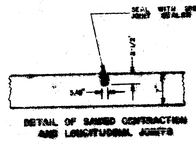
MAY STREET

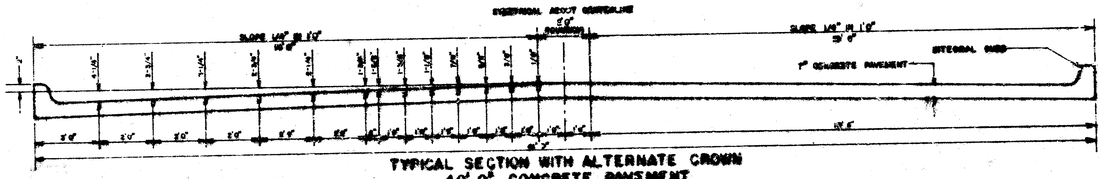
E.L. K-42 HIGHWAY TO W.L. A.T. & S.F. RAILROAD

PROJ. NO. DAKS 571015
CITY OF WICHITA, KANSAS
R. W. LINN, CITY ENGINEER

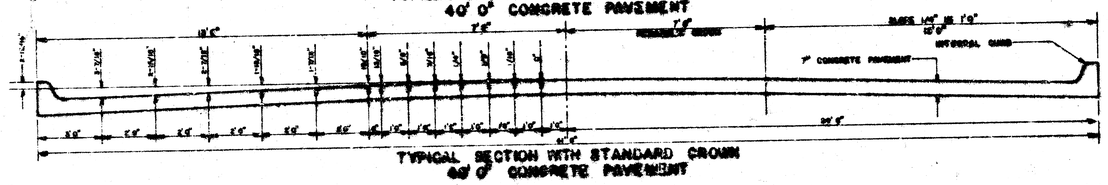
SAWED CONTRACTION JOINTS ARE TO BE CONSTRUCTED AT 30' 0" INTERVALS EXCEPT WHERE AN EXPANSION JOINT IS USED.



DETAIL OF SAWED CONTRACTION AND LONGITUDINAL JOINTS

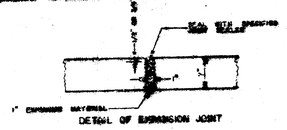


TYPICAL SECTION WITH ALTERNATE CROWN
40' 0" CONCRETE PAVEMENT

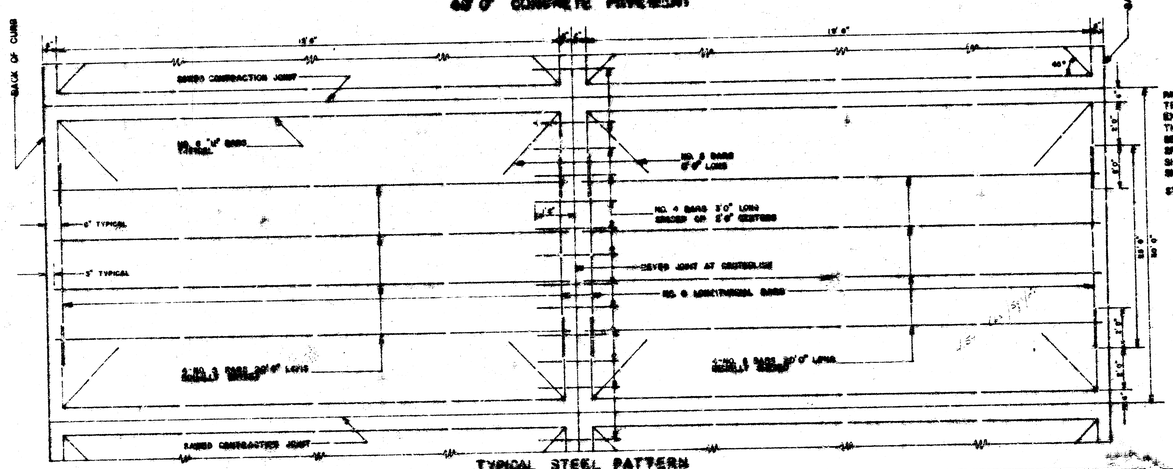


TYPICAL SECTION WITH STANDARD CROWN
40' 0" CONCRETE PAVEMENT

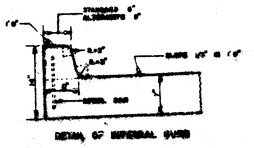
EXPANSION JOINTS ARE TO BE CONSTRUCTED AT MAXIMUM INTERVALS OF 120' 0".



