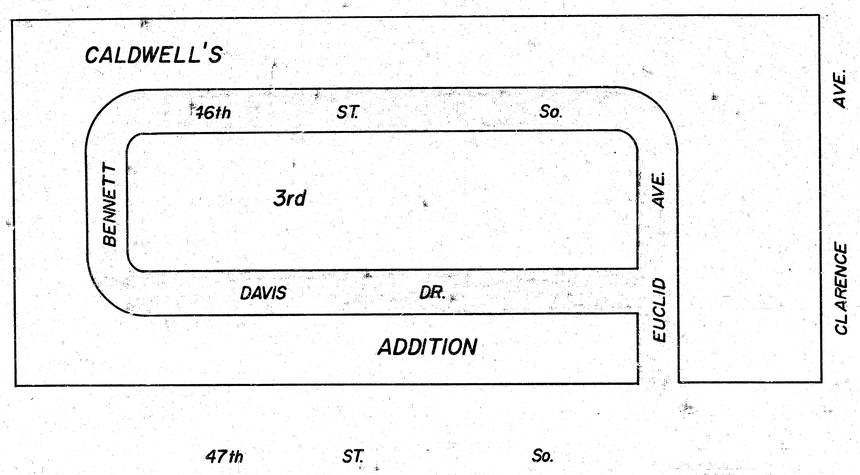
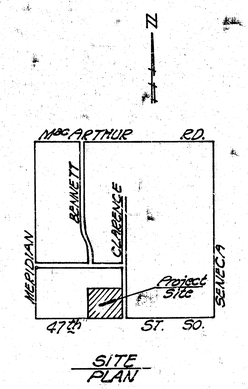
STREETS in CALDWELL'S 3rd ADDITION

EUCLID AVE.: N.L. 47th ST. So. – N.L. Lot 32
Blk. 1 CALDWELL'S 3rd ADDITION

DAVIS DR., BENNETT & 46th ST. So.: W.L. EUCLID –
N.L. Lot 32 Blk. 1 CALDWELL'S 3rd ADDITION

CITY of WICHITA, KANSAS
R.W. LINN – CITY ENGINEER
Date: _____
Project No. 472 76 245 80674 000 000 001



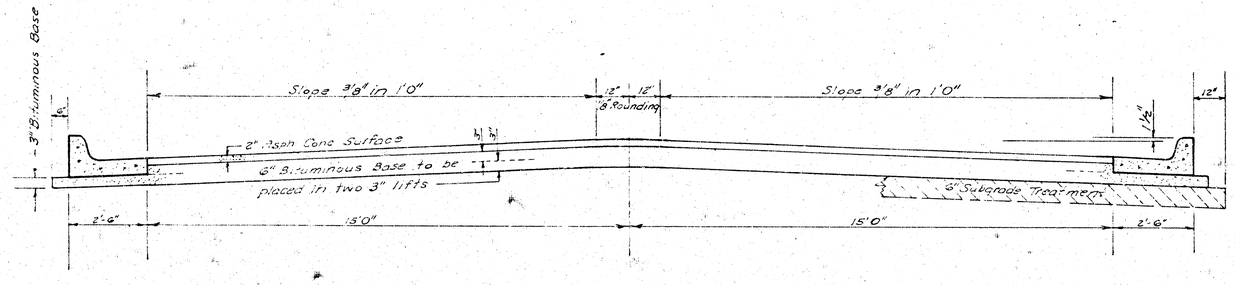


SITE PLAN

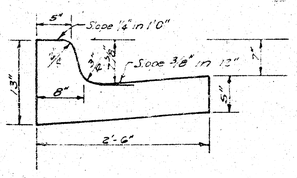
1/5

STREETS in CALDWELL'S 3rd ADDITION

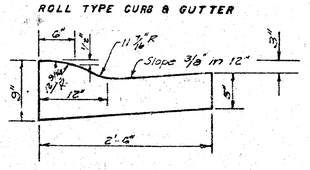
BENNETT AVE.
EUCLID AVE.
DAVIS DR.
46th ST. SO.



