

May 19, 2021

Tricia McColgan
D&C Construction Co., Inc.
649 Broad Street
Weymouth, MA 02189
Office: (781) 871-8200
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tricia@dccne.com

**RE: Merrill Job No.: 15-173.1
Nagog Pond WTP, Acton, Massachusetts
Pond Elevations**

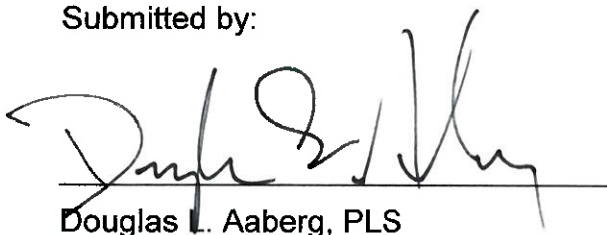
Dear Tricia:

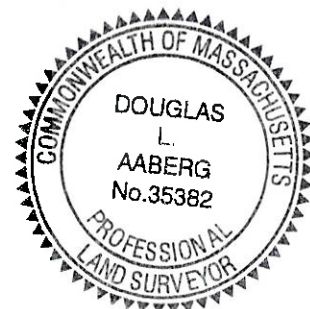
On May 17, 2021 Merrill Engineers and Land Surveyors performed a survey to establish elevations on some existing structures and locations within the Nagog Pond perimeter. All point locations surveyed were under the current water level. The survey was accomplished with the assistance of an underwater diving team and each point elevation was determined via the use of a GNSS receiver tied to MACOR network on Massachusetts Mainland State Plane Coordinate System, NAD 1983 Horizontal Datum and NAVD 1988 Vertical Datum using GEOID Model 2018.

Elevation Chart

Description	Elevation (Z)
Buoy at proposed intake location	N: 3011659.069 E: 671899.787
Top of Existing 16" Iron Pipe	Z: 209.86
Top of Water Level	Z: 226.1
Bottom of Pond (silt)	Z: 192.3

Submitted by:


Douglas L. Aaberg, PLS



September 28, 2021

Tricia McColgan
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**RE: Merrill Job No.: 15-173.1
Nagop Pond WTP, Acton, Massachusetts
Pond Elevations**

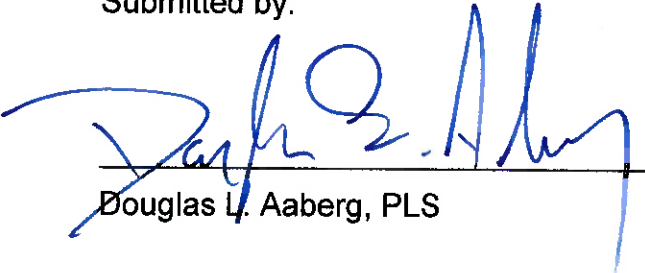
Dear Tricia:

On July 15, 2021 Merrill Engineers and Land Surveyors completed a survey to establish as-built elevations on some existing structures and locations within the Nagop Pond perimeter. The survey was accomplished with the assistance of an underwater diving team and each point elevation was determined via the use of a GNSS receiver tied to MACOR network on Massachusetts Mainland State Plane Coordinate System, NAD 1983 Horizontal Datum and NAVD 1988 Vertical Datum using GEOID Model 2018.

Elevation Chart

Description	Elevation (Z)
Intake Screen	Top: 211.05 Centerline: 210.38 Pipe Joint: 202.55 Slab: 197.84
Top of Water Level (6/24/21)	Z: 225.7
Spillway at Gate House	Z: 225.88

Submitted by:


Douglas L. Aaberg, PLS

