

To: DCR, Office of Dam Safety – Permits Section
251 Causeway Street, Suite 600
Boston, MA 02114

DAM SAFETY CERTIFICATE OF COMPLETION

Dam Owner/Applicant

Name: Cedar Meadow Lake Watershed District
Representative: Tommy Lee
Address: 61 Fairview Dr Leicester MA 01524
Phone: (508) 892-3750
Fax:
Email Address: tlee@wjgei.com

Project

Project location Town/City: Leicester MA
Dam name: Cedar Meadow Lake Dam
National Dam ID Number: MA00984
State Dam ID Number: 3-14-151-8
Nature of Dam Safety Improvements: Reduction of Leakage
Chapter 253 Permit date of issue: November 9, 2012 revised March 14, 2013
Chapter 253 Permit expiration date: March 14, 2015 (Revised for addition grouting work)
Permit Recorded at __ Worcester __ Registry of Deeds
Dam Parcel Registry of Deeds Book Number: 18866
Dam Parcel Registry of Deeds Page Number: 0367
Recorded Permit Registry of Deeds Book Number: 49952
Recorded Permit Registry of Deeds Page Number: 94
Project completion date:

Engineer

Company Name: Lenard Engineering, Inc.
Representative: Roger Hurlbut / Ken Hodgson
Address: 19 Midstate Drive, Suite 200, Auburn, MA 01501
Phone: (860) 379-6669
Fax: (860) 379-1272
Email Address: Hurlbut@lenard-eng.com

Contractor

Company Name: RH White
Representative: John Kelley
Address: 41 Central Ave PO Box 404, Auburn, MA 01501
Phone: (508) 832-3295
Fax:
Email Address : JKelly@Rhwhite.com

Brief description of project and dates of construction:

Work consisted of excavating down to original low permeability core and adding additional material to increase elevation above normal spillway elevation. Neat cement and chemical grouting was also undertaken around the left spillway training wall and gate house foundation. The annulus between the pvc sliplined outlet conduit and the original stone conduit with neat cement grout was completed.

Statement of project completion in accordance with plans, specifications, dam safety permit conditions and standard construction practices:

The initial phases of the seepage reduction as permitted by the 253 permit were completed in substantial accord with the approved plans and specifications.

By Contractor

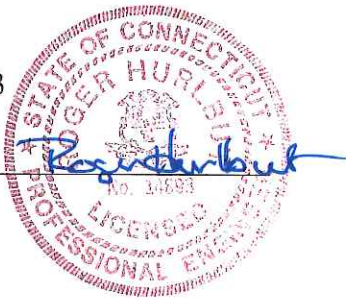
Print name and title: John J Kelly General Superintendent

Signature and date: John J Kelly 1-21-16

By Engineer

Print name, title and PE stamp here: Roger Hurlbut Project Engineer CT 0014893

Signature and date: Roger Hurlbut 1/14/16



By Dam Owner/Applicant

Print name and title: Tommy Lee SR - DISTRICT CHAIR

Signature and date: Tommy Lee SR 1/27/16



Lenard Engineering, Inc.
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Drawing #	<i>FIG. 1</i>
Job #	12-706

Cedar Meadow Lake Dam



Photo 1 December, 2012

Excavation along crest of dam, looking east from vicinity of spillway sluice wall. Bottom of excavation is original core material. Note overburden on left side of photo (upstream side of dam). Core material was consistently at elevation 882 (1.45+/- feet lower than the downstream lip of the spillway). Excavated trench was 7-8 ft wide & 4 ft deep and approximately 35 feet long at the time the photo was taken.

Cedar Meadow Lake Dam



Photo 2 December, 2012

Core cap material being installed in 7+/- ft wide trench. Material had consistency of playdough, but slightly more cohesive. The material had enough cohesion, that after being dumped from the delivery truck it retained the truck body shape with 3.5 to 4 ft high vertical side walls. Geotextile fabric was installed along both upstream and downstream walls of trench to prevent migration or piping of core material. Prior to installation of the core cap, an elevated keyway of original material was formed to prevent a horizontal flow path from forming.



Photo 3 Grouted Annulus between 16-in HDPE & Stone Culvert

Cedar Meadow Lake Dam



Photo 4 December 2013

December 2012 core wall extension as exposed during December 2013 work. Material placed in December 2013 had a reddish color and not grayish as installed in December of 2012.