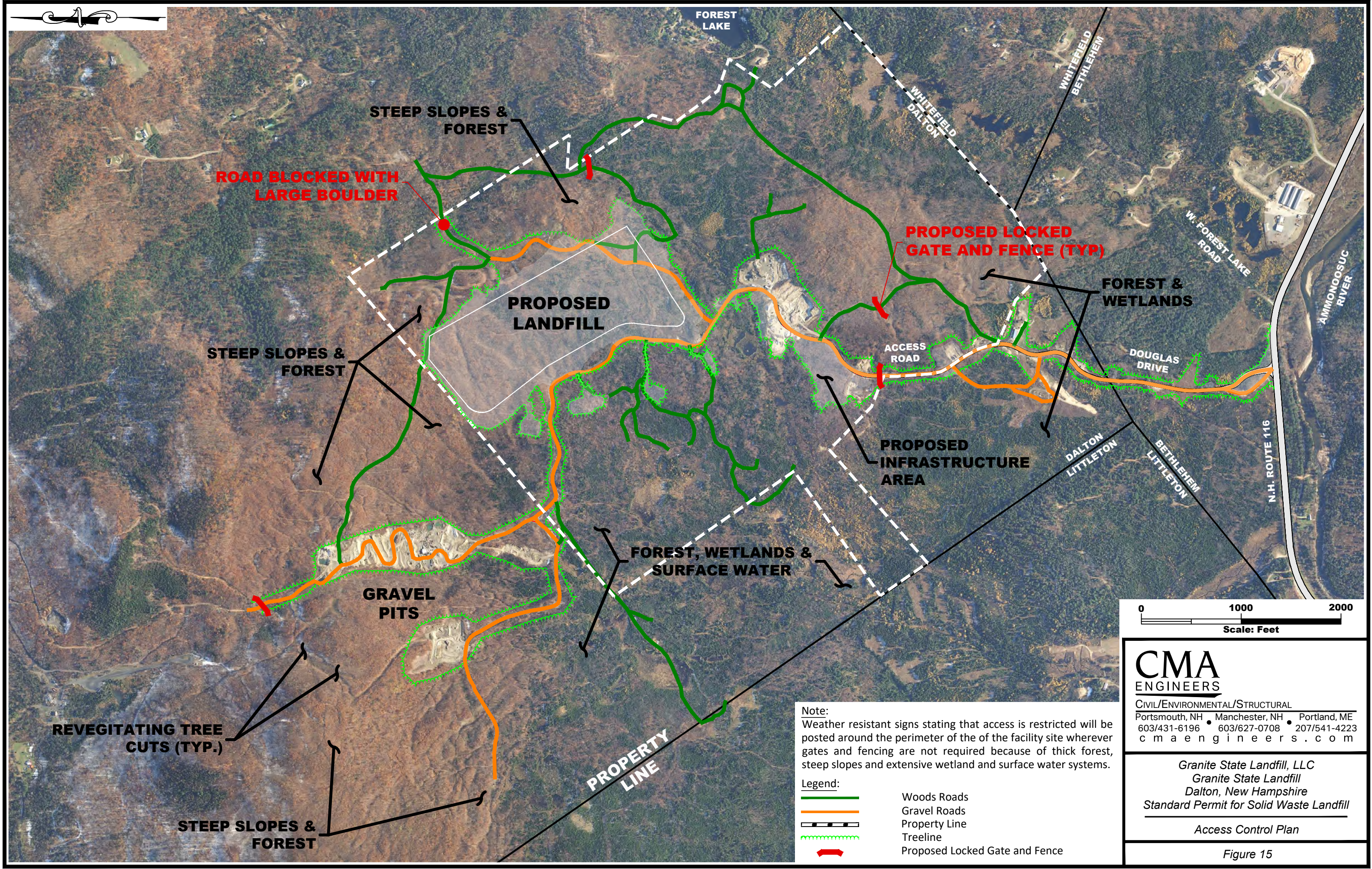







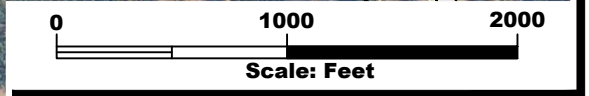
Attachment 5
Project Plans



Note:
 Weather resistant signs stating that access is restricted will be posted around the perimeter of the of the facility site wherever gates and fencing are not required because of thick forest, steep slopes and extensive wetland and surface water systems.

Legend:

	Woods Roads
	Gravel Roads
	Property Line
	Treeline
	Proposed Locked Gate and Fence



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Granite State Landfill, LLC
Granite State Landfill
Dalton, New Hampshire
Standard Permit for Solid Waste Landfill

Access Control Plan

Figure 15

General Construction Sequence Notes:

1. Prepare Stormwater Pollution Prevention Plan (SWPPP) and establish coverage under EPA's Construction General Permit and implement SWPPP training.
2. Complete DigSafe notifications (811 or 888-DIG-SAFE).
3. Establish horizontal and vertical control.
4. Site mobilization.
5. Install perimeter erosion controls including silt fencing, compost sock or ECM Berm. Erosion controls shall be maintained throughout construction.
6. Construct stormwater infiltration basins, stormwater ponds, forebays, and swales. Clearing to be kept to the minimum area practical. Anytime that greater than 5-acres of soil is exposed, an Environmental Monitor (EM) shall be utilized to monitor the site and complete the required reporting in compliance with Section Env-Wq 1505.03(d) of the Aot Rules.
7. Construct improvements at site entrance and Route 116.
8. Construct improvements to Douglas Drive.
9. Construct internal landfill roads, infrastructure area, Stage I, Cell I lined landfill and berm construction.
10. Installation of leachate and landfill gas conveyance and other utilities.
11. Once Engineer has determined the site to be stabilized in compliance with Aot Rules, remove erosion controls and sediment to a location designated by the Owner.
12. Site demobilization and termination of EPA CGP coverage

