



Received IWC 2/27/2020

CIVIL ENGINEERS
LAND SURVEYORS
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LAND PLANNERS

February 27, 2020

Warren Inland Wetlands and Conservation Commissioners
Town of Warren
50 Cemetery Road
Warren, Connecticut 06754

Re: Kent Road (Map 21, Lot 27)
Kent Road, Warren, Connecticut

Dear Commissioners,

This letter is to address the comments of Ms. Kathy Castagnetta, Land Use Officer, in her memorandum to the Commission dated February 26, 2020 regarding the proposed site development plan located at Kent Road, Warren, Connecticut. Please find the comment of Ms. Kathy Castagnetta in italics followed by my response in bold:

1. *Please provide the following details:*
 - a. *Driveway - length and area of driveway and area of parking area and storage yard.*
The driveway is approximately 1,115 feet long with an area of 27,750 sq.ft. The parking area is 2,500 sq.ft. and the storage yard is 5,000 sq.ft.
 - b. *Total area of disturbance*
The total area of disturbance as noted on sheet SES.1 is 1.92 acres.
 - c. *Area of regulated area disturbance*
The total proposed area of disturbance within the wetland regulated area is 0.31 acres.
 - d. *Proposed stormwater infiltration area details*
A detail for the stormwater infiltration areas has been added to sheet SES.1.
2. *Are the proposed stormwater infiltration areas going to be rain gardens? Please provide details and cross section including planting plan for rain gardens.*
The area of construction is relatively flat with well-draining soils. It is anticipated that no special soil matrix will be necessary for infiltration so the proposed stormwater infiltration areas are not designed as rain gardens. The proposed stormwater infiltration areas will be planted with New England Conservation Wildlife Seed Mix (note added to plan).
3. *How will the cut/slope on both sides of the driveway in regulated area be stabilized? It appears a 2:1 slope is being created.*
The cut slopes along the driveway are anticipated to be in ledge rock and stable. All soil areas (cut and fill) will be finished with topsoil, seeded and hayed for stabilization. Soil

erosion and sedimentation controls will be maintained until all disturbed areas are stabilized.

4. *What will be stored in the outside storage yard?*

The outside storage yard will temporarily hold wood logs until approximately 30 yards of wood is collected. At which time Supreme Forestry Products removes the wood and is brought to their facility for use.

5. *Will any removed trees, stumps, branches, etc. be stored onsite from jobs?*

In most jobs wood is not brought back to the subject property/office site. There are circumstances when a few select pieces of timber are brought back and temporarily stored until enough quantity (30 yds) is collected to have a company come and remove the wood.

6. *What is the proposed surface for the outside storage yard?*

The proposed storage yard will have a gravel finish.

7. *Will vehicle/equipment maintenance occur on site? How will motor oil and fuel be handled and stored onsite? Will the storage building have any floor drains?*

All vehicle maintenance is completed at Hagley Motors at their place of business. No motor oil is handled onsite. There will be no floor drains in the building.

8. *How will various chemicals such as pesticides and fertilizers be handled and stored onsite?*

The storing of pesticides and fertilizers will be located inside the building in a storage containment unit specifically designed for the storage of these chemicals as required by regulations and specifically described by the Northeastern Regional Pesticide Coordinators manual dated November 2012. No bulk pesticide storage (55 gallons) will occur on site. Transportation of pesticides and fertilizers are of quantities that are not considered hazardous by the State of Connecticut DOT.

9. *How much traffic is anticipated to use the driveway? What type and number of vehicles will visit and/or be stored at the site? (would like to confirm the driveway within regulated area will hold up considering the proposed use.)*

A total of 4-5 employees using personal vehicles will utilize the driveway at the start and end of the day. There are currently 3 company vehicles that will be used. The largest vehicle, a Ford F550, has a GVW of 19,500 lbs.

10. *It appears the 100' regulated area line does not consider that the slope of land within 100' of the wetland exceeds 5%. (Please see definition of regulated area in Warren Regulations) This calculation may have the most impact in calculating the regulated area from the pond on the west side of the site and may result in the proposed septic area being in regulated area.*

The wetland regulated area has been corrected to illustrate the effect of slope on the regulated area.

11. *The applicant should provide a completed DEEP Activity Reporting Form.*

The completed DEEP Activity Reporting Form has been attached.

12. *What are the cut and fill volumes?*

The total cut volume is approximately 705 cu.yds. The total fill volume is approximately 726 cu.yds. A net fill of 21 yards is proposed.

