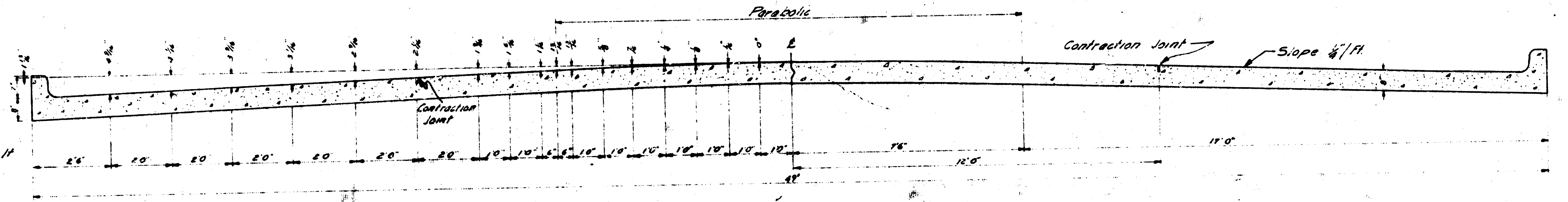
THIRTEENTH STREET.

W.L. WACO AVENUE TO W.L. MAIN STREET.

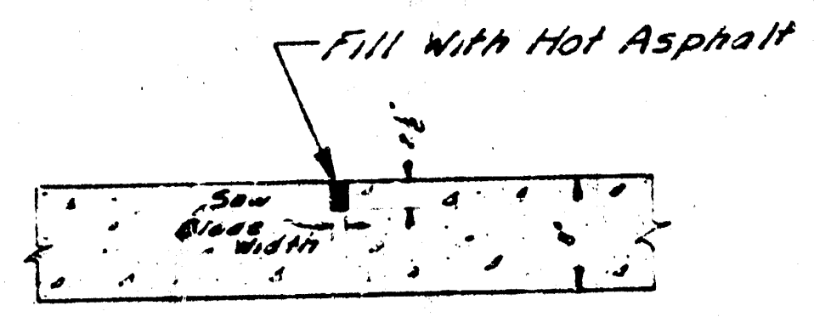
CITY OF WICHITA, KANSAS - B.E. SMITH CITY ENGINEER

PROJECT NO. C16-11 DATE: AUGUST 1966.


Parabolic
Contraction Joint
Slope ¼"/Ft.
Contraction Joint
2'6"
12'0"
12'0"
49'

