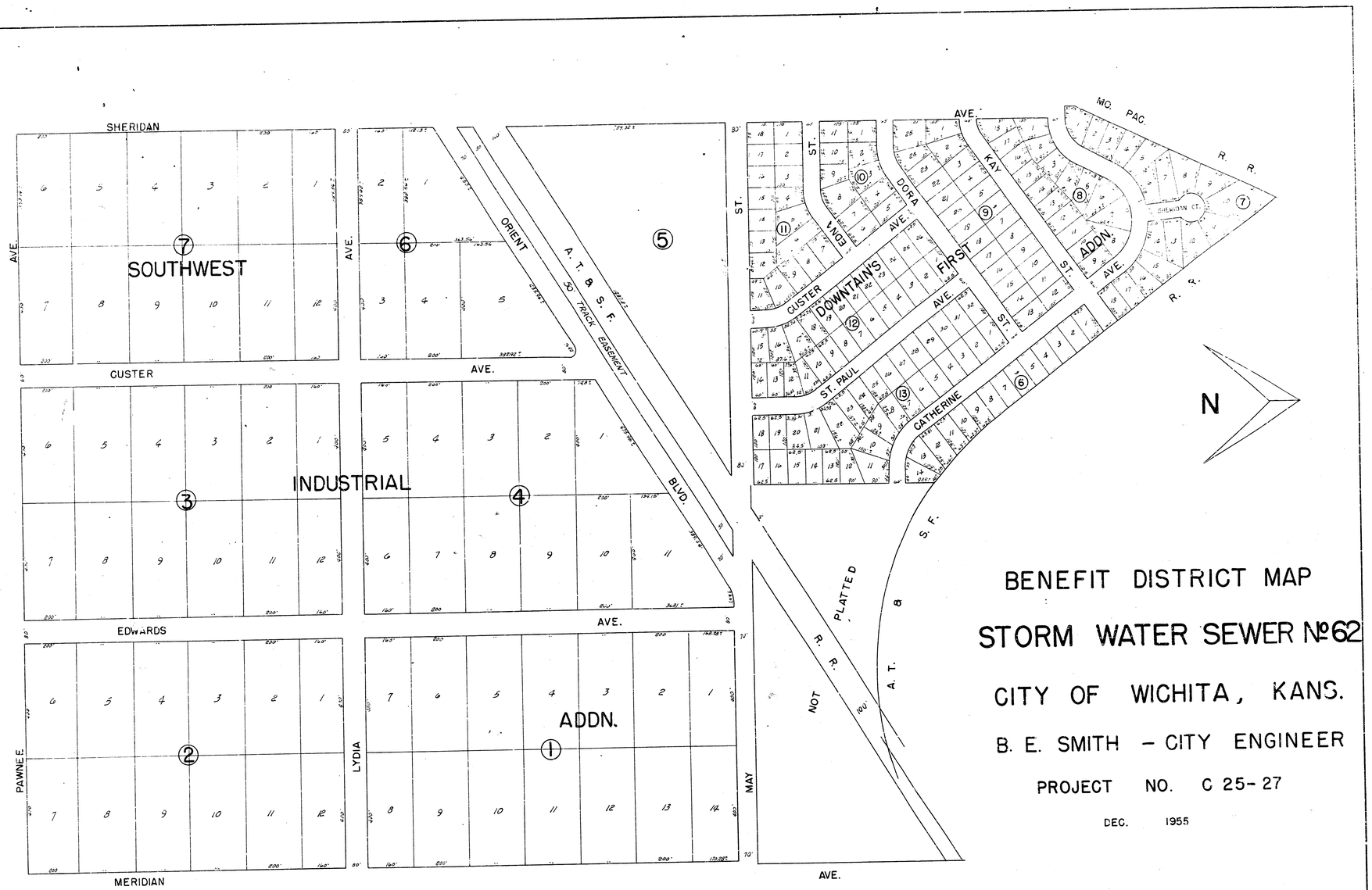


BENEFIT DISTRICT MAP

STORM WATER SEWER №62

CITY OF WICHITA, KANS.

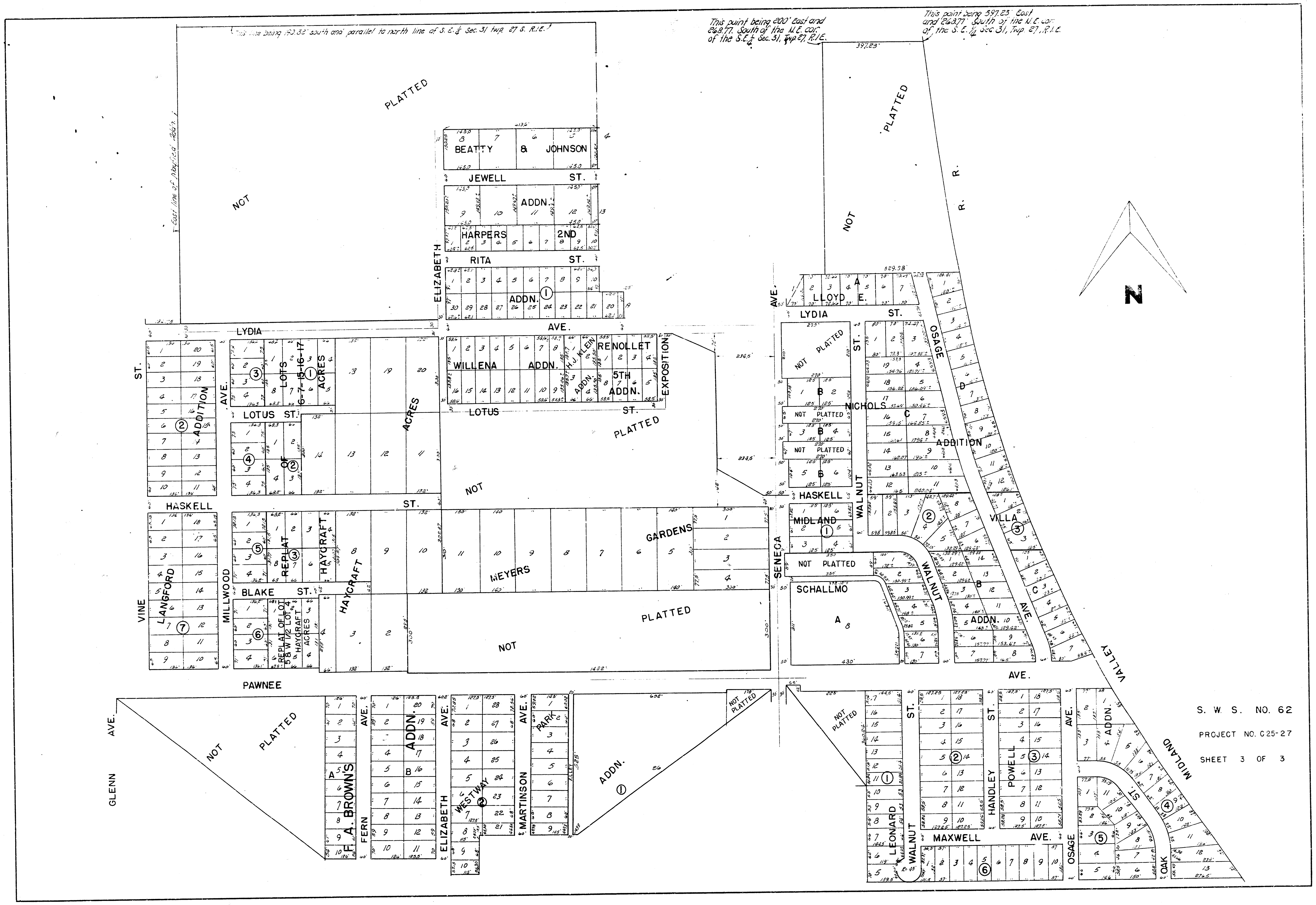
B. E. SMITH – CITY ENGINEER

PROJECT NO. C 25-27

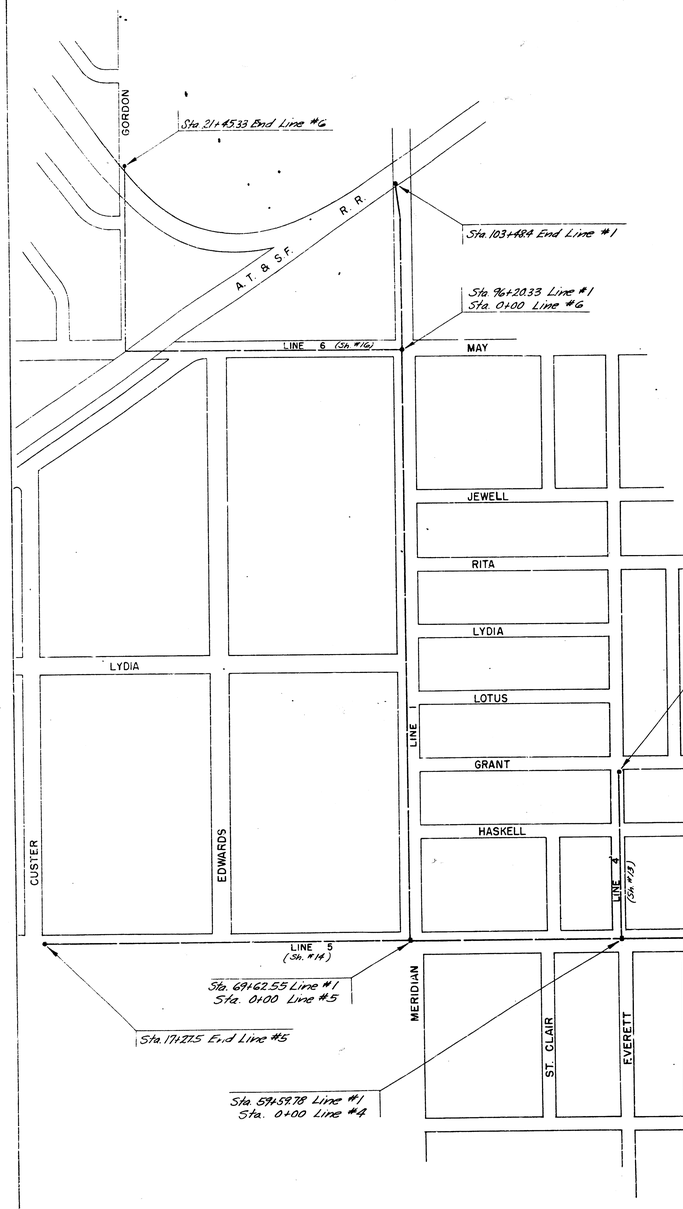
DEC. 1955

MERIDIAN
VILLAGE
SOUTHWEST
ADDITION TO
ST. CLAIR AVE.
EVERETT
BENNETT
ORIENTA
GLENN
VINE
BONN
HIRAM
EUCLID
LANGFORD
RENOLLET
2ND
3RD
4TH
ADDITION
ADDN.
NOT PLATTED
PARK
PAWNEE
LOTUS
LYDIA
RITA
GRANT
HADDEN
FIRST
SECOND
THIRD
FOURTH
FIFTH
SIXTH
SEVENTH
EIGHTH
NINTH
TENTH
ELEVENTH
TWELFTH
THIRTEENTH
FOURTEENTH
FIFTEENTH
SIXTEENTH
SEVENTEENTH
EIGHTEENTH
NINETEENTH
TWENTIETH
TWENTY-FIRST
TWENTY-SECOND
TWENTY-THIRD
TWENTY-FOURTH
ALLEY
AVE.
ST.
BLVD.
PLACE
SAVANNAH
MAXWELL
ATLANTA
HASKELL
JEWELL
MAY
FERGUSON
MAYFIELD
N

