B.M. 90.65 Top Iron in Flood Control R/W Marker 200' N. & 75' W. W. of N. End Big Ark. River Bridge @ Hydraulic

Base line for X-Sects on N. Cb. line 45' S. of N. R/W

Grand Total

	Excav.		Fill	
	Prop.	C.Yd	Prop	C.Yd
+10%	1119.4	150.0	112.9	97.8
+10%	118.0	19.2	11.3	9.8
Tot	1237.4 cu. yd.	Tot	169.2 cu. yd.	Tot	124.2	Tot	107.6 cu. yd.

	Excav.		Fill	
	Prop.	C.Yd	Prop	C.Yd
	76.1 cu. yd.		64.2 cu. yd.	

Survey of
Date Dec.
Field Book
Checked

Bk. R.W.Y.

Ave.

70'

-0.337%
Wt. 0.4'

0+00 | 0+50 | 1+00 | 1+50 | 2+00 | 2+40.72

N½ Galena

Iola

60'

60.32'

-0.337%
Wt. 0.4'

2+72.04 | 3+00 | 3+50 | 4+00 | 4+50 | 4+77.76

Laura

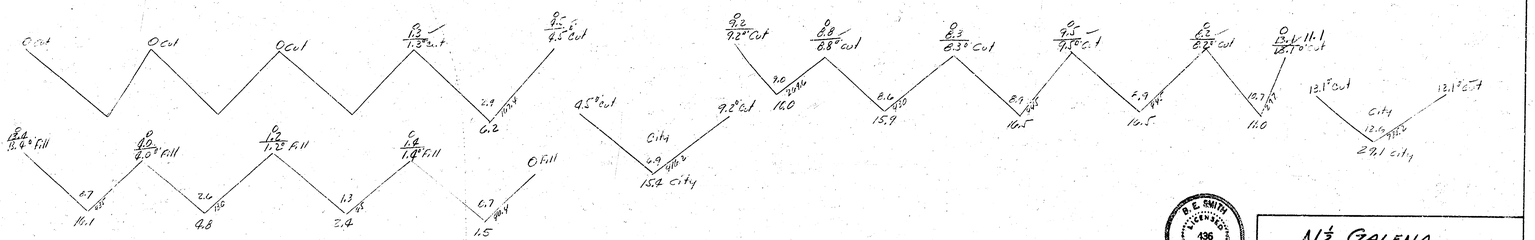
60'

