PROPOSED CIVIC CENTER BLDG.

Sta. 4+67.4 Install 6" wye W.

WATER

Note: Construct Syphon See detail sheet

Sta. 8+35.0 Const. Std. M.H.

Sta. 1+65.4 Const. Std. M.H. over existg pipe Intercept Sewer from West.

Sta. 3+10.5 Const. Std. M.H. Sta. 0+00.0 Line No. 2 W.

Sta. 4+14.0 Install 6" Y east 539.0' S. of St. at Douglas Ave.

LINE NO. 1

Sta. 6+76.0 Const. Std. M.H. over existg 20" S.S.

Existg M.H. Flo 106.49

Sta. 8+58.0 Service connection.

Sta. 8+77.0 Service connection.

Remove existg M.H and 8" pipe. Std. 8+50 to Std. 9+84.2.

Sta. 9+11.5 Service connection.

Sta. 9+24.0 Service connection.

Sta 9+35.0 2-Service connections.

Sta. 9+80.3 Remove existg M.H. Const. new Std. M.H.

Sta. 1+84.4 Const. Std. M.H.

Note: Const. Syphon See detail Sheet

Remove existg M.H. O.H. and pipe sta. 0+29.0 to Sta. 1+57.0. Sta. 0+29.0 Plug pipe SE.

No wye installed

No wye installed

Sta. 6+47.0 Const. Std. M.H.

Sewer line abandoned

PROPOSED LIBRARY

Plugged

ALLEY

Existg M.H. Flo 104.29

Existg M.H. Flo 103.74

Existg M.H. Flo 104.26

Sta. 0+00.0 Const. Std. M.H. over 20" San. Sewer Plug pipe No.

ENGLISH

WILLIAM

16' ALLEY

Existg 8" vcp

Municipal sewer

Filling as required

Building sewer

Wye

SERVICE CONNECTION

B. M. 112.06 N. rim K. G. & E. M. H. on w. side E. S. Water S. S. of Alley.

NOTE

Reconnect live services from Douglas Ave. 3 wyes.

Cost of wyes in bid price of pipe.

Cost of removal existing sewer, manholes and O.H.s in bid price of pipe.

Cost of stubs and plugs in bid price of manholes.

Top of manholes to match existing grade.

Repair alley, streets, and the side walk from William St. to the alley South of Douglas Ave. with 2" of asphaltic concrete.

Demolition contractor to remove sidewalk on west side of Water St. from William St. to English St.

Plan Scale 1"=40'
Profile Scale 1"=40' Hor.
1"=4' Vert.

Plan by U. C. Bk. No. 4-77
Surveyed by U. K.
Checked by

LINE NO. 1

Flush 8" pipe West 109.60

21" V.C.P. @ 0.08%

Flush

Conc. pavement

Conc. Walk

21" V.C.P. @ 0.08%

Line No. 2 Flo in 12" 104.61

Flush

LINE NO. 1

18" V.C.P. @ 0.08%

Conc. walk

Conc. pavmt

Sta. 8+35.0 Const. Std. M.H.

Sta. 9+80.3 Remove existg M.H. Const. new Std. M.H.

Existg 12" V.C.P. 0.10%

16" V.C.P. @ 0.08%

Note: Syphon, see detail sheet

384.2 lin. ft. of flushing

Sand Fill

Sand Fill

133.76 Cafe Flo 104.26 20" S.S. 103.76 Flo in 21" V.C.P.

103.84

Sta. 1+84.4 Const. Std. M.H.

21" V.C.P. out 103.89 20" C.I.P. in 103.89

21" V.C.P. out 103.31 20" C.I.P. in 103.31

102.92

104.00 Flo out 21" 104.01 Flo in 18"

104.26

104.38

104.61

104.59

18" V.C.P. out 104.53 18" C.I.P. in 104.53

18" V.C.P. out 104.80 18" C.I.P. in 104.80

104.82

104.93

104.93

104.92

104.92

104.92

B. M. 112.06 W. Rim K. G. & E. M. H. on walk E.S. Water 52' S. of Alley.

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

NOTE

Sewer at Sta. 3+90.0 to Sta. 4+35.0 shall be installed in open ditch with tracks removed during hours which will not disrupt train traffic. The contractor shall give proper notice to railroad to provide flagman while the crossing is being made. The expense of removing and replacing tracks and all other charges made by the Rail Road will be paid by the contractor. The bid per lin. ft. of encasement shall include cost of encasement, Reinf. steel, R.R. charges and compaction.

Sta. 2+24.4 ~~Sta. 2+35.0~~ Const. Std. M. H. Install 6" Stub N.W.

Sta. 4+35.0 Const. Std. M. H. Install 8" stub N. End Reinf. conc. encasement.

Sta. 3+90.0 beg. 8" Reinf. Conc. encasement.

Sta. 0+00.0 Line No. 2 = Sta. 31+10.5 Line No. 1. Existing M. H. Existing 15" Stub W.

