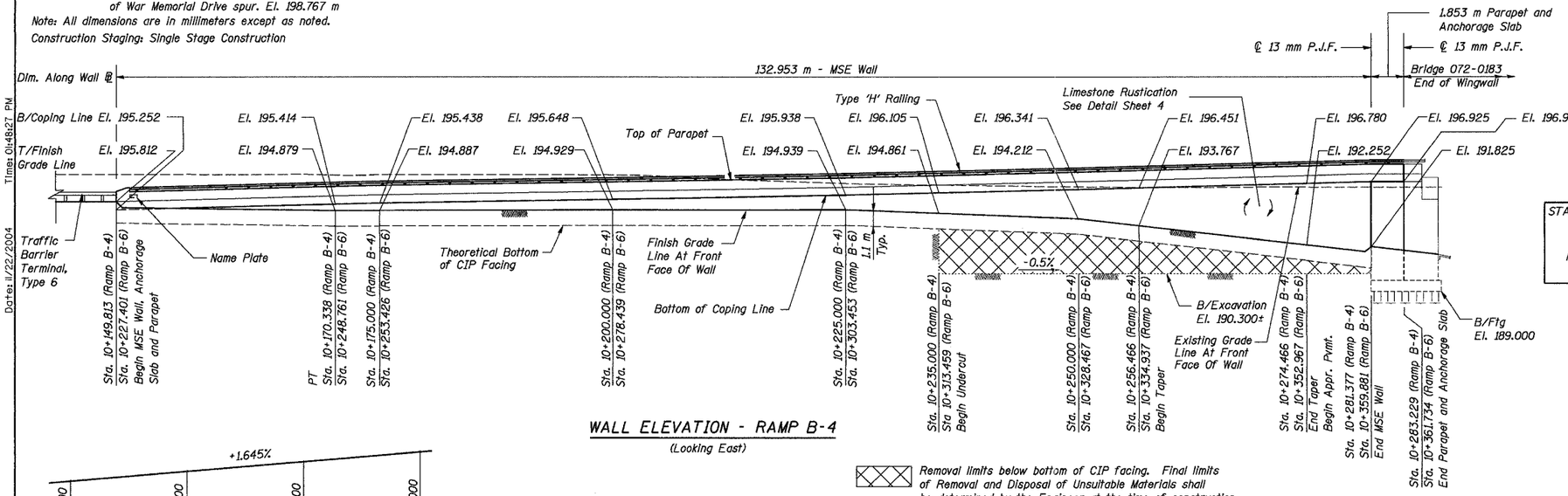
B. M. #49 : Southwest base bolt on aluminum light pole, north side of WB lanes, I-74 and 30 m± west of bridge, War Memorial Drive spur over I-74, El. 190.771 m

B. M. #3001 : Chiseled " □ " on concrete sign base (I-74 - Bloomington/Galesburg) on west side of War Memorial Drive spur. El. 198.767 m

Note: All dimensions are in millimeters except as noted.

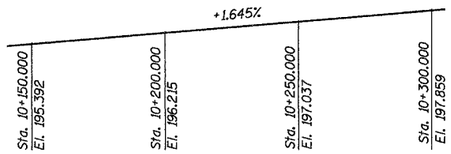
Construction Staging: Single Stage Construction



WALL ELEVATION - RAMP B-4

(Looking East)

Removal limits below bottom of CIP facing. Final limits of Removal and Disposal of Unsuitable Materials shall be determined by the Engineer at the time of construction.



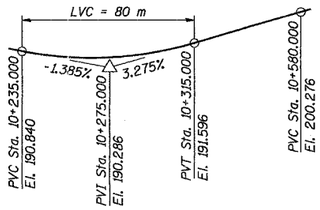
PROFILE GRADE RAMP B-4

(Along ℄ Ramp B-4)

