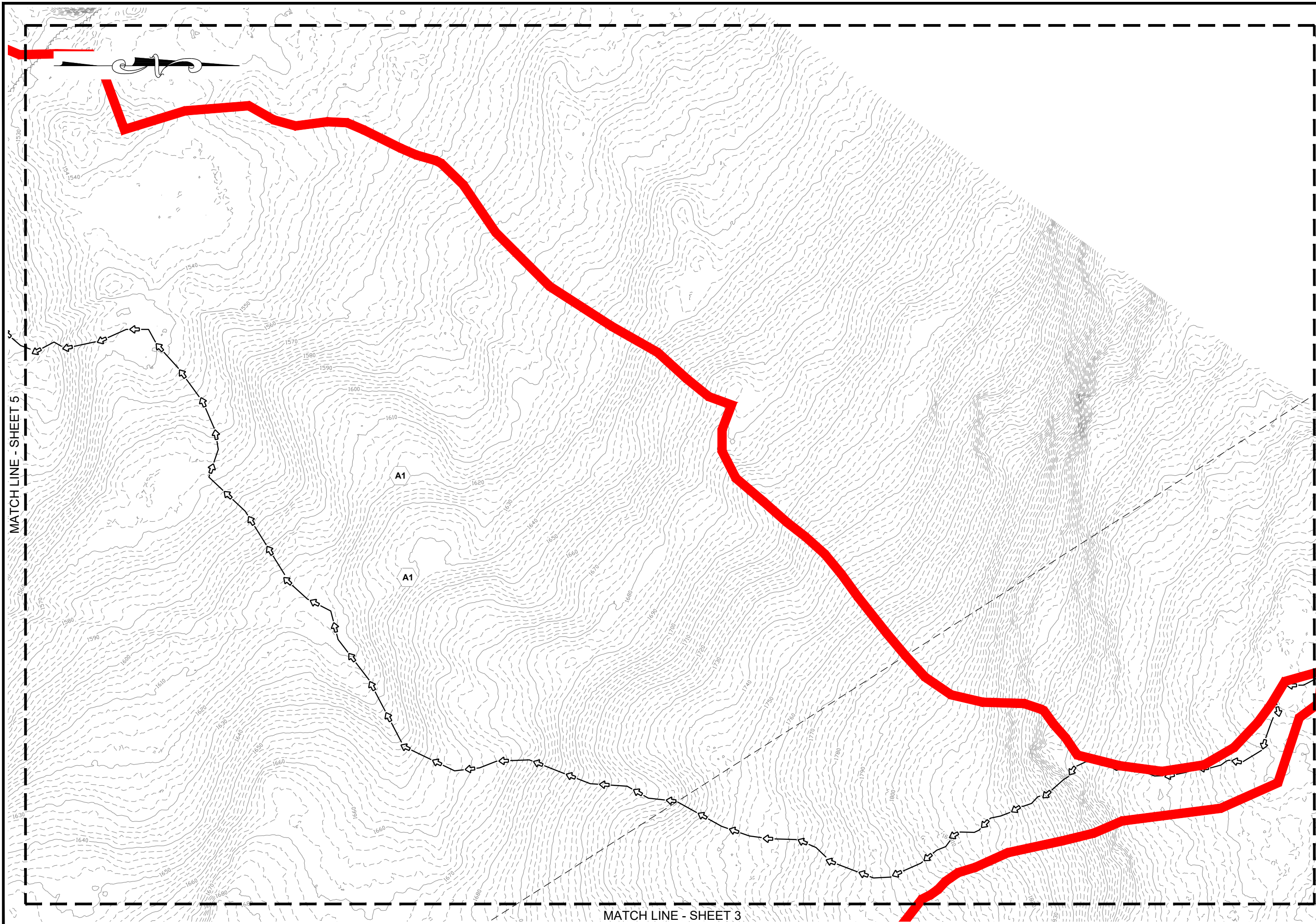


POST-DEVELOPMENT WATERSHED PLAN LEGEND	
PROPOSED CONTOUR (2')	----- 1100 -----
PROPOSED CONTOUR (10')	----- 1100 -----
EXISTING CONTOUR (10')	----- 1100 -----
OUTFALL (OUT) A WATERSHED BOUNDARY	-----
OUTFALL (OUT) B WATERSHED BOUNDARY	-----
OUTFALL (OUT) C WATERSHED BOUNDARY	-----
SUBCATCHMENT BOUNDARY	-----
SUBBASIN ID	⬡ C1
SUBBASIN TIME OF CONCENTRATION	➡ C1 ➡ C2 ➡ C3
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, LIGHT GREY GRAVEL SURFACES, AND LIGHT GREY SYMBOLIZES EXPOSED GEOMEMBRANE LINER.
 3. THIS MODEL ASSUMED UP TO 10 ACRES OF EXPOSED GEOMEMBRANE.