-0.327%

5+46 | 5+48.88

Iron

Washington



B. E. SMITH
LICENSED
436
KANSAS
PROFESSIONAL ENGINEER

1/5

N½ GALENA

W.L. WASHINGTON TO W.L. HYDRAULIC

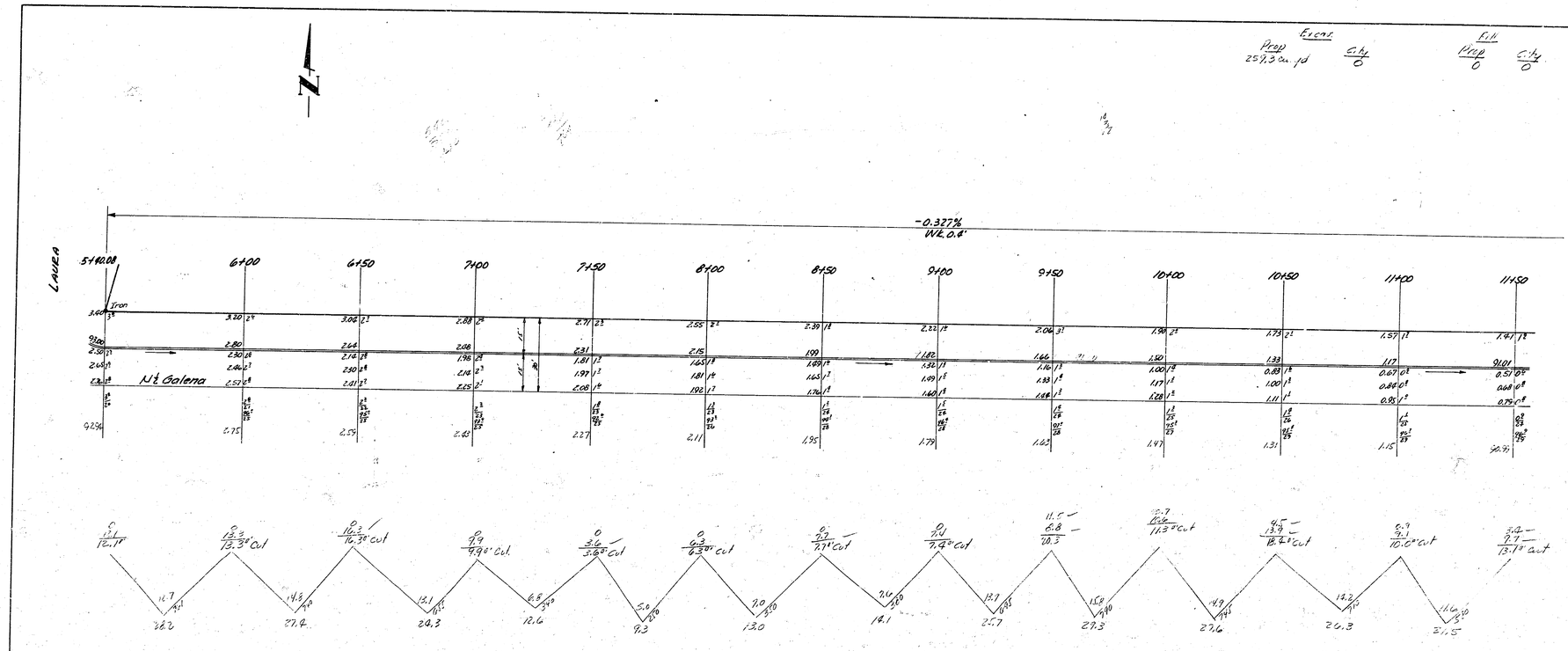
15' CONC. & CO.

CITY OF WICHITA, KANSAS

B.E. SMITH — CITY ENGINEER

OCT. 1955 — Proj. No. C15-221

Excav.		Fill	
Prop	C.Yd	Prop	C.Yd
2571.3 cu. yd	0	0	0



2
5

N ± GALENA
W.C. WASHINGTON TO W.C. HYDRAULIC
PROJ No. C15-221

Excav.		Fill	
Prop.	City	Prop.	City
377.6 c.y.	74.7 c.y.	0	0

N

- 0.327 %
Wt. 0.4'

- 0.120 %
Wt. 0.4'

PATTIE

60'

No Crown

11+50 12+00 12+50 13+00 13+34.08 13+94.8 14+00 14+50 15+00 15+50 16+00 16+50 17+00 17+50

