

Bench Mark: B.M. R.R. Spike in Power Pole at Sta. 306+49.50, 61.5' Lt. Elevation = 635.87.

Existing Structure: None

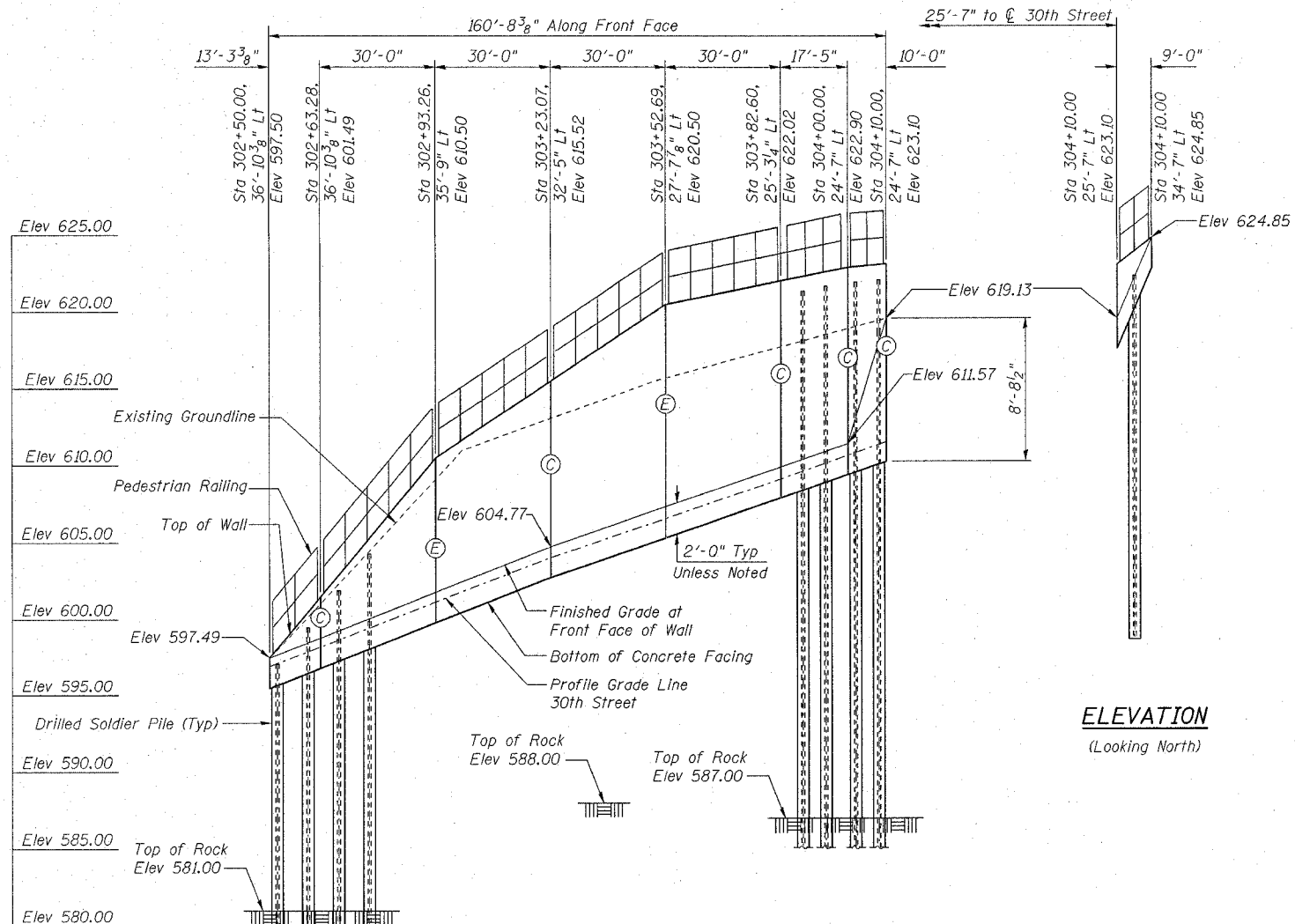
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET	SHEET NO.
595	I-1	ROCK ISLAND	239	133
FED. ROAD DIST. NO. 2		ILLINOIS	FED. AID PROJECT	
Contract No. 84986				

