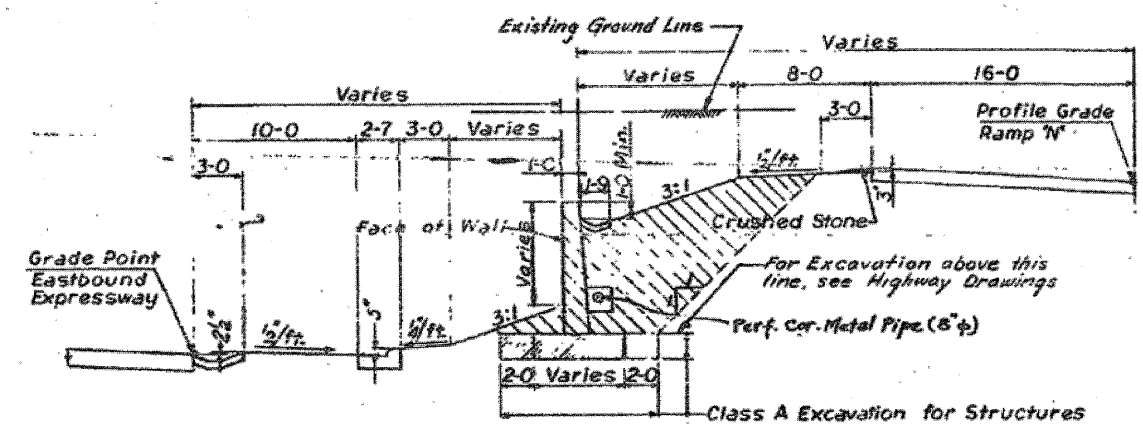
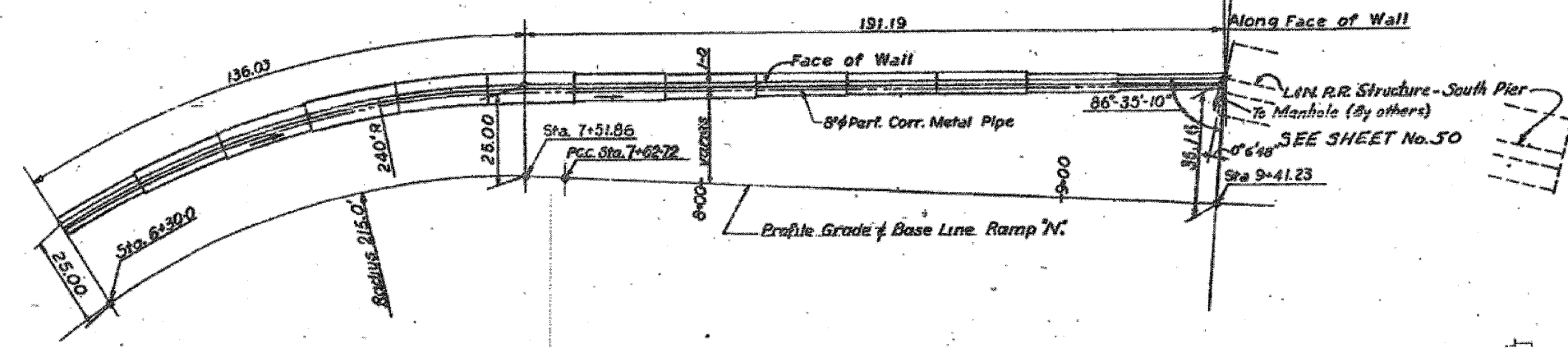


ELEVATION.
Horizontal Scale 1"=20'-0"
Vertical Scale 1"=10'-0"

Note: All dimensions are along face of wall.



TYPICAL SECTION
Looking East



PLAN.
Scale 1"=20'-0"

PROFILE GRADE & BASE LINE RAMP "N"

CURVE DATA

PI. Sta.	= 6+40.00
A	= 90°00'00"
Dc	= 26°38'57"
R	= 215.00
L	= 337.72
T	= 215.00

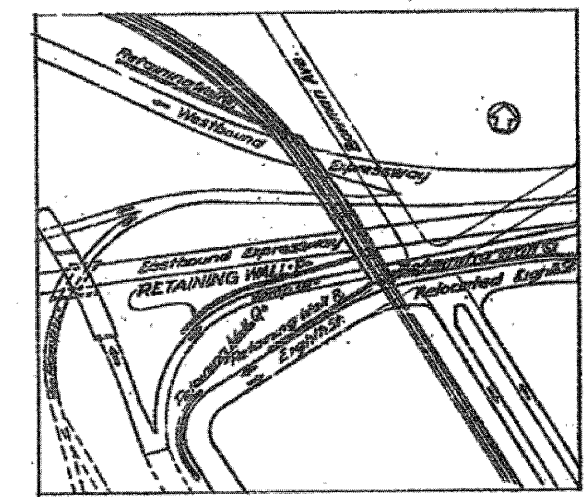
BILL OF MATERIALS		
Class X Concrete	Cu. Yds.	253.5
Reinforcement Bars	Lbs.	15,810
Perm. Creosoted Piles (Up to 20')	Lin. Ft.	1,640
Perm. Creosoted Piles (20' to 55')	Lin. Ft.	1,647
Test Piles (Timber)	Ea.	1
Class A Excavation for Structures	Cu. Yds.	203
Perf. Corr. Metal Pipe (8")	Lin. Ft.	337
Driving Timber Piles	Lin. Ft.	3,237
Metal Handrail	Lin. Ft.	326

GENERAL NOTES

Material and workmanship shall be in accordance with Standard Specifications for Road and Bridge Construction, State of Illinois, adopted January 2, 1958.
 DESIGN: - A.A.S.H.O. 1957 Specifications, except as noted below.
 Class X concrete shall be used throughout.
 EARTH PRESSURE: The horizontal pressure shall be that of fluid weighing 40 p.c.f. and the vertical pressure in such instance that of a fill weighing 120 p.c.f.
 PILES: They shall be timber piles with a minimum load capacity, as shown on the plans.
 TEST PILES: (Timber) shall be driven in permanent locations shown on the plans as directed by the engineer before ordering remainder of piles.
 The back of retaining walls shall be waterproofed from top of footing to ground surface in accordance with Article 51.21 of the Standard Specifications.

STRESSES:

f_c = 1000 psi. (Substructure with earth pressure)
 f_s = 20,000 p.s.i.
 n = 10
 v = 75 p.s.i.



LOCATION PLAN

Drawn by: E.W.
Checked by: A.T.

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BLDGS.
DIVISION OF HIGHWAYS
CITY OF EAST ST. LOUIS
EAST ST. LOUIS EXPRESSWAY

**RETAINING WALL "P"
GENERAL PLAN**

H. W. LOCHNER, INC.
ENGINEERS
DATE: JULY 1958 CHICAGO, ILLINOIS SHEET NO. 1