TWENTY-NINTH ST. NORTH

E. L. BROADWAY AVE. TO 610' E. OF E. L. OHIO AVE.

48' AND CURB, 9" CONCRETE

CITY OF WICHITA, KANSAS

R. W. LINN – CITY ENGINEER

DECEMBER 1971, PROJECT NO. DAK M 5 66024

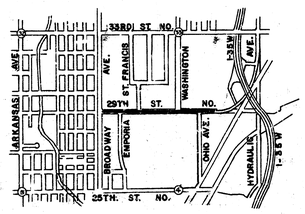
URBAN RENEWAL AGENCY - NORTH INDUSTRIAL PARK KANSAS R-21

ECONOMIC DEVELOPMENT ADMINISTRATION PROJECT NO. 05-1-01078

SHEET INDEX

SHEET NUMBER	DESCRIPTION
1	Project Title, Location map
2-9	Pavement construction detail sheets
10-11	Construction detail sheets
12-18	Cross-section sheets
19	Inlet and manhole detail sheet
20-25	Storm water sewer construction detail sheets

N



MARCH 1978

1/25

TWENTY-NINTH ST. NORTH
E. L. BROADWAY AVE. TO 610' E OF E. L. OHIO AVE.
PROJECT NO. DAK M 566024

Survey A.R.
Plan J.R.W.
Est. sur No
Checked

T. P. B. M. 123.80 Step B. M. S. S. E. Pole of H. Frame N. S. Front Quality Castings.

B. M. 130.13 Top S. cb. of E. End Return 29th & Broadway S.E. Cor.

D.L.K. 93

NOTE: Signs to be relocated as directed by the Engineer. This work to be paid for by bid price of "Signs relocated".

B. M #2 129.36 R.R. Spk. S-face Telephone Pole 3780 36° L (51° N. E).

1" = 20'

Sta. 11+18.30 East high edge Beg Project.

Match Expl. Pavement.

NOTE: Remove, exist. inlet and Reconst. State Type Inlet.

6(a) 1+46.0 End Ret. End Header.

Sta. 3+32.0 Beg. header Beg cur b

Sta. of N. edge of Pavement

0+43.38

1+18.38

1+72.88

3+28 3+50 3+75 4+00 +25 +50 5+00 +50

P.I. N.O' V.C. elev. 128.90 cb 128.30 Flo

P.C. P.I. 50' V.C. elev. 128.80 cb 8.25 Flo P.T.

-0.3358% to +0.07% to 0.0% PVI

-0.2143% to +0.4% PVI

Gravel drive

7' Chain Lk. Fnc.

18" gutter

Rock Island R.R. Co.

Yard light

322' E. of ℄ Broadway Ave.

6" H.P. Gas line

℄ ditch

8" Water line

Exist. 36" San. Sewer

29TH ST. NO.

Section line

S. W. Fnc.

Access Control except for 2 openings Sta. 3+19.38 to Sta. 3+49.38

Asphalt over brick

Match

Traffic Light & Sig. Std.

N. W. Signal Light

Contact Reinforcement

Cross

Concrete

Mail box

Power Line

Tele. Line

Tele. pole, Cable Riser

Gas Conn. Sta. (Gas Dept. Cont. Co.)

Sta. of S. Edge of Pavement

P.I. N.O' V.C. Elev. 128.90 cb 128.30 Flo

P.C. P.I. P.T. 50' V.C. elev. 128.80 cb 8.25 Flo

4+49.38

3+49.38

BROADWAY

NOTE - Field Engr. to take ties to all iron & stakes and replace.

Excavation
9,050 Cu. yds
+10% 905
9,955 Cu. yds

Compacted Fill
615 cu. yds
+10% 62
677 cu. yds

Cement treated Sub-grade

Iron on Sec. cor. Sta. 17+72.88 31.65' SW to "+" 3' W. of end of cb; 88.98' NW to "+" 3' W of end of cb.

