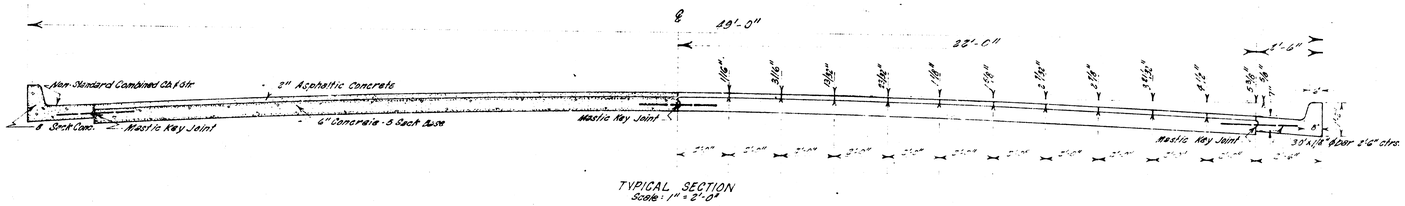
BICKEL AVENUE

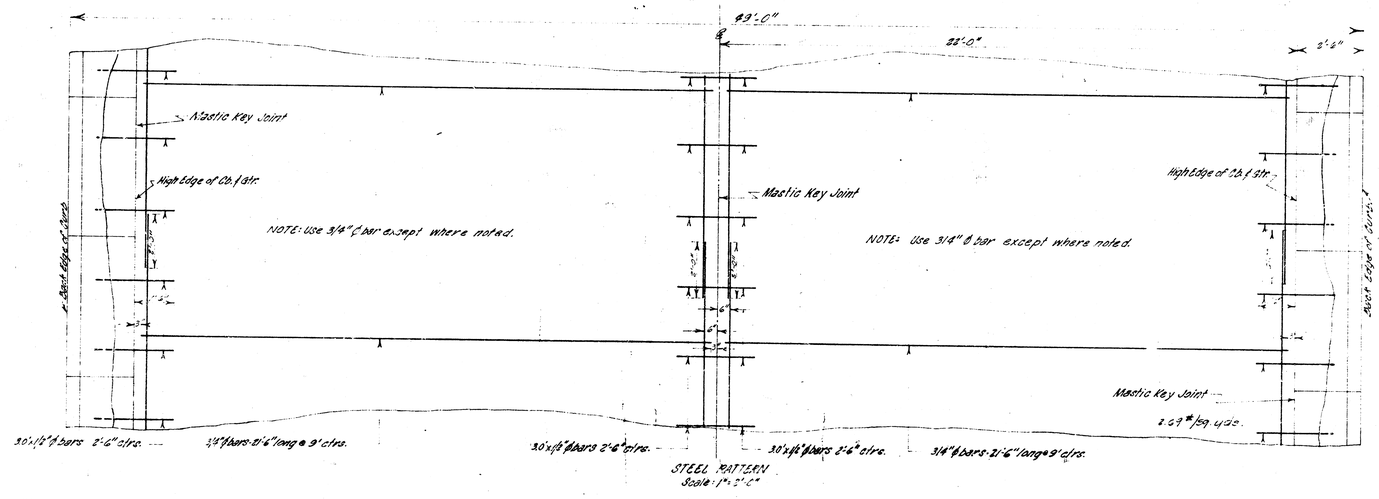
FROM W.L. SHERIDAN AVE. TO S.L. THIRTEETH STREET

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"