TYPICAL SECTION

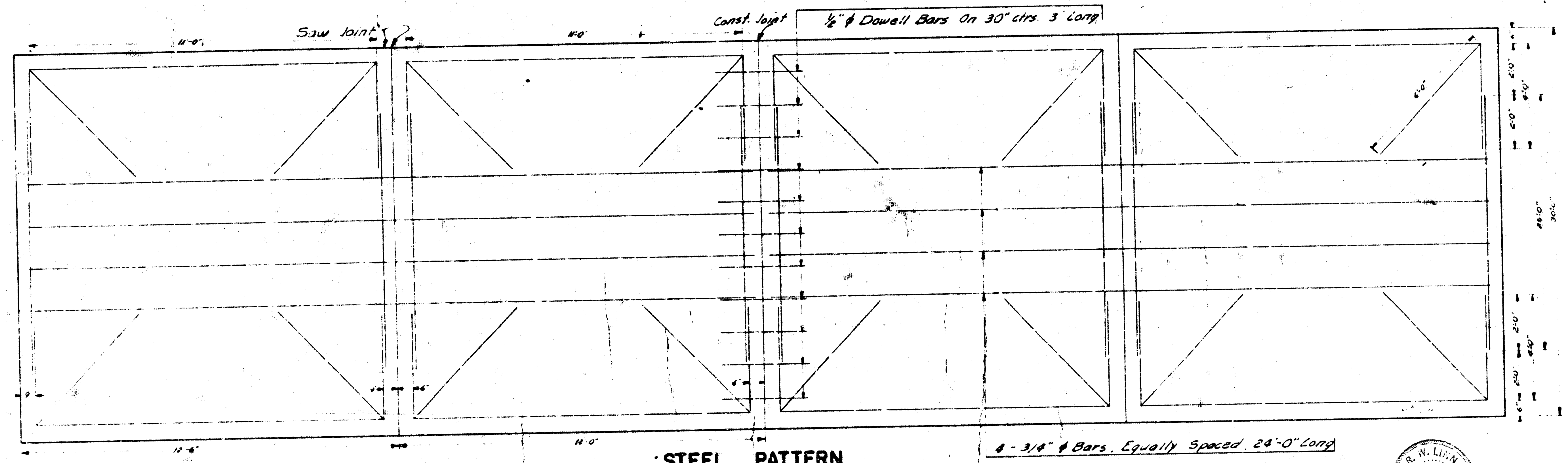
No Scale


Fill With Hot Asphalt
Saw Blade Width

CONTRACTION JOINT

No Scale

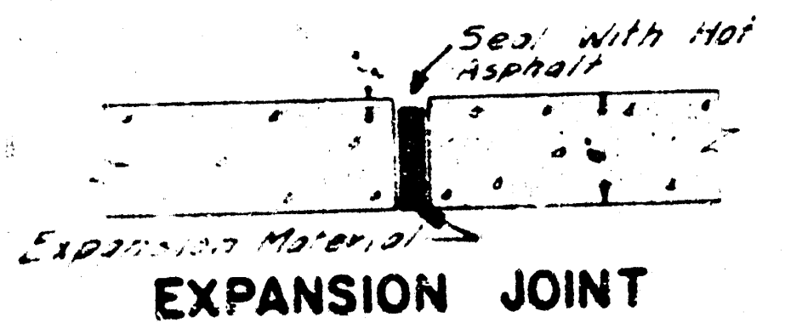
To Be Used At 30' Intervals Except Where An Expansion Joint Is Used


Saw Joint
Const. Joint
½" ϕ Dowell Bars On 30" ctrs. 3' Long
4 - 3/4" ϕ Bars. Equally Spaced. 24'-0" Long
11'0"
12'0"

