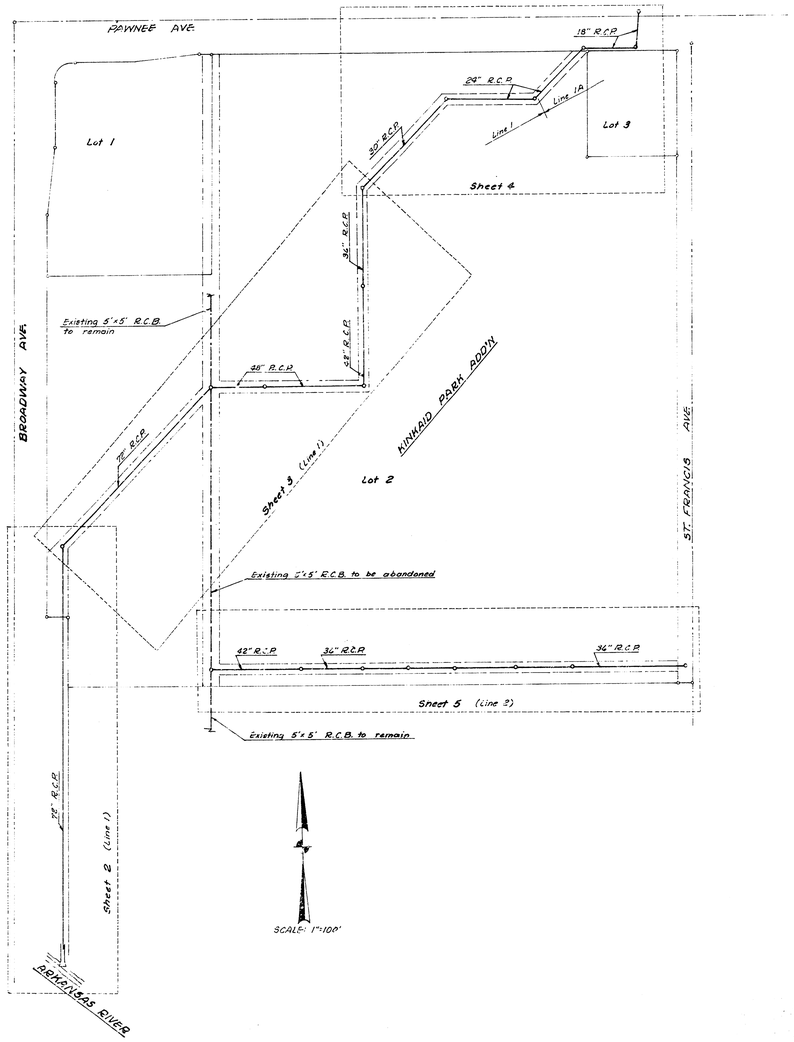
STORM WATER SEWER NO. 101

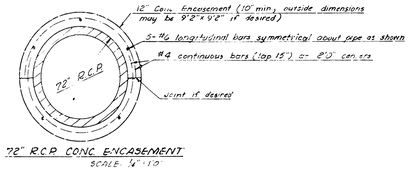


R. W. LINN, CITY ENGINEER
CITY OF WICHITA, KANSAS

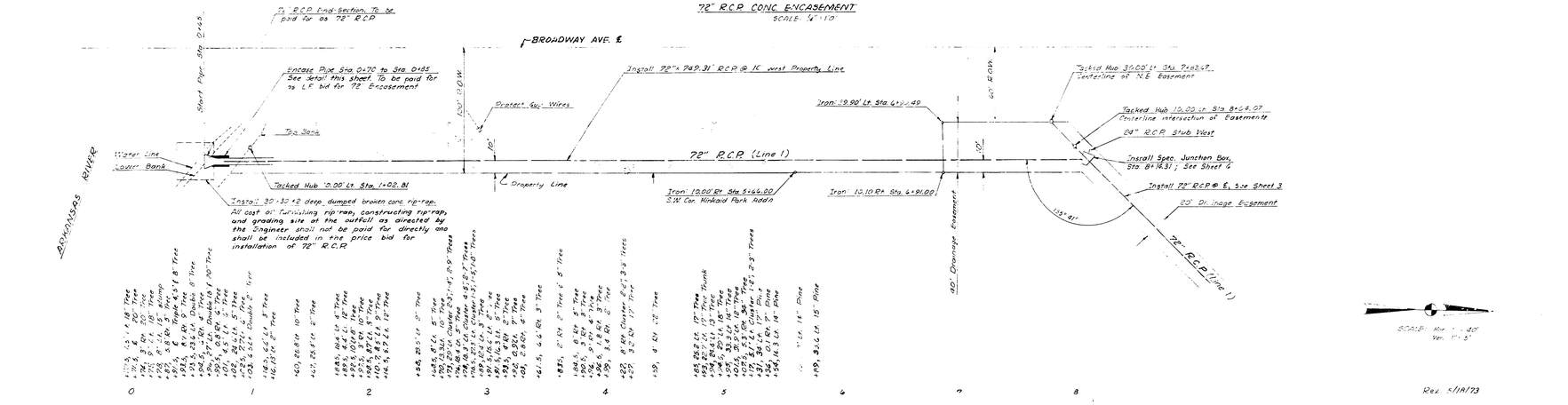
DATE: ---27, 1973

S.W. 123.16 N. cur. W. side base to E. handrail @ N. End conc. Viaduct Bridge on South Broadway

S.W. 98.44 W. R.R. spike E. side Transformer 3' on E. side Broadway across from 2421 S. Broadway

