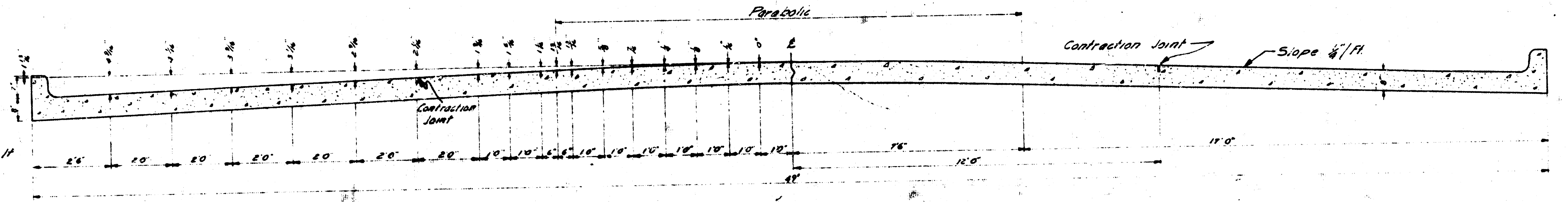
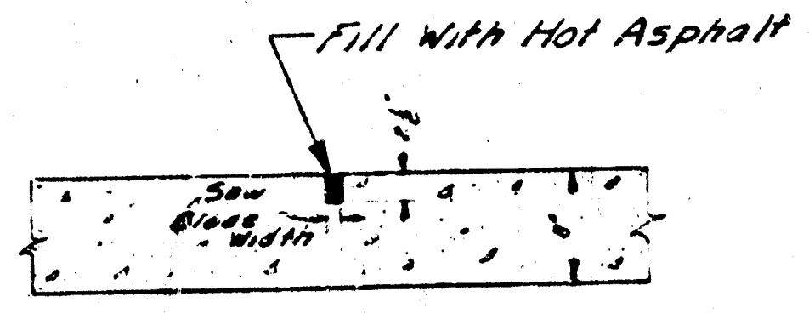
THIRTEENTH STREET

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

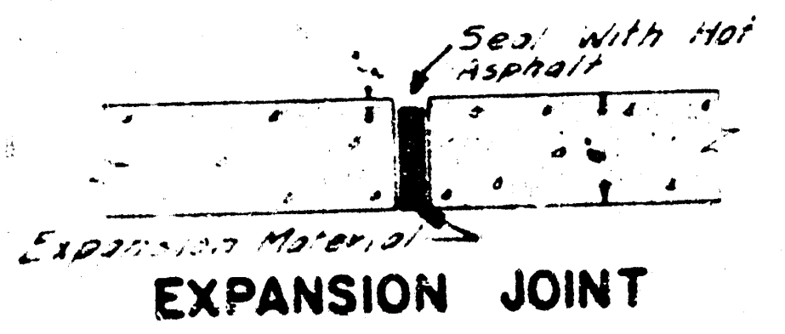
CITY OF WICHITA, KANSAS - B.E. SMITH CITY ENGINEER
PROJECT NO. C16-11 DATE: AUGUST 1966.


Parabolic
Contraction Joint
Contraction Joint
Slope 1/4"/Ft.
2'6"
2'0"
1'0"
6"
7'6"
17'0"
12'0"
49'