STEEL PATTERN

No Scale

Use ¾" ϕ Bars Unless Otherwise Specified


Seal with Hot Asphalt
1 Expansion Material

EXPANSION JOINT

No Scale

To Be Used At 20' Intervals

JAMES H. [illegible] 2012

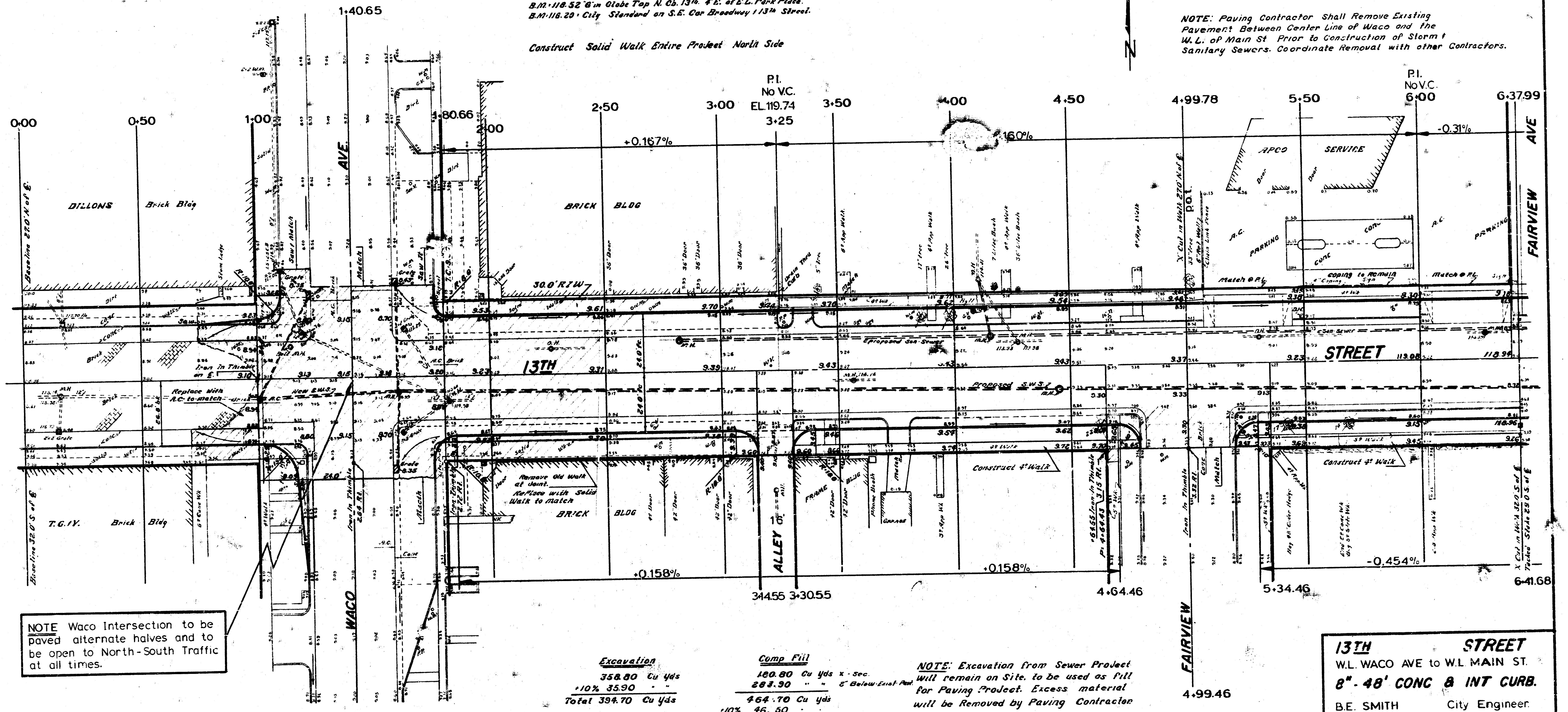
R. W. LINN 3534

B.M.: 119.42 Iron in Thimble on S.E. Cor 13th and Waco.
B.M.: 120.37 "X" Cut Top 6" Ret Wall N.S. 13th and 7' E. of ℄ Fairview So. W.S. Apco Sta.
B.M.: 119.53 "X" Cut Top Conc Coping S. Side 13th and 2' W. of W.L. Wellington Place.
B.M.: 118.52 "6" in Globe Top N. Cb. 13th 4' E. of E.L. Park Place.
B.M.: 116.29: City Standard on S.E. Cor Broadway & 13th Street.

Construct Solid Walk Entire Project North Side

Construct Ramp Type Drives North Side.
South Side from State St to Main St.

NOTE: Paving Contractor Shall Remove Existing Pavement Between Center Line of Waco and the W.L. of Main St Prior to Construction of Storm & Sanitary Sewers. Coordinate Removal with other Contractors.


N
0+00
0+50
1+00
1+40.65
1+80.66
2+00
2+50
3+00
P.I.
No V.C.
EL. 119.74
3+25
3+50
4+00
4+50
4+99.78
5+50
P.I.
No V.C.
6+00
6+37.99
+0.167%
.160%
-0.31%
+0.158%
+0.158%
-0.454%
3+14.55
3+30.55
4+64.46
5+34.46
6+41.68
4+99.46
DILLONS
Brick Bldg
BRICK BLDG
T.G.I.Y.
Brick Bldg
WACO
AVE
13TH
STREET
ALLEY
FAIRVIEW
AVE
FAIRVIEW
APCO SERVICE
PARKING
30.0' R/W
Proposed San Sewer
Proposed SWS
Replace with A.C. to match
Iron in Thimble on ℄
Remove Old Walk at Joint. Replace with Solid Walk to Match
Construct 4" Walk
Construct 4" Walk
Coping to Remain
Match @ P.L.
Match @ P.L.
Match

NOTE Waco Intersection to be paved alternate halves and to be open to North-South Traffic at all times.

Excavation	
358.80	Cu Yds
+10% 35.90	" "
Total 394.70	Cu Yds

Comp Fill		
180.80	Cu Yds	x - Sec.
283.90	" "	2" Below Exist. Pavt.
464.70	Cu Yds	
+10% 46.50	" "	
Total: 511.80	Cu Yds	

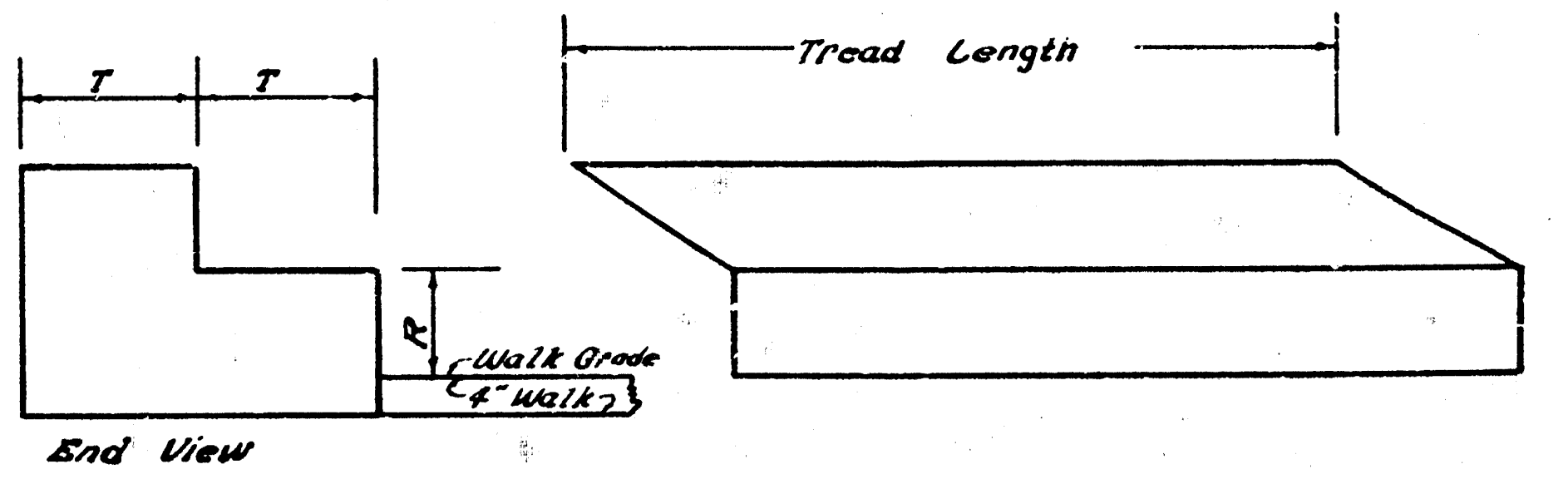
NOTE: Excavation from Sewer Project will remain on Site, to be used as fill for Paving Project. Excess material will be Removed by Paving Contractor

