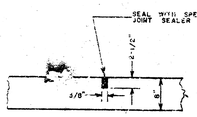
TWENTY-NINTH STREET NORTH

WL. ARKANSAS AVENUE TO WL. BROADWAY AVENUE

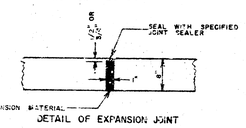
PROJ. NO. DAKM 56:05
CITY OF WICHITA, KANSAS
R. W. LINN, CITY ENGINEER

SAWED CONTRACTION JOINTS ARE TO BE CONSTRUCTED AT 30' 0" INTERVALS EXCEPT WHERE AN EXPANSION JOINT IS USED.

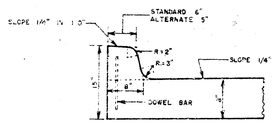


DETAIL OF SAWED CONTRACTION AND LONGITUDINAL JOINTS

EXPANSION JOINTS ARE TO BE CONSTRUCTED AT MAXIMUM INTERVALS OF 120' 0".

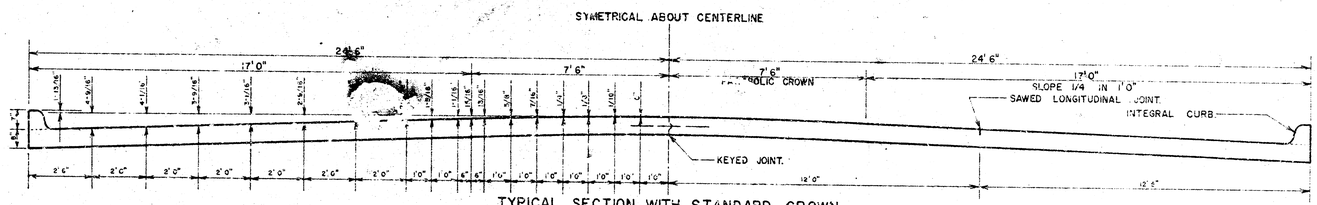


DETAIL OF EXPANSION JOINT

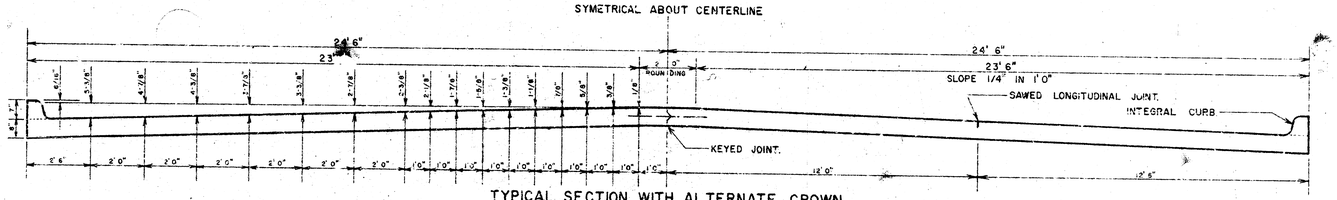


DETAIL OF INTEGRAL CURB

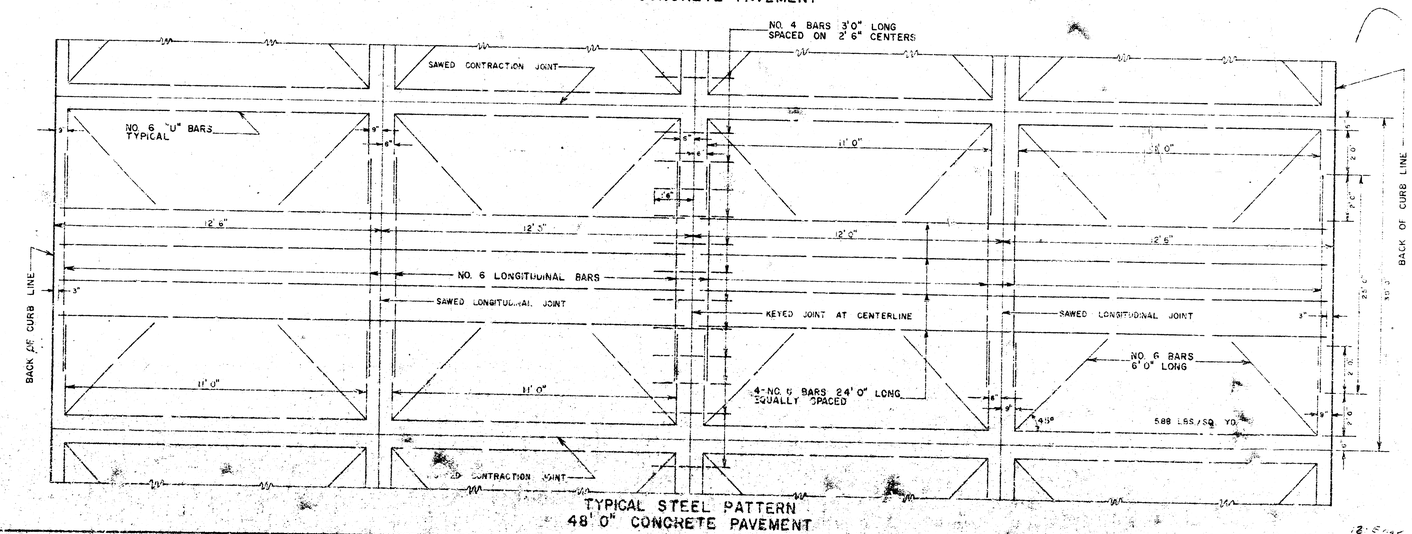
INTEGRAL CURB SHALL BE CUT THROUGH TO THE PAVEMENT IN UNIFORM LENGTHS OF NOT MORE THAN TEN FOOT INTERVALS BETWEEN EXPANSION JOINTS. EXPANSION JOINTS HAVING THE SAME THICKNESS AS THE EXPANSION JOINTS IN THE PAVEMENT SHALL BE CONSTRUCTED IN THE INTEGRAL CURB AT THE SPECIFIED LOCATIONS. NUMBER 4 OR NUMBER 5 DOWELS SHALL BE INSTALLED IN THE INTEGRAL CURB AS SHOWN ON APPROXIMATELY 2' 6" CENTERS. PAVEMENT GRADES SHOWN ON PLANS ARE FOR STANDARD CROWN.



