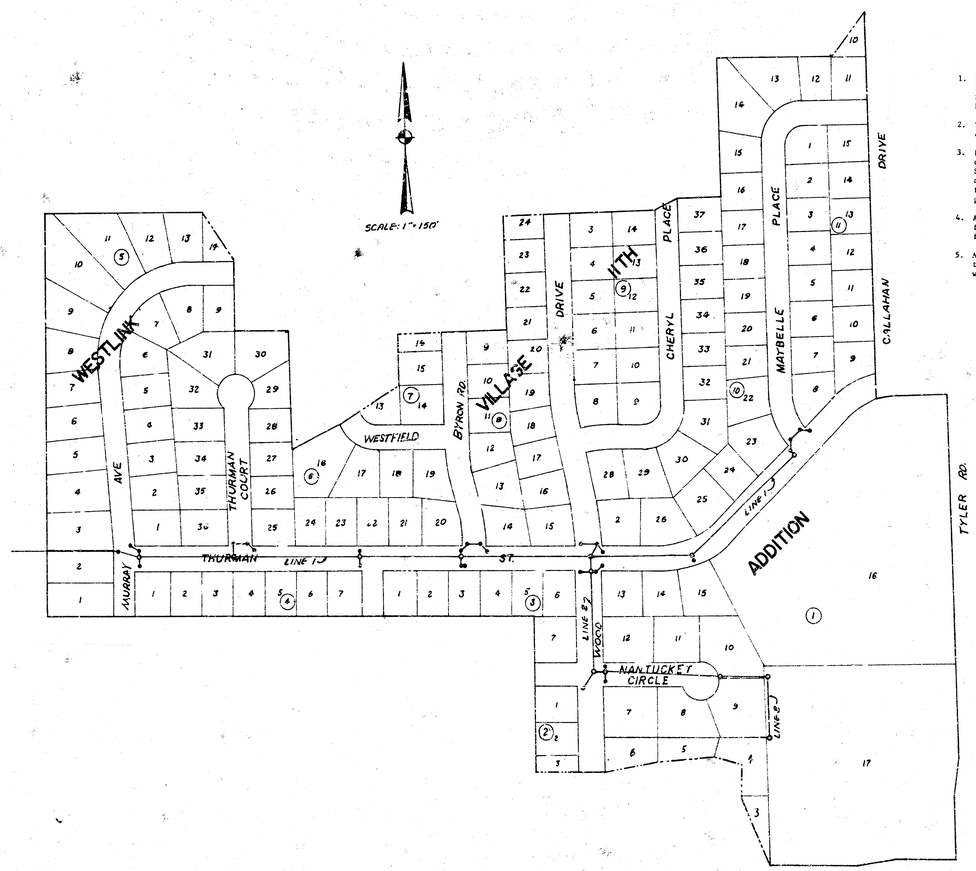
STORM WATER SEWER NO. 111

CITY OF WICHITA, KANSAS
R.W. LINN, CITY ENGINEER



GENERAL NOTES

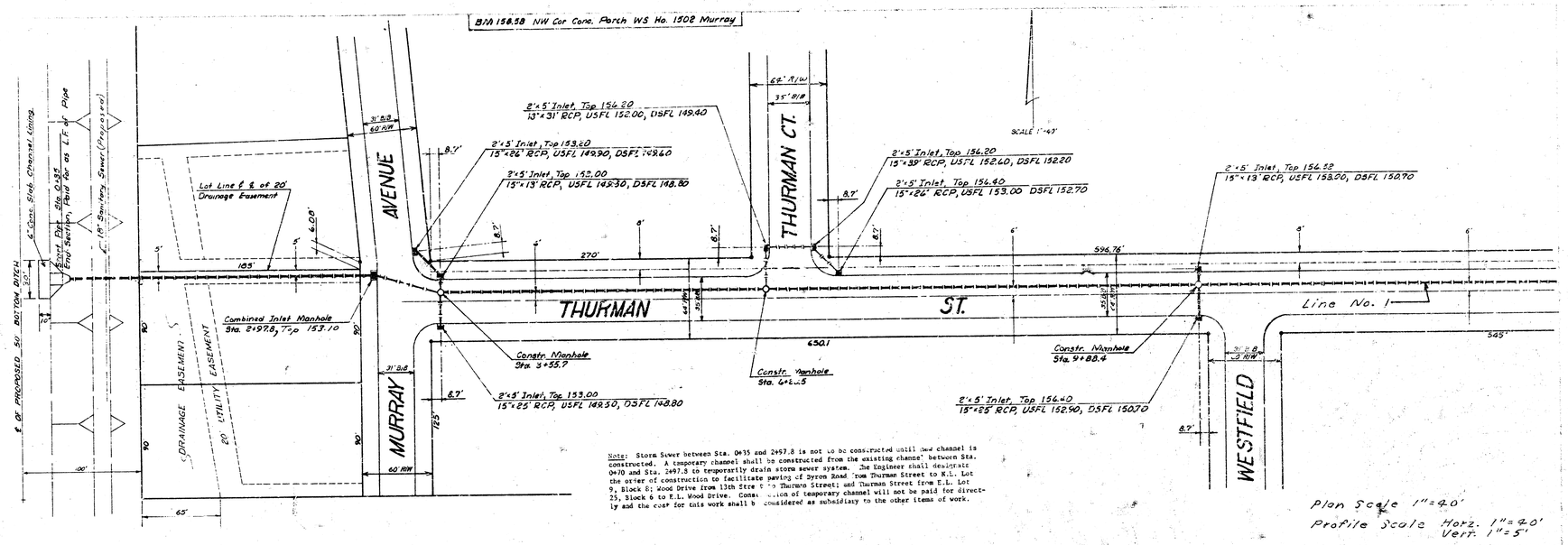
1. The price bid for "clearing right-of-way" shall include all removal and replacement work necessary for construction of Storm Water Sewer No. 111 and shall include tree removal. Site inspection is required by Contractor to verify extent of required work. Trees shall be removed only when approved by the Engineer.
2. The Contractor shall coordinate his work with the channel Contractor of the channel at the outfall end of Storm Water Sewer No. 111.
3. Pipe furnished for this project shall be either all reinforced concrete pipe or all corrugated metal pipe. Corrugated metal pipe shall conform to the applicated sections of Section 1009.05 and 1009.07 of the 1973 Kansas State Highway Specifications. Corrugated metal pipe furnished for this project is not required to be coated. The outfall pipes from curb inlets shall be same size corrugated metal pipe as shown for reinforced concrete pipe.
4. All curb inlets are to be constructed at the "set-back" location. Construction notes for each inlet gives the size and length of the outflow pipe together with its upstream flow elevation (U.S.F.L.) and its downstream flow elevation (D.S.F.L.).
5. All brick manholes are to be constructed in accordance with Wichita Standard Drawing entitled "Sewer Appurtenances." Manhole rings having a base diameter of 54" shall be used with all brick manholes.