EXISTING OFF-ROAD SNOW RALLY DRIVING SCHOOL

PROPOSED SITE ENTRANCE GATE

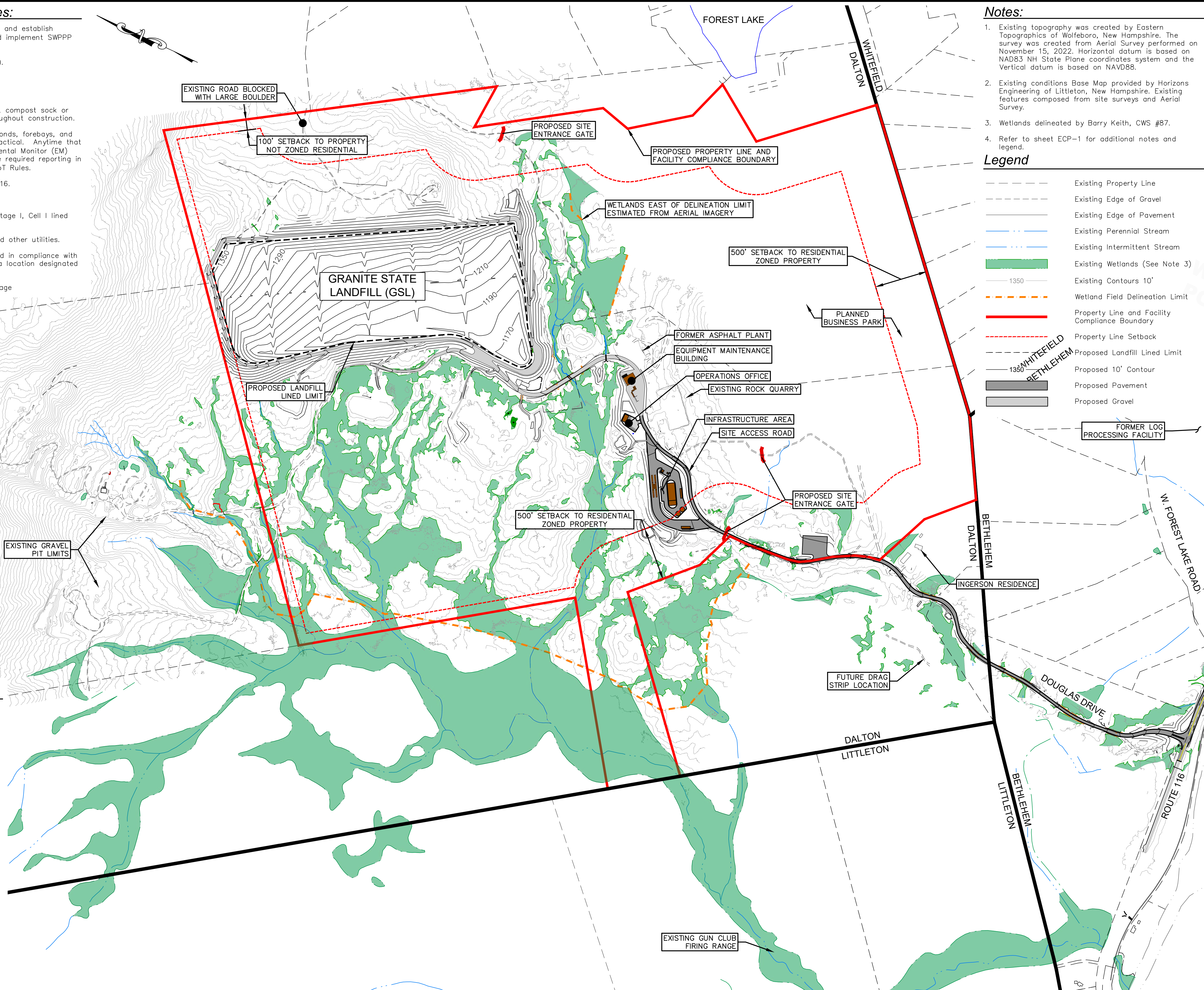
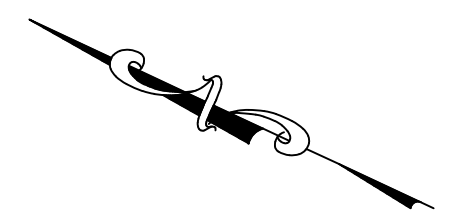
EXISTING GRAVEL PIT LIMITS

Wildlife Protection Notes:

Env-Wq 1504.18 Wildlife Protection Notes.

(a) In addition to the requirements of Env-Wq 1504.06, the plans shall also contain the following wildlife protection notes:

- (1) All observations of threatened or endangered species on the project site shall be reported immediately to the NHF&G nongame and endangered wildlife environmental review program by phone at 603-271-2461 and by email at NHFGreview@wildlife.nh.gov, with the email subject line containing the NHB DataCheck tool results letter assigned number (NHB22-3682), the project name (Granite State Landfill), and the term Wildlife Species Observation;
- (2) Photographs of the observed species and nearby elements of habitat or areas of land disturbance shall be provided to NHF&G in digital format at the above email address for verification, as feasible;
- (3) In the event a threatened or endangered species is observed on the project site during the term of the permit, the species shall not be disturbed, handled, or harmed in any way. The permittee shall consult with NHF&G and implement any corrective actions recommended by NHF&G, if any, to assure the project does not appreciably jeopardize the continued existence of threatened and endangered species as defined in Fis 1002.04; and
- (4) The NHF&G, including its employees and authorized agents, shall have access to the property during the term of the permit.



