

CDBG Advisory Committee
May 13, 2010

Present: Kevin Cooley (Project Engineer, Kleinschmidt), Holly MacKenzie (Structural Engineer & Permitting, Kleinschmidt) Mac Ray, Jackie Conant, Scotty Kilbreth, Judy Hamilton, Polly Bussiere, Rob Turnbull and Mark Blanchette

After introductions, Mac described the dam project, the CDBG funding, Brownfields assessment and general plans for the dam properties to Kleinschmidt Consultants, Kevin Cooley and Holly MacKenzie. Discussions then settled into the final phase of engineering/permitting, which will bring the project to construction and completion.

Expected timetable for Kleinschmidt on the project

- **Within next few weeks** - have the property (existing dam and location of the new one) surveyed by surveyor Kleinschmidt generally uses, unless Selectmen have a local surveyor they wish to have used.
- **By August/September 2010** - Advance the final designs to a point of being able to put a permit package together for all possible agency involved in this project
- **Fall 2010/Spring 2011** - finalize engineering designs and bid process, taking into consideration work to be done by volunteers.
- **May to Fall 2011** - construction of new dam and removal of the existing one

Data missing at previous meetings with DEP -

- Flow requirements for design calculations
- FEMA/MEMA jurisdictional questions -
 - o How is the 2007 Dam Safety Order addressed?
 - o From where is the 6' impoundment measurement taken and what regulatory authority will MEMA have?

Permitting

- Is a full NRPA permit needed for the construction of this new dam?
- What permitting is needed to remove the old dam?
- Will an emergency spillway be needed?
- Would like to have rocks remain from the temporary dam emergency repair to address concerns raised by the NOV from DEP.
- Consider any stream restoration needs.
- Canton Planning Board may need to approve of plans or be involved prior to submitting State permit applications

Brownfields assessment - The Advisory Committee should keep Kevin informed of the plans for Phase II Brownfields sampling. He may come to Canton when MACTEC is taking samples and would like to have a copy of the final Phase I report. If borings are done near the brook and streambed, he may be able to get needed bedrock data.

Significant historic references - Section 4: Records Review of the Brownfields Phase I report includes historical use information on the dam and adjoining properties.

Water level needs and expectations -The temporary dam could be used as a cofferdam to de-water half of the brook at a time during construction - most likely May through July 2011. If the drawdown was at its lowest, sandbags could be used and costs might be lower. Water level expectation for the new dam is much less than the old dam for the winter drawdown, perhaps a foot and a half.

One or more gates and flashboards - The preliminary plans called for one gate (from the old dam) and a 2' high flashboard system designed to break during high water. There is no way of knowing if or how often this system would be needed. Because it is made of steel pipes and hemlock planks, the system would need to be replaced periodically. Flashboard replacement is estimated to cost \$8,000 whether from breakage or for maintenance. Another gate, at a cost of \$10,000(?), could extend the life for flashboard maintenance a few years.

Concerns were raised for the potential hazard caused downstream of boards getting hung up in the old dam pilings and/or the constricted culvert under route 108. A hinged flashboard designed to bend rather than break loose, use of cables through the flashboard, varying the length and height of individual boards, use of an emergency spillway, a hydraulic system and a "rubber bladder" and steel are possibilities, which would increase costs. Kevin and Holly will prepare more information and cost analysis for our consideration. A commitment to any changes in designs will need to be made before the permitting process can begin.

June 15th CDBG hearing - Selectmen will confirm the date at this week's meeting and submit the required notifications to the press. Invitations will be extended to Hartford residents and summer folks to join Canton residents for a public information hearing. Brian Beneski from DEP will be available to answer questions about the Brownfields assessment. Kevin and/or Holly from Kleinschmidt expect to be available to give a brief engineering/permitting report and answer questions. Grant administrator, Amy Landry from AVCOG, will hopefully be able available to address funding and CDBG environmental review concerns.

Clean Up day - An email was circulated describing activities approved by Canton CEO for Saturday, June 19th beginning at 9 a.m. While Mac is away over the next few weeks, we need to locate volunteers, tools and equipment needed for a productive clean up of the dam properties.

Grant Administrator - Amy Landry has accepted a revised description for the GA. Kathy Hutchins will take responsibility for budget draw downs and Mac will complete other administrative tasks thus reducing this expense to \$5,000. A revised RFQ is requested from Amy. The selectmen will address AVCOG's proposal for completion of the CDBG environmental review, at a cost of \$1,500.

Next Meeting is scheduled for 6:30 p.m. Monday, June 7th at the Canton town office. If there is a pressing need to meet again before then, the Advisory Committee will be notified.

Respectfully submitted,
Judy Hamilton, Secretary