B. M. 120.56 "G" in Globe S. of Radius S. E. 21st & Cleveland.

Sta. 0+00.0 Existg. M.H.

Surveyed by J.V. Bk No. 250-V
Checked by

PENNSYLVANIA AVE.

Existg 54" S.S.

Existg 8" S.S.

DITCH DRAINAGE

MATHEWSON AVE.

CLEVELAND AVE.

TWENTY-FIRST ST.

Existg 8" water line.

Existg 20" water line.

Existg 8" C.I.P water line.

Plan Scale 1" = 40'
Prof. Scale 1" = 40' Horz.
1" = 4 Vert.

NOTE TO CONTRACTOR:
Use extreme caution during construction over existg 20" water main.

Sta. 0+00.0
Const. Reinf. Conc. M.H. over existg 54" San. Sewer.
Beg. 8" Reinf. Conc. encasement.
See Sheet No. 2 For M.H. Details.

Sta. 1+40.0 Const. Std. M.H. Type "B" Beg. Siphon End 8" Reinf. Conc. Encasement.

See Siphon detail on Sheet No. 2.

Sta. 3+10.0 Const. Std. M.H. Type "B" End Syphon.

Sta. 5+50.0 Const. Std. M.H. Type "A"

Sta. 7+85.0 Const. Std. M.H. Type "A"

Sta. 8+68.4 to Sta. 8+83.0 Const. H. C. patch.

Sta. 8+83.0 to Sta. 9+26.6 Replace Conc. pavement.

Sta. 9+28.0 Remove existg M.H. Const. Std. M.H. Type "A" Intercept existg Pipes North, East and West. Plug pipe South.

Plug pipes.

Proposed 18" S.W.S.

12" gas Line

Existg 8" Pvt.

Existg 8" C.I.P.

Existg 8" water line.

Sta. 0+00.0 Const. Reinf. Conc. M.H. over existg 54" S.S. Flo 109.10

Natural ground

Sand fill or flush

15" V.C.P. @ 0.35 %

140 lin. ft. of Sand fill or flushing.

140 lin. ft. of 8" Reinf. Conc. Encasement.

140 lin. ft. of 15" V.C.P at 0.35 % grade.

Sta. 1+40.0 Const. Std. M.H. Type "B" Beg. Syphon.

Top M.H. 123.80

Proposed Flo line 108.00

Existg Channel

170 lin. ft. of Syphon. See Sheet No. 2 for Details.

Sta. 3+10.0 Const. Std. M.H. Type "B" End Syphon

Top M.H. 121.00

Natural ground

Sta. 5+50.0 Const. Std. M.H. Type "A"

Top M.H. 120.10

8" water line

15" V.C.P @ 0.30 %

618 lin. ft. of 15" V.C.P @ 0.30 % grade.
80 lin. ft. of Sand fill or flushing.

Sta. 7+85.0 Const. Std. M.H. Type "A"

Top M.H. 123.10

8" water line.

Sta. 8+00.0

Sand fill or flush.

80 lin. ft. of Sand fill or flushing

10" 0.08 %

S. Rim Existg M.H. 121.16

Flo Existg M.H. 117.61

20" Water line

Sta. 9+28.0 Remove existg M.H. Const. Std. M.H. Type "A"

117.28 Flo out 15" Flo in Existg 10"

117.36 Flo out 15" Flo in

116.94 Flo out 15" Flo in

116.90

116.18 Flo

115.68

115.38

114.68

114.58

112.43 Flo out 54" S.S. Flo in 15" V.C.P

112.92 Flo out 15" V.C.P

113.20 Flo in 10" C.I.P.

113.10 Flo in 10" C.I.P.

115.00 Flo out 12" C.I.P.

115.60 Flo out 12" C.I.P.

115.54 Flo in 15" V.C.P.

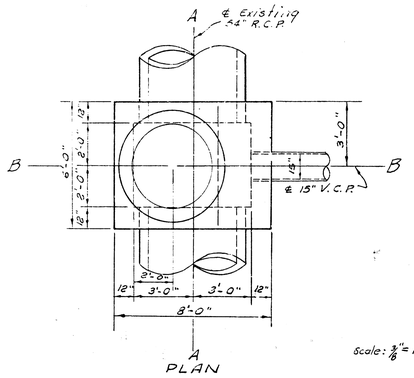
116.76

100.60

100.60

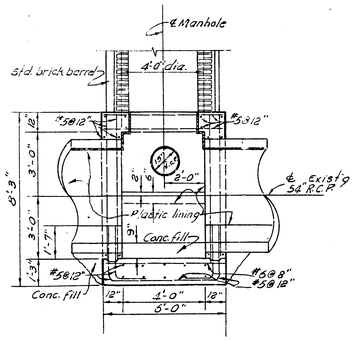
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LAT. 21, S. S. NO. 23
AND
STORM WATER SEWER NO. 81
CITY OF WICHITA, KANSAS
B. E. SMITH CITY ENGINEER
SEPT. 1967 PROJECT NO. C27-20



