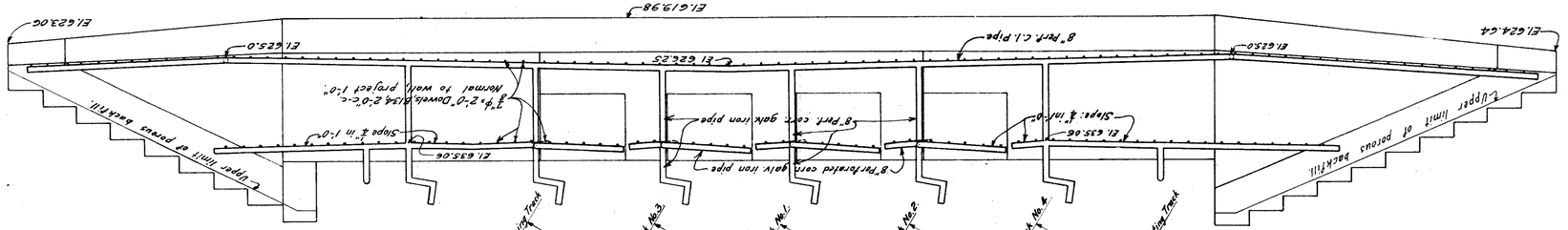
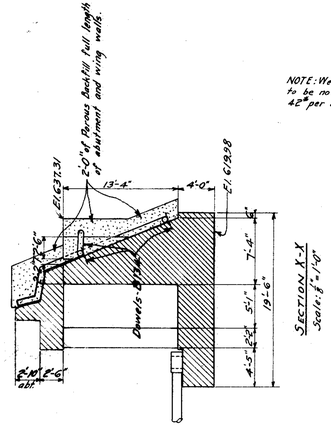
FED. RD DST. NO	STATE	F.A.G.C. PROJECT	FISCAL YEAR
10	OHIO	F.A.G.M. 70A(1)	1941

37
50

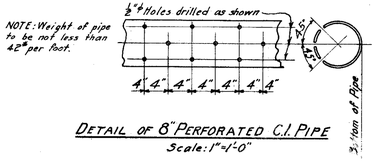
LAKE COUNTY S.H. 320
SEC. PAINESVILLE (PT.)
GRADE SEPARATION

REAR ELEVATION EAST ABUTMENT
Scale: $\frac{1}{8}$" = 1'-0"



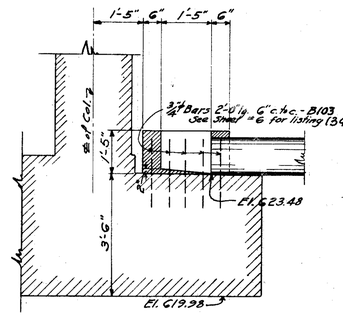


SECTION X-Y
Scale: $\frac{1}{8}$" = 1'-0"



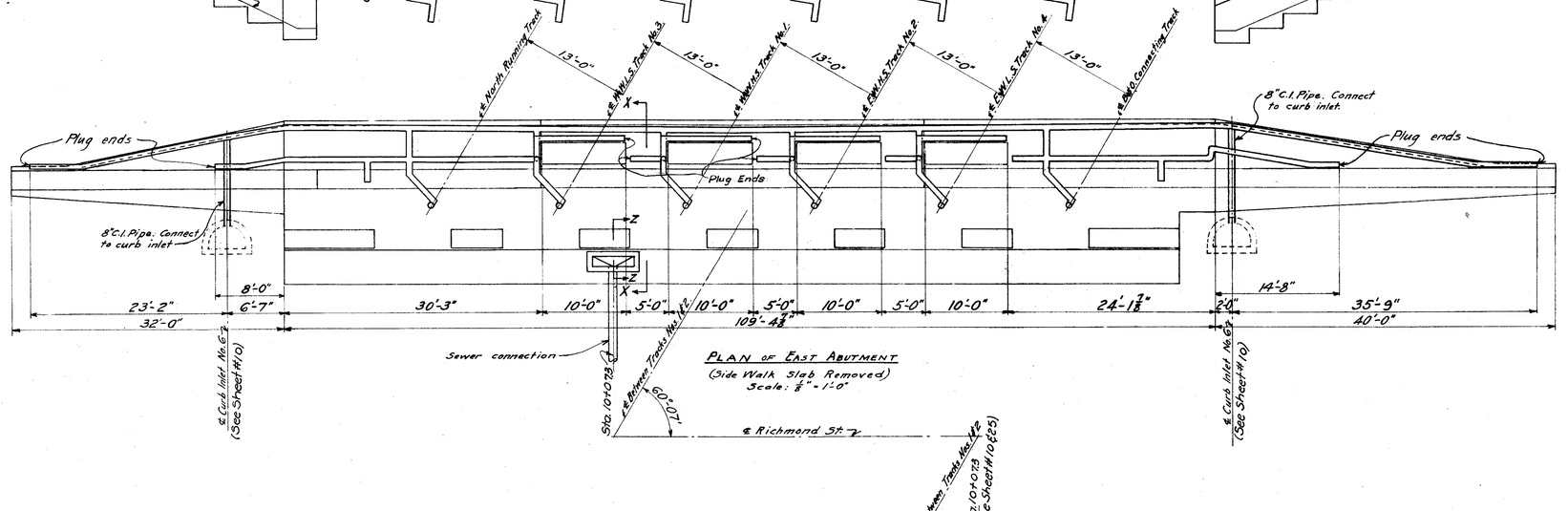
NOTE: Weight of pipe to be not less than 42# per foot.

