

POST-DEVELOPMENT WATERSHED PLAN LEGEND	
PROPOSED CONTOUR (2')	----- 1100 -----
PROPOSED CONTOUR (10')	----- 1100 -----
EXISTING CONTOUR (10')	----- 1100 -----
OUTFALL (OUT) A WATERSHED BOUNDARY	----- (Red line) -----
OUTFALL (OUT) B WATERSHED BOUNDARY	----- (Green line) -----
OUTFALL (OUT) C WATERSHED BOUNDARY	----- (Cyan line) -----
SUBCATCHMENT BOUNDARY	----- (Pink line) -----
SUBBASIN ID	⬡ C1
SUBBASIN TIME OF CONCENTRATION	➔ ➔ ➔ ➔ ➔ ➔ ➔ ➔
MODEL REACH	➔ ➔ ➔ ➔ ➔ ➔ ➔ ➔
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 SYMBOLIZES PAVEMENT, GREY SYMBOLIZES GRAVEL SURFACES, AND LIGHT GREY SYMBOLIZES EXPOSED GEOMEMBRANE LINER.  
 3. THIS MODEL ASSUMES UP TO 10.4 ACRES OF EXPOSED GEOMEMBRANE.

**OUT-A**

A1 AREA: 89.3 AC.    A2 AREA: 92.8 AC.

**OUT-B**

B1 AREA: 47.9 AC.    B2 AREA: 47.5 AC.    B3 AREA: 0.6 AC.    B4 AREA: 4.2 AC.    B5 AREA: 1.7 AC.

**OUT-C**

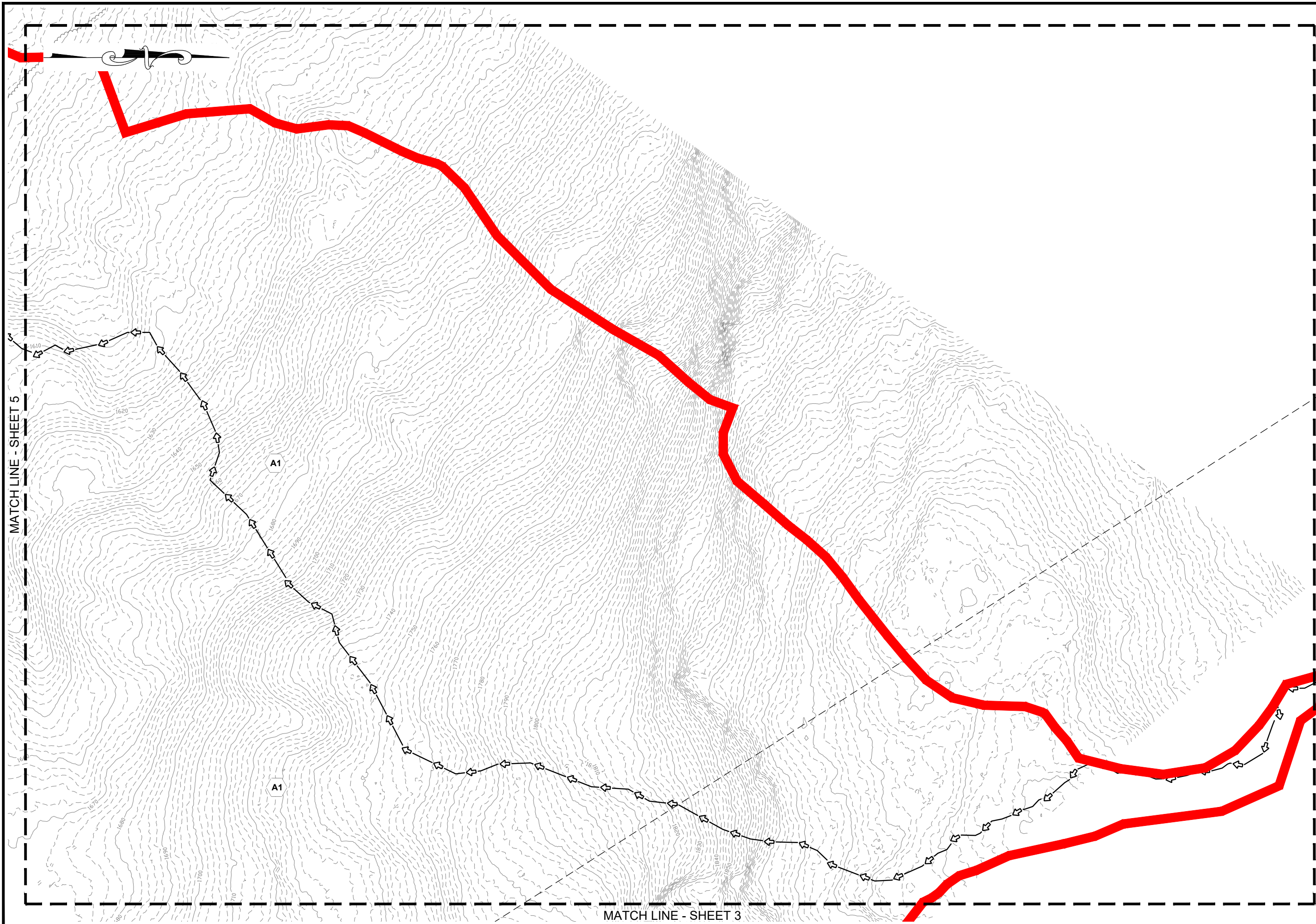
C1 AREA: 39.2 AC.    C2 AREA: 62.1 AC.    C3 AREA: 0.8 AC.    C4 AREA: 1.5 AC.    C5 AREA: 10.4 AC.    C6 AREA: 1.3 AC.

C7 AREA: 2.4 AC.    C8 AREA: 6.1 AC.    C9 AREA: 16.3 AC.    C10 AREA: 2.0 AC.    C11 AREA: 1.9 AC.    C12 AREA: 54.1 AC.

C13 AREA: 1.0 AC.    C14 AREA: 0.9 AC.    C15 AREA: 15.9 AC.    C16 AREA: 6.1 AC.    C17 AREA: 0.2 AC.    C18 AREA: 0.3 AC.



C19 AREA: 0.6 AC.    C20 AREA: 6.0 AC.

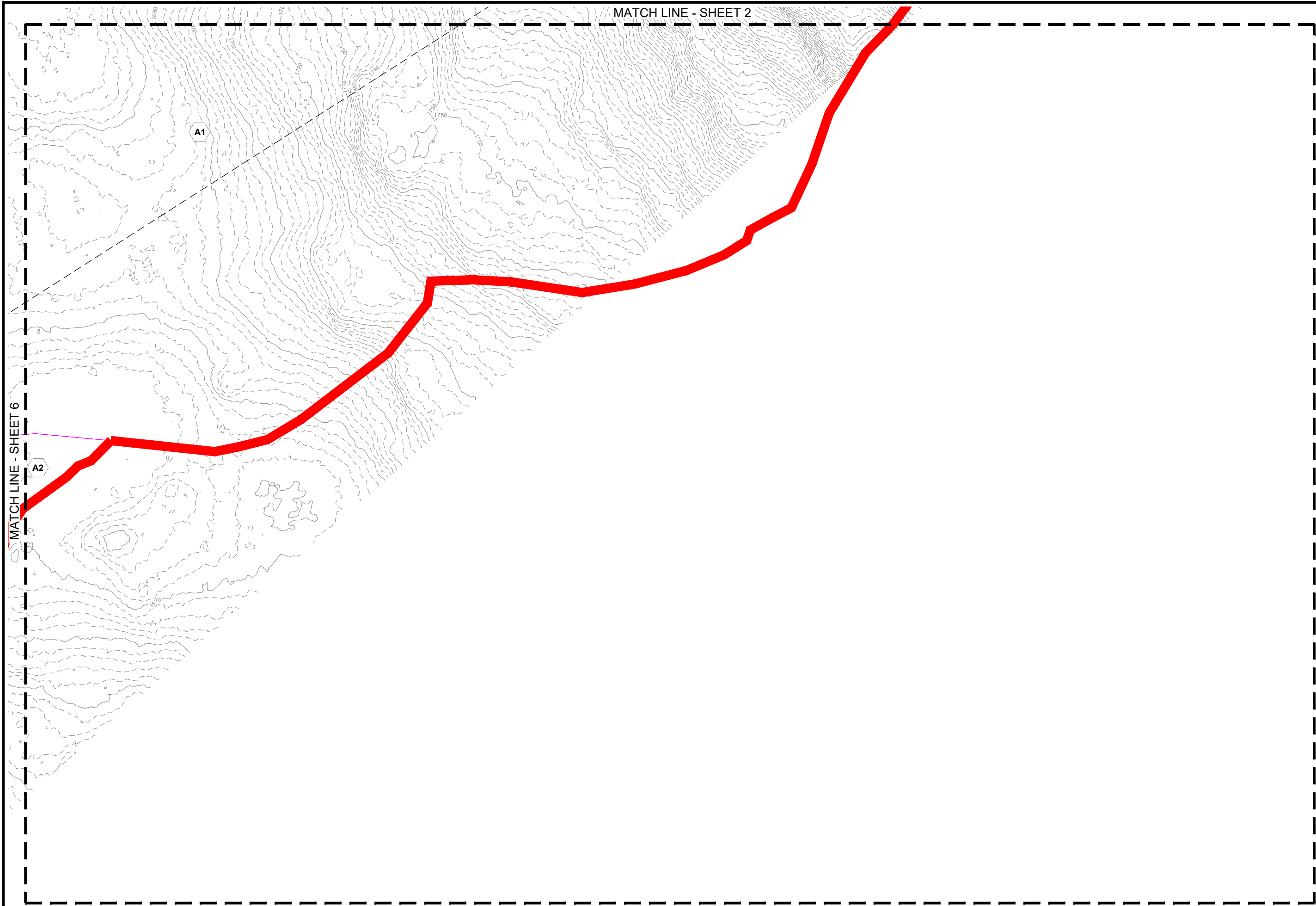
	Granite State Landfill, LLC. Dalton, New Hampshire NHDES Alteration of Terrain Permit Application Int-1 Development Drainage Diagram Index		drawing no. <b>INT DEV 1-1</b> sheet: 1 of 26
	date: January 2024	project no: 1101	
designed by: NJM	drawn by: NJM	approved by: AJS	scale: 0 750' 1500' Scale: 1" = 750'
		no. revision	date by



MATCH LINE - SHEET 5

MATCH LINE - SHEET 3

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Granite State Landfill, LLC. Dalton, New Hampshire NHDES Alteration of Terrain Permit Application Int-1 Development Drainage Plan Sheet 2		project no: 1101	drawn by: NJM	checked by: ALS	approved by: ALS
drawing no. <b>INT DEV 1-2</b>		scale: 1" = 100' 100' 200'		sheet: 2 of 26	



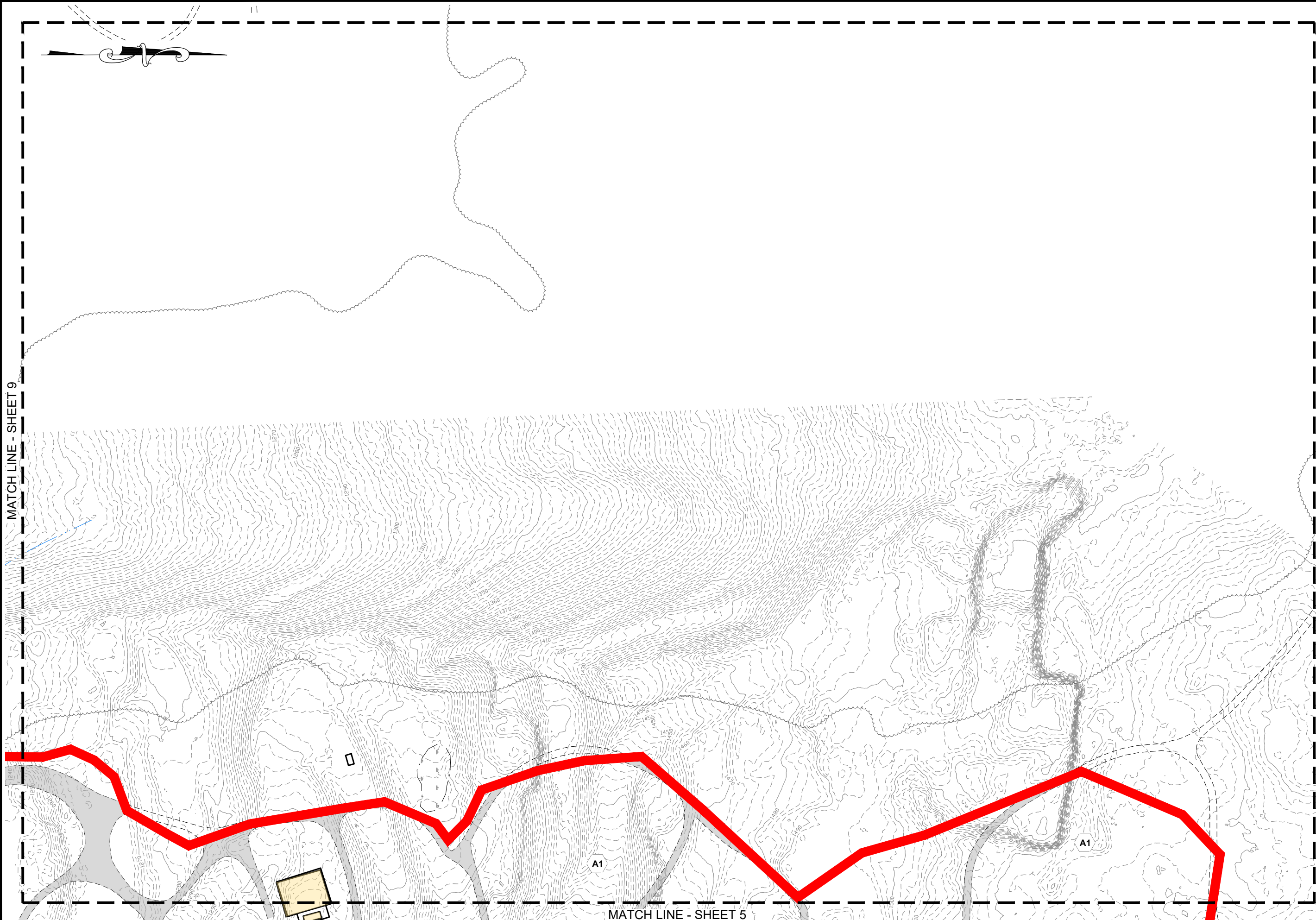
MATCH LINE - SHEET 6

MATCH LINE - SHEET 2

A1

A2

<p><b>Granite State Landfill, LLC.</b>          Dalton, New Hampshire          NHDES Alteration of Terrain          Permit Application          Int-1 Development Drainage Plan          Sheet 3</p>		<p>date: January 2024</p> <p>project no: 1101</p> <p>checked by: AJS</p>	<p>designed by: NJM</p> <p>drawn by: NJM</p> <p>approved by: AJS</p>	<p>scale: 100'</p> <p>Scale: 1" = 100'</p>
<p><b>CMA ENGINEERS</b>          CIVIL/ENVIRONMENTAL/STRUCTURAL          Portsmouth, NH • Manchester, NH • Portland, ME          603/431-6196 • 603/627-0708 • 207/641-4223          c m a e n g i n e e r s . c o m</p>				<p>no.</p> <p>revision</p> <p>date</p> <p>by</p>
<p>drawing no. <b>INT DEV 1-3</b></p>				
<p>sheet: 3 of 26</p>				



