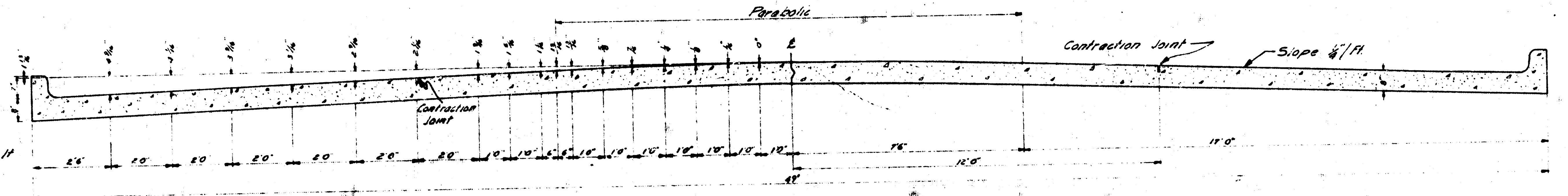
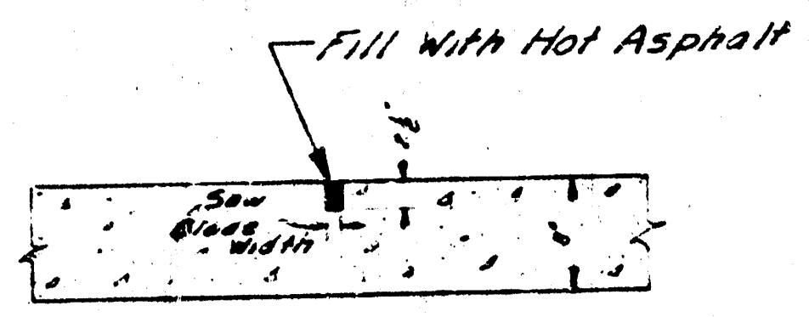
THIRTEENTH STREET

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

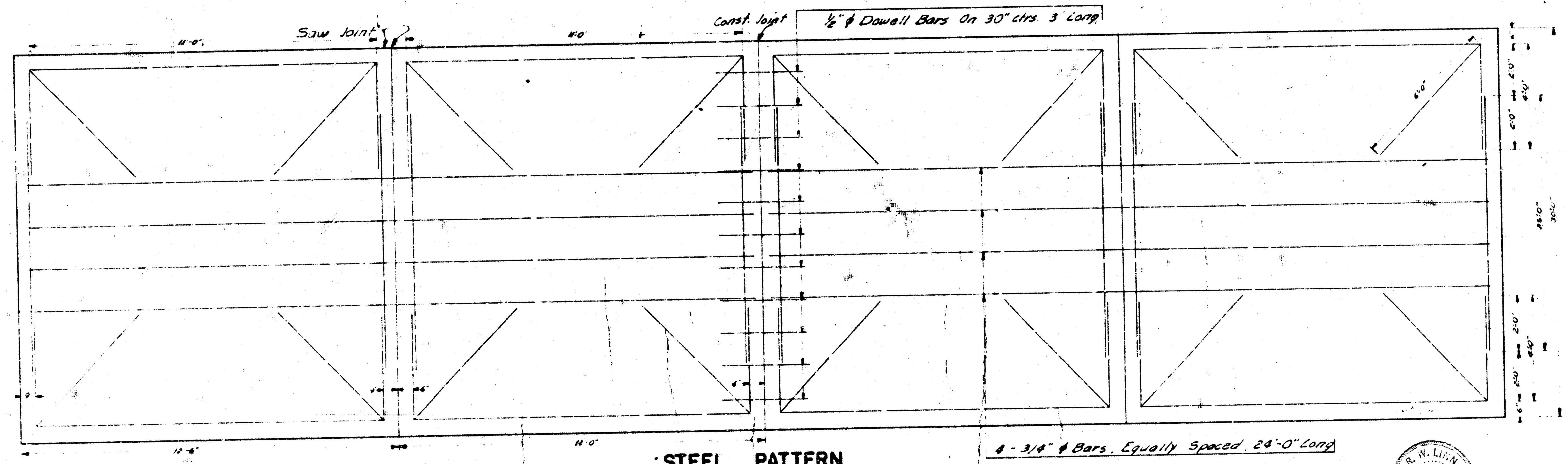
CITY OF WICHITA, KANSAS - B.E. SMITH CITY ENGINEER
PROJECT NO. C16-11 DATE: AUGUST 1966.