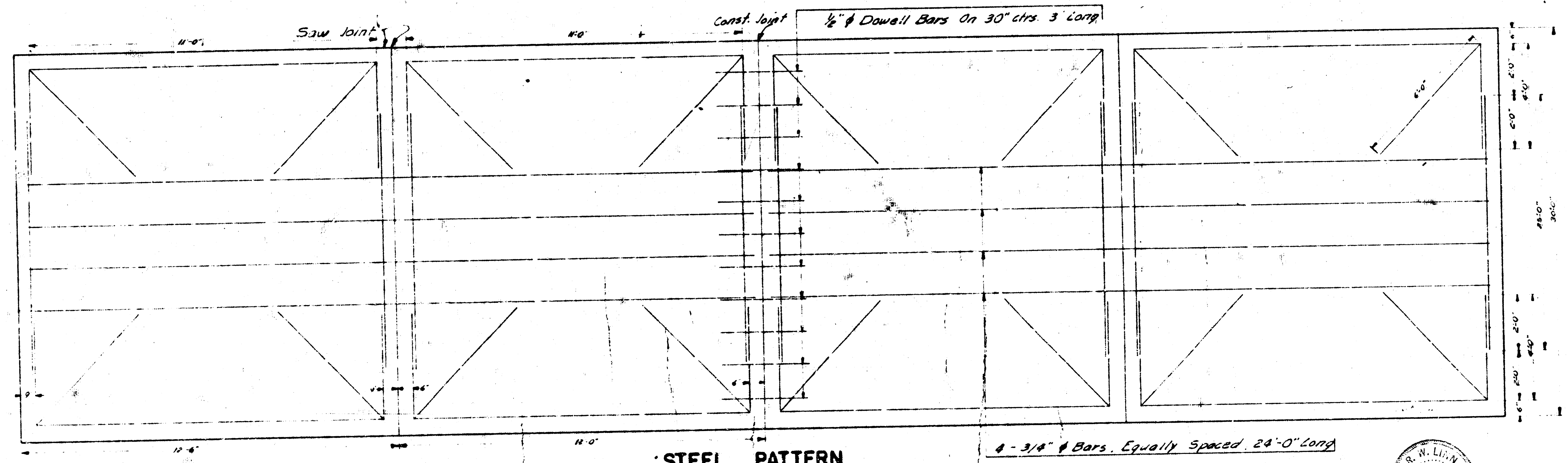
TYPICAL SECTION
No Scale


Fill With Hot Asphalt
Saw Blade Width

CONTRACTION JOINT
No Scale
To Be Used At 30' Intervals Except Where An Expansion Joint Is Used


Seal With Hot Asphalt
1 Expansion Material

EXPANSION JOINT
No Scale
To Be Used At 20' Intervals


Saw Joint
Const. Joint
1/2" ϕ Dowell Bars On 30" ctrs. 3' Long
11'-0"
11'-0"
12'-6"
12'-0"
6'-0"
2'-0"
6'-0"
25'-0"
30'-0"
4 - 3/4" ϕ Bars. Equally Spaced. 24'-0" Long