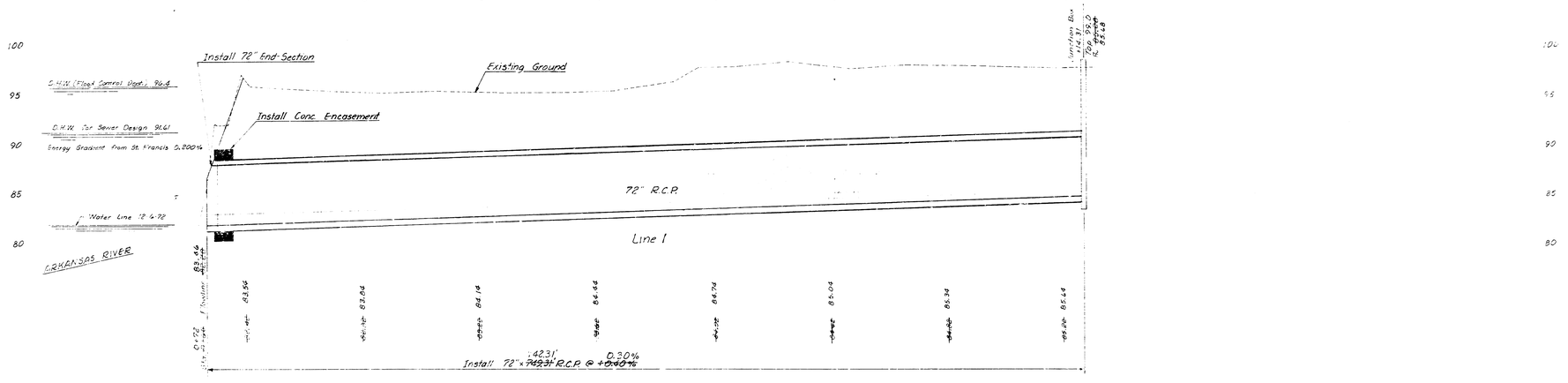


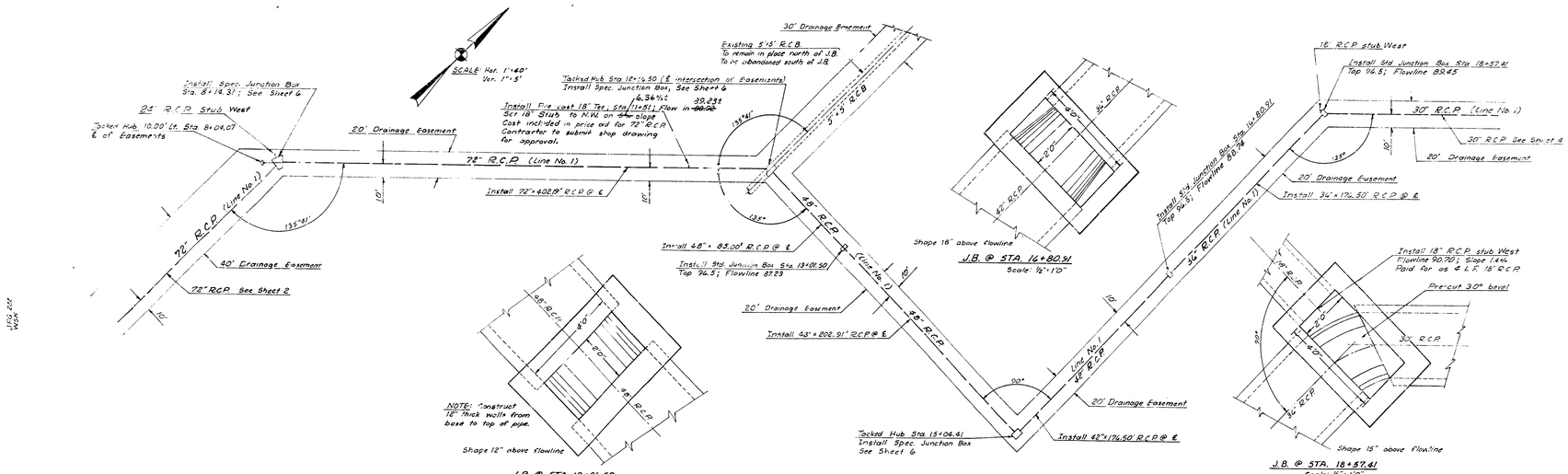
72" R.C.P. CONC. ENCASEMENT
SCALE: 1/4" = 1'-0"



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

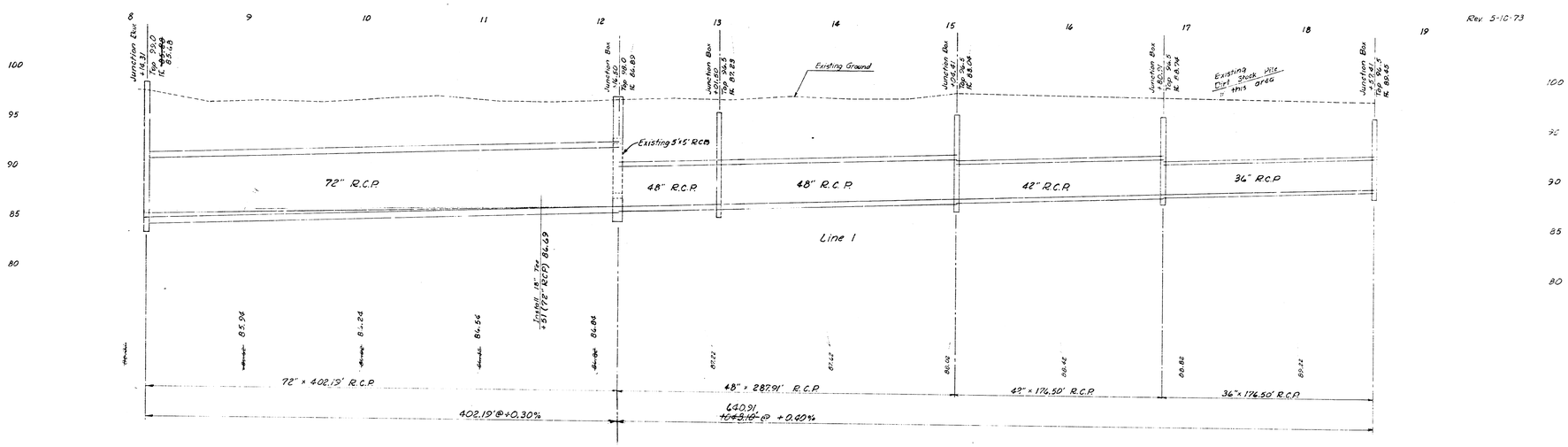
Rev. 5/11/73





LINE 1

Rev. 5-10-73



STORM WATER SEWER NO. 101

Project No. DBKA 572075

Brace to Valve Fixture
See Det. for Brace

J.B.@ STA. 20+78.03
Scale 1" = 5'

Jacked Hub on Property Line @ Sta. 23+44.39

Install Sta 2'x5' Inlet, Sta 23+76.46
Top 94.93; Flowline 90.07

Connect to Existing Manhole, Sta. 25+33.44
Top 96.54; Flowline 90.15

PAWNEE AVE E.

