

PRE-DEVELOPMENT WATERSHED PLAN LEGEND	
ABUTTERS PROPERTY LINE	---
EXISTING CONTOUR (10')	--- 1100 ---
OUTFALL (OUT) A WATERSHED BOUNDARY	—
OUTFALL (OUT) B WATERSHED BOUNDARY	—
OUTFALL (OUT) C WATERSHED BOUNDARY	—
OUTFALL (OUT) D WATERSHED BOUNDARY	—
OUTFALL (OUT) E WATERSHED BOUNDARY	—
SUBCATCHMENT BOUNDARY	—
SUBBASIN ID	⬡
MODEL REACH	→→→→→
SUBBASIN TIME OF CONCENTRATION	→→→→→
IMPERVIOUS SURFACE	■
OUTFALL	⊠
EXISTING WETLAND	■

- NOTES:  
 1. FOR CLARITY TO FLOW PATHS WITH TIMES LESS THAN OR APPROXIMATELY 6 MINUTES ARE NOT SHOWN.  
 2. DARK GREY IMPERVIOUS SYMBOLIZES PAVEMENT AND LIGHT GREY SYMBOLIZES GRAVEL SURFACES.

**OUT-A**

⬡ A1 AREA: 89.3 AC    ⬡ A2 AREA: 92.8 AC

**OUT-B**

⬡ B1 AREA: 50.9 AC    ⬡ B2 AREA: 51.5 AC    ⬡ B3 AREA: 10.5 AC

**OUT-C**

⬡ C1 AREA: 39.3 AC    ⬡ C2 AREA: 90.8 AC    ⬡ C3 AREA: 106.9 AC

**OUT-D**

⬡ D1 AREA: 1.8 AC    ⬡ D2 AREA: 3.3 AC    ⬡ D3 AREA: 4.9 AC    ⬡ D4 AREA: 1.8 AC    ⬡ D5 AREA: 0.1 AC    ⬡ D6 AREA: 5.1 AC

⬡ D7 AREA: 1.2 AC    ⬡ D8 AREA: 6.7 AC

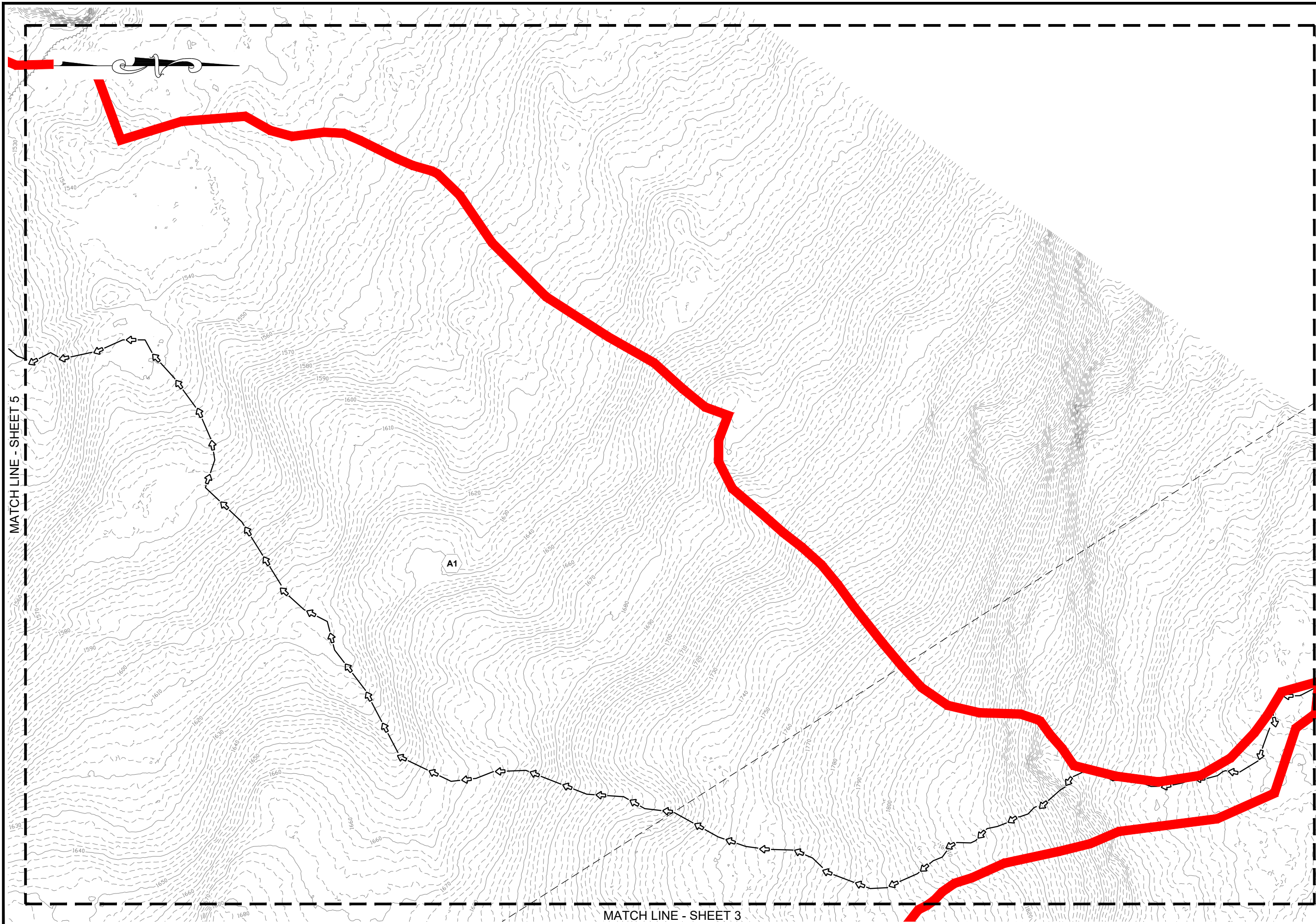
**OUT-E**

⬡ E1 AREA: 1.3 AC    ⬡ E2 AREA: 15.0 AC    ⬡ E3 AREA: 1.7 AC    ⬡ E4 AREA: 4.1 AC    ⬡ E5 AREA: 0.1 AC    ⬡ E6 AREA: 0.8 AC

⬡ E7 AREA: 5.4 AC

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		designed by: NJM	drawn by: NJM
date: January 2024	project no: 1101	checked by: AJS	approved by: AJS
Granite State Landfill, LLC. Dalton, New Hampshire NHDES Alteration of Terrain Permit Application		Pre-Development Drainage Diagram Index	
drawing no. <b>PREDEV-1</b>			
sheet: 1 of 29		scale: 750' = 1"	scale: 1500' = 1"



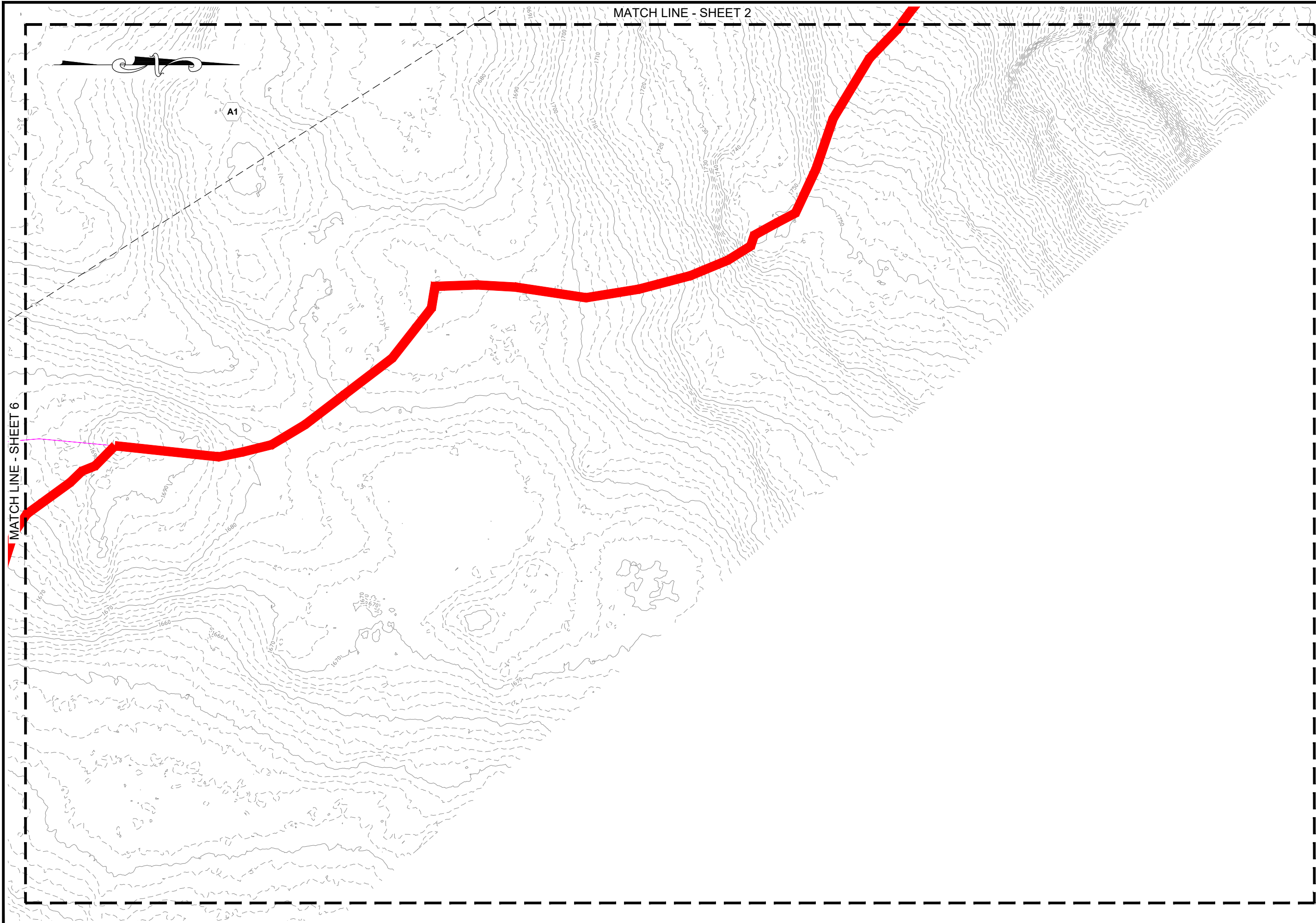




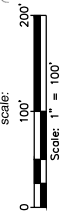
MATCH LINE - SHEET 5

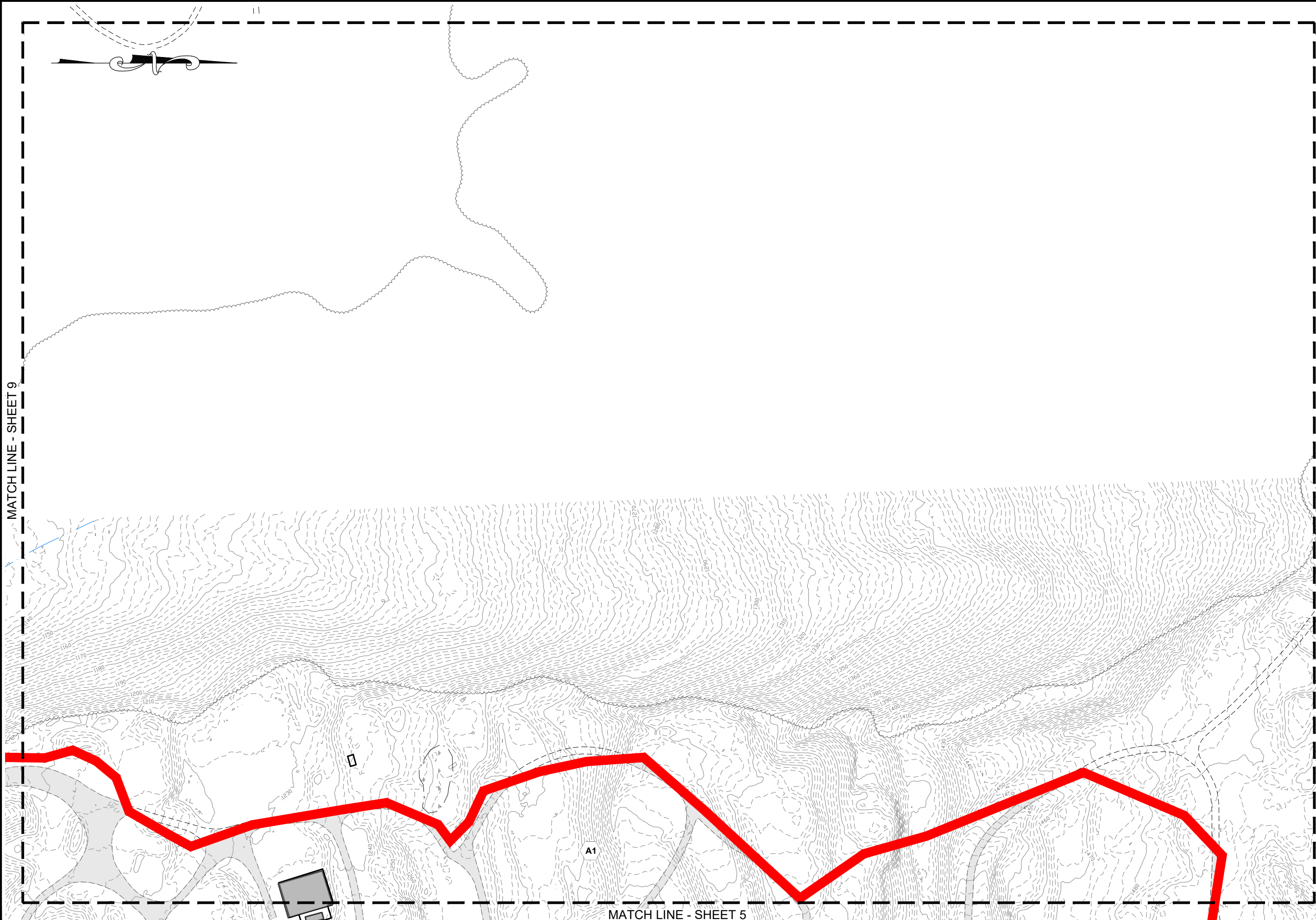
MATCH LINE - SHEET 3

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<p>STATE OF NEW HAMPSHIRE          NICHOLAS J. MESSINA          No. 17552          LICENSED PROFESSIONAL ENGINEER</p>		
<p>date: January 2024</p>	<p>designed by: NJM</p>	<p>scale: 1" = 100'</p>
<p>project no: 1101</p>	<p>drawn by: NJM</p>	<p>scale: 100'</p>
<p>checked by: ALS</p>	<p>approved by: ALS</p>	<p>scale: 200'</p>
<p>Granite State Landfill, LLC.          Dalton, New Hampshire          NHDES Alteration of Terrain          Permit Application          Pre-Development Drainage Plan          Sheet 2</p>		
<p>drawing no. PREDEV-2</p>		
<p>sheet: 2 of 29</p>		





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date: January 2024	project no: 1101	checked by: <small>ALS</small>	Granite State Landfill, LLC. Dalton, New Hampshire NHDES Alteration of Terrain Permit Application Pre-Development Drainage Plan Sheet 3			
drawing no. <b>PREDEV-3</b>						sheet: 3 of 29

