APPROVED

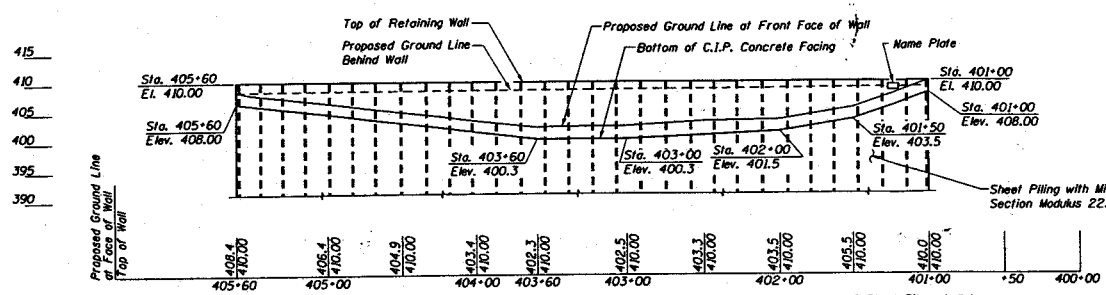
SEP 1 5 2003

AS A BASIS FOR
PREPARATION OF DETAILED PLANS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S. B. I. F. A. I-55	81-2, 82R	ST. CLAIR		
FED. ROAD DIST. NO. 8	ILLINOIS	FED. AID PROJECT-		

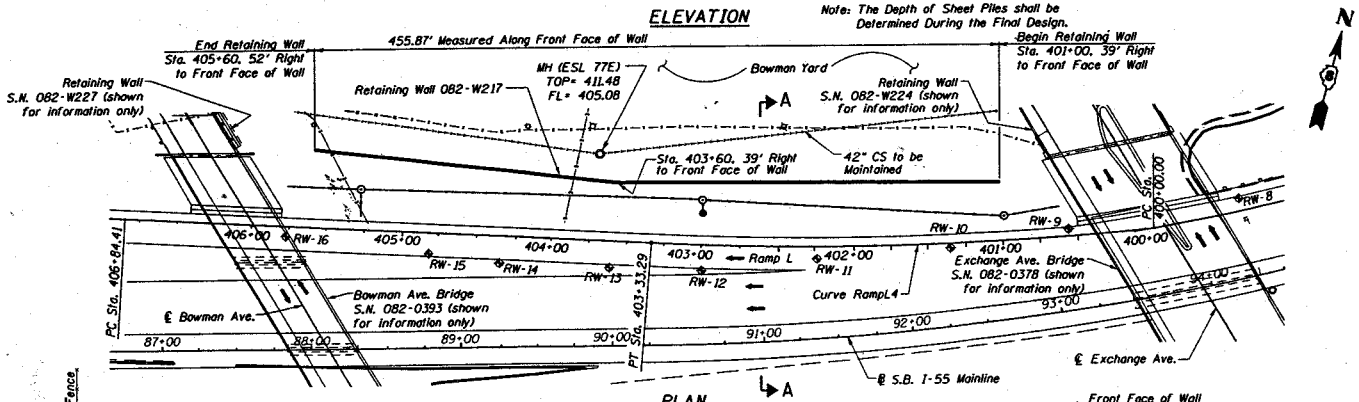
SHEET NO. 1
1 SHEETS

Bench Mark: Cut "x" on Northerly Flange nut Hydrant East side of Exchange Ave., 200' South of 7th St. Elevation 419.80
Existing Structure: None



ELEVATION

Note: The Depth of Sheet Piles shall be Determined During the Final Design.



PLAN

CURVE DATA

Curve RAMPL4
P.I. Sta.= 401+47.00
Δ= 9° 09' 55.60" (LT)
D= 2° 45' 00.01"
R= 2,083.48'
T= 167.00'
L= 333.29'
E= 6.68'
S.E.= 5.8%
S.E. Trans. Length =150.00'
T.R.= 0'
P.C. Sta.= 400+00.00
P.T. Sta.= 403+33.29
Attain S.E. = Match 5.8% S.E.
Used on I-55
Remove S.E. = Sta. 402+83.34
to Sta. 404+33.34