A1 AREA: 89.3 AC.	A2 AREA: 92.8 AC.				
B1 AREA: 46.2 AC.	B2 AREA: 17.7 AC.	B3 AREA: 0.6 AC.	B4 AREA: 10.4 AC.	B5 AREA: 4.2 AC.	B6 AREA: 1.7 AC.
B7 AREA: 2.9 AC.					
C1 AREA: 39.2 AC.	C2 AREA: 62.1 AC.	C3 AREA: 0.8 AC.	C4 AREA: 1.5 AC.	C5 AREA: 12.5 AC.	C6 AREA: 1.3 AC.
C7 AREA: 9.4 AC.	C8 AREA: 14.1 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.				

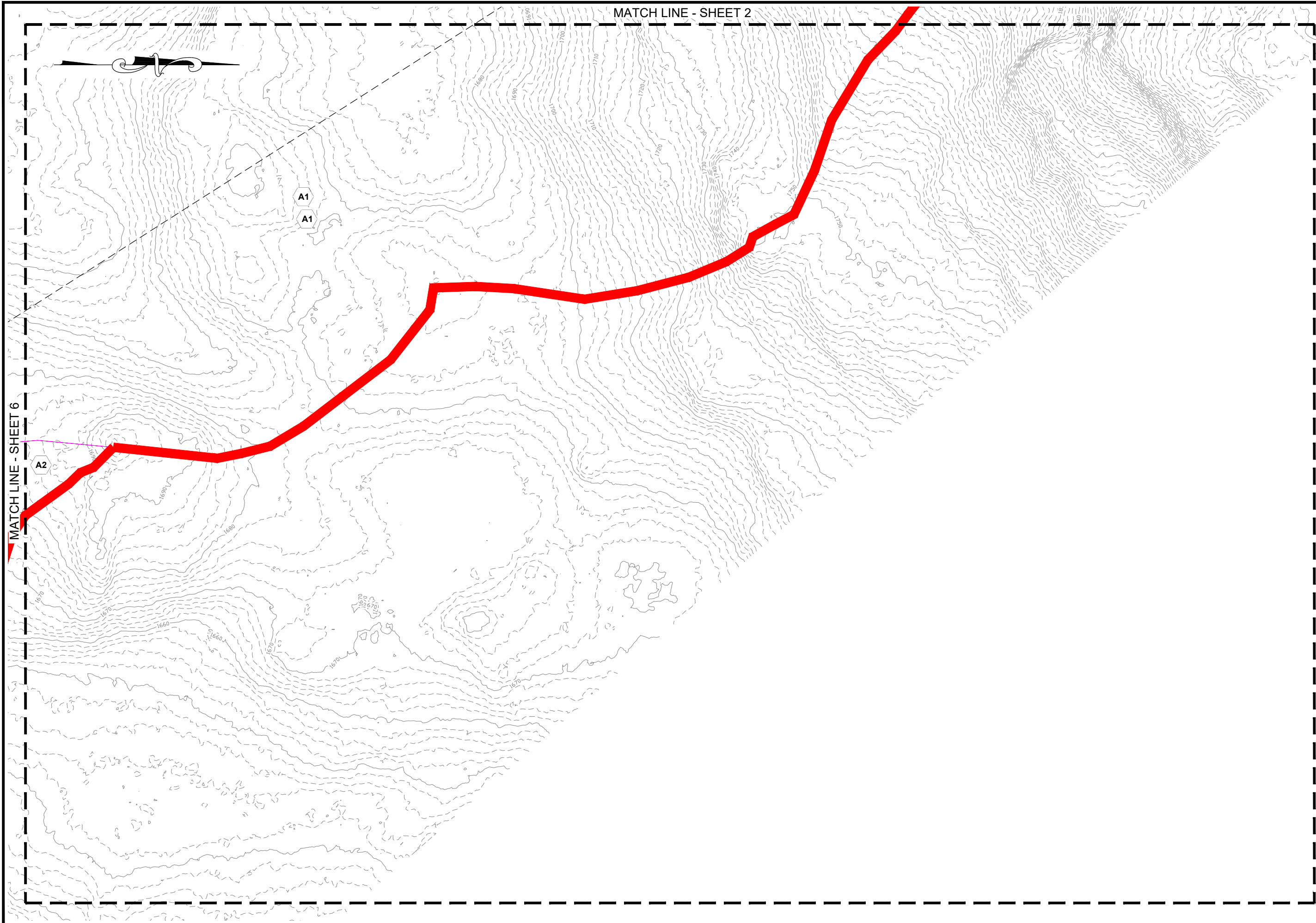
		CIVIL/ENVIRONMENTAL/STRUCTURAL Portsmouth, NH • Manchester, NH • Portland, ME 603/431-6196 • 603/627-0708 • 207/641-4223		c m a e n g i n e e r s . c o m	
		designed by: NJM		drawn by: NJM	
date: January 2024		project no: 1101		approved by: ALS	
Granite State Landfill, LLC. Dalton, New Hampshire NHDES Alteration of Terrain Permit Application		checked by: ALS		scale: 0 750' 1500' Scale: 1" = 750'	
drawing no. INT DEV 2-1		sheet: 1 of 26		no. _____ revision _____ date _____	