COMBINED CURB & GUTTER



ROLL TYPE CURB & GUTTER



TYPICAL SECTION

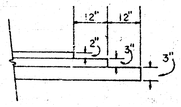
35' ASPHALTIC CONCRETE PAVEMENT WITH BITUMINOUS BASE

A TACK COAT OF EMULSIFIED ASPHALT (SS-1H) SHALL BE APPLIED AT AN APPROXIMATE RATE 0.05 GALLONS PER SQ YD BETWEEN LIFTS OF ASPHALTIC MATERIALS WHEN ORDERED BY THE ENGINEER. TACK COAT WILL NOT BE PAID FOR DIRECTLY AND SHALL BE CONSIDERED AS SUBSIDIARY TO PRICE BID FOR ASPHALTIC PAVEMENT.

BITUMINOUS BASE AND ASPHALTIC CONCRETE WEARING SURFACE SHALL BE PLACED WITH A LAYDOWN MACHINE HAVING AUTOMATIC ELECTRONIC CONTROLS FOR CROWN AND GRADE. CONSTRUCTION JOINTS IN EACH LIFT SHALL BE STAGGERED A MINIMUM DISTANCE OF 1' WITH JOINTS IN PRECEDING LIFTS AND PLACED SUCH THAT A JOINT WILL BE CONSTRUCTED ON THE CENTERLINE IN THE TOP LIFT.

The A.C. Pavement between the comb. curb & gutter shall be paid as Sq.Yds. 8" A.C. Pavement (6" Bituminous Base). The Bituminous Base under the comb. curb & gutter shall be paid as Sq.Yds. 3" Bituminous Base.

DETAIL OF TRANSVERSE CONSTRUCTION JOINTS



TRANSVERSE CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN FLEXIBLE BASE PAVEMENTS AT LOCATIONS WHERE PAVEMENT TEMPORARILY ENDS TO FACILITATE FUTURE PAVEMENT CONSTRUCTION AS SHOWN BY DETAIL. THE COST OF CONSTRUCTING THE TRANSVERSE CONSTRUCTION JOINTS SHALL NOT BE MEASURED OR PAID FOR DIRECTLY BUT SHALL BE INCLUDED IN THE BID PRICE FOR SQUARE YARDS OF ASPHALTIC CONCRETE PAVEMENT.

CITY OF WICHITA KANSAS

DEPARTMENT of PUBLIC WORKS - Engineering Division.

R. W. LINN CITY ENGINEER

DATE _____ Proj No. 472 76 245 80674 000 000 001

2/5

Original

FILMED FROM THE BEST AVAILABLE COPY

R M

Survey D.C.O. 12/16
Plan 2-52
Exc
Checked

BM 85.099 City Stn. @ Clarence & 47th St. S., 54° N. & 34° E. of 1/4 Sec. Cor.

Stationing = ℄ Street R/W

EARTHWORK TOTALS

	EXCAV. PROP	EXCAV. CITY	COMPACTED FILL PROP	COMPACTED FILL CITY
	3251.3 C.Y.	144.1 C.Y.	491.0 C.Y.	0
+10%	325.1	14.4	49.1	
	3576.4 C.Y.	158.7 C.Y.	540.1 C.Y.	

Total Manipulation = 9322.3 S.Y.

BENNETT
Δ = 45°05'39" R=59.7' T=24.79' L=46.99' Lc=45.78'

CURVE DATA BASED ON ℄ RAD. ½ = 22°32'49.5"

STA.	ARC	CHORD LENGTH ∅OFF LT. CO.	∅OFF RT. CO.	DEFLECTION	TOTAL DEFLECTION
0+00				0°00'00"	0°00'00"
0+25	25.0	16.92	35.21	11°59'42.5"	11°59'42.5"
0+46.99	21.99	12.71	31.02	10°33'05"	22°32'49.5"

DEFL./FT. = 28.7896960 MIN.

