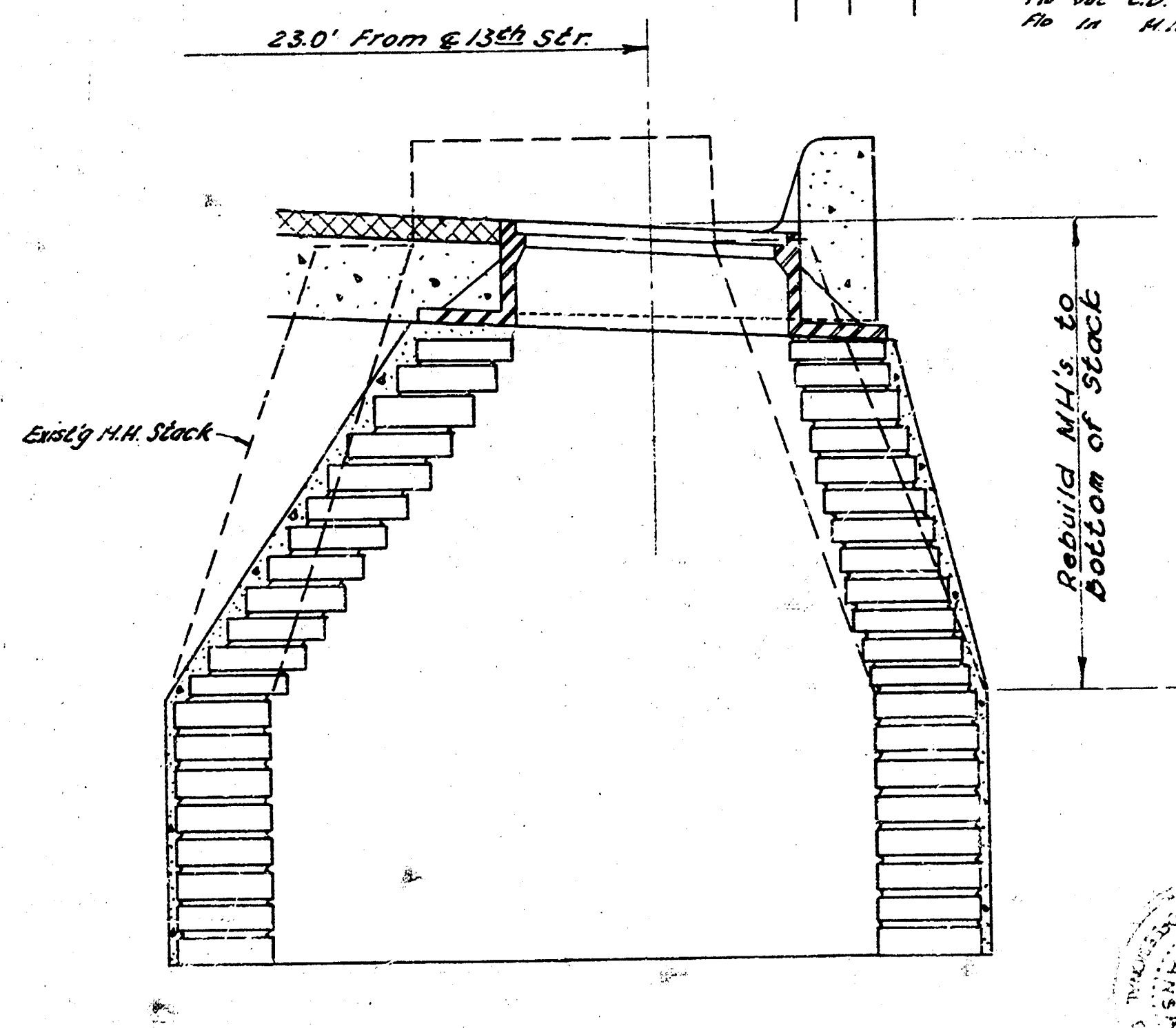

24+68.38
+63
Install 28 L.F. 12" R.C.P. Stub into Exist. C.B.
Constr. 2'x5' Catch Basin T.C. El. 118.00
ATHENIAN
25+50
+70
+78
Constr. 2-2'x5' Catch Basins. T.C. El. 117.90
Install 4 L.F. 12" R.C.P.
SAND FILL OR FLUSH
32 L.F. 15" R.C.P.
Do Not Re connect Lead when Rebuilding M.H.
Constr. 2-2'x5' Catch Basins T.C. 117.65
+56
+64
Install 8 L.F. 18" R.C.P. Stub into Exist. M.H.
Flo out C.B. - 114.60
Flo in M.H. 114.50

NOTE: USE EXTREME CAUTION WHEN EXCAVATING OVER EXISTING 24" STORM WATER SEWER.

NOTE: REBUILD MANHOLES ON 24" SEWER AS SHOWN IN SECTION A-A. APPROX. STATION OF MH'S TO BE REBUILT: STA 5+54; STA 10+68; STA. 13+10; STA 21+08 & STA. 25+80. MANHOLE AT STA 25+06 TO BE REBUILT OUTSIDE OF CURB IF NECESSARY.