DONALD B. SCHIFFLER — LICENSED — E311 — KANSAS — PROFESSIONAL ENGINEER

DATE: _____

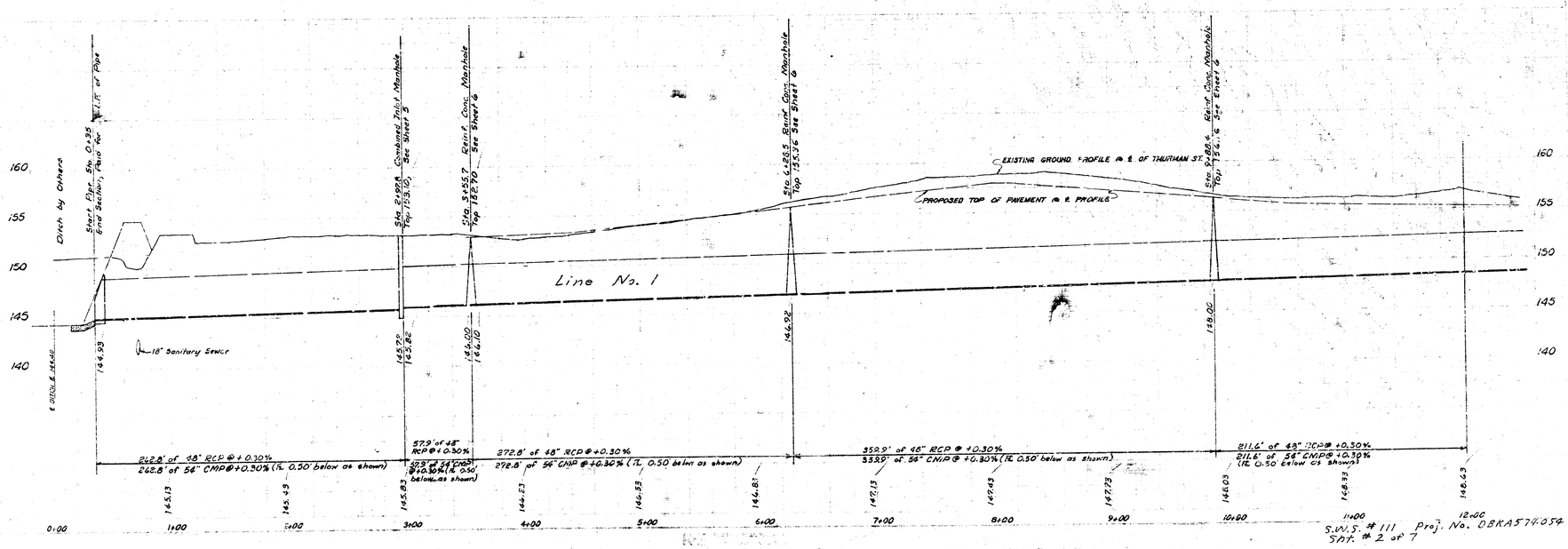
PROJ. NO. DBKA574054

DCD 108, DCD-IN

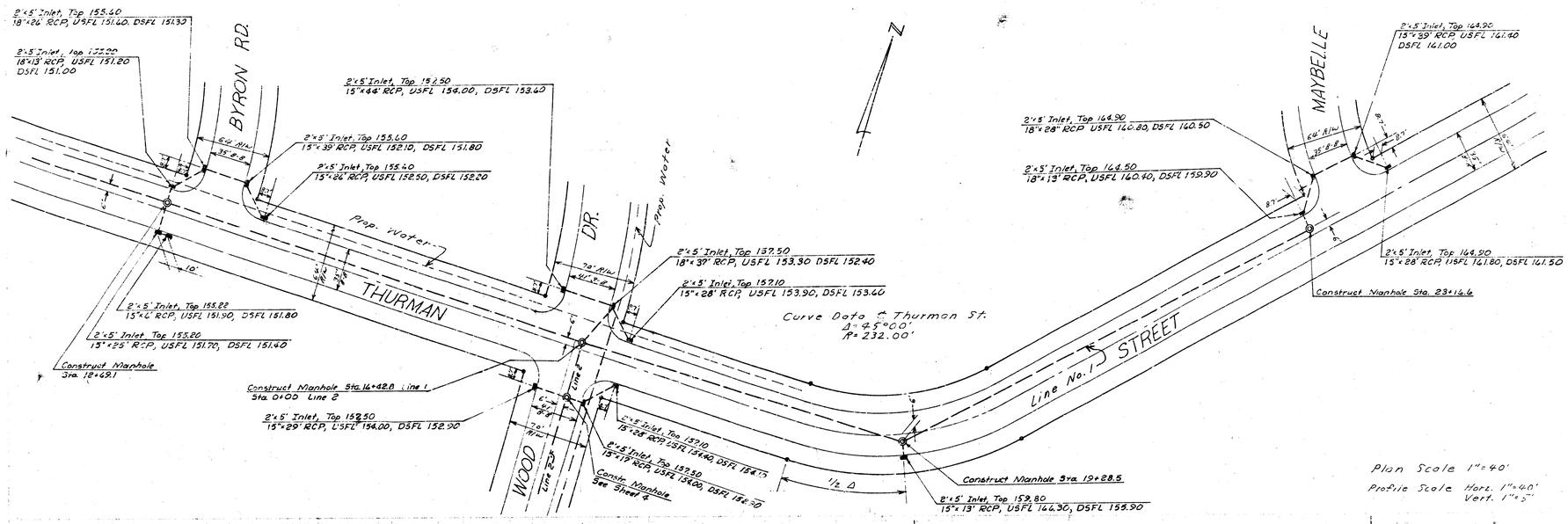


Note: Storm Sewer between Sta. 0+35 and 2+97.8 is not to be constructed until new channel is constructed. A temporary channel shall be constructed from the existing channel between Sta. 0+70 and Sta. 2+97.8 to temporarily drain storm sewer system. The Engineer shall designate the order of construction to facilitate paving of Byron Road from Thurman Street to N.L. Lot 9, Block 8; Wood Drive from 13th Street to Thurman Street; and Thurman Street from E.L. Lot 25, Block 6 to E.L. Wood Drive. Construction of temporary channel will not be paid for directly and the cost for this work shall be considered as subsidiary to the other items of work.