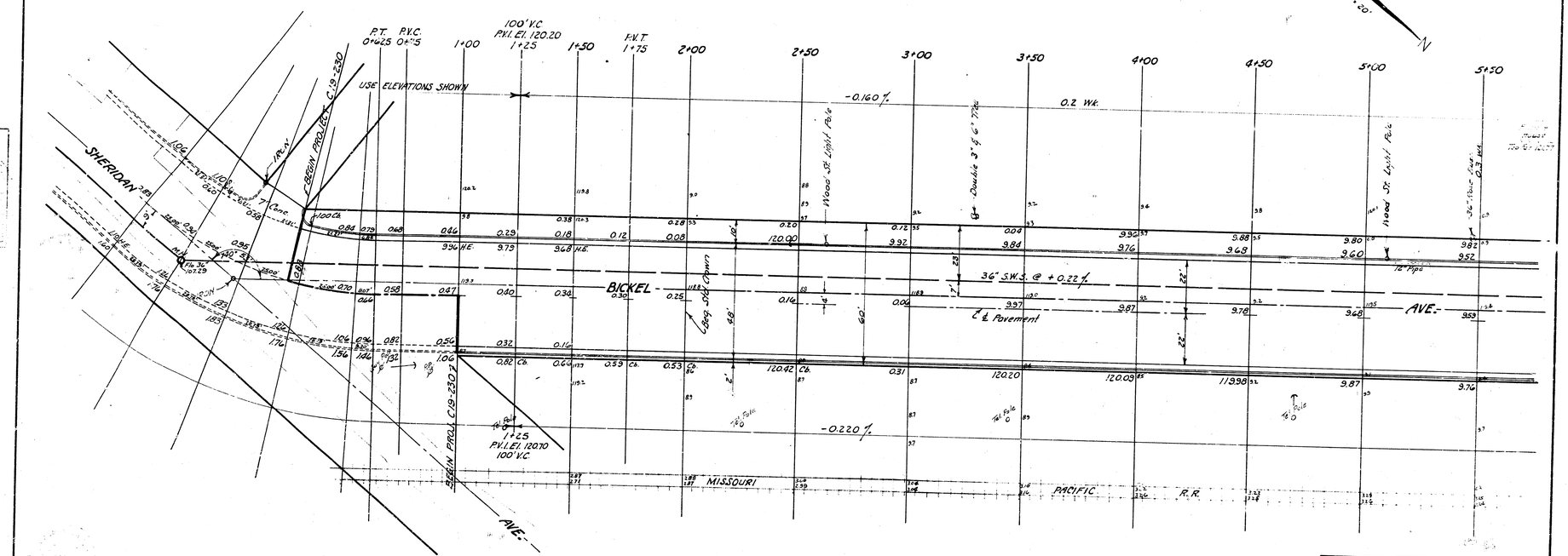
1/26

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

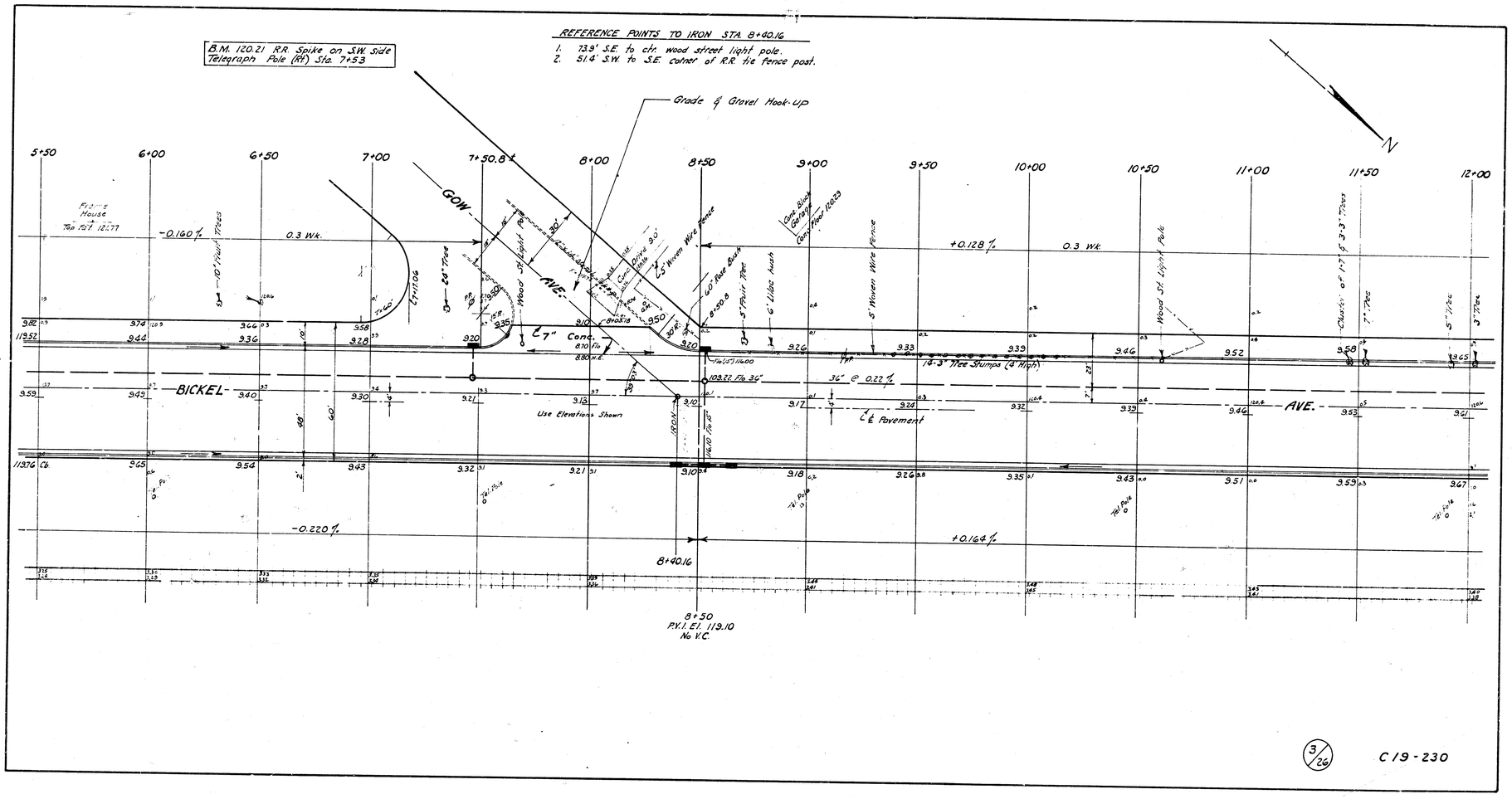
LICENSED — KANSAS — SEAL MISSING

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
GOW
AVE.
BICKEL
AVE.
-0.160 %
0.3 Wk.
+0.128 %
0.3 Wk.
-0.220 %
+0.164 %
8+40.16
8+50
P.V.I. El. 119.10
No V.C.
Use Elevations Shown
14-3" Tree Stumps (4' High)
36" @ 0.22 %
℄ Pavement
Wood St. Light Pole
5' Woven Wire Fence
6' Lilac Bush
5' Fruit Tree
Tel. Pole