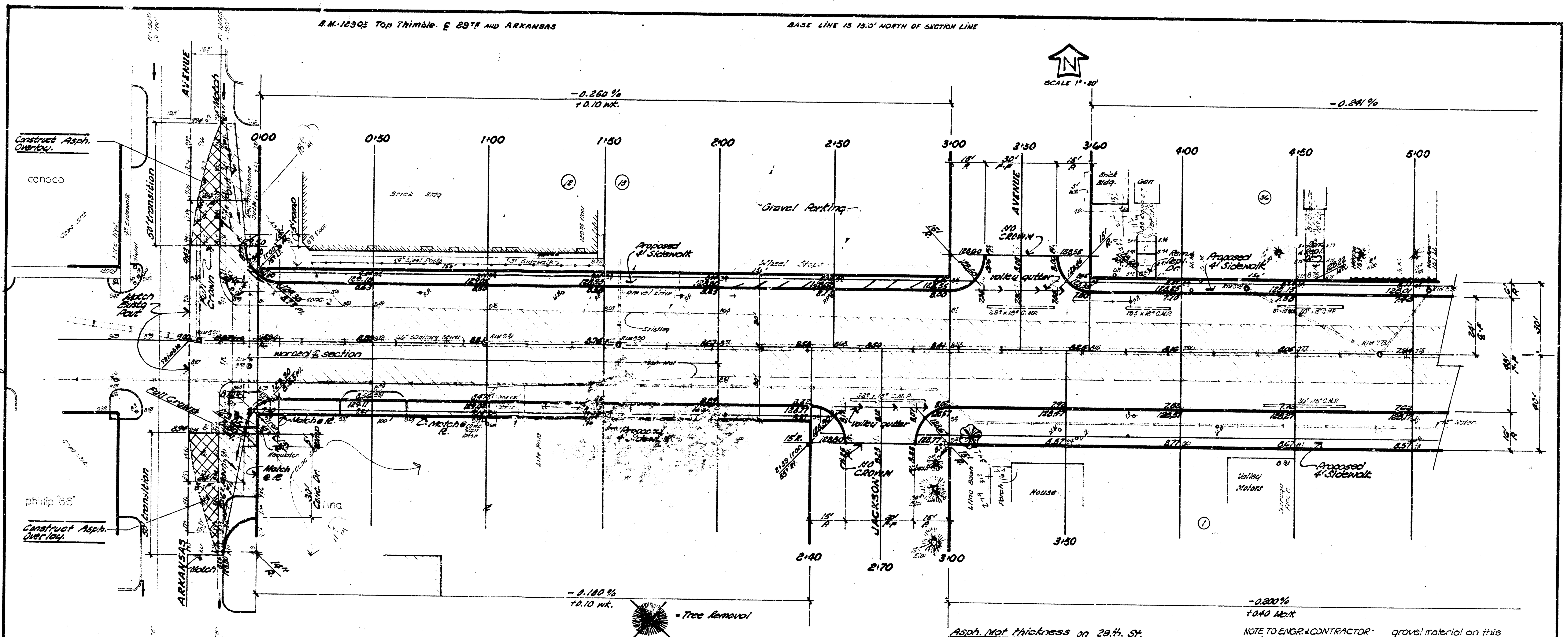
TYPICAL SECTION WITH STANDARD CROWN
48' 0" CONCRETE PAVEMENT



TYPICAL SECTION WITH ALTERNATE CROWN
48' 0" CONCRETE PAVEMENT



TYPICAL STEEL PATTERN
48' 0" CONCRETE PAVEMENT



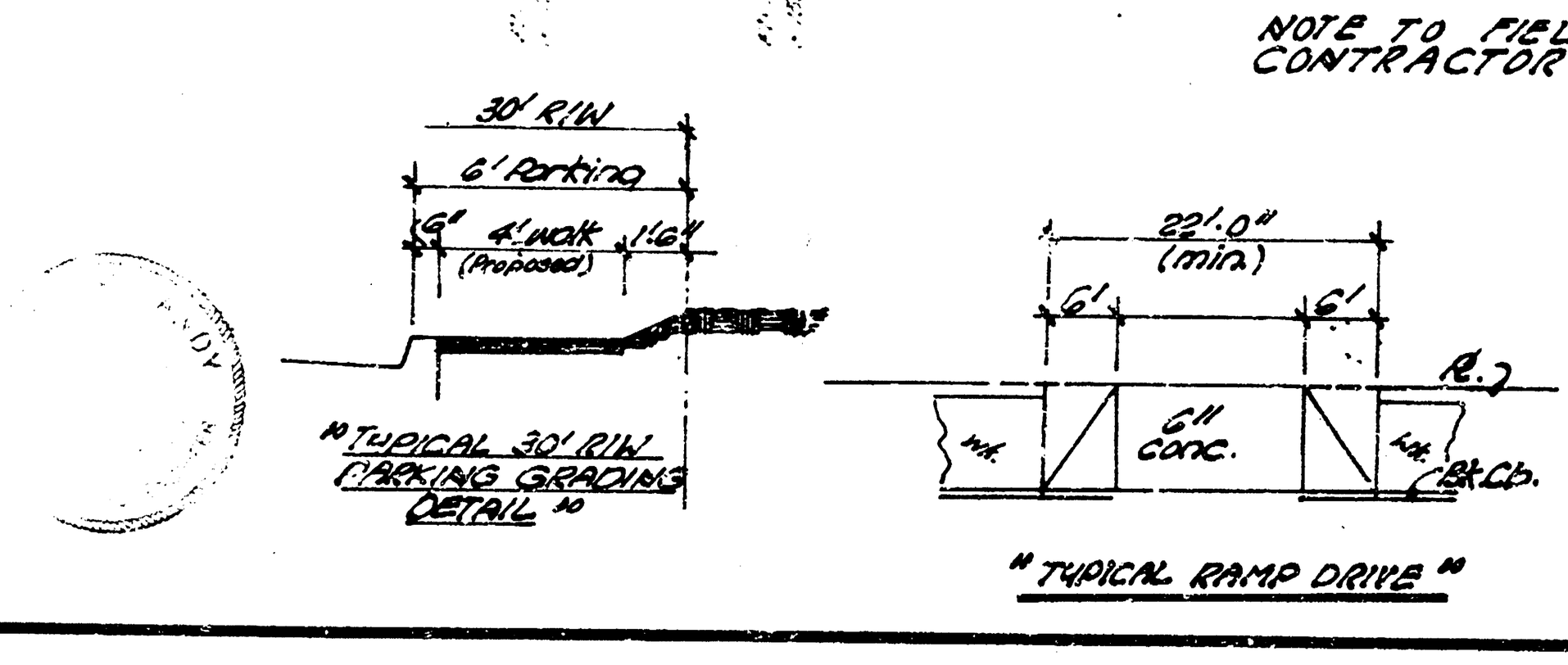
Asph. Mat thickness on 29th. St.

