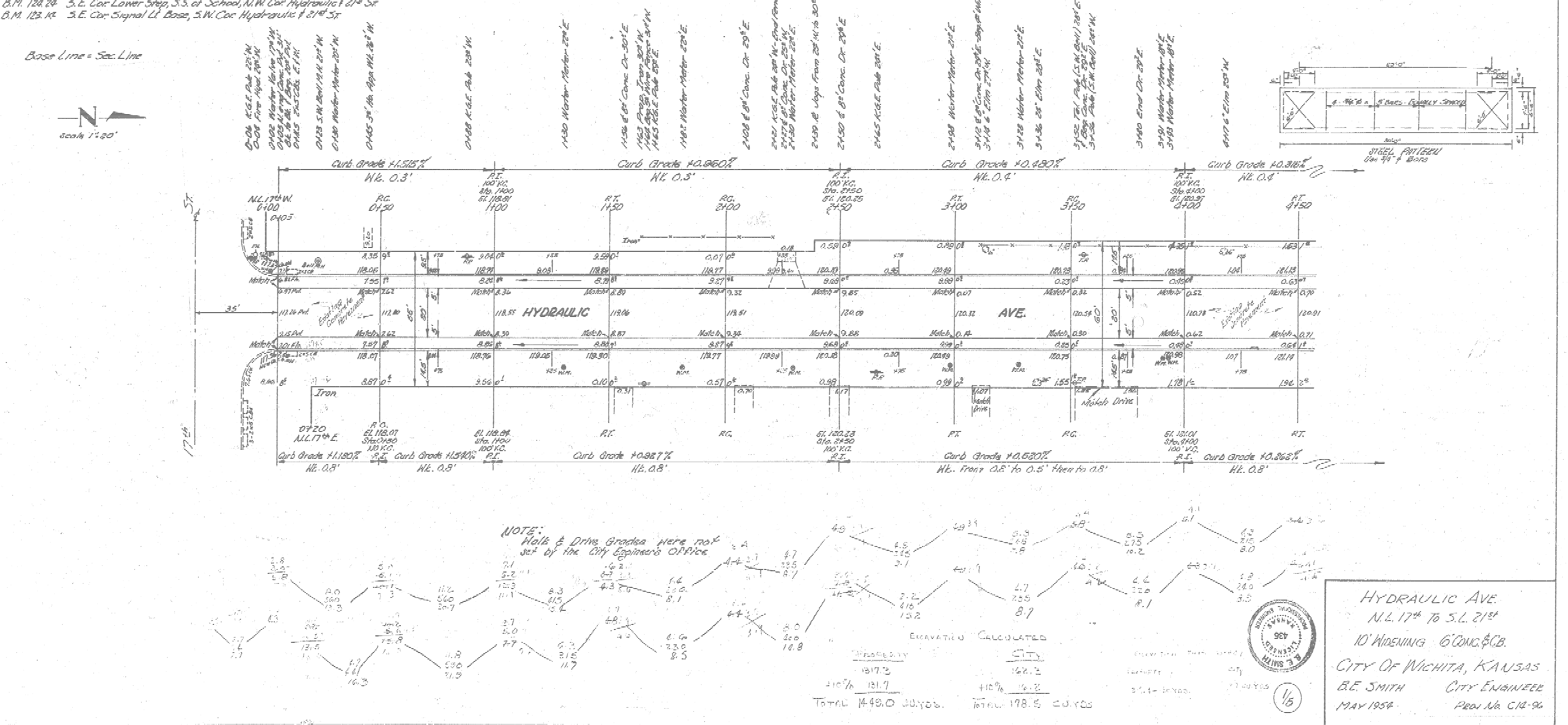
Survey C.N.M.
Plan C.N.M.
Est. B.J.C.
Checked

B.M. 117.25 Standard N.E. Cor. Hydraulic & 17th St.
B.M. 121.48 S.W. Edge Thim. & Hydraulic & @ 18th St. E.
B.M. 120.23 S.W. Edge Thim. & Hydraulic & @ 19th St. E.
B.M. 119.95 S.W. Edge Thim. & Hydraulic & @ 20th St. E.
B.M. 124.24 S.E. Cor. Lower Step, S.S. of School, N.W. Cor. Hydraulic & 21st St.
B.M. 123.14 S.E. Cor. Signal Lt. Base, S.W. Cor. Hydraulic & 21st St.

