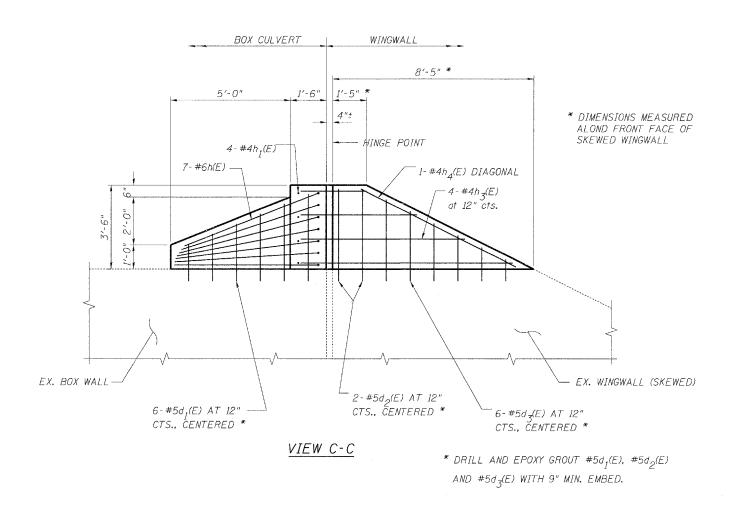


DRAIN DETAIL

5" & THREADED RODS AT 12" CENTERS CAST IN TO THE PRECAST BOX. THE THREADED RODS ARE NOT PAID FOR SEPERATELY, COST INCLUDED IN THE PRECAST CONCRETE BOX CULVERT 10'x6'. L9x4x1/2x7'-8" AT WALL. COST IS INCLUDED IN THE FURNISHING AND ERECTING STRUCTURAL STEEL. (TYP.) INSERT #5d(E) @ 12" CTS., CENTERED INTO PRECAST BOX, 5" INSERTS PRE-INSTALLED INTO SIDE WALL OF EDGE OF GEOTEXTILE. — COST TO BE INCLUDE IN PRECAST BOX. COST OF INSERTS IS INCLUDED IN PRECAST CONCRETE BOX CULVERT 10'x6' ITEM. GEOTEXTILE RETAINING -1/2" ¢ EXPANSION ANCHORS AT 12" CENTERS. THE ANCHORS ARE NOT PAID FOR SEPERATELY, COST INCLUDED IN WALL ITEM. FURNISHING AND ERECTING STRUCTURAL STEEL. 7-#5d(E) AT 12" CTS., CENTERED, EACH SIDE, DRILL AND EPOXY GROUT WITH 9" MIN, EMBED. EPOXY GROUTING TO BE DONE ACCORDING TO ARTICLE 584 OF THE IDOT STANDARD SPECIFICATIONS. (TYP.) END OF PRECAST BOX CULVERT-EX. ABUTMENT WALL & EX. WINGWALL 2-5v2(E), EACH FACE -

SECTION B-B



	USER NAME = \$USER\$	DESIGNED	-	MJM	
CONSULTING ENGINEERS		DRAWN	-	MJM	REVISED -
	PLOT SCALE = \$SCALE\$	CHECKED	-	WHE	REVISED
NAPERVILLE, ILLINOIS 60563 PH: 1630) 577-9100	PLOT DATE = \$DATE\$	DATE	-	06/27/2008	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STRUCTURAL DETAILS AND REINFORCING	F.A RTE.	
IL ROUTE 31	3887	
E HOULE OF		D-91
SHEET NO 13 OF 17 SHEETS STA 37+24 TO STA 37+60	EED 9/	A TOLO CAE