REPAVING AND WIDENING PROJECT C15-48

CENTRAL AVENUE FROM BROADVIEW AVE. TO EDGEMOOR DRIVE

CITY OF WICHITA, KANSAS

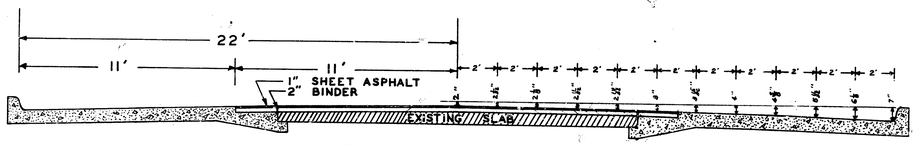
L.K. WHITE CITY ENGINEER

JUNE 1946

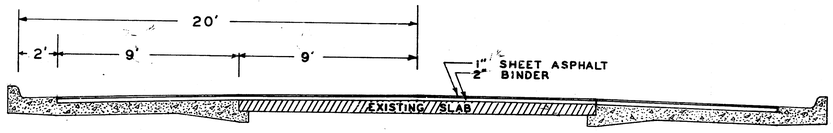
1946

CENTRAL AVENUE

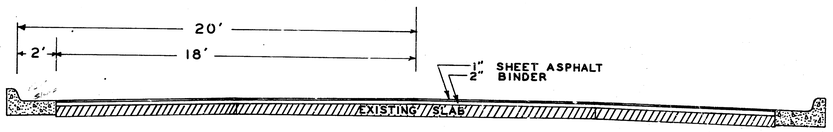
E.L. BROADVIEW — ℄ EDGEMOOR



PERSHING TO EDGEMOOR DR.



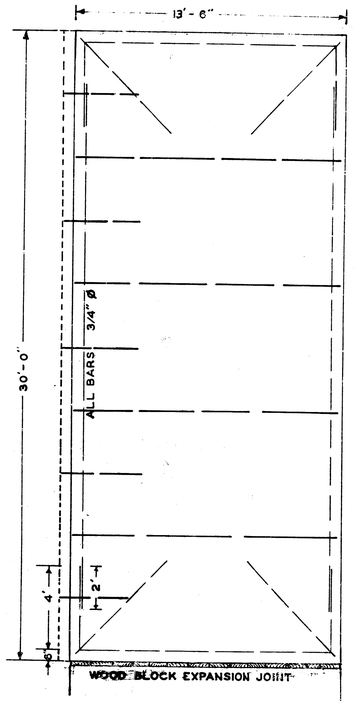
BROADVIEW TO CRESTWAY



CRESTWAY TO PERSHING

INTEGRAL CURB IS A SEPARATE ITEM
NOT INCLUDED IN QUANTITY FOR WIDENING

EXPANSION JOINT AT 90' INTERVALS
CONTRACTION JOINT AT 30' INTERVALS

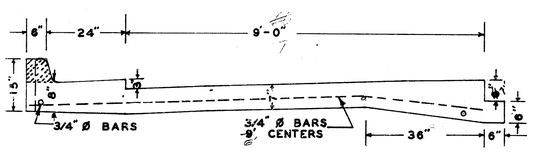


REINFORCING STEEL DETAIL

PERSHING TO EDGEMOOR DR.

SCALE 3/8" = 1'-0"

CUT CONTRACTION JOINTS AT 26' CENTERS



WIDENING DETAIL

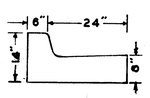
BROADVIEW TO CRESTWAY

SCALE 3/4" = 1'-0"

TYPE B

PROPOSED CROSS SECTIONS

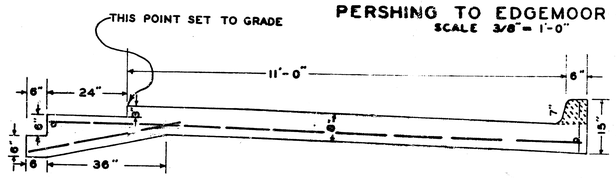
SCALE 3/8" = 1'-0"



CURB & GUTTER DETAIL

CRESTWAY TO PERSHING

SCALE 3/4" = 1'-0"



WIDENING DETAIL

PERSHING TO EDGEMOOR DR.

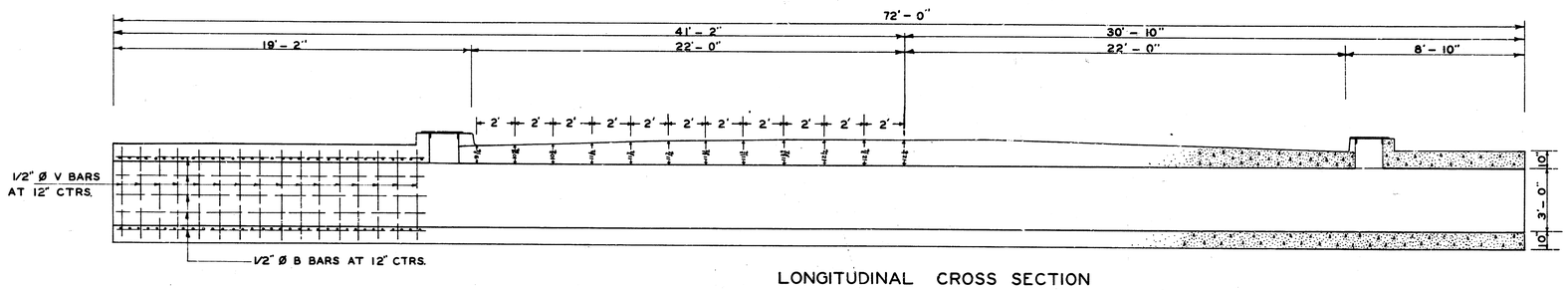
SCALE 3/4" = 1'-0"

TYPE A

14

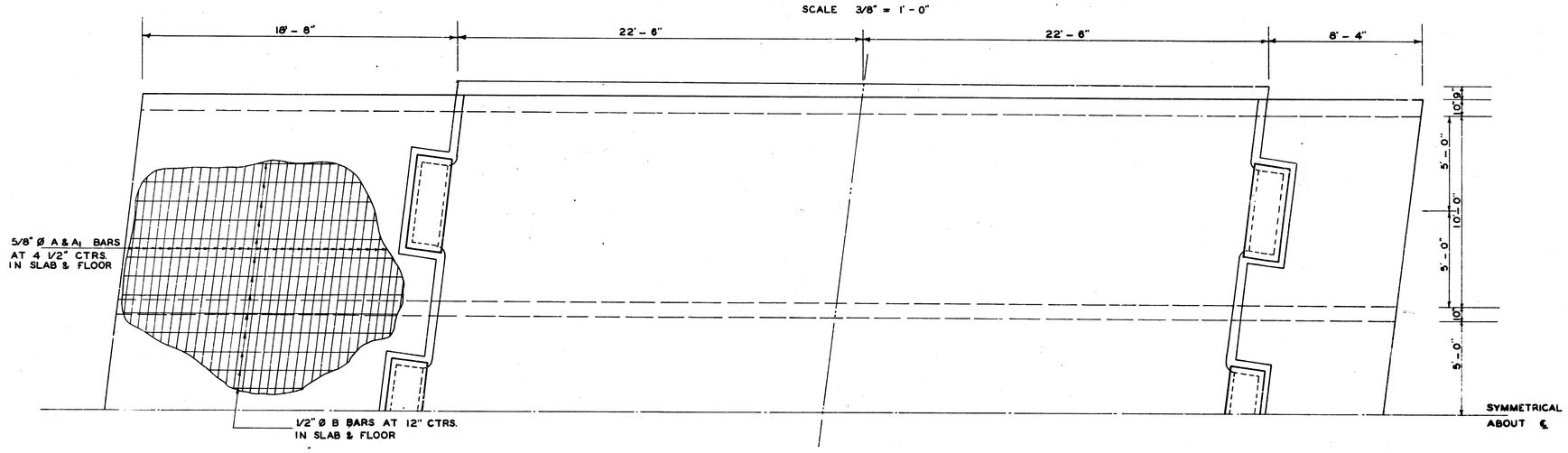
BOX CULVERT PLAN

EAST CENTRAL



LONGITUDINAL CROSS SECTION

SCALE 3/8" = 1' - 0"

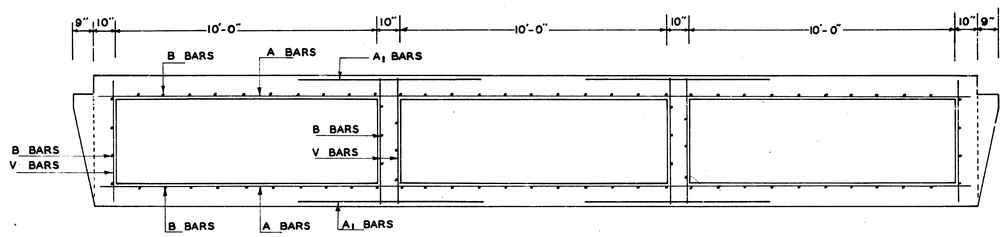


PLAN LAYOUT

SCALE 3/8" = 1' - 0"

15

BOX CULVERT DETAIL
EAST CENTRAL

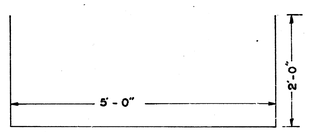


CROSS SECTION OF BOX

SCALE 1/2" = 1' - 0"

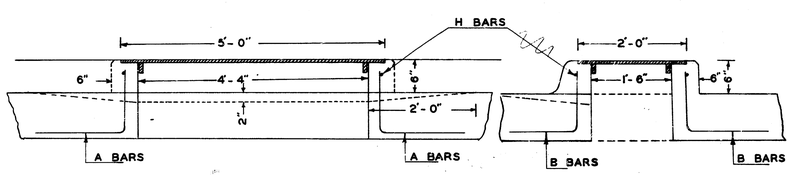
NOTE: BEVEL ALL EXPOSED EDGES USING 1" TRIANGULAR MOULDING

BILL OF MATERIAL						
BAR	A	A1	B	V	H	
NO.	386	772	246	472	6	
SIZE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
LENGTH	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]						
CLASS A CONCRETE - CU. YDS.						
REINFORCING STEEL - LBS.						
2'X5' CATCH BASIN COVERS - NO.						



