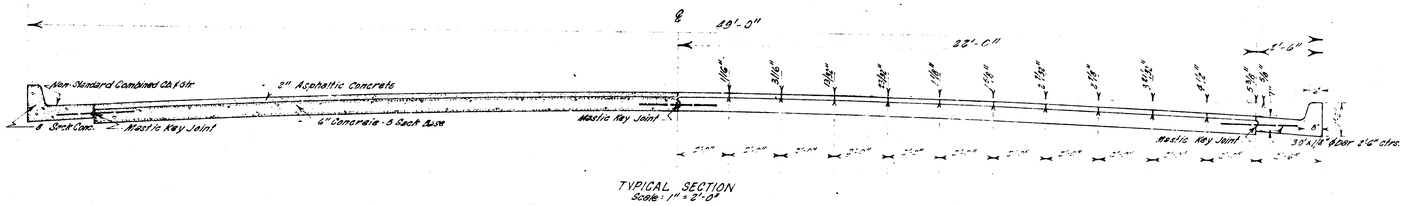
BICKEL AVENUE

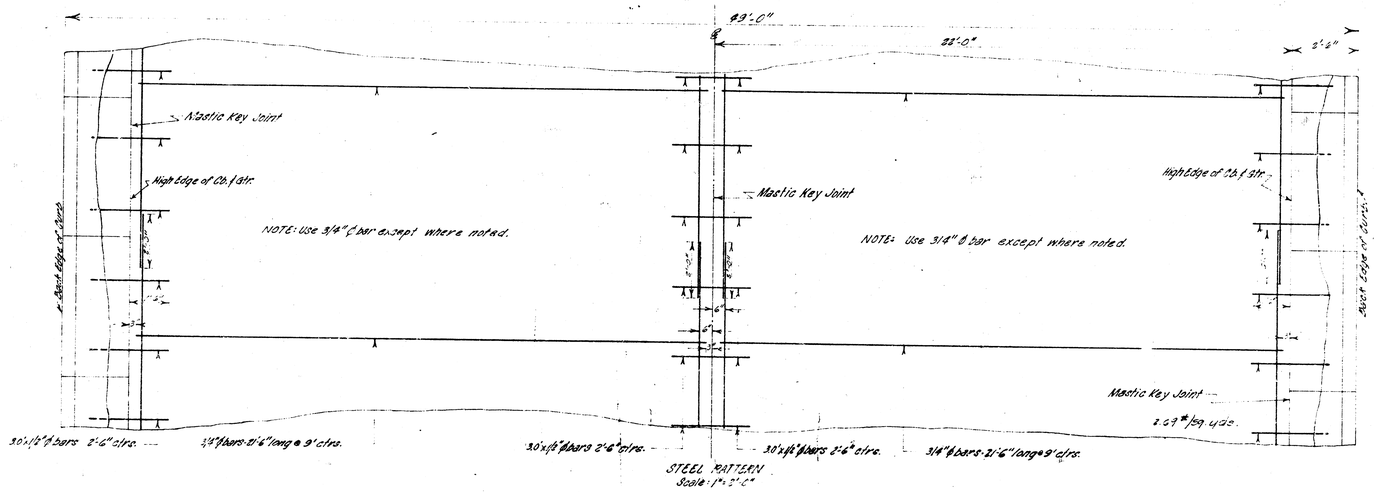
FROM W.L. SHERIDAN AVE. TO S.L. THIRTEETH STREET

PROJECT NO. C 19-230

CITY OF WICHITA KANSAS B.E. SMITH CITY ENGINEER



TYPICAL SECTION
Scale: 1" = 2'-0"



STEEL PATTERN
Scale: 1" = 2'-0"