Plan Scale 1"=40'
Profile Scale Horz. 1"=40'
Vert. 1"=5'



S.W.S. # 111 Proj. No. OBRA 57(4) 054
Sht. # 2 of 7



Plan Scale 1"=40'
Profile Scale Horz. 1"=40'
Vert. 1"=5'

DCD IN, DCD 108

BM 158.75 SE Cor. Conc. Porch @ 9116 Nantucket

Line 1 — Line 1

64' ROW — 32' B/B

6'

THURMAN DRIVE

Construct Manhole Sta 0+00 Line 2
Sta. 14+42.8 Line 1

See Sheet 3

See Sheet 3

Construct Manhole Sta 0+46.7

8" Water

WOOD DRIVE

8" Sanitary Sewer

SCALE: Hor. 1"=40'
Ver. 1"=5'

8'x5' Inlet, Top 158.30
15"x32" RCP, USFL 154.80, DSFL 154.20

Constr. Manhole Sta. 2+12

70' ROW

41' B/B

8.7'

6'

2'x5' Inlet, Top 158.10
15"x13" RCP, USFL 154.60, DSFL 154.30

Construct Manhole Sta. 3+49.7

2'x5' Inlet Top 158.10
15"x25' RCP, USFL 154.60, DSFL 154.30

60' ROW

31' B/B

NANTUCKET

6'

8.7'

64' ROW

35' B/B

NANTUCKET CIRCLE

5'

Lot 9

5'

132.53'

R=50'

Construct Manhole
Sta. 6+04
1st Line & 2' of 20'
Drainage Easement

20' Drainage Easement

8" Sanitary Sewer

Lot Line

Construct Manhole
Sta. 8+03.5

Lot 16

Lot 17

SCALE: Hor. 1"=40'
Ver. 1"=5'

Lot 17

60' Drainage Easement

10'

Construct Manhole Sta. 9+46.3
Top 160.50, Install Beehive Cover
at no additional cost.

157.84'

10'

Lot Line

8" Sanitary Sewer

Lot 9

Lot 4

Sta. 0+00 Manhole
See Sheet 3

Sta. 0+42.7
Type B 5' dia. Manhole
Top 159.23

Existing Ground

Proposed surface

Line No. 2

8" Sanitary Sewer

Install conc. arch over sanitary sewer full width of storm sewer trench. Cost incidental to project

Sta. 3+18
Type B 5' dia. Manhole
Top 158.20

Sta. 3+49.7
Type B 5' dia. MH
Top 157.80

Sta. 4+44
Type A 4' dia. MH
Top 160.90

Sta. 8+03.5
Type A 4' dia. MH
Top 161.80

Sta. 9+46.3
Type A 4' dia. MH
Top 160.50

151.46 — 151.25 — 156.71 / 152.81 — 153.32 / 153.46 — 154.72 — 155.82 / 155.37 — 154.02

312' of 30" RCP @ +0.40%
312' of 32" RCP @ +0.40% (IE 0.50' below as shown)

37.5' of 30" RCP @ +0.40%
37.5' of 32" CMP @ +0.40% (IE 0.50' below as shown)

453.8' of 24" RCP @ +0.40%
453.8' of 30" CMP @ +0.40% (IE 0.50' below as shown)

162.8' of 24" RCP @ +0.40%
162.8' of 30" CMP @ +0.40%
(IE 0.50' below as shown)

151.46 — 151.86 — 152.26 — 152.66 — 153.46 — 154.06 — 154.46 — 154.86 — 155.26 — 155.76

