# CENTRAL AVE.

## E.L. WOODCHUCK LANE TO W.L. RIDGE ROAD

TYPICAL SECTION

48' APPROVED CONCRETE PAVEMENT WITH 2 STANDARD CURB

DETAIL OF TRANSVERSE CONTRACTION JOINT

1/13

12-2570

DAKM576083

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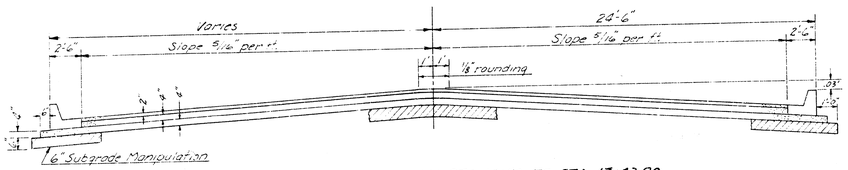
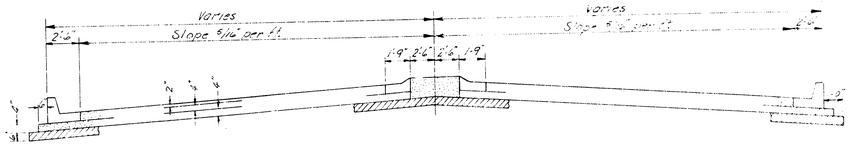
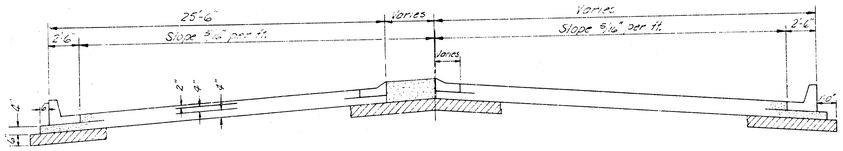


