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Planning Dept.

SLR 

July 13, 2021

Mr. Earl Kurtz Jr., Chairman  
Inland Wetlands and Watercourses Commission  
Town of Cheshire  
84 South Main Street  
Cheshire, CT 06410

Re: Dam Repair/Maintenance  
Orchard View Subdivision  
Wiese Road  
Cheshire, Connecticut  
SLR #141.14997.00015

Dear Mr. Kurtz,

On behalf of the owner of the above-referenced property, we prepared a dam inspection in accordance with Connecticut Department of Energy & Environmental Protection (CTDEEP) guidelines and requirements for the existing dam located along Honeypot Brook at the above-referenced property. The dam is regulated by the DEEP Dam Safety Unit, and our inspection noted that minor repairs and standard dam maintenance are required. The extent of the work is to remove overgrown vegetation and add a small amount of riprap at the base of the embankment to the existing riprap along the toe of the wall. The required maintenance is in areas previously disturbed as a result of the dam construction; however, the removal of vegetation will occur in an area approximately 2,100 square feet and is located within the 50' regulated upland review area and 1,060 square feet in the wetland/watercourse area. Please note that trees and vegetation need to only be cut and removed. Stumps may remain, and no soil disturbance is required.

At this time, we are requesting a determination for the need of an Inland Wetlands and Watercourses Application for this lot given that these are not proposed new activities, rather maintenance of an existing dam structure.

Should you have any further questions, please do not hesitate to call me.

Sincerely,

SLR International Corporation



Ryan McEvoy, PE  
Principal Civil Engineer

14997.00015.jl1321.ltr.dotx



## INLAND WETLANDS COMMISSION - CHESHIRE, CONNECTICUT

APPLICATION FOR INLAND WETLANDS AND WATERCOURSES PERMIT

Pursuant to the General Statutes of the State of Connecticut, and all subsequent amendments thereto, the undersigned hereby makes application for approval of permit (Inland Wetlands and Watercourses) for a parcel of land having approximately 4.9 wetland acres, which is part of a tract of land having 36.1 acres, located on (street name) Academy Rd & Wiese Rd. Said parcel is generally shown on the current Assessor's Map Plate No(s). 58, Lot No(s). 12, 17 and is located in a(n) R-40 zone district.

This permit application is part of a: ( ) Subdivision, ( ) Resubdivision, (x) Site Plan, ( ) Special Permit, ( ) Zone Change, ( ) Earth Removal, Filling or Regrading, ( ) Other \_\_\_\_\_

The undersigned warrants the truth of all statements contained herein and in all supporting documents according to the best of his knowledge and belief.

By signing this application, the applicant permits Commissioners and agents of the Commission to enter upon and inspect the property, at reasonable times, both before and after a final decision has been issued.

Applicant's Name Orchard View Associates, LLC  
(Print of Type)

Date April 6, 2021

Applicant's Address (Home) \_\_\_\_\_

(Office) 3074 Whitney Avenue, Building 2, Hamden, CT, 06518

Applicant's Signature \_\_\_\_\_

Telephone Number (Home) \_\_\_\_\_

(Office) (203) 640 0910

E-mail degennaroron@comcast.net

Fax No. \_\_\_\_\_

Owner's Name (Print or Type) Orchard View Associates, LLC

Owner's Address 3074 Whitney Avenue, Building 2, Hamden, CT, 06518

Owner's Signature \_\_\_\_\_

Engineer's Name (Print or Type) Ryan McEvoy, P.E. SLR International Corp.

Engineer's Address 99 Realty Drive, Cheshire, Connecticut 06410

Engineer's Signature \_\_\_\_\_

.....  
Agent, if other than applicant, to be contacted with regard to this application:

Name \_\_\_\_\_ Address \_\_\_\_\_

Telephone Number \_\_\_\_\_ Fax Number \_\_\_\_\_

E-mail \_\_\_\_\_  
.....

SEE ATTACHED SHEETS FOR THE INFORMATION NECESSARY TO COMPLETE THIS APPLICATION.