S. W. S. NO. 62
PROJ. NO. C 25-27
SHEET 2 OF 3



This point being 200' East and 268.77' South of the N.E. cor. of the S.E.¼ Sec. 31, Twp. 27, R.1E.
This point being 397.23' East and 268.77' South of the N.E. cor. of the S.E.¼ Sec. 31, Twp. 27, R.1E.
NOT PLATTED
BEATTY & JOHNSON
JEWELL ST.
HARPERS 2ND ADDN.
RITA ST.
ELIZABETH
ADDN. ①
LYDIA AVE.
WILLENA ADDN.
RENOLLET 5TH ADDN.
EXPOSITION
LOTUS ST.
NOT PLATTED
LOTS 6-7-15-16-17 ACRES ①
REPLAT OF ②
ACRES
ADDITION ②
ST.
AVE.
HASKELL ST.
REPLAT ③
HAYCRAFT
HAYCRAFT
MEYERS GARDENS
LANGFORD ⑦
VINE
MILLWOOD
BLAKE ST.
REPLAT OF LOT 5 & W 1/2 LOT 4 HAYCRAFT ACRES
NOT PLATTED
PAWNEE
GLENN AVE.
NOT PLATTED
F. A. BROWN'S ADDN.
FERN AVE.
ELIZABETH AVE.
WESTWAY ②
MARTINSON AVE.
PARK
ADDN. ①
R. R.
N
LLOYD E.
LYDIA ST.
NOT PLATTED
NICHOLS ADDITION
OSAGE AVE.
SENECA AVE.
HASKELL
WALNUT ST.
MIDLAND ①
VILLA ③
NOT PLATTED
SCHALLMO
WALNUT
ADDN.
VALLEY AVE.
NOT PLATTED
LEONARD ST.
HANDLEY ST.
POWELL ③
ADDN.
MIDLAND
MAXWELL AVE.
WALNUT
OSAGE
OAK
ST.
S. W. S. NO. 62
PROJECT NO. C25-27
SHEET 3 OF 3



