

Auxiliary Dam Construction 2007

**At Pail Factory Bridge
Concord MA**



**The earthen Dam after tree removal
View from Higgin's back yard**



Cleared area near old spillway.



Spillway is cleared in preparation of installation of the Cofferdam



Installation of cofferdam



**Diverting Water Away from Spillway
to Main Stream Using Cofferdam in
Background**



Diversion of water to main stream to begin work on the spillway



**Preparation of footings for new spillway
formwork plus installation of rebar**



Installation of formwork and rebar for new spillway dam and wing walls.



Installation of formwork for new spillway dam and wing walls



Grading earthworks adjacent to new spillway



Wing walls of new spillway have been poured in stages



Grading of earthworks adjacent to new spillway, preparing for additional backfill



Installing riprap along earthworks and within new spillway



**Preparing to remove cofferdam at new
spillway site**



Removing cofferdam and grading new riprap within spillway and along earthworks



New spillway completed and project closing for the winter



**New spillway wearing a winter coat
waiting for Spring**

What Follows

- *Work will commence on the main dam in mid-summer of 2008, when water is at its lowest point in the pond.*
- *A pocket park is planned for the area to the left of the auxiliary dam.*
- *Removal of non-native invasive plants will begin with improvements to the area around the pond.*