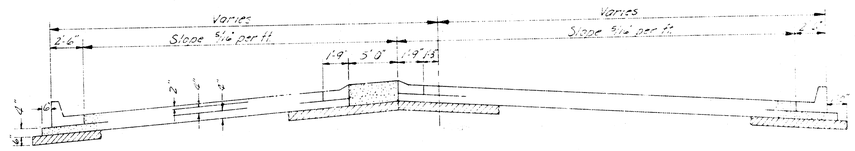

TYPICAL SECTION STA. 16+50 TO STA. 17+93.90



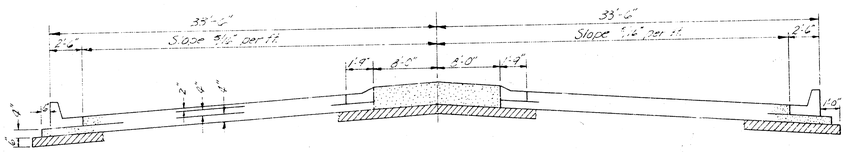

TYPICAL SECTION STA. 23+05.9



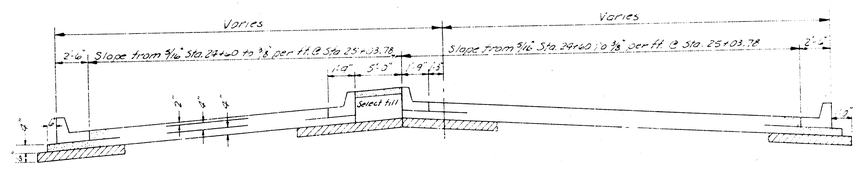

TYPICAL SECTION STA. 18+29.86 TO STA. 20+20



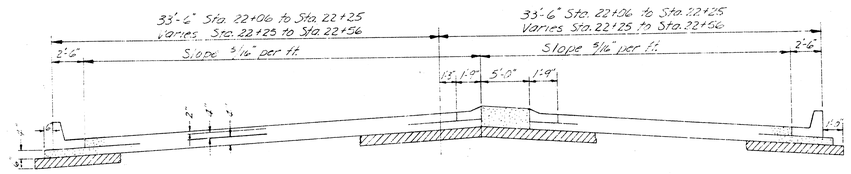

TYPICAL SECTION STA. 23+55.8 TO STA. 24+60



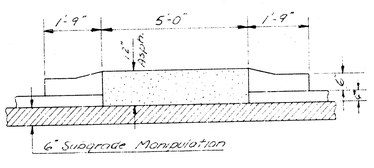

TYPICAL SECTION STA. 20+20 TO STA. 21+05.78

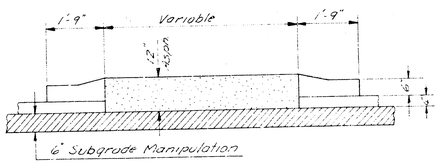



TYPICAL SECTION STA. 24+70 TO STA. 25+03.78

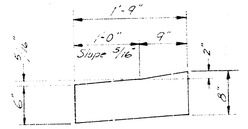



TYPICAL SECTION STA. 22+06 TO STA. 22+56



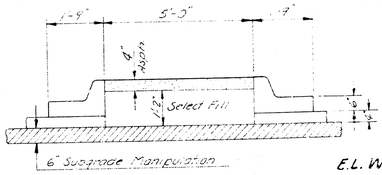




MEDIANS - TYPE I CURB

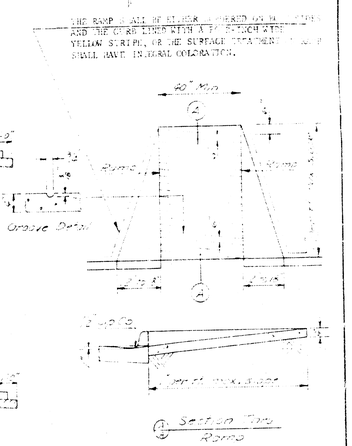



TYPE I MEDIAN CURB & GUTTER

TYPE II MEDIAN CURB & GUTTER




MEDIAN - TYPE II CURB




WHEEL CHAIR RAMP

CONTRACTOR TO MARKER BOTH SIDES OF RAMP AND LINE THE CURB WITH A FOUR-INCH WIDE YELLOW STRIPE. COST OF STRIPING TO BE INCLUDED IN COST OF 4" RAMP CONCRETE.

CENTRAL AVE.

E.L. WOODCHUCK LANE TO W.L. RIDGE ROAD

PROJ. NO. DAKM 576083

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B.M. 154.048 City of Wichita B.M. Disc., 52' N. & 24' W. of E. Central & Woodchuck E.

B.M. 153.23 +1' west of east end radius S.E. Woodchuck & Central

**NOTE:**
Contractor to trim trees along north & south property lines to clear sidewalk. The cost will be considered incidental to the project.

No trees to be removed

N

Scale: 1"=20'

LANE

WOODCHUCK

CENTRAL

IRON Sta. - 0+39

IRON - 0+69.5 (L) 2

Set back of 4' Sidewalk 3'±3 of Prop. Line

Remove Curb Set to Constr. Ramp. Saw Jt.

Match P.C.

Total Access Control

+0.535 ft.

-0.252 ft.

+0.675 ft.

-0.286 ft.

No V.C. P.V.I. El. 154.60

0+00 P.V.I. El. 154.60 No V.C.

2+00 P.V.I. El. 154.60 No V.C.

Set back of 4' Sidewalk approx. 2'±N. of Prop. Line to clear row of trees

NOTE: Field Engineer to adjust walk elevations to match ground where possible. Min. Slope 0.3' to back of walk

NOTE: Field Engineer to adjust walk elevations to match ground where possible. Min. Slope 0.3' to back of walk

Total Access Control

Total Access Control

Total Access Control

Ref. M.H. @ N. C.L. 154.12

Ref. M.H. 147.17
To Un. Bot. 152.52
Conduit 151.12
Conduit 151.02

Remove Power Pole

Relocate Power Pole

Relocate Power Pole

Relocate Power Pole

Remove Power Pole

Set to Conduit

Constr. 10' W.K.