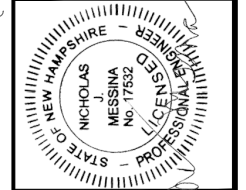
MATCH LINE - SHEET 9

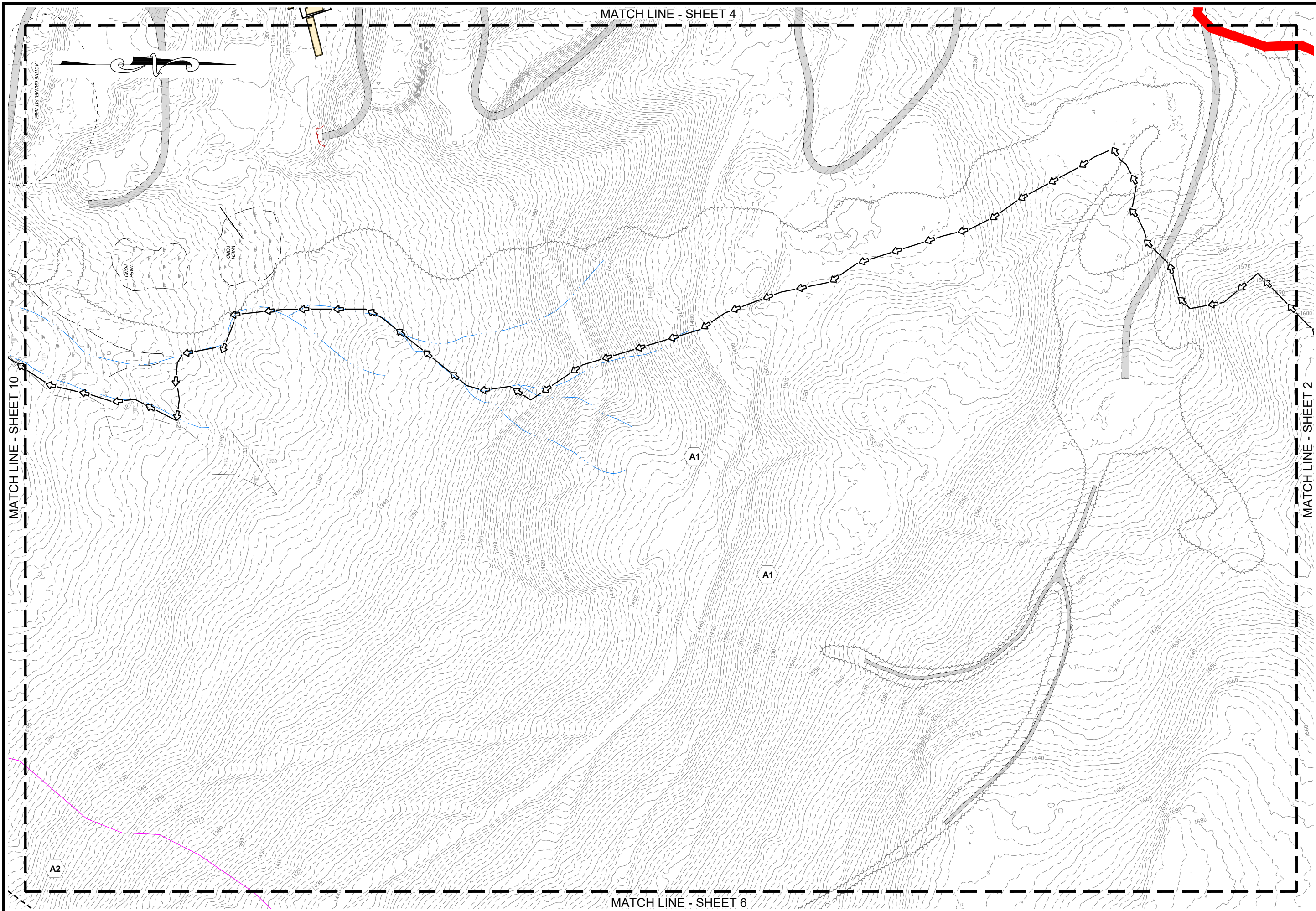
MATCH LINE - SHEET 5

<p><b>Granite State Landfill, LLC.</b> Dalton, New Hampshire</p>		<p>date: January 2024</p>	<p>designed by: NJM</p>
<p>NHDES Alteration of Terrain Permit Application</p>		<p>project no: 1101</p>	<p>drawn by: NJM</p>
<p>Int-1 Development Drainage Plan Sheet 4</p>		<p>checked by: ALS</p>	<p>approved by: ALS</p>
<p>drawing no: <b>INT DEV 1-4</b></p>		<p>scale: 1" = 100'</p>	
<p>sheet: 4 of 26</p>		<p>no. revision</p>	
<p>no. revision</p>		<p>date</p>	
<p>no. revision</p>		<p>date</p>	

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MATCH LINE - SHEET 10

MATCH LINE - SHEET 4

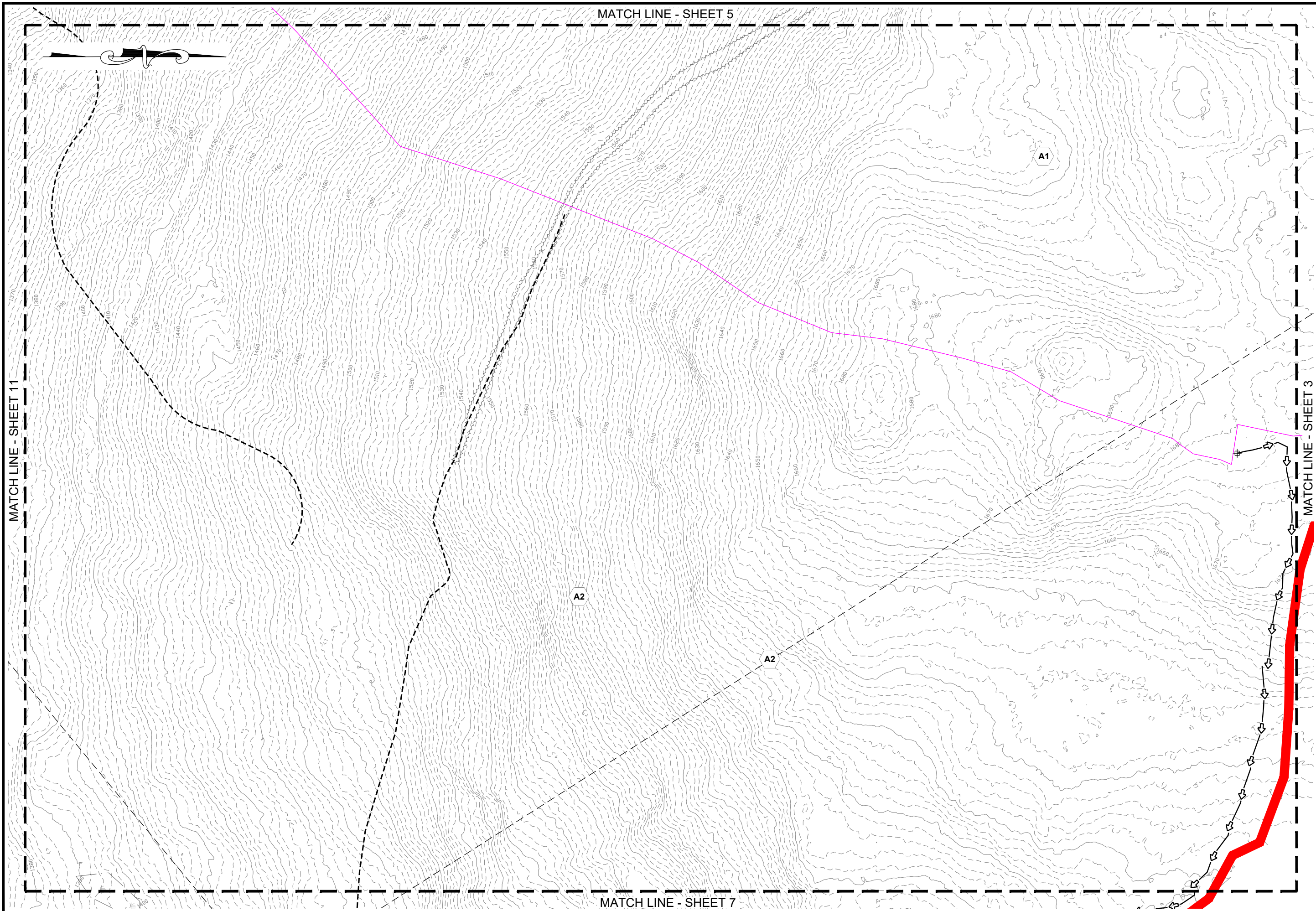
MATCH LINE - SHEET 2

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>Int-1 Development Drainage Plan</b> Sheet 5</p>		<p>checked by: ALS</p>	<p>approved by: ALS</p>
<p>drawing no. <b>INT DEV 1-5</b></p>		<p>scale: 1" = 100' 0 100' 200'</p>	
<p>sheet: 5 of 26</p>		<p>no. revision date by</p>	

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



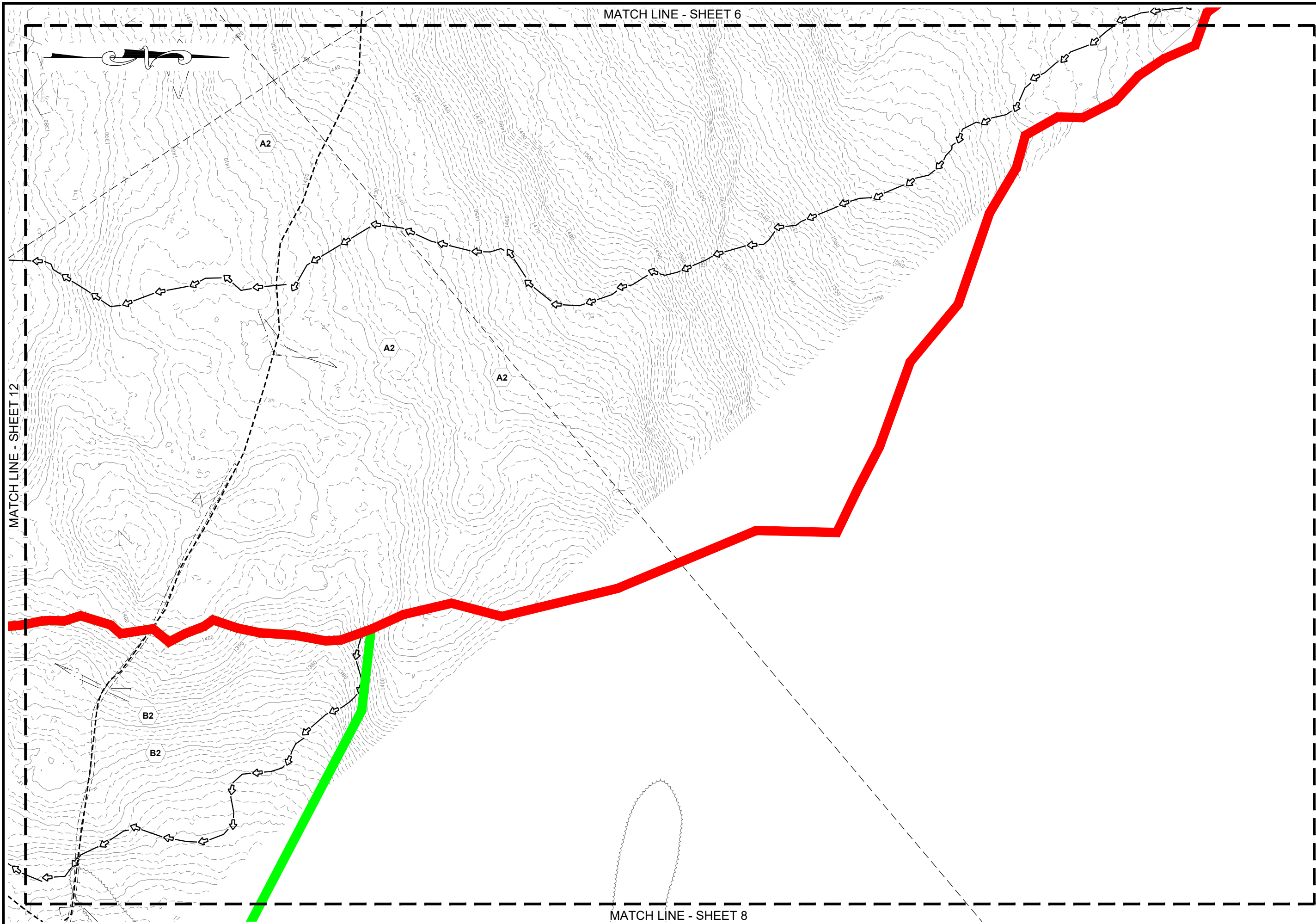
MATCH LINE - SHEET 11

MATCH LINE - SHEET 5

MATCH LINE - SHEET 7

MATCH LINE - SHEET 3

<p><b>Granite State Landfill, LLC.</b>          Dalton, New Hampshire          NHDES Alteration of Terrain          Permit Application          Int-1 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>INT DEV 1-6</b></p>		<p>sheet: 6 of 26</p>		

