

DDS- Planning and Zoning: Application for Inland Wetlands and Watercourses Permit



Submission date: **12 March 2021, 12:00PM**

Receipt number: **4**

Please Reference all attachments by appropriate
identification on application form **Wetlands Permit**

A. Property Information

611 Brookfield St, Hartford, CT 06106, USA [Map](#)
(41.738180408573115, -72.7074169946289)

Zoning District: **OS**

Name of Property Owner: **City of Hartford Housing Authority**

Property Owner's Address **180 John D. Wardlaw Way**

Phone: **860-723-8508**

Email: **bbare@hartfordhousing.com**

B. Applicant

Name of Applicant **Jessica Webb - Empire Paving**

File Date: **03/12/2021**

Address: **30 Bernhard Rd**

Phone: **203-996-6963**

Email: **jessicaw@empirepaving.com**

Is applicant owner, leasee, or prospective tenant? **no**

Property Owner's Consent to Apply:	yes
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C. Primary Point of Contact

Name:	Jessica Webb
Phone:	2039966963
Email:	jessicaw@empirepaving.com

D. Project Information

1. Project Name (may be an address)	180 John D. Wardlaw Way
2. Size in Square Feet:	2000 +/-
3. Linear Feet of Watercourse and/or Adjacent to site:	100' +/-

4. Please describe wetlands and/or watercourses conditions that make Permit necessary:

On Friday, February 19, 2021, an inadvertent spill from an earthen slurry containment pit caused a discharge of material onto the adjacent property of 180 John D. Wardlay Way. The origination of the spill was from 611 Brookfield St., Hartford where construction activities related to the MDC South Hartford Conveyance and Storage Tunnel were being performed. The slurry is a mixture of water and natural soils generated from the microtunneling operation for the forementioned project. The purpose of this permit application is to remediate the material deposited onto the property. A Notice of Violation was issued on March 2, 2021. A copy of the notice is included along with other pertinent information regarding this event.

Proposed Action

Activity to be Undertaken

Filing

Excavation

Other (Explain and attach)

[Inland Wetlands and Watercourses Permit Application.pdf](#)

F. Time Period

Is this permit needed for 2, 3 ,4 or 5 years?

1

Will applicant request renewal of permit?

No

G. Nearby Property Owners

Provide names and mailing addresses of all property owners within 150 feet of site including those opposite all public rights-of-way for map amendments and all abutting property owners for permit applications.

see attachment

H. Alternatives

1. Explain each alternative site considered for each proposed activity and explain why it was rejected. 2. Explain each alternative considered for changing the wetlands and watercourses and explain why it was rejected.

J. Consent

Signature of property owner

Name of Property Owner:

Hartford Housing Authority (signature included in attachment)

Date:

3/12/21

Signature of Applicant/ Agent:



[Link to signature](#)

Name of Applicant/ Agent:

Jessica Webb

Date:

03/12/2021

Signature of Applicant/Agent



[Link to signature](#)

Print Name of Applicant/Agent

Jessica Webb

Date:

3/12/21

Date:

3/12/21

City of Hartford
Department of Development Services
Planning Division

Return Form to the Planning Desk at the
 Licenses & Inspections Division Counter
 860-757-9239
 260 Constitution Plaza
 Hartford, Connecticut 06103-1822



For Assistance Contact Planning Division
 860-757-9040
 250 Constitution Plaza, 4th Floor
 Hartford, Connecticut 06103-1822
<http://planning.hartford.gov>

INLAND WETLANDS AND WATERCOURSES PERMIT APPLICATION

(Please reference all attachments by appropriate
 identification on application form)

☒ Wetlands Permit
☐ Map Amendment

A. PROPERTY INFORMATION

Property Address: 180 JOHN D. WARDLAW WAY City: HARTFORD State: CT Zip Code: 06106
 Zoning District: OS - OPEN SPACE
 Property Owner: CITY OF HARTFORD HOUSING AUTHORITY (BEN BARE - GEN. COUNSEL)
 Property Owner's Address: 180 JOHN D. WARDLAW WAY City: HARTFORD State: CT Zip Code: 06106
 Phone: 860-723-8508 Email: BBARE@HARTFORDHOUSING.ORG

B. APPLICANT

Name of Applicant: JESSICA WEBB / EMPIRE PAVING File Date: 3/12/21
 Address: 30 BERNHARD RD City: NORTH HAVEN State: CT Zip Code: _____
 Phone: 203-996-6963 Email: JESSICAW@EMPIREPAVING.COM
 Is applicant owner, lessee, or prospective tenant? NO
 Property Owner's Consent to Apply YES. SEE SECTION J

C. PRIMARY POINT OF CONTACT:

Name: JESSICA WEBB
 Phone: 203-996-6963
 Email: JESSICAW@EMPIREPAVING.COM

D. PROJECT INFORMATION:

1. Project Name (may be address) 180 JOHN D. WARDLAW WAY
2. Size in Square Feet APPROX 2000 SF IMPACTED
3. Linear Feet of Watercourse and/or Adjacent to site APPROX 100 LF IMPACTED
4. Describe Wetlands and/or Watercourses conditions that make Permit necessary. (Attach description)
5. Attach an 8 1/2 x 11 inch photocopy of the appropriate portion of the USGS quadrangle map with the bounds of the property outlined or pinpointed with an arrow adequate to locate site on map.

E. PROPOSED ACTION:

1. Activity to be Undertaken:

- | | |
|--------------------------------------------------------------------|--------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> Filling | <input type="checkbox"/> Culverting |
| <input checked="" type="checkbox"/> Excavation | <input type="checkbox"/> Underground utilities (no other activity) |
| <input type="checkbox"/> Land clearing/grubbing (only) | <input type="checkbox"/> Roadway construction |
| <input type="checkbox"/> Stream stabilization | <input type="checkbox"/> Drainage improvements, pond dredging/dam construction |
| <input type="checkbox"/> Stream clearance (removal of debris only) | <input checked="" type="checkbox"/> Other (Explain and attach) |

2. How much soil will be removed by type of soil? (NCCS Classifications)? (Attach)
3. How much soil will be added by type? (NCCS Classifications)? (Attach)
4. Provide chemical analysis of fill materials by cubic yard. (Attach)
5. Describe specific activities by soil type by cubic yard. (Attach)
6. Describe all proposed paving and activities by location. (Attach)
7. Describe all proposed buildings both permanent and temporary and give dimensions. (Attach)

F. TIME PERIOD:

1. Is this permit needed for 2, 3, 4 or 5 years? 1 Years
2. Will applicant request renewal of permit? NO Yes

G. Provide names and mailing addresses of all property owners within 150 feet of site including those opposite all public rights-of-way for map amendments and all abutting property owners for permit applications. SEE ATTACHED

H. ALTERNATIVES:

1. Explain each alternative site considered for proposed activity and explain why it was rejected. (Attach location map for each site).
2. Explain each alternative considered for changing the wetlands and watercourses and explain why it was rejected. (Attach site plans and maps).

I. Required supplementary materials which must be attached to each copy of the application prior to its official receipt.

Please reference each item by its identification on this application form.

1. Site plan showing existing conditions with contours at two (2) foot intervals, in relation to wetlands and watercourses, existing drainage ways, stormwater runoff systems and how they relate to the existing sewer system (including MDC).
2. Site plans for the proposed use or operation and the property which will be affected with two (2) foot contours, which show proposed conditions, wetlands and watercourses boundaries, boundaries of land ownership, proposed alterations and uses of wetlands and watercourses, and other pertinent features of the development drawn by a professional surveyor, engineer or landscape architect licensed and registered by the State of Connecticut or by other such qualified person.
3. Appropriate engineering reports and analyses and additional drawings to fully describe the proposed project and any filling, excavation, drainage or hydraulic modification to wetlands or watercourses.
4. A map of soil types consistent with the categories established by the National Cooperative Soil Survey (NCCS) of the U.S. Soil Conservation Service delineated in the field by a soil scientist. This soil information is to be incorporated into both side plans.
5. Descriptions of the ecological communities and functions of the wetlands and watercourses involved and the effects of the proposed regulated activities on these communities and wetland functions, and descriptions of how the proposed activities will change, diminish, or enhance the ecological communities and functions of the wetlands or watercourses involved in the application, and with each alternative, a description of why each alternative considered was deemed neither feasible nor prudent.
6. Descriptions of the mitigation actions proposed, including, but not limited to plans or actions which prevent destruction or diminution of wetland or watercourse functions, recreational uses and natural habitats; which prevent flooding, degradation of water quality, erosion and sedimentation and obstruction of drainage; or which otherwise safeguard water resources.
7. DEEP Wetlands and Watercourses Activity Form:
http://www.ct.gov/deep/lib/deep/water_inland/wetlands/siwwarf.pdf

J. I hereby consent to the submission of the attached application for property identified above and for the use described herein.

Annette Sanderson

Signature of Property Owner

Annette Sanderson

Print Name of Property Owner

3-12-2021

Date

K. The applicant hereby certifies that he is familiar with all the information provided in the application and is aware of the penalties for obtaining a permit through deception and through inaccurate or misleading information.

J Webb

Signature of Applicant/Agent

JESSICA WEBB

Print Name of Applicant/Agent

3/12/21

Date

L. The applicant hereby consents to necessary and proper access to the above-mentioned property by the agents of the Agency, at reasonable times, both before and after any permit in question has been granted or denied by the Agency for the purpose of evaluating the application, monitoring implementation or curtailing or correcting any violation of the Inland Wetlands and Watercourses Regulations brought about through the actions or inactions of the applicant or permittee.

J Webb

Signature of Applicant/Agent

JESSICA WEBB

Print Name of Applicant/Agent

3/12/21

Date

M. Additionally the applicant shall certify and attach such certification as to whether:

1. Any portion of the property on which the regulated activity is proposed is located within 500 feet of the boundary of an adjoining municipality.
2. Traffic attributable to the completed project on the site will use streets within an adjoining municipality to enter or exit a site.
3. Sewer or water drainage from the project site will flow through and impact the sewage and drainage system within an adjoining municipality.

4. Water run-off from the improved site will impact streets or other municipal or private property with an adjoining municipality.

