



Date: November 1, 2022

Project No. 078315.0001001

Extra Work: 1

EXTRA WORK AUTHORIZATION

In accordance with the written Contract dated 09/16/22 Between the parties designated below for:

THE PROJECT: Proposed Mills Road Water District Map, Plan & Report

THE CLIENT: Town of Lysander

Hereby authorizes the Engineer to proceed with additional services as follows:

SCOPE OF SERVICES:

TASK 1 – Preparation of Short Form SEQR Part 1

CHA will complete a NYSDEC short environmental quality review form (SEQR) part 1 and compile the required documentation for the Proposed Mills Road Water District Map, Plan & Report project.

TASK 2 – Phase 1A & 1B Archeological Study

Phase I Cultural Resource Investigation will be conducted by a qualified 36 CFR 61 Archaeologist, serving as Principal Investigator for the proposed project. A staff of highly qualified archaeological technicians and historic consultants will assist the Principal Investigator with Phase IA research and Phase IB fieldwork.

The Phase IA Cultural Resource Investigation of the proposed project will require the examination of archaeological, environmental, and historic literature pertinent to the project area. The primary objective of this research is to identify any recorded and potential historic and/or archaeological resources within the proposed project area, as well as determining the level of archaeological sensitivity. Phase IA investigations of the project area include an archaeological records check utilizing the New York State Office of Parks, Recreation and Historic Preservation (NYSOPRHP) Cultural Resource Information System (CRIS), an examination of historical maps and atlases, a review of documents reporting prior disturbance within the project area, an on-site field observation/inspection to determine areas of prior disturbance and cultural sensitivity, a review of historical structures deemed potentially eligible or already listed on the National Register of Historic Places, the photo documentation of structures 50 years and older where permanent landscape alterations will occur, and the completion of a report explaining the results of the archaeological investigations.

The Phase IB Cultural Resource Investigation of the proposed project will consist of two parts: first the actual field investigations, and subsequently, data interpretation and report preparation. Cultural material recovered during the Phase IB field investigation will be analyzed. A cost estimate for artifact processing will be provided prior to the initiation of lab work. The laboratory work entails the cleaning, identification, cataloging, and housing of the cultural material in accordance with professional and legal standards. All notes, photographs, maps, and cultural material associated with the Phase IB work will be the property of Powers Archaeology LLC, unless different arrangements are made prior to the authorization to proceed. The final Phase I report for CHA Consulting, Inc. will contain the results of the sensitivity assessment, field investigations, along with the data analysis.

The strategy for Phase IB field investigations will involve subsurface testing the APE. Subsurface testing will involve the excavation of approximately 65-75 shovel tests throughout the APE. Transects are oriented with a magnetic compass and are paced out depending on the project area field conditions. The shovel tests will be excavated by hand and will measure 1-ft x 1-ft in diameter. Each test is excavated to a maximum depth of 30 inches below the surface unless sterile subsoil or evidence of disturbance is encountered. Shovel test units are plotted at 50-ft / 15-m intervals along linear transects. Additional shovel tests will be placed at a 25-ft / 7.5-m in areas of higher archaeological potential, as required by the NYSOPRHP. Should relevant cultural material be identified during a single shovel test unit, additional tests may be excavated around each artifact location to determine its archaeological context. All excavated soils are screened, and any artifacts recovered will be bagged by level of provenience and matrix. At the end of each field day, data collected will be reviewed. The documentation of field conditions, disturbance, and evidence of any structural foundations will be accomplished by photography.

In addition to the archaeological site file search, literature research, fieldwork and data analysis, the final report will include project maps and photographs that are in support of the conclusions presented by the

report. The final report will offer any recommendations for following Phase II investigations if necessary.

The Phase I Cultural Resource Investigation Report will be prepared in accordance with report standards approved by the NYSOPRHP and will be submitted to the NYSOPRHP unless otherwise directed. Any sites located within the project boundaries will be recorded and reported to the NYSOPRHP.

TASK 3 – Wetland Meeting with NYSDEC & Army Corps of Engineers

CHA will coordinate and meet with representatives from the NYSDEC and Army Corps of Engineers to determine if New York State or Federal wetlands are present at the site that could be disturbed during project construction and if additional wetland delineation studies will be required.

SCHEDULE:

CHA is prepared to begin work on this project immediately upon receiving a signed authorization.

FEE

TASK 1 – Preparation of Short Form SEQR Part 1 (hourly): \$ 180.00 (estimated)
TASK 2 – Phase 1A & 1B Archeological Study (hourly): \$3,800.00 (estimated)
TASK 2 – Wetland Meeting with NYSDEC & Army Corps of Engineers (hourly): \$ 720.00 (estimated)

For the scope of services contained herein, we proposed to be compensated on an hourly basis for a not-to-exceed fee of \$4,700, in accordance with our current Municipal Consulting Agreement.

Upon return of a fully-executed authorization, this Supplement shall become a part of the Agreement identified above.

APPROVED BY: ENGINEER	APPROVED BY: CLIENT
NAME: James F. Trasher, P.E.	NAME: Robert A. Wicks
SIGNATURE: 	SIGNATURE:
TITLE: Vice President	TITLE: Town of Lysander Supervisor
DATE: November 1, 2022	DATE: 11/03/22