INSPECTION REPORT

CRYSTAL POND DAM
CT DEEP #03908 / HAZARD CLASS "BB"

CRYSTAL POND BROOK
COVE ROAD EAST & WEST
EASTFORD, CONNECTICUT

PREPARED FOR:

CRYSTAL POND ASSOCIATION, INC.

MARCH 2026

Prepared by:

KARL F. ACIMOVIC, P.E.
588 Stonehouse Road
Coventry, CT 06238

DAM SAFETY PROGRAM
DAM INSPECTION REPORT FORM – FOR REGULATORY INSPECTION

Please complete this form in accordance with the instructions (DEEP-DAM-INST-002). Please note that a separate inspection report is required for each individual structure (i.e., a dam and dike on the same waterbody would require two reports, one for the dam and one for the dike).

Part I: Summary of Dam Inspection

Dam Name:	**Crystal Pond Dam**	Inspection Date(s):	**Oct. 27, 2025** **Apr. 13, 2026**
Alternate Dam Name(s):		CT Dam ID #:	**03908**
Location (Municipality):	**Eastford**	Temperature / Weather:	**55° F (10-27-2025)** **67° F (04-13-2026)**
Registered?: Yes or No If yes, provide the 9 digit registration number found on the notification letter.	**Yes** **(Number Not Available)**	Pool Level: See Instructions	**½" Below Crest** *(10-27-2025)* **1" Above Crest** (*04-13-2026)*
Emergency Action Plan?: Yes or No If Yes, see instructions	**N/A**	Date of last EAP Exercise: See instructions	**N/A**
Date of latest EAP revision: See instructions	**N/A**	Impoundment Use: use options listed in instructions	**Recreation & Conservation**
Hydraulic and Hydrologic Analysis?: Yes or No If Yes, see instructions	**No**	Stability Analysis?: Yes or No If Yes, see instructions	**No**
Overall Condition of Dam: **Fair**			

Persons present at the inspection *(select the tab button in the last cell to the right to create another row)*		
Name	**Title/Position**	**Representing**
Karl F. Acimovic, P.E.	**Consulting Engineer**	**Inspector**

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.

Indicate if Owner or Operator:	**Owner & Operator**		
Name:	**Crystal Pond Association, Inc. (Richard Bray, Pres.)**		
Mailing Address:	**P.O. Box 349**		
City/Town:	**Eastford**	State: **CT**	Zip Code: **06242**
Phone:	**(860) 250-6619**	ext.:	
Emergency Phone:	**(860) 250-6619**		
*E-mail:	**crystalpondassociation@gmail.com**		

Part II: General Dam Information

General Description: The dam is composed of an earth embankment with partial downstream stone wall sections and remnants thereof, an upstream slope of small riprap and a crest of well-maintained grass cover. It is approximately 250 ft. in overall length, an average of 25 ft. in width between upstream and downstream slopes, and an average height of 5 ft. The spillway, a small broad crested weir section with a short downstream apron joined directly to the streambed, is 12 ft. wide, with training walls 1 ft. high and about 1.8 ft. below the average dam height. The right[1] side of the spillway ties directly into the right side abutment.			
Hazard Classification:	BB	**Dam Height (ft):**	5’
Dam Length (ft):	250’	**Spillway Width (ft):**	12’
Spillway Type:	Broad Crested Weir	**Normal Freeboard (ft):**	1.0’
Drainage Area (square miles):	0.86 sq. mi.	**Impoundment Area (at principal spillway crest, in acres):**	145 ac.
Watercourse:	Crystal Pond Brook		

History – The earliest available map records indicate the presence of the pond on the 1811 Warren Map of Connecticut (prior to the establishment of Eastford as a town separate from Ashford), then subsequently on the 1850 Mitchell Map of Connecticut, and finally on the 1850s Petersen map of the various towns of Connecticut, with the same approximate shape and location as currently exists. Later, it was noted on the earliest USGS mapping of 1892 and subsequently also clearly visible on the first aerial photographs of Connecticut from the 1934 Fairchild Aerial Survey. Though little is known of the site’s earliest and subsequent use, it is assumed to have been used to store water for the use of an adjacent or downstream mill.

Phase I Report - No documentation of a Phase I report was found in the records of the Connecticut DEEP Dam Safety Section.

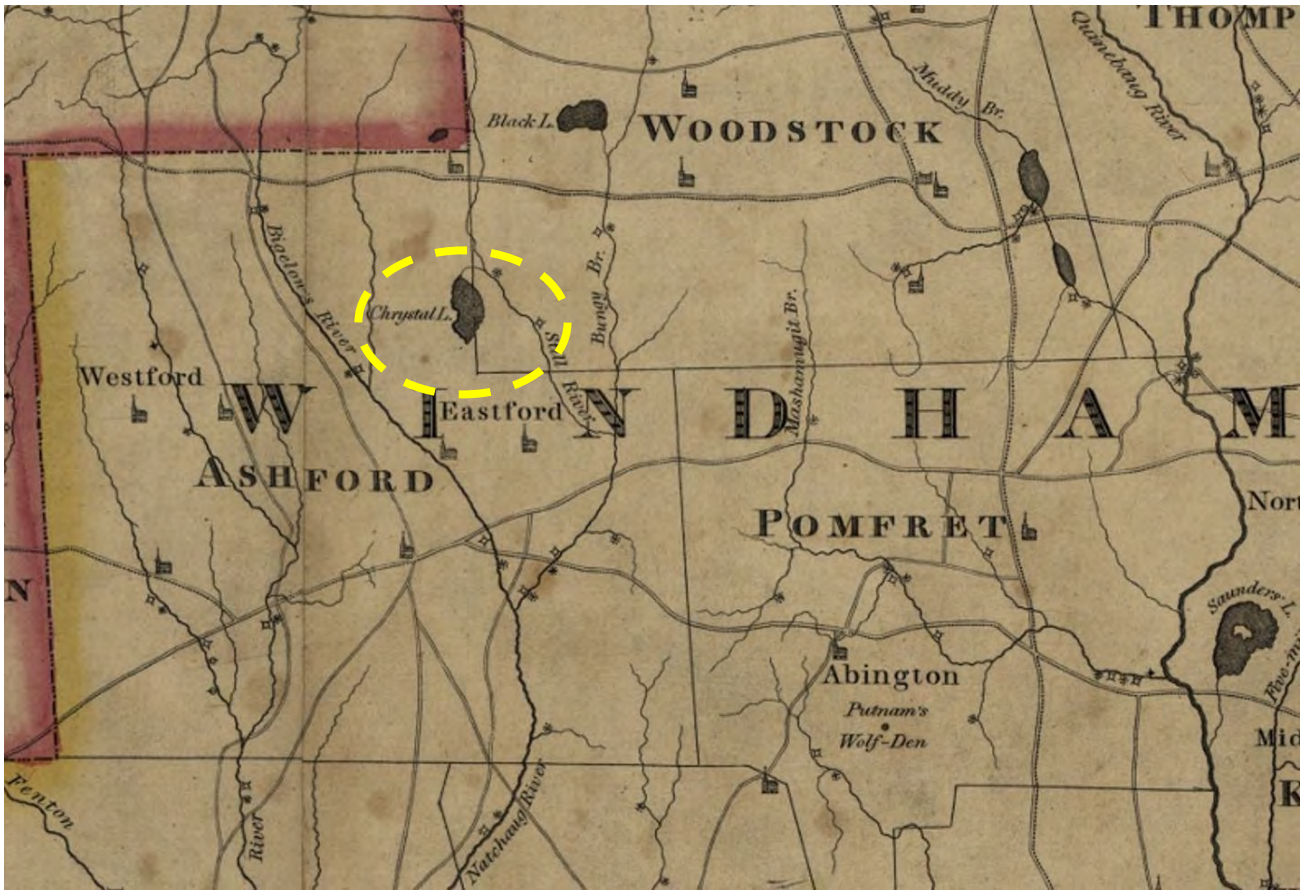
Other Reports & Information – Information on file with the DEEP Dam Safety Section includes a copy of an inspection report prepared by Fuss & O’Neill in August of 2018, at which time seepage was detected in several locations, along the left side of the dam, near the center outlet area and on the left side of the spillway. Dye testing done at the time indicated outflow along the downstream toe areas, but outflow was noted as clear and not carrying sediment. A reference on the sketches noted a repair completed in 2009, but without further detail. It appears that it may be in the same area or nearby to the downstream seepage noted during the current inspection. Further, the report noted a leaning section of wall on the downstream face and made recommendations to monitor the site and suggested repairs if necessary.