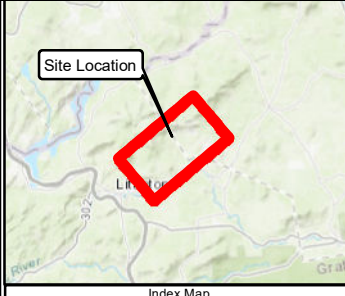
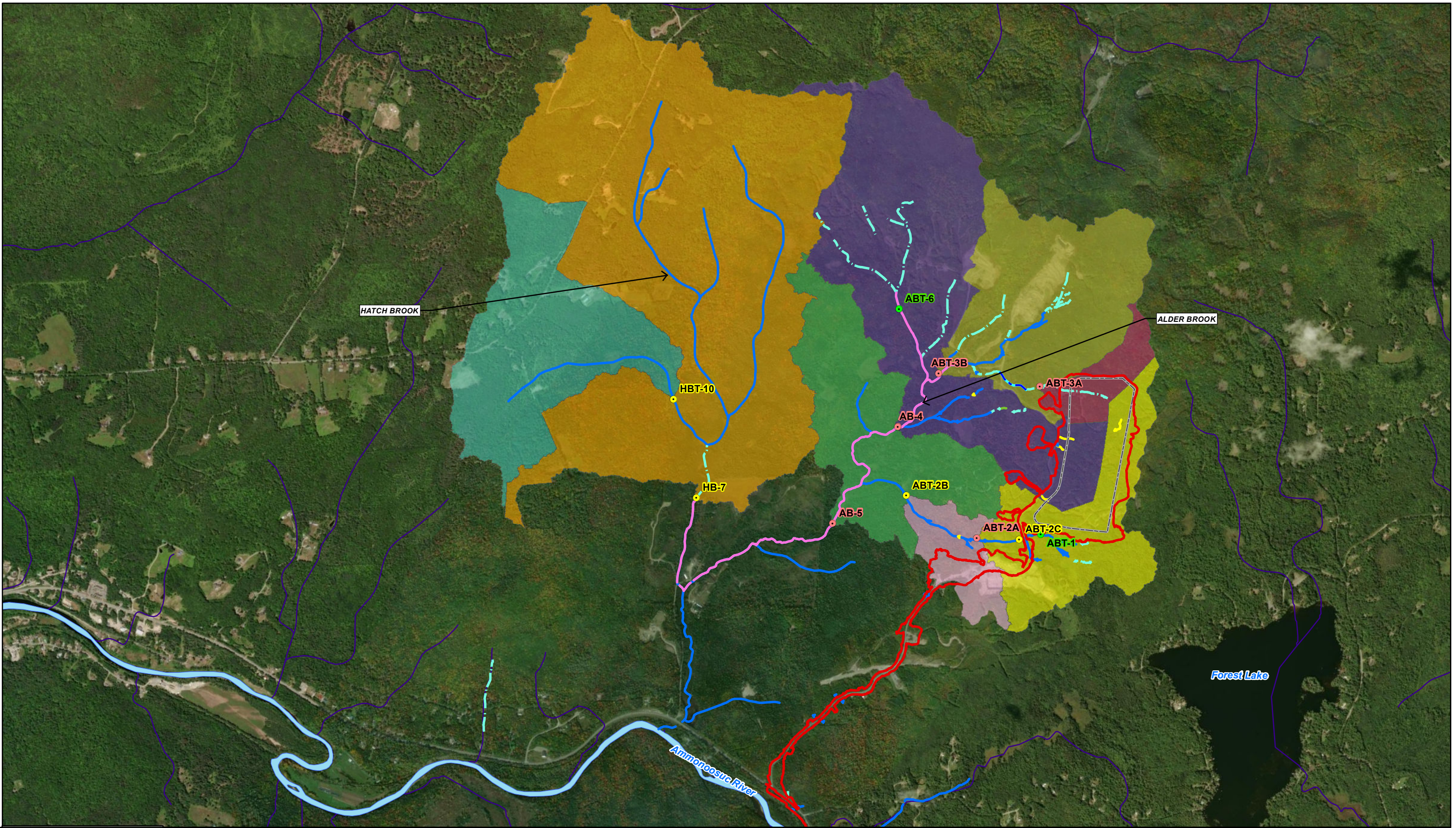
Notes:

1. Existing topography was created by Eastern Topographics of Wolfeboro, New Hampshire. The survey was created from Aerial Survey performed on November 15, 2022. Horizontal datum is based on NAD83 NH State Plane coordinates system and the Vertical datum is based on NAVD88.
2. Existing conditions Base Map provided by Horizons Engineering of Littleton, New Hampshire. Existing features composed from site surveys and Aerial Survey.
3. Wetlands delineated by Barry Keith, CWS #87.
4. Refer to sheet ECP-1 for additional notes and legend.