D.L.K. 94

Revised April 25, 1972

2/38

TWENTY-NINTH ST. NORTH

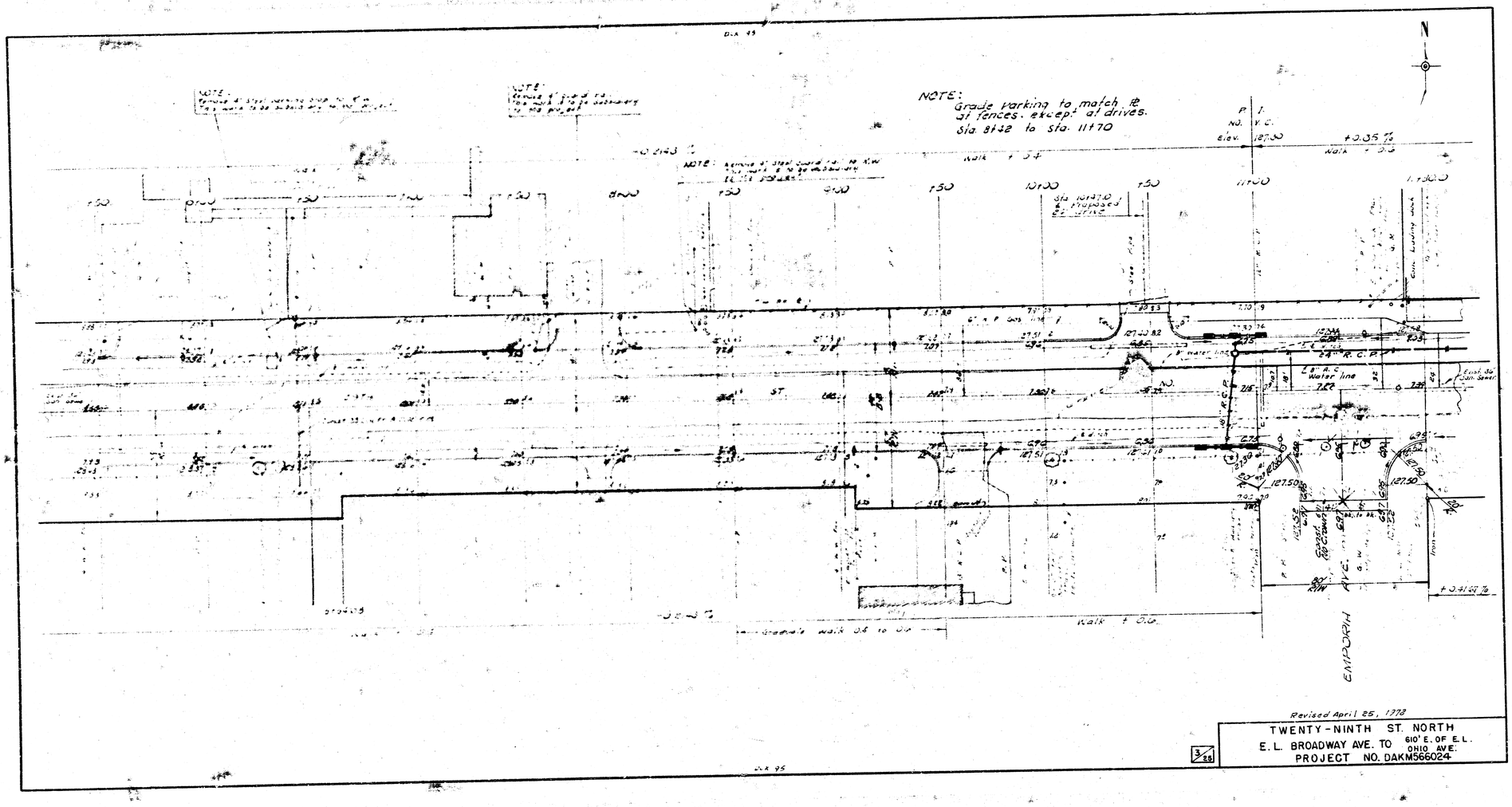
E.L. BROADWAY AVE. TO 610' E. OF E.L. OHIO AVE.