## APPLICATION FOR INLAND WETLANDS AND WATERCOURSES PERMIT

Purpose and description of the proposed activity (including the area of wetlands or watercourses to be disturbed); alternatives considered and why the proposal to alter wetlands set forth in this application was chosen: The purpose of the application is to perform regular maintenance of the berm and dam on the parcel along Honeyptot Brook. The activities include adding addition riprap along the toe fo the wall removal of vegetation. The maintenance is in areas previously disturbed as a result of the dam construction; however the removal of vegetation will occur in an area approximately 2,100 square feet within the 50' regulated upland review area and 1,060 square feet in the wetland/watercourse area. Please note that trees and vegetation need to only be cut and removed. Stumps may remain, and no soil disturbance is required.  
Applicant's interest in the land: ☒ Owner, ☐ Tenant, ☐ Lessee, ☐ Partner,

☒ Other Cu

*Please attach a list of adjacent property owners.*

Check in full payment of minimum application fee -- see attached fee schedule - (payable to Collector -- Town of Cheshire). An additional fee shall be required if significant wetland activity is determined upon acceptance of the application. The Commission may, at its option, refund this application fee for a non-regulated activity.

**NOTE:** In order to expedite the review of this application, and avoid unnecessary delay, it is important that the applicant and the land surveyor and/or professional engineer who shall prepare the maps and other plans shall carefully review the Inland Wetlands Regulations to be certain that the plans comply with all requirements contained therein. Applications must be received by the Town Planner's Office by 4 p.m. the Wednesday prior to the next regularly scheduled meeting of the Inland Wetlands Commission in order for the application to be included on the filed agenda and taken up by the Commission for discussion, action or otherwise.

Per Section 7.1E. of the Inland Wetlands and Watercourses Regulations, three copies of all application materials (including maps) shall be submitted with the original application to comprise a complete application or as is otherwise directed, in writing, by the Commission.

### OFFICE USE ONLY

Date Filed \_\_\_\_\_

Date Presented to Inland Wetlands Commission \_\_\_\_\_

Mandatory Action Date \_\_\_\_\_

Public Hearing Date \_\_\_\_\_

Final Action and Date \_\_\_\_\_



Planning Dept.

**Connecticut Department of  
Energy & Environmental Protection**  
Bureau of Water Protection & Land Reuse  
Inland Water Resources Division



## DAM SAFETY PROGRAM DAM INSPECTION REPORT FORM – FOR REGULATORY INSPECTION

Please complete this form in accordance with the instructions (DEEP-DAM-INST-002).

### Part I: Summary of Dam Inspection

Dam Name:	Honeypot Brook Dam	Inspection Date(s):	January 25, 2021
Alternate Dam Name(s):	Garthwait Pond Dam	CT Dam ID #:	2510
Location (Municipality):	Cheshire	Temperature / Weather:	Cool, sunny 37°F
Registered?: Yes or No <small>If yes, provide the 9 digit registration number found on the notification letter.</small>	Registered, but no number	Pool Level: <small>See Instructions</small>	1" above the spillway crest
Emergency Action Plan?: Yes or No <small>If Yes, see instructions</small>	No	Impoundment Use: <small>use options listed in instructions</small>	Aesthetics
Hydraulic and Hydrologic Analysis?: Yes or No <small>If Yes, see instructions</small>	No	Stability Analysis?: Yes or No <small>If Yes, see instructions</small>	No
Overall Condition: (refer to <a href="#">Appendix A</a> located at the end of this form) <b>Satisfactory</b>			

Persons present at the inspection <small>(select the tab button in the last cell to the right to create another row)</small>		
Name	Title/Position	Representing
Ted Hart	PE	SLR International Corporation

**Owners and Operators:** If there is more than one owner or operator, copy the empty table below for each owner or operator and paste right below the previous table, then complete the information for each

\*By providing this e-mail address you are agreeing to receive official correspondence from DEEP, at this electronic address, concerning the subject report. Please remember to check your security settings to be sure you can receive e-mails from ".ct.gov" addresses. Also, please notify DEEP if your e-mail address changes by email via

[deep.damsafety@ct.gov](mailto:deep.damsafety@ct.gov).

**Indicate if Owner or Operator:** Owner

Name: Orchard View Associates, LLC

Mailing Address: P.O. Box 185527

City/Town: Hamden

State: CT

Zip Code: 06518

Phone:

ext.:

Emergency Phone:

\*E-mail:

**Part II: General Dam Information**

<b>General Description:</b> Earth embankment with concrete core wall and concrete spillway			
<b>Hazard Classification:</b> A		<b>Dam Height (ft):</b> 8'	
<b>Dam Length (ft):</b> 95'		<b>Spillway Length (ft):</b> 14'	
<b>Spillway Type:</b> Broad-crested weir		<b>Normal Freeboard (ft):</b> 1.5'	
<b>Drainage Area (square miles):</b> 0.79 square miles		<b>Impoundment Area (at principal spillway crest, in acres):</b> 1.5 acres	
<b>Watercourse(s):</b> Honeypot Brook			

**OTHER INFORMATION:** (see instructions)



**Part III: Aerial Photo/Location Map** (insert the aerial photo and location map under this Part.  
See instructions for details.)

