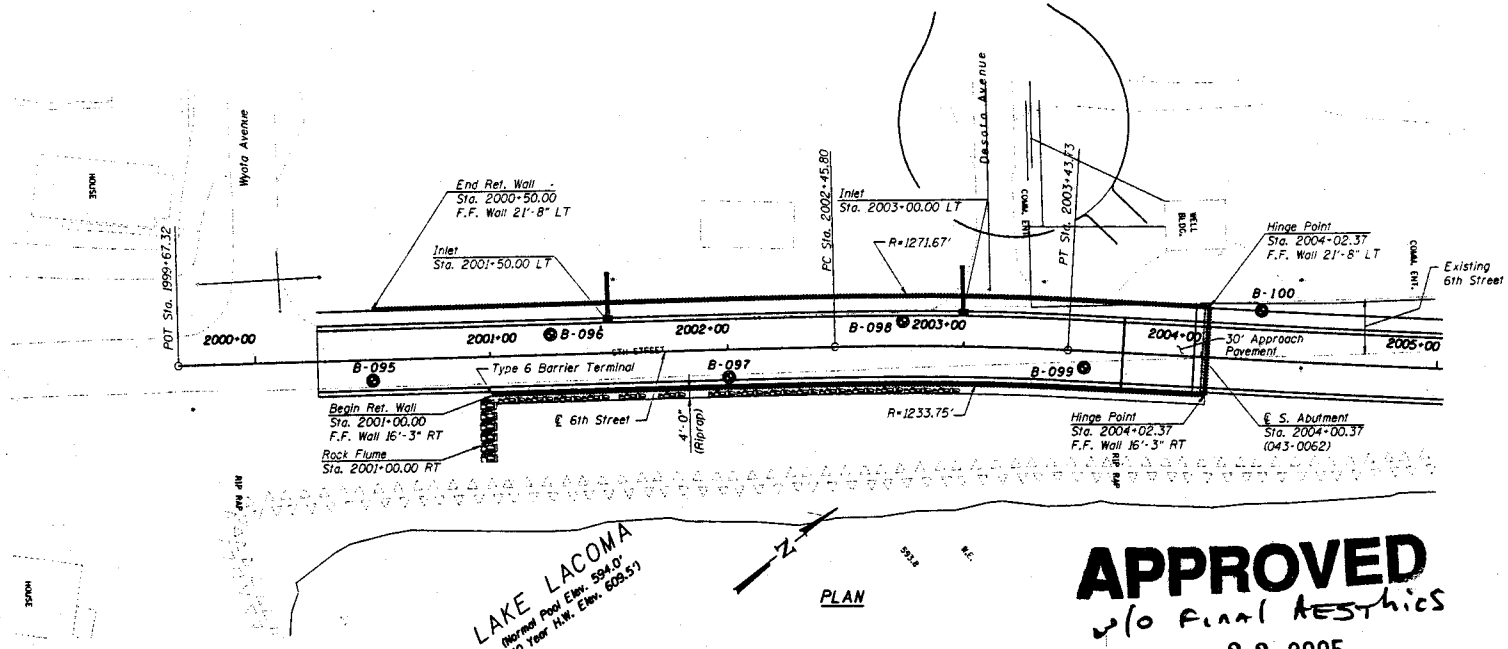
Construction Staging: Roadway will be closed during construction

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 301	28	Jo Daviess		
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 1
4 SHEETS



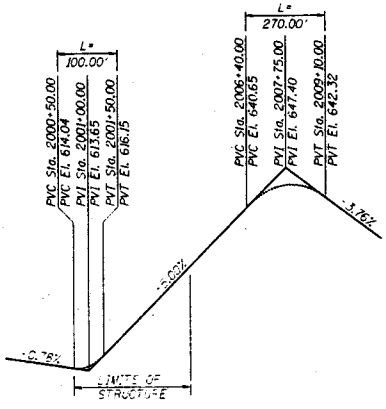
PLAN

APPROVED
w/o Final AESTHICS
FEB 23 2005

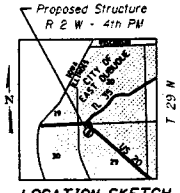
AS A BASIS FOR
PREPARATION OF DETAILED PLANS

LEGEND

- PROPOSED SOLDIER PILE WALL
- B-077 SOIL BORING LOCATION
- STORM WATER INLET



PROFILE GRADE
6th Street
(along ℄ Roadway)



