

## Winchendon Landfill Site Observation – June 29, 2021

**To:** Brian Croteau, DPW Director  
**FROM:** Aaron Sabbs, PE, Tighe & Bond  
**COPY:** Alison Manugian, Conservation & Planning Agent  
Alex Fagnand, PE, Tighe & Bond  
**DATE:** July 26, 2021

---

On June 29, 2021, Aaron Sabbs from Tighe & Bond visited the Winchendon Landfill (hereby referred to as the "Site") to monitor the grading and shaping activities of the Landfill Closure Project. The Site, which is located at 580 River Street, is the former Mabardy Landfill. It is owned and operated by W.L. French Corporation (Operator) as the Winchendon Landfill. As part of the Landfill Closure Project, the Massachusetts Department of Environmental Protection (MassDEP) has permitted the acceptance of up to 415,000 cubic yards of COMM 97-001 material as defined by MassDEP Policy. In accordance with Condition 13 of the Landfill Closure Agreement between the Town and the Operator, the Site was reviewed for compliance with the following documents:

- Corrective Action Design, prepared by Langdon Environmental, LLC, dated June 2019 and revised October 2019.
- Initial Operations Plan, by Langdon Environmental, LLC, dated January 2021, revised to include temporary rip rap settling area.

### Landfill Operations

General landfill operations appeared to comply with best practices and the Corrective Action Design. While on site, material was placed in the northern corner of the site, and spread by a bulldozer in the general area of Section C-C of Sheet C-5 of the Corrective Action Design, within the limits designated for initial placement.

### Stormwater and Erosion

Stormwater conveyances have been constructed per the Initial Operations Plan as revised to include a temporary rip rap settling area. This plan was submitted to MassDEP under a Major Permit Modification (BWP SQ 11). A swale, including check dams, has been constructed from the temporary stormwater basin to the temporary settling area. Overflow from the temporary stormwater basin runs to the settling with a PVC culvert running beneath the access road. The swale from the northern section of the site to the temporary stormwater basin has not yet been constructed.

Erosion control was present along the northern, southern, and western edges of the site. There were no noted deficiencies in the erosion control.

The Operator maintains a water truck on site for dust control. Water from a basin in the adjacent southerly site was collected and sprayed on site to reduce dust.

**Material Accepted**

Tighe & Bond reviewed the attached Net Daily Summary Report received for the month of June, which details the total tonnage and number of loads of material received by the facility. As indicated in Table 1 below, a total of 24,834.48 tons of material was received in June, which results in 643,500.92 tons remaining of the total 788,500 tons permitted. Based on a utilization factor of 1.9 tons per cubic yard of soil, the total volume received in June was 13,070.78 cubic yards, which results in 338,684.71 cubic yards remaining.

**Table 1 - Cumulative Material Received**

<b>Month-Year</b>	<b>Material Received (tons)</b>	<b>Material Received (cubic yards)</b>
Before Feb-21	12,764.15	6,717.97
Feb-21	32,224.28	16,960.15
Mar-21	26,702.78	14,054.09
Apr-21	22,376.79	11,777.26
May-21	26,096.58	13,735.04
Jun-21	24,834.48	13,070.78
<b>Total</b>	<b>144,999.06</b>	<b>76,315.29</b>
<b>Remaining</b>	<b>643,500.94</b>	<b>338,684.71</b>

The DEP permit limits the number of loads received to 64 per day without special Town permission. There were no days in June in which the number of loads received was greater than 64.

Enclosed are photographs summarizing the items observed during the site visit.