N. Application fee accepted.

Date

Signature of Agent of Agency

D. PROJECT INFORMATION

4. On Friday, February 19, 2021, an inadvertent spill from an earthen slurry containment pit caused a discharge of material onto the adjacent property of 180 John D. Wardlay Way. The origination of the spill was from 611 Brookfield St., Hartford where construction activities related to the MDC South Hartford Conveyance and Storage Tunnel were being performed. The slurry is a mixture of water and natural soils generated from the microtunneling operation for the forementioned project.

The purpose of this permit application is to remediate the material deposited onto the property.

A Notice of Violation was issued on March 2, 2021. A copy of the notice is included along with other pertinent information regarding this event.

E. PROPOSED ACTION:

1. Other – Remediation activities related to inadvertent deposit of material onto property.
2. It is not our intention to remove any of the native soil at this time. We have contracted with SLR Corporation to prepare a remediation recommendation. Their recommendation may include removing some or all of the slurry material deposited onto the property.
3. It is not our intention to add any soils at this time. We have contracted with SLR Corporation to prepare a remediation recommendation.
4. No fill materials are anticipated to be required.
5. We are anticipating that some of the slurry material inadvertently deposited onto the property may need to be removed.
6. No paving activities.
7. No proposed buildings.

G. ADJACENT PROPERTY OWNER INFORMATION

100 WILLIAM SHORTY CAMPBELL ST
U S DEPT OF LABOR/ OFAM/ETA/OGCM
200 CONSTITUTION AV NW RM S-4203
DC, 20210-0001

611 BROOKFIELD ST
THE METROPOLITAN DISTRICT
555 MAIN ST
HARTFORD, CT 06103-2915

168 DART ST
DART GARDENS MUTUAL HOUSING ASSOC INC
95 NILES ST
HARTFORD, CT 06105

101 CLERMONT ST
STATE OF CONNECTICUT OFFICE OF POLICY & MANAGEMENT
450 CAPITOL AV MS 55FIN
HARTFORD, CT 06106-1365

H. ALTERNATIVES

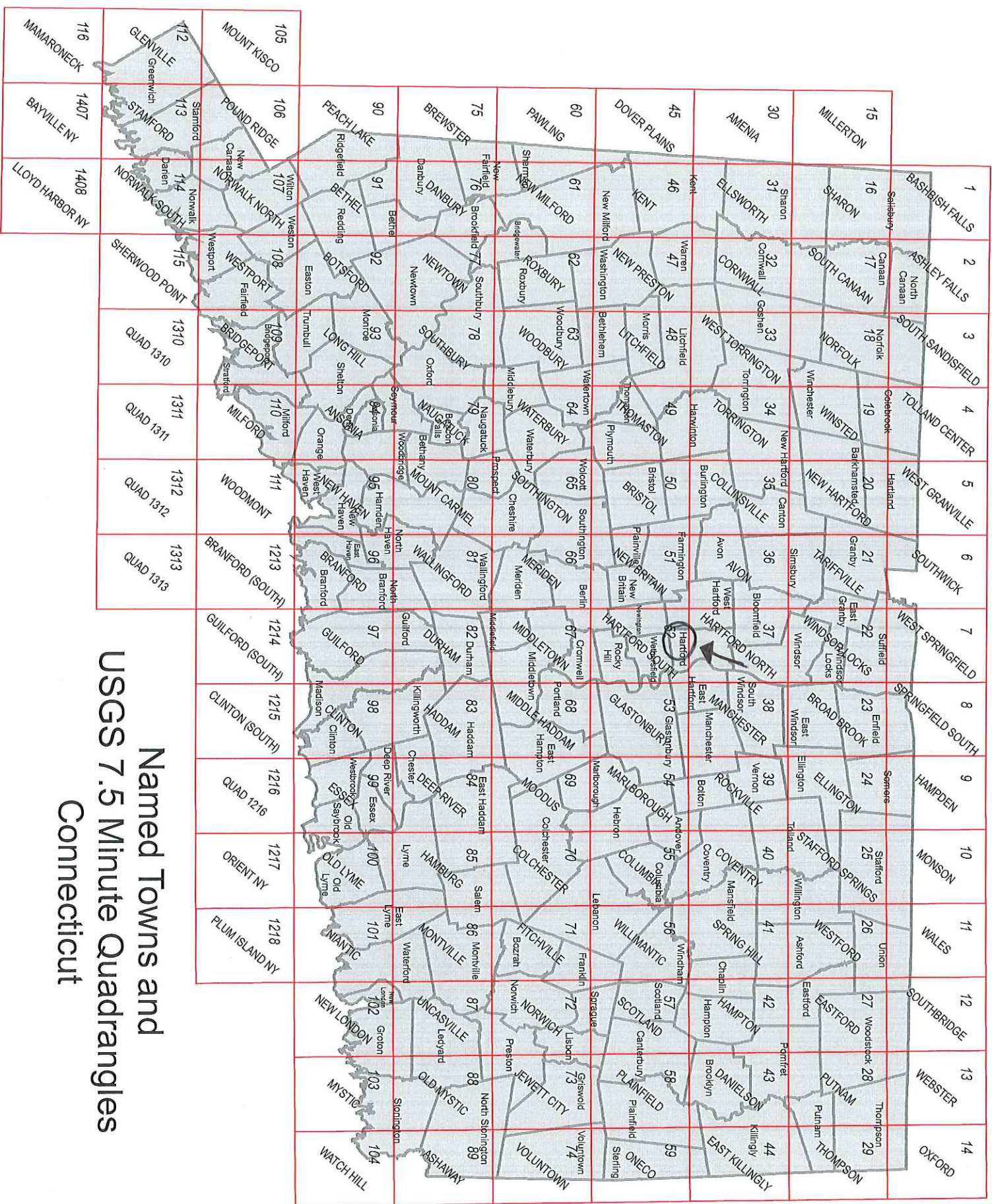
1. N/A
2. N/A

I. SUPPLEMENTARY MATERIALS

1. Attached
2. – 6. Proposed remediation measures are currently being evaluated and prepared by SLR International Corporation out of Cheshire, CT.
7. Attached

M. CERTIFICATION

1. The property is located more than 500 feet away from an adjoining municipality.
2. Traffic attributable to the completed project will use Brookfield St. in Hartford to access the project if access is required.
3. Sewer and water drainage from the project site will not flow through the sewer and drainage of an adjoining municipality.
4. Water run-off from the site will not impact any streets or other municipal or private property with an adjoining municipality.



Named Towns and USGS 7.5 Minute Quadrangles Connecticut

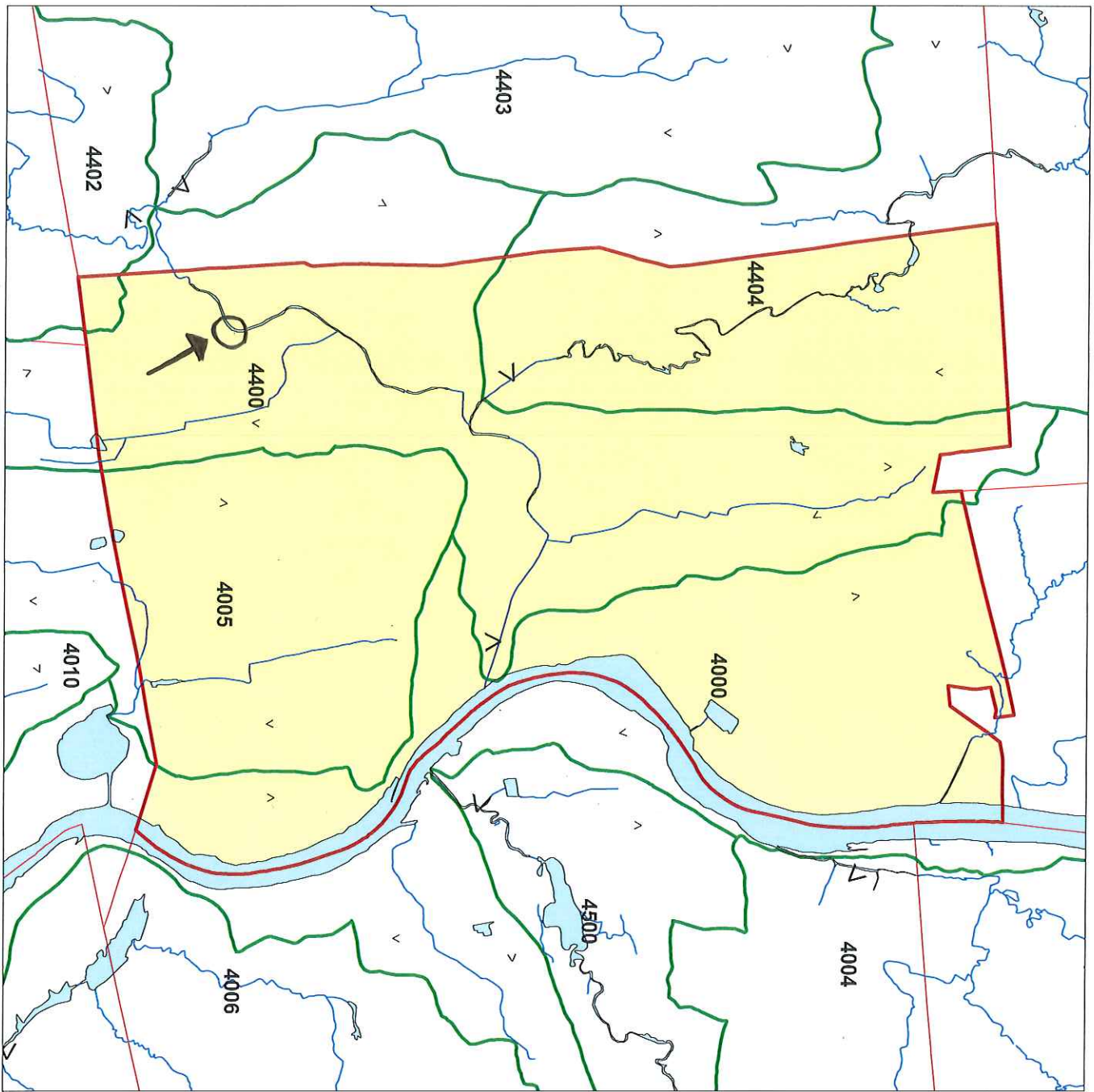
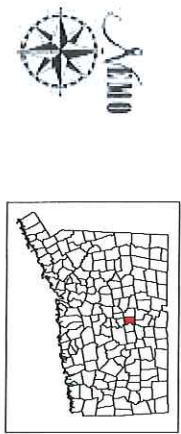
HARTFORD CONNECTICUT SUBREGIONAL BASINS AND SURFACE WATER FLOW DIRECTIONS