N

LOCATION MAP

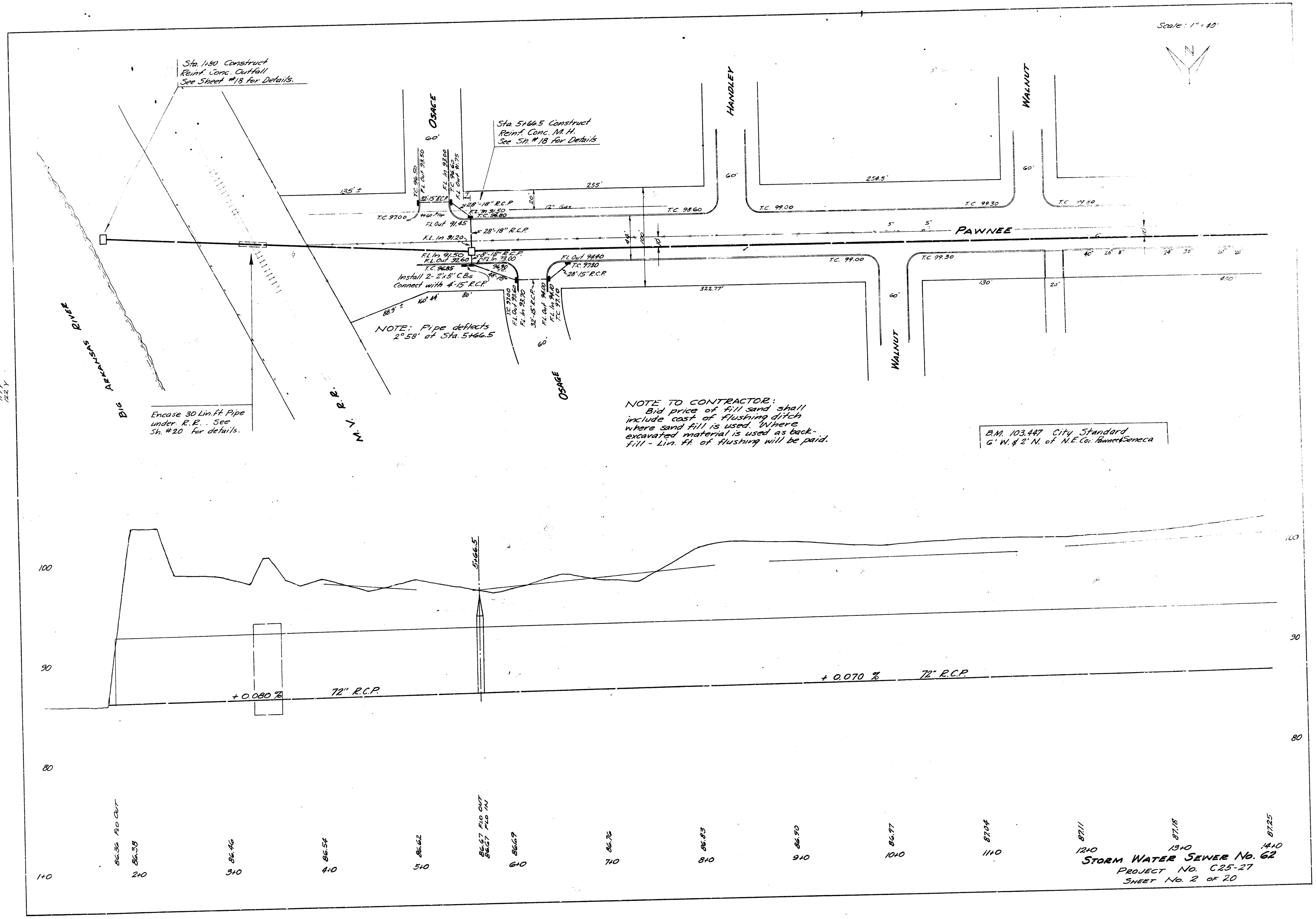
STORM WATER SEWER NO. 62

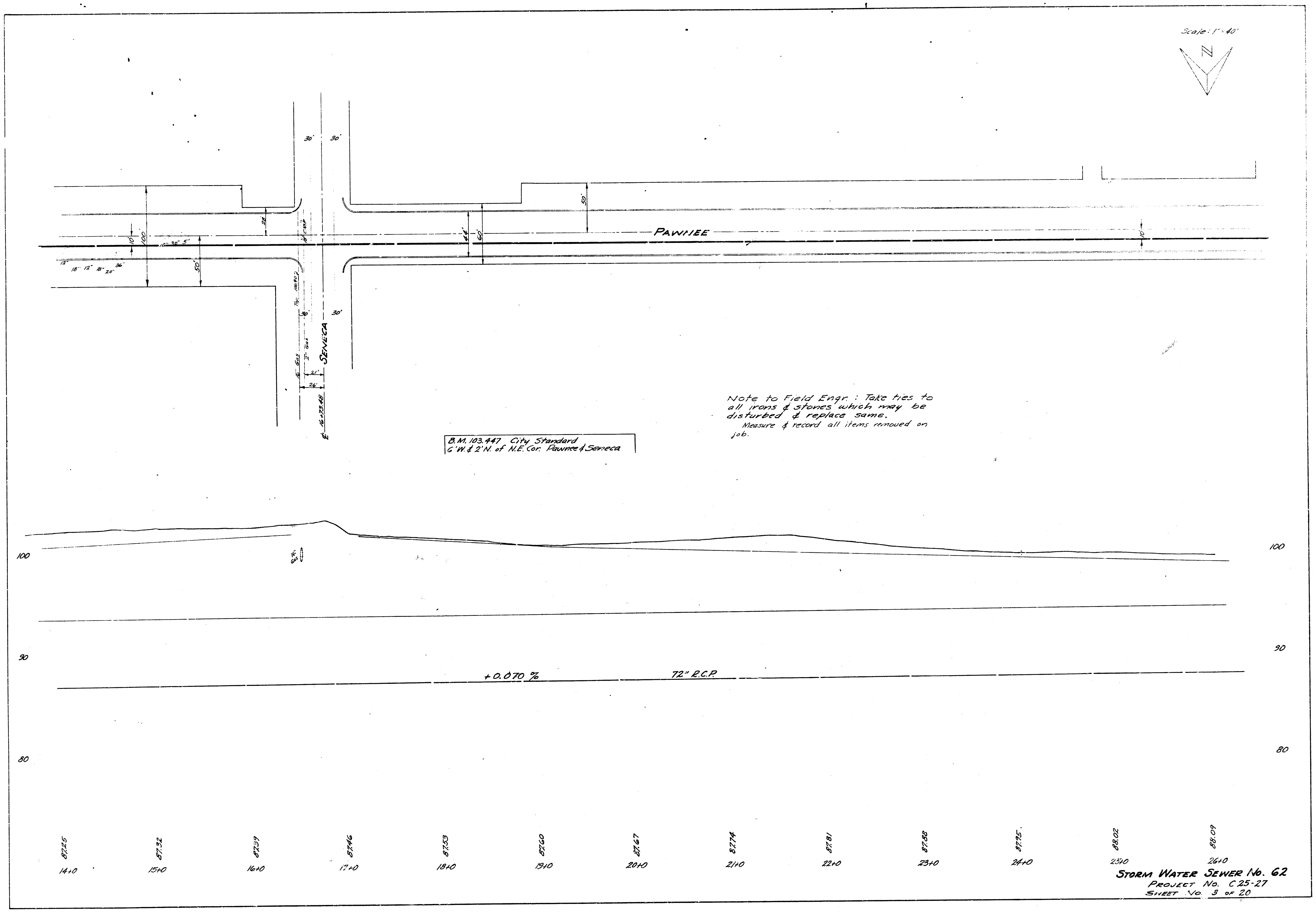
CITY OF WICHITA, KANSAS

B. E. SMITH - CITY ENGINEER

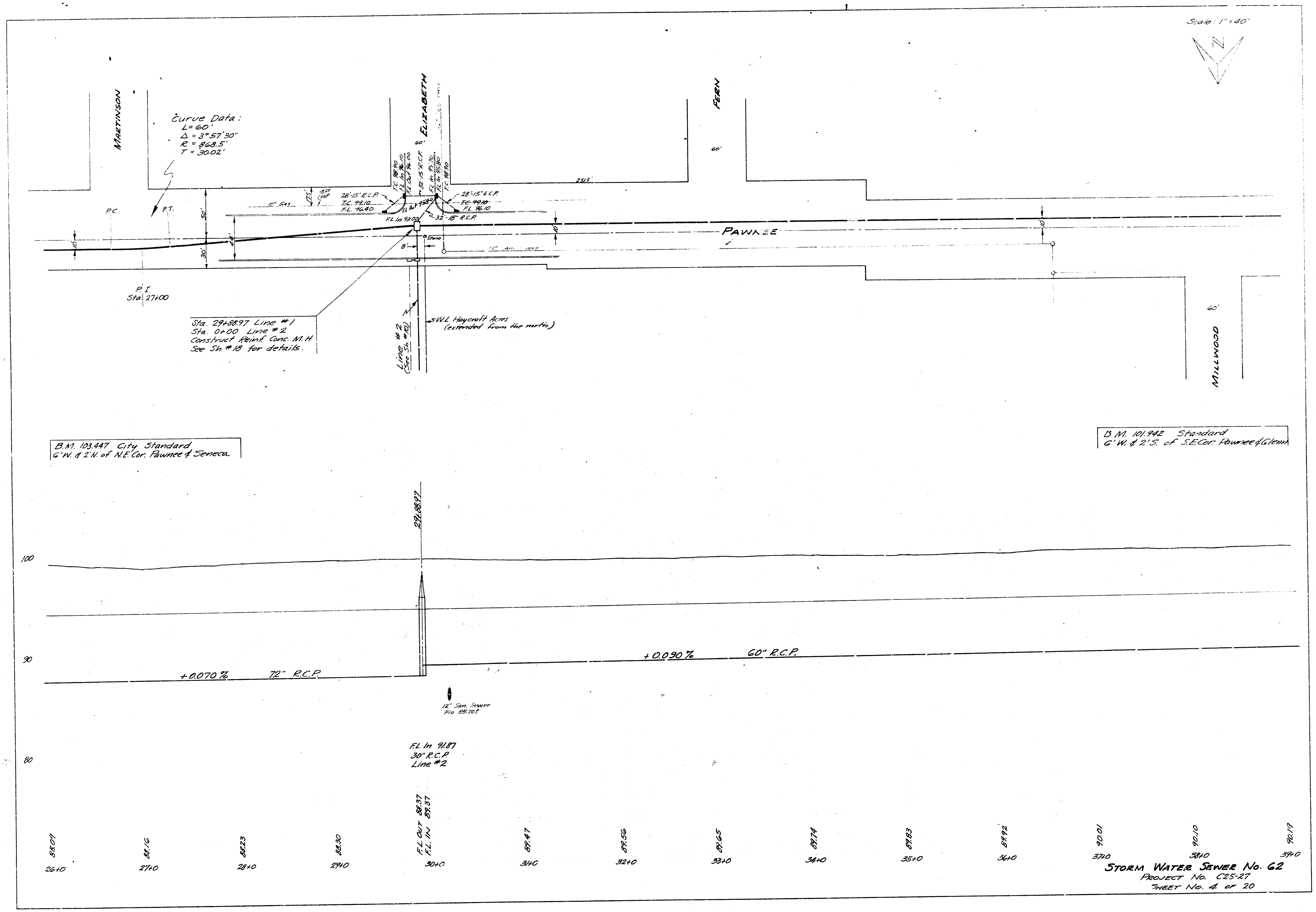
PROJECT NO. C25-27

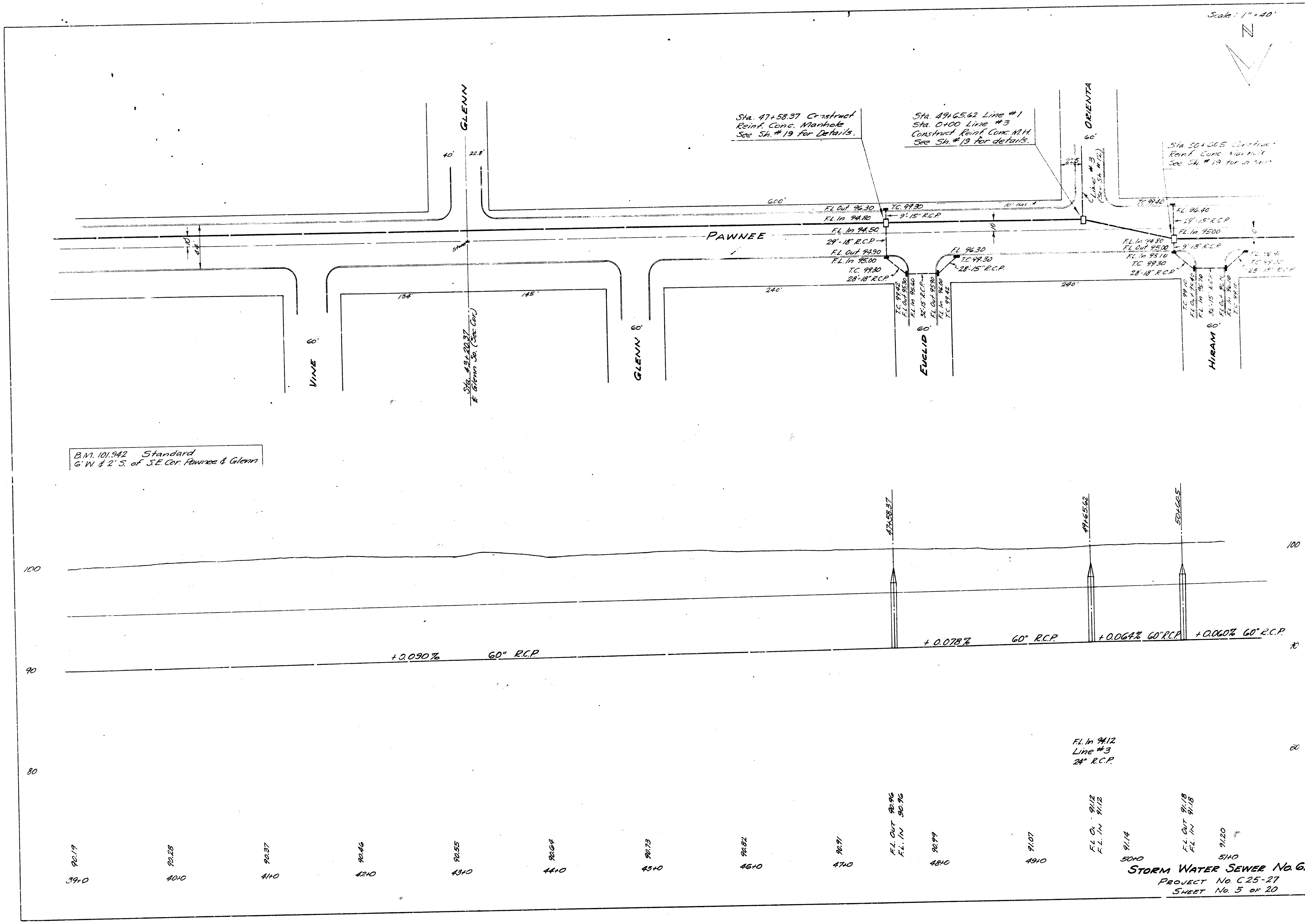
APRIL, 1956


Scale: 1" = 40'
Sta. 1+30 Construct Reinf. Conc. Outfall. See Sheet #18 for Details.
Sta. 5+66.5 Construct Reinf. Conc. M.H. See Sh. #18 for Details
OSAGE
HANDLEY
WALNUT
PAWNEE
BIG ARKANSAS RIVER
M. V. R. R.
Install 2 - 2'x5' C.B.s Connect with 4-15" R.C.P.
NOTE: Pipe deflects 2°58' at Sta. 5+66.5
Encase 30 Lin. Ft. Pipe under R.R. See Sh. #20 for details.
NOTE TO CONTRACTOR: Bid price of fill sand shall include cost of flushing ditch where sand fill is used. Where excavated material is used as back-fill - Lin. ft. of flushing will be paid.
B.M. 103.447 City Standard
6' W. & 2' N. of N.E. Cor. Pawnee & Seneca
+ 0.080 %
72" R.C.P.
+ 0.070 %
72" R.C.P.
5+66.5
100
90
80
1+0
2+0
3+0
4+0
5+0
6+0
7+0
8+0
9+0
10+0
11+0
12+0
13+0
14+0
86.36 FLO OUT
86.38
86.46
86.54
86.62
86.67 FLO OUT
86.67 FLO IN
86.69
86.76
86.83
86.90
86.97
87.04
87.11
87.18
87.25
STORM WATER SEWER No. 62
PROJECT No. C25-27
SHEET No. 2 OF 20

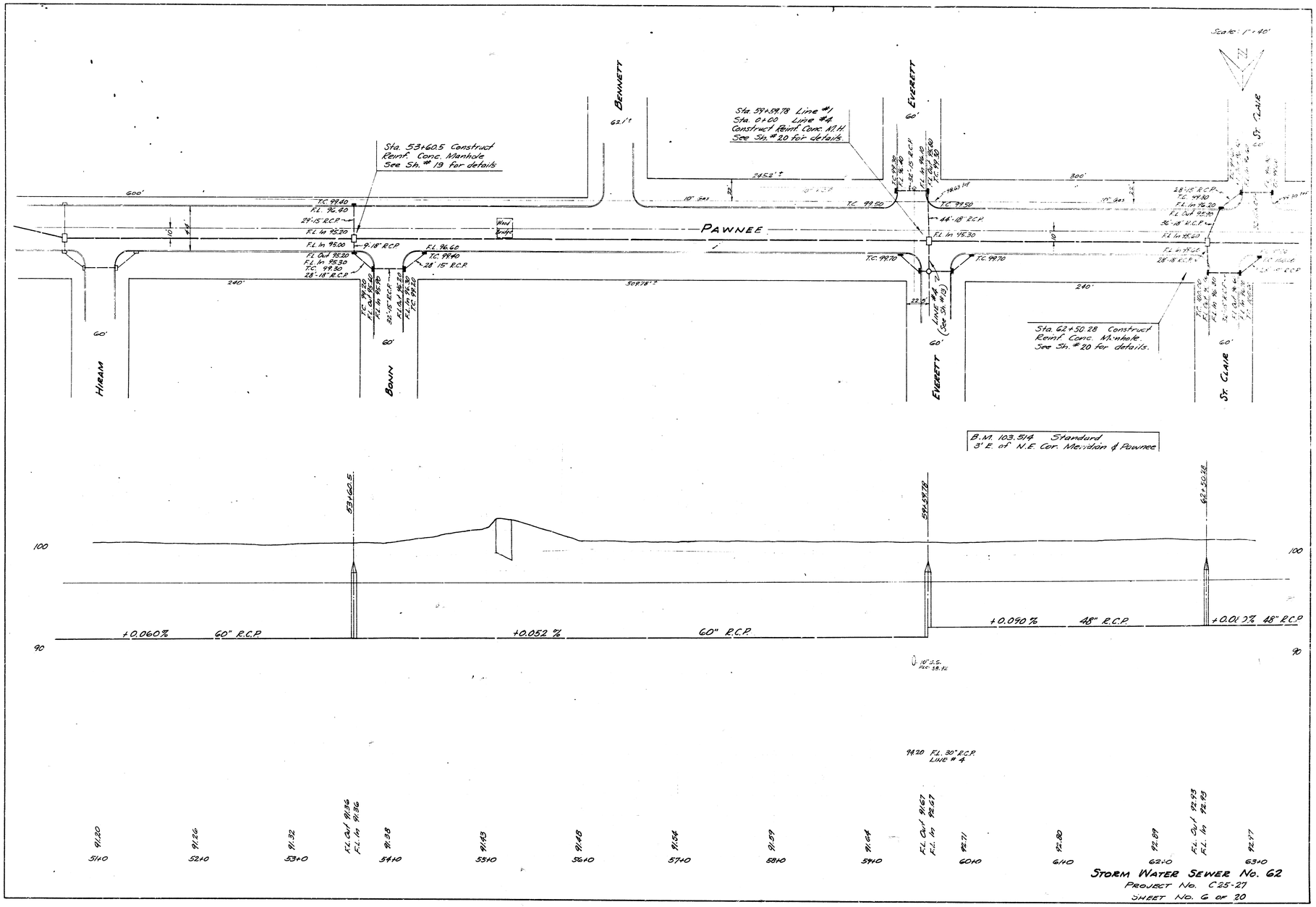


Scale: 1"=40'
N
PAWNEE
SENECA
B.M. 103.447 City Standard
6'W. & 2'N. of N.E. Cor. Pawnee & Seneca
Note to Field Engr.: Take ties to all irons & stones which may be disturbed & replace same.
Measure & record all items removed on job.
+0.070 %
72" R.C.P.
100
90
80
87.25
87.32
87.39
87.46
87.53
87.60
87.67
87.74
87.81
87.88
87.95
88.02
88.09
14+0
15+0
16+0
17+0
18+0
19+0
20+0
21+0
22+0
23+0
24+0
25+0
26+0
Storm Water Sewer No. 62
Project No. C25-27
Sheet No. 3 of 20


Scale: 1"=40'
MARTINSON
ELIZABETH
FERN
MILLWOOD
PAWNEE
Curve Data:
L= 60'
Δ = 3°57'30"
R = 868.5'
T = 30.02'
P.C.
P.T.
P.I.
Sta. 27+00
Sta. 29+88.97 Line #1
Sta. 0+00 Line #2
Construct Reinf. Conc. M.H.
See Sh. #18 for details.
S.W.L. Haycraft Acres
(extended from the north)
Line #2
B.M. 103.447 City Standard
6'W. & 2'N. of N.E. Cor. Pawnee & Seneca
B.M. 101.942 Standard
6'W. & 2'S. of S.E. Cor. Pawnee & Glenn
29+88.97
+0.070 % 72" R.C.P.
+0.090 % 60" R.C.P.
12" San. Sewer
F.L. In 91.87
30" R.C.P.
Line #2
F.L. OUT 88.37
F.L. IN 89.37
26+0
27+0
28+0
29+0
30+0
31+0
32+0
33+0
34+0
35+0
36+0
37+0
38+0
39+0
100
90
80
STORM WATER SEWER No. 62
PROJECT No. C25-27
SHEET No. 4 of 20



