

B. M. #49 : Southwest base bolt on aluminum light pole, north side of WB lanes, I-74 and 30 m± west of bridge, War Memorial Drive spur over I-74, El. 190.771 m  
 B. M. #3001 : Chiseled "□" on concrete sign base (I-74 - Bloomington/Galesburg) on west side of War Memorial Drive spur, El. 198.767 m  
 Construction Staging: Single Stage Construction

ROUTE NO.	SECT.	COUNTY	SHEET NO.	TOTAL SHEETS
F.A.I. 74	(72-7) R-3	PEORIA	625	1360
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

**DESIGN SPECIFICATIONS**  
 1996 AASHTO With 1997 Through 2002 Interims

**CURVE DATA**

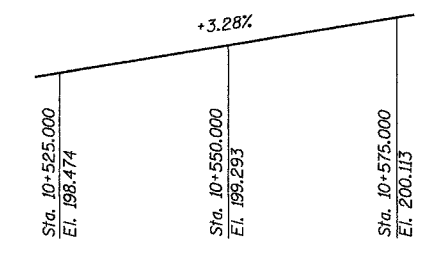
**RAMP B-6 CURVE 260**  
 PI Sta. 10+030.227  
 $\Delta = 17^\circ 11' 19''$  (RT)  
 T = 30.227 m  
 R = 200.000 m  
 L = 60.000 m  
 E = 2.271 m  
 Transition In Turning Roadway  
 Transition Out Sta. 10+027 to 10+060  
 SE = 2.52%  
 PC Sta. 10+000.000  
 PCC Sta. 10+060.000

**RAMP B-6 CURVE 261**  
 PI Sta. 10+080.272  
 $\Delta = 18^\circ 25' 26''$  (RT)  
 T = 20.272 m  
 R = 125.000 m  
 L = 40.195 m  
 E = 1.633 m  
 Transition In 10+060 to 10+076  
 Transition Out N/A  
 SE = 8.000%  
 PCC Sta. 10+060.000  
 PCC Sta. 10+100.195

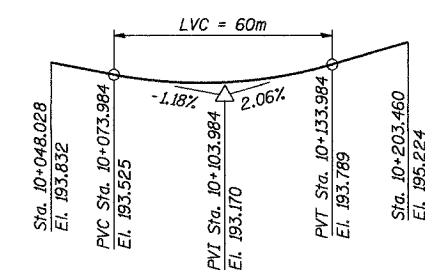
**RAMP B-6 CURVE 262**  
 PI Sta. 10+114.596  
 $\Delta = 19^\circ 13' 55''$  (RT)  
 T = 14.401 m  
 R = 85.000 m  
 L = 28.531 m  
 E = 1.211 m  
 Transition In N/A  
 Transition Out 10+107 to 10+167  
 SE = 8.0%  
 PCC Sta. 10+100.195  
 PT Sta. 10+128.726

**DESIGN STRESSES**

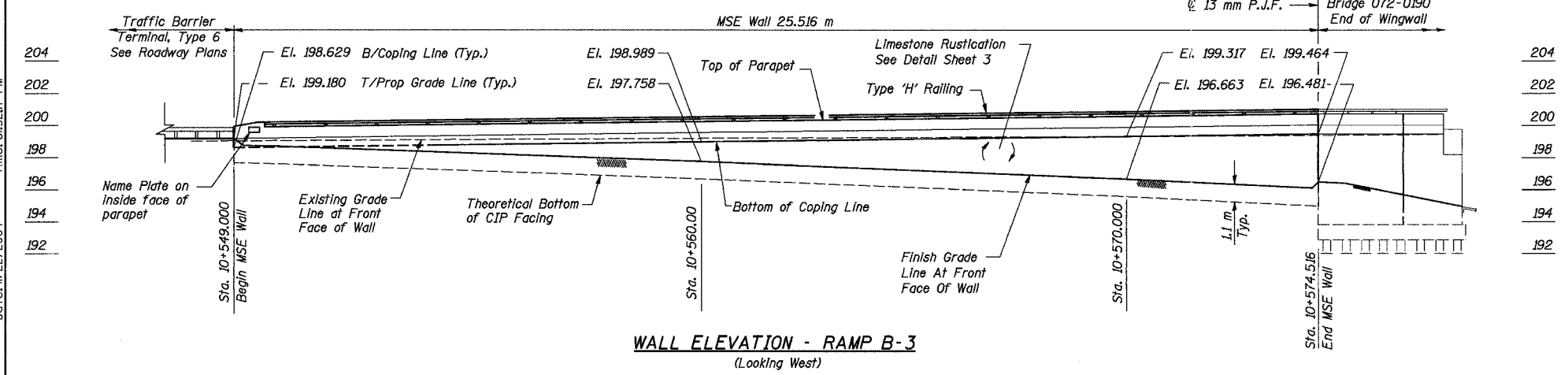
**FIELD UNITS**  
 $f'c = 24$  MPa  
 $f_y = 400$  MPa (Reinf.)