MATCH LINE - SHEET 5

MATCH LINE - SHEET 3

 CIVIL/ENVIRONMENTAL/STRUCTURAL Portsmouth, NH • Manchester, NH • Portland, ME 603/431-6196 • 603/627-0708 • 207/641-4223 cmaengineers.com				date: January 2024	designed by: NJM	scale: 1" = 50' 50' 100'
Granite State Landfill, LLC. Dalton, New Hampshire NHDES Alteration of Terrain Permit Application Int-2 Development Drainage Plan Sheet 2		project no: 1101	drawn by: NJM	checked by: ALS	approved by: ALS	
drawing no. INT DEV 2-2		sheet: 2 of 26	no.	revision	by	date



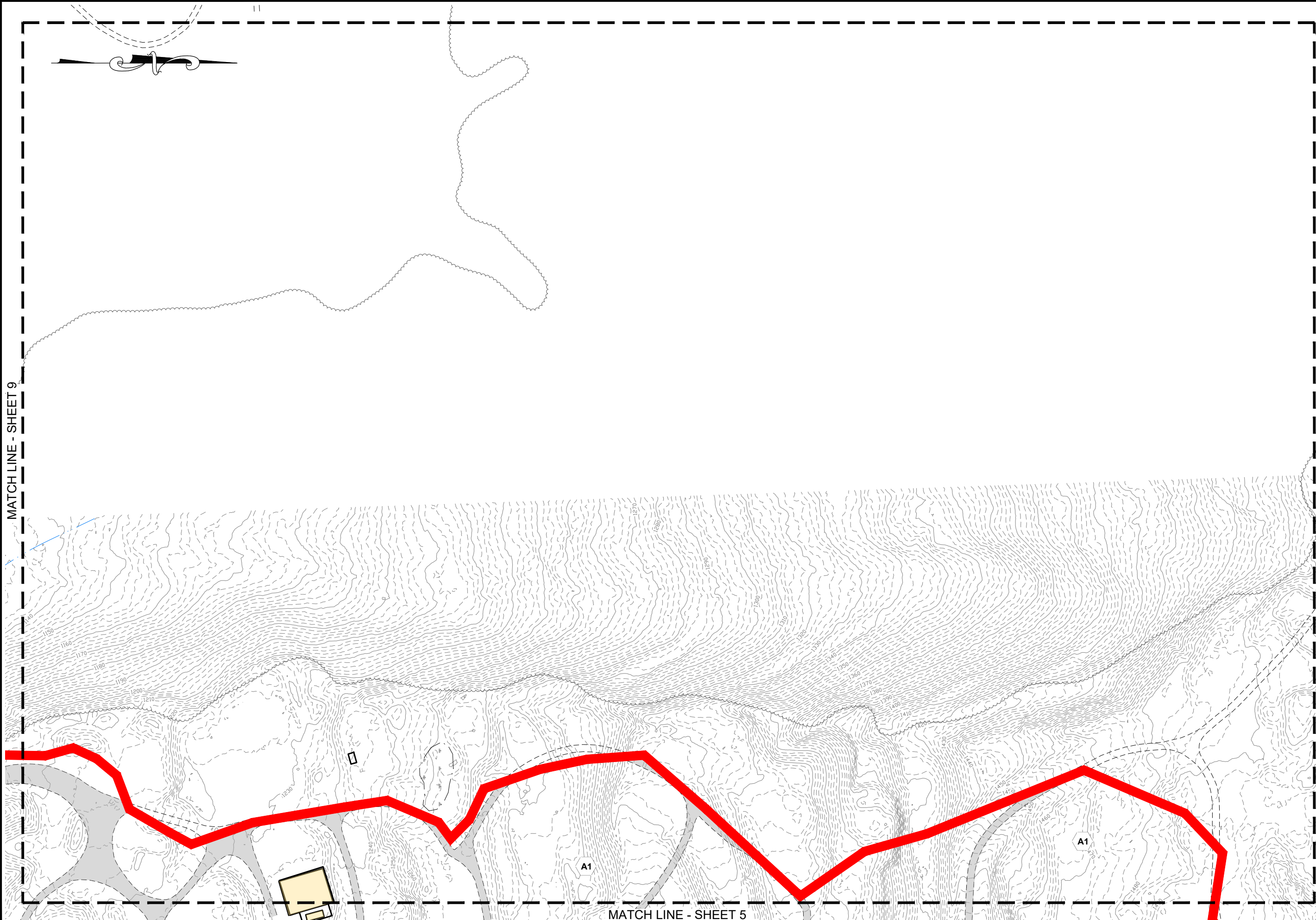
MATCH LINE - SHEET 6

MATCH LINE - SHEET 2

A1
A1

A2

<p>Granite State Landfill, LLC. 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-2 Development Drainage Plan Sheet 3</p>		<p>checked by: AJS</p>	<p>approved by: AJS</p>
<p>drawing no: INT DEV 2-3</p>		<p>scale: 0 50' 100' Scale: 1" = 50'</p>	
<p>sheet: 3 of 26</p>		<p>no. revision date by</p>	
<p>CMA ENGINEERS 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>	