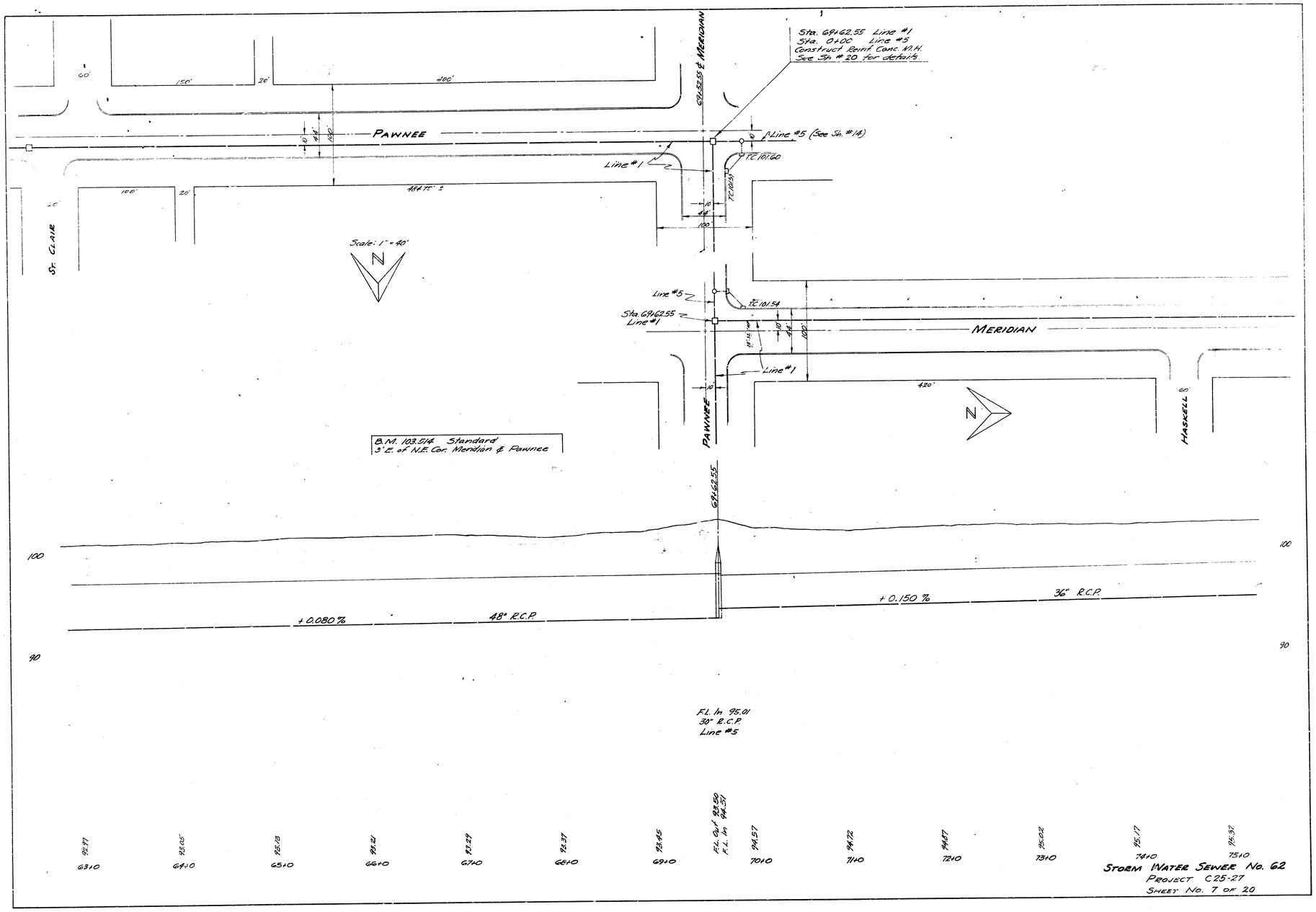
Scale: 1" = 40'
N
GLENN
ORIENTA
PAWNEE
VINE
GLENN
EUCLID
HIRAM
Sta. 47+58.37 Construct
Reint. Conc. Manhole
See Sh. #19 for Details.
Sta. 49+65.62 Line #1
Sta. 0+00 Line #3
Construct Reinf. Conc. M.H.
See Sh. #19 for details.
F.L. Out 96.30
F.L. In 94.80
F.L. In 94.50
T.C. 99.30
9'-15" R.C.P.
29'-18" R.C.P.
F.L. Out 94.90
F.L. In 95.00
T.C. 99.30
28'-18" R.C.P.
F.L. 96.30
T.C. 99.30
28'-15" R.C.P.
F.L. 96.40
28'-15" R.C.P.
F.L. In 95.00
F.L. In 94.80
F.L. Out 95.00
F.L. In 95.10
T.C. 99.30
28'-18" R.C.P.
9'-18" R.C.P.
240'
240'
134'
145'
60'
B.M. 101.542 Standard
6' W. & 2' S. of S.E. Cor. Pawnee & Glenn
47+58.37
49+65.62
50+60.5
+0.090% 60" R.C.P.
+0.078% 60" R.C.P.
+0.064% 60" R.C.P.
+0.060% 60" R.C.P.
F.L. In 91.12
Line #3
24" R.C.P.
100
90
80
90.19
90.28
90.37
90.46
90.55
90.64
90.73
90.82
90.91
F.L. Out 90.96
F.L. In 90.96
90.99
91.07
F.L. O. 91.12
F.L. In 91.12
91.14
F.L. Out 91.18
F.L. In 91.18
91.20
39+0
40+0
41+0
42+0
43+0
44+0
45+0
46+0
47+0
48+0
49+0
50+0
51+0
Storm Water Sewer No. 62
Project No. C25-27
Sheet No. 5 of 20



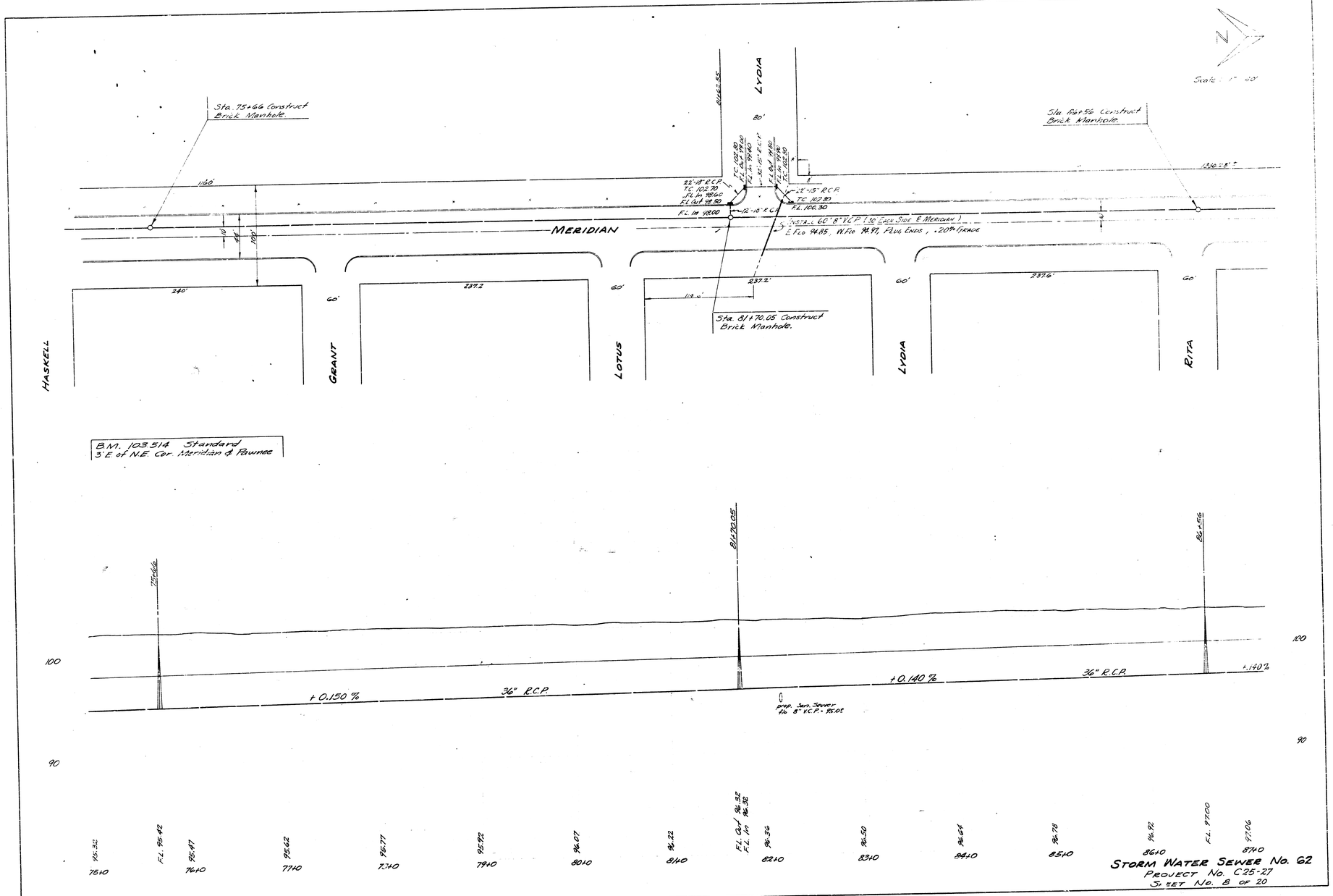
STORM WATER SEWER No. G2

PROJECT No. C25-27

SHEET No. 6 OF 20



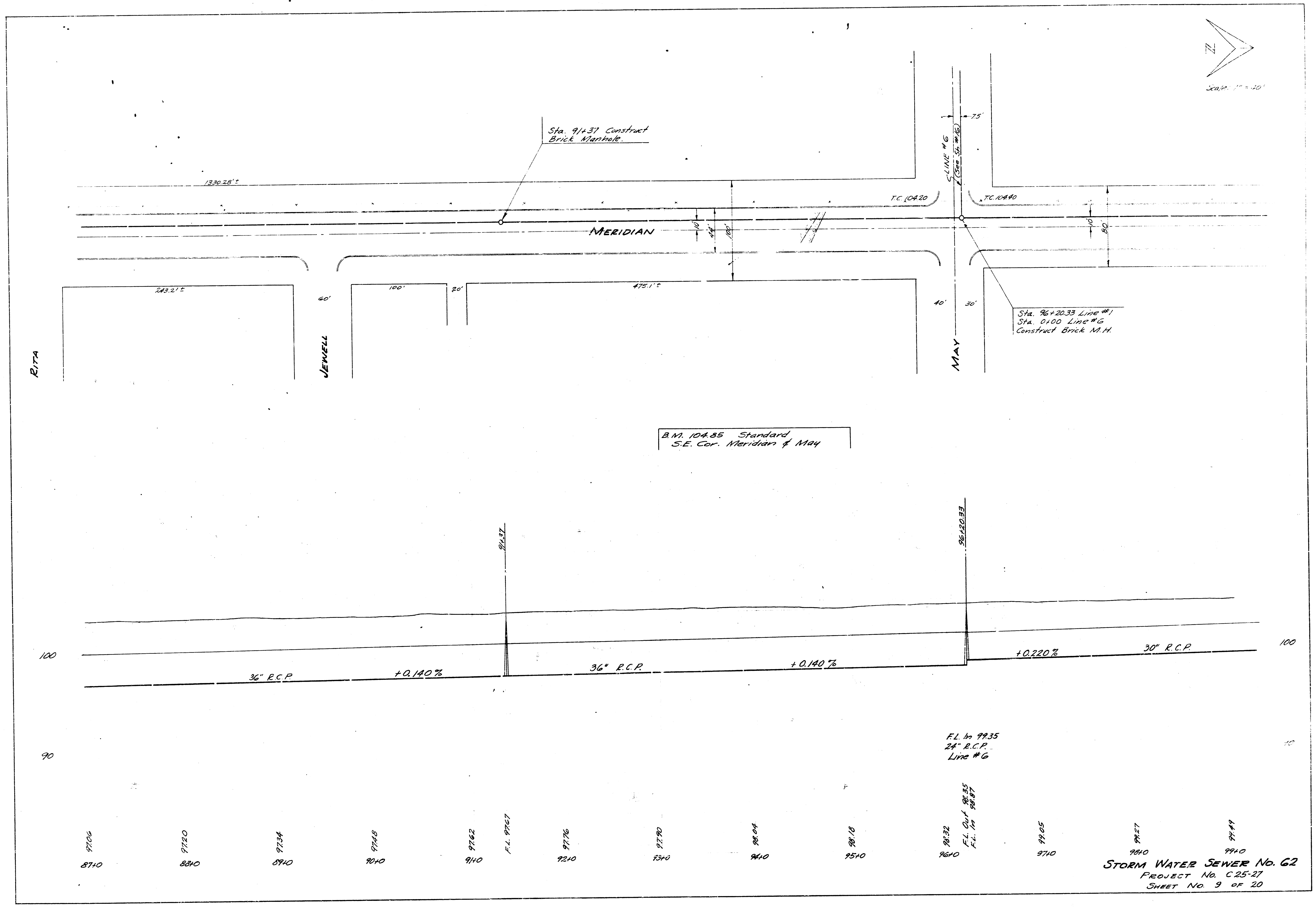
STORM WATER SEWER No. 62
PROJECT C25-27
SHEET NO. 7 OF 20



