

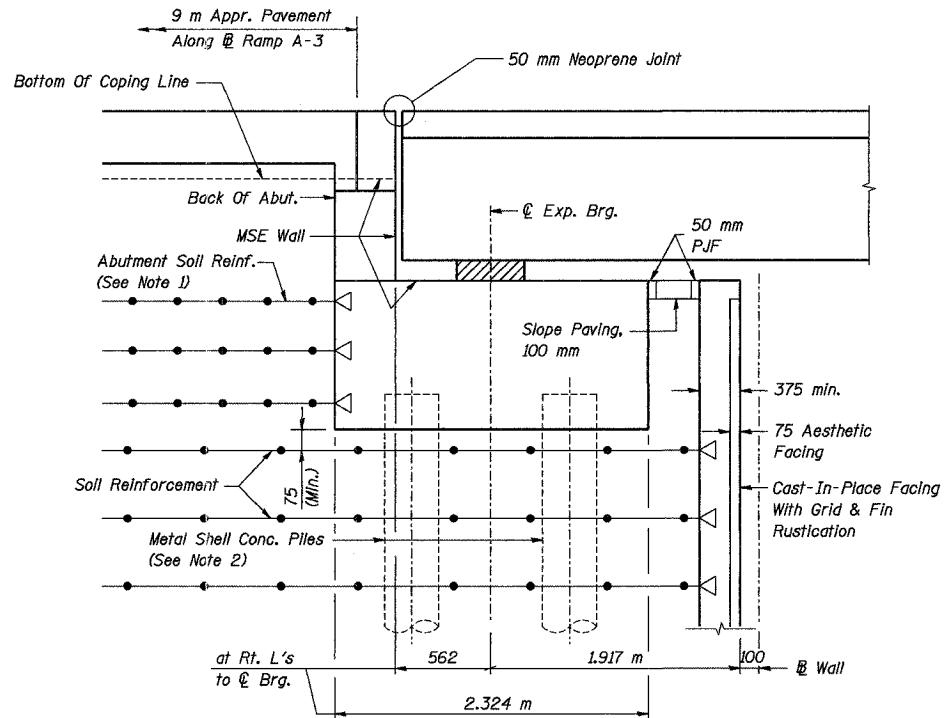
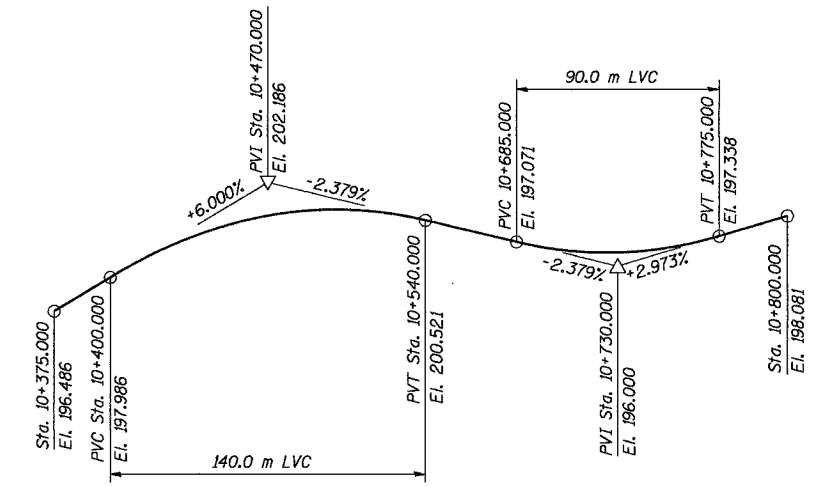
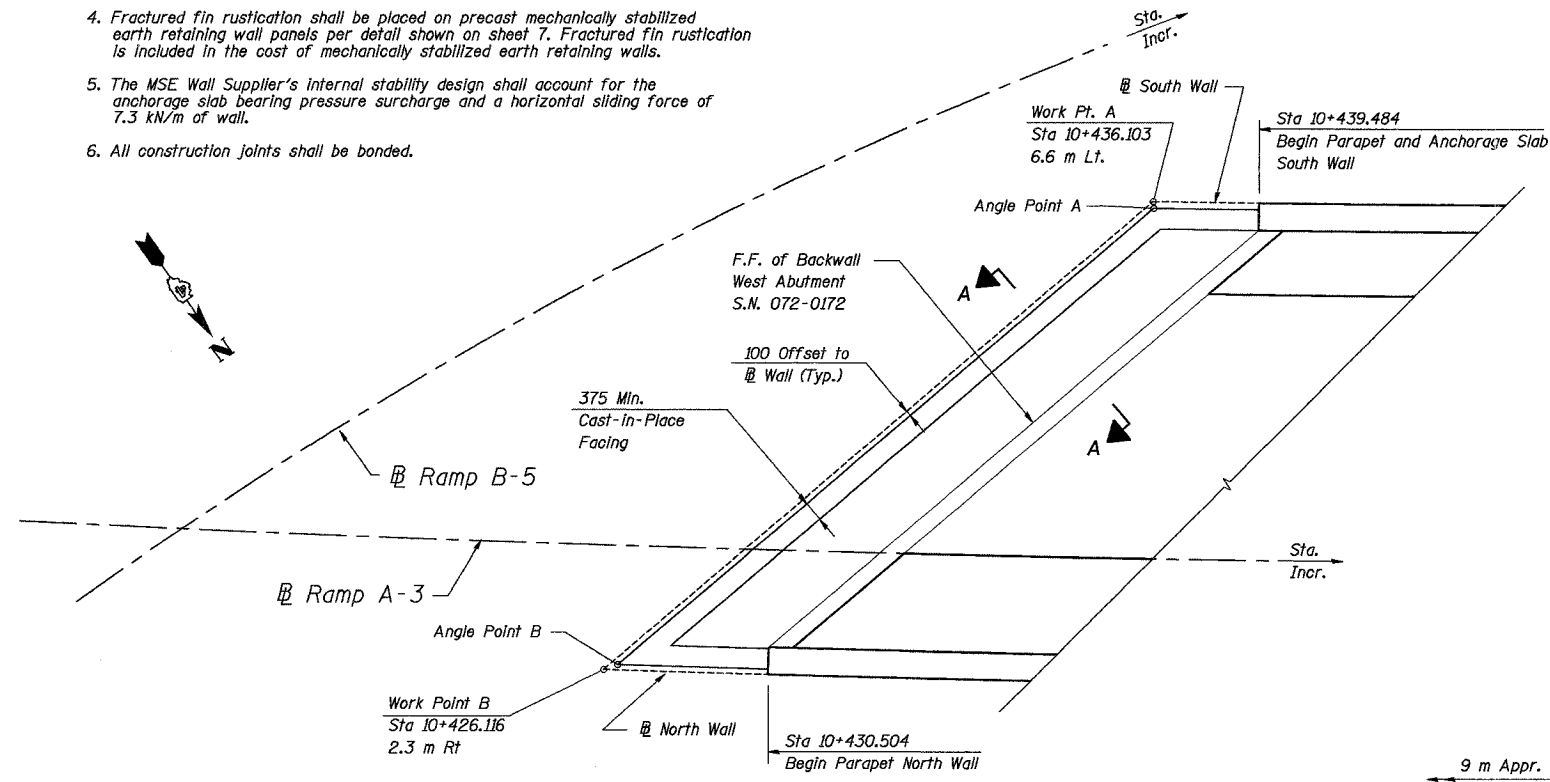
ROUTE NO.	SECT.	COUNTY	SHEET NO.	TOTAL SHEETS
F.A.I. 74	(72-7) R-3	PEORIA	578	1360
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT	CONTRACT NO. 68200	