Parabolic
Contraction Joint
Slope 1/4"/Ft.
Contraction Joint
2'6"
2'0"
2'0"
2'0"
2'0"
2'6"
2'0"
1'0"
1'0"
6"
6"
1'0"
1'0"
1'0"
1'0"
1'0"
1'0"
1'0"
7'6"
12'0"
17'0"
42'

TYPICAL SECTION
No Scale


Fill With Hot Asphalt
Saw Blade Width

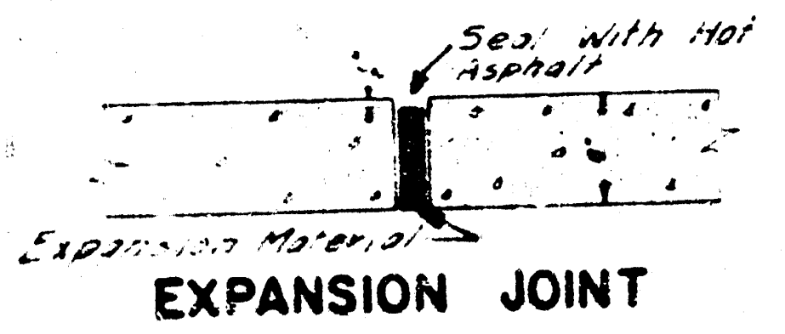
CONTRACTION JOINT
No Scale
To Be Used At 30' Intervals
Except Where An Expansion
Joint Is Used


Saw Joint
11'-0"
11'-0"
Const. Joint
6'0"
2'0"
6'0"
2'0"
45'0"
30'0"
2'0"
6'0"
12'-6"
11'-0"

1/2" ϕ Dowell Bars On 30" ctrs. 3' Long

4 - 3/4" ϕ Bars. Equally Spaced. 24'-0" Long

STEEL PATTERN
No Scale
Use 3/8" 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