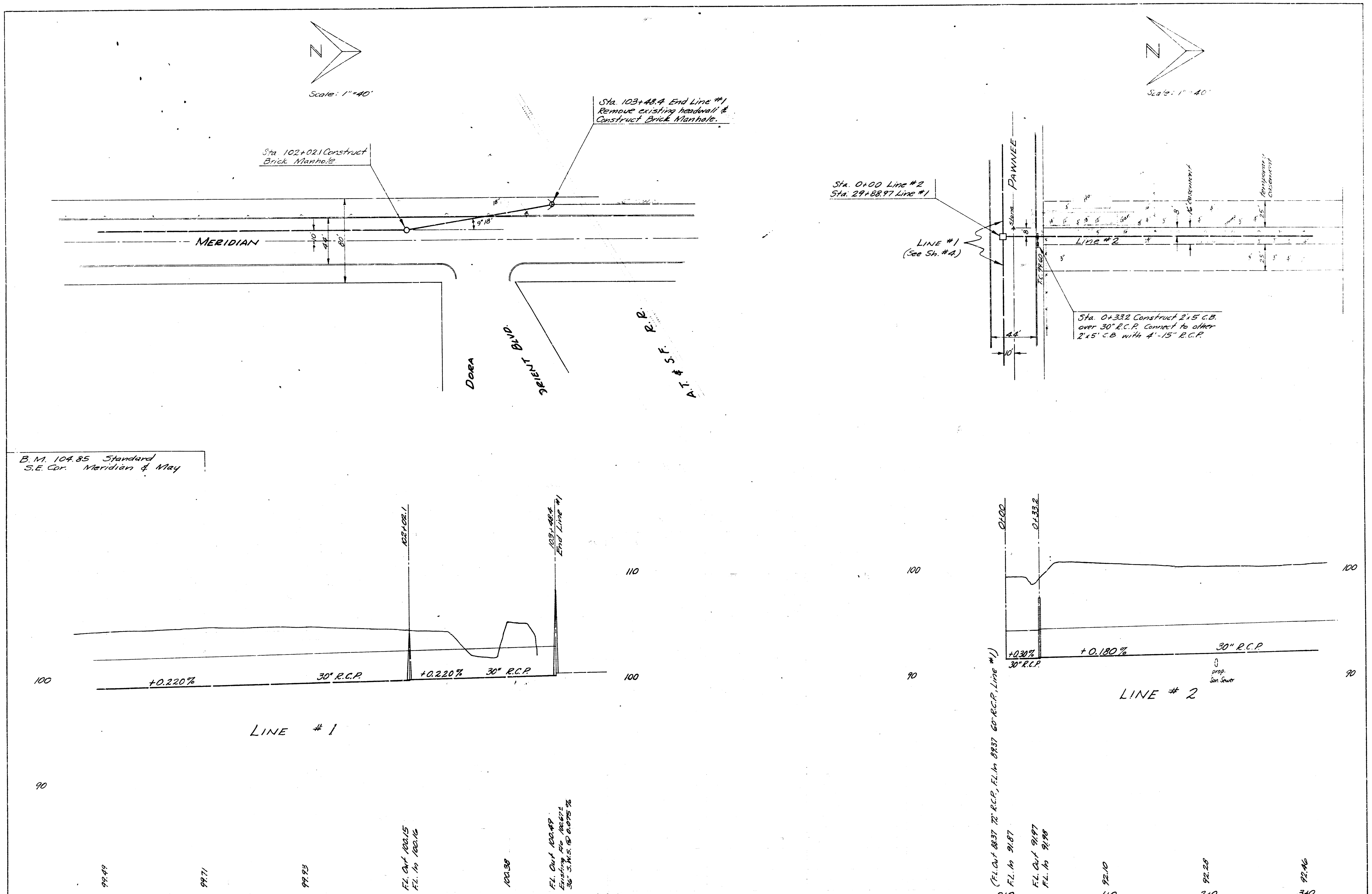
STORM WATER SEWER No. 62

PROJECT No. C25-27

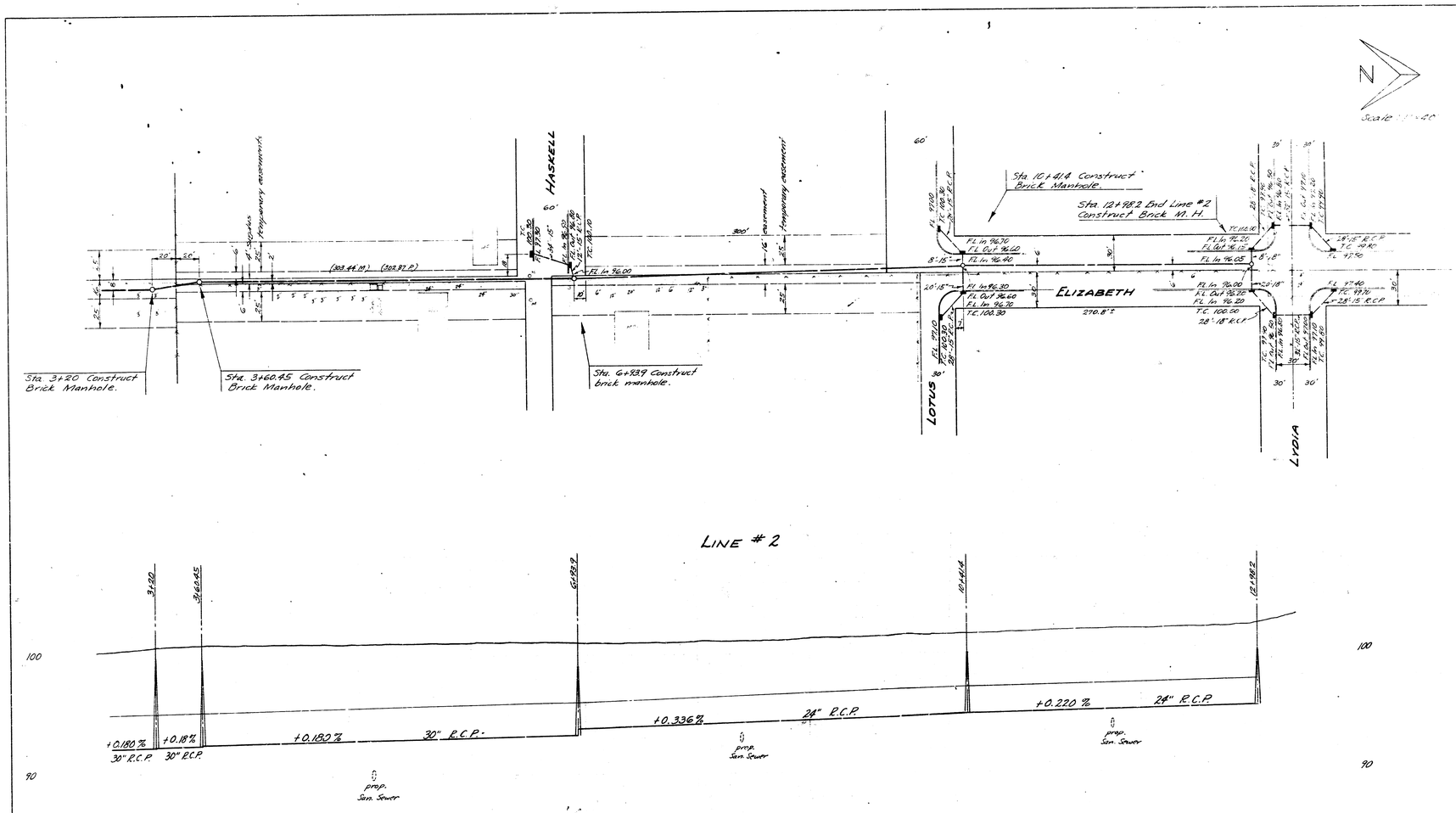
SHEET No. 8 OF 20


Sta. 91+37 Construct Brick Manhole.
1330.28'±
T.C. 104.20
T.C. 104.40
LINE #6 (See Sh. #6)
7.5'
MERIDIAN
243.2'±
60'
100'
20'
475.1'±
40'
30'
Sta. 96+20.33 Line #1
Sta. 0+00 Line #6
Construct Brick M.H.
RITA
JEWELL
MAY
B.M. 104.85 Standard
S.E. Cor. Meridian & May
91+37
96+20.33
100
90
36" R.C.P.
+0.140%
36" R.C.P.
+0.140%
+0.220%
30" R.C.P.
F.L. In 99.35
24" R.C.P.
Line #6
97.04
97.20
97.34
97.48
97.62
F.L. 97.67
97.76
97.90
98.04
98.18
98.32
F.L. Out 98.35
F.L. In 98.87
99.05
99.27
99.49
87+0
88+0
89+0
90+0
91+0
92+0
93+0
94+0
95+0
96+0
97+0
98+0
99+0

Storm Water Sewer No. 62
Project No. C25-27
Sheet No. 9 of 20


Scale: 1" = 40'
Sta. 103+48.4 End Line #1
Remove existing headwall &
Construct Brick Manhole.
Sta. 102+02.1 Construct
Brick Manhole
MERIDIAN
DORA
ORIENT BLVD
A.T. & S.F. R.R.
Sta. 0+00 Line #2
Sta. 29+88.97 Line #1
LINE #1
(See Sh. #4)
PAWNEE
Line #2
Sta. 0+33.2 Construct 2'x5' C.B.
over 30" R.C.P. Connect to other
2'x5' C.B. with 4'-15" R.C.P.
B.M. 104.85 Standard
S.E. Cor. Meridian & May
+0.220%
30" R.C.P.
LINE #1
+0.180%
LINE # 2
99+0
100+0
101+0
102+0
103+0
104+0
0+0
1+0
2+0
3+0

STORM WATER SEWER No. 62
PROJECT No. C25-27
SHEET No. 10 of 20



STORM WATER SEWER No. 62

PROJECT No. C25-27

SHEET No. 11 OF 20

Scale : 1" = 40'

N

Sta. 4916562 Line #1
Sta. 0+00 Line #3

Line #1
(See Sh. #5)

Line #3

ORIENTA BLVD.

PAWNEE

ATLANTA

MAXWELL

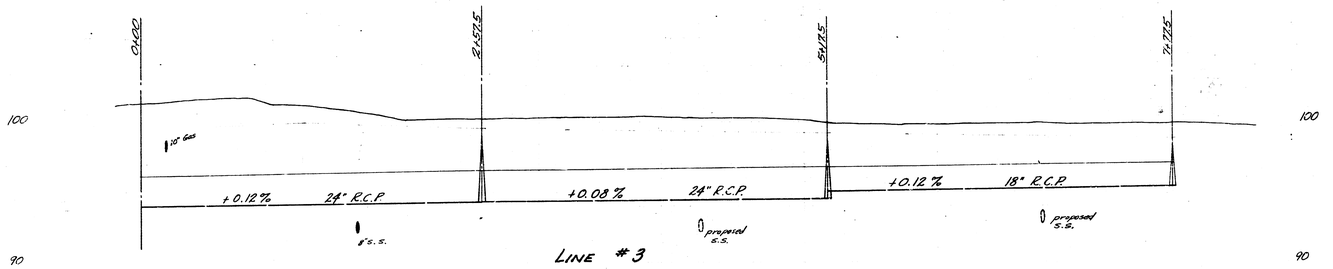
SAVANNAH

Sta. 2+57.5 Line #3
Construct Brick M.H.

Sta. 5+17.5 Const ict
Brick Manhole.

Sta. 7+77.5 Construct
Brick Manhole.

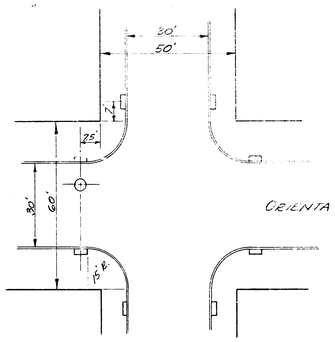
B.M. 101.942 Standard
6'W. & 2' S. of S.E. Cor. Pawnee & Glenn



LINE #3

(78.12 Fl. Out 60° R.C.P., 81.12 Fl. In Line #1)
Fl. In 94.12

0+0	1+0	2+0	3+0	4+0	5+0	6+0	7+0	8+0
	94.24	94.36	Fl. Out 94.43 Fl. In 94.53	94.66	94.54	94.62 Fl. Out 94.68 Fl. In 95.14	95.24	95.36	Fl. Out 95.45