NOTE: These small K. G. & E. underground conduits have been abandoned.

Abandoned 6" water line.

Pavement will be removed by others.

Sta. 5+74.0 ~~Sta. 5+74.0~~ Const. Std. M. H. Install 6" Stub E.

Abandoned 10" Storm Water Sewer.

Pavement will be removed by others.

Abandoned 4" L.P. Gas Service line.

Abandoned K. G. & E. underground conduit.

7+80.0 Sta. ~~7+74.0~~ Const. Std. M. H. Install 6" Stub NE.

Proposed 6" leads

Proposed 6" lead

PROPOSED CIVIC CENTER BLDG.

Center of Auditorium Complex. This point being 363' S. of S. P. Douglas Ave. and 630' W. of W. 12 of Main St.

N.S. & of Auditorium Complex to be parallel with & of Main St.

Sta. 10+61.0 ~~Sta. 10+53.0~~ Remove exist'g O.H. Const. Std. M. H. Plug pipe east.

Sta. 0+00.0 exist'g M.H. Exist'g 18" stub W. Exist'g 15" Line No. 2

Sta. 2+24.4 ~~Sta. 2+35.0~~ Const. Std. M.H. Install 6" Stub N.W. 18" Water line, Top 108.42 12" H.P. Gas Service Top of pipe at 18" M.H. was 3' below top of cb.

Sta. 4+35.0 Const. Std. M.H. Install 8" stub N.E.

Sta. 5+74.0 ~~Sta. 5+74.0~~ Const. Std. M.H. Install 6" stub E.

Sta. 7+80.0 ~~Sta. 7+74.0~~ Const. Std. M.H. Install 6" Stub N.E.

Sta. 10+61.0 ~~Sta. 10+53.0~~ Remove exist'g O.H. Const. Std. M.H. Plug pipe E.

15" V.C.P. @ 0.15 % | 18" V.C.P. @ 0.3 % | 10" V.C.P. @ 0.38 % | 8" V.C.P. @ 0.2 %

1,033.0 lin. ft. of Sand Fill

45 lin. ft. of 8" Reinf. conc. encasement.

104.01 Flo out 21" 104.46 Flo in 15"

104.36 Flo out 15" 104.70 Flo in 12"

104.93 Flo out 12"

105.23 Flo out 12"

105.34 Flo out 10" 105.30 Flo in 10"

105.25 Flo out 10"

105.03 Flo out 10"

105.13 Flo out 10"

106.52 Flo out 10"

105.88 Flo out 10" 105.64 Flo in 8" 105.60 Flo out 8"

107.25 Flo out 8"

107.45 Flo out 8"

107.56 Flo out 8" 107.97 Flo Exist'g O.H.

225 lin. ft. 15" V.C.P. at 0.15 % grade | 210 lin. ft. 12" V.C.P. at 0.3 % grade | 335 lin. ft. 10" V.C.P. at 0.38 % grade | 283 lin. ft. 8" V.C.P. at 0.2 % grade

0 1 2 3 4 5 6 7 8 9 10

Elev. 111.00

Trench Backfill to be compacted as ordered by Engineer

Minimum thickness of encasement = 8"

#5 bars @ 8'-0" Centers

#5, longitudinal bars

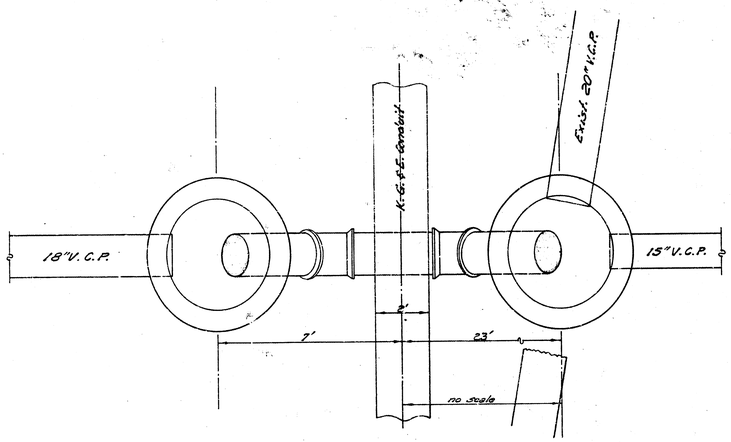
5'-5"