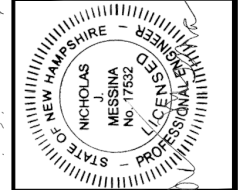


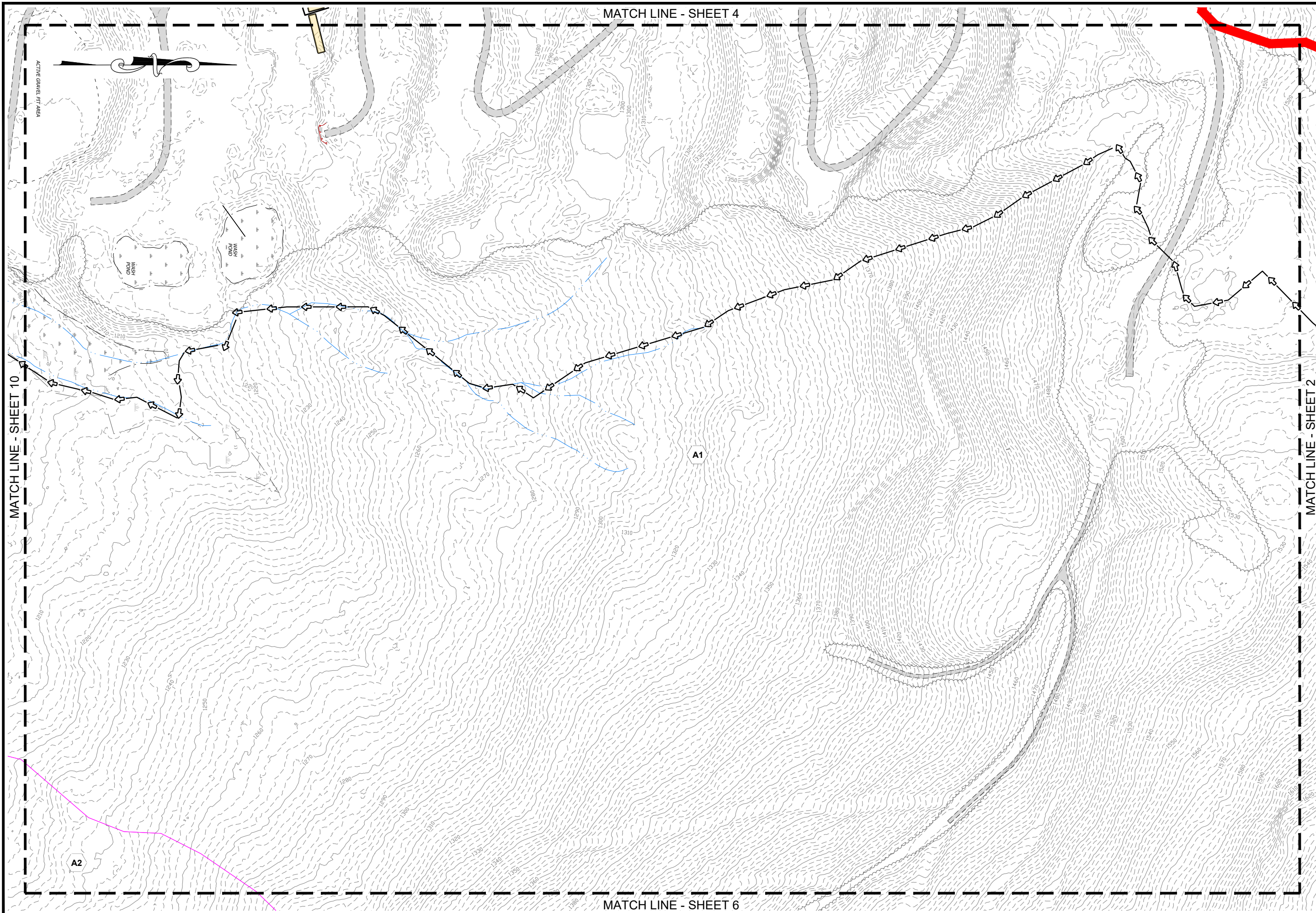
MATCH LINE - SHEET 9

MATCH LINE - SHEET 5

<p>Granite State Landfill, LLC. Dalton, New Hampshire</p>		<p>designed by: NJM</p>	<p>scale: 0 50 100' Scale: 1" = 50'</p>
<p>NHDES Alteration of Terrain Permit Application</p>		<p>date: January 2024</p>	<p>checked by: ALS</p>
<p>Int-2 Development Drainage Plan Sheet 4</p>		<p>project no: 1101</p>	<p>approved by: ALS</p>
<p>drawing no. INT DEV 2-4</p>		<p>drawn by: NJM</p>	<p>no.</p>
<p>sheet: 4 of 26</p>		<p>revision</p>	<p>date</p>
<p>by</p>		<p>no.</p>	<p>date</p>