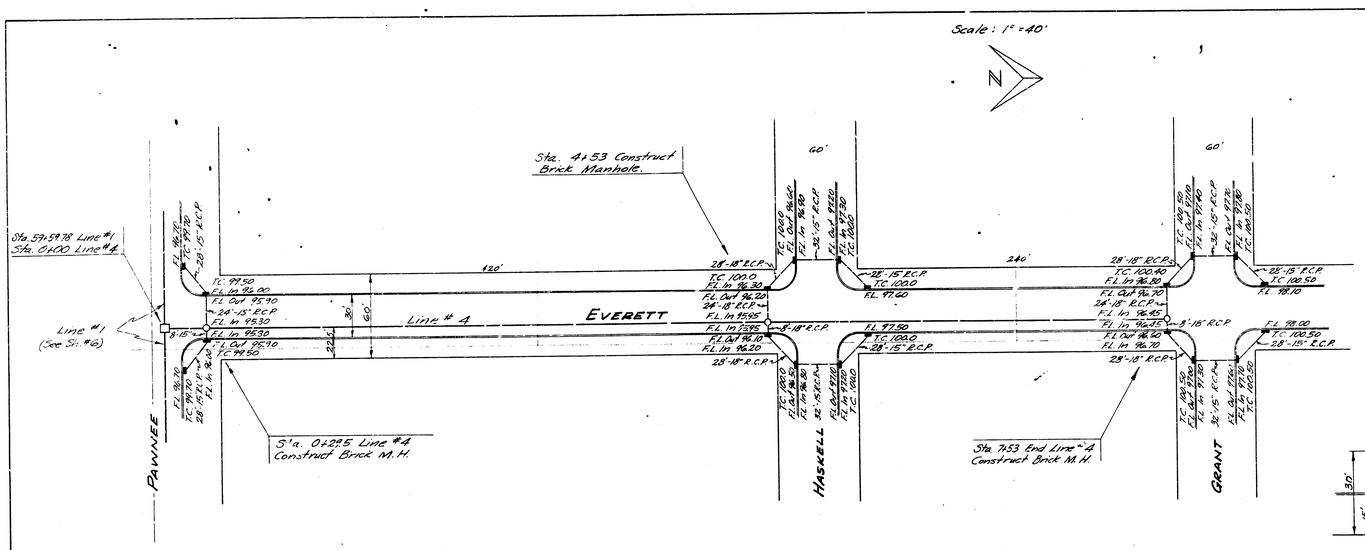


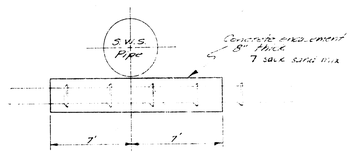
Catch Basin Location

STORM WATER SEWER No. G2
PROJECT No. C25-27
SHEET No. 12 OF 20

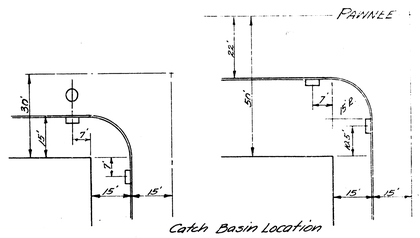
Scale: 1" = 40'

N



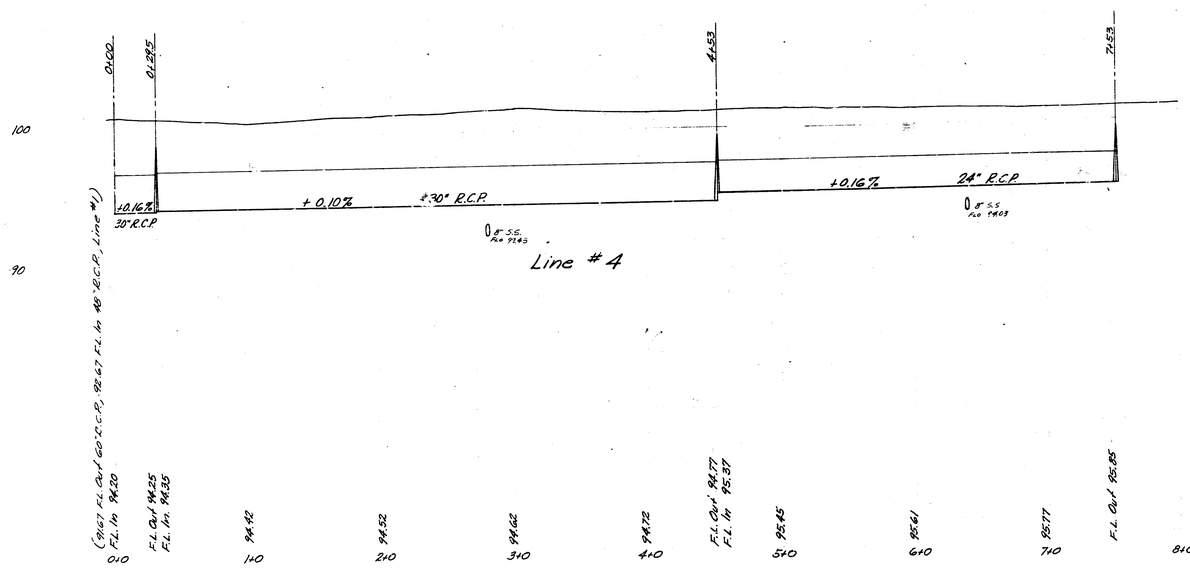


Encasement Detail over Sanitary Sewers



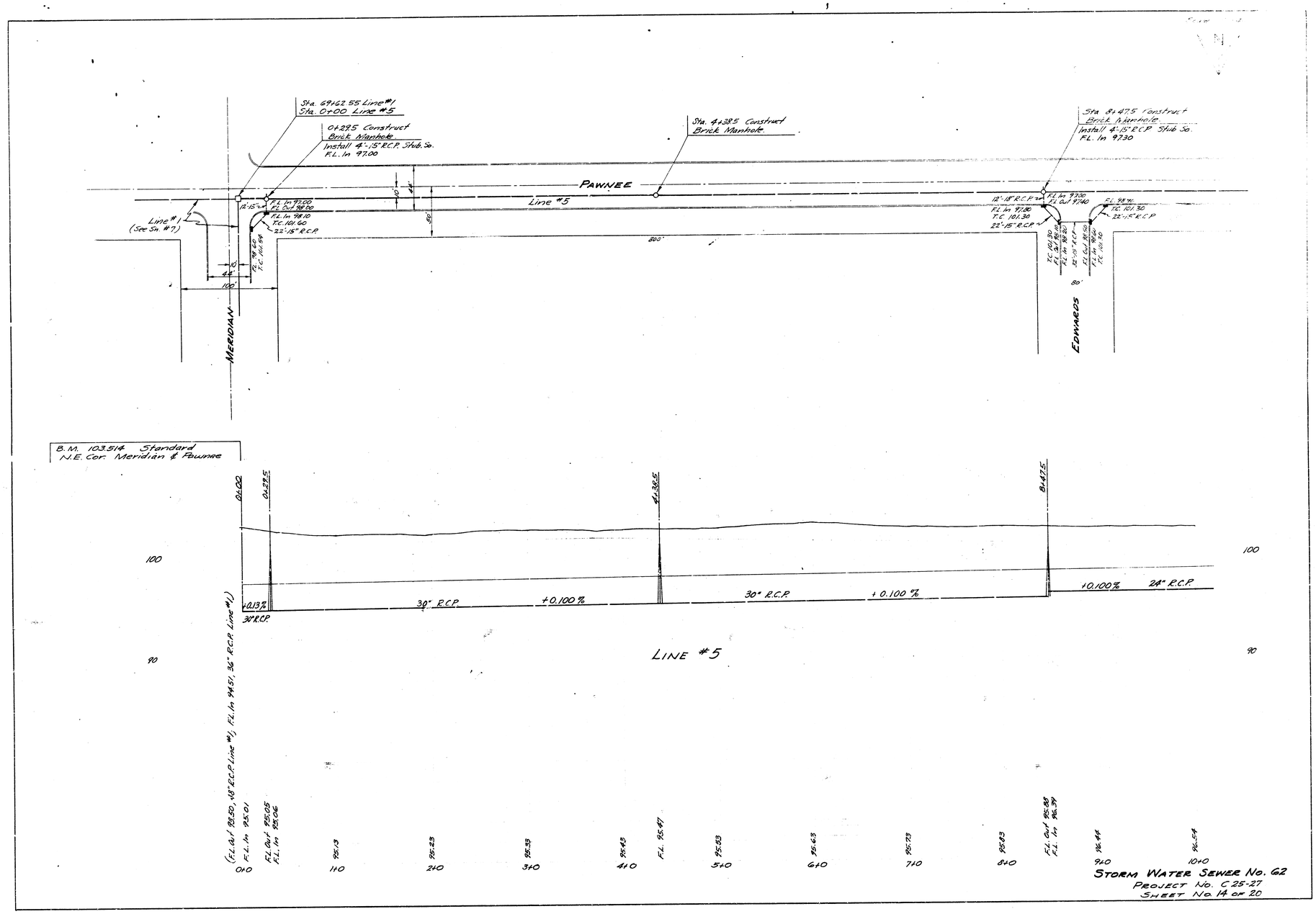
Catch Basin Location

B.M. 103.514 Standard
3' E. of N.E. Cor. Meridian & Pawnee



Line #4

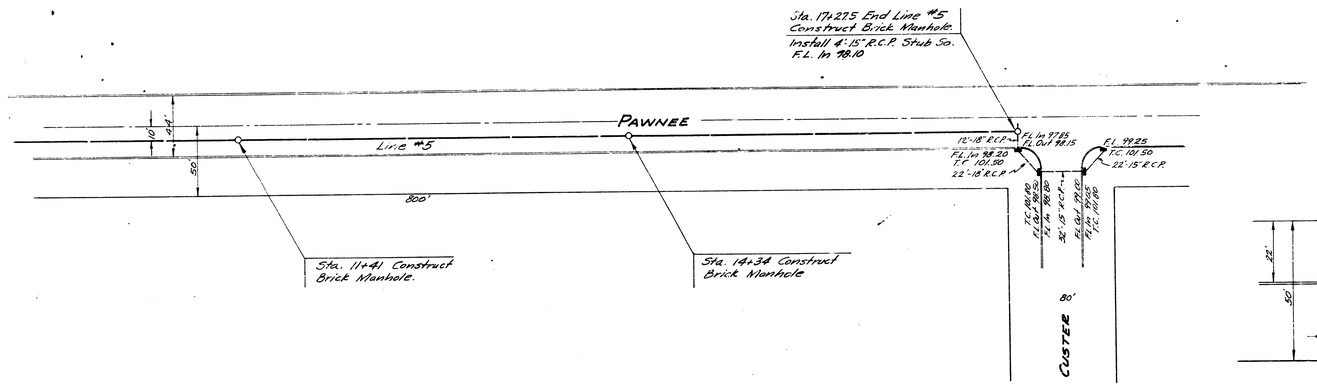
STORM WATER SEWER No. 62
PROJECT No. C25-27
SHEET No. 13 OF 20

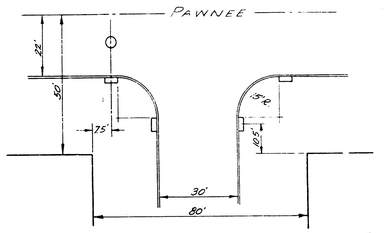


B.M. 103.14 Standard
N.E. Cor. Meridian & Pawnee

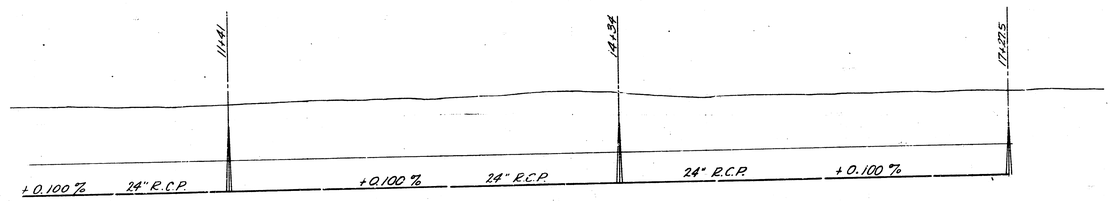
STORM WATER SEWER NO. G2
PROJECT NO. C 25-27
SHEET NO. 14 OF 20

Scale: 1" = 40'





CATCH BASIN LOCATION
Scale: 1" = 20'