BENNETT
Δ = 44°54'21" R=60.3' T=28.89' L=47.25' Lc=46.01'

CURVE DATA BASED ON ℄ RAD. ½ = 22°27'10.5"

STA.	ARC	CHORD LENGTH ∅OFF LT. CO.	∅OFF RT. CO.	DEFLECTION	TOTAL DEFLECTION
1+95.99				0°00'00"	0°00'00"
2+19.62	23.63'	33.21'	33.21'	11°13'35"	11°13'35"
2+43.25	23.63	13.74	13.74'	11°13'35.5"	22°27'10.5"

DEFL./FT. = 28.3056073 MIN.

EUCLID
Δ = 45°05'58" R=59.7' T=24.79' L=47.0' Lc=45.79'

CURVE DATA BASED ON ℄ RAD. ½ = 22°32'57"

STA.	ARC	CHORD LENGTH ∅OFF LT. CO.	∅OFF RT. CO.	DEFLECTION	TOTAL DEFLECTION
3+43.71				0°00'00"	0°00'00"
3+67.21	23.50'	13.57'	32.12'	11°16'29"	11°16'29"
3+90.71	23.50'	13.57'	32.12'	11°16'28"	22°32'57"

DEFL./FT. = 28.786170 MIN.

N
1" = 20'

Location valve (W00J)
Install 18" C.M.P. between ditch & new channel

Match existg. N. edge asph.

Existing 84" (W) Asph. Inlet

4" asph. hook-up w/ 6" S.G.M.

Straight Grade (W00J)

Obl. 50°, 81" CMAC

Ditching (by Others)

Proposed 12" Water

Proposed 8" Sewer

Proposed 4" W.R.

Proposed 8" Water

Const. 8" U.B. & Conc. w/ B.A.C. Base

Const. 1'-0" I.S.T. Gutter

Const. 18"x6" Toe Wall along ME. Integral w/ C+G & Reinf. w/ (8) #4 bars). This Const'n to be bid as Non-Std. Comb. C+G & to incl. Reinf. Std.

(*) Location of C+G & Sidewalk to be Staked in Field.

Note - Paving + Utility Contractors to coordinate construction

NOTE TO FIELD ENGINEER & CONTRACTOR
Grade paving and clear right-of-way for proposed sidewalk. Compact fill in sidewalk area. TO BE CONSTRUCTED BY "OTHERS".

SUB-GRADE
TYPE OF SUB-GRADE TREATMENT SHALL BE DETERMINED BY THE FIELD ENGINEER. SUB-GRADE TREATMENT MAY CONSIST OF LIME TREATMENT, CEMENT TREATMENT, SUB-GRADE MODIFICATION OR ANY COMBINATION OF THESE.

3/12

BENNETT AVE. & EUCLID AVE.

STREETS IN CALDWELL'S 3RD ADD'N

472 76 245 80674 000 000 001 3/15

Survey 2.C.D. 240 / 18
Plan 553
Exa
Checked

B.M. 85.099 City Std. @ Clarence & 47th St. S., 54' N. & 34' E. of 1/4 Sec. Cor.

N

1" = 20'

Stationing = ℄ Street R/W

Δ = 45°05'39" R = 39.7' T = 24.79' L = 44.99' Lc = 43.78'

CURVE DATA BASED ON ℄ RAD. ½ = 22°32'49.5"					
STA.	ARC	CHORD LENGTH @OFF LT.℄	@OFF RT.℄	DEFLECTION	TOTAL DEFLECTION
0+00	——	——	——	0°00'00"	0°00'00"
0+25	25.0	16.62'	35.21'	11°59'44.5"	11°59'44.5"
0+46.99	21.99	12.71'	31.02'	10°33'05"	22°32'49.5"

DEFL./FT. = 28.7896360 MIN.

BENNETT AVE.

P.I. NO V.C. 90.40

0+46.99

Wk. +0.3'

-0.1986 %

Begin Constr.

R=59.1'

R=74.1'

R=91.1'

R=427.1'

-0.2484 %

Wk. +0.3'

0+00

0+25

0+46.99

P.I. NO V.C. 90.40

1+00 | +50 | 2+00 | +50 | 3+00 | +50 | 4+00 | +50 | 5+00 | +50 | 6+00

Iron

Proposed 8" Wk.

