



May 18, 2022

**Town of West Hartford**

Department of Community Development - Planning Division  
50 South Main Street  
West Hartford, Connecticut 06107

Attn: Inland Wetlands and Watercourse Agency

**RE: 25 Brixton Street – IWWA Application Project Narrative  
Material Solution Center Site Development  
Commission Number: 09WH2.04**

Dear Commission:

Loureiro Engineering Associates, Inc (LEA) has prepared this project narrative on behalf of the Town of West Hartford (Town) to provide a description and detail for the proposed development of a waste management and recycling facility at 25 Brixton Street called the Materials Solution Center (hereinafter referred to as the “MSC” or the “Site”).

**1.0 Project Description**

In 1977, the Town ceased operation of the existing landfill and incinerator operation and converted the site to a municipal transfer station called the Yard Waste and Recycling Center. The facility progressed to become a critical component of the Town’s existing waste management and as such is planned to be upgraded to a new facility that will meet current and future waste and recycling needs. The construction of the MSC will be in conjunction with the closure of the existing landfill. The final closure of the landfill will eliminate the Town’s environmental liability associated with the site and, as stated, provide enhanced means to waste management.

The site is approximately 11 acres (ac) which includes a commercial truck access drive to the on-site scale, entrance and exit drives for residential material drop-offs, 16,900 square foot (sf) MSC building with truck access and material bins, and the landfill formation as needed to facilitate the closure of the existing landfill. The redevelopment will provide an improved site layout and new stormwater management system designed to collect and convey runoff to the Trout Brook to the south. New stormwater management facilities include a series of catch basins and subsurface detention systems to attenuate and treat peak storm flows. The existing Site includes stormwater infrastructure that will be mostly removed with the exception of the primary discharge line that conveys the project area and part of the adjacent sites to Trout Brook.

The Site is directly adjacent to a watercourse, Trout Brook, and the southern portion of the site falls within the 150-foot upland review area. The delineation of the watercourse is identified on the

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survey plan completed by LEA and was reviewed and assessed by our Soil Scientist, James McManus, JMM Wetlands Consulting Services, LLC (JMM) on May 3, 2022. Site plans and the Wetland Assessment/Impact Analysis report are included with this application.

## **2.0 Impacts to Wetland**

As mentioned, the southern portion of the proposed site falls within the 150-foot upland review area. Approximately 43,380 sf, or almost 1 ac, of the site is within the upland review area. This portion of the site includes grading at the southern edge of the new land formation which connects to the existing river embankments. There are also riprap swales to control and convey stormwater runoff from the new landfill embankments to controlled discharge points. The development related to the MSC building, access drives, and the material transfer activities fall outside the resource area of upland review area.

The site has no direct impacts to the watercourse as there are no wetlands on site nor is any of the proposed work within the watercourse. The indirect impacts to the watercourse could include soil erosion and sedimentation during construction and stormwater discharge from the site during operation. Soil erosion and sedimentation will be controlled with the use of silt fencing with mulch socks along the edge of the disturbance area near the watercourse. Sediment traps are also proposed at the new swale discharge locations to control sedimentation during construction and during operation. Bank stabilization matting following the construction of the landfill banks will be installed and inlet protection (filter sacks) will be installed at all new and existing catch basins within the project area during construction.

Long term operation of the site will include pretreatment of all internal stormwater prior to discharge into Trout Brook. The system includes ADS water quality units (WQU) and sedimentation rows within each of the subsurface detention structures. The WQUs are modified N-12 piping designed to facilitate sediment removal and oil/spill containment with the use of sumps and weir plates. After the stormwater travels through the WQU, it will discharge direct into the sedimentation row of the detention structure where additional sediment removal will be achieved. The WQU are expected to reduce concentrations of phosphorus, metals from stormwater and floatable materials.

