

6. Wedge loase straw between bales to 4. Backfill and compact the excavated soil as shown on the uphill side of the Elevation of points 'A' should be higher than 'B'

stone.

EMBANKMENT

At the pipe outlet, install a riprap apron at least 5 feet

Use fill from predetermined borrow areas. fill should be clean, stable mineral soil free of organics, roots, woody vegetation, rocks and other debris, and must be wet enough to form a ball without crumbling, yet not so wet

Place the most permeable soil in the downstream toe and

Compact the fill material in 6 to 8—inch lifts (maximum)

Protect the spillway barrel with two feet of fill that has

Construct and compact the dam to a height 10% above

Construct the spillway in undisturbed soil around one end of the embankment, and locate it so that any flow will

return to the receiving channel without damaging the

Stabilize the spillway as soon grading is complete with

vegetation or erosion control blankets.

Place a reference stake at the sediment cleanout

been compacted with hand tampers before traversing over

least permeable soil in the center portion of the dam.

wide and 10 feet long to stable grade.

that water can be squeezed out.

over the length of the dam.

the pipe with equipment,

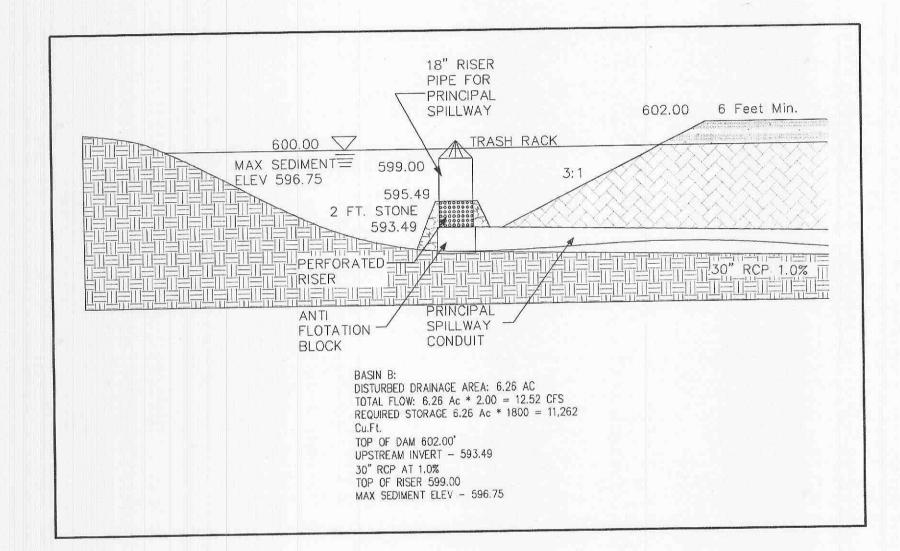
the design height.

EMERGENCY SPILLWAY

elevation.

embankment.

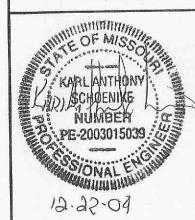
18" RISER PIPE FOR PRINCIPAL 602.00 6 Feet Min. SPILLWAY 600.00 TRASH RACK MAX SEDIMENT 599.00 PRINCIPAL SPILLWAY ELEV 596.91 Clear the sediment pool to facilitate clean out. 595.81 2 FT. STONE Situate the spillway barrel and riser on a firm, even 593.81 / foundation. Place around the barrel a 4—inch layer of moist, clayey, PERFORATED THE 1730" RCP 2.0% TIRISER workable soil, and compact with hand tampers. Perforate the lower half of the riser with 1/2 inch SPILLWAY FLOTATION diameter holes spaced 3 inches apart. CONDUIT BLOCK Embed the riser in at least 12 inches of concrete. DISTURBED DRAINAGE AREA: 6.55 AC Surround riser with 2 feet of clean, uniformly graded TOTAL FLOW: 6.55 Ac * 2.00 = 13.10 CFS REQUIRED STORAGE 6.55 Ac * 1800 = 11,790 TOP OF DAM 602.00' UPSTREAM INVERT - 593.81 Place a steel trash rack around the riser inlet. Trash rack openings should be 4— to 6—inches square. 30" RCP @ 2.0& TOP OF RISER 599.00



MAX SEDIMENT ELEV - 596.91

OMMERCIAL

URVEYING, HTE 202 CHARLES 801



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