STATION/OFFSET TABLE

℄ of Ramp L Station	Offset (RT) to Front Face of Wall
Sta. 401+00	39.00'
Sta. 401+50	41.45'
Sta. 402+00	42.71'
Sta. 402+50	42.80'
Sta. 403+00	41.72'
Sta. 403+50	39.50'
Sta. 403+60	39.00'
Sta. 404+00	41.60'
Sta. 404+50	44.85'
Sta. 405+00	48.10'
Sta. 405+50	51.35'
Sta. 405+60	52.00'

DESIGN SPECIFICATIONS

2002 AASHTO Standard Specifications for Highway Bridges

DESIGN STRESSES

f'c = 3,500 psi
fy = 60,000 psi (Reinf.)
fy = 50,000 psi (Structural) (M270 Grade 50)

SEISMIC DATA

Seismic Performance Category (SPC)=B
Bedrock Acceleration Coefficient (A)=0.12 g
Site Coefficient (S)=1.5

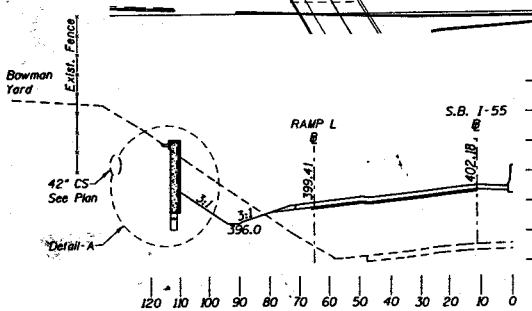
HIGHWAY CLASSIFICATION

F.A. Route I-55
Class: Interstate
DHV: 4,625 (2020)
ADT: 57,370 (2020)
ADTT: 1,720 (2020)
Design speed: 60 mph
Posted speed: 55 mph

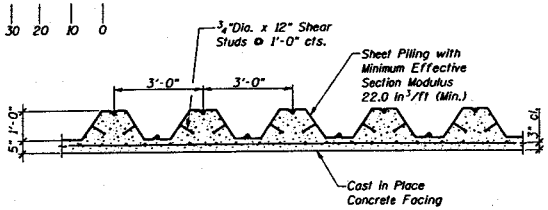
Ramp L
Class: Ramp
DHV: 11 (2020)
ADT: 110 (2020)
ADTT: 11 (2020)
Design speed: 30 mph

LEGEND

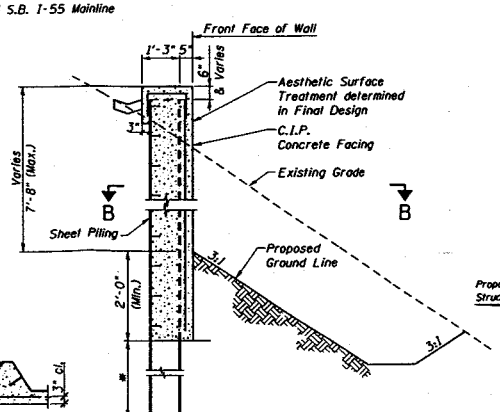
- Soil Boring
- Existing Combined Sewer
- Existing Manhole
- Existing Electric Line
- Catch Basin
- Manhole
- Storm Sewer



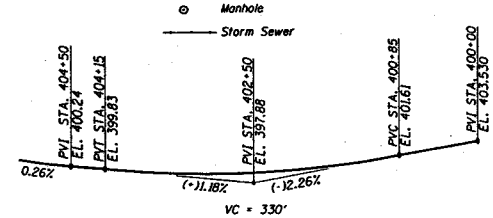
SECTION A-A
STA. 402+62.45



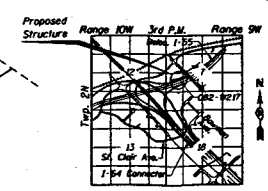
SECTION B-B



DETAIL-A



PROFILE GRADE - RAMP L



LOCATION SKETCH

DESIGNED	H.T.
CHECKED	M.R.
DRAWN	B.I.D.
CHECKED	M.R., H.T.

TYPE, SIZE & LOCATION GENERAL PLAN AND ELEVATION

RETAINING WALL 082-W217
ALONG S.B. I-55 RAMP L
F.A.I. ROUTE 55 SECTION 81-2, 82R
STA. 401+00 TO STA. 405+60

Scale: None | Date: September, 2003