Hydrology & Hydraulics – No hydrologic and hydraulic analysis was found in the available records. A brief analysis using USGS StreamStats did not yield sufficient or verifiable information with respect to watershed size, delineation and storage.

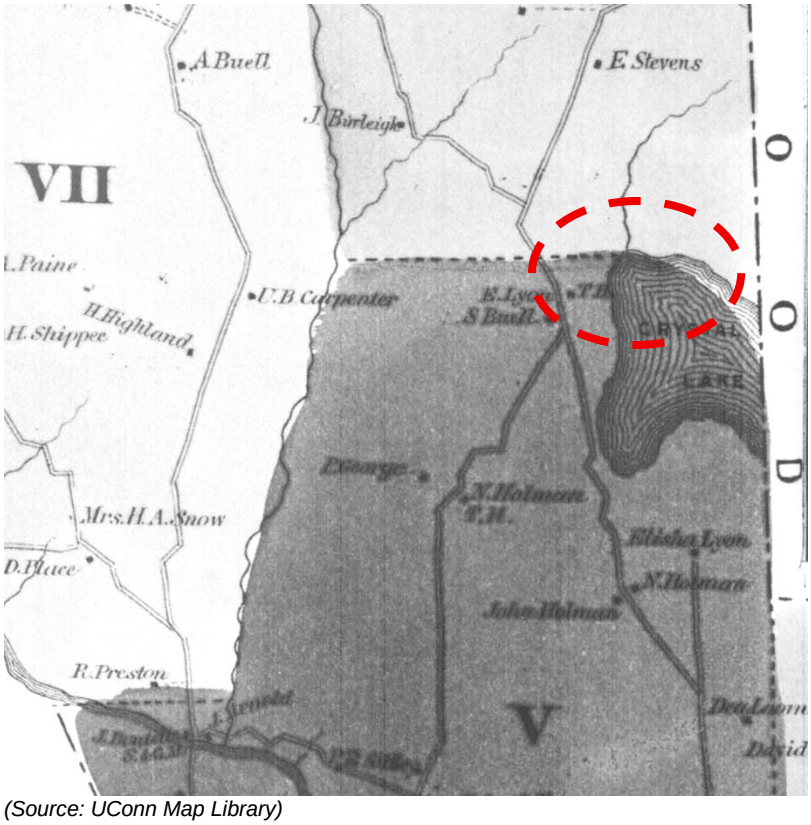
Stability Analysis – Again, no record of a stability analysis was found in the archives of the DEEP or other sources. At present, the dam was found to be in stable and well maintained condition and, as such, none is recommended at this time. See Recommendations for routine monitoring of slope conditions.

Emergency Action Plan – For the current hazard rating and downstream conditions, no EAP is required or recommended.

[1] Note that references to left and right, as used and described in this report, are always referenced looking in a downstream flow direction.



1811 Warren Map of Connecticut
(Source: UConn Map Library)



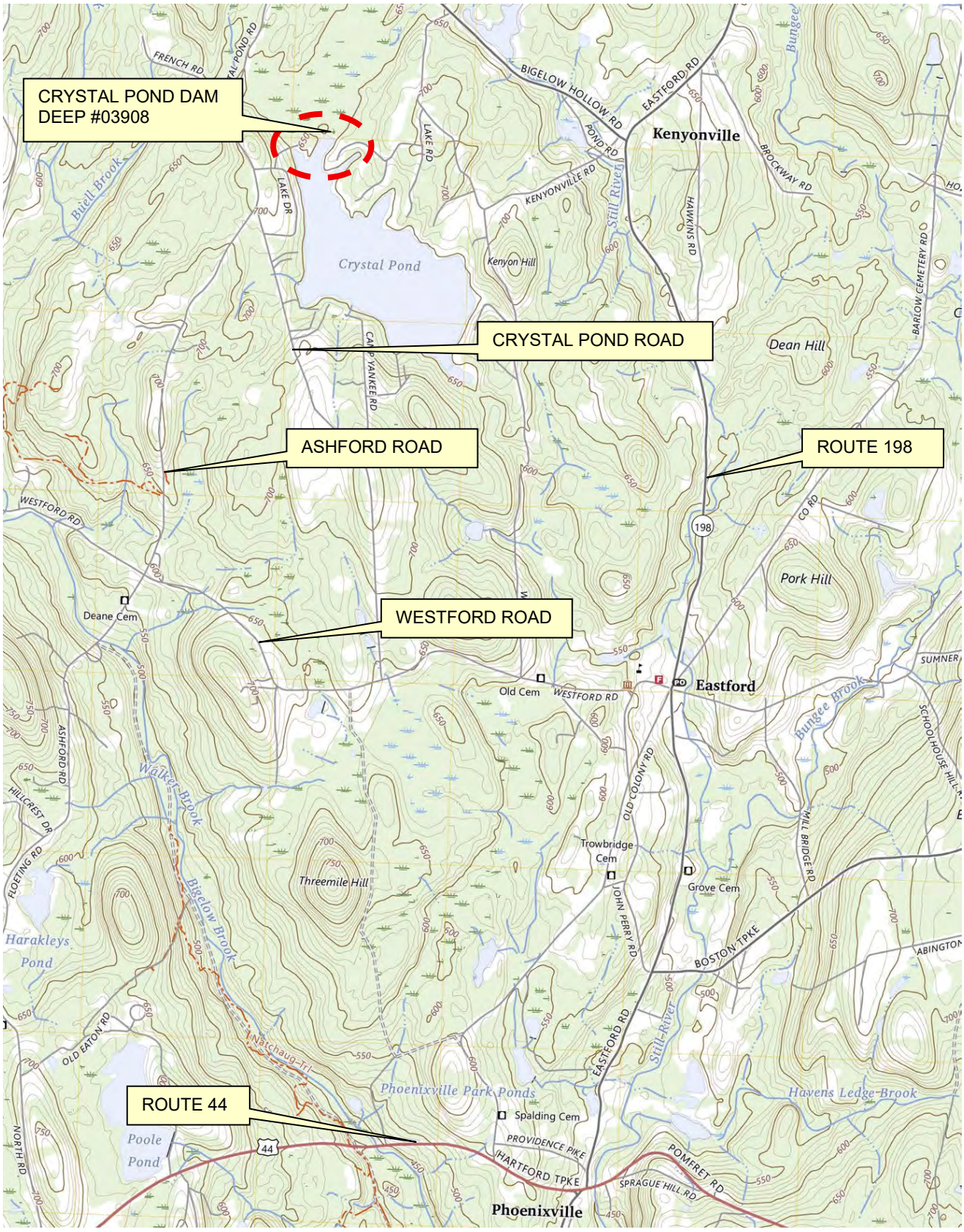
(Source: UConn Map Library)

