



Town of Simsbury

Office of Community Planning and Development - Inland Wetlands Permit Application

DATE: October 26, 2021 FEE: \$ N/A CK #: N/A APP #: _____

PROPERTY ADDRESS: Owens Brook and Hopmeadow Street

NAME OF APPLICANT: Town of Simsbury DPW

MAILING ADDRESS: 933 Hopmeadow Street Simsbury CT 06070

EMAIL ADDRESS: thazel@simsbury-ct.gov TELEPHONE # 860-658-3240

NAME OF OWNER: Town of Simsbury

MAILING ADDRESS: 933 Hopmeadow Street Simsbury CT 06070

EMAIL ADDRESS: thazel@simsbury-ct.gov TELEPHONE # 860-658-3240

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: Emergency culvert repair due to slope erosion threatening life safety and adjoining property. Brush cutting, fallen tree removal, Silt excavation with a water bypass system for water quality control.

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>maria E. Capriola</u> | <u>10/26/21</u> | <u>[Signature]</u> | <u>Assistant Town Planner</u> |
| <i>Signature of Owner</i> | <i>Date</i> | <i>Signature and Title of Applicant</i> | <i>Date</i> |
| | | | <u>10/26/2021</u> |

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

www.simsbury-ct.gov

933 Hopmeadow Street
Simsbury, CT 06070

Owens Brook Boulevard at Hopmeadow Street:

Vegetation is a mix of invasive Knot Weed, Bittersweet and Multiflora Rose. There are emergent catalpa trees and established hard woods of which most are choked out by the invasive vines.

The soils are consistently sandy on the slopes and in the erosion zone. The towns map indicates Saco Silt Loam in the area. NRCS and DEEP have Udorthents-Urban Land complex. The field visit confirms the high level of disturbance consistent with NRCS and DEEP and shows a very sandy soil in the area of concern.

The areas that will be worked in are 0.26 acres and 0.06 acres. The larger area will be mainly brush mowed and re established with a more native mix allowing easier inspections in the future. This area will also reestablish the stream channel in areas impacted by the upstream erosion. The smaller area is where the inlet failure is and the slope collapse is. This area will require excavation and slope stabilization to re-establish unimpeded flow through the inlet. Work will be performed in the stream channel.

There will be direct impact to the stream and to ensure water quality is maintained and materials do not migrate downstream a water bypass will be established during work. The area of soil disturbance should be less than 0.10 acres. This section of wetlands is a stormwater collector for East Tomstead, Oxford Court, Owens Brook Boulevard, Hopmeadow Street and other roads to the west.

This project application was granted emergency repair status from the wetland's agent due to the direct impact to abutting properties and the possible life safety impacts.



Hazel Thomas

From: Tom Roy
Sent: Monday, October 25, 2021 12:14 PM
To: Glidden Michael; Shea Jeff; Tyburski Tom
Cc: Clemens Kevin; Capriola Maria E.; Hazel Thomas
Subject: RE: Owens Brook Washout
Attachments: IMG_3263.JPEG; IMG_3264.JPEG; IMG_3269.JPEG

Good Morning All,

As most of you are aware, we have a slope failure along the Open Space on Owen's Brook that has led to a very steep and unstable slope adjacent to the Meadowview Apartments on Hopmeadow Street. Additionally the failed slope and soil are blocking the culvert in this area and will inhibit the flow of Owen's Brook. We believe that regular stream flow is finding its way through the soil and there is a sufficient amount of upstream storage to hold "most" stream flows. I am however, concerned over the forecasted heavy rain events in the next 24-hours.

In the short term, we will be monitoring the condition of the brook and looking for any potential flooding that would impact Owen's Brook Blvd. as well as any changes to the slope that could impact the parking lot of the Meadowview Apartments.

Moving forward, Public Works recommends the following approach:

- Clear all of the vegetation in the lower section of the stream channel – the vast majority of this vegetation is invasive (bitter sweet, knot weed, etc.). This will be very visible at this location and may generate a lot of phone calls. Ultimately, I think this will become a very nice "feature" where residents will once again be able to see the brook.
- Bypass pump from the upstream location and discharge to the roadway, allowing the flow in the gutter to the catch basin just west of Hopmeadow Street – WPCA will supply pump.
- Re-establish the stream channel in the lower section of the project – place woodchips/mulch to stabilize the banks in the area of the removed vegetation for the winter. In early spring, top soil and seed this area (Possibly a Pollinator Pathway opportunity)
- Remove the fallen trees and debris from the upstream end of the culvert. Find the culvert head wall and or pipe. Install a catchbasin or manhole and extend the culvert ~60' upstream, to a new headwall.
- Regrade the slopes and fill in the valley to allow for safe/stable slopes. Establish vegetation or mulch to stabilize all slopes and open cut areas.
- We will be using contractors to perform a good portion of this work and would estimate the cost of this project to be approximately \$50,000.
- Permits – Mike Glidden/Tom Hazel will coordinate with various boards. Public Works will not begin work, until we have authorization.

