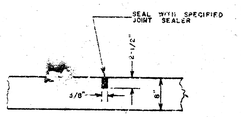
TWENTY-NINTH STREET NORTH

WL. ARKANSAS AVENUE TO WL. BROADWAY AVENUE

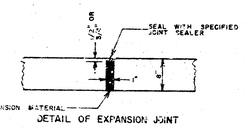
PROJ. NO. DAKM 58:05
CITY OF WICHITA, KANSAS
R. W. LINN, CITY ENGINEER

SAWED CONTRACTION JOINTS ARE TO BE CONSTRUCTED AT 30' 0" INTERVALS EXCEPT WHERE AN EXPANSION JOINT IS USED.

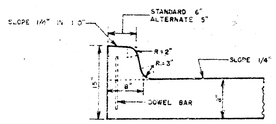


DETAIL OF SAWED CONTRACTION AND LONGITUDINAL JOINTS

EXPANSION JOINTS ARE TO BE CONSTRUCTED AT MAXIMUM INTERVALS OF 120' 0".



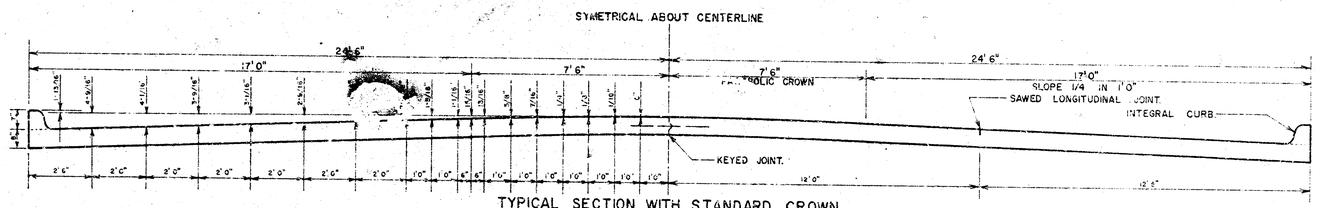
DETAIL OF EXPANSION JOINT



DETAIL OF INTEGRAL CURB

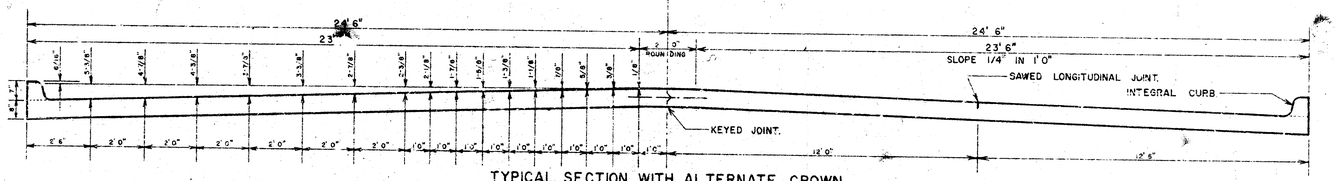
INTEGRAL CURB SHALL BE CUT THROUGH TO THE PAVEMENT IN UNIFORM LENGTHS OF NOT MORE THAN TEN FOOT INTERVALS BETWEEN EXPANSION JOINTS. EXPANSION JOINTS HAVING THE SAME THICKNESS AS THE EXPANSION JOINTS IN THE PAVEMENT SHALL BE CONSTRUCTED IN THE INTEGRAL CURB AT THE SPECIFIED LOCATIONS. NUMBER 4 OR NUMBER 5 DOWELS SHALL BE INSTALLED IN THE INTEGRAL CURB AS SHOWN ON APPROXIMATELY 2' 6" CENTERS. PAVEMENT GRADES SHOWN ON PLANS ARE FOR STANDARD CROWN.