### Honeybrook Pond Dam





1/27/2021

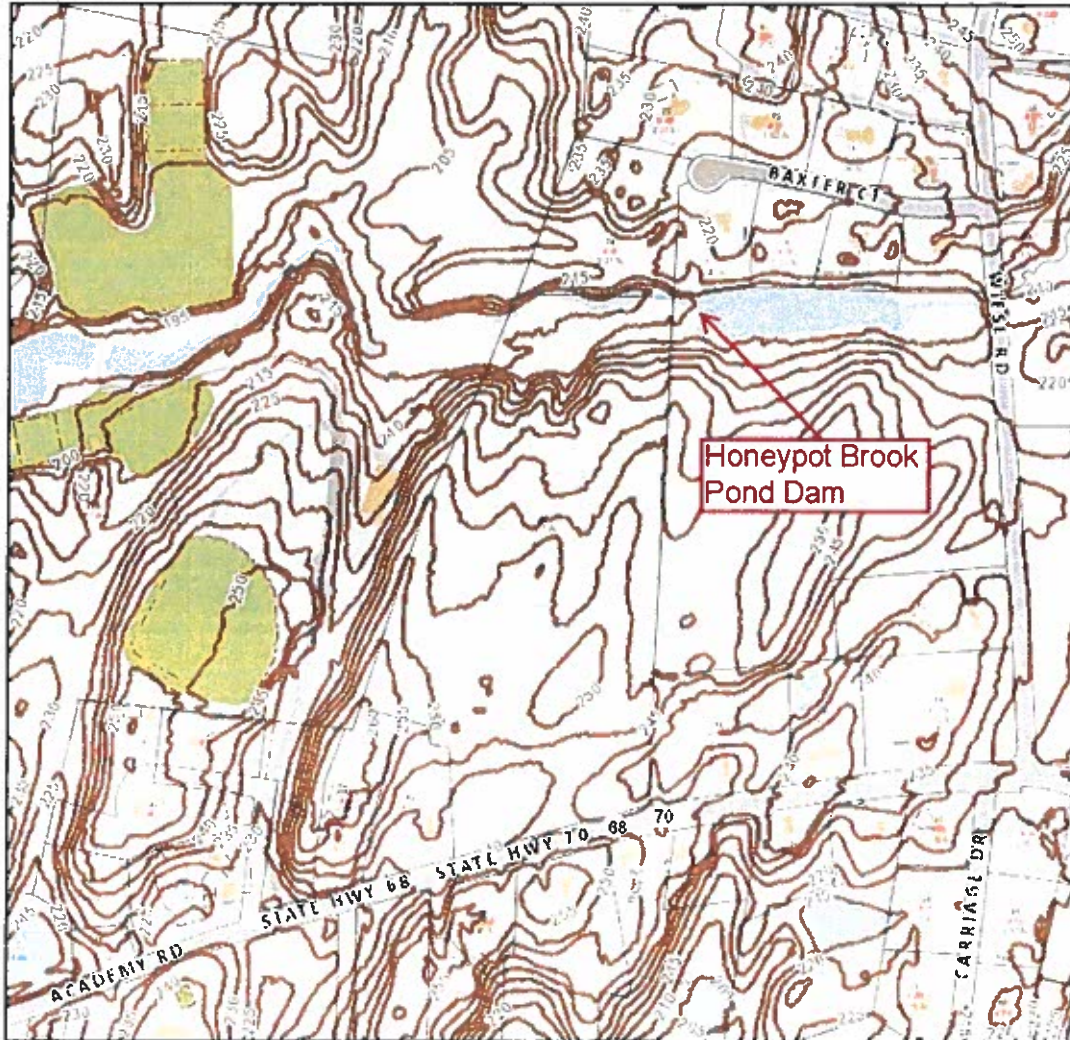
Print Map

# Town of Cheshire

## Geographic Information System (GIS)



Date Printed: 1/27/2021



### MAP DISCLAIMER - NOTICE OF LIABILITY

This map is for assessment purposes only. It is not for legal description or conveyances. All information is subject to verification by any user. The Town of Cheshire and its mapping contractors assume no legal responsibility for the information contained herein.