LOCATION SKETCH

EXISTING STRUCTURE:

None

BENCHMARK:

#547 Chiseled square on well at SE corner of Menominee & 6th Street. El. 612.97

DESIGN SPECIFICATIONS:

2002 AASHTO Standard Specifications for Highway Bridges

DESIGN STRESSES:

Concrete, f'c: 3,500 psi
Reinforcement, fy: 60,000 psi
Soldier Pile, fy: 36,000 psi

LOADING HS20-44

Allow 50 psf for Future Wearing Surface

HIGHWAY CLASSIFICATION:

F.A.S. 1774 - (6th St.)
Functional Class: Urban Collector
ADT: 1545 (2005) ; 1960 (2025)
ADTT: 62 (2005) ; 79 (2025)
DHV: 186 (2005) ; 236 (2025)
Design Speed: 30 m.p.h.
Posted Speed: 30 m.p.h.

CURVE DATA - 6th STREET

PI STA. = 2002+94.79
Δ = 4° 29' 20" (RT)
D = 4° 35' 01"
R = 1,250.00'
T = 49.99'
L = 97.93'
E = 0.96'
e = NORMAL CROWN
P.C. STA = 2002+45.80
P.T. STA = 2003+43.73

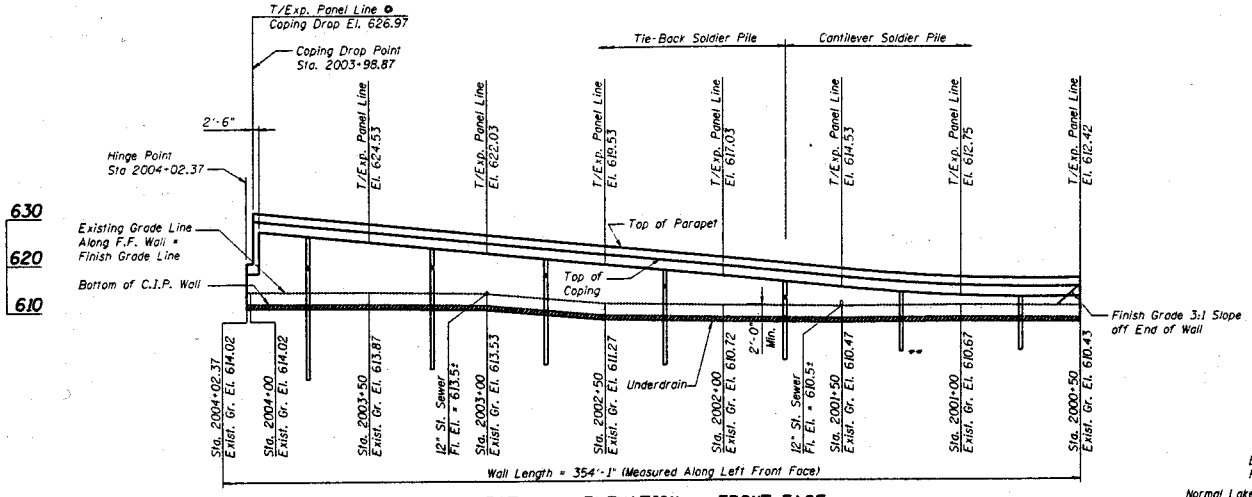
DESIGNED	J.W.N.
CHECKED	S.S.S.
DRAWN	J.W.N.
CHECKED	S.S.S.

GENERAL PLAN
TIED SOLDIER PILE RETAINING WALL
6TH STREET
STATION 2000+50 TO STATION 2004+02.37
JO DAVIESS COUNTY
STRUCTURE NO. 043-W004

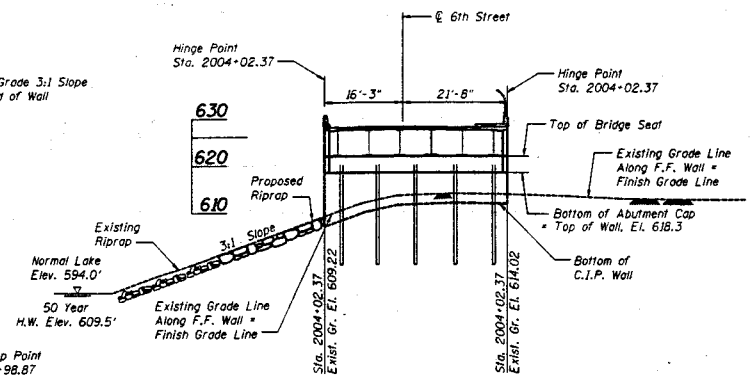
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 301	2B	Jo Daviess		