SYMETRICAL ABOUT CENTERLINE

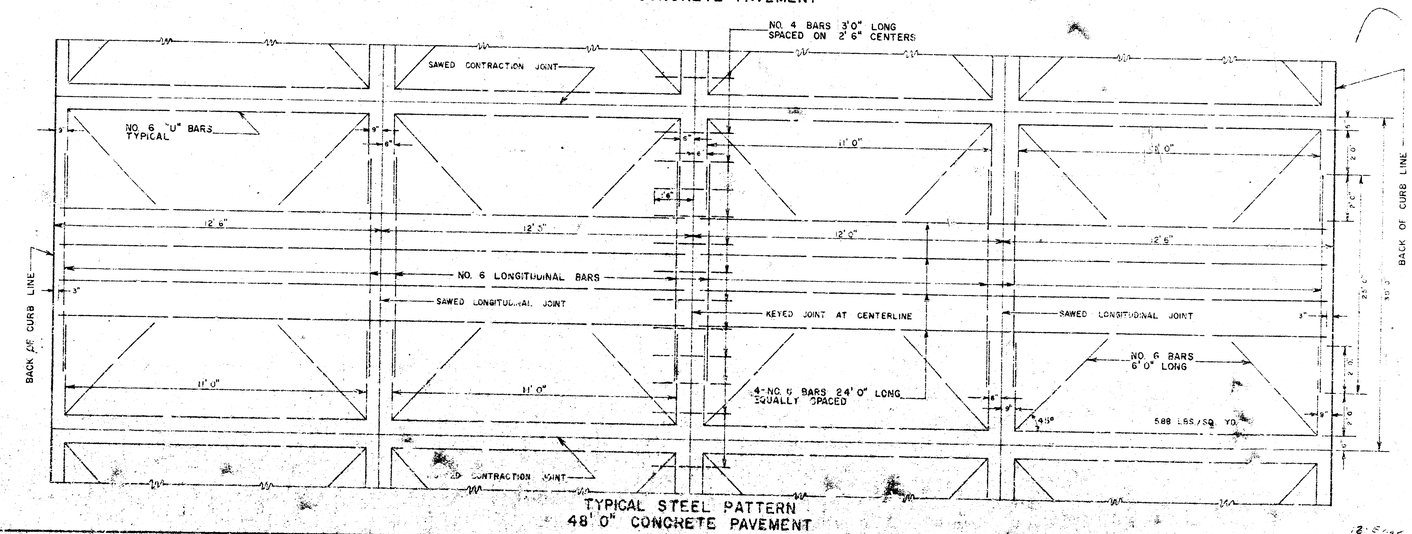


TYPICAL SECTION WITH STANDARD CROWN
48' 0" CONCRETE PAVEMENT

SYMETRICAL ABOUT CENTERLINE



TYPICAL SECTION WITH ALTERNATE CROWN
48' 0" CONCRETE PAVEMENT



TYPICAL STEEL PATTERN
48' 0" CONCRETE PAVEMENT

B.M.-1230± Top Thimble ℄ 29TH AND ARKANSAS

BASE LINE IS 15.0' NORTH OF SECTION LINE

SCALE 1"=20'

-0.250 %
+2.10 Mk.

-0.241 %

-0.180 %
+0.10 Mk.

-0.200 %
+0.40 Mk.

0+00 0+50 1+00 1+50 2+00 2+50 3+00 3+30 3+60 4+00 4+50 5+00

2+40 2+70 3+00 3+50

AVENUE

ARKANSAS

JACKSON

Construct Asph. Overlay.

Match Bldg. Face

Match Curb & Gutter

Match Walk

Match Drive

Proposed 4' Sidewalk

Gravel Parking

Brick Bldg.

Concrete

Valley Gutter

Valley Gutter

Valley Gutter

Valley Gutter

Proposed 4' Sidewalk

Proposed 4' Sidewalk

Proposed 4' Sidewalk

Proposed 4' Sidewalk

Worked & section

Old Crown

Old Crown

Old Crown

B.M. 12819 "X" E. End of Bridge. South Side. Cor JACKSON & FAIRVIEW

N

- 0.26 1/2 % f 0.10 mk.

f 0.41 7/8 % f 0.10 mk.

- 0.375 % f 0.10 mk.

