



# Town of Simsbury

Office of Community Planning and Development - Inland Wetlands Permit Application



DATE: 5/17/22 FEE: \$ 240<sup>00</sup> CK #: 0494 APP #: 2208

PROPERTY ADDRESS: 15 Hop Brook Rd.

NAME OF APPLICANT: Michael Regan

MAILING ADDRESS: 25 Peters Rd. Bloomfield CT 06002

EMAIL ADDRESS: regantotalconstruction@gmail.com TELEPHONE # 860-930-1994

NAME OF OWNER: Sheila Berkowitz

MAILING ADDRESS: 15 Hop Brook Rd. Simsbury CT 06070

EMAIL ADDRESS: always hiking@comcast.net TELEPHONE # \_\_\_\_\_

NOTE: ATTACH A WRITTEN LETTER OF AGENCY, DULY ACKNOWLEDGED, TO ACT FOR THE OWNER, INCLUDING THE ABILITY TO CARRY OUT ACTIVITIES SET FORTH HEREIN.

DESCRIBE THE SPECIFIC ACTIVITY(ies) FOR WHICH A PERMIT IS SOUGHT AS IT RELATES TO "REGULATED ACTIVITIES" AS DEFINED IN SECTION 6 OF THE SIMSBURY INLAND WETLANDS REGULATIONS, SUCH AS: A) REMOVE MATERIAL FROM; B) DEPOSIT MATERIAL IN OR DISCHARGE TO; C) CONSTRUCT ON; D) OBSTRUCT; E) ALTER; F) POLLUTE; OR G) OTHERWISE ADVERSELY AFFECT A REGULATED AREA:

We are trying to construct two decks in replacement of the existing two decks. We would only be disturbing 10 square feet of soil for the concrete stair supports in an existing grass area

### CERTIFICATIONS AND PERMISSIONS:

As owner, I hereby give permission to the Town of Simsbury's Conservation Commission Inland Wetlands Watercourses Agency, their Agents, or Town Staff to enter upon my land to make observations and tests as may be necessary to evaluate this application and ongoing work, subject to twenty-four hours notice of such entry/testing.

I hereby certify that all statements herein are true to the best of my knowledge, whether made by me or my agents. Any permit issued shall be contingent upon field conditions and activities being substantiated as indicated herein. A changed situation shall require reconsideration of the permit by the Commission upon discovery by either party.

I certify that I have the authority to sign this application.

	<u>5/17/22</u>		<u>5/17/22</u>
Signature of Owner	Date	Signature and Title of Applicant	Date

Telephone (860) 658-3245  
Facsimile (860) 658-3206

[www.simsbury-ct.gov](http://www.simsbury-ct.gov)

933 Hopmeadow Street  
Simsbury, CT 06070

## INSTRUCTIONS FOR APPLICANT

Any person seeking a permit to carry out a regulated activity on property which has been designated an inland wetland or watercourse by the Conservation Commission or within the 100-foot regulated buffer area of a designated inland wetland or watercourse must complete and submit the Inland Wetlands Permit Application to the Planning Department.

Submission shall occur by the day before a regular meeting of the Conservation Commission. (See Section 5 of the Inland Wetlands and Watercourses Regulations of the Town of Simsbury.) Application will be heard at the following meeting, after petition period.

The original application shall be submitted with eleven (11) copies. Maps on sheets larger than 11"x14" shall be submitted in at least three (3) copies. Additional copies of site plans may be required. PDFs of the maps, if available, should be submitted, as well. PDFs can be emailed to lbarkowski@simsbury-ct.gov.

A filing fee shall accompany the application, as required by the Land Use Application Fees schedule. Please consult with the Planning Office for specific fee determination.

The following information shall be provided on white paper (8 ½"x11") and typewritten. Reproduce the following questions along with the answer and attach to the application.

1. *In the case of a public hearing or map amendment*, list on a separate sheet of paper the names and addresses of all abutting property owners and property owners within 100 feet of all property lines. Identify on one of the attached maps.
2. Describe the site and the regulated area or wetlands/watercourses involved:
  - a. General site conditions, including vegetation and general soil conditions.
  - b. Size of wetland within site or distance of the activity from the wetland.
  - c. Size of total contiguous wetland.
  - d. Position relative to other wetlands on site.
  - e. Type of wetland characterized by vegetative and soil type and/or watercourse, such as: 1) open/deep fresh water pond or lake; 2) shallow marsh; 3) seasonally flooded basins and flats; 4) meadow; 5) shrub swamp; 6) wooded swamp; 7) bog; 8) kettle; 9) stream type; 10) other.