48' & CURB, 8" CONCRETE

CITY OF WICHITA, KANSAS

R. W. LINN — CITY ENGINEER

DEC. 1971 PROJECT NO. DAKM566024


NOTE:
Grade parking to match fr. at fences, except at drives.
Sta. 8+52 to Sta. 11+70
N
Revised April 25, 1972
TWENTY-NINTH ST. NORTH
E.L. BROADWAY AVE. TO 610' E. OF E.L. OHIO AVE.
PROJECT NO. DAKM566024
3/28

B. M. 1313e. SW cor. conc. loading dock on E. side Air Induction

Tie to iron Sta. 13+83.0 @ 29th St. (3' deep) 40' SW to nail & washer on R.R. Switch 109' SW to Sw. cor. Bldg. 9.65' NW to SW cor. loading dock 60.30' NW to "+" cut on conc. slab 30' to Tel. Pole.

B. M. "S 127.31 60 penny nail Step Bench, S. face End P.P. E. of St. Francis N. Side 29th.

N

ST. FRANCIS AVE.

EMPORIA AVE.

KNIGHTH TERMINAL ASSOCIATION

Sta 14+60 Beg U.R.A. Project

NOTE:
Sign "a" be relocated as directed by the Engineer. This work to be paid for by bid price of "Signs relocated"

Revised April 25, 1973

TWENTY-NINTH ST. NORTH
E. L. BROADWAY AVE. TO 610' E. OF E.L. OHIO AVE.
PROJECT NO. DAKM566024

4/28

Bk. 93

N

Graduate walk 0.8 to 0.6

-0.20 %

WK. + 0.6

+0.2205 %

WK. 1.0.6

13+00 | +50 | 14+00 | +50 | 20+10 | +50 | 21+00 | 21+50 | 22+00 | +50 | 23+00

P NO E.C.V. 2509 | P I V.C.

36" R.C.P. | 36" R.C.P. | 6" A.C. water line | 36" R.C.P. | 8" A.C. water line | Excel. SE. San. Sewer

29TH ST. | NO. 630

Sec. line

Excel. SE. San. Sewer

-0.2093 %
+0.6 WK.

+0.2245 %
WK. + 0.6

P I
NO V.C.
5184 126.10

21+77.26 | 22+32.26 | 22+87.26

No crown

70'

R = 35'

TC 124.72 FG 126.71

TC 126.72 FG 126.72

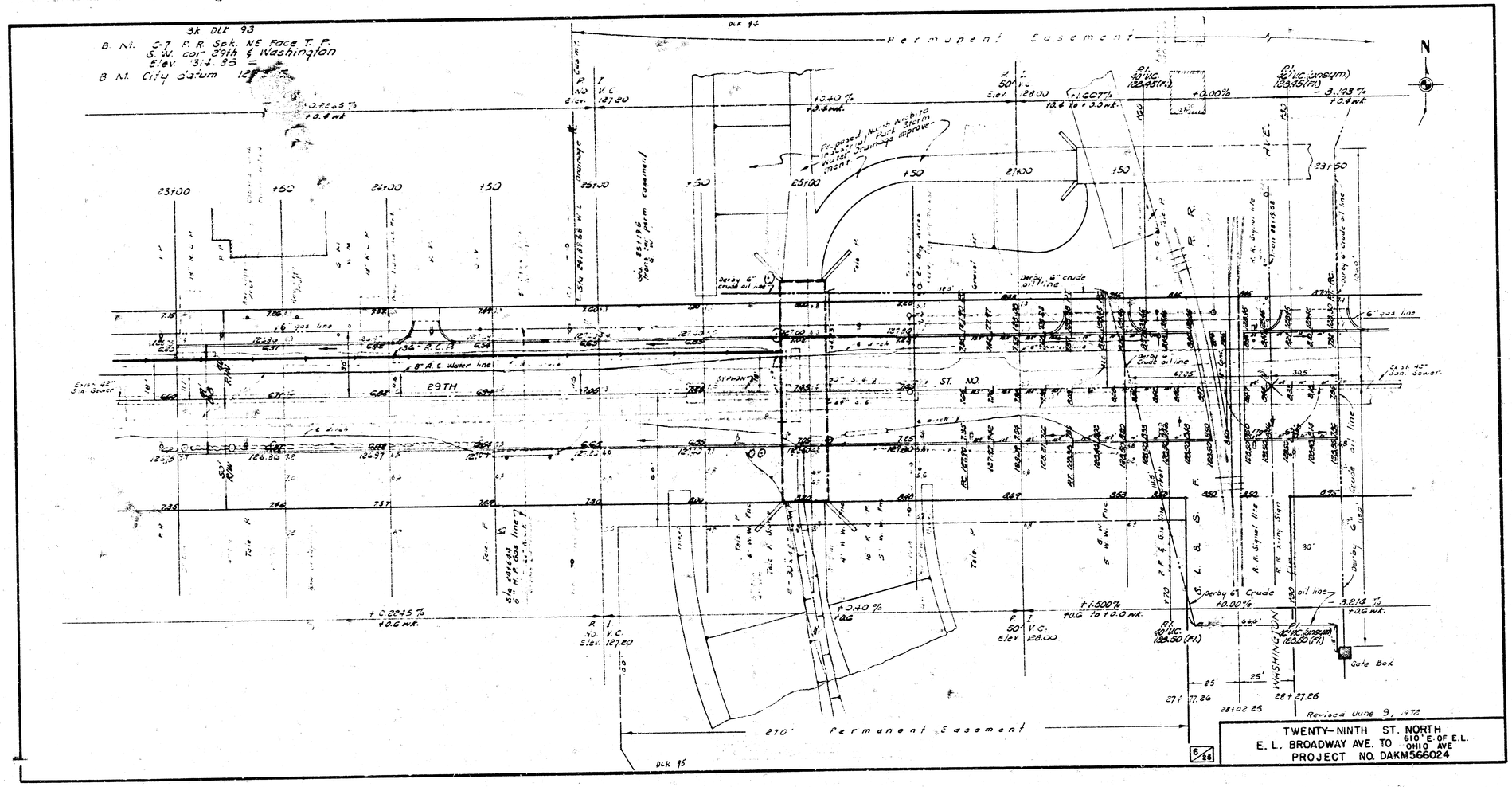
NEAD AVE.

