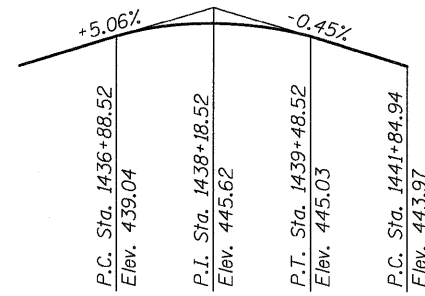
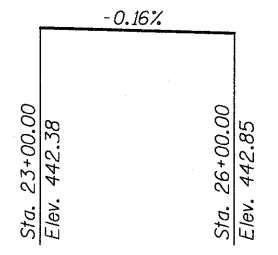


LVC = 1,250'
PROFILE GRADE
(along Prop. I-270 WB & EB P.G.L.)

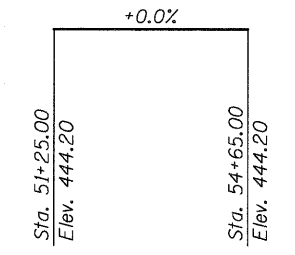


LVC = 260'
PROFILE GRADE
(along Relocated Waterworks Rd)

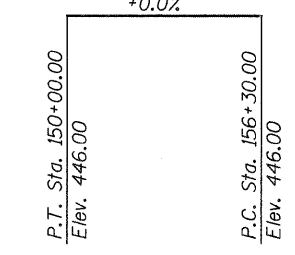
CURVE DATA
Prop. Curve PR-WR-5
 $\Delta = 57^\circ 58' 38''$ (RT)
 $D = 23^\circ 52' 24''$
 $R = 240.00'$
 $T = 132.97'$
 $L = 242.86'$
 $E = 34.37'$
 $e = N/A$
 $T.R. = N/A$
 $S.E. RUN = N/A$
 $P.C. Sta. = 1437+45.83$
 $P.T. STA. = 1439+88.69$
 $PI Sta. = 1438+78.81$



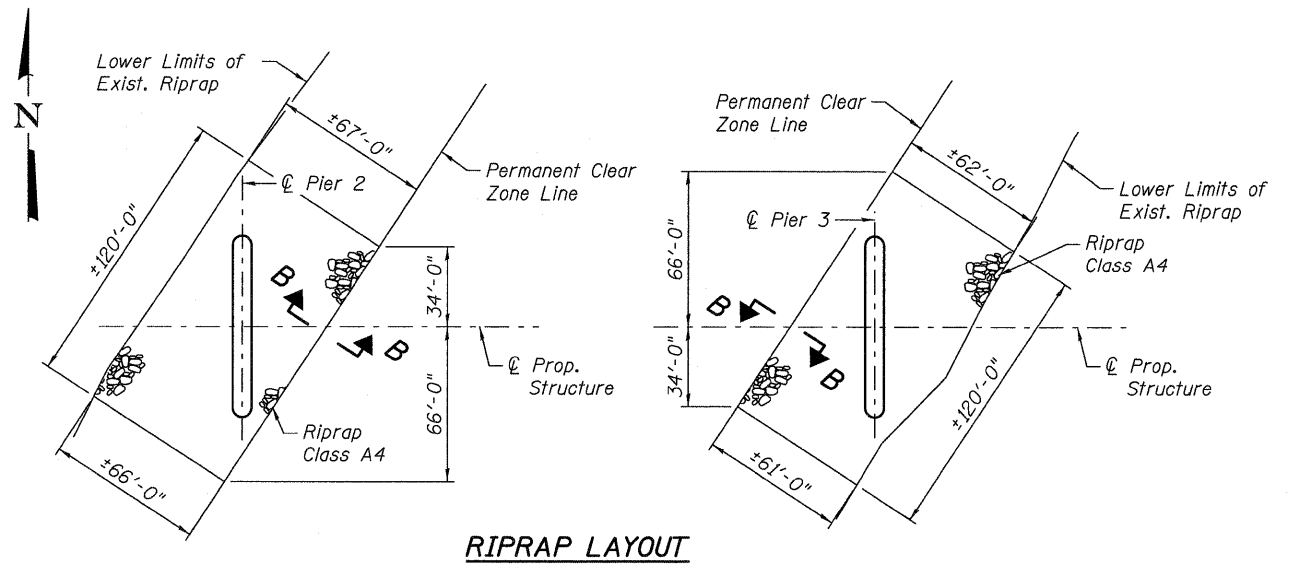
PROFILE GRADE
(along Exist. Levee Rd (West))



PROFILE GRADE
(along Exist. Levee Rd (East))



PROFILE GRADE
(along Relocated Levee Rd (East))