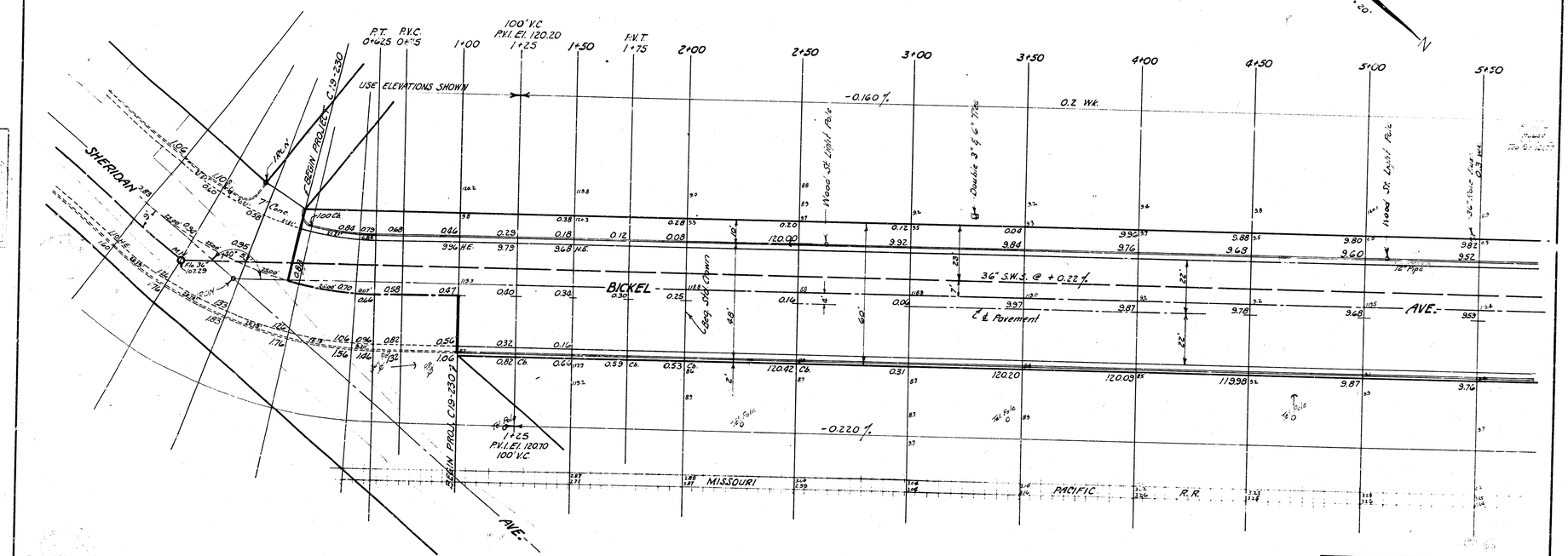
1/26

B.M. 121.66 City Standard on S.E. cor. Sheridan & Central

B.M. 119.20 R.R. Spike on S.W. side Telegraph Pole on N.E. side Bickel Sta. 1+21

Note to Field Engineer: Irons on ℄ Bickel and intersecting streets are for construction use only and are not to remain or be replaced.

Scale: 1" = 20'



PROPERTY

	EXC.	COMP. FILL
	7131 Cu. Yds.	1961 Cu. Yds.
+10 %	713 " "	196 " "
Totals	7844 " "	2157 " "

IMPROVE & REIMPROVE

EXC.	COMP. FILL
3798 Cu. Yds.	1292 Cu. Yds.
380 " "	129 " "
4178 " "	1421 " "

CITY

EXC.	COMP. FILL
1500 Cu. Yds.	52 Cu. Yds.
150 " "	5 " "
1650 " "	57 " "

JOHN L. ALLEN — LICENSED — 821 — KANSAS — PROFESSIONAL ENGINEER

LICENSED — KANSAS — SEAL

B. E. SMITH — LICENSED — 436 — KANSAS — CIVIL ENGINEER

(2/26)

BICKEL AVENUE

FROM W.L. SHERIDAN AVE. to S.L. THIRTEENTH STREET
26'-2'-30' A.C. Widen to 48 Ft.
Improve & Re-improve
B.E. SMITH CITY ENGINEER
CITY OF WICHITA KANSAS
Date: June 1957 Proj. No. C19-230

B.M. 120.21 R.R. Spike on S.W. side Telegraph Pole (Rt) Sta. 7+53

REFERENCE POINTS TO IRON STA. 8+40.16
1. 73.9' S.E. to ctr. wood street light pole.
2. 51.4' S.W. to S.E. corner of R.R. tie fence post.

Grade & Gravel Hook-up

N

5+50 6+00 6+50 7+00 7+50.8 8+00 8+50 9+00 9+50 10+00 10+50 11+00 11+50 12+00

Frame House Top Flr. 127.77

-0.160 %

0.3 Wk.

10" Thick Trees

Cyclone

24" Tree

GOW

Wood St. Light Pole

AVE.

30'

Conc. Block Garage Conc. Floor 122.23

4 Strand Barbed Wire Fence

4.0 Face Bush

6" Lilac Bush

5" Plain Wire Fence

+0.128 %

0.3 Wk.

Wood St. Light Pole

Chainlink 6' high

7" Tree

5" Tree

3" Tree

7" Conc. 8.10 Fla. 8.80 H.E.

Fla(cr) 114.00

109.22 Fla 36"

36" @ 0.22 %

14-3" Tree Stumps (4' High)

BICKEL

Use Elevations Shown

IRON 110.60 Fla 30"

℄ E Pavement

AVE.

-0.220 %

+0.164 %

8+40.16

8+50
P.V.I. El. 119.10
No V.C.