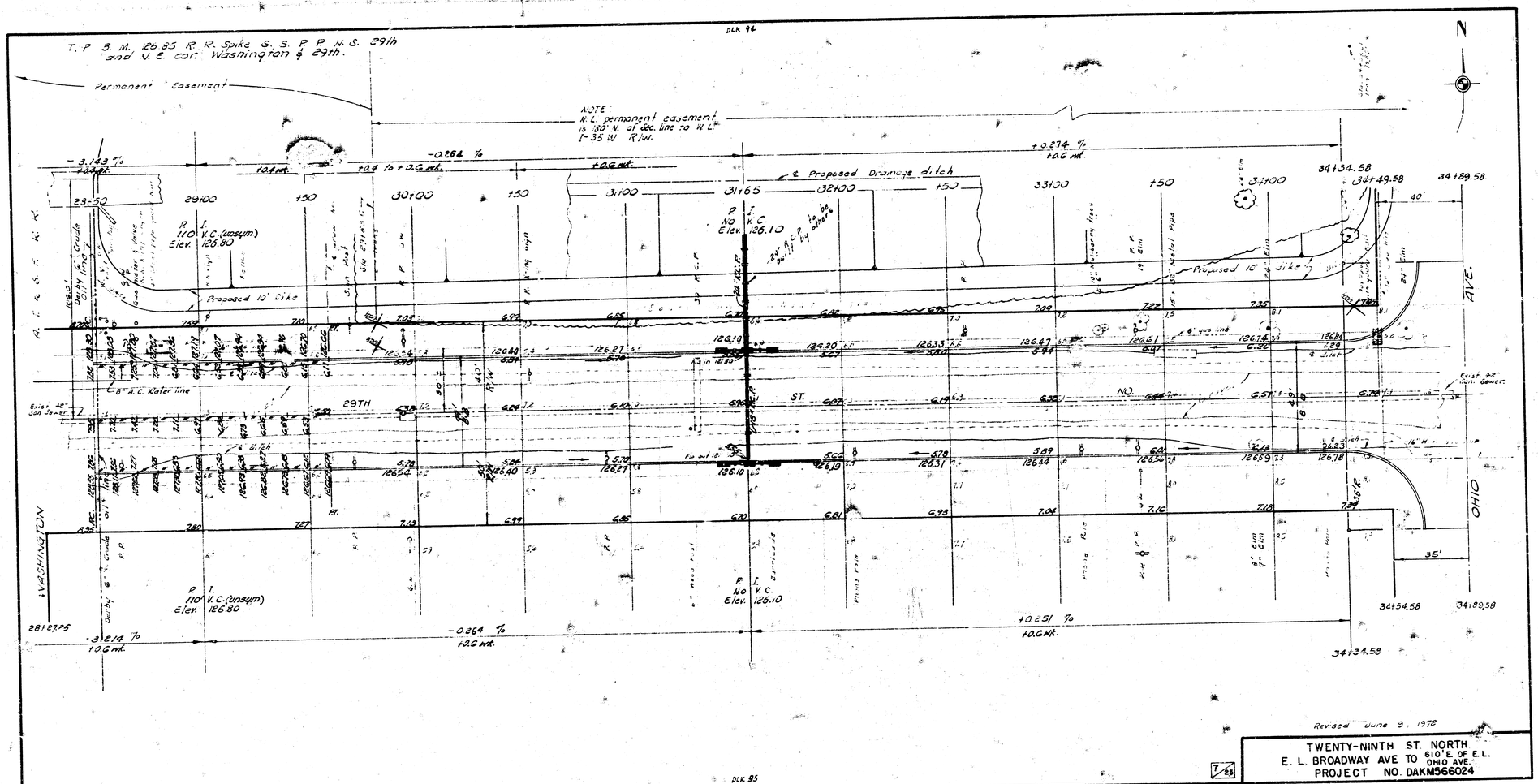
Revised June 9, 1972

TWENTY-NINTH ST. NORTH
E.L BROADWAY AVE. TO 610' E. OF E.L. OHIO AVE.
PROJECT NO. DAKM566024

5/25

DLK. 95


3k DLK 93
B. M. C-7 R.R. Sek. NE Face T.P.
S.W. cor. 29th & Washington
Elev. 314.95 =
B.M. City datum 12[illegible]
DLK 94
Permanent Easement
N
23+00
+50
24+00
+50
25+00
+50
27+00
+50
23+50
29TH
ST. NO
WASHINGTON
Proposed North Highland Park Storm Relief Storm Drainage Improvement
Derby 6" crude oil line
6" gas line
8" A.C. Water line
Gate Box
Revised June 9, 1972
270' Permanent Easement
DLK 95
TWENTY-NINTH ST. NORTH
E. L. BROADWAY AVE. TO 610' E. OF E.L. OHIO AVE.
PROJECT NO. DAKM566024


T. P. 3. M. 12035 R. R. Spike S. S. P. P. N. S. 29th and N. E. cor. Washington & 29th.
DLK 96
Permanent Easement