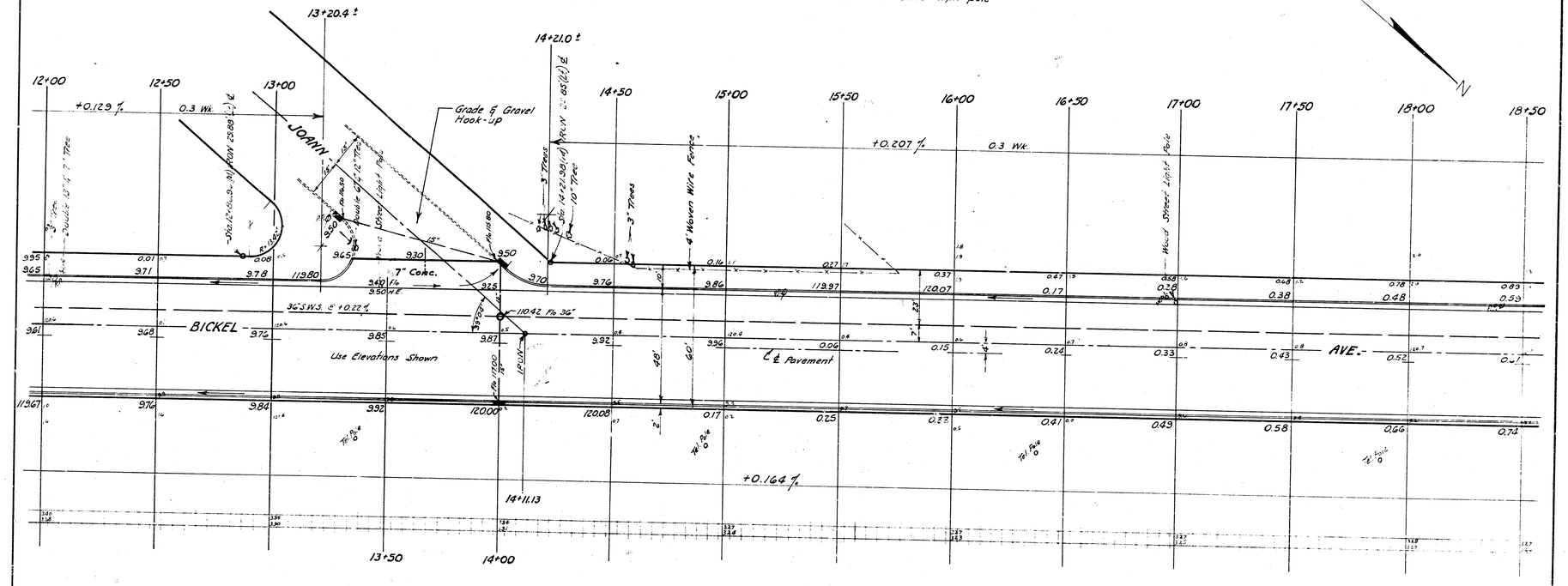
3/26

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



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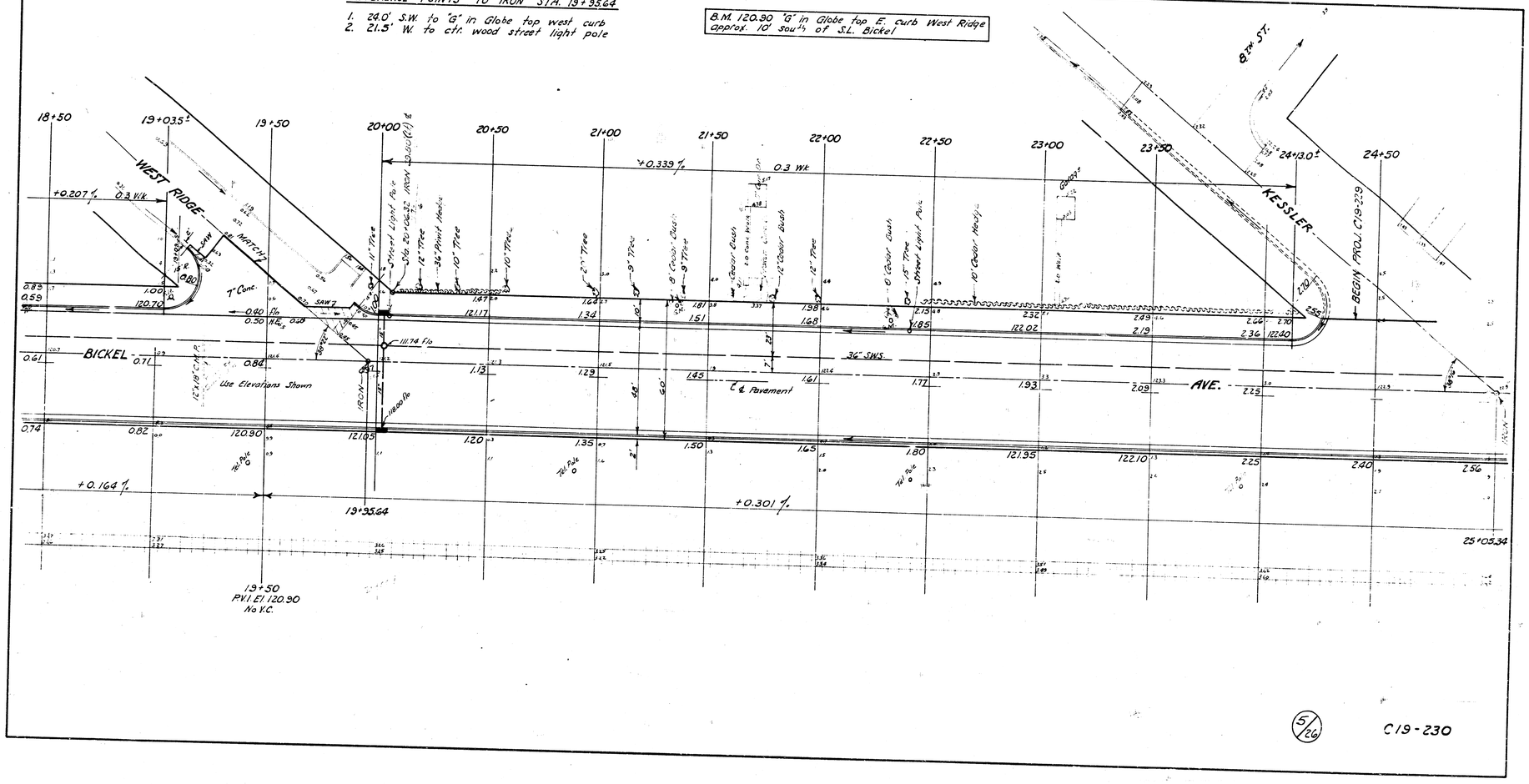
C19-230

REFERENCE POINTS TO IRON STA. 19+35.64