**PROFILE GRADE RAMP B-3**  
 (Along @ Ramp B-3)



**PROFILE GRADE RAMP B-6**  
 (Along @ Ramp B-6)

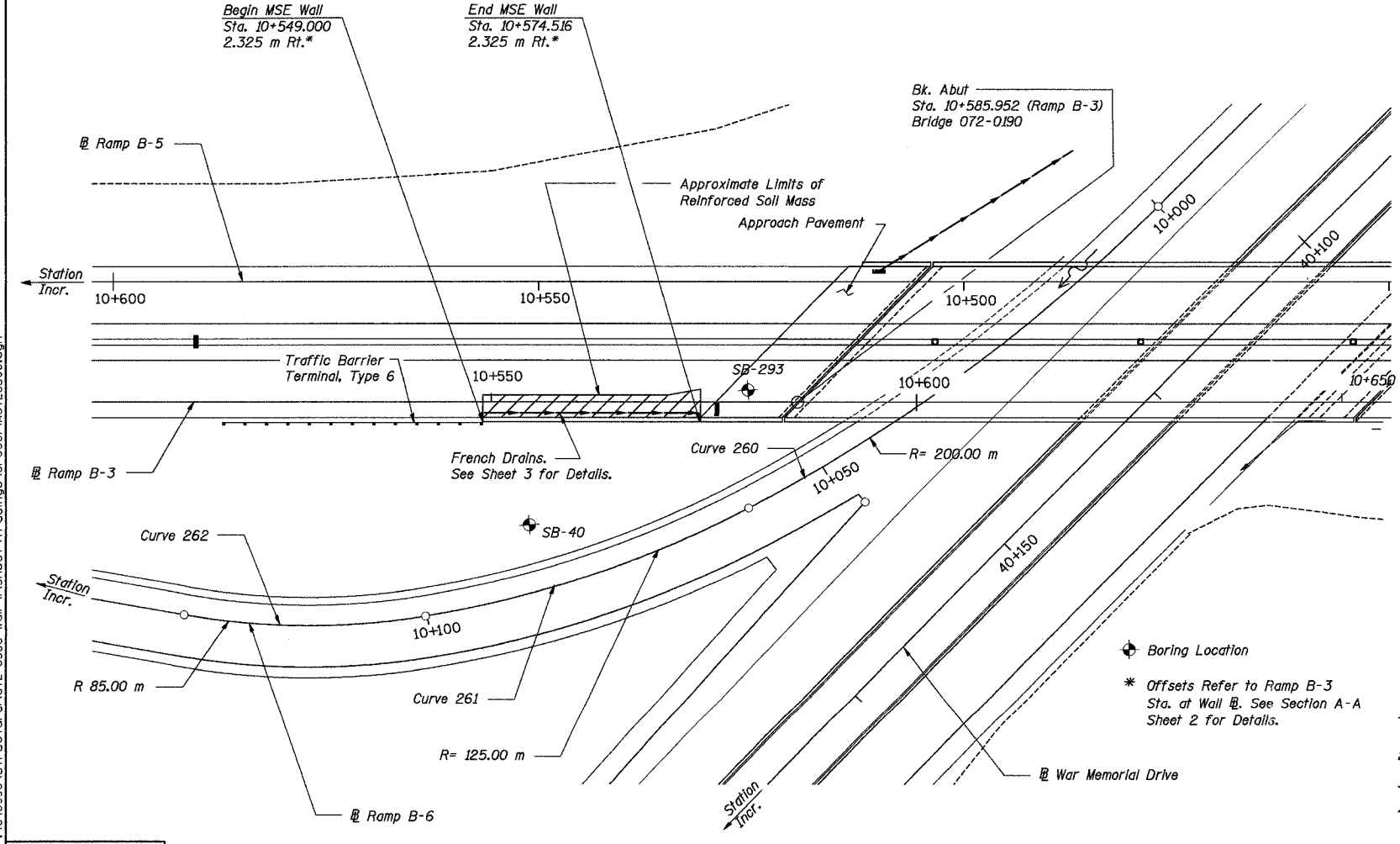


**WALL ELEVATION - RAMP B-3**  
 (Looking West)

STA. 10+549.000 - STA. 10+574.516  
 BUILT 200\_ BY  
 STATE OF ILLINOIS  
 F.A.I. RT. 74 SEC (72-7)R-3  
 STR. NO. 072-8560

**NAME PLATE**  
 See Std. 515001

Note: Wall Drainage System shall connect to Bridge 072-0190 abutment drainage.



**PLAN**

**INDEX OF SHEETS**

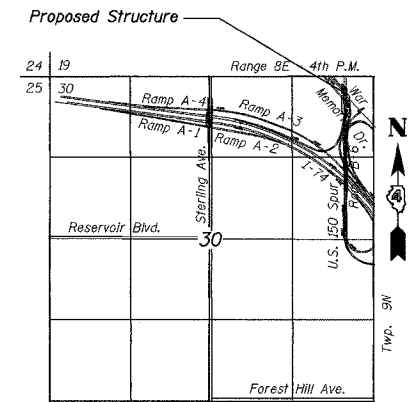
- General Plan and Elevation
- Anchorage Slab and Parapet Reinforcing Details
- Typical Sections and Misc. Details
- Railing Details - Single Rail
- Boring Logs I
- Boring Logs II

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	TOTAL
Name Plates	Each	1
French Drains	m <sup>3</sup>	4.6
Structure Excavation	m <sup>3</sup>	179
Concrete Structures	m <sup>3</sup>	21.8
Concrete Superstructure	m <sup>3</sup>	6.3
Reinforcement Bars, Epoxy Coated	kg	3320
Form Liner Limestone Surface	m <sup>2</sup>	79
Aluminum Railing, Type H, Special	m	24
Mechanically Stabilized Earth Retaining Wall with Cast-In-Place Facing	m <sup>2</sup>	67