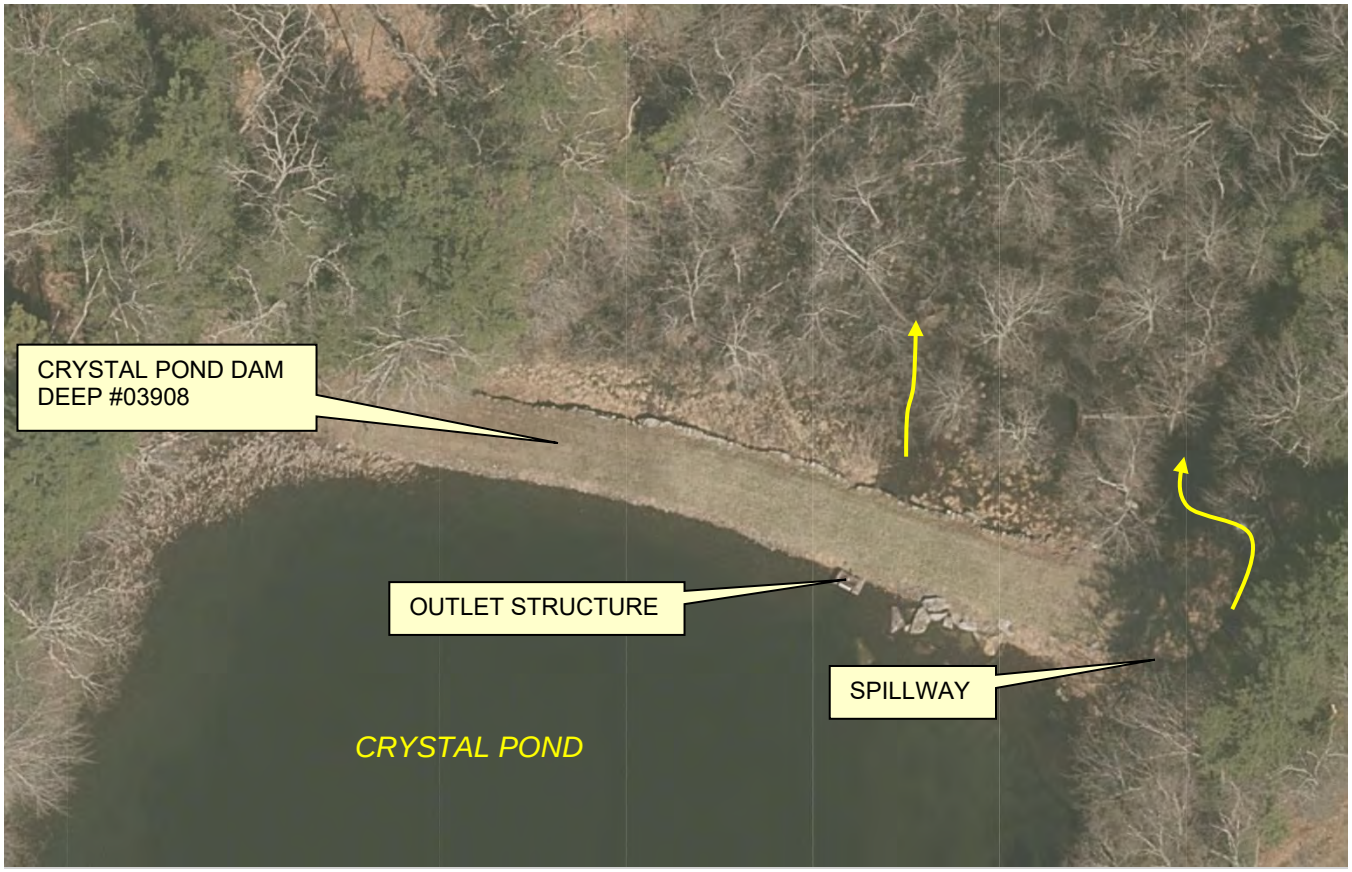
The 1850s Petersen Map of Eastford depicting Crystal Pond in the approximate size and location as presently exists.

1934 Aerial View

(Source: UConn Map Library / Fairchild Aerial Surbey of Connecticut)

Part III: Aerial Photo / Location Map





AERIAL OVERVIEW

(Source: UConn Map Library 2023 Aerial Survey)

Part IV: Dam Information

Dam Name: Crystal Pond Dam

General Description: The dam is composed of an earth embankment with partial downstream stone wall sections and remnants thereof, an upstream slope of small riprap and a crest of well-maintained grass cover. It is approximately 250 ft. in overall length, an average of 25 ft. in width between upstream and downstream slopes, and an average height of 5 ft. The spillway, a small broad crested weir section with a short downstream apron joined directly to the streambed, is 12 ft. wide, with training walls 1 ft. high and about 1.8 ft. below the average dam height. The right side of the spillway ties directly into the right side abutment.