The riprap swales along the landfill embankment will assist in providing controlled stormwater flow and discharge velocity reduction. The swales will prevent/reduce erosion along the landfill embankments and uncontrolled channelization of stormwater. The project operation will also include the removal of significant stockpiled yard materials and composting currently on site. There is no plan to continue the permeant stockpiling of materials on site, but rather the yard waste received at the site will be temporarily stockpiled, then hauled off-site and processed at a suitable licensed receiving facility. The closure of the landfill will mitigate infiltration of rainfall through the on-site filled material. This will enhance the quality of groundwater at the site, which can migrate to Trout Brook. Further, the elimination of the active composting will significantly enhance stormwater runoff from this site.



The new site will not require the removal of much or many existing trees. With the lack of tree or vegetation removal, there are no anticipated impacts to animal habitats.

### **3.0 Alternatives Assessment**

In the development of the site layout, the project has gone through multiple rounds of review with the Town staff and future site operators. The following components were considered and altered to minimize site impacts:

- The initial design included a larger MSC building which was reduced to minimize overall site grading, reduce the site footprint, and improve traffic circulation. The MSC size was also minimized to only the necessary storage to operate the site as intended and permitted.
- Within the site limits plans for some composting were considered. The limitations of the usable land area and the increased potential for leachate generation from the stock piles, all composting activity was eliminated from the plan.
- A future fueling station for use by Department of Public Works was considered within the project area. The fueling station was eliminated to avoid overdevelopment of the available area, avoiding site congestion.
- Considerations for flood storage of the Park River Project Water Storage Area, per the Towns regulations, were made for the site grading and residential transfer station area. Access drive widths were decreased and slopes were increased to maximize internal flood storage volume and minimum dimensions for traffic circulation.

The site layout became focused on the primary needs; the closure of the former landfill and development of the MSC.

### **4.0 Construction Timelines and Site Maintenance**

Construction is planned to commence at the earliest Fall of 2022 until Summer of 2023. Construction will be phased to complete the landfill closure activities with the site to the relative final grades followed by the construction of the MSC building and then the completion of the residential and commercial transfer station. The site will be monitored during and after construction to ensure the safe and correct completion of the site. The landfill activities and size of the site also require the project to be permitted and approved by Connecticut Department of Energy and Environmental Protection (CT DEEP) for the landfill closure activities and the site construction. The Landfill will be closed in accordance with the Regulations of Connecticut State Agencies (RCSA) Section 22a-209. The project being larger than 5 acres, the construction activities are regulation under the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities (Construction GP).

Both permitting processes require frequent inspection and site maintenance during construction and post construction. During construction the site will be monitored to ensure there are no adverse impacts on the abutting properties or the environment from the site activities including contamination of groundwater and/or surface water, site erosion and/or sedimentation, and



negative impacts from stormwater runoff to receiving facilities and waterbodies. Stormwater management features will have long term inspection and maintenance requirements to ensure they are working properly and have not be compromised by sediment, spills or general wear and tear.

## **5.0 Conclusion**

Overall there will be no negative direct or indirect impacts to Trout Brook from the project. The inclusion of proper soil erosion and sediment control features during construction and the long-term control of the stormwater management features. Site maintenance will be consistent during construction in protection of the landfill to comply with the CT DEEP Construction GP. Post construction monitoring will be required as well to ensure the landfill is maintained in good condition and the operations of the site do not impact any resource areas.

**LOUREIRO ENGINEERING ASSOCIATES, INC.**

A handwritten signature in blue ink, appearing to read "Tristan Wallace", is positioned above the typed name.

Tristan Wallace, P.E.  
Project Manager

## STATEWIDE INLAND WETLANDS & WATERCOURSES ACTIVITY REPORTING FORM

Pursuant to section 22a-39(m) of the General Statutes of Connecticut and section 22a-39-14 of the Regulations of Connecticut State Agencies, inland wetlands agencies must complete the Statewide Inland Wetlands & Watercourses Activity Reporting Form for **each** action taken by such agency.

