VISON VIRONMENTAL	10 Maple Street Chester, CT 06412 860-803-0938 www.davisonenvironmental.com
	CIC Naming - Parmitting a Forestry
diversity Studies - Wetland Delineation & Assessment - Hab	
WETLANDS / WATERCOURSES Date of Work: 9/21/2020	Client:
Suite of Westing	Mr. David Whitney 2 Arch Rd
Project 4 Vermillion Drive, Avon, CT Location:	Avon, CT
IDENTIFICATION OF WETLANDS AND WATER	
Wetlands and watercourses present on property	Identification Method:
Wetlands: Watercourses: Inland Wetlands ☒ Perennial Streams	☐ Auger and Spade ⊠
Tidal Wetlands Intermittent Waterco	urses ⊠ Backhoe Pits □
Numbering Sequences:	Wetland Plant Communities Present:
Wetlands: Intermittent Wetercourses:	Forest ⊠ Sapling/Shrub □
WL 1-22 Watercourses: WL 23-35 IWC 1-15	Wet Meadow ⊠ Marsh □
WL 36-41	Field/Lawn □
which consists of any of the soil types designated as poorly drail Cooperative Soils Survey, as may be amended from time to time, o States Department of Agriculture" section 22a-38(15). Watercourse swamps, bogs and all other bodies of water, natural or artificial, verrethrough or border upon this state or any portion thereof, not regular watercourses shall be delineated by a defined permanent channel characteristics: (A) Evidence of scour or deposits of recent alluvius duration longer than a particular storm incident, and (C) the present defined as "those areas which border on or lie beneath tidal water and the search lend of the lend of the large of including includi	icut General Statutes, Chapter 440, sections 22a-28 to 22a-35. The (sections 22a-36 to 22a-45) and the Tidal Wetlands Act (sections 22a-land, not regulated pursuant to sections 22a-28 to 22a-35, inclusive, ined, very poorly drained, alluvial, and floodplain by the National of the National Resources Conservation Service (NRCS) of the United of the National Resources Conservation Service (NRCS) of the United of the National Resources Conservation Service (NRCS) of the United of the National Resources Conservation Service (NRCS) of the United of the National Resources Conservation Service (NRCS) of the United of the National Resources (NRCS) of the United of the National Resources (NRCS) of the United of the Indicate within, flow all the pursuant to sections 22a-28 to 22a-35, inclusive. Intermittent el and bank and the occurrence of two or more of the following el and bank and the occurrence of two or more of the following el and bank and the occurrence of two or more of the following el and bank and the occurrence of two or more of the following el and bank and the occurrence of two or more of the following el and bank and the occurrence of two or more of the following el and bank and the occurrence of two or more of the following el and bank and the occurrence of two or more of the following el and bank and the occurrence of two or more of the following el and bank and the occurrence of two or more of the following el and bank and the occurrence of two or more of the following el and bank and the occurrence of two or more of the following el and bank and the occurrence of two or more of the following el and bank and the occurrence of two or more of the following el and bank and the occurrence of two or more of the following el and bank and the occurrence of two or more of the following el and bank and the occurrence of two or more of the following el and bank and the occurrence of two or more of the following el and bank and the occurrence of two or more of the following ella following ella following ella follow
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February 12, 2021

PO Box 1605

Avon, CT 06001

Mr. David Whitney, P.E.

RE: Angeloni Residence

Avon, CT

Dear Mr. Whitney:

4 Vermillion Drive

headwall at the northwest corner.

flora rose and Japanese barberry.

minimally present in the area of flags 36-41.

groundwater discharge and nutrient transformation.

intersection of Vermillion Drive and Oak Bluff will be removed.

erosion control blankets.

Control/Restoration Mix.

