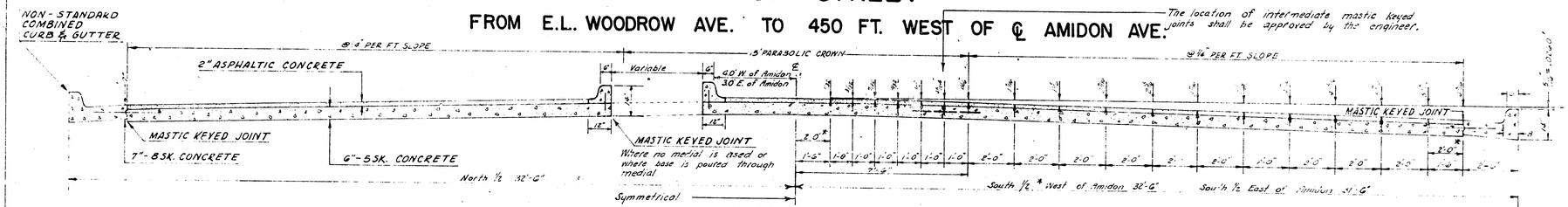
PROJECT NO. C14-44

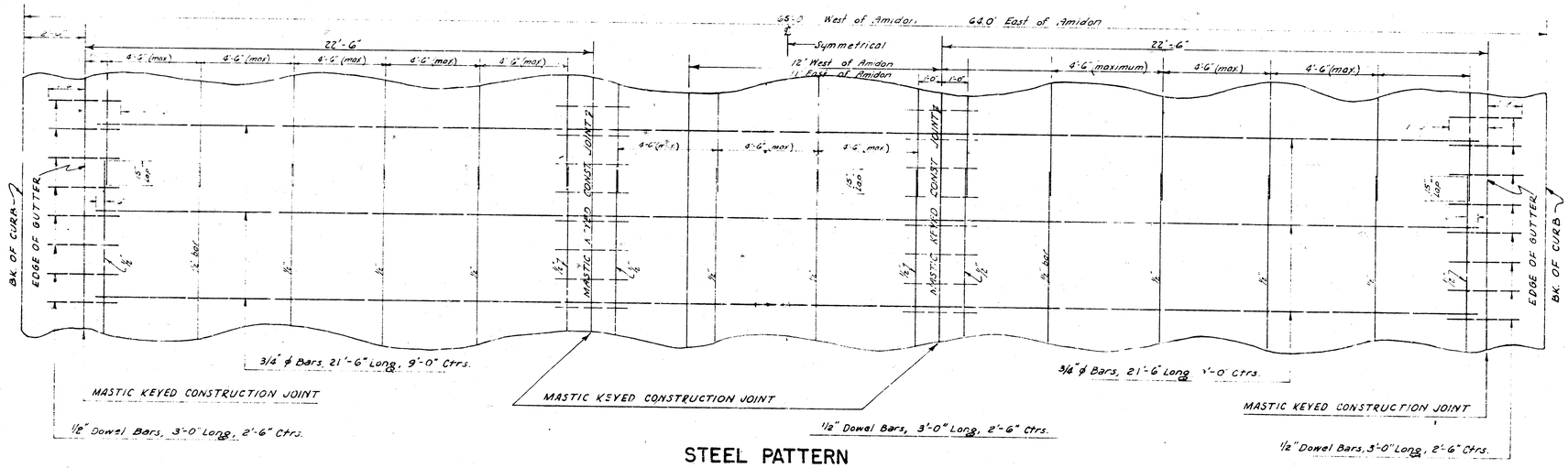
TWENTY FIRST STREET

FROM E.L. WOODROW AVE. TO 450 FT. WEST OF ℄ AMIDON AVE.



