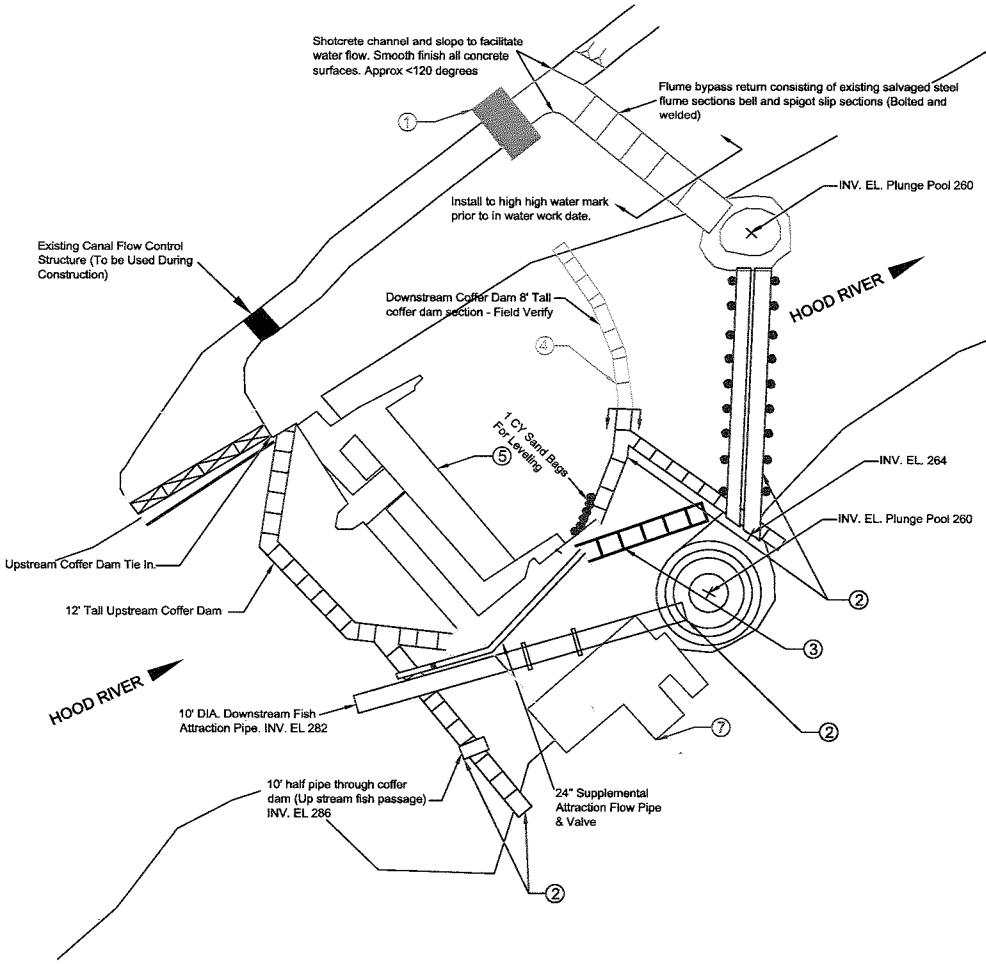

PROPOSED ALTERNATIVE CONSTRUCTION SEQUENCE

1. The temporary bridge and flume bypass will be installed down to the high water mark. Once the in-water work date has been reached the remainder of the river bypass will be constructed. The outlet will consist of 10' wide x 8' tall steel flume sections salvaged from the existing flume. The sections will be modified so that they can be slipped together and welded in place. The sections will be backfilled partialy and tied down.

2. Install the downstream coffer dam with the 2 10' dia. fish passage pipes and enough coffer dam to isolate the existing fish ladder entry way. Construct pool.
   - Upon partial completion of the dowstream coffer dam, open roller gates and begin installing at the South side bank the upstream coffer dam. Install the upstream fish passage pipes and coffer dam working towards the north corner of the dam and intersection of diversion structure. Install temporary slide gate on 10' down stream fish attraction pipe to maintain flow while completing phase 3.
   - Place twin 10' pipes to river bypass plunge pool. Anchor with giant sand bags and large stones.

3. The fish ladder extension will be pre-constructed before the in water work period. It will be installed and constructed as shown on sheets110,111,112 of the original design drawings.

4. Complete construction of the downstream coffer dam.

5. With all coffer dams complete and the river in the bypass channel, begin dam demolition to edge of spillway. Regrade river once dam has been removed.
   - Once the dam has been demolished to the spillway, the downstream coffer dams will be removed as well as the upstream coffer dams.

- Giant sand bag and dewater as required to complete demolition of fish screen and diversion structure. Giant sand bag and dewater as required to finish demolition of spillway and fish ladder.

7. Demolish fish handling facility and regrade river banks / clean up of site.

GENERAL NOTES:

- Use giant sand bags wherever required for coffer dam construction.
- Use Class 2 Rip-Rap for plunge pools developed on site.
- Fish passage, plunge pools and fish ladder extension will be built per plans as shown on sheets 100,110,111,112 of the original drawings.
- All welds and joints will be prepared and ground smooth.

Weekly Bros. Inc.
Engineering / Planning
An Employee Owned Company

POWERDALE DAM REMOVAL - ALTERNATE REMOVAL PLAN

REVISION	Rev. 3-31-2010 Rev. 4-21
SCALE	None
DRAWN BY:	NOW
DATE	1-27-2010
SHEET	1 of 1