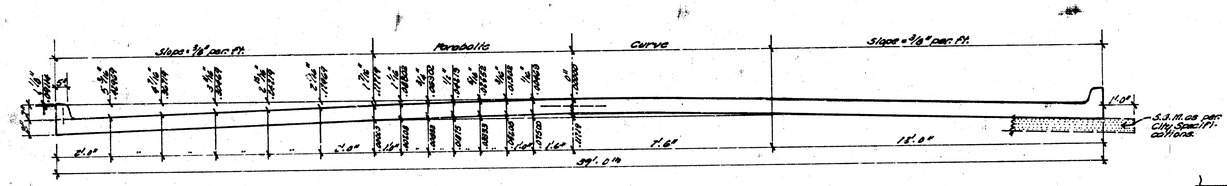
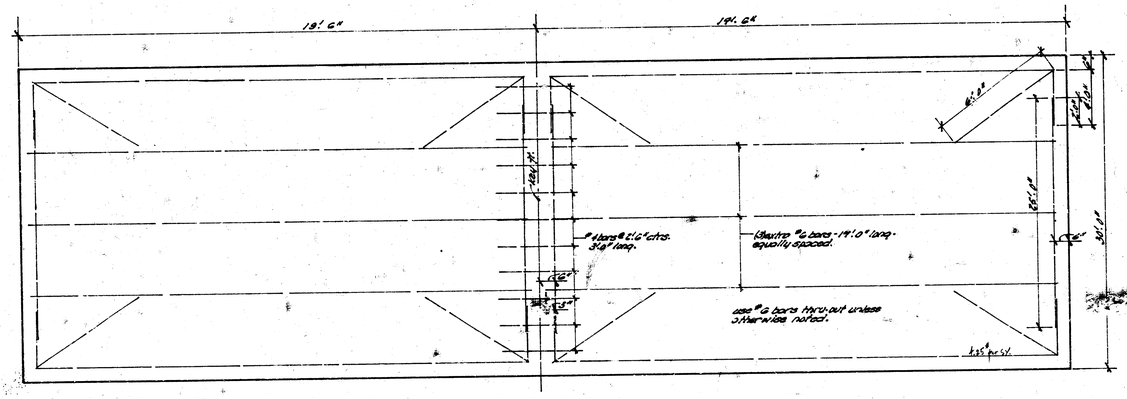
—MARKET STREET—

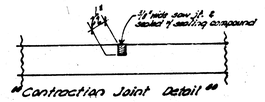
N.L. 13TH. ST. to C.L. 18TH. ST
PROJ. NO. DAK M5 70050
R.W. LINN — City Engineer