TYPICAL SECTION

NOT TO SCALE



STEEL PATTERN

NOT TO SCALE

USE 3/4" ø BARS EXCEPT WHERE NOTED

B.M. 128.75 "X" cut on N.E. corner conc. Base to Flood Light on N.W. cor. 21st St. & Amidon

F.O.T. Sta. 0+00 "X" cut top R.R. Spike on ℄

N

Scale: 1" = 20'

-0+50 0+00 0+50 1+00 1+50 2+00 2+50 3+00 3+50 4+00 4+50 5+00 5+50 6+00

+0.200 %

-0.609 %

-0.568 %

3+91.3 ±

4+08.25(M)

4+88.18

5+05.5 ±

5+17.8 ±

3+34.0 ±

REFERENCE POINTS TO HOLE IN STONE STA. 4+50

1. 68.24' S.E. to "X" cut top E. cb. Amidon, 2' S. of S.L. 21st St.
2. 60.41' S.W. to "X" cut top W. cb. Amidon, 2' S. of S.L. 21st St.
3. 50.84' S. to "X" cut top cb. @ ctr. of radius on island.
4. 66.36' N.W. to "X" cut on N.E. cor. curb base to flood light.

21 ST.

AMIDON AVE.

SEE SHEET #5

MATCH

3" Metal Post for Flood Light

Sinclair Station

Conc.

Conc. Parking

8" STY. Post

3" Metal Sign Post

Edge of Existing Asphalt

Grade Ditch to Drain

3' Asph. Head-up

Mastic Joint

2+12.5 P.R.C.

2+75 P.T.

Stone

Remove Conc. Header & Match Existing Asph. Surface

City Pole for Traffic Light Cable

Asph. Parking

Conc. Parking

STREET

S. Chain Link Fence

0.8 W.K. 0.7 W.K. 0.6 W.K. 0.5 W.K. 0.6 W.K. 0.8 W.K. 0.4 W.K.

+0.200 % 0.4 W.K.

PROPERTY	EXC.	COMP. FILL
	1244 C.Y.	114 C.Y.
+10%	124	11
Totals	1368 C.Y.	125 C.Y.

IMPROVE & RE-IMPROVE	EXC.	COMP. FILL
	1491 C.Y.	280 C.Y.
	149	29
	1640 C.Y.	319 C.Y.

CITY	EXC.	COMP. FILL
	691 C.Y.	5 C.Y.
	69	
	760 C.Y.	5 C.Y.

NOTE: Excavations Quantities include the existing asphalt surface.

NOTE: North & South traffic to be maintained on Amidon during construction.

2/8

21 ST. STREET

FROM E.L. WOODROW AVE. to 450' W. of ℄ AMIDON AVE.