1. Sta. 0+00 to 6+35± = (7½")
2. " 7+67± to 24+97± = (1½" avg.)

Rolled Clay sub-grade, condition & material unknown. (See Gen. Notes)

NOTE TO ENGR. & CONTRACTOR - gravel material on this project to be used to fill side streets where new pavt. will be above existg graveled street. This work to be considered a part of parking grading.

NOTE TO FIELD ENGINEER & CONTRACTOR - Grade parkings & clear R/W for proposed sidewalk. Compact fill in sidewalk area. TO BE CONSTRUCTED BY "OTHERS"



Engineer to check elev's of existg drs. to determine necessary amount of removal behind prop. line. match all existg drs. as possible.

Note - All dr. construction back of R. to be (6") thickness.

"General Notes"

1. Existg sub-grade mat'l to remain in place where grade allows. (City Mat'l lab. to determine quality of existg sub-grade.)
2. Contractor to use "caution" when working over shallow drainage mains, leads & utilities. Contractor to adjust manholes to grade.
3. No drive to be constructed on this proj. less than (10') in width.
4. Contractor to have full responsibility for the amount of excavated material needed to complete any or all backfills or Comp. backfills before removing material from proj. site.

"EARTHWORK QUANTITIES"

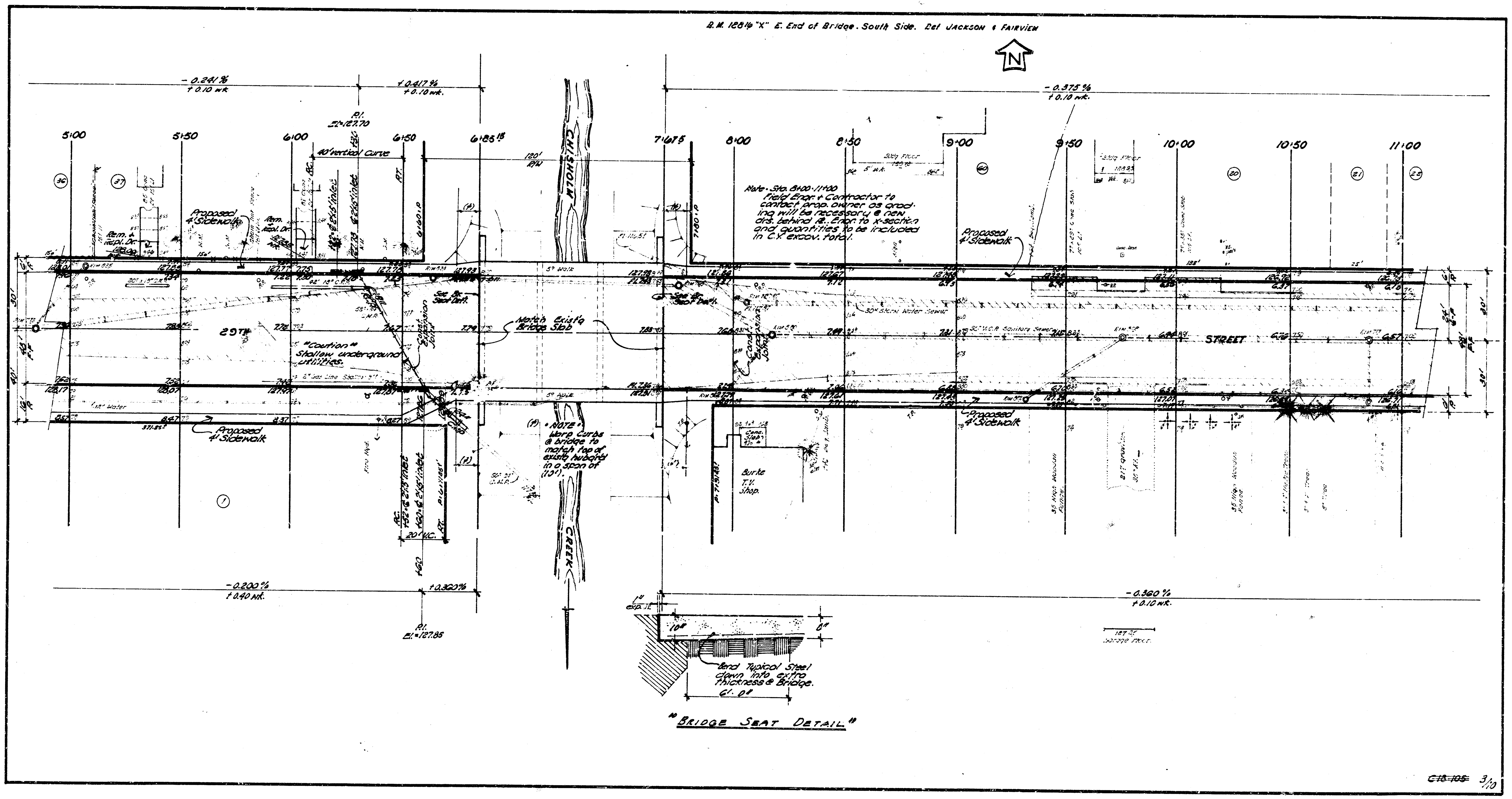
	Excavation	Comp. Fill
	3777⅔ C.Y.	56.6 C.Y.
+10%	377⅞ "	5.7 "
	4155⅔ C.Y.	62⅔ C.Y.