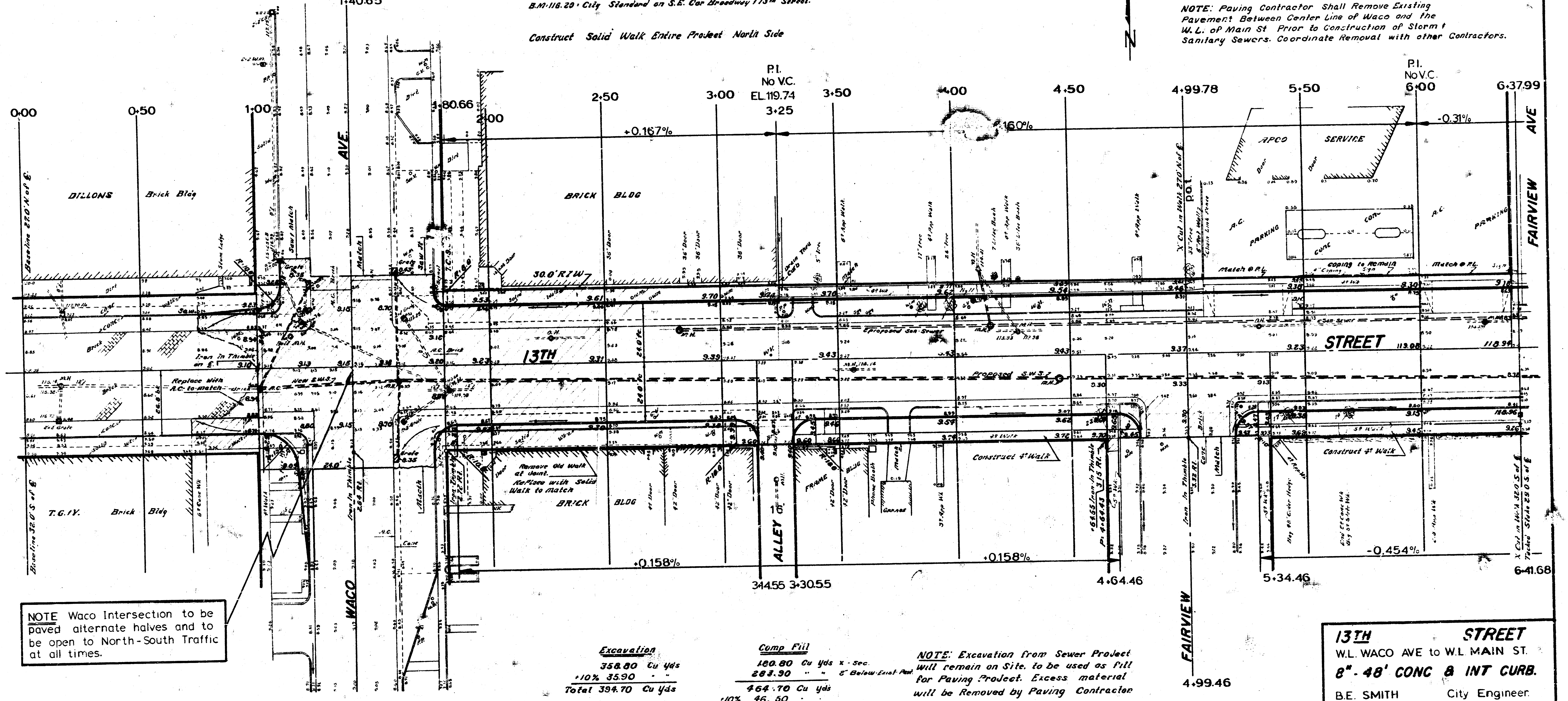
1/5

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. = 116.20 = 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%
DILLONS
Brick Bldg
BRICK BLDG
APCO SERVICE
PARKING
CONC
Coping to Remain
FAIRVIEW AVE
WACO AVE
13TH
STREET
ALLEY
FAIRVIEW
Proposed Sewer
Proposed SW&S
Replace with A.C. to match
Remove Old Walk at Joint Replace with Solid Walk to Match
Construct 4" Walk
T.G.IV.
Brick Bldg
BRICK BLDG
30.0' R/W
+0.158%
+0.158%
-0.454%
3+14.55
3+30.55
4+64.46
4+99.46
5+34.46
6+41.68

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.
464.70 Cu Yds
+10% 46.50 " "
Total: 511.20 Cu Yds