Approximate Scale: 1 inch = 400 feet



[https://cheshire.mapxpress.net/ags\\_map/](https://cheshire.mapxpress.net/ags_map/)

1/1



Westport

Seaview Drive

<https://www.google.com/maps/@41.5041982,-72.8917781,793m/data=!3m1!1e3>



## Part IV: Dam/Embankment/Dike Information

**Number of Dam/Embankments/Dikes:** 1 (if there is more than one dam/embankment or dike, reproduce this section and paste right below the previous section)

**Dam/Embankment/Dike Name (see instructions):** Honeypot Brook Dam

**General Description:** Earth embankment with a concrete core wall

**General Condition:** Satisfactory

**Concrete Condition:** Concrete core wall appears to be in good condition.

**Stone Masonry:** N/A

**Settlement/Alignment/Movement:** None observed

**Seepage/Foundation Drainage:** None observed

**Riprap:** There is riprap on both the upstream and downstream embankments to the left and right of the spillway.

**Erosion/Burrows:** Some erosion observed 10' to the left of the spillway. There is a scour hole 3' wide by 2' deep on the downstream side of the core wall. It appears that the scour may have been caused by overtopping flows.

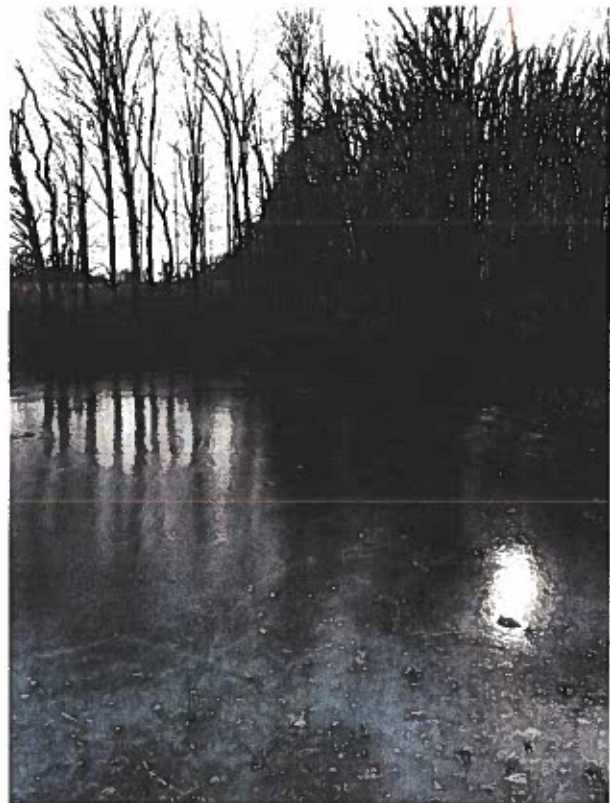
**Vegetative Cover:** On the left dam embankment, there is significant vegetation, including trees, brush, wild rose bushes, and logs from downed trees.

**Other:**

**Photos/Graphics/Sketches** (insert either below this Part or in Parts XIII and XIV, refer to the instructions under Parts XIII and XIV for additional details)