General Condition: Fair

Concrete Condition: Not applicable to the embankment sections of the dam. See below for spillway.

Stone Masonry: Stone wall sections form a part of the downstream embankment, with a full vertical wall along the left end of the downstream side to partially collapsed or randomly set sections along the remaining toe areas proceeding to the right side of the dam embankment. Though randomly set along much of the toe and downstream slope, all stones are firmly in place with surrounding grass, well maintained, and no current signs of instability.

Settlement / Alignment / Movement: Though there were signs of past displacement of wall stone, there were no signs of current movement of recent settlement or alignment issues.

Seepage / Foundation Drainage: The entire downstream area consists of a marsh that is normally saturated and sets directly up against the toe area of the embankment (see Photos 2, 7 and 8). One seepage area along the left side observed and monitored by a standpipe on a long term basis did not show any signs of outflow on this occasion. A seepage area near the right side end of the dam, approximately 35 – 40 ft. left of the spillway, showed flow emanating at an approximate rate of 5 – 10 gpm. Flow was noted as clear with no signs of sediment transport. In addition, minor seepage at a flow rate of less than 1 gpm was noted from the low level outlet area. It is thought this seepage may be either flow through the gate area or leakage out of joints in the low level outlet pipe. This may be a contributor to the small depressions noted under Erosion / Burrows, below.

Riprap: Riprap, from modified to intermediate size in appearance, is present along the upstream shoreline, blending in well with the grass cover along the crest. It is stable and showed no signs of erosion or other anomalies along the length of the dam.

Erosion / Burrows: A small erosion area was noted at the downstream slope adjacent to the left side of the low level outlet. It is a smooth, grooved patch of exposed soil along the water's edge that appears to be from beavers or other semi-aquatic mammals crawling in and out of the water at the same spot. (Note that a mink was observed along the right side of the spillway during the current inspection.) In addition, two small depressions were noted on top of the downstream embankment area, one of which measured approximately 6" in diameter and about 1 ft. deep during the October 2025 inspection.

Vegetative Cover: The embankment, including the downstream slope, is covered with a stabilized and well maintained grass cover.

Other:

Photos / Graphics / Sketches: See Parts XIII and XIV for photos and sketches.

Part V: Principal Spillway, Training Walls, Apron

Number of Principal Spillways: 1

Spillway Type: Broad Crested Weir

General Description: A small concrete spillway with a 12-ft. wide opening on the upstream end, tapering to a 10-ft. width at its downstream apron. There are shallow training walls on both sides, one foot high. The weir crest is set about 1.8 ft. below the crest of the dam.

General Condition: Stable, with no signs of any irregularities.

Concrete Condition: Good.

Stone Masonry: Not applicable.

Settlement / Alignment / Movement: None observed.

Cracks: None observed.

Scouring / Undermining: None observed.

Seepage / Foundation Drainage: None observed.

Other: There is a farm type steel gate crossing the top of the dam and the spillway.

Photos / Graphics / Sketches: See Parts XIII and XIV for photos and sketches.

Part VI: Auxiliary Spillway, Training Walls, Apron

Number of Auxiliary Spillways: 0

Auxiliary Spillway Type: There is no auxiliary spillway at this site.

Part VII: Downstream Channel

Number of Downstream Channels: 2

Channel Name / Watercourse Name: Crystal Pond Brook

General Description: The channel of this brook has a stable base, showing no signs of scour or erosion, covered with small stone, typically not exceeding modified riprap in size. Its side slopes consist of earth embankments, covered with relatively dense vegetation near the spillway discharge, then coursing through a dense downstream marsh with tall phragmite type vegetation (see photos).

General Condition: Stable.

Scouring: None observed.

Debris: Minor.

Riprap: Not applicable.

Other:

Photos/Graphics/Sketches: See Parts XIII and XIV for photos and sketches.

Channel Name / Watercourse Name: Low-Level Outlet Channel

General Description: Discharge stream into a dense marsh, with a soft soil bottom base.

General Condition: Stable.

Scouring: Minor at the direct discharge point of the outlet pipe.

Debris: None observed.

Riprap: Not applicable.

Other:

Photos/Graphics/Sketches: See Parts XIII and XIV for photos and sketches.

Part VIII: Intake Structure(s)

Number of Intake Structures: 1

Intake Structure Type: Gate controlled structure to a low level outlet.

General Description: Concrete structure with a steel grate on top and a steel grate between the top and normal water level on the upstream vertical face opening. The right and left side of the structure are tapered (see photos).

General Condition: Good.

Concrete Condition: Weathered surface, but stable.

Stone Masonry: Not applicable.

Settlement / Alignment / Movement: None observed.

Cracks: None observed.

Other: Reference is made to an as-built report for its refurbishment, under a DEEP Dam Safety General Permit, in November of 2025. This report is on file with the Dam Safety Section.

Photos/Graphics/Sketches: See Parts XIII and XIV for photos and sketches.

Part IX: Outlet Structure(s)

Number of Outlet Structures: 1

Outlet Structure Type: Low level outlet pipe.

General Description: A 24-inch cast iron outlet pipe emanating from the upstream intake sluice gate, to its terminus at the base of the downstream stone wall area at the discharge point.

General Condition: Fair. No irregularities were noted, but the pipe is typically partially filled with water due to its low setting within the wet area of the downstream marsh.

Concrete Condition: Not applicable.

Stone Masonry: Not applicable to the low level outlet. But, as noted, the end of the pipe passes through the base of a stone wall section.

Settlement / Alignment / Movement: None observed.

Scouring / Undermining: Only minor scour directly at the pipe outlet base, not contributing to any instabilities.

Other: Because of small depressions along the top of the downstream embankment in the vicinity of the outlet, there may be seepage out of the pipe joint(s). While it could not be corroborated by actual observations, a recommendation has been made to closely monitor the area (see Part XII).

Photos / Graphics / Sketches: See Parts XIII and XIV for photos and sketches.

Part X: Miscellaneous Features

Access – There is access to both sides of the dam, particularly from an accessway on the left side. The right side, while accessible, would require clearing of brush and small trees along an old wood path if construction equipment were to be required in the vicinity of the right side abutment and spillway.

Boat Launch – None present at the site of the dam.

Bridges – None present and none required for either construction or maintenance access.

Dry Hydrant – None present.

Safety / Security – The site is located on association property with no public access, with signage to prohibit public access on both sides.

Photos/Graphics/Sketches: See Parts XIII and XIV for photos and sketches**.**

Part XI: Downstream Hazard Classification Reassessment

Downstream Hazard Classification:

The dam is currently rated as a “BB” hazard dam and, based on a visual inspection of available data with respect to downstream residential housing and infrastructure, it is recommended that the rating remain as is, pending any newly available data (particularly topographic) since the original assessment was completed.

