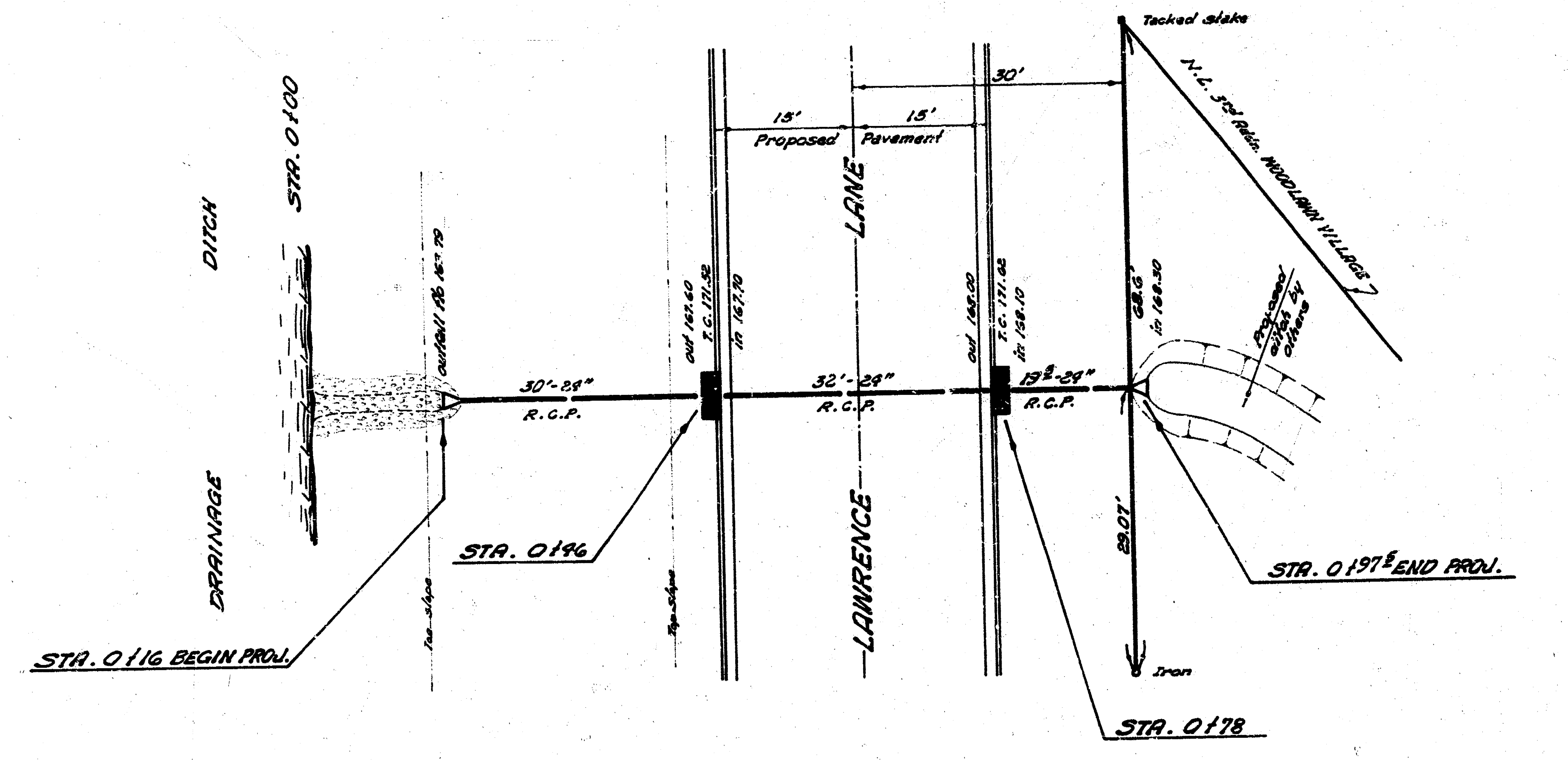
