

#### Hands Mill Dam Removal Study and Preliminary Design Stakeholder Closing Meeting

#### December 9, 2020

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# Agenda

- 10:00 AM: Introductions
- ✤ 10:10 AM: Discussion on 30% Design
- 10:45 AM: Geotechnical report
- 11:00 AM: Archaeological and Historic Resources
  Findings
- II:20 AM: Budget Estimates for Phases 2 and 3
- II:40 AM: Close-out needs and next steps for stakeholders

#### **Introductions (for newcomers)**

NAME ENTITY YOU REPRESENT ROLE YOU PLAY IN PROJECT



WASHINGTON SALOMILL 1993

# Phase 1 Timeline

#### FIELD WORK AND BACKGROUND/DESKTOP RESEARCH REPORT AND DESIGN DRAFTING



PUBLIC OUTREACH TO TOWN



#### Geotechnical Report, Sediment Characterization and Dump Sites

MOST OF EXCAVATION MATERIAL = FINE/COARSE SAND, SMALL TRACES OF SILT. POSSIBLE ROAD WINTER MAINTENANCE VALUE. DUMP SITES: NO WETLANDS CONCERNS (?), NOT SENSITIVE FOR ARCHEOLOGICAL OR HISTORIC CONCERNS Lowery Road - Town Owned

2895 VT Rt 110 - Town Owned - behind clerks office

Washington

661 West Corinth Road

# **Archeological Resources**

PEACH AREAS: SENSITIVE FOR PRE-CONTACT NATIVE AMERICAN SITES. YELLOW CIRCLE INDICATES AREA WITH UNAVOIDABLE IMPACTS. RECOMMENDED FOR STEP 1 TESTING  $\rightarrow$ BUDGETED IN "PHASE 2-100% DESIGN" NO AREAS SENSITIVE FOR HISTORICAL ARCHEOLOGICAL REMAINS.



# Historic Resources

THE DAM: RECOMMENDED FOR INCLUSION ON NATIONAL REGISTRY. WILL REQUIRE FULL PHOTOGRAPHIC DOCUMENTATION -> BUDGETED IN "PHASE 2-100% DESIGN" THE HOUSE: BUILT C.1840. Not recommended for NATIONAL REGISTER GIVEN CURRENT CONDITION



#### **Budget Estimates (DRAFT)**

PHASE 2 - 100%/FINAL DESIGN		PHASE 3 - DAM REMOVAL, STREAMBANK AND FLOODPLAIN RESTORATION	
Engineering		Engineering	
Environmental Assessment	\$11,000.00	Environmental Assessment	\$11,000
100% plans - drawings and construction specifications, update cost and benefit estimates, draft O&M agreement	\$33,636.00	Survey layout	\$4,000
Archeological/Historical		Bid and construction phase services (6%)	\$20,583
1 day phase 1 testing - archeological ( <mark>need to confirm with SHPO</mark> )	\$4,796.00	Archeological/Historical	
Photo documentation - historical work ( <mark>need to confirm with SHPO</mark> )	\$2,173.00	(Need to confirm with UVM)	
Legal		Legal	
Permit and filing expenses ( <mark>need stakeholder input</mark> )	\$5,000.00	Permit and filing expenses	\$5,000
Project Coordination	\$11,910.50	Construction	\$441,970
SUBTOTAL	\$68,515.50	Tree Planting/3 years monitoring	\$9,200
5% admin - Town of Washington loan paperwork and processing	\$3,425.78	Project Coordination	\$32,038
TOTAL	\$71,941.28	TOTAL	\$523,840
less VTFW SWG grant dollars	-11000	FEMA Request Max (75%)	\$392,880
CWSRF Loan Amount Request	\$60,941.28	Match Minimum/Fundraising target (25%)	\$130,960

Projected Permit			
Possible Permits/Filings	Fee estimates?	Projected Permits and	
DEC-Floodplains		Filing Fee	
DEC- Stream Alteration	Waived b/c >500,00	00 cubic feet?	
DEC - Wetlands			
DEC - Stormwater CGP?	\$200		
DEC - Dam Safety Dam Order	x% of construction cost? \$40,000?		
Section 401 WQ Certification			
IWMEA - Waste Disposal			
Act 250	x% of construction	cost?	
Section 106 Review			
US Army Corps of Engineers			
National Flood Insurance: LOMR/CLOMR	\$5,000 (as-built topo, an the Zone AE. Perhaps 2-3	updated hydraulic model and redelineation of days of engineering work)	

# **FEMA Application Updates (due Jan 6th)**

- Needs from Partners: Letters and timely return will send templates around. <u>NEED</u>
  <u>expedited SHPO REVIEW</u>
- BCA DRAFT POSTED ONLINE: CURRENTLY VALUE IS 2.32, WILL FINALIZE WITH CLEARER COST ESTIMATES
- HAZARD MITIGATION PLAN COMPLETED? DAM FAILURE IDED AS ONE OF THE COMMUNITY'S WORST THREATS

# **Closeout Next Steps**

- FINAL REPORT FOR PHASE 1 SUMMARIZES STAKEHOLDER FEEDBACK. PLEASE SUBMIT ANY FINAL WRITTEN COMMENTS BY DECEMBER 31.
- PUBLIC ENGAGEMENT VISUAL RENDERING, NEED TO WORK WITH TOWN
- MATCH ESTIMATES FROM PARTNERS (SEE EXCEL) NEED YOUR HELP!
- CWSRF LOAN APPLICATION:
  - 0 LOAN COST APPROVAL LETTER
  - MOA BETWEEN TOWN AND WNRCD
  - LOAN APPLICATION PAPERWORK
- FUNDRAISING FOR 25% MATCH TO FEMA: <u>131K TARGET SET</u>

### **Steps for CWSRF Application**

- 1. Gabe will finish EID and PER during Phase 1 and submit to Gianna and Karen
- Gabe and Catherine will summarize what's needed to be done from an engineering and historical/archeological perspective during Phase 2 and provide cost estimates. Karen and Todd encouraged to provide comments if there are any red flags at this stage.
- Gianna will take cost estimates from Gabe and Catherine and add in cost estimates for Winooski NRCD time/ legal/ etc and have a formal estimate of full Phase 2 amount.
- Gianna will release an RFQ for the diff phase 2 tasks if costs estimates trigger bidding in our procurement standards. Tom will help review RFQ draft
- 5. Gianna will present selected subcontractors and full phase 2 cost amounts to Karen and Todd for eligibility determination.

6. Karen and Todd will review, approve, and send to Tom for a cost approval letter

7. Gianna will work with Town to draft an application for the loan amount which is equal to the full phase 2 costs minus VTSWG money from Will. Carol will gather application attachments (i.e. town financial paperwork).

8. Gianna will work with the **Town** to draft MOA and get LOS from USFW to submit along with other loan paperwork.

9. Town will submit an application, cost approval letter, MOA and LOS from USFW and then wait to determine if the loan was approved. Once the loan has been submitted, Tom will send a formal letter acknowledging receipt and listing any missing items.

10. If the loan denies the 50% forgiveness we scratch all this and don't sign the loan. If the town gets the 50% forgiveness then the town signs the loan paperwork, subcontracts to Winooski NRCD, Winooski NRCD sign our subcontracts and we all get Phase 2 moving forward.