NOTE N. L. permanent easement is 180' N. of ℄ line to N. L. I-35 W R/W.
-3.143 % +0.0 Gr.
-0.264 % +0.0 to +2.0 Cmt.
+2.0 Cmt.
+0.274 % +0.0 Gr.
Proposed Drainage ditch
29+50
29+00
30+00
31+00
31+65
32+00
33+00
34+00
34+34.58
34+49.58
34+89.58
40'
P. I. No. 110' V.C. (unsym.) Elev. 126.80
P. I. No. V.C. Elev. 126.10
Proposed 10' Dike
Proposed 10' Dike
29TH ST.
NO. 34TH AVE.
WASHINGTON
OHIO
8" A.C. Water line
Exist. 48" San Sewer
Exist. 30" Conc. Sewer
35'
28+27.75
34+54.58
34+89.58
-3.614 % +0.0 Gr.
-0.264 % +0.0 Gr.
+0.251 % +0.0 Gr.
DLK 95
Revised June 9, 1978
TWENTY-NINTH ST. NORTH
E. L. BROADWAY AVE TO 610' E. OF E.L. OHIO AVE.
PROJECT NO. DAKM566024
7/28

B. M. 2606 R. R. Spike N. S. Tele Po.: S.E. 29th & Ohio.

B.M. 2690 R. R. Spk N-face Tele pole S.E. cor. 29th & Ohio.