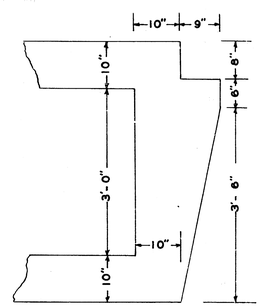
BENDING DIAGRAM FOR H BARS

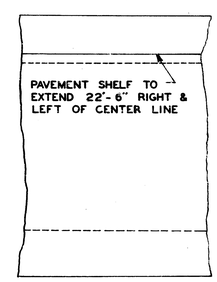
NOTE: CUT A & B BARS IN OPENING OF CATCH BASIN & BEND AS SHOWN BELOW



DETAIL OF CATCH BASIN

SCALE 1" = 1' - 0"



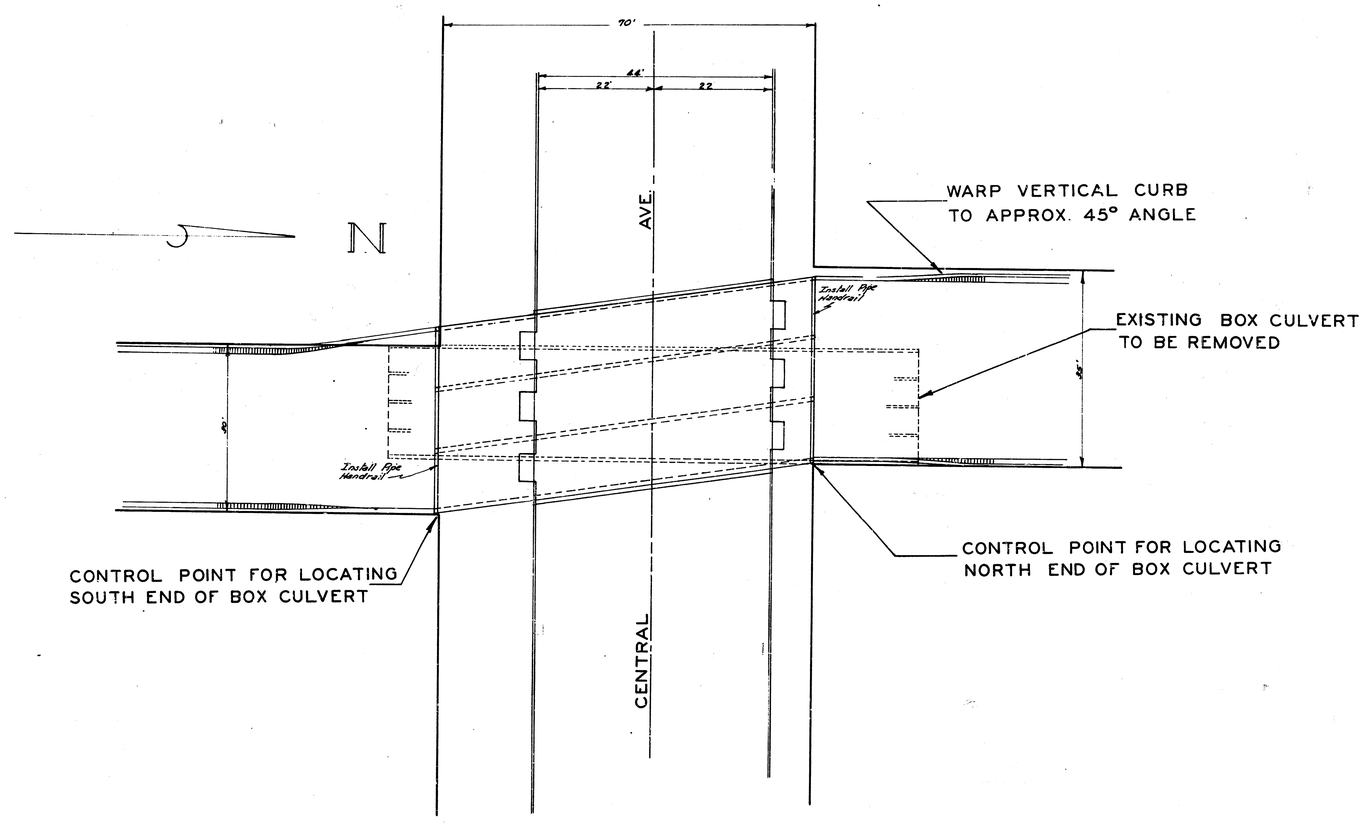


DETAIL OF PAVEMENT SHELF

SCALE 1" = 1' - 0"

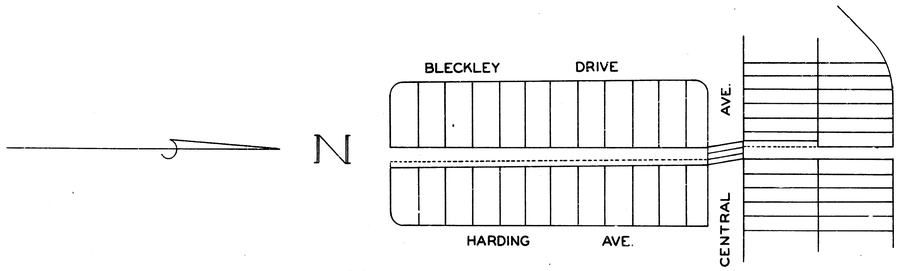
CENTRAL AVENUE
BOX CULVERT LAYOUT

SCALE 1" = 1' - 0"

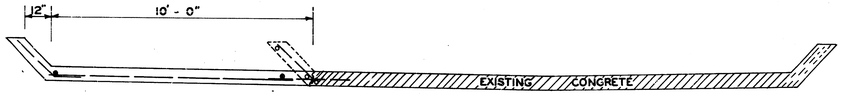


CENTRAL AVENUE

DRAINAGE CHANNEL

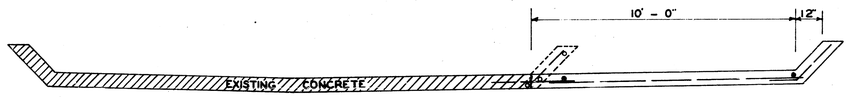


WARP CURB FROM VEPTICAL POSITION AT END OF BOX CULVERT TO APPROX. ANGLE OF 45° TRANSITION TO BE COMPLETE IN 30 FEET OR LESS

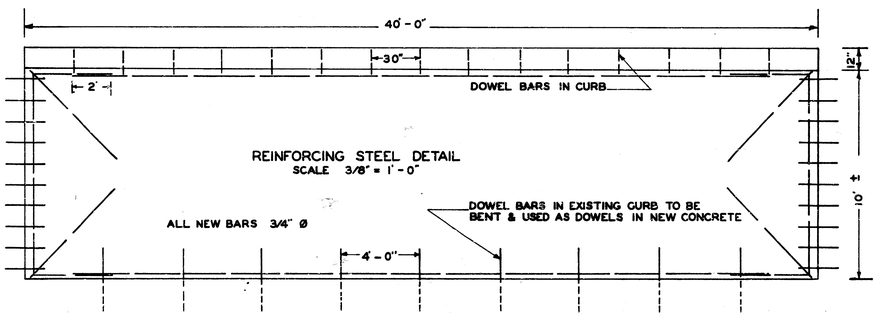


CROSS SECTION DETAIL
NORTH OF BOX CULVERT
SCALE 1/2" = 1' - 0"

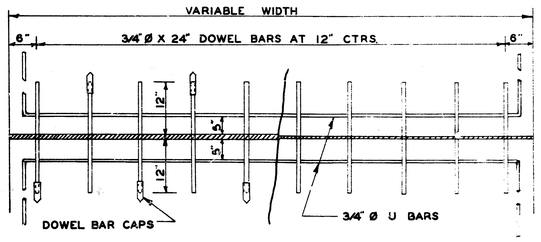
EXPANSION JOINTS & CONTRACTION JOINTS SHALL BE SPACED TO MATCH CORRESPONDING JOINTS IN EXISTING CONCRETE



CROSS SECTION DETAIL
SOUTH OF BOX CULVERT
SCALE 1/2" = 1' - 0"