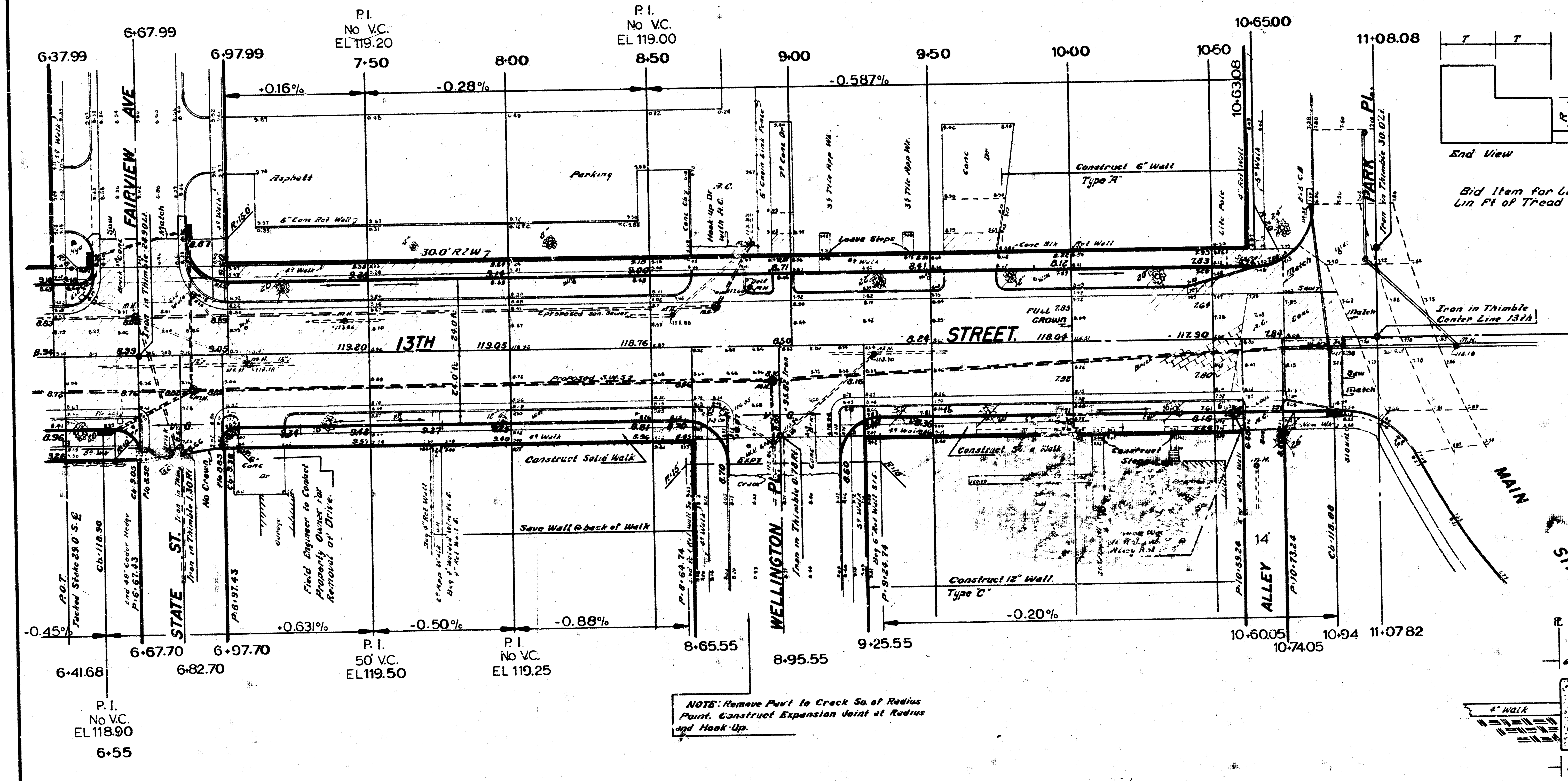
NOTE: Excavation from Sewer Project will remain on Site, to be used as fill for Paving Project. Excess material will be Removed by Paving Contractor