Left dam abutment

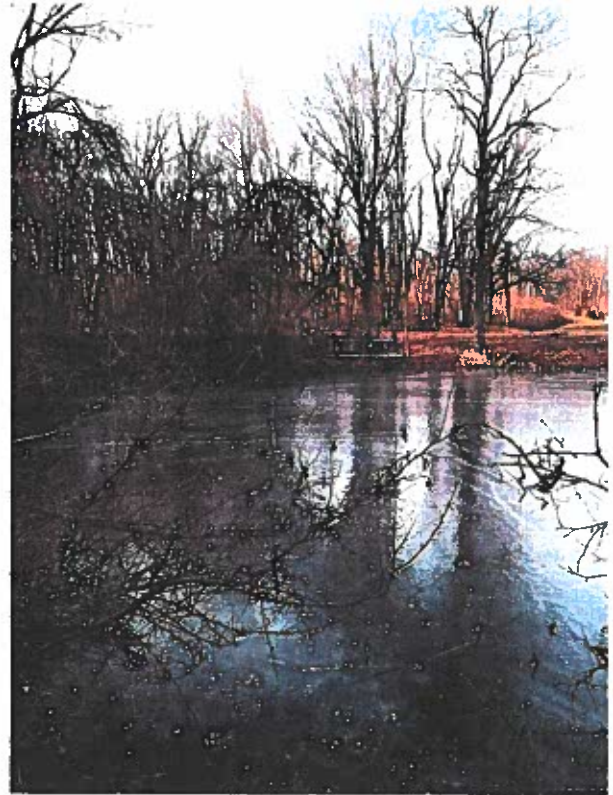


Left dam embankment and abutment





Right dam embankment and concrete core wall



Left dam embankment and view of thick vegetation



Scour area left of the spillway on the downstream side of the core wall



Downstream side of the left embankment



## Part V: Principal Spillway, Training Walls, Apron

**Number of Principal Spillways:** 1 (if there is more than one principal spillway, reproduce this section and paste right below the previous section)

**Spillway Type (see instructions):** Broad-crested weir. Downstream face has a batter 12"V to 4"H.

**General Description:** Concrete spillway 14' long, 18" freeboard

**General Condition:** Satisfactory

**Concrete Condition:** Concrete is in satisfactory condition. Some minor concrete spalling/deterioration at water line on the left and right spillway training walls. No other concrete deterioration observed.

**Stone Masonry:** N/A

**Settlement/Alignment/Movement:** No observed settlement or alignment problems.

**Cracks:** None observed

**Scouring/Undermining:** There is a spillway apron consisting of grouted riprap that extends 5' downstream from the concrete spillway. There is scouring below the spillway apron.

**Seepage/Foundation Drainage:** No seepage observed. No foundation drains observed.

**Other:** Bridge 20'L x 3.5' wide with wood handrail on the downstream side. Bridge deck consists of 6"x6" timbers. Bridge deck is in fair condition. Two steel pins located along the spillway crest once supported weir boards. There are weir board slots in the left and right spillway training walls.

**Photos/Graphics/Sketches** (insert either below this Part or in Parts XIII and XIV, refer to the instructions under Parts XIII and XIV for additional details)



Spillway with bridge



Spillway with bridge





Spillway and spillway apron



Spillway crest looking at left spillway abutment.  
Note, weir board slot in the left abutment and steel posts extending up out of the crest.



Wooden bridge over the spillway



Wooden bridge over the spillway with core wall  
in the foreground

## Part VI: Auxiliary Spillway, Training Walls, Apron

**Number of Auxiliary Spillways:** 0 (if there is more than one auxiliary spillway, reproduce this section and paste right below the previous section)

**Auxiliary Spillway Type (see instructions):**

**General Description:**

**General Condition:**

**Concrete Condition:**

**Stone Masonry:**

**Settlement/Alignment/Movement:**

**Cracks:**

**Scouring/Undermining:**

**Vegetative Cover:**

**Riprap:**

**Seepage/Foundation Drainage:**

**Other:**

**Photos/Graphics/Sketches** (insert either below this Part or in Parts XIII and XIV, refer to the instructions under Parts XIII and XIV for additional details)

## Part VII: Downstream Channel

**Number of Downstream Channels:** 1 (if there is more than one downstream channel, reproduce this section and paste right below the previous section)

**Channel Name (see instructions), include Watercourse Name:** Honeypot Brook

**General Description:** The downstream channel is lined with natural cobbles.

**General Condition:** Satisfactory

**Scouring:** Some scouring immediately below the spillway apron

**Debris:** Both channel banks are lined with brush. Approximately 50' downstream there are two trees that have fallen across the brook.

**Riprap:** Grouted riprap has been placed downstream of the spillway.

**Other:**

**Photos/Graphics/Sketches** (insert either below this Part or in Parts XIII and XIV, refer to the instructions under Parts XIII and XIV for additional details)





Showing brush-lined banks and trees fallen across the channel



Spillway apron and downstream channel



Downstream channel trees across the channel

## Part VIII: Intake Structure(s)

**Number of Intake Structures:** 0 (if there is more than one intake structure, reproduce this section and paste right below the previous section)

**Intake Structure Type (see instructions):** It appears that there may have been a pump intake used for agricultural irrigation located on the right side of the pond located approximately 100' upstream of the dam.