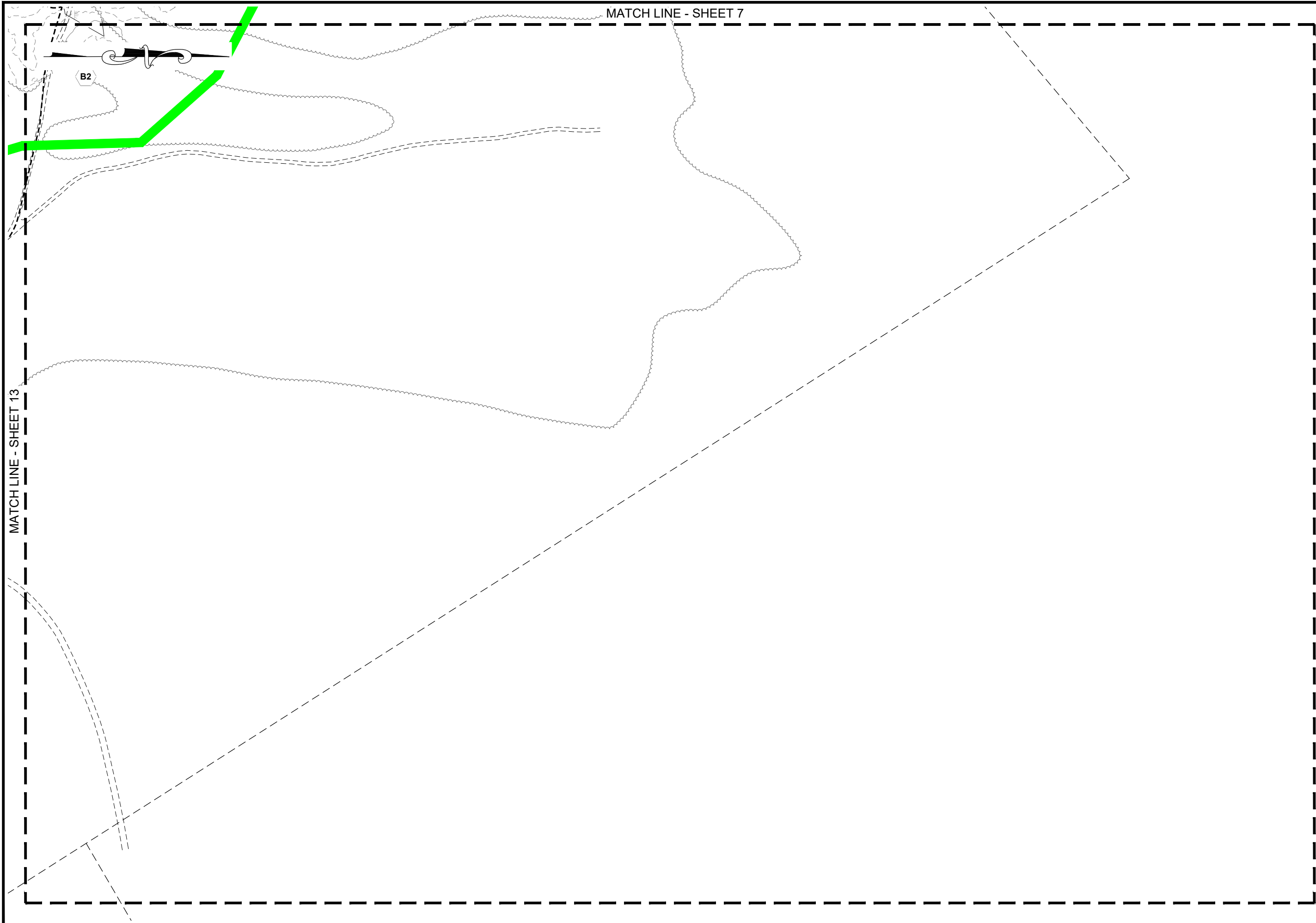


MATCH LINE - SHEET 12

MATCH LINE - SHEET 6

MATCH LINE - SHEET 8

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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>project no: 1101</p>	<p>drawn by: NJM</p>
<p>checked by: AJS</p>	<p>approved by: AJS</p>
<p>scale: 1" = 100'          0 100' 200'</p>	
<p>Granite State Landfill, LLC.          Dalton, New Hampshire          NHDES Alteration of Terrain          Permit Application          Int-1 Development Drainage Plan          Sheet 7</p>	
<p>drawing no. INT DEV 1-7</p>	
<p>sheet: 7 of 26</p>	



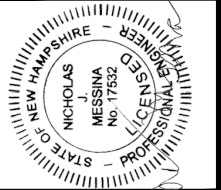
MATCH LINE - SHEET 7

MATCH LINE - SHEET 13

B2

no.	revision	date	by

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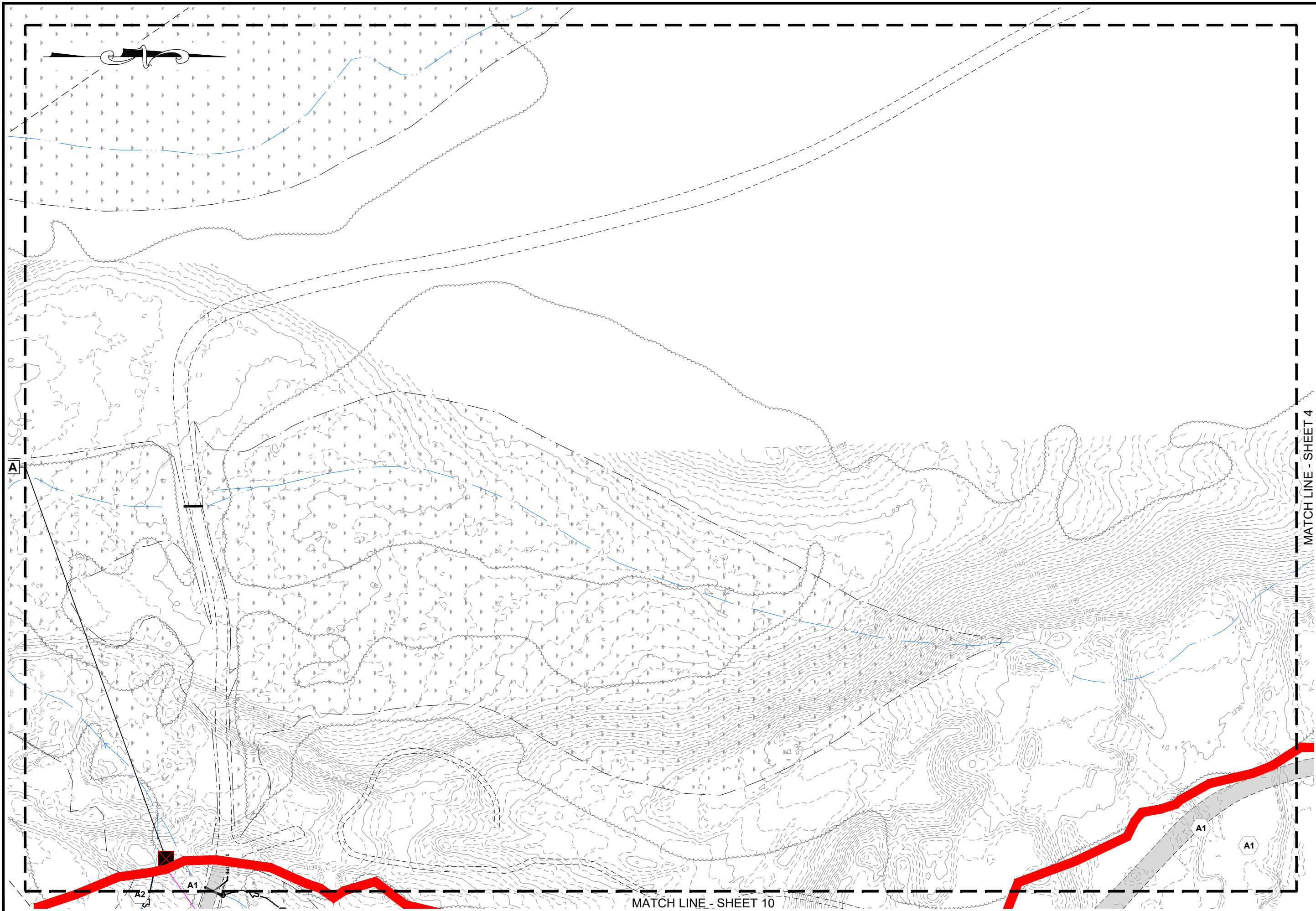
date:	January 2024	designed by:	NJM
project no.:	1101	drawn by:	NJM
checked by:	AJS	approved by:	ALS

scale: 1" = 100'  
 0 100' 200'

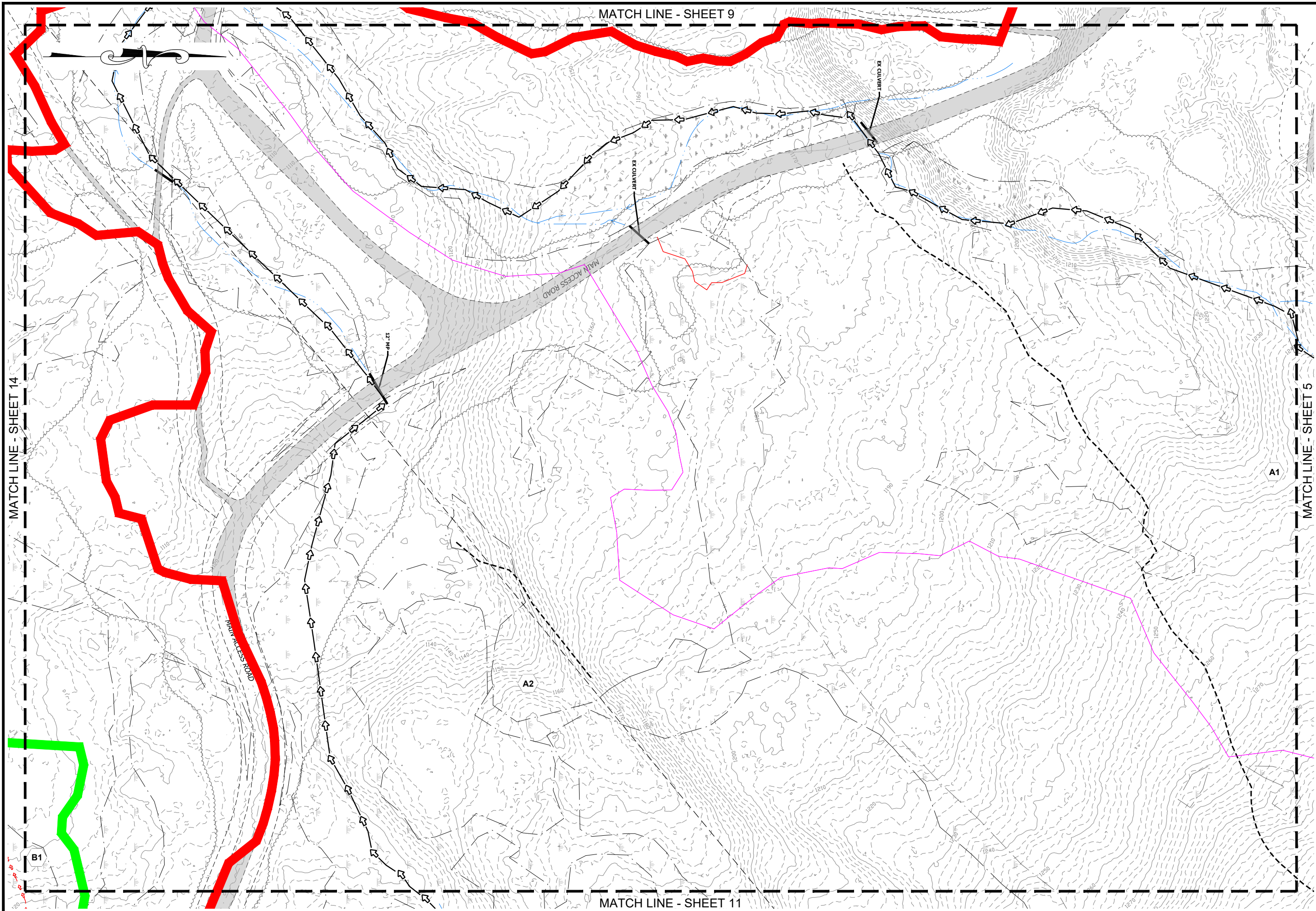
**Granite State Landfill, LLC.**  
 Dalton, New Hampshire  
 NHDES Alteration of Terrain  
 Permit Application  
 Int-1 Development Drainage Plan  
 Sheet 8

drawing no.  
**INT DEV 1-8**  
 sheet: 8 of 26





<b>Granite State Landfill, LLC.</b> Dalton, New Hampshire NHDES Alteration of Terrain Permit Application Int-1 Development Drainage Plan Sheet 9		designed by: NJM drawn by: NJM checked by: ALS approved by: ALS	date: January 2024 project no: 1101 checked by: ALS	scale: 1" = 100' 1" = 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		STATE OF NEW HAMPSHIRE NICHOLAS J. MESSINA No. 17552 LICENSED PROFESSIONAL ENGINEER		
<b>INT DEV 1-9</b>		drawing no. sheet: 9 of 26		