3. **Depth to water table, depth to mottled soil, and seasonal variation of water table.**
4. **Describe the immediate impact on the wetlands and watercourses, including, but not limited to:**
  - a. **Quantities, by volume and area disturbed, of materials to be removed, deposited, or altered.**
  - b. **Kinds of materials by soil types and vegetative classifications, and materials classification to be removed, deposited, or altered.**
  - c. **Percent of wetlands/watercourses disturbed or altered to total area of wetlands/watercourses on the parcel.**
5. **Describe the related construction activities and their impact on:**
  - a. **Area and location of wetlands and watercourses.**
  - b. **Types and amounts of vegetation.**
  - c. **Surface and groundwater.**
  - d. **Visual impacts.**
  - e. **Wildlife habitats.**
6. **Describe the long term or permanent impact of the activity(ies) on environmental aspects, such as the surface and groundwater quality, storm water runoff, visual impact(s), or wildlife habitats on:**
  - a. **Wetlands and/or watercourses.**
  - b. **Abutting riparian properties and/or wetlands and/or watercourses.**
7. **Identify sedimentation and erosion control measures to be used.**
8. **Identify alternatives to the proposed activity that were considered, including alternative sites and why this one was chosen.**
9. **Estimate cost of work and time for completion.**
10. **Attach drainage calculations and other reports as indicated to substantiate the statements made above.**

**11. REQUIRED MAPS**

- a. **Attach a vicinity map on an 8 ½"x11" sheet at scale 1"=200' or 1"=800' (depending upon the size of the parcel) showing the general location of the area in which the regulated activity is proposed. The map should be in sufficient detail to allow the identification of the property on the official Inland Wetlands and Watercourses map. A guide to the kinds of information to be shown is available in the Planning Department at the Town Hall.**

**b. Site Plan(s) showing:**

- i. The topography showing contours at intervals of not more than two (2) feet and a minimum of two (2) contour marks per ten (10) acres at a scale of 1"=100' or 1"=40' (whichever is more appropriate).
- ii. Location of existing watercourses and/or ponds.
- iii. Location of regulated activity.
- iv. Proposed grading and/or filling.
- v. Proposed drainage, site utilities, wells, etc.
- vi. Sedimentation and erosion control measures.

**12. The Applicant shall certify whether:**

- a. Any portion of the property on which the regulated activity is proposed is located within 500 feet of the boundary of an adjoining municipality.
- b. Traffic attributable to the completed project on the site will use streets within the adjoining municipality to enter or exit the site.
- c. Sewer or water drainage from the project site will flow through and affect the sewage or drainage system within the adjoining municipality or
- d. Water runoff from the improved site will affect streets or other municipal or private property within the adjoining municipality.
- e. Documentation that notice of the pending application was provided to the adjacent municipality (certified mail, return receipt requested) on the same day of filing an inland wetland permit application with the Town of Simsbury.
- f. The property is subject to a conservation restriction or preservation restriction, and, if so, what party or parties are holders thereof or intended to be benefitted thereby.

**ALL INFORMATION MUST BE COMPLETED TO THE EXTENT INDICATED BY THE COMMISSION BEFORE ANY ACTION IS TAKEN ON THE PERMIT APPLICATION. INCOMPLETE APPLICATIONS WILL BE DENIED. ADDITIONAL INFORMATION MAY BE REQUIRED BY THE COMMISSION.**