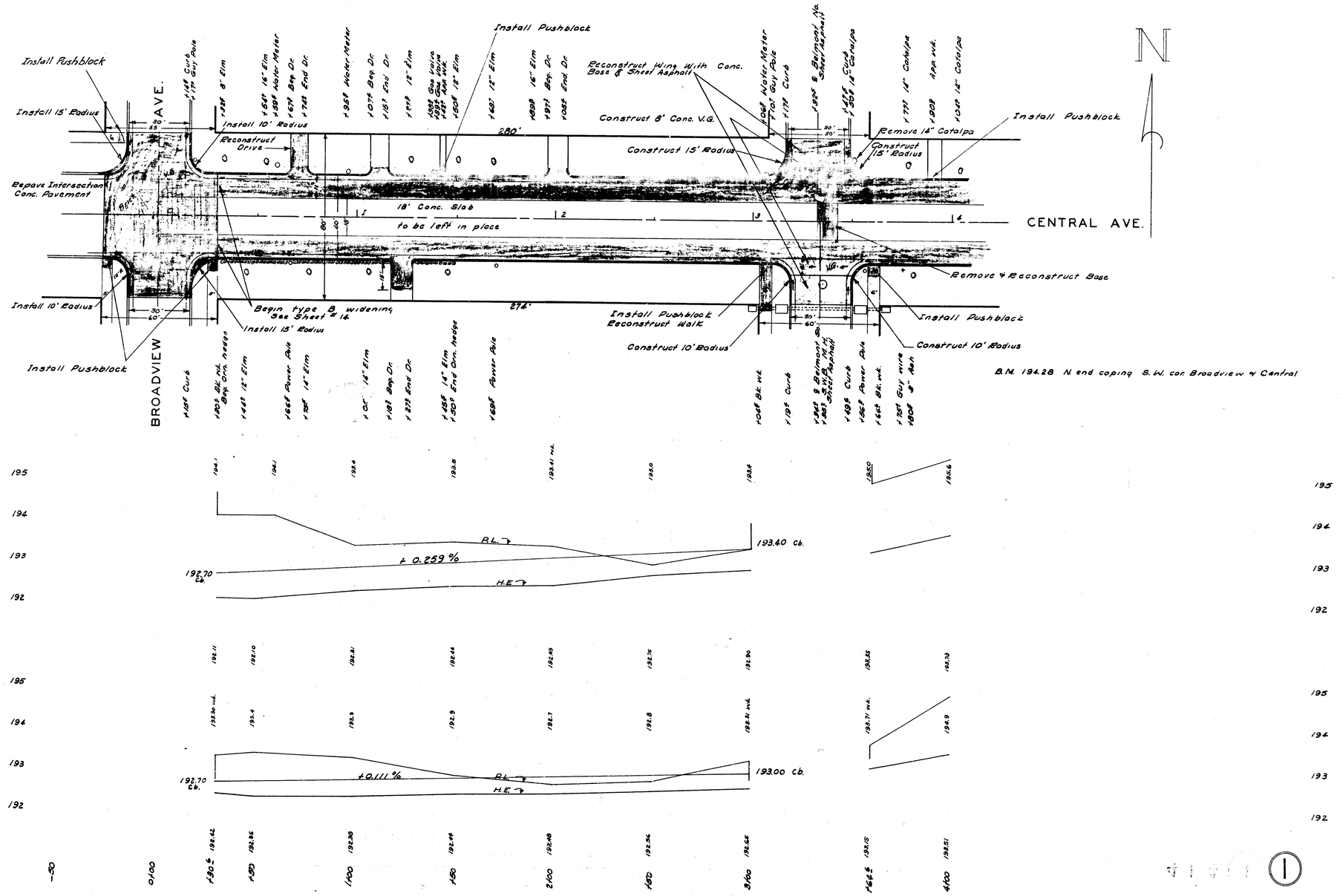


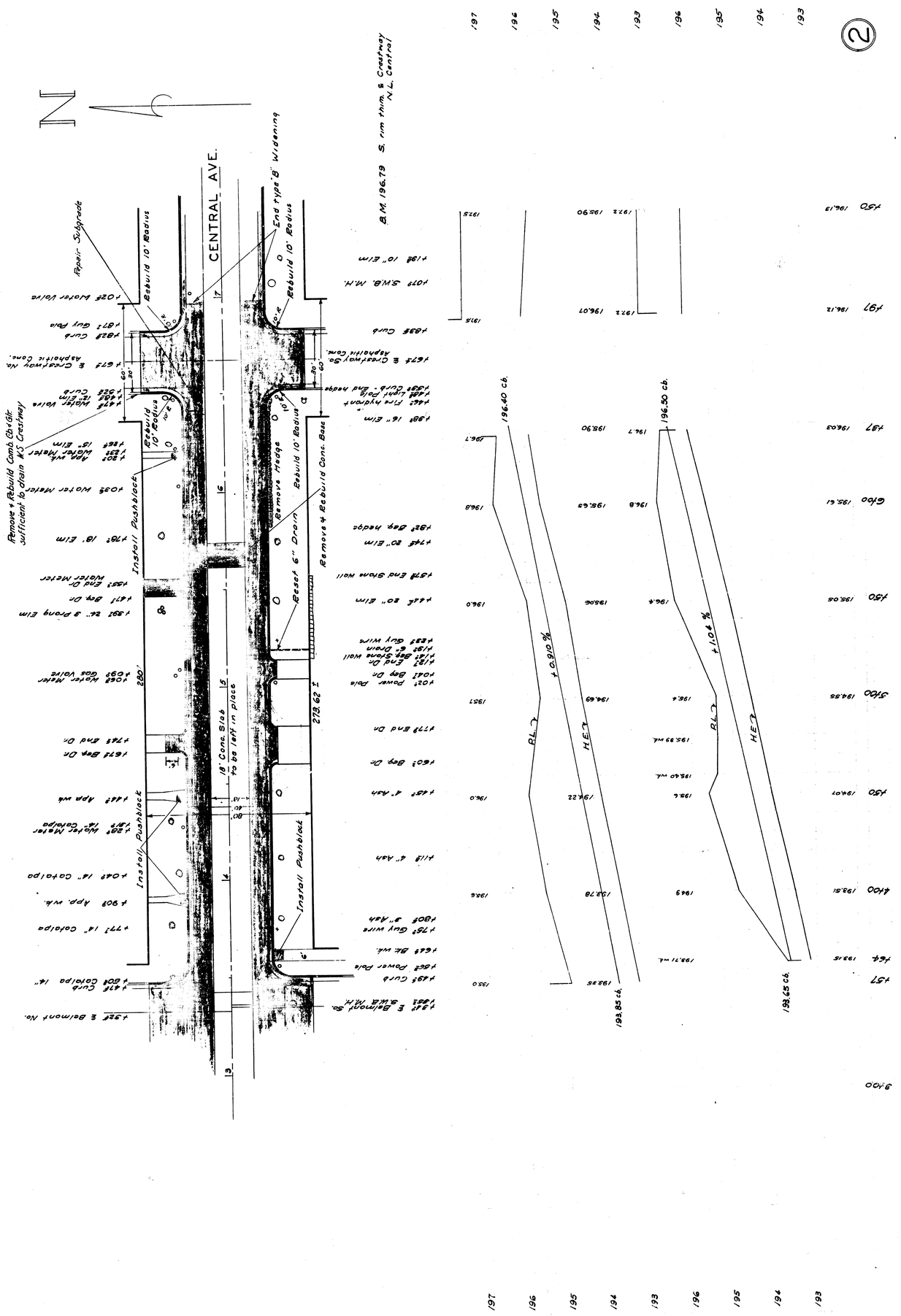
REINFORCING STEEL DETAIL
SCALE 3/8" = 1' - 0"