3/26

C19-230

B.M. 121.86 R.R. Spike on S.W. side Telegraph Pole (Rt) Sta. 13+37

REFERENCE POINTS TO IRON STA. 14+11.13

1. 44.8' W to center of 8" Elm Tree
2. 67.4' S.E. to center of street light pole

12+00 12+50 13+00 13+20.4 ± 14+00 14+21.0 ± 14+50 15+00 15+50 16+00 16+50 17+00 17+50 18+00 18+50

+0.129 % 0.3 Wk. +0.207 % 0.3 Wk.

JOHN BICKEL AVE.

Grade & Gravel Hook-up

Use Elevations Shown

7" Conc.

36" SWS S 5° +0.22 %

Sta. 14+21.30 (±) IRON 2.5' as(sc) Lt

10" Tree

3" Trees

4' Woven Wire Fence

Wood Street Light Pole

Double 12" Trees

Double 6" Trees

Street Light Pole

Sta. 12+16.3 ± IRON 23.80 Lt

Fin. 118.80

Fin. 119.00

Sta. 13+37 Fin. 118.80

11042 Fin 36"

Lt Pavement

+0.164 %

14+11.13

13+50 14+00

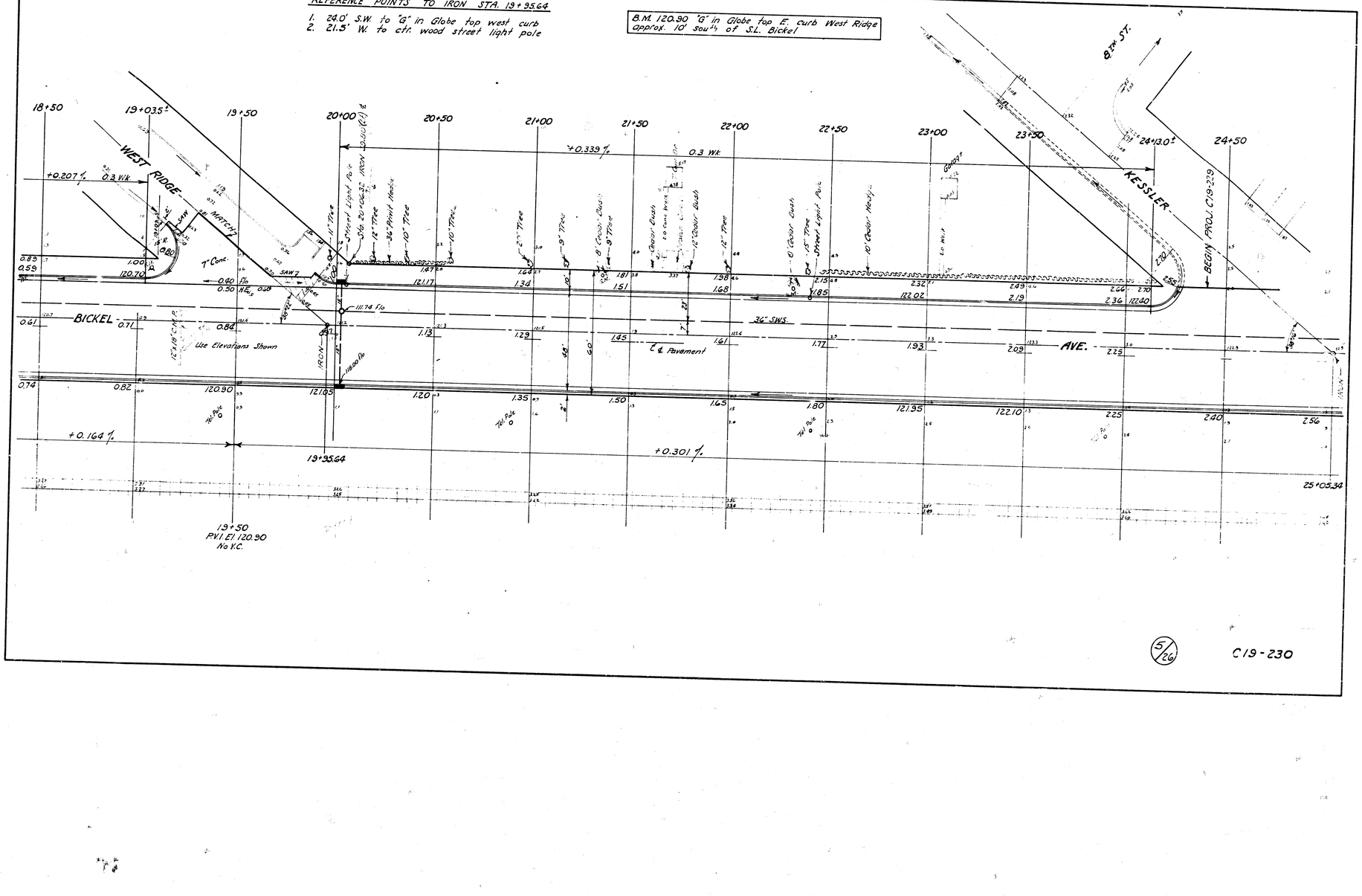
4/26

C19-230

REFERENCE POINTS TO IRON STA. 19+95.64

1. 24.0' S.W. to "G" in Globe top west curb
2. 21.5' W. to ctr. wood street light pole