DETAIL OF EXPANSION JOINT



TYPICAL STEEL PATTERN



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' 0" CENTERS. PAVEMENT GRADES SHOWN ON PLANS ARE FOR STANDARD CROWN.

Survey DCD
Plan JLA
Est. "
Checked

Railroad Co. to raise the spur track (west) track as follows.

	W. Rail	E. Rail
North f/o	0.18'	0.20'
South f/o	0.37'	0.37'

N

Scale: 1" = 20'

NOTE:
Drive grades set as shown. Field Engineer to contact property owners about raising drives.

B.M. 108.69 N.W. cor. conc. porch
House # 1918 S. Custer

7.5° V.C.
P.V.I. El. 110.47
21+12.5

P.V.I. El. 110.47 full Cb.
20+57

20+38.0±

P.V.C.
20+75

100'ø
P.V.I. El. 108.00

P.V.T. & P.V.C.

P.V.T.

20+00 | 21+00 | 21+30 | 21+50 | 21+75 | 22+00 | 22+25 | 22+50 | 23+00 | 23+50 | 24+00 | 24+50 | 25+00 | 25+50 | 26+00

0.00% RAILROAD (MAIN TRACK) −2.873% −0.189% 0.4 WK.

Sta. 19+81.15

Tacked Nub on ℄

Roll Curb

30' R

MATCH

Roll Curb | Curb Transition | Full Curb

Rail Curb

Set 108.50 Apch. Drive Sta. 108.89

Set 108.13 Apch. Drive Set 108.01

6" V.C. P.V.I. El. 108.38 Sta. 23+00

5.8 Conc. Entry Hill Set 7.70 Apch. Drive Set 7.70

1½ Drain Pipe

12" V.C.P.

12" V.C.P.

MAY − 8.08

STREET

Sta. 19+45.5 P.O.T. ℄ cut in pavement

E.B. Lane ℄ U.S. K-42 Hi-Way

Conc. Hdwl. Sta. 19+76.0

One-Way Traffic

MISSOURI PACIFIC

Apr. 13 Skew

Const. Conc. Headers (See Sh. #5)

6' Conc. ℄ Hdwl. 2.4' High

End 4' Ch. Link Fence P.I. 388 36.5' S.W.Ly. from R. with 3-Strand of Barbed Wire

20+05.8

20+38 | 20+57 P.V.C. | 20+75 | 21+02.5 P.V.I. El. 110.40 full cb. 93' V.C. | 21+12.5 | 21+30 | 21+50 P.V.T. & P.V.C. | 21+75 | 22+00 P.V.I. El. 108.00 100' V.C. | 22+25 | 22+50 P.V.T.

Roll CB Sta. 20+91 | Curb Transition | Full CB

PROPERTY

	EXC.	COMP. FILL
	1711 Cu.Yds.	356 Cu.Yds.
+10%	171 " "	36 " "
Totals	1882 Cu.Yds.	392 Cu.Yds.

CITY

EXC.	COMP. FILL
218 Cu.Yds.	21 Cu.Yds.
22 " "	2 " "
240 Cu.Yds.	23 Cu.Yds.

NOTE:
Construct 8 ft. berm and 4:1 shoulder slopes at the 36" R.C.P. outlet on the south side of May St. and at the 36" R.C.P. inlet on the north side of May St. and grade ditch to drain. This work to be considered incidental to the project.

NOTE:
The extra thickness (3") of the 10" conc. slap between R.R. tracks to be paid as cu. yds. concrete.

CEMENT TREATED SUB-GRADE

Prop. 8730 Sq.Yds. City 1,900 Sq.Yds.