Proposed 8" Water

R/W 66' to 66'

34'

DAVIS DR.

W

Wk. +0.3'

-0.1986 %

6+00 | +50 | 7+00 | +50

R=32.2'

Δ=90°20'

0+20.20

Warp Crown

Full Crown

No Crown

EUCLID AVE.

-0.1986 %

Wk. +0.3 %

NOTE TO FIELD ENGINEER & CONTRACTOR
Grade parking and clear right-of-way for proposed sidewalk. Compact fill in sidewalk area. TO BE CONSTRUCTED BY "OTHERS".

SUB-GRADE

TYPE OF SUB-GRADE TREATMENT SHALL BE DETERMINED BY THE FIELD ENGINEER. SUB-GRADE TREATMENT MAY CONSIST OF LIME TREATMENT, CEMENT TREATMENT, SUB-GRADE MODIFICATION, OR ANY COMBINATION OF THESE.

4/12

DAVIS DR.

STREETS IN CALDWELL'S 3RD ADD'N

472 76 245 80674 000 000 001 4/5

Survey D.L.D. 822116
Plan 8-22
Ext
Checked

BM 85.099 City Std. ℄ Clarence ∉ 47th ST. S., 54° W. ∉ 34° E. of ¼ Sec. Cor.

N

Stationing = ℄ Street R/W

1" = 20'

Δ = 44°56'21" R = 60.3' T = 24.89' L = 47.26' Lc = 46.01'

CURVE DATA BASED ON ℄ RAD. Δ/2 = 22°27'10.5"					
STA.	ARC	CHORD LENGTH @ DEFL. CD	@ DEFL. RTE	DEFLECTION	TOTAL DEFLECTION
0+00	——	——	——	0°00'00"	0°00'00"
0+25	25.0	35.11'	14.58	11°52'38.5"	11°52'38.5"
0+47.26	22.26'	31.31'	12.96	10°34'32"	22°27'10.5"

DEFL./FT = 28.5056073 MIN.

Δ = 45°05'54" R = 59.7' T = 24.79' L = 46.99' Lc = 45.79'

CURVE DATA BASED ON ℄ RAD. Δ/2 = 22°32'57"					
STA.	ARC	CHORD LENGTH @ DEFL. CD	@ DEFL. RTE	DEFLECTION	TOT. AL DEFLECTION
7+79.26	——	——	——	0°00'00"	0°00'00"
8+00	20.74'	29.28'	11.99'	9°57'09"	9°57'09"
8+26.25	26.25'	36.98'	15.14'	12°35'48"	22°32'57"

DEFL./FT. = 28.792296 MIN.

-0.248 %
Wk. +0.3'
-0.2049 %
Wk. +0.3'

P.I. NO V.C. 91.10
P.I. NO V.C. 91.25
P.I. NO V.C. 91.10
P.I. NO V.C. 89.60
P.I. NO V.C. 89.45

0+00
0+47.26
1+00
1+50
2+00
2+50
3+00
3+50
4+00
4+50
5+00
5+50
6+00
6+50
7+00
7+50
7+79.26
8+00
8+26.25

R=923'
R=773'
R=603'
R=538.5'
R=538.5'
R=923'
R=773'
R=627'
R=527'

Begin Constr.
End Constr.

BENNETT AVE.

46th ST.
SO.
ST.

64' R/W
34' Vc to Vc

Proposed 4" Wk.
Proposed 8" Water
W

Iron

SUB-GRADE

TYPE OF SUB-GRADE TREATMENT SHALL BE DETERMINED BY THE FIELD ENGINEER. SUB-GRADE TREATMENT MAY CONSIST OF LIME TREATMENT, CEMENT TREATMENT, SUB-GRADE MODIFICATION, OR ANY COMBINATION OF THESE.

NOTE TO FIELD ENGINEER & CONTRACTOR
Grade parking and clear right-of-way for proposed sidewalk. Compact fill in sidewalk area. TO BE CONSTRUCTED BY "OTHERS".

5/12

46th ST. SO.
STREETS IN CALDWELL'S 3RD ADD.
472 76 245 80674 000 000 001

5/5