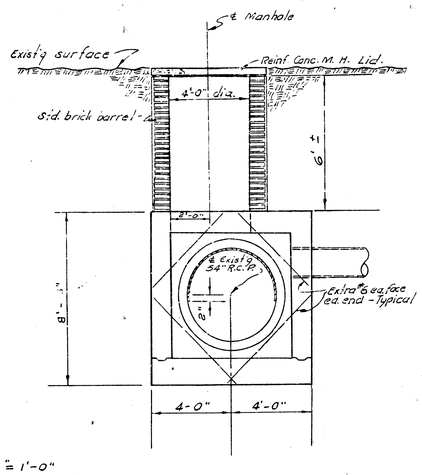
PLAN

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

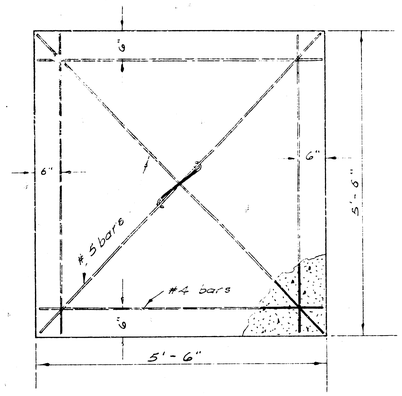


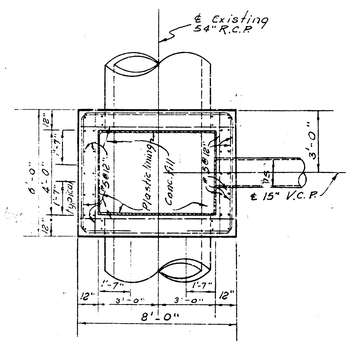
SECTION A-A

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

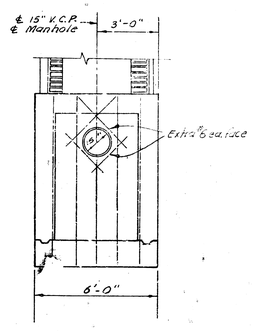


SECTION B-B





SECTIONAL PLAN

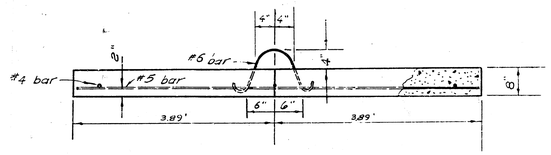


SECTION

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

REINF. CONC. MANHOLE

Std. 0100.0



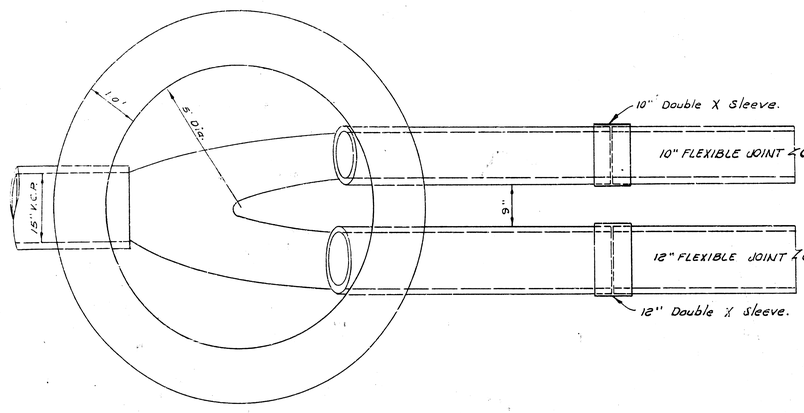
REINF. CONCRETE M. H. LID

Scale 1" = 1'-0"

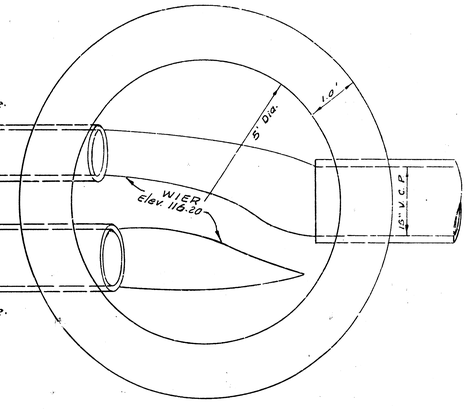
2/4

LAT. 21, S. S. NO. 23
AND
STORM WATER SEWER NO. 81
PROJECT NO. C 27-20

PLAN
M. H. STATION 1+40.0
Type "B"