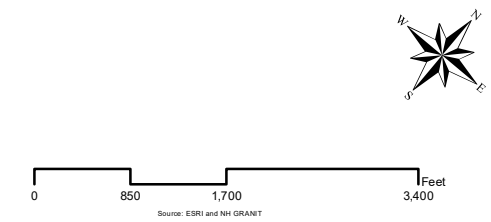
Legend

- Existing Property Line
- Existing Edge of Gravel
- Existing Edge of Pavement
- Existing Perennial Stream
- Existing Intermittent Stream
- Existing Wetlands (See Note 3)
- Existing Contours 10'
- Wetland Field Delineation Limit
- Property Line and Facility Compliance Boundary
- Property Line Setback
- Proposed Landfill Lined Limit
- Proposed 10' Contour
- Proposed Pavement
- Proposed Gravel

<p>CMA ENGINEERS Civil/Environmental/Structural Portsmouth, NH 603/431-6196 Manchester, NH 603/627-0708 Portland, ME 207/641-4223 cmaengineers.com</p>	
<p>Professional Engineer Seal: ADAM SANDOZ, License No. 10000, State of New Hampshire</p>	
<p>date: October 2023</p>	<p>designed by: ATR/UM/SST/ALS</p>
<p>project no: 1101</p>	<p>drawn by: ATR/UM/SST</p>
<p>checked by: ALS</p>	<p>approved by: ALS</p>
<p>Scale: 1" = 450'</p>	
<p>Scale: 1" = 900'</p>	
<p>Granite State Landfill, LLC Dalton, New Hampshire Permitting Plan Set Overall Site Plan</p>	
<p>drawing no: OVSP-1</p>	
<p>sheet: 3 of 50</p>	

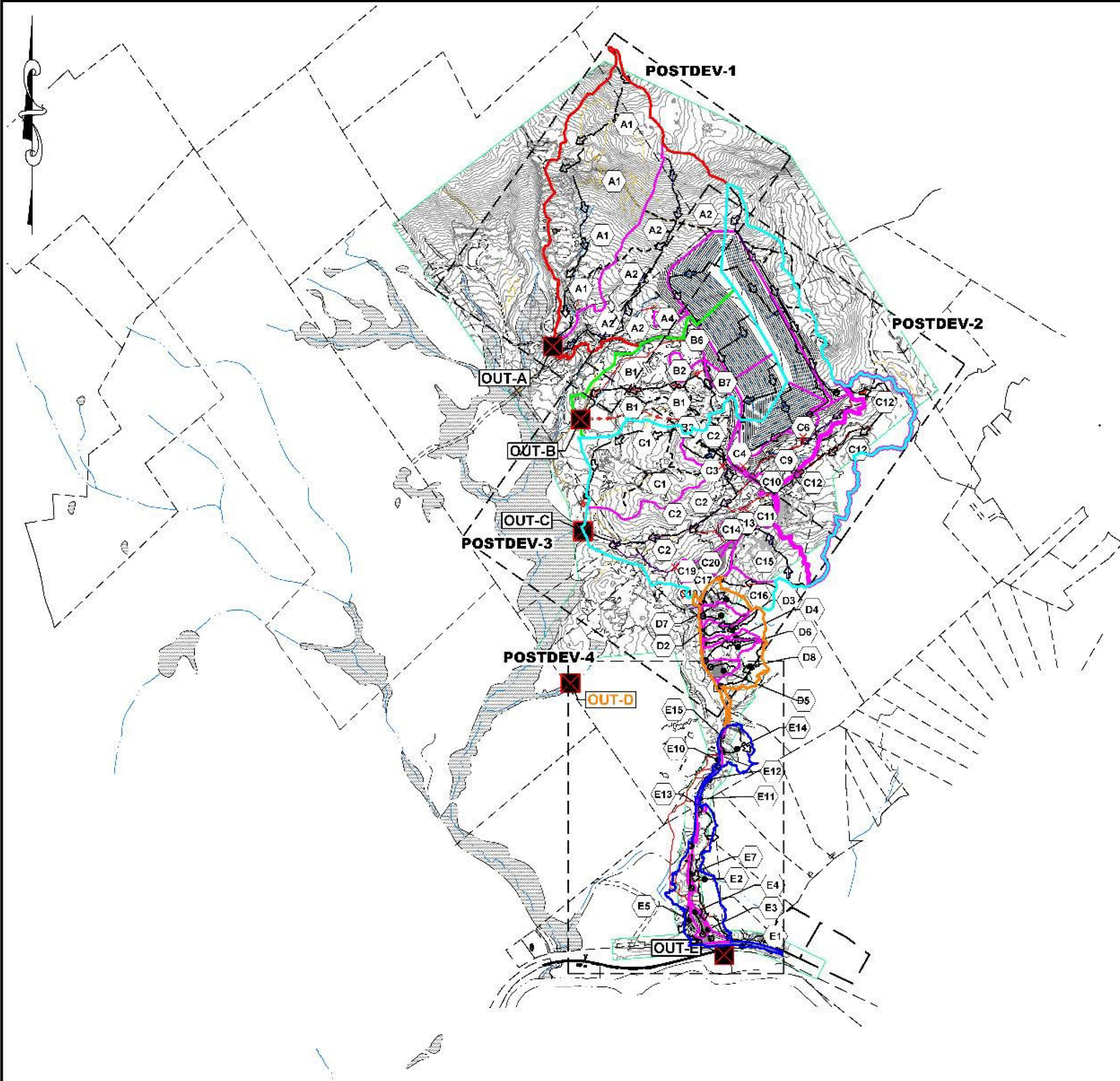


<ul style="list-style-type: none"> ● 2022 Monitoring Station ● 2023 Monitoring Station ● 2022 & 2023 Monitoring Station ~ Brook Trout Present ~ Limit of Disturbance ~ Landfill Footprint 	<ul style="list-style-type: none"> ~ R4UBJ ~ Ephemeral Stream ~ Intermittent Stream ~ Perennial Stream ~ Subsurface Reach ~ NHD Hydrography Flowline ~ NHD Hydrography Polygon 	<ul style="list-style-type: none"> ABT-2A ABT-2B ABT-3A ABT-3B AB-4 AB-5 HB-7 HB-10
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**Granite State Landfill
Watershed Mapping**