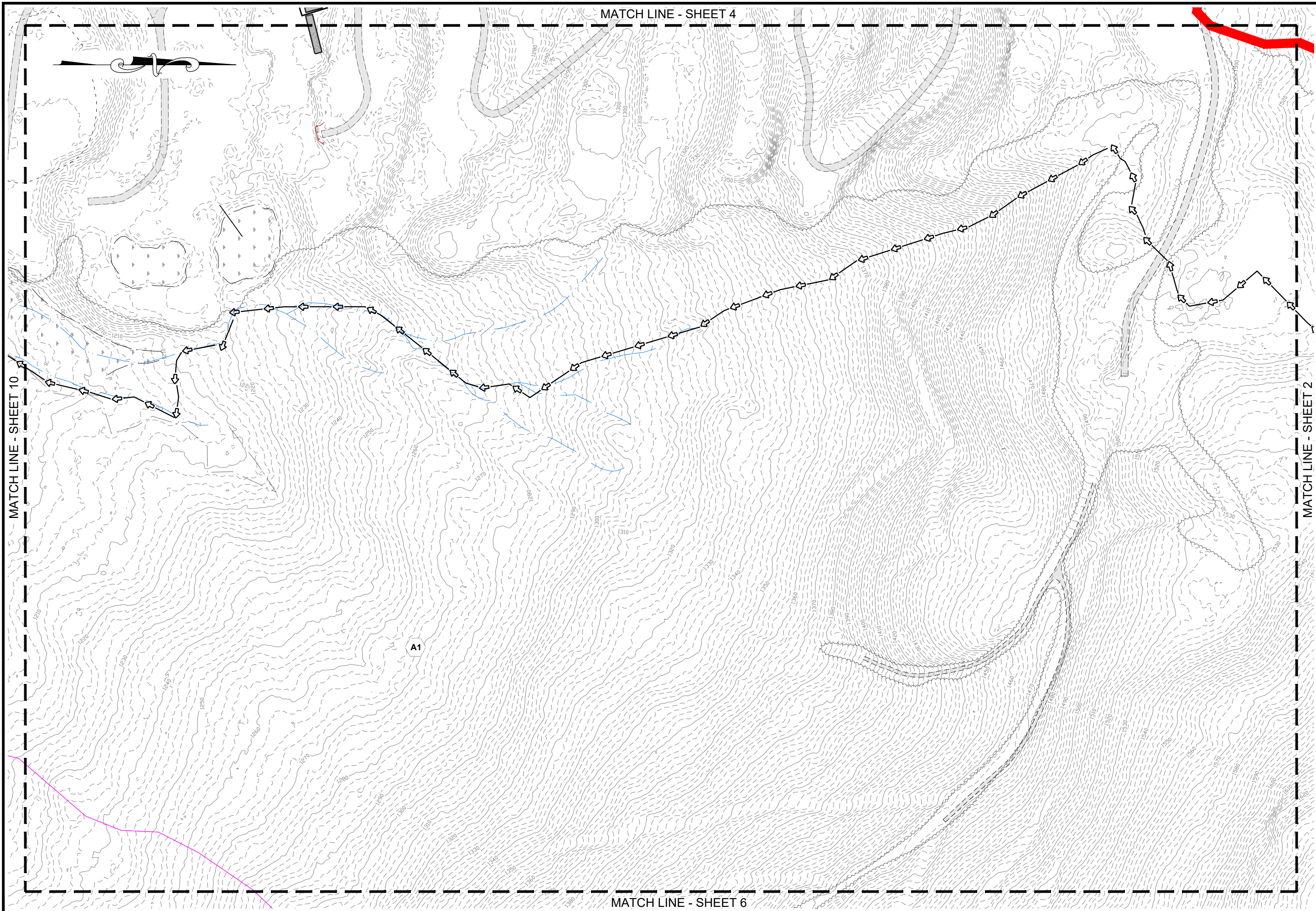


MATCH LINE - SHEET 9

MATCH LINE - SHEET 5

<p><b>Granite State Landfill, LLC.</b> Dalton, New Hampshire</p>		<p>designed by: NJM</p>	<p>drawn by: NJM</p>	<p>approved by: ALS</p>
<p><b>NHDES Alteration of Terrain Permit Application</b></p>		<p>date: January 2024</p>	<p>project no.: 1101</p>	<p>checked by: ALS</p>
<p><b>Pre-Development Drainage Plan Sheet 4</b></p>		<p>scale: 1" = 100' 0 100' 200'</p>		
<p>Drawing no. <b>PREDEV-4</b></p>		<p>sheet: 4 of 29</p>		
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		no.	revision	by





MATCH LINE - SHEET 10

MATCH LINE - SHEET 4

MATCH LINE - SHEET 2

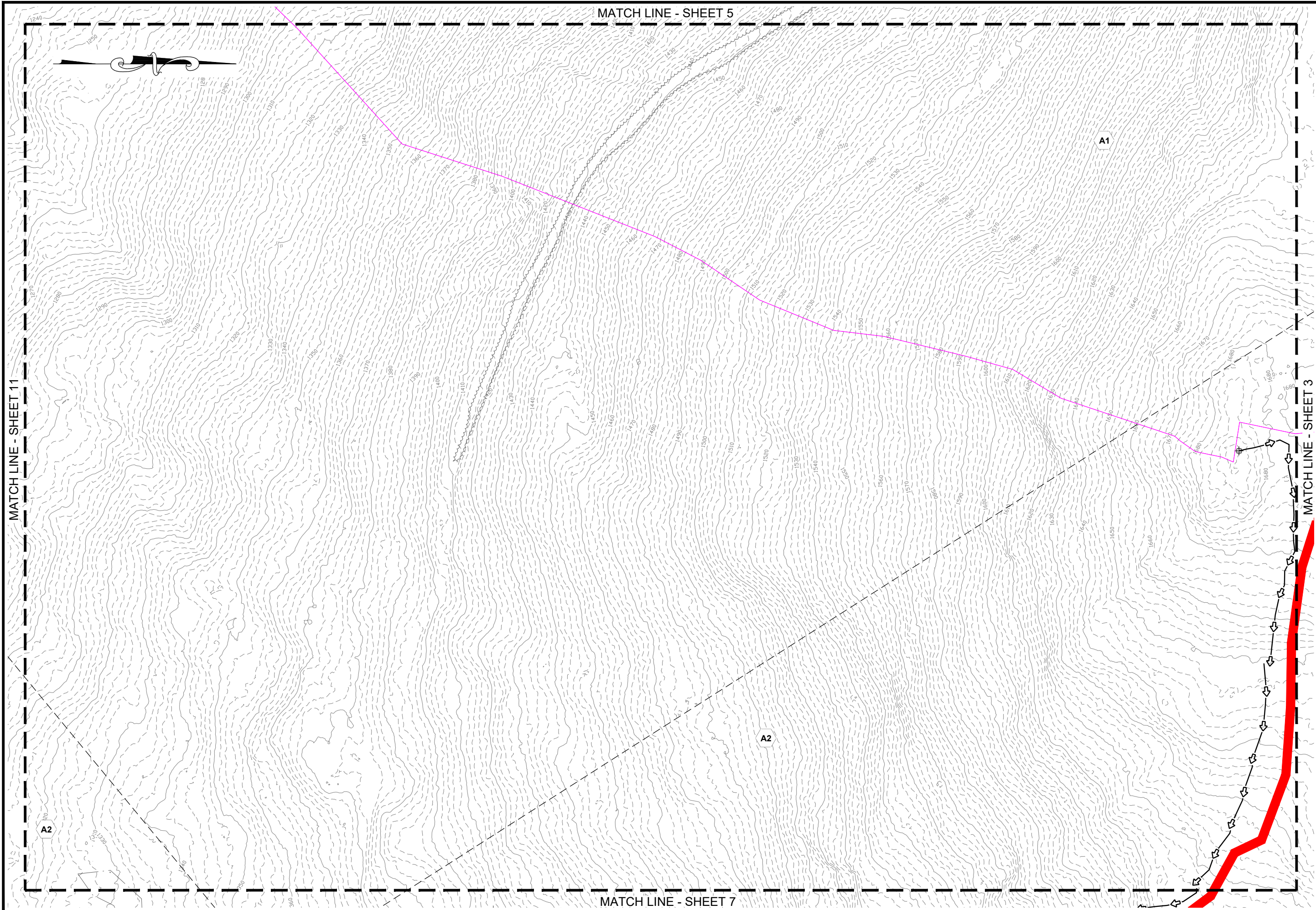
MATCH LINE - SHEET 6

<p><b>Granite State Landfill, LLC.</b>          Dalton, New Hampshire</p>		<p>designed by: NJM</p>	<p>date: January 2024</p>
<p><b>NHDES Alteration of Terrain</b>          Permit Application</p>		<p>drawn by: NJM</p>	<p>project no: 1101</p>
<p><b>Pre-Development Drainage Plan</b>          Sheet 5</p>		<p>checked by: ALS</p>	<p>approved by: ALS</p>
<p>drawing no. <b>PREDEV-5</b></p>		<p>scale: 1" = 100' 0 100' 200'</p>	
<p>sheet: 5 of 29</p>		<p>no. revision date by</p>	

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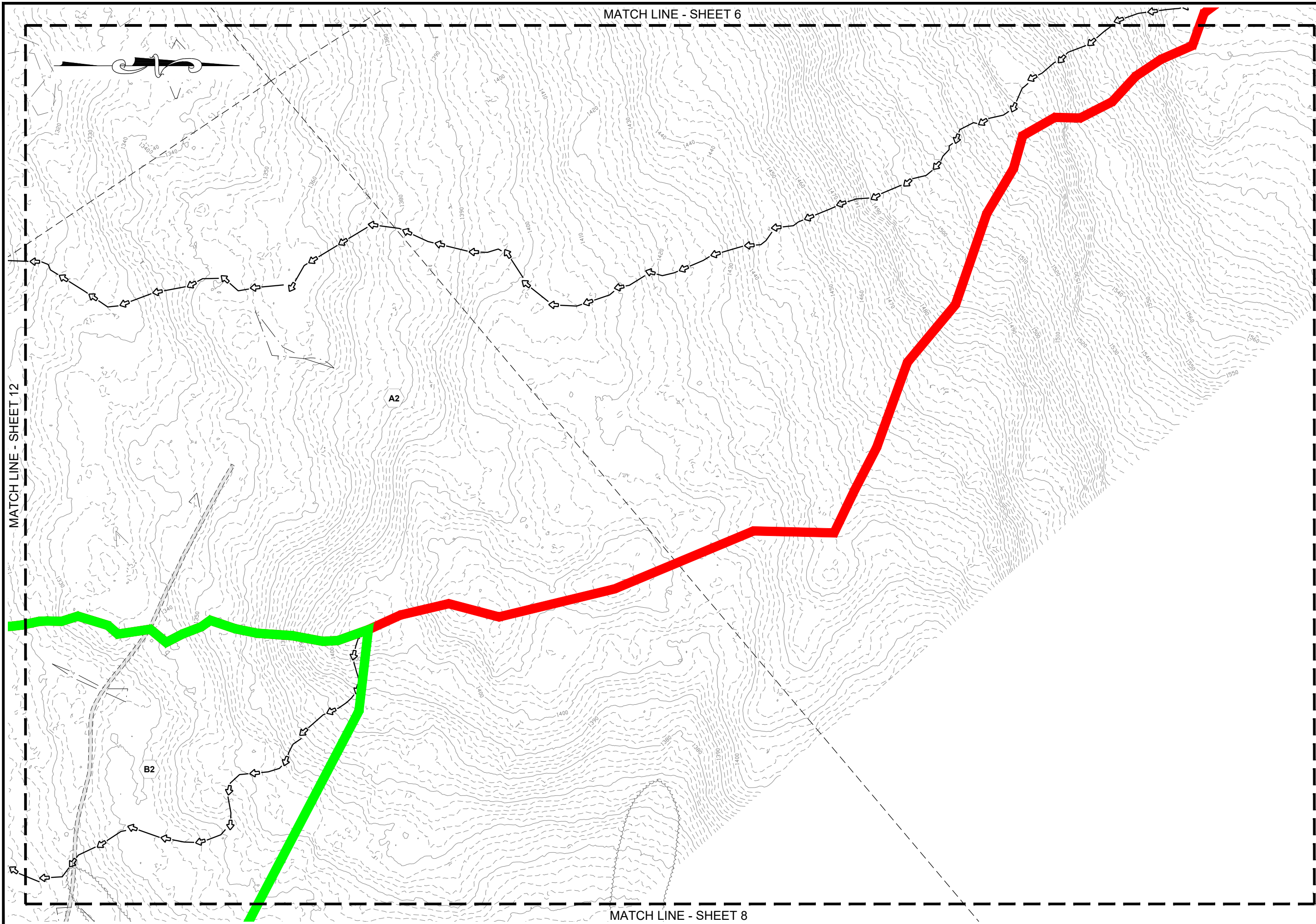
STATE OF NEW HAMPSHIRE  
 NICHOLAS J. MESSINA  
 No. 17552  
 LICENSED PROFESSIONAL ENGINEER





<p><b>Granite State Landfill, LLC.</b>          Dalton, New Hampshire          NHDES Alteration of Terrain          Permit Application          Pre-Development Drainage Plan          Sheet 6</p>		<p>date: January 2024          project no: 1101          checked by: ALS</p>	<p>designed by: NJM          drawn by: NJM          approved by: ALS</p>	<p>scale: 1" = 100'          100'          200'</p>
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<p>drawing no.  <b>PREDEV-6</b></p>		<p>sheet: 6 of 29</p>		





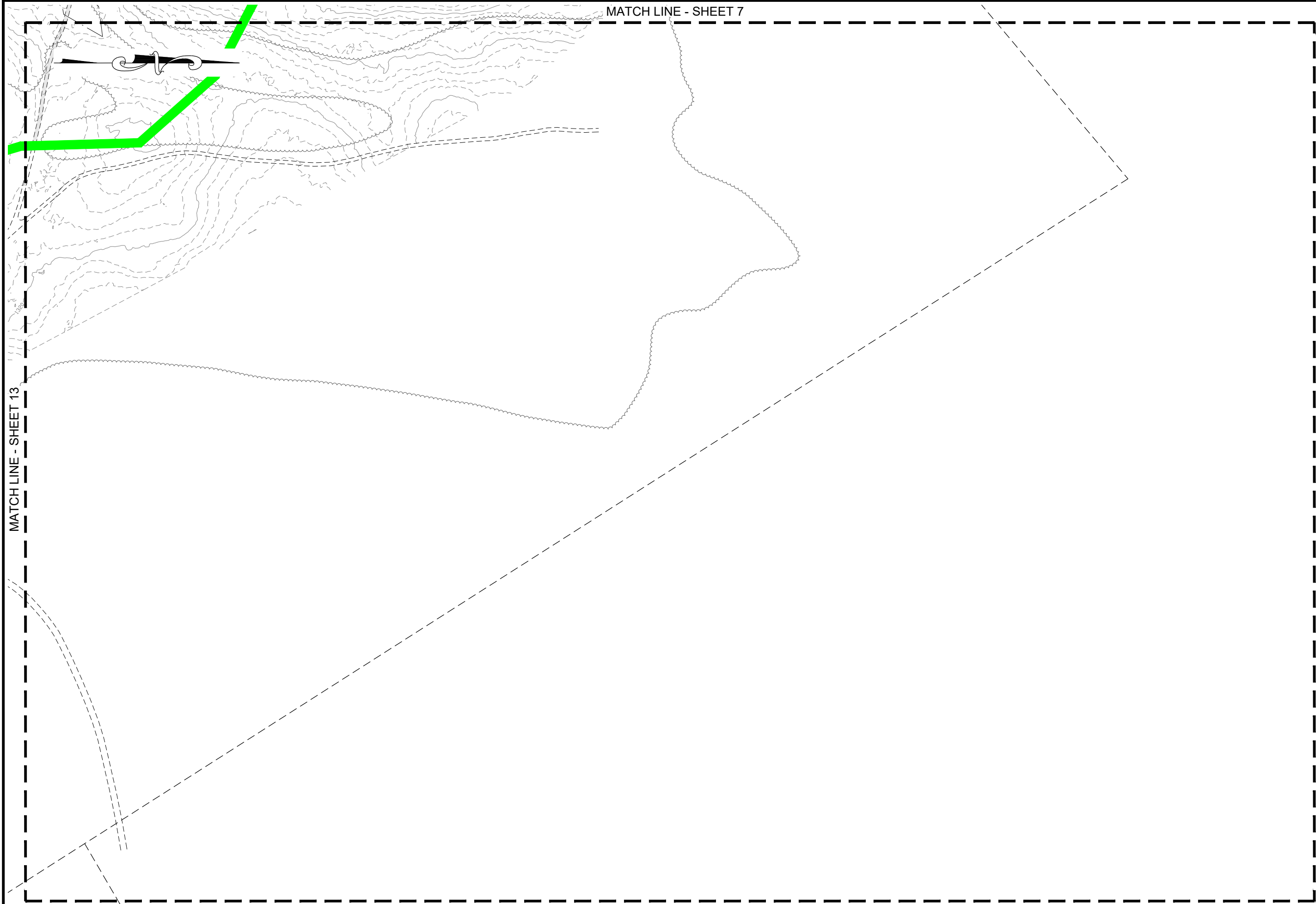


MATCH LINE - SHEET 6

MATCH LINE - SHEET 12

MATCH LINE - SHEET 8

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date: January 2024	designed by: NJM	project no: 1101	drawn by: NJM
checked by: ALS	approved by: ALS	scale: 1" = 100' 200'	
Granite State Landfill, LLC. Dalton, New Hampshire		NHDES Alteration of Terrain Permit Application	
Pre-Development Drainage Plan Sheet 7		drawing no. <b>PREDEV-7</b>	
sheet: 7 of 29		no. revision date by	