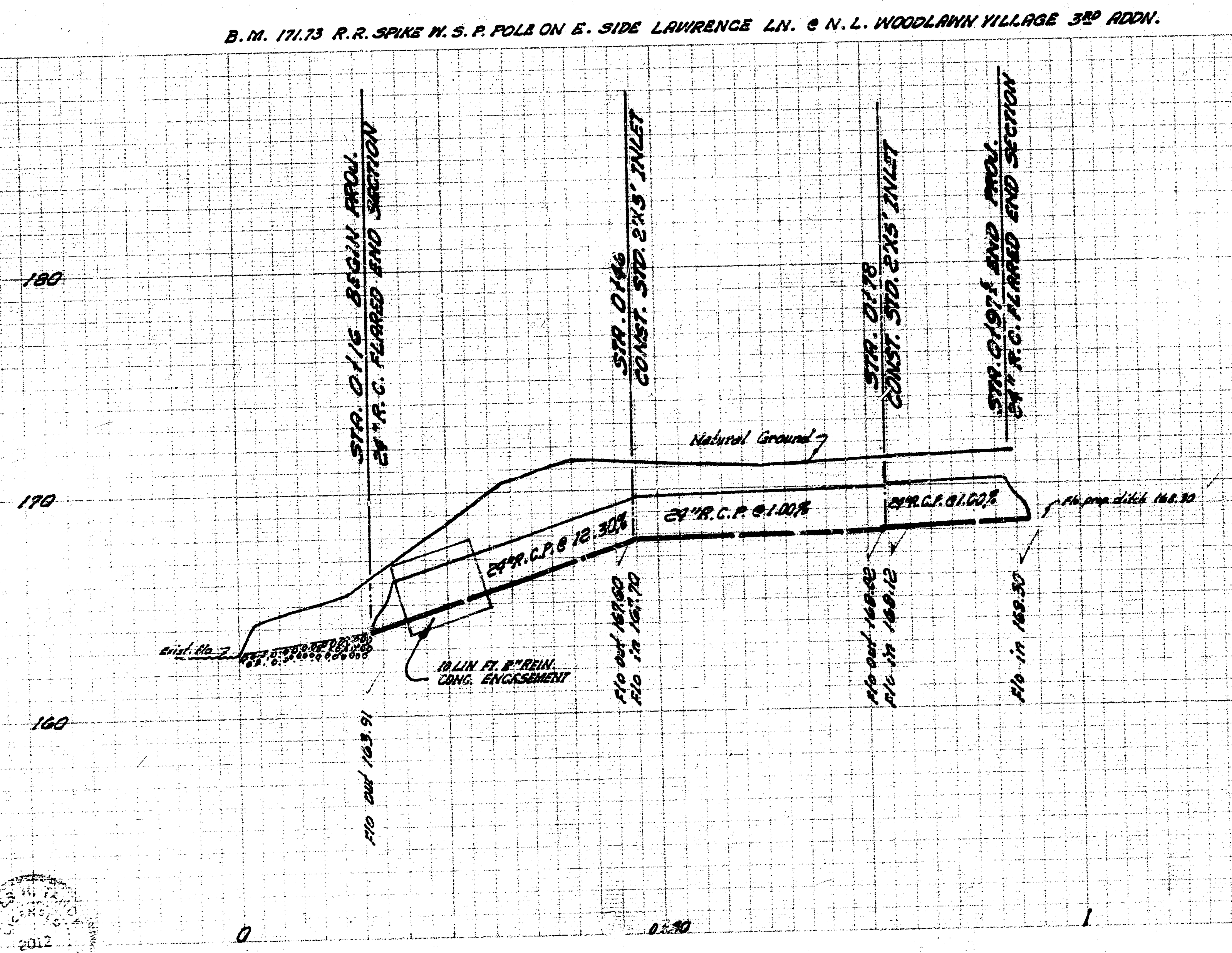
J. Glantz LFG-136
D. Cramer