SHEET NO. 2
4 SHEETS

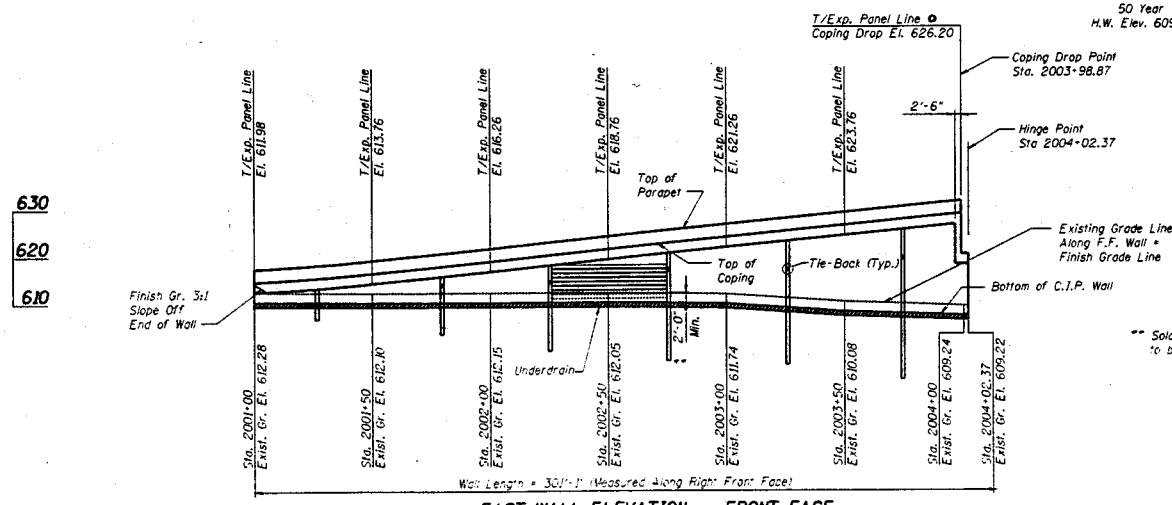


WEST WALL ELEVATION - FRONT FACE



WALL ELEVATION - ABUTMENT FACE

(Looking Downstation (South))