B.M. 120.90 "G" in Globe top E. curb West Ridge approx. 10' sou½ of S.L. Bickel



5/26

C19-230

REFERENCE POINTS TO IRON STA. 25 + 05.34

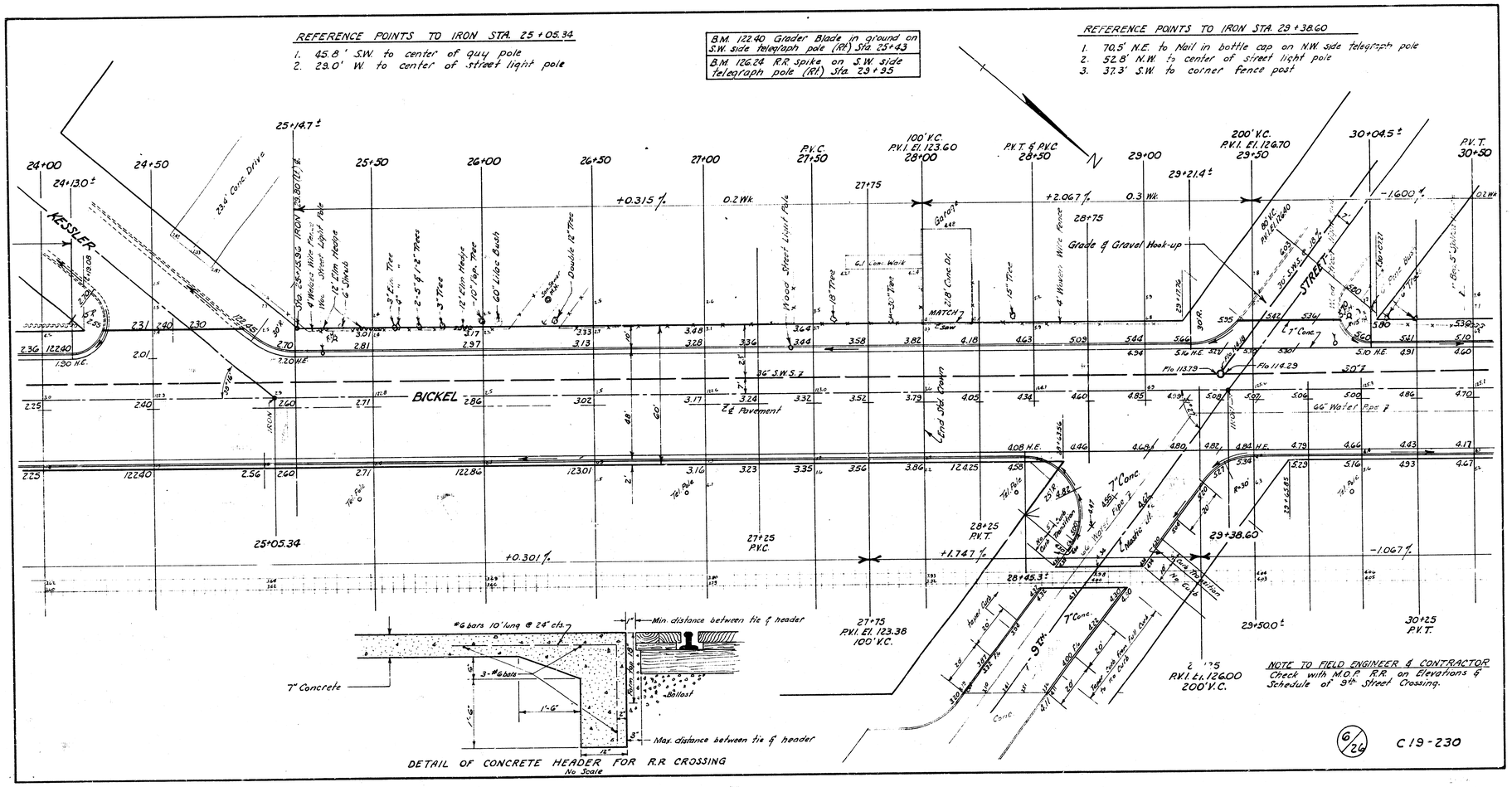
1. 45.8' S.W. to center of guy pole
2. 29.0' W. to center of street light pole

B.M. 122.40 Grader Blade in ground on S.W. side telegraph pole (Rt) Sta. 25+43

B.M. 126.24 RR spike on S.W. side telegraph pole (Rt) Sta. 29+35

REFERENCE POINTS TO IRON STA. 29 + 38.60

1. 70.5' N.E. to Nail in bottle cap on N.W. side telegraph pole
2. 52.8' N.W. to center of street light pole
3. 37.3' S.W. to corner fence post



DETAIL OF CONCRETE HEADER FOR R.R. CROSSING
No Scale

NOTE TO FIELD ENGINEER & CONTRACTOR
Check with M.O.P. R.R. on Elevations & Schedule of 9th Street Crossing.