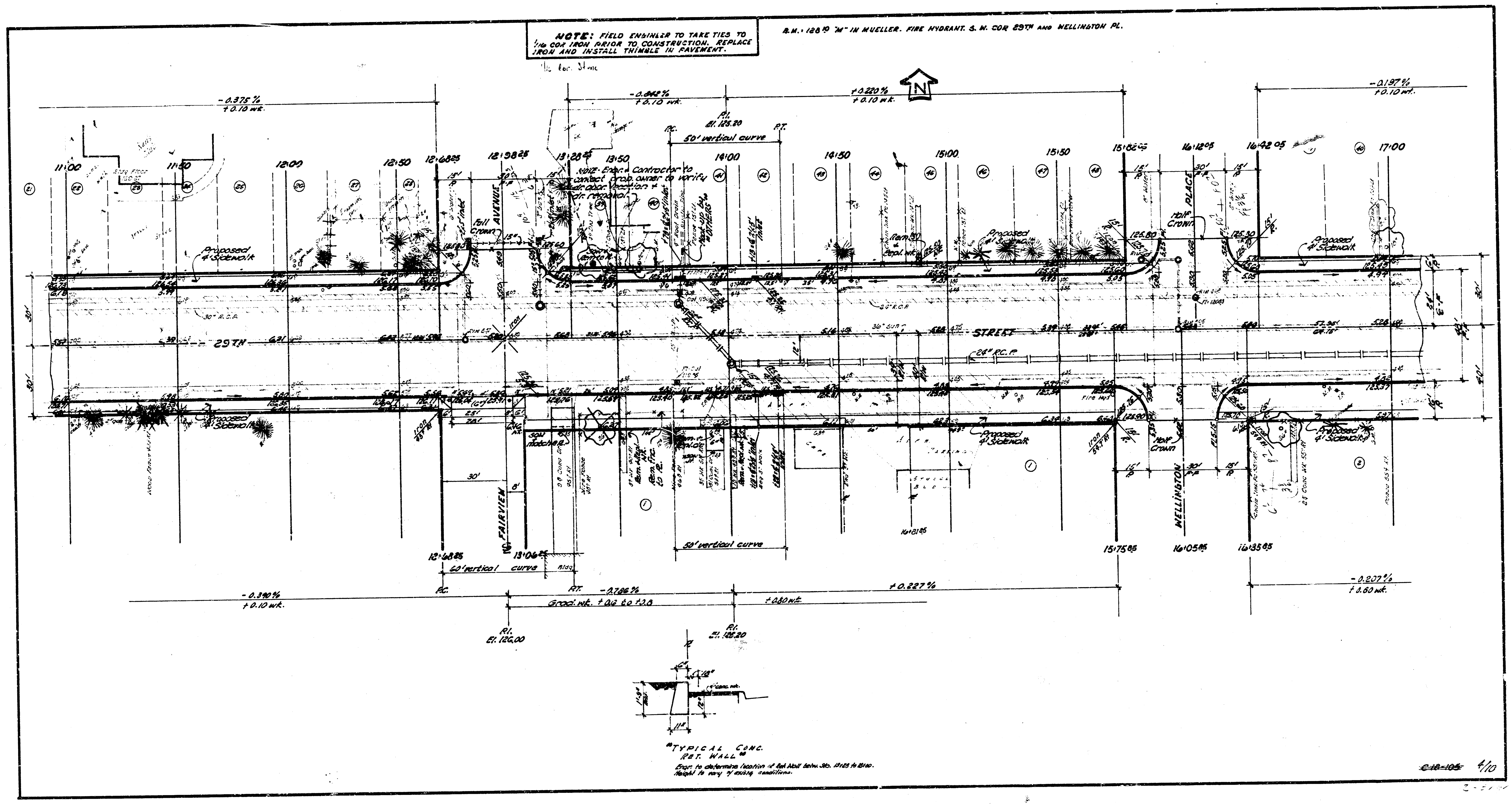
"Use Cement Treated sub-grade"

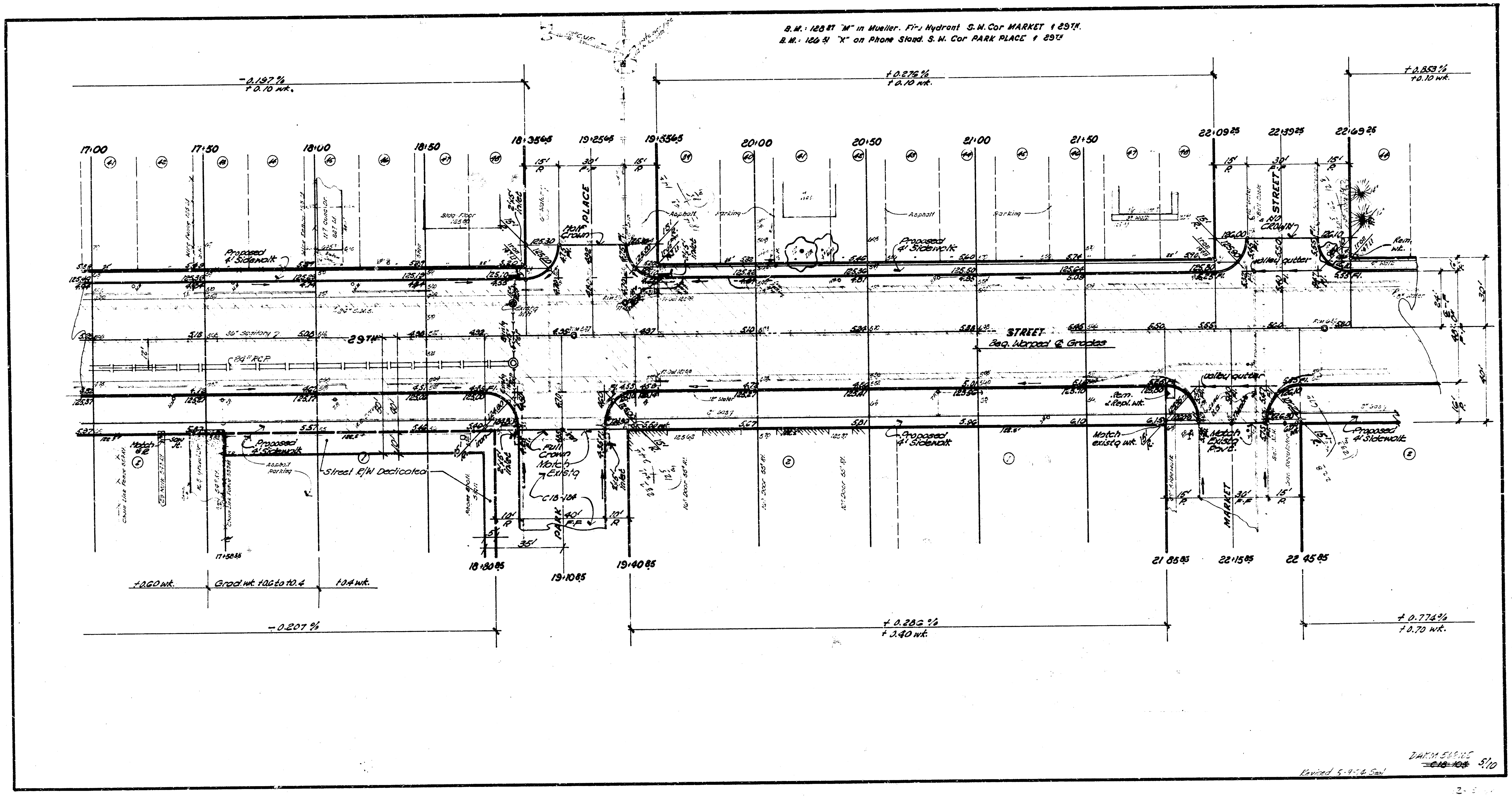
29TH STREET NORTH.
W.L. ARKANSAS AVE To W.L. BROADWAY AVE.