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' south of S.L. Bickel



REFERENCE POINTS TO IRON STA. 25 + 05.34

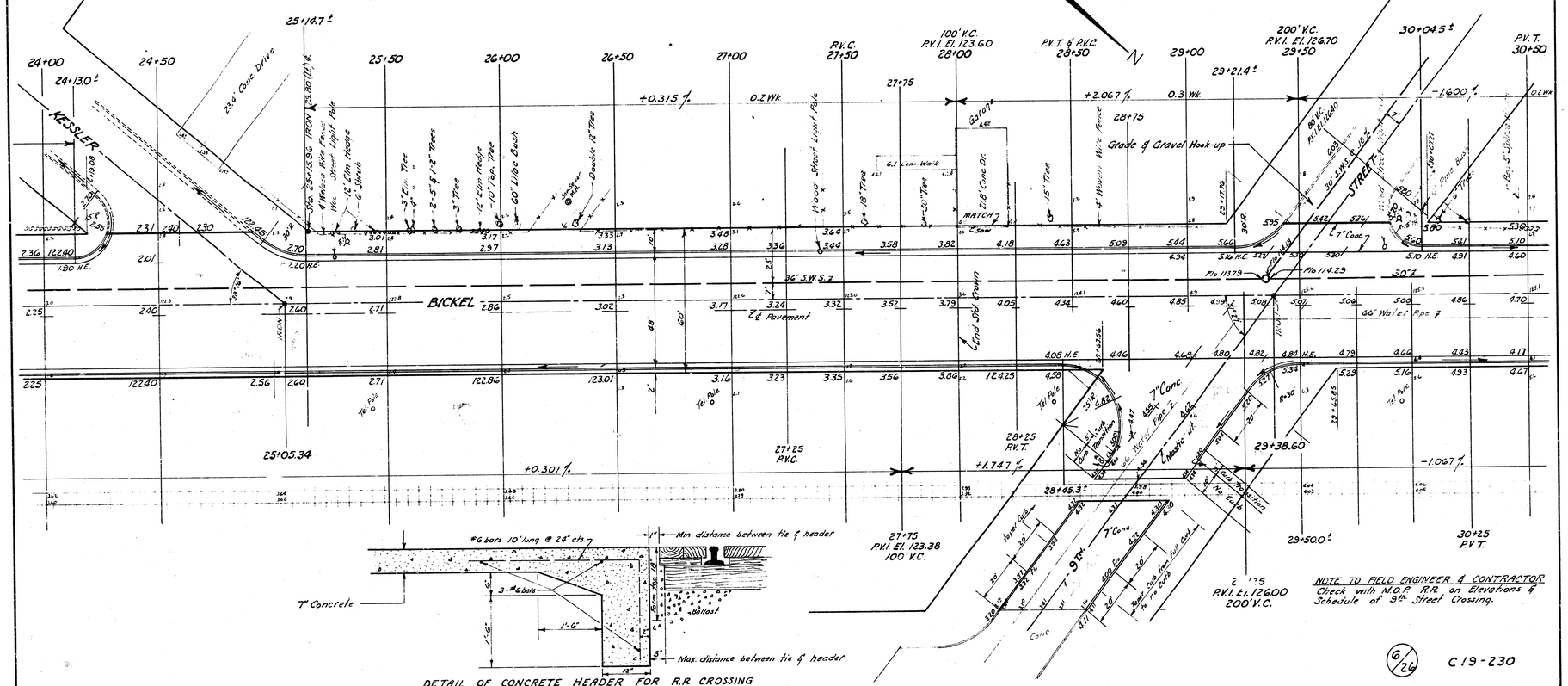
1. 45.8' S.W. to center of guy pole
2. 23.0' W. to center of street light pole

