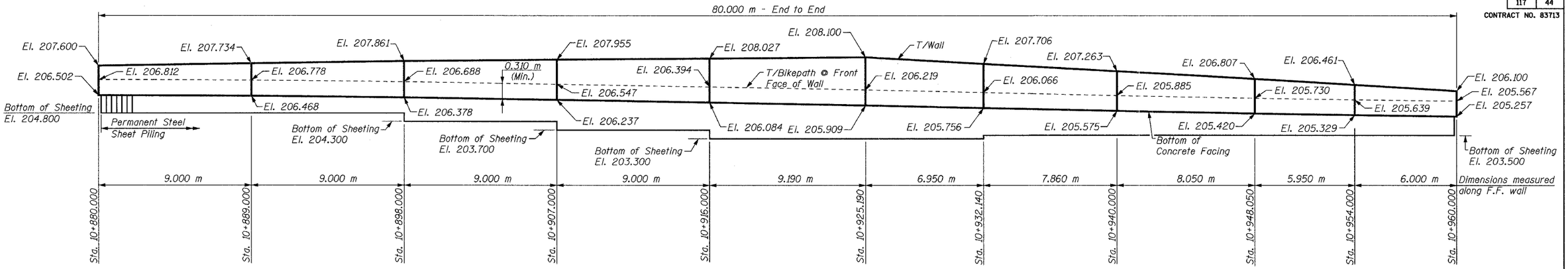
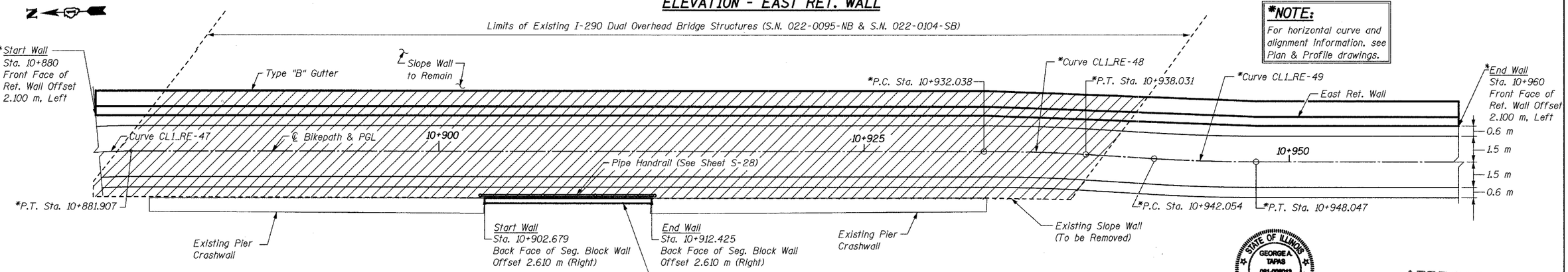
TOTAL SHEETS	SHEET NO.
117	44

CONTRACT NO. 83713

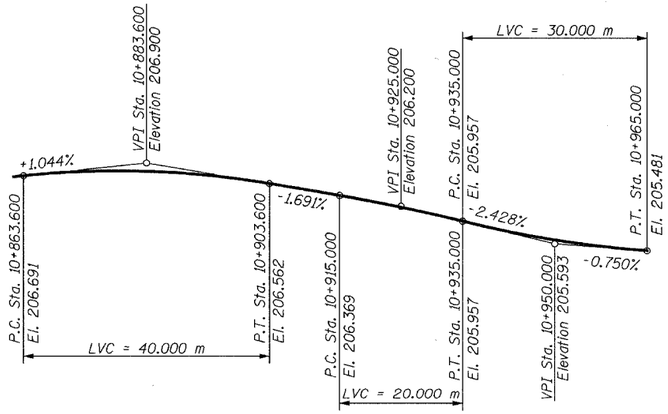


ELEVATION - EAST RET. WALL



PLAN

***NOTE:**
For horizontal curve and alignment information, see Plan & Profile drawings.



PROFILE GRADE

DESIGN LOADING

Equivalent Fluid Lateral Soil Pressure
6.3 kN/Cu. M

DESIGN STRESSES

f'c = 24 MPa
fy = 400 MPa (Reinf.)
fy = 270 MPa (Sheet Piling)

LEGEND

Slope Wall Removal

DESIGN SPECIFICATIONS

2002 AASHTO Standard Specifications for Highway Bridges, 17th Edition.

Illinois Department of Transportation Standard Specifications for Road & Bridge Construction, adopted January 1, 2002 and Supplemental Specifications and Recurring Special adopted January 1, 2004.

TOTAL BILL OF MATERIAL

Item	Unit	Quantity
Concrete Structures	Cu. M	46.6
Reinforcement Bars, Epoxy Coated	kg	2,590
Structure Excavation	Cu. M	15.1
Permanent Steel Sheet Piling	Sq. M	284
Slope Wall Removal	Sq. M	345
Pipe Handrail	Meter	10
Segmental Concrete Block Wall	Sq. M	15

GENERAL NOTES:

1. Reinforcement bars shall conform to the requirements of AASHTO M 31M, M 42M or M 53M Grade 400.
2. Plan dimensions and details relative to existing structure have been taken from existing plans and are subject to nominal construction variations. It shall be the Contractor's responsibility to verify such dimensions and details in the field and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in the scope of work: however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
3. Steel sheet piling shall conform to the requirements of Section 1006.05 of the Standard Specifications.
4. If the Contractor chooses to alter the sheet piling design requirements shown on the plans for lesser design requirements, then full design submittal including plan details and sealed calculations will be required for review and acceptance by the Engineer.
5. All dimensions are in millimeters (mm) except as noted.
6. For Soil Boring Logs, see Special Provisions.
7. Any pre-excavation carried out for placement of the sheet piling shall not extend below the bottom of concrete facing elevation.

STATE OF ILLINOIS
GEORGE A TAPAS
081-008013
CHICAGO, IL
LICENSED STRUCTURAL ENGINEER

Signature: _____
Current Date: 7/21/05
License Expires: 11/30/06

"I certify that to the best of my knowledge, information and belief, this retaining wall design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with the requirements of the current 'AASHTO Standard Specifications for Highway Bridges'."

APPROVED
FOR STRUCTURAL ADEQUACY ONLY
Ralph E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES

SHEET S3 of S28

REVISIONS	
NAME	DATE

URS
1701 GOLF ROAD, SUITE 1000
ROLLING MEADOWS, IL 60008
TEL (847) 228-0707
FAX (847) 228-1115

VILLAGE OF ADDISON

SALT CREEK GREENWAY TRAIL

RET. WALL STA. 10+880 TO 10+960

GENERAL PLAN AND ELEVATION

DATE: 06/30/05
DESIGNED BY: MDS
DRAWN BY: MDS
CHECKED BY: GAT