\\tighebond.com\data\Data\Projects\W\W1157 Winchendon\081 - Mabardy LF Inspections\Report\_Evaluation\06-21\06-2021 Report.docx



*Photo 1 – Eastern slope and existing access road.*



*Photo 2 – Temporary Stormwater Overflow Catch Basin.*



*Photo 3 – Stormwater Culvert Under Access Road*



*Photo 3 - Swale and check dams between temporary stormwater basin and temporary rip rap settling area.*



*Photo 4 - Temporary rip rap settling area.*



*Photo 5 - Representative view of erosion control on the western limits of the Site.*



*Photo 6 – Existing slope and erosion control at the southern limits of the Site.*



*Photo 7 – Material delivered to site and placed for grading and shaping.*



*Photo 8 – Water truck dispensing water for dust control.*



*Photo 9 – Monitoring Well.*

# 580 River Street, LLC

## Gross/Tare/Net Daily Summary

Order: by Job Name Type: All  
From 06/01/2021 to 06/30/2021

### 06/01/2021

Job Name	<u>Loads</u>	<u>Net</u>	<u>Net Tons</u>
599 Columbus Ave, Boston, MA (T21-0120-1-M)	4	207,640	103.82
Boynton Yards Phase 1B Utilities (C20-016-1-B)	7	481,880	240.94
Cambridgeside Galleria minipile spoils (T21-0042-1-M)	2	25,720	12.86
Dot Block (C21-001-1-B)	10	694,500	347.25
Revere DPW (T18-0177-1-M)	16	1,171,100	585.55
06/01/2021 Totals	39	2,580,840	1,290.42

### 06/02/2021

Job Name	<u>Loads</u>	<u>Net</u>	<u>Net Tons</u>
Boynton Yards Phase 1B Utilities (C20-016-1-B)	4	305,140	152.57
Cambridgeside Galleria minipile spoils (T21-0042-1-M)	2	24,880	12.44
Dot Block (C21-001-1-B)	14	960,980	480.49
St Mark School Addition (T21-0043-1-M)	18	1,287,080	643.54
06/02/2021 Totals	38	2,578,080	1,289.04

### 06/03/2021

Job Name	<u>Loads</u>	<u>Net</u>	<u>Net Tons</u>
Cambridgeside Galleria minipile spoils (T21-0042-1-M)	2	24,860	12.43
Dot Block (C21-001-1-B)	12	818,840	409.42
St Mark School Addition (T21-0043-1-M)	8	581,000	290.50
06/03/2021 Totals	22	1,424,700	712.35

### 06/04/2021

Job Name	<u>Loads</u>	<u>Net</u>	<u>Net Tons</u>
15 Bennett St, Somerville, MA (T21-0018-1-B)	2	139,200	69.60
99 Washington Street, Melrose (T21-0112-1-M)	2	139,840	69.92
Cambridgeside Galleria minipile spoils (T21-0042-1-M)	2	27,840	13.92
06/04/2021 Totals	6	306,880	153.44

### 06/07/2021

Job Name	<u>Loads</u>	<u>Net</u>	<u>Net Tons</u>
Cambridgeside Galleria minipile spoils (T21-0042-1-M)	1	12,060	6.03
Dow Logan Term E L338C1 3000 cuyd (T19-0353-1-M)	12	888,680	444.34
Longwood Towers II (C19-016-2-M)	1	45,920	22.96
Lowell High School (C20-023-3-B)	6	410,360	205.18
06/07/2021 Totals	20	1,357,020	678.51

### 06/08/2021

Job Name	<u>Loads</u>	<u>Net</u>	<u>Net Tons</u>
15 Bennett St, Somerville, MA (T21-0018-1-B)	1	62,760	31.38
Cambridgeside Galleria minipile spoils (T21-0042-1-M)	1	14,560	7.28
Dow Logan Term E L338C1 3000 cuyd (T19-0353-1-M)	8	582,380	291.19
Longwood Towers II (C19-016-2-M)	1	47,680	23.84

Report Date 7/15/2021 8:10:38 AM



# 580 River Street, LLC

## Gross/Tare/Net Daily Summary

Order: by Job Name Type: All  
From 06/01/2021 to 06/30/2021

06/08/2021 Totals	11	707,380	353.69
-------------------	----	---------	--------

### 06/09/2021

Job Name	<u>Loads</u>	<u>Net</u>	<u>Net Tons</u>
5 Washington Street (T20-0270-1-B)	6	457,980	228.99
Dow Logan Term E L338C1 3000 cuyd (T19-0353-1-M)	12	867,820	433.91
MassDOT District 3 Catch Basin Cleanings (T17-0135-1-M)	12	868,320	434.16
Tyngsborough Catch Basin Cleanings (T21-0102-1-M)	2	126,940	63.47
Waltham CB 167 Lexington St Waltham (T20-0155-1-M)	2	156,600	78.30
06/09/2021 Totals	34	2,477,660	1,238.83