G/26

C 19-230

B.M. 123.45 Grader blade in ground on S.W. side telegraph pole (Rt.) Sta. 35+96

REFERENCE POINTS TO IRON STA. 35+96.37

1. 25.0' W. to center of street light pole.
2. 51.7' S.W. to center of 9" Elm tree.

NOTE: Grade Hook-up and Surface with Road Gravel (2" thick)

P.V.T. & P.V.C. 30+50 | 31+00 | 200' V.C. P.V.I. El. 123.50 31+50 | 32+00 | P.V.T. 32+50 | 33+00 | 33+50 | 34+00 | 34+50 | 35+00 | 35+07.2± | 35+50 | 36+07.0± | 36+50 | 37+00

−1.600 ℄ 0.2 W.E. | −0.224 ℄ 0.2 W.E. | +0.200 ℄ 0.3 W.E.

30+75 | 31+25 | 31+75 | 32+25

5" Spruce | 15" Tree | 15" Tree | 6" Tree | Wood Street Light Pole | 17" Tree | 24" Tree | ILLINOIS | 12.40 | Wood Street Light Pole | Bus & Hackney Pole | 10" Tree

5.30 5.10 4.72 4.39 4.09 4.04 3.84 3.63 3.48 3.35 3.28 3.48 3.36 3.25 3.14 3.03 2.92 2.72 2.45 2.55 2.90 2.60 2.99 2.69 3.09 2.79

7" Conc. | 2.20 F/G 2.30 N.E. | 2.20 N.E. | 30" S.W.S. @ +.20 ℄

4.70 4.24 4.24 3.78 3.47 3.29 3.18 3.07 2.97 2.86 2.78 2.75 2.75 2.80 2.91

Log Std Crown | BICKEL | 3/4" water Line | 66' | 60' | ℄ Pavement | 6" Water Pipe Top Pipe Elev. 2.20 | Use Elevations Shown | 25°45' | 12' | AVE.

4.67 4.41 4.19 4.00 3.82 3.68 3.56 3.46 3.40 3.30 3.20 3.10 3.00 2.90 2.80 2.90 2.92 3.02 3.13

Tel. Pole | Tel. Pole | Tel. Pole | Tel. Pole | 35+36.37

−1.067 ℄ | −0.200 ℄ | +0.218 ℄

30+50 P.V.C. | 31+50 P.V.I. El. 123.60 200' V.C. | 32+50 P.V.T. | 35+50 P.V.I. El. 122.80 No V.C.

R/W | 1.5' | 2.0' | 2.7'± | 50' from edge of South Trail.

H₂O Control Cable From 9th St. to 13th St.