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	nd	Acres	Intw	Perco	fb	Perco	fb	town
4000		3149.84		3.1		27.3		
4005		2359.30		60.1		20.4		
4400		3896.25		69.2		33.7		
4402		52.97		0.7		0.5		
4404		2096.64		11.4		18.1		



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

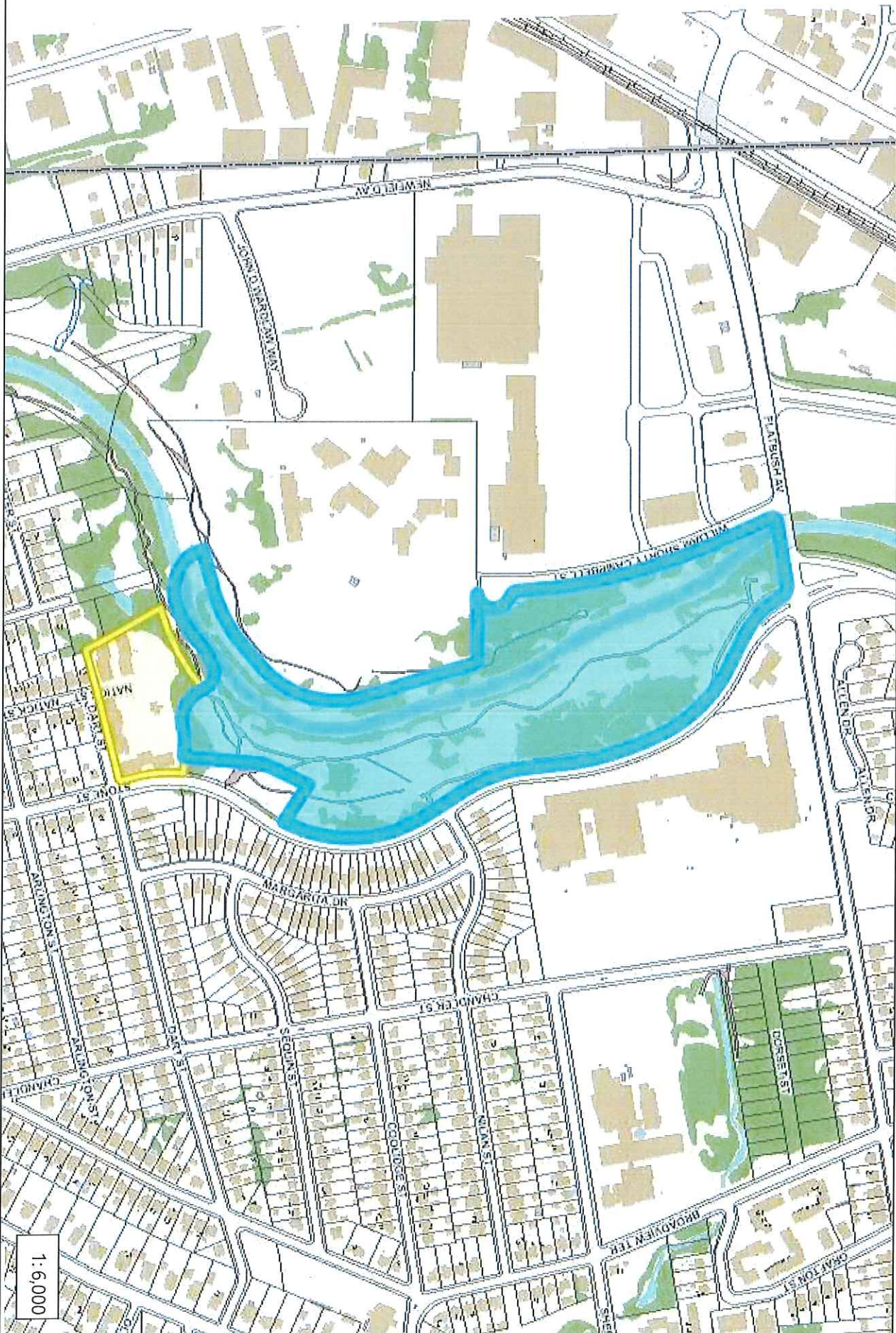
Town Area: 11555 Acres

1 Miles

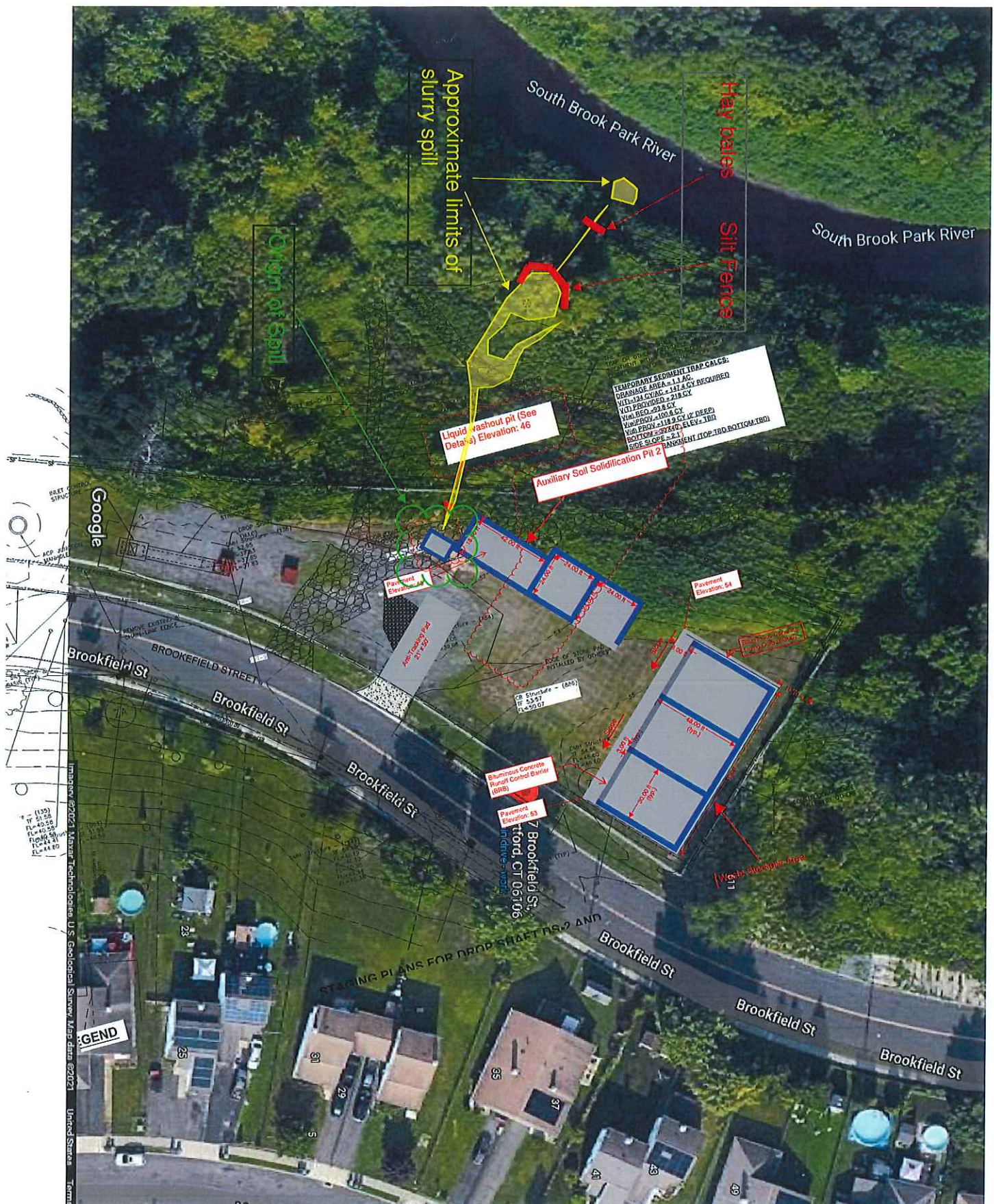
The University of Connecticut, CES, November 01, 1999



City of Hartford - Property Map



1:6,000

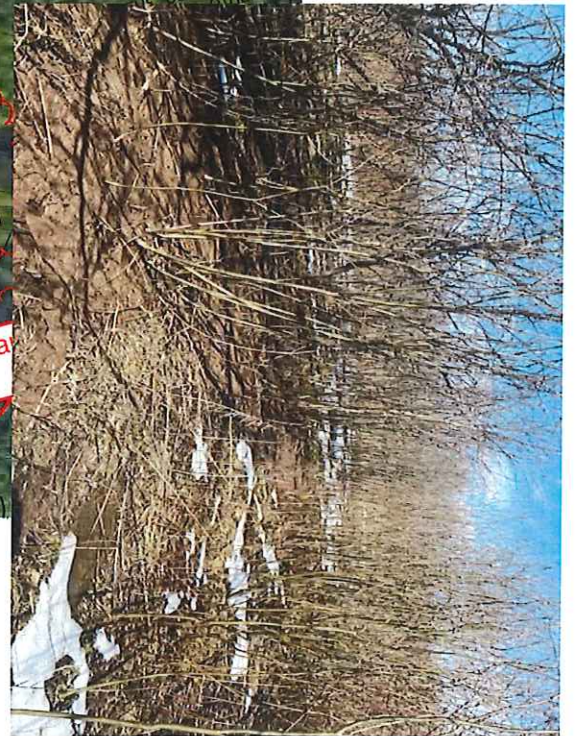
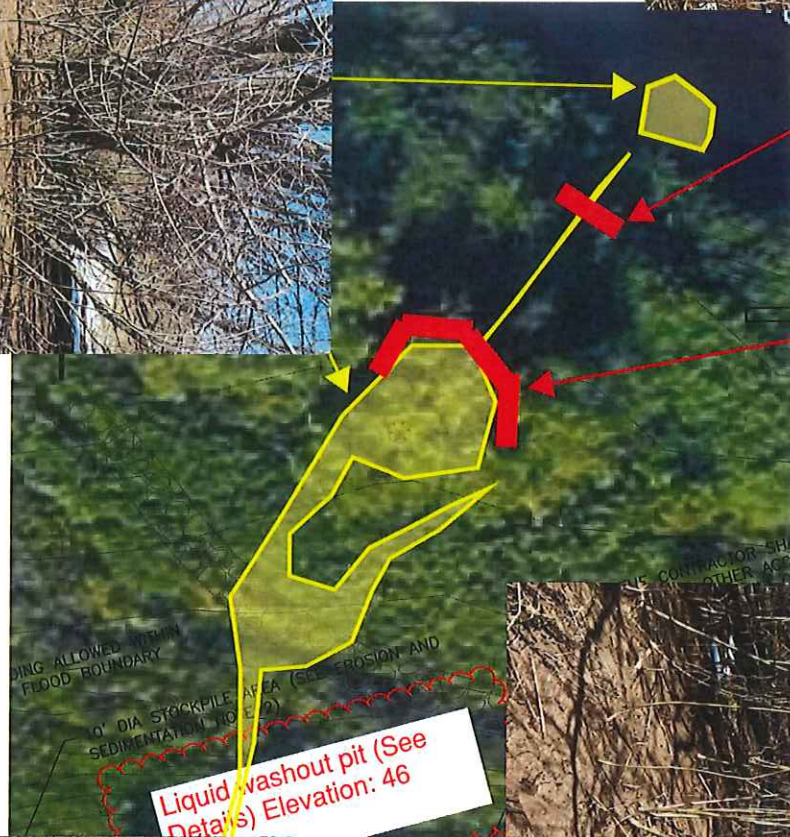