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

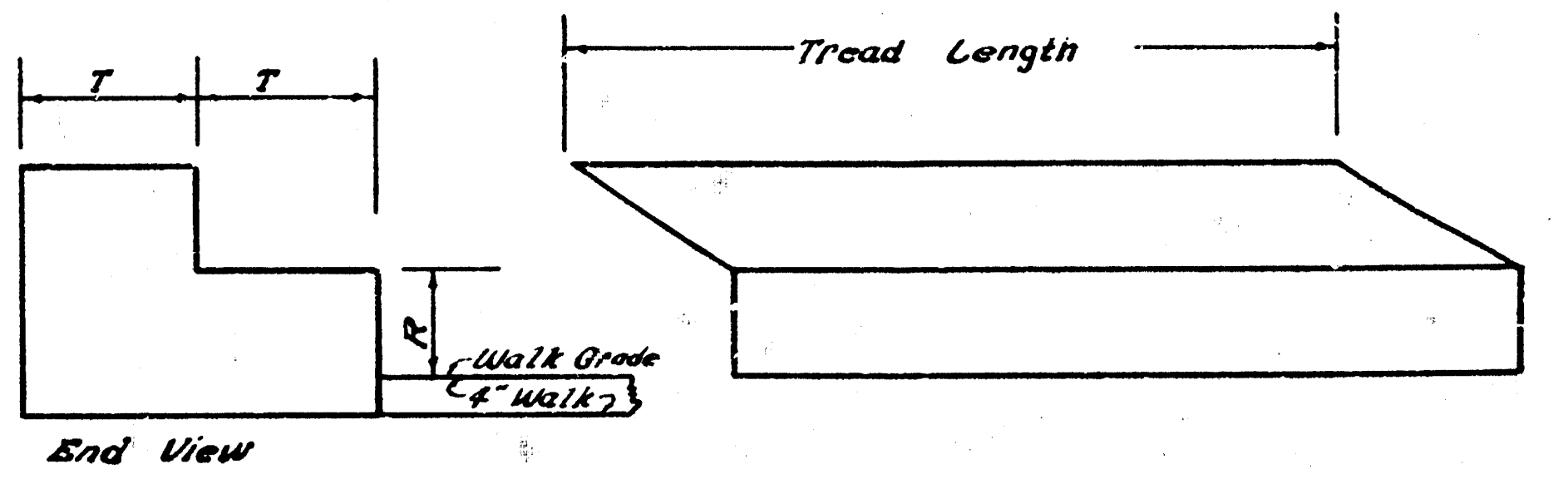
Sheet 2 of 5

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"	13¾"
6"	12 5/8"
6½"	11 5/8"