EAST WALL ELEVATION - FRONT FACE

** Soldier Pile type, spacing and tip elevation to be determined during final design

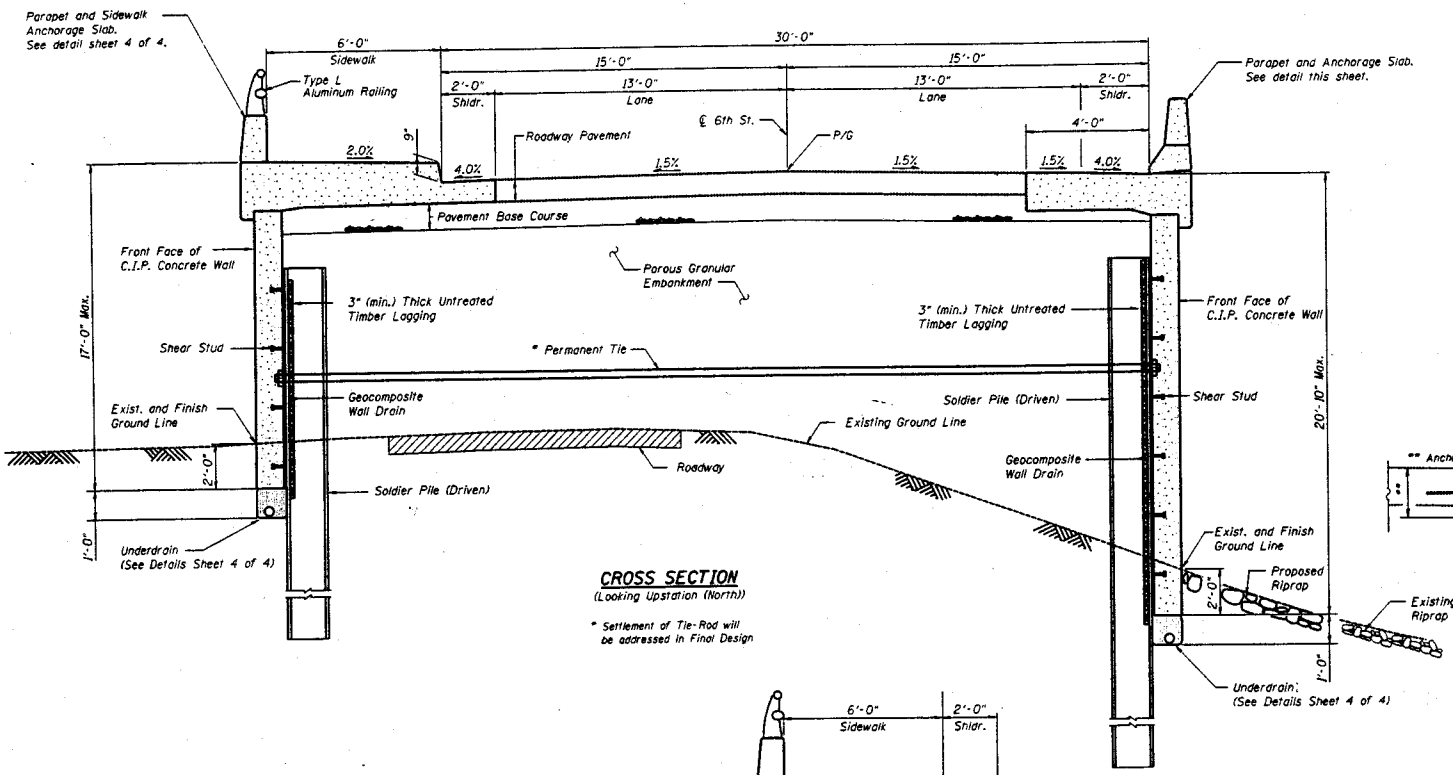
DESIGNED	J.M.N.
CHECKED	S.S.S.
DRAWN	J.M.N.
CHECKED	S.S.S.

ELEVATION
TIED SOLDIER PILE RETAINING WALL
6TH STREET
STATION 2000+50 TO STATION 2004+02.37
JO DAVIESS COUNTY
STRUCTURE NO. 043-W004

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 301	2B	Jo Daviess		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 3
4 SHEETS

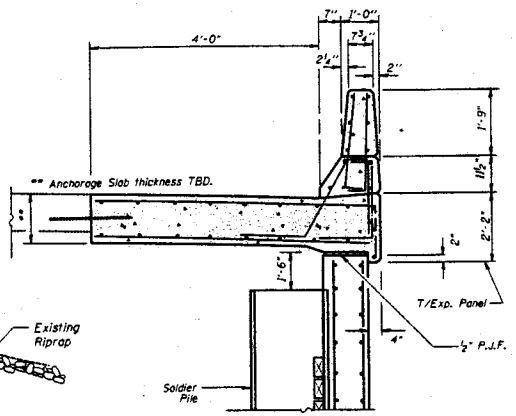
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



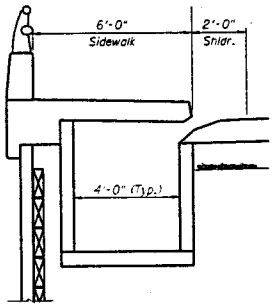
CROSS SECTION
(Looking Upstation (North))

* Settlement of Tie-Rod will be addressed in Final Design

Notes:
1. The number, size and spacing of Soldier Piles are to be determined in the final design.
2. Wall alignment offsets are referenced to front face of wall. See typical section this sheet.
3. Aesthetic detailed during the final design will incoporate necessary expansion joints in the C.I.P. Concrete wall.
4. Elevation and number of tie-rods to be refined in design.



PARAPET AND ANCHORAGE SLAB DETAIL



SECTION THRU ℄ INLET

DESIGNED	J.M.N.
CHECKED	S.S.S.
DRAWN	J.M.N.
CHECKED	S.S.S.

TYPICAL SECTIONS AND DETAILS
TIED SOLDIER PILE RETAINING WALL
6TH STREET
STATION 2000+50 TO STATION 2004+02.37
JO DAVIESS COUNTY
STRUCTURE NO. 043-W004