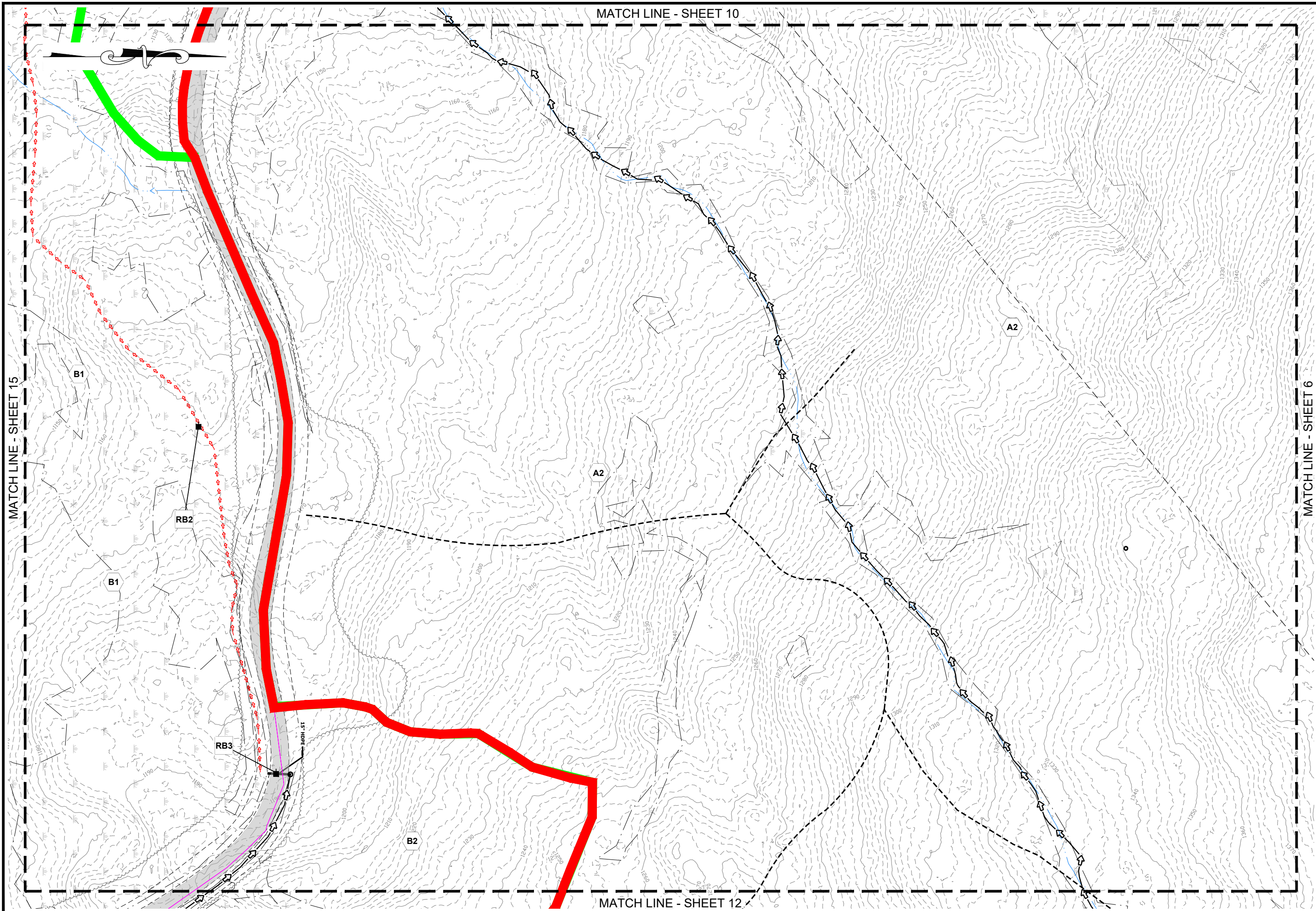
MATCH LINE - SHEET 14

MATCH LINE - SHEET 9

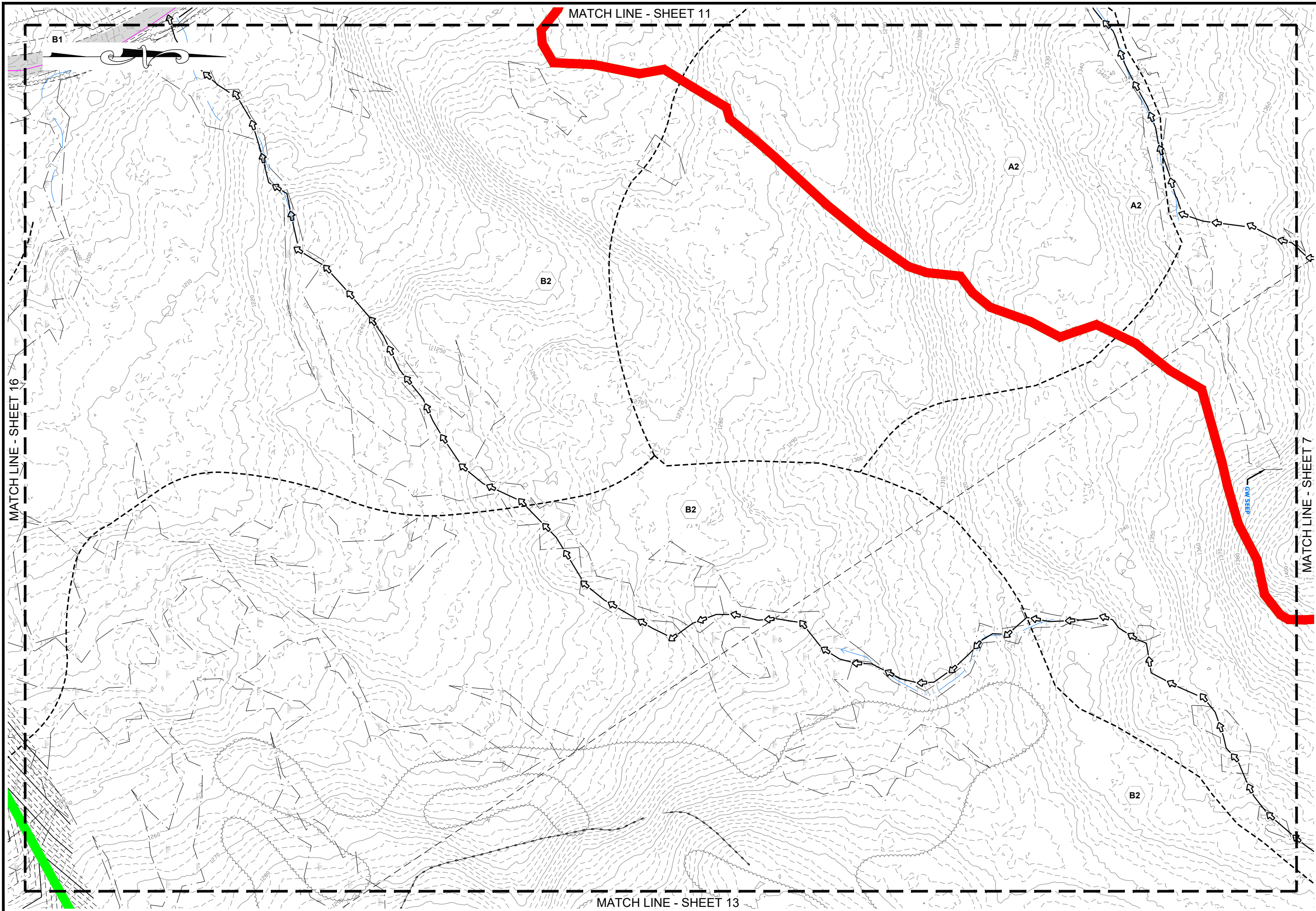
MATCH LINE - SHEET 5

MATCH LINE - SHEET 11

<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 Permit Application</b></p>		<p>drawn by: NJM</p>	<p>project no: 1101</p>
<p><b>Int-1 Development Drainage Plan Sheet 10</b></p>		<p>approved by: ALS</p>	<p>checked by: ALS</p>
<p>drawing no: <b>INT DEV 1-10</b></p>		<p>scale: 0 100' 200' Scale: 1" = 100'</p>	
<p>sheet: 10 of 26</p>		<p>no. revision date by</p>	
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<b>Granite State Landfill, LLC.</b> Dalton, New Hampshire NHDES Alteration of Terrain Permit Application Int-1 Development Drainage Plan Sheet 11		date: January 2024 project no.: 1101 checked by: ALS	designed by: NJM drawn by: NJM approved by: ALS	scale: 1" = 100' 1" = 200'	no. revision date by
<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. 17552 LICENSED PROFESSIONAL ENGINEER			
drawing no. <b>INT DEV 1-11</b>					
sheet: 11 of 26					


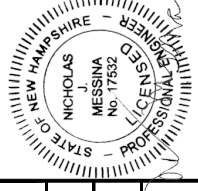


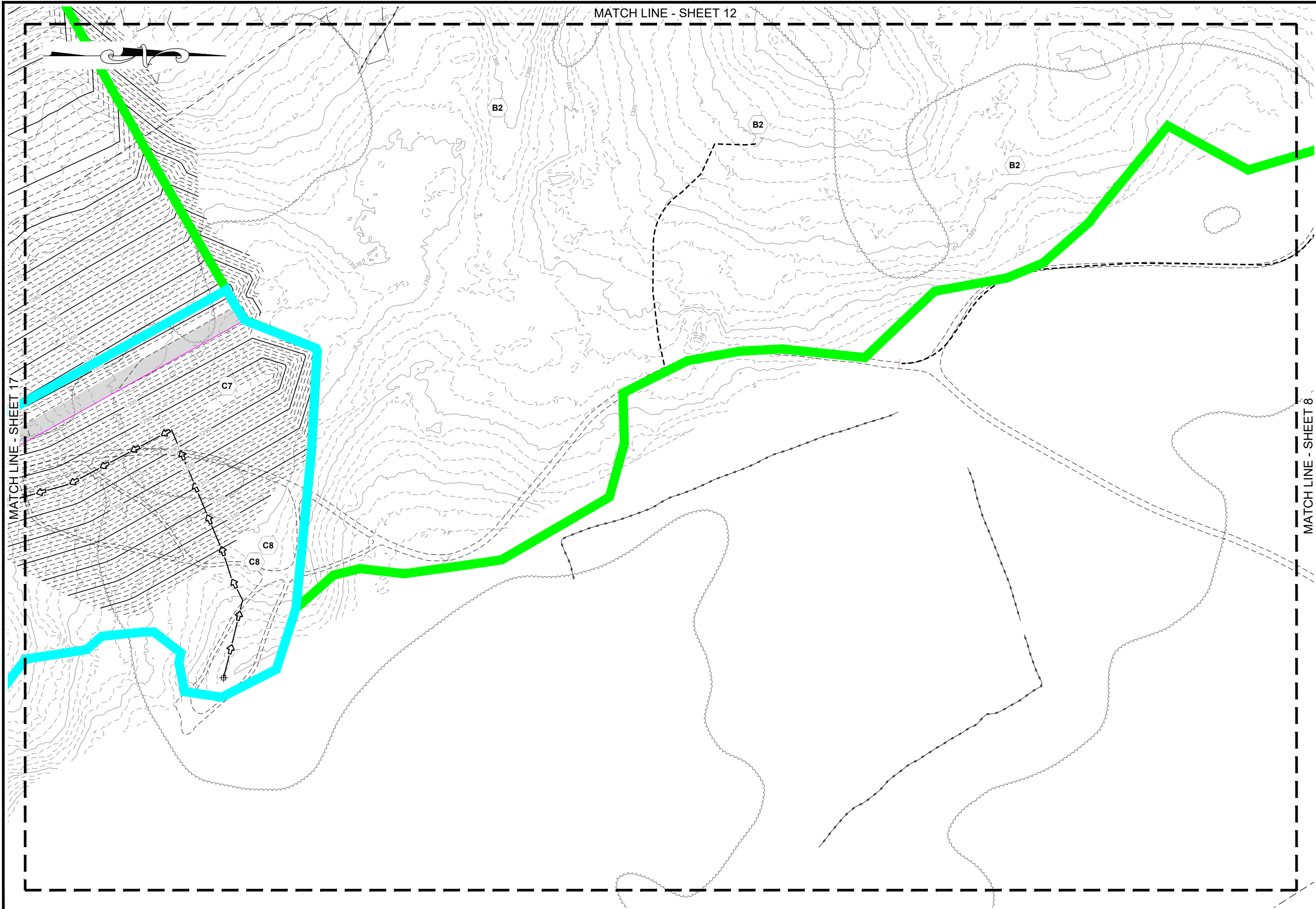
MATCH LINE - SHEET 16

MATCH LINE - SHEET 11

MATCH LINE - SHEET 7

MATCH LINE - SHEET 13

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Granite State Landfill, LLC. Dalton, New Hampshire		NHDES Alteration of Terrain Permit Application		date: January 2024		project no.: 1101		checked by: ALS		drawing no. <b>INT DEV 1-12</b>	
Int-1 Development Drainage Plan Sheet 12				sheet: 12 of 26		no.		revision		date	