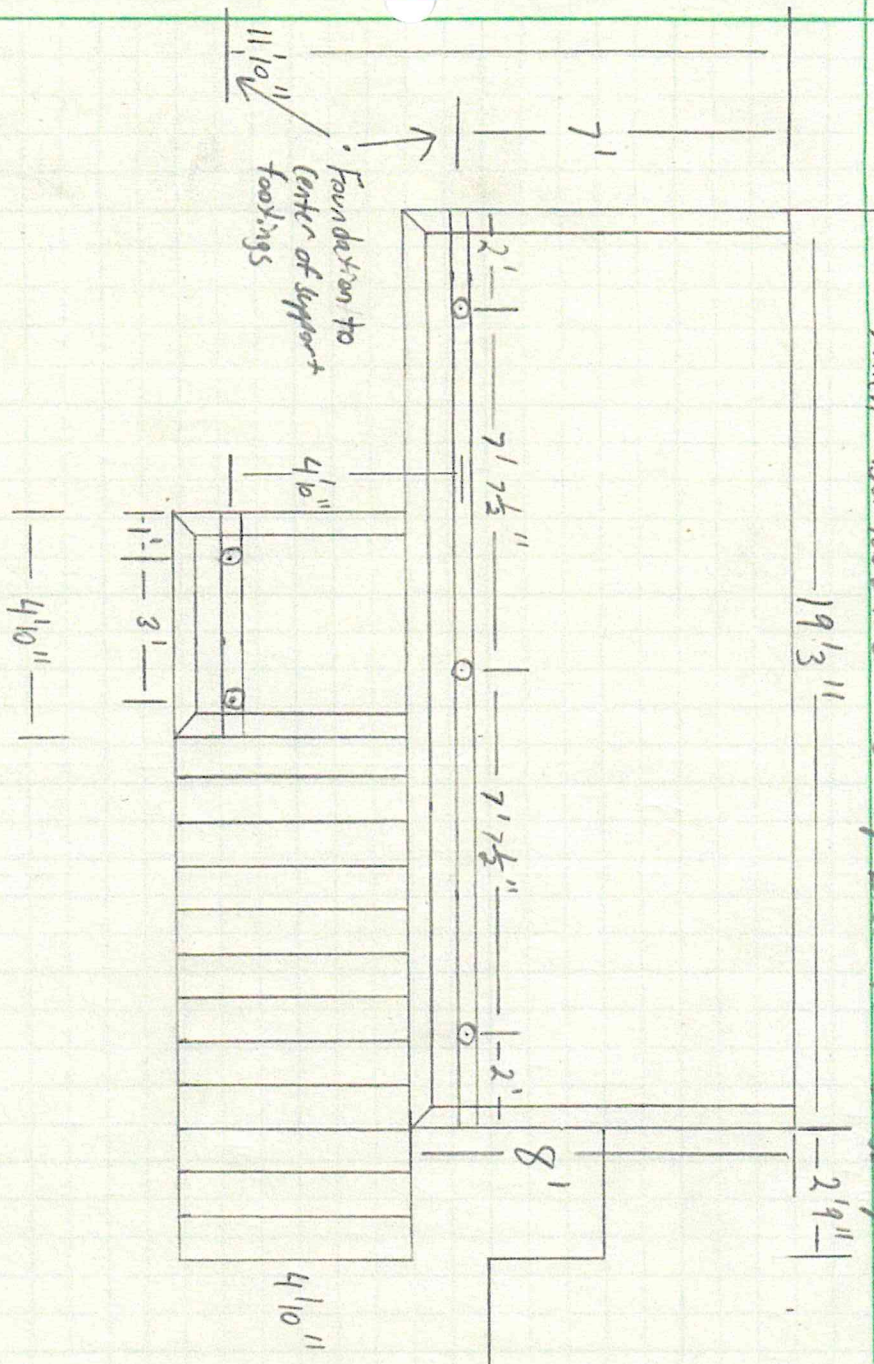
**THE APPLICANT AND/OR AUTHORIZED AGENT SHOULD ATTEND THE CONSERVATION COMMISSION/INLAND WETLANDS & WATERCOURSES AGENCY MEETING IN ORDER FOR A DECISION TO BE RENDERED. IF APPLICANT OR AGENT DOES NOT ATTEND, AND QUESTIONS ARISE, DECISION ON APPLICATION MAY BE DEFERRED OR DENIED.**