Base Line = Sec. Line


N
Scale 1"=20'
Curb Grade +1.515%
Wk. 0.3'
Curb Grade +0.960%
Wk. 0.5'
Curb Grade +0.480%
Wk. 0.4'
Curb Grade +0.316%
Wk. 0.4'
HYDRAULIC
AVE.
17th St.
35'
Iron
0+20 N.L. 17th E.
Curb Grade +1.180%
Wk. 0.8'
Curb Grade +1.540%
Wk. 0.8'
Curb Grade +0.927%
Wk. 0.8'
Curb Grade +0.620%
Wk. From 0.8' to 0.5' then to 0.8'
Curb Grade +0.868%
Wk. 0.8'
Steel Pattern
Match
Existing Concrete Pavement

NOTE:
Walk & Drive Grades were not set by the City Engineer's Office

Excavation Calculated

Property	City
1317.3	162.3
+10% 131.7	+10% 16.2
Total 1449.0 Cu.Yds.	Total 178.5 Cu.Yds.

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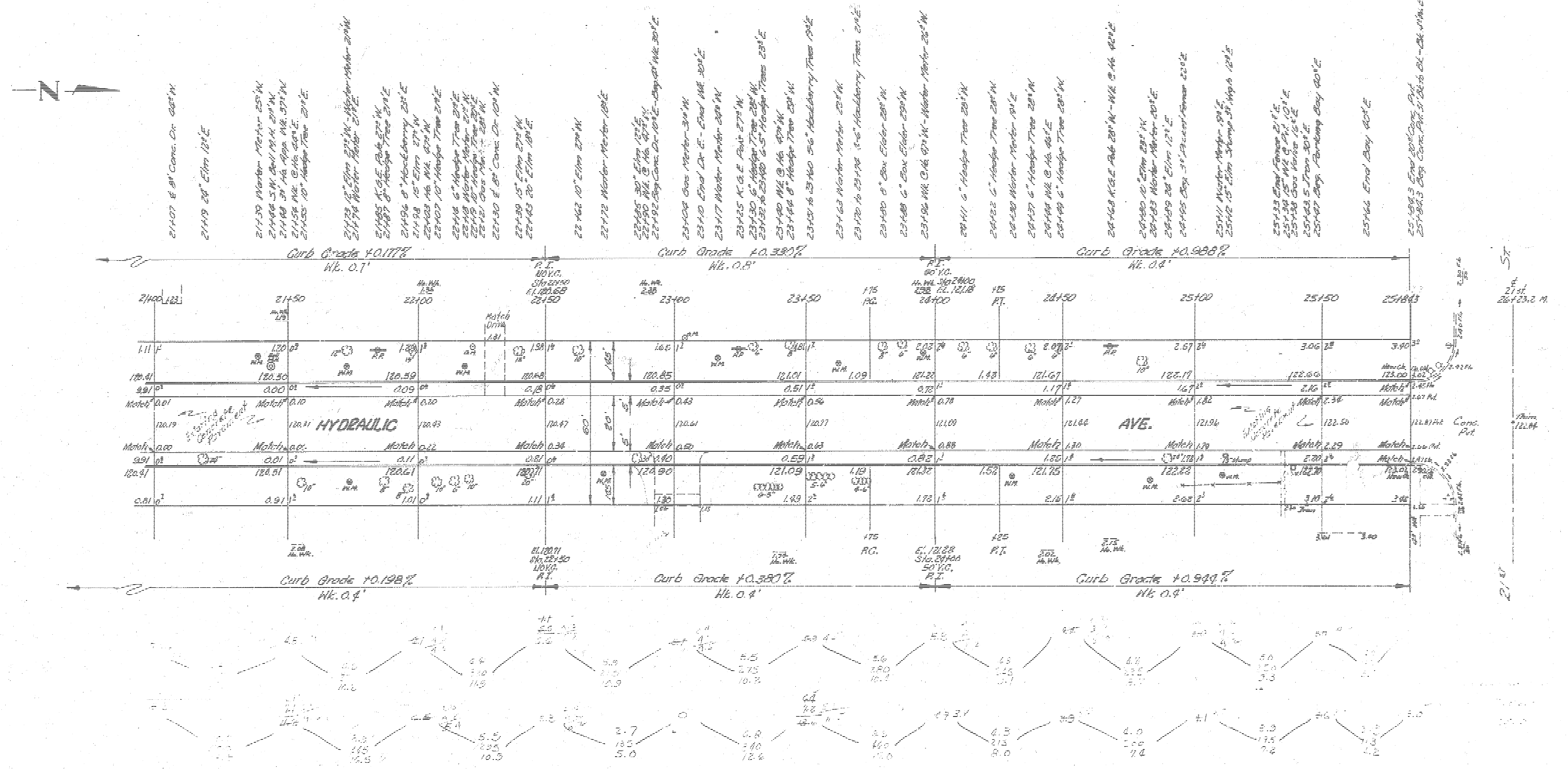
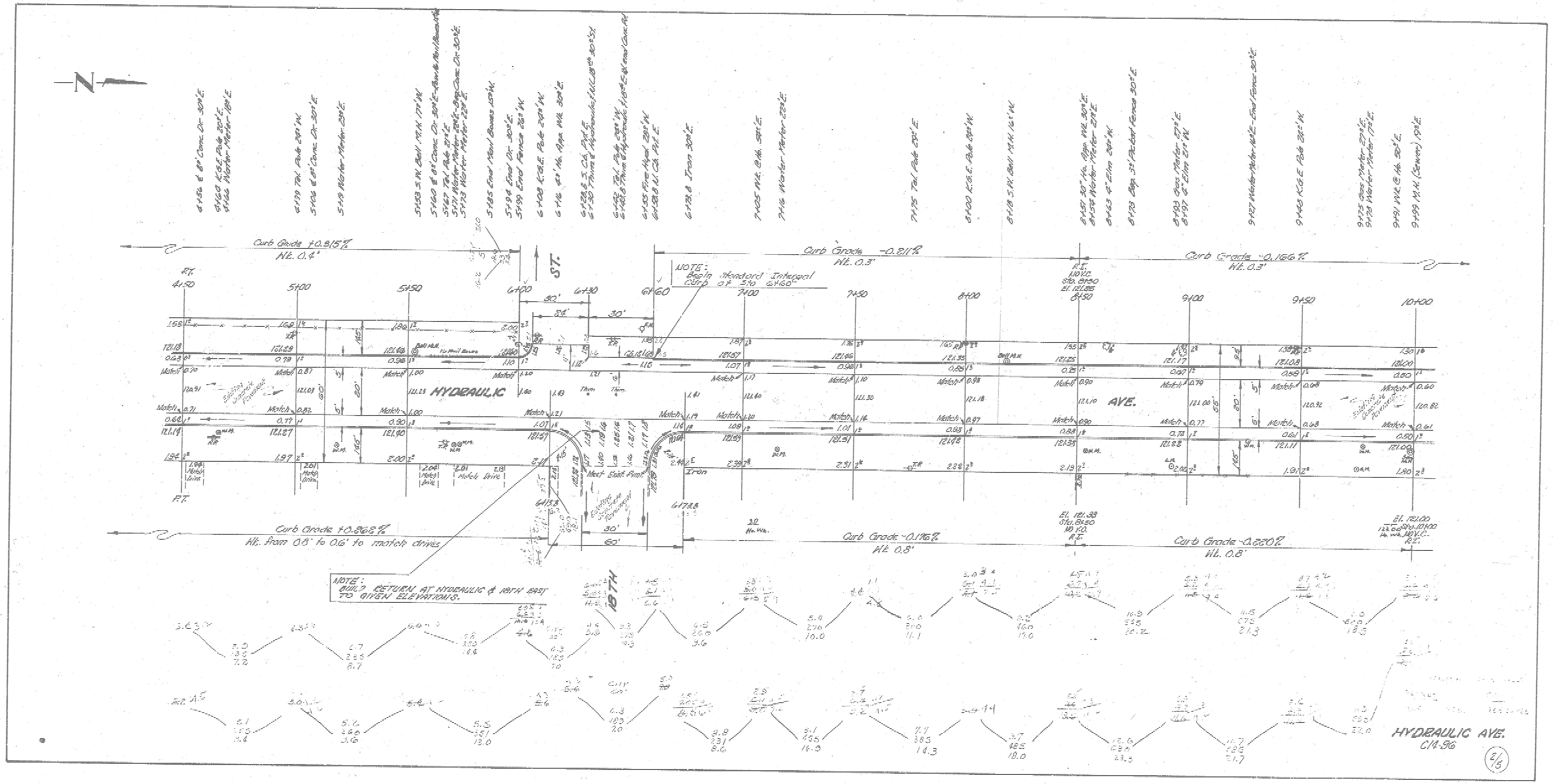
Hydraulic Ave.
N.L. 17th To S.L. 21st
10' Widening 6" Conc. C.&G.
City Of Wichita, Kansas
B.E. Smith City Engineer
May 1954 Proj. No. C14-96