I:\Projects\Granite State Landfill\GIS\Map_Series\Map_Series_011720.mxd



POST DEVELOPMENT WATERSHED PLAN LEGEND	
PROPOSED CONTOUR (7')	1100
PROPOSED CONTOUR (10')	1120
CULFALL (OUT) A WATERSHED BOUNDARY	[Red line]
CULFALL (OUT) B WATERSHED BOUNDARY	[Green line]
CULFALL (OUT) C WATERSHED BOUNDARY	[Cyan line]
CULFALL (OUT) D WATERSHED BOUNDARY	[Orange line]
CULFALL (OUT) E WATERSHED BOUNDARY	[Blue line]
SUBCATCHMENT BOUNDARY	[Dashed line]
SUBBASIN ID	[Hexagon symbol]
SUBBASIN TIME OF CONCENTRATION	[Arrow symbol]
MODEL KEY-1	[Red arrow symbol]
IMPERVIOUS SURFACE	[Dark grey hatched]
OUTFALL	[Square symbol]
EXISTING OVERLAND	[Light grey hatched]

NOTES:
 1. FOR CLARITY TO FLOWPATHS WITH TIMES LESS THAN OR APPROXIMATELY 5 MINUTES ARE NOT SHOWN.
 2. DARK GREY IMPERVIOUS SYMBOLIZES PAVEMENT AND LIGHT GREY SYMBOLIZES GRAVEL SURFACES.

OUT-A					
A1	A2	A3	A4		
AREA: 89.3 AC.	AREA: 69.4 AC.	AREA: 16.5 AC.	AREA: 1.3 AC.		
OUT-B					
B1	B2	B3	B4	B5	B6
AREA: 48.2 AC.	AREA: 1.7 AC.	AREA: 0.6 AC.	AREA: 10.4 AC.	AREA: 16.5 AC.	AREA: 3.4 AC.
B7					
AREA: 2.9 AC.					
OUT-C					
C1	C2	C3	C4	C5	C6
AREA: 39.2 AC.	AREA: 61.7 AC.	AREA: 0.8 AC.	AREA: 1.4 AC.	AREA: 12.5 AC.	AREA: 1.3 AC.
C7	C8	C9	C10	C11	C12
AREA: 22.3 AC.	AREA: 24.8 AC.	AREA: 16.3 AC.	AREA: 2.0 AC.	AREA: 1.9 AC.	AREA: 64.1 AC.
C13	C14	C15	C16	C17	C18
AREA: 1.0 AC.	AREA: 0.9 AC.	AREA: 15.9 AC.	AREA: 6.1 AC.	AREA: 0.2 AC.	AREA: 0.3 AC.
C19	C20				
AREA: 1.1 AC.	AREA: 6.0 AC.				
OUT-D					
D1	D2	D3	D4	D5	D6
AREA: 1.4 AC.	AREA: 3.3 AC.	AREA: 6.0 AC.	AREA: 1.8 AC.	AREA: 2.4 AC.	AREA: 3.7 AC.
D7	D8				
AREA: 4.4 AC.	AREA: 5.7 AC.				
OUT-E					
E1	E2	E3	E4	E5	E6
AREA: 1.3 AC.	AREA: 11.1 AC.	AREA: 1.2 AC.	AREA: 1.4 AC.	AREA: 1.8 AC.	AREA: 3.5 AC.
E7	E8	E9	E10	E11	E12
AREA: 0.6 AC.	AREA: 0.6 AC.	AREA: 0.1 AC.	AREA: 0.6 AC.	AREA: 0.6 AC.	AREA: 0.1 AC.
E13	E14	E15			
AREA: 0.1 AC.	AREA: 5.4 AC.	AREA: 0.3 AC.			

designed by: NUN
drawn by: NUN
approved by: AJS

date: July 2023
project no: 1101
checked by: AJS

scale: 1" = 750'
scale: 1" = 750'
scale: 1" = 750'

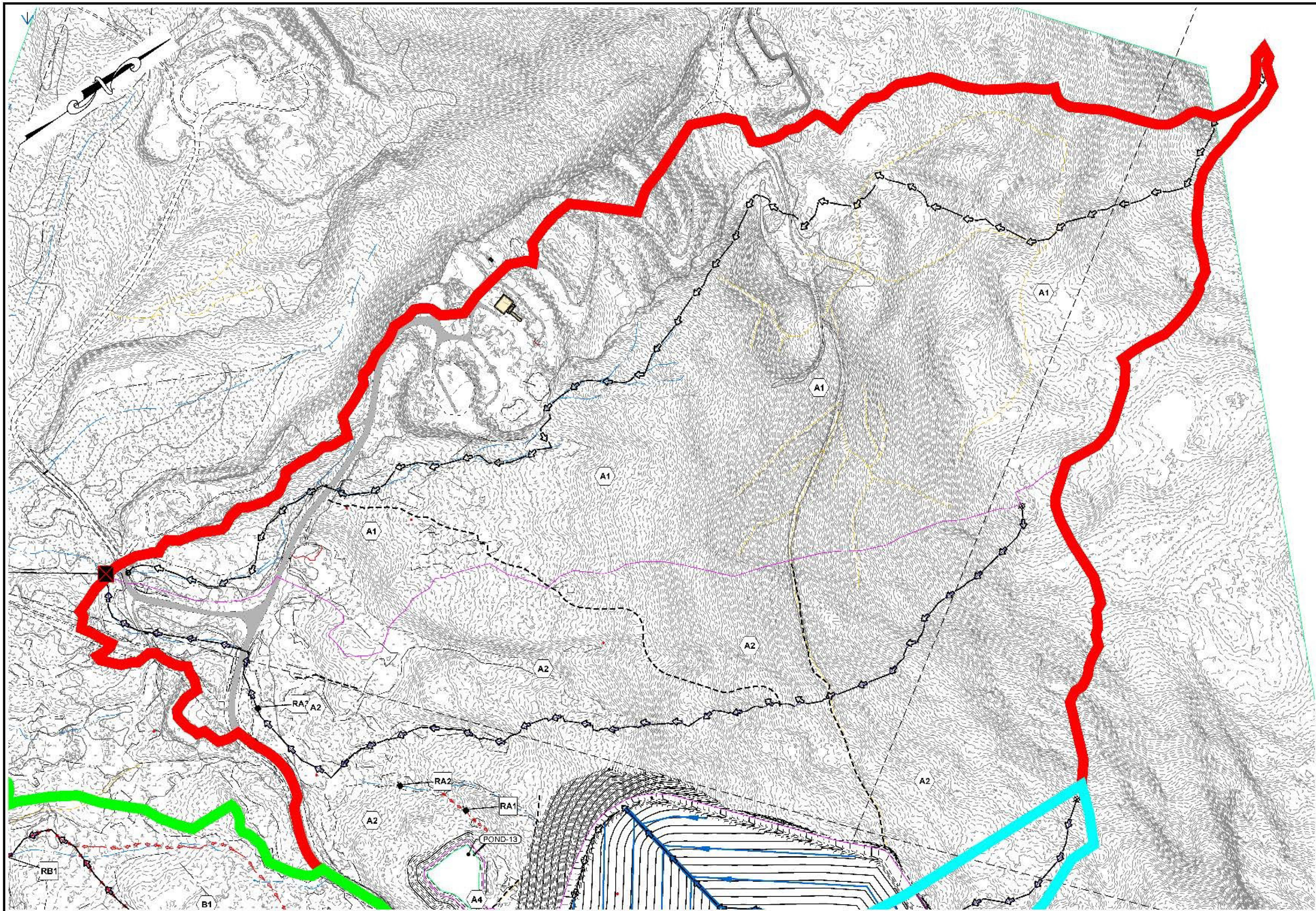
Granite State Landfill, LLC,
Dalton, New Hampshire
NHDES Solid Waste
Permit Application