13. *Please provide construction details for the driveway including cross section.*

Please see sheet SES.1 for the driveway cross section.

14. *Please provide a Sedimentation and Erosion Control Plan/Narrative consistent with the 2002 Connecticut Guidelines for Soil Erosion and Sediment Control.*

Please see sheet SES.1.

If you have additional questions, please do not hesitate to contact me at (860) 354-9346.

Sincerely,

Arthur H. Howland & Associates, P.C.

A handwritten signature in blue ink, appearing to read "Spencer Myles", is written over the printed name and title.

Spencer Myles
Senior Project Manager



GIS CODE #: _____
For DEEP Use Only

79 Elm Street • Hartford, CT 06106-5127

www.ct.gov/deep

Affirmative Action/Equal Opportunity Employer

Statewide Inland Wetlands & Watercourses Activity Reporting Form

Please complete and mail this form in accordance with the instructions on pages 2 and 3 to:

DEEP Land & Water Resources Division, Inland Wetlands Management Program, 79 Elm Street, 3rd Floor, Hartford, CT 06106

Incomplete or incomprehensible forms will be mailed back to the inland wetlands agency.

PART I: Must Be Completed By The Inland Wetlands Agency

1. DATE ACTION WAS TAKEN: year: _____ month: _____
2. ACTION TAKEN (see instructions, only use one code): _____
3. WAS A PUBLIC HEARING HELD (check one)? yes ☐ no ☐
4. NAME OF AGENCY OFFICIAL VERIFYING AND COMPLETING THIS FORM:
(print name) _____ (signature) _____

PART II: To Be Completed By The Inland Wetlands Agency Or The Applicant

5. TOWN IN WHICH THE ACTION IS OCCURRING (print name): Warren
does this project cross municipal boundaries (check one)? yes ☐ no ☒
if yes, list the other town(s) in which the action is occurring (print name(s)): _____
6. LOCATION (see instructions for information): USGS quad name: New Preston or number: 47
subregional drainage basin number: 6012
7. NAME OF APPLICANT, VIOLATOR OR PETITIONER (print name): Arthur H Howland & Associates, P.C.
8. NAME & ADDRESS / LOCATION OF PROJECT SITE (print information): Kent Road
briefly describe the action/project/activity (check and print information): temporary ☐ permanent ☒ description: proposed 50'x80' sq ft garage used for storage with an office and a bathroom, also a proposed driveway
9. ACTIVITY PURPOSE CODE (see instructions, only use one code): D
10. ACTIVITY TYPE CODE(S) (see instructions for codes): 2, 3, 9, 12
11. WETLAND / WATERCOURSE AREA ALTERED (must provide acres or linear feet):
wetlands: 0 acres open water body: 0 acres stream: 0 linear feet
12. UPLAND AREA ALTERED (must provide acres): 0.3 acres
13. AREA OF WETLANDS / WATERCOURSES RESTORED, ENHANCED OR CREATED (must provide acres): 0 acres

DATE RECEIVED:

PART III: To Be Completed By The DEEP







DATE RETURNED TO DEEP:

FORM COMPLETED: YES NO

FORM CORRECTED / COMPLETED: YES NO

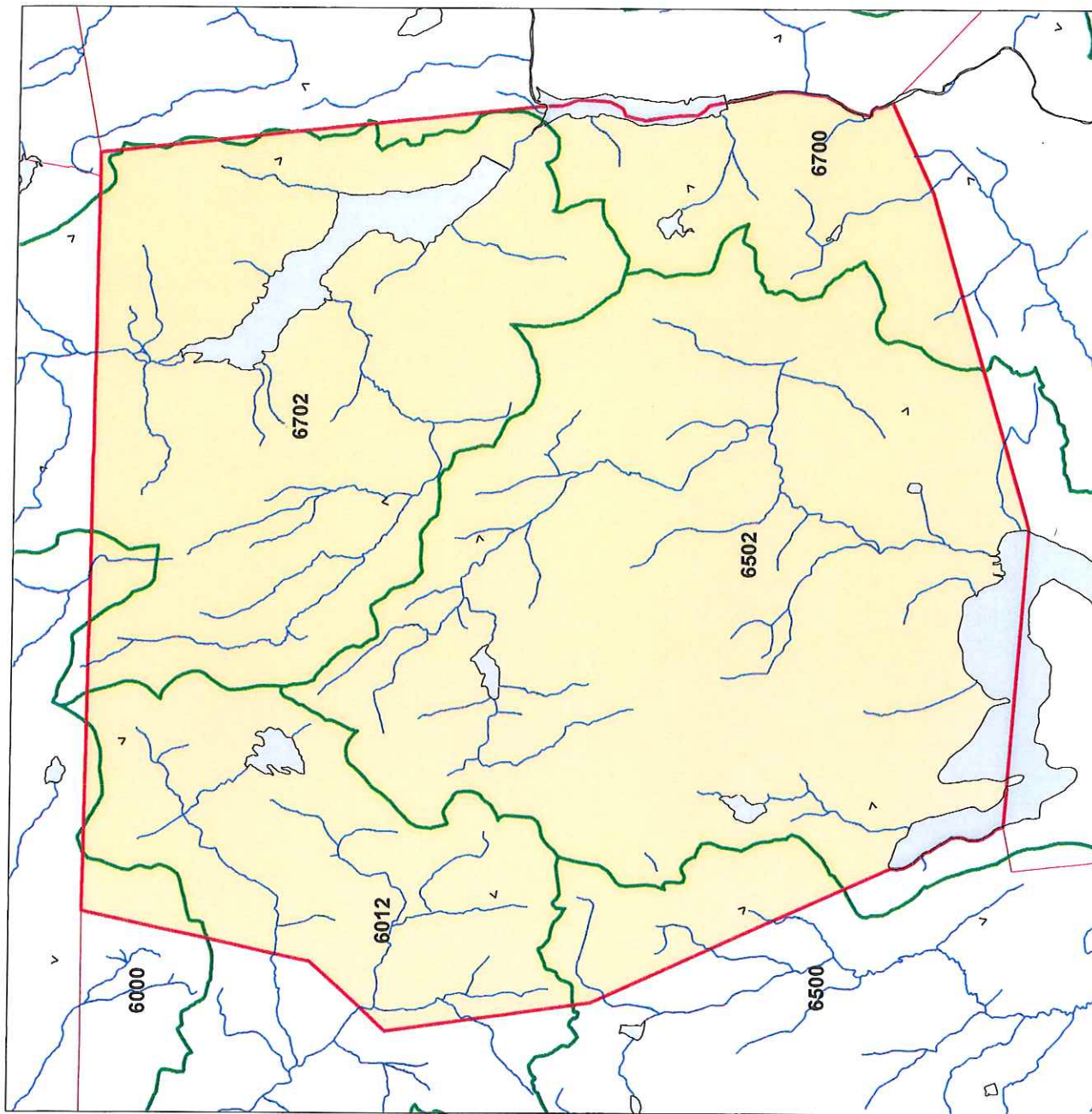
WARREN CONNECTICUT SUBREGIONAL BASINS AND SURFACE WATER FLOW DIRECTIONS

Explanation

-  Town Boundary
-  Subregional Watershed Boundary
- 4201** Subrg. Basin ID# - as designated by CTDEP
-  Watercourse
-  Open Water
-  Basin Outlet
-  Surface Water Flow Direction

The table provides statistics for each subregional basin. Shown are the areas of the basin within the town, the percentage for that area, and the percent of the town covered by each basin.

Sbas_no	AcresInTn	PercofBn	Percoftwn
6000	256.28	0.0	1.5
6012	2411.71	64.4	13.7
6500	619.53	4.9	3.5
6502	7595.44	47.0	43.2
6700	1645.44	3.6	9.4
6702	5062.78	75.6	28.8

