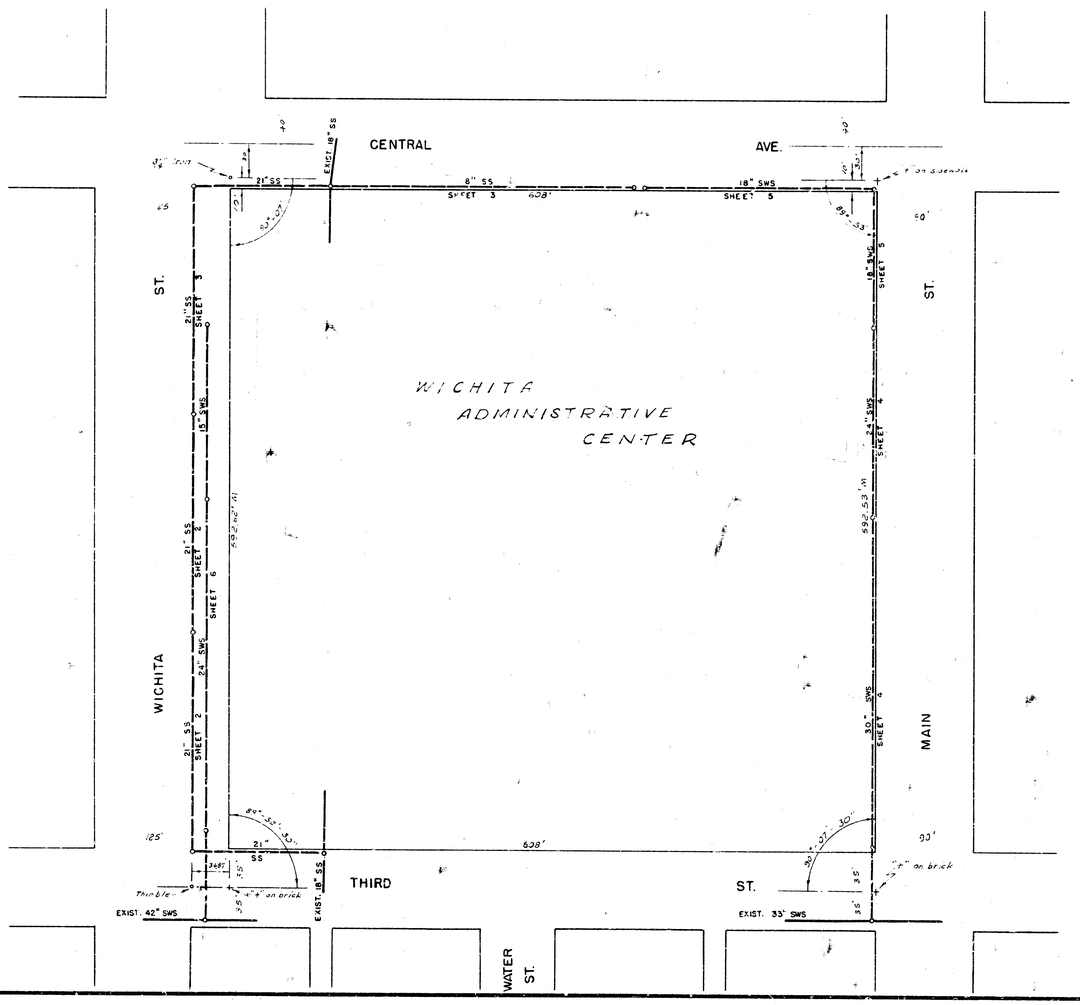
THE URBAN RENEWAL AGENCY
OF THE
WICHITA, KANSAS METROPOLITAN AREA

SANITARY SEWER RELOCATION
STORM WATER SEWER RELOCATION
AND
ABANDONMENT OF EXISTING SEWERS
NEIGHBORHOOD DEVELOPMENT PROGRAM
ADMINISTRATION CENTER ACTIVITY AREA

ENGINEERING DIVISION, DEPARTMENT OF PUBLIC WORKS
B. E. SMITH — CITY ENGINEER
MARCH 1971, KANS A-5-3

N

SCALE 1" = 50'



B.M. No. 1358 S.E. cor. conc. base R.R. Signal Lt N.W. cor. Central & Wichita.
B.M. No. 1343 "J" N.E. cor. R.R. Signal Light Base N.E. cor. Wichita & Third.