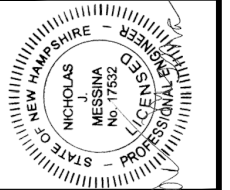


MATCH LINE - SHEET 7

MATCH LINE - SHEET 13

no.	revision	date	by

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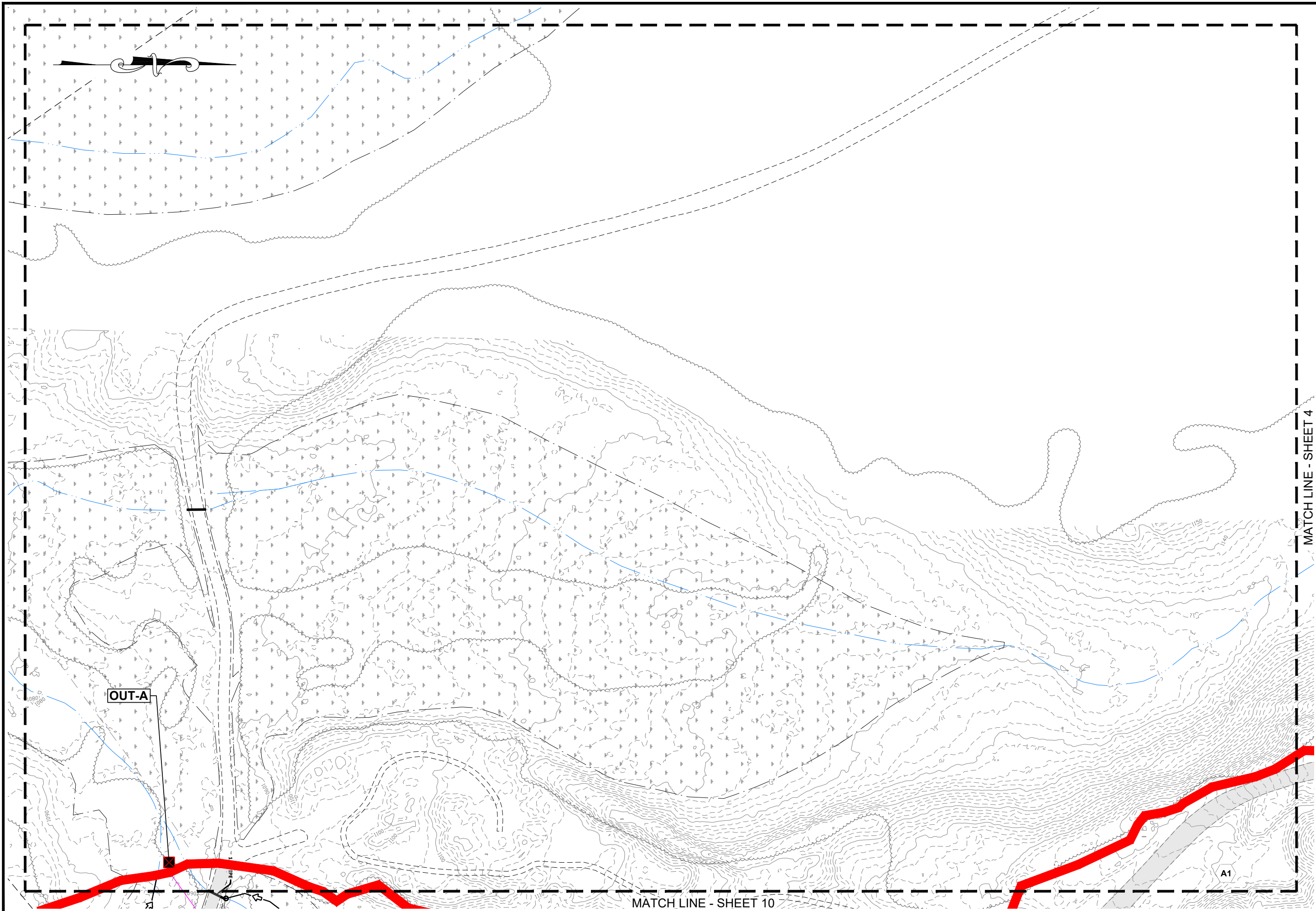


date: January 2024	designed by: NJM	<p>Scale: 1" = 100'</p>
project no: 1101	drawn by: NJM	
checked by: AJS	approved by: AJS	

**Granite State Landfill, LLC.**  
 Dalton, New Hampshire  
 NHDES Alteration of Terrain  
 Permit Application  
 Pre-Development Drainage Plan  
 Sheet 8

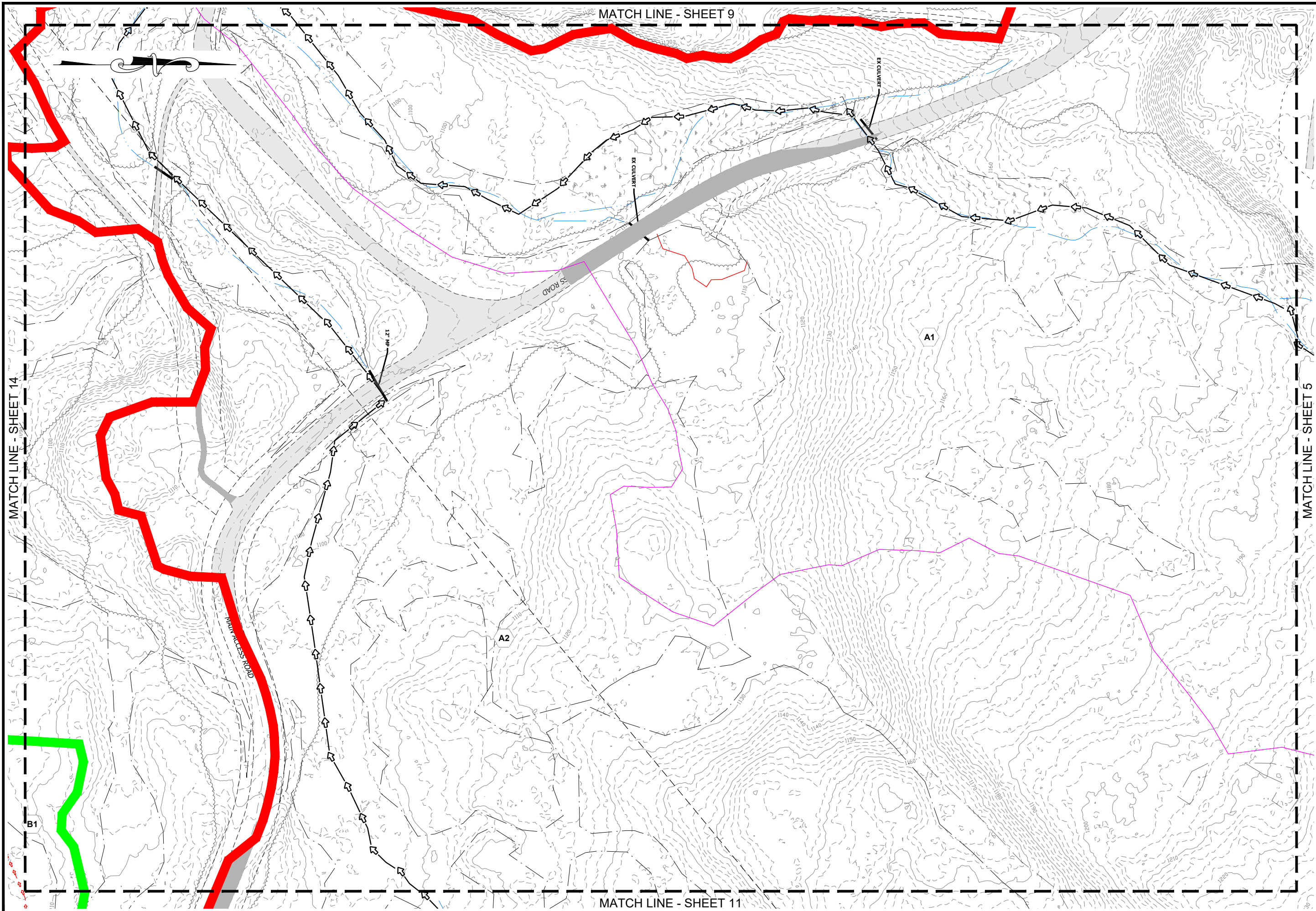
drawing no.  
**PREDEV-8**





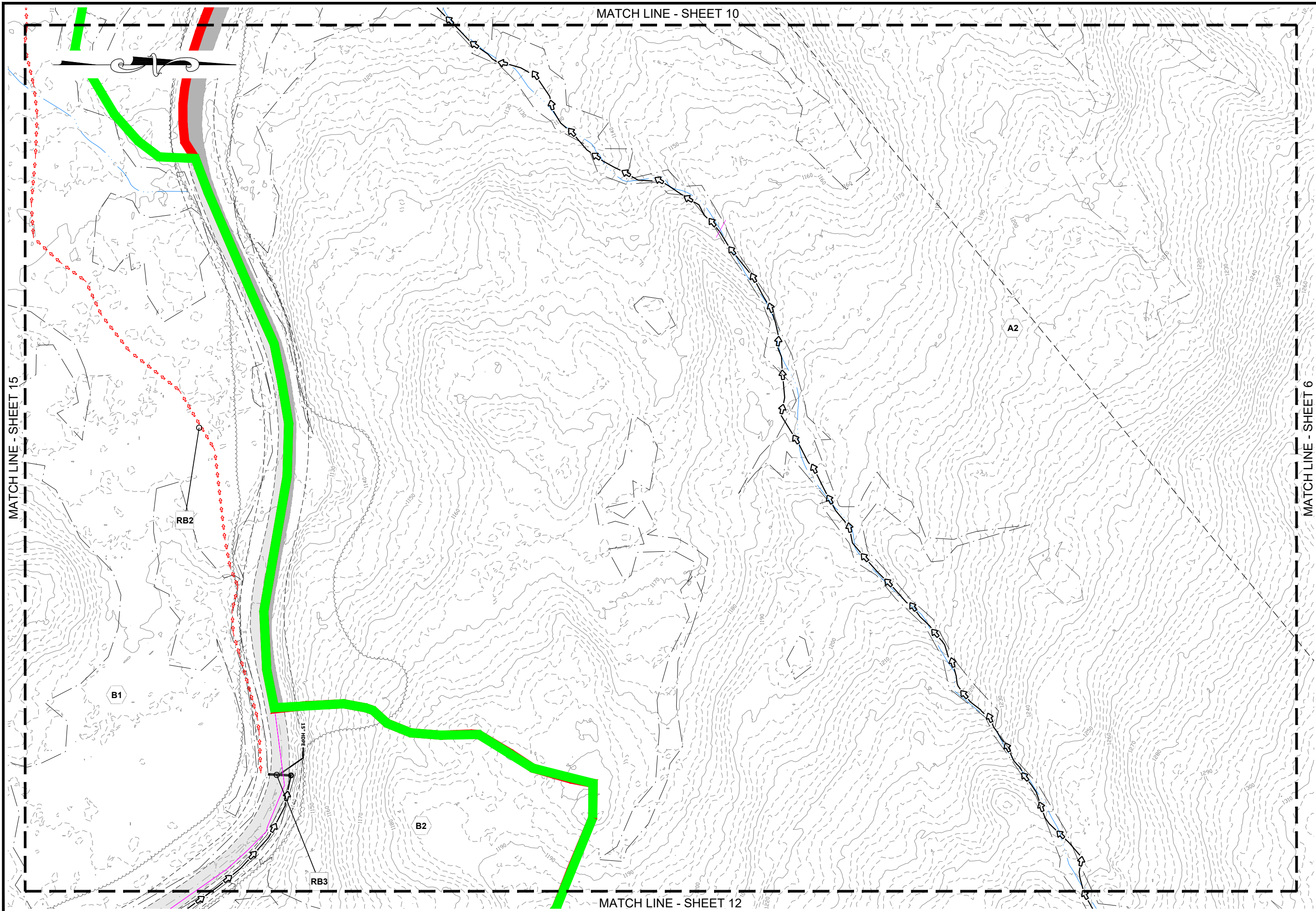
<b>Granite State Landfill, LLC.</b> Dalton, New Hampshire NHDES Alteration of Terrain Permit Application Pre-Development Drainage Plan Sheet 9		date: January 2024 project no: 1101 checked by: AUS		designed by: NJM drawn by: NJM approved by: AUS		scale: 1" = 100' 0 100' 200'
drawing no: <b>PREDEV-9</b>		no. revision by date		no. revision by date		
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<p>Granite State Landfill, LLC.          Dalton, New Hampshire          NHDES Alteration of Terrain          Permit Application          Pre-Development Drainage Plan          Sheet 10</p>				<p>drawing no.  <b>PREDEV-10</b></p>		<p>sheet: 10 of 29</p>					