DOUBLE ROW OF HAY BALES IN SWALE



SILT FENCE ABOVE SWALE







DEPARTMENT OF DEVELOPMENT SERVICES – PLANNING DIVISION
REPORT: Summary of Wetlands Violation, MDC SHCST, 611 Brookfield St.
for consideration March 9, 2021

STAFF REPORT

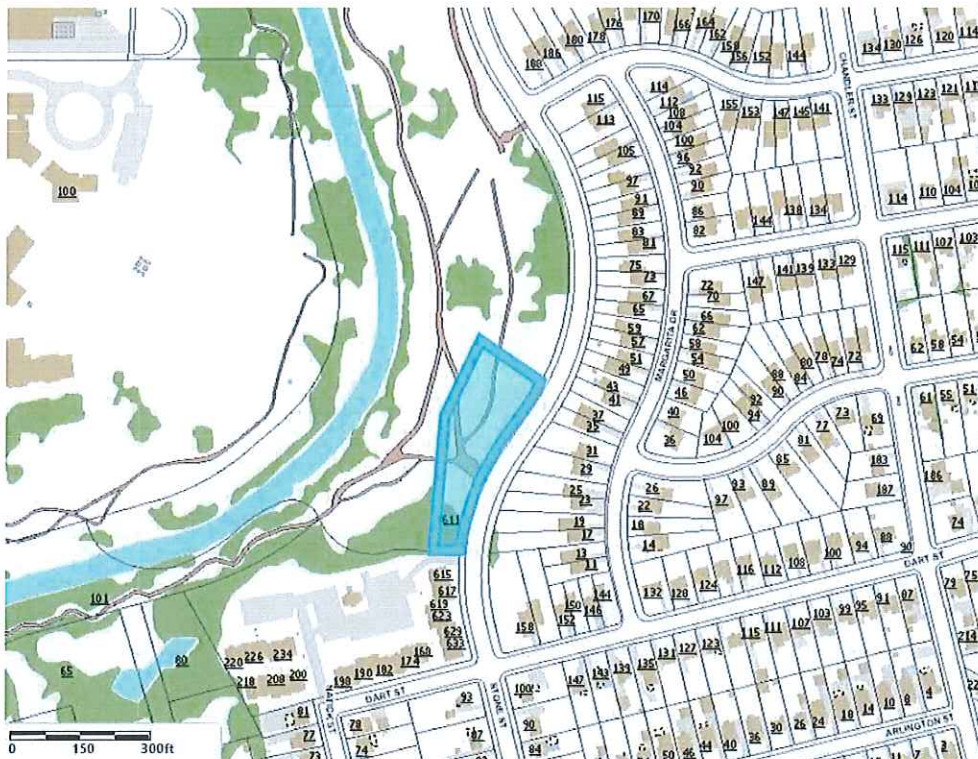
TO: Inland Wetlands & Watercourses Commission
PREPARED BY: Elizabeth Sanderson, Municipal Inland Wetlands Agent
Elizabeth.sanderson@hartford.gov, 860-936-4489

SUBJECT: Communication/Discussion Related to Wetlands Violation at The Metropolitan District Commission (MDC) South Hartford Conveyance and Storage Tunnel (SHCST), Site DS-2
Accela Code Case #: 9636459

PROPERTIES IMPACTED:

- 1) 611 Brookfield St., Parcel ID 140-588-004,
Owner: The Metropolitan District Commission
- 2) 180 John D. Wardlaw Way, Parcel ID 140-588-003,
Owner: City of Hartford Housing Authority

ZONE: OS Open Space District



City of Hartford GIS Map, depicting 611 Brookfield St.

BACKGROUND INFORMATION

Activities related to the construction of The MDC's South Hartford Conveyance and Storage Tunnel (SHCST) Site DS-2 at 611 Brookfield St. have resulted in depositing material into an adjacent wetlands, watercourse, and upland review area without approvals or permits. A Notice of Violation dated March 2, 2021 was issued to the property owner's representative via e-mail, certified mail, and regular mail (see Attachment #1).

At its regular meeting on June 12, 2018 the Planning & Zoning Commission, acting in its authority as the Inland Wetlands Agency, approved an Inland Wetlands Permit for new construction of a Utility Use at 611 Brookfield St., subject to conditions (see Attachment #2). At the same meeting the Commission approved a Special Permit for the project, also subject to conditions (see Attachment #3). Previously issued permits do not include filling within the wetlands, watercourse, and upland review area, which recently occurred.



Figure 1. Photograph from AECOM depicting slurry waste that leaked from 611 Brookfield St. onto the adjacent property owned by the City of Hartford Housing Authority, which contains the South Branch of the Park River and associated wetlands and upland review area.

LEGAL STANDARD

Relevant Sections of the Inland Wetlands & Watercourses Regulations, Last Amended February 28, 2017:

Sec. 2. Definitions

Sec. 2.1...“Regulated activity” means any operation within or use of a wetland or watercourse involving removal or deposition of material, or any obstruction, construction, alteration or pollution, of such wetlands or watercourses... Furthermore, any clearing, grubbing, filling, grading, paving, excavating, constructing, depositing or removing of material and discharging of storm water on the land within 100 feet measured horizontally from the boundary of any wetland or watercourse is a regulated activity...

Sec. 4. Permitted Uses As of Right and Nonregulated Uses

Sec. 4.3. All activities in wetlands or watercourses involving filling, excavating, dredging, clear cutting, clearing, or grading or any other alteration or use of a wetland or watercourse not specifically permitted by this section and otherwise defined as a regulated activity by these regulations shall require a permit from the Agency in accordance with section 6 of these regulations, or for certain regulated activities located outside of wetlands and watercourses from the duly authorized agent in accordance with section 12 of these regulations.

Sec. 14. Enforcement

Sec. 14.4. If the Agency or its duly authorized agent finds that any person is conducting or maintaining any activity, facility or condition which is in violation of the Act or these regulations, the Agency or its duly authorized agent may:

...

(b) Issue a notice of violation to such person conducting such activity or maintaining such facility or condition, stating the nature of the violation, the jurisdiction of the Agency, and prescribing the necessary action and steps to correct the violation including, without limitation, halting work in wetlands or watercourses. The Agency may request that the individual appear at the next regularly scheduled meeting of the Agency to discuss the unauthorized activity, and/or provide a written reply to the notice or file an application for the necessary permit. Failure to carry out the action(s) directed in a notice of violation may result in issuance of the order provided in section 14.3(a) or other enforcement proceedings as provided by law.

TIMELINE AND SUMMARY

- Notice of the incident was reported to the Inland Wetland Agent on February 23, 2021 (see Attachment #4), including photographs date-stamped February 19, 2021 (see Attachment #5).
- A site inspection of 611 Brookfield St. was conducted on Friday, February 26, 2021 with Jon Melone, Resident Representative of AECOM, the Construction Manager on behalf of The MDC; Jim Tanner, City of Hartford Zoning Enforcement Officer; and Elizabeth Sanderson, City of Hartford Inland Wetland Agent.
 - The area where the leak originated was contained, and no material was seen leaving the site.
 - Some repairs had been made to the silt fence, and a few hay bales were installed near the point of breach. Additional erosion controls are needed to better secure the site.
- Jon Melone of AECOM prepared a summary of the site inspection (included in Attachment #4) and provided a map of the property (see Attachment #6) via e-mail on February 26, 2021.
- On February 26, 2021, an e-mail was sent to Jon Melone, AECOM, and Jessica Webb of Empire Paving, the contractor, with a description of corrective actions needed to stabilize the site, including:
 - Maintain/repair/replace existing silt fence as soon as possible.
 - Install additional erosion controls along the western property line.

- Maintain the anti-tracking pad at the construction entrance to prevent erosion into the city street.
- Prepare a remediation plan in coordination with the adjacent property owner (City of Hartford Housing Authority).
- On March 2, 2021 representatives from AECOM called a meeting to address questions related to the 2/26 site inspection.
- The Notice of Violation, dated March 2, 2021 cited the following corrective actions:
 - Cease disposition of material outside of limits of construction and slurry containment structures;
 - Where damaged, remove silt fence and replace with new;
 - Remove accumulated soil from silt fence, and dispose of properly;
 - Install additional erosion control measures along the western property line to consist of haybales, second row of siltation fence. Provide an Erosion Control Plan certified by a Professional Engineer;
 - Provide an analysis of the impacts from the spill on the wetlands/watercourse, prepared by a Wetlands/Soils Scientist;
 - Provide certification from a Structural Engineer that the containment structures are structurally sound to contain the slurry wastewater for the duration of the project (project estimated completion date is September 2021);
 - Submit a Remediation Plan to address deposition of material within wetlands/watercourse/upland review areas, prepared in cooperation with the adjacent property owner (Hartford Housing Authority).
- Counsel from the City of Hartford Housing Authority forwarded a draft License Agreement, which would allow Empire Paving access to the property for the purpose of cleaning up spilled waste.
- On March 3, 2021 Jessica Webb, Empire Paving, indicated that additional measures will be taken at 611 Brookfield St. to prevent future spills, and additional erosion controls will be installed to better secure the site.