Compacted Fill Volume is Computed from 2" Below Existing Pavement, to Proposed Subgrade. This Quantity will be basis of Payment on Final Estimate.

Sheet 2 of 5

13TH STREET
W.L. WACO AVE to W.L. MAIN ST.
8"- 48' CONC & INT CURB.
B.E. SMITH City Engineer.
City of Wichita, Kansas
Date AUG 1966 Project No. C16-11

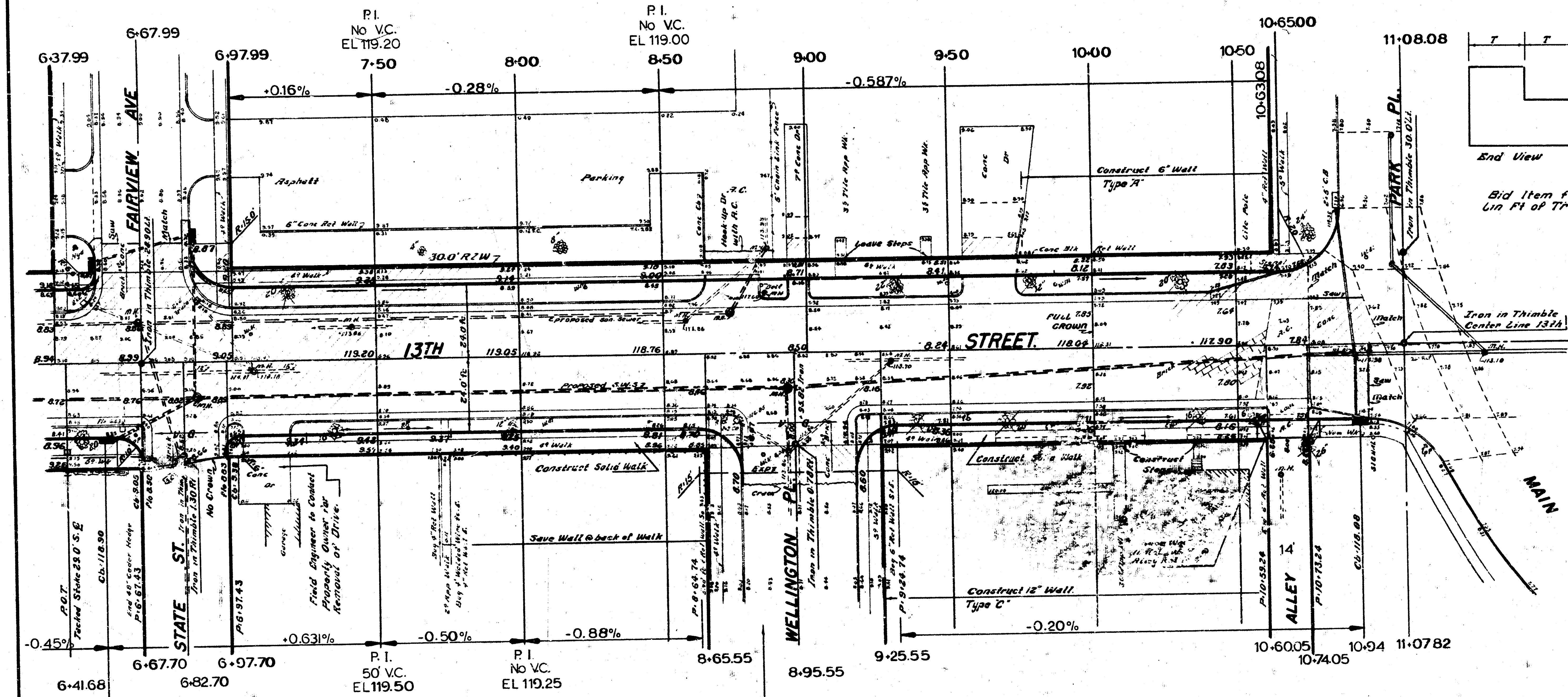
Table of Proportion	
RISERS	TREADS
4½"	16 5/8"
5"	15"
5½"	13 3/4"
6"	12 5/8"
6½"	11 5/8"