Field Engineer to determine areas where cement treated sub-grade is required.

R. W. LINN — LICENSED — 3581 — KANSAS — PROFESSIONAL ENGINEER

JOHN L. ALLEN — LICENSED — 821 — KANSAS — PROFESSIONAL ENGINEER

2/8

MAY STREET

FROM E.L. K-42 HIGHWAY to W.L. ATCHINSON, TOPEKA & SANTA FE RAILROAD

7" Conc. 40' ℄ Curb

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

Date Aug. 1971

Project No. DAKS 571015

B.M. 106.44 Conc. Encased grade hub @ N.W. corner Metal Tab. Area. (S.E. cor. May & Sheridan)

N

26+00 26+23 26+63 26+73 27+03 27+50 28+00 28+50 29+00 29+50 30+00 30+50 31+00 31+50 32+00 32+50

Set walk grade at driveway as shown.

-0.12 4% 0.4 @ 0.5 Wk.

-0.15 4% 0.4 Wk.

SHERIDAN AVE.

MAY STREET

Match Existing Pavt. 12" V.C.P.

Adjust MH.

Partial Interc. Removal by Sn. Sewer Contractor. Match Existing Pavt. Replace 7" Conc. Intersection to limits shown.

Engineer to replace iron if Inside

Match Existing Pavt.

Expansion Joint

C.L.W. & Curb all C.L.

No Crown

Sta 27+03 (26) Iron 40 (Left)

R. Pole with light

Conc. Steps to remain in place.

Removal

4" Gas Service

8" V.C.P. Water Pipe

Elbow 15° Riser 12

Chord 15° Riser 12

Chord 15° Riser 17

Chord 15° Riser 12

SHERIDAN

MAY

Rev. No. CUKR 532 Plat 280

SHERIDAN & MAY INTERS. RECONST.

7" Concrete and Integral Curb

City Of Wichita, Kansas

R.W. Linn City Engineer

Date: Nov. 1973 Prof. No. CUKR 532 Plat 280

B.M. 106.94 Conc. Encased grade hub @ N.W. corner Metal Tab Area. (S.E. cor. May & Sheridan)

N

26+00 26+23 26+63 27+03 27+50 28+00 28+50 29+00 29+50 30+00 30+50 31+00 31+50 32+00 32+50

Set walk grade at driveway as shown.

-0.124%

0.4 & 0.5 Wk.

0.4 Wk.

0.5 Wk.

10.5 Conc Dr.

10.2 Conc Dr.

10 Conc Dr.

8" Gas Service

8" N.C. Water Pipe

IRON STA 27+03.0 (N) 26+63.0 (Ext.)

No Crown

AVE.