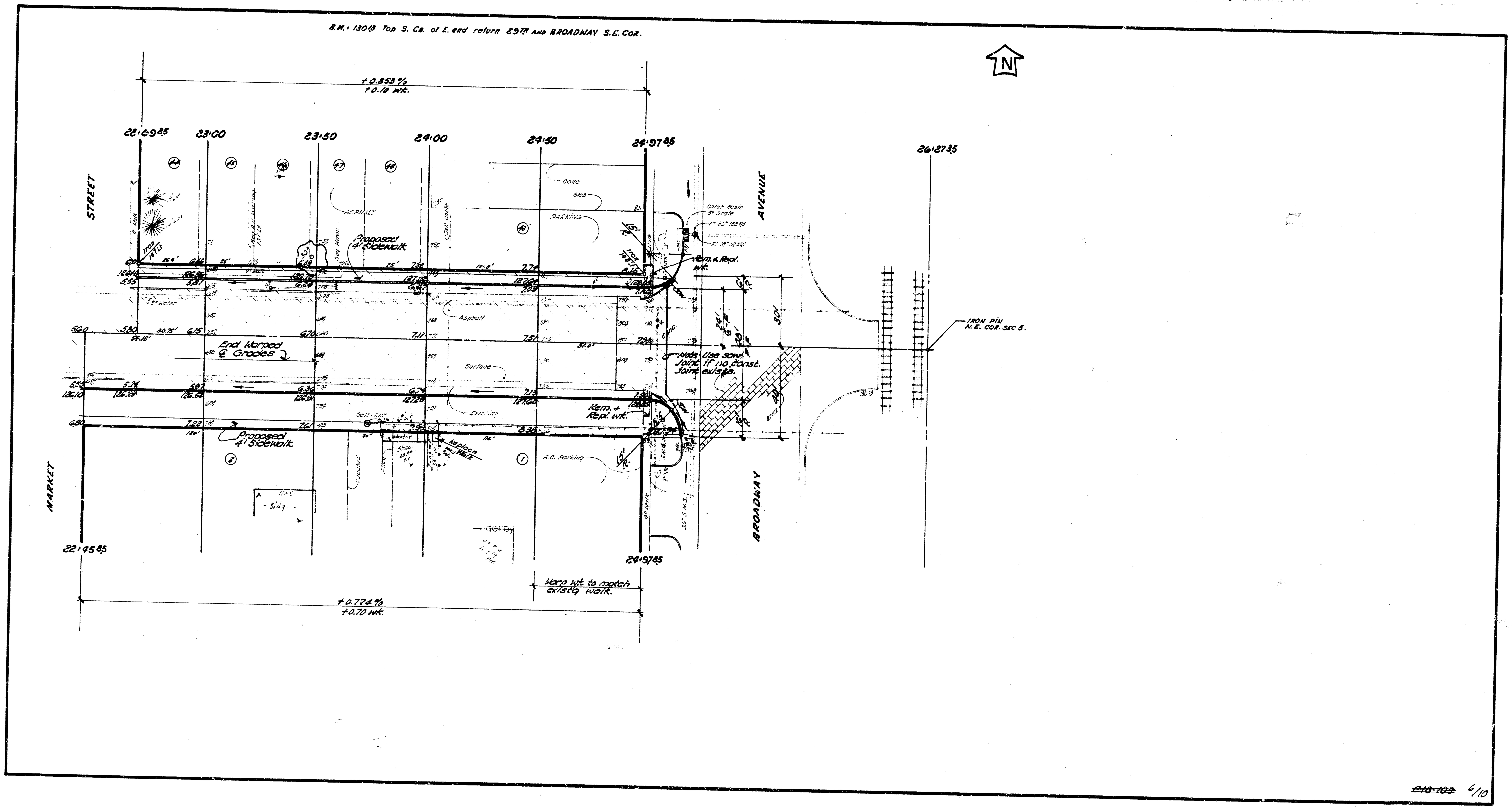
8" CONC · 48' & CURB.