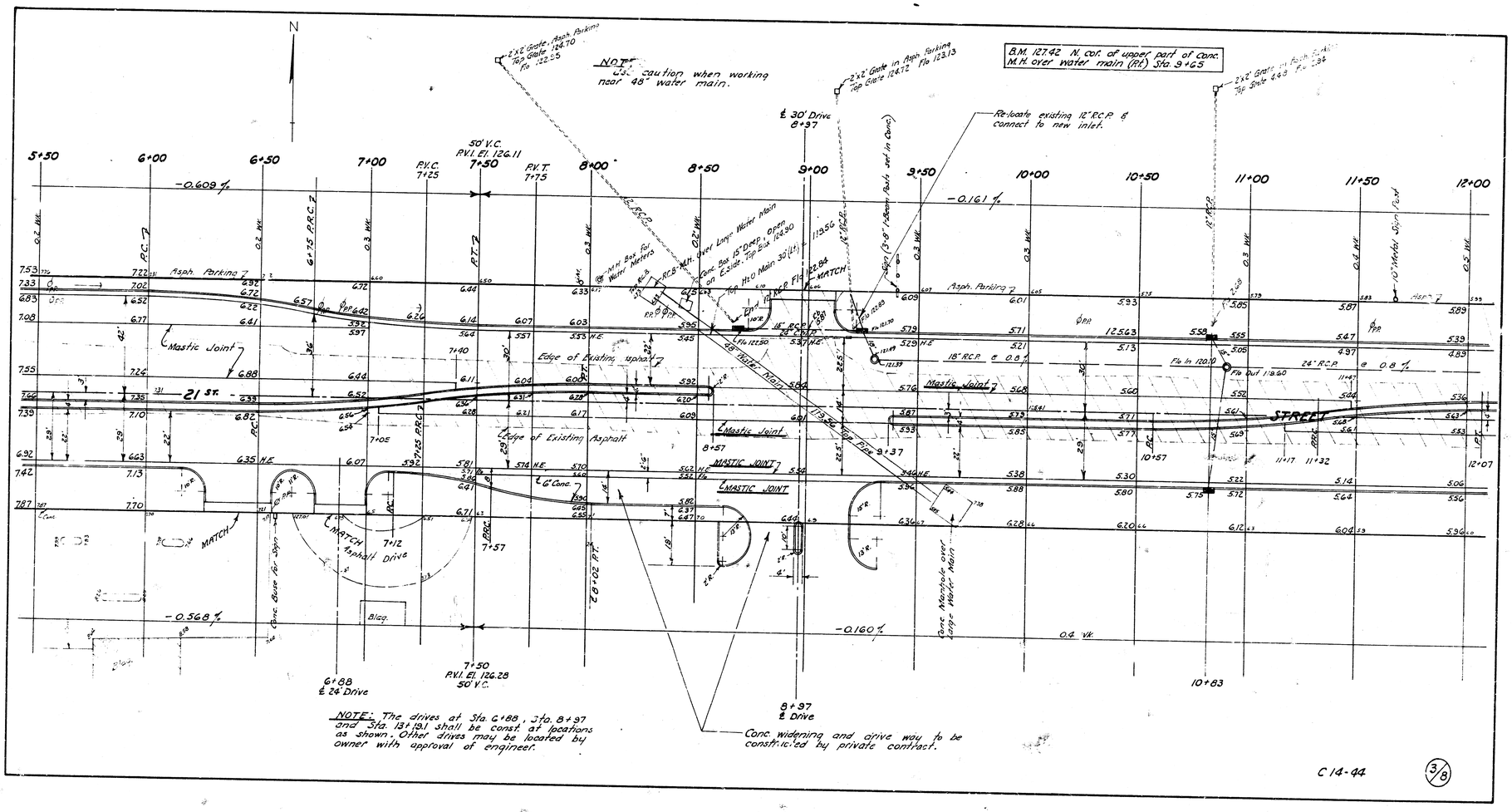
60'-2'-64' A.C. (Improve & Reimprove)

B.E. SMITH CITY ENGINEER

CITY OF WICHITA, KANSAS

Date:

