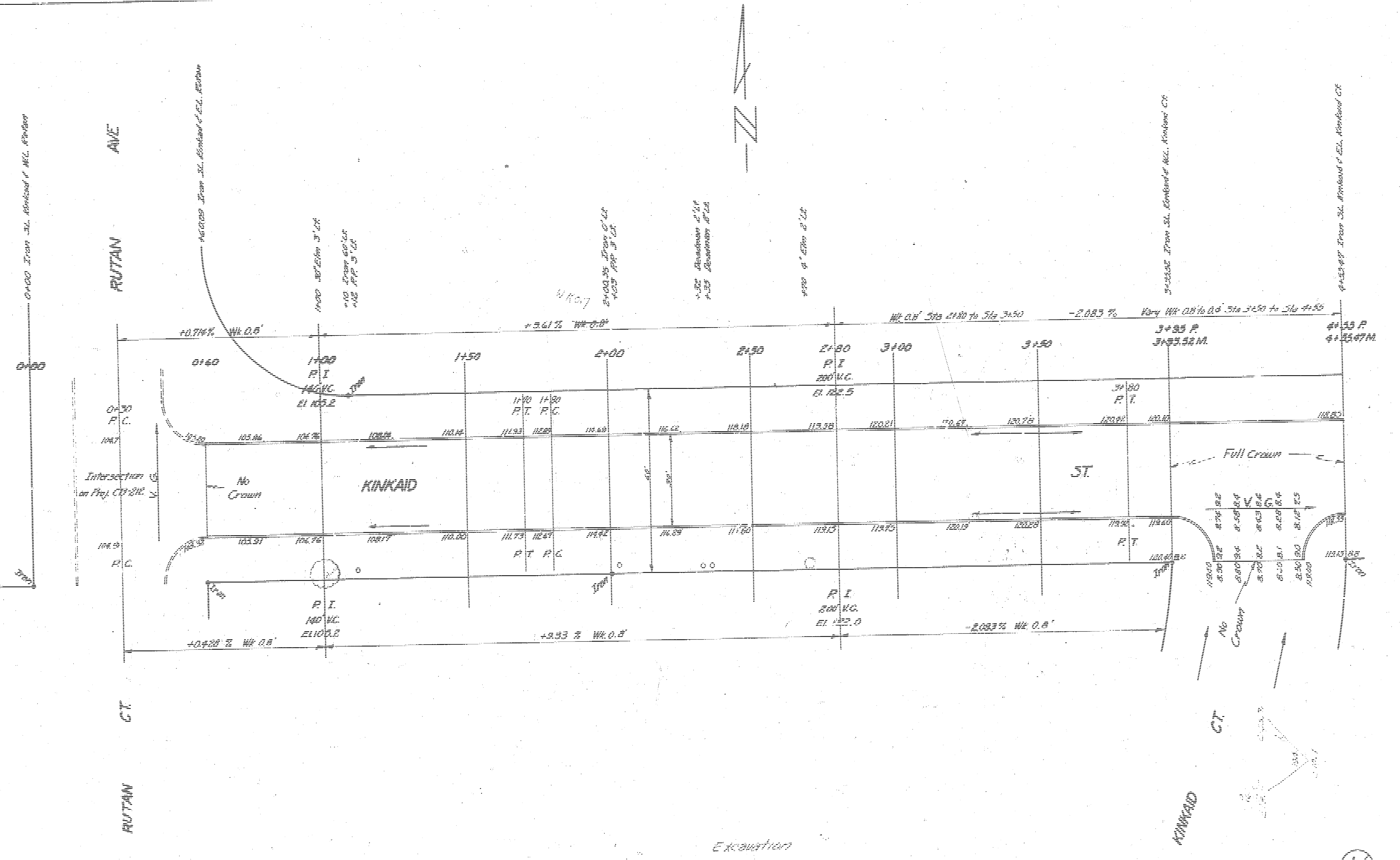

RUTAN AVE
RUTAN CT.
KINKAID ST.
KINKAID CT.
N
0+00 Iron 3L Kinkaid & W.L. Rutan
+60.09 Iron 3L Kinkaid & E.L. Rutan
1+00 30" Elm 3' Lt.
+10 Iron 60' Lt.
+12 P.P. 3' Lt.
2+00.35 Iron 6' Lt.
+03 P.P. 3' Lt.
+32 Boulder 2' Lt.
+33 Boulder 8' Lt.
+90 4" Elm 2' Lt.
3+35.52 Iron 3L Kinkaid & W.L. Kinkaid Ct.
4+33.47 Iron 3L Kinkaid & E.L. Kinkaid Ct.
+0.714% Wk 0.8'
+3.61% Wk 0.8'
Wk 0.8' Sta 2+80 to Sta 3+50
-2.083%
Vary Wk 0.8' to 0.6' Sta 3+50 to Sta 4+55
0+00
0+40
0+30 P.C.
1+00 P.I. 140 V.C. El 103.2
1+50
1+70 P.T.
1+80 P.C.
2+00
2+50
2+80 P.I. 200 V.C. El 122.5
3+00
3+50
3+80 P.T.
