

5 June 2023

Gregory Zinser  
York County Commissioner's Office  
45 Kennebunk Road  
Alfred, ME  
04002

Dear Mr. Zinser,

This correspondence is to inform you that the archaeological phase I survey of the proposed York County Emergency Management Campus Expansion is complete. This survey was conducted on May 21, 27-28 by Tim Spahr, Registered Professional Archaeologist 17992 with assistance from Field Archaeologist Dawna Lamson.

The project site is located just south and adjacent to the York County Jail located at 1 Lyman Way Alfred, Maine. The site is yet to be cleared or developed and the Maine Historic Preservation Commission (hereafter Commission) requested a phase I archaeological survey for proposed land clearing and development activities in accordance with Section 106 of the National Historic Preservation Act of 1966. The goal of the archaeological phase I survey was to determine if potentially significant archaeological site(s) are present within the project area or to establish that it is unlikely that archaeological sites of potential significance are present. Significant archaeological sites are those that meet criteria for eligibility for the State and National Registers of Historic Places.

The project area has never been the subject of a formal archaeological phase survey; however, the Commission's review of the project determined that it is considered archaeologically sensitive for Native American archaeological sites. General archaeological sensitivity is based on the project setting on well drained, sandy soils immediately adjacent to drainages and wetlands that drain into the Mousam River, located about 0.5 km to the east, as well as a high density of recorded archaeological sites in this portion of the Mousam River watershed. Specifically, two Paleoindian sites have been identified approximately 10 kilometers from the project boundaries. These sites have similarities in soil composition and nearness to water.

### **Methodology**

This archaeological test pit survey involved the hand excavation of 0.5 m X 0.5 m test pits in which archaeologists employed a standardized, systematic methodology with removal of sediment by arbitrary 10 cm (4 in.) levels within natural soil strata from the highest point downward. All excavated sediments were screened through 10 cm (1/4 in.) hardware cloth. Shovel test record forms were used to record stratigraphy. Test pit profiles were measured, photographed and sketched. All depths, horizon levels were recorded. All paper documents have been photographed and archived. All field forms have been added to the final report.

## **Project Description**

The project is located on a relatively flat-topped sandy knoll which rises to approximately 270 ft (82 meters) above mean sea level. This is a sandy landform covered with a mix of deciduous and coniferous trees. Except for soil and wetland testing areas, there has been no excavation of the site.

Prior to conducting a test pit survey, a ground inspection was performed on all disturbed soils in the project area. A two-wheel dirt road runs in an oval manner within the project boundaries. This road has received extensive all-terrain vehicle traffic thus causing a significant troughing up to a meter deep in some areas exposing subsurface soils. This road, as well as exposed soils caused by soil testing and upturned tree roots were surveyed. No cultural materials were observed. Barbed wire fence embedded in old growth trees near the project site suggests livestock pasturing occurred during the early 20<sup>th</sup> century.

A total of seven 0.5 m x 0.5 m test pits were excavated along three transects. Transects were placed to sample the flattened landforms consistent with culturally sensitive areas, with groups of transects placed parallel to each other in order to position test pits in a staggered grid fashion to obtain sufficient coverage of the areas. Test pits were placed at 10.0 and 20.0 m intervals along testing transects in order to achieve this aim. Test pits were excavated to depths ranging from 62 to 92 cm below ground surface. Sediments were sandy throughout the project area. Natural Ao, 'A' and 'B', layers were present in all excavations. B-C transitional stratigraphic layers present in some. Ao' topsoil was mostly dark brown sandy loam transitioning to an A layer of very dark brown sandy loam extending up to 15 centimeters below surface. B and C layers generally consisted of coarse sand mixed with pea and potato size rocks. B layers extended to between 38 and 72 centimeters below surface. Generally sandy loams occurred in the A and upper B stratigraphic areas while Course sand and gravels occurred in the lower B and C stratigraphic layers.

## **Conclusion**

An archaeological phase I survey has been conducted at the site of the proposed York County Emergency Management Campus Extension. As a result of coordinated ground and test pit surveys, there were no cultural materials found in any of the seven test pits. Based on this survey, it is unlikely that archaeological sites of potential significance are present and therefore not eligible for the State and National Registers of Historic Places.