Project No. C14-44

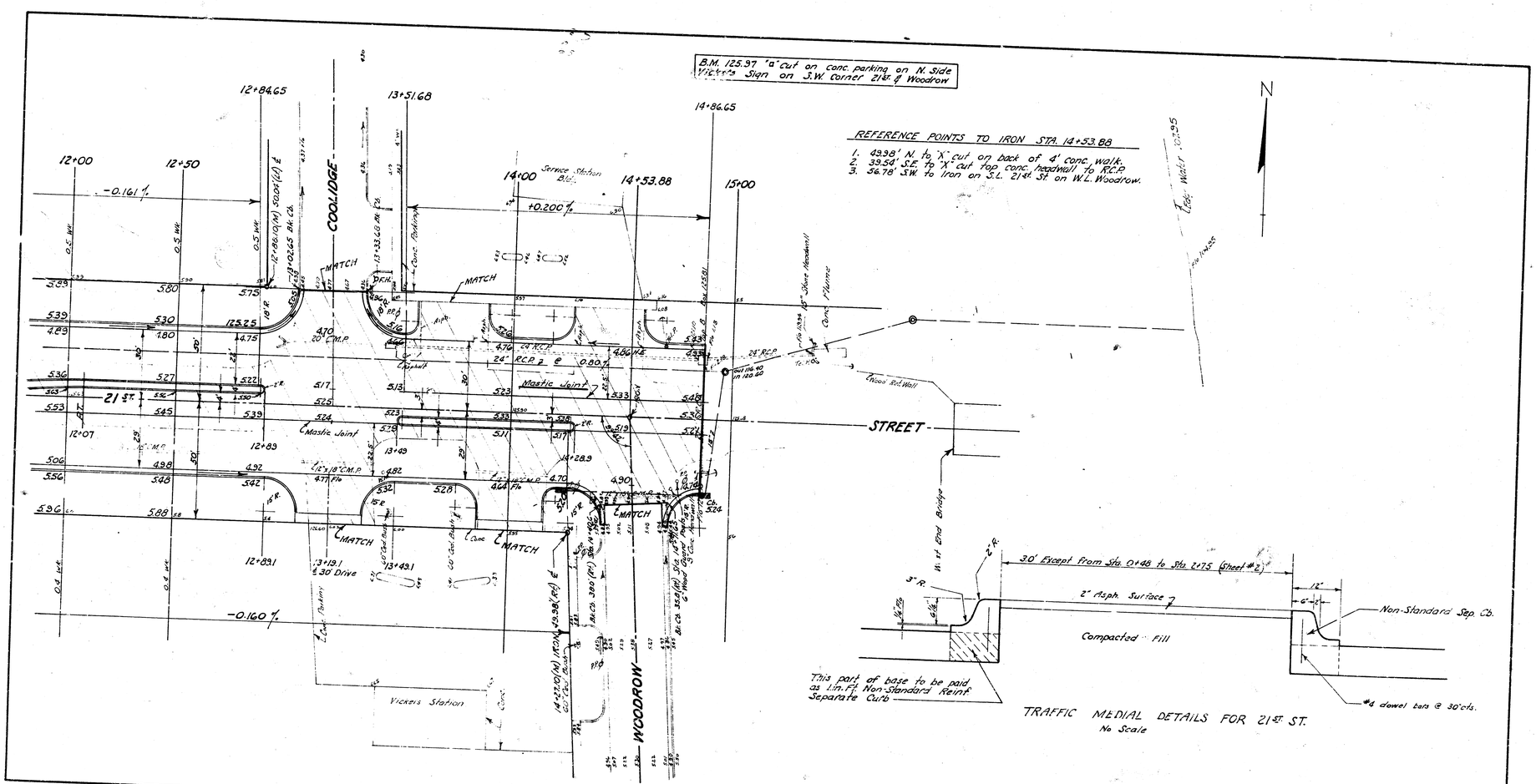

N
NOTE: Use caution when working near 48" water main.
B.M. 127.42 N. cor. of upper part of conc. M.H. over water main (Rt.) Sta. 9+65
2'x2' Grate, Asph. Parking Top Grate 124.70 Flo 122.55
2'x2' Grate in Asph. Parking Top Grate 124.72 Flo 123.13
2'x2' Grate in Asph. Parking Top Grate 4.43 Flo 1.94
Re-locate existing 12" R.C.P. & connect to new inlet.
℄ 30' Drive 8+97
50' V.C. P.V.I. El. 126.11
P.V.C. 7+25
P.V.T. 7+75
5+50
6+00
6+50
7+00
7+50
8+00
8+50
9+00
9+50
10+00
10+50
11+00
11+50
12+00
-0.608 %
-0.161 %
-0.568 %
-0.160 %
Asph. Parking
Mastic Joint
Edge of Existing Asphalt
21 ST.
STREET
MATCH
Asphalt Drive
Bldg.
Conc. Curb for Sign
Conc. Manhole over Large Water Main
Sign (3'-0" "Alarm Posts set in Conc.)
10" Water Sign Post
Fire Hydrant
Water Meter
Mail Box for Water Meters
Over Long Water Main