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MATCH LINE - SHEET 10

MATCH LINE - SHEET 4

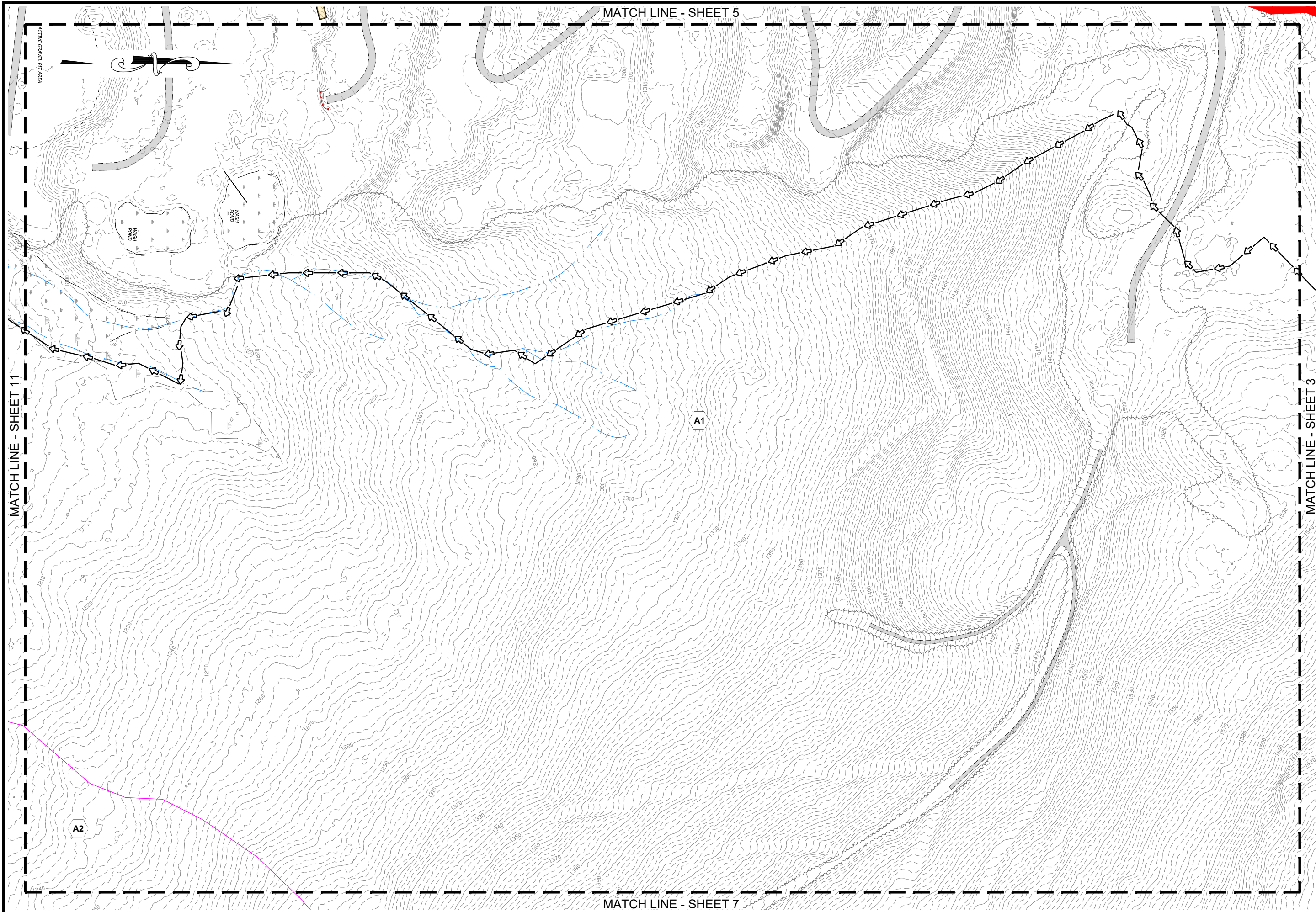
MATCH LINE - SHEET 2

MATCH LINE - SHEET 6

A2

A1

<p>Granite State Landfill, LLC. Dalton, New Hampshire NHDES Alteration of Terrain Permit Application Int-2 Development Drainage Plan Sheet 5</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" = 50' 0 50 100'</p>
<p>CMA ENGINEERS CIVIL/ENVIRONMENTAL/STRUCTURAL Portsmouth, NH • Manchester, NH • Portland, ME 603/431-6196 • 603/627-0708 • 207/651-4223 cmaengineers.com</p>		<p>PROFESSIONAL ENGINEER STATE OF NEW HAMPSHIRE NICHOLAS J. MESSINA No. 17552</p>		
<p>drawing no: INT DEV 2-5</p>		<p>sheet: 5 of 26</p>		