Note: P.G. Ramp B-6 dependent on Ramp B-4

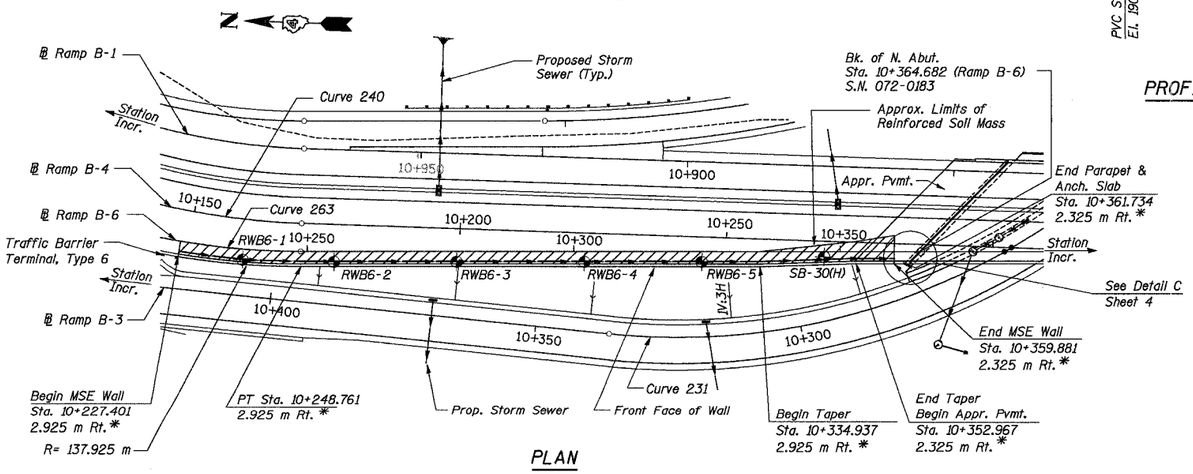
GENERAL NOTES

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



PROFILE GRADE RAMP B-3

(Along ℄ Ramp B-3)



PLAN

* Offsets Refer to Ramp B-6 Sta. at Wall ℄. See Typical Sections for Details.

Boring Location

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

Filename=P:\643996\structural\072-8559-Wall #0\sheet\Tracings\GP0001-IA0728559.dgn

Time: 04:49:27 PM

Date: 11/22/2004

ROUTE NO.	SECT.	COUNTY	SHEET NO.	TOTAL SHEETS
F.A.I. 74	(72-7) R-3	PEORIA	615	1360
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. 68200

DESIGN SPECIFICATIONS

1996 AASHTO With 1997 Through 2002 Interims

DESIGN STRESSES

FIELD UNITS

f'c = 24 MPa

fy = 400 MPa (Reinf.)

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. 072-8559

NAME PLATE

See Std. 515001

CURVE DATA

RAMP B-3 CURVE 231
PI Sta. 10+287.126
Δ = 47° 56' 01" (RT)
T = 55.567 m
R = 125.000 m
L = 104.575 m
E = 11.794 m
SE = 8.000%
Transition In 10+196 to 10+249
Transition Out 10+319 to 10+372
PC Sta. 10+231.559
PT Sta. 10+336.134

RAMP B-4 CURVE 240
PI Sta. 10+098.757
Δ = 72° 44' 44" (LT)
T = 98.757 m
R = 134.085 m
L = 170.241 m
E = 32.444 m
Transition In 10+013 to 10+075
Transition Out 10+153 to 10+230
SE = -7.900%
PC Sta. 10+000.000
PT Sta. 10+170.241

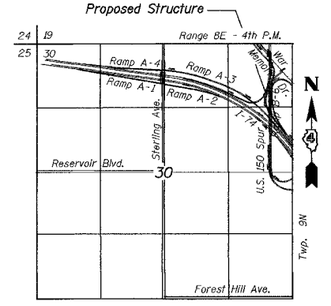
RAMP B-6 CURVE 263
PI Sta. 10+230.221
Δ = 15° 50' 19" (LT)
T = 18.779 m
R = 135.000 m
L = 37.319 m
E = 1.300 m
Transition In 10+167 to 10+232
Transition Out 10+232 to 10+309
SE = -7.900%
PC Sta. 10+211.442
PT Sta. 10+248.760

INDEX OF SHEETS

1. General Plan and Elevation
2. Anchorage Slab and Parapet Reinforcing Details I
3. Anchorage Slab and Parapet Reinforcing Details II
4. Typical Sections and Misc. Details
5. Railing Details - Single Rail
6. Boring Logs I
7. Boring Logs II
8. Boring Logs III
9. Boring Logs IV
10. Boring Logs V

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Name Plates	Each	1
Removal and Disposal of Unsuitable Material	m^3	810
Porous Granular Embankment	m^3	810
French Drains	m^3	23.9
Structure Excavation	m^3	1215
Concrete Structures	m^3	126.6
Concrete Superstructure	m^3	33.0
Reinforcement Bars, Epoxy Coated	kg	19470
Form Liner Limestone Surface	m^2	401
Aluminum Railing, Type H, Special	m	133.5
Mechanically Stabilized Earth Retaining Wall with Cast-In-Place Facing	m^2	342



LOCATION SKETCH

REVISION	DATE	DESCRIPTION

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION

WALL NO. 10 - RAMP B-4
F.A.I. ROUTE 74 SECTION (72-7)R-3
PEORIA COUNTY
STA. 10+149.813 TO STA 10+281.377 (RAMP B-4)
STRUCTURE NUMBER 072-8559

PARSONS TRANSPORTATION GROUP
CHICAGO, ILLINOIS

DRAWING NO.	SCALE	DATE	SHEET NO.
1	N.T.S.	6/25/04	1