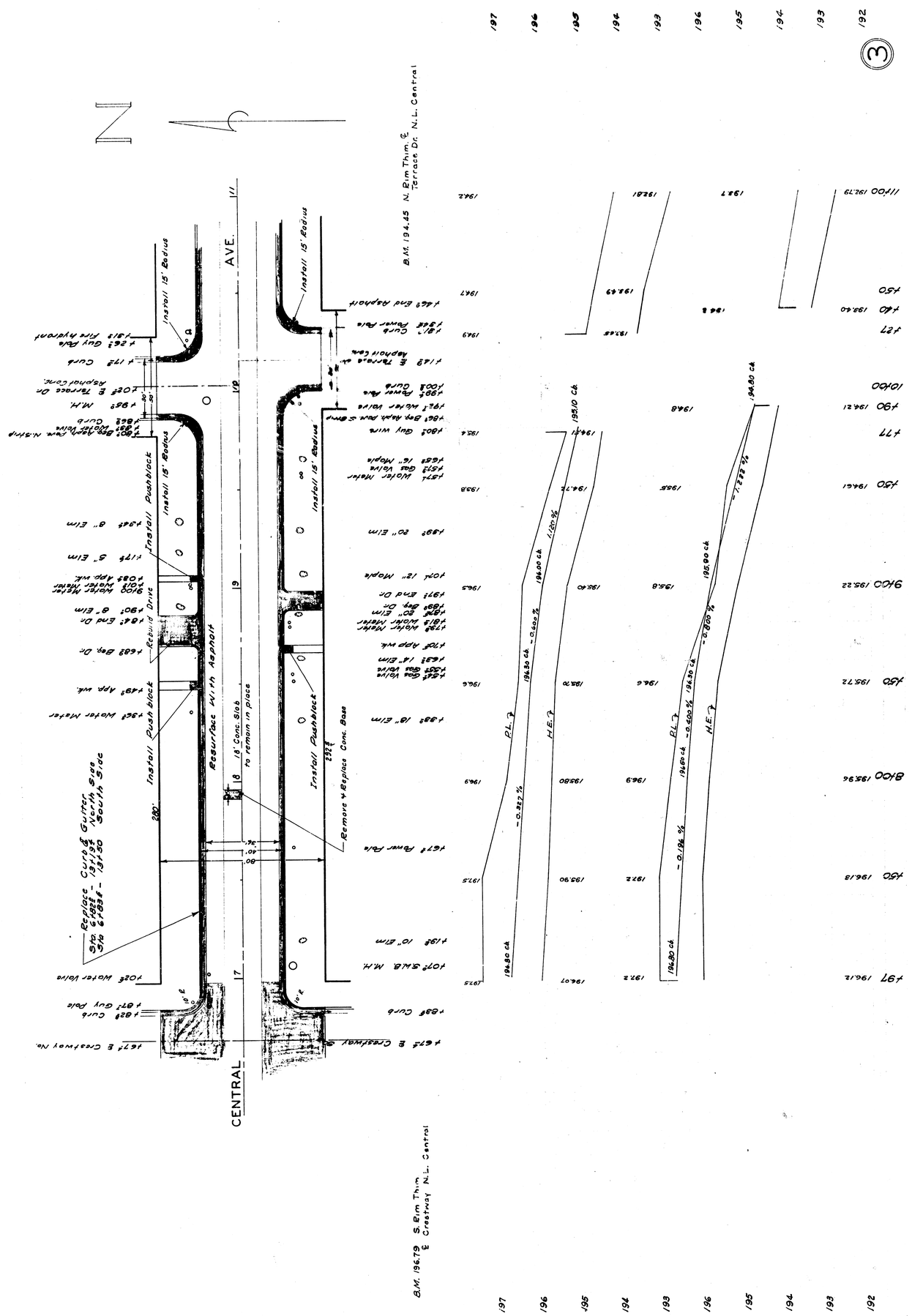


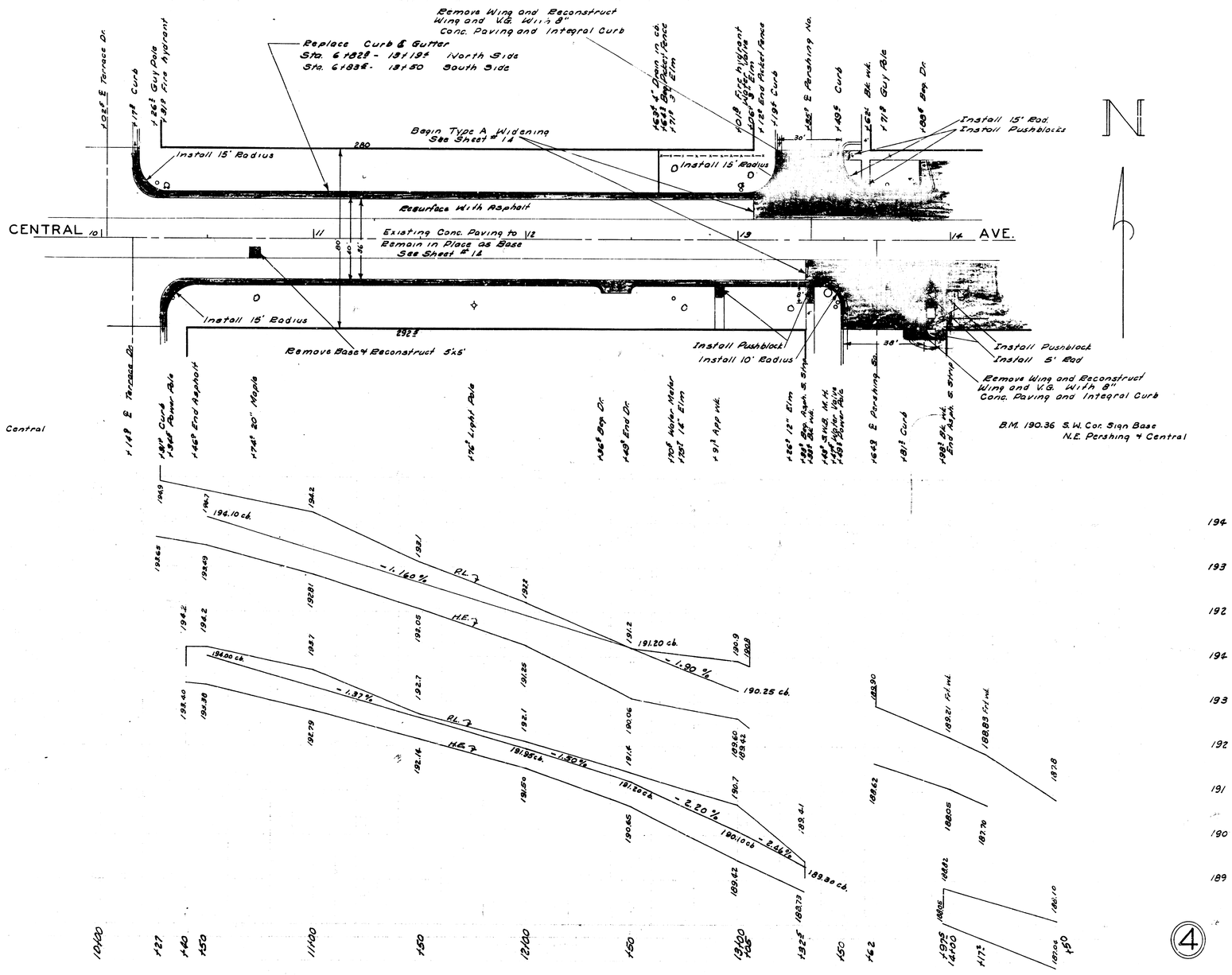
PART PLAN OF EXPANSION JOINT
120' C - C

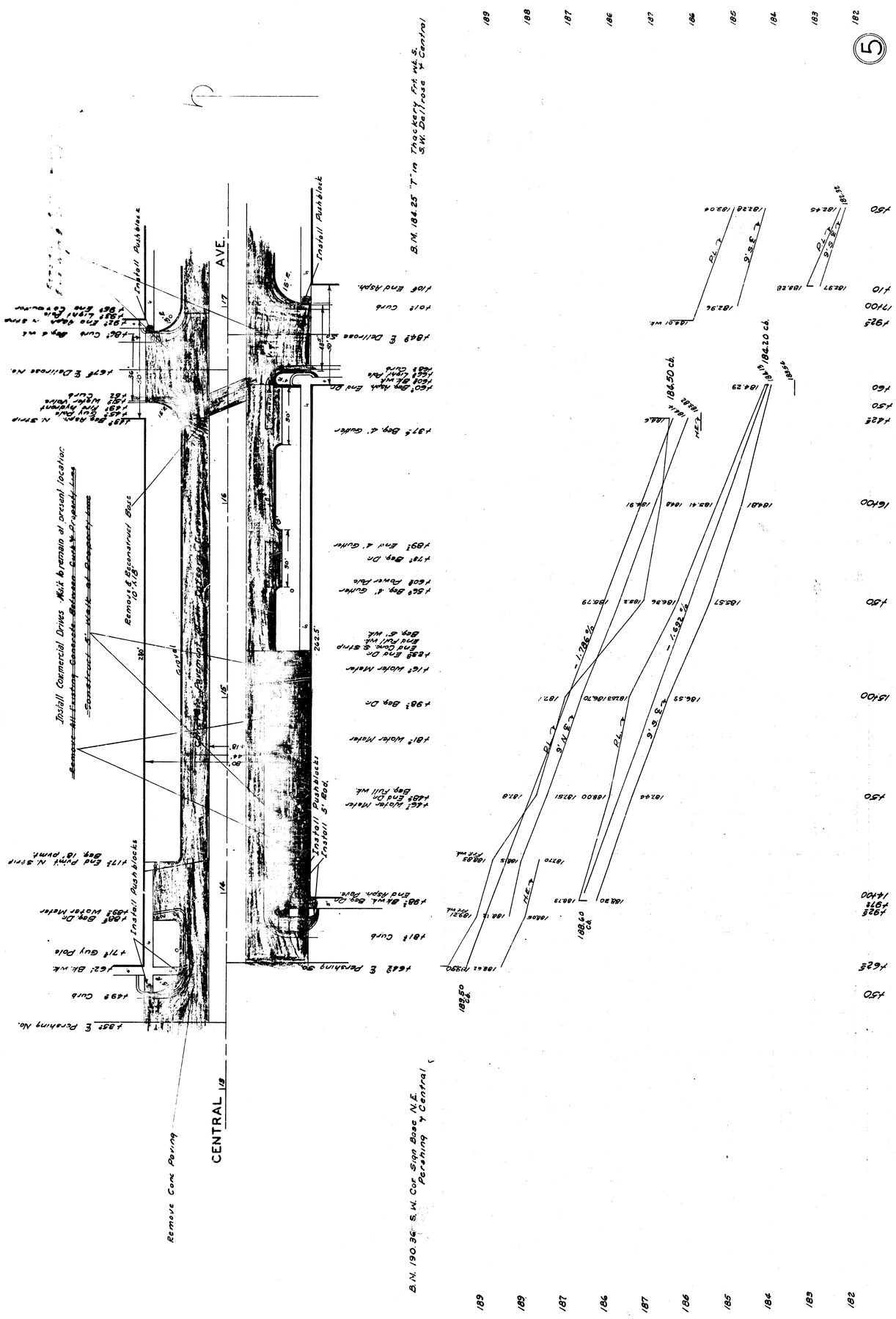
PART PLAN OF CONTRACTION JOINT
40' C - C