Regan Total Construction  
25 Peters Rd.  
Bloomfield CT 06002  
(860) 324-4437

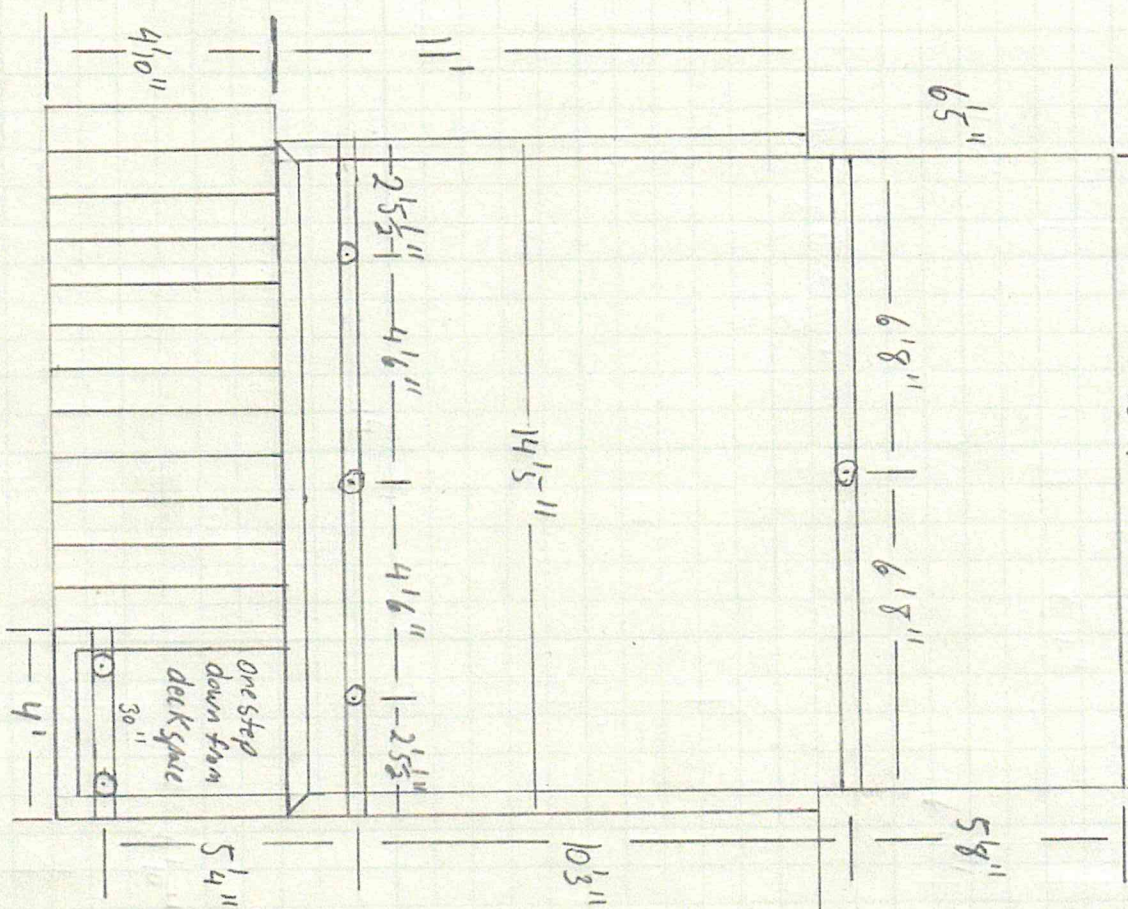
Deck Permit Information Allen Berkowitz 15 Hop Brook Rd Simsbury CT 06070:

- Helical Pile Footings install by Techno Metal Posts of CT with Engineered documents
- 6x6 Support posts sitting on Helical 6x6 bracket and connecting with triple 2x10 beams with simpson bracket
- Triple 2x10 beam Undermounted beam
- Pressure Treated 2x8 framing for deck #1 and 2x10 Framing for deck #2 12"o.c. with staggered blocking installed mid span between the support beam and the ledger connection at the house as well as between the beam and the outside of the cantilever
- Joist hangers at Joist to Ledger connection and Hurricane ties at joist to beam connection
- 3 5/8" Ledger loks will be installed across the ledger connection to the house 12"o.c. staggered up and down with two stacked top and bottom on each end.
- Lateral Tension tie system install at 4 connection points to the house
- Flashing at the house to deck framing connection
- 2x12 stair stringers install 9"o.c. for this level of decking hung by skewed slope hangers and landing on a concrete pad for proper level support design to meet IRC section R403.1.4.1 requires 12" frost protection at the base of the stairs. This concrete pad will also extend 36" past the bottom stair to meet IRC Section R311.7.6 unless the stairs are planned to meet a different surface that will meet this requirement (Such as: A patio, pavement or solid stone)
- Trex Transcends decking install with hidden fastener system and Trex Signature Railing system with metal 4x4 flush mount posts installed per manufacturer's instructions
- Graspable hand railing running up one side of the stairs for anything that meets or exceeds 4 risers
- Trex Composite Fascia Trim to be installed around the box frame of the deck, side of the stair stringers and as the stair riser trim as well.

