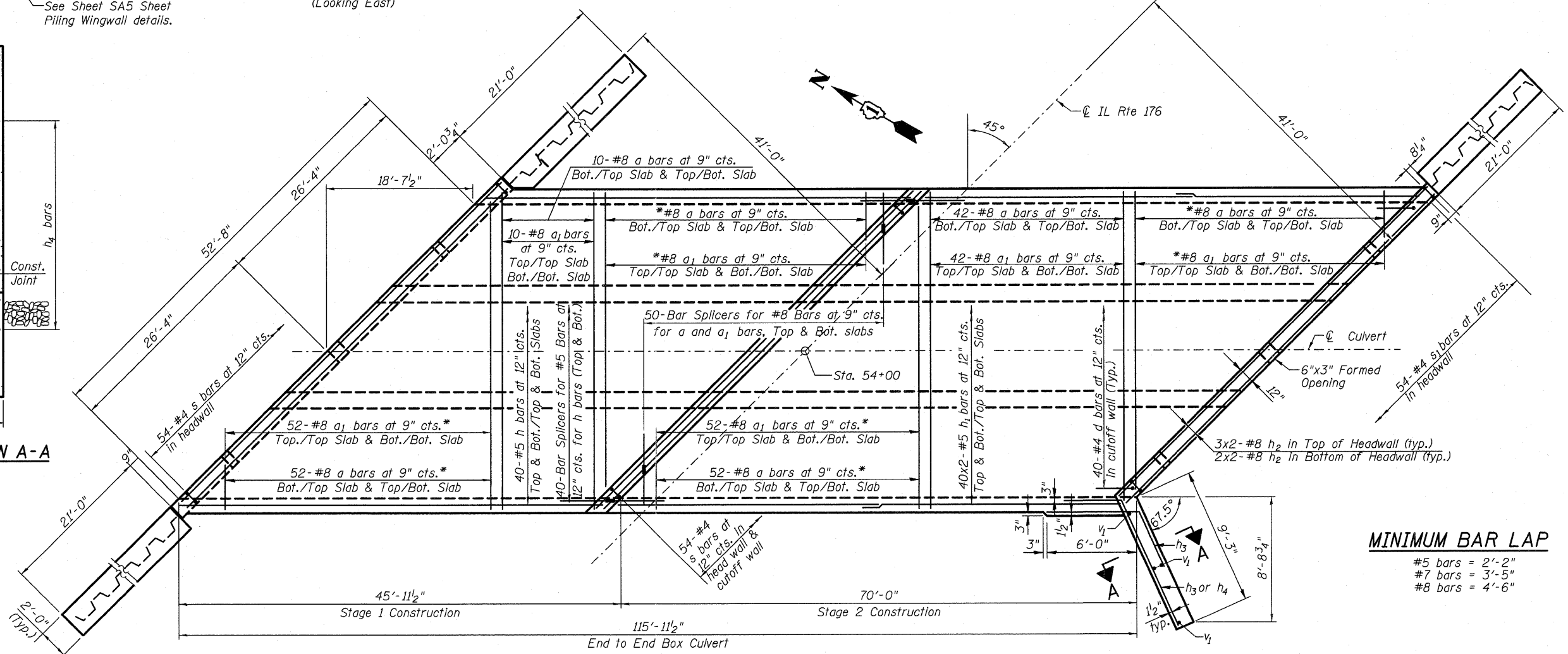
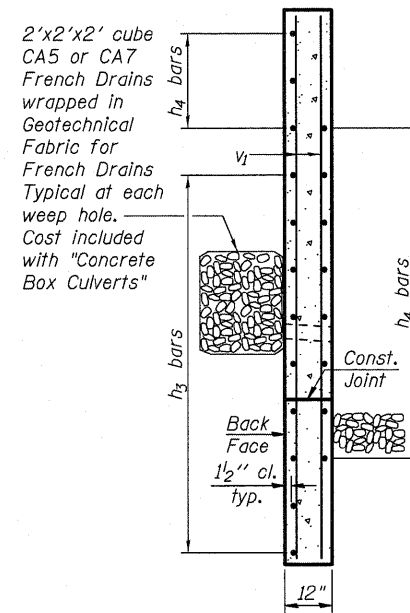
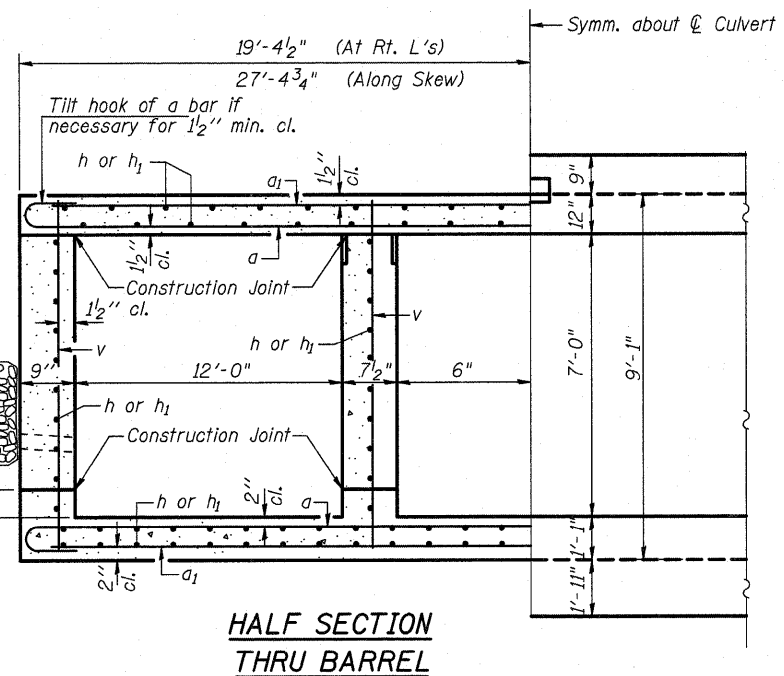


2'x2'x2' cube CA5 or CA7 French Drains wrapped in Geotechnical Fabric for French Drains Typical at each weep hole. Cost included with "Concrete Box Culverts"

17" ϕ Hole Opening for 15" ϕ Storm Sewer. Inv. Elev. = 744.47



* Cut a bars in field to fit skew and use the remainder of bar in opposite end of stage 1 or 2.

MINIMUM BAR LAP
 #5 bars = 2'-2"
 #7 bars = 3'-5"
 #8 bars = 4'-6"



USER NAME =	DESIGNED - JSG	REVISED -
PLOT SCALE =	CHECKED - LRG	REVISED -
PLOT DATE =	DRAWN - MPS	REVISED -
	CHECKED - JXH/TPG	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CULVERT PLAN AND DETAILS
 STRUCTURE No. 049-0196 STA. 54+00.00
 SHEET NO. SA3 OF SA10 SHEETS

F.A.P. RTE. 335	SECTION 145 X-T	COUNTY LAKE	TOTAL SHEETS 80	SHEET NO. 47
DATE: 11-30-2011			ILLINOIS FED. AID PROJECT	