I have attached a few photos if this helps with the appropriation process. Please let me know if you have any thoughts or concerns with the proposed approach to this project.

Thanks

Tom

From: Tom Roy
Sent: Thursday, October 21, 2021 12:05 PM
To: Glidden Michael; Shea Jeff; Tyburski Tom
Subject: Owens Brook Washout

Hi All,

So as you are all aware we have a significant issue along Owen's Brook adjacent to 971 Hopmeadow Street. It looks like the bank has collapsed in and is now covering the opening to the culvert. Water is currently finding a way and we have not had a backup issue, but I don't believe this system will be able to handle any significant rain event. Additionally, I have a concern about the steep slope adjacent to the parking lot for the apartments at 971 Hopmeadow.

This failure is not associated with the sanitary sewer – see attached map. But we need to determine who is going to take the lead on this... This is on Open Space, but I am not sure this is best handled by our Parks staff (no offense, just not in your normal operations). Not sure if there is any responsibility for the property owner at 971 – we could discuss at legal.

Please let me know if you want to get together on this, but I want to be sure we get this resolved soon.

Thanks,

Tom

Thomas J. Roy, P.E.
Director of Public Works
Town of Simsbury
66 Town Forest Road
West Simsbury, CT 06092
(o) 860.658.3222
(f) 860.408.5416

Hazel Thomas

From: Capriola Maria E.
Sent: Tuesday, October 26, 2021 8:31 PM
To: Tom Roy; Glidden Michael; Shea Jeff; Tyburski Tom
Cc: Clemens Kevin; Hazel Thomas; Meriwether Amy
Subject: RE: Owens Brook Washout

Amy and I are comfortable with completing this work under the emergency provisions of the Charter. Please proceed as outlined.

From: Tom Roy
Sent: Monday, October 25, 2021 12:14 PM
To: Glidden Michael <mglidden@simsbury-ct.gov>; Shea Jeff <jshea@simsbury-ct.gov>; Tyburski Tom <ttyburski@simsbury-ct.gov>
Cc: Clemens Kevin <kclemens@simsbury-ct.gov>; Capriola Maria E. <mcapriola@simsbury-ct.gov>; Hazel Thomas <thazel@simsbury-ct.gov>
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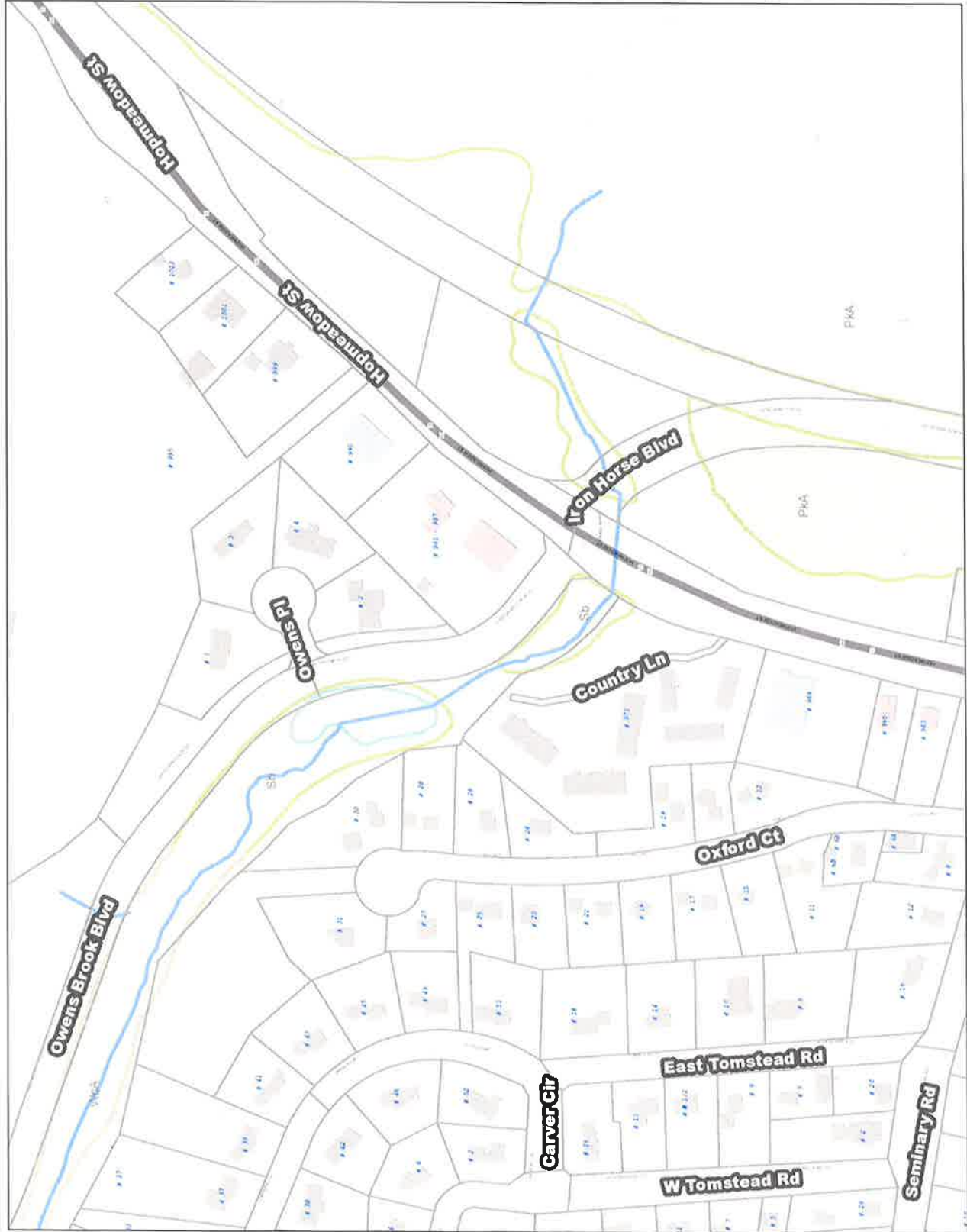
Thanks,