T.S.S. TO R.O.W. 31.0' ℄ 29th and 3' Highway 70.30' S.E. to ℄ of R.W. marker. 0.3 S.E. to nail in washer in N. face of P.P. 54.37' N.E. to nail in washer in S. face P.P.

NOTE: See sheet No. 9 for horizontal curve data.

NOTE: 66' Permanent easement is 30' N. of Sec. line

BK DKL P 42

AVE.

P.C. horiz. Curve

35+44.58

+0.2125% Max. +0.40

Wk. +.04 50' Sec line

P.I. horiz. Curve

℄ Proposed drainage ditch

34+89.58

35+29.58

+50 36+00 +50 37+00 +50 38+00 +50 +75 39+00

Const. No Crown

40' 40'

Proposed 13' dike

705' ℄ 40' R/W

29TH ST. NO. 387

℄ ditch

℄ East 24" San. sewer

Section line

1640.0'

Const. No Crown

35'

34+54.58

34+89.58

35+29.58

35+44.58

+0.2130% Walk +0.40

OHIO

East line of U.R.A. Project

T 53 N R 9 W 6th P. 3818.97
38.65' SW to nail in washer N. Face of P.P.
56.00' N. to nail in washer N. Face of P.P.

DKL 15

Revised June 9, 1972

TWENTY-NINTH ST. NORTH
E. L. BROADWAY AVE. TO 610' E. OF E. L. OHIO AVE.
PROJECT NO. DAKM566024

8/16

S. M. #925 for exist. co. L Sta. 0+00. 3' E. of End of exist. pavmt. "a" cut

NOTE: N. L. Permanent Easement is 1.80' N. of Sec. line.

Station	Unit	Alignment	Deflection	8" Sewer Pipe Invert Elev.		8" Sewer Pipe Invert Elev.	
				Out	In	Out	In
35+50	P.C.	R = 1910.08	0° 00' 00"				
35+50		R = 496.99	0° 01' 8"			3918	3918
36+00		R = 409.10	0° 04' 38"	3900	3900	3919	3919
36+50			0° 07' 47"				
37+00			0° 11' 03"				
37+50			0° 14' 6"				
38+00			0° 17' 37"			3944	3944
38+34.96	P.T.		0° 19' 47"	3934	3934	3956	3956
38+50			0° 20' 40"	3932	3932	3958	3958
39+00			0° 24' 30"	3930	3930	3961	3961
39+50			0° 31' 14"				
40+00			0° 37' 59"				
40+50			0° 44' 43"				
41+00			0° 51' 26"				
41+39.90	End		0° 57' 38"	3938	3938	3978	3978

Proposed drainage ditch

Proposed 10' dike

Proposed 10' dike

Note: Match exist. pavement

39TH ST. NO.

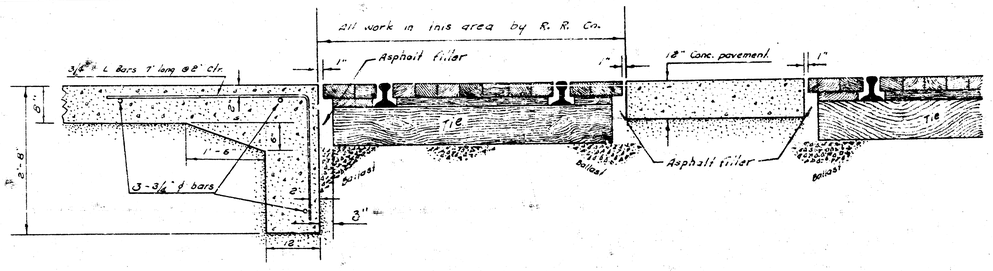
INTERSTATE 35 W

Drive entry Street Located

TIES TO Iron Sec. line Sta. 39+85.74
42.80' SE to Ck of Rim marker
104.65' SE to nail in washer in W face P.P.
93.37' NE to nail in washer S face P.P.