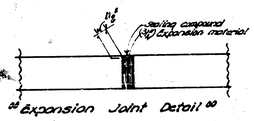
TYPICAL SECTION



STEEL PATTERN



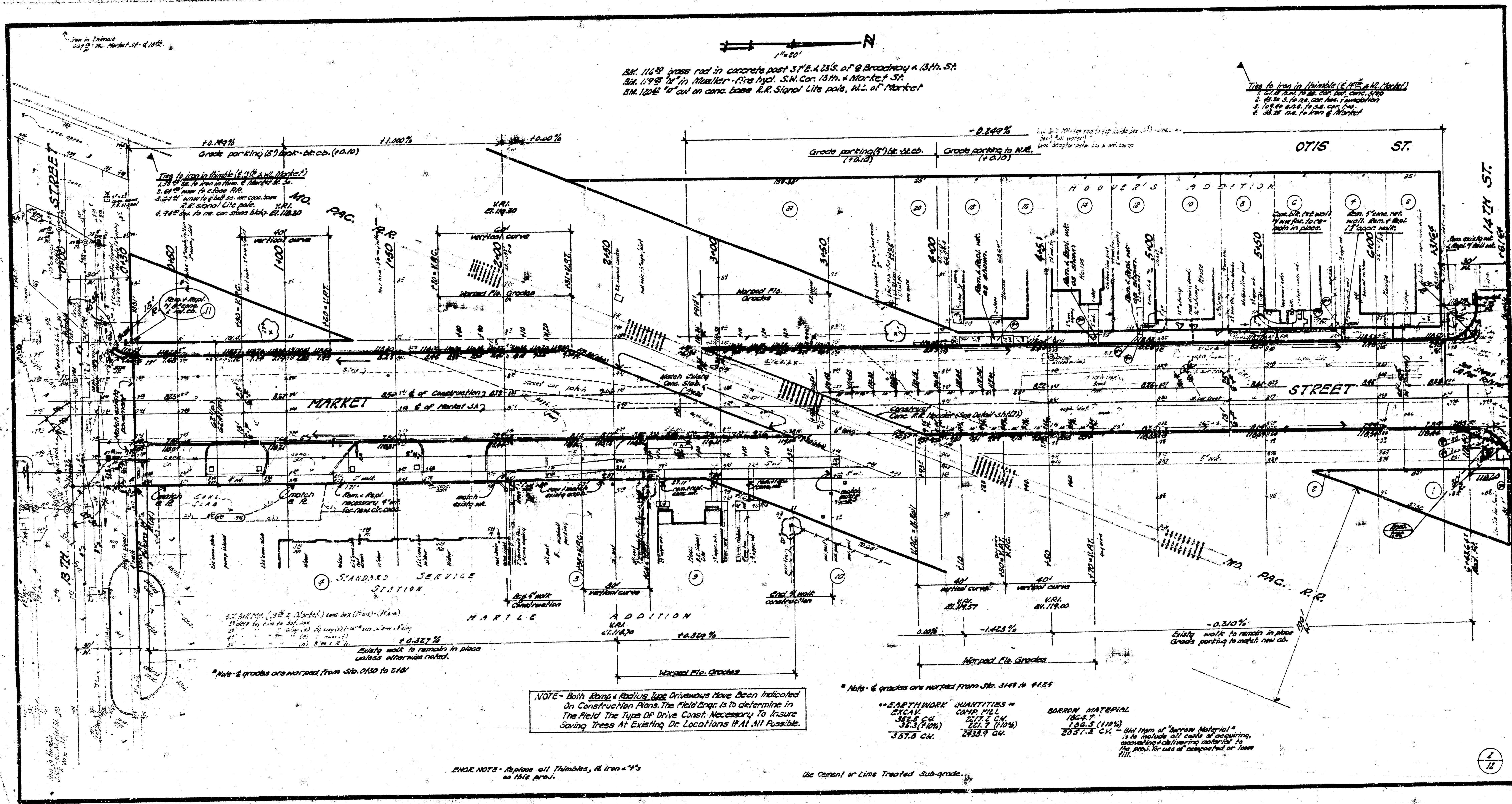
Contraction Joint Detail



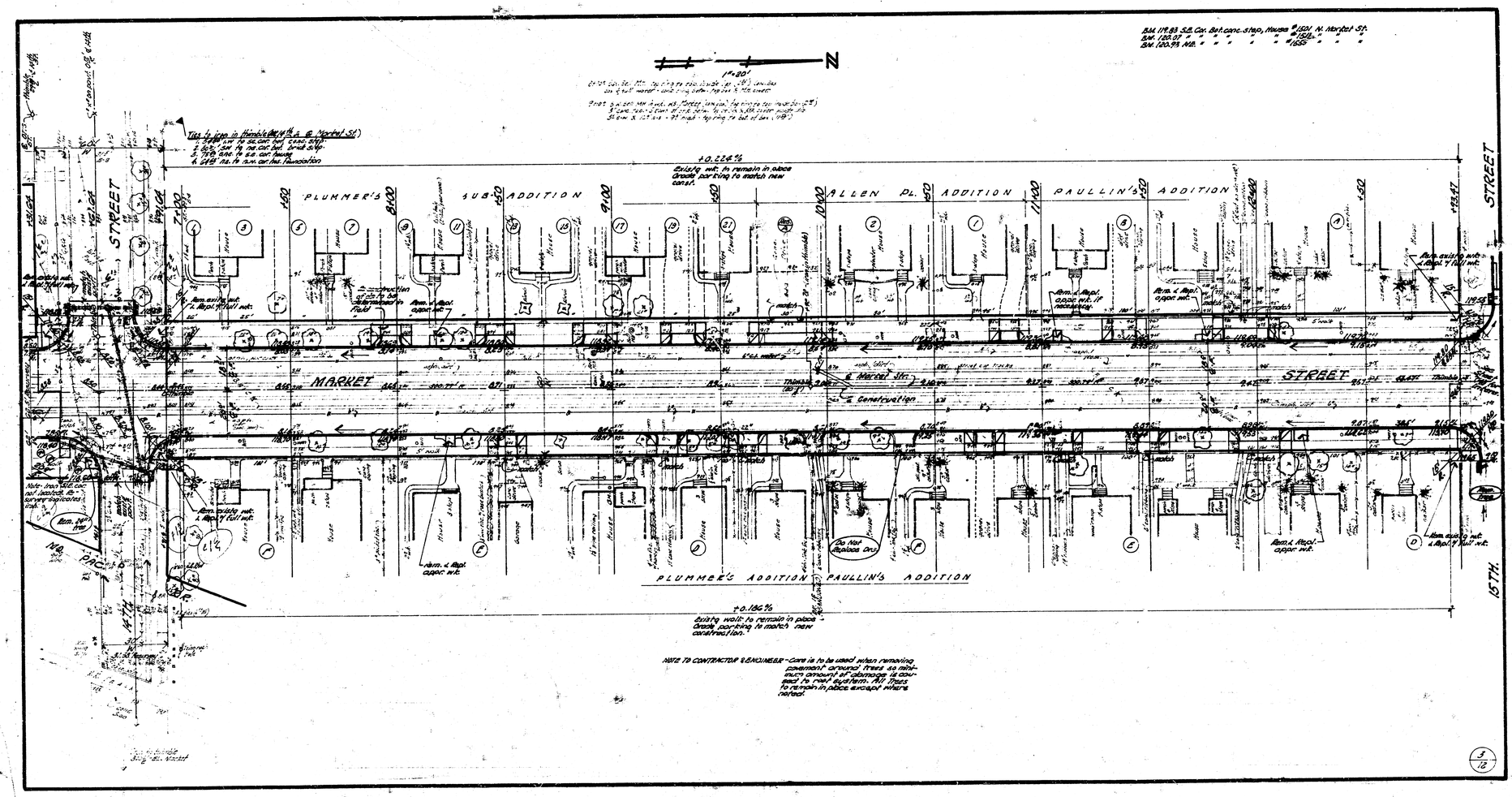
Expansion Joint Detail

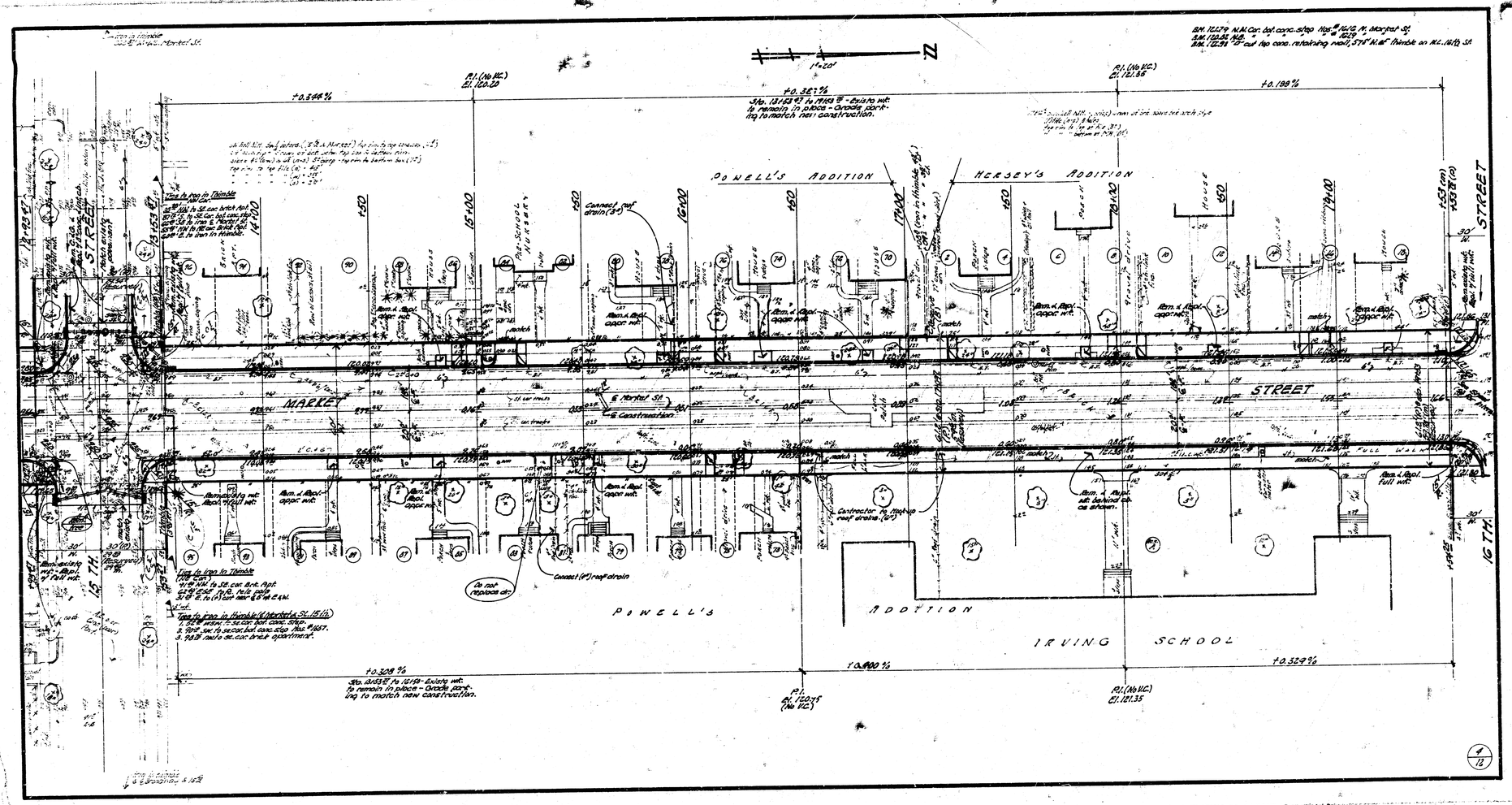
Survey
Plan
Ck.
Checked

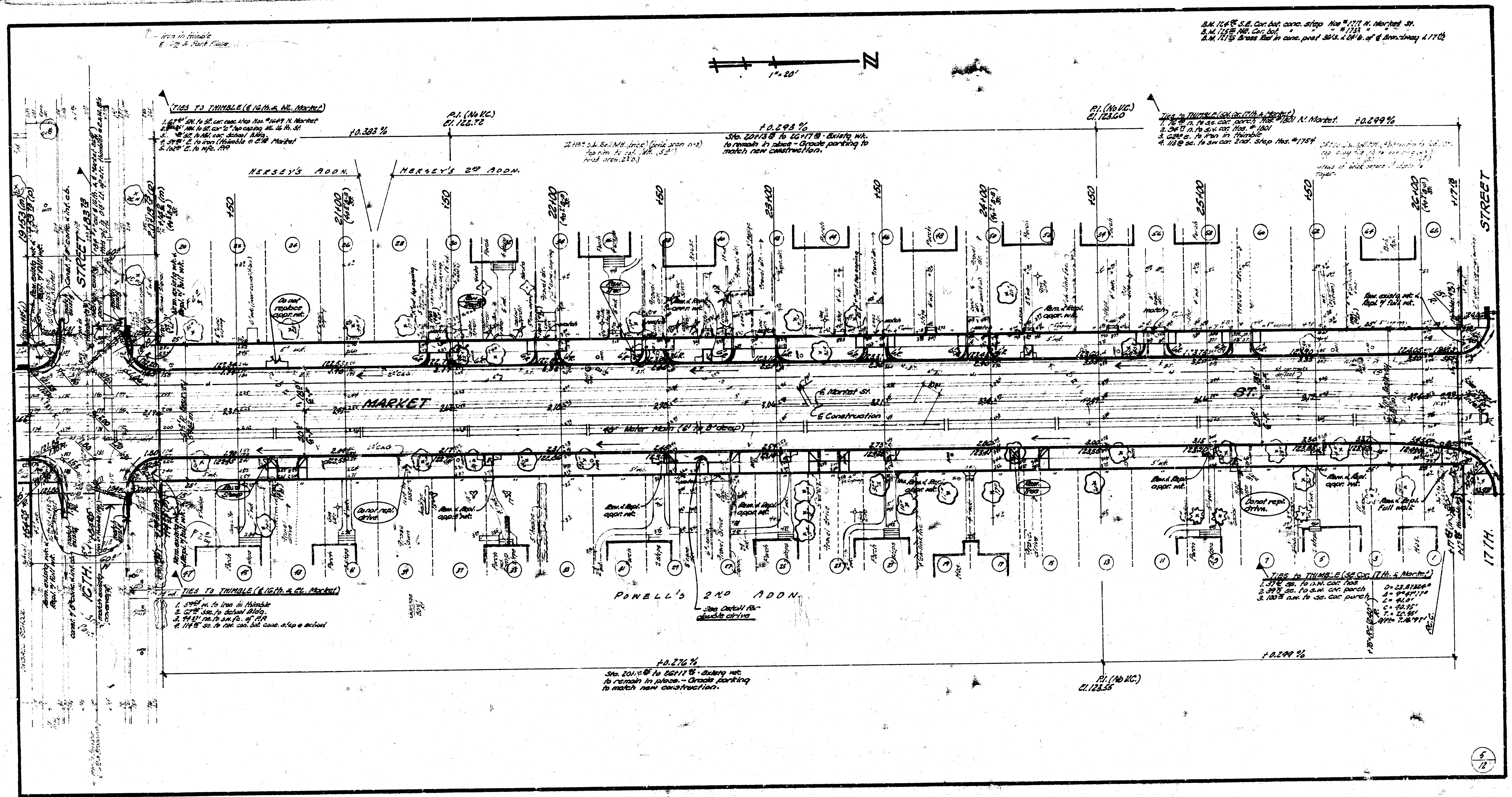
7/18

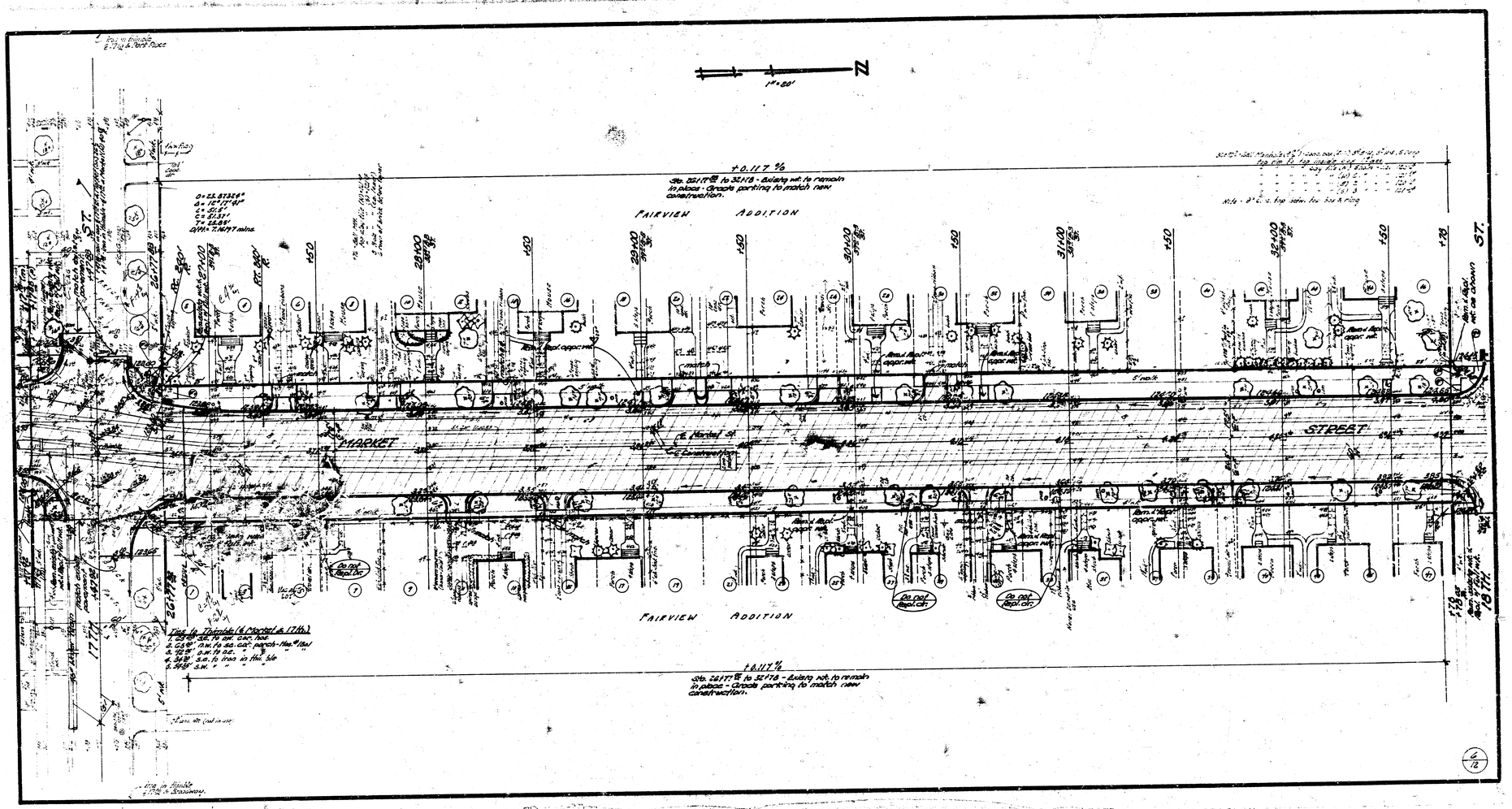


1" = 20'
N
B.M. 116.20 brass rod in concrete post 37' E. & 23' S. of ℄ Broadway & 13th. St.
B.M. 119.95 "M" in Mueller-fire hyd. S.W. Cor. 13th. & Market St.
B.M. 120.02 "□" cut on conc. base R.R. Signal Lite pole, W.L. of Market
Ties to iron in thimble (℄ 14th. & W.L. Market)
1. 61.18 n.w. to se. cor. bot. conc. step
2. 43.20 S. to ne. cor. hse. foundation
3. 109.40 e.n.e. to s.e. cor. hse.
4. 38.25 n.e. to iron ℄ Market
Ties to iron in thimble (℄ 13th. & W.L. Market)