18" S.W.S.

24" S.W.S.

Remove & Replace 30 S.Y. Conc. Hwy.

LINE 1A

18" R.C.P.

Line 1A

30" San. Sewer

Install 18"x433' R.C.P.

Point of Ex. Curb
Back of Street Curb
& Cond. Walk

(Line 1A)
18" R.C.P.

PROPERTY LINE

Install 24"x 27.33 R.C.P. @ E (Line 1A)

Remove & Replace Asphalt Drive

Install Std. 2'x5' Inlet, Sta 24+73.33; Top 94.50; Flowline 90.19

(Install 18"x96.47' R.C.P. @ 7.25% north of Property Line

from 105' Rt. Sta. 23+83.33
(Rt. edge of 20' Easement)

20' Drainage Easement

Install Sta. Junction Box on 24"x18" R.C.P. Line 1A
Sta. 22+71.71 Inv. El. 85.71

Lot 3, Pinkard Park Add'n

24" R.C.P.
Line 1

8" VCP stub

Jacked Hub Sta. 22+49.03
Install 3rd. Junction Box (Line 1)
Top 94.5; Flowline 89.92

Install 24"x171.00' R.C.P. @ E

20' Drainage Easement

Install 30"x 220.62' R.C.P. @ E

30" R.C.P.

Sta 23+76.46

Dre-cut 30° (typ.)

Shape 12" above Flowline

Install 8" VCP stub
Flowline 93.2
Slope 1.0%
(not included with J.B.)

Dre-cut 45° bevel

Shape 24" above Flowline

Sta 24+73.33

Shape 24" above Flowline

Scale 1" = 10'

J.B. @ STA 22+42.03

STD. 2'x5' INLET @ STA 23+76.46

STD. 2'x5' INLET @ STA 24+73.33

NOTE Line 1 extends to include J.B. @ Sta 22+49.03
Line 1A includes 24" R.C.P. unit prior to J.B. @
22+49.03 and extends to Sta. 21+34.18

Starts Junction Box Sta. 21+57.41
For detail see Sheet 3

30" R.C.P.

18 19 20 21 22 23 24 25 26

Rev. 4-5-73

Junction Box
Sta 21+57.41
Inv. El. 85.71

Existing Dirt Slope in this area

Junction Box
Sta 22+71.71
Inv. El. 85.97

Existing Ground

Junction Box
Sta 22+93.15
Inv. El. 89.38

Std. 2'x5' Inlet
Sta 23+76.46
Inv. El. 90.07

Std. 2'x5' Inlet
Sta 24+73.33
Inv. El. 90.19

Inv. El. 90.15

6" Gas
18" H.P. Gas

100
95
90
85
80

30" R.C.P.
24" R.C.P.
24" R.C.P.
18" R.C.P.
18" R.C.P.