Elev. 105.65

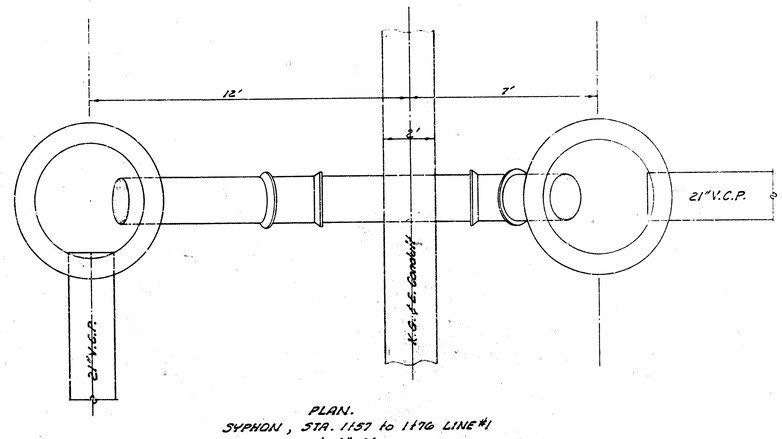
TYPICAL SECTION
REINF. CONC. ENCASEMENT UNDER R. R. TRACKS
STA. 3+90.0 TO 4+35.0
Scale 3/8" = 1'-0"

RELOCATION OF
LAT. "W", SUBMAIN "A", S. S. NO. 1
IN CONNECTION WITH
THE CIVIC CENTER URBAN RENEWAL
PROJECT KANSAS R-19
As built Plan 1-12-66

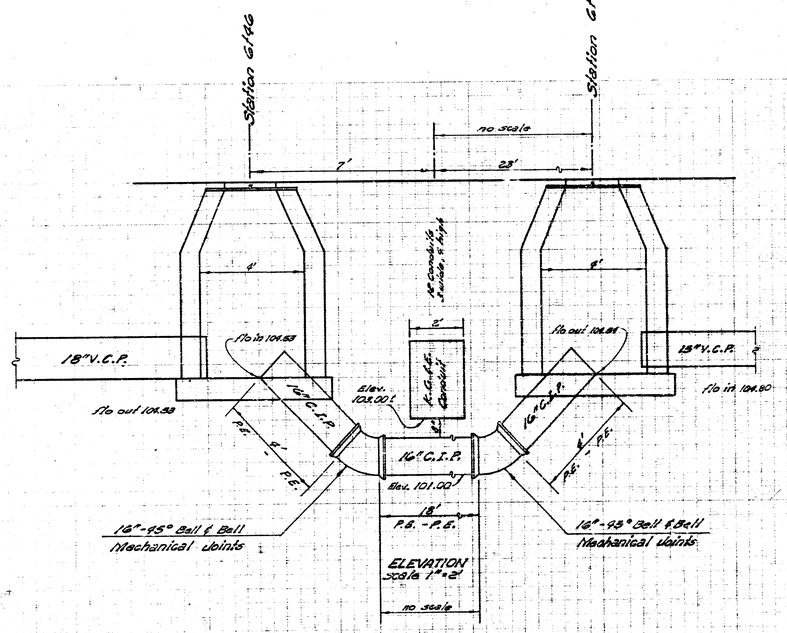
2/4



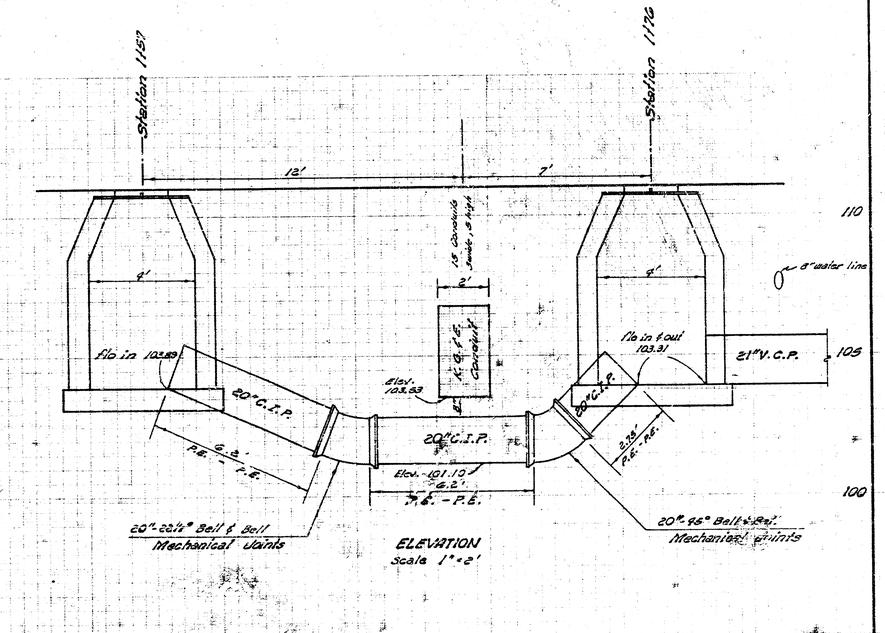
PLAN
SYPHON, STA. 6+46 TO 6+76 LINE #1
Scale 1"=2'



PLAN.
SYPHON, STA. 1157 to 1176 LINE #1
Scale 1"=2'



ELEVATION
Scale 1"=2'



ELEVATION
Scale 1"=2'

RELOCATION OF A PORTION OF MAIN A, SAN. SEWER NO. 1
PROJ. KANSAS R-19 SYPHON DETAILS