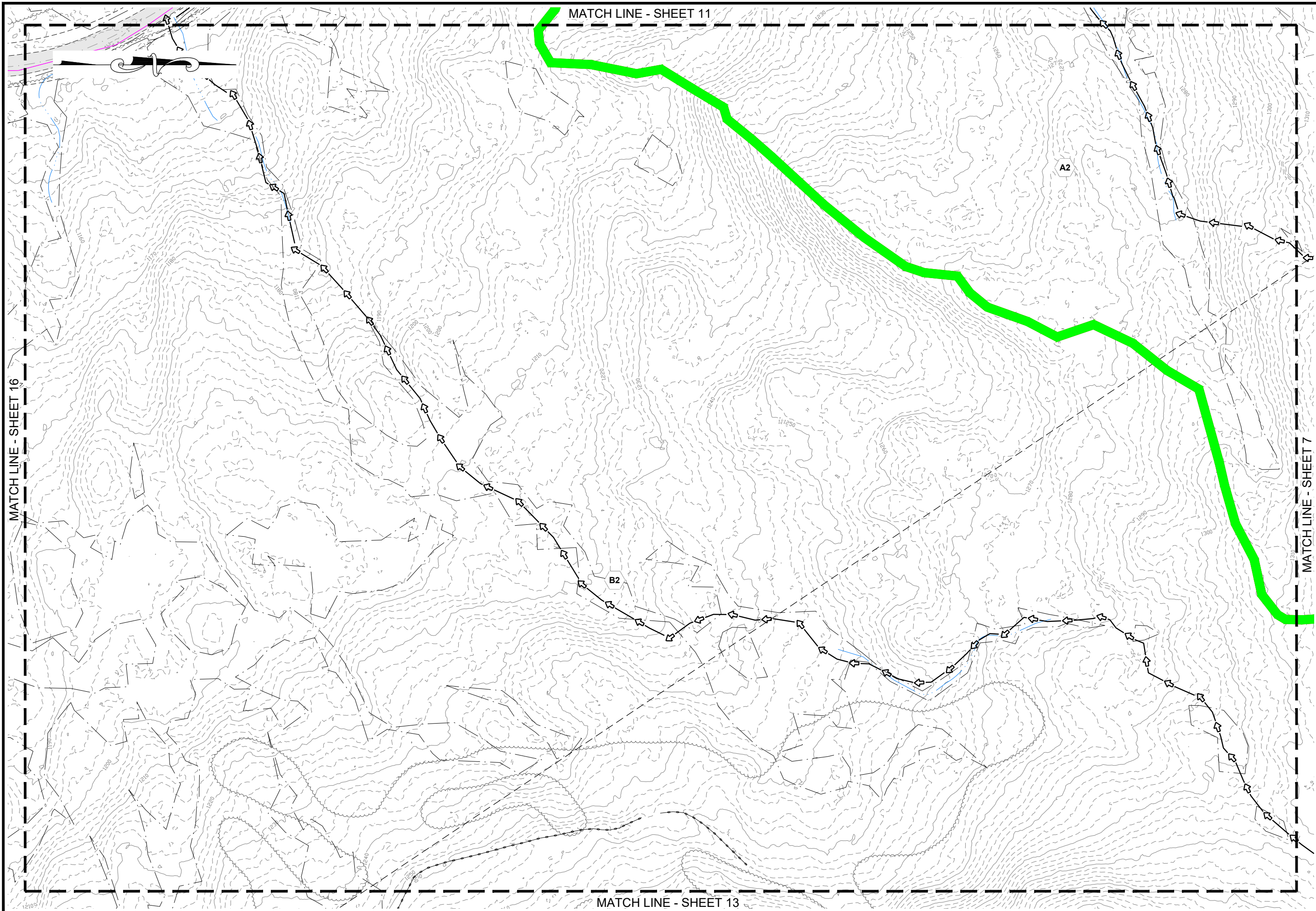


<p><b>Granite State Landfill, LLC.</b> Dalton, New Hampshire</p>		<p>designed by: NJM</p>	<p>scale: 1" = 100'</p>
<p>NHDES Alteration of Terrain Permit Application</p>		<p>drawn by: NJM</p>	<p>scale: 1" = 200'</p>
<p>Pre-Development Drainage Plan Sheet 11</p>		<p>checked by: ALS</p>	<p>approved by: ALS</p>
<p>drawing no. <b>PREDEV-11</b></p>		<p>date: January 2024</p>	
<p>sheet: 11 of 29</p>		<p>project no.: 1101</p>	
<p>no.:</p>		<p>revision:</p>	
<p>no.:</p>		<p>date:</p>	
<p>no.:</p>		<p>date:</p>	

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NICHOLAS J. MESSINA  
No. 17552  
STATE OF NEW HAMPSHIRE





MATCH LINE - SHEET 16

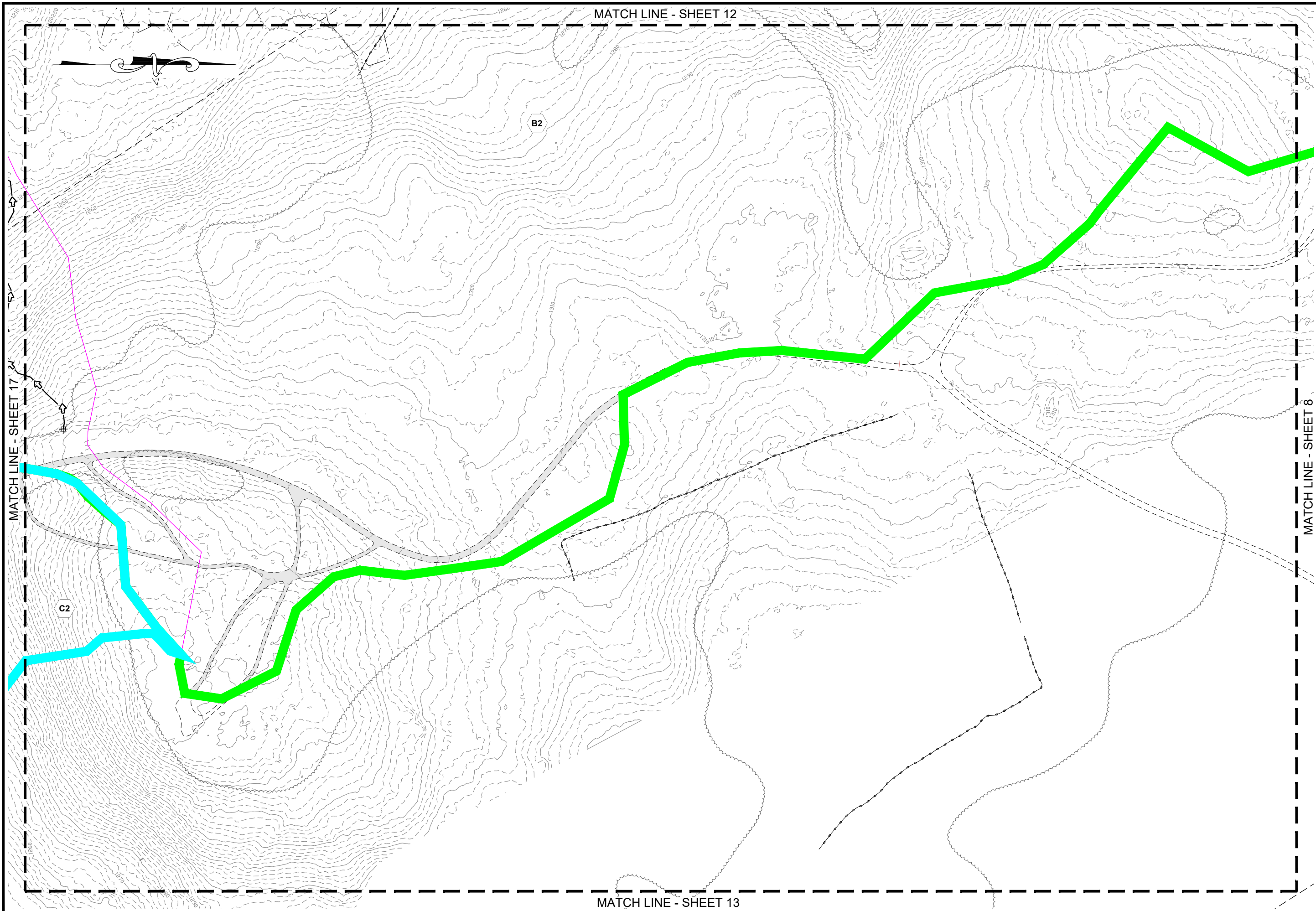
MATCH LINE - SHEET 11

MATCH LINE - SHEET 7

MATCH LINE - SHEET 13

<p><b>Granite State Landfill, LLC.</b>          Dalton, New Hampshire          NHDES Alteration of Terrain          Permit Application          Pre-Development Drainage Plan          Sheet 12</p>		<p>date: January 2024          project no: 1101          checked by: ALS</p>	<p>designed by: NJM          drawn by: NJM          approved by: ALS</p>	<p>scale: 1" = 100'          0 100' 200'</p>
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<p>drawing no. <b>PREDEV-12</b></p>		<p>sheet: 12 of 29</p>		





MATCH LINE - SHEET 12

MATCH LINE - SHEET 17

MATCH LINE - SHEET 8

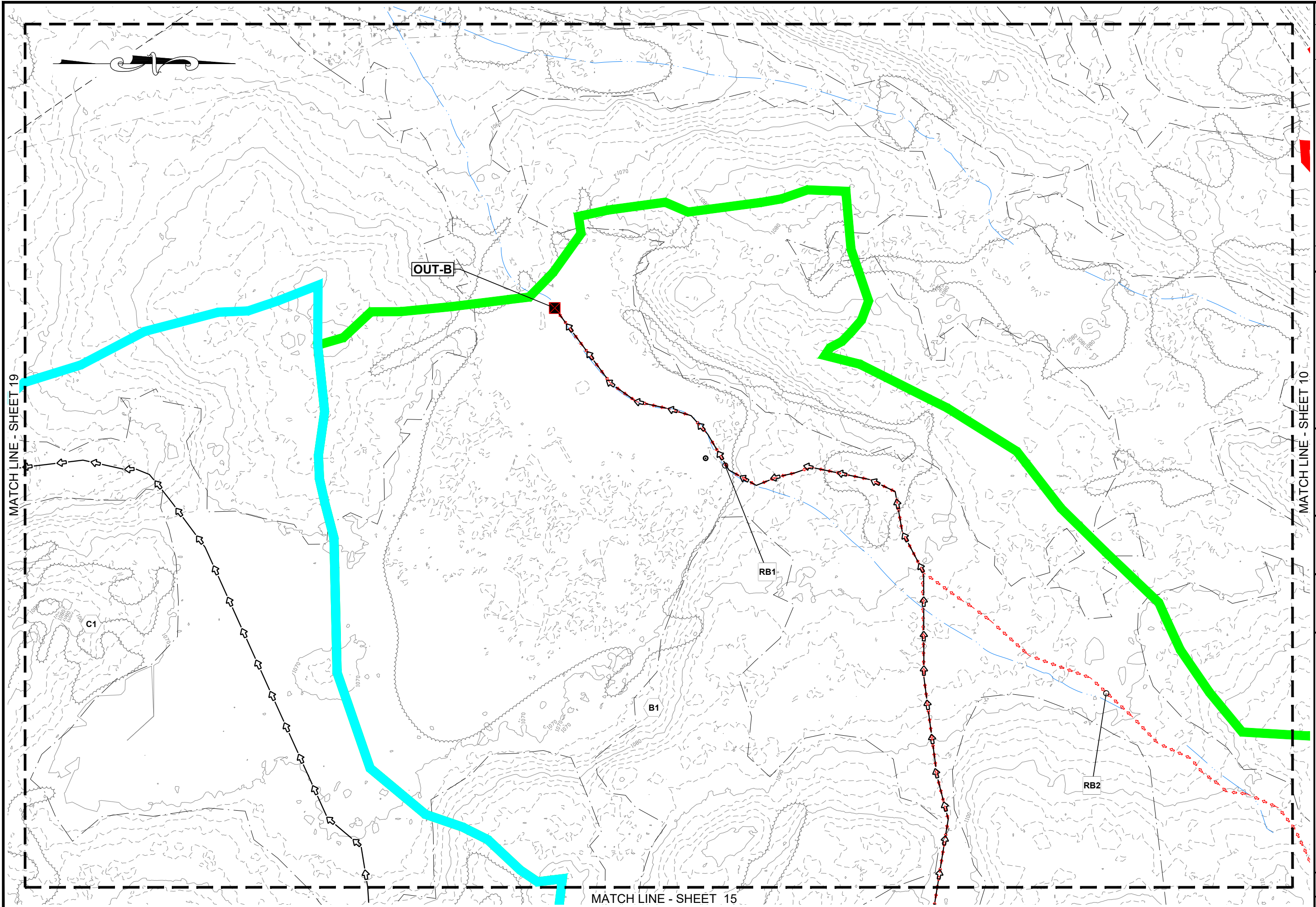
MATCH LINE - SHEET 13

C2

B2

<p><b>CMA ENGINEERS</b>          CIVIL/ENVIRONMENTAL/STRUCTURAL          Portsmouth, NH • Manchester, NH • Portland, ME          603/431-6196 • 603/627-0708 • 207/641-4223          cmaengineers.com</p>		<p>designed by: NJM          drawn by: NJM          checked by: ALS          approved by: ALS</p>		<p>date: January 2024          project no: 1101</p>		<p>scale: 1" = 100'          0 100' 200'</p>	
<p>Granite State Landfill, LLC.          Dalton, New Hampshire          NHDES Alteration of Terrain          Permit Application</p>				<p>Professional Engineer          NICHOLAS J. MESSINA          No. 17552          STATE OF NEW HAMPSHIRE</p>			
<p>Pre-Development Drainage Plan          Sheet 13</p>						<p>drawing no. PREDEV-13</p>	
<p>sheet: 13 of 29</p>						<p>no. revision date by</p>	

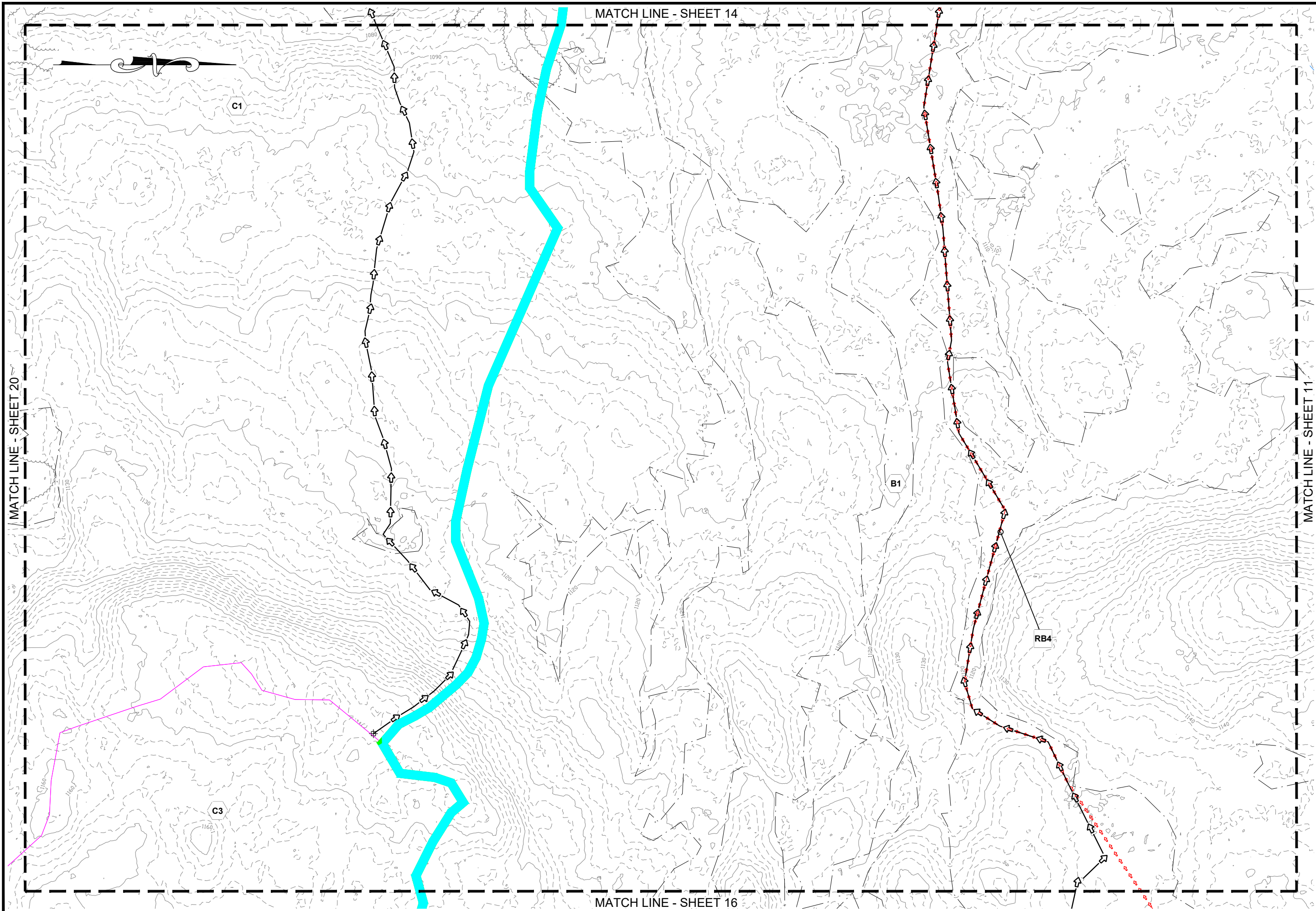




<p>Granite State Landfill, LLC. Dalton, New Hampshire</p>		<p>designed by: NJM</p>	<p>scale: 1" = 100'</p>
<p>NHDES Alteration of Terrain Permit Application</p>		<p>drawn by: NJM</p>	<p>scale: 1" = 200'</p>
<p>Pre-Development Drainage Plan Sheet 14</p>		<p>checked by: ALS</p>	<p>approved by: ALS</p>
<p>drawing no. <b>PREDEV-14</b></p>		<p>date: January 2024</p>	<p>project no: 1101</p>
<p>sheet: 14 of 29</p>		<p>checked by: ALS</p>	<p>approved by: ALS</p>
<p>revision</p>		<p>no.</p>	<p>date</p>
<p>by</p>		<p>no.</p>	<p>date</p>