1. 38.83 Sc. to iron in Hdm. ℄ Market St. So.
2. 64.40 nnw to c.face R.P.
3. 64.45 wnw to ℄ bolt sc. cor. conc. base R.R. signal Lite pole.
4. 94.80 ssw. to ne. cor. stone bldg. El. 118.30
+0.149%
Grade parking (5') back-bk. cb. (+0.10)
+1.000%
+0.00%
-0.249%
Grade parking (5') bk.-bk. cb. (+0.10)
Grade parking to W.L. (+0.10)
OTIS ST.
HOOVER'S ADDITION
MO. PAC. R.R.
V.P.I. El. 119.30
60' vertical curve
40' vertical curve
Warped Flo. Grades
Rem. & Repl. 4' 6" conc. & Int. cb.
Rem. & Repl. wall as shown.
Conc. blk. ret. wall w/ ww. fnc. to remain in place.
Rem. 5" conc. ret. wall. Rem. & Repl. 1.5' appr. walk.
Rem. existg wall & Repl. w/ 4ft wall.
13TH STREET
14TH ST.
MARKET
STREET
℄ of Construction
℄ of Market St.
Match Existg Conc. Slab.
Construct Conc. R.R. Header (See Detail-sht.(7))
Match existg pavement
Rem. & Repl. necessary 4" wk. for new dr. conc.
match existg wk.
Beg. 5' walk Construction
End 5' walk construction
STANDARD SERVICE STATION
HARTLE ADDITION
V.P.I. El. 118.70
V.P.I. El. 119.57
V.P.I. El. 119.00
+0.327%
+0.829%
0.00%
-1.425%
-0.310%
Existg walk to remain in place unless otherwise noted.
Existg walk to remain in place Grade parking to match new cb.
* Note - ℄ grades are warped from Sta. 0130 to 2181
* Note - ℄ grades are warped from Sta. 3148 to 4134
NOTE - Both Ramp & Radius Type Driveways Have Been Indicated On Construction Plans. The Field Engr. Is To determine In The Field The Type Of Drive Const. Necessary To Insure Saving Trees At Existing Dr. Locations If At All Possible.
** EARTHWORK QUANTITIES **
EXCAV. 352.5 C.Y. 35.3 (+10%) 387.8 C.Y.
COMP. FILL 2217.2 C.Y. 221.7 (+10%) 2438.9 C.Y.