Yours truly,

Michael S. Klein, Principal Professional Soil Scientist

Professional Wetland Scientist

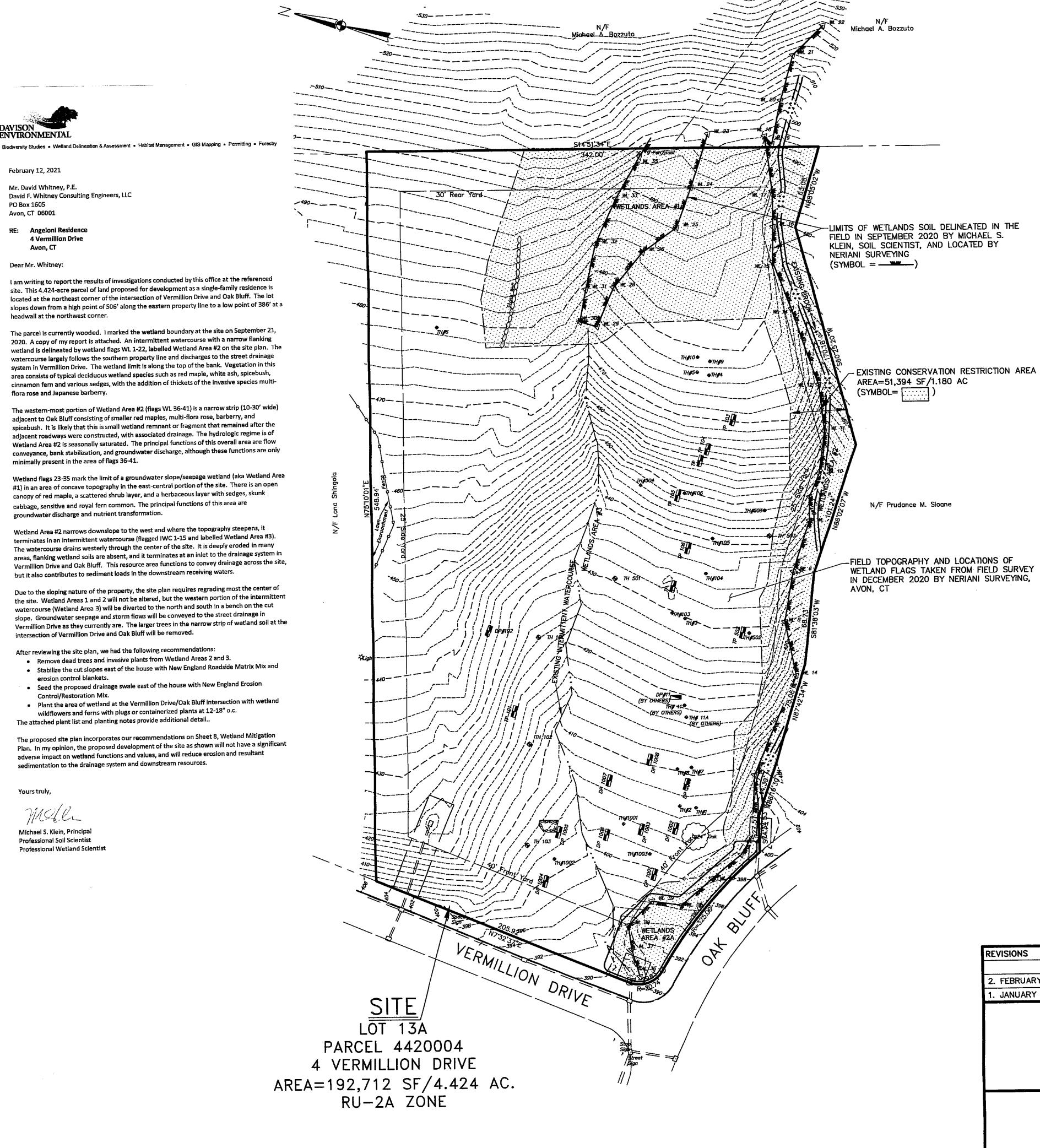
After reviewing the site plan, we had the following recommendations:

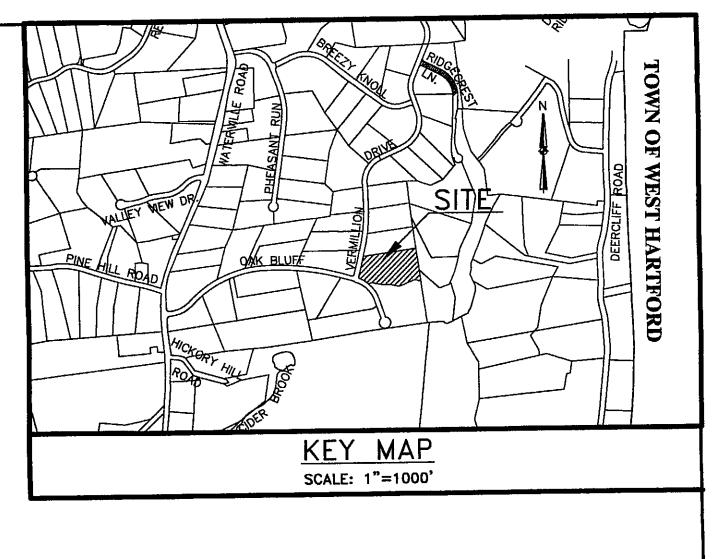
The attached plant list and planting notes provide additional detail..

sedimentation to the drainage system and downstream resources.

Remove dead trees and invasive plants from Wetland Areas 2 and 3.

David F. Whitney Consulting Engineers, LLC





- 1. Property lines, dimensions, locations of wetland flags, location of watercourses, topography on entire property, bench mark, soil test locations, existing roads, existing storm drainage, and miscellaneous information taken from field survey in December 2020 and worksheet prepared by Neriani Surveying, Avon, CT.
- 2. Limits of wetlands soil delineated in the field on September 21, 2020 by Michael S. Klein, Soil Scientist from Davison Environmental LLC, and located by Neriani Surveying in December 2020.
- 3. Site is located in RU-2A Residential Zone.
- 4. Total area of site = 193,350 s.f. / 4.44 acres.
- 5. Sanitary sewage disposal by individual on-site subsurface septic system. The proposed septic system shall be designed by a Professional Engineer licensed in Connecticut, approved by Farmington Valley Health District and installed in accordance with the requirements of the Connecticut Public Health Code.
- 6. This lot is included in a subdivision that was approved prior to the 1982 revisions of the Connecticut Public Health Code, and therefore the minimum required separation distance from a septic system to the watercourse is
- 7. Water supply by individual on-site well.
- 8. All construction methods and materials shall conform to the regulations and requirements of the Town of Avon.
- 9. The Owner shall be responsible for obtaining all necessary permits and approvals prior to start of construction.
- 10. All stumps shall be chipped on-site and used as mulch, or taken off-site for disposal. No stumps shall be buried
- 11. It is intended that all erosion and sediment control measures conform to the requirements of the "Connecticut Guidelines for Soil Erosion & Sediment Control", May 2002 CT DEP Bulletin 34, and the "2004 Connecticut Stormwater Quality Manual" by the CT DEP.
- 12. A pre-construction meeting shall be conducted at least two weeks prior to the start of construction with the owner, the contractor, the design engineer and the Avon Planning and Community Development Specialist, John E. McCahill. John McCahill shall also be notified 48 hours in advance of any tree clearing and the start of construction on the site (860-409-4330).

RECEIVED

JUL - 1 2021

INDEX OF SHEETS

- 1 MAP OF EXISTING SITE
- 2 PROPOSED SEPTIC SYSTEM DESIGN
- 3 SOIL DATA AND SEPTIC SYSTEM DETAILS
- 4 SITE PLAN
- 5 FEASIBLE ALTERNATIVES (PREVIOUS APPROVED PLANS)
- 6A CONSTRUCTION SEQUENCE (PHASES I, II, AND III)
- 6B CONSTRUCTION SEQUENCE (PHASES IV, V, AND VI)
- 7 COMPARISON OF WETLAND DELINEATIONS
- 8 WETLAND MITIGATION PLAN

REVISIONS 2. FEBRUARY 9, 2021: ADDITIONAL REVISIONS FOR IW APPLICATION JANUARY 12, 2021: MISCELLANEOUS REVISIONS FOR IW APPLICATION MAP OF EXISTING SITE THE ANGELONI RESIDENCE PARCEL 4420004 4 VERMILLION DRIVE AVON, CONNECTICUT DAVID F. WHITNEY,

CONSULTING ENGINEERS, LLC 21 ARCH ROAD

P.O. BOX 1605 AVON, CONNECTICUT 06001 (860) 673-8412

1'=40'

JULY 19, 2020

PROJECT, NO HECKED BY: SHEET NO. DFW