CITY OF WICHITA, KANSAS
R.W. Linn CITY ENGINEER.
DATE ~~DEC 1970~~ April 1974 PROJ. No. ~~618-108~~ DAKM 563105
2/10

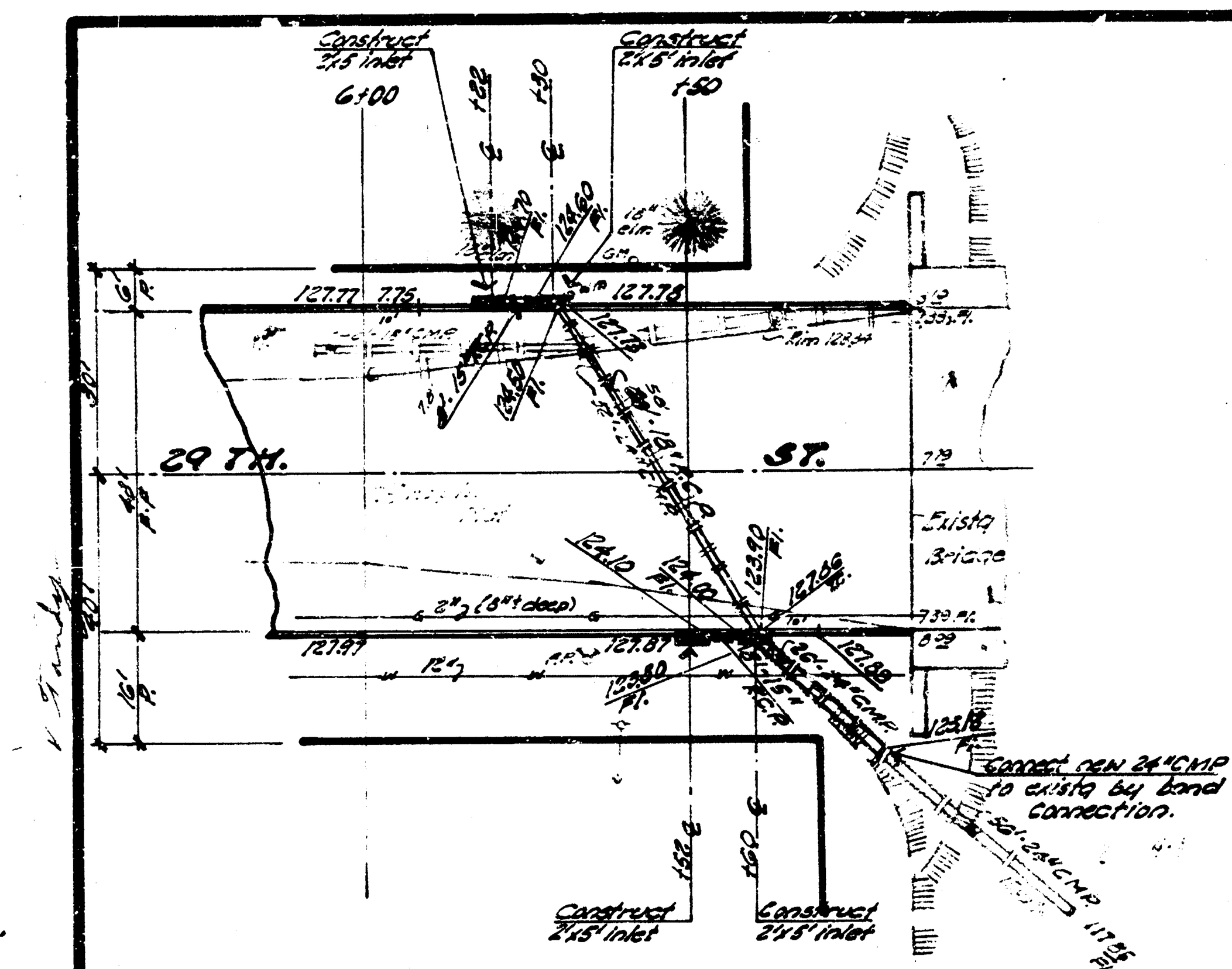

B.M. 128.16 "X" E. End of Bridge. South Side. Bet JACKSON & FAIRVIEW
N
- 0.241 %
+ 0.10 wk.
+ 0.417 %
+ 0.10 wk.
P.I.
El.=127.70
- 0.375 %
+ 0.10 wk.
5+00
5+50
6+00
6+50
6+85.18
7+67.5
8+00
8+50
9+00
9+50
10+00
10+50
11+00
40' vertical Curve
120' R/W
CHISHOLM
CREEK
Proposed 4' Sidewalk
Rem. & Repl. Dr.
Note - Sta. 8+00 - 11+00
Field Engr. & Contractor to contact prop. owner as grading will be necessary & new drs. behind R. Engr. to x-section and quantities to be included in C.Y. excav. total.
29TH
STREET
"Caution"
Shallow underground utilities.
Match Exist'g Bridge Slab
Const. Expansion Joint
5' Walk
30" Storm Water Sewer
12" Water
* NOTE *
Warp Curbs @ bridge to match top of exist'g hubgrd in a span of (13').
Burke T.V. Shop.
- 0.200 %
+ 0.40 wk.
+ 0.360 %
P.I.
El.=127.85
- 0.360 %
+ 0.10 wk.
1" exp. jt.
10"
6"
Bend Typical Steel down into extra thickness @ Bridge.
6'-0"
"BRIDGE SEAT DETAIL"
C18-105 3/10