Sta 0+24.0 Const. Std. M.H. Type "A"

Ties to "T" on brick
E.F. Wichita St. N.E. & Third St.
3.4 ft. N. to thimble
3.1 ft. E. to iron in washer N.W.S. P.R.
33.9 ft. S.W. to "T" on walk.
32.9 ft. S.E. to "T" on walk.

STREET

WICHITA

Sta. 3+20.0 Const. Std. M.H. Type "A"

Proposed pavement

Sta. 5+15.7 Const. Std. M.H. Type "A" Install 8" Stub east with temporary Plug

STREET

Sta. 6+50.0

Property line

Proposed 24" S.W.S. See sheet No. 6

Proposed 15" S.W.S. See sheet No. 6

Proposed gas line locations

NOTE: Plan grade see tab above.

Const. Asphalt Paving

THIRD

NOTE: Field engineer is to verify Sta. & elev. Sta. 0+00.0 prior to construction.

Sta. 0+00.0 Const. Std. M.H. Type "A" over exist. 18" San. Sewer. Match F.G. elev. south. P.Lug pipe north. P.Lug 18" S.W.S. north & south.

NOTE: See sheet 1 for General notes.

Plug Pipes

P.Lug 1+33

Sta. 0+03.4 Const. Std. M.H. Type "A" over exist. 18" San. Sewer. Match F.G. elev. south. Plug pipes north & south.

Sta. 0+04 Exist. 18" SWS N. & S. Plug ex. S.L. 18" SWS N. & S.

Sta. 1+13 Prop. Elliptical SWS

Sta. 1+24.0 Const. Std. M.H. Type "A"

Exist. N. of Third St.

Set top of M.H. @ 111.4

Approx. ground elev.

Sta. 3+20.0 Const. Std. M.H. Type "A"

Set top of M.H. @ 111.5

Set top of M.H. @ 111.9

Sta. 5+15.7 Const. Std. M.H. Type "A" Install 8" Stub east with temporary Plug

Approx. ground elev.

Sta. 6+50.0

21" Clay Pipe @ 0.0589 ft. 21" Clay Pipe @ 0.0589 ft. 31" Clay Pipe @ 0.0589 ft.

107.03 107.07 F/O 107.12 107.18 107.19 F/O 107.24 107.29 107.30 F/O 108.0 "6 in 6" 107.35 107.38

650 lin. ft. of 21" Clay Pipe at 0.0589 ft. grade.

0 1 2 3 4 5 6

SEWER RELOCATIONS AND ABANDONMENT OF EXISTING SEWERS
N. D. P ADMINISTRATION CENTER
KANS. A-5-3 SHEET 2 OF 9

IVICH ITA STREET

Proposed Tunnel

Const. Asphalt Curbing

Fla 8" S.S. 108.89

8" S.S. Plan Flo 8" SWS 108.60

CENTRAL AVE.

See Sheet No. 5

Sta 11+39.3 as built
Sta. 11+39.3 Const.
Sta. N.H. Type "A"
Install 8" Stub South
With temporary plug

Const. Asphalt Curbing

Sta. 7+82.2 as built
Sta. 7+82.2 Const.
Sta. N.H. Type "A"

81+65 as built
Sta 81+49.0
Remove Exist. M.H.
Exist. Pipe South
Const. Sta. N.H. Type "A"

Pond Pipe
Remove manhole
Sand Duck Fill

608.00' to E.

Sta. 6+50.0

STREET

Proposed Pavement

IVICH ITH

Remove Existing Sand Duck Fill

20' Alley

WATER ST.

201.5 to E. Approx.

384.00' E

224.00' E

Proposed Tunnel

Sta. 6+50.0

Set top of M.H. @ 112.0

Top of exist. Sq. curb at Central Ave.

Set top of M.H. @ 112.6

Top of exist. Sq. curb at Central Ave.

Set top of M.H. of 113.0

21" Clay Pipe @ 0.0589 ft/ft

8" Clay Pipe @ 3.20 ft/ft

8" Clay Pipe @ 3.20 ft/ft

108.90 Plan Flo 8" S.S.
108.60 Plan Flo 8" SWS
106.82 Flo 18" SWS

106.60 Top of tunnel at City Admin. Bldg.

107.39
107.41
107.28 Flo
107.47
107.50 Flo out 21"
107.50 Flo in 21"
108.58 Flo in 8"
108.68
108.88
109.16 Flo out
109.26 Flo in 8" Stub So.