T
T
R
Walk Grade
4" Walk
End View
Tread Length

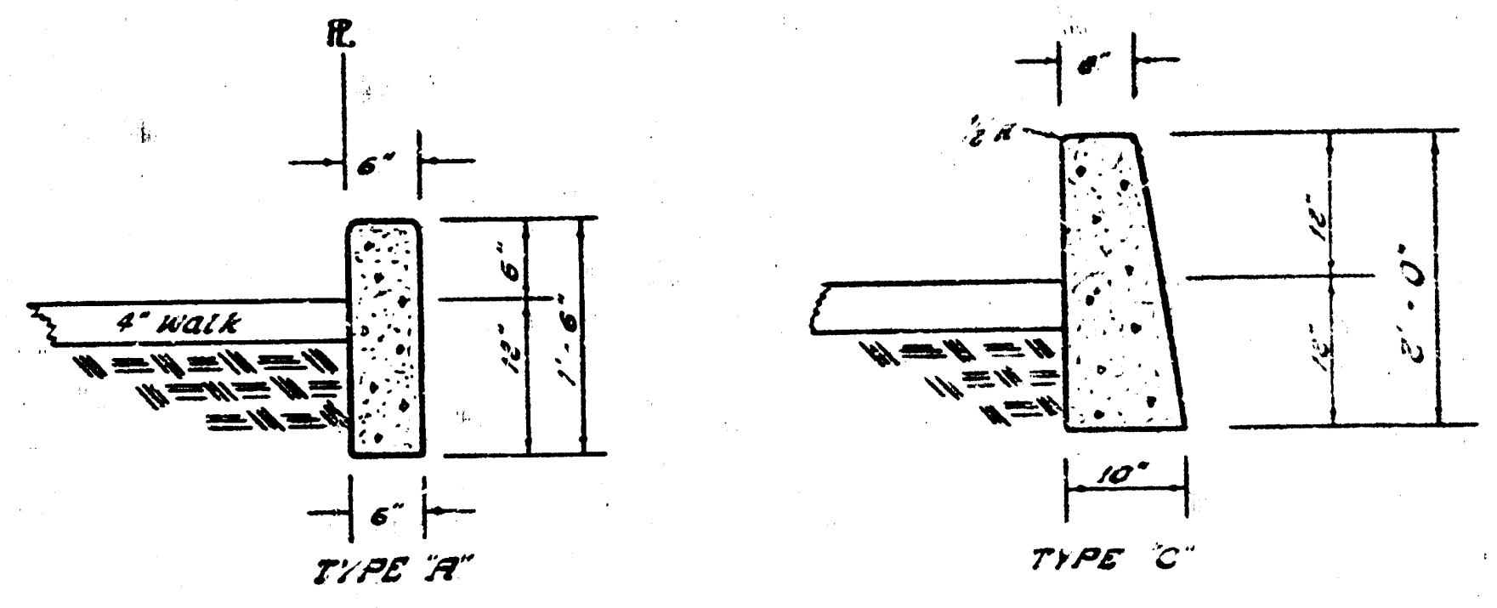
CONC STEPS

Bid Item for Lin Ft of Conc Steps is the total Lin Ft of Tread Lengths Constructed.