BORROW MATERIAL 1864.7 186.5 (+10%) 2051.2 C.Y. - Bid Item of "Borrow Material" is to include all costs of acquiring, excavating & delivering material to the proj. for use of compacted or loose fill.
ENGR. NOTE - Replace all Thimbles, R. iron & "+"s on this proj.
Use Cement or Lime Treated Sub-grade.
2/12


N
1"=80'
BM. 119.83 S.E. Cor. Bot. conc. Step, House # 1201 N. Market St.
BM. 120.07 " " " " " " #1215 " " "
BM. 120.95 Nail " " " " " #1255 " " "
STREET
PLUMMER'S SUB ADDITION
ALLEN PL. ADDITION
PAULLIN'S ADDITION
MARKET
STREET
15TH
Existing wall to remain in place - Grade parking to match new construction.
PLUMMER'S ADDITION
PAULLIN'S ADDITION
Do Not Replace Curb
NOTE TO CONTRACTOR & ENGINEER - Care is to be used when removing pavement around trees so minimum amount of damage is caused to root system. All trees to remain in place except where noted.


STREET
MARKET
STREET
15 TH.
16 TH.
POWELL'S ADDITION
HERSEY'S ADDITION
POWELL'S ADDITION
IRVING SCHOOL
Pub. School Nursery
Connect roof drain. (6")
Do not replace dr.
Contractor to field tie roof drains. (6")
Rem. existing mkt. & Repl. with full mkt.
Rem. & Repl. copper mkt.
Rem. & Repl. full mkt.
Rem. & Repl. copper mkt. as shown.
Rem. existing mkt. & Repl. with full mkt.
Tie to top in Thimble
Tie to top in Thimble (16th St.)
Tie to top in Thimble (4th Market & St. 15th St.)
+0.344%
+0.351%
+0.199%
+0.308%
+0.400%
+0.329%
P.I. (No V.C.) El. 120.00
P.I. (No V.C.) El. 121.35
P.I. (No V.C.) El. 120.75
P.I. (No V.C.) El. 121.35
Sta. 18+63.97 to 19+19 - Existing mkt. to remain in place - Grade adjustment to match new construction.
Sta. 18+63.97 to 19+19 - Existing mkt. to remain in place - Grade adjustment to match new construction.
Z
1"=20'
4/12