Sincerely,



Tim Spahr  
Registered Professional Archaeologist 17992  
5 Sandalwood Drive  
Kennebunk, Maine  
04043

Cc. Dr. Arthur Spiess, Chief Historic Preservationist, Prehistoric Archaeology, Maine Historic Preservation Commission

Project Location in Red and Transects in Yellow\



## Shovel Test Pit Soil Types

Stratigraphy	T1-STP1	T2-STP1	T2-STP2	T2-STP3	T2-STP4	T3-STP1	T3-STP2
<b>Ao</b>	Root Mat	Root Mat	Root Mat	Root Mat	Root Mat	Root Mat	Root Mat
<b>A</b>		10 YR-3/1 Very Dark Gray Sandy Loam <b>23 cmbs</b>	10 YR-2/2 Very Dark Brown Fine Sandy Loam <b>14 cmbs</b>	10 YR-2/2 Very Dark Brown Sandy Loam <b>12 cmbs</b>	10 YR-2/2 Very Dark Brown Sandy Loam <b>15 cmbs</b>	10 YR-3/2 Very Dark Gray Brown Fine Sandy Soil <b>15 cmbs</b>	10 YR-2/2 Dark Brown Fine Sandy Loam <b>13 cmbs</b>
<b>E</b>	5 Y-4/1 Dark Gray Fine Sandy Loam <b>20 cmbs</b>					2.5 Y 5/3 Light Olive Brown <b>15 cmbs</b>	
<b>B</b>	7.5 YR-4/6 Strong Brown Sandy Loam <b>42 cmbs</b>	7.5 YR-4/6 Strong Brown Loamy Sand <b>42 cmbs</b>	7.5 YR-4/6 Strong Brown Loamy Sand <b>61 cmbs</b>	10 YR 3/6 Dark Yellow brown Loamy Sand <b>35 cmbs</b>	7.5YR-3/4 Brown Loamy Sand <b>41 cmbs</b>	7.5 YR ¾ Dark Brown Pea Gravel and Course Sand <b>50 cmbs</b>	7.5 YR 3/4dark Brown Loamy Sand <b>25 cmbs</b> 10YR 4/6Dark Yellowish Brown Loamy Sand <b>48 cmbs</b>
<b>B</b>		7.5YR-5/8 Strong Brown Coarse Sand <b>81 cmbs</b>		10YR-5/8 Brown Coarse Sand with Gravel <b>78 cmbs</b>	10YR-5/8 Brown Coarse Sand with Gravel <b>92 cmbs</b>		2.5 Y-5/4 Light Olive Brown Coarse Sand <b>47 cmbs</b> 2.5 Y-5/6 Coarse Sand <b>65 cmbs</b>
<b>B-C Transition</b>			10YR-3/6 Yellow Brown Coarse Sand <b>84 cmbs</b>				
<b>C</b>	10YR-5/8 Yellowish Brown Sandy Loam <b>62 cmbs</b>	10YR-4/6 Yellowish Brown Coarse Sand <b>87 cmbs</b>	10YR-5/4 Yellowish Brown Very Coarse Sand <b>87 cmbs</b>	10YR-4/3 Brown Very Coarse Sand and Gravel <b>82 cmbs</b>			



Transect 1 Shovel Test Pit 1 (West Wall)



Transect 2 Shovel Test Pit 1 (East Wall)



Transect 2 Shovel Test Pit 3 (North Wall at Top)



Transect 2 Shovel Test Pit 3 (West Wall)





Transect 2 Shovel Test Pit 3 (South Wall)



Transect 2 Shovel Test Pit 3 (East Wall)



Transect 2 Shovel Test Pit 3 (close-up gravel, SE corner)



Transect 2 Shovel Test Pit 4 (Straight Down)



Transect 3 Shovel Test Pit 1 (East Wall)

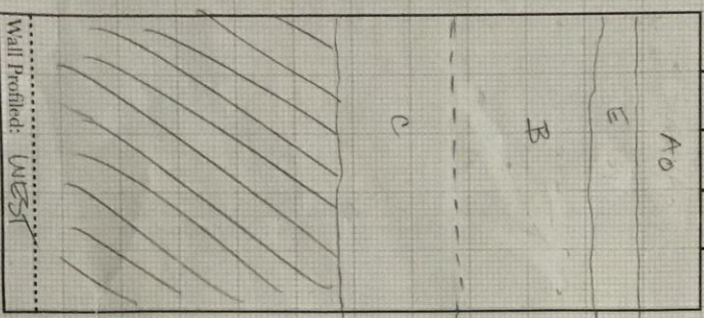
CPAA  
50 cm Shovel Test Record

Site/Project: YOKO ARMY 1ST REPAIR OVERSIC TRAINING CTR  
 Date: 5/22/23  
 Name: TIM SPATHE + DRUNIA LINDSON  
 Screen Size: 1/4"