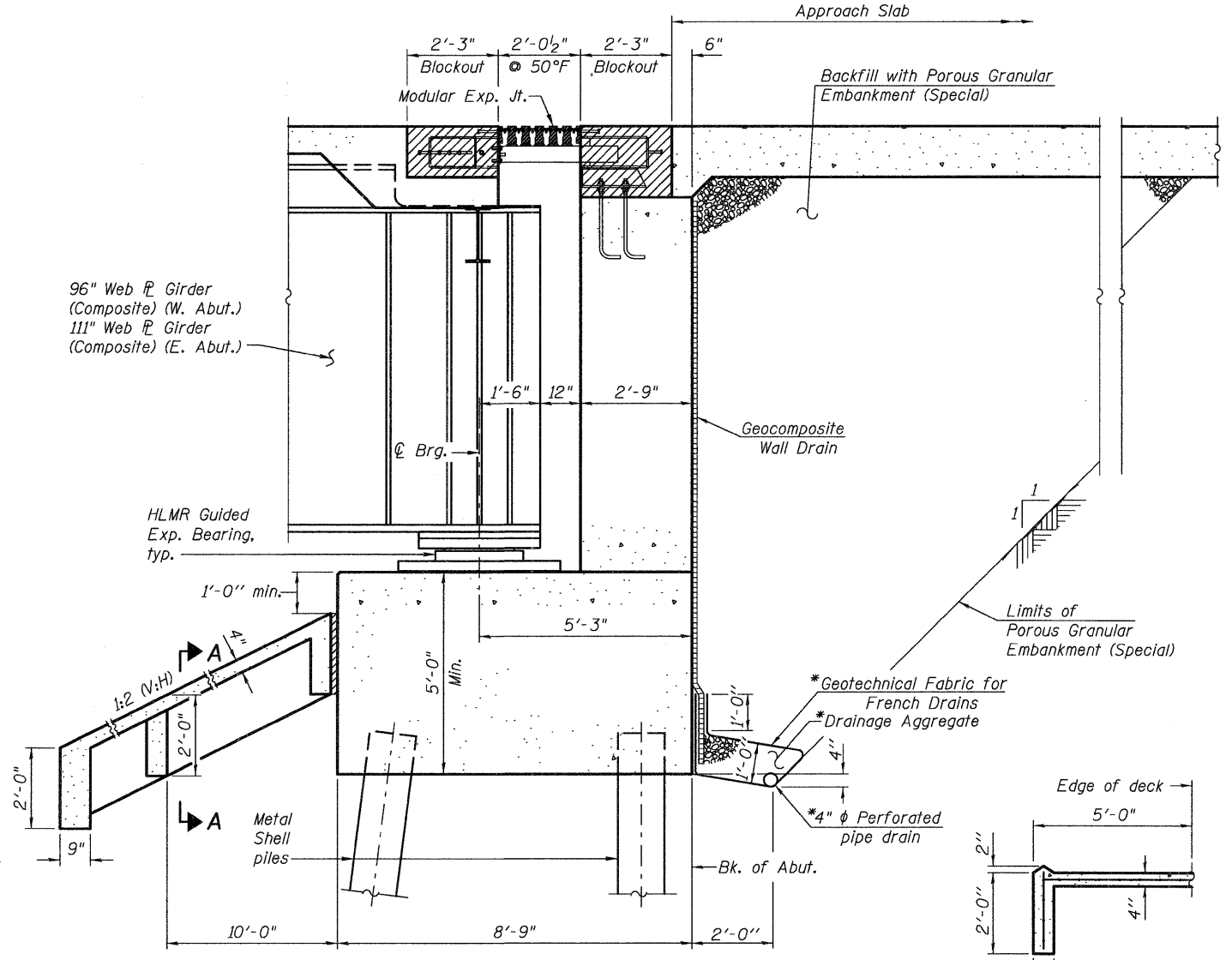


RIPRAP LAYOUT

WATERWAY INFORMATION

Drainage Area = *701,000 Sq Mi		Low Grade Elev. N/A							
Flood Yr.	Freq.	**Q C.F.S.	Opening Sq. Ft.	Nat. H.W.E.	Head - Ft. Exist.	Head - Ft. Prop.	Headwater El. Exist.	Headwater El. Prop.	
	10	690,000	19,651 19,788	425.1	0	0	425.1	425.1	
Design	50	925,000	25,625 25,785	431.8	0	0	431.8	431.8	
Base	100	1,020,000	27,486 27,654	433.8	0	0	433.8	433.8	
Overtopping	-	-	-	-	-	-	-	-	-
Max. Calc.	500	1,020,000	-	437.9	0	0	437.9	437.9	

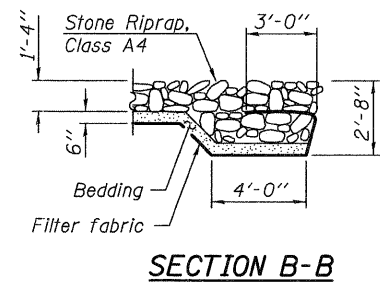
* Drainage Area is for Mississippi River Elevations. Actual Chain of Rocks Canal Drainage Area to I-270 is 0.461 Sq Mi.
** Flow rates are for main Mississippi River bridge, Chain of Rocks Canal flows are negligible.



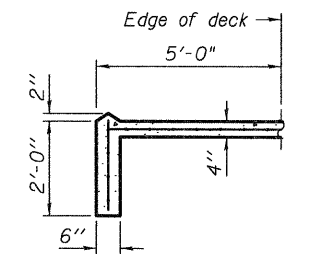
SECTION THRU ABUTMENTS

* Included in the cost of Pipe Underdrains for Structures.

Note:
All drainage system components shall extend parallel to the abutment back wall until they intersect the wingwalls or 2'-0" from the end of the wingwalls when the wings are parallel to the abutment. The pipe shall extend under the wingwall, if necessary, until intersecting the side slopes. The pipes shall drain into concrete headwalls. (See Article 601.05 of the Standard Specifications and Highway Standard 601101).



SECTION B-B



SECTION A-A

c:\pwworking\jmg\0549104\0600345-76A91-002-GND.dgn jmgus 3/15/2011 2:10:05 PM



USER NAME = jmgus	DESIGNED - BWC	REVISED -
FILE NAME = 0600345-76A91-002-GND.DGN	CHECKED - LGP	REVISED -
PLOT SCALE = NONE	DRAWN - JM	REVISED -
PLOT DATE = 3/18/2011	CHECKED - BSK	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL DATA
STRUCTURE NO. 060-0345
BRIDGE SHEET NO. 2 OF 133 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
270	60-1B-1	MADISON	712	381
CONTRACT NO. 76A91				
ILLINOIS FED. AID PROJECT				