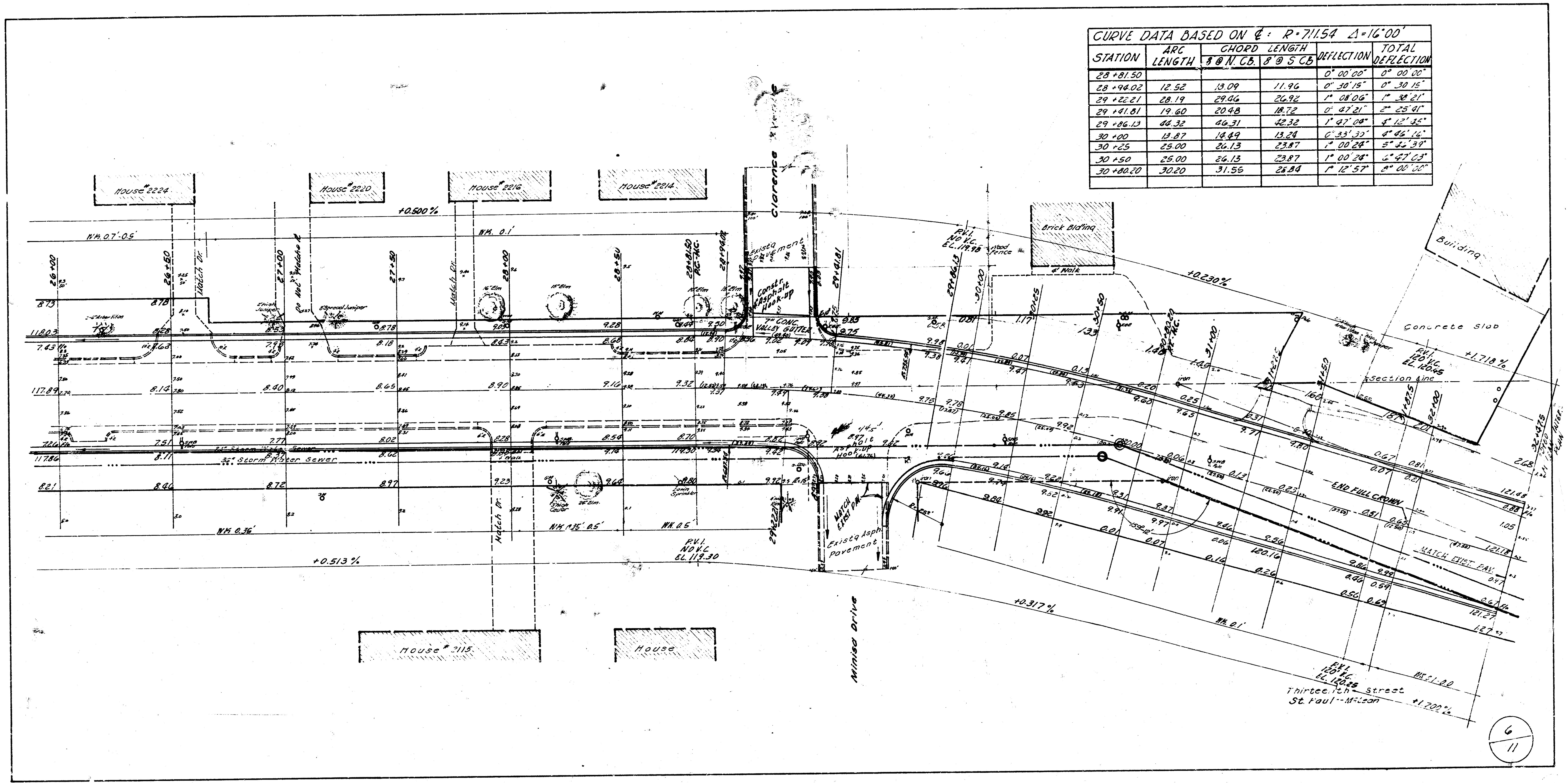


MANHOLE RING LOCATION DETAIL



SECTION A-A

INCIDENTAL DRAINAGE
13TH ST.
E.L. ST PAUL - W.L. McLEAN
CITY OF WICHITA, KS.
B.E. SMITH CITY ENGINEER
DATE: AUG. 60 PROJ. NO. C10-35



CURVE DATA BASED ON ℄ : R = 711.54 Δ = 16°00'

| STATION | ARC LENGTH | CHORD LENGTH 8' @ N. CB. | CHORD LENGTH 8' @ S CB | DEFLECTION | TOTAL DEFLECTION |
|---|---|---|---|---|---|
| 28 +81.50 | | | | 0° 00' 00" | 0° 00' 00" |
| 28 +94.02 | 12.52 | 13.09 | 11.96 | 0° 30' 15" | 0° 30' 15" |
| 29 +22.21 | 28.19 | 29.46 | 26.92 | 1° 08' 06" | 1° 38' 21" |
| 29 +41.81 | 19.60 | 20.48 | 18.72 | 0° 47' 21" | 2° 25' 41" |
| 29 +86.13 | 44.32 | 46.31 | 42.32 | 1° 47' 04" | 4° 12' 45" |
| 30 +00 | 13.87 | 14.49 | 13.24 | 0° 33' 30" | 4° 46' 16" |
| 30 +25 | 25.00 | 26.13 | 23.87 | 1° 00' 24" | 5° 46' 39" |
| 30 +50 | 25.00 | 26.13 | 23.87 | 1° 00' 24" | 6° 47' 03" |
| 30 +80.20 | 30.20 | 31.55 | 28.84 | 1° 12' 57" | 8° 00' 00" |
| | | | | | |