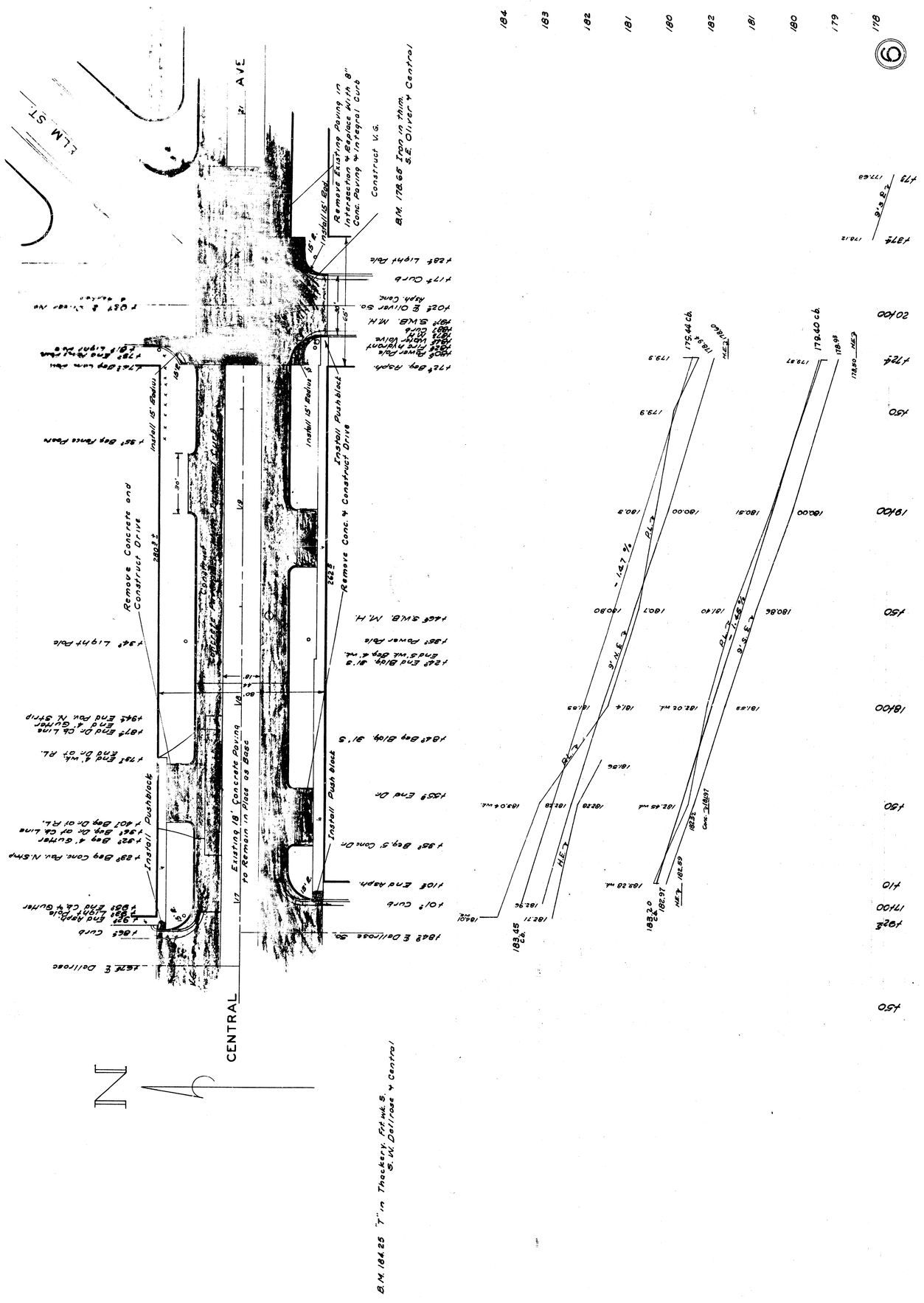

Install Pushblock
Install 15' Radius
Install 10' Radius
Repave Intersection Conc. Pavement
Reconstruct Drive
Install 10' Radius
Install Pushblock
BROADVIEW AVE.
Begin Type B widening See Sheet # 14
Install 15' Radius
Install Pushblock
Reconstruct Wing With Conc. Base & Sheet Asphalt
Construct 8' Conc. V.G.
Construct 15' Radius
280'
18' Conc. Slab
to be left in place
274'
Install Pushblock Reconstruct Walk
Construct 10' Radius
Remove 14" Catalpa
Construct 15' Radius
Install Pushblock
Remove & Reconstruct Base
Install Pushblock
Construct 10' Radius
CENTRAL AVE.
N
B.M. 194.28 N. end coping S.W. cor. Broadview & Central
+0.259 %
193.40 Cb.
192.70 Cb.
H.E.
+0.111 %
193.00 Cb.
192.70 Cb.
H.E.
0+00
1+00
2+00
3+00
4+00

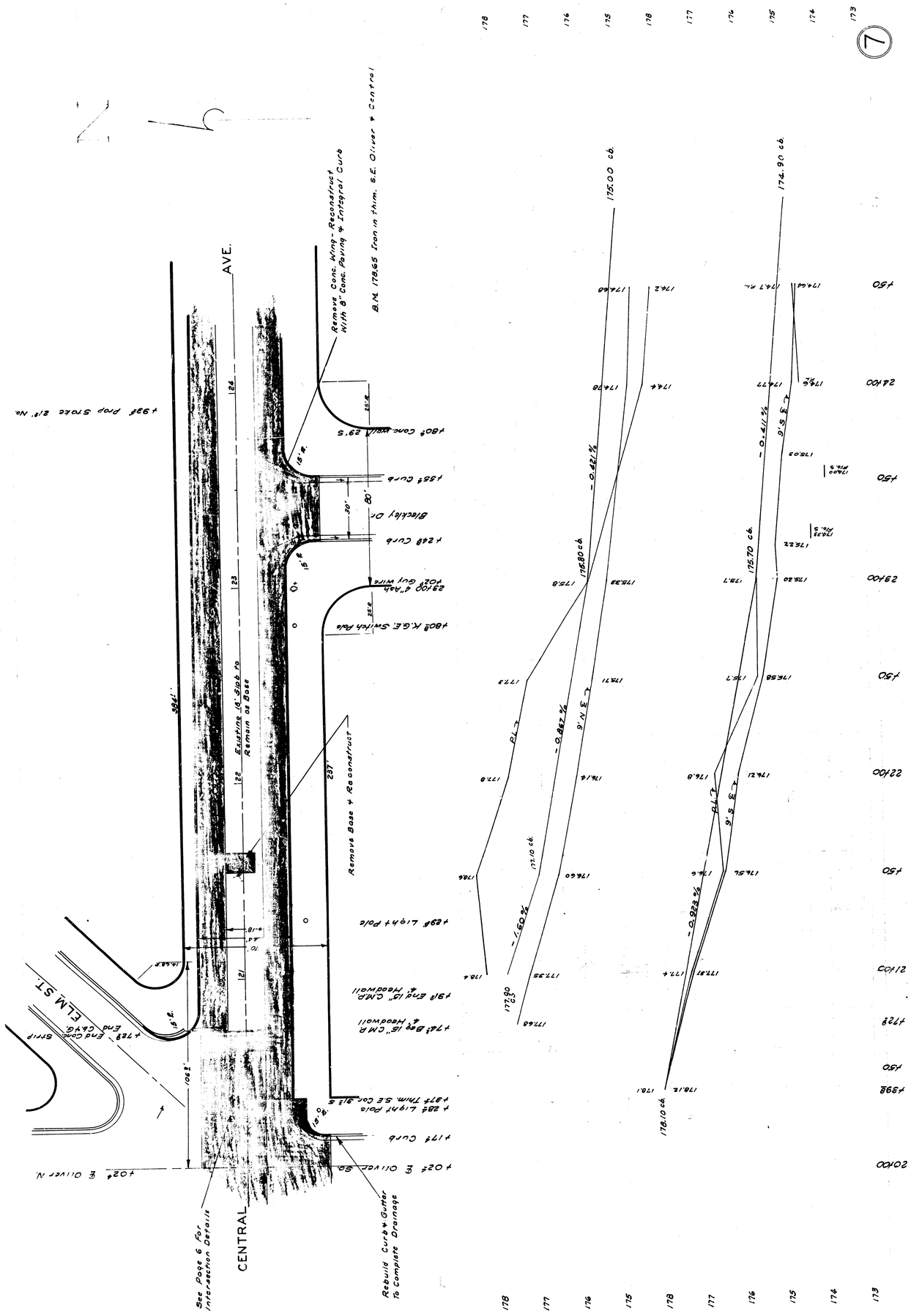

N
CENTRAL AVE.
B.M. 196.79 S. rim thim. S. Crestway N.L. Central
End type "B" Widening
Rebuild 10' Radius
Repair Subgrade
Remove + Rebuild Comb. Cb + dir. sufficient to obtain W.S. Crestway
Install Pushblock
Remove Hedge
Remove + Rebuild Conc. Base
Reset 6" Drain
18' Conc. Slab to be left in place
273.62 ±
280'
196.40 cb.
196.50 cb.
193.85 cb.
193.65 cb.
+0.910 %
+1.04 %
P.L.
H.E.
3+00
3+50
4+00
4+50
4+64
4+97
5+00
5+50
6+00
6+50
7+00
7+50
9+00