Constr. 10' W.K.

Constr. 10' W.K.

B.M. 152.33 R.R. Spike N. side P. Pole on S.E. Corner Redbarn & Central

Replace With 10" Appn. Conc. Pvt. 18" B.H. Base. Taper new c.b. to match exist c.b.

NOTE: Field Engineer to adjust walk elevations to match ground where possible. Min. slope 0.3' to back of walk.

85.2' V.C. P.V.I. El. 153.00 8+35.99

P.V.T. 8+78.59

9+21.19

P.V.C. 7+93.39

P.V.C. 11+50

100' V.C. P.V.I. El. 149.60 12+00

5+50 6+00 6+50 7+00 7+50 8+00 9+50 10+00 10+50 11+00 11+75 12+00

-0.252 f. Wk. 0.5'

-0.934 f. Wk. 0.5'

-0.286 f. Wk. 0.5'

-0.982 f. Wk. 0.5'

Total Access Control

CENTRAL

AVE. 1

MATCH

LANE

REDBARN

Stone Planter

House

Constr. 4.0' Wk.

Constr. 3.0' Wk.

6" Gas Service

Bell Tel. Conduit

6" Arkla Gas Line

Concrete Gas Line

7+95.54 P.V.C.

8+35.53 P.V.I. El. 152.78 79.98' V.C.

8+75.52 P.V.T.

9+15.51

NOTE: Field Engineer to adjust walk elevations to match ground where possible. Min. slope 0.3' to back of walk.

NOTE: The new combined curb & gutter on Redbarn Lane for the north & south approaches should have a 5' curb transition from full curb to a curb that matches the existing curb.

Replace with 10" Appn. Conc. Pvt. (8" B.H. Base. Taper new c.b. to match exist. c.b.

① Wheel Chair Ramp (See detail Sht # 2)

CENTRAL AVE.
E.L. WOODCHUCK LANE TO W.L. RIDGE ROAD
PROJ. NO. DAKM 576083

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COTTONTAIL — P.C. 7.39 — T.C. 7.39 — P.C. 12.24 — T.C. 143.63 — LANE — P.C. 148.7 — T.C. 149.21

Base Line is face of (Lt.) Curb

0.33000 min./ft.

| Station | Point | Alignment | Deflection | Chord | Arc |
|---|---|---|---|---|---|
| 15+50 | P.T. | Δ = 1°06' | 0°33' | 24.96 | 24.96 |
| 15+25 | | R=5208.55 | 0°24'42" | " | 24.96 |
| 15+00 | | T=50' | 0°16'28" | " | 24.96 |
| 14+75 | | L=100.0 | 0°08'14" | 24.96 | 24.96 |
| 14+50 | P.C. | | | | |

8' offset Fr. (Lt.) Curb R= 5200.55 L = 99.84'

B.M. 15240 R.R. Spike N. face P. Pole S.E. corner Country Acres & Central

NOTE: Preliminary survey stationing was incorrect to Sta. of Fr. W.L.F. E.L. Country Acres, i.e. C/L of Central. Jog at C/L & Country Acres is incorrect. New stationing shown on P. & P.

NOTE: Field Engineer to adjust walk elevations to match ground where possible. Min. slope 0.3" to back of walk.

Streets, remove & re-lay Sanit. Sewer manhole & Water Valve boxes to new grade

Replace 20' W.M. & connect existing

100' V.C. P.V.I. El. 149.60 12+00

P.V.T. 12+50

13+00

13+50

14+00

P.C. 14+50

15+00

P.V.T. 15+50

16+00

16+50

17+00

17+25

P.V.C. 17+54.71

75.15' V.C. P.V.I. El. 152.00 17+92.28

P.V.T. 18+29.86

18+50

+0.405 %

-0.824 %

Grad. Wk. 0.5' to 0.8'

Wk. 0.8'

Grad. Wk. 0.8' to 0.4'

Wk. 0.6'

Wk. 0.5'

Constr. 8.0' Wk.

2" Alum. Gas Line

6" Gas Service

8" Gas Service

16" Conduit

CENTRAL

AVE.