N
Curb Grade +0.177%
Wk. 0.1'
Curb Grade +0.330%
Wk. 0.8'
Curb Grade +0.988%
Wk. 0.4'
21+00
21+50
22+00
22+50
23+00
23+50
24+00
24+50
25+00
25+50
25+18.63
P.I.
100 V.C.
P.I.
50 V.C.
P.C.
P.T.
Match
HYDRAULIC
AVE.
Curb Grade +0.198%
Wk. 0.4'
Curb Grade +0.380%
Wk. 0.4'
Curb Grade +0.949%
Wk. 0.4'

HYDRAULIC AVE.
C1496
⑤/⑤


N
Curb Grade +0.315%
Ht. 0.4'
Curb Grade -0.211%
Ht. 0.3'
Curb Grade -0.166%
Ht. 0.3'
NOTE:
Begin Standard Integral
Curb at Sta 6+60
P.T.
4+50
5+00
5+50
6+00
6+30
6+60
7+00
7+50
8+00
8+50
9+00
9+50
10+00
30'
24'
30'
ST.
HYDRAULIC
AVE.
18TH
Match
Iron
Curb Grade +0.868%
Ht. from 0.8' to 0.6' to match drives
Curb Grade -0.176%
Ht. 0.8'
Curb Grade -0.220%
Ht. 0.8'
30'
60'
NOTE:
BUILD RETURN AT HYDRAULIC & 18TH EAST
TO GIVEN ELEVATIONS.