### 06/10/2021

Job Name	<u>Loads</u>	<u>Net</u>	<u>Net Tons</u>
5 Washington Street (T20-0270-1-B)	6	435,020	217.51
Boynton Yards Phase 1B Utilities (C20-016-1-B)	8	588,000	294.00
Cambridgeside Galleria minipile spoils (T21-0042-1-M)	2	29,880	14.94
Dow Logan Term E L338C1 3000 cuyd (T19-0353-1-M)	12	858,580	429.29
Fan Pier Parcel E (T21-0017-1-M)	2	132,880	66.44
Indigo Block Soil (T21-0135-1-M)	6	284,460	142.23
06/10/2021 Totals	36	2,328,820	1,164.41

### 06/11/2021

Job Name	<u>Loads</u>	<u>Net</u>	<u>Net Tons</u>
15 Bennett St, Somerville, MA (T21-0018-1-B)	2	132,760	66.38
480 Chestnut Street, Holyoke (T21-0093-1-B)	13	891,340	445.67
Boynton Yards Phase 1B Utilities (C20-016-1-B)	10	734,760	367.38
Cambridge Park Drive (T20-0056-1-B)	2	135,640	67.82
Cambridgeside Galleria minipile spoils (T21-0042-1-M)	2	26,440	13.22
City Point - 180 Third Ave Waltham (C21-003-1-M)	2	119,780	59.89
Dow Logan Term E L338C1 3000 cuyd (T19-0353-1-M)	12	846,300	423.15
06/11/2021 Totals	43	2,887,020	1,443.51

### 06/14/2021

Job Name	<u>Loads</u>	<u>Net</u>	<u>Net Tons</u>
Belmont Street Sweepings (T19-0108-1-M)	4	260,440	130.22
Cambridgeside Galleria minipile spoils (T21-0042-1-M)	2	25,880	12.94
City Point - 180 Third Ave Waltham (C21-003-1-M)	16	1,139,300	569.65
Dow Logan Term E L338C1 3000 cuyd (T19-0353-1-M)	12	873,080	436.54
Fan Pier Parcel E (T21-0017-1-M)	2	146,640	73.32
06/14/2021 Totals	36	2,445,340	1,222.67

Report Date 7/15/2021 8:10:38 AM

# 580 River Street, LLC

## Gross/Tare/Net Daily Summary

Order: by Job Name Type: All  
From 06/01/2021 to 06/30/2021

### 06/15/2021

Job Name	<u>Loads</u>	<u>Net</u>	<u>Net Tons</u>
480 Chestnut Street, Holyoke (T21-0093-1-B)	16	1,078,920	539.46
5 Washington Street (T20-0270-1-B)	10	720,640	360.32
725-729 Morrissey Blvd, Dorchester (T21-0041-1-B)	8	505,380	252.69
Cambridgeside Galleria minipile spoils (T21-0042-1-M)	1	11,940	5.97
City Point - 180 Third Ave Waltham (C21-003-1-M)	9	636,220	318.11
Dow Logan Term E L338C1 3000 cuyd (T19-0353-1-M)	12	900,340	450.17
MOB Phase 2 (T20-0030-2-B)	8	584,140	292.07
06/15/2021 Totals	64	4,437,580	2,218.79