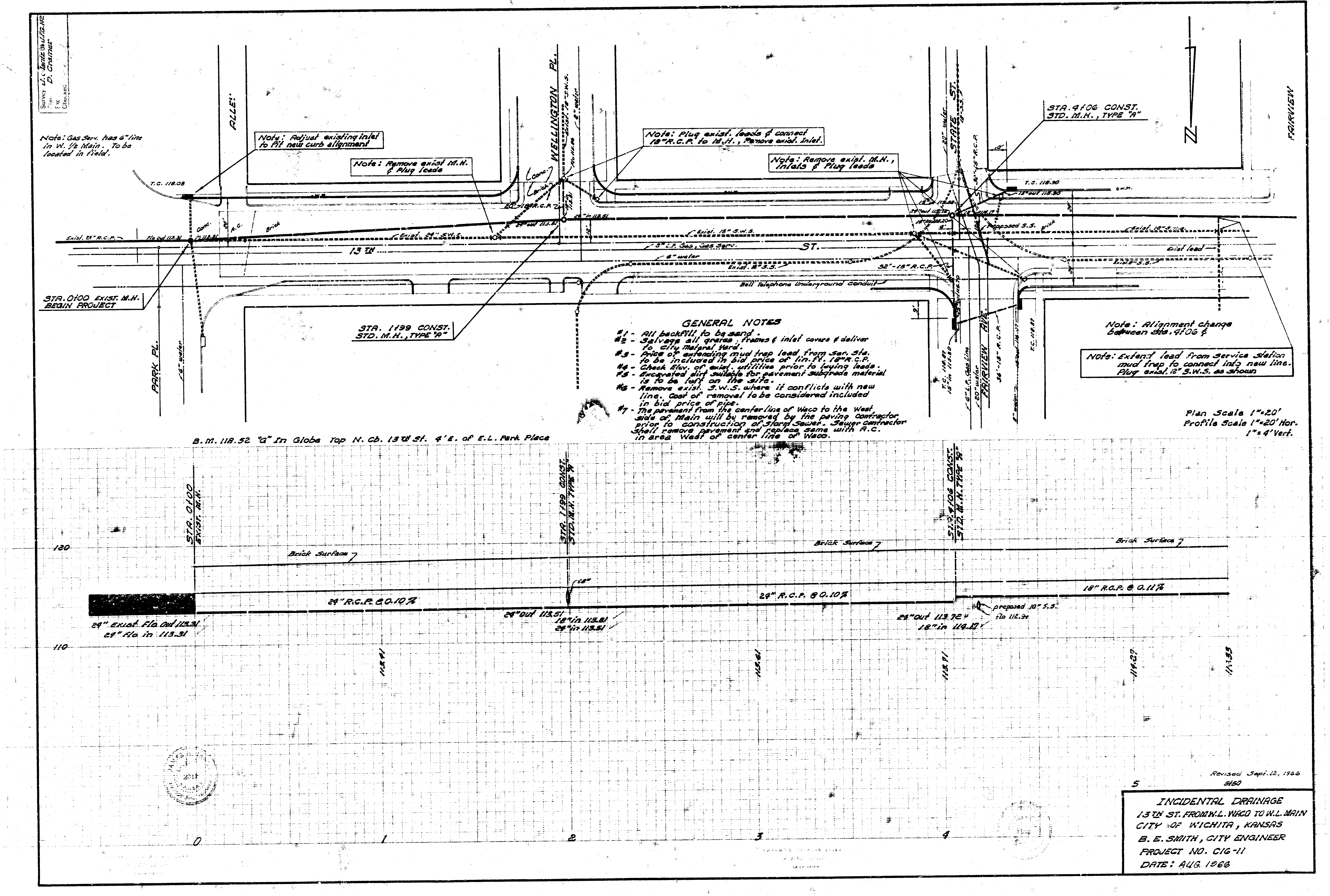
6+37.99
6+67.99
6+97.99
P.I.
No V.C.
EL 119.20
7+50
8+00
P.I.
No V.C.
EL 119.00
8+50
9+00
9+50
10+00
10+50
10+65.00
10+63.08
11+08.08
+0.16%
-0.28%
-0.587%
FAIRVIEW AVE
Asphalt
6" Conc Ret Wall
Parking
30.0' R/W
Leave Steps
Construct 6" Wall
Type "A"
PARK PL.
13TH
STREET.
FULL CROWN
Iron in Thimble
Center Line 13th
Construct Solid Walk
Save Wall & back of Walk
Field Engineer to Contact Property Owner re Removal of Drive.
WELLINGTON PL.
Construct 12" Wall
Type "C"
ALLEY
14'
MAIN STREET.
STATE ST.
P.O.T.
-0.45%
+0.631%
-0.50%
-0.88%
-0.20%
6+41.68
6+67.70
6+82.70
6+97.70
P.I.
50' V.C.
EL 119.50
P.I.
No V.C.
EL 119.25
8+65.55
8+95.55
9+25.55
10+60.05
10+74.05
10+94
11+07.82
P.I.
No V.C.
EL 118.90
6+55

NOTE: Remove Pav't to Crack So. of Radius Point. Construct Expansion Joint at Radius and Hook-Up.