STEEL PATTERN
No Scale
Use 3/4" ϕ Bars Unless Otherwise Specified

JAMES H. 2012
R. W. LINN 3534

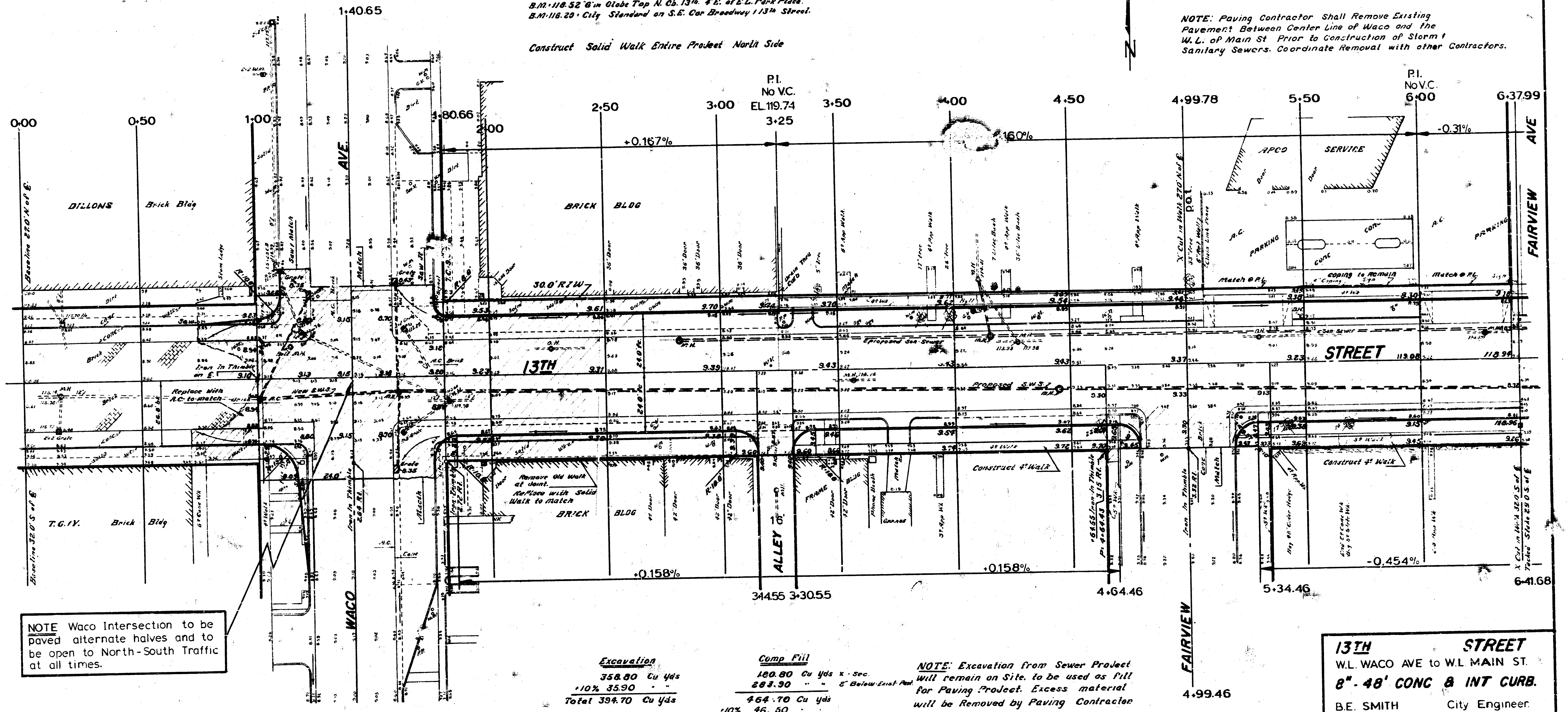
1/5

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%
APCO SERVICE
PARKING
CONC
Coping to Remain
Match @ P.L.
DILLONS
Brick Bldg
BRICK BLDG
WACO AVE
FAIRVIEW AVE
13TH STREET
30.0' R/W
Proposed San Sewer
Proposed SW
Replace with A.C. to match
Iron in Thimble on ℄
New
T.G.I.Y.
Brick Bldg
Remove Old Walk at Joint Replace with Solid Walk to match
BRICK BLDG
ALLEY
Construct 4" Walk
+0.158%
+0.158%
-0.454%
3+14.55
3+30.55
4+64.46
5+34.46
6+41.68
FAIRVIEW
4+99.46

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. Pav't.
	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

