

## **Summary of Preliminary Soil Exploration Program**

### **Forge Village - Newbury, Massachusetts**

A program of preliminary soil exploration was undertaken on site in November of 2017 to determine an area or areas for a common subsurface soil absorption system to serve the proposed subdivision. Three areas of the site were investigated using a track excavator. Those are shown as Areas A, B and C on the accompanying plan.

With Area A, some twelve test pits were excavated. A and B horizons of sandy loam with a depth of 18 to 24 inches were encountered underlain by a C1 horizon of sand varying from 18 to 30 inches in depth. Below that, a C2 horizon of poorly drained silt loam was encountered. Seasonal high water table depths were estimated to be 36 inches below grade.

Within Area B, six test pits were excavated. Minimal thicknesses of sand (8-16 inches) were encountered in those pits, underlain by silt loam, which would exhibit poor drainage.

Within Area C, 5 trenches were excavated with the limits of which were observed C1 sand horizons varying from 48 to 64 inches in depth. Estimated seasonal high water tables were observed from 30 to 36 inches from the ground surface.

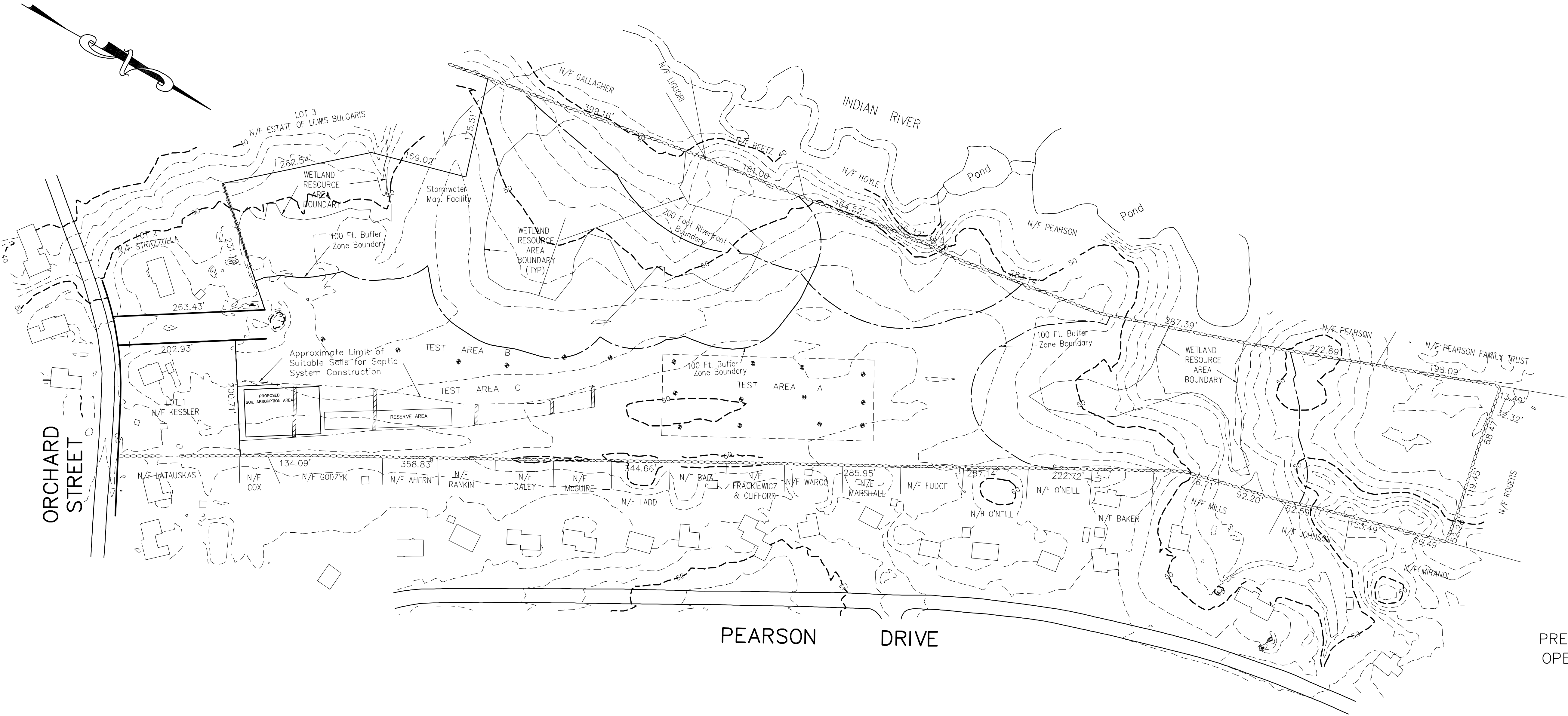
Area C was the area within which adequate (4 feet minimum) depth of naturally occurring pervious soils, suitable for a common soil absorption system, were encountered. The approximate extent of the suitable areas is depicted upon the accompanying plan.

GENERAL NOTES

- 1) THIS PLAN IS THE RESULT OF AN ON THE GROUND FIELD SURVEY AND PUBLIC AND PRIVATE PLANS.
- 2) THIS PLAN IS BASED ON THE REFERENCED PLANS, DEEDS AND THE RESULTS OF A FIELD SURVEY AS OF THIS DATE. NO CERTIFICATION IS INTENDED AS TO PROPERTY TITLE OR AS TO THE EXISTENCE OF UNWRITTEN OR UNRECORDED EASEMENTS.
- 3) DATUM: NAVD 88
- 4) EXISTING BOUNDARY LINES TAKEN FROM PLAN BOOK 419 PLAN 70.
- 5) SITE IS LOCATED WITH A ZONE X AS EVIDENCED BY FEMA FIRM 25009C0118G DATED JULY 16, 2014.
- 6) WETLAND BOUNDARY DELINEATION PERFORMED BY WETLANDS AND LAND MANAGEMENT, INC. ON MAY 24, 2017.

RECORD OWNER: ESTATE OF LEWIS BULGARIS  
ASSESSORS MAP R-20 PARCEL 43A  
DEED REFERENCE: RECORD BOOK 8499 PAGE 38  
PLAN REFERENCE: PLAN BOOK 419 PLAN 70  
THE SITE IS SHOWN AS LOT 4 ON THE REFERENCED PLAN AND CONSISTS OF 20.57± ACRES

PROPOSED OPEN SPACE RESIDENTIAL DEVELOPMENT



LEGEND

- EXISTING STONE WALL
- EXISTING CONTOUR
- APPROXIMATE TEST PIT LOCATION
- APPROXIMATE TEST TRENCH LOCATION

PRELIMINARY SOILS EXPLORATION EXHIBIT  
OPEN SPACE RESIDENTIAL DEVELOPMENT

LOCATED IN

NEWBURY, MASS.

170 ORCHARD STREET

PREPARED BY

EASTERN LAND SURVEY ASSOCIATES, INC.

CHRISTOPHER R. MELLO, PLS

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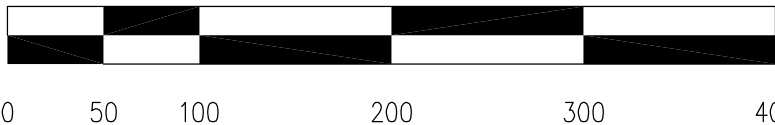
(978) 531-8121

SCALE: 1" = 100' OCTOBER 11, 2018

PREPARED FOR

CHARING CROSS REALTY TRUST

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