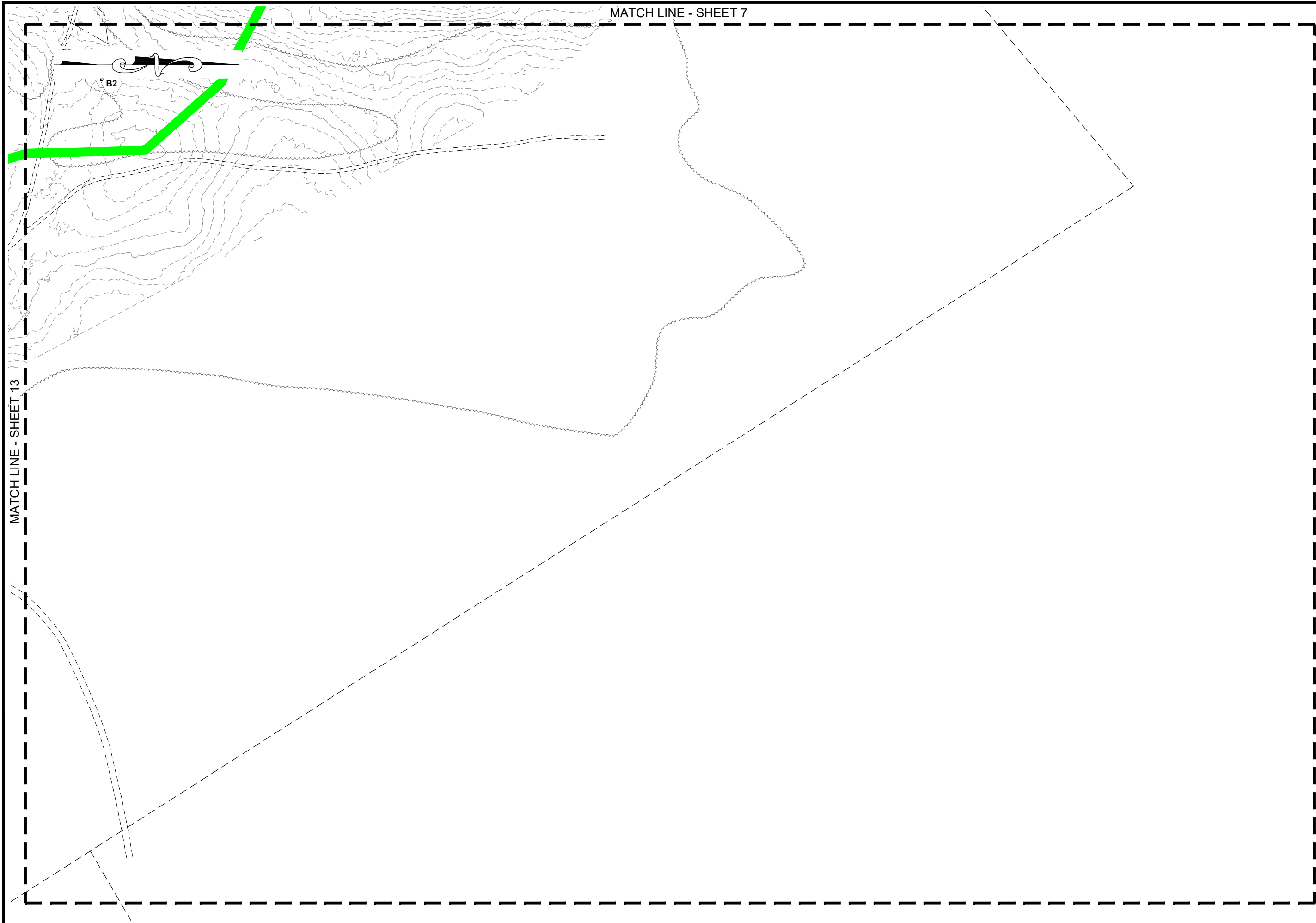
MATCH LINE - SHEET 11

MATCH LINE - SHEET 5

MATCH LINE - SHEET 3

MATCH LINE - SHEET 7

<p>CMA ENGINEERS CIVIL/ENVIRONMENTAL/STRUCTURAL Portsmouth, NH • Manchester, NH • Portland, ME 603/431-6196 • 603/627-0708 • 207/641-4223 cmaengineers.com</p>		<p>PROFESSIONAL ENGINEER NICHOLAS J. MESSINA No. 17552 STATE OF NEW HAMPSHIRE</p>		<p>designed by: NJM drawn by: NJM checked by: ALS approved by: ALS</p>		<p>date: January 2024 project no: 1101 scale: 0 50' 100' Scale: 1" = 50'</p>	
<p>Granite State Landfill, LLC. Dalton, New Hampshire NHDES Alteration of Terrain Permit Application Int-2 Development Drainage Plan Sheet 6</p>		<p>drawing no: INT DEV 2-6</p>		<p>sheet: 6 of 26</p>		<p>no. revision date by</p>	