Existing 36" VCP

Line 1 Line 1A

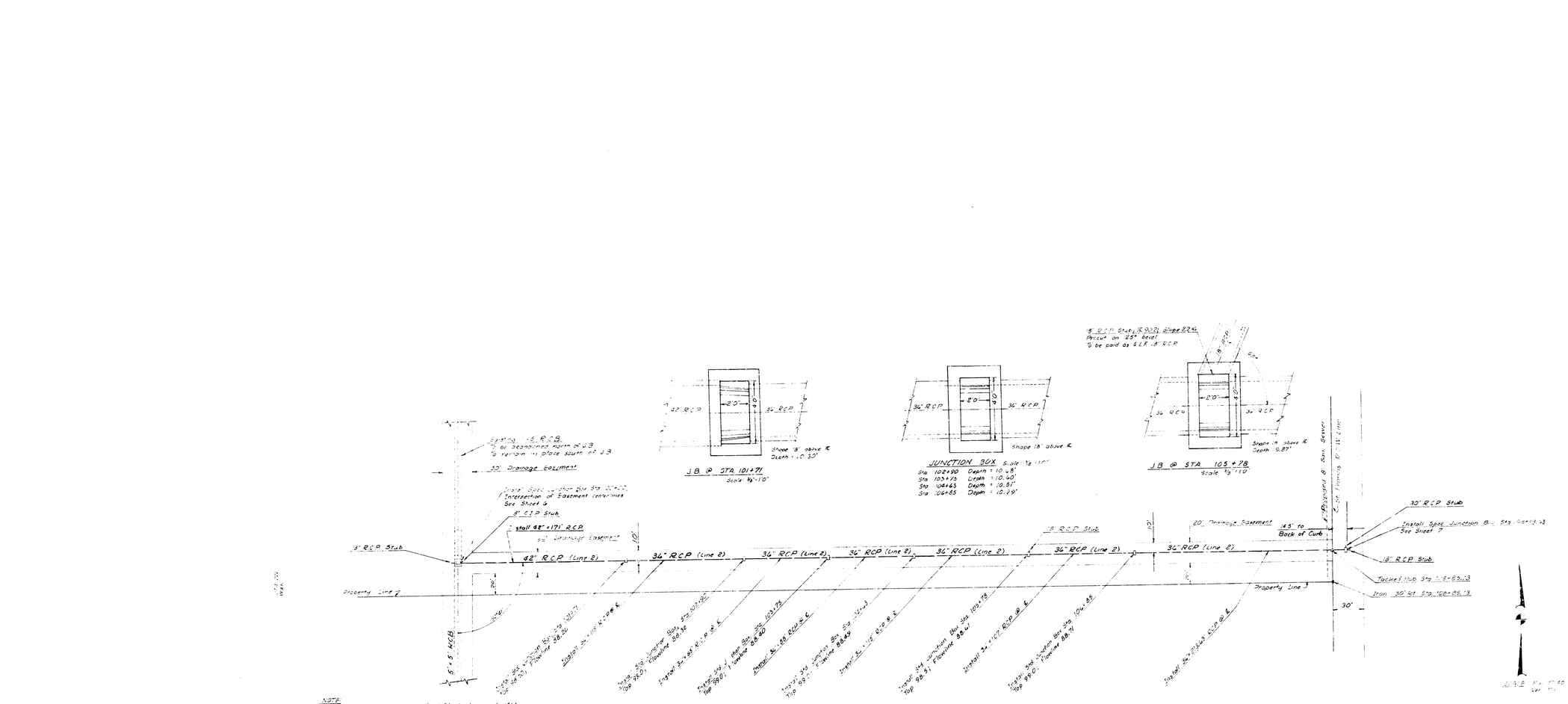
89.50 89.50 89.74 89.84 89.98 90.10

30" x 220.62' R.C.P.
24" x 292.33' R.C.P.
18" x 157.00' R.C.P.

615.92' @ +0.12%
60.33' @ +3.25%

STORM WATER SEWER NO. 101 Sheet 4 of 7

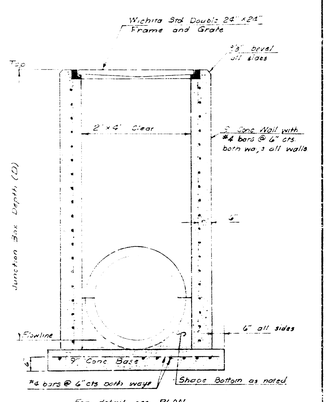
Project No. DEHA 572075



NOTE:
Line from River to Sta. 12+46.50 to be constructed and all water from existing 5'x5' RCB bypassed thereto before altering existing box at Sta. 130+00.