Part XII: Recommendations

1. Removal of Vegetation – While there is a well-established grass cover over the greater part of the dam embankment, there are two areas that have brush and / or trees within the 25-foot limit area to be maintained clear around the perimeter of the dam. These are situated along or near the left downstream abutment and in the vicinity of the right side abutment adjacent to both sides of the spillway (along its right and immediate downstream left sides). These areas, as well as any others within the 25-foot limit should be cleared, and all cut trees, brush, branches, vines, and other debris should be moved away from the dam area; they should not be left in piles on or near the dam and spillway. Once trees, in particular, are cleared, a judgment should be made with the assistance of an engineer as to the efficacy of removing stumps and or root systems which may interfere with the functioning or safety of the dam.

2. Stone Walls – The downstream of the dam is a combination of dry-laid stone retaining wall, irregular stone and grass slope. As described within the previous sections of this report, the wall sections are stable, but irregular; in some cases stones appear to have toppled from older wall sections over time. There is, however, no sign of erosion or sloughing, there are no exposed soil areas and the overall area has a firm grass cover similar to the crest. It is recommended that the area be monitored on a routine basis (see No. 5, below) and any questionable slope movement or wall displacement be brought to the attention of an engineer for further assessment.

3. Seepage / Leakage – Movement of water through the dam is an important issue for all earth embankment support structures. As noted, there are small areas of minor discharge that must be monitored for any changes in the amount of flow or the quality of discharge with respect to potential transport of sediment from within the embankment. Should any of these change over time, particularly with fluctuating water levels in the impoundment, an engineer should be consulted to evaluate possible stability issues related thereto.

4. Embankment Condition – Several small depressions were noted in the vicinity of the low level outlet discharge on the downstream embankment crest. These should be observed on a regular basis, filled in with impervious materials if on the upstream side or top crest, and pervious materials if on the downstream slope or toe area. Again, any significant openings should be assessed by an engineer for potential issues related to stability/

5. Inspection and Monitoring – This dam is currently rated as a "**BB**" hazard, a moderate hazard potential classification. In addition to required and scheduled inspections by an Engineer at intervals prescribed by the Dam Safety Section of the Connecticut DEEP (scheduled for once every seven years for this hazard rating), it is recommended that the Owner check the dam at least once a year and following extreme weather events. For this purpose, the Dam Safety Section has a publication entitled "Guidelines for Inspection and Maintenance of Dams", available for download on their website at:

https://portal.ct.gov/DEEP/Water/Dams/Dam-Inspections

It is also recommended that a written record (the reference guidelines noted above have a checklist template for this purpose) be kept of any such inspection, particularly with respect to high water levels or unusual flow or seepage conditions encountered during storm events. Any unusual observation or questionable impact as a result of such events should be brought to the attention of either an Engineer or the Dam Safety Section of the DEEP.

6. Engineering & Permitting – The following is taken from the DEEP Dam Safety guidelines: "Some activities identified in the inspection report may require a Dam Safety permit. Information on Dam Safety permits is available on the DEEP Dam Permitting webpage:

https://portal.ct.gov/DEEP/Water/Dams/Dam-Permitting

which includes examples of activities that require a Dam Safety permit. We recommend working with your consulting engineer to identify required permits for work identified in the inspection report."

Part XIII: Photographs/Graphics

Note: Some photos within this report may be duplicates. This is made necessary by the general requirement of the DEEP / Dam Safety inspection format which requires specific numbered views for certain portions of the dam. Hence, photos which depict more than one required feature may be shown more than once to satisfy these requirements. The numbering sequence of the photos follows that of the DEEP form.

Photo 1 - The upstream side of the dam as seen from its right side.

Photo 2 – An overview of the downstream side as seen from the left downstream embankment.

Photo 3 – The upstream face of the dam, seen from the right side abutment area.

Photo 4 – The upstream face, seen from the left side abutment.

Photo 5 – The dam crest, taken from the right side abutment.

Photo 6 – An overview of the dam crest, seen from the left side abutment.

Photo 7 – The downstream face of the dam, taken from the right side of the dam.

Photo 8 – The downstream face of the dam, seen from the left side abutment.

Photo 9 – The spillway, seen from its left upstream side.

Photo 10 – A second overview of the spillway, from its left downstream side.

Photo 11 – The short section of the right side spillway training wall.

Phot 12 – The left side training wall, with the weir on the left and short downstream apron on the right.

Photo 13 – An overview of the weir, with the short section of sloped downstream apron to the left.

Photo 14 – The sloped stilling basin area, just downstream of the spillway apron.

Photo 15a – The immediate spillway channel area downstream of the spillway.

Photo 15b – The discharge channel from the low level outlet, looking toward a dense downstream marsh.

Photo 16a - The exterior of the gate control structure, seen from its left downstream side with Crystal Pond to the right.

Photo 16b – The exterior of the gate control structure, seen from its right upstream side, taken at the completion of its reconstruction in November 2025 under a DEEP Dam Safety General Permit.

Photo 17 – The interior of the intake / outlet gate control structure, seen from its upstream side while under reconstruction during November of 2025.

Photo 18 – A view of the gate operator, at bottom left, taken during the structure refurbishment noted in the previous photos.

Photo 19a – The discharge point of the 24-inch cast iron low level outlet pipe on the downstream embankment slope, taken during the outlet structure's repair.

Photo 19b – A closeup view of the discharge end of the outlet pipe.

Photo 20a – An overview of Crystal Pond from near the left side of the dam.

Photo 20b – Another view of Crystal Pond looking eastward toward its right side.

Photo 21a – Depressions and shallow holes in the vicinity of the downstream embankment area of the low level outlet pipe discharge. Note also the continued presence of a beaver slide on the left side of the outlet area. (Photo taken 04-13-2026)

Photo 21b – A closeup of one of the holes about 2 ft. upstream of the outlet and about 1.5 ft. left of the center line of the pipe. (Photo taken 10-27-2025)

Photo 21c – A view of the downstream right side of the embankment, showing both a saturated marsh area along the base of an embankment composed of earth slope and random stone remnants from an old presumed stone retaining wall.