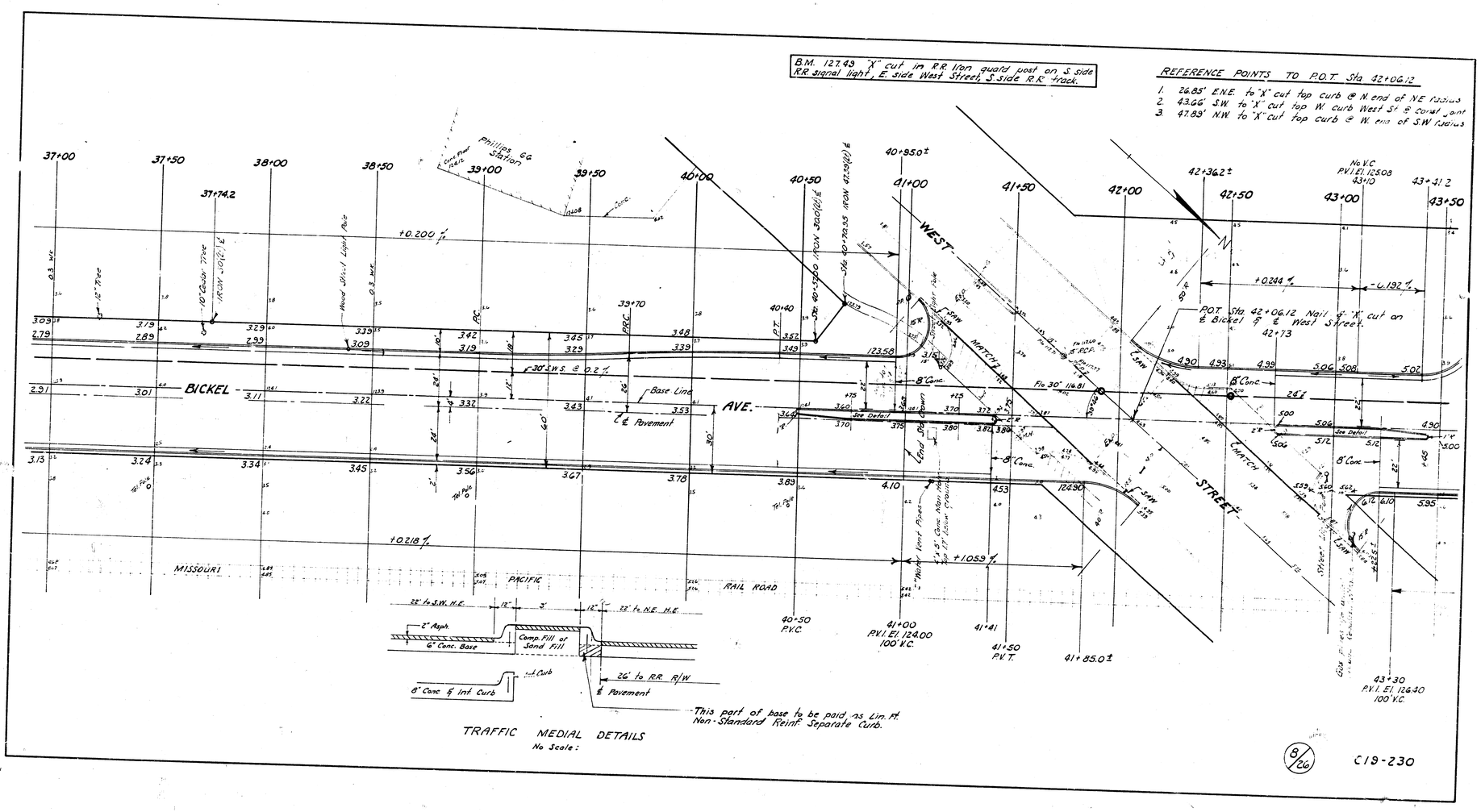
7/26

C19-230

B.M. 127.49 "X" cut in R.R. iron guard post on S. side R.R. signal light, E. side West Street, S. side R.R. track.

REFERENCE POINTS TO P.O.T. Sta. 42+06.12

1. 26.85' E.N.E. to "X" cut top curb @ N. end of N.E. radius
2. 43.66' S.W. to "X" cut top W. curb West St. @ const. joint
3. 47.89' N.W. to "X" cut top curb @ W. end of S.W. radius



TRAFFIC MEDIAL DETAILS
No Scale:

8/66

C19-230

REFERENCE POINTS TO IRON STA. 46+40.44

1. 43.9' N.E. to center of telegraph pole.
2. 95.4' W. to end of S. curb on 11th St.

B.M. 12639 R.R. spike on S.W. side Telegraph pole (P1) Sta 46+52

MEMORY LANE

BICKEL AVE.

11TH. STREET

50' V.C. P.V.I. El. 123.00 45+50

P.V.C. 45+25

P.V.T. 45+75

-1.087 %

+0.270 %

-1.656 %

+0.200 %

+0.160 %

0.3 Wk.

Grade to match exist'g

Use Elevations Shown

℄ Pavement

℄ MATCH

IRON 47+60.05 2.62 (R)

IRON 46+40.44

45+25 P.V.I. El. 123.17 100' V.C.

43+50 43+80 P.V.T. 44+00 44+25 46+75 P.V.C. 45+75 P.V.T. 46+50 47+00

9/26

C 19-230

B.M. 125.82 N.E. corner bottom conc. step Ho. # 4110 Bickel

B.M. 128.63 R.R. spike on S.W. side telegraph pole (Rt) Sta. 55+53

REFERENCE POINTS TO IRON STA 55+27.25

1. 50.7' N.E. to center of telegraph pole.
2. 43.0' S.W. to nail in bottle cap on N.W. side large elm tree.

NOTE: Grade dirt hook-up and surface with road gravel (2" thick)

50+00 50+50 51+00 51+50 52+00 52+50 53+00 53+50 54+00 54+50 55+00 55+11.2± 55+38.5± 56+00 56+50

STREET

BICKEL

AVE.