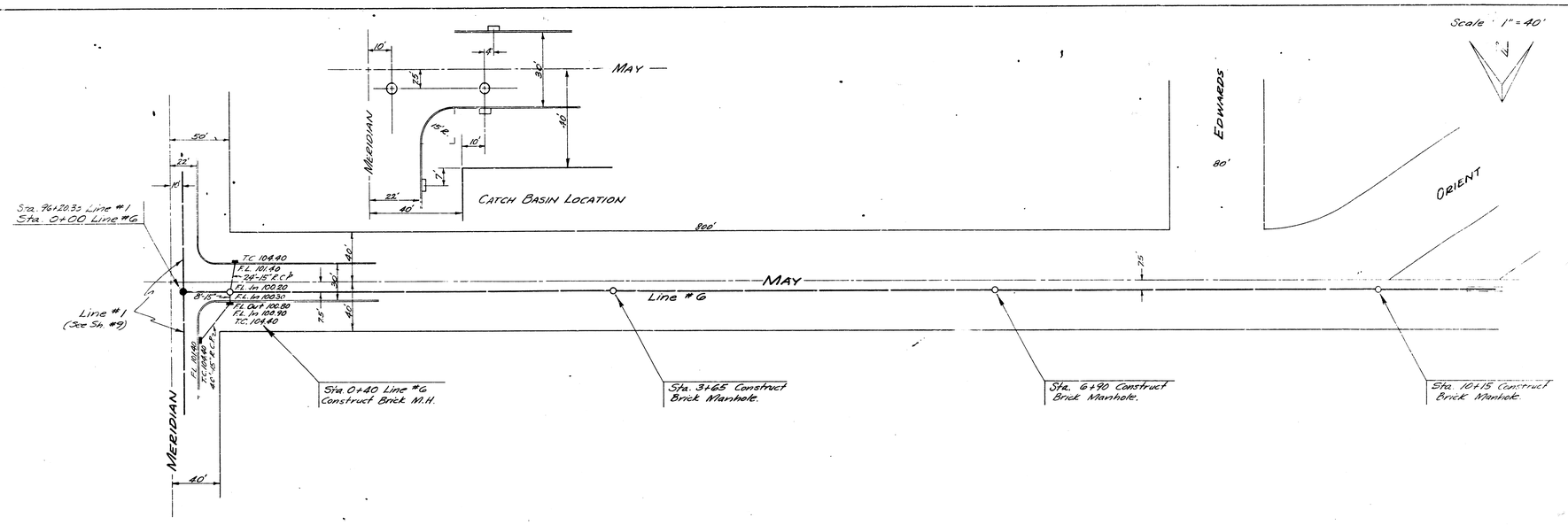


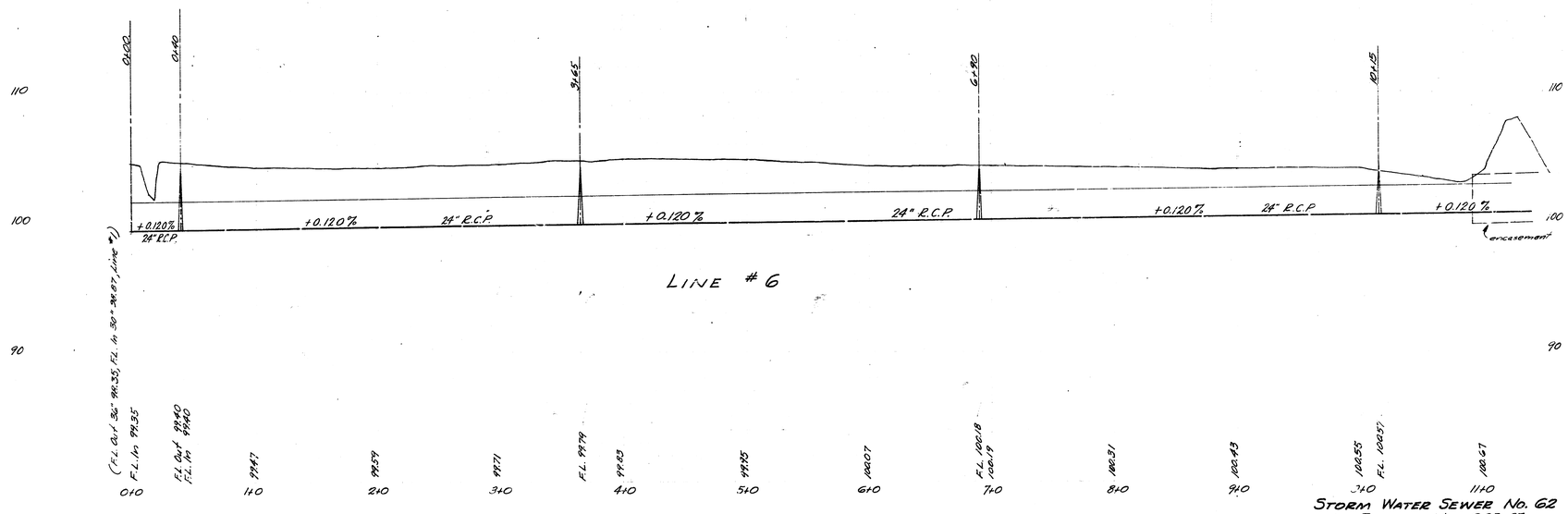
LINE # 5

	10+0	11+0	12+0	13+0	14+0	15+0	16+0	17+0	18+0
	96.54	96.64	F.L. 96.68	96.74	96.84	F.L. 96.97	97.04	97.14	97.24 F.L. Out 97.27

STORM WATER SEWER NO. 62
PROJECT NO. C25-27
SHEET NO. 15 OF 20

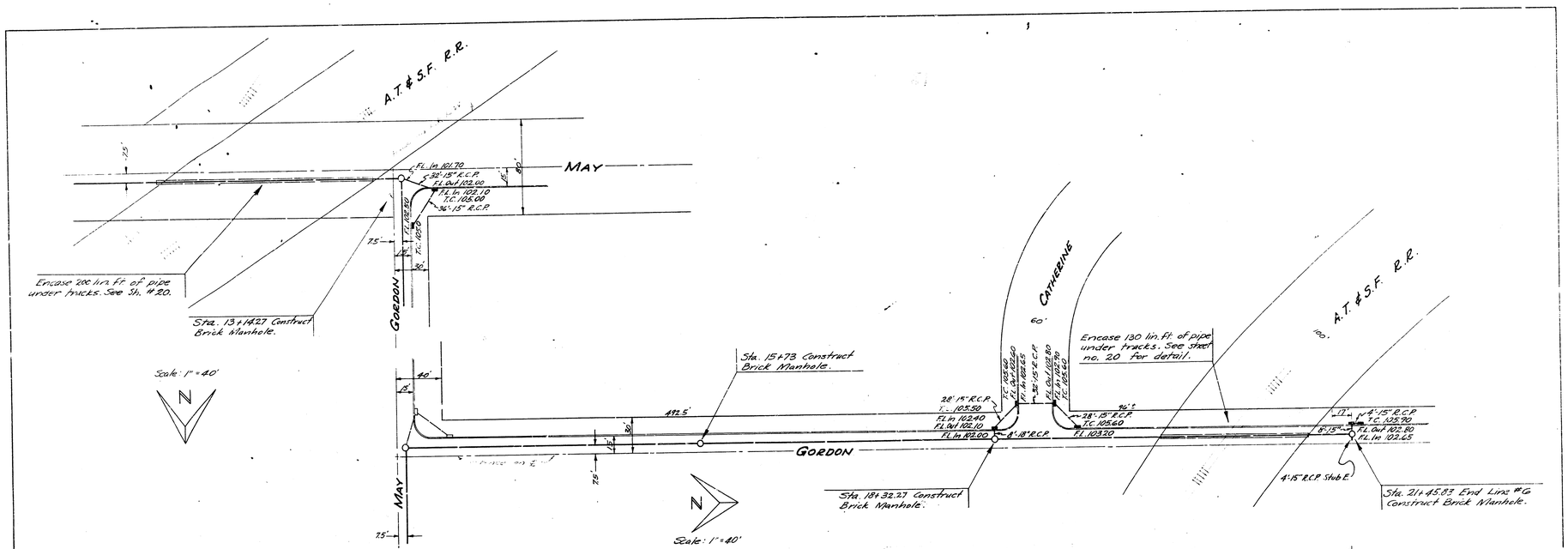
Scale 1" = 40'





LINE #6

STORM WATER SEWER No. 62
PROJECT No. C.25-27
SHEET No. 16 OF 20

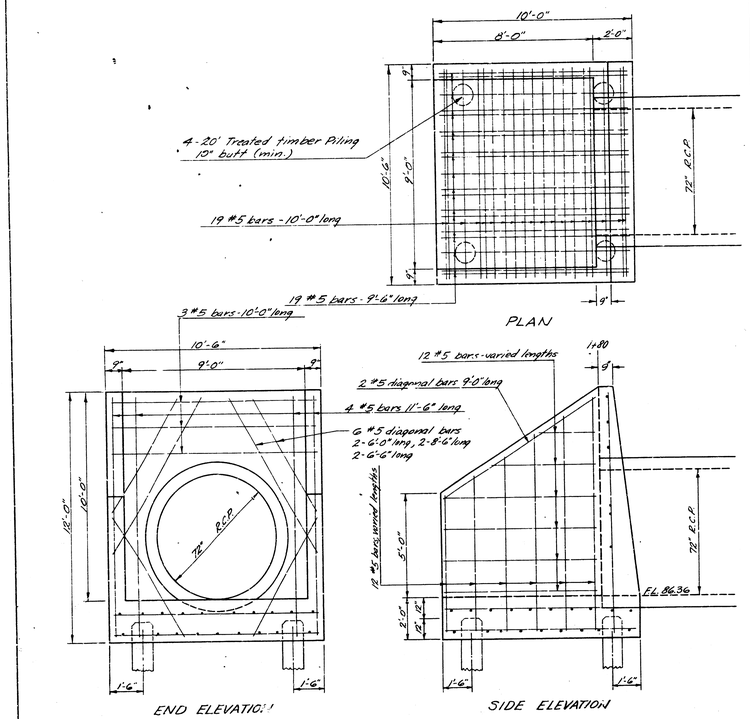


11+0	12+0	13+0	14+0	15+0	16+0	17+0	18+0	19+0	20+0	21+0	22+0
102.67	102.79	102.91 Fl. Out 102.93 Fl. In 102.83	101.02	101.12	Fl. 101.19	101.22	101.32	101.42 Fl. Out 101.45 Fl. In 101.35	102.05	102.19	102.33 Fl. Out 102.39

STORM WATER SEWER NO. 62

PROJECT NO. C25-27

SHEET NO. 17 OF 20



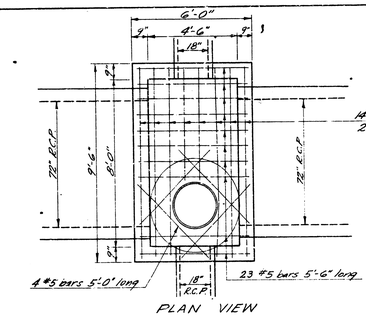
REINF. CONC. OUTFALL STRUCTURE - STA. 1+80

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.

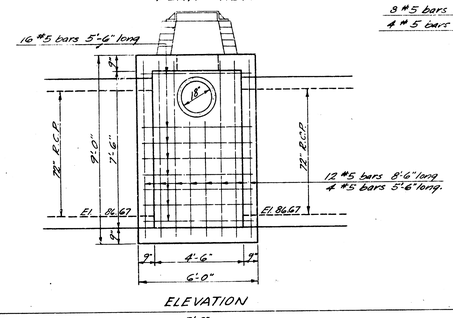
IN GENERAL : Pipe will enter and leave the manholes at various angles and elevations. Where possible bend reinforcing bars around pipes (18" dia. or less). Where pipes are large use diagonal bars as shown.

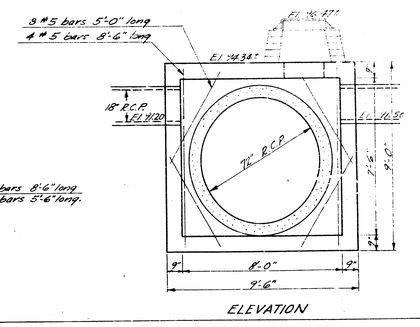
The floor of the manhole is to be shaped for flow and drainage. No deduction in concrete quantities shall be made for pipe openings. No addition in concrete quantities shall be made for shaping manhole floor. An internal vibrator shall be used for placing concrete.