MATCH

22" S.W.S. (by others)

Bell Tel. Conduit

6" Drain

16" Conc. Water

Constr. 4.0' Wk.

Grad. Wk. 0.8' to 1.2'

Wk. 1.2'

Wk. C.F.

+0.392 %

-0.795 %

Asph. Parking

Brick Bldg.

Asph. Parking

Asph. Parking

Constr. Type I Co.

42-15 S.C.F.

SAW MATCH

COUNTRY ACRES

Replace with 10" Asph. Conc. Pvt. 8" B.T. Base.

1 Wheel Chair Ramp (See detail Sht. # 2)

Total Access Control

House

17+43.90 P.V.C.

17+86.45 P.V.I. El. 151.50 85.10' V.C.

18+29.0 P.V.T.

CENTRAL AVE.
E.L. WOODCHUCK LANE TO E.L. RIDGE ROAD
PROJ. NO. DAKM 576083

T.C. 149.30 Flo. 148.90 134° E — JENNIE — T.C. 149.04 Flo. 149.61 134° E — STREET — T.C. 148.80 Flo. 148.39 134° E

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Township Hall

O.P. Cable TV

RIDGE ROAD

CENTRAL

Scale: 1" = 20'

N

S.R.im n.B.
M.H.

P.P.

B'x6' R.C.B. by 'Others'

30" R.C.P. by 'Others'

Curb Inlet by Others'

Sta 23+58 ... NO IRON IN TRIANGLE

3-30" 90 R.C.P.

8" C.I. Water

4" Nat. Gas

Conc. Base w/ Sign

Const. Type 12-2 Inlet
Flo Out = 128.26
T.C. = 131.89

Conc.

Flo In = 128.16

Install 5 L.F. 15" R.C.P. (All 15" C.M.P.)

25+00 24+50 24+00 23+50 23+00 22+50 22+00 21+50 21+00

Const. Type 12 Inlet
Flo In W. 136.98
Flo Out N. 136.88
T.C. 141.87

Const. Type 12-2 Inlet
Flo Out: 137.08
T.C. = 146.73

Install 5 L.F. 15" R.C.P.

8" R.C.I. Water

Sta 3+98 Const. Std. 5' Diam. Type 'B' M.H.
Flo In W. = 138.83
Flo In S. = 136.53
Flo Out N.E. = 131.95
(Street Sta. 21+21)

Install 75 L.F. 15" R.C.P. (All 15" C.M.P.)

Sta 2+00 Const. Type 12-2 Inlet
Flo In = 130.31
Flo Out = 128.90
T.C. = 138.47
(Street Sta 23+00)

Sta 3+66 Const. Type 12-2 Inlet
Flo In S.W. 131.70
Flo Out E. 131.60
T.C. = 145.15
(Street Sta. 21+56)

**Caution**
Bell Tele. Cable @ Sta. 21+50
Inlet to be Adjusted in Field if Required.

General Notes

1. From Sta. 0+00 to Sta. 3+66 Trench Width to be Adequate for Compaction by Sheepsfoot Roller or Equipment. Compaction to be to 95% Density.
2. Contractor has Option of Constructing 5' Diam. Type 'B' Manholes or Reinforced Concrete Manholes.

B.M. 132.84 N.W. bolt on conc. base, light pole on S.W. corner Central & Ridge Road

Sta 0+00 Match Inlet by Others'
Flo In = 126.70

Flo 127.40

Bottom Proposed 10' Pavement

Curb Inlet by Others

Sta 2+00 Const. Type 12-2 Inlet
Flo In = 130.31
Flo Out = 128.90

Flo 130.21

Sta 3+66 Const. Type 12-2 Inlet
Flo In S.W. = 131.70
Flo Out E. = 131.60

Sta 3+98 Const. Type 'B' M.H.
Flo In W. = 138.83
Flo In S. = 136.53
Flo Out N.E. = 131.95