**General Description:**

**General Condition:**

**Concrete Condition:**

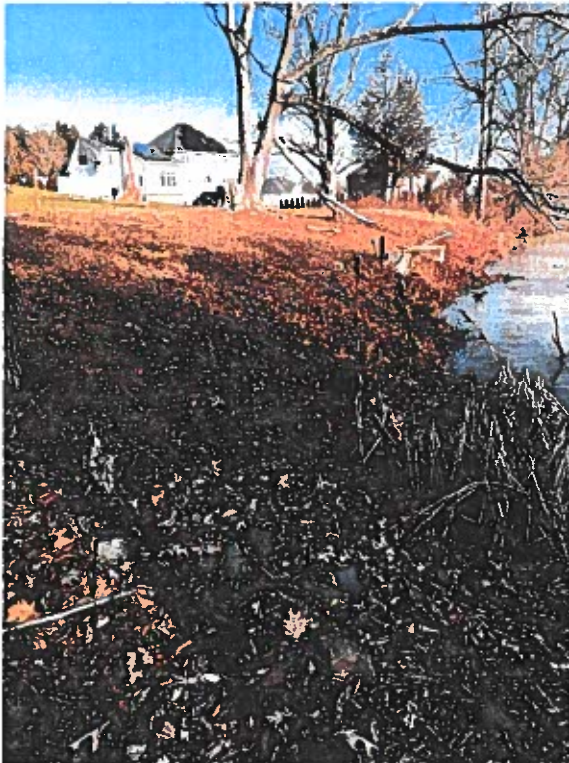
**Stone Masonry:**

**Settlement/Alignment/Movement:**

**Cracks:**

**Other:**

**Photos/Graphics/Sketches** (insert either below this Part or in Parts XIII and XIV, refer to the instructions under Parts XIII and XIV for additional details)



Concrete vault for abandoned irrigation system



Concrete vault for abandoned irrigation system





Concrete vault with irrigation pipe located to the right

## Part IX: Outlet Structure(s)

**Number of Outlet Structures:** 1 (if there is more than one outlet structure, reproduce this section and paste right below the previous section)

**Outlet Structure Type (see instructions):** Gate valve in the spillway apron.

**General Description:** No outlet structure observed in the pond. However, there is a 6" gate valve in the spillway apron that appears to have been designed for lowering the pond. The gate valve was not operated during the inspection, and it may not be operable. The upstream end of the outlet pipe was not observed.

**General Condition:** N/A

**Concrete Condition:** N/A

**Stone Masonry:** N/A

**Settlement/Alignment/Movement:** N/A

**Scouring/Undermining:** N/A

**Other:** N/A

**Photos/Graphics/Sketches** (insert either below this Part or in Parts XIII and XIV, refer to the instructions under Parts XIII and XIV for additional details)



Gate valve located in spillway apron



Gate valve located in spillway apron

## Part X: Miscellaneous Features

**List miscellaneous features:** (e.g., access roads, bridges, etc.): Wooden footbridge over the spillway. The bridge is 20' long by 3.5' wide and is constructed with 6" x 6" timbers, and it has one handrail. The bridge is in fair condition.

**Photos/Graphics/Sketches** (insert either below this Part or in Parts XIII and XIV, refer to the instructions under Parts XIII and XIV for additional details)

## Part XI: Downstream Hazard Classification Reassessment

**Downstream Hazard Classification:** *(provide recommendation for the hazard class based on the Dam Safety regulation. See Instructions and [Appendix B](#).)*

Class A dam. Possible damage to driveway that accesses athletic fields and a small dam before reaching a very large wetland/marsh system.

## Part XII: Recommendations *(See instructions for identifying recommendations)*

**Recommendations:** *(Each item should be numbered)*

1. Clear the dam of trees, brush, and vines within 25' of the toe of the dam.
2. Maintain the dam and area within 25' of the toe of the dam in a mowed condition.
3. Repair scour area to the left of the spillway with additional riprap.
4. Place riprap or native boulders downstream of the spillway apron.