Tom

Thomas J. Roy, P.E.
Director of Public Works
Town of Simsbury
66 Town Forest Road
West Simsbury, CT 06092
(o) 860.658.3222
(f) 860.408.5416

SATCO Soil + Contam

Town of Simsbury, CT



| Legend | |
|--------|----------------------------|
| | Parcels |
| | Street Labels |
| | Town Border |
| | CT Simsbury.DBO. |
| | ACAD_Wetlands_Ammended1 |
| | CT Simsbury.DBO. |
| | ACAD_Wetlands_SCStext_Arc |
| | CT Simsbury.DBO. |
| | ACAD_Wetlands_RiversStream |
| | CT Simsbury.DBO.ACAD_We |
| | CT Simsbury.DBO. |
| | ACAD_SOIL_Wetlands_Agenc |
| | CT Simsbury.DBO. |
| | ACAD_Wetlands_Ponds_Arcs |
| | CT Simsbury.DBO. |
| | ACAD_Wetlands_Ponds_Poly |
| | CT Simsbury.DBO. |
| | ACAD_SOIL_Wetlands_Agenc |
| | CT Simsbury.DBO.ACAD_We |
| | CT Simsbury.DBO. |
| | ACAD_Wetlands_RiversStream |



Notes



This product is for informational purposes and may not have been prepared for, or be suitable for legal, engineering, or surveying purposes. Users of this information should review or consult the primary data and information sources to ascertain the usability of the information.

Soil Map—State of Connecticut



Map Scale: 1:2,020 if printed on A landscape (11" x 8.5") sheet.



Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 18N WGS84

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:12,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
 Web Soil Survey URL:
 Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.








































Soil Survey Area: State of Connecticut
 Survey Area Data: Version 21, Sep 7, 2021

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Aug 24, 2019—Oct 24, 2019

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

MAP LEGEND

- | | |
|--|---|
|  Area of Interest (AOI) |  Spoil Area |
|  Soils |  Stony Spot |
|  Soil Map Unit Polygons |  Very Stony Spot |
|  Soil Map Unit Lines |  Wet Spot |
|  Soil Map Unit Points |  Other |
|  Special Point Features |  Special Line Features |
|  Blowout |  Streams and Canals |
|  Borrow Pit |  Transportation |
|  Clay Spot |  Rails |
|  Closed Depression |  Interstate Highways |
|  Gravel Pit |  US Routes |
|  Gravelly Spot |  Major Roads |
|  Landfill |  Local Roads |
|  Lava Flow |  Background |
|  Marsh or swamp |  Aerial Photography |
|  Mine or Quarry | |
|  Miscellaneous Water | |
|  Perennial Water | |
|  Rock Outcrop | |
|  Saline Spot | |
|  Sandy Spot | |
|  Severely Eroded Spot | |
|  Sinkhole | |
|  Slide or Slip | |
|  Sodic Spot | |

Map Unit Legend

| Map Unit Symbol | Map Unit Name | Acres in AOI | Percent of AOI |
|------------------------------------|--|--------------|----------------|
| 18 | Catden and Freetown soils, 0 to 2 percent slopes | 1.2 | 6.5% |
| 34A | Merrimac fine sandy loam, 0 to 3 percent slopes | 2.2 | 11.6% |
| 38C | Hinckley loamy sand, 3 to 15 percent slopes | 2.3 | 12.6% |
| 38E | Hinckley loamy sand, 15 to 45 percent slopes | 3.3 | 17.8% |
| 108 | Saco silt loam | 2.2 | 12.0% |
| 306 | Udorthents-Urban land complex | 6.8 | 36.4% |
| W | Water | 0.6 | 3.2% |
| Totals for Area of Interest | | 18.7 | 100.0% |



10/25/2021



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