MATCH LINE - SHEET 17

MATCH LINE - SHEET 12

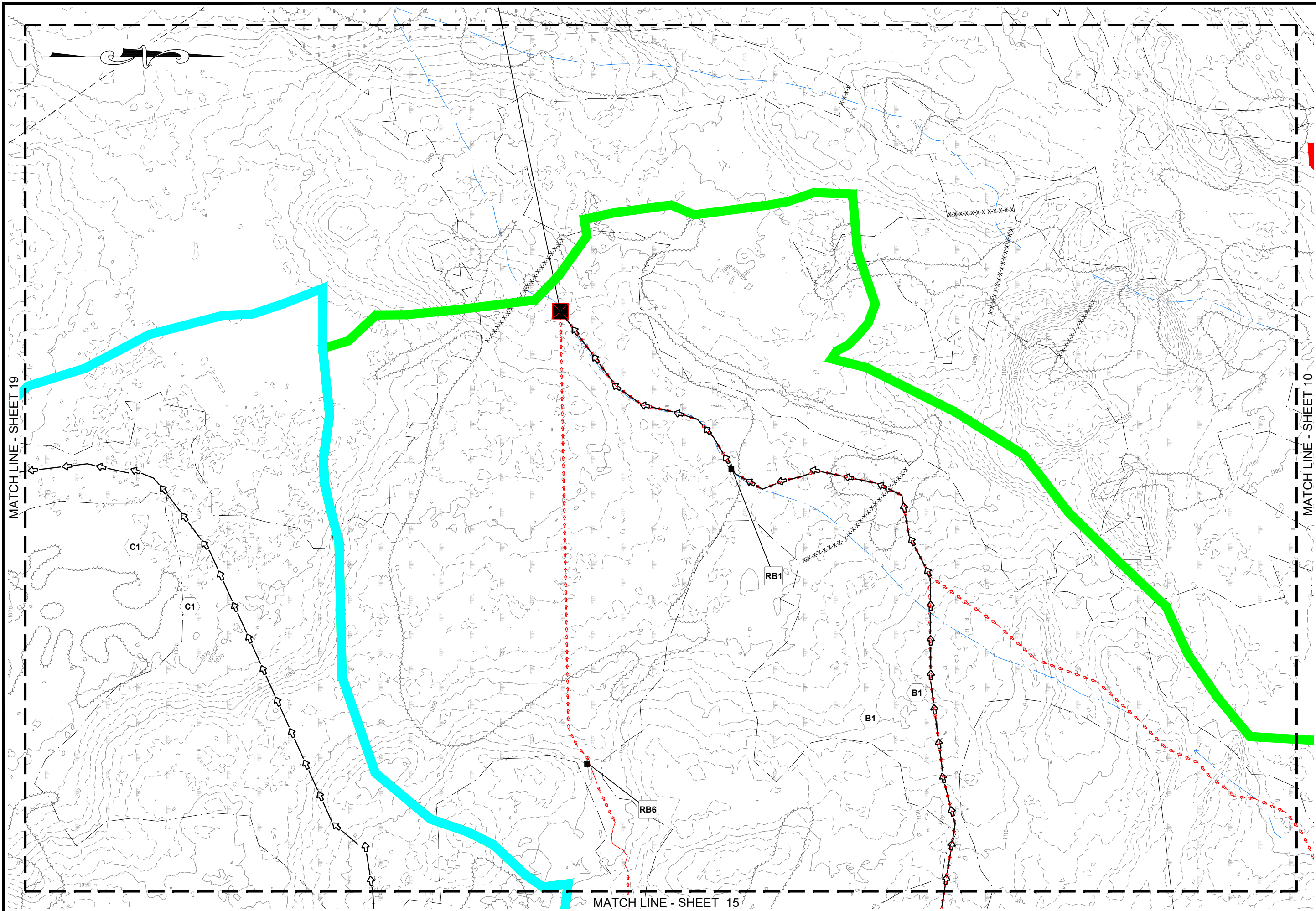
MATCH LINE - SHEET 8

<p><b>Granite State Landfill, LLC.</b> Dalton, New Hampshire</p>		<p>date: January 2024</p>	<p>designed by: NJM</p>
<p><b>NHDES Alteration of Terrain Permit Application</b></p>		<p>project no: 1101</p>	<p>drawn by: NJM</p>
<p><b>Int-1 Development Drainage Plan Sheet 13</b></p>		<p>checked by: ALS</p>	<p>approved by: ALS</p>
<p>drawing no: INT DEV 1-13</p>		<p>scale: 1" = 100'</p>	
<p>sheet: 13 of 26</p>		<p>scale: 1" = 100'</p>	

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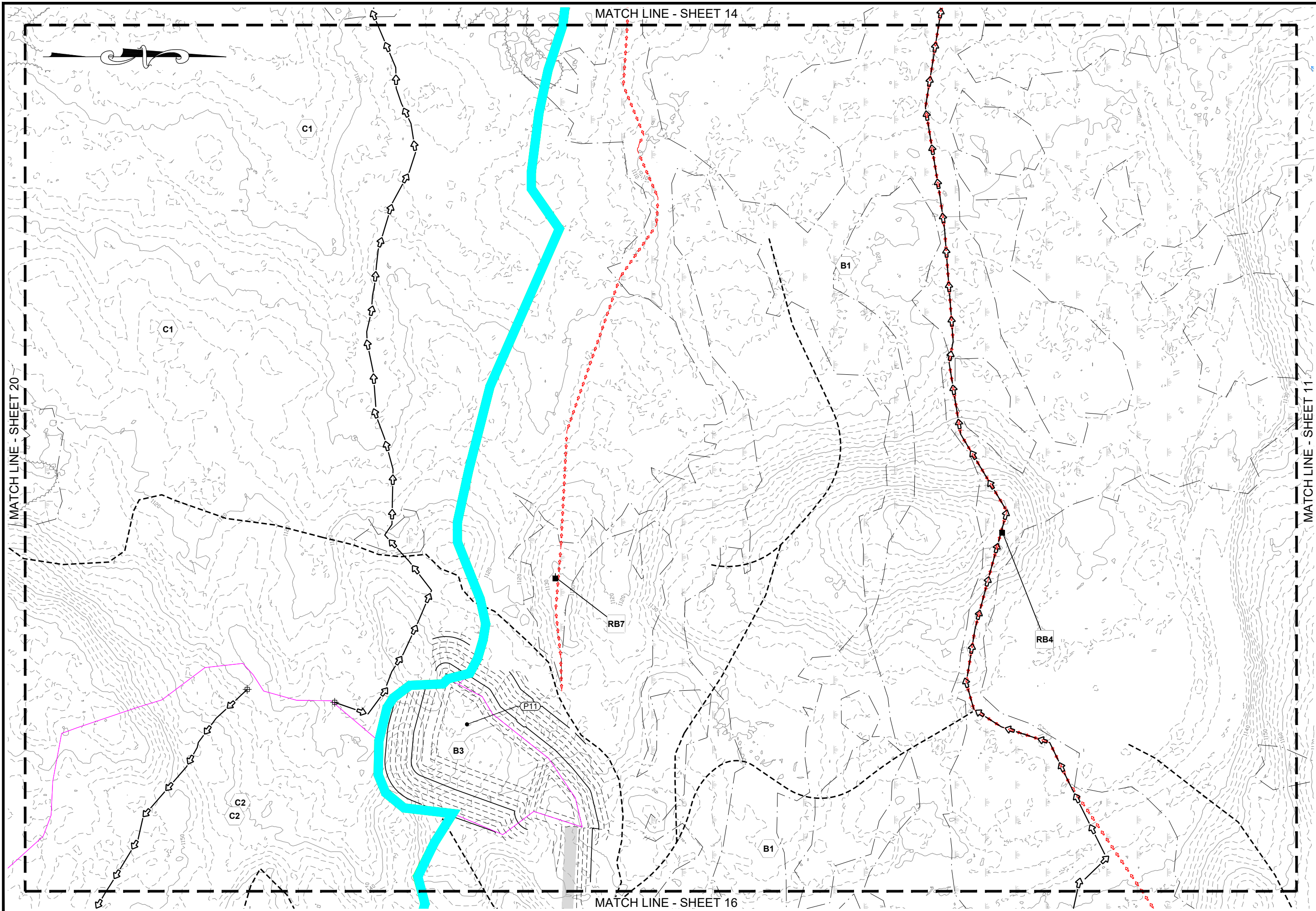
MATCHLINE - SHEET 19

MATCHLINE - SHEET 10

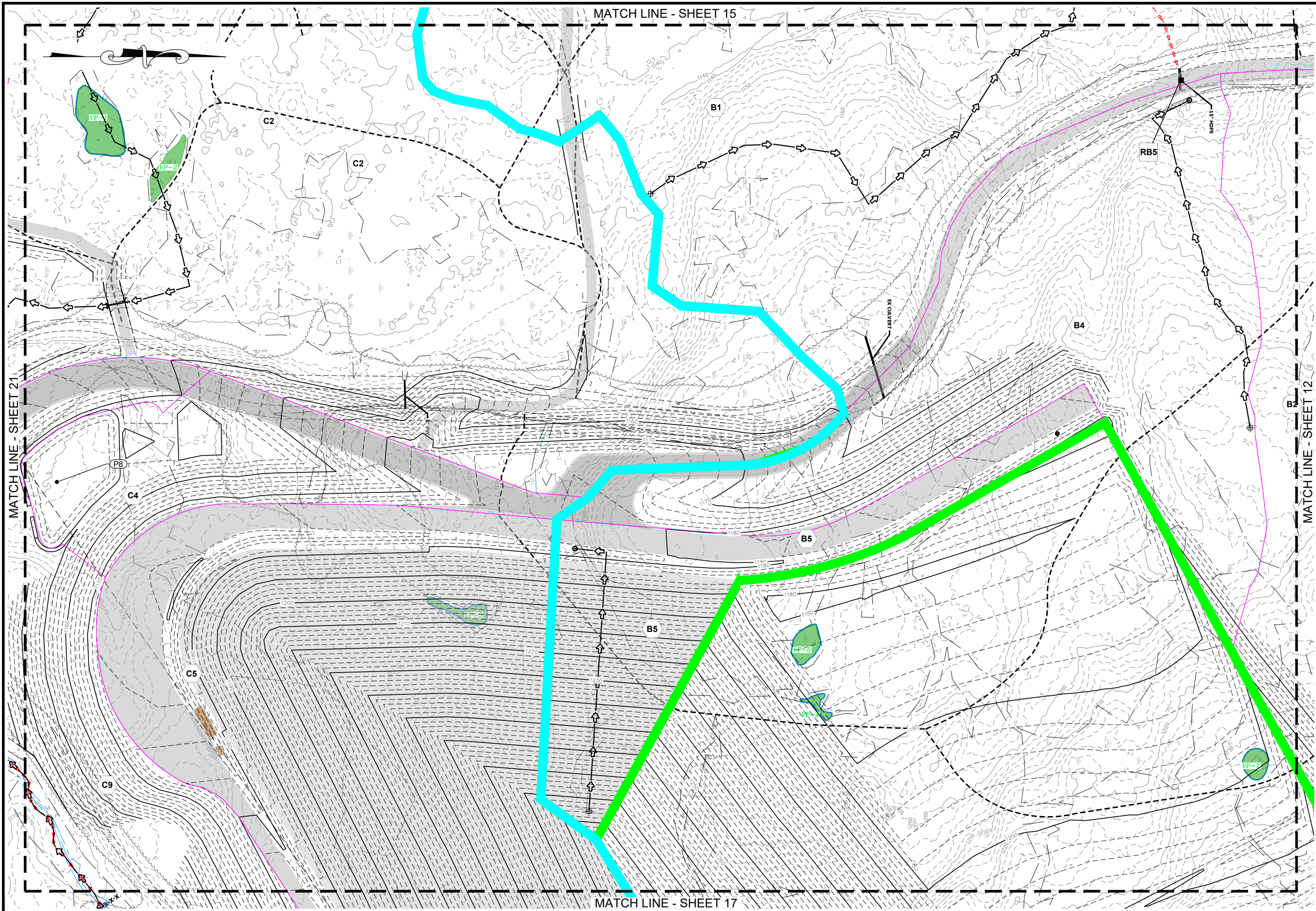
MATCHLINE - SHEET 15

<p><b>Granite State Landfill, LLC.</b> Dalton, New Hampshire</p>		<p>date: January 2024</p>	<p>designed by: NJM</p>
<p><b>NHDES Alteration of Terrain</b> Permit Application</p>		<p>project no: 1101</p>	<p>drawn by: NJM</p>
<p><b>Int-1 Development Drainage Plan</b> Sheet 14</p>		<p>checked by: AUS</p>	<p>approved by: AUS</p>
<p>drawing no: <b>INT DEV 1-14</b></p>		<p>scale: 1" = 100' 100' 200'</p>	
<p>sheet: 14 of 26</p>		<p>no. revision date by</p>	

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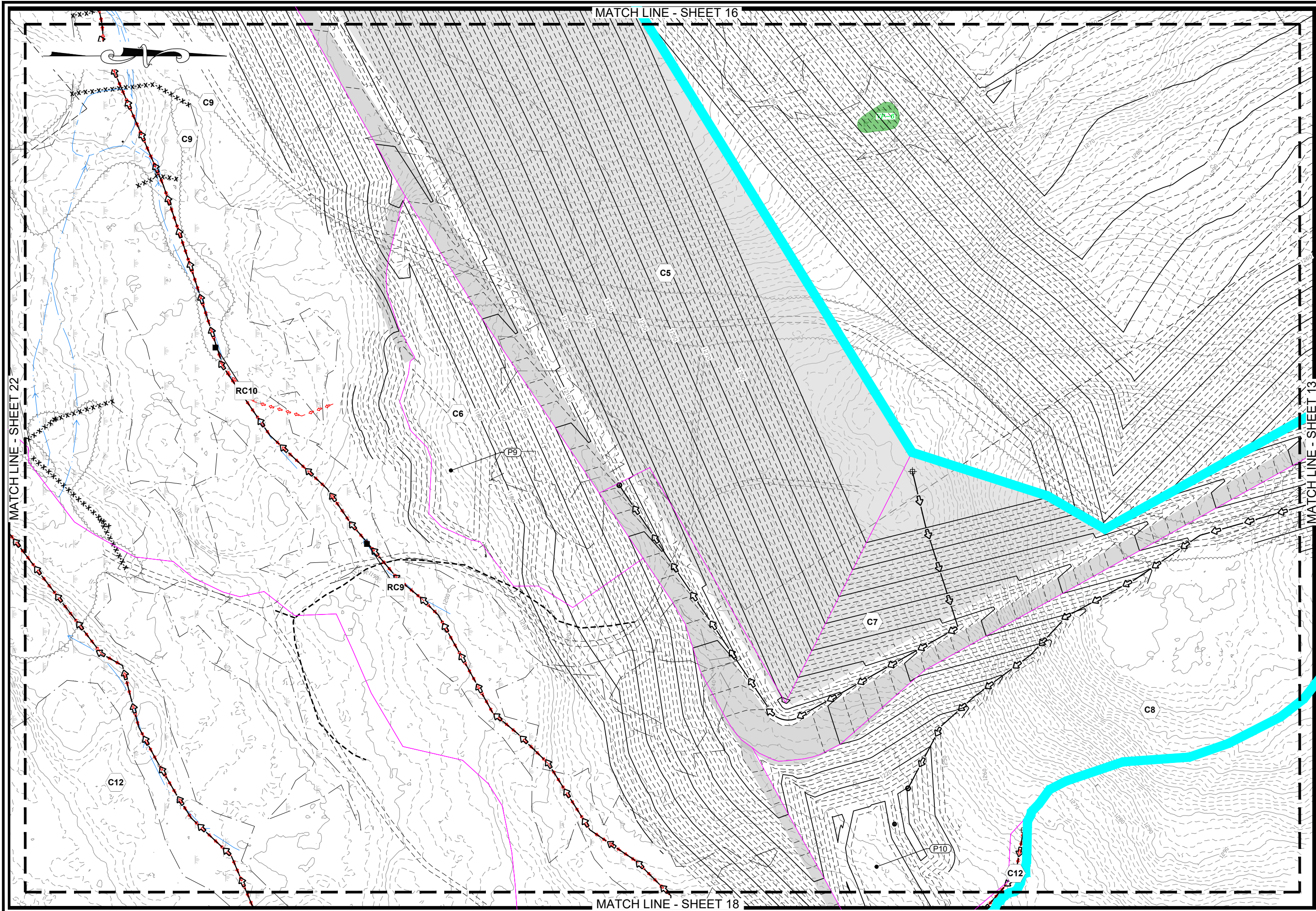