Figure 2.



Figure 3.

Figures 2 & 3. Photographs of slurry containment pits at 611 Brookfield St. Per contractor, Empire Paving, an earthen containment area was established adjacent to the concrete pit, which ultimately failed and caused slurry waste to migrate off-site onto adjacent land containing wetlands, watercourse, and upland review area.

RECOMMENDATIONS AND NEXT STEPS

- A representative from Empire Paving indicated that additional erosion controls would be installed on Friday, March 5th.
- Staff recommends that the disturbed areas be analyzed by a Wetlands Scientist/Soils Scientist to ensure proposed remediation is planned and completed in accordance with best practices to protect the wetlands/watercourse.
- Staff will work with the Applicant to obtain the remediation plan and determine next steps in the permit process, which will likely require Commission review and approval due to impacts within wetlands/watercourses.
- The Commission should note that depending on the severity of impacts to the wetlands and watercourse, additional emergency stabilization measures may need to be installed to protect the resources in advance of Commission review/issuance of the permit.

ATTACHMENTS

1. Notice of Violation for Wetlands Violation, dated March 2, 2021.
2. Inland Wetlands Permit Approval Letter (dated June 13, 2018).
3. Special Permit Approval Letter (dated June 13, 2018).
4. E-mail Correspondence (dated February 19, 2021 through February 26, 2021).
5. Photographs from AECOM (date-stamped 2/19/2021)
6. Map of 611 Brookfield St. (from AECOM)

REVIEWED AND EDITED BY,

 Digitally signed by Aimee Chambers
DN: cn=Aimee Chambers, o=City of
Hartford, ou=Director of Planning,
email=aimee.chambers@hartford.gov,
c=US
Date: 2021.03.03 17:13:26 -05'00'

Aimee Chambers, Director



LUKE BRONIN
MAYOR

CITY OF HARTFORD

DEPARTMENT OF DEVELOPMENT SERVICES
Planning Division
250 Constitution Plaza, 4th Floor
Hartford, Connecticut 06103



I. CHARLES MATHEWS
DIRECTOR

AIMEE CHAMBERS
PLANNING DIRECTOR

NOTICE OF VIOLATION
SENT BY REGULAR MAIL AND CERTIFIED MAIL

March 2, 2021

Mr. Christopher R. Stone, District Counsel
The Metropolitan District Commission
555 Main St.
Hartford, CT 06103

[Service by Certified Mail: 7012 1010 0002 8400 1586 and
E-mail to CStone@themdc.com]

Re: 611 Brookfield St.
Hartford, CT zip
Parcel 140-588-004
Zone: OS
Case Code Number: Accela #9636459

Mr. Stone:

It has come to attention that slurry waste from construction activities at Site DS-2 located at 611 Brookfield Street, associated with construction of the South Hartford Conveyance and Storage Tunnel project, have migrated from the approved site onto an adjacent property and into a delineated wetland/watercourse area. An inspection conducted on Friday, February 26, 2021 with Jon Melone, Resident Representative from AECOM, the Construction Manager for the project, revealed that a failure of the slurry wastewater containment pit caused waste material to migrate from the site. As such, material has been deposited into the adjacent wetlands and upland review area without proper permits and approvals in place.

The above referenced property is in violation of the Hartford Inland Wetlands and Watercourses Regulations.

Accordingly, you are found to be in violation pursuant to the following Section(s):

Sec. 4.3 for conducting a Regulated Activity (deposition of material) within a wetland/watercourse and the associated upland review area without first obtaining necessary approvals in accordance with Section 6: Regulated Activities to be Licensed and Section 7: Application Requirements.

In order to bring your property into compliance, the following actions are required:

- Cease disposition of material outside of limits of construction and slurry containment structures;
- Where damaged, remove silt fence and replace with new;
- Remove accumulated soil from silt fence, and dispose of properly;
- Install additional erosion control measures along the western property line to consist of haybales, second row of siltation fence. Provide an Erosion Control Plan certified by a Professional Engineer;
- Provide an analysis of the impacts from the spill on the wetlands/watercourse, prepared by a Wetlands/Soils Scientist;
- Provide certification from a Structural Engineer that the containment structures are structurally sound to contain the slurry wastewater for the duration of the project (which my understanding is estimated to complete September 2021);
- Submit a Remediation Plan to address deposition of material within wetlands/watercourse/upland review areas, prepared in cooperation with the adjacent property owner (Hartford Housing Authority).

This violation will be brought to the attention of the Inland Wetlands and Watercourses Commission at their next regularly scheduled meeting on Tuesday, March 9, 2021, in accordance with Section 14.4(b).

You may access the Inland Wetlands and Watercourses Regulations by visiting the following website; regulations are in the "Land Use and Zoning" section: [Planning & Zoning – City of Hartford \(hartfordct.gov\)](http://hartfordct.gov/planning-zoning). Please contact me to discuss your intentions to bring the property into compliance. I can be reached at 860-936-4489.

Respectfully,

Elizabeth Sanderson

Elizabeth Sanderson
Municipal Inland Wetlands Agent
City of Hartford

CC: File; Via E-Mail to: Andrew Perham, The MDC (APerham@themdc.com); Gene Zwicharowski, Empire Paving (GeneZ@empirepaving.com); Jessica Webb, Empire Paving (JessicaW@empirepaving.com); Tom Loto, AECOM (Tom.Loto@AECOM.com); and Jon Melone, AECOM (Jon.Melone@AECOM.com); Elisa Hobbs, Hartford Housing Authority (EHobbs@hartfordhousing.org); Frank Dellaripa, City Engineer (Frank.Dellaripa@hartford.gov)



LUKE BRONIN
MAYOR

CITY OF HARTFORD

DEPARTMENT OF DEVELOPMENT SERVICES
250 Constitution Plaza, 4th floor
Hartford, Connecticut 06103-1822

Telephone: (860) 757- 9040
Fax: (860) 722-6402
www.hartford.gov



KILEY A. GOSSELIN
INTERIM DIRECTOR

JAMIE BRATT
DEPUTY DIRECTOR

June 13, 2018

Mr. Sankar Ganesh
The Metropolitan District Commission
555 Main Street
P.O. Box 500
Hartford, CT 06142-0800

RE: 611 Brookfield Street

Dear Mr. Ganesh:

At its regular meeting of June 12, 2018, the Planning and Zoning Commission met to consider an Inland Wetland and Watercourse Application for the construction of a drop shaft and odor control facility. In this regard, the Commission voted to approve the following resolution:

APPROVAL OF AN INLAND WETLANDS PERMIT FOR NEW CONSTRUCTION OF A UTILITY USE AT 611 BROOKFIELD STREET

- WHEREAS,** The Planning and Zoning Commission has reviewed an inland wetlands and watercourses application to construct a drop shaft and odor control facility located at 611 Brookfield Street; and
- WHEREAS,** Whereas a portion of the facility is located within the 100 foot upland review area thus disturbing 0.71 acres within said review area; and
- WHEREAS,** The Applicant is undertaking a Clean Water Project to address two Consent Decrees from the CT DEEP and Federal Government; and
- WHEREAS,** The Applicant is utilizing a South Tunnel to collect and store stormwater as a means to meet the goals and objectives of the Clean Water Project; and
- WHEREAS,** The Applicant has already installed a substantial portion of the drop shaft and vent shaft at 611 Brookfield Street and South Tunnel; and
- WHEREAS,** The drop shaft and odor control facility located at 611 Brookfield Street is one of five to be installed in the City of Hartford and said facilities are required in order to collect and control how stormwater enters the South Tunnel; and
- WHEREAS,** The planning and Zoning Commission hereby approves this inland wetland and watercourse application for the construction of the drop shaft and odor control facility at 611 Brookfield Street with the following conditions:

1. Applicant shall plant a native seed mix in areas that do not require mowing; and
2. Applicant shall work with staff to rearrange or install a variety of native shrubs outside of the fenced area; and
3. Applicant shall plant street trees along the entire length of the frontage, meeting the requirements of 6.7 (7) Street Trees; and
4. Prior to building permit, the contractor shall provide a plan depicting the size and location of all temporary sedimentation traps in locations that appropriately collect runoff from the site during construction. Said plan shall be signed and sealed by a CT Licensed Professional Engineer; and

NOW THEREFORE BE IT RESOLVED, This twelfth day of June, 2018

With this approval, you may proceed with application for zoning approvals or building permits, as necessary, for the project. Please bring a copy of this approval letter when you apply for any permits.

Sincerely,

A handwritten signature in black ink, appearing to read "Caitlin Palmer", with a stylized flourish at the end.