**GENERAL NOTES**

- Reinforcement bars shall conform to the requirements of AASHTO M 31M or M 322M Grade 400.
- All dimensions are in millimeters (mm) except as noted.
- All construction joints shall be bonded.
- See Special Provision for Mechanically Stabilized Earth Retaining Walls with C.I.P. Facing for design and construction requirements.
- The MSE wall supplier's internal stability design shall account for the anchorage slab bearing pressure surcharge and a horizontal sliding force of 7.3 kN/m of wall.



**LOCATION SKETCH**



REVISION	DATE	DESCRIPTION
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		
GENERAL PLAN AND ELEVATION		
WALL NO. 11 - RAMP B-3 F.A.I. ROUTE 74 SECTION (72-7)R-3 PEORIA COUNTY STATION 10+549.000 TO 10+574.516 (RAMP B-3) STRUCTURE NUMBER 072-8560		
PARSONS TRANSPORTATION GROUP CHICAGO, ILLINOIS		
DRAWING NO. 1	SCALE N.T.S.	DATE 6/25/04
		SHEET NO. 1

Date: 11/22/2004

File: P:\643996\Structural\072-8560-Wall\Sheet\Tracings\OP0001-A0728560.dgn

Designed by: EI/WEE  
 Checked by: WEE/AK  
 Drafted by: WEE  
 Checked by: AK