B.M. 124.92 S.E. Cor. bot. conc. step Hos #1717 N. Market St.
B.M. 125.95 NE. Cor. bot. " " " #1733 " "
B.M. 121.35 Brass Rod in conc. post 36'S. & 24'E. of ℄ Broadway & 17th
1"=20'
N
TIES TO THIMBLE (℄ 16th & W.L. Market)
1. 67.40' SW. to SE. cor. conc. step Hos. #1649 N. Market
2. 85' NW. to SE. cor "C" top coping W.L. 16 th. St.
3. 52' to NW. cor. School Bldg.
4. 59.85' E. to iron (thimble @ C.L. Market
5. 102.50' E. to Hfc. P.P.
+0.383 %
P.I. (No V.C.)
El. 122.72
+0.293 %
Sta. 20+13.8 to 26+17.8 · Existg. wk. to remain in place - Grade parking to match new construction.
P.I. (No V.C.)
El. 123.60
Ties to THIMBLE (SW. Cor. 17th & Market)
1. 76.40 n. to s.e. cor. porch Hos. #1801 N. Market
2. 34.77 n. to s.w. cor. Hos. # 1801
3. 62.80 e. to iron in thimble
4. 113.50 sc. to sw cor. 2nd. step Hos. #1754
+0.299 %
HERSEY'S ADDN.
HERSEY'S 2ND ADDN.
16TH. STREET
17TH. STREET
MARKET ST.
℄ Market St.
℄ Construction
48" Water Main (6' to 8' deep)
Do not replace appr. wk.
Do not repl. drive.
Rem. & Repl. appr. wk.
Rem. & Repl. Full walk
Rem. existg. wk. & Repl. w/ full wk.
POWELL'S 2ND ADDN.
See Detail for double drive
TIES TO THIMBLE (℄ 16th & E.L. Market)
1. 59.65' w. to iron in thimble
2. 67.95' se. to School Bldg.
3. 94.27' ne. to sw. fc. of P.P.
4. 114.55' se. to nw. cor. bot. conc. step @ school
TIES to THIMBLE (SE. Cor. 17th & Market)
1. 37.40 se. to n.w. cor. hos.
2. 39.75 se. to s.w. cor. porch
3. 100.25 n.w. to se. cor. porch
D= 23.87324°
Δ= 9°47'17"
L= 41.0'
C= 40.95'
T= 20.55'
+0.276 %
Sta. 20+13.8 to 26+17.8 · Existg. wk. to remain in place. - Grade parking to match new construction.
P.I. (No V.C.)
El. 123.55
+0.299 %
5/12


N
1" = 50'
+0.117 %
Sta. 32+17.18 to 32+18 - Existing not to remain in place - Grade parking to match new construction.
FAIRVIEW ADDITION
MARKET STREET
E. Market St.
Do not Repl. Ctr.
Bench mark set as shown
Line to Tangent (E Market & 7th)
1. 29.98' Sta. to sur. cor. hor.
2. 123.18' S.w. to sta. cor. pavers-Mar. Mon.
3. 19.18' S.w. to cc. "
4. 3.18' S.e. to iron in flat Sta
5. 59.18' S.w. " "
+0.117 %
Sta. 32+17.18 to 32+18 - Existing not to remain in place - Grade parking to match new construction.
6/18

Iron in tunnel
E. 18th & Park Place

Ties to iron in thimble (E. 19th & Market St.)
1. 27.6' ne to sw cor. apartment hse.
2. 21.4' nw to se cor. " "
3. 114.5' sw to ne " Fire Station
4. 6.4' se to sw " bottom conc. step
5. Iron pin on E 18th St.

N

STREET

FIRE STATION

MARKET STREET

BRICK APT. (3 story)

18TH.

Remove existing curb

Remove existing curb & pavement

Rem. & Repl. Existing brick surface as necessary to match new construction.

Iron in thimble
E. 19th & Broadway

■ NOTE: all conc. drives constructed on 19th. street to have min. width of (20'-0").
All existing drives to be re-constructed unless otherwise noted.

Red. 4" plat. between stop and bf. to be 6.0" below fo. cb.

"TYPICAL DOUBLE DRIVE DETAIL"
(Some conditions apply to ramp-type dks.)
size of ramps to be determined by dist. between cb's & walk

"MARKET STREET"
(Existing Pavement)

① 13th St. to 14th St. = 1½" sheet asph. filler, 6" concrete base separate c.b.s. afr. Street railway from St. 44th St. to St. Missouri Pacific R.R. crossing paved 9" brick, grout filler, on 12" conc. base in tracks & 6" conc. betwn tracks, all rails rem., wooden ties remain. All brick so. of R.R. rem., reset faced 1" asph. on asph. binder. North of R.R. outside rail space repaired 9" asph., inside rail space in dbl. trk. repaired 9" brick.

