



PLAN VIEW
Not to Scale

- NOTES
1. Wood boards shall be nominal 2" x 6" and 2" x 8" size and wood posts shall be nominal 6" x 6" size. All wood members shall be No. 2 grade or better, pressure treated with 0.4 pounds per cubic foot of Alkaline Copper Quat (ACQ), Copper Azole (CBA or CA) or equivalent.
 2. Tongue and groove boards in 16' lengths shall be used. Boards shall be centered on the structure to avoid joints in the headwall section.
 3. A minimum of 2 nails shall be used to fasten each board to each post. Nails shall be galvanized ring or barbed shank, 6" long or equivalent.
 4. Concrete shall conform to Missouri Construction Specification 750, Reinforced Concrete.
 5. For additional details see Missouri Construction Specification 410-A, Grade Stabilization Structure.
 6. Riprap shall consist of well graded rock, D₅₀ size of 9 inches, maximum size 18 inches.
 7. Standard 8"x8"x16" concrete blocks on 4 inches of drainfill may be substituted for the riprap. Fill core of blocks with drainfill.
 8. Drainfill shall consist of gravel or concrete aggregate mixture with maximum size of 3 inches, 30 to 60% passing a 1/2 inch sieve and not more than 5% passing a No. 8 sieve.
 9. A geotextile shall be installed on the soil side of the drop spillway and drainfill to separate from the soil material. Geotextile shall be a filter fabric that will provide a filter to prevent migration of soil particles but is still permeable as shown in Construction Specification 753, Geotextile.
 10. Top of dike shall be at least 2 feet higher than the top of the timber headwall.
 11. All slopes shall be 2:1 or flatter.

Date	
Designed	
Drawn	
Checked	
Approved	

TIMBER STRAIGHT DROP SPILLWAY



DRAFT
NOT FOR
CONSTRUCTION

File Name	
Drawing Name	29-N-340