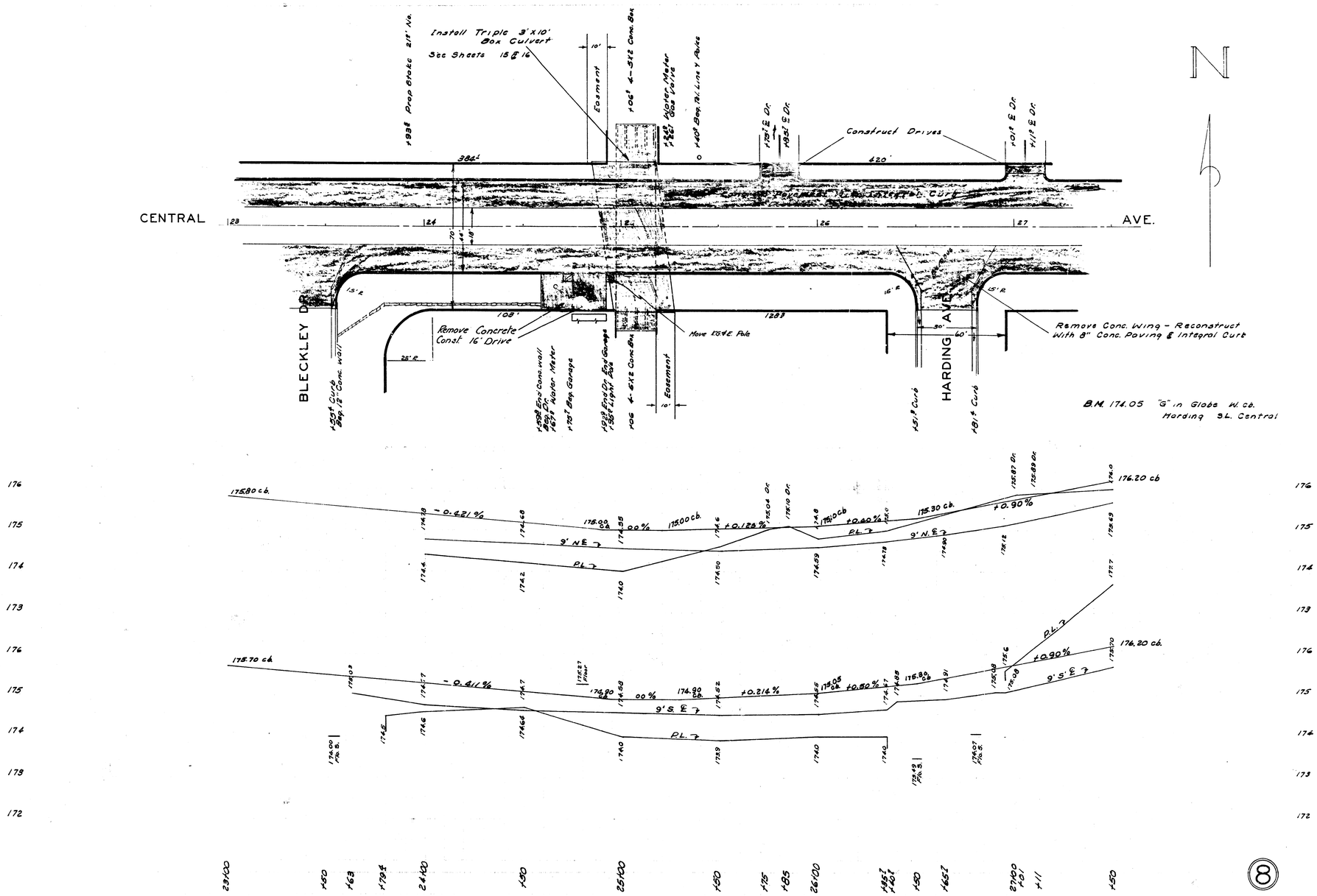

3
N
B.M. 194.45 N. Rim Thim. @ Terrace Dr. N.L. Central
B.M. 196.79 S. Rim Thim @ Crestway N.L. Central
CENTRAL AVE.
Install 15' Radius
Install Pushblock
Resurface With Asphalt
Rebuild Drive
Install Push Block
Replace Curb & Gutter
Sta 6+82.8 - 13+94 North Side
Sta 6+83.8 - 13+50 South Side
18' Conc. Slab to remain in place
Remove & Replace Conc. Base
+46.5 E Crestway No.
+68.2 Curb
+87.1 Guy pole
+102.5 Water Valve
+107 SWB. M.H.
+128 Curb
+167.5 Power Pole
+198 10" Elm
+238 18" Elm
+249 App. wk.
+268 Rep. Dr.
+284 End Dr.
+290 6" Elm
+302.5 Water Meter
+308 App wk.
+346 6" Elm
+377.5 5" Elm
+384 6" Elm
+402.5 E Terrace Dr. Asphalt conc.
+426 Guy Pole
+451.5 Fire Hydrant
+464 End Asphalt
+483 Guy wire
+492 20" Elm
+497.5 End Dr.
+499 Dep. Dr.
+507 App wk.
+528 Power Pole
+532 Curb
+548 Power Pole
+563 Water Valve
+573 Gas Valve
+583 16" Maple
+597.5 Water Meter
+607 12" Maple
+628 Gas Valve
+638 14" Elm
+649 Water Meter
+662 20" Elm
+678 Water Meter
+698 App wk.
+738 Water Meter
+748 Gas Valve
+758 Gas Valve
+768 App wk.
+788 10" Elm
+798 Water Meter
+808 App wk.
+818 Water Meter
+828 Curb
+848 Power Pole
+862 Curb
+875 Power Pole
+889 Curb
+902 Water Meter
+914 Gas Valve
+924 Gas Valve
+934 Gas Valve
+944 Gas Valve
+954 Guy wire
+964 App. Pole & Guy
+973 Water Meter
+983 20" Elm
+997 End Dr.
+1007 12" Maple
+1017 Water Meter
+1028 App wk.
+1038 Water Meter
+1048 Water Meter
+1058 Water Meter
+1068 Water Meter
+1078 Water Meter
+1088 Water Meter
+1098 Water Meter
+1108 Water Meter
+1118 Water Meter
+1128 Water Meter
+1138 Water Meter
+1148 Water Meter
+1158 Water Meter


Remove Wing and Reconstruct Wing and V.G. With 8" Conc. Paving and Integral Curb
Replace Curb & Gutter
Sta. 6+82.8 - 13+19.4 North Side
Sta. 6+83.6 - 13+50 South Side
Begin Type A Widening See Sheet # 14
Install 15' Radius
Install 15' Rad.
Install Pushblocks
Resurface With Asphalt
CENTRAL
AVE.
Existing Conc. Paving to 12
Remain in Place as Base See Sheet # 14
Remove Base & Reconstruct 5'x5'
Install Pushblock
Install 10' Radius
Install Pushblock
Install 5' Rad
Remove Wing and Reconstruct Wing and V.G. With 8" Conc. Paving and Integral Curb
B.M. 194.45 N. Rim Thim. E Terrace Dr. N.L. Central
B.M. 190.36 S.W. Cor. Sign Base N.E. Pershing & Central
194.10 ch.
-1.160 %
R.L.
H.E.
191.20 ch.
-1.90 %
190.25 ch.
194.00 ch.
-1.37 %
191.85 ch.
-1.50 %
191.20 ch.
-2.20 %
190.10 ch.
-2.44 %
189.30 ch.
189.21 r/l wl.
188.83 r/l wl.
10+00
11+00
12+00
13+00
14+00
4

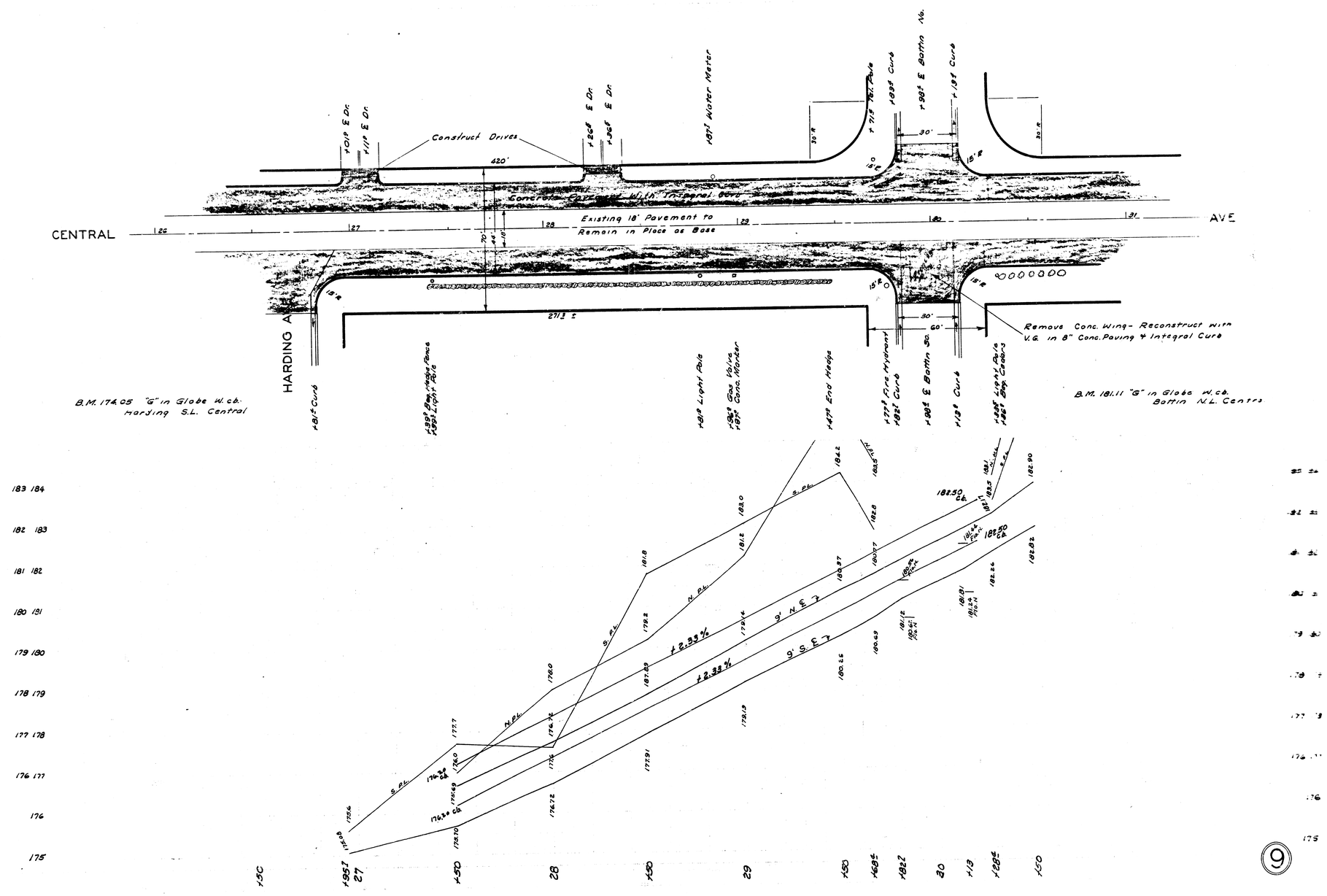

5
B.M. 184.25 "T" in Thackery Fd. at S.W. Corner of Railroad & Central
B.M. 190.36 S.W. Cor. Sign Base N.E. Pershing & Central
CENTRAL AVE.
Remove & Reconstruct Block 10 S.P.
Install Commercial Drives Remove All Existing Concrete Between Curb & Property Lines
Reconstruct 5' Walk at Property Lines
Remove Core Paving
Install Pushblocks
Install 3" Blo.
Gravel
Pavement
+ 1.786 %
- 1.692 %
184.50 ch.
184.20 ch.
188.50 ch.
188.60 ch.
189.50 ch.