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MATCH LINE - SHEET 14

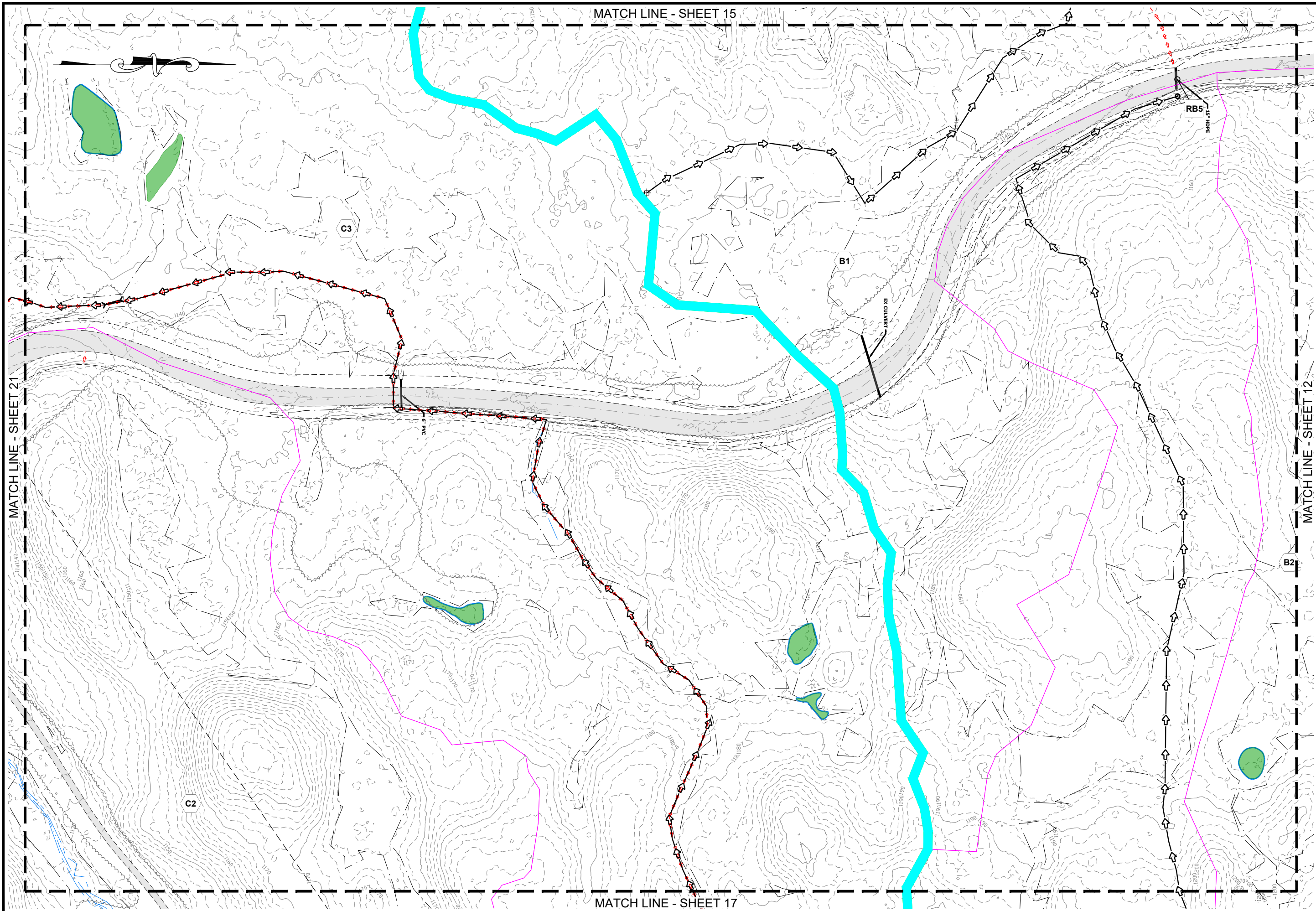
MATCH LINE - SHEET 20

MATCH LINE - SHEET 11

MATCH LINE - SHEET 16

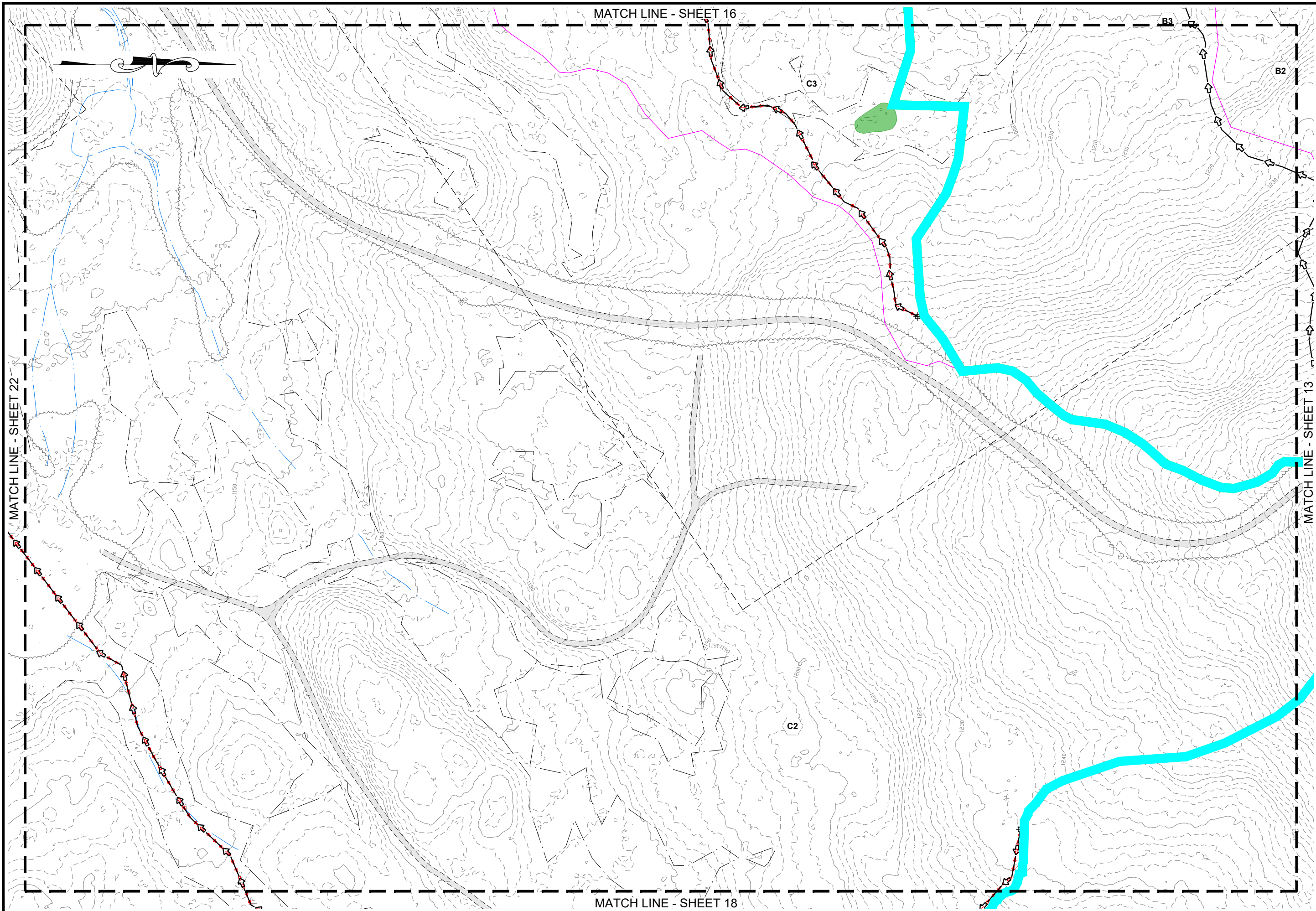
<p><b>CMA ENGINEERS</b>          CIVIL/ENVIRONMENTAL/STRUCTURAL          Portsmouth, NH • Manchester, NH • Portland, ME          603/431-6196 • 603/627-0708 • 207/641-4223          cmaengineers.com</p>		<p>no. _____          revision _____          date _____          by _____</p>
<p><b>STATE OF NEW HAMPSHIRE</b>          LICENSED PROFESSIONAL ENGINEER          NICHOLAS J. MESSINA          No. 17552</p>		<p>designed by: NJM          drawn by: NJM          approved by: ALS</p>
<p>date: January 2024          project no: 1101          checked by: ALS</p>	<p>scale: 1" = 100'          0 100' 200'</p>	<p>drawing no.  <b>PREDEV-15</b>          sheet: 15 of 29</p>
<p>Granite State Landfill, LLC.          Dalton, New Hampshire          NHDES Alteration of Terrain          Permit Application          Pre-Development Drainage Plan          Sheet 15</p>		





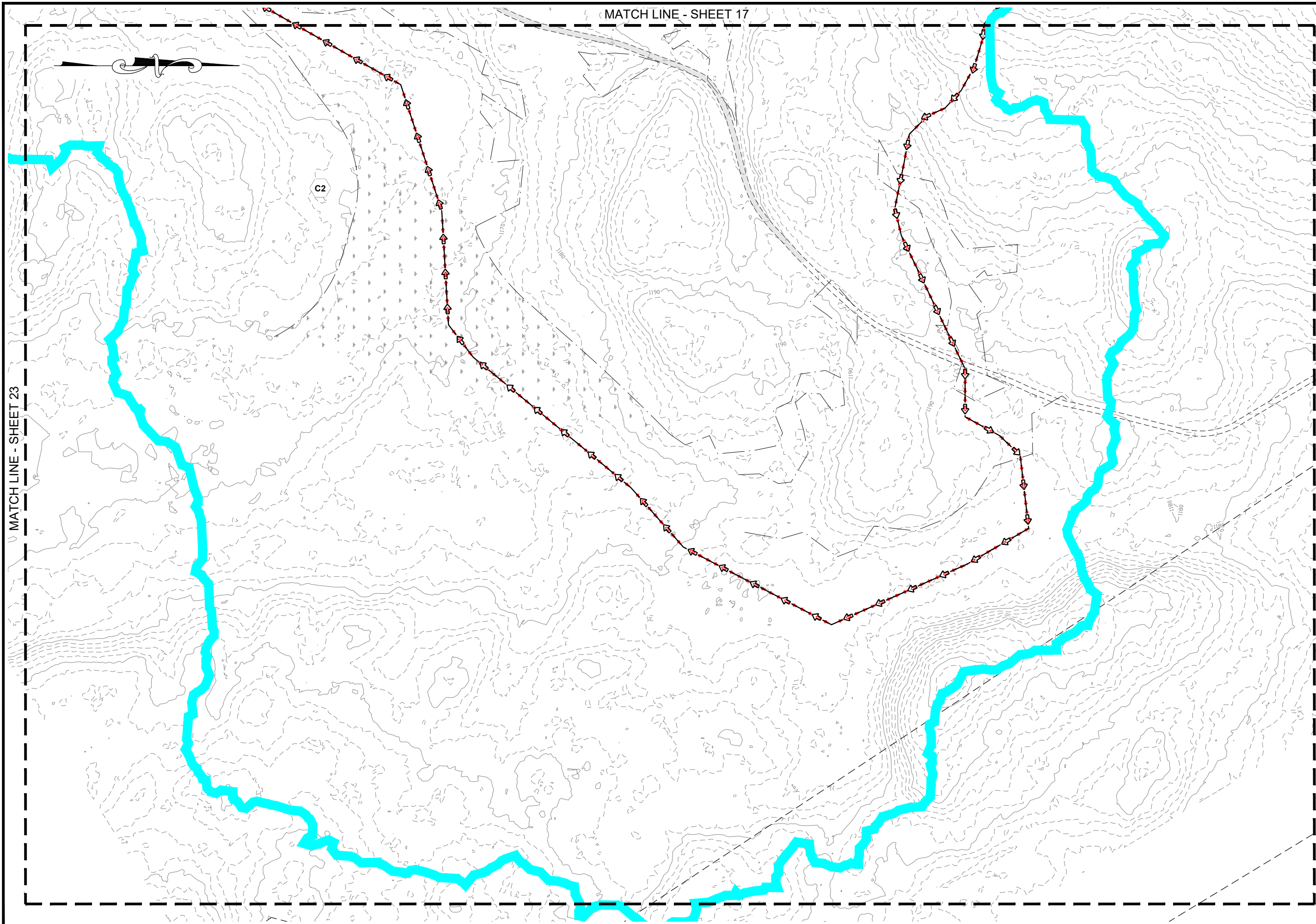
<b>Granite State Landfill, LLC.</b> Dalton, New Hampshire NHDES Alteration of Terrain Permit Application Pre-Development Drainage Plan Sheet 16		date: January 2024 project no: 1101 checked by: AUS	designed by: NJM drawn by: NJM approved by: ALS	scale: 1" = 100' 0 100' 200'
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<p>Granite State Landfill, LLC.          Dalton, New Hampshire          NHDES Alteration of Terrain          Permit Application          Pre-Development Drainage Plan          Sheet 17</p>		<p>date: January 2024</p>	<p>project no: 1101</p>	<p>checked by: ALS</p>	<p>drawing no. <b>PREDEV-17</b></p>	<p>sheet: 17 of 29</p>	