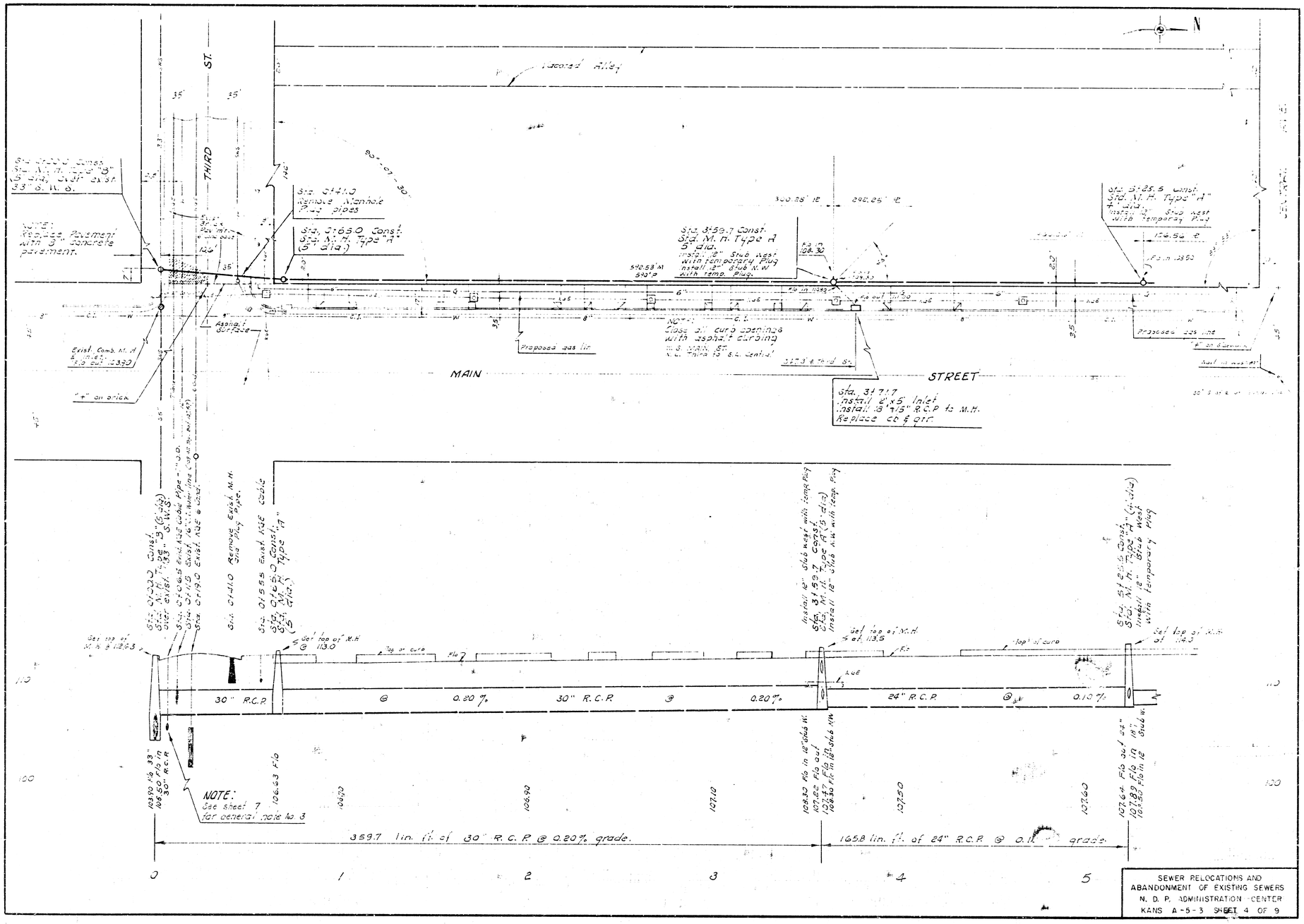
199 lin. ft. of 21" Clay Pipe at 0.0589 ft/ft grade.