5:00 5:50 6:00 6:50 6:85.18 7:67.5 8:00 8:50 9:00 9:50 10:00 10:50 11:00

Pl. El=12.70

40' Vertical Curve

120' R/W

CANYON

7180.0

Note - Sta. 8+20 - 11+00. Field Engr. & Contractor to confer & obtain owner's approval as grading will be necessary & new ditch behind R. Engr. to establish and quantities to be included in C.Y. excav. total.

Proposed 4' Sidewalk

Rem. & Repl. Dr.

Rem. & Repl. Dr.

Rem. & Repl. Dr.

Proposed 4' Sidewalk

Proposed 4' Sidewalk

Proposed 4' Sidewalk

29TH

STREET

"Caution" Shallow underground utilities.

Existing Bridge Slab

Match Existing Bridge Slab

Excavation for Bridge Seat

Excavation for Bridge Seat

Excavation for Bridge Seat

Excavation for Bridge Seat

5" Walk

5" Walk

5" Walk

5" Walk

Curb Stack T.C. =

Curb Stack T.C. =

Curb Stack T.C. =

Curb Stack T.C. =

Burke T.V. Insp.

(1)

(2)

(3)

(4)

(5)

(6)

(7)

(8)

(9)

(10)

(11)

(12)

(13)

(14)

(15)

(16)

(17)

(18)

(19)

(20)

(21)

(22)

(23)

(24)

(25)

(26)

(27)

(28)

(29)

(30)

(31)

(32)

(33)

(34)

(35)

(36)

(37)

(38)

(39)

(40)

NOTE: FIELD ENGINEER TO TAKE TIES TO ½"ø COA IRON RODS TO CONSTRUCTION. REPLACE IRON AND INSTALL THINGLE IN PAVEMENT.

B.M. = 1881.9 "M" IN MUELLER FIRE HYDRANT, S.W. COR. 29TH AND WELLINGTON PL.

N

-0.375 %
+0.10 mk.

-0.844 %
+0.10 mk.

+0.220 %
+0.10 mk.

-0.197 %
+0.10 mk.

PC. El. 125.80 PT.
50' vertical curve

11:00 11:50 12:00 12:50 12:68.25 12:98.25 13:28.25 13:50 14:00 14:50 15:00 15:50 15:86.25 16:12.05 16:42.05 17:00

Proposed 4' Sidewalk

Full Crown

Remove Existing Curb Inlet

Remove Existing Curb & Gutter

Remove Existing Asphalt

Remove Existing Concrete Pavement

Remove Existing Concrete Pavement & Curb

Remove Existing Curb & Gutter

Remove Existing Curb Inlet

Remove Existing Asphalt

B.M.: 128.81 "M" in Mueller Fire Hydrant S.W. Cor MARKET & 29TH.
B.M.: 126.74 "X" on Phone Stand S.W. Cor PARK PLACE & 29TH

-0.197%
-0.10 wk.

+0.276%
+0.10 wk.

+0.833%
+0.10 wk.

17:00 17:50 18:00 18:50 18:35.65 19:25.65 19:35.65 20:00 20:50 21:00 21:50 22:09.25 22:19.25 22:29.25

PARK PLACE

Proposed 4' Sidewalk

18th Crown

Asphalt Parking

Proposed 4' Sidewalk

20' CROWN

Rem. Repl. wk.

rolled gutter

29TH STREET

Seg. Warped & Grades

Street E/W Declivities

Grill Crown Match Existing

C18-104

Match existing wk.

Match Existing Pavt.

Proposed 4' Sidewalk

MARKET

18:30.85 19:10.85 19:40.85 21:85.85 22:15.85 22:45.85

+0.60 wk. Grad wk +0.6 to 10.4 10.4 wk.