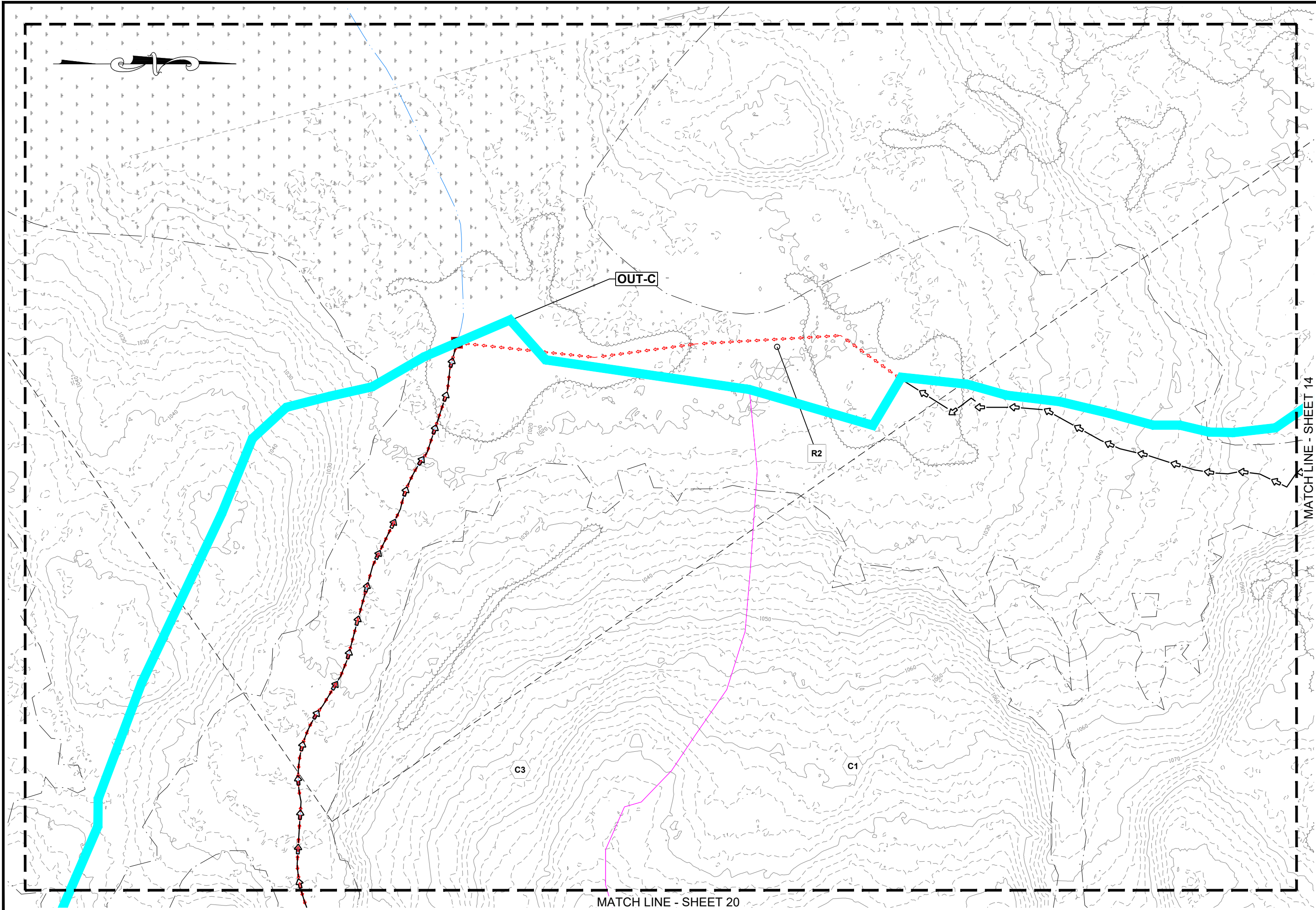


MATCH LINE - SHEET 17

MATCH LINE - SHEET 23

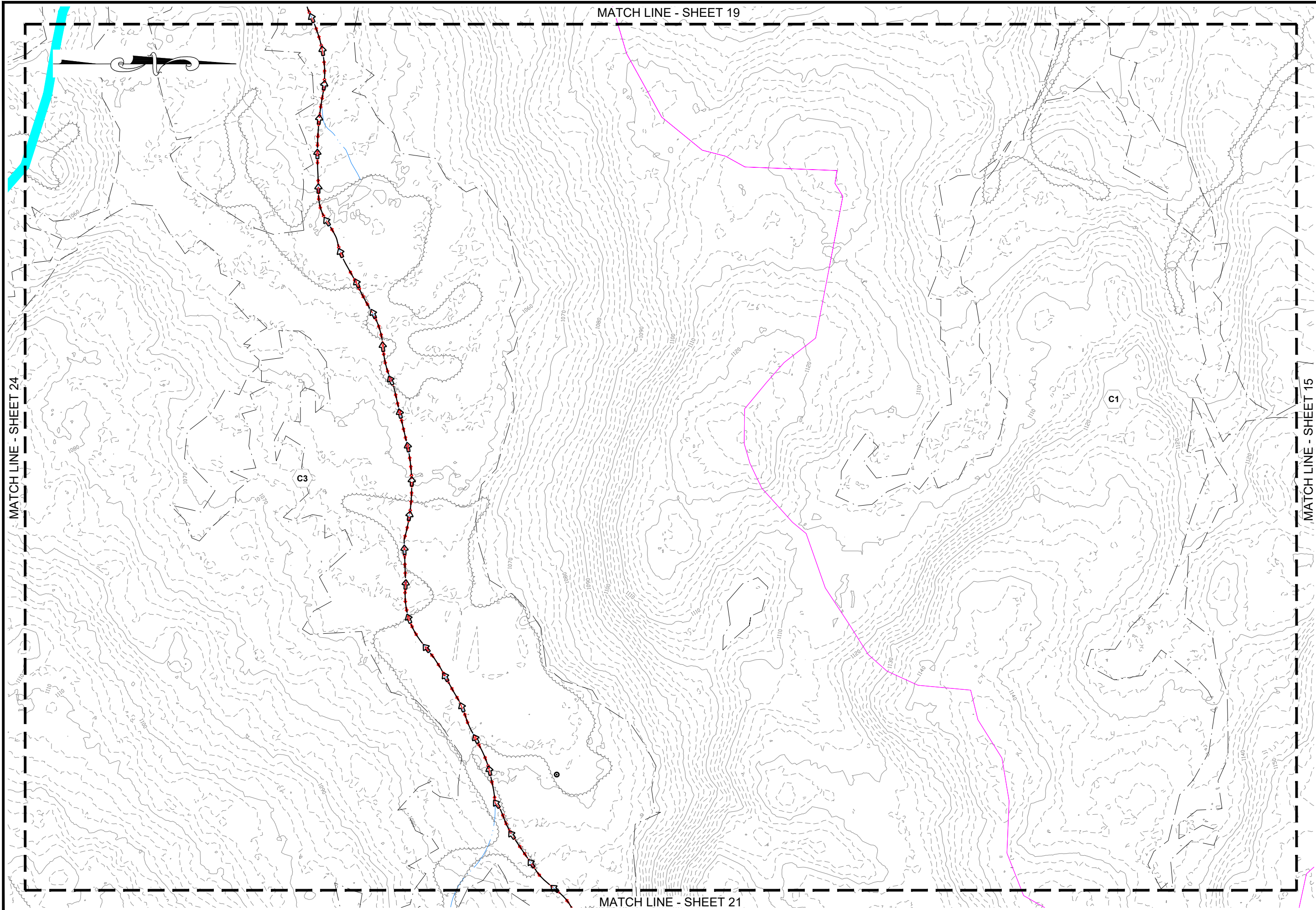
<p><b>CMA ENGINEERS</b>          CIVIL/ENVIRONMENTAL/STRUCTURAL          Portsmouth, NH • Manchester, NH • Portland, ME          603/431-6196 • 603/627-0708 • 207/641-4223  <a href="http://cmaengineers.com">cmaengineers.com</a></p>		<p>no. _____          revision _____          date _____          by _____</p>
<p>STATE OF NEW HAMPSHIRE          NICHOLAS J. MESSINA          No. 17852          LICENSED PROFESSIONAL ENGINEER</p>		<p>designed by: NJM          drawn by: NJM          approved by: ALS</p>
<p>date: January 2024          project no: 1101          checked by: ALS</p>	<p>scale: 1" = 100'          0 100' 200'</p>	<p>drawing no.  <b>PREDEV-18</b>          sheet: 18 of 29</p>
<p>Granite State Landfill, LLC.          Dalton, New Hampshire          NHDES Alteration of Terrain          Permit Application          Pre-Development Drainage Plan          Sheet 18</p>		





<b>Granite State Landfill, LLC.</b> Dalton, New Hampshire NHDES Alteration of Terrain Permit Application Pre-Development Drainage Plan Sheet 19		date: January 2024 project no: 1101 checked by: AUS	designed by: NJM drawn by: NJM approved by: AUS	scale: 1" = 100' 0 100' 200'
<b>CMA ENGINEERS</b> CIVIL/ENVIRONMENTAL/STRUCTURAL Portsmouth, NH • Manchester, NH • Portland, ME 603/431-6196 • 603/627-0708 • 207/641-4223 cmaengineers.com		PROFESSIONAL ENGINEER STATE OF NEW HAMPSHIRE NICHOLAS J. MESSINA No. 17552		
MATCH LINE - SHEET 20		MATCH LINE - SHEET 14		
drawing no. <b>PREDEV-19</b>		sheet: 19 of 29		