<p><b>Granite State Landfill, LLC.</b>          Dalton, New Hampshire          NHDES Alteration of Terrain          Permit Application          Int-1 Development Drainage Plan          Sheet 15</p>		<p>date: January 2024          project no: 1101          checked by: AUS</p>		<p>designed by: NJM          drawn by: NJM          approved by: AUS</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>STATE OF NEW HAMPSHIRE          NICHOLAS J. MESSINA          No. 17552          LICENSED PROFESSIONAL ENGINEER</p>		<p>no. _____          revision _____          date _____          by _____</p>		<p>drawing no.  <b>INT DEV 1-15</b></p>	
<p>sheet: 15 of 26</p>		<p>M:\CADD\PROJECTS\1101.03_GSL_Phase 1_SW_App-REV1\Production\H&amp;H\1101 INT-DEV 1 WSP.dwg Date Plotted: Jan 29, 2024 - 2:45pm Plotted By: NMESSINA</p>					



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<p>Granite State Landfill, LLC.          Dalton, New Hampshire          NHDES Alteration of Terrain          Permit Application</p>				<p>Int-1 Development Drainage Plan          Sheet 16</p>					
<p>drawing no. INT DEV 1-16</p>								<p>sheet: 16 of 26</p>	





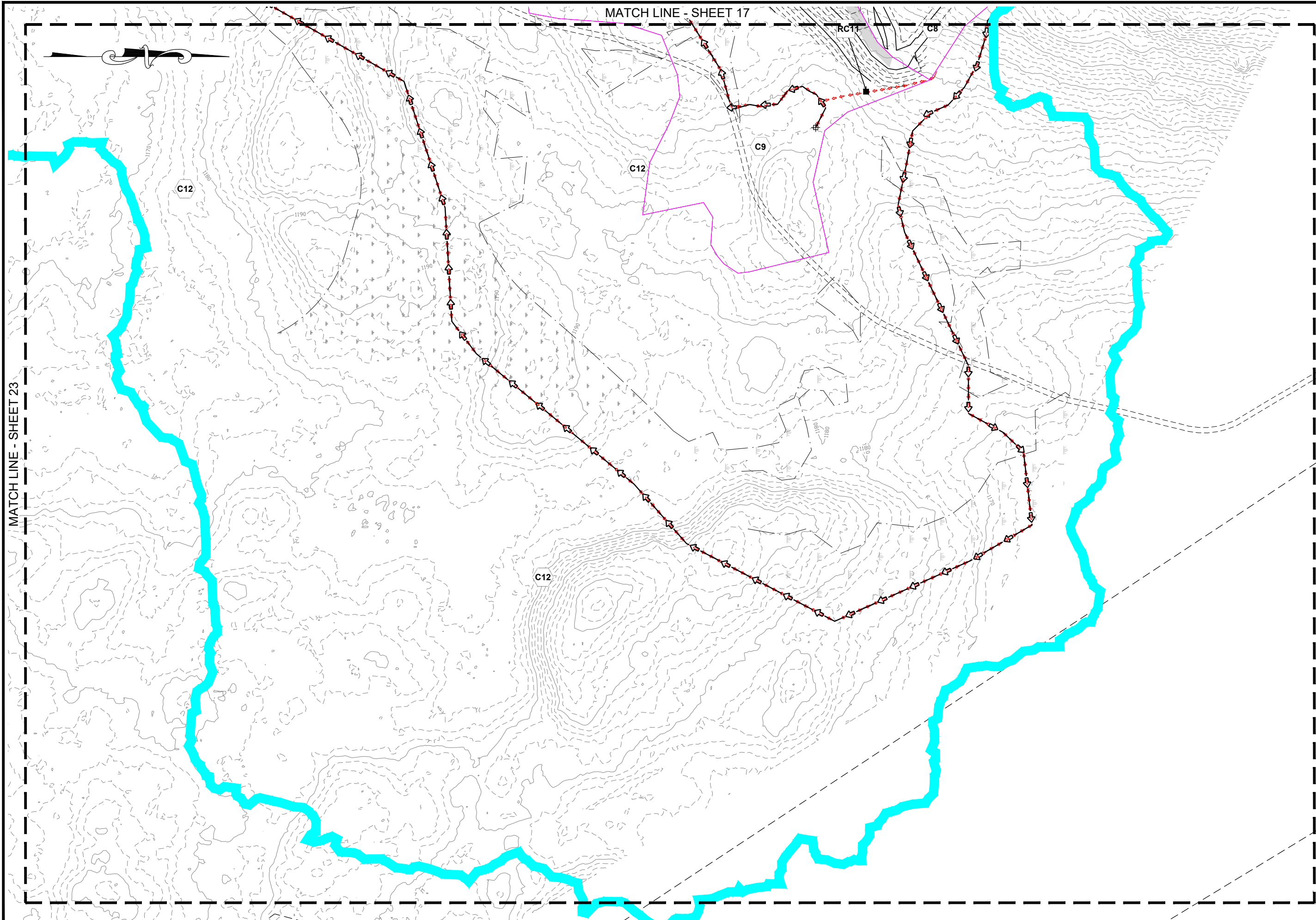
MATCH LINE - SHEET 16

MATCH LINE - SHEET 22

MATCH LINE - SHEET 13

MATCH LINE - SHEET 18

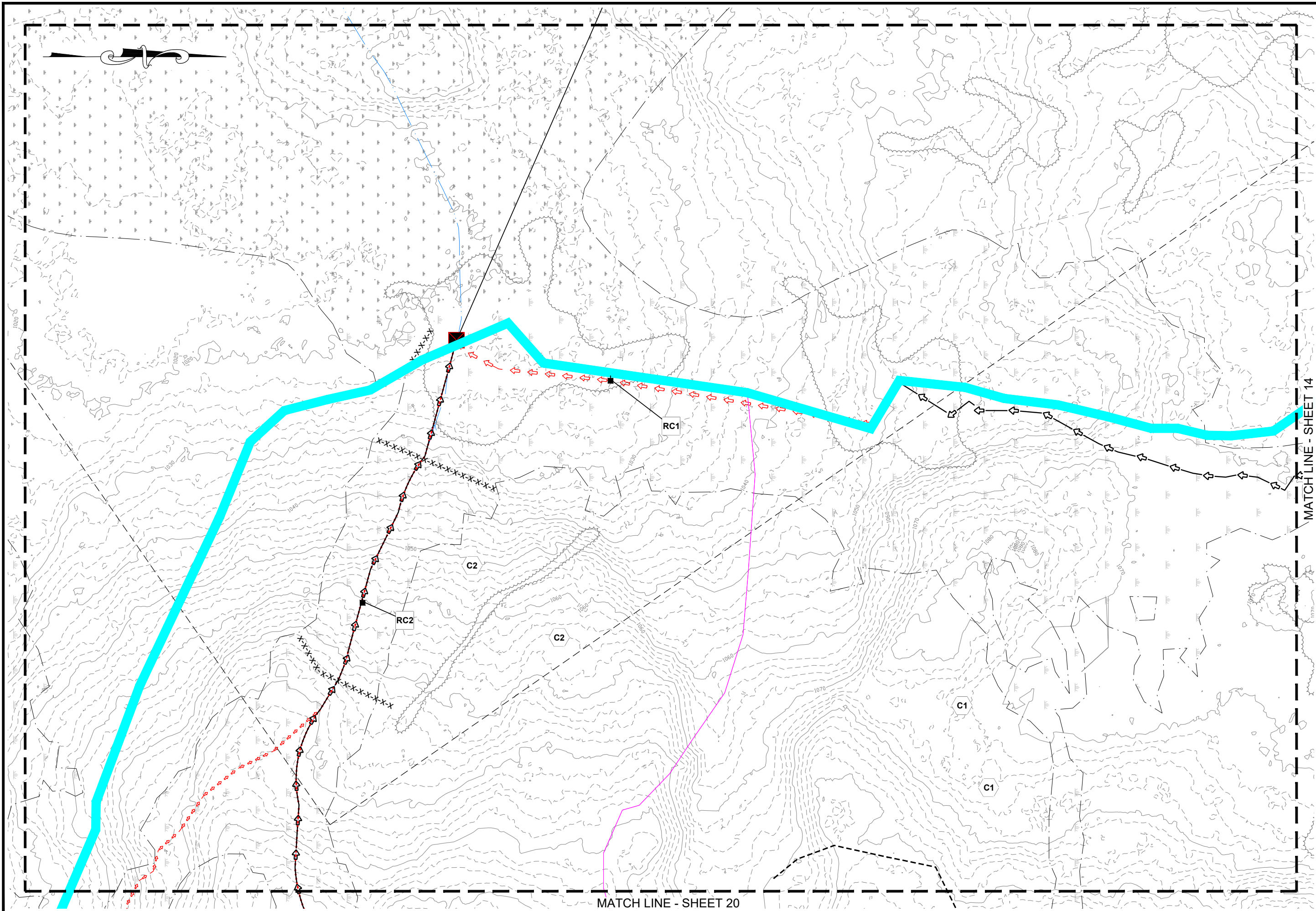
<p><b>Granite State Landfill, LLC.</b> Dalton, New Hampshire</p>		<p>designed by: NJM</p>	<p>date: January 2024</p>
<p><b>NHDES Alteration of Terrain</b> Permit Application</p>		<p>drawn by: NJM</p>	<p>project no: 1101</p>
<p><b>Int-1 Development Drainage Plan</b> Sheet 17</p>		<p>checked by: ALS</p>	<p>approved by: ALS</p>
<p>drawing no: <b>INT DEV 1-17</b></p>		<p>scale: 1" = 100' 0 100' 200'</p>	
<p>sheet: 17 of 26</p>		<p>no. revision date by</p>	
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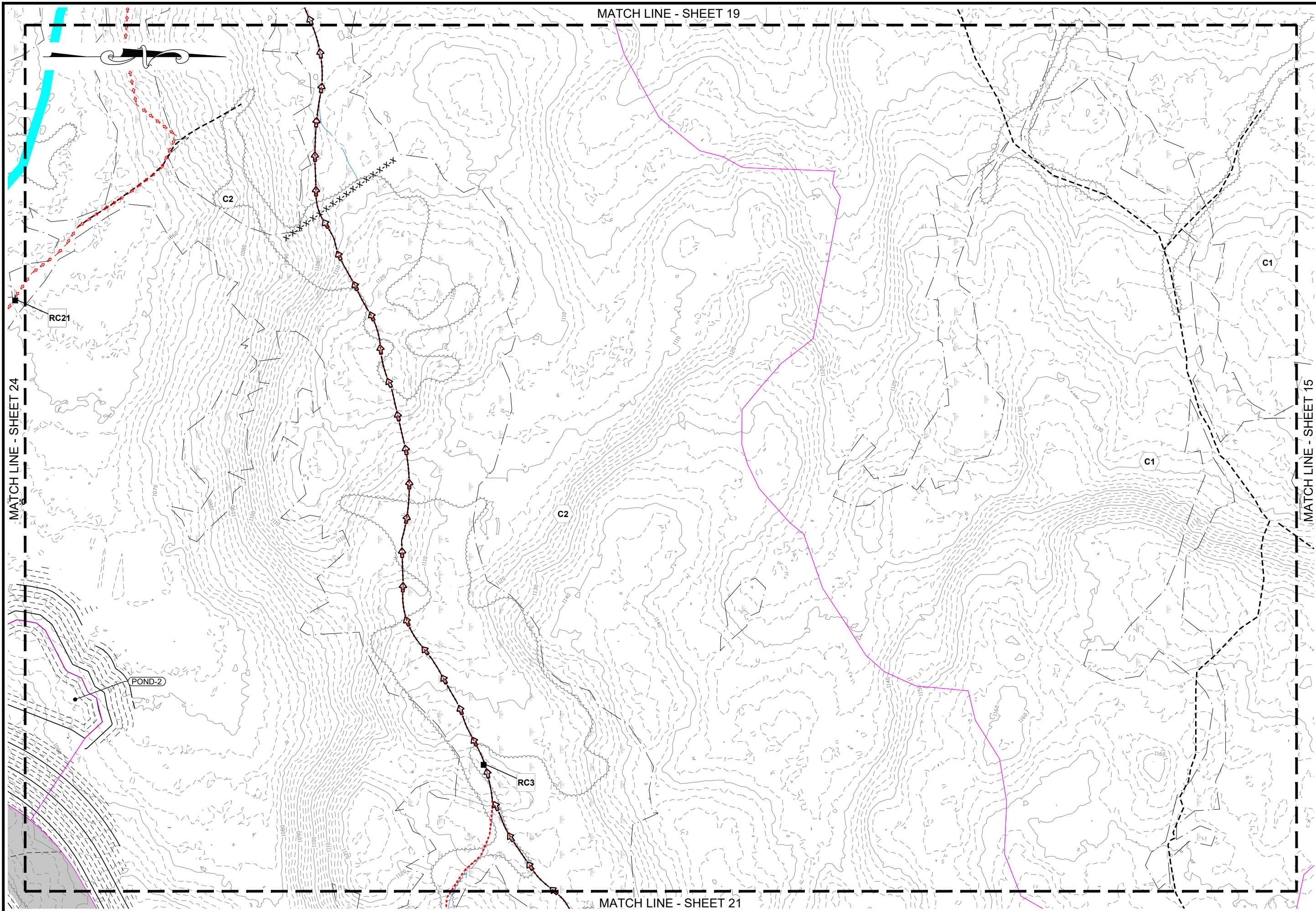
MATCH LINE - SHEET 23