Conc. Box 15" Deep, Open on E. Side - Top Elev. 124.30
Top H2O Main 30' (Lt.)
12" R.C.P. Flo 122.84
18" R.C.P.
24" R.C.P.
48" Water Main
Flo In 120.10
Flo Out 119.60
Flo In 122.50
Flo In 122.70
Flo In 123.49
Flo In 123.39
Flo In 119.37
Flo In 119.27
Flo In 119.17
Flo In 119.07
6+88 ℄ 24' Drive
7+50 P.V.I. El. 126.28 50' V.C.
8+97 ℄ Drive
10+83
NOTE: The drives at Sta. 6+88 ; Jto. 8+97 and Sta. 13+19.1 shall be const. at locations as shown. Other drives may be located by owner with approval of engineer.
Conc. widening and drive way to be constructed by private contract.
C 14-44
3/8

B.M. 125.97 "a" cut on conc. parking on N. Side
of Exxon's Sign on S.W. corner 21st & Woodrow

REFERENCE POINTS TO IRON STA. 14+53.88

1. 49.38' N. to 'X' cut on back of 4' conc. walk.
2. 39.54' S.E. to 'X' cut top conc. headwall to R.C.P.
3. 56.78' S.W. to Iron on S.L. 21st St. on W.L. Woodrow.