6"
4" Walk
6"
TYPE "A"
6"
10"
TYPE "C"

Typical Sections of Retaining Wall


Survey J. C. Lantz Bk. J.F.G. 142
Plan D. Cramer
Est
Checked
ALLEY
WELLINGTON PL.
STATE ST.
FAIRVIEW
FAIRVIEW AVE.
PARK PL.
13TH ST.
T.C. 118.08
T.C. 118.90
T.C. 118.87
T.C. 118.87
15" in 115.80
13" out 113.90
c.w.m.
Conc.
Brick
A.C.
Exist. 24" R.C.P.
Flo out 113.31
in 113.31
Exist. 24" S.W.S.
Exist. 18" S.W.S.
8" water
6" water
20" water
Exist. 15" S.W.S.
Exist. 12" S.W.S.
Exist. 8" S.S.
Exist lead
Proposed S.S.
5" L.P. Gas, Gas Serv.
6" L.P. Gas Line
32'-15" R.C.P.
36'-15" R.C.P.
20'-18" R.C.P.
24" in 113.51
24" out 113.51
Bell Telephone Underground conduit
B.M. 118.52 "G" In Globe Top N. Cb. 13th St. 4' E. of E.L. Park Place
STA. 0100 EXIST. M.H.
STA. 1199 CONST. STD. M.H. TYPE "A"
STA. 4106 CONST. STD. M.H. TYPE "A"
120
110
Brick Surface
24" R.C.P. @ 0.10%
24" R.C.P. @ 0.10%
18" R.C.P. @ 0.11%
18"
24" Exist. Flo Out 113.31
24" Flo in 113.31
24" out 113.51
18" in 113.81
24" in 113.51
24" out 113.72
18" in 114.17
proposed 10" S.S.
flo 112.94
113.41
113.61
113.91
114.27
114.33
0
1
2
3
4
5

Note: Gas Serv. has 6" line in W. ½ Main. To be located in field.

Note: Adjust existing inlet to fit new curb alignment

Note: Remove exist M.H. & Plug leads

Note: Plug exist. leads & connect 18" R.C.P. to M.H., Remove exist. Inlet.

Note: Remove exist. M.H., Inlets & Plug leads

STA. 4106 CONST.
STD. M.H., TYPE "A"

STA. 0100 EXIST. M.H.
BEGIN PROJECT

STA. 1199 CONST.
STD. M.H., TYPE "A"

Note: Alignment change between Sta. 4106 &

Note: Extend lead from service station mud trap to connect into new line. Plug exist. 12" S.W.S. as shown