Photo 21d – An overview of a leakage area along the base of the downstream slope, approximately 35 – 40 ft. left of the spillway

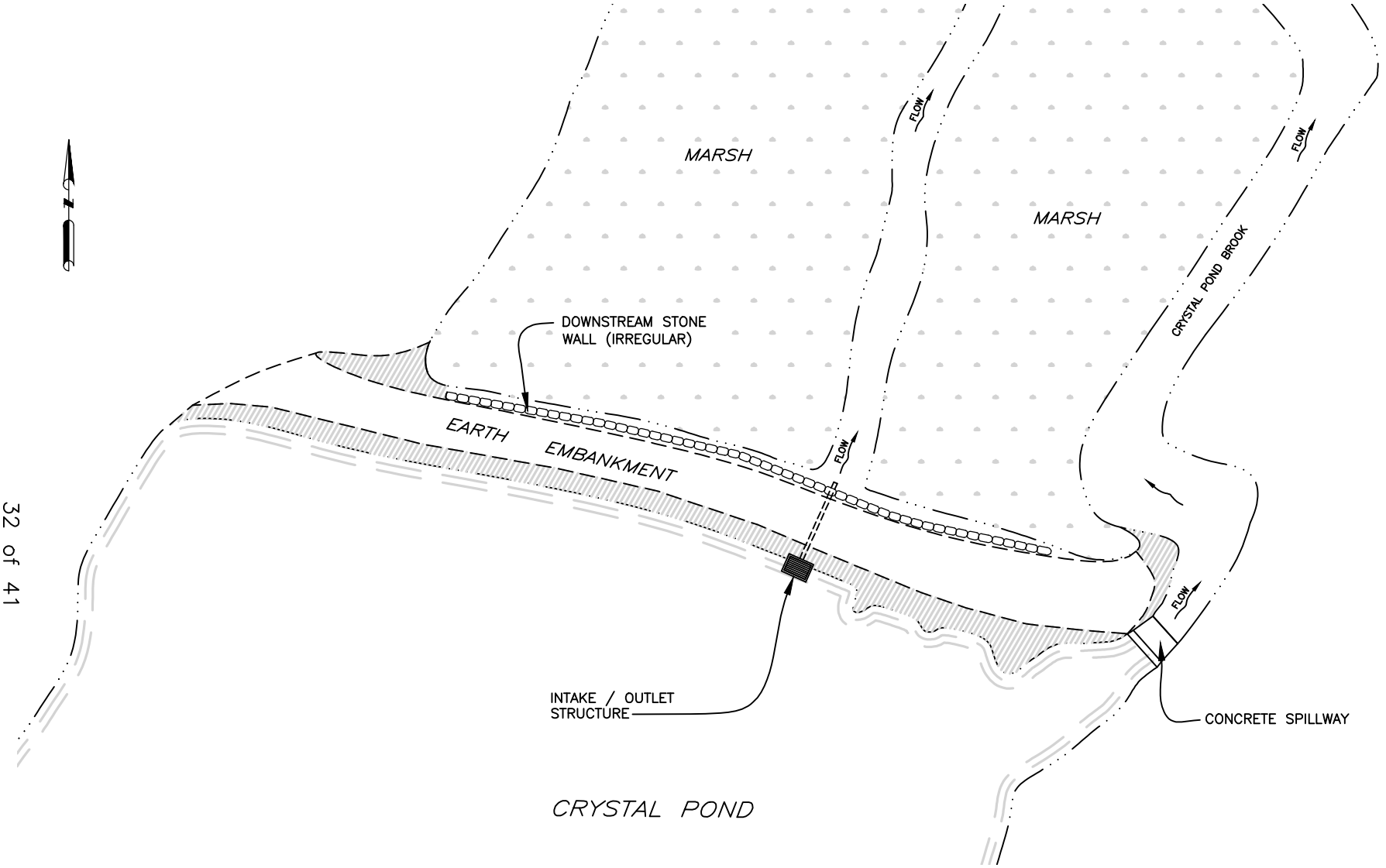
Photo 21e – A closeup of the leakage area in the previous photo, looking from the dam crest to the downstream toe area.

Photo 21f – Trees, brush and tall vegetation at the right downstream side of the dam and just left of the spillway discharge channel within the 25-ft. limits of the areas to be maintained clear of trees and brush.

Photo 21g – Dense vegetation on the right side of the spillway, again within the 25-ft. limits of the areas to be maintained clear of trees and brush.

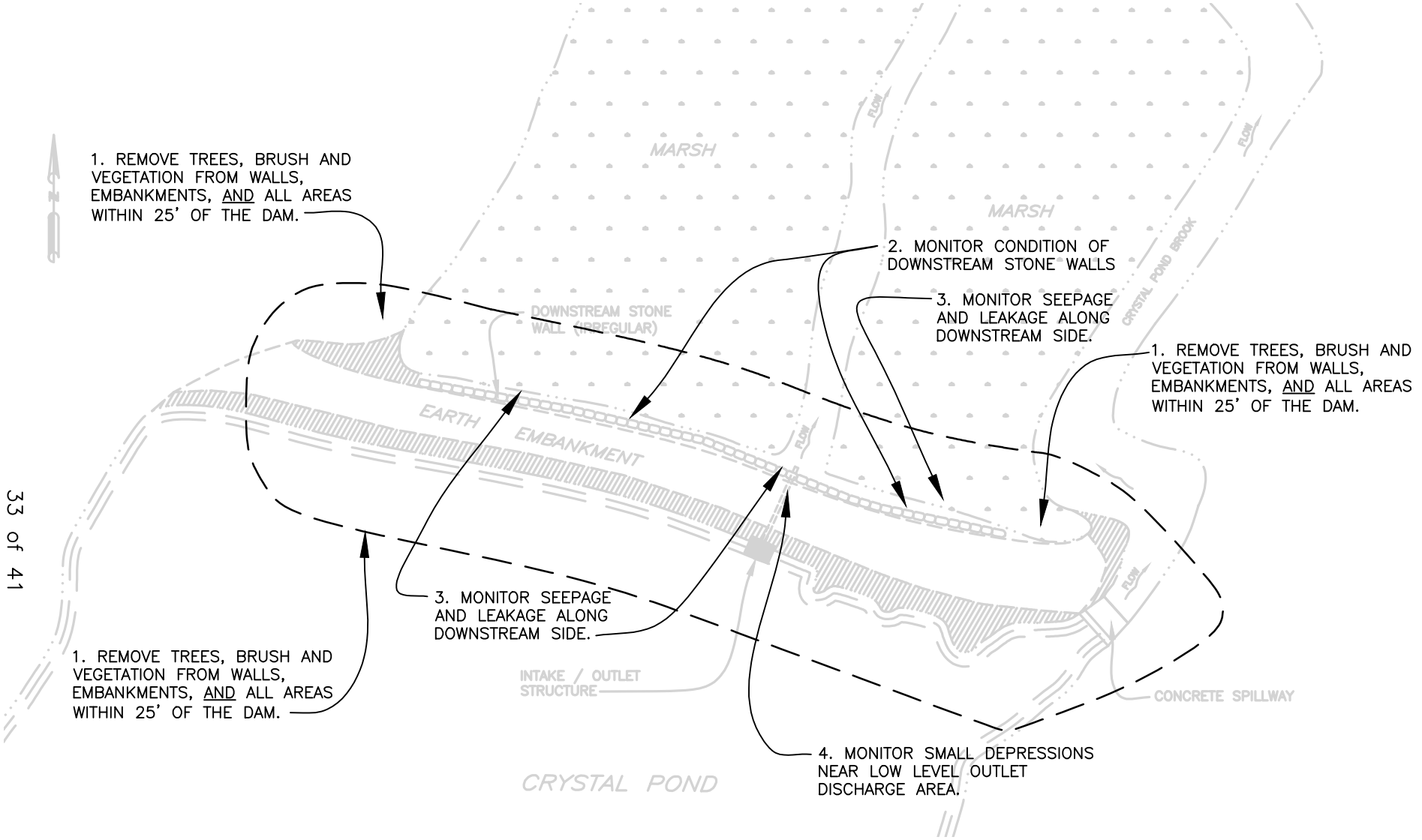
Part XIV: Sketches

See attached site plans / sketches.