Caitlin Palmer
Principal Planner

CC: File



LUKE BRONIN
MAYOR

CITY OF HARTFORD

DEPARTMENT OF DEVELOPMENT SERVICES

250 Constitution Plaza, 4th floor
Hartford, Connecticut 06103-1822

Telephone: (860) 757- 9040

Fax: (860) 722-6402

www.hartford.gov



ERIK JOHNSON
DIRECTOR

JAMIE BRATT
PLANNING & ECONOMIC
DEVELOPMENT DIVISION
DIRECTOR

October 1, 2018

Attn: Susan Negrelli
555 Main Street
P.O. Box 500
Hartford, CT 06142-0800

RE: 611 Brookfield Street

Dear Ms. Negrelli:

At its regular meeting of June 12, 2018 the Planning and Zoning Commission met to consider a Special Permit Application for the establishment of an odor control facility in the OS (Open Space zoning district. In this regard, the Commission voted to approve your application with following resolution:

**CITY OF HARTFORD PLANNING AND ZONING COMMISSION
RESOLUTION FOR
APPROVAL OF A SPECIAL PERMIT FOR NEW CONSTRUCTION OF A UTILITY USE AT 611
BROOKFIELD STREET**

WHEREAS, The Planning and Zoning Commission has reviewed a special permit application to construct a drop shaft and odor control facility located at 611 Brookfield Street; and

WHEREAS, The proposed use is a permitted use in the OS District and meets the criteria of the special permit review and requirements of the Utility Use; and

WHEREAS, The Applicant is undertaking a Clean Water Project to address two Consent Decrees from the CT DEEP and Federal Government; and

WHEREAS, The Applicant is utilizing a South Tunnel to collect and store stormwater as a means to meet the goals and objectives of the Clean Water Project; and

WHEREAS, The Applicant has already installed a substantial portion of the drop shaft and vent shaft at 611 Brookfield Street and South Tunnel; and

WHEREAS, The drop shaft and odor control facility located at 611 Brookfield Street is one of five to be installed in the City of Hartford and said facilities are required in order to collect and control how stormwater enters the South Tunnel; and

WHEREAS, The Planning and Zoning Commission hereby approves this special permit for the construction of the drop shaft and odor control facility at 611 Brookfield Street with the following conditions:

1. Applicant shall plant a native seed mix in areas that do not require mowing; and
2. Applicant shall plant street trees along the entire length of the frontage, meeting the requirements of 6.7 (7) Street Trees; and
3. All plant materials shall be approved by the City Forester; and
4. A public access pathway shall be provided from Brookfield Street to the Park River and the Applicant shall use best efforts to work with the city to facilitate a Park River trail, if one should be proposed in the future.
5. Prior to building permit, the contractor shall provide an erosion and sedimentation control plan, and the City Engineer shall approve it, depicting actual size and location of all temporary sedimentation traps in locations that appropriately collect runoff from the site during construction as based upon the provided calculation. Said plan shall be signed and sealed by a CT Licensed Professional Engineer; and
6. Applicant shall provide additional annotations to the Erosion Control Notes and outline the required inspections of erosion control measure, when they shall occur. Inspection reports shall be maintained on site and available for inspection by the zoning administrator or city Engineer upon request; and
7. Applicant has represented that it will test the odors annually and publish those reports publically. If not, applicant will provide information to the Zoning Administrator upon request; and
8. Applicant shall provide additional annotations to the Erosion Control Notes outline the required inspections of erosion control measures, when they shall occur. Inspection reports shall be maintained on site and available for inspection by the zoning administrator or city engineer upon request
9. The Applicant shall provide written notice to the zoning administrator and all property owners within a 200 foot radius, measured from all property lines, notifying recipients of the approximate date the facility will come into operation and provide the necessary contact information to report any noxious odors or emergencies. Said notice shall be mailed and Applicant shall provide an Affidavit of Mailing fifteen days prior to anticipated operation commencement; and
10. The Applicant will repair, replace and maintain such facilities at its own expense. Applicant will also operate such facilities so as to control odorous gaseous emissions and off-site nuisance odors and in compliance with all federal, state and local laws, including any regulatory agencies; and
11. In the event that the Applicant fails to comply with the conditions of this approval, the City of Hartford may, but is not obligated to offer a 30-day notice by City to Applicant with an opportunity to cure such actions as may be necessary to secure compliance with the conditions of this approval, including repair, maintain or replace any part or all of the facilities. In such event, the Applicant shall reimburse the City of Hartford for all costs and expenses incurred in connection with such actions within 30 days of demand for such reimbursement; and

12. Applicant shall maintain permanent signage to be approved by the zoning administrator on the facilities as proposed, visible from the public way, with contact information for anyone to report any noxious odors or emergencies related to the facilities.

NOW THEREFORE BE IT RESOLVED, This twelfth day of June, 2018

With this approval, you may proceed with application for zoning approvals or building permits, as necessary, for the project. Please bring a copy of this approval letter when you apply for any permits.

Sincerely,

A handwritten signature in black ink, appearing to read "Caitlin Palmer". The signature is fluid and cursive, with the first name "Caitlin" and last name "Palmer" clearly distinguishable.

Caitlin Palmer
Principal Planner

CP/VLW/vlw

CC: File

Sanderson, Elizabeth

From: Sanderson, Elizabeth
Sent: Friday, February 26, 2021 4:44 PM
To: Melone, Jon; 'Jessica Webb'
Cc: Loto, Tom; Perham, Andrew (APerham@themdc.com); Jim Tanner (James.Tanner@hartford.gov); Aimee Chambers (Aimee.Chambers@hartford.gov)
Subject: RE: apparent leakage of slurry water waste at 611 Brookfield St.

Jon,
Thanks for meeting onsite today, and for providing the drawing and the summary. Based on visual inspection, it appears that the existing siltation fence needs to be better maintained/repaired/replaced as soon as possible. Also, additional erosion controls are needed along the western property line to protect against potential future migration of materials from the site. Jim also noted that the anti-tracking pad at the construction entrance requires some attention too in order to prevent erosion into City street.

Please begin preparing a remediation plan in coordination with the adjacent property owner (Hartford Housing Authority, per GIS Map) to address the seepage. Once you submit a plan, then we can review and determine the necessary permit process.

Thank you,

Elizabeth Sanderson, AICP RLA CZEO
Project Leader
City of Hartford Department of Development Services Economic Development Division
Desk: 860-757-9238
Cell: 860-936-4489 (preferred)

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From: Melone, Jon <Jon.Melone@aecom.com>
Sent: Friday, February 26, 2021 3:27 PM
To: 'Jessica Webb' <JessicaW@empirepaving.com>; Sanderson, Elizabeth <Elizabeth.Sanderson@hartford.gov>
Cc: Loto, Tom <tom.loto@aecom.com>; Perham, Andrew (APerham@themdc.com) <APerham@themdc.com>
Subject: RE: apparent leakage of slurry water waste at 611 Brookfield St.

Attached is the plan for the soil staging area & the Soil Solidification Pits (SSPs) used for processing the microtunneling slurry spoils [for thickening and transferring to the Waste Stockpile Area (WSA)] in the project Drop Shaft-2 (DS-2) work area. The plan you had shown me this morning is the same Drop Shaft 2 (DS-2) area, but indicated the restoration work details; this plan shows the how the current site working area is set-up for dealing with soils & slurry spoils in the project work.

Quick summary of items that were discussed this morning between you, Jim Tanner (CofH) and myself at the site:

- Extend the current haybale barrier inside the current/older silt fence, to extend further to the east along the north fence line behind the Soil Solidification Pit, with your suggested comment of an additional silt fence (as primary sediment barrier) just inside this haybale barrier serving secondary buffer wall.
- Silt fence repairs in the north corner fence line to the north of the WSA bins.

- Soil recently piled in WSA Bin #3 appears to have spilled over the top of the bin wall onto the ground behind (still within silt fence and property) but which will need to be collected; more care needed in managing soils to prevent further spill over.
- Contractor clean-up of slurry runoff sediment beyond the MDC property line into the adjacent wetland area; please note the contractor will need to obtain the necessary permitting to complete the this cleanup work
- Please coordinate the work in the wetlands area property owner (City of Hartford Housing Authority).

Let me know if there is any other questions.

Jonathan P. Melone

Senior Resident Representative/ Scientist

AECOM

500 Enterprise Drive, Suite 1A

Rocky Hill, CT 06067

main office: 860.263.5800 fax: 860.263.5777

direct: 860.263.5754

cell: 860.234-3967

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From: Jessica Webb <JessicaW@empirepaving.com>

Sent: Thursday, February 25, 2021 12:40 PM

To: Sanderson, Elizabeth <Elizabeth.Sanderson@hartford.gov>

Cc: Melone, Jon <Jon.Melone@aecom.com>

Subject: [EXTERNAL] Re: apparent leakage of slurry water waste at 611 Brookfield St.

There is no bentonite in that slurry. This material is generated from the face of the microtunneling machine; bentonite is introduced through ports in the pipes that are behind the machine. Again, no bentonite.

Sent from my iPhone

On Feb 25, 2021, at 12:18 PM, Sanderson, Elizabeth <Elizabeth.Sanderson@hartford.gov> wrote:

Good Afternoon Jessica,

Jon mentioned there is another additive – bentonite – which I asked for additional information about. Could you please provide more information about this?

Thanks,

Elizabeth

From: Jessica Webb <JessicaW@empirepaving.com>

Sent: Thursday, February 25, 2021 12:01 PM

To: Sanderson, Elizabeth <Elizabeth.Sanderson@hartford.gov>

Subject: Re: apparent leakage of slurry water waste at 611 Brookfield St.

There are no MSDS sheets. It is water mixed with the natural soil.

Sent from my iPhone

On Feb 25, 2021, at 11:48 AM, Sanderson, Elizabeth
<Elizabeth.Sanderson@hartford.gov> wrote:

Thanks for this information Jon. As discussed earlier, please send me the MSDS about materials contained within the slurry.

-Elizabeth

From: Melone, Jon <Jon.Melone@aecom.com>
Sent: Thursday, February 25, 2021 10:53 AM
To: Sanderson, Elizabeth <Elizabeth.Sanderson@hartford.gov>; Perham, Andrew <APerham@themdc.com>
Cc: Tanner, Jim <James.Tanner@hartford.gov>; Loto, Tom <tom.loto@aecom.com>; Jessica Webb (JessicaW@empirepaving.com) <JessicaW@empirepaving.com>
Subject: Re: apparent leakage of slurry water waste at 611 Brookfield St.

I'll see you at the DS-2 work area on Brookfield Street tomorrow morning. The work area is pretty busy right now; I find it best to Park along Dart street (west side of Stone/Brookfield by the apartments & then walking back into site); I can meet you both there at 8:00

Get [Outlook for iOS](#)

From: Sanderson, Elizabeth <Elizabeth.Sanderson@hartford.gov>
Sent: Thursday, February 25, 2021 10:40:29 AM
To: Perham, Andrew <APerham@themdc.com>; Melone, Jon <Jon.Melone@aecom.com>
Cc: Tanner, Jim <James.Tanner@hartford.gov>; Loto, Tom <tom.loto@aecom.com>; Jessica Webb (JessicaW@empirepaving.com) <JessicaW@empirepaving.com>
Subject: [EXTERNAL] RE: apparent leakage of slurry water waste at 611 Brookfield St.