HYDRAULIC AVE.
C14-96

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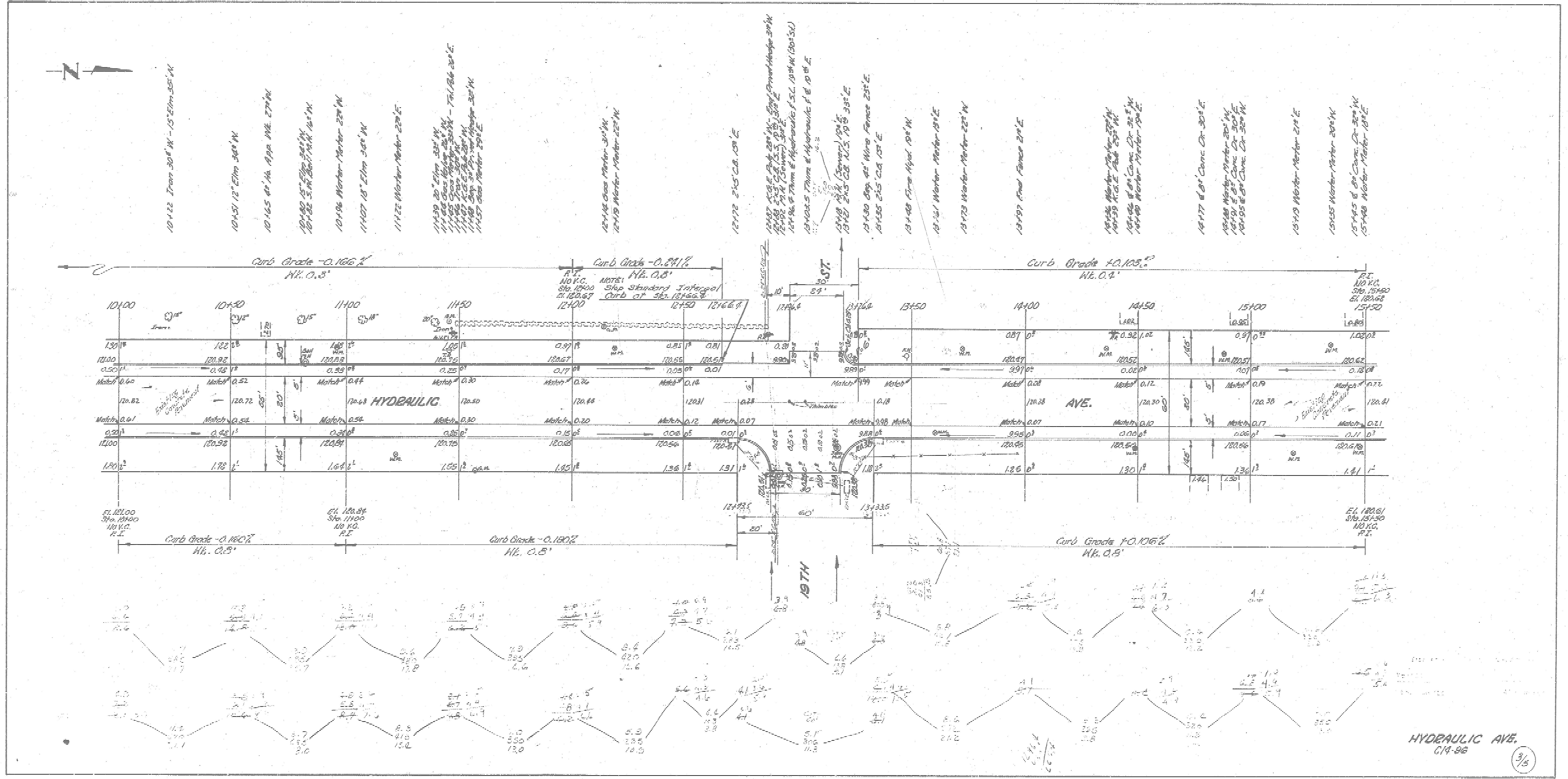

N
10+22 Iron 30" W - 15" Elm 35' W
10+51 12" Elm 36' W
10+65 4' Ht. App. Wk. 27' W
10+96 Water Meter 22' W
11+01 18" Elm 34' W
11+22 Water Meter 22' E
12+18 Gas Meter 33' W
12+19 Water Meter 22' W
12+72 2x5 C.B. 19' E
13+48 Fire Hyd. 19' W
13+61 Water Meter 19' E
13+73 Water Meter 22' W
13+97 End Fence 29' E
14+77 6' 8" Conc. Dr. 30' E
15+13 Water Meter 21' E
15+35 Water Meter 30' W
Curb Grade -0.166%
W.L. 0.3'
Curb Grade -0.241%
W.L. 0.8'
P.T.
No V.C.
Sta. 12+00
El. 120.67
NOTE: Ship Standard Integral Curb at Sta. 12+66.4
Curb Grade +0.103%
W.L. 0.4'
P.I.
No V.C.
Sta. 15+50
El. 120.62
10+00
10+50
11+00
11+50
12+00
12+50
12+66.4
12+96.4
13+26.4
13+50
14+00
14+50
15+00
15+50
30'
24'
10'
ST.
HYDRAULIC
AVE.
19TH
Match
El. 121.00
Sta. 10+00
No V.C.
P.I.
El. 120.84
Sta. 11+00
No V.C.
P.I.
Curb Grade -0.160%
W.L. 0.3'
Curb Grade -0.190%
W.L. 0.8'
Curb Grade +0.106%
W.L. 0.3'
El. 120.61
Sta. 15+50
No V.C.
P.I.
60'
20'