+0.160% 0.3 Wk. +0.200% +0.560% +0.600%

Entrance Mound Bent Spruce 15.0 Dia. Tree 1.53 Dia. Board Fence 1.15 Dia. 3-Rail Picket Fence Street Light Pole Guard Post Dead 18.80 15.30+39 IRON 23.33 (41) E Dia. 41.0 Elm Tree 5.4+ 48" CMP 36" CMP 7.0" Tree 6" Conc. Pedestals Garage Floor 55.80 4" Woven Wire Fence Front Steps Top of Top 127.29 Power Service Line on Pole 6" Water Gate Box 12" CM 30" C.M.P. Cy Conc. 18" R.C.P. 12" R.C.P. 30.0' 27.0' 12" C.M.P. 4.12 N.E. 4.22 N.E. 4.32 N.E. 538 555 508 Use Elevations Shown

3.80 3.83 3.96 4.04 4.12 4.20 4.28 124.36 4.44 4.52 4.60 4.62 4.80 4.82 4.98 5.13

3.91 4.00 4.09 4.18 4.27 4.36 4.45 4.54 4.63 4.72 4.81 4.92 5.31

4.12 124.22 4.32 4.42 4.52 4.62 4.72 4.82 124.92 125.02 5.12 5.22 5.27 5.34 5.44 5.60

1" Dia. Tree in Ditch Not Measured 7.0 Pine 8.0 Pine 8.0 Pine

El. top pavement 4.78 El. sub-grade 4.11

4" Water Main Cast Iron Pipe Top of Water Main 122.50 Top of Water Main 122.50 Top of Water Main 122.50

55+27.25

56+75 P.V.C. 56+25 P.V.T. 56+00 P.V.I. El. 125.32 50' V.C.

Asph. 6" Base Sub-grade

Extra reinf. bars 24" ctr. over manhole.

Place tar paper cover over manhole.

NOTE: Contractor to cast manhole ring in base over H2O manhole as shown. (No pay item) Manhole Ring & Cover to be furnished by the City. The Water Dept. to remove existing stack on manhole.