Post-Development Drainage Diagram
Index

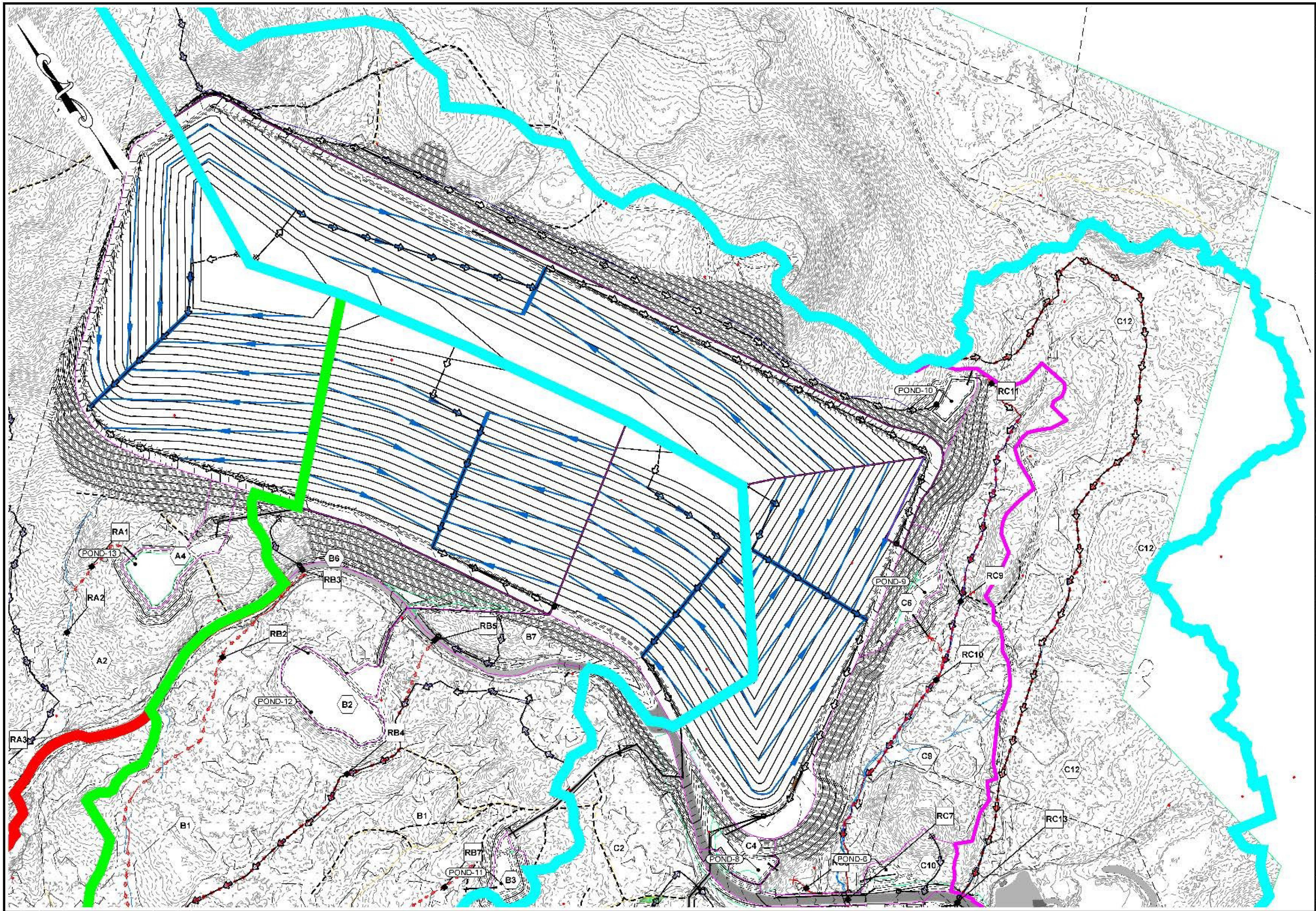
drawing no: POSTDEV-1
sheet: 1 of 5

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Professional Engineer
103849111000