STORM WATER SEWER NO. 101

Project No. DBHA 578075



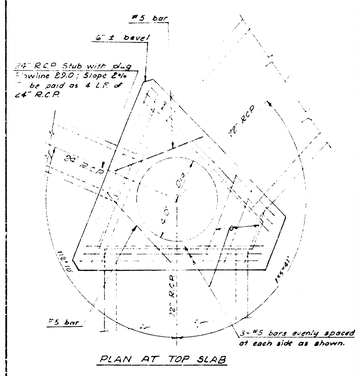
For detail see PLAN

TYPICAL SECTION STD. JUNCTION BOX

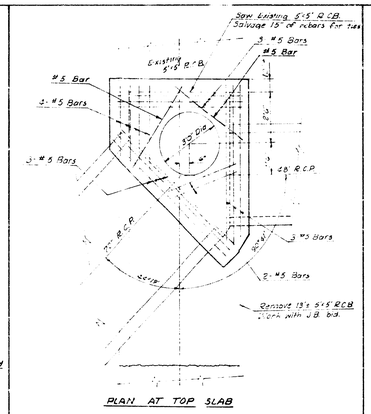
Scale: 1/8"=1'0"

Standard Junction Box, regardless of depth, to be bid at one price as "Std. Junction Box"

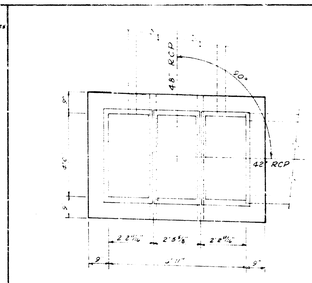
All reinforcing steel placement 6" from outside of boxes.

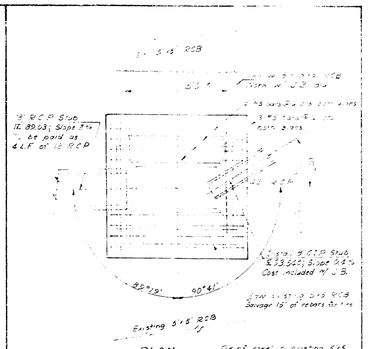


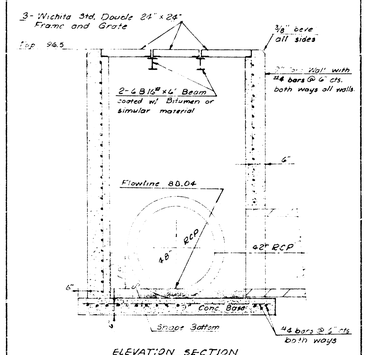
PLAN AT TOP SLAB

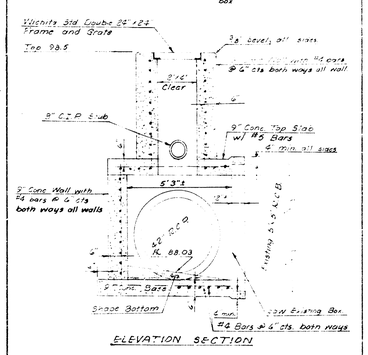


PLAN AT TOP SLAB



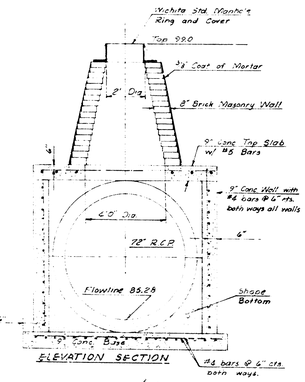


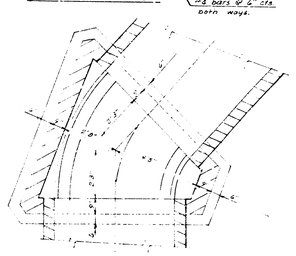




SPEC JUNCTION BOX @ STA. 100+00

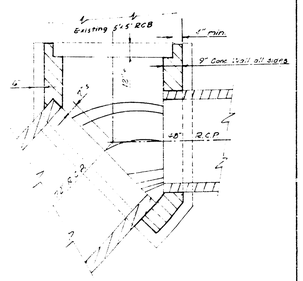
Scale: 3/8"=1'0"