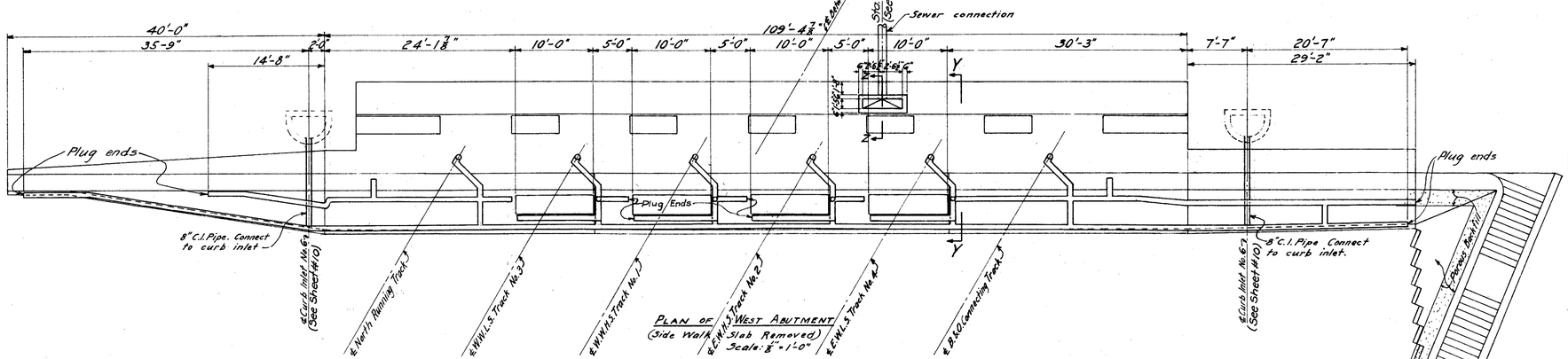
DETAIL OF 8" PERFORATED C.I. PIPE
Scale: 1" = 1'-0"



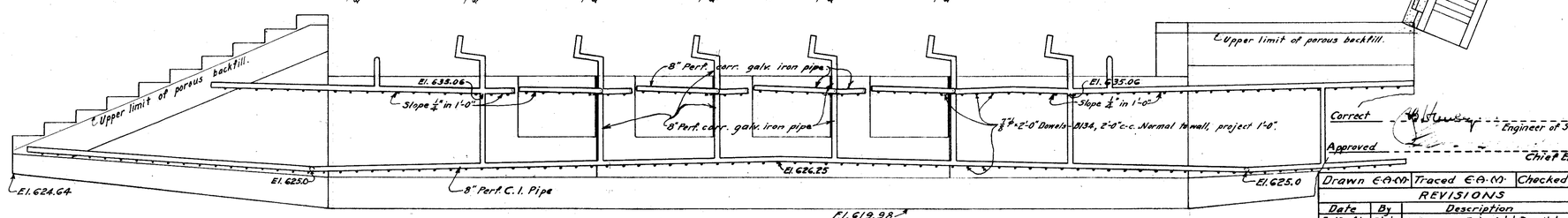
SEC. Z-Z
Scale: $\frac{1}{8}$" = 1'-0"

PLAN OF EAST ABUTMENT
(Side Walk Slab Removed)
Scale: $\frac{1}{8}$" = 1'-0"

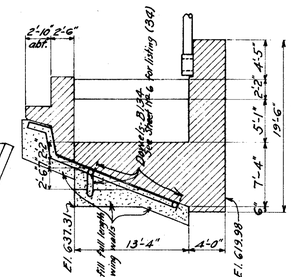




PLAN OF WEST ABUTMENT
(Side Walk Slab Removed)
Scale: $\frac{1}{8}$" = 1'-0"



REAR ELEVATION WEST ABUTMENT.
Scale: $\frac{1}{8}$" = 1'-0"



SECTION Y-Y
Scale: $\frac{1}{8}$" = 1'-0"

Note: 8" Perforated Bituminous Coated Corrugated Metal Pipe shall be in accordance with Sec. M-6.4 (f) (2).

ESTIMATED QUANTITIES FOR ABUTMENT DRAINAGE

Item	Description	Amount
S-29	8" C.I. Pipe, Min. 42# per Ft.	48 Lin. Ft.
S-29	8" Perforated C.I. Pipe, Including Specials	350 Lin. Ft.
S-29	8" Perf. Bit. Coated Corr. Metal Pipe, " "	600 Lin. Ft.
S-29	Porous Backfill, No. 1 Aggregate	580 Cu. Yds.

BR. No. LA-283-170

Correct _____ Engineer of Structures
Approved _____ Chief Engineer

Drawn E.A.M.	Traced E.A.M.	Checked G.P.B.

REVISIONS

Date	By	Description
3-12-41	State	Add Plug Pipe Ends, Metal Pipe Note

N.Y.C. System	Office of Chief Engineer	Chicago, Ill.

BR. No. 100¾ ERIE DIVISION STA. 1481+76.1
GRADE SEPARATION
RICHMOND ST. PAINESVILLE, OHIO.
ABUTMENT DRAINAGE
Sheet 9 of 19

N.Y.C.R.R.-West, Erie Division			Plan No. 100
Scale: As shown.	Aug. 15, 1940	Val. Sec. 203	File No. [illegible]-101