DRAINAGE DITCH
STA. 0+00
outfall flo 163.79
Toe slope
STA. 0+16 BEGIN PROJ.
30'-24" R.C.P.
STA. 0+46
Top slope
out 167.60
T.C. 171.52
in 167.70
15' Proposed
15' Pavement
LAWRENCE LANE
32'-24" R.C.P.
out 168.00
T.C. 171.02
in 168.10
STA. 0+78
30'
19½-24" R.C.P.
Tacked stake
N.L. 3rd Addn. WOODLAWN VILLAGE
G.B.C. in 168.30
29.07'
Iron
Proposed ditch by others
STA. 0+97½ END PROJ.

## NOTE TO CONTRACTOR

#1 - Mechanically compact backfill between Sta. 0+16 & 0+78
#2 - Flared end sections to be bid as lin ft. of pipe

PLAN SCALE 1" = 10'
PROFILE SCALE 1" = 10' HOR.
1" = 4' VERT.


B.M. 171.73 R.R. SPIKE W. S. P. POLE ON E. SIDE LAWRENCE LN. @ N.L. WOODLAWN VILLAGE 3RD ADDN.
180
170
160
STA. 0+16 BEGIN PROJ.
24" R.C. FLARED END SECTION
STA. 0+46
CONST. STD. 2'X3' INLET
STA. 0+78
CONST. STD. 2'X3' INLET
STA. 0+97½ END PROJ.
24" R.C. FLARED END SECTION
Natural Ground
24" R.C.P. @ 12.30%
24" R.C.P. @ 1.00%
24" R.C.P. @ 1.00%
Fl. prop. ditch 168.30
Exist. flo
10 LIN FT. 8" REIN. CONC. ENCASEMENT
Flo out 163.91
Flo out 167.60
Flo in 167.70
Flo out 168.02
Flo in 168.12
Flo in 168.30
0
1

INCIDENTAL DRAINAGE
LAWRENCE LANE
E.L. LOT 6, BLK. D., 3RD ADDN. WOODLAWN
VILLAGE TO N.L. LOT. 14, BLK. D., 3D. ADDN.
CITY OF WICHITA, KANSAS
B.E. SMITH, CITY ENGINEER
PROJ. NO. C13-8 DATE: MAR 1966

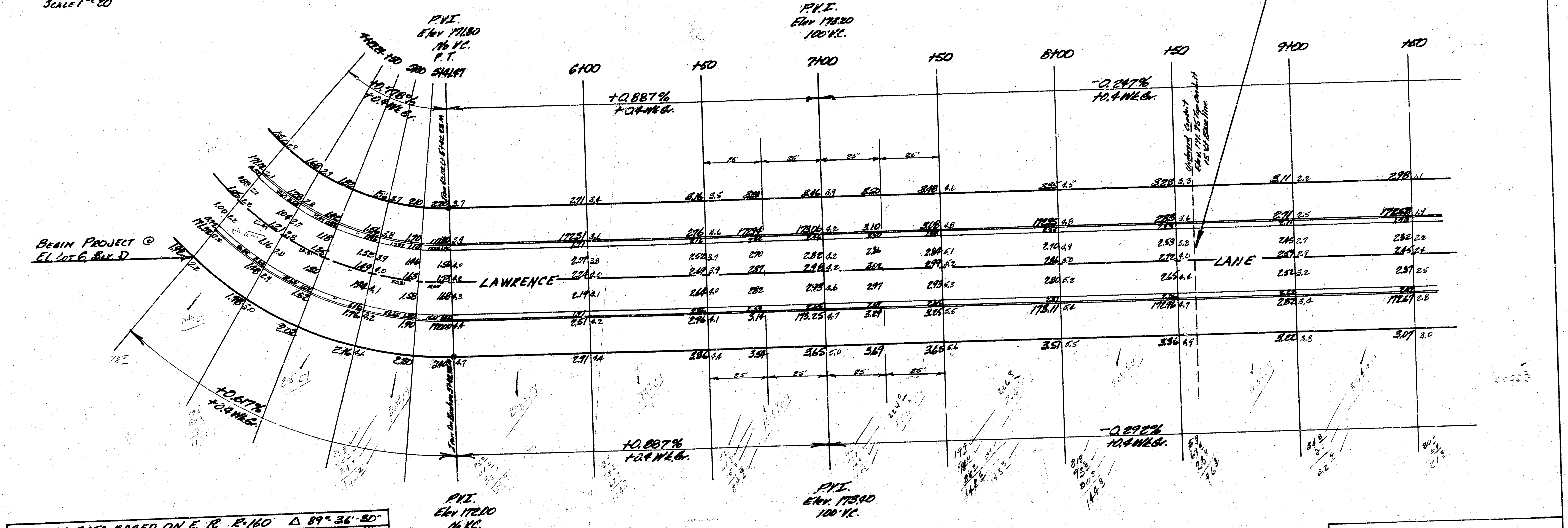
Survey Blantz Bk. JFG 132
Plan R.R.B.
Exc D.R.B.
Checked

B.M. 169.22 "R" Ritchie Top N.Cb. Rutland Rd. @ E.L. Lawrence Ln.

Scale 1" = 20'

**NOTE TO CONTRACTOR:**

Contractor Will Notify K.G.E. (Mr. Koester Ext. 335) Before excav. is started on this project. Contractor will exercise extreme caution while excavating over conduit.