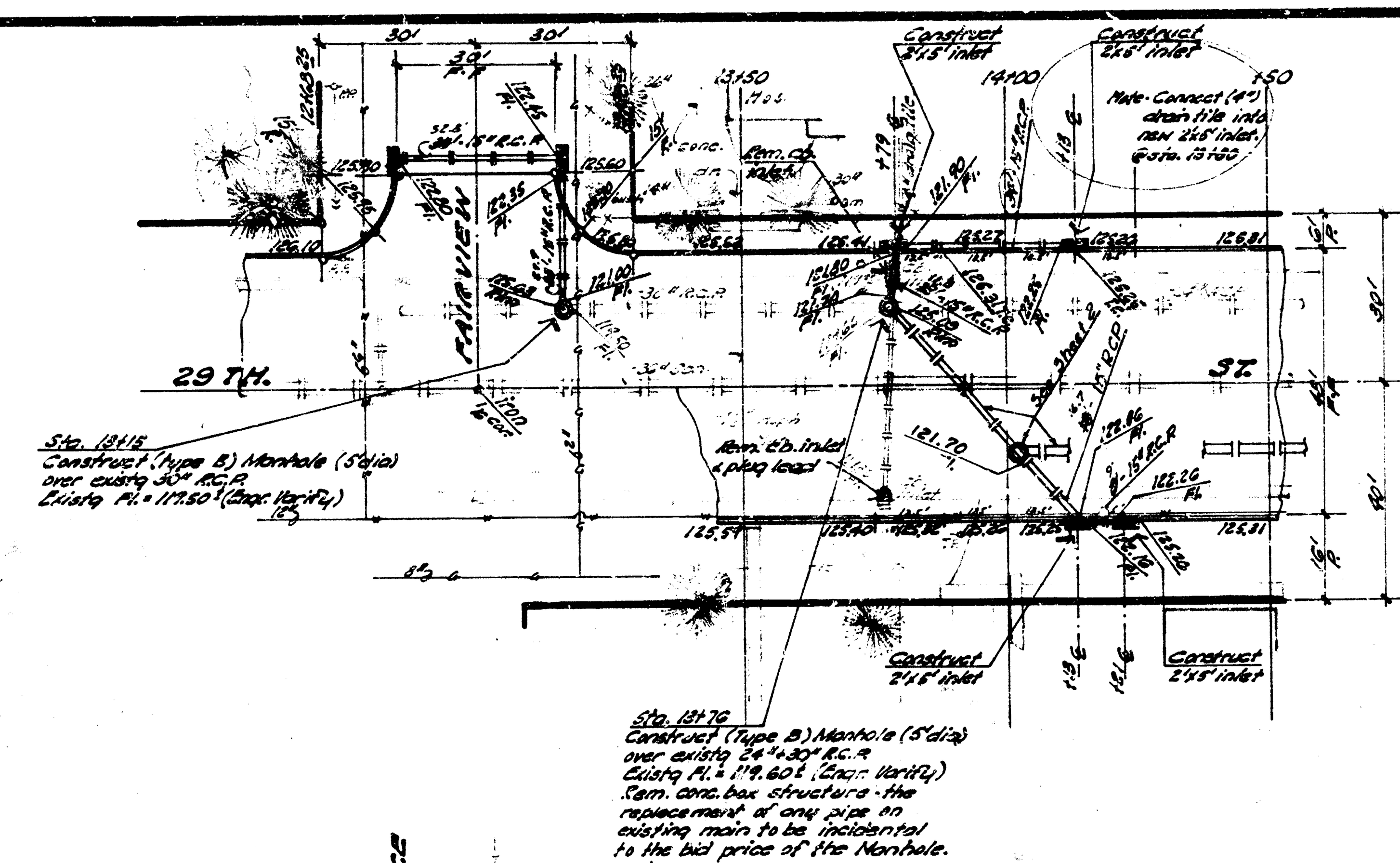

NOTE: FIELD ENGINEER TO TAKE TIES TO 1/16 COR IRON PRIOR TO CONSTRUCTION. REPLACE IRON AND INSTALL THIMBLE IN PAVEMENT.
B.M.: 128.10 "M" IN MUELLER. FIRE HYDRANT. S. W. COR 29TH AND WELLINGTON PL.
N
50' vertical curve
29TH
STREET
AVENUE
FAIRVIEW
PLACE
WELLINGTON
Proposed 4' Sidewalk
+0.227%
-0.207%
+0.60 wk.
15+75.85
16+05.85
16+35.85
"TYPICAL CONC. RET. WALL"
Engr. to determine location of Ret. Wall betw. Sta. 13+25 to 13+50.
Height to vary w/ existing conditions.
4/10

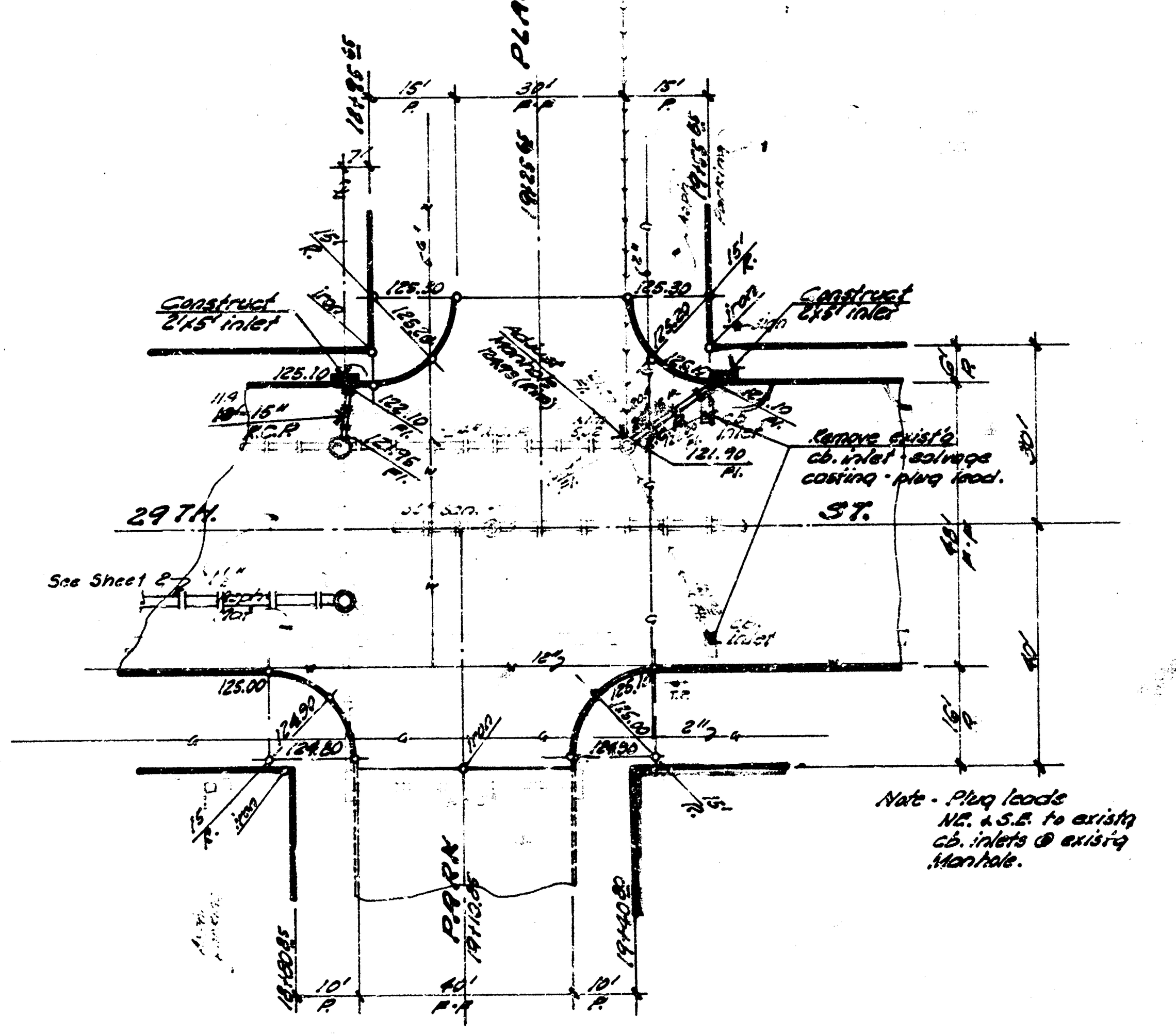

B.M.: 128.87 "M" in Mueller. Fire Hydrant S.W. Cor MARKET & 29TH.
B.M.: 126.51 "X" on Phone Stand. S.W. Cor PARK PLACE & 29TH
-0.197 %
+0.10 wk.
+0.276 %
+0.10 wk.
+0.853 %
+0.10 wk.
17+00
17+50
18+00
18+50
18+35.65
19+25.65
19+55.65
20+00
20+50
21+00
21+50
22+09.25
22+39.25
22+69.25
PLACE
STREET
29TH
STREET
Reg. Warped & Grades
Proposed 4' Sidewalk
Half Crown
Asphalt
Parking
Full Crown
Match Existg.
Street R/W Dedicated
C18-104
PARK
MARKET
Match existg wk.
Match Existg Pvd.
Rem. & Repl. wk.
rolled gutter
18+80.85
19+10.85
19+40.85
21+85.85
22+15.85
22+45.85
+0.20 wk.
Grad. wk. +0.0 to +0.4
+0.4 wk.
-0.207 %
+0.282 %
+0.40 wk.
+0.774 %
+0.70 wk.
Revised 5-9-74 Seal
DAKM 56810S
C18-104
5/10