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



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

6/26

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 — 12240 — Wood Street Light Pole — Bus & Hackney Pole — 10" Tree

5.30 — 4.59 — 4.04 — 3.48 — 3.48 — 3.36 — 3.25 — 3.14 — 3.03 — 2.92 — 2.45 — 2.90 — 2.99 — 3.09

5.10 — 4.72 — 4.39 — 4.09 — 3.84 — 3.63 — 3.48 — 3.35 — 3.28 — 123.16 — 123.05 — 122.94 — 2.83 — 2.72 — 2.70 — 2.60 — 2.63 — 2.79

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

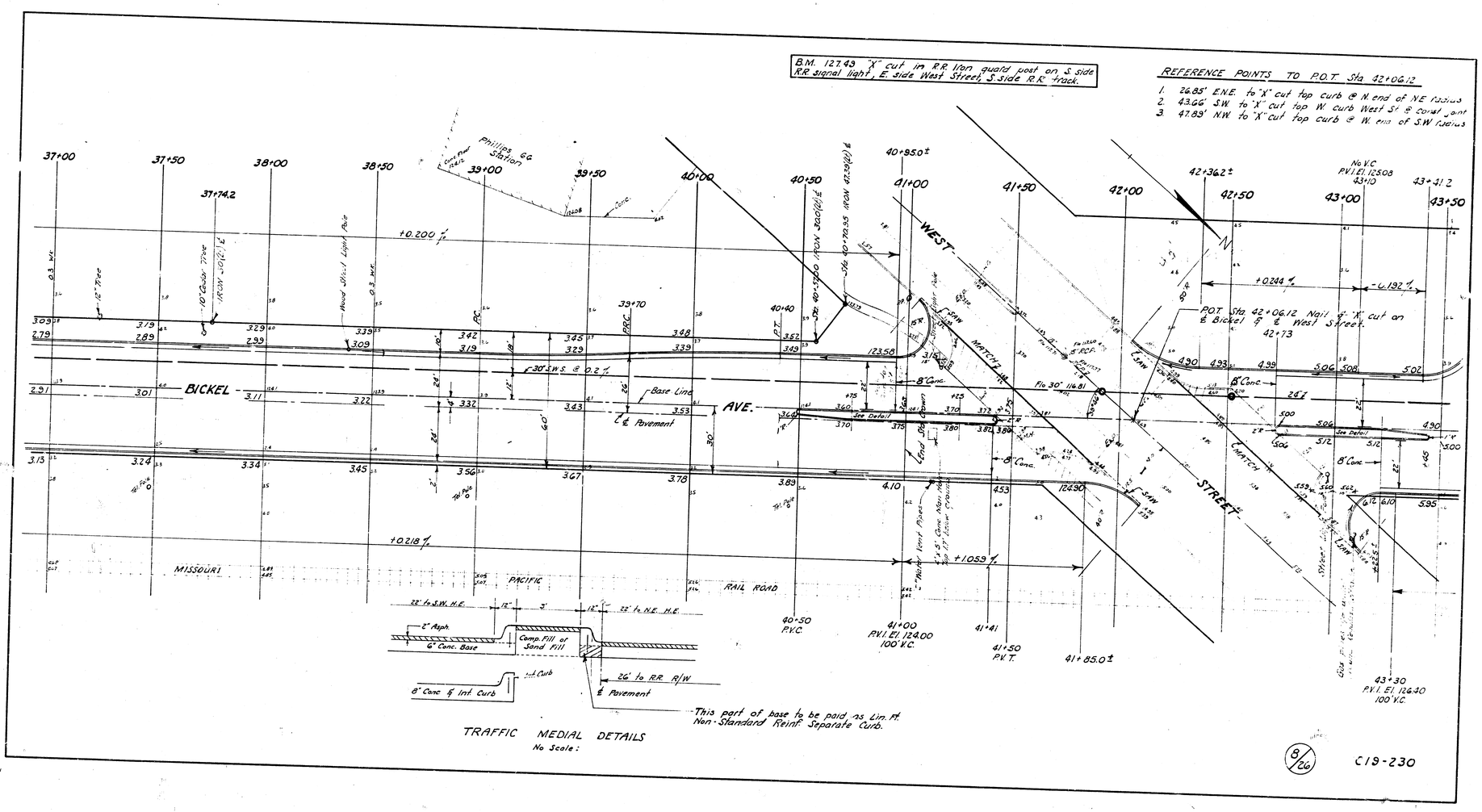
4.70 — 4.24 — 3.78 — 3.47 — 3.29 — 3.18 — 3.07 — 2.97 — 2.86 — 2.78 — 2.75 — 2.80 — 2.91