TWENTY-NINTH ST. NORTH
E. L. BROADWAY AVE. TO 610' E. OF E. L. OHIO AVE.
PROJECT NO. DAKM566024

9/25

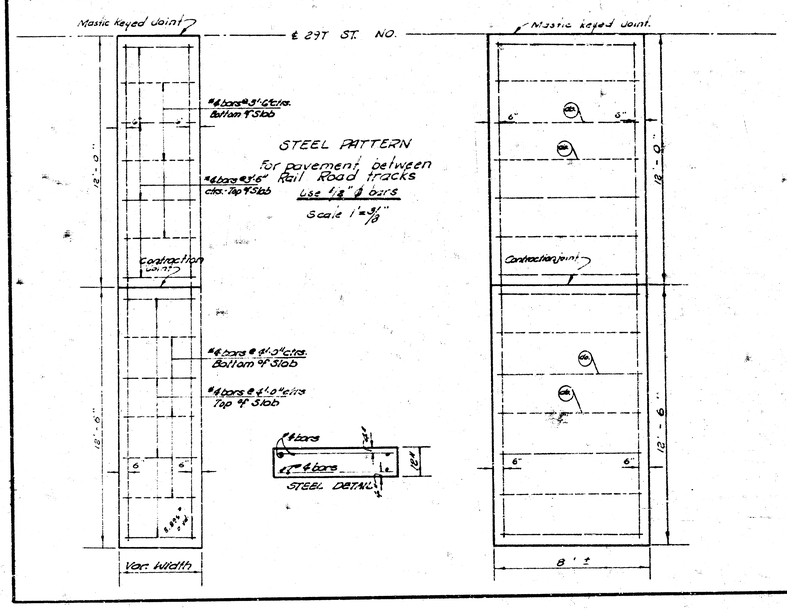


CONCRETE HEADER DETAIL
No Scale

Sta. 1+50.0
Sta. 3+20.0
Sta. 13+60.0
Sta. 33+74.0
Sta. 27+87.0
Sta. 26+07.0

CONCRETE PAVEMENT
Between Rail Road tracks
No Scale

NOTE:
Additional concrete and special excavation below typical pavement section shall be paid for at bid price per cu. yd. of (6 sack) conc. and bid price per cu. yd. of Special excavation.



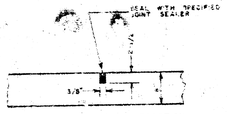
STEEL PATTERN
for pavement between Rail Road tracks

10/28

TWENTY-NINTH ST. NORTH
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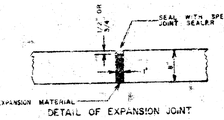
PROJ. NO. DAKM566024
CITY OF WICHITA, KANSAS
R. W. LINN, CITY ENGINEER