HYDRAULIC AVE.
C14-96

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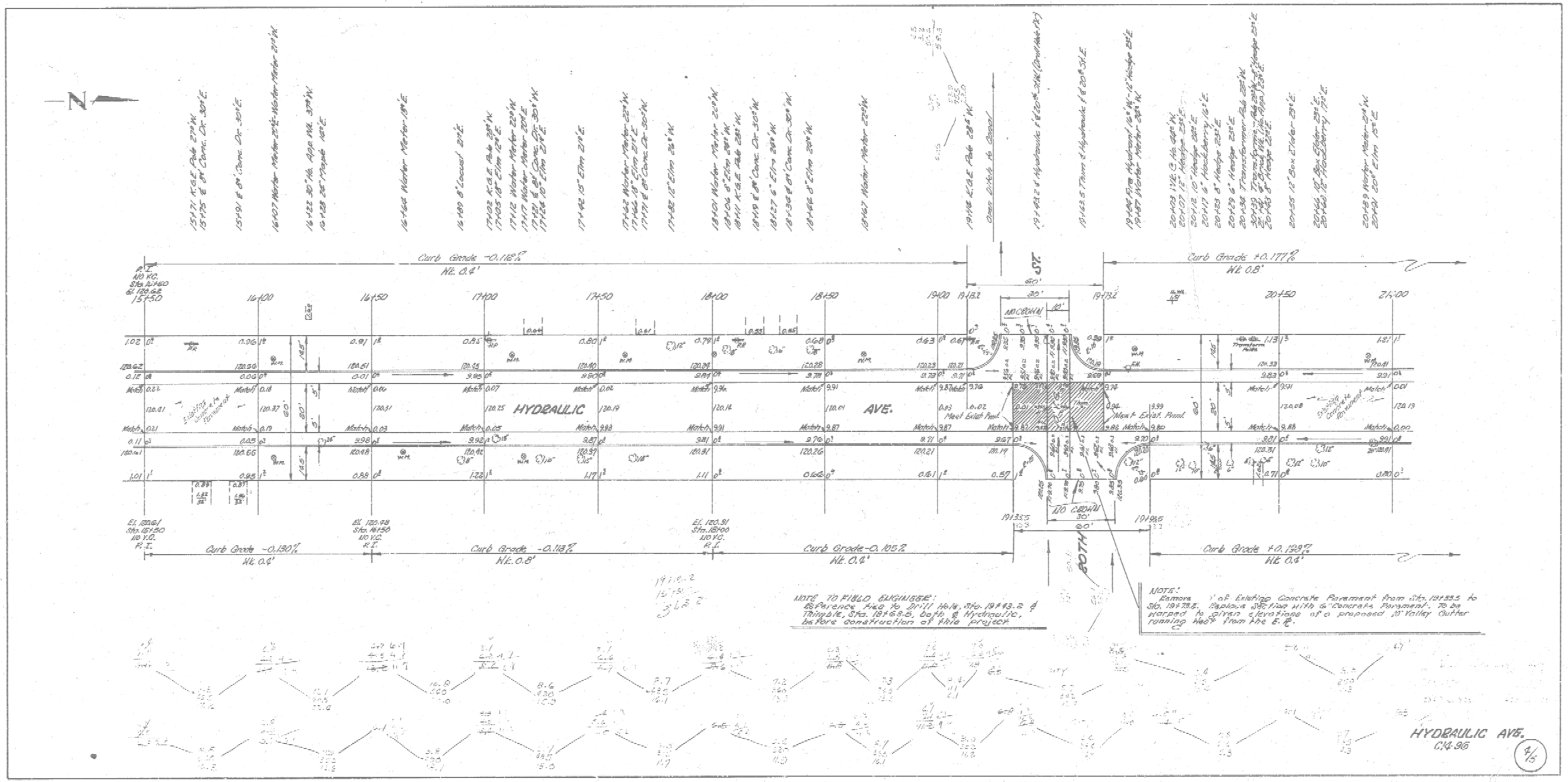
N
15+71 K.G.E. Pole 27' W.
15+75 ℄ 8" Conc. Dr. 30' E.
15+91 ℄ 8" Conc. Dr. 30' E.
16+07 Water Meter 20' E. - Water Meter 21' W.
16+22 30" Ho. App. Wk. 37' W.
16+28 26" Maple 16' E.
16+64 Water Meter 18' E.
16+89 8" Locust 21' E.
17+02 K.G.E. Pole 28' W.
17+05 18" Elm 12' E.
17+12 Water Meter 22' W.
17+17 Water Meter 20' E.
17+21 ℄ 8" Conc. Dr. 30' W.
17+26 10" Elm 21' E.
17+42 15" Elm 21' E.
17+62 Water Meter 22' W.
17+66 18" Elm 21' E.
17+71 ℄ 8" Conc. Dr. 30' W.
17+82 12" Elm 26' W.
18+01 Water Meter 22' W.
18+06 8" Elm 28' W.
18+11 K.G.E. Pole 28' W.
18+19 ℄ 8" Conc. Dr. 30' W.
18+27 6" Elm 26' W.
18+34 ℄ 8" Conc. Dr. 30' W.
18+64 8" Elm 28' W.
18+67 Water Meter 22' W.
19+14 K.G.E. Pole 28' W.
Open Ditch to Canal
19+43.2 ℄ Hydraulic & ℄ 20th St. W. (Drill Hole Fd.)
19+63.5 Thim. & Hydraulic ℄ & ℄ 20th St. E.
19+88 Fire Hydrant 16' W. - 12" Hedge 23' E.
19+87 Water Meter 28' W.
20+03 W.L. @ Ho. 48' W.
20+07 12" Hedge 23' E.
20+12 10" Hedge 23' E.
20+17 6" Hackberry 16' E.
20+23 8" Hedge 23' E.
20+29 6" Hedge 23' E.
20+34 Transformer Pole 22' W.