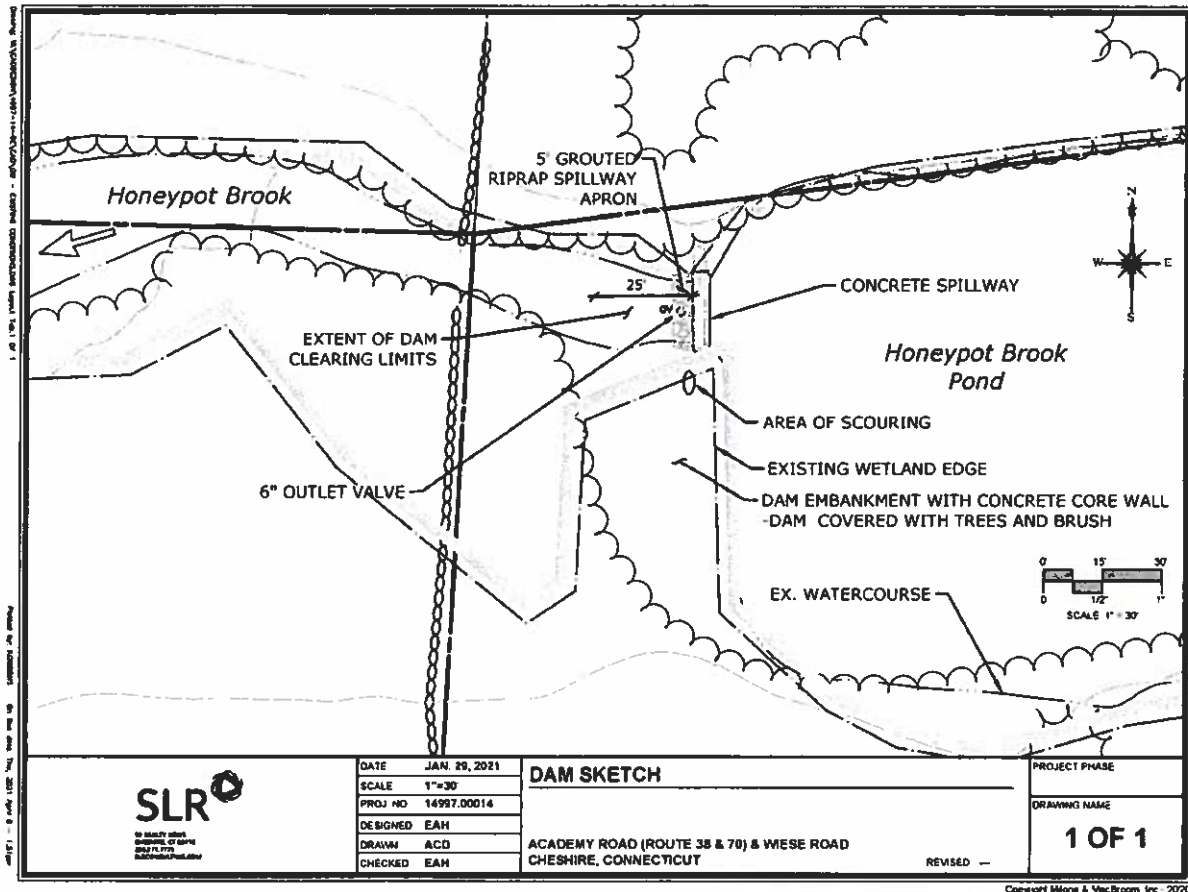
## Part XIII: Photographs/Graphics *(see instructions and [Appendix C](#))*

*(insert photos/graphics here if not included in each part above)* Photos are included in each part above.

## Part XIV: Sketches

This completed report must include a sketch of the plan view of the dam to aid in the description of its condition. Refer to the instructions for more detail and an example.

[insert sketches here if not included in each part above].



14997.00014.0090.j2821.rpt

[Insert Dam Name]

[Insert Dam ID#]

[Insert Inspection Date]

**Part XV: Professional Engineer Certification**

The following certification must be signed by a Professional Engineer

"I hereby certify that the information provided in this report has been examined by me and found to be true and correct in my professional judgment."

*Edward A Hart*  
Signature of Professional Engineer

*1/29/21*  
Date

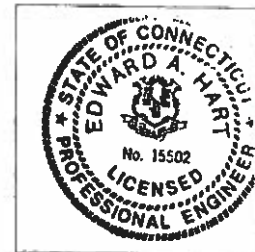
*Edward A Hart*  
Printed Name of Professional Engineer

*PE*  
Title

*15502*  
CT P.E. Number

*SLR Consulting*  
Name of Firm


Affix P.E. Stamp Here





**Part XVI: Owner Signature**

The following statement must be signed by the Owner(s) of the subject Dam.