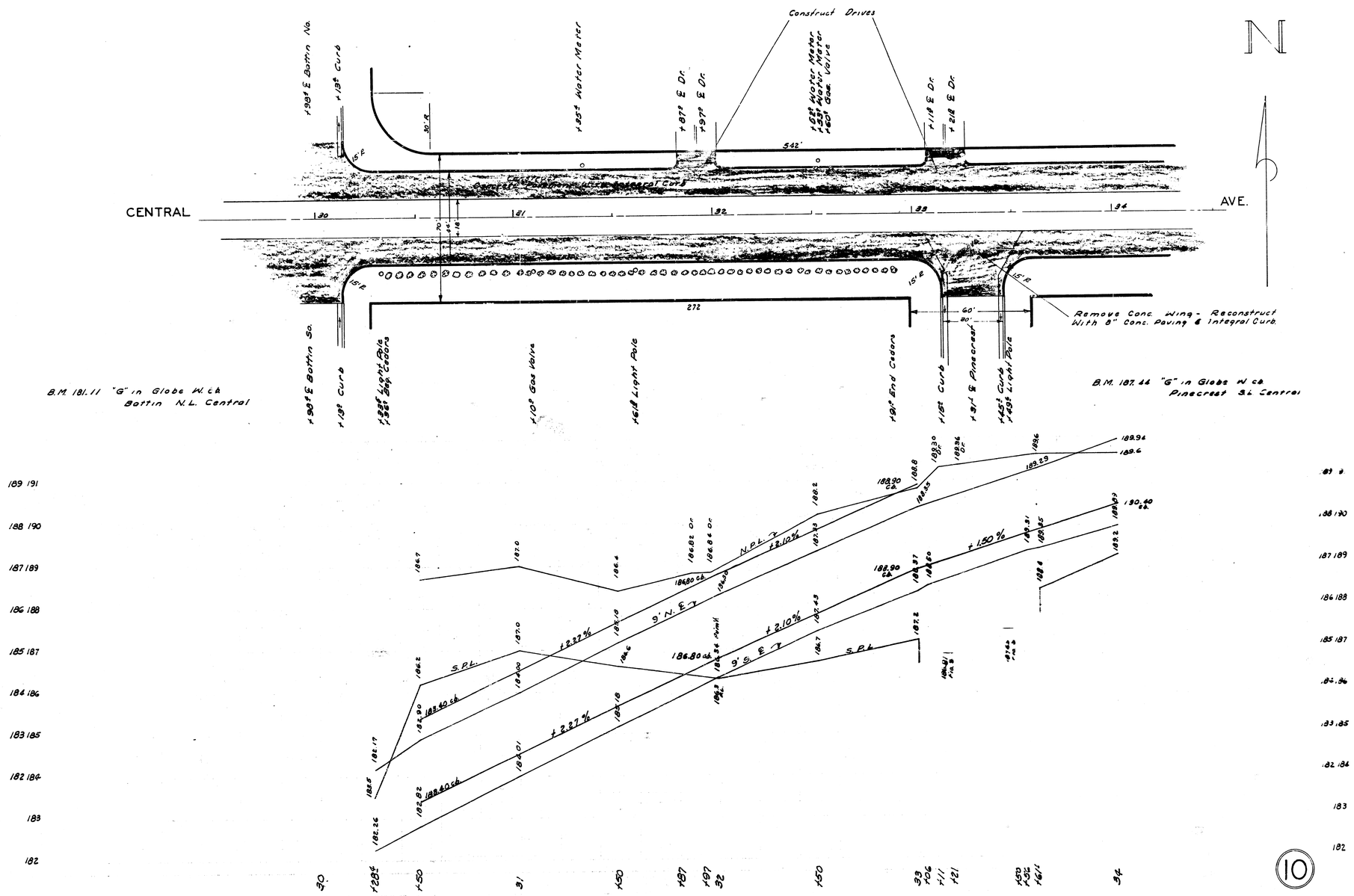

ELM ST.
AVE
CENTRAL
Remove Concrete and Construct Drive
Install Pushblock
Existing 18' Concrete Paving to Remain in Place as Base
Install 15' Radius
Install Pushblock
Remove Conc. & Construct Drive
Remove Existing Paving in Intersection & Replace With 8" Conc. Paving & Integral Curb
Construct V.G.
B.M. 178.65 Iron in thim. S.E. Oliver & Central
B.M. 184.25 "T" in Thackery Ft. nd S. S.W. Dalrose & Central
-1.47 %
P.V.C.
P.V.T.
H.E.
S.S.E.


7
B.M. 178.65 Iron in thim. S.E. Oliver & Central
Remove Conc. Wing - Reconstruct With 8" Conc. Paving & Integral Curb
Remove Base & Reconstruct
Existing 18" Slab to Remain as Base
See Page 6 For Intersection Details
Rebuild Curb & Gutter To Complete Drainage
CENTRAL
AVE.
ELM ST.
Blackley Dr.
+398 Prop Stake 21' No.
+402 ℄ Oliver N.
+402 ℄ Oliver So.
+174 Curb
+398 Thim. SE Cor. 21' S
+284 Light Pole
+174 Bas. 15" CMP & Headwall
+198 End 15" CMP & Headwall
+129 Light Pole
+248 Curb
+155 Curb
+180 Conc. Wall
+180 K.G.E. Switch Pole
29+00 4" Pole
+128 End Conc. Strip End Cb+G
175.00 cb.
174.90 cb.
175.80 cb.
175.70 cb.
177.90 cb.
177.10 cb.
178.10 cb.
- 0.421 %
- 0.862 %
- 0.607 %
- 0.922 %
20+00
21+00
22+00
23+00
24+00
25+00

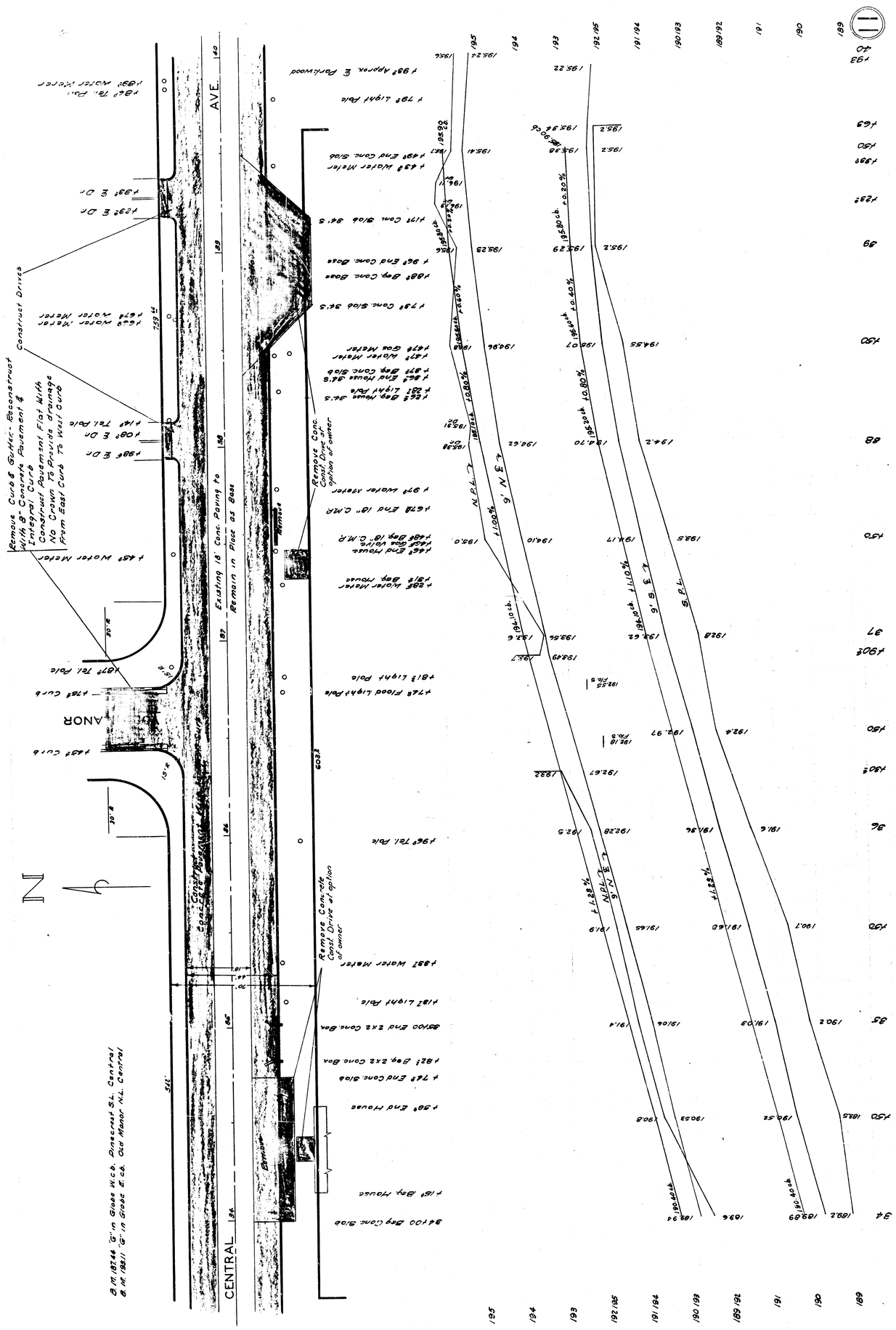

N
CENTRAL
AVE.
BLECKLEY DR.
HARDING AVE.
Install Triple 3'x10' Box Culvert
See Sheets 15 & 16
Easement
Construct Drives
Remove Concrete
Const. 16' Drive
Move Elec. & E Pole
Remove Conc. Wing - Reconstruct With 8" Conc. Paving & Integral Curb
B.M. 174.05 "G" in Globe W. cb. Harding S.L. Central
384'
420'
108'
128'
175.80 c.b.
175.70 c.b.
176.20 cb
176.20 cb.
PL
23+00
24+00
25+00
26+00
27+00

