LAYOUT OF CURVES FOR CURB.
ON EAST APPROACH
SCALE 1"= 100'

Sta. 14+82.91 = Int. of N. Curb and R = 1811.39'
Make a smooth curve at Int. of N. Curb and N. Curve.
Sta. 15+71.36 = P.I. of South Curve.
Δ = 15°11'28" for North Curve.
Δ = 11°32'30" for South Curve.
T = 247.11
T = 247.11
N. Curb
S. Curb
C.L. Edge of Pavement.
Join Edge of Pavement To N. Curve By A Smooth Reverse Curve, Beginning At P.T. on the Edge of Pavement and Ending on the Curve, Off the End of the Pavement.
Join Edge of Pavement With A Point on Curve 25' From Pavement By A Smooth Curve.

Grade 0.5% Down → 48'-0" 100'± Vert. Curve. Grade 2.5% Up →
El. 652.66 Crest Pav.
El. 652.41
El. 652.15
El. 651.63
El. 651.63 Cr. of Rd.
El. 651.63 Crest Pav.
End of Present Pavement
℄ El. 650.5
63'-10" 65'-6" 65'-6"
194'-10" South Railing
63'-10" 65'-6" 65'-6" 65'-6"
250'-4" North Railing

Top of Slope is 3' Above Pavement.

Typical Section on North Side of Pavement.
Scale 1" = 10'

Area Graded To Painesville
Top of Slope
Bott. of Slope
2:1 Slope
2:1 Slope
2% Concrete Gutter
2-24"x20" Catch Basins
End of Sidewalk & Curb
End of Pav.
Drive Way
Shoulder
℄ Viaduct

RIVER
CHAGRIN
℄ Bridge
N
30.0'
300.0'
30" Or New 18" Vit. Pipe From Here
Present 18" Pipe
172.48'
Inlet-2
End of Sidewalk. Inlet-1
12" Vit. Pipe
Curb-2
Curb-1
2 Rail 4" Wall
Wall 100' Long
Wall 200' Long
Note:- For Detail of End See Sheet 826-19
A
B
C

Plan
Scale 40'-0" = 1"

For Details of Lamp Posts. See Sheet # 826-12

62'-2"
4@10'-7" = 42'-4"
9'-11"
9'-3"
1'-4"
4" ϕ Pipe Railing (Galvanized)
Standard 4 Rd. Fittings With 4-½ ϕ Exp. Bolts
1'-0"
1'-6"
1'-7"
3'-
2'-11"
3'-9"
5'-0"
5'-8"
Elevation of Approach Railing.

11'-7"
3'-4"
1'-11"
5'-6" To Curb
5'-0"

E. Pylon
W. Pylon
Plan of Approach Railing.
Scale ½" = 1'-0"

4" ϕ Pipe Railing
Inlet
6" Conc. Slab Base
Brick
5" Slab
6" Cinders
Slope ¼ to 1'-0"
16'-0"
16'-0"
6'-0"
5'-0"
6'-0"
8'-0"
32'-0"
Slope 6" Per Ft. → 12" Vit. Pipe Concreted In
A
B
℄ Viaduct
2 S. Frame House

Section "AA"
Scale ⅛" = 1'-0"

12'-0"
12'-0"
5'-0"
8" Slab
6" Cinders
Slope ¼ to 1'-0"
4" Brick
6" Conc. Slab Base.
6"x24"
24'-0"
8'-0"
℄ E. & W.

Section of 12" Sewer
All of Pipe To Be Laid In Concrete.

Section "DD"
Scale ⅛" = 1'-0"

Low Curb.
3'-2"
5'
20'
5'
6"
3'-0"
Plan.

Top of Curb
C.I. Standard Inlet
Brick
11"
20"
10"
Omit on B
3'-8"
3'-4"
4'-4"
4'-0"
5'-0"
6'-0"
12" Vit. Pipe Laid In Concrete
Box Built To Receive Standard Inlet.

Section "AA"
Scale ⅛" = 1'-0"

Section C.C.
Scale ⅛" = 1'-0"

Approved _____ 1920.
_____ } County Commissioners
_____ }
_____ County Auditor
_____ County Engineer
_____ State Highway Commissioner

THE WATSON ENGINEERING COMPANY.
CLEVELAND, OHIO.

CHAGRIN RIVER VIADUCT.
WILLOUGHBY
LAKE COUNTY, OHIO.
C.C. HADDEN, COUNTY ENGINEER.

EAST APPROACH.

Drawing Made	Drawn By	Traced By	Checked By	Date	Approved By	Date
Oct. 29-20	O.J.W.	O.J.W.	R.E.P.			

No.	By	Date	Remarks
1	R.E.P.	11/20	Added on Sec. AA
2	R.E.P.	11/20	Approach Rail Ret.

Scale As Noted
Plan No. 826-16 A

16 A