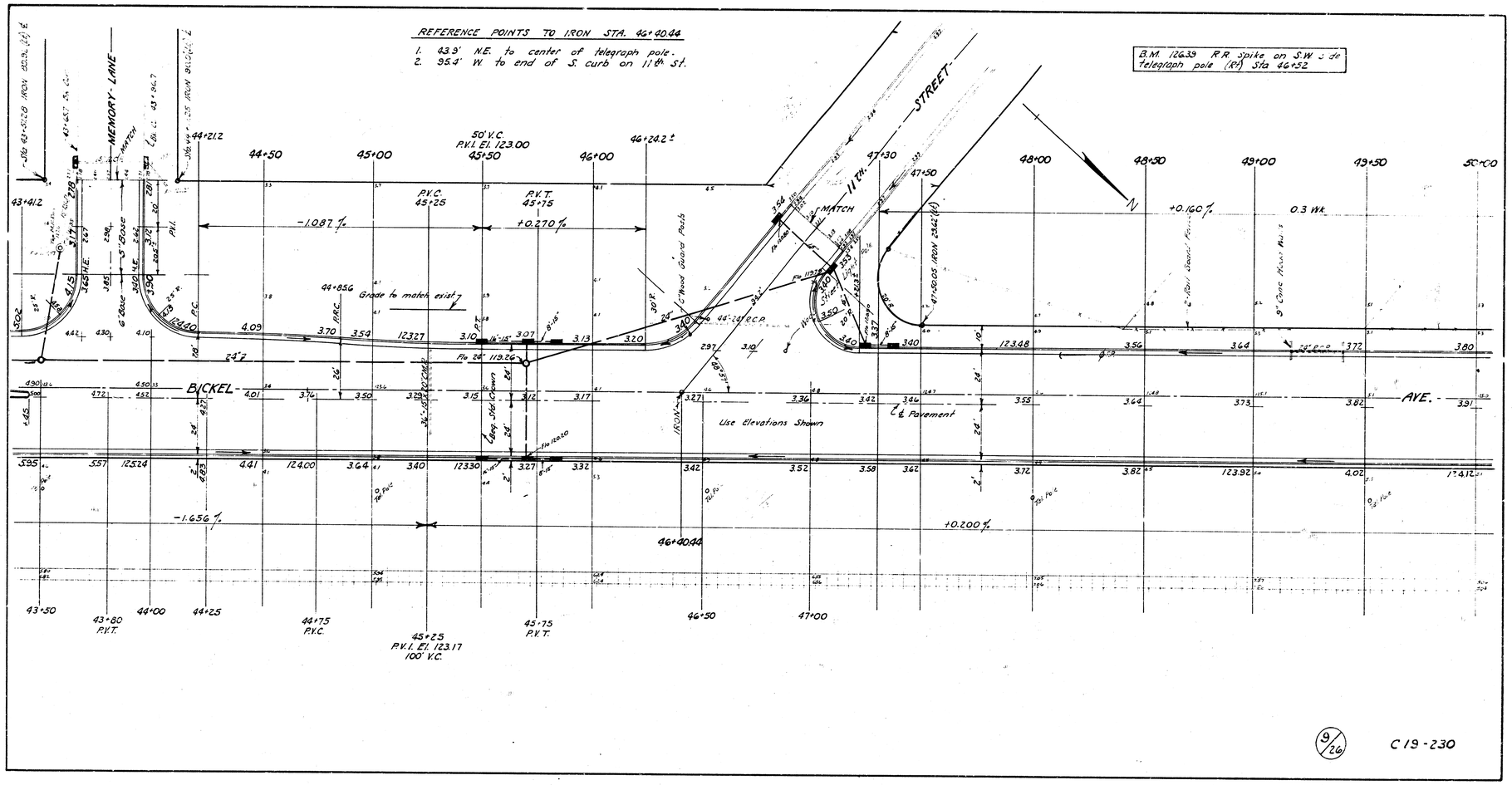
Log Std Crown — BICKEL — AVE. — 24" water Tribe — ℄ Pavement — 66' — 60' — 6" Water Pipe Top Pipe Elev. 120 — Use Elevations Shown — 35°45' — 12' — 12' — 12