Thanks All. Jim Tanner and I will be onsite @ 8:30 tomorrow morning.

-Elizabeth

From: Perham, Andrew <APerham@themdc.com>
Sent: Thursday, February 25, 2021 10:19 AM
To: Sanderson, Elizabeth <Elizabeth.Sanderson@hartford.gov>
Cc: Tanner, Jim <James.Tanner@hartford.gov>; Melone, Jon <Jon.Melone@aecom.com>; Tom Loto (tom.loto@aecom.com) <tom.loto@aecom.com>; Jessica Webb (JessicaW@empirepaving.com) <JessicaW@empirepaving.com>
Subject: RE: apparent leakage of slurry water waste at 611 Brookfield St.

Hi Elizabeth,

I've requested that Jon Melone (AECOM Inspector) to be available when you arrive tomorrow morning at Brookfield St.

Please coordinate with him.

Jon is also copied here, as is Jessica Webb from Empire Paving (contractor).

Jon's cell is (860) 234-3967.

Thanks,

-Andrew

From: Sanderson, Elizabeth <Elizabeth.Sanderson@hartford.gov>
Sent: Thursday, February 25, 2021 8:57 AM
To: Perham, Andrew <APerham@themdc.com>
Cc: Tanner, Jim <James.Tanner@hartford.gov>
Subject: RE: apparent leakage of slurry water waste at 611 Brookfield St.

OK, thank you.

From: Perham, Andrew <APerham@themdc.com>
Sent: Thursday, February 25, 2021 7:55 AM
To: Sanderson, Elizabeth <Elizabeth.Sanderson@hartford.gov>
Cc: Tanner, Jim <James.Tanner@hartford.gov>
Subject: RE: apparent leakage of slurry water waste at 611 Brookfield St.

Hi Elizabeth,

I forwarded this information to our construction management team (AECOM) and the contractor (Empire). I will not be available at that time tomorrow but will keep you informed of who will meet you at the site.

Thanks,

-Andrew

From: Sanderson, Elizabeth <Elizabeth.Sanderson@hartford.gov>
Sent: Wednesday, February 24, 2021 4:14 PM
To: Perham, Andrew <APerham@themdc.com>
Cc: Tanner, Jim <James.Tanner@hartford.gov>
Subject: RE: apparent leakage of slurry water waste at 611 Brookfield St.

Good Afternoon Andrew,

Thanks for taking my call today. As I mentioned, I would like to inspect the site of the spill with another inspector from the City this Friday (2/26) at 8:30 AM.
Please let me know if this date/time works for you.

Thank you,

Elizabeth Sanderson, AICP RLA CZEO
Project Leader
City of Hartford Department of Development Services Economic Development Division
Desk: 860-757-9238
Cell: 860-936-4489 (preferred)

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From: Chambers, Aimee
Sent: Tuesday, February 23, 2021 4:16 PM
To: Sanderson, Elizabeth <Elizabeth.Sanderson@hartford.gov>
Subject: FW: apparent leakage of slurry water waste from

Aimee Chambers, AICP
Desk: 860-757-9073
Cell: 860-372-1389

From: Dellaripa, Frank <Frank.Dellaripa@hartford.gov>
Sent: Monday, February 22, 2021 11:28 AM
To: Chambers, Aimee <Aimee.Chambers@hartford.gov>
Subject: FW: apparent leakage of slurry water waste from

Hi Aimee, the photos attached here are from MDC's tunnel project. They collected slurry from the micro-tunneling machine and discharged it into a pit on site, then the solids would be removed and trucked away. Apparently, the pit overfilled and slurry spilled into the wetlands. The contractor notified DEEP on Friday and then DPW today. I was told that there was an inland wetland permit issued to the contractor by the City and the State. Let me know if you need further information.

Frank

From: Perham, Andrew <APerham@themdc.com>
Sent: Monday, February 22, 2021 10:11 AM
To: Dellaripa, Frank <Frank.Dellaripa@hartford.gov>
Cc: Tom Loto (tom.loto@aecom.com) <tom.loto@aecom.com>; Melone, Jon <Jon.Melone@aecom.com>; Jessica Webb (JessicaW@empirepaving.com) <JessicaW@empirepaving.com>; Choquette, Art <achoquette@themdc.com>; Jones, Keith <KJones@themdc.com>
Subject: FW: apparent leakage of slurry water waste from

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Hi Frank,

As you requested, here is the initial report of the slurry spill at 611 Brookfield St in Hartford (DS-2). This occurred Friday afternoon and is related to our Contract 5 tunnel project.

Empire notified CT DEEP of this incident. The CT DEEP case number is 2021-608.

Please forward to the appropriate department / personnel as needed.

It was good to speak with you.

Thanks,

Andrew Perham
Construction Manager
(860) 278-7850 x3449

The Metropolitan District
231 Brainard Rd
Hartford, CT 06114

Mailing address:
MDC
P.O. Box 800
Hartford, CT 06142

www.themdc.com

From: Melone, Jon <Jon.Melone@aecom.com>
Sent: Friday, February 19, 2021 5:12 PM
To: Perham, Andrew <APerham@themdc.com>; Jones, Keith <KJones@themdc.com>
Cc: Loto, Tom <tom.loto@aecom.com>; 'Jessica Webb' <JessicaW@empirepaving.com>; Choquette, Art <achoquette@themdc.com>
Subject: apparent leakage of slurry water waste from

Just noted while inspecting the RCP pipe set-up to for use with the microtunneling, could see an apparent brown streak in the snow beyond the downslope fence line of DS-2 toward the wetlands and the brook. It appears the slurry leak was noted earlier and subsequently plugged (does not appear to be leaking at this time). The first picture indicates the apparent spill into the wetlands area, while the 2nd picture shows the area were spill overtopped the silt fence.

EPI was notified of the observation shortly after it was noted; EPI noted they would address the fence (more silt fence or haybales) & instructed the operator working on the slurry thickening operation to proceed with more caution/be cognizant of this

situation. EPI was also reminded they need to report this apparent spill event (as had occurred with the slurry spill on by NCP MH02/Hillcrest Ave into the brook). I will be onsite tomorrow monitoring the microtunneling as well as the slurry thickening work in the Soil Solidification Pits.

Jonathan P. Melone

Senior Resident Representative/ Scientist

AECOM

500 Enterprise Drive, Suite 1A

Rocky Hill, CT 06067

main office: 860.263.5800 fax: 860.263.5777

direct: 860.263.5754

cell: 860.234-3967

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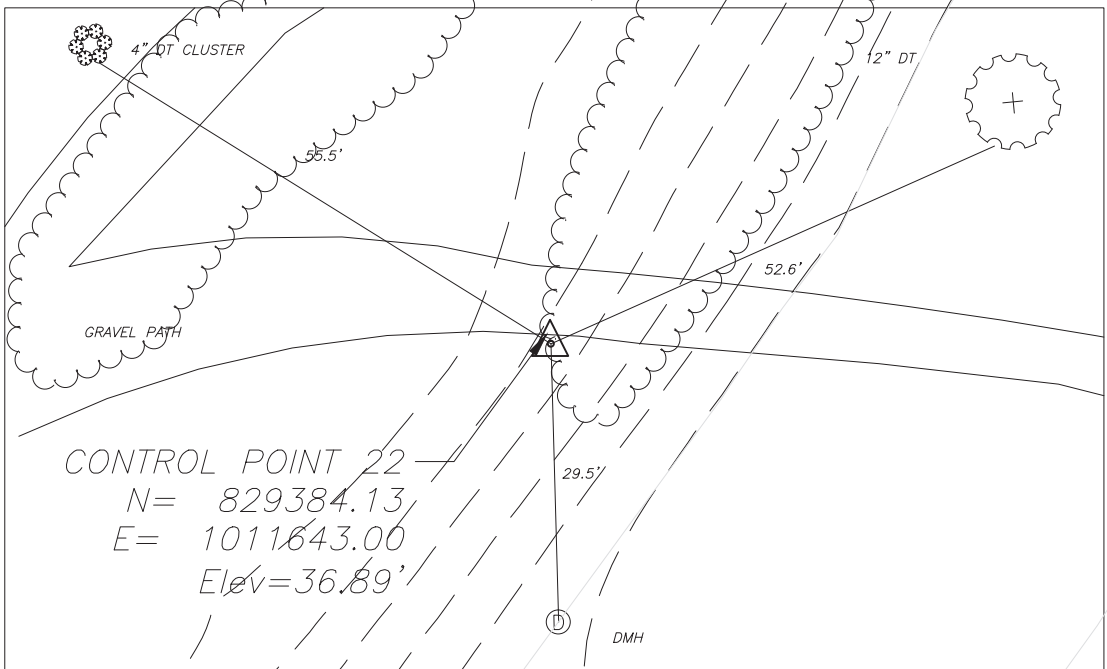
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2021/02/19
16:07

MATCH LINE - SHEET 500 V-121

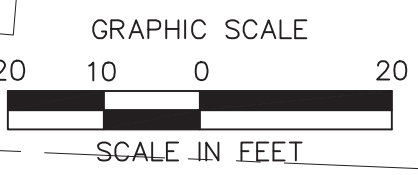


CONTROL POINT 22
N= 829384.13
E= 1011643.00
Elev=36.89'

CONTROL POINT 23
N= 829419.69
E= 1011725.77
Elev=51.53'



MATCH LINE - SHEET 500 V-119



VERTICAL DATUM IS NGVD 29
HORIZONTAL DATUM IS NAD 83/92



The Metropolitan District
555 Main Street
Hartford, Connecticut

REV.	NO.	DATE	DRWN	CHKD	REMARKS

FILE NAME: XSTPL104-20 SCALE
SURVEYED BY: LK/RC
DRAWN BY: BS/CB
CHK'D BY: BS
X-CHECK'D BY: CB
APPROVED BY: BS
DATE: MARCH 2016



500 ENTERPRISE DRIVE, SUITE 1A
ROCKY HILL, CT 06067
PHONE (860) 263-5800



CONTRACT NO. 2015B-35
SOUTH HARTFORD CONVEYANCE AND
STORAGE TUNNEL

CONTRACT 5

EXISTING TOPO CONDITIONS DS-2

CIVIL

PLAN NUMBER

SHEET NO.