MATCH LINE - SHEET 19

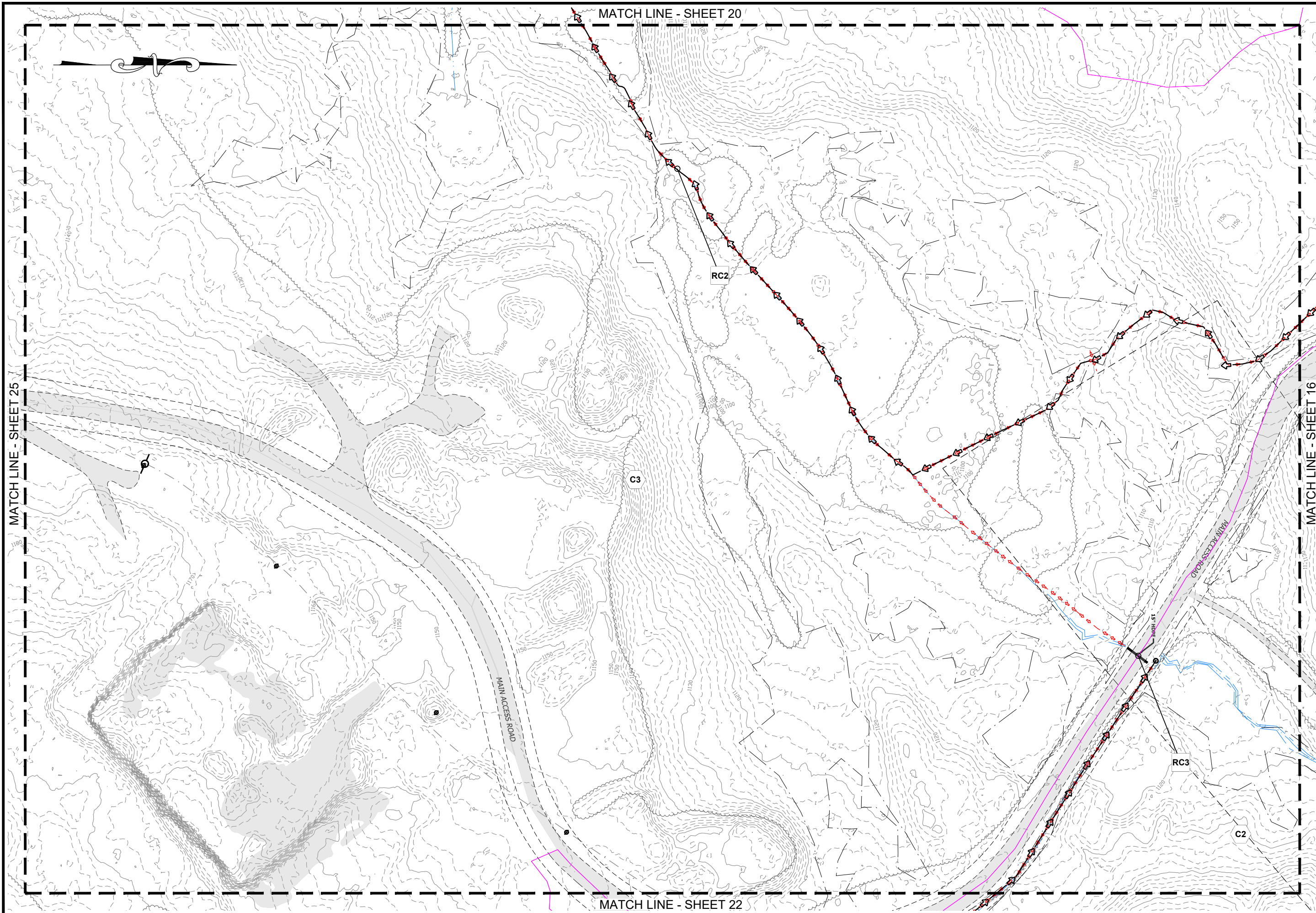
MATCH LINE - SHEET 24

MATCH LINE - SHEET 15

MATCH LINE - SHEET 21

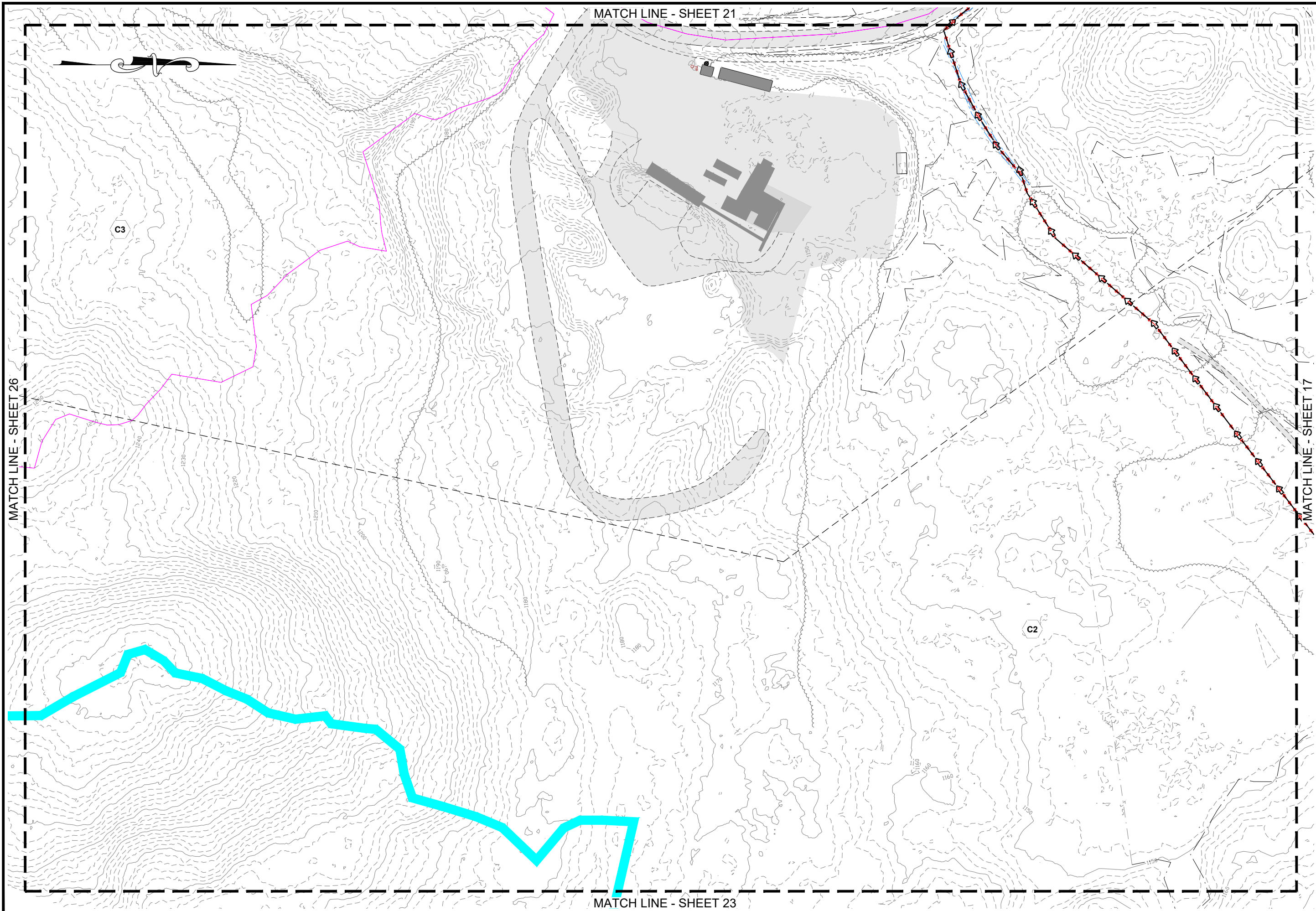
<p><b>Granite State Landfill, LLC.</b>          Dalton, New Hampshire          NHDES Alteration of Terrain          Permit Application          Pre-Development Drainage Plan          Sheet 20</p>		<p>date: January 2024          project no: 1101          checked by: ALS</p>	<p>designed by: NJM          drawn by: NJM          approved by: ALS</p>	<p>scale: 1" = 100'          0 100' 200'</p>
<p><b>CMA ENGINEERS</b>          CIVIL/ENVIRONMENTAL/STRUCTURAL          Portsmouth, NH • Manchester, NH • Portland, ME          603/431-6196 • 603/627-0708 • 207/641-4223          cmaengineers.com</p>		<p><b>STATE OF NEW HAMPSHIRE</b>          NICHOLAS J. MESSINA          No. 17552          LICENSED PROFESSIONAL ENGINEER</p>		
<p>drawing no:  <b>PREDEV-20</b></p>		<p>sheet: 20 of 29</p>		





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<b>NICHOLAS J. MESSINA</b> No. 17552 LICENSED PROFESSIONAL ENGINEER STATE OF NEW HAMPSHIRE		date: January 2024 project no: 1101 checked by: ALS		
Granite State Landfill, LLC. Dalton, New Hampshire NHDES Alteration of Terrain Permit Application Pre-Development Drainage Plan Sheet 21				
drawing no: <b>PREDEV-21</b> sheet: 21 of 29				





<b>Granite State Landfill, LLC.</b> Dalton, New Hampshire NHDES Alteration of Terrain Permit Application Pre-Development Drainage Plan Sheet 22		date: January 2024 project no: 1101 checked by: ALS	designed by: NJM drawn by: NJM approved by: ALS	scale: 1" = 100' 0 100' 200' Scale: 1" = 100'
<b>CMA ENGINEERS</b> CIVIL/ENVIRONMENTAL/STRUCTURAL Portsmouth, NH • Manchester, NH • Portland, ME 603/431-6196 • 603/627-0708 • 207/641-4223 cmaengineers.com		STATE OF NEW HAMPSHIRE NICHOLAS J. MESSINA No. 17852 LICENSED PROFESSIONAL ENGINEER		
		no.	revision	by
				date



MATCH LINE - SHEET 22

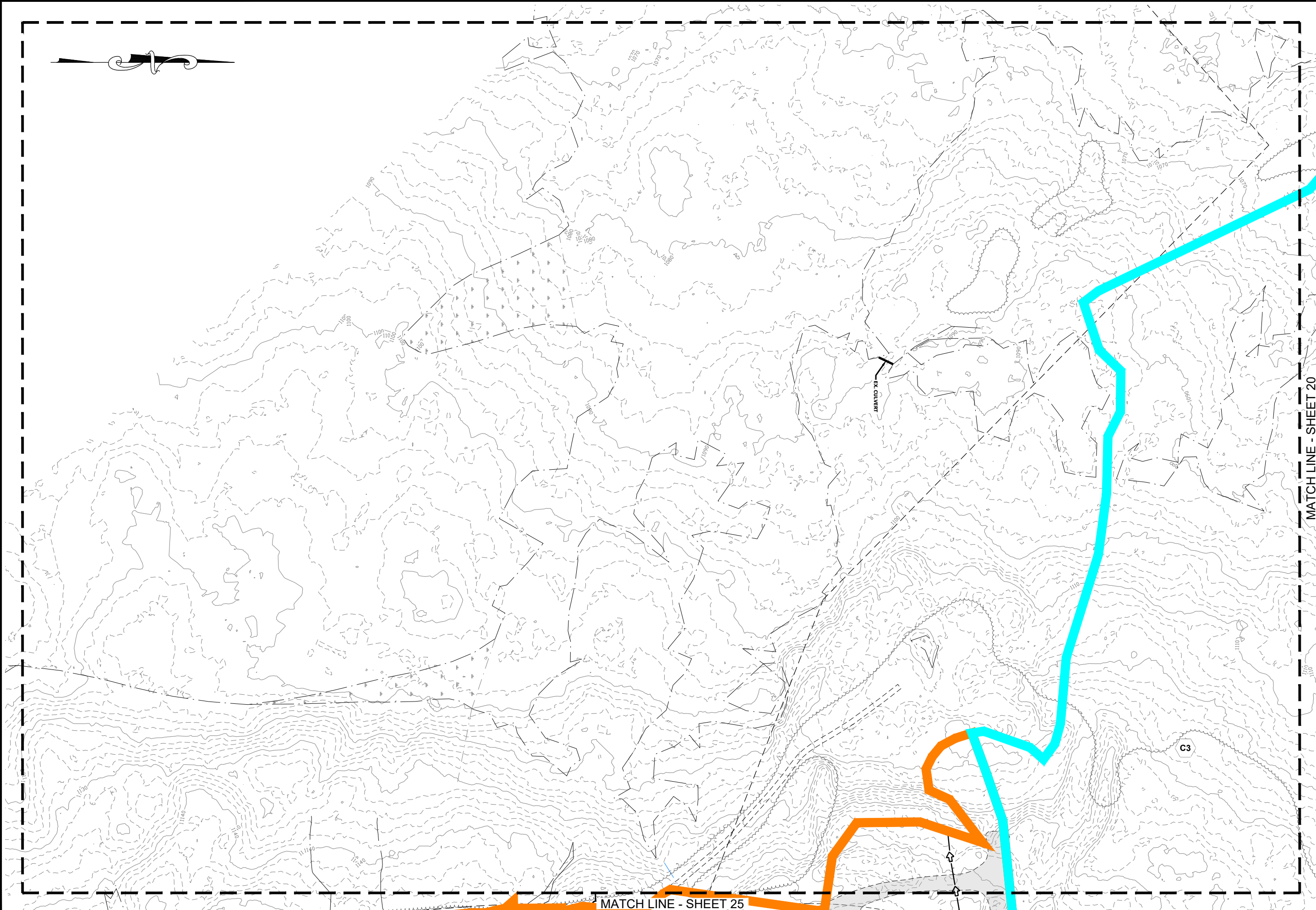


C2

MATCH LINE - SHEET 18

<b>Granite State Landfill, LLC.</b> Dalton, New Hampshire NHDES Alteration of Terrain Permit Application Pre-Development Drainage Plan Sheet 23		date: January 2024	designed by: NJM
		project no: 1101	drawn by: NJM
		checked by: AJS	approved by: ALS
		scale: 1" = 100' 	
		no.	revision
		date	by
drawing no. <b>PREDEV-23</b>			
sheet: 23 of 29			



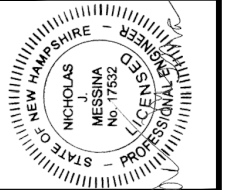


MATCH LINE - SHEET 25

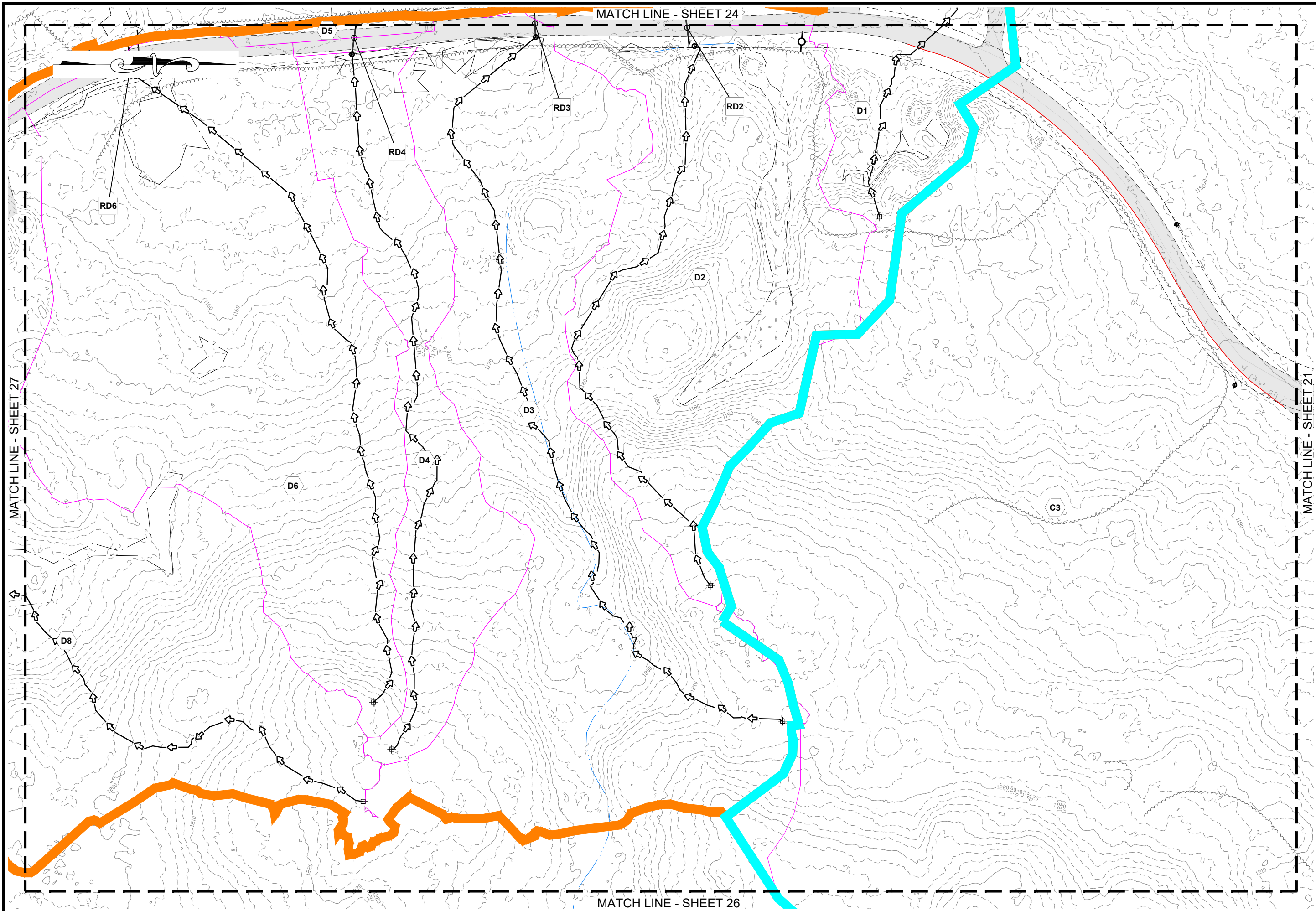
MATCH LINE - SHEET 20

<b>Granite State Landfill, LLC.</b> Dalton, New Hampshire NHDES Alteration of Terrain Permit Application Pre-Development Drainage Plan Sheet 24		date: January 2024	designed by: NJM
project no.: 1101		drawn by: NJM	approved by: ALS
checked by: ALS		scale: 1" = 100' 1" = 200'	
drawing no. <b>PREDEV-24</b>		no.	revision
sheet: 24 of 29		no.	date

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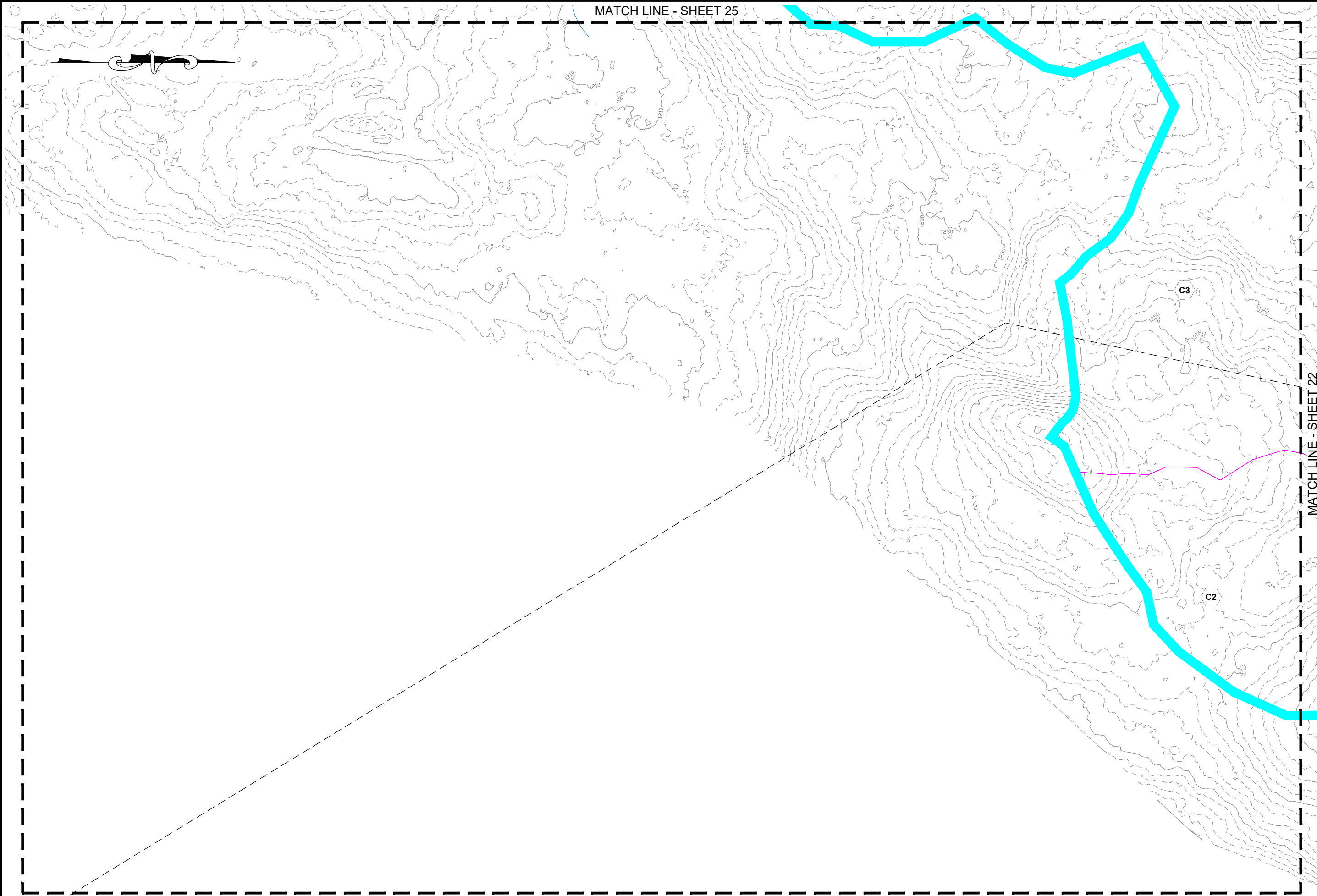