CRYSTAL POND DAM
EXISTING CONDITIONS

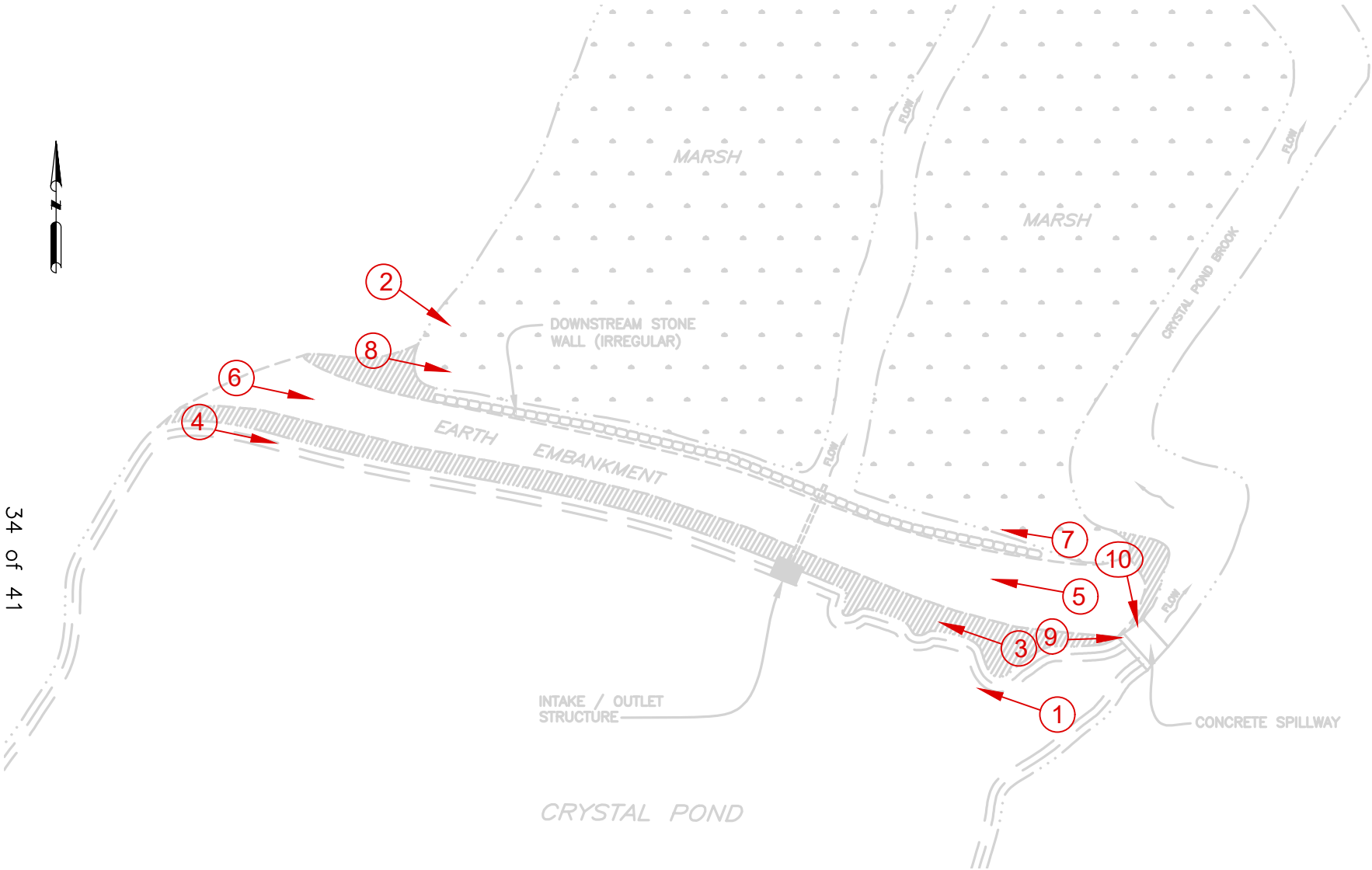
SCALE: 1" = 40'



FOR NUMBERS 5 AND 6, SEE PART XII, THE RECOMMENDATIONS SECTION OF THE REPORT.