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

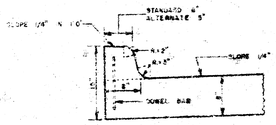


DETAIL OF SAWED CONTRACTION AND LONGITUDINAL JOINTS

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

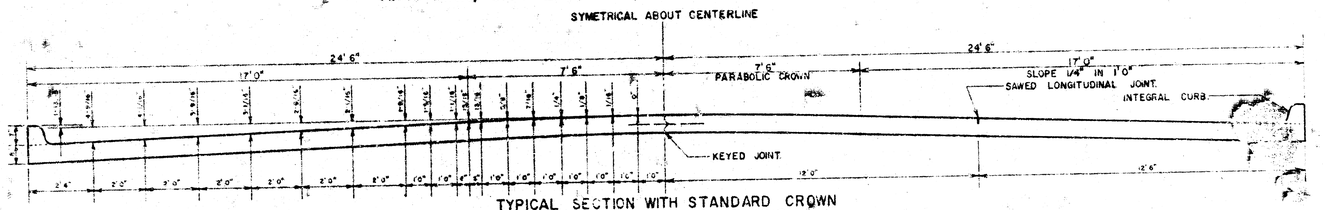


DETAIL OF EXPANSION JOINT

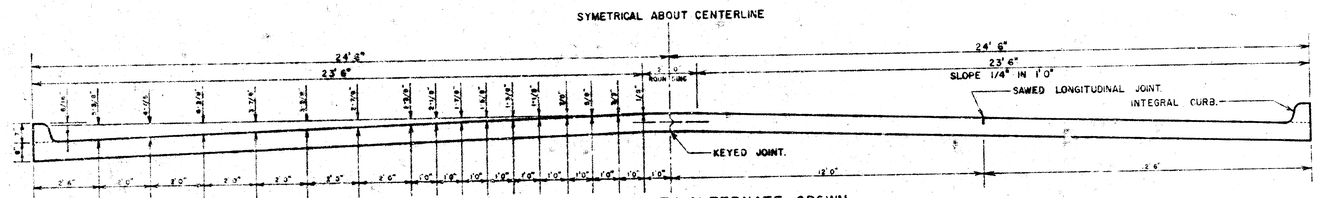


DETAIL OF INTEGRAL CURB

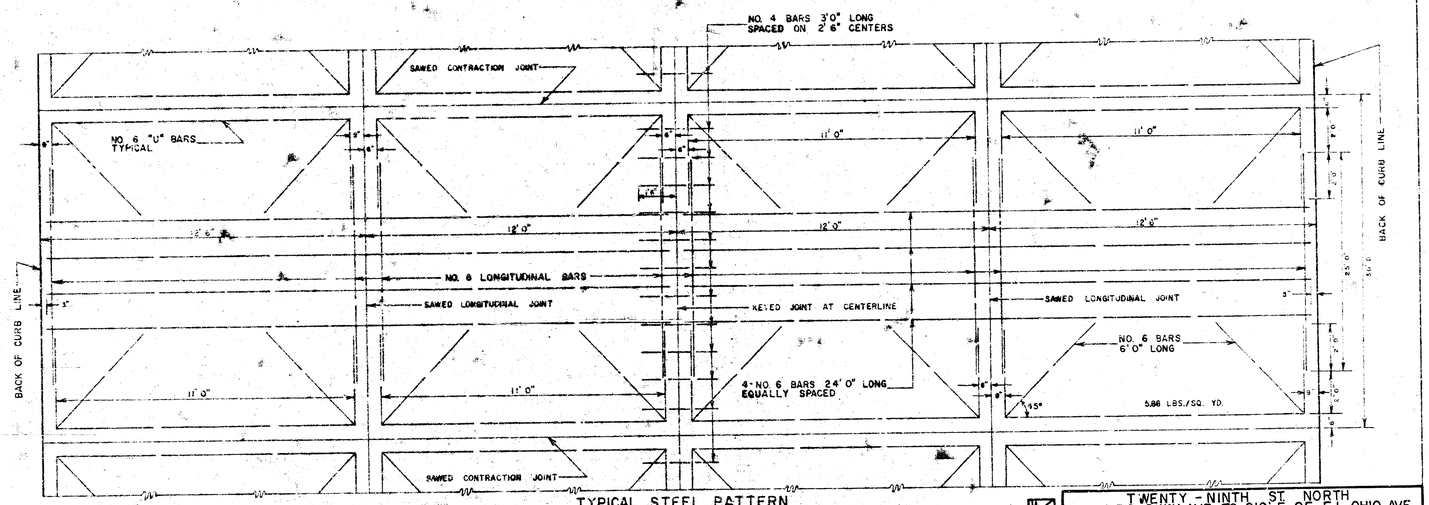
INTEGRAL CURB SHALL BE CUT THROUGH TO THE PAVEMENT IN UNIFORM LENGTHS OF NOT MORE THAN TEN FOOT INTERVALS BETWEEN EXPANSION JOINTS. EXPANSION JOINTS HAVING THE SAME THICKNESS AS THE EXPANSION JOINTS IN THE PAVEMENT SHALL BE CONSTRUCTED IN THE INTEGRAL CURB AT THE SPECIFIED LOCATIONS. NUMBER 4 OR NUMBER 6 DOWELS SHALL BE INSTALLED IN THE INTEGRAL CURB AS SHOWN ON APPROXIMATELY 0' 6" CENTERS. PAVEMENT GRADES SHOWN ON PLANS ARE FOR STANDARD CROWN.



TYPICAL SECTION WITH STANDARD CROWN
48' 0" CONCRETE PAVEMENT



TYPICAL SECTION WITH ALTERNATE CROWN
48' 0" CONCRETE PAVEMENT



TYPICAL STEEL PATTERN
48' 0" CONCRETE PAVEMENT

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