290 lin. ft. of 8" Clay Pipe at 0.20 ft/ft grade.

+50 7 8 9 10 11

Revised 10-3-73

SEWER RELOCATIONS AND
ABANDONMENT OF EXISTING SEWERS
N. D. P. ADMINISTRATION CENTER
KANS. A-5-3, SHEET 3 OF 9



SEWER RELOCATIONS AND ABANDONMENT OF EXISTING SEWERS
N. D. P. ADMINISTRATION CENTER
KANS A-5-3 SHEET 4 OF 9

MAIN ST.

Sta. 5+35.6

Proposed gas line

15'

16'

3'

20'

3.5'

45°

63°-53'

201.5' Approx.

Dig Pipes Remove manholes Sand back fill

25' ALLEY

Proposed tunnel

334.33 ft

608.33' to ft

Sta. 6+77+ Const. Sta. M.H. Type "A" Install 10" Stub South with temporary Plug

817.9 as built

WATER ST.

Install 2'x 5' inlet Top of Gr. 12.85 Flo in gr. gutter 110.2 Flo out 15" R.C.P 110.35

140'

Exist. Gas line

Flo in 15" R.C.P. 110.10

Proposed 8" S. (See Sheet 8)

Exist. Gas line

Sta. 6+54.1

6155.2 as built

Const. Sta. M.H. Type A

Nail in washer

+ 13.50

Proposed gas line

6"

2'

40'

30'

NOTE: Exist. 16" C.I. Water line Top 109.91

Asphalt Surface

CENTRAL AVE.

Nail in washer

108.82 Plan Flo

18" SWS

Install 2'x 5' inlet Install 12"x15" R.C.P. 2 South Install 15"x18" R.C.P. 2 West Flo out 15" 108.60 Flo in 15" at M.H. 110.10 Replace Curb & gutter

Plan Flo 12" SWS 103.60

Plan Flo 8" S.S. 108.90

108.47 Plan Flo

Remove exist. Pavement. Const. curb and gutter Replace Pavement.

See Sheet 7 for details

Revised 10-9-73

SEWER RELOCATIONS AND ABANDONMENT OF EXISTING SEWERS N. D. P. ADMINISTRATION CENTER KANS A-5-3, SHEET 5 OF 9

5 6 7 8

Sta. 5+35.6

6155.2 as built Sta. 6+54.1 Const. Sta. M.H. Type "A"

Set top of M.H. at 113.9

Top of West curb Main St.

Top of St. curb Central Ave.

Top at 111.74

Proposed tunnel

817.9 as built Const. Sta. M.H. Type "A" Sta. 6+77+ Install 10" Stub South with temporary plug

Set top of M.H. at 113.9

111.24 Top exist. 8" gas line

13" R. C. P. @ 0.10 % fo

18" R. C. P. @ 0.10 %

110

100

107.81

107.96

108.02 Flo in 108.12 Flo out 108.02 Flo as built

108.16

108.86

106.60 Top of tunnel at City Admin. Bldg.

110.10 Flo in 15" N. 108.34 Flo out 10" Stub S. 108.54 Flo in 10" Stub S.

347 lin. ft. of 18" R.C.P. @ 0.10 % grade.

108.31 SWS

108.32 SWS

108.34 Flo out as built

Sta. 3+93.0 Const. Std. M.H. Type "A" (5'-0" I.D.) Install 42'-15" R.C.P. west. Install 9'-15" R.C.P. east. Instal. 2-2'x3' inlets.

Sta. 3+71.7 Const. Std. M.H. Type "A" (± I.A.) Install 6" stub east with temporary Plug. Install 12'-15" R.C.P. southeast Install 2'x3' inlet Install 16' stub east at 16.6' with temporary Plug.

Sta. 3+42.8 Const. Std. M.H. Type "A" (± I.A.) Install 9'-6" stub east with temporary plug.

WICHITA STREET

Proposed pavement

Proposed San. Sewer See Sheet No. 3

Proposed San. Sewer See Sheet No. 2 & 3

Sta. 2+00.0 Const. 8'-3" M.H. Type "B" (5'-0" I.D.) over exist. 8" Storm Water Sewer

Fl in 1078.0

Fl in 1077.0

Fl in 1073.00

Fl in 1068.00

Fl in 0800

Proposed 8" W.L.