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- | | |
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GENERAL NOTES

- Reinforcement bars shall conform to the requirements of AASHTO M 31M, M 322M Grade 400.
- All dimensions are in millimeters (mm) except as noted.
- See Special Provisions for Mechanically Stabilized Earth Retaining Wall design and construction requirements.
- Fractured fin rustication shall be placed on precast mechanically stabilized earth retaining wall panels per detail shown on sheet 7. Fractured fin rustication is included in the cost of mechanically stabilized earth retaining walls.
- 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.
- All construction joints shall be bonded.



CURVE DATA

RAMP A-3 CURVE I31	RAMP A-3 CURVE I32
$\Delta = 11^\circ 59' 18''$	$\Delta = 14^\circ 36' 00''$
$R = 605.000 \text{ m}$	$R = 1205.001 \text{ m}$
$T = 63.526 \text{ m}$	$T = 154.365 \text{ m}$
$L = 126.588 \text{ m}$	$L = 307.058 \text{ m}$
$E = 3.326 \text{ m}$	$E = 9.847 \text{ m}$
$PC = \text{Sta. } 10+377.679$	$PCC = \text{Sta. } 10+504.267$
$PI = \text{Sta. } 10+441.205$	$PI = \text{Sta. } 10+658.632$
$PCC = \text{Sta. } 10+504.267$	$PT = \text{Sta. } 10+811.325$
$S.E. = -3.4 \%$	$S.E. = -1.5 \%$
Transition In N/A	Transition In 10+504
Transition Out 10+499	Transition Out 10+515
	to 10+504
	Transition Out N/A

- Notes on West abutment S.N. 072-0172:
- The MSE Wall Supplier to Design the Abutment soil reinforcement to resist a horizontal force of 30 kn/m of abutment parallel to Ramp A-3 and 21 kn/m of abutment perpendicular to Ramp A-3.
 - Precore Piles to 3.0 m below base of MSE Material. Piles must be driven prior to placement of MSE. Coat Piles above existing ground with 6 mm min. thickness of either asphaltic cement or S.C. or M.C. liquid asphalt, See Bridge Plans.

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Name Plates	Each	1
Porous Granular Embankment	m ³	13,902
Concrete Structures	m ³	388.0
Concrete Superstructure	m ³	131.9
Reinforcement Bars, Epoxy Coated	kg	58,660
French Drains	m ³	18.3
Form Liner Limestone Surface	m ²	112
Form Liner Grid and Fin Surface	m ²	714
Mechanically Stabilized Earth Retaining Wall	m ²	1549
Mechanically Stabilized Earth Retaining Wall with C.I.P. Facing	m ²	996

REVISION	DATE	DESCRIPTION
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		
GENERAL NOTES, TOTAL BILL OF MATERIAL, MISC. DETAILS		
MSE WALL NO. 8 - RAMP A-3 F.A.I. ROUTE 74 SECTION (72-7) R-3 PEORIA COUNTY STA. 10+426.116 TO STA. 10+673.439 (RAMP A-3) STRUCTURE NUMBER 072-8556		
PARSONS TRANSPORTATION GROUP CHICAGO, ILLINOIS		
DRAWING NO. 2	SCALE N.T.S.	DATE 6-25-04
		SHEET NO. 2

Time: 11:54:51 AM
 Date: 11/22/2004
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Designed by: WEE
 Checked by: AK/CTJ
 Drafted by: RKS
 Checked by: AK/CTJ