

MEETING MINUTES

Waitsfield Town Pond Dam Waitsfield, VT

SUBJECT: Pre-construction Meeting
DAY/TIME: 8:00A.M. – February 12, 2009
LOCATION: Town Pond Dam
PREPARED BY: Weston & Sampson Engineers – Ken Bisceglia, P.E.

Attendees:

David Allerton, Weston & Sampson
Paul Hartshorn, Town of Waitsfield
Charlie Hosford, Waitsfield Select Board
Valerie Capels, Waitsfield Town Administrator
Noel Dydo, Dydo & Co. Inc.
Jim Desprey, Kingsbury Construction
Tom Emler, Capital Excavating
Fred Kidder, Griffin & Griffin Excavating
Rae Washburn III, Dubois Construction
Rob McLaren, Ferguson Waterworks
Andy Dimario, Andy Dimario Excavating
Darryl Forrest, interested citizen
Russ Bennett, adjoining property owner

Purpose:

- Review project scope

Attachments:

- Meeting attendance sheet
- Grain size distribution from grabs sample of embankment material

Minutes:

A pre-construction meeting was held at the Town Pond Dam site. The following is a summary of questions that were asked during this meeting and Engineer's responses:

1. Can staging area be moved to the movie theater?
Yes.
2. Need crushed stone stabilized entrance?
Yes. Contractor should take appropriate measures to assure that public and private property outside the construction limits are protected from damage, accumulating mud, dust and other adverse conditions.
3. Dredging prior to after dam rehabilitation? What is the timing required?
The timing of the elements of the project is a means and methods issue and should be determined by the contractor considering construction methods, environmental protection and other related



matters. It would seem to make sense that the dredging would be conducted when the pond level is lowered for constructing the dam repairs shown on the contract documents.

4. Is the dredging a separate bid?

Yes

5. Is there an identified site for dredge material?

Assume dewatered material will be transported locally no more than 2 miles from pond site.

6. Would the Town consider accepting bids for the dam, and then negotiate with the selected contractor for the dredging?

No, because Town needs to estimate dredging costs prior to Town Meeting.

7. How do voters know to vote dredging if they don't know the quantity and price? Engineers estimate was for \$10K. Contractors didn't understand the 30 cy quantity for dredged material.

> Engineer did not estimate cost for dredging.

> Initial volume based on 1 foot thick over pond surface area of 745 SQ.FT. X 15%

> Town requests 2 costs on a per yard basis: one estimate for up to 100 cubic yards and one estimate for over 100 cubic yards. Costs to include transportation up to 2 miles from pond site and off loading.

8. Contractors asked what the engineers cost estimate was.

Town indicated about \$75K.

9. Does the project require bonding?

Yes

10. If material removed does not meet spec, what then? Contractors are concerned this would be a huge change order.

The material specification for embankment fill (Equipment & Material Specification Item 12) is general by design to assure the existing material will meet the specification for reconstructing the embankment. There is little, if any, risk that the existing material will not meet the specification provided it is "free of ice, snow, organic matter, man-made material, particles exceeding 4-inches and that it is managed on the site so the moisture content makes it suitable for compaction. This means that the contractor has to excavate and store the material and control the moisture content as necessary (i.e. keep the stockpiles covered so it doesn't become saturated and then dry the material or wet it as appropriate based on the Proctor test results). The same goes for any earth fill material brought to the site to supplement the existing material.

11. Contractors thought the amount of testing, i.e., three samples per lift, was excessive and could delay the project.

It is anticipated that the Contractor will have a subconsultant on site during backfilling to conduct Troxler nuclear density testing. It should be noted that this is not a run-of-the-mill earthwork project. You will be constructing a dam (and be responsible for the consequences of poor construction if the dam fails at some point in the future). There must be appropriate documentation in place to protect both the Contractor and the Owner.