590' P 592.64' M

308.87' R 283.75' R

368.12' R 203.40' R

300.33' R 292.89' R

466.03' R 126.59' R

NOTE: Replace pavement with 8" Conc. pavement.

NOTE: Engineer is to verify Fld elev. at Sta. 3+93.0 prior to construction.

Const. asphalt paving

THIRD ST.

7.00'

78'

20'

CENTRAL AVE.

P.W. Pipe

Sta. 0+00.0 Const. Std. M.H. Type "B" (5'-0" I.D.) over exist. 8" Storm Water Sewer; Sta. 0+04.5 Exist. 10" Gas line; Sta. 0+11.5 Exist. (8"-4") Vit. Cond.; Sta. 0+14.2 Exist. 8" C.I. Water line; Sta. 0+18.5 Exist. 4" Vit. Cond. pipe

Sta. 0+37.0 Exist. 8" S.S.

Sta. 0+46.0 Exist. 18" SWS

Sta. 0+60.0 Proposed 21" S.S.

Sta. 0+80.0 Const. Std. M.H. Type "A" (5'-0" I.D.) Install 15" R.C.P. east & west

NOTE: See sheet 7 for general note No. 3

Approx. ground elev.

Set top M.H. @ 116.8

21'-6.5

Set top M.H. at 111.40

109.10 Fld 6" S.S.

Set top M.H. at 111.8

30½" x 19⅞" Elliptical R.C.P. @ 0.95%

24" R.C.P. @ 0.85 % 24" R.C.P. @ 0.85 %

15" R.C.P @ 0.60 %

103.48 Fld

103.05

104.50

105.35

103.70 Fld in 15" S.S.

103.96

103.04 Fld in Stub east

104.88

107.48

107.45 Fld

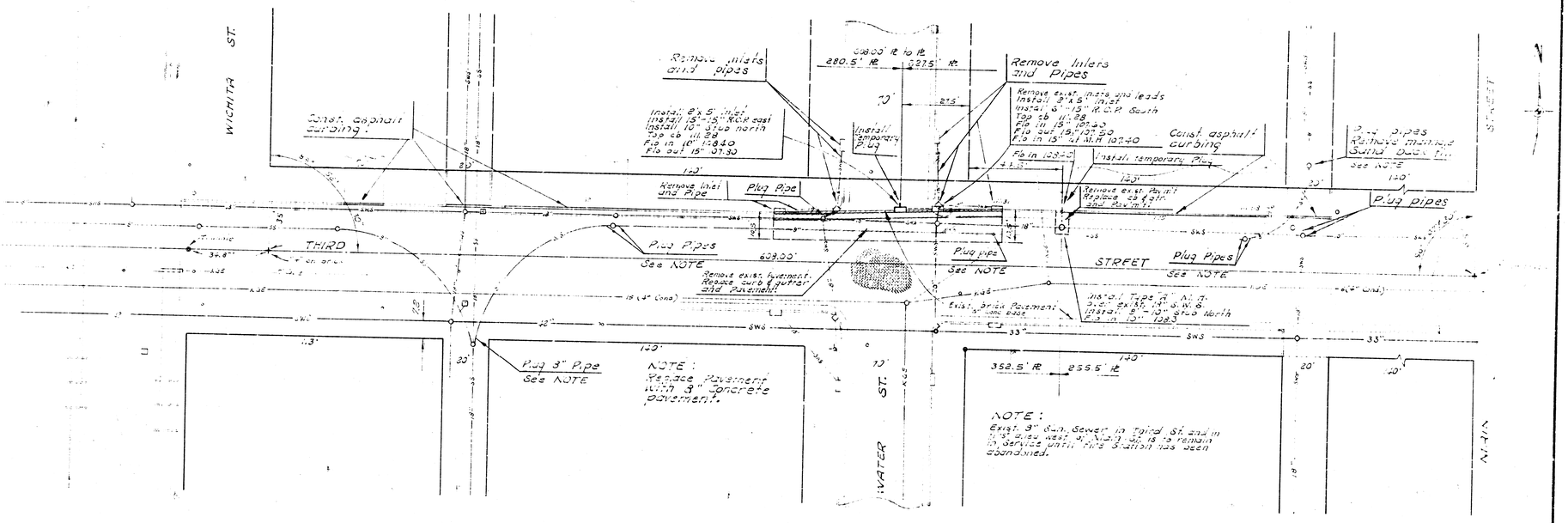
103.43 Fld in 12"SWS E.