### 06/16/2021

Job Name	<u>Loads</u>	<u>Net</u>	<u>Net Tons</u>
480 Chestnut Street, Holyoke (T21-0093-1-B)	8	549,720	274.86
5 Washington Street (T20-0270-2-M)	10	708,680	354.34
725-729 Morrissey Blvd, Dorchester (T21-0041-1-B)	11	750,180	375.09
Cambridge Park Drive (T20-0056-1-B)	1	71,840	35.92
Cambridgeside Galleria minipile spoils (T21-0042-1-M)	2	23,400	11.70
Dow Logan Term E L338C1 3000 cuyd (T19-0353-1-M)	12	880,300	440.15
Lowell High School (C20-023-3-B)	4	260,220	130.11
MOB Phase 2 (T20-0030-2-B)	12	862,320	431.16
06/16/2021 Totals	60	4,106,660	2,053.33

### 06/17/2021

Job Name	<u>Loads</u>	<u>Net</u>	<u>Net Tons</u>
24 East River St Orange (T21-0060-2-B)	12	802,720	401.36
5 Washington Street (T20-0270-2-M)	12	906,500	453.25
725-729 Morrissey Blvd, Dorchester (T21-0041-1-B)	8	553,720	276.86
Cambridgeside Galleria minipile spoils (T21-0042-1-M)	2	22,040	11.02
Dow Logan Term E L338C1 3000 cuyd (T19-0353-1-M)	12	877,360	438.68
Fan Pier Parcel E (T21-0017-1-M)	2	97,860	48.93
MOB Phase 2 (T20-0030-2-B)	11	813,220	406.61
06/17/2021 Totals	59	4,073,420	2,036.71

### 06/18/2021

Job Name	<u>Loads</u>	<u>Net</u>	<u>Net Tons</u>
15 Bennett St, Somerville, MA (T21-0018-1-B)	6	399,660	199.83
480 Chestnut Street, Holyoke (T21-0093-1-B)	8	540,500	270.25

Report Date 7/15/2021 8:10:38 AM

# 580 River Street, LLC

## Gross/Tare/Net Daily Summary

Order: by Job Name Type: All  
From 06/01/2021 to 06/30/2021

5 Washington Street (T20-0270-2-M)	22	1,547,120	773.56
92 Grand St, Worcester (T21-0032-1-B)	8	539,740	269.87
Cambridgeside Galleria minipile spoils (T21-0042-1-M)	1	8,840	4.42
Dow Logan Term E L338C1 3000 cuyd (T19-0353-1-M)	12	857,640	428.82
Lowell High School (C20-023-3-B)	2	151,020	75.51
06/18/2021 Totals	59	4,044,520	2,022.26

### 06/21/2021

Job Name	<u>Loads</u>	<u>Net</u>	<u>Net Tons</u>
24 East River St Orange (T21-0060-2-B)	3	197,460	98.73
5 Washington Street (T20-0270-2-M)	22	1,605,320	802.66
Cambridgeside Galleria minipile spoils (T21-0042-1-M)	2	19,080	9.54
Dow Logan Term E L338C1 3000 cuyd (T19-0353-1-M)	12	852,320	426.16
Fan Pier Parcel E (T21-0017-1-M)	2	132,880	66.44
Indigo Block Soil (T21-0135-1-M)	3	148,240	74.12
Lowell High School (C20-023-3-B)	4	278,020	139.01
Lower Basin Police Barracks (C21-007-1-M)	9	443,540	221.77
MOB Phase 2 (T20-0030-2-B)	4	264,740	132.37
06/21/2021 Totals	61	3,941,600	1,970.80

### 06/22/2021

Job Name	<u>Loads</u>	<u>Net</u>	<u>Net Tons</u>
480 Chestnut Street, Holyoke (T21-0093-1-B)	2	138,280	69.14
Cambridgeside Galleria minipile spoils (T21-0042-1-M)	2	25,040	12.52
City Point - 180 Third Ave Waltham (C21-003-1-M)	13	844,480	422.24
Dow Logan Term E L338C1 3000 cuyd (T19-0353-1-M)	12	872,960	436.48
Lowell High School (C20-023-3-B)	6	362,520	181.26
MOB Phase 2 (T20-0030-2-B)	2	144,240	72.12
06/22/2021 Totals	37	2,387,520	1,193.76