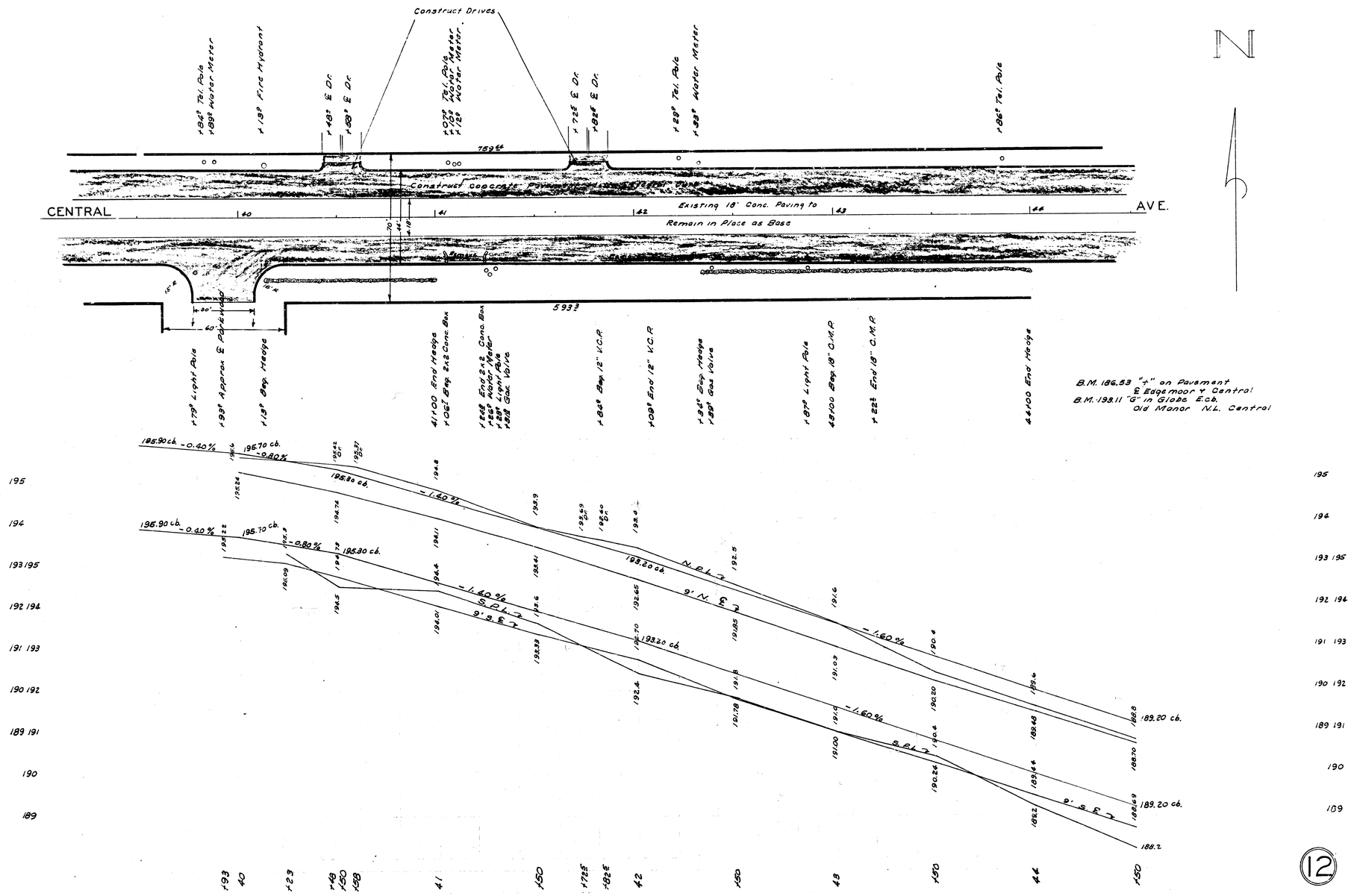
8


CENTRAL
AVE
HARDING AVE
Construct Drives
420'
Existing 18' Pavement to
Remain in Place as Base
Remove Conc. Wing - Reconstruct With
V.G. in 8" Conc. Paving + Integral Curb
B.M. 174.05 "G" in Globe W. cb.
Harding S.L. Central
B.M. 181.11 "G" in Globe W. cb.
Bottin N.L. Centre
+2.33%
+2.33%
℄ 3 N.
℄ 3 S.
9

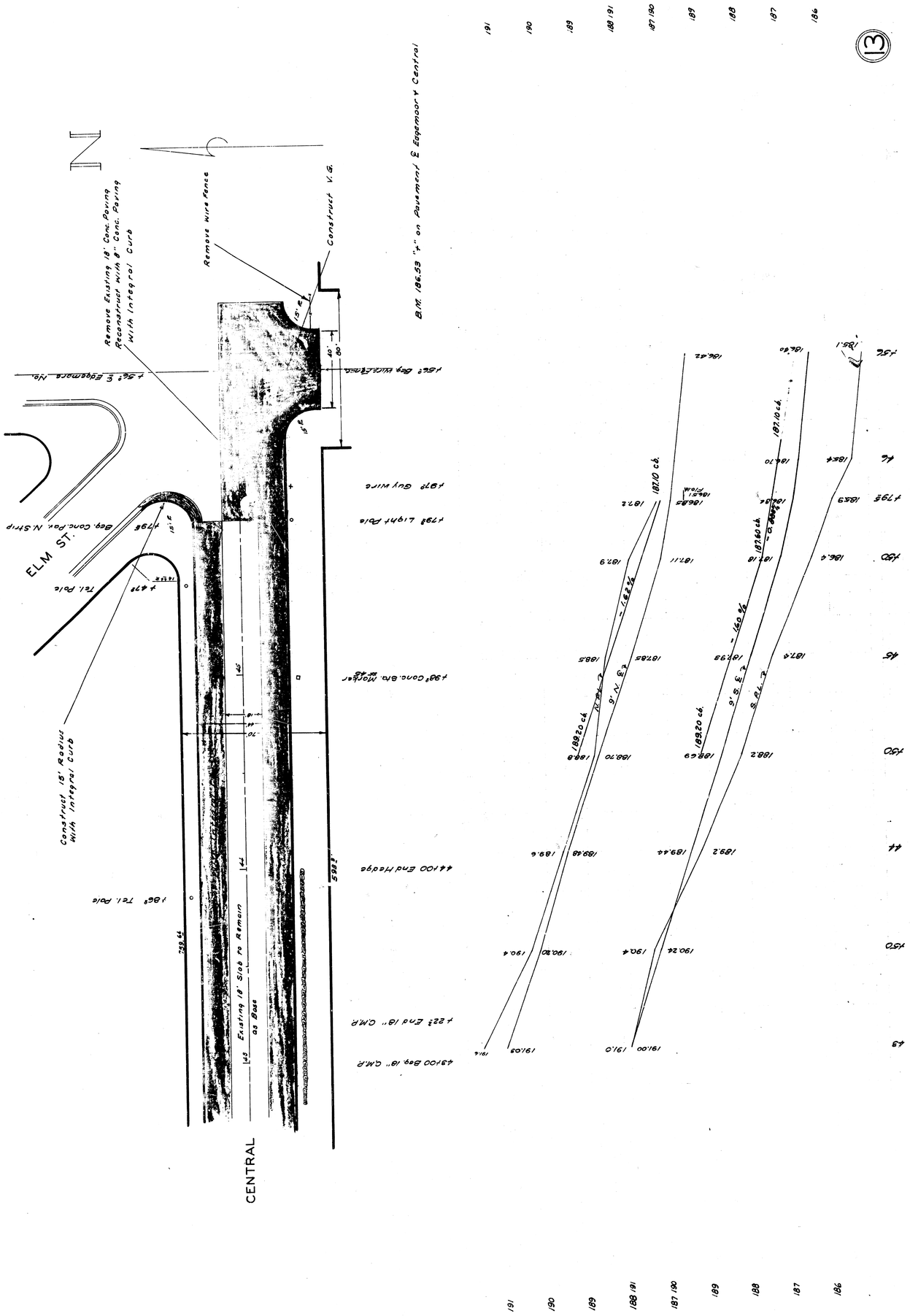

Construct Drives
N
CENTRAL
AVE.
542'
272
Remove Conc. Wing - Reconstruct With 8" Conc. Paving & Integral Curb.
B.M. 181.11 "G" in Globe W. ch. Bottin N.L. Central
B.M. 187.44 "G" in Globe W. ch. Pinecrest S.L. Central
N.P.L.
S.P.L.
+2.10%
+2.27%
+1.50%
30
31
32
33
34

10


Remove Curb & Gutter - Reconstruct With 8" Concrete Pavement & Integral Curb
Construct Pavement Flat With No Crown To Provide drainage From East Curb To West Curb
Construct Drives
Remove Conc. Cont. Drive at option of owner
Existing 18' Conc. Paving To Remain in Place as Base
Remove
Remove Conc. Cont. Drive at option of owner
CENTRAL
AVE.
MANOR
N
B.M. 18244 "G" in Glass H.c.b. Pinecrest St. Central
B.M. 18311 "G" in Glass E.c.b. Old Manor Rd. Central
S.P.L.
N.P.L.
1+00 = 1.00%
1+10 = 1.10%
1+22.4 = 1.22.4%
1+10.80 = 10.80%
1+20 = 1.20%
1+40 = 1.40%


Construct Drives
CENTRAL
AVE.
Existing 18' Conc. Paving to
Remain in Place as Base
Construct Concrete Pavement
Street
B.M. 186.53 "+" on Pavement
℄ Edgemoor & Central
B.M. 193.11 "G" in Globe E.cb.
Old Manor N.L. Central
N

12


N
B.M. 186.59 "+" on Pavement & Edgemoor & Central
Remove Existing 18" Conc. Paving
Reconstruct With 8" Conc. Paving
With Integral Curb
Remove Wire Fence
Construct V.G.
+56± E. Edgemore No.
+56± Dep. Wing Fence
+79± Guy Wire
+79± Light Pole
+79± Dep. Conc. Pav. N. Strip
ELM ST.
+47± Tel. Pole
Construct 18' Radius
With Integral Curb
+90± Conc. Bd. Mortar
+44.00 End Header
+18± Tel. Pole
Existing 18' Slab to Remain
as Base
+22± End 18" C.M.P.
+43.00 Dep. 18" C.M.P.
CENTRAL
13