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


37+00
37+50
37+74.2
38+00
38+50
39+00
39+50
40+00
40+50
40+95.0±
41+00
41+50
42+00
42+36.2±
42+50
43+00
43+31.2
43+50
Phillips 66 Station
Curb Road Radius
Conc.
+0.200 ℄
0.3 M.K.
12" Tree
10" Cedar Tree
IRON 40.10(2) E
Wood Dbl. Light Pole
0.3 M.K.
PC
PRC
PT
39+70
40+40
IRON 40.50(2) E
S76 40.70.35 IRON 47.39(2) E
BICKEL
AVE.
WEST
STREET
MATCH LINE
30" S.W.S. @ 0.2 ℄
Base Line
℄ Pavement
See Detail
Lead Slip Drawn
8" Conc.
Fig 30" 116.81
Fig 1350 4" R.O.F.
Fig 1350 4" R.O.F


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. 126.39 R.R. spike on S.W. side telegraph pole (Rt) Sta 46+52
MEMORY LANE
BICKEL AVE.
11TH STREET
50' V.C. P.V.I. El. 123.00
P.V.C. 45+25
P.V.T. 45+75
-1.087 %
+0.270 %
+0.160 %
0.3 Wk.
-1.656 %
+0.200 %
Grade to match exist.
Use Elevations Shown
℄ Pavement
IRON
MATCH
43+50
43+80 P.V.T.
44+00
44+25
44+75 P.V.C.
45+25 P.V.I. El. 123.17 100' V.C.
45+75 P.V.T.
46+50
47+00
46+40.44
44+50
45+00
45+50
46+00
46+24.2 ±
47+30
47+50
48+00
48+50
49+00
49+50
50+00

9/26

C19-230

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 (Rf) 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+50

STREET

BICKEL AVE.

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

Entrance Mound Bore 3" Window 125.0

3" Ash Tree

1.53 Cmd Board Fence

1.15 Brs. 3-Rail Picket Fence

Street Light Pole

Grade at Pedestal 126.80

150.30-3/8 IRON 23.33 (41) E

Dia. 41" Tree

50"-Tree

24"-Tree

54"-48" CMP

36"-30" CMP

6" Conc. Pedestals

Garage Floor 135.85

4 Woven Wire Fence

Front Steps Rail Top El. 129

Power Service Wire Pole

Power Service Wire Pole

12 ZN

30" R.C.P.

18" R.C.P.

30" C.M.P. Cy Conc.

Use Elevations Shown

56+25

56+75 P.V.C.

56+00 P.V.I. El. 125.32 50' V.C.

56+25 P.V.T.

