B.M. 97.45 City Standard 44' South of & 31st St. S. and 53' east of & Meridian Ave.

Meridian Avenue

Sta. 0+00 Line No.1 Begin Construction Joint at & of Sta. 0+06.08

Sta. 0+00 Line No.1 Const. Reinf. Conc. Drop Inlet.

Sta. 2+14 Line No.1 Const. Reinf. Conc. Drop Inlet.

Sta. 3+04 Line No.1 Const. Reinf. Conc. Drop Inlet.

Sta. 0+00 Line No.2 Begin Construction Joint at & of Sta. 0+06.08

Sta. 0+00 Line No.2 Const. Reinf. Conc. Drop Inlet.

Sta. 0+13.5 Line No.2 Const. Reinf. Conc. Drop Inlet.

Sta. 1+43.5 Line No.2 Const. Reinf. Conc. Drop Inlet.

Line No. 1

Line No. 2

Apart. Bldg.

Apart. Bldg.

Apart. Bldg.

20'

61.7'

5'

80'

80'

88.94'

69'

40'

6" Rise, 6" Walk

105.5'

90'

50'

31st Street South

Drop Inlet Details

2.9% Sq.

11.5"

6"

Plan

"Neenah" F-1829-93 Light Duty Grating Covered Gray Cast Iron.

1-#4 bar

2-#4 bars

#4 "U" shaped bars each way.

Compacted Earth

Elevation

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

105

95

Finished Grade

Inlet Top El. 100.0

Inlet Top El. 98.8

Line No. 1

214 L.F. 18" R.C.P.

90 L.F. 12" R.C.P.

Sand Fill at Flush

Top of Inlets El. 100.0

Finished Grade

Inlet Top El. 97.3

Line No. 2

13.5 L.F. 15" R.C.P.

90 L.F. 12" R.C.P.

Sand Fill at Flush

0+00 Flow = 35.00

1+00 Flow = 35.23

2+00 Flow = 35.47
2+14 Flow 18" Out = 35.50
Flow 12" In = 96.00

3+04 Flow = 96.80

0+00 Flow 18" Out = 35.50
Flow 15" In = 96.05
0+13.5 Flow 12" In = 96.30

1+43.5 Flow = 97.10

Meridian Avenue

Sta. 0+00 Line No.3 Begin Construction Joint at & of Sta. 0+06.08 Sta. 0+00 Line No.3 Const. Reinf. Curb Inlet.

Sta. 1+13 Line No.3 Const. Reinf. Curb Inlet.

Sta. 1+51 Line No.3 Const. Reinf. Curb Inlet.

32nd Street South

Line No. 3

Apartment

Parking

64'

40'

20' Skirt

105'

26'

Curb Inlet Details

Elevation

Plan (Sta. 1+51)

Top of Curb El. 99.0

Top of Curb El. 98.7

Finished Grade

Line No. 3

151 L.F. 12" R.C.P.

Sand Fill at Flush

0+00 Flow = 92.74

1+00 Flow 12" Out = 95.00
Flow 12" In = 97.20
1+13

1+51 Flow = 95.60

Plan (Sta. 1+13)

SOUTHWEST HEIGHTS HOUSING S. W. S.
CITY OF WICHITA, KANSAS
B. E. SMITH, CITY ENGINEER
PRIVATE CONTRACT
DATE:

9 12 3 1