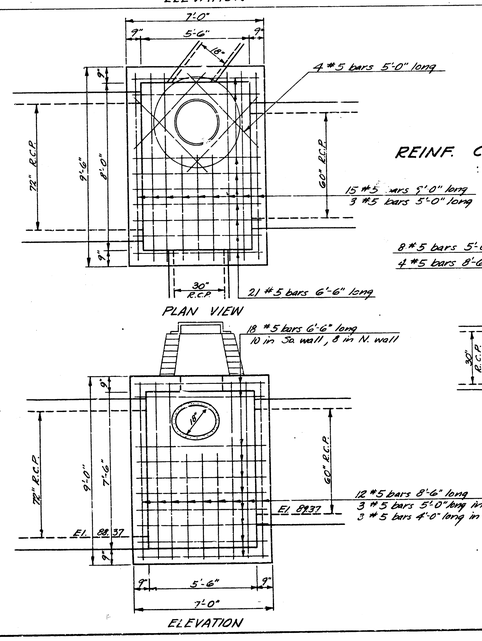


REINF. CONC. MANHOLE - STA. 5+66.5

Scale : 3/8" = 1'-0"

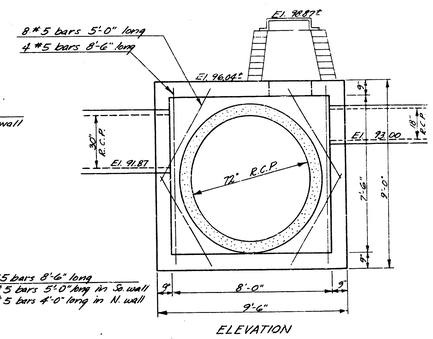




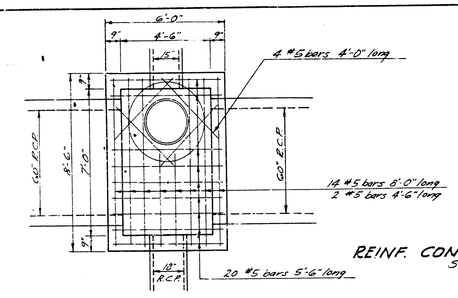


REINF. CONC. MANHOLE - STA. 29+88.97

Scale : 3/8" = 1'-0"



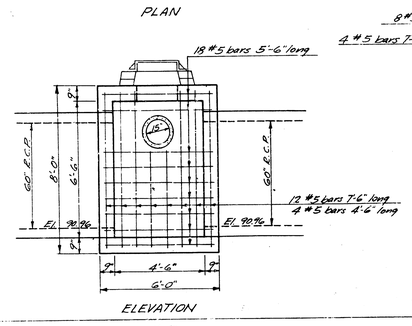
STORM WATER SEWER No. 62
PROJECT No. C25-27
SHEET No. 18 OF 20



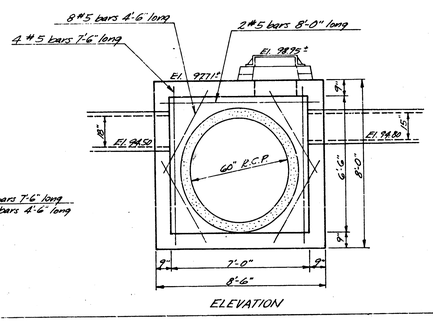
PLAN

REINF. CONC. MANHOLE - STA. 47+58.37

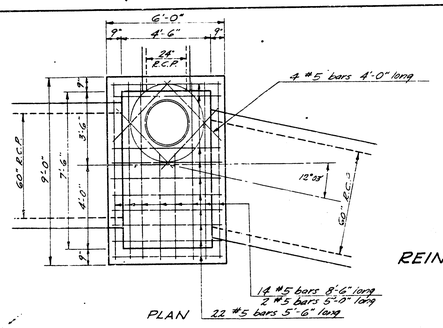
Scale : 3/8" = 1'-0"



ELEVATION



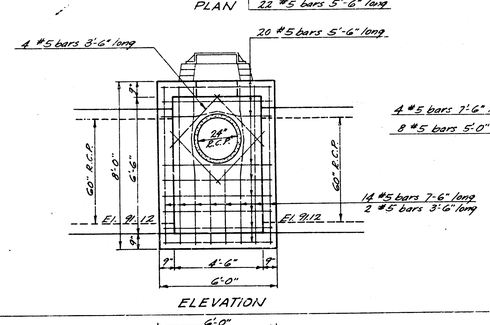
ELEVATION



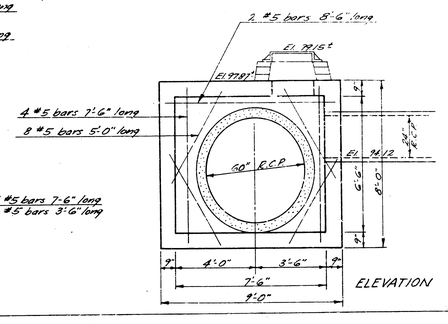
PLAN

REINF. CONC. MANHOLE - STA. 49+65.62

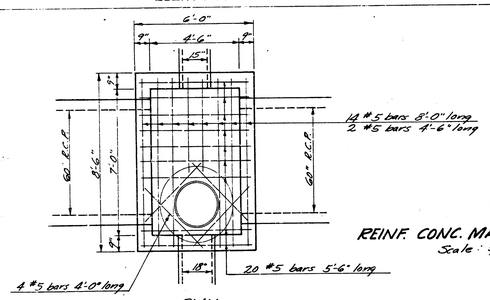
Scale : 3/8" = 1'-0"



ELEVATION



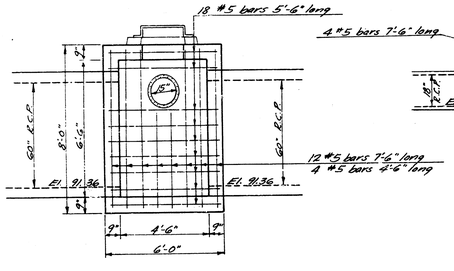
ELEVATION



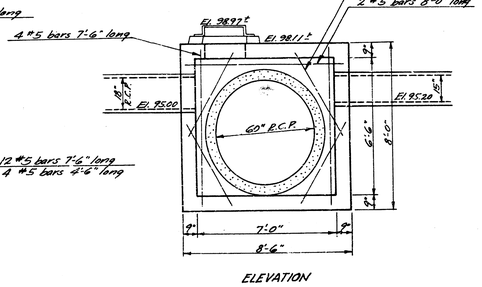
PLAN

REINF. CONC. MANHOLE - STA. 53+60.5

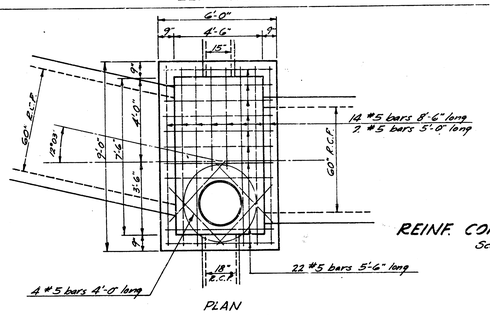
Scale : 3/8" = 1'-0"



ELEVATION



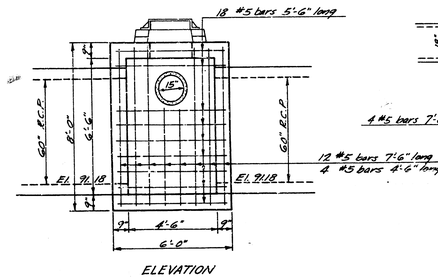
ELEVATION



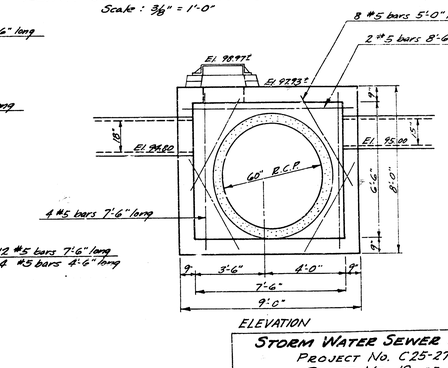
PLAN

REINF. CONC. MANHOLE - STA. 50+60.5

Scale : 3/8" = 1'-0"

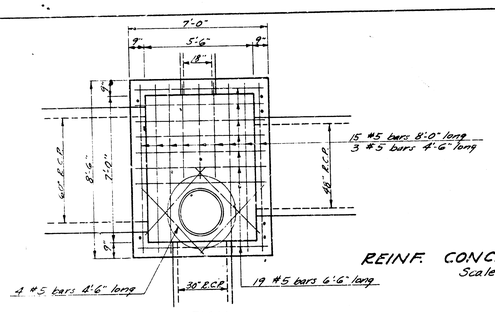


ELEVATION



ELEVATION

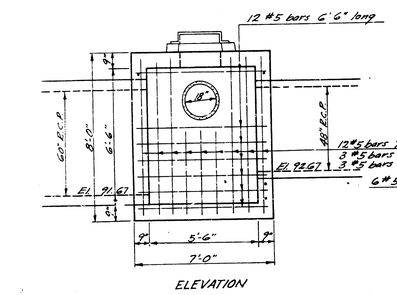
STORM WATER SEWER NO. 62
PROJECT NO. C25-27
SHEET NO. 19 OF 20



PLAN

REINF. CONC. MANHOLE- STA. 59+59.78

Scale: 3/8" = 1'-0"



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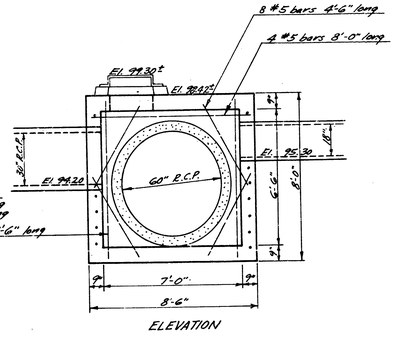

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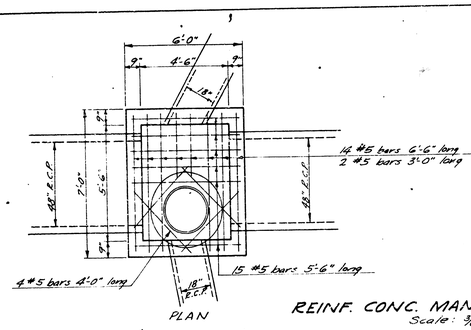
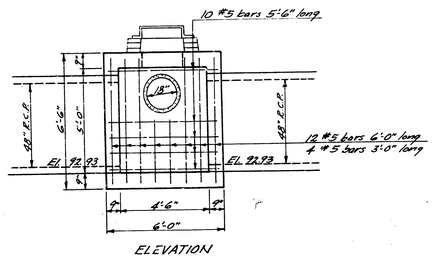


PLAN

REINF. CONC. MANHOLE - STA. 62+50.28

Scale: 3/8" = 1'-0"



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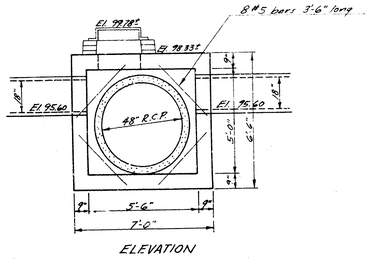
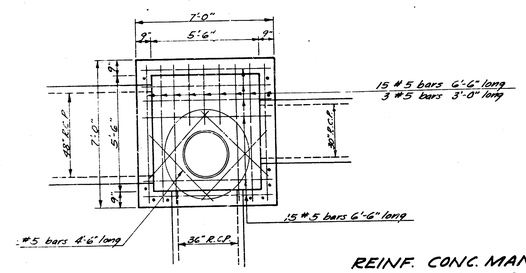


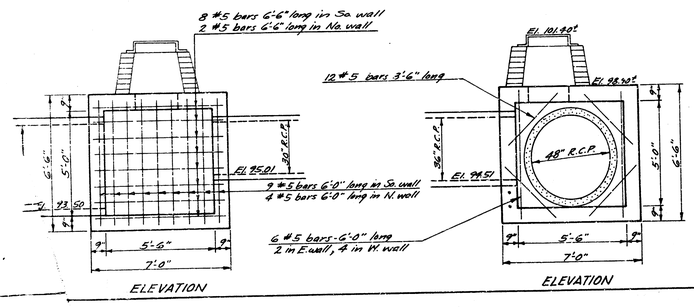
ELEVATION



PLAN

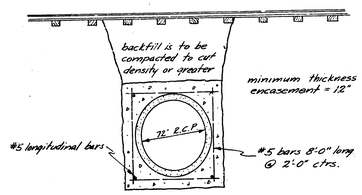
REINF. CONC. MANHOLE - STA. 69+62.55

Scale: 3/8" = 1'-0"

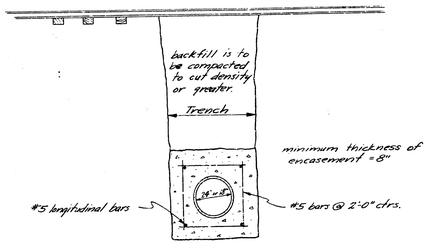


ELEVATION

ELEVATION



TYPICAL SECTION
REINF. CONC. ENCASEMENT
UNDER MIDLAND VALLEY R.R.
STA. 3+40 - LINE No. 1



TYPICAL SECTION
REINF. CONC. ENCASEMENT
UNDER A.T. & S.F. R.R. @
STA. 11+90 and Sta. 20+45-LINE No. 6

Pipe is to be installed by open ditch method with tracks removed during hours which will not disrupt train traffic. The contractor shall give proper notice to the R.R. to provide flagmen, etc, while the crossing is being made. The expense of removing and replacing tracks and all other charges made by the R.R. will be paid by the contractor. R.R. charges, cost of encasement and reinf. steel, and all other extra cost of crossing shall be included in the lump sum bid of reinf. conc. R.R. crossing'.

6 sack paving mix is to be used for encasement concrete.

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PROJECT No. C25-27
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