T1 STP 1  
 STP/Unit/Quad

- Archaeologically Negative  
 + Prehist  + Hist  
 Shell  Black Soil

Check all that apply:



Describe Matrix and Contents:  
 DUFF/ROOT MAT

5Y 4/1 DARK GREY FINE SANDY LOAM

7.5YR 4/6 STRONG REDDISH SANDY LOAM w/ ~25% poorly sorted silt; mostly non-5cm subangular gravels

10YR 5/8 YELLOWISH BROWN SANDY LOAM w/ ~35% poorly sorted silt; mostly non-5cm subangular gravels w/ occ. 10-17cm cobbles; some iron concretions at base; DRY SOIL.

UNEXCAVATED

Wall Profile: WEST

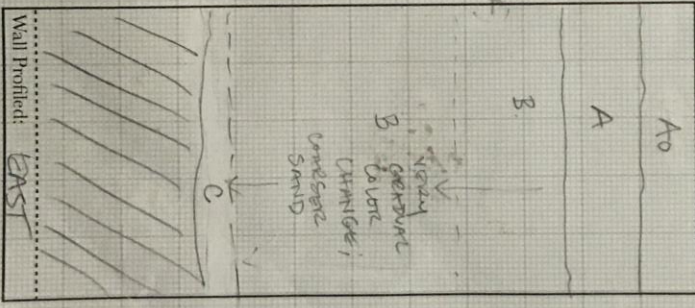
Photo Number(s) #1 REPAIR'S WALL

# Bags Recovered 8

T2 STP 2  
 STP/Unit/Quad

- Archaeologically Negative  
 + Prehist  + Hist  
 Shell  Black Soil

Check all that apply:



Describe Matrix and Contents:  
 DUFF/ROOT MAT

10YR 3/1 VERY DK GRAY FINE SANDY LOAM

7.5YR 4/6 STRONG REDDISH LOAMY SAND ~25% subangular gravels

7.5YR 5/2 STRONG REDDISH COARSE SAND ~35% subangular gravels - 5cm w/ occasional cobbles 10-12cm; some water worn

very diffuse transition 10YR 4/6 dk yellowish brown coarse to very coarse sand ~20% gravels

Wall Profile: EAST

Photo Number(s) #2 DRUNIA'S WALL

# Bags Recovered 0

CPAA  
50 cm Shovel Test Record

Site/Project: YORK CITY 1ST PASSENGERS TRAINING CRT  
Date: 5/27/23  
Name: TIM SPARR + DAWN LAMICSON  
Screen Size: 1/4"

5/28/23 TS+DL

Check all that apply:

- Archaeologically Negative
- + Prehist
- + Hist
- Shell
- Black Soil

T2 STP 2

STP/Unit/Quad

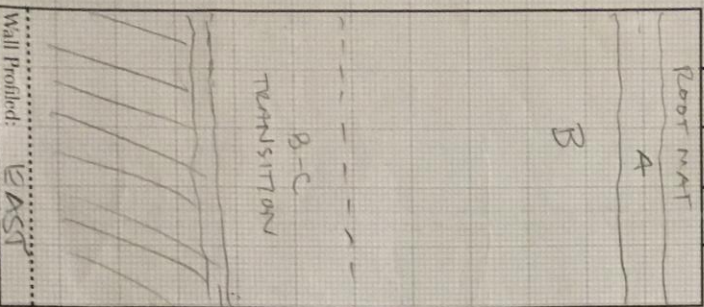


Photo Number(s)

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# Bags Recovered

Ø

Check all that apply:

- Archaeologically Negative
- + Prehist
- + Hist
- Shell
- Black Soil

T2 STP 3

STP/Unit/Quad

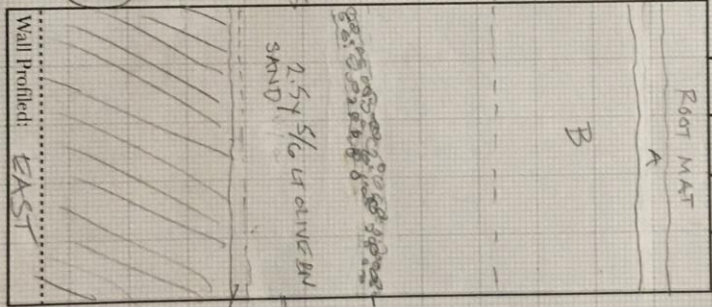


Photo Number(s)

#3-7

# Bags Recovered

1 10051102 FINE  
+ LARGER FRAGMENTS  
COBBLES ~10-20 UNITS

Describe Matrix and Contents:

10 YR 2/2 VERY DK BROWN F.SALO

10 YR 3/6 DK YEL BROWN  
LOAMY SAND w/ ~30%  
PER TO 5CM GRAVELS  
SUBSEQUENT

10 YR 5/8 YEL BROWN  
COARSE SAND w/ SUBMINOR  
GRAVELS TO 2mm

VERY COARSE SAND + OR GRIND  
LENSES w/ CORNERS 10 YR 4/6  
DK YEL BROWN

"BEACHY" SAND w/ POCKETS/  
LENSES OF GREY WORN GRAVELS  
UP TO 20cm

10 YR 4/3 BROWN VERY COARSE  
SAND + GRAVELS

Describe Matrix and Contents:

10 YR 2/2 VERY DK BROWN F.SALO

7.5 YR 4/6 STRONG BROWN  
LOAMY SAND w/ ~30%  
GRAVELS (PER TO 5cm w/  
GREATER % COARSE GRAVELS  
THAN STP 1)

10 YR 3/6 DK YEL BROWN  
COARSE SAND w/ GRAVELS + COBBLES  
UP TO 2cm

10 YR 5/4 YELLOWISH BROWN  
VERY COARSE SAND w/  
GRAVELS + COBBLES UP TO 12cm

OVERALL SOIL GETS LIGHTER,  
COARSER & WITH LARGER  
GRAVELS/ COBBLES TO DEPTH

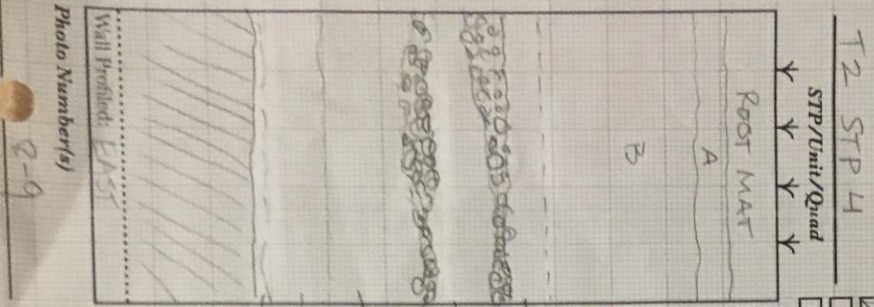
Wall Profile: EXIST

N/S/FU

CPAA  
 50 cm Shovel Test Record  
 Site/Project: YCFRTC  
 Date: 5/28/23  
 Name: TIM SMITH/DAVID LAMSON  
 Screen Size: 1/4"

Check all that apply:

- Archaeologically Negative
- + Prehist  + Hist
- Shell  Black Soil



Describe Matrix and Contents:

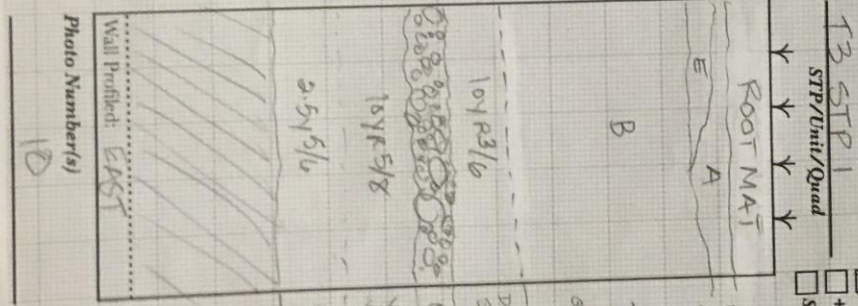
10 YR 2/2 V. V. DARK BROWN F. Silt  
 7.5 YR 3/4 Y. BROWN V. M. SAND  
 W/ ~25% SUBANG GRANULES  
 UP TO 1.5cm; MORE COMPACTED  
 UP TO 1.5cm  
 10 YR 5/2 Y. BROWN CONCRETE SAND  
 GRANULES (40%)  
 GRANULE LENSES w/ white when wet  
 UP TO 1.2cm  
 10 YR 5/6 Y. BROWN CONCRETE SAND  
 SAME AS ABOVE w/ OC. COBBLES UP TO 1.2cm  
 2.5 Y 5/6 LT. BROWN V. M. COMPACT  
 SAND w/ GRANULES (50%+)  
 FINER GRANULES, 'CONCRETE'

# Bags Recovered

Photo Number(s)

Check all that apply:

- Archaeologically Negative
- + Prehist  + Hist
- Shell  Black Soil



Describe Matrix and Contents:

E = 2.5 Y 3/4 LT. BROWN  
 A = 10 YR 3/2 V. V. DARK BROWN  
 SILTY F. Silt  
 7.5 YR 3/4 DARK BROWN  
 2.5% FINE GRANULES UP TO 1.5cm  
 GRANULE INCREASE TO ~20%  
 10 YR 3/6  
 DARK YELLOW BROWN CONCRETE  
 SAND w/ ~25-30% GRANULES  
 10 YR 5/8  
 CONCRETE SAND + GRANULE LENSES  
 YELLOW BROWN CONCRETE SAND  
 GRANULES + COBBLES UP TO 1.2cm  
 2.5 Y 5/6  
 LIGHT BROWN BROWN CONCRETE  
 SAND BECOMING FINER AT  
 BASE

# Bags Recovered

Photo Number(s)



CPAA  
50 cm Shovel Test Record

Site/Project: YCFRTC  
 Date: 5/28/23  
 Name: TIM SMITH + DANIEL WATSON  
 Screen Size: 1/4"

Check all that apply:

- Archaeologically Negative
- + Prehist
- + Hist
- Shell
- Black Soil

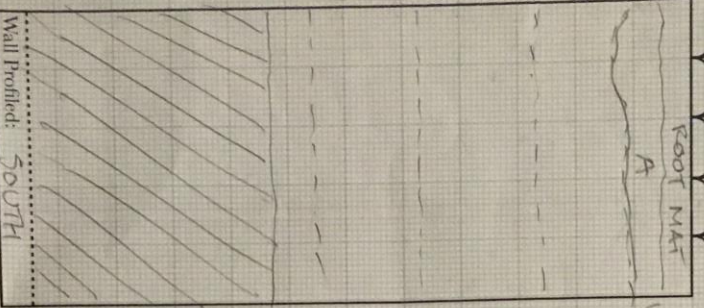


Photo Number(s)

11

# Bags Recovered

0

Describe Matrix and Contents:

10yr 1/2 very dk brown F Salo  
 1.5yr 3/4 dk brown loamy sand w/ ~15% gravels up to 5cm  
 10yr 2/6 dark yellowish brown loamy sand (upper sand than lower) w/ 30% gravels up to  
 2.5yr 5/4 light olive brown coarse sand w/ ~40%  
 2.5yr 5/6 w/ coarse sand + 60% gravels up to 12cm

Check all that apply:

- Archaeologically Negative
- + Prehist
- + Hist
- Shell
- Black Soil

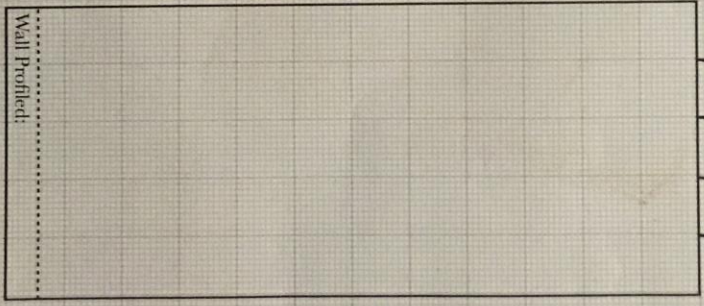


Photo Number(s)

# Bags Recovered