55+27.25

C & G Pavement

El. top pavement 4.78

El. sub-grade 4.11

Sub-grade

6" Base

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

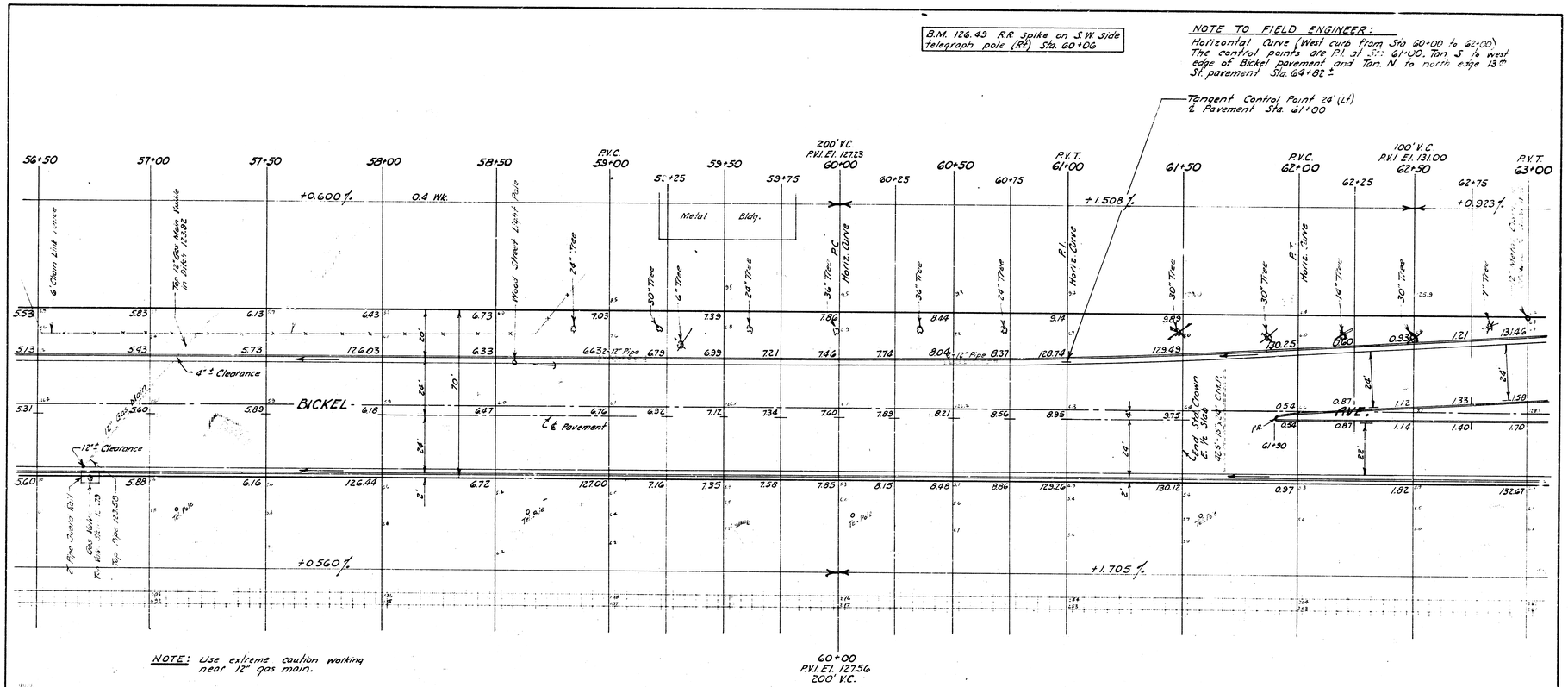
No Scale

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 ±



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

11/20

C19-230

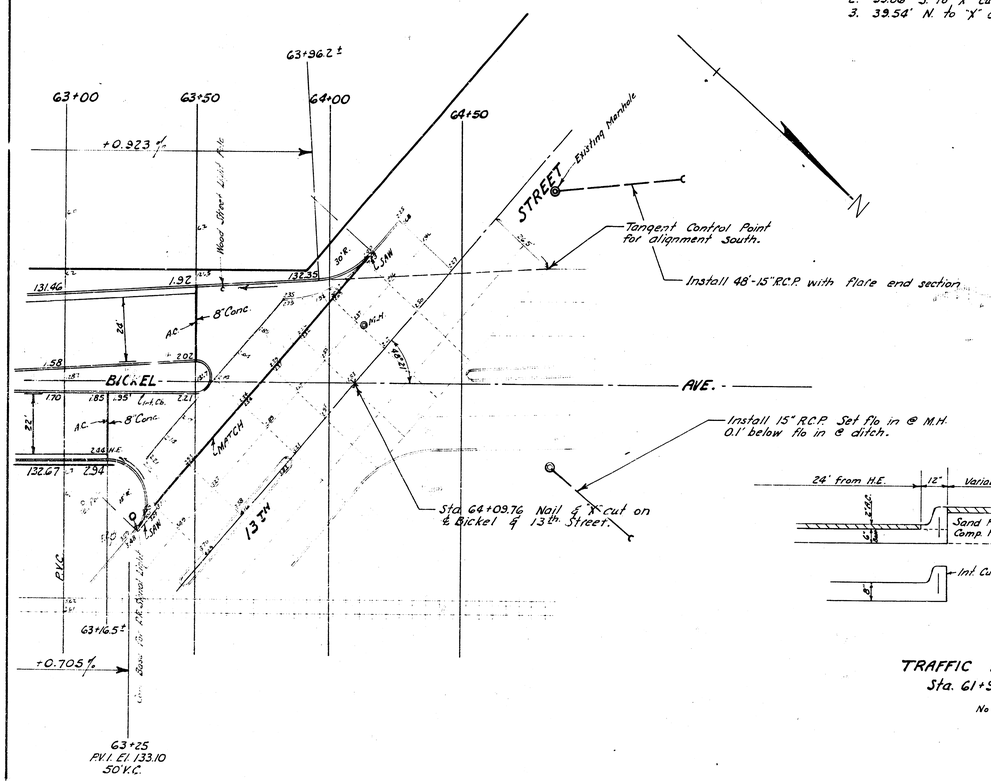
B.M. 132.25 "G" in Globe top S. curb 13th St. 18" W. of W. end S.W. Radius on Bickel.

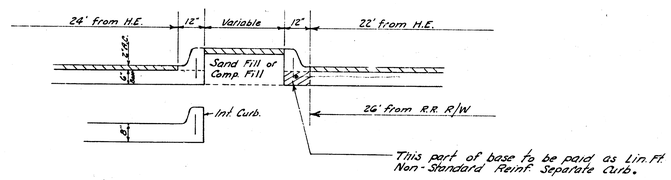
REFERENCE POINTS TO P.O.T. STA 64+09.76

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