150 140 135

Top of Rim 146.83

Top of Curb 145.15

Existing Ground

Top of Curb 138.47

90 Lin. Ft. 30" R.C.P. @ 0.500% Grade (All 30" Fully Paved C.M.P.)

30" Pipe @ 0.500%

200 Lin. Ft. 30" R.C.P. @ 0.900% Grade (All 30" Fully Paved C.M.P.)

186 Lin. Ft. 30" R.C.P. @ 0.900% Grade (All 30" Fully Paved C.M.P.)

0 1 2 3

## Incidental Drainage In Connection with Paving Central Avenue

E.L. Woodchuck - W.L. Ridge Road
City of Wichita, Kansas
A.W. Linn - City Engineer
Project No. DRAD576083
Date: 12-3-76
REV. DATE 12-10-76

Arch. Engineer Brandon Blvd. 6/14

21+00 20+50 20+00 19+50 19+00 18+50 AVE. 17+25 17+00 16+50 16+00 15+50 15+00

N

Sta 7+19 Const Stk
5' Diam. Type 'B' M.H.
Flo 142.05
(Street Sta 18+00)

CENTRAL AVE.

Sta 7+98 Const Stk
5' Diam. Type 'B' M.H.
Flo 141.98
(Street Sta 15+20)

COUNTRY ACRES

B.M. 152.40 R.R. Spike N. face P. Pole
S.E. Corner Country Acres & Central

Scale
Plan 1"=20'
Profile
Vert 1"=2'
Horiz 1"=20'

Sta 7+19 Const Stk
5' Diam. Type 'B' M.H.
Flo 142.05

Sta 7+98 Const Stk
5' Diam. Type 'B' M.H.
Flo 141.98

Existing Ground

Top of Rim 151.67

Bottom Engineered 6' Pavement

Top of Rim 150.11

150

140

Flo 138.46

Flo 138.98

Flo 139.48

Flo 139.98

Flo 140.48

Flo 140.98

Flo 141.48

320 L.F. 30" R.C.P. @ 0.300% Grade
(All 30" Fully Paved C.M.P.)

280 L.F. 30" R.C.P. @ 0.300% Grade
(All 30" Fully Paved C.M.P.)

30" Pipe @ 0.400%

6+00 5+00 6+00 7+00 8+00 9+00 10+00

15+00 14+50 14+00 13+50 13+00 12+50 12+25 12+00

℄

2 Ø R.C.P. Water ℘

2 Ø Ark.a Gas ℘

CENTRAL AVE.

Telephone

2 Ø Ark.a Gas ℘

Const. 3 Std Type 'I' Inlets
Ins. all S.L.F. 15" R.C.P. Between Inlets
(All 15" C.M.P.)
West Inlet
Top Cb.: 149.35
Flo Out: 149.89
Center Inlet
Top Cb.: 149.74
Flo In: 149.79
Flo Out: 149.69
East Inlet
Top Cb.: 149.76
Flo In: 149.59
Flo Out: 149.74

10' 10'

Install 21 L.F. 18" R.C.P.
(All 18" C.M.P.)

Install 32 L.F. 18" R.C.P.
(All 18" C.M.P.)

Sta: 12+73 Const. Std.
5' Diam Type 'B' M.H.
Flo In S.: 145.07
Flo In N.: 145.07
Flo Out E.: 142.57
(Street Sta: 12+81)

10' 10'

Const. 3 Std Type 'I' Inlets.
Install S.L.F. 15" R.C.P. Between Inlets.
(All 15" C.M.P.)
West Inlet
Top Cb.: 149.75
Flo Out: 146.29
Center Inlet
Top Cb.: 149.74
Flo In: 146.19
Flo Out: 146.09
East Inlet
Top Cb.: 149.76
Flo In: 145.99
Flo Out: 145.74

Sta: 12+73 Const. Std. 5' Diam Type 'B' M.H.
Flo In S.: 145.07
Flo In N.: 145.07
Flo Out: 142.57