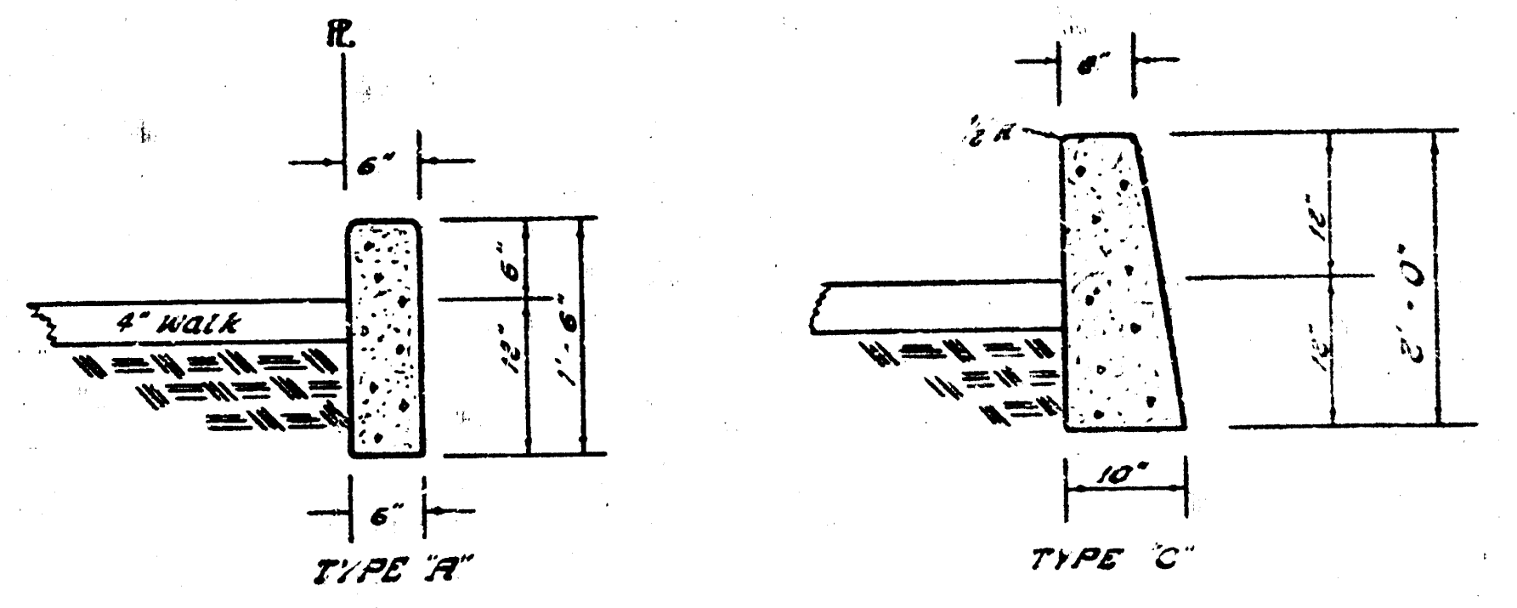

6+37.99
6+67.99
6+97.99
P.I.
No V.C.
EL 119.20
7+50
8+00
P.I.
No V.C.
EL 119.00
8+50
9+00
9+50
10+00
10+50
10+65.00
10+63.08
11+08.08
+0.16%
-0.28%
-0.587%
FAIRVIEW AVE
Iron in Thimble 28.90 Lt
Match
Saw
Brick
Conc
Asphalt
Parking
6" Conc Ret Wall
R=15.0'
4' Walk
30.0' R/W
Cone Cb
Hook-Up Dr. with A.C.
5' Chain Link Fence
7' Conc Dr
3.5 Tile App Wk.
Leave Steps
Conc Dr
Construct 6" Wall Type "A"
Conc Blk Ret Wall
Lite Pole
4" Ret Wall
5' Walk
PARK PL.
Iron in Thimble 30.0' Lt
Iron in Thimble Center Line 13th
13TH
STREET.
FULL CROWN
119.20
119.05
118.76
118.04
117.90
24.0 ft
Proposed San. Sewer
Proposed S.W.S.Z.
M.H.
Brick
Match
Saw
Conc
A.C.
P.O.T.
Tacked Stake 28.0' 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
Garage
Field Engineer to Contact Property Owner for Removal of Drive.
4' Walk
Construct Solid Walk
Save Wall @ back of Walk
P: 8+64.74
WELLINGTON PL.
Iron in Thimble 0.78 Rt
R=15'
Crack
P: 9+24.74
Construct Steps
Construct 12" Wall. Type "C"
ALLEY
14'
P: 10+59.24
P: 10+73.24
Cb: 118.88
MAIN STREET.
-0.45%
+0.631%
-0.50%
-0.88%
-0.20%
6+41.68
6+67.70
6+82.70
6+97.70
P.I.
No V.C.
EL 118.90
6+55
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