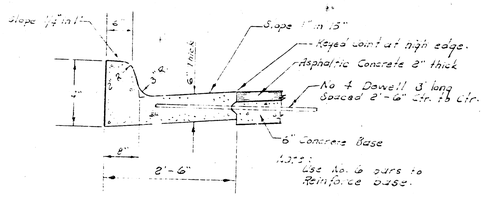
291.7 lin. ft. of 24" R.C.P. at 0.85 % grade

15.1 lin. ft. of 15" R. C. P. at 0.60 % grade

0 1 2 3 4 5

SEWER RELOCATIONS AND ABANDONMENT OF EXISTING SEWERS
N. D. P. ADMINISTRATION CENTER
KANS. A-5-3, SHEET 6 OF 9





STANDARD SECTION
OF
COMBINED CURB & GUTTER

GENERAL NOTES:

1. Manholes and inlets are to conform to the standards and specifications of the City of Wichita.
2. Close all curb openings with asphalt curbing at the following locations:
   South Side CENTRAL AVE. E.L. Wichita St. to W.L. Main St.
   West Side MAIN ST. N.L. Third St. to S.L. Central Ave.
   North Side THIRD ST. E.L. Wichita St. to W.L. Main St.
3. Excavation and back fill construction around exist. 7" K.G.E. Cable Pipe is to be under the supervision and direction of the K.G.E. Co.
4. All stubs set for buildings to be plugged with temporary plugs and is to be incidental to the project.
5. Field Engineer is to verify all abandoned sewers prior to plugging Pipes.

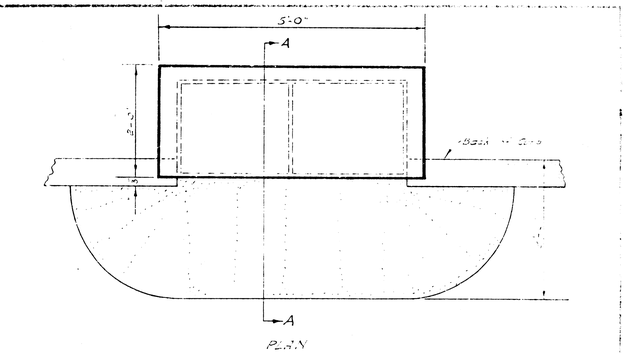
SEWER RELOCATIONS AND ABANDONMENT OF EXISTING SEWERS
N. D. P. ADMINISTRATION CENTER
KANS. A-5-3 SHEET 7 OF 9

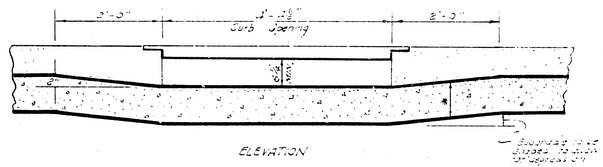
STANDARD MANHOLE TYPE "A"

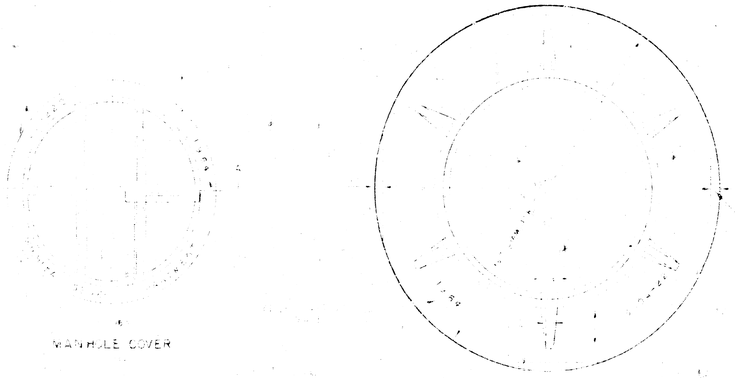
STANDARD MANHOLE TYPE "B"

DROP MANHOLE TYPE "A"

DROP MANHOLE TYPE "B"