DESIGN SPECIFICATIONS
2002 AASHTO

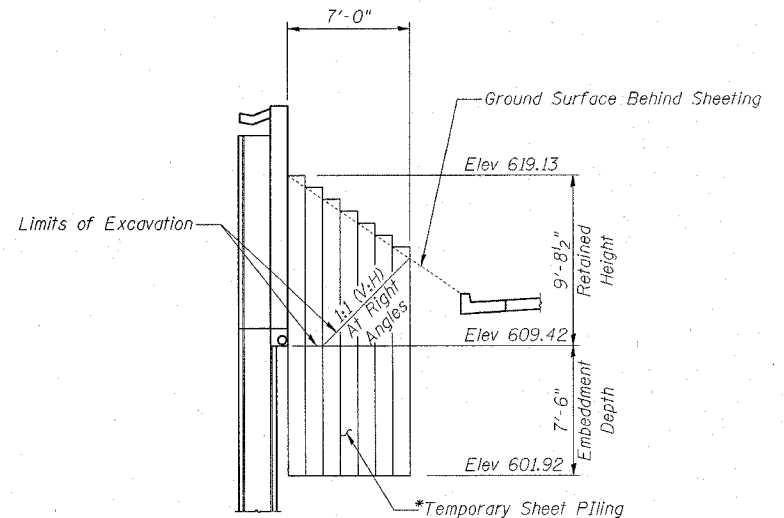
DESIGN STRESSES

FIELD UNITS
 $f'_c = 3,500$ psi (Cast-in-Place Wall Facing)
 $f'_c = 4,000$ psi (Soldier Pile Encasement Concrete)
 $f_y = 60,000$ psi (reinforcement)
 $f_y = 50,000$ psi (structural steel)



ELEVATION
(Looking West)

(Stations, Offsets and Elevations shown are at vertical kink points along the Front Face Top of Wall)



SECTION A-A

*Minimum required section modulus per linear Foot of Sheet Piling = 5.8 in³/ft

LEGEND

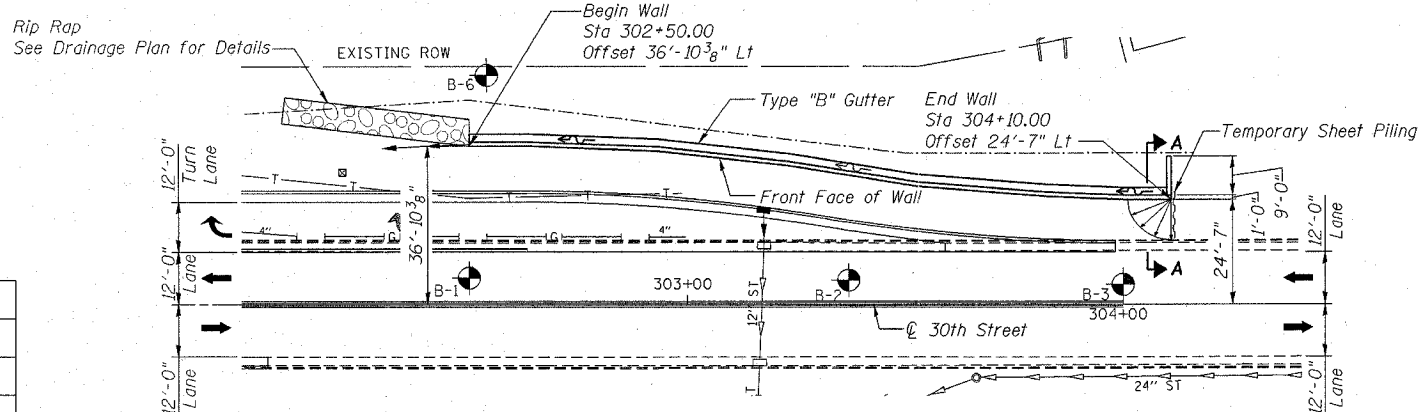
- ⊙ Construction Joint
- ⊕ Expansion Joint
- 4" Existing 4" Gas
- 24" ST Existing 12" or 24" Storm
- B-4 Soil Boring Location
- Existing Telephone
- Proposed Storm Sewer

APPROVED
FOR STRUCTURAL ADEQUACY ONLY

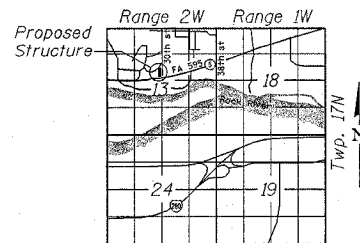
Ralph E. Adams
ENGINEER OF BRIDGES AND STRUCTURES



EXPIRATION DATE: 11-30-06
DATE: 2/1/06



PLAN



LOCATION SKETCH

Illinois Firm Registration No. 084-00533

850 West Higgins Road, Suite 730, Chicago, Illinois 60639-2808
www.stanleygroup.com

GENERAL PLAN AND ELEVATION
RETAINING WALL E ALONG
30TH STREET
FA 595 (IL ROUTE 5) SECTION I-1
ROCK ISLAND COUNTY
STA 302+50.00 TO STA 304+10.00
STRUCTURE NO. 081-W007

DESIGNED	NDR
CHECKED	DSE
DRAWN	RTT
CHECKED	DSE
DATE	JAN 31, 2006