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

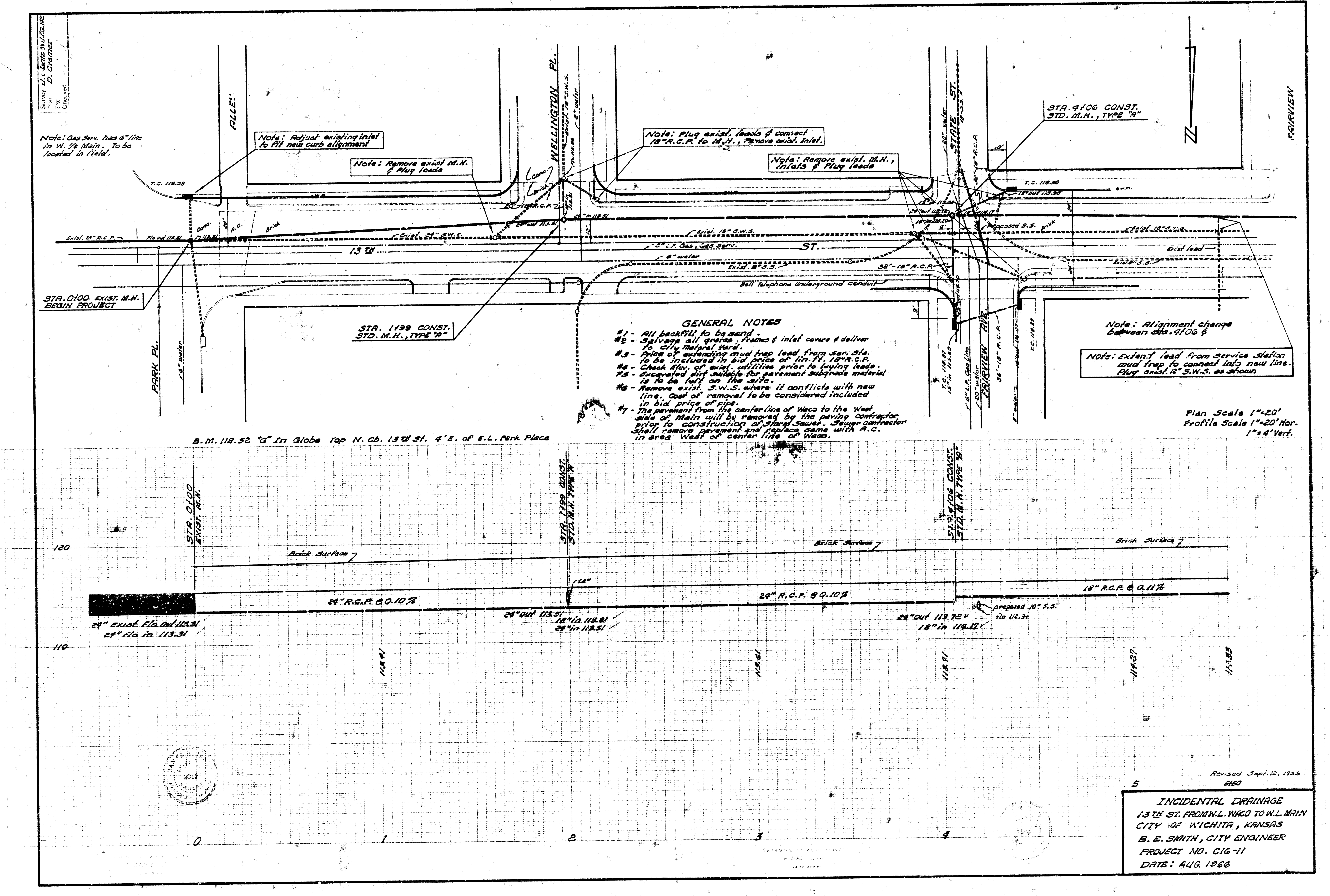

T
T
Tread Length
R
Walk Grade
4" Walk
End View

CONC STEPS

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


℄
6"
4" walk
6"
12"
1'-6"
6"
TYPE "A"
6"
½ R
12"
12"
2'-0"
10"
TYPE "C"

Typical Sections of Retaining Wall


Survey J. C. Jantz Bk. J. F.G. 142
Plan D. Cramer
Exc
Checked
ALLEY
WELLINGTON PL.
STATE ST.
FAIRVIEW AVE.
FAIRVIEW
PARK PL.
13TH ST.
N
T.C. 118.08
T.C. 118.90
T.C. 118.81
T.C. 118.87
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.
Exist. 8" S.S.
Exist. 12" S.S.
Exist lead
Proposed S.S.
8" L.P. Gas, Gas Serv.
6" water
8" water
20" water
6" L.P. Gas Line
18" S.S.
36'-15" R.C.P.
52'-15" R.C.P.
Bell Telephone Underground Conduit
c.w.m.
13" out 113.90
10'
9'
4'
STA. 0100 EXIST. M.H. BEGIN PROJECT
STA. 1199 CONST. STD. M.H., TYPE "A"
STA. 4106 CONST. STD. M.H., TYPE "A"
B.M. 118.52 "G" In Globe Top N. Cb. 13th St. 4' E. of E.L. Park Place
120
110
Brick Surface
24" R.C.P. @ 0.10%
18" R.C.P. @ 0.11%
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 114.11
18"
proposed 10" S.S.
Flo 112.34
113.41
113.61
113.91
114.37
114.35
0
1
2
3
4
5

Note: Gas Serv. has 6" line in W. 1/2 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