Existing Ground

150

Bottom Proposed 10" Pavement

Top of Pipe: 139.32

18" Inlet Leads

140

Flo 141.48

Flo 141.28

Flo 142.28

279 L.F. 30" R.C.P. @ 0.900% Grade
(All 30" Fully Paved C.M.P.)

10+00 11+00 12+00 13+00

Scale: 1"=20'

Profile Scale
Horz. 1"=20'
Vert. 1"=4'

1. THIS PROFILE SHALL BE CONSIDERED AS [illegible]

2. ALL CORRUGATED METAL PIPES OR [illegible] SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION [illegible] OF THE 1968 STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. ALL REINFORCED CONCRETE PIPE SHALL BE [illegible] CLASS [illegible] UNLESS OTHERWISE SHOWN ON THE PLANS. ALL CORRUGATED METAL PIPE SHALL BE [illegible] GAUGE [illegible] CORRUGATION, AND SHALL BE [illegible] UNLESS OTHERWISE SHOWN ON THE PLANS. ALL PIPE SHALL BE INSTALLED IN ACCORDANCE WITH SECTION [illegible] OF THE STANDARD SPECIFICATIONS.

3. LOCATION OF [illegible] SHALL BE [illegible] AS DIRECTED BY THE ENGINEER.

REV. DATE. 12-10-76

#4

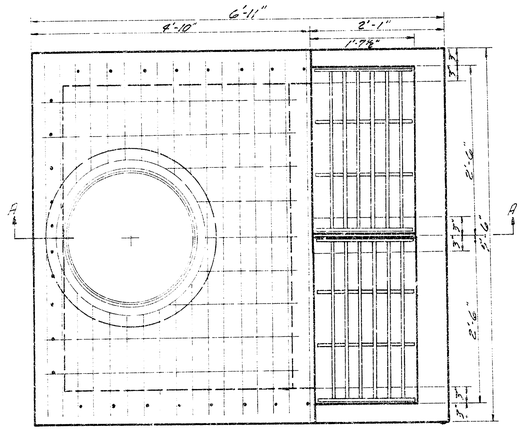
MANHOLE RING & COVER IS TO CONFORM TO CITY OF WICHITA STANDARDS SEE SHEET 4

6. ALL REINFORCING BARS ARE TO BE #4 BARS

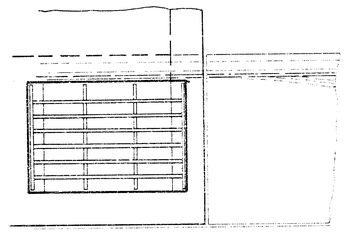
W=6' 11"

DETAIL
TYPE 12 INLET

CITY OF WICHITA, KANSAS
R.W. LINN-CITY ENGINEER
PROJECT NO. DAKD576083
DATE: _____

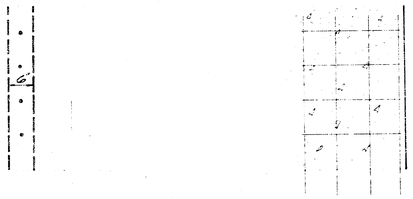



TOP VIEW



MANHOLE RINGS & COVERS ARE TO CONFORM TO CITY OF WICHITA STANDARDS SEE SHEET 4

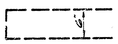
5'-6"



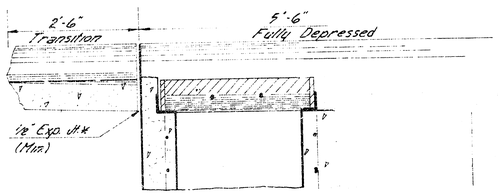
6. ALL REINFORCING ARE TO BE # 3 BARS

5'-6"

W=6'-11"



5'-6"




DETAIL
TYPE 12-2 INLET
CITY OF WICHITA, KANSAS
R.W. LINN-CITY ENGINEER
PROJECT NO. DAKD576083
DATE:_____

DETAIL
STRUCTURAL STEEL GRATE
AND FRAME ASSEMBLY

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

DETAIL
REINFORCED CONCRETE
MANHOLE
CITY OF WICHITA, KANSAS
R.W. LINN-CITY ENGINEER

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