

Cranberry Dam Rebuild

Tone/WCT • November 2020
- October 2021

November 2020





Initial site
work and
draining

History Discovered







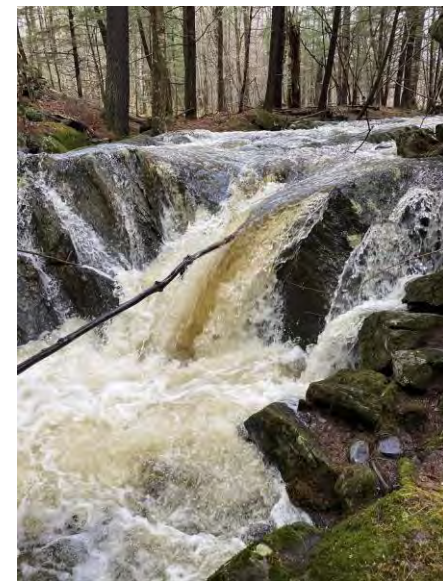
Material Processing

An aerial photograph of a construction site in winter. The ground is covered in snow, with exposed brown earth and concrete structures. A network of yellow, green, and blue rebar is visible, extending across the site. A small white boat is parked on a dark, possibly paved or wet, area. A white vent cover is visible on a concrete wall. The overall scene depicts a complex construction project during the winter months.

December 2020



Progress



December Rains

Christmas Day



Southwoods Rd -
near Red House



Aftermath

Fall 2021 - Take Two





Rebuilding September / October









Inspections



Photo 2: Cutoff wall reinforcement. Note cutoff wall will be at mid-span of RCP.

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	Cranberry Pond Dam Alstead, New Hampshire
SITE PHOTOGRAPHS October 13, 2021	Job No: 144.17252.00004



Photo 3: Epoxy coated reinforcing steel from above.



Photo 4: 48-inch RCP and steel low-level outlet pipe grouted into outlet structure

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DAVID REPORTING INC. (P)
CORPORATE LAWYER DAN F. SMAGLIANO
100 DAN WOODRUFF
ALBANY, NY
518-872-2800

October 12, 2021
Clear, 70s°F

Arrived On-Site: 13:00 hrs
Departed Site: 14:30 hrs
Travel Time: 3 hrs

KEY PERSONNEL ON-SITE DURING SLR'S SITE VISIT:

Mr. Jeffrey Cooper of Northeast Forming
Mr. Carl W. Thunberg, PE of SLR International Corporation (SLR)

KEY OPERATING EQUIPMENT ON-SITE DURING SLR'S SITE VISIT:

Caterpillar M68 excavator (not operating)
Diesel pumps & misc. hoses for dewatering

OBSERVATIONS, DISCUSSIONS AND RECOMMENDATIONS:

- Mr. Thunberg arrived on site this day at the request of Mr. P. Pickard of Mathewson Construction. The intent of our site visit was to perform a reinforcing steel inspection of the concrete cutoff wall. Upon arrival, Northeast Forming was in the process of installing and tying epoxy coated reinforcing steel for the foot mat. Mr. Cooper informed SLR that they intended to work late this evening to complete both mats this day, and begin formwork on October 13, 2021. See Photo 1.
- The alignment of the concrete cutoff wall was noted to be at mid-span of the 48-inch RCP pipe. No pipe joints will be embedded within the wall. See Photos 2 and 3.
- The 48-inch RCP and steel low-level outlet pipes had been previously grouted into the outlet structure as seen in Photo 4.
- The vertical and horizontal reinforcing steel were noted to consist of No. 5 epoxy coated bars which is consistent with the reinforcing steel detail on Sheet D-2 of the Plans, latest revision dated 8/26/2021. Whereas reinforcing steel placement and tying were still in progress, SLR did not measure bar spacing this day. Mr. Thunberg and Mr. Cooper arranged for SLR to return on the morning of October 13, 2021, to complete the reinforcing steel inspection.

Sincerely,

SLR International Corporation

Carl W. Thunberg, PE
Principal Geotechnical Engineer

Charles E. Teal, PE, LSP
Principal Geotechnical Engineer

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Attachments: See Photographs

Distribution: Mr. James Weber | NHQES
Mr. Robert Ackerman | Timber Owners of New England
Mr. Doug Broder | Mendon Land Services
Mr. George Ellis | Mathewson



Photo 1: Cutoff wall epoxy coated reinforcing steel placement completed. Formwork in progress.

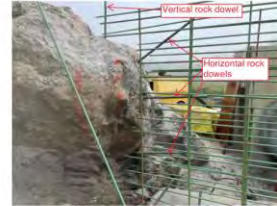


Photo 2: Cutoff wall reinforcement at north side where it meets horizontal rock dowels.

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Photo 3: Reinforcement at pipe penetration meets pipe penetration detail.







Knife wall pouring





Knife wall













Knife wall







Final inspection