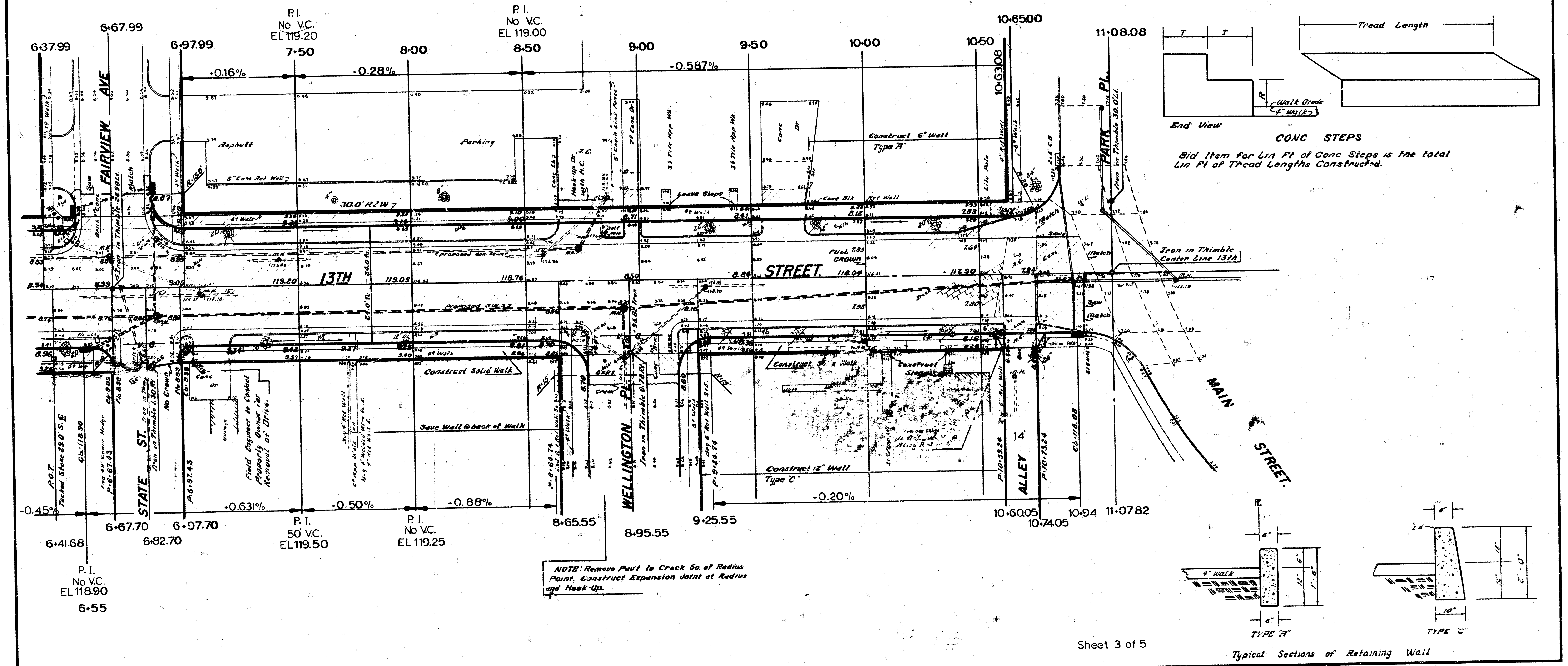

6+37.99
6+67.99
6+97.99
P.I.
No V.C.
EL 119.20
7+50
8+00
P.I.
No V.C.
EL 119.00
8+50
9+00
9+50
10+00
10+50
10+65.00
10+63.08
11+08.08
+0.16%
-0.28%
-0.587%
FAIRVIEW AVE
Iron in Thimble 24.90 Lt.
Saw
Match
Brick
Conc
Asphalt
6" Conc Ret Wall
Parking
R:15.0
4' Walk
30.0' R/W
Cone Cb
Hook-Up Dr. with A.C.
5' Chain Link Fence
7' Conc Dr
3.5 Tile App Wk.
Leave Steps
Conc Dr
Conc Blk
Ret Wall
Construct 6" Wall
Type "A"
Lite Pole
4" Ret Wall
5' Walk
2.5' C.B.
PARK PL.
Iron in Thimble 30.0' Lt.
Iron in Thimble
Center Line 13th
13TH
STREET.
119.20
119.05
118.76
118.04
117.90
24.0' Rt.
FULL CROWN
Proposed San. Sewer
Proposed S.W.S.
M.H.
Sewr
Match
Conc
A.C.
Brick
P.O.T.
Tacked Stake 23.0' S.E.
Cb: 118.90
End 48" Cedar Hedge
P.6+67.43
STATE ST.
Iron in Thimble 1.30 Rt.
No Crown
P.6+97.43
Conc Dr
Garage
Field Engineer to Contact Property Owner for Removal of Drive.
Construct Solid Walk
Save Wall @ back of Walk
P.8+64.74
R:15'
WELLINGTON PL.
Iron in Thimble 0.78 Rt.
Crack
Expt
Construct 5' Walk
Construct Steps
Construct 12" Wall
Type "C"
P.9+24.74
P.10+59.24
ALLEY
14'
P.10+73.24
Cb: 118.08
MAIN STREET.
-0.45%
+0.631%
-0.50%
-0.88%
-0.20%
6+41.68
P.I.
No V.C.
EL 118.90
6+55
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
T
T
R
Walk Grade
4" Walk
End View
Tread Length
℄
6"
4" Walk
6"
12"
1'-6"
6"
TYPE "A"
6"
½ R
12"
12"
2'-0"
10"
TYPE "C"