<p><b>CMA ENGINEERS</b>          CIVIL/ENVIRONMENTAL/STRUCTURAL          Portsmouth, NH • Manchester, NH • Portland, ME          603/431-6196 • 603/627-0708 • 207/641-4223          cmaengineers.com</p>		<p><b>PROFESSIONAL ENGINEER</b>          STATE OF NEW HAMPSHIRE          NICHOLAS J. MESSINA          No. 17532</p>	
<p>date: January 2024</p>	<p>designed by: NJM</p>	<p>project no: 1101</p>	<p>drawn by: NJM</p>
<p>checked by: AUS</p>	<p>approved by: AUS</p>	<p>scale: 1" = 100'          0 100' 200'</p>	
<p><b>Granite State Landfill, LLC.</b>          Dalton, New Hampshire</p>		<p><b>NHDES Alteration of Terrain</b>          Permit Application</p>	
<p><b>Pre-Development Drainage Plan</b>          Sheet 25</p>		<p>drawing no: <b>PREDEV-25</b></p>	
<p>sheet: 25 of 29</p>		<p>no. revision date by</p>	



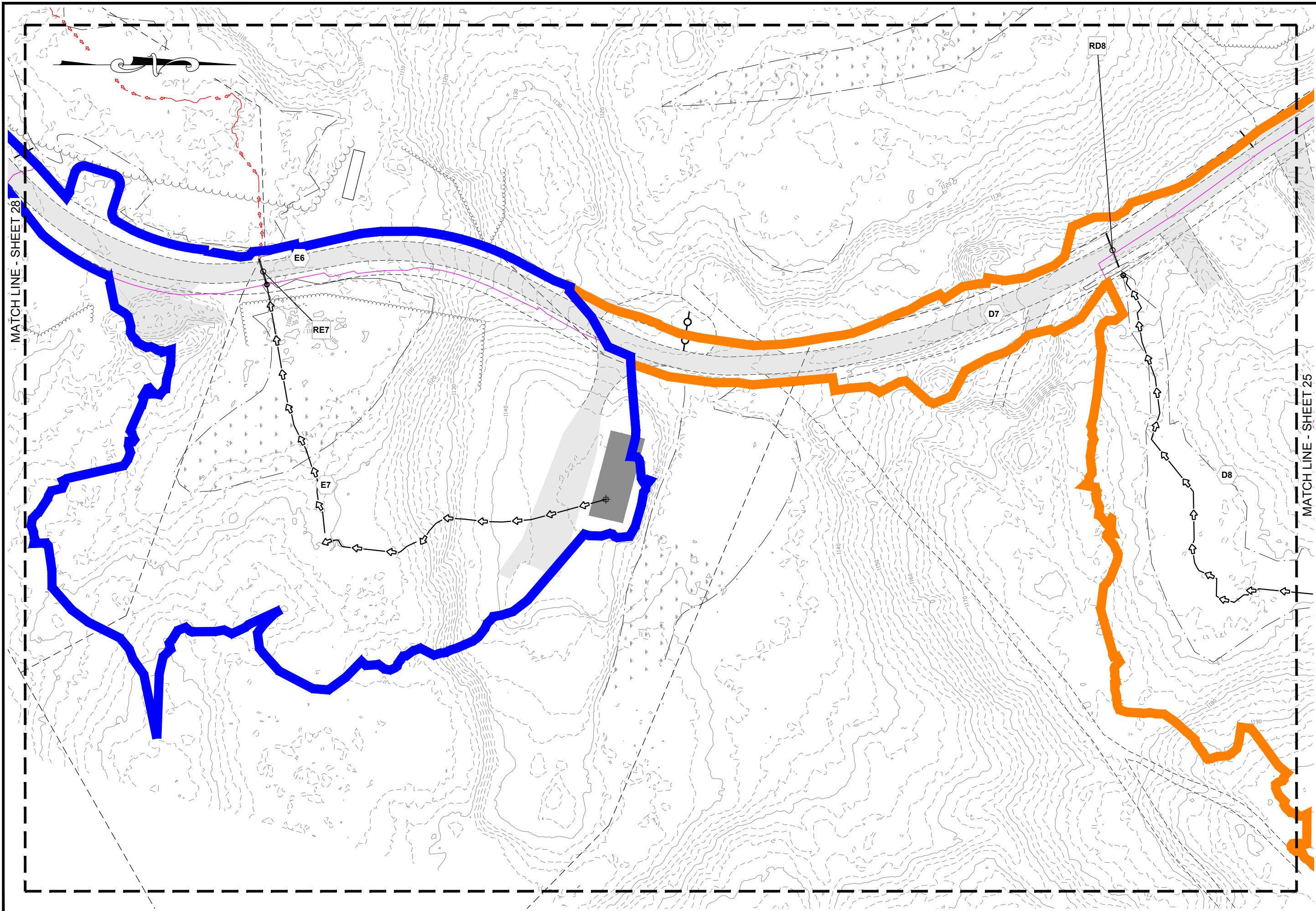
MATCH LINE - SHEET 25

MATCH LINE - SHEET 22



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<p>Granite State Landfill, LLC.          Dalton, New Hampshire          NHDES Alteration of Terrain          Permit Application          Pre-Development Drainage Plan          Sheet 26</p>		<p>drawing no.  <b>PREDEV-26</b></p>		<p>sheet: 26 of 29</p>	<p>no. _____          revision _____          date _____          by _____</p>	



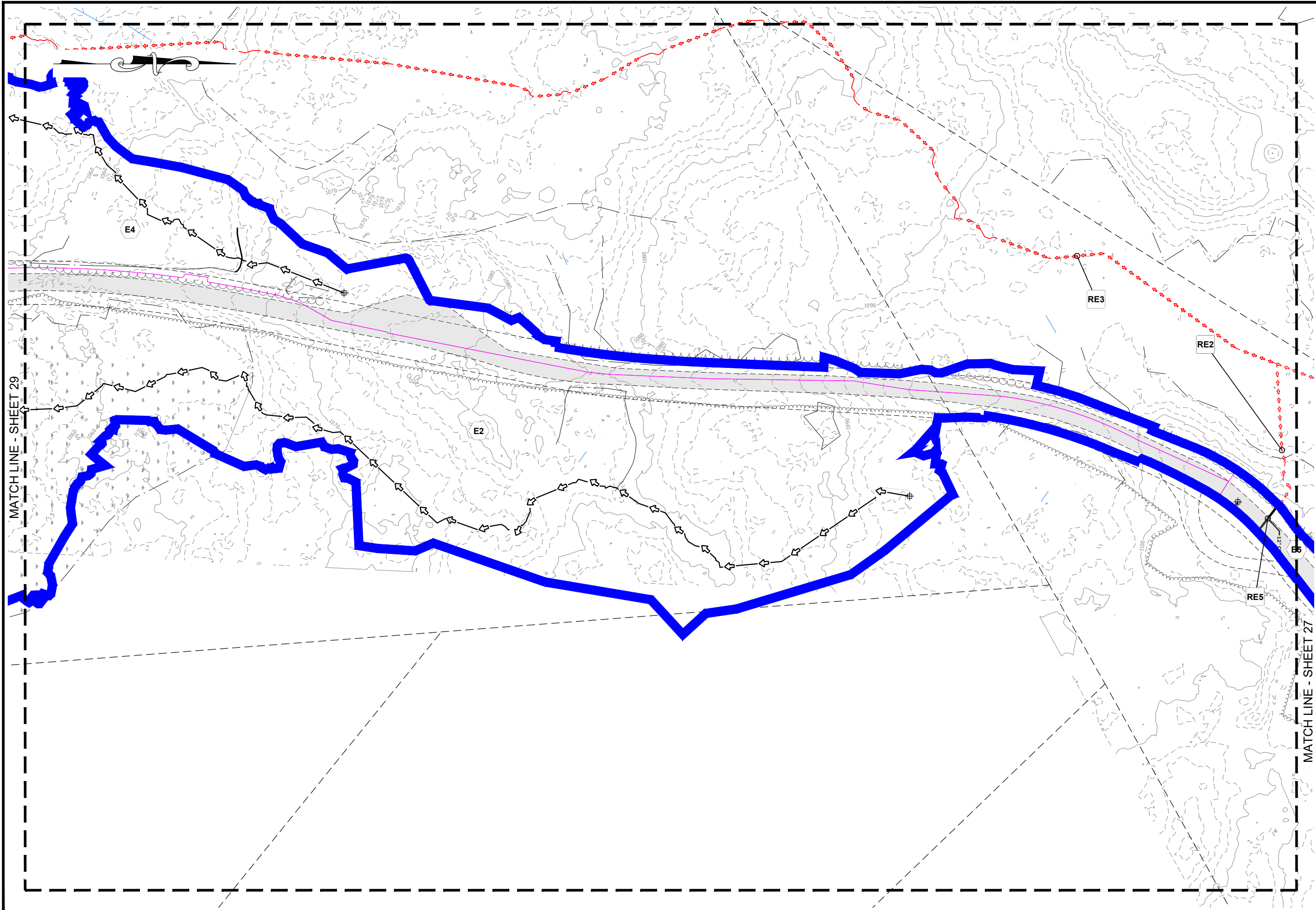


MATCH LINE - SHEET 28

MATCH LINE - SHEET 25

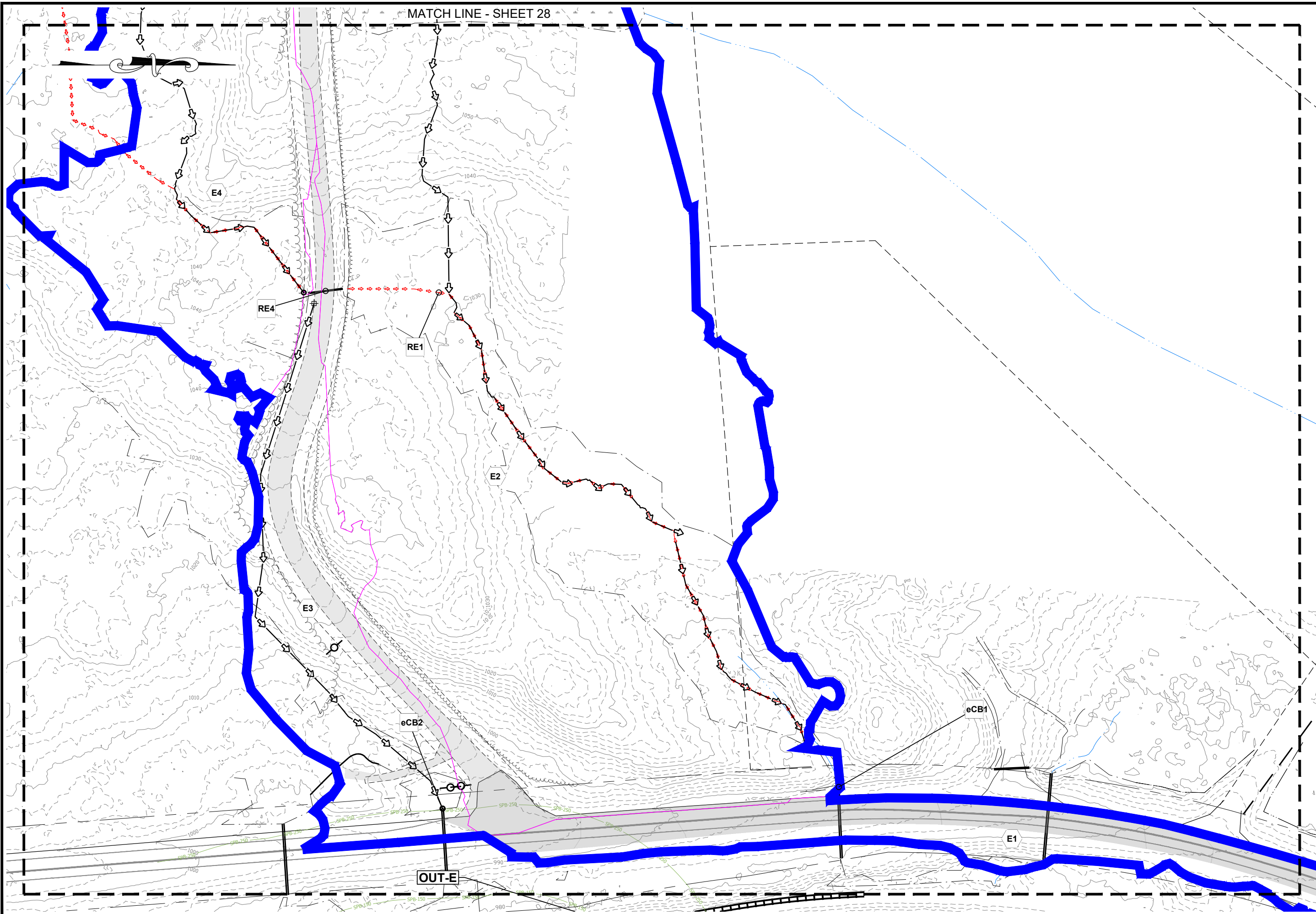
<p><b>CMA ENGINEERS</b>          CIVIL/ENVIRONMENTAL/STRUCTURAL          Portsmouth, NH • Manchester, NH • Portland, ME          603/431-6196 • 603/627-0708 • 207/641-4223          cmaengineers.com</p>		<p>designed by: NJM          drawn by: NJM          approved by: ALS</p>		<p>date: January 2024          project no: 1101          checked by: ALS</p>		<p>scale: 1" = 100'          0 100' 200'</p>	
<p>Granite State Landfill, LLC.          Dalton, New Hampshire          NHDES Alteration of Terrain          Permit Application          Pre-Development Drainage Plan          Sheet 27</p>		<p>STATE OF NEW HAMPSHIRE          NICHOLAS J. MESSINA          No. 17532          LICENSED PROFESSIONAL ENGINEER</p>		<p>no. _____          revision _____          date _____          by _____</p>		<p>drawing no.  <b>PREDEV-27</b></p>	
<p>sheet: 27 of 29</p>		<p>no. _____</p>		<p>revision _____</p>		<p>date _____</p>	





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STATE OF NEW HAMPSHIRE NICHOLAS J. MESSINA No. 17532 LICENSED PROFESSIONAL ENGINEER	
date: January 2024	designed by: NJM
project no.: 1101	drawn by: NJM
checked by: AJS	approved by: AJS
scale: 1" = 100' 200'	
Granite State Landfill, LLC. Dalton, New Hampshire NHDES Alteration of Terrain Permit Application Pre-Development Drainage Plan Sheet 28	
drawing no. <b>PREDEV-28</b>	
sheet: 28 of 29	no. revision date by





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date:	January 2024	designed by:	NJM
project no.:	1101	drawn by:	NJM
checked by:	ALS	approved by:	ALS
<p>Scale: 1" = 100'</p>		<p>drawing no. <b>PREDEV-29</b></p>	
<p>Granite State Landfill, LLC. Dalton, New Hampshire NHDES Alteration of Terrain Permit Application Pre-Development Drainage Plan Sheet 29</p>		<p>sheet: 29 of 29</p>	