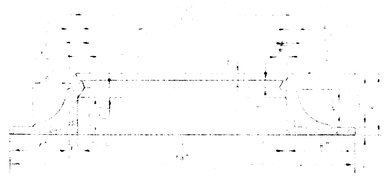


MANHOLE RING

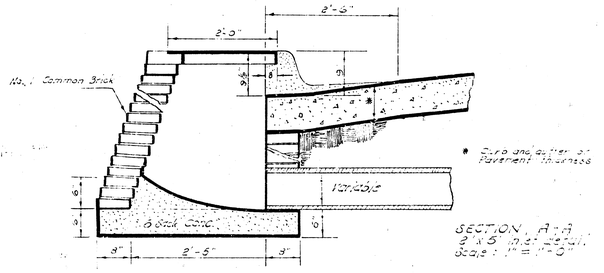
MANHOLE COVER

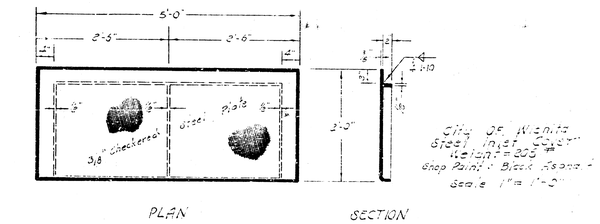
MANHOLE COVER

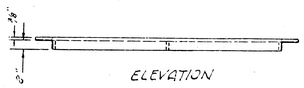
MANHOLE COVER



MANHOLE RING





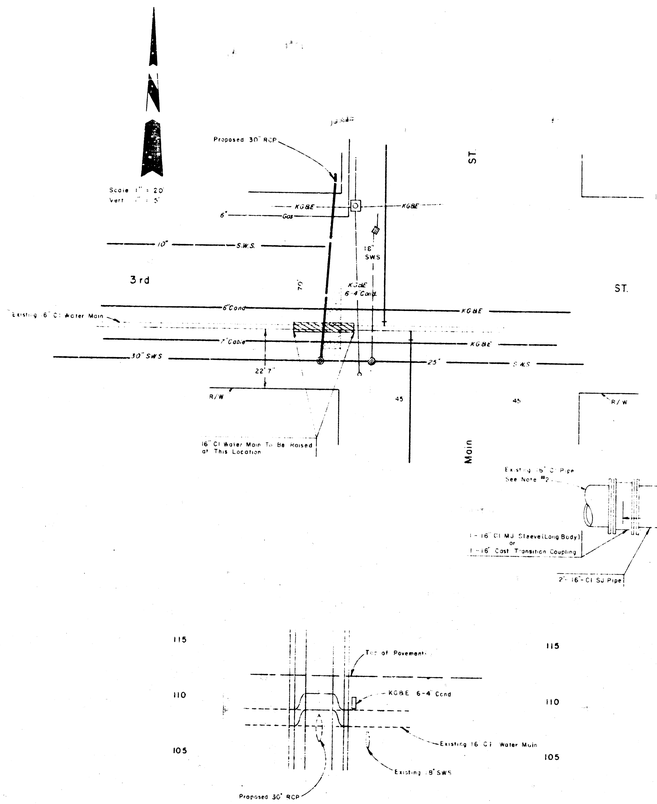


ELEVATION

SEWER RELOCATIONS AND ABANDONMENT OF EXISTING SEWERS
N. D. P. ADMINISTRATION CENTER
KANS. A-5-3 SHEET 8 OF 9

NOTES

1. All Materials to be Furnished and Installed by the Contractor. The Water Dept. will shut down the main.
2. The Contractor will remove the existing 16" Cast Iron Pipe, leaving a smooth cut on right angles to the axis of the pipe at each end.
3. All Cast Iron Pipe and Fittings to be wrapped in Polyethylene film, cold sand encased.
4. Concrete thrust blocks, at corner approximately two cu. yd. of Concrete each.
5. Cast Iron Pipe will be cut to exact length or spacer pipes cut from the same diameter pipe will be used to remove any slack in the new pipe and fittings.
6. All backfill to be compacted to original density with 24 min. depth for base sub-grade of paving where possible.



WATER LINE RELOCATIONS
N. D. P. ADMINISTRATION CENTER
KANS. A-5-3 SHEET 9 OF 9

14 5 4 1