This form may be made part of a municipality's inland wetlands application package. If the municipality chooses to do this, it is recommended that a copy of the Town and Quadrangle Index of Connecticut and a copy of the municipality's subregional drainage basin map be included in the package.

Please remember, the inland wetlands agency is responsible for ensuring that the information provided is **accurate** and that it reflects the **final** action of the agency. Incomplete or incomprehensible forms will be mailed back to the agency. Instructions for completing the form are located on the following pages.

The inland wetlands agency shall mail completed forms for actions taken during a calendar month no later than the 15<sup>th</sup> day of the following month to the Department of Energy and Environmental Protection (DEEP). Do **not** mail this cover page or the instruction pages. Please mail **only** the **completed** reporting form to:

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

Questions may be directed to the DEEP's Inland Wetlands Management Program at (860) 424-3019.

## INSTRUCTIONS FOR COMPLETING

### THE STATEWIDE INLAND WETLANDS & WATERCOURSES ACTIVITY REPORTING FORM

*Use a separate form to report EACH action taken by the Agency. Complete the form as described below.  
Do NOT submit a reporting form for withdrawn actions.*

#### **PART I: Must Be Completed By The Inland Wetlands Agency**

1. Choose the year and month the Inland Wetlands Agency took the action being reported. If multiple actions were taken regarding the same project or activity then multiple forms need to be completed.
2. Choose ONE code letter to describe the final action or decision taken by the Inland Wetlands Agency. Do NOT submit a reporting form for withdrawn actions. Do NOT enter multiple code letters (for example: if an enforcement notice was given and subsequent permit issued - two forms for the two separate actions are to be completed).
  - A** = A Permit Granted by the Inland Wetlands Agency (not including map amendments, see code D below)
  - B** = Any Permit Denied by the Inland Wetlands Agency
  - C** = A Permit Renewed or Amended by the Inland Wetlands Agency
  - D** = A Map Amendment to the Official Town Wetlands Map - or -  
An Approved/Permitted Wetland or Watercourse Boundary Amendment to a Project Site Map
  - E** = An Enforcement Action: Permit Revocation, Citation, Notice of Violation, Order, Court Injunction, or Court Fines
  - F** = A Jurisdictional Ruling by the Inland Wetlands Agency (i.e.: activities "permitted as of right" or activities considered non-regulated)
  - G** = An Agent Approval pursuant to CGS 22a-42a(c)(2)
  - H** = An Appeal of Agent Approval Pursuant to 22a-42a(c)(2)
3. Check "yes" if a public hearing was held in regards to the action taken; otherwise check "no".
4. Enter the name of the Inland Wetlands Agency official verifying that the information provided on this form is accurate and that it reflects the FINAL action of the agency.

**PART II: To Be Completed By The Inland Wetlands Agency Or The Applicant** - If Part II is completed by the applicant, the applicant MUST return the form to the Inland Wetlands Agency. The Inland Wetlands Agency MUST ensure that the information provided is accurate and that it reflects the FINAL action of the Agency.

5. Enter the name of the municipality for which the Inland Wetlands Agency has jurisdiction and in which the action/project/activity is occurring.

Check "yes" if the action/project/activity crosses municipal boundaries and enter the name(s) of the other municipality(ies) where indicated. Check "no" if it does not cross municipal boundaries.
6. Enter the USGS Quad Map name or number (1 through 115) as found on the Connecticut Town and Quadrangle Index Map (the directory to all USGS Quad Maps) that contains the location of the action/project/activity. Click on the following website for USGS Quad Map information:  
[http://ct.gov/deep/lib/deep/gis/resources/Index\\_NamedQuadTown.pdf](http://ct.gov/deep/lib/deep/gis/resources/Index_NamedQuadTown.pdf)