Allen Benkowitz 15 Hop Brook Rd. Simsbury CT 06070 Deck #1 layout



1/4" scale Allen Berkowitz 15 Hop Brook Rd. Simsbury CT 06070 Deck # 2 Layout



Distances between foundation & centers of support footings

# ADVANTAGES OF USING TECHNO TECHNO METAL POST HELICAL PIERS

Recognizing the application and use of these steel metal posts, Techno Metal Post's helical pier is screwed into the ground using proprietary machinery until the bearing capacity required for your structure is achieved. The advantages to using Techno Metal Post's helical piers are the following:

- ▶ Rapid installation
- ▶ Ready to build on immediately
- ▶ No excavation
- ▶ No concrete required
- ▶ Removable
- ▶ Minimal environmental impact
- ▶ Low footprint on the job site
- ▶ Immediate load carrying capability
- ▶ Installation at remote locations or at sites with limited access
- ▶ Installation monitoring and verification of load capacity during installation
- ▶ Installation in high groundwater conditions
- ▶ Wide range of soil and load applications
- ▶ Modular construction, screw piles and helical anchors are fabricated in sections giving a modular type of construction meaning that it is easy to extend or reduce the length of the installation as needed to suit the site conditions and the design requirements
- ▶ Installation is not weather dependent, most installations can proceed even in marginal conditions
- ▶ On tight construction schedule's where the rest of the project depends on the installation of the foundations or anchors such as emergency response
- ▶ **Catholic Protection System** can be added to increase life expectancy of helical piers
- ▶ Low noise level associated with installation
- ▶ Installation produces minimal vibrations and ground disturbance
- ▶ **ABC Deck Application**
- ▶ Tight Access
- ▶ Proprietary equipment that allows installation of helical piers indoors due to our equipment having an electric motor option
- ▶ Our specifically designed heavy-duty polyethylene sleeve encases the post and prevents it from being affected by ground movement.





## WORRIED ABOUT FROST-HEAVING? WE HAVE SOLVED THAT PROBLEM WITH A HEAVY-DUTY POLYETHYLENE SLEEVE SPECIALLY DESIGNED TO PREVENT OUR POSTS FROM BEING AFFECTED BY GROUND MOVEMENT.

One of the major challenges a helical pier foundation must face is resisting ground movements. When the ground moves, it tends to pull or push on the shaft of the pile. Techno Metal Post designed and developed this proprietary **green-coloured sleeve** that reduces the grip of ground movements on the pier. The sleeve size is adapted to that of the pile and is installed around the pier when it is screwed into the soil. Once in place, the sleeve slides up and down the pile with natural ground movements. It allows the pile to remain perfectly stable during freezing, thawing or drought periods.

## OUR HELICAL PILES ARE CHARACTERIZED BY ITS HIGH-QUALITY STEEL.

In an era where many companies choose to source their raw materials from Asia, the Techno Metal Post team is committed to purchasing North American steel for manufacturing its piles. Our piles are manufactured using structural steel according to ASTM A500 grade C, CAN/CSA-G40.21-98 and CSA W47.1 standards. Their design allows for maximum use of soil capacity. They have been load tested according to ASTM-D1143 and ASTM-D3689 standards in several types of soils around the world.

## WE PROVIDE ENGINEERED REPORTS FOR PERMITTING

Several pier and helix sizes have been designed to ensure every project benefits from maximum support. Our **engineering department** is at your service to help you determine the helical pier best suited to your project. The piers can be galvanized to provide protection against corrosion according to ASTM A123/123M-13 standard (minimum of 610 g/m<sup>2</sup>) or be installed with a cathodic protection system to prevent steel corrosion in the ground.

## CONNECTION BRACKETS THAT ARE APPROPRIATE AND TAILORED TO THE STRUCTURE TO BE SUPPORTED.

For patios and decks, height-adjustable, standard pile-to-structure connectors are available. Techno Metal Post has also developed support systems with reinforcing rods when using piles with concrete foundations for underpinning work. For any given project, our production team can quickly manufacture a custom support system.