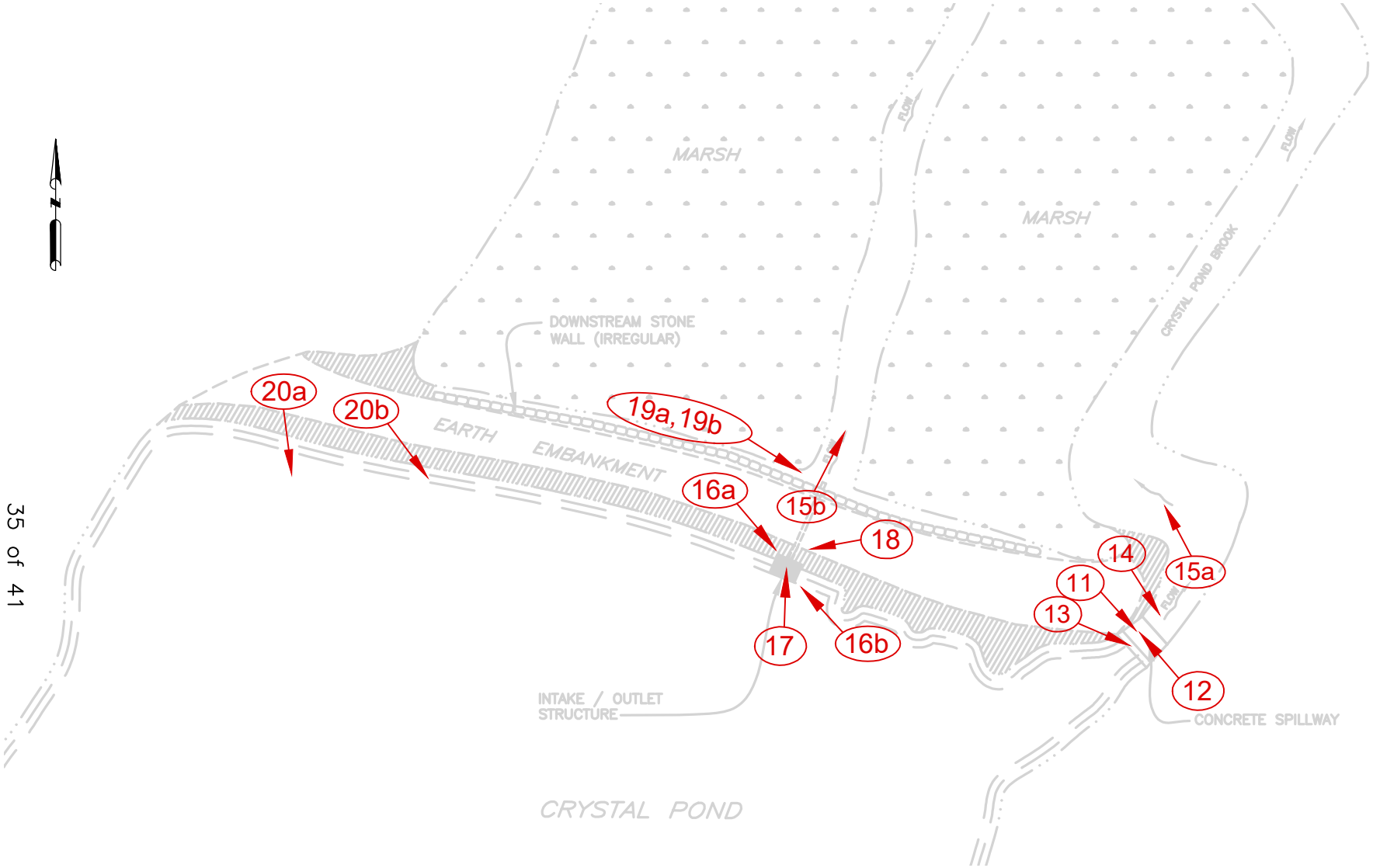
CRYSTAL POND DAM
RECOMMENDATIONS

SCALE: 1" = 40'



CRYSTAL POND DAM
PHOTO INDEX 1-10

SCALE: 1" = 40'



CRYSTAL POND DAM
PHOTO INDEX 11-20

SCALE: 1" = 40'

CRYSTAL POND DAM

PHOTO INDEX 21-Series

SCALE: 1" = 20'

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."

Karl F. Acimovic — 05/21/2026

Signature of Professional Engineer — Date

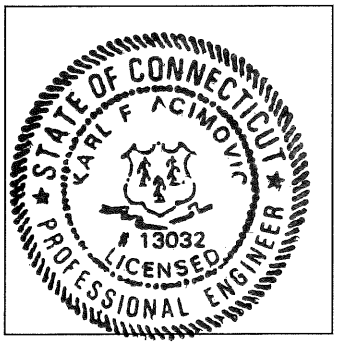
KARL F. ACIMOVIC — P.E. — #13032

Printed Name of Professional Engineer — Title — CT P.E. Number

KARL F. ACIMOVIC, PE&LS, CONSULTING ENGINEER

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."

Richard A. Bray	5/20/26
Signature of Owner	Date
Richard A. Bray	President - Crystal Pond Association
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: Please send the completed report converted to Adobe portable document format (pdf) to DEEP.DamSafety@ct.gov with signature pages signed.

Appendix A: Overall Dam Condition Selection Standards

Condition	Definition
Satisfactory	No existing or potential dam safety deficiencies are recognized. Acceptable performance is expected under all loading conditions (static, hydrologic) in accordance with the minimum applicable state criteria. Typical Circumstances: • No existing deficiencies or potentially unsafe conditions are recognized, with the exception of minor/routine operational and maintenance items that require attention. • Safe performance is expected under all loading conditions including the design flood. • Permanent risk reduction measures (reservoir restrictions, spillway modifications, operating procedures, etc.) have been implemented to eliminate identified deficiencies.
Fair	No existing dam safety deficiencies are recognized for normal operating conditions. Rare or extreme hydrologic and/or seismic events may result in a dam safety deficiency. Other Circumstances: • Lack of maintenance requires attention to prevent developing safety concerns. • Maintenance conditions may exist that require remedial action greater than routine work and/or secondary studies or investigations. • Interim or permanent risk reduction measures may be under consideration.
Poor	A dam safety deficiency is recognized for normal operating conditions which may realistically occur. Remedial action is necessary. POOR may also be used when uncertainties exist as to critical analysis parameters which identify a potential dam safety deficiency. Investigations and studies are necessary. Other Circumstances: • Dam has multiple deficiencies or a significant deficiency that requires remedial work. • Lack of maintenance (erosion, sinkholes, settlement, cracking, unwanted vegetation, animal burrows, inoperable outlet gates) has affected the integrity or the operation of the dam under normal operational conditions and requires remedial action to resolve. • Critical design information is needed to evaluate the potential performance of the dam. For example, a field observation or a review of the dam's performance history has identified a question that can only be answered by review of the design and construction history for the dam. Uncertainty arises when there is no design and/or construction documentation available for review and additional analysis is needed to better understand the risk associated with operation under normal operational conditions. • Interim or permanent risk reduction measures may be under consideration.
Unsatisfactory	A dam safety deficiency is recognized that requires immediate or emergency remedial action for problem resolution. Typical Circumstances: • A critical component of the dam has deteriorated to unacceptable condition or failed. • A safety inspection indicates major structural distress (excessive uncontrolled seepage, cracks, slides, sinkholes, severe deterioration, etc.), advanced deterioration, or operational deficiencies which could lead to failure of the dam or its appurtenant structures under normal operating conditions. • Reservoir restrictions or other interim risk reduction measures are required. • A partial or complete reservoir drawdown may be mandated by the state.

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 unpaved local roadways;
(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 paved local roadways;
(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, including, but not limited to, industrial or commercial buildings, hospitals, convalescent homes, or schools;
(iii) damage to local utility facilities including water supply, sewage treatment plants, fuel storage facilities, power plants, cable or telephone infrastructure, causing localized interruption of these services;
(iv) damage to collector roadways 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, including, but not limited to, industrial or commercial buildings, hospitals, convalescent homes, or schools;
(iii) damage to major utility facilities, including public water supply, sewage treatment plants, fuel storage facilities, power plants, or electrical substations causing widespread interruption of these services;
(iv) damage to arterial roadways;
(v) 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/dike from upstream

2. Overview of dam/dike 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.)