P.V.I.
Elev 171.80
No V.C.
P.T.
5+41.47
4+21.24 +50 5+00
+0.778%
+0.4 Wk.Gr.
6+00
+50
P.V.I.
Elev 172.80
100' V.C.
7+00
+50
8+00
+50
9+00
+50
+0.887%
+0.4 Wk.Gr.
-0.292%
+0.4 Wk.Gr.
Begin Project @
E.L. Lot 6, Blk D
LAWRENCE
LANE
+0.617%
+0.4 Wk.Gr.
+0.887%
+0.4 Wk.Gr.
-0.292%
+0.4 Wk.Gr.
P.V.I.
Elev 172.00
No V.C.
P.V.I.
Elev. 173.40
100' V.C.

| CURVE DATA BASED ON E. R. R=160' Δ 89° 36' 30" | | | | | |
|---|---|---|---|---|---|
| Sta | Arc | Chd B' @ N Cb | Chd B' @ S Cb | Deflection | Total Defl's |
| P.C. 2+92 | | | | | |
| 4+21.24 | 129.24 | 120.26' | 84.10' | 23° 08' 27" | 23° 08' 27" |
| +50 | 28.76 | 27.46' | 19.21' | 5° 08' 57" | 28° 17' 24" |
| +75 | 25.0 | 23.88' | 16.70' | 4° 28' 35" | 32° 45' 59" |
| 5+00 | " | " | " | " " " | 37° 14' 34" |
| +25 | 25.0 | 23.88' | 16.70' | 4° 28' 35" | 41° 43' 09" |
| P.T. 5+42.25 | 17.25 | 16.47' | 11.52' | 3° 05' 06" | 44° 48' 15" |

10.7430 Min./Ft.

Excavation
Prop.
2127.3
~~2225.9~~* C.Y.
222.6 +10%
2448.5 C.Y. Total

* Includes 100 C.Y. Ditch Excav.