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

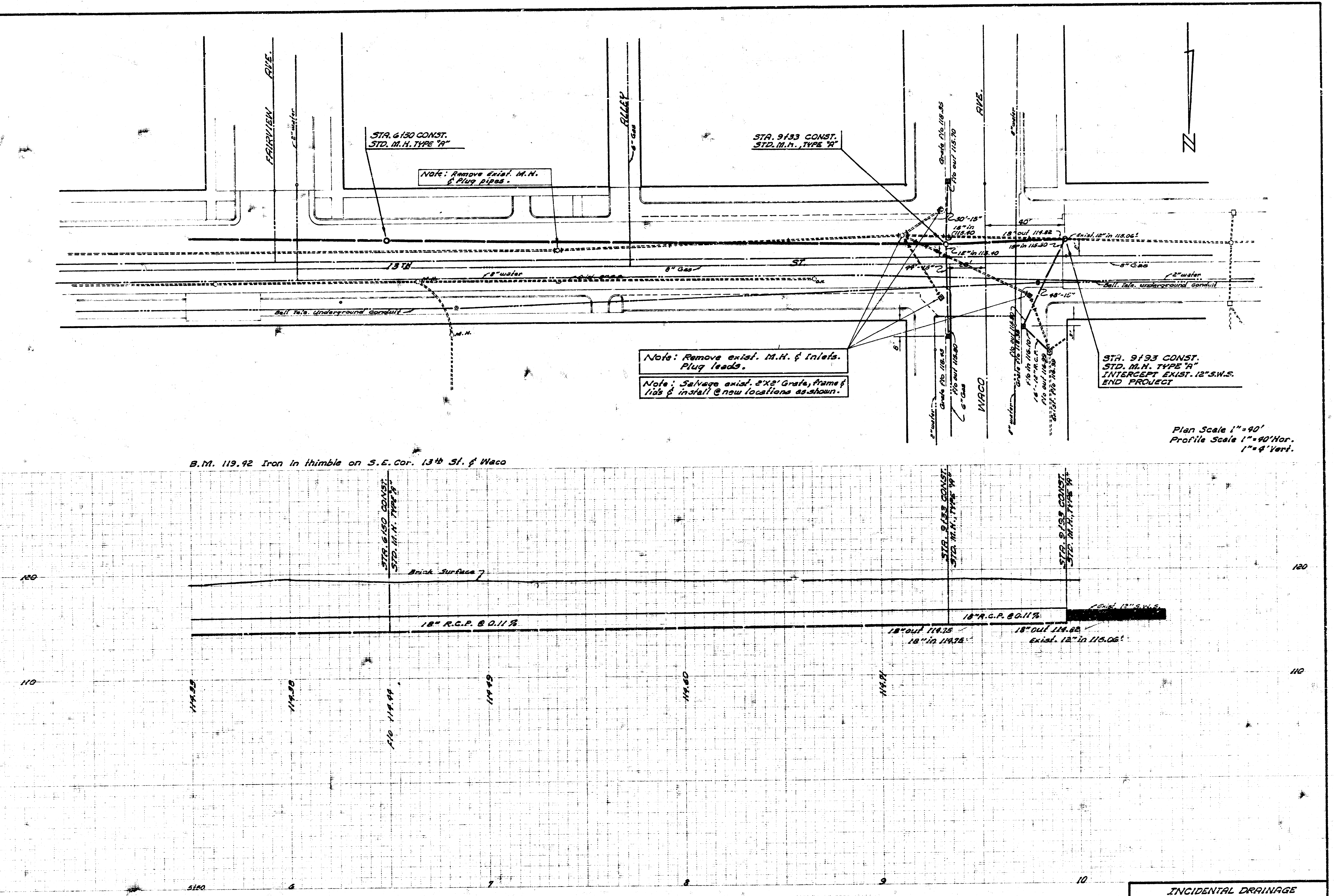
GENERAL NOTES

#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
ALLEY
6" Gas
STA. 6+50 CONST.
STD. M.H. TYPE "A"
Note: Remove exist. M.H. & Plug pipes.
13TH ST.
8" water
8" Gas
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"
40'
18" out 114.82
15" in 115.30
Exist. 12" in 115.06±
48'-15"
2" water
8" Gas
Bell. Tele. underground conduit
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'-12" R.C.P.
f/o out 116.99
exist. f/o 116.39
Note: Remove exist. M.H. & Inlets. Plug leads.
Note: Salvage exist. 2'X2' Grate, frame & lids & install @ new locations as shown.
STA. 9+93 CONST.
STD. M.H. TYPE "A"
INTERCEPT EXIST. 12" S.W.S.
END PROJECT
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"
Brick Surface
120
120
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
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

11 1 4 ⑥