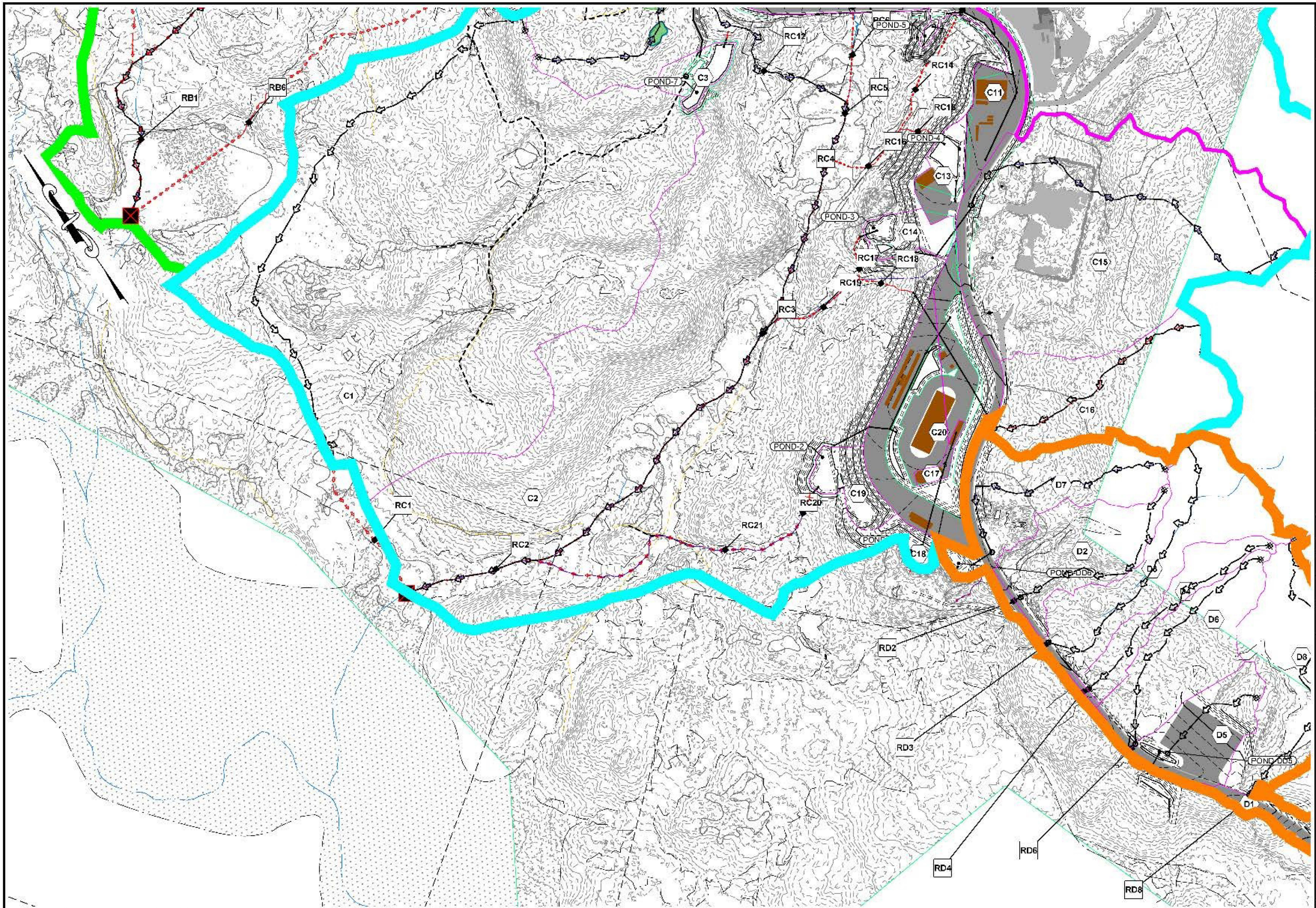
Portland, ME
207-841-2725
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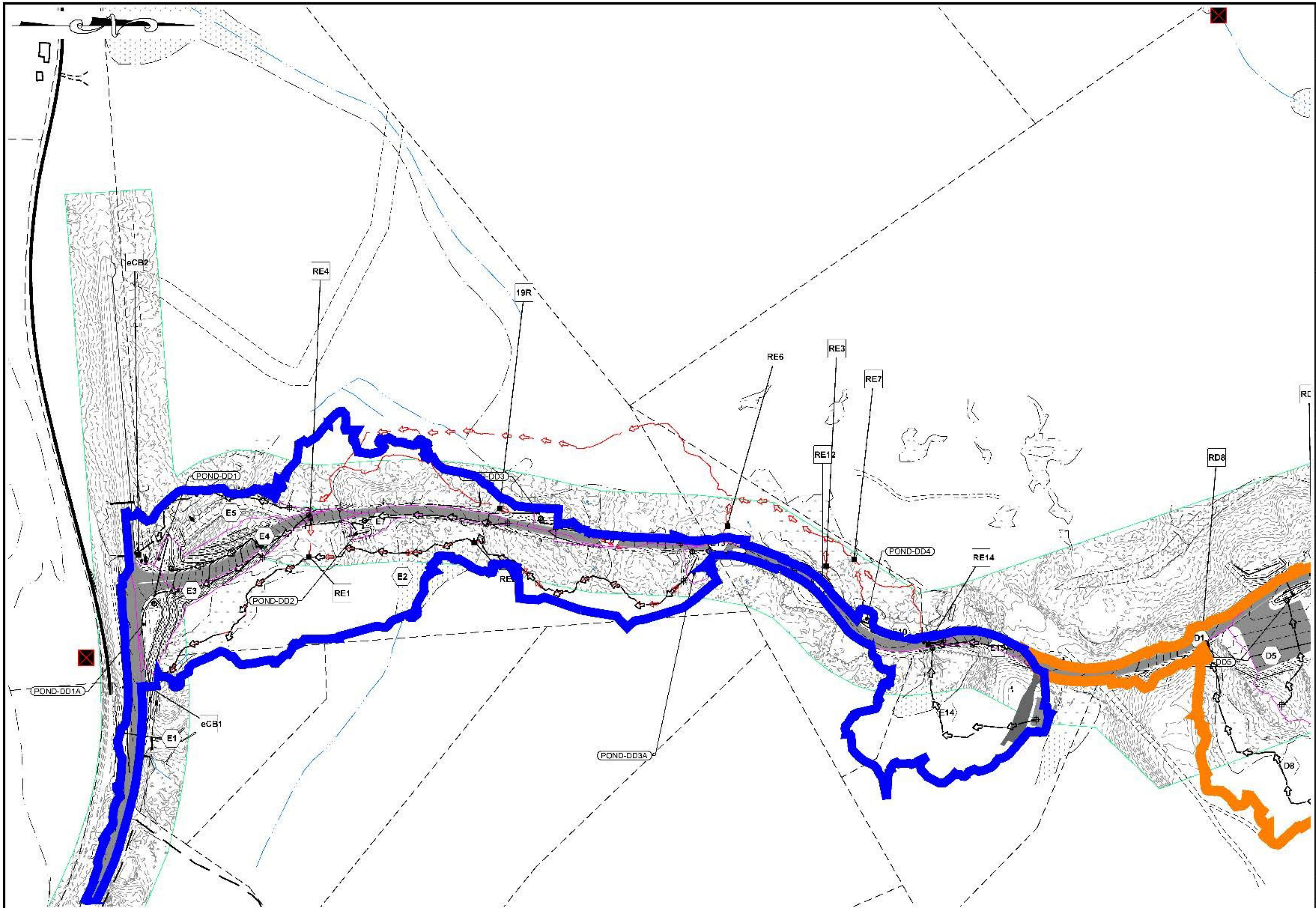
<p>Granite State Landfill, LLC. Dalton, New Hampshire</p> <p>NHDES Solid Waste Permit Application</p> <p>Post-Development Drainage Diagram</p>		<p>designed by: N/J/N</p> <p>drawn by: N/J/N</p> <p>approved by: A/L/S</p>	<p>date: July 2023</p> <p>project no: 1161</p> <p>checked by: A/L/S</p>	<p>scale: 1" = 150'</p> <p>Scale: 1" = 150'</p>
<p>CMA ENGINEERS</p> <p>Civil Engineers - A.S. - N.C.T.S.B.A.</p> <p>Portland, NH • Manchester, NH • Portland, ME</p> <p>603.883.1111 • 603.883.8128 • 207.541.2755</p> <p>cmengineers.com</p>		<p>Professional Engineer Seal: ADAM J. SANDGILL, License No. 10004, State of New Hampshire</p>		
no.	rev.	date	by	
			08/8	