-0.207%

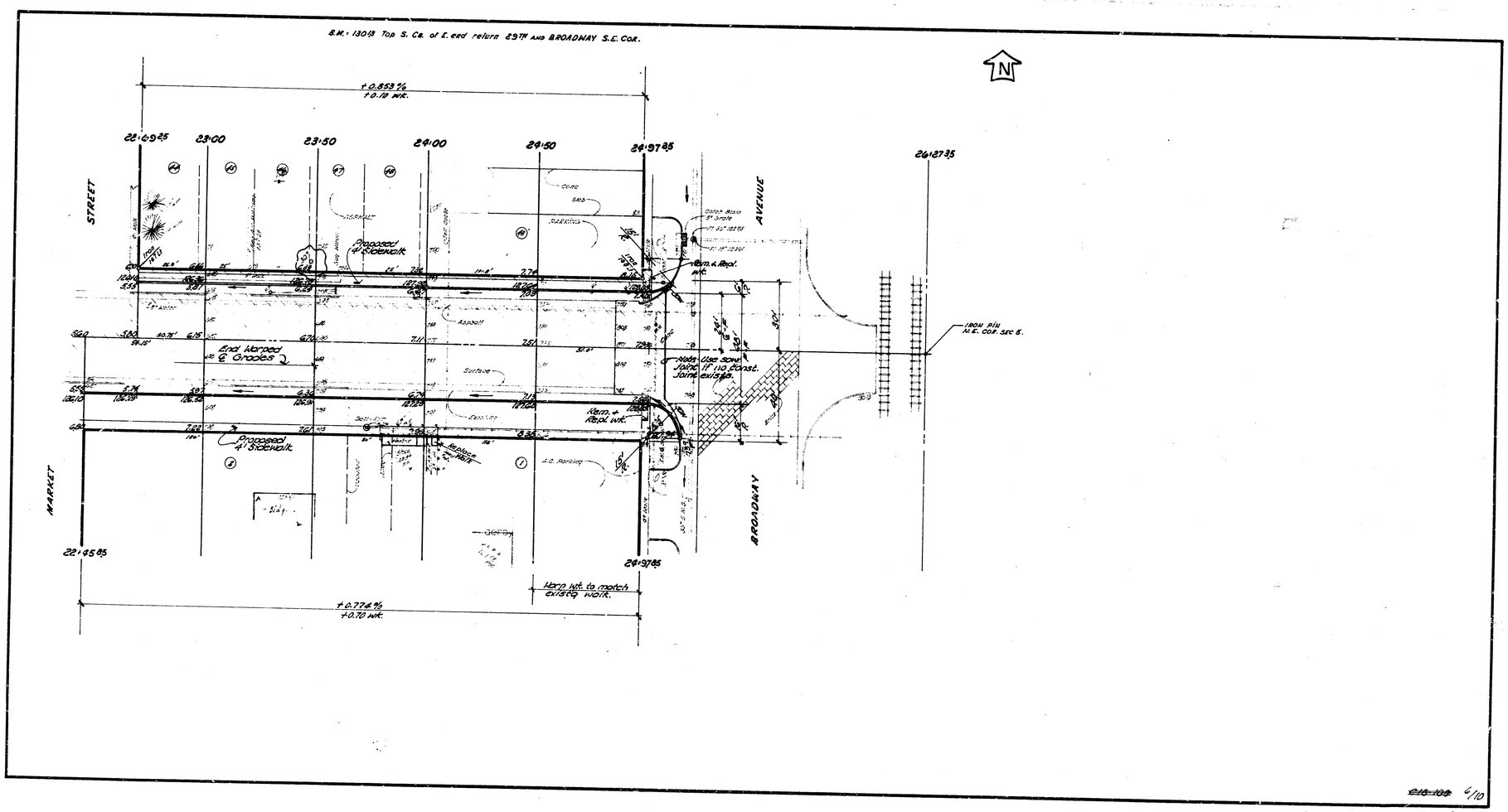
+0.282%
+0.40 wk.

+0.774%
+0.70 wk.