### 06/23/2021

Job Name	<u>Loads</u>	<u>Net</u>	<u>Net Tons</u>
Cambridgeside Galleria minipile spoils (T21-0042-1-M)	2	18,880	9.44
CHA Truman Apts Cambridge (T20-0312-1-M)	1	45,280	22.64
Fan Pier Parcel E (T21-0017-1-M)	2	138,200	69.10
06/23/2021 Totals	5	202,360	101.18

### 06/24/2021

Job Name	<u>Loads</u>	<u>Net</u>	<u>Net Tons</u>
Belmont Street Sweepings (T19-0108-1-M)	4	207,260	103.63
Cambridgeside Galleria minipile spoils (T21-0042-1-M)	2	20,420	10.21
CHA Truman Apts Cambridge (T20-0312-1-M)	2	97,640	48.82
Dot Block (C21-001-1-B)	2	144,100	72.05
Stoneham Catch Basin Cleanings (T20-0379-1-M)	3	193,980	96.99

Report Date 7/15/2021 8:10:38 AM

# 580 River Street, LLC

## Gross/Tare/Net Daily Summary

Order: by Job Name Type: All  
From 06/01/2021 to 06/30/2021

06/24/2021 Totals 13 663,400 331.70

### 06/25/2021

Job Name	<u>Loads</u>	<u>Net</u>	<u>Net Tons</u>
Cambridgeside Galleria minipile spoils (T21-0042-1-M)	1	9,860	4.93
CHA Truman Apts Cambridge (T20-0312-1-M)	2	93,240	46.62
Fan Pier Parcel E (T21-0017-1-M)	2	141,540	70.77
Lower Basin Police Barracks (C21-007-1-M)	2	88,900	44.45
Medfield Catch Basin Cleanings (T21-0166-1-M)	8	532,760	266.38
Simmon U Ph 2 Renovations (T21-0095-1-M)	6	381,500	190.75
Stoneham Catch Basin Cleanings (T20-0379-1-M)	1	48,740	24.37
Stoughton Street Sweepings (T20-0364-2-M)	8	524,660	262.33
06/25/2021 Totals	30	1,821,200	910.60

### 06/28/2021

Job Name	<u>Loads</u>	<u>Net</u>	<u>Net Tons</u>
Engine 42 Firehouse Roxbury 1-M (T20-0035-1-M)	4	182,680	91.34
GLX (T18-0354-2-B)	14	929,360	464.68
06/28/2021 Totals	18	1,112,040	556.02

### 06/29/2021

Job Name	<u>Loads</u>	<u>Net</u>	<u>Net Tons</u>
5 Washington Street (T20-0270-1-B)	29	2,175,460	1,087.73
Belmont Street Sweepings (T19-0108-1-M)	2	92,980	46.49
Cambridgeside Galleria minipile spoils (T21-0042-1-M)	2	18,260	9.13
Engine 42 Firehouse Roxbury 1-M (T20-0035-1-M)	3	156,460	78.23
Medfield Catch Basin Cleanings (T21-0166-1-M)	2	133,140	66.57
Simmon U Ph 2 Renovations (T21-0095-1-M)	6	389,340	194.67
06/29/2021 Totals	44	2,965,640	1,482.82

### 06/30/2021

Job Name	<u>Loads</u>	<u>Net</u>	<u>Net Tons</u>
Camb Housing Auth Roosevelt Towers (T20-0258-1-B)	6	282,700	141.35
Cambridgeside Galleria minipile spoils (T21-0042-1-M)	2	19,000	9.50
Engine 42 Firehouse Roxbury 1-M (T20-0035-1-M)	2	92,480	46.24
Fan Pier Parcel E (T21-0017-1-M)	2	141,220	70.61
Simmon U Ph 2 Renovations (T21-0095-1-M)	4	283,880	141.94
06/30/2021 Totals	16	819,280	409.64

Report Date 7/15/2021 8:10:38 AM

# 580 River Street, LLC

## Gross/Tare/Net Daily Summary

Order: by Job Name Type: All  
From 06/01/2021 to 06/30/2021

	<u>Loads</u>	<u>Net</u>	<u>Net Tons</u>
Grand Total	751	49,668,960	24,834.48