② 14th to 16th = 1½" Sheet asph., 1½" binder, 6" conc. base & separate cb. & gtr.

③ 16th to 20th = 4" brick pavement on 6" conc. base & separate cb. & gtr.

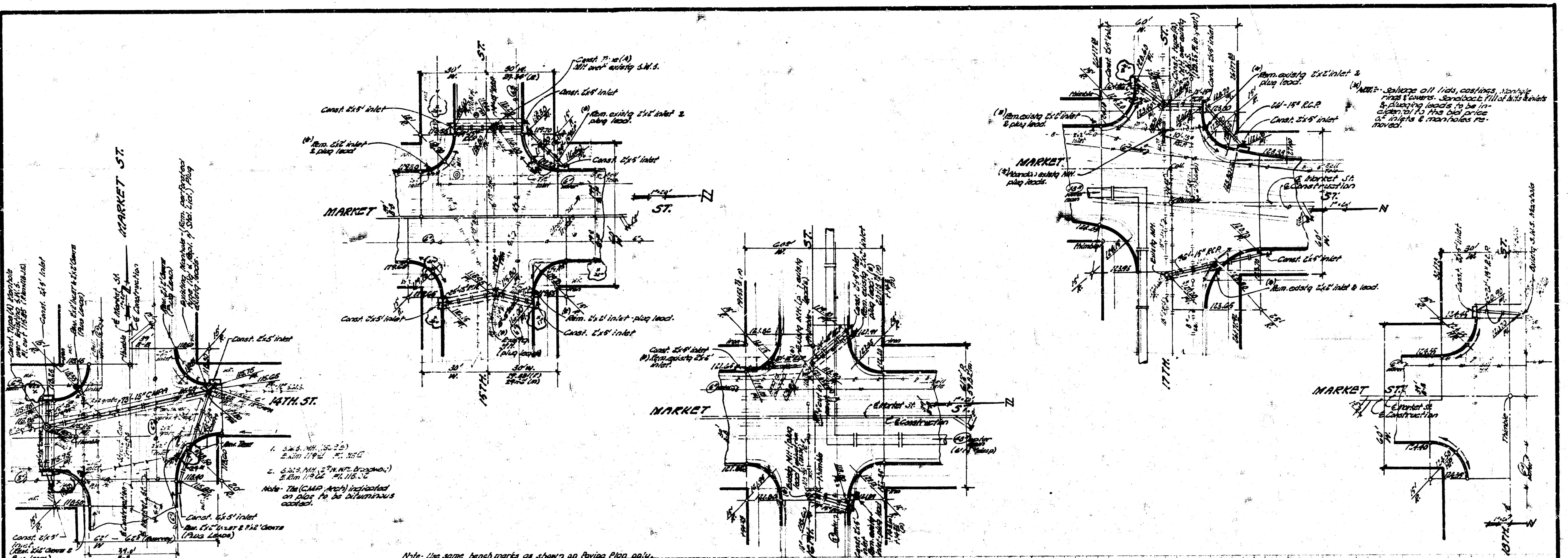
④ 14th to 21st = Dbl. track paved 9" of brick, grout filler; 12" conc. base in track, 6" conc. base betwn track. Rails rem. & ties remain, from 14th to 16th. the outside rail space was repaved 9" of sht. asph. on asph. binder; all other spaces repaved 9" brick.

"RAILROAD HEADER" DETAIL

(a) wooden ties remain in place.

"TYPICAL SECTION THRU STREET CAR TRACKS"
(Section based on Existing Pavement Records)

7/12



1. S.W.S. MH. E.Rim 119.— Fl. 115.—

2. S.W.S. MH. (2nd W. WFL Broadway) E.Rim 119.66 Fl. 115.06

Note- The (C.M.P. Arch) indicated on plan to be bituminous coated.

(*) NOTE:- Salvage all lids, castings, manhole rings & covers. Sandback fill of pits & inlets & plugging leads to be incidental to the bid price of inlets & manholes removed.

Note- Use same bench marks as shown on Paving Plan only.

Survey D. Kruo 35-41
Plan S.G. Sell
Ex.
Checked

"Incidental Drainage" in connection with
MARKET STREET - 13th. to 18th.
City of Wichita, Kansas
R. W. Linn City Engineer
Date: Proj. No. DAKD570050