SHERIDAN

MAY

STREET

107.20

106.70

106.83

106.37

106.29

106.31

106.12

-0.154%

0.4 Wk.

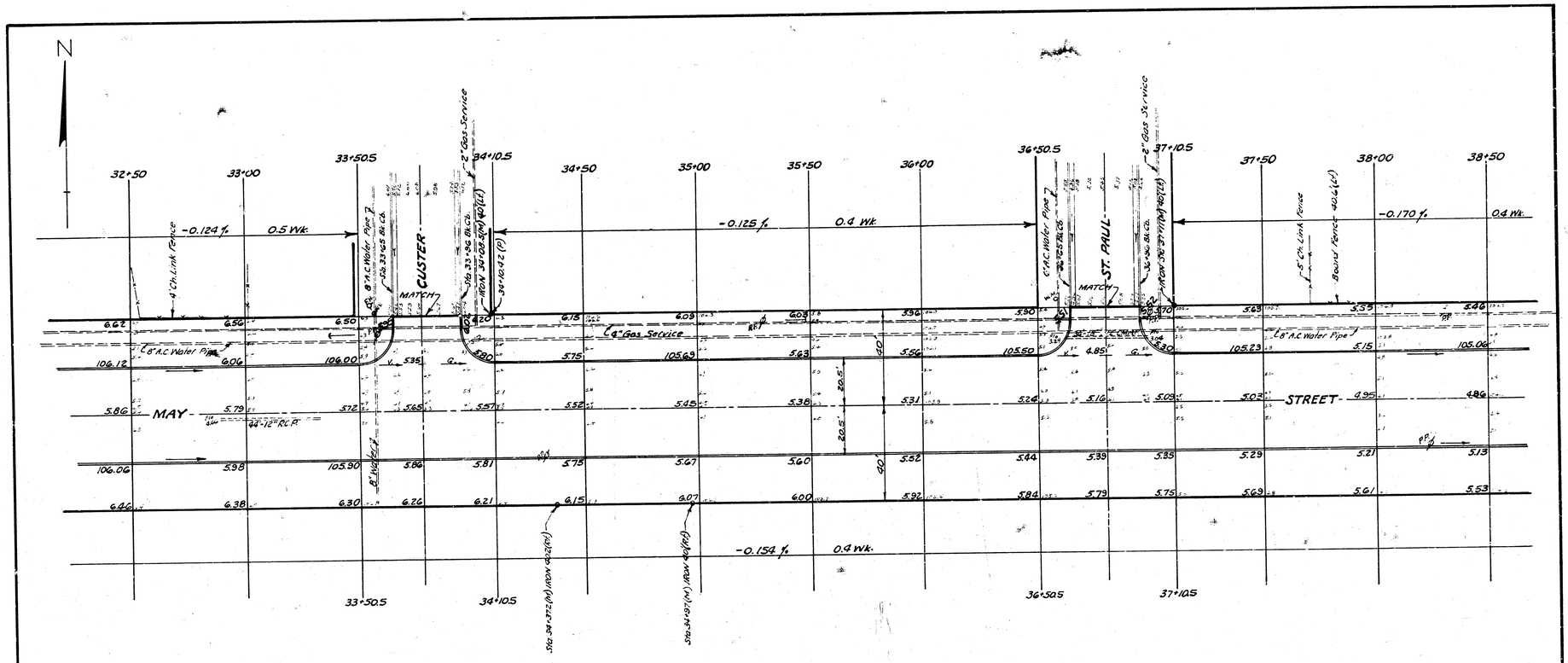
20.5'

40'

T. Pole with Light

27+03 (S) or N 0°00'00" E 27.03' (M)

3/8


N
32+50
33+00
33+50.5
34+10.5
34+50
35+00
35+50
36+00
36+50.5
37+10.5
37+50
38+00
38+50
-0.124 f.
0.5 Wk.
-0.125 f.
0.4 Wk.
-0.170 f.
0.4 Wk.
-0.154 f.
0.4 Wk.
4' Ch. Link Fence
8" A.C. Water Pipe
Fire Hydrant
MATCH
CUSTER
2" Gas Service
No. 33+96 Bl. Ch.
Iron 34+05.5 Ahd. (P)
34+10.42 (P)
6" Gas Service
6" A.C. Water Pipe
No. 36+25 Bl. Ch.
ST. PAUL
No. 36+46 Bl. Ch.
Iron 36+70.5 Ahd. (P)
2" Gas Service
5'-2" Chain Fence
Board Fence 40.4 (±)
STREET
MAY
44-12" R.C.P.
8" Water Pipe
Iron 34+05.5 Ahd. (P)
Iron 34+10.42 (P)
Iron 36+70.5 Ahd. (P)
33+50.5
34+10.5
36+50.5
37+10.5

B.M. 105.04 N.W. bolt, bottom flange Fire Hyd. @ N.W. corner May & Gordon.

N

38+50 38+75 39+00 39+25 39+50 39+80.6

-0.170 % 0.4 Wk. +45.6

-0.154 % 0.4 Wk.

GORDON

MAY

STREET

Grade to Drain. Cost is incidental to project.

Main Track

Barricade. To be done by others.

