



**Reinforcement for north headwall, south headwall and south toewall. Use s₁ bars at north headwall only. Cut h, h₁ and h₂ bars to fit at intersection with existing culvert.

NOTES
 A distance of half the length of the wingwall but not less than six feet of the barrel shall be poured monolithically with the wingwalls.
 Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.
 Bars indicated thus 12 x 4-#5 etc. indicates 12 lines of bars with 4 lengths per line.
 See Sheet 2 of 3 for Section A-A, Section thru Headwall, bar details and Bill of Material.

DESIGN STRESSES
 f_y = 60,000 psi
 f'c = 3,500 psi

LOADING HS 20-44 & ALT.

FILE NAME = ...D876A91-534-culv.1180.75.dgn	USER NAME = .MML.	DESIGNED -	REVISD -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CULVERT EXTENSION DETAILS STATION 1180+75	F.A.J. RTE. 270	SECTION 60-1B-1	COUNTY MADISON	TOTAL SHEETS 712	SHEET NO. 534	
PLOT SCALE = 0:1.000000 'x' / IN.	PLOT DATE = 3/14/2011	CHECKED -	REVISD -			SHEET NO. 1 OF 3 SHEETS		CONTRACT NO. 76A91		ILLINOIS FED. AID PROJECT	
CB PROJECT NO. 08029		DRAWN -	REVISD -								
		CHECKED -	REVISD -								

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