B.M.: 13013 Top S. Ca. of E. end return 29TH AND BROADWAY S.E. COR.
N
+0.853%
+0.10 wk.
22+69 25
23+00
23+50
24+00
24+50
24+97 85
26+27 35
STREET
AVENUE
MARKET
BROADWAY
Proposed 4' Sidewalk
Asphalt
Conc
Slab
Parking
Catch Basin
Rem. & Repl. wk.
End Warped & Grades
Surface
Existing
Note: Use saw joint if no const. joint exists.
Rem. + Repl. wk.
Replace Walk
A.C. Parking
Brick
IRON PIN N.E. COR. SEC 5.
22+45 85
24+97 85
Warp wk. to match existg walk.
+0.774%
+0.70 wk.

C18-103 6/10







B.M. 128.16 "X" E. end of bridge - South side - betw. Jackson & Fairview.

B.M. 128.10 "M" in Mueller - Fire Hyd. - S.W. Cor. 29th. & Wellington Pl.

B.M. 126.51 "X" on phone stand - S.W. Cor. Park Pl. & 29th.

"General Notes"

1. Sandfill & Flush all Leads
2. Salvage cb. inlet castings
3. plug all abandoned leads
4. Use Caution crossing shallow utilities.
5. Exist'g pavt. consists of variable thickness asph. mat w/ clay sub-grade.
6. Engr. to verify all exist'g Fl. lines prior to const.

"INCIDENTAL DRAINAGE"
in connection with 29TH. STREET - Arkansas to Broadway

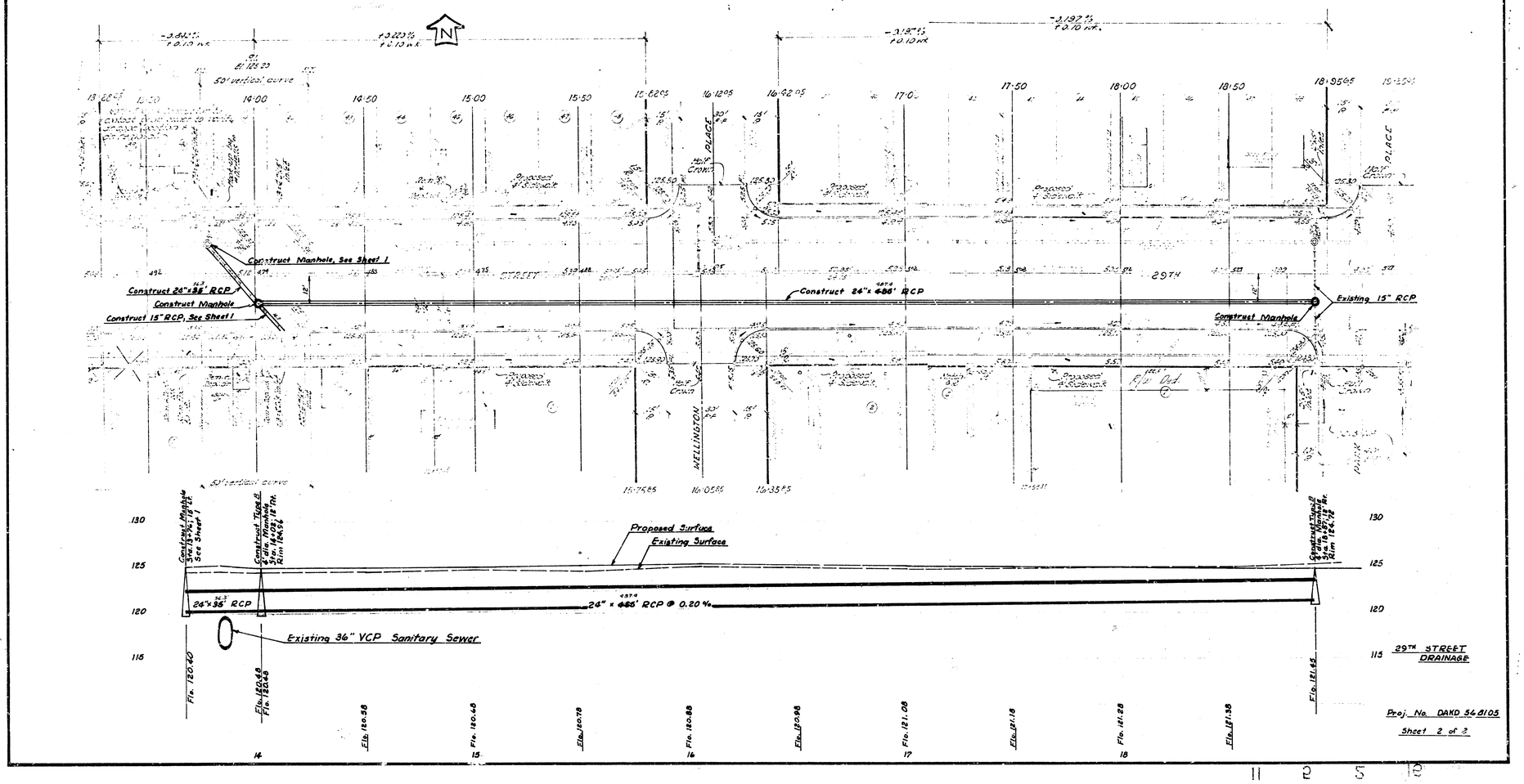
City of Wichita, Kansas

R. W. Linn — City Engineer

Date: April 1974 — Proj. No. DAKD568105

Sheet 1 of 2

11 2 5 (16) 12-Engr



29TH STREET DRAINAGE

Proj. No. DAKD 56 0105

Sheet 2 of 3