3+35 P. 3+35.52 M.
4+33 P. 4+33.47 M.
Intersection on Proj. CD-212
No Crown
Full Crown
No Crown
P.I. 140 V.C. El 100.2
P.I. 200 V.C. El 122.0
+0.428% Wk 0.8'
+3.53% Wk 0.8'
-2.083% Wk 0.8'
V.G.
Iron

B.M. 107.27 Large staple 1" between prongs N side P.P. S.W. cor. Rutan & Kinkade
B.M. 121.75 "M" in Mueller, fire plug, N.W. cor. Geo Wash. Blvd & Belleire
Stationing on S.R.

Excavation

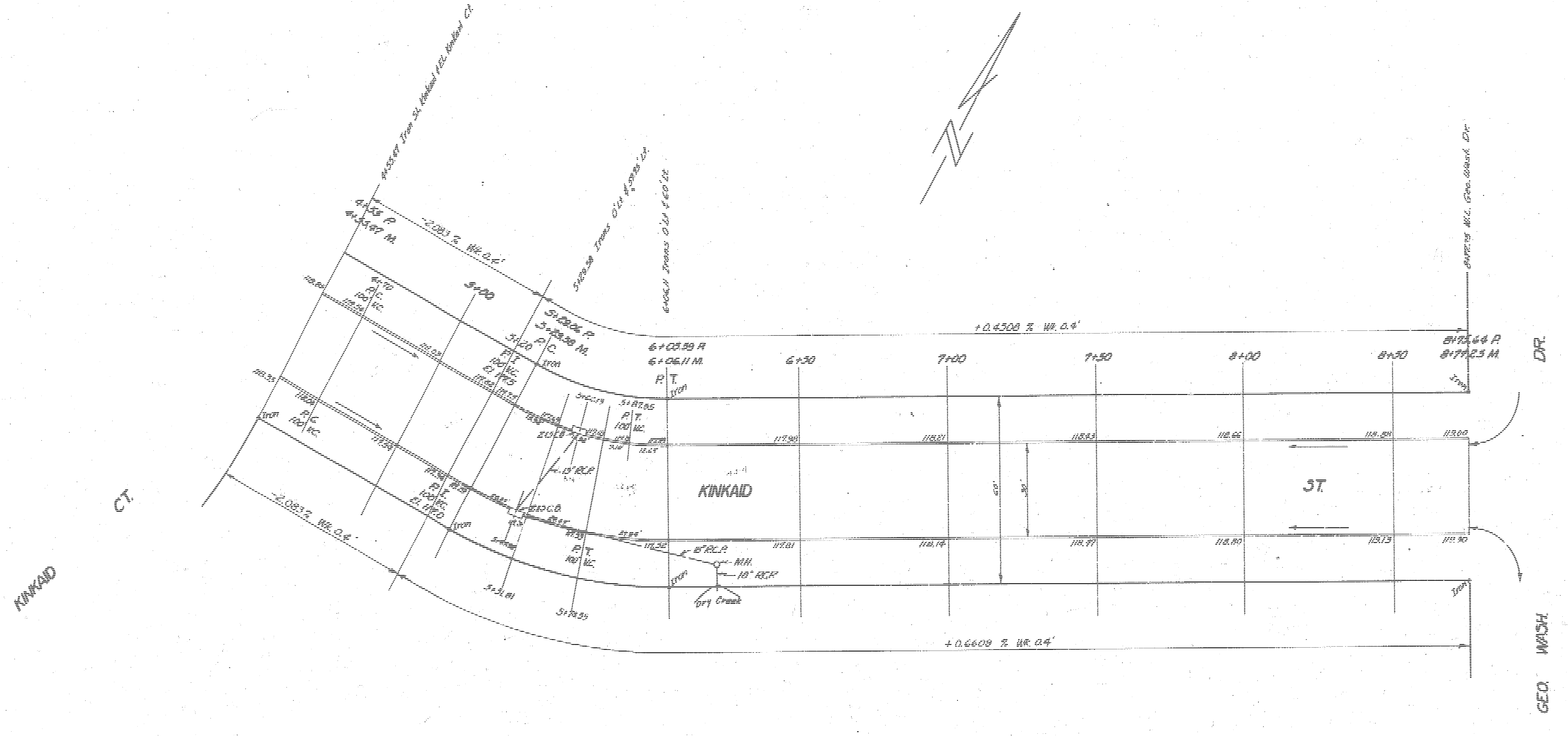
|  | Prop. Cut | Prop. Fill | City Cut | City Fill |
|---|---|---|---|---|
|  | 1679.2 | 87.1 | 33.0 | 7.6 |
| +10% | 167.9 | 8.7 | 3.3 | 0.8 |
| Total | 1847.1 cu. yds. | 95.8 cu yds | 36.3 cu yds. | 8.4 cu yds. |