MATCH LINE - SHEET 17

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<p>date: January 2024          project no: 1101          checked by: ALS</p>		<p>no. _____          revision _____          date _____          by _____</p>		
<p>STATE OF NEW HAMPSHIRE          NICHOLAS J. MESSINA          No. 17552          LICENSED PROFESSIONAL ENGINEER</p>				
<p>Granite State Landfill, LLC.          Dalton, New Hampshire          NHDES Alteration of Terrain          Permit Application</p>		<p>Int-1 Development Drainage Plan          Sheet 18</p>		
<p>drawing no. INT DEV 1-18</p>				
<p>sheet: 18 of 26</p>				



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<b>Granite State Landfill, LLC.</b> <b>Dalton, New Hampshire</b> <b>NHDES Alteration of Terrain</b> <b>Permit Application</b>		<b>Int-1 Development Drainage Plan</b> <b>Sheet 19</b>			
drawing no. <b>INT DEV 1-19</b>		sheet: 19 of 26			



MATCH LINE - SHEET 24

MATCH LINE - SHEET 19

MATCH LINE - SHEET 15

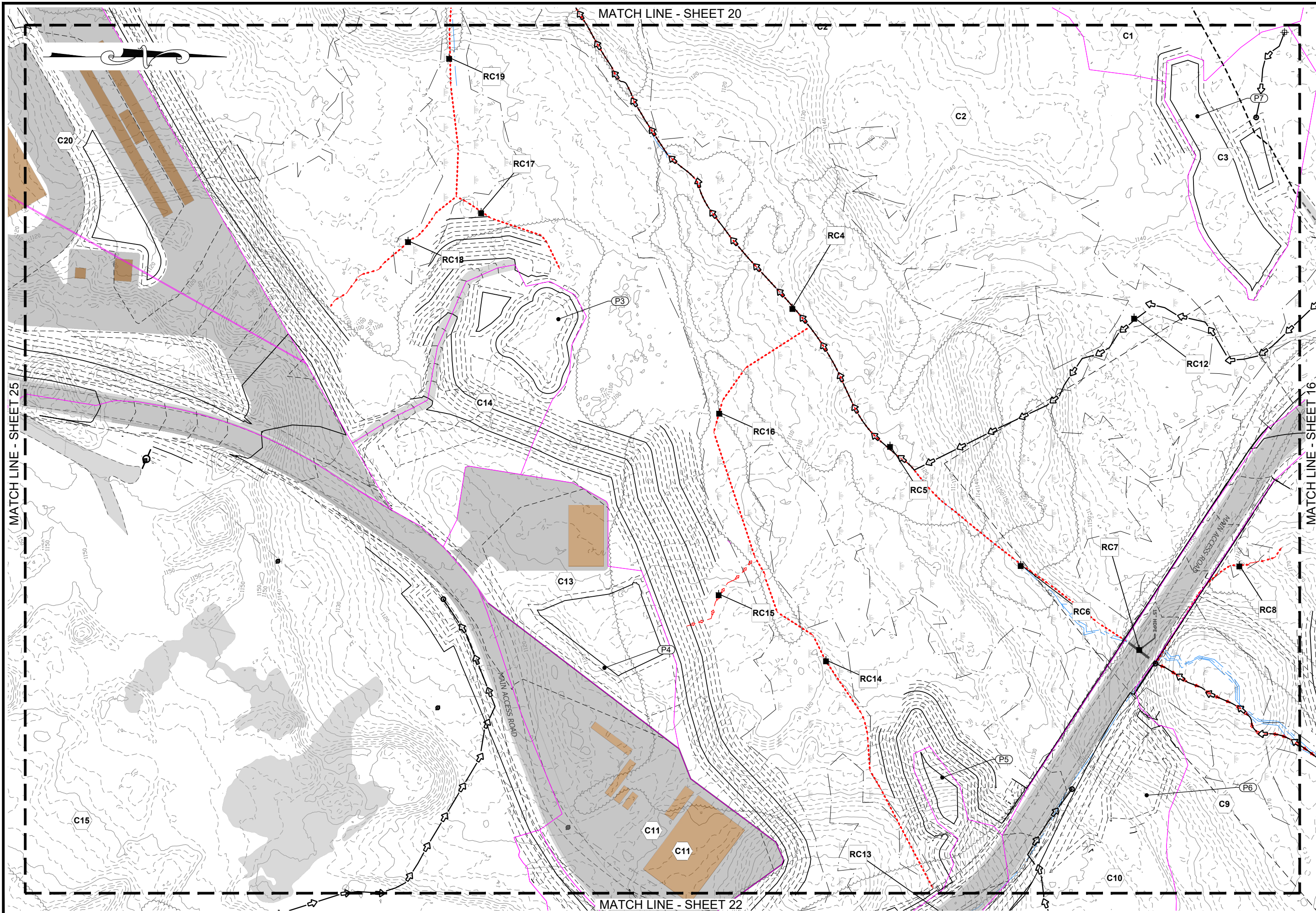
MATCH LINE - SHEET 21

<p><b>Granite State Landfill, LLC.</b> Dalton, New Hampshire</p>		<p>date: January 2024</p>	<p>designed by: NJM</p>
<p><b>NHDES Alteration of Terrain</b> Permit Application</p>		<p>project no: 1101</p>	<p>drawn by: NJM</p>
<p><b>Int-1 Development Drainage Plan</b> Sheet 20</p>		<p>checked by: ALS</p>	<p>approved by: ALS</p>
<p>drawing no: <b>INT DEV 1-20</b></p>		<p>scale: 1" = 100'</p>	
<p>sheet: 20 of 26</p>		<p>no. revision date by</p>	

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



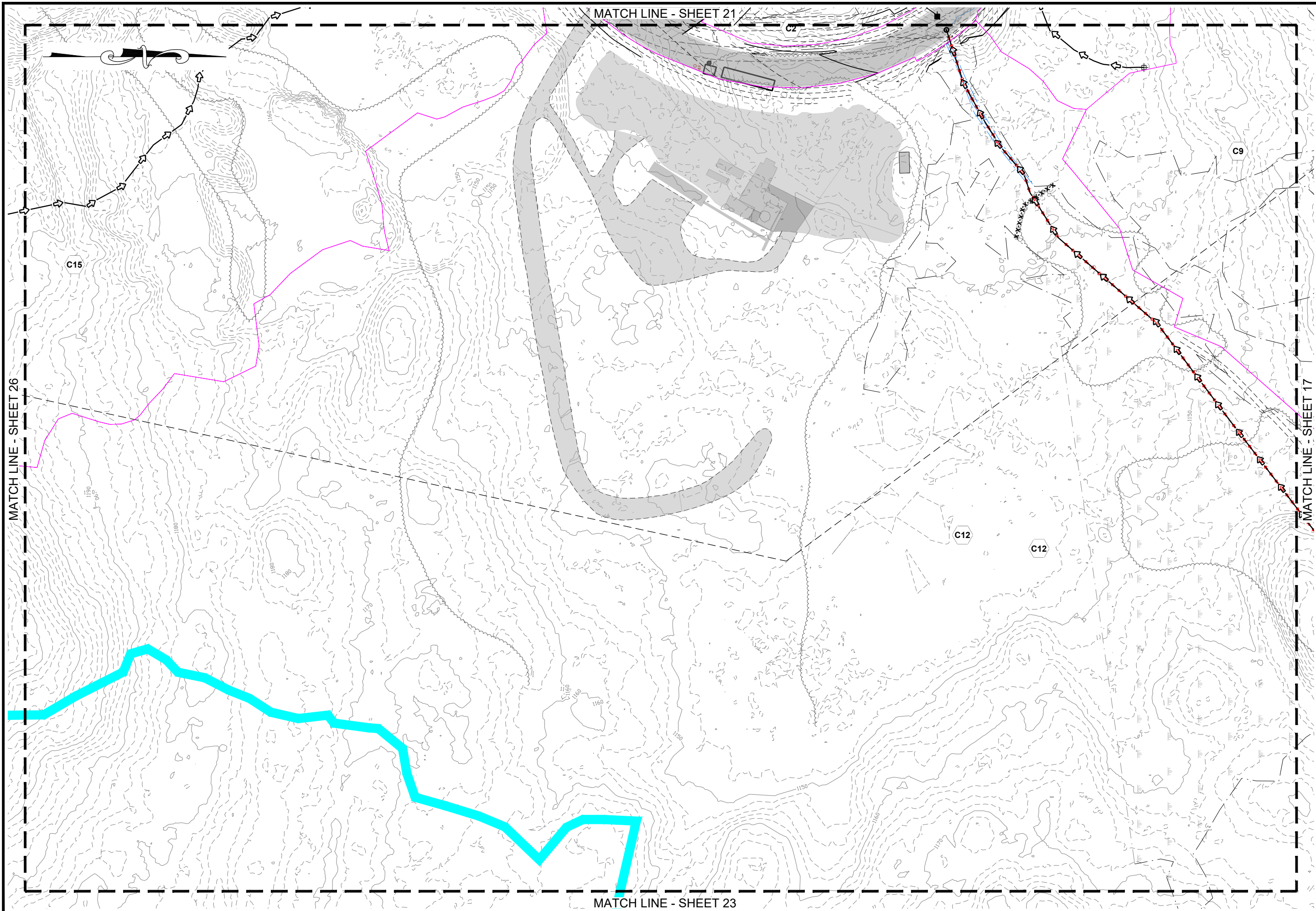
MATCH LINE - SHEET 20

MATCH LINE - SHEET 25

MATCH LINE - SHEET 16

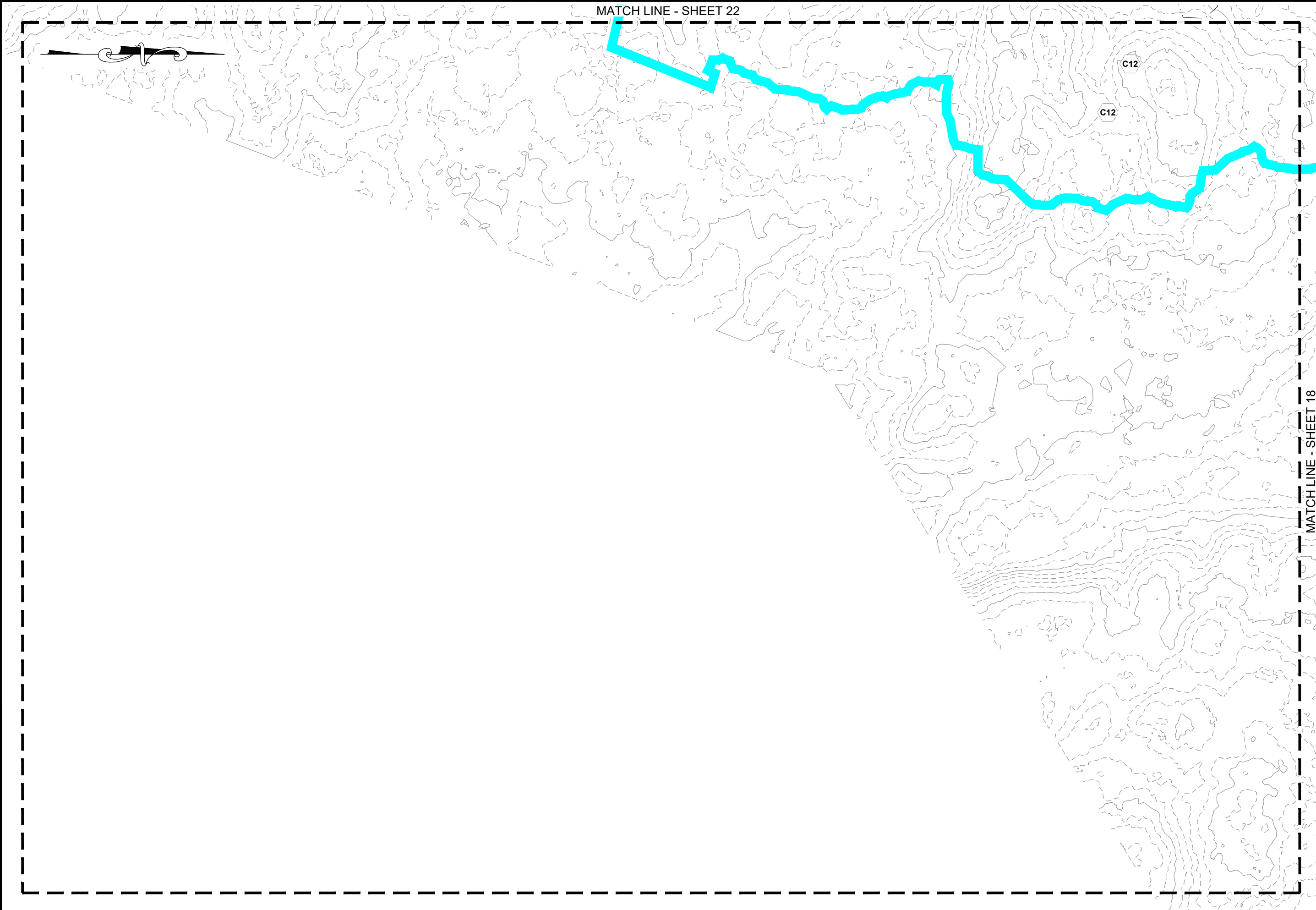
MATCH LINE - SHEET 22

<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>NICHOLAS J. MESSINA</b>          LICENSED PROFESSIONAL ENGINEER          No. 17552          STATE OF NEW HAMPSHIRE</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>INT DEV 1-21</b></p>
<p><b>Granite State Landfill, LLC.</b>          Dalton, New Hampshire          NHDES Alteration of Terrain          Permit Application          Int-1 Development Drainage Plan          Sheet 21</p>		<p>sheet: 21 of 26</p>



<b>Granite State Landfill, LLC.</b> Dalton, New Hampshire NHDES Alteration of Terrain Permit Application Int-1 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'
<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. 78532 LICENSED PROFESSIONAL ENGINEER		
drawing no. <b>INT DEV 1-22</b>		sheet: 22 of 26		