Sta. 39+23(N) 40' (L+)
Sta. 39+23.33(P)

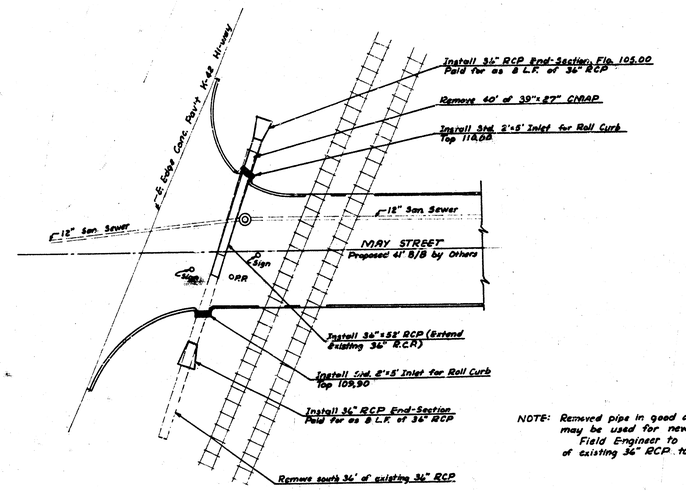
Sta. 39+94.8 Packer Hub on & Way & Co. W.L. Archibald Tobacco & Sonby Co. R.R. R/W

Sta. dc ... & Track

DETAIL OF CONCRETE HEADER FOR R.R. CROSSING
No Scale

5/8

B.M. 104.44 Conc. Encased grade hub @ N.W. Corner Metal Fab Area (S.E. cor. May & Sheridan)



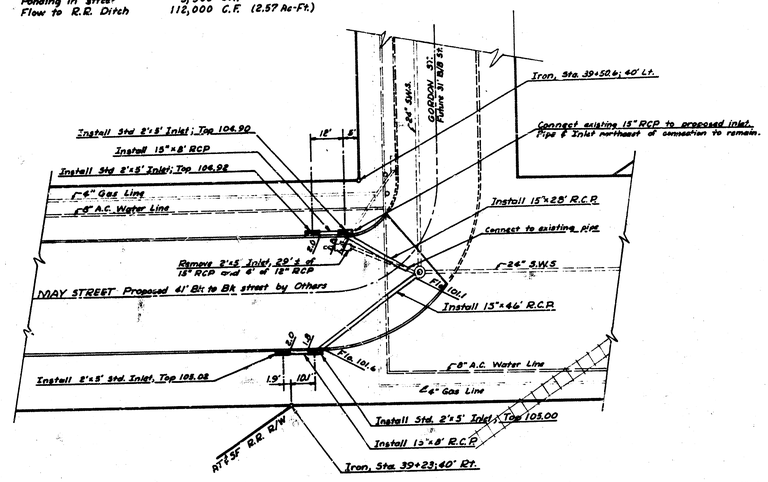
SCALE: 1"=20'

NOTE: Removed pipe in good condition of equal size may be used for new construction. Field Engineer to determine if north portion of existing 36" RCP to remain in place.

Drainage to May & Gordon from west only (A= 27 ac., t_c= 30 min.)
Existing Sewer Inlet Capacity: 5.1 cfs
Rational Method: c= 0.5; Q_{10}= 32.4 cfs; Q_{25}= 41.5 cfs; Q_{50}= 50.0 cfs.
Volume Method: 2" rain (approx. 5-yr frequency)

Rain Loss 0.66"	
Total Runoff (68%)	133,300 C.F. (37 cfs)
Outflow to sewer	18,300 C.F.
Ponding in street	3,000 C.F.
Flow to R.R. Ditch	112,000 C.F. (2.57 Ac-Ft.)

B.M. 105.06 N.W. bolt, bottom flange Fire Hyd. @ N.W. corner May & Gordon



DRAINAGE IN CONNECTION WITH PAVEMENT OF MAY STREET
FROM E.L. K-42 HIGHWAY TO W.L. ATCHINSON, TOPEKA & SANTA FE RAILROAD

R.W. LINN CITY ENGINEER
CITY OF WICHITA, KANSAS
DATE: Aug. 1971
Project No. DAKD 571015

Survey O.C.D. Plat W.E.K. Loc Checked

11 5 1 14