1/3

B.E. SMITH
LICENSED
436
KANSAS
PROFESSIONAL ENGINEER

KINKAID ST.
C.L. RUTAN TO W.L. GEO. WASH. DR.
30' CONC. & CB.

CITY OF WICHITA KANSAS
B.E. SMITH CITY ENGINEER
APRIL 1954 PROJ. NO. C13-210



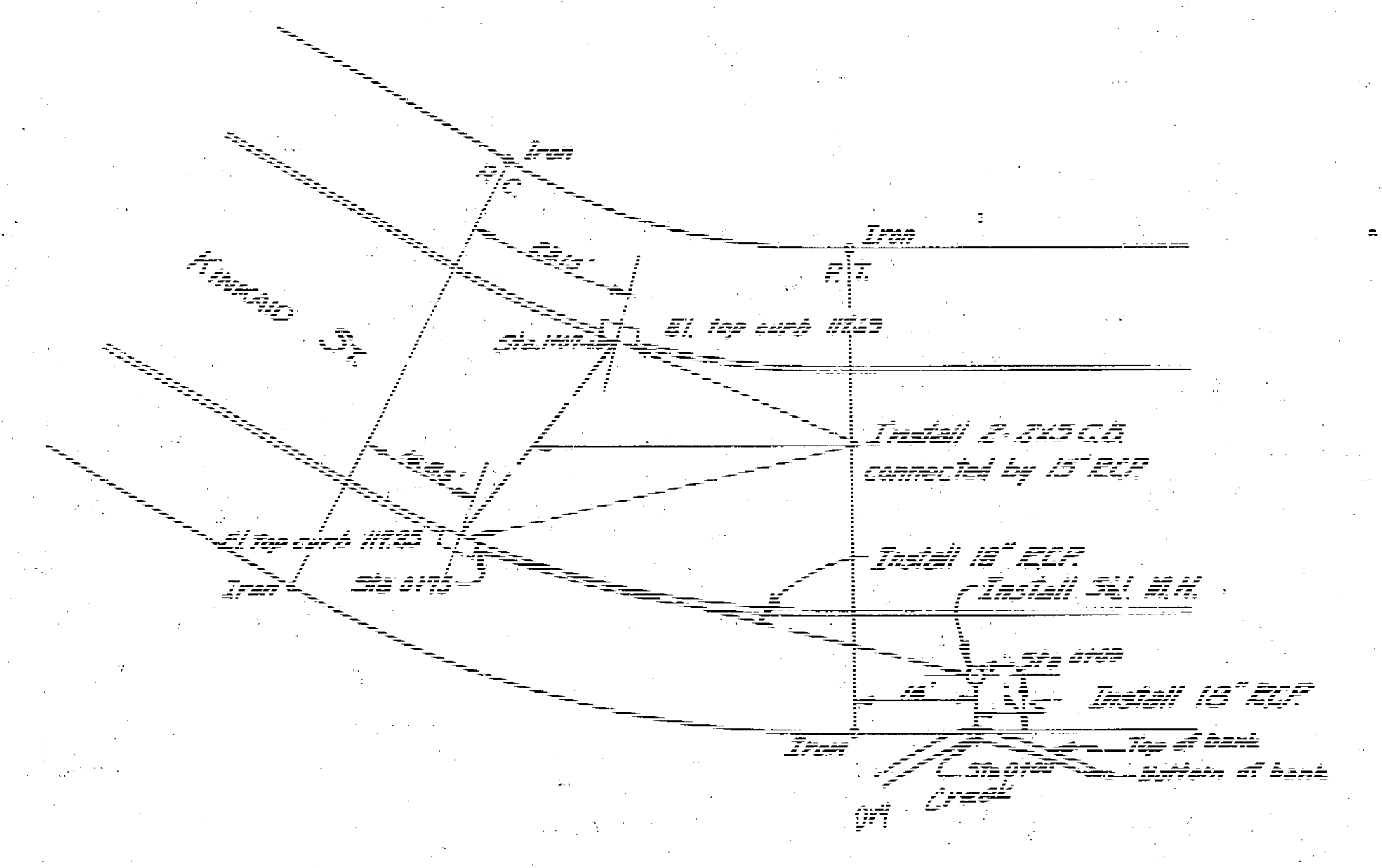
KINKAID CT.
KINKAID
ST.
GEO. WASH. DR.
-2.083 % W.R. 0.4'
+0.4308 % W.R. 0.4'
+0.6609 % W.R. 0.4'
4+35 P.
4+34.97 M.
5+00
5+20
P.C.
Iron
5+29.06 P.
5+28.99 M.
6+05.39 P.
6+06.11 M.
P.T.
P.C.
100 V.C.
P.T.
100 V.C.
5+87.55
15" RCP
C.B.
5+51.81
5+74.55
6+50
7+00
7+50
8+00
8+50
8+77.44 P.
8+77.25 M.
117.96
118.21
118.43
118.66
118.84
119.09
117.81
118.14
118.47
118.80
119.13
119.30
18" RCP
M.H.
18" RCP
Dry Creek
Iron
N