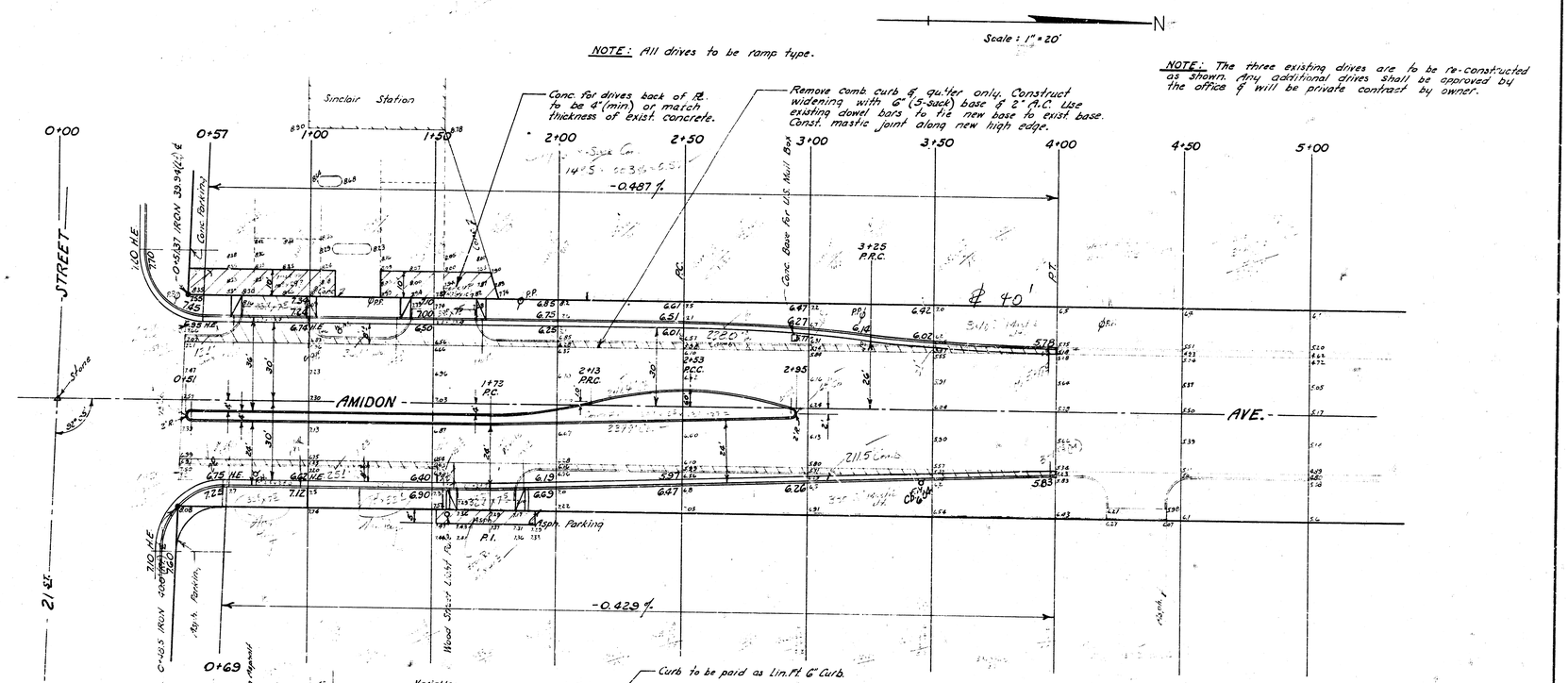
N



TRAFFIC MEDIAL DETAILS FOR 21ST. ST.
No Scale

C 14-44

4/8



DETAIL SHOWING DOWELED CURB FOR TRAFFIC MEDIAL FOR AMIDON

No Scale

C 14-44

5/8

Survey By U.T. Grant Co. 117
Drawn By C. Cramer
Checked By Park

NOTE: TO CONTRACTOR
FLUSH ALL BACKFILL BEGIN SAND FILL
@ STATION 1+60

NOTE: TO CONTRACTOR
Headwalls, inlets, & manholes on existing pipes are to be included in the bid price of pipe removed. Asph. mat rem. is a no pay item incidental to the project.

Note: Remove 15" C.M.P.

WOODROW

T.C. 125.24
Flo in 121.30
Flo out 121.22

37.5'

30'

T.C. 126.20
Flo out 122.00

69 15" R.C.P.

21ST STREET

31.5'

50'

Sta. 0+50 Const. Out fall Structure
See Sheet No. 2 for Details

LITTLE ARKANSAS RIVER

Flo out 110.48

8'-15" R.C.P.

Flo out 115.48

Flo in 115.48

Flo in 117.80

Flo 118.00

Sta. 1+24.5 Const. Sta. Brick M.H.

Note: Remove 24" R.C.P. conc. Flume & 15 Stone headwall

Flo in 120.60

Flo out 116.80

Sta. 2+11.4 Const. Sta. Brick M.H.

Note: Remove 24" R.C.P.

Note: Remove 21" R.C.P., 9" Headwall & Brick Box M.H.

GODDARD

Note: Remo. 20" C.M.P. & Headwall

Plan Scale 1" = 20'
Profile Scale 1" = 20' Hor.
1" = 4' Ver.

B. M. 125.97 "D" cut on conc. parting on N. side Vickers Sign on S.W. cor. 21st St. & Woodrow

130
120
110

Sta. 0+50 Const. Outfall Structure

Natural Ground

Sta. 1+24.5 Const. Sta. Brick M.H.

Top M.H. 125.00

Begin Sand Fill

Sta. 2+11.4 Const. Sta. Brick M.H.