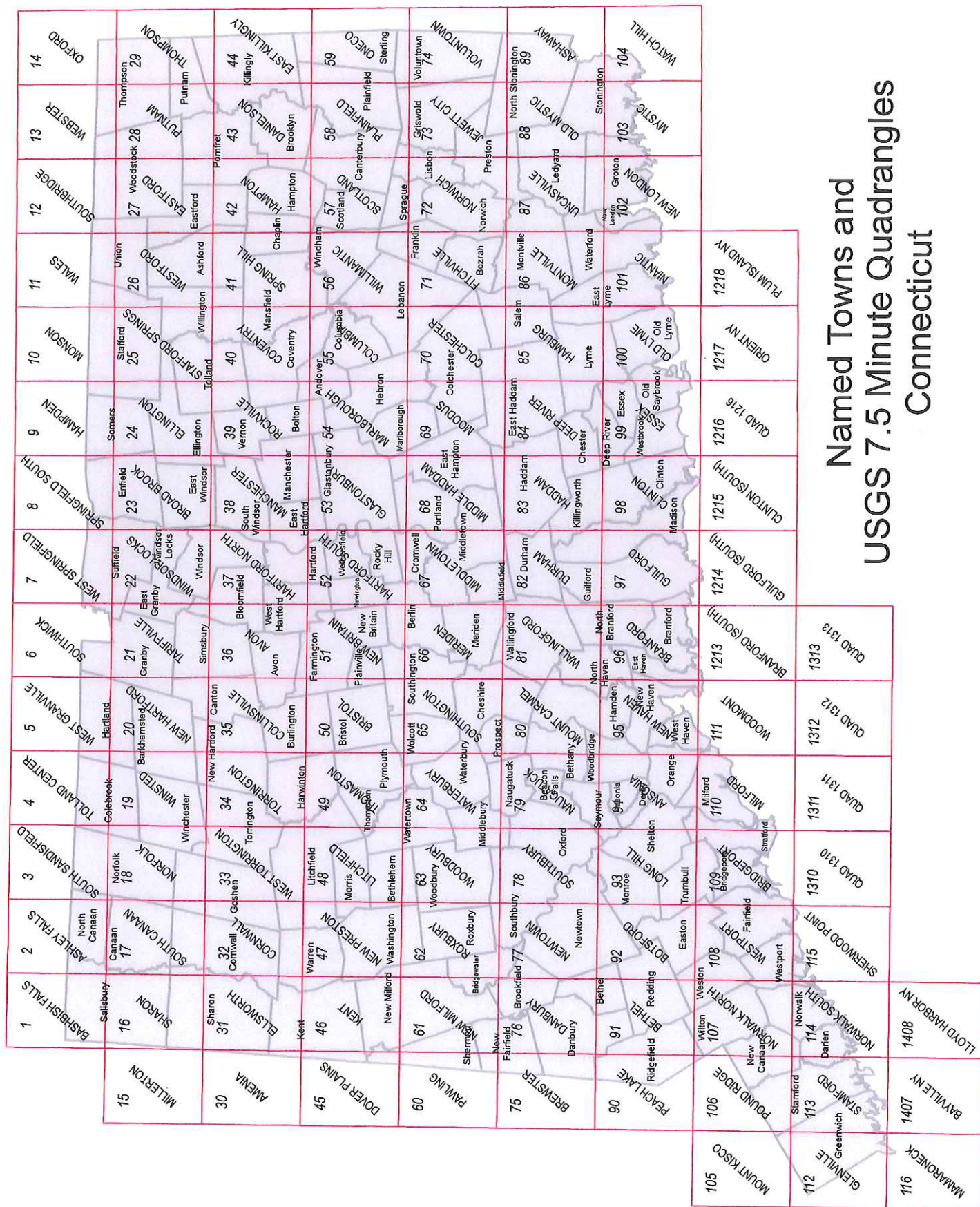


Town Area: 17591 Acres

1 0 1 Miles

Digital layers provided by the CTDEP.
Map composed by the NEMO project.
For educational purposes only.

The University of Connecticut, CES: November 02, 1999






Named Towns and USGS 7.5 Minute Quadrangles Connecticut

Natural Diversity Data Base

Areas

WARREN, CT

December 2019

-  State and Federal Listed Species
-  Critical Habitat
-  Town Boundary

NOTE: This map shows general locations of State and Federal Listed Species and Critical Habitats. Information on listed species is collected and compiled by the Natural Diversity Data Base (NDDB) from a variety of data sources. Exact locations of species have been buffered to produce the generalized locations.

This map is intended for use as a preliminary screening tool for conducting a Natural Diversity Data Base Review Request. To use the map, locate the project boundaries and any additional affected areas. If the project is within a hatched area there may be a potential conflict with a listed species. For more information, complete a Request for Natural Diversity Data Base State Listed Species Review form (DEP-APP-007), and submit it to the NDDB along with the required maps and information. More detailed instructions are provided with the request form on our website.

www.ct.gov/deep/nddbrequest

Use the CTECO Interactive Map Viewers at www.cteco.uconn.edu to more precisely search for and locate a site and to view aerial imagery with NDDB Areas.

QUESTIONS: Department of Energy and Environmental Protection (DEEP)
79 Elm St, Hartford, CT 06106
email: deep.nddbrequest@ct.gov
Phone: (860) 424-3011



Connecticut Department of
Energy & Environmental Protection
Bureau of Natural Resources
Wildlife Division