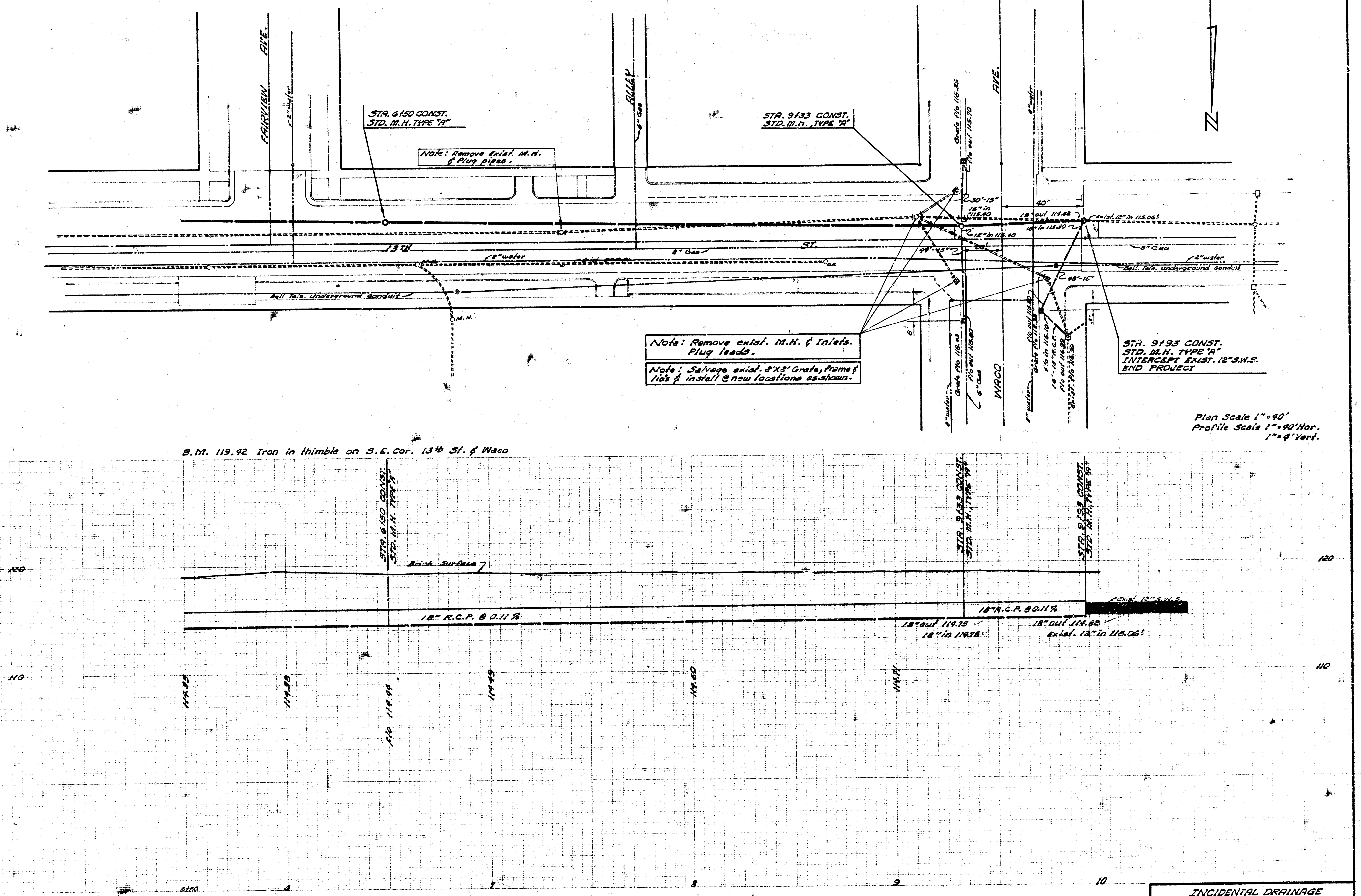
GENERAL NOTES

#1 - All backfill to be sand.
#2 - Salvage all grates, frames & inlet covers & deliver to City Materal Yard.
#3 - Price of extending mud trap lead from Ser. Sta. to be included in bid price of lin. ft. 18" R.C.P.
#4 - Check Elev. of exist. utilities prior to laying leads.
#5 - Excavated dirt suitable for pavement subgrade material is to be left on the site.
#6 - Remove exist. S.W.S. where it conflicts with new line. Cost of removal to be considered included in bid price of pipe.
#7 - The pavement from the center line of Waco to the West side of Main will be removed by the paving contractor prior to construction of Storm Sewer. Sewer contractor shall remove pavement and replace same with A.C. in area West of center line of Waco.

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

Revised Sept. 12, 1966
5150

INCIDENTAL DRAINAGE
13TH ST. FROM W.L. WACO TO W.L. MAIN
CITY OF WICHITA, KANSAS
B. E. SMITH, CITY ENGINEER
PROJECT NO. C16-11
DATE: AUG. 1966


FAIRVIEW AVE.
2" water
STA. 6+50 CONST.
STD. M.H. TYPE "A"
Note: Remove exist. M.H. & Plug pipes.
ALLEY
6" Gas
13TH ST.
8" water
6" Gas
Bell Tele. underground conduit
M.H.
STA. 9+33 CONST.
STD. M.H. TYPE "A"
Grate f/o 118.85
f/o out 115.70
30'-15"
15" in 115.40
15" in 115.40
44'-15"
28'
40'
18" out 114.82
15" in 115.30
Exist. 12" in 115.06±
8" Gas
2" water
Bell. Tele. underground conduit
48'-15"
8'
3'
Note: Remove exist. M.H. & Inlets. Plug leads.
Note: Salvage exist. 2'X2' Grate, frame & lids & install @ new locations as shown.
2" water
Grate f/o 118.43
f/o out 115.80
6" Gas
WACO AVE.
8" water
f/o out 115.80
Grate f/o 118.38
f/o in 116.10
16'-12" R.C.P.
f/o out 116.99
exist. f/o 116.99
STA. 9+93 CONST.
STD. M.H. TYPE "A"
INTERCEPT EXIST. 12" S.W.S.
END PROJECT
N
Plan Scale 1" = 40'
Profile Scale 1" = 40' Hor.
1" = 4' Vert.
B.M. 119.92 Iron in thimble on S.E. Cor. 13th St. & Waco
STA. 6+50 CONST.
STD. M.H. TYPE "A"
STA. 9+33 CONST.
STD. M.H. TYPE "A"
STA. 9+93 CONST.
STD. M.H. TYPE "A"
120
Brick Surface
18" R.C.P. @ 0.11 %
18" R.C.P. @ 0.11 %
Exist. 12" S.W.S.
18" out 114.75
18" in 114.75±
18" out 114.82
Exist. 12" in 115.06±
110
114.33
114.38
f/o 114.44
114.49
114.60
114.71
5+50
6
7
8
9
10

INCIDENTAL DRAINAGE
13TH ST. FROM W.L. WACO TO W.L. MAIN ST.
PROJECT NO. C16-11