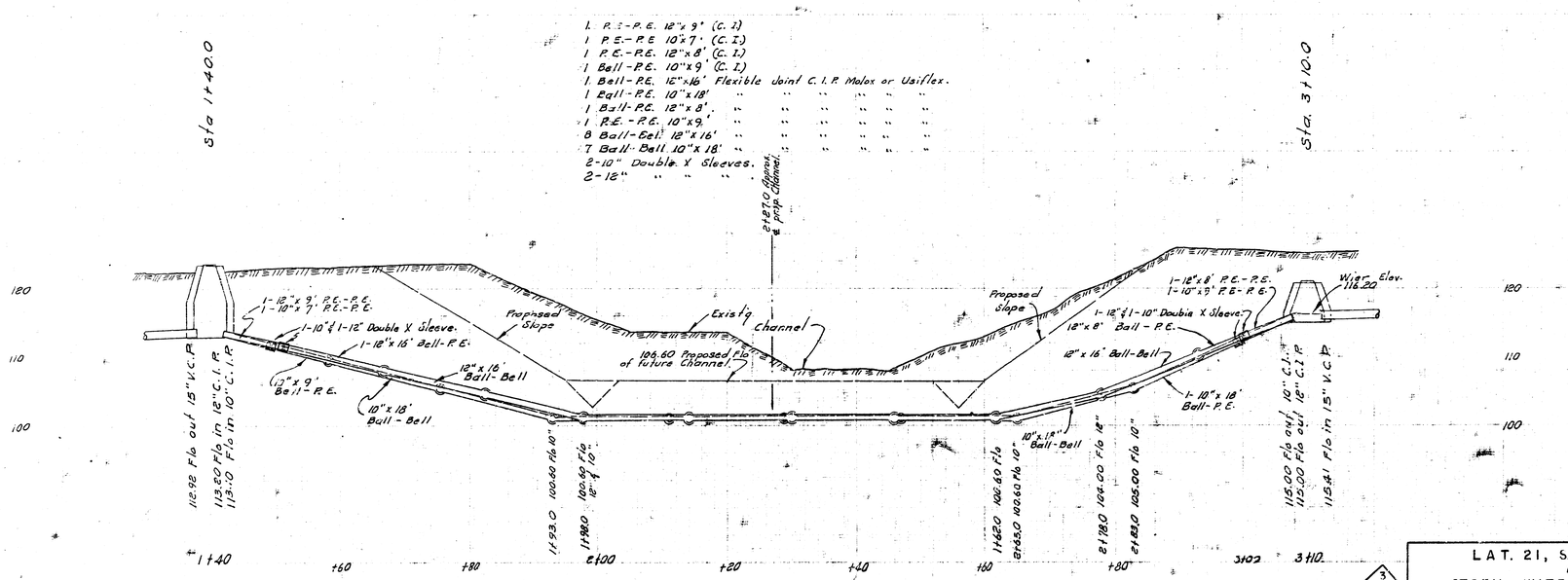


PLAN
M. H. STATION 3+10.0
Type "B"



Plan Scale 1" = 1'
Profile Scale 1" = 8' Horz.
1" = 8' Vert.

1. P.E.-P.E. 12"x 9' (C.I.)
1 P.E.-P.E 10"x 7' (C.I.)
1 P.E.-P.E. 12"x 8' (C.I.)
1 Bell-P.E. 10"x 9' (C.I.)
1 Bell-P.E. 16"x16' Flexible Joint C.I.P. Molox or Usiflex.
1 Bell-P.E. 10"x 18' " " " " " "
1 Bell-P.E. 12"x 8' " " " " " "
1 P.E.-P.E. 10"x 9' " " " " " "
8 Bell-Bell 12"x 16' " " " " " "
7 Bell-Bell 10"x 18' " " " " " "
2-10" Double X Sleeves.
2-12" " " " "



LAT. 21, S. S. NO. 23
AND
STORM WATER SEWER NO. 81
PROJECT NO. C27-20

3/4

P.I. 10+55.0 "D" = 3.0° Tap cb S. end Radius S.C. Dial of Cleveland

Sta 0+65.0 Beg. 18" R.C.P. 2 p Rap Dyk Fill Bbg. 8" R.C. Encasement.

Sta 0+150 End 8" R.C. Encasement.

DRAINAGE DITCH

EXISTING STORM SEWER

HUTCHINSON AVE

Sta 1+95.0 Const. Std. M.H. Type "A"

Sta 3+40.3 to Sta 3+83.3 Reinf. with R.C. patch

Sta 1+45.0 to Sta 2+19.0 Repair with conc. parapet

CLEVELAND AVE.

TWENTY-FIRST ST

NOTE TO CONTRACTOR: use extreme caution during construction over existing 20" water main.

NOTE: 3 main conc. Rip-Rap to be included in bid price of Pipe.

Sta 3+19.5 Const. Std. M.H. Type "A"

Sta 0+30.0 Beg. 18" R.C.P. 2 p Rap - Rap cut/fill

Sta 4+94.9 Const. Std. M.H. Type "A"

Sta 5+29.0 Const. Std. M.H. Type "A"

Natural ground

Sand fill at trench

Broken Conc. Rip-Rap

Proposed Future Channel

10 lin. ft. of 8" Reinf. conc. Encasement.

590 lin. ft. of 18" R.C.P. @ 0.70% grade.
60 lin. ft. of Sand Fill or Thissing.
10 lin. ft. of 8" Reinf. Conc. encasement.
2 Manholes Type "A"

0 1 2 3 4 5

LAT 21, S. S. NO. 23
AND
STORM WATER SEWER NO. 81
PROJECT NO. C27-20

4/4