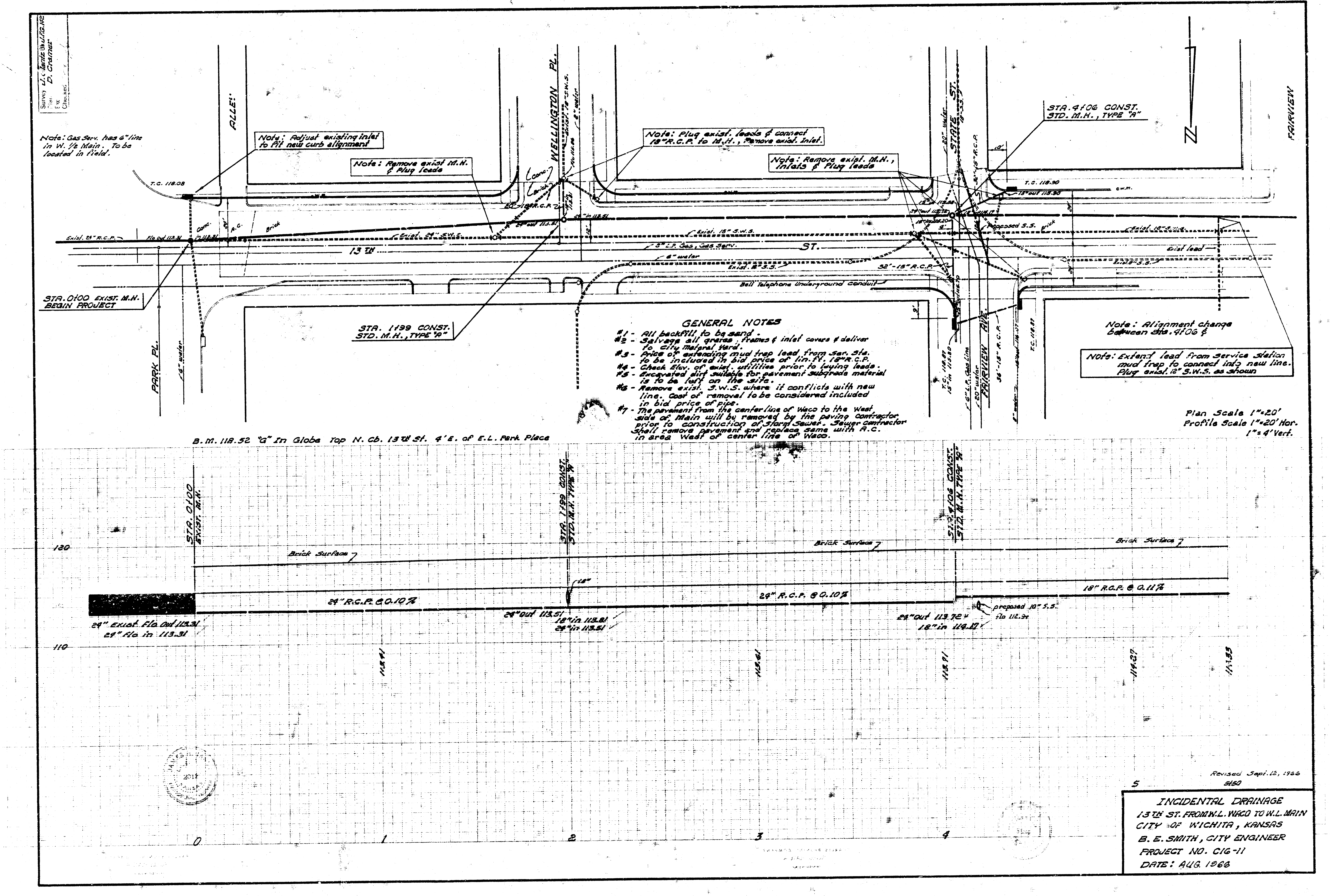
Table of Proportion	
RISERS	TREADS
4½"	16⅝"
5"	15"
5½"	13¾"
6"	12⅝"
6½"	11⅝"