<p>CMA ENGINEERS <small>Civil Engineers - A.S. - N.C.T.S.B.A. Portsmouth, NH • Manchester, NH • Portland, ME 603.431.1111 • 603.882.8128 • 207.541.2755 cmaengineers.com</small></p>		<p>designed by: N.J.N. drawn by: N.J.N. checked by: A.J.S. approved by: A.J.S.</p>	<p>date: July 2023 project no: 1161 sheet no: 3 of 5</p>	<p>scale: 1" = 150' 0 150' 300'</p>
<p>Granite State Landfill, LLC, Dalton, New Hampshire NHDES Solid Waste Permit Application</p>		<p>POSTDEV-3</p>		
<p>Post-Development Drainage Diagram</p>		<p>drawing no. POSTDEV-3</p>		



<p>CMA ENGINEERS <small>Civil Engineers - A.S. - U.S. - U.C.T. USA.</small> Portsmouth, NH • Manchester, NH • Portland, ME 603-883-1111 • 603-883-8100 • 207-631-2725 cmaengineers.com</p>		<p>designed by: N/JN drawn by: N/JN checked by: A/S approved by: A/S</p>	<p>date: July 2023 project no: 1161 sheet no: 4 of 5</p>	<p>scale: 1" = 150' 0 100 200 300</p>	<p>no. 086 rev. 01</p>
<p>Granite State Landfill, LLC. Dalton, New Hampshire NHDES Solid Waste Permit Application</p>		<p>POSTDEV-4</p>			
<p>Post-Development Drainage Diagram</p>		<p>drawing no. POSTDEV-4</p>			



<p>CMA ENGINEERS Civil Engineers: A.S. - R.C. L.P.A. Portsmouth, NH • Manchester, NH • Portland, ME 603.883.1111 • 603.883.1111 • 207.541.2125 c m e n g i n e e r s . c o m</p>	
<p>Granite State Landfill, LLC. Dalton, New Hampshire NHDES Solid Waste Permit Application Post-Development Drainage Diagram Douglas Drive</p>	
<p>date: July 2023</p>	<p>designed by: MJK</p>
<p>project no: 1161</p>	<p>drawn by: MJK</p>
<p>checked by: A.S.</p>	<p>approved by: A.S.</p>
<p>scale: 1" = 150'</p>	
<p>sheet: 5 of 5</p>	
<p>drawing no: POSTDEV-5</p>	