0 1 2 3 4 5 6 7 8 9

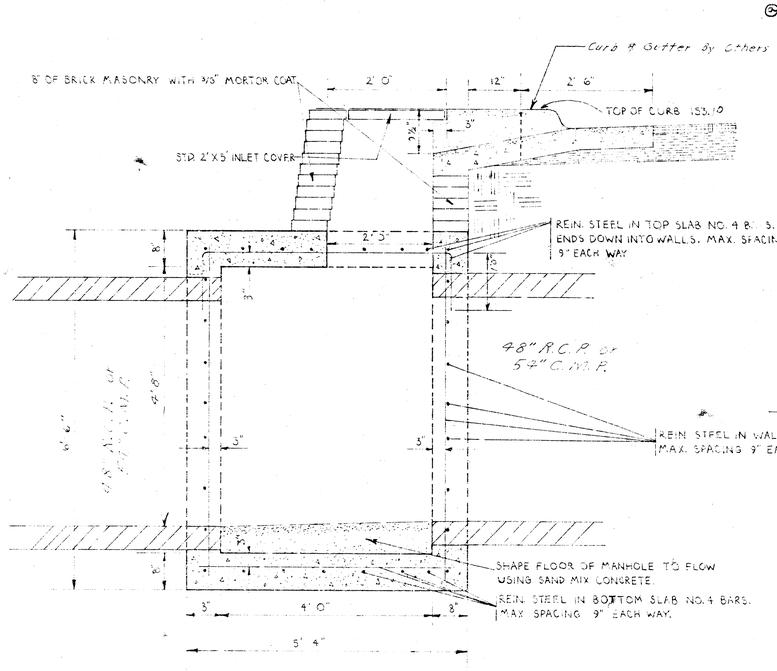
140 155 150

LINE 2, SWS # 111, Project No. DBKA 574054 Sheet 4 of 7

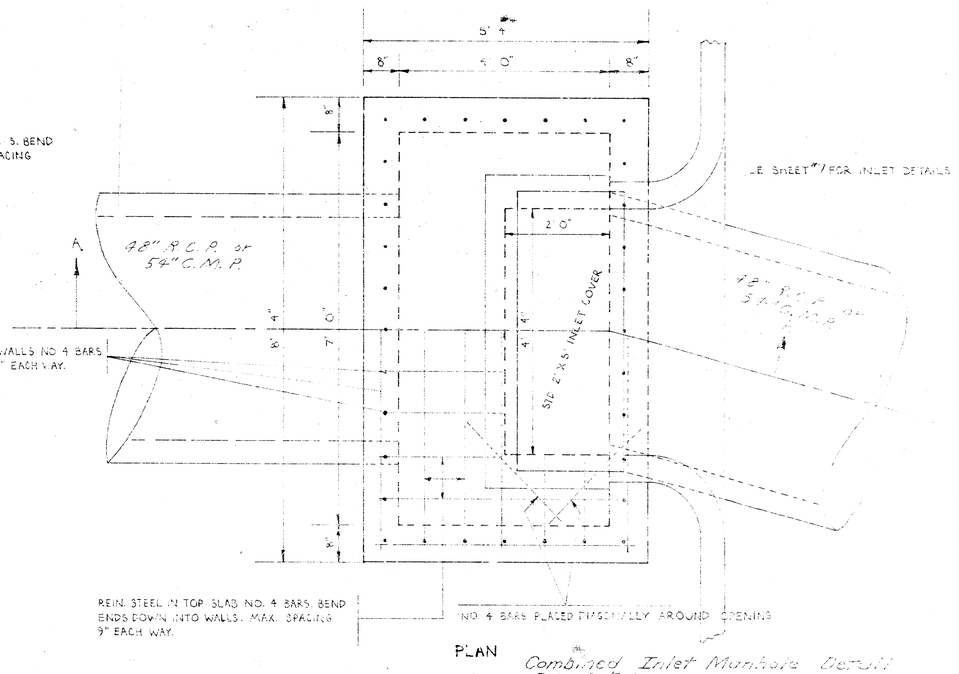
COMBINED INLET MANHOLE

@ STATION 2+97.8

CONCRETE FOR INLET MANHOLE SHALL BE SIX BAGS PAVING MIX. THE BID PRICE FOR THIS COMBINED INLET MANHOLE SHALL INCLUDE THE COST OF EXCAVATION, FURNISHING AND PLACING CONCRETE, BRICKS, COVER PLATE, AND REINFORCING STEEL.



