

CONSTRUCTED TOP OF DAM = 830.5  
 SETTLED TOP OF DAM = 830.0  
 AUXILIARY SPILLWAY = 829.0  
 PRINCIPAL SPILLWAY (WATERLINE) = 828.0  
 PERMANENT POOL AREA = 0.50 ACRES  
 TOP WIDTH OF DAM = 10 FT.

**MAIN FILL =**  
 The constructed top of dam is 830.50 and the settled top is 830.0. The top width is 10 ft. wide. The side slopes are 4:1. The core of the dam needs to be good clay material. The front and back slopes can be built from the pool area. Do not borrow on the sides of the pool area under the water line. The dam must be cor'd at least 4 ft. deep with a 10 ft. bottom width and sideslopes 1.5:1 for safety.

**PRINCIPAL SPILLWAY =**  
 The principal spillway is a 4 inch PVC pipe with a canopy inlet. See page 13 of 14 for details on the canopy inlet. The PVC pipe should be SDR 32.5 ASTM D 2241 or heavier. Install 2 4"x4ft anti-seep collars on the pipe.

**AUXILIARY SPILLWAY =**  
 The auxiliary spillway is on the right side of the dam. The spillway elevation is 829.0 and it is 10 ft. wide. The spillway dike has an 8 ft. top and all sideslopes are 4:1. Include a 30 ft. flat control section with no grade.

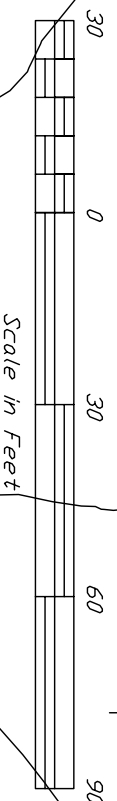
Top of Dam = 830.0 (settled)

Waterline = 828.0

4:1 Sideslopes

Top Width = 10 ft.

Auxiliary Spillway = 829.0



**Hale Wildlife Area - Phase 3 - Wetlands**  
**West Wetland - Plan View**

Date	12/2008
Designed	JOHN LEIGHTMAN
Drawn	JOHN LEIGHTMAN
Checked	
Approved	

File No. 172709  
 Drawing No. 832 AM  
 Sheet # of #