Top M.H. 125.14

24" R.C.P. @ 1.0%

24" R.C.P. @ 0.80 %

24" R.C.P. @ 4.66%

Rip Rap @ Outfall

Flo Out 110.48

Flo 115.48

116.53

Flo 116.80

111.06

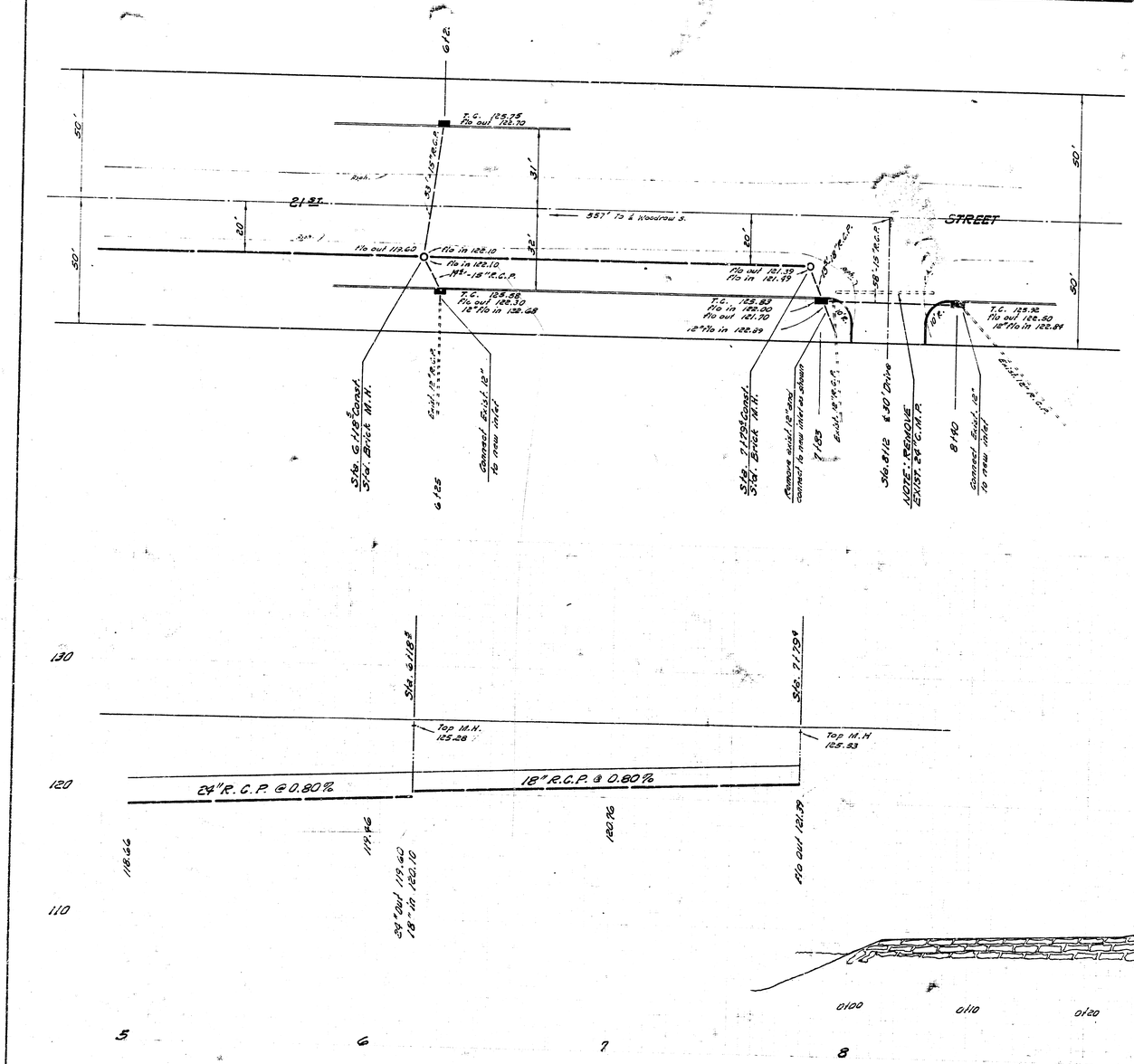
111.86

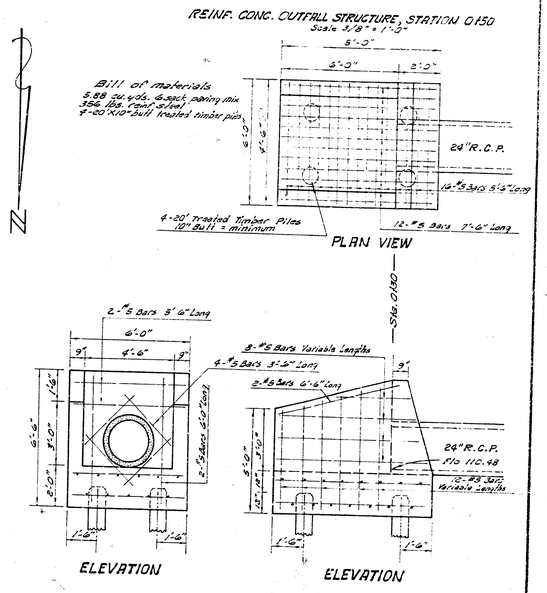
118.46

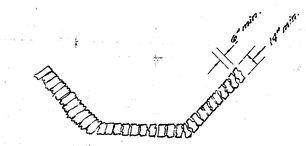
0 1 2 3 4 5

1/2

INCIDENTAL DRAINAGE
TWENTY FIRST STREET
E. L. WOODROW TO 930'+- E. OF E. RAMSDAL
CITY OF WICHITA, KANS.
C. E. SMITH, CITY ENGINEER
PROJ. NO. CIA-44 DATE MARCH 1955







Rip-rap @ outfall with broken pavt.

INCIDENTAL DRAINAGE
21 ST., E.L. WOODROW TO 950' W. OF E. AMIDON
PROJ. NO. C14-94

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