DETAIL OF PAVEMENT OVER WATER MANHOLE STA. 54+75
No Scale

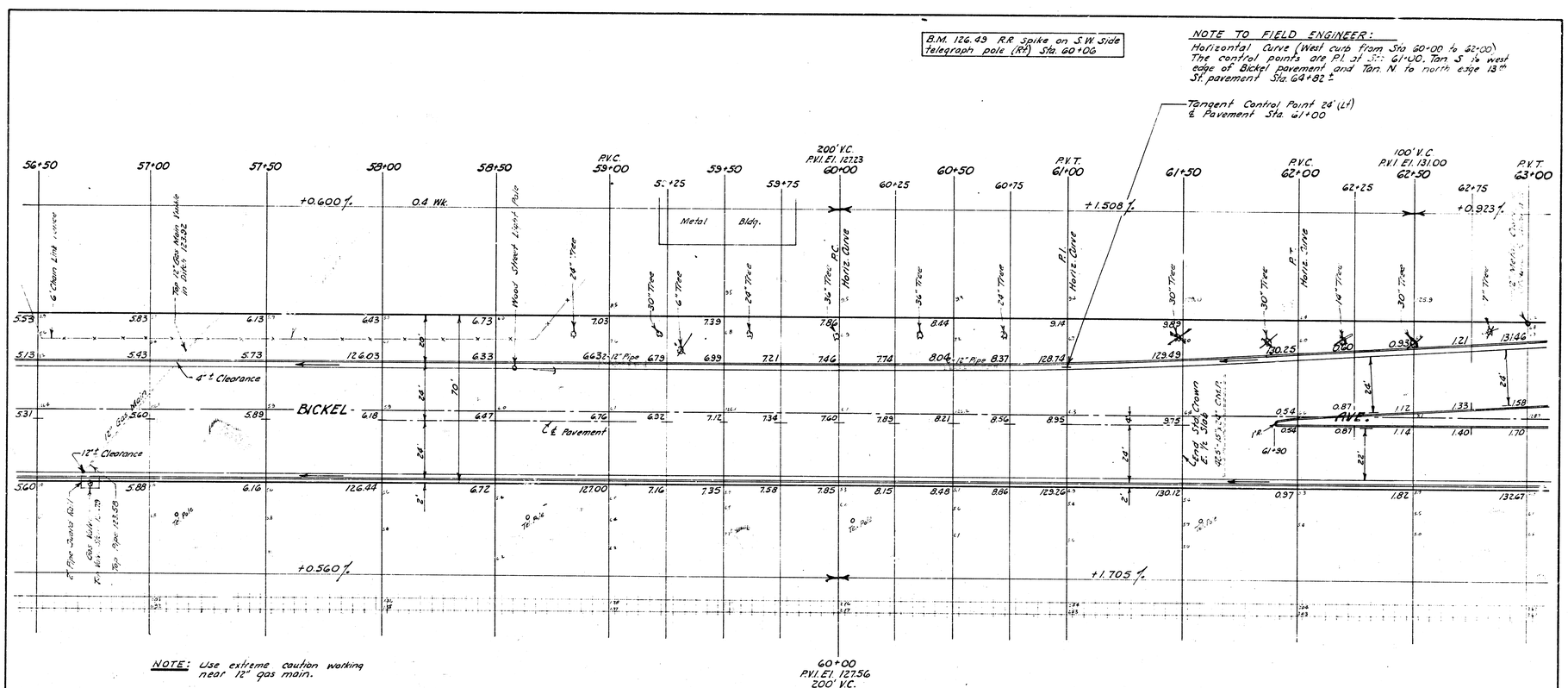
10/26

C19-230

B.M. 126.49 R.R. spike on S.W. side telegraph pole (Rt.) Sta. 60+06

NOTE TO FIELD ENGINEER:
Horizontal Curve (West curb from Sta. 60+00 to 62+00)
The control points are P.I. at Sta. 61+00. Tan. S. to west edge of Bickel pavement and Tan. N to north edge 13th St. pavement Sta. 64+82 ±

Tangent Control Point 24' (Lt) ℄ Pavement Sta. 61+00

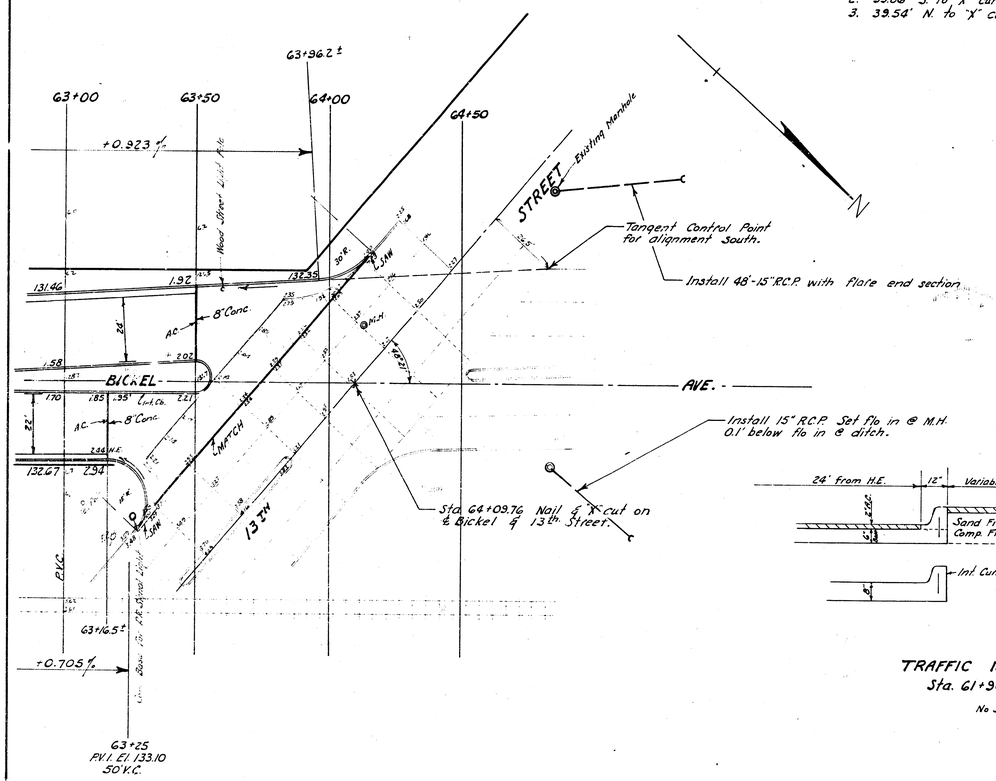


NOTE: Use extreme caution working near 12" gas main.

11/20

C19-230

B.M. 132.25 "G" in Globe top S. curb 13th St. 18' W. of W. end S.W. Radius on Bickel.

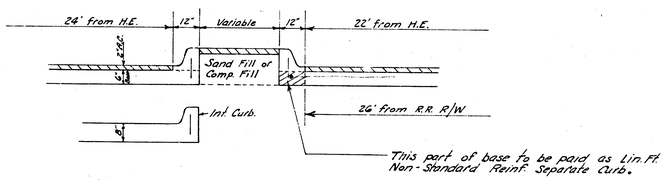


REFERENCE POINTS TO P.O.T. STA 64+09.76

1. 37.78' E. to "X" cut on cone in center of W. end 4' Island.
2. 39.86' S. to "X" cut top curb @ S. end of S.W. radius.
3. 39.54' N. to "X" cut top curb @ N. end of N.E. radius.

NOTE TO CONTRACTOR & FIELD ENGINEER

The R.R. R\W is to be graded to match the new curb elevation. Grade up from curb at 14" per foot. No grading is to be done around telegraph poles. Cost of cut in R.R. R\W will be paid as Cu. Yds. Exc. Fill in R.R. R\W will be no pay item, incidental to the Exc.



TRAFFIC MEDIAL DETAILS
Sta. 61+90 to Sta. 63+50

No Scale

(12/26) C19-230