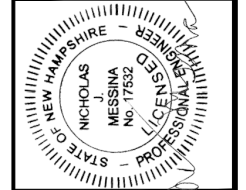
MATCH LINE - SHEET 13

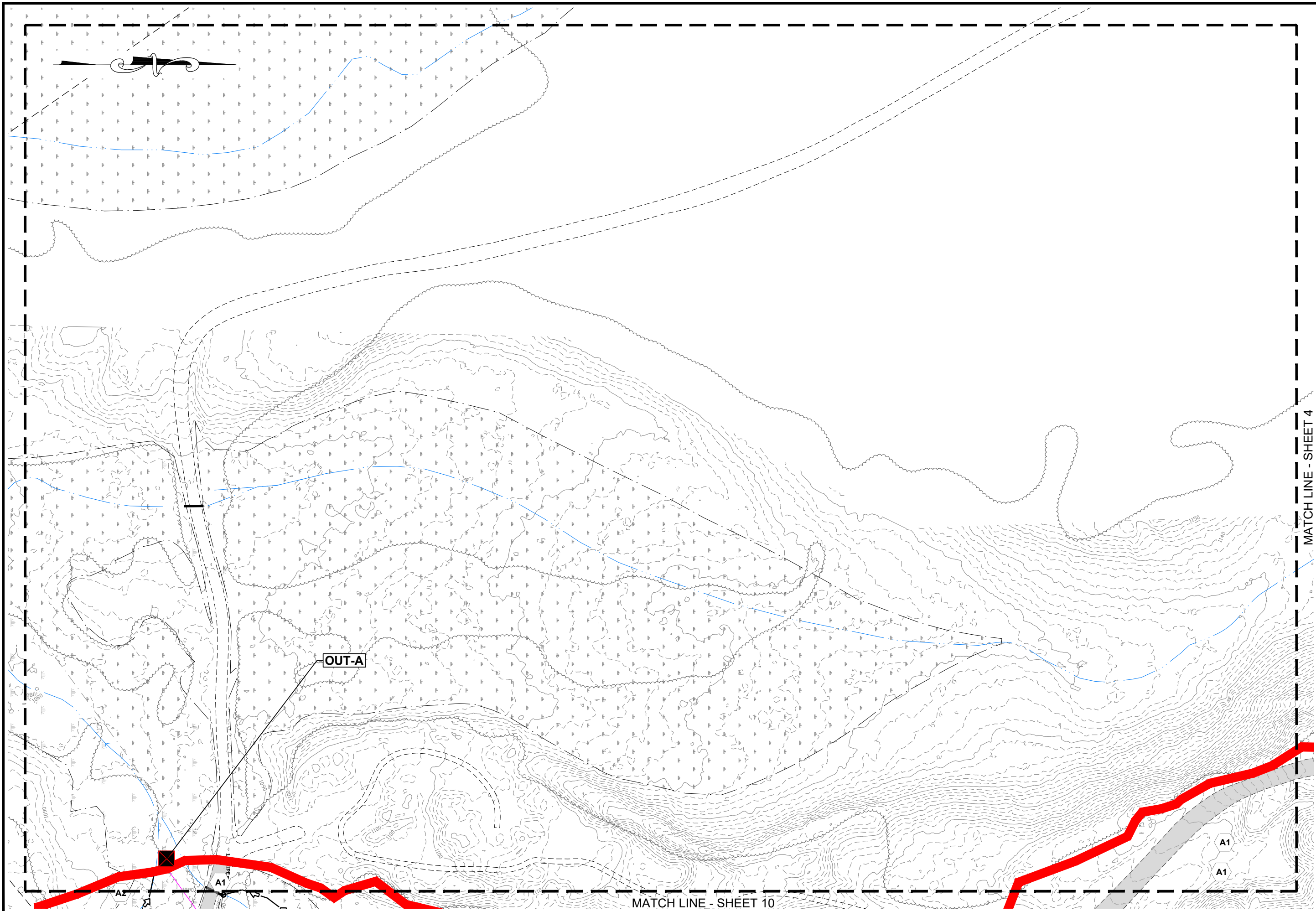
MATCH LINE - SHEET 7

B2

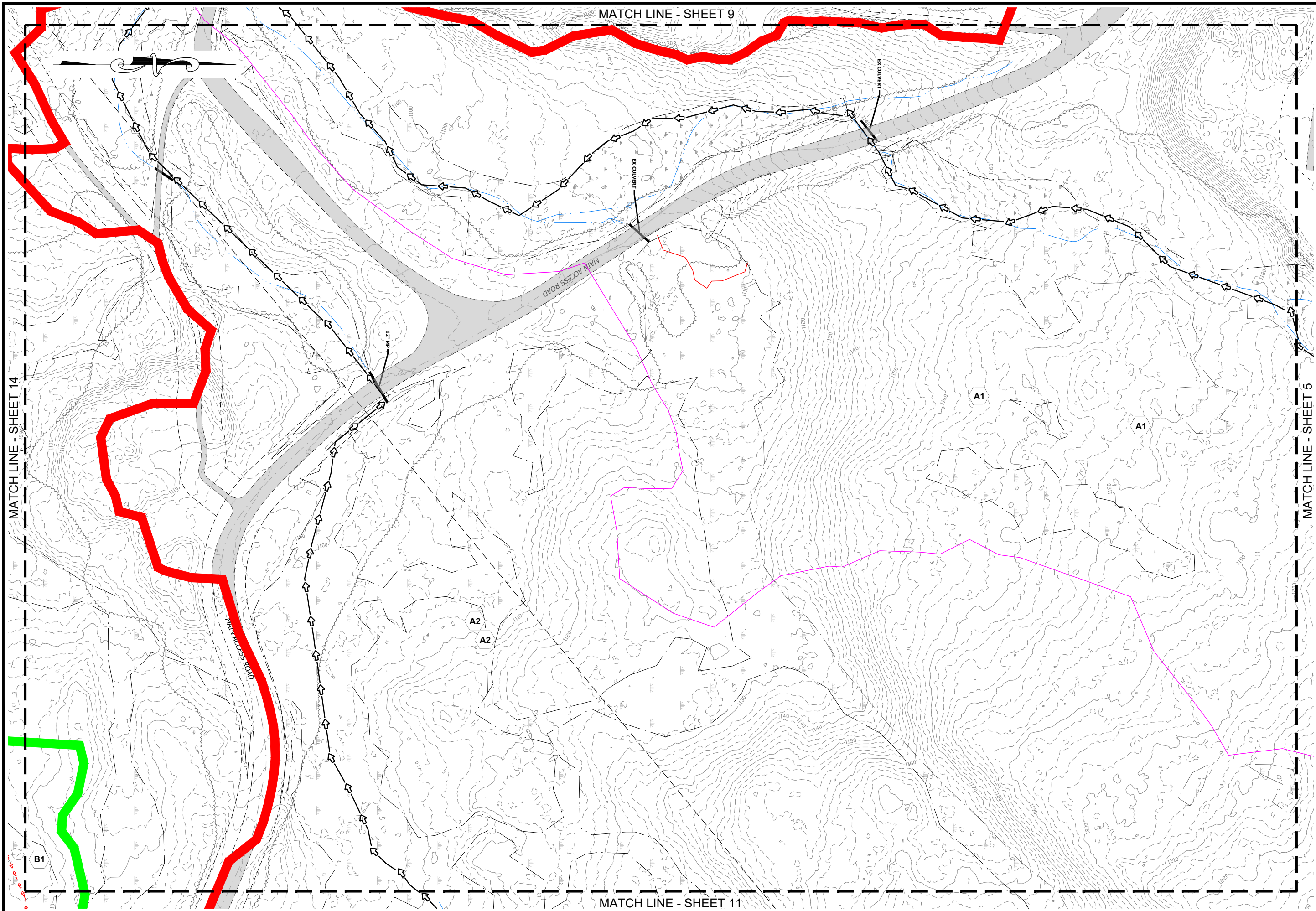
<p>Granite State Landfill, LLC. Dalton, New Hampshire</p>		<p>date: January 2024</p>	<p>designed by: NJM</p>
<p>NHDES Alteration of Terrain Permit Application</p>		<p>project no: 1101</p>	<p>drawn by: NJM</p>
<p>Int-2 Development Drainage Plan Sheet 8</p>		<p>checked by: AJS</p>	<p>approved by: AJS</p>
<p>drawing no: INT DEV 2-8</p>		<p>scale: 0 50' 100' Scale: 1" = 50'</p>	
<p>sheet: 8 of 26</p>		<p>no. revision date by</p>	

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Granite State Landfill, LLC. Dalton, New Hampshire NHDES Alteration of Terrain Permit Application Int-2 Development Drainage Plan Sheet 9		date: January 2024 project no: 1101 checked by: AUS	designed by: NJM drawn by: NJM approved by: AUS	scale: 0 50 100' Scale: 1" = 50'
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