"The information provided in this report has been examined by me."	
 Signature of Owner	7/13/21 Date
Name of Owner (print or type)	Title (if applicable)
Signature of Owner	Date
Name of Owner (print or type)	Title (if applicable)
Signature of Owner	Date
Name of Owner (print or type)	Title (if applicable)
Signature of Owner	Date
Name of Owner (print or type)	Title (if applicable)

**Note: Mail the completed inspection report to:**

**DAM SAFETY PROGRAM  
INLAND WATER RESOURCES DIVISION  
CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION  
79 ELM STREET  
HARTFORD, CT 06106**

In addition, please send this completed report converted to Adobe portable document format (pdf) including a scan of the signature page via email to: [DEEP.DamSafety@ct.gov](mailto:DEEP.DamSafety@ct.gov)

## Appendix A: Overall Dam Condition Selection Standards

Condition	Definition
Good	Through file research and after a thorough visual inspection it has been determined that the dam is well maintained and no existing dam safety deficiencies are recognized. Only continued routine maintenance is required.
Satisfactory	Through file research and after a thorough visual inspection it has been determined that no significant deficiencies are recognized. Only minor maintenance is required and only minor flaws are noted.
Fair	Through file research and after a thorough visual inspection it has been determined that there are no critical deficiencies with the dam that would require engineering analysis with the following exception: the engineer may recommend that a hydrologic and hydraulic analysis be conducted due to the lack of adequate freeboard and/or the lack of spillway capacity documentation. A condition exists at the dam that may require some sort of additional monitoring.
Poor	Through file research and after a thorough visual inspection it has been determined that deficiencies are recognized that require engineering analysis and/or remedial action.
Unsatisfactory	Through file research and after a thorough visual inspection it has been determined that a deficiency is recognized that requires immediate or emergency action. Administrative/Enforcement action may be required as determined by the Dam Safety Program. Reservoir level restrictions may be necessary until the problem is resolved.

## **Appendix B - Hazard Classification of Dams**

**I. A Class AA dam is a negligible hazard potential dam which, if it were to fail, would result in the following:**

- (i) no measurable damage to roadways;
- (ii) no measurable damage to land and structures;
- (iii) negligible economic loss.

**II. A Class A dam is a low hazard potential dam which, if it were to fail, would result in any of the following:**

- (i) damage to agricultural land;
- (ii) damage to unimproved roadways (less than 100 ADT);
- (iii) minimal economic loss.

**III. A Class BB dam is a moderate hazard potential dam which, if it were to fail, would result in any of the following:**

- (i) damage to normally unoccupied storage structures;
- (ii) damage to low volume roadways (less than 500 ADT);
- (iii) moderate economic loss.

**IV. A Class B dam is a significant hazard potential dam which, if it were to fail, would result in any of the following:**

- (i) possible loss of life;
- (ii) minor damage to habitable structures, residences, hospitals, convalescent homes, schools, etc;
- (iii) damage to or interruption of the use of service of utilities;
- (iv) damage to primary roadways (less than 1500 ADT) and railroads;
- (v) significant economic loss.

**V. A Class C dam is a high hazard potential dam which, if it were to fail, would result in any of the following:**

- (i) probable loss of life;
- (ii) major damage to habitable structures, residences, hospitals, convalescent homes, schools, etc;
- (iii) damage to main highways (greater than 1500 ADT);
- (iv) great economic loss.

## Appendix C - PHOTOGRAPH INSTRUCTIONS

All photographs shall be color photographs. Photographs shall be clear and include scale references where applicable. Photographs shall include, but not be limited to the following:

1. Overview of dam(s)/dike(s) from upstream
2. Overview of dam(s)/dike(s) from downstream
3. Overview of upstream face from right abutment
4. Overview of upstream face from left abutment
5. Overview of dam crest from right abutment
6. Overview of dam crest from left abutment
7. Overview of downstream face from right abutment
8. Overview of downstream face from left abutment
9. Overview of spillway(s) from upstream
10. Overview of spillway(s) from downstream (tailrace or channel area)
11. Overview of right training wall(s)
12. Overview of left training wall(s)
13. Overview of weir
14. Overview of stilling basin
15. Overview of downstream channel
16. Overview of gatehouse exterior
17. Overview of gatehouse interior
18. Overview of operators
19. Outlet inlets and discharge points
20. Overview of reservoir area
21. Areas of specific deficiencies (e.g., cracks, erosion, displacement, seeps, deterioration, etc.)