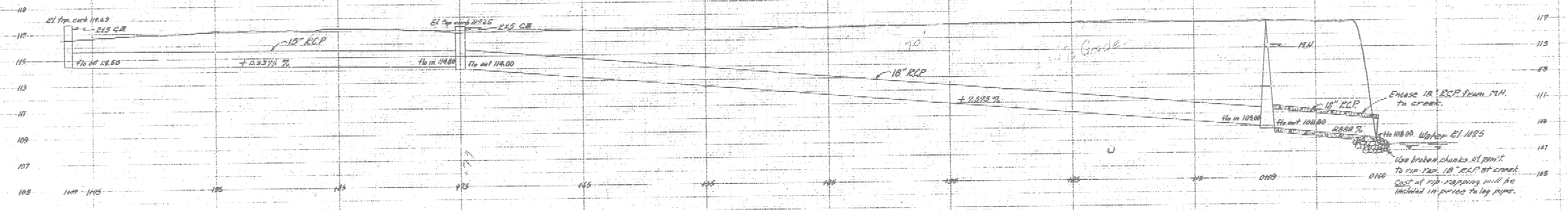
| CURVE DATA STA. 5+29.06 TO STA. 6+05.39 | | | | | |
|---|---|---|---|---|---|
| 6' O.S. from face S Cb. Δ=33°14' R=141' L=71.94' | | | | | |
| Station | Arc L. | Chord Length 6' O.S. S. C. | Chord Length 6' O.S. N. C. | Defl. ∠ | Total Defl. ∠ |
| 5+29.06 P.C. | | | | | |
| 5+51.81 | 22.73' | 21.37' | 15.00' | 4°20'43" | 4°20'43" |
| 5+74.55 | 22.74' | 21.36' | 14.99' | 4°20'36" | 8°41'19" |
| 6+05.39 P.T. | 31.04' | 29.12' | 20.45' | 5°55'41" | 16°37' = $\frac{\Delta}{2}$ |

②/5

KINKAID ST.

Proj. No. C13-210


Iron
P.C.
Iron
P.T.
Kinkaid St.
El. top curb 117.49
Install 2-2x5 C.B.
connected by 15" RCP
El top curb 117.25
Sta 0175
Iron
Install 18" RCP
Install Std. M.H.
Sta 0109
14'
Install 18" RCP
Top of bank
Bottom of bank
Iron
Sta 0100
Creek


119
117
115
113
111
109
107
105
El top curb 117.49
2x5 C.B.
15" RCP
Flo out 116.60
+0.3375 %
El top curb 117.25
2x5 C.B.
Flo in 115.84
Flo out 116.00
18" RCP
+2.5175 %
Grade
M.H.
Flo in 109.00
Flo out 108.80
18" RCP
Encase 18" RCP from M.H. to creek.
Flo 108.00
Water El 107.5
Use broken chunks of pav't to rip-rap 18" RCP at creek. Cost of rip-rapping will be included in price to lay pipe.
0109
0100
117
115
113
111
109
107
105

3/5

INCIDENTAL DRAINAGE

Kinkaid St.

E.L. Hillside to W.L. Geo. Wash. Dr.

Proj. No. C13-210