MATCH LINE - SHEET 22

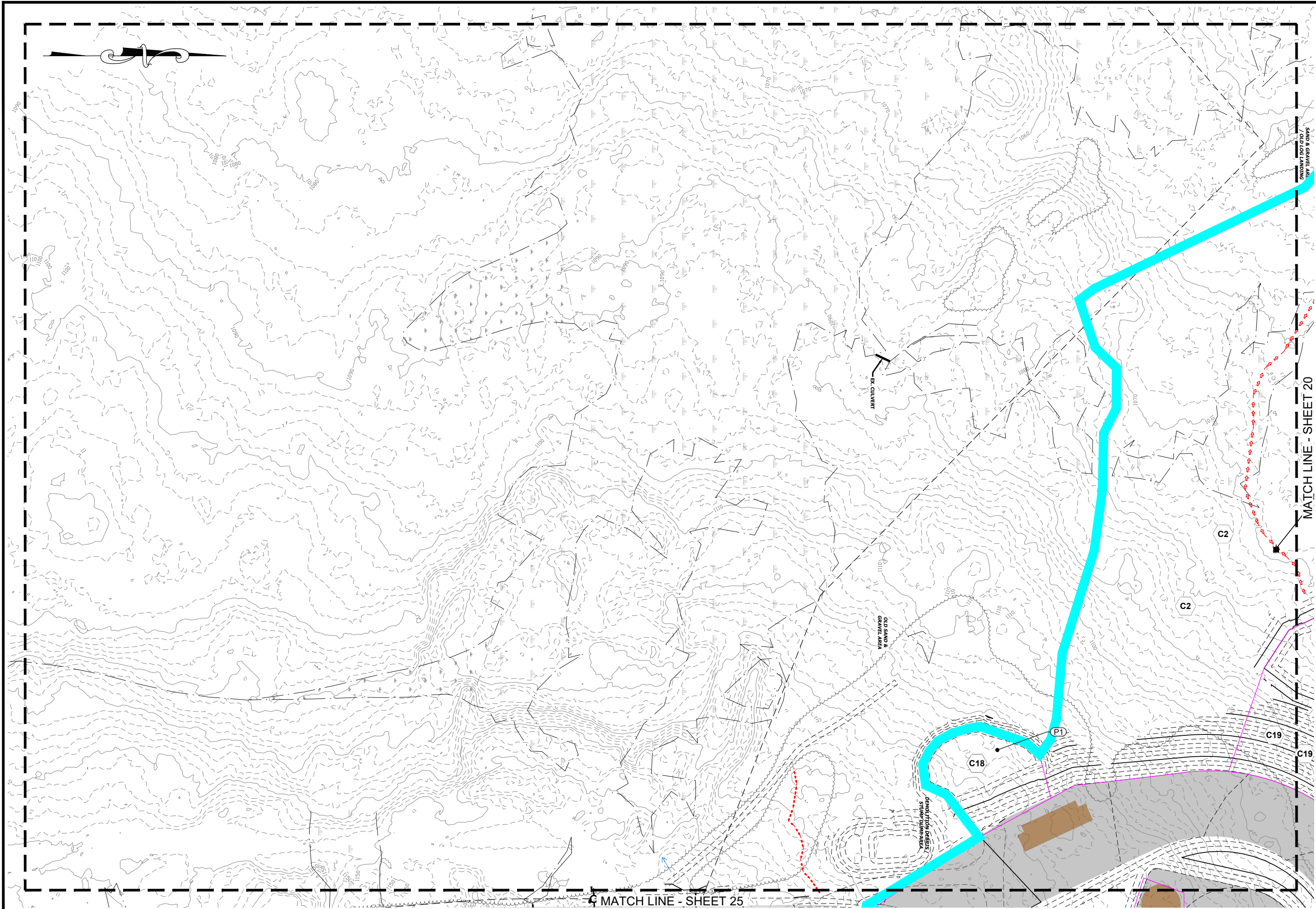


MATCH LINE - SHEET 18

<b>Granite State Landfill, LLC.</b> Dalton, New Hampshire NHDES Alteration of Terrain Permit Application Int-1 Development Drainage Plan Sheet 23		date: January 2024	designed by: NJM
		project no: 1101	drawn by: NJM
		checked by: AJS	approved by: AJS
		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 c m a e n g i n e e r s . c o m		no.	revision
		by	date

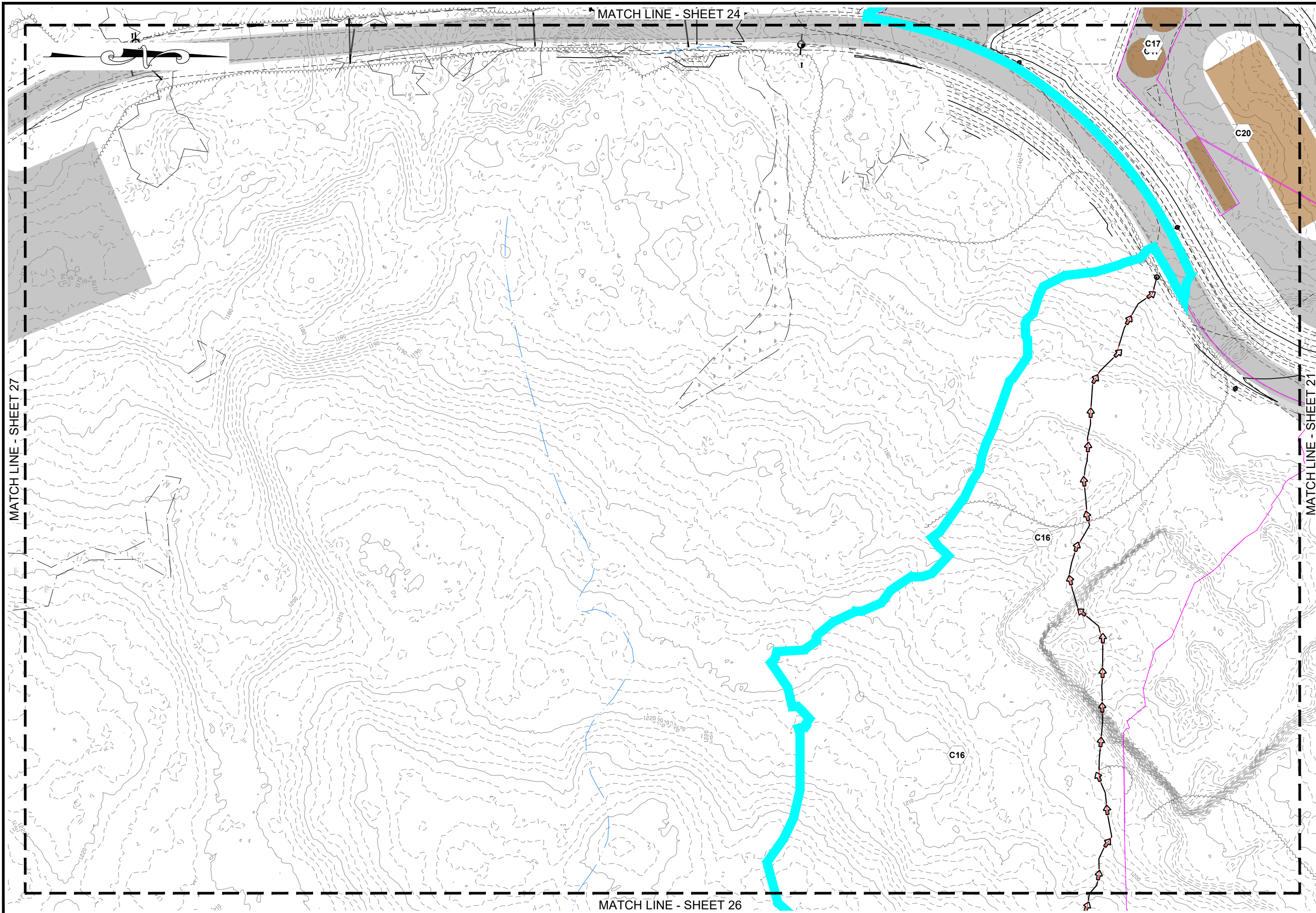
drawing no. INT DEV 1-23

sheet: 23 of 26



<p><b>Granite State Landfill, LLC.</b>          Dalton, New Hampshire          NHDES Alteration of Terrain          Permit Application          Int-1 Development Drainage Plan          Sheet 24</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. 17532          LICENSED PROFESSIONAL ENGINEER</p>		
<p>drawing no:  <b>INT DEV 1-24</b></p>		<p>sheet: 24 of 26</p>		





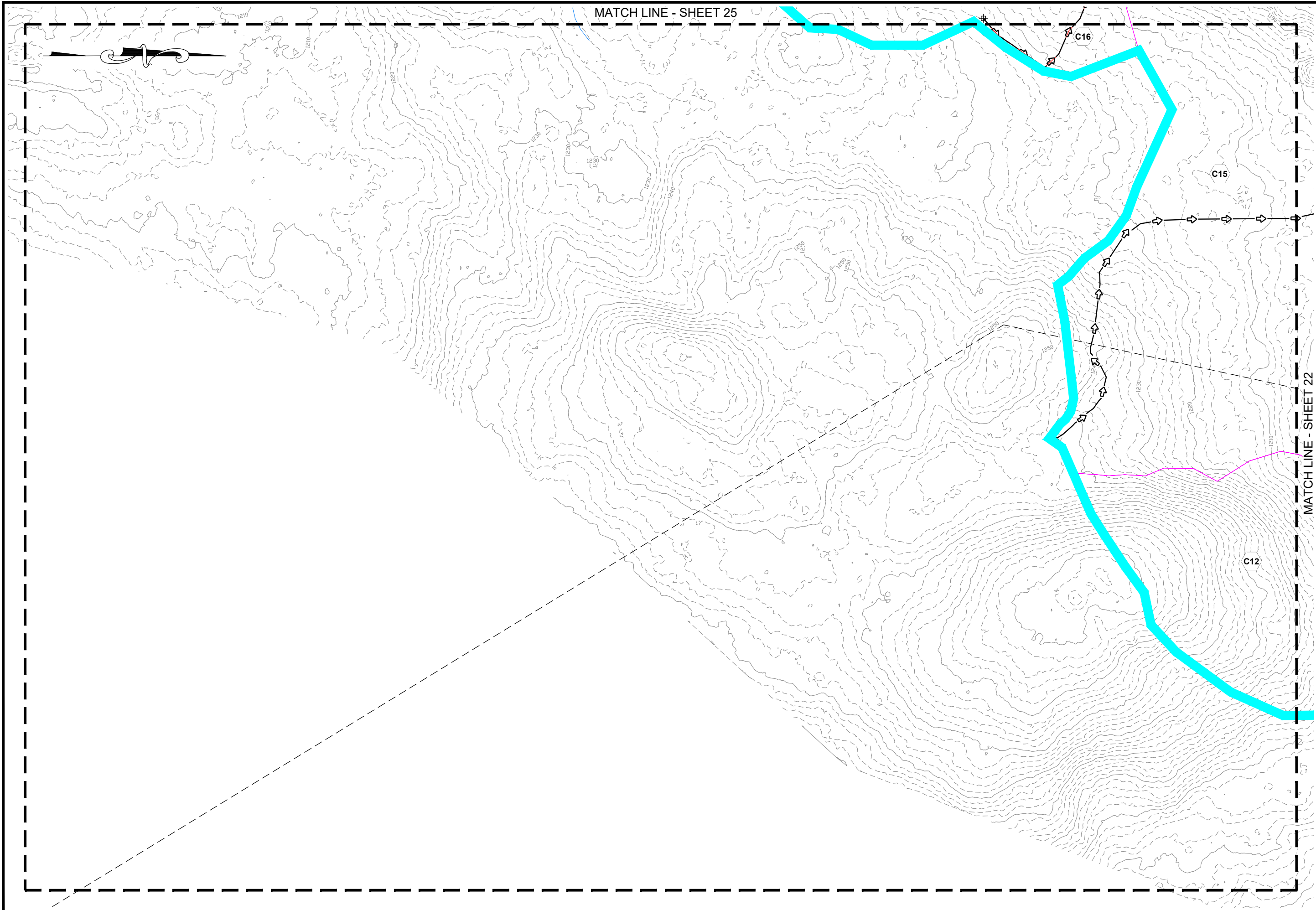
MATCH LINE - SHEET 27

MATCH LINE - SHEET 24

MATCH LINE - SHEET 21

MATCH LINE - SHEET 26

<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. _____</p> <p>revision _____</p> <p>date _____</p> <p>by _____</p>
<p><b>STATE OF NEW HAMPSHIRE</b>          NICHOLAS J. MESSINA          No. 17532          LICENSED PROFESSIONAL ENGINEER</p>		<p>no. _____</p> <p>revision _____</p> <p>date _____</p> <p>by _____</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: 1" = 200'</p>
<p>checked by: ALS</p>	<p>approved by: ALS</p>	<p>Scale: 1" = 100'</p>
<p><b>Granite State Landfill, LLC.</b>          Dalton, New Hampshire          NHDES Alteration of Terrain          Permit Application          Int-1 Development Drainage Plan          Sheet 25</p>		
<p>drawing no.  <b>INT DEV 1-25</b></p>		
<p>sheet: 25 of 26</p>		



MATCH LINE - SHEET 25

MATCH LINE - SHEET 22

<p><b>Granite State Landfill, LLC.</b> Dalton, New Hampshire</p>		<p>date: January 2024</p>	<p>designed by: NJM</p>
<p>NHDES Alteration of Terrain Permit Application</p>		<p>project no: 1101</p>	<p>drawn by: NJM</p>
<p>Int-1 Development Drainage Plan Sheet 26</p>		<p>checked by: AJS</p>	<p>approved by: ALS</p>
<p>drawing no: <b>INT DEV 1-26</b></p>		<p>scale: 0 100' 200' Scale: 1" = 100'</p>	
<p>sheet: 26 of 26</p>		<p>no. revision date by</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>STATE OF NEW HAMPSHIRE NICHOLAS J. MESSINA No. 17552 LICENSED PROFESSIONAL ENGINEER</p>	