Comp. Fill
Prop.
462.2
~~450.2~~ C.Y.
45.0 +10%
495.2 C.Y. Total

Exh 359

JAMES H. [illegible] LICENSED 2012 KANSAS PROFESSIONAL ENGINEER

D. [illegible] 4085 KANSAS PROFESSIONAL ENGINEER

B. E. SMITH LICENSED 436 KANSAS PROFESSIONAL ENGINEER

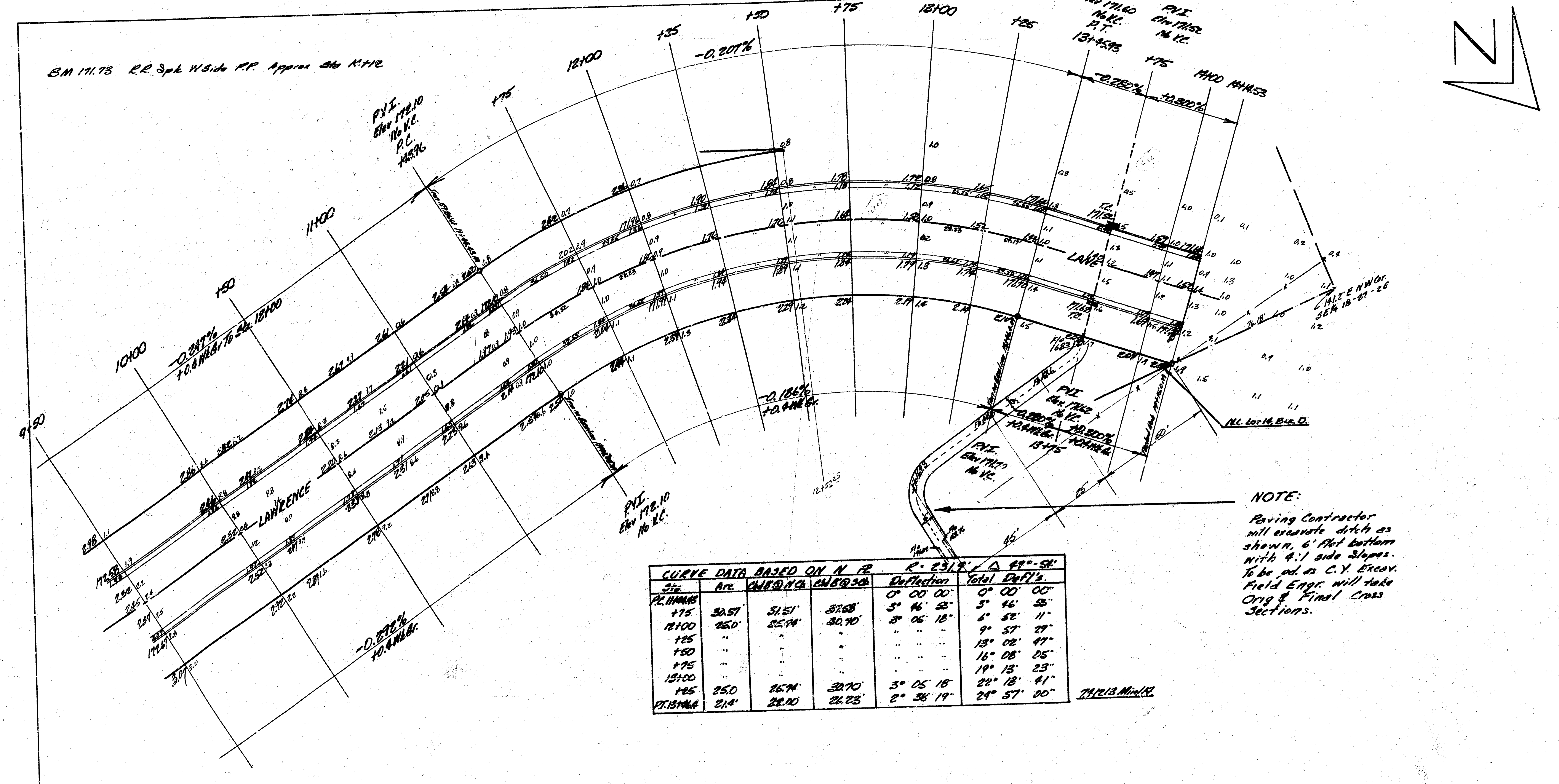
1/3

LAWRENCE LANE
E.L. Lot 6, Blk. D, 3rd. Addn. Woodlawn Village
To N.L. Lot 14, Blk. D, 3rd Addn. Woodlawn Village

26' - 2' - 30' A.C.

CITY OF WICHITA, KANSAS
B. E. SMITH CITY ENGINEER
DATE MAR. 1966 PROJ. C13-8

14-Eng
1-Water


BM 171.73 R.R. Spk W Side P.P. Approx Sta K+12
N
9+50
10+00
+50
11+00
+75
12+00
+35
+50
+75
13+00
+25
+75
14+00
14+14.53
P.V.I.
Elev 172.10
No V.C.
P.C.
+43.96
P.V.I.
Elev 171.60
No V.C.
P.T.
13+45.93
P.V.I.
Elev 171.52
No V.C.
-0.207%
-0.280%
+0.300%
-0.282%
+0.4 Mi.Gr.
-0.186%
+0.4 Mi.Gr.
P.V.I.
Elev 172.10
No V.C.
LAWRENCE
LANE
T.C.
171.52
T.C.
171.62
P.V.I.
Elev. 171.62
No V.C.
P.V.I.
Elev 171.77
No V.C.
13+75
-0.280%
+0.4 Mi.Gr.
+0.300%
+0.4 Mi.Gr.
F/L 168.6
F/L 168.3
6'
25'
45'
50'
76.18'
141.2' E NW Cor.
SE¼ 18-27-28
N.L. Lot 14, Blk. D.

| CURVE DATA BASED ON N. R. | | | R = 231.9' | Δ 49°-54' | |
|---|---|---|---|---|---|
| Sta. | Arc | Chd @ N Cb | Chd @ S Cb | Deflection | Total Defl's. |
| P.C. 11+43.93 | | | | 0° 00' 00" | 0° 00' 00" |
| +75 | 30.57' | 31.51' | 37.58' | 3° 46' 53" | 3° 46' 53" |
| 12+00 | 25.0' | 25.74' | 30.70' | 3° 06' 18" | 6° 52' 11" |
| +25 | " | " | " | " " " | 9° 57' 29" |
| +50 | " | " | " | " " " | 13° 02' 47" |
| +75 | " | " | " | " " " | 16° 08' 05" |
| 13+00 | " | " | " | " " " | 19° 13' 23" |
| +25 | 25.0 | 25.74' | 30.70' | 3° 05' 18" | 22° 18' 41" |
| P.T. 13+46.4 | 21.4' | 22.00' | 26.23' | 2° 38' 19" | 24° 57' 00" |

74/213 Min/R.

NOTE:
Paving Contractor will excavate ditch as shown, 6' flat bottom with 4:1 side slopes. To be pd. as C.Y. Excav. Field Engr. will take Orig & Final Cross Sections.

2/3

14-Eng
1-Water