ALSO enter the four-digit identification number of the corresponding Subregional Drainage Basin in which the action/project/activity is located. If the action/project/activity is located in more than one subregional drainage basin, enter the number of the basin in which the majority of the action/project/activity is located. Town subregional drainage basin maps can be found at UConn – CLEAR's website: [http://clear.uconn.edu/data/map\\_set/index.htm](http://clear.uconn.edu/data/map_set/index.htm)
7. Enter the name of the individual applying for, petitioning, or receiving the action.
8. Enter the name and address or location of the action/project/activity. Check if the action/project/activity is TEMPORARY or PERMANENT in nature. Also provide a brief DESCRIPTION of the action/project/activity. It is always best to provide as much information as possible (i.e., don't just state "forestry", provide details such as "20 acre forestry harvest, permit required for stream crossing".)

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".

- |  |   |
|--|---|
| <b>A</b> = Residential Improvement by Homeowner                  | <b>I</b> = Storm Water / Flood Control  |
| <b>B</b> = New Residential Development for Single Family Units   | <b>J</b> = Erosion / Sedimentation Control  |
| <b>C</b> = New Residential Development for Multi-Family / Condos | <b>K</b> = Recreation / Boating / Navigation  |
| <b>D</b> = Commercial / Industrial Uses                          | <b>L</b> = Routine Maintenance  |
| <b>E</b> = Municipal Project                                     | <b>M</b> = Map Amendment  |
| <b>F</b> = Utility Company Project                               | <b>N</b> = State Agency Project   |
| <b>G</b> = Agriculture, Forestry or Conservation                 | <b>P</b> = Other (this code includes the approval of<br>concept plans with no-on-the-ground work) |
| <b>H</b> = Wetland Restoration, Enhancement, Creation            |   |

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.

- |  |  |
|--|--|
| <b>1</b> = Filling   | <b>8</b> = Underground Utilities Only (no other activities)  |
| <b>2</b> = Excavation  | <b>9</b> = Roadway / Driveway Construction                   |
| <b>3</b> = Land Clearing / Grubbing (no other activity)            | <b>10</b> = Drainage Improvements                            |
| <b>4</b> = Stream Channelization                                   | <b>11</b> = Pond, Lake Dredging / Dam Construction           |
| <b>5</b> = Stream Stabilization (includes lakeshore stabilization) | <b>12</b> = Activity in an Established Upland Review<br>Area |
| <b>6</b> = Stream Clearance (removal of debris only)               | <b>14</b> = Activity in Upland                               |
| <b>7</b> = Culverting (not for roadways)                           |  |

**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.



GIS CODE #: \_\_\_\_\_  
For DEEP Use Only

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www.ct.gov/deep

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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, 3<sup>rd</sup> 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

- DATE ACTION WAS TAKEN: year: \_\_\_\_\_ month: \_\_\_\_\_
- ACTION TAKEN (see instructions, only use one code): \_\_\_\_\_
- WAS A PUBLIC HEARING HELD (check one)? yes  no
- 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

- TOWN IN WHICH THE ACTION IS OCCURRING (print name): West 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)): \_\_\_\_\_, \_\_\_\_\_
- LOCATION (see instructions for information): USGS quad name: Hartford South or number: 52  
subregional drainage basin number: \_\_\_\_\_
- NAME OF APPLICANT, VIOLATOR OR PETITIONER (print name): Town of West Hartford
- NAME & ADDRESS / LOCATION OF PROJECT SITE (print information): 25 Brixton Street, West Hartford, CT  
briefly describe the action/project/activity (check and print information): temporary  permanent  description: Closure of an existing landfill and redevelopment of a waste and recycling center for current and future waste management.
- ACTIVITY PURPOSE CODE (see instructions, only use one code): E
- ACTIVITY TYPE CODE(S) (see instructions for codes): 12, N/A, N/A, N/A
- WETLAND / WATERCOURSE AREA ALTERED (must provide acres or linear feet):  
wetlands: 0 acres open water body: 0 acres stream: 0 linear feet
- UPLAND AREA ALTERED (must provide acres): 1 acres
- 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