1.41 1.20 1.08 0.92 0.80 0.50 0.43 0.37 0.31 0.25 0.19 0.13 0.07

91.01 0.88 0.68 0.52 90.60 90.10 0.03 9.97 9.91 9.85 9.79 9.73 89.67

2.57 0.38 0.18 0.00 9.53 9.47 9.41 9.35 9.29 9.23 9.17

0.66 0.51 0.35 0.19 9.39 9.34 9.28 9.22 9.46 9.40 9.34

0.79 0.65 0.47 0.31 0.05 9.75 9.69 9.63 9.52 9.46 9.40

N½ Galena

½ Crown

½ Crown

9.55 6.03 6.67 6.51 90.90 90.10 0.03 9.97 9.91 9.85 9.79 9.73 89.67

VC

3.4 / 7.7 / 13.1° cut — 14.3 — 27.2

3.9 / 12.5 / 16.4° cut — 11.9 — 31.3

6.4 / 11.5 / 17.9° cut — 20.2 — 37.2

6.1 / 14.9 / 23.0° cut — 21.3 — 26.9

6.4 / 11.5 / 17.5° cut

11.1° cut — 15.9 — 35.1 City — 20.5° cut

12.6 / 20.5 / 33.1° cut — 27.6 — 52.6

6.6 / 11.0 / 17.6° cut — 14.2 — 26.3

3.7 / 7.0 / 10.7° cut — 14.2 — 26.5

4.1 / 13.8 / 17.9° cut — 20.5 — 38.0

7.0 / 16.0 / 23.0° cut — 20.2 — 38.5

5.7 / 12.7 / 18.6° cut — 16.4 — 34.2

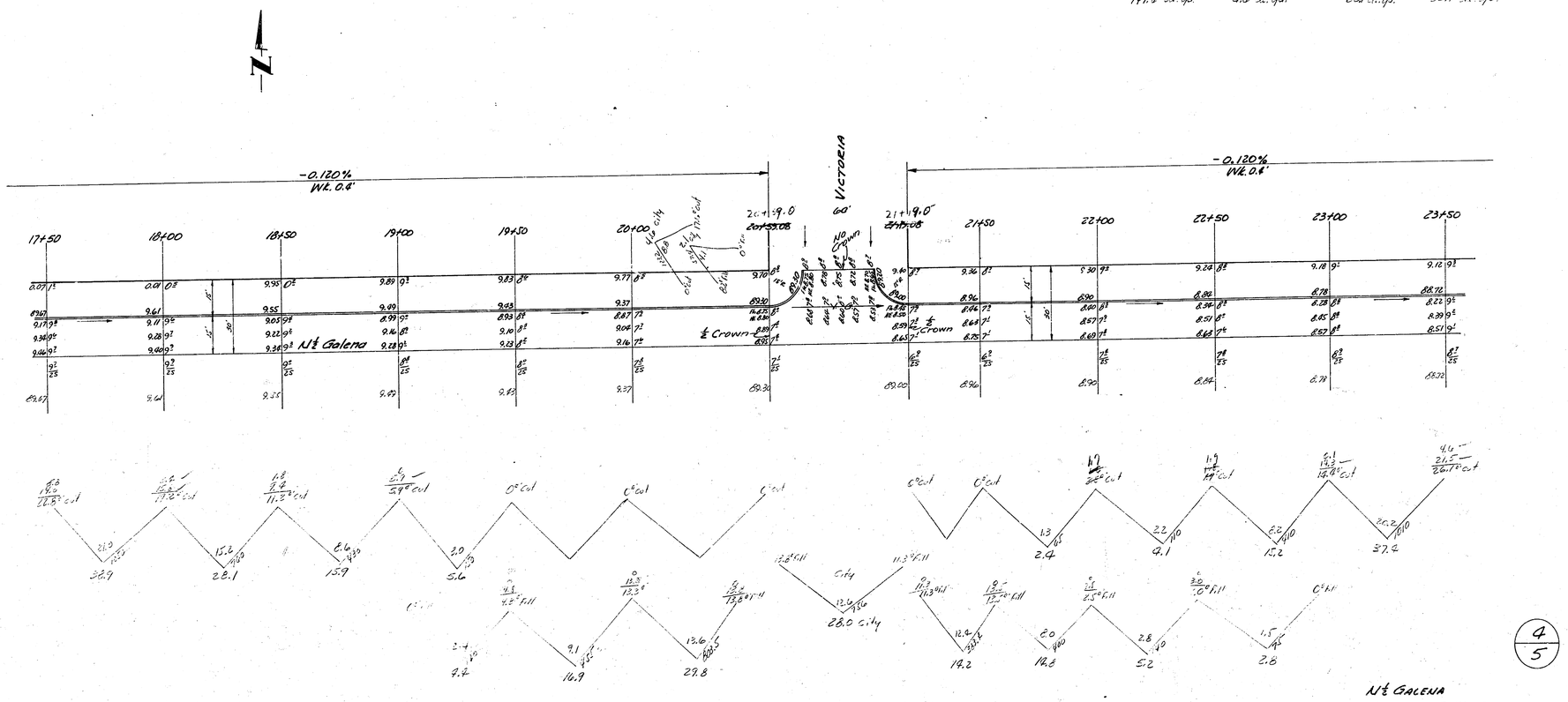
4.7 / 13.9 / 18.6° cut — 20.7 — 38.3

6.8 / 14.0 / 22.8° cut

3
5

N½ Galena
W.L. Washington To W.L. Hydraulic
Proj. No. CIS-221

Excav.		Fill	
Prop	City	Prop	City
147.6 cu. yd.	0.6 cu. yd.	881 cu. yd.	30.1 cu. yd.