12. Can the contractors provide an alternate quote for cost per cubic yard for new required fill if existing fill does not meet the spec?
Yes
13. Has anyone done borings to determine existing materials?
No. However, the attached grain size distribution is for a sample of the embankment material collected during design.
14. Contractors did not see a seed spec in the plans. They thought seeding with wild grass would be pretty expensive, and wondered how to bid this.
All disturbed areas and embankment surfaces shall be finished with loam and seed to match existing grasses on the embankment unless a different surface treatment is shown on the drawings.
15. Foundation: What is the support/foundation for the 5 foot diameter standpipe, is it enough?
Assume the foundation conditions for the existing riser consists of natural inorganic soil suitable for supporting the riser. The contractor shall prepare and level the subgrade for the new riser by placing a minimum 12-inch thick layer of "compacted" 1-1/2 inch crushed stone below the new riser with the crushed stone extending out beyond the circumference of the riser by at least 12 inches to form a stable base.
16. 6-inch DR 17 in spec, why not DI or Sch 80 PVC for drain pipe. Please verify type of pipe.
Ductile Iron pipe would be considered a suitable alternative, provided that compatible connections with the riser and the proposed valve are provided.
17. Bypass pumping during project is assumed, where does power come from, or do they need a generator?
Contractor to supply generator
18. Dewatering and not discharging downstream, how do they do it? Discharged 100 feet upstream how? Contractors don't think what is in the plan will work.
Dewatering water can be discharged downstream but it has to be into an "upland area" (i.e. not directly into the wetlands). Delete third sentence of General Construction Note #14 (Sheet G-1) and replace with the following:
- "Water removed from work areas shall be discharged to an area outside of any flowing non-turbid water in an area outside of wetland resources (i.e. to an upland area). All discharge shall be into a sedimentation basin constructed and operated so that turbid waters do not flow directly into wetland resource areas. Contractor to provide a detailed dewatering plan to Engineer for approval prior to commencing activities on site."**
19. Pond completely dewatered before being dredged?
Yes
20. Drain dam before work starts? Will ANR let you?
Plan on Yes. Seeking ANR approval.



21. There are two side culverts draining into pond, which may become an issue.
Contractor needs to plan accordingly
22. Does State have jurisdiction over this dam
This is not a jurisdictional dam in the sense that the dam and impoundment sizes do not require it to be on the State's database requiring regular inspections, etc. The State will not be reviewing contractor submittals or approving the construction.
23. Quantity of toe drain material is questionable, need to check. Amount written doesn't match plan take-offs
Engineer did not list quantities. If this is related to testing requirement (Sheet G-1, Note 3) then assume that at least 1 sample will be required if less than 100 cu.yds. is placed.
24. Scale on erosion plan is incorrect.
The scale is 20 not 40.
25. With all these issues, what about timing of bids? Can contractors have more time? Currently Feb. 25th.
The bid date has been extended until noon on Monday March 2, 2009.
26. What about sealing existing drain? Can the contractor choose to move the drain? Is there a spec for disabling the intake?
Bid the project per the drawings.
27. Does the silt fence have a wire mesh in it for reinforcement?
No. However, add a continuous row of staked down hay bales in intimate contact with the downstream side of the properly anchored silt fence.
28. Can they replace the 36-in outlet pipe with HDPE?
Bid the project per the drawings.
29. Can the engineer define the filter sand quantity
Contractor is responsible for estimating quantities for bidding and construction.
30. Can the engineer clarify the backfilling behind the standpipe?
Backfill around standpipe with excavated soil to match surrounding pond bottom level. Place soil in maximum 9- inch thick layers bringing the backfill level up evenly all around the riser. Compact each layer with at least four passes of a vibratory plate compactor.
31. What about seepage collars around the pipe?
Bid the project per the drawings.
32. What about the trash guard, will the engineer accept alternatives?
Bid the project per the drawings.
33. Can they move completion date to October 1, instead of September 1?
No