20+39 Transformer Pole 22' W. - 8" Hedge 23' E.
20+41 4" Brick Wk. (Ho. App.) 23' E.
20+43 8" Hedge 23' E.
20+55 12" Box Elder 23' E.
20+66 10" Box Elder 23' E.
20+60 12" Hackberry 17' E.
20+89 Water Meter 21' W.
20+91 20" Elm 15' E.
Curb Grade -0.118%
Ht. 0.4'
Curb Grade +0.177%
Ht. 0.8'
P.I.
110 V.C.
Sta. 16+60
El. 120.62
15+50
16+00
16+50
17+00
17+50
18+00
18+50
19+00
19+18.2
19+73.2
20+50
21+00
20'
60'
30'
10'
14.5'
10 CEDAR
HYDRAULIC
AVE.
20TH
ST.
Match
Meet Exist. Pavmt.
El. 120.61
Sta. 15+50
110 V.C.
P.I.
El. 120.49
Sta. 16+50
110 V.C.
P.I.
El. 120.31
Sta. 18+00
110 V.C.
P.I.
Curb Grade -0.190%
Ht. 0.4'
Curb Grade -0.118%
Ht. 0.8'
Curb Grade -0.105%
Ht. 0.4'
Curb Grade +0.129%
Ht. 0.4'
19+33.5
19+86.5

NOTE TO FIELD ENGINEER:
Reference ties to Drill Hole, Sta. 19+43.2 & Thimble, Sta. 19+63.5, both ℄ Hydraulic, before construction of this project

NOTE:
Remove ½' of Existing Concrete Pavement from Sta. 19+33.5 to Sta. 19+78.5. Replace Section with 6" Concrete Pavement. To be warped to given elevations of a proposed 10' Valley Gutter running West from the E. ℄.

HYDRAULIC AVE.
C14-96

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