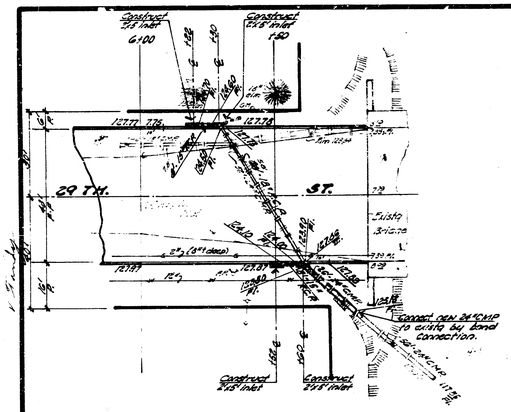
DATUM SAME AS C18-104 5/10

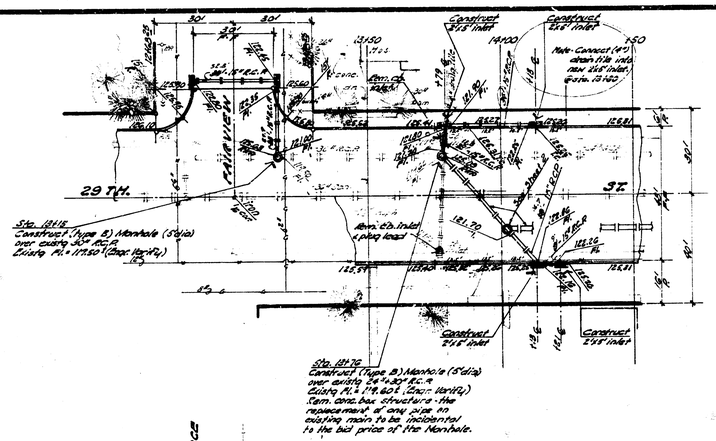
Revised 5-9-46 Saal

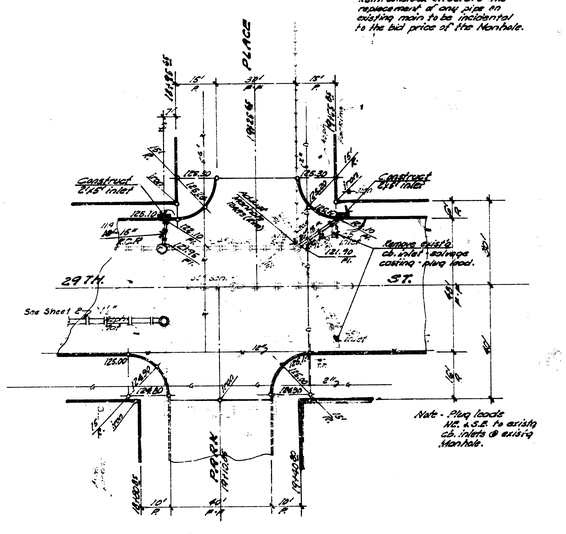
B.M.: 130.13 Top S. Ca. of E. end return 29TH and BROADWAY S.E. COR.



6/10







B.M. 128.16 "X" Bend of bridge - South side - betw. Jackson & Fairview.

B.M. 128.10 "M" in Mueller - Fire Hyd. - S.W. Cor. 28th. & Wellington Pl.

B.M. 123.51 "X" on phone stand - S.W. Cor. Park Pl. & 28th.

"General Notes"

1. Sandfill & Flush all Leads
2. Salvage ab. inlet castings
3. plug all abandoned leads
4. Use caution crossing shallow utilities.
5. Exist'g pavt. consists of variable thickness asph. mat'l on gravel sub-grade.
6. Engr. to verify all exist'g Pl. lines prior to const.