SECTION A-A

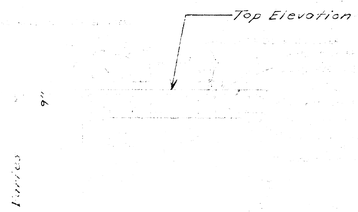


PLAN

Combined Inlet Manhole Detail
S. W. S. # 111
Proj. No. DBKA5114054
Sheet # 5 of 7

MANHOLE SCHEDULE

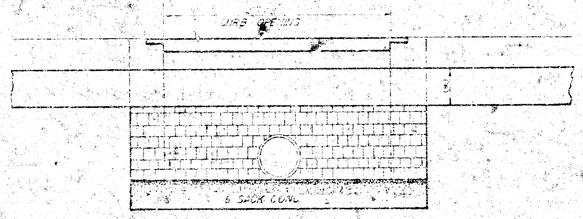
			Top Elev.
3+53.7	6'0"	7'0"	150.85
6+28.5	6'0"	7'0"	151.59
9+88.7	6'0"	7'0"	152.51
12+67.1	6'0"	7'0"	153.51
16+42.8	6'0"	7'0"	154.63



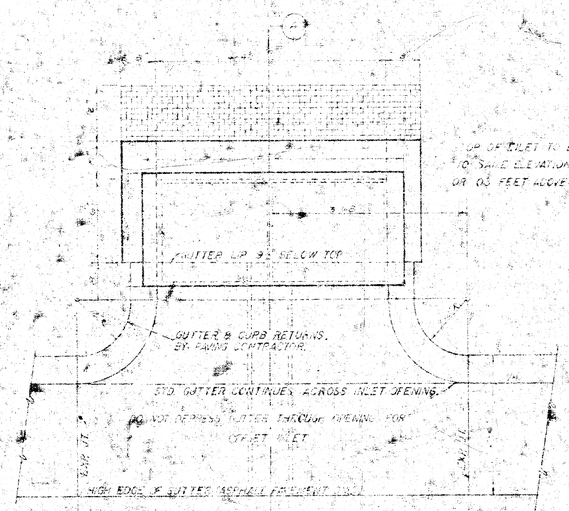
Reinforced Concrete Manhole Details
S.W.S. #111
Proj. No. DBRA5174054
Sheet #6 of 7

THIS TYPE INLET TO BE USED WHEN PAVEMENT IS ASPHALT PAVEMENT WITH ASPHALT BASE COURSE AND/OR WHEN PAVEMENTS HAVE ROLL CURB.

NOTE: STRUCTURAL STEEL FOR INLET COVER SHALL CONFORM WITH THE LATEST REVISION OF THE AMERICAN SOCIETY FOR TESTING AND MATERIALS DESIGNATION A36.

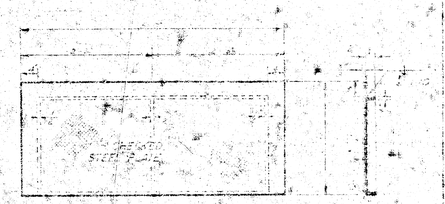


ELEVATION



TOP OF INLET TO BE CONSTRUCTED TO SAME ELEVATION AS STANDARD CURB OR 0.5 FEET ABOVE ROLL CURB

PLAN



PLAN

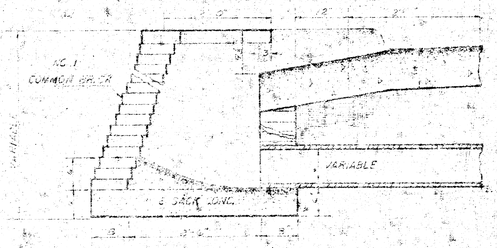
SECTION



ELEVATION

CITY OF WICHITA
STEEL INLET COVER
WEIGHT = 205 LBS.
GRIP POINT = BLACK
SCALE 1" = 1'-0"

(ASPHALT PAVEMENT ONLY)



(A) CURB, GUTTER OR PAVEMENT THICKNESS

SECTION THRU INLET
2'x5' INLET DETAIL
SCALE 1" = 1'-0"

NOTE: BRICK FOR INLET CONSTRUCTION SHALL CONFORM WITH THE LATEST REVISION OF THE AMERICAN SOCIETY FOR TESTING AND MATERIALS DESIGNATION C32 FOR MANHOLE BRICK GRADE MS.

DETAIL STANDARD 2'x5' INLET

(SET BACK LOCATION)

CITY OF WICHITA, KANSAS

R. W. LINN CITY ENGINEER

JUNE 1974

SWS# 111 Project No. DBHA 5740.54. Sheet 7 of 7.