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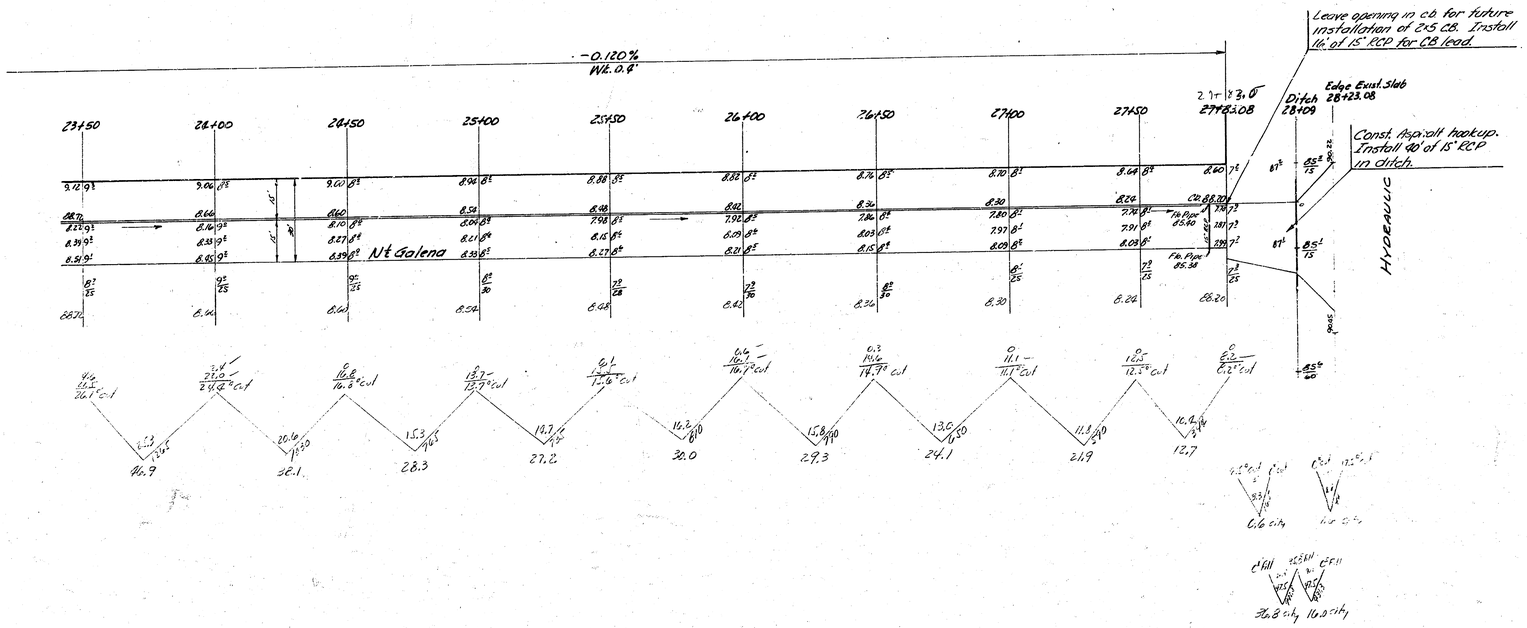
N½ GALENA
W.C. WASHINGTON TO W.C. HYDRAULIC
F.ROJ. NO. C15-221

Excav.		Fill	
Prop.	City	Prop.	City
258.5 cu. yd.	0	0	0



5/5

N. Galena
W.L. Washington To W.L. Hydraulic
Proj. No. C15-221