"INCIDENTAL DRAINAGE"
in connection with 29TH. ST. REST - Arkansas to Broadway

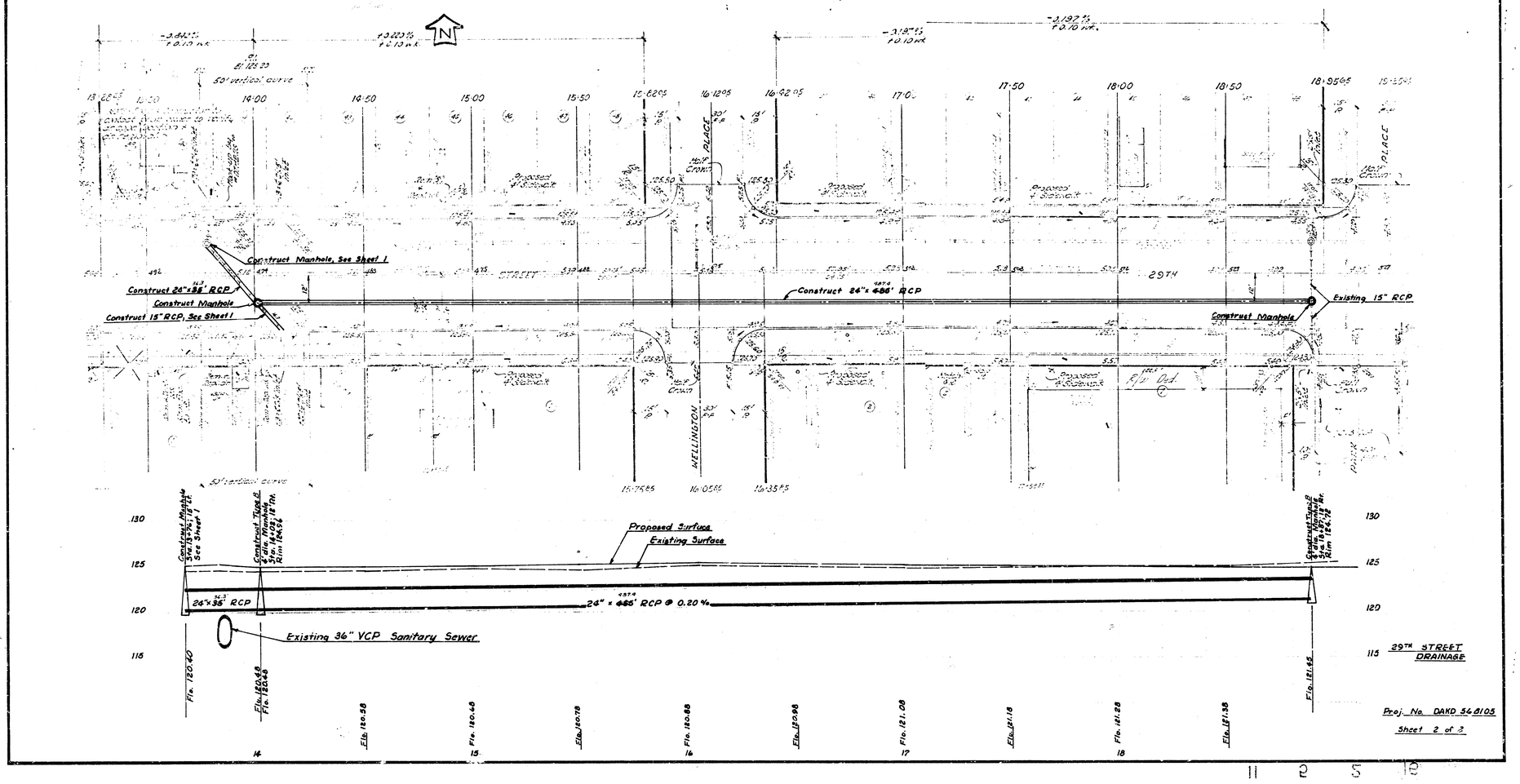
City of Wichita, Kansas

R.H. Linn — City Engineer

Date: April 1974 — Proj. No. DAK0568105

Sheet 1 of 2

11 2 5 (1e)


-3.44%
F.O. 13 in.
F.O. 13 in.
-3.18%
F.O. 10 in.
-3.197%
F.O. 10 in.
N
13+25.05
L.C.D.
14+00
14+50
15+00
15+50
15+62.05
16+12.05
16+62.05
17+00
17+50
18+00
18+50
18+95.65
19+25.65
Curve Data
Δ= 6°-25-23
50' vertical curve
Proposed Catch Basin to be Installed
Proposed 4' Sidewalk
Install Curb Inlet
Install Curb Inlet
Proposed 4' Sidewalk
Proposed 4' Sidewalk
Install Curb Inlet
Proposed 4' Sidewalk
Proposed 4' Sidewalk
Proposed 4' Sidewalk