CONC STEPS

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

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

Typical Sections of Retaining Wall

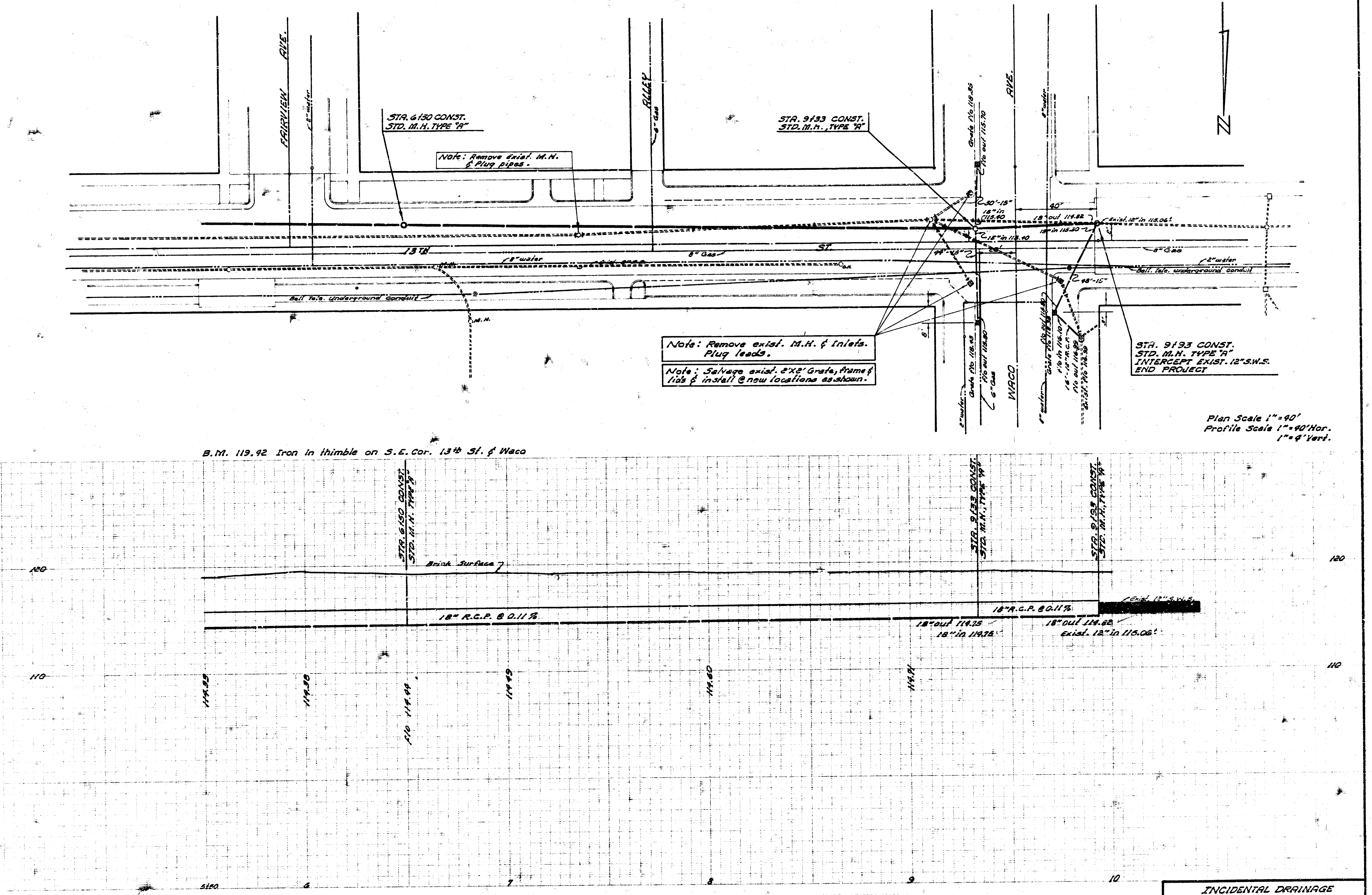

Survey J. C. Jantz Bk J.F.G. 1??
Plan D. Cramer
Exc
Checked
Note: Gas Serv. has 6" line in W. ½ Main. To be located in field.
ALLEY
Note: Adjust existing inlet to fit new curb alignment
Note: Remove exist M.H. & Plug leads
WELLINGTON PL.
Note: Plug exist. leads & connect 18" R.C.P. to M.H., Remove exist. Inlet.
Note: Remove exist. M.H., inlets & Plug leads
STATE ST.
STA. 4106 CONST. STD. M.H., TYPE "A"
FAIRVIEW
T.C. 118.08
T.C. 118.90
18" out 113.90
c.w.m.
Exist. 24" R.C.P.
Flo out 113.31
in 113.31
Conc.
A.C.
Brick
Exist. 24" S.W.S.
Exist. 15" S.W.S.
Exist. 12" S.W.S.
13TH ST.
5" L.P. Gas, Gas Serv.
6" water
Exist. 12" S.S.
Exist. 8" S.S.
Exist lead
Proposed S.S.
32'-15" R.C.P.
Bell Telephone Underground Conduit
20" water
18" S.S.
36'-15" R.C.P.
10'
9'
STA. 0100 EXIST. M.H. BEGIN PROJECT
STA. 1199 CONST. STD. M.H., TYPE "A"
PARK PL.
6" water
T.C. 118.87
15" in 115.80
6" L.P. Gas Line
20" water
FAIRVIEW AVE.
8" water
T.C. 118.87
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
Plan Scale 1"=20'
Profile Scale 1"=20' Hor.
1"=4' Vert.
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 112.3
113.41
113.61
113.91
114.37
114.33
0
1
2
3
4
5

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.

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"
ALLEY
6" Gas
13TH ST.
8" Gas
8" water
Bell Tele. Underground Conduit
M.H.
STA. 9+33 CONST.
STD. M.H., TYPE "A"
Grate f/o 118.35
f/o out 115.70
30'-15"
15" in 115.40
15" in 115.40
44'-15"
20'
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'
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'-18" 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
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"
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±
120
110
114.39
114.30
f/o 114.44
114.49
114.60
114.71
5+50
6
7
8
9
10

Note: Remove exist. M.H. & Plug pipes.

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

Note: Salvage exist. 2'X2' Grate, frame & lids & install @ new locations as shown.

Plan Scale 1" = 40'
Profile Scale 1" = 40' Hor.
1" = 4' Vert.

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

11 1 4 ⑥