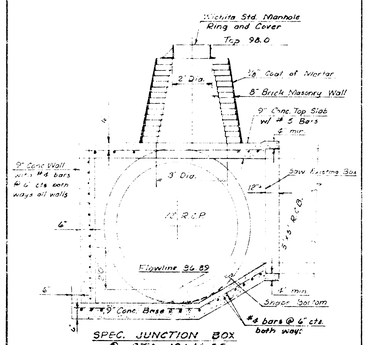


SPEC. JUNCTION BOX @ STA. 8+16.31

Scale: 3/8"=1'0"

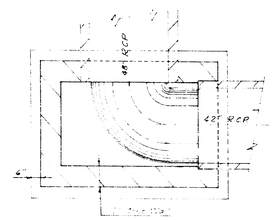


Paint steel in existing 5'-5" box to extend into junction box



SPEC. JUNCTION BOX @ STA. 12+16.50

Scale: 3/8"=1'0"



SECTION THRU PIPES

SPEC JUNCTION BOX @ STA. 15+04.61

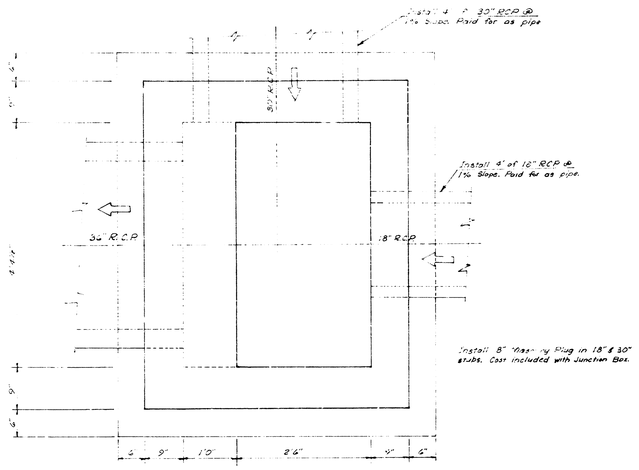
Scale: 3/8"=1'0"

GENERAL NOTES:

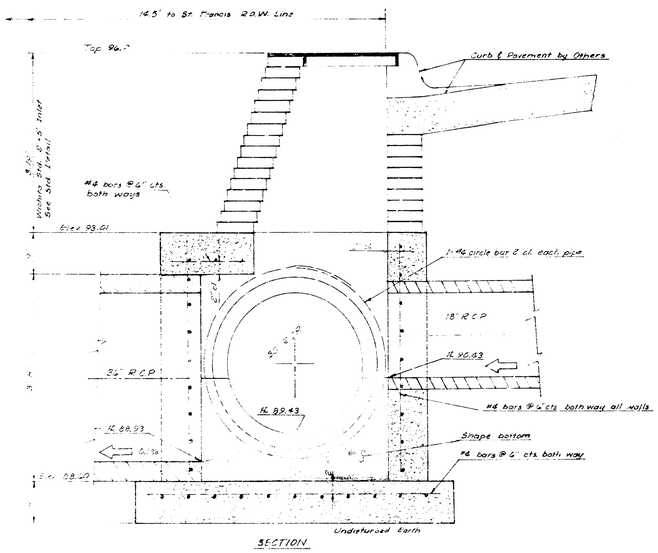
All concrete (except mortar) = 6 sack mixing min.

The concrete base to be constructed on undisturbed earth.

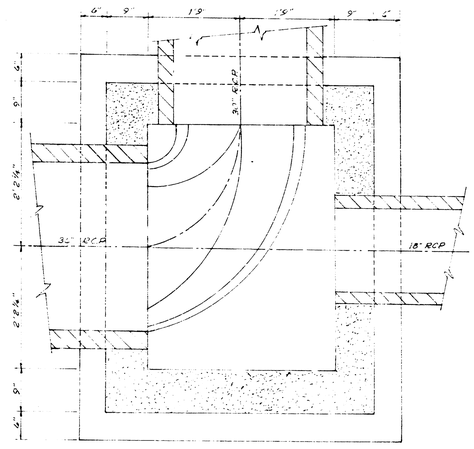
STORM WATER SEWER NO. 101 Sheet 6 of
Project No. DBKA 572075



PLAN WITHOUT INLET



SECTION



PLAN SECTION THRU JUNCTION BOX

JUNCTION BOX @ 108+98.43
Scale 1"=1'0"