500 V-120

Freeman Companies, LLC. W:\2012\2012-0205-SH051-AECOM\DD-Pro\Drawings\XSTPL104-20 scale.dwg Apr. 29, 2016--4:22pm Plotted By: BShaw

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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): HARTFORD
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: _____ or number: 52
subregional drainage basin number: 4400
7. NAME OF APPLICANT, VIOLATOR OR PETITIONER (print name): EMPIRE PAVING - JESSICA WEBB
8. NAME & ADDRESS / LOCATION OF PROJECT SITE (print information): 180 JOHN D. WARDLAW WAY
briefly describe the action/project/activity (check and print information): temporary ☒ permanent ☐ description: REMOVE SLURRY MATERIAL INADVERTENTLY DEPOSITED ONTO SITE -
WORK IS TEMPORARY
9. ACTIVITY PURPOSE CODE (see instructions, only use one code): H
10. ACTIVITY TYPE CODE(S) (see instructions for codes): 2, _____, _____, _____
11. WETLAND / WATERCOURSE AREA ALTERED (must provide acres or linear feet):
wetlands: _____ acres open water body: _____ acres stream: _____ linear feet
12. UPLAND AREA ALTERED (must provide acres): _____ acres
13. AREA OF WETLANDS / WATERCOURSES RESTORED, ENHANCED OR CREATED (must provide acres): .05 acres

DATE RECEIVED:

PART III: To Be Completed By The DEEP

DATE RETURNED TO DEEP:

FORM COMPLETED: YES NO

FORM CORRECTED / COMPLETED: YES NO

9. Carefully review the list below and enter ONLY ONE code letter which best characterizes the action/project/activity. All state agency projects must code "N".

A = Residential Improvement by Homeowner
B = New Residential Development for Single Family Units
C = New Residential Development for Multi-Family / Condos
D = Commercial / Industrial Uses
E = Municipal Project
F = Utility Company Project
G = Agriculture, Forestry or Conservation
H = Wetland Restoration, Enhancement, Creation

I = Storm Water / Flood Control
J = Erosion / Sedimentation Control
K = Recreation / Boating / Navigation
L = Routine Maintenance
M = Map Amendment
N = State Agency Project
P = Other (this code includes the approval of concept plans with no-on-the-ground work)

10. Enter between one and four code numbers to best characterize the project or activity being reported. Enter "NA" if this form is being completed for the action of map amendment. You MUST provide code 12 if the activity is located in an established upland review area. You MUST provide code 14 if the activity is located beyond the established upland review area or no established upland review area exists.

1 = Filling
2 = Excavation
3 = Land Clearing / Grubbing (no other activity)
4 = Stream Channelization
5 = Stream Stabilization (includes lakeshore stabilization)
6 = Stream Clearance (removal of debris only)
7 = Culverting (not for roadways)

8 = Underground Utilities Only (no other activities)
9 = Roadway / Driveway Construction
10 = Drainage Improvements
11 = Pond, Lake Dredging / Dam Construction
12 = Activity in an Established Upland Review Area
14 = Activity in Upland

Examples: Jurisdictional ruling allowing construction of a parking lot in an upland where the municipality does not have an established upland review area must use code 14, other possible codes are 2 and 10. Permitted construction of a free standing garage (residential improvement by homeowner) partially in an established upland review area with the remainder in the upland must use code 12 and 14, other possible codes are 1 and 2.

11. Leave blank for TEMPORARY alterations but please indicate action/project/activity is temporary under question #8 on the form. For PERMANENT alterations, enter in acres the area of wetland soils or watercourses altered. Include areas that are permanently altered, or are proposed to be, for all agency permits, denials, amendments, renewals, jurisdictional rulings, and enforcement actions. For those activities that involve filling or dredging of lakes, ponds or similar open water bodies enter the acres filled or dredged under "open water body". For those activities that involve directly altering a linear reach of a brook, river, lakeshore or similar linear watercourse, enter the total linear feet altered under "stream". Remember that these figures represent only the acreage altered not the total acreage of wetlands or watercourses on the site. You MUST provide all information in ACRES (or linear feet as indicated) including those areas less than one acre. To convert from square feet to acres, divide square feet by the number 43,560. If this report is being completed for an agency jurisdictional ruling and detailed information is not available, provide an estimate. Enter zero if there is no alteration.
12. Enter in acres the area of upland altered as a result of an ACTIVITY REGULATED BY the inland wetlands agency, or as a result of an AGENT APPROVAL pursuant to CGS section 22a-42a(c)(2). Leave blank for TEMPORARY alterations but please indicate action/project/activity is temporary under question #8 on the form. Include areas that are permanently altered, or proposed to be permanently altered, for all agent approvals, agency permits, denials, amendments, renewals, jurisdictional rulings, and enforcement actions. You MUST provide all information in ACRES including those areas less than one acre. See directions above (#11) for conversion factor. If this report is being completed for an agent approval or an agency jurisdictional ruling and detailed information is not available, provide an estimate. Enter zero if there is no alteration.
13. Enter the acres that are, or are proposed to be, restored, enhanced or created for all agency permits, denials, amendments, renewals, jurisdictional rulings and enforcement actions. NOTE restored or enhanced applies to previously existing wetlands or watercourses. Created applies to a non-wetland or non-watercourse area which is converted into wetlands or watercourses (question #10 must provide 12 and/or 14 as an answer, and question #12 must also be answered). You MUST provide all information in ACRES including those areas less than one acre. See directions above (#11) for conversion factor. Enter zero if there is no restoration, enhancement or creation.

PART III: To Be Completed By The DEEP - Please leave this area blank. Incomplete or incomprehensible forms will be mailed back to the inland wetlands agency.

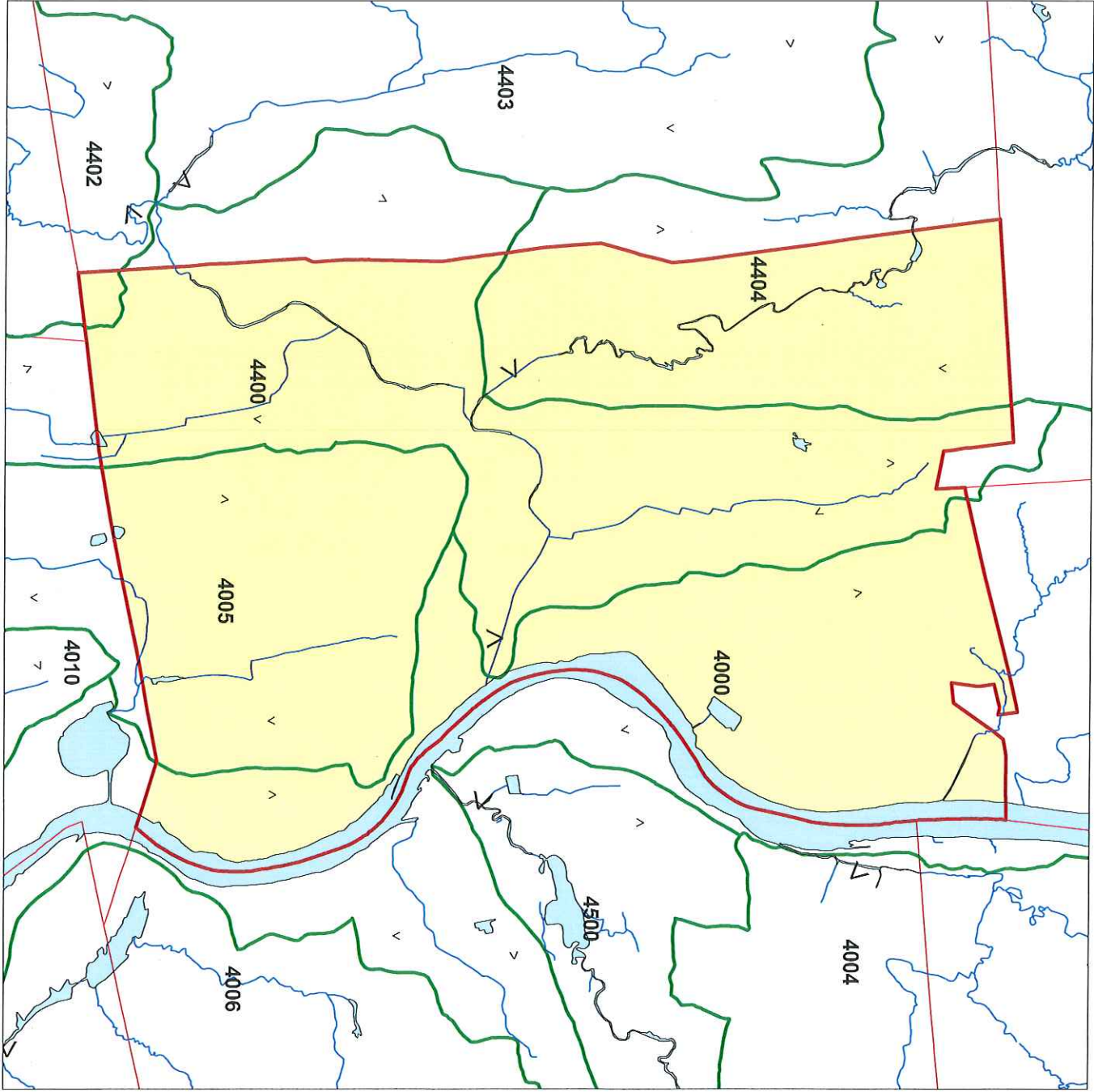
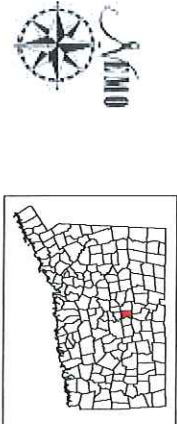
HARTFORD CONNECTICUT SUBREGIONAL BASINS AND SURFACE WATER FLOW DIRECTIONS

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_	nd	Acres	InTwn	Percofb	Percofc	Percofc	Percofc	Percofc	Percofc
4000		3149.84		3.1		27.3			
4005		2359.30		60.1		20.4			
4400		3896.24		69.2		33.7			
4402		52.97		0.7		0.5			
4404		2096.64		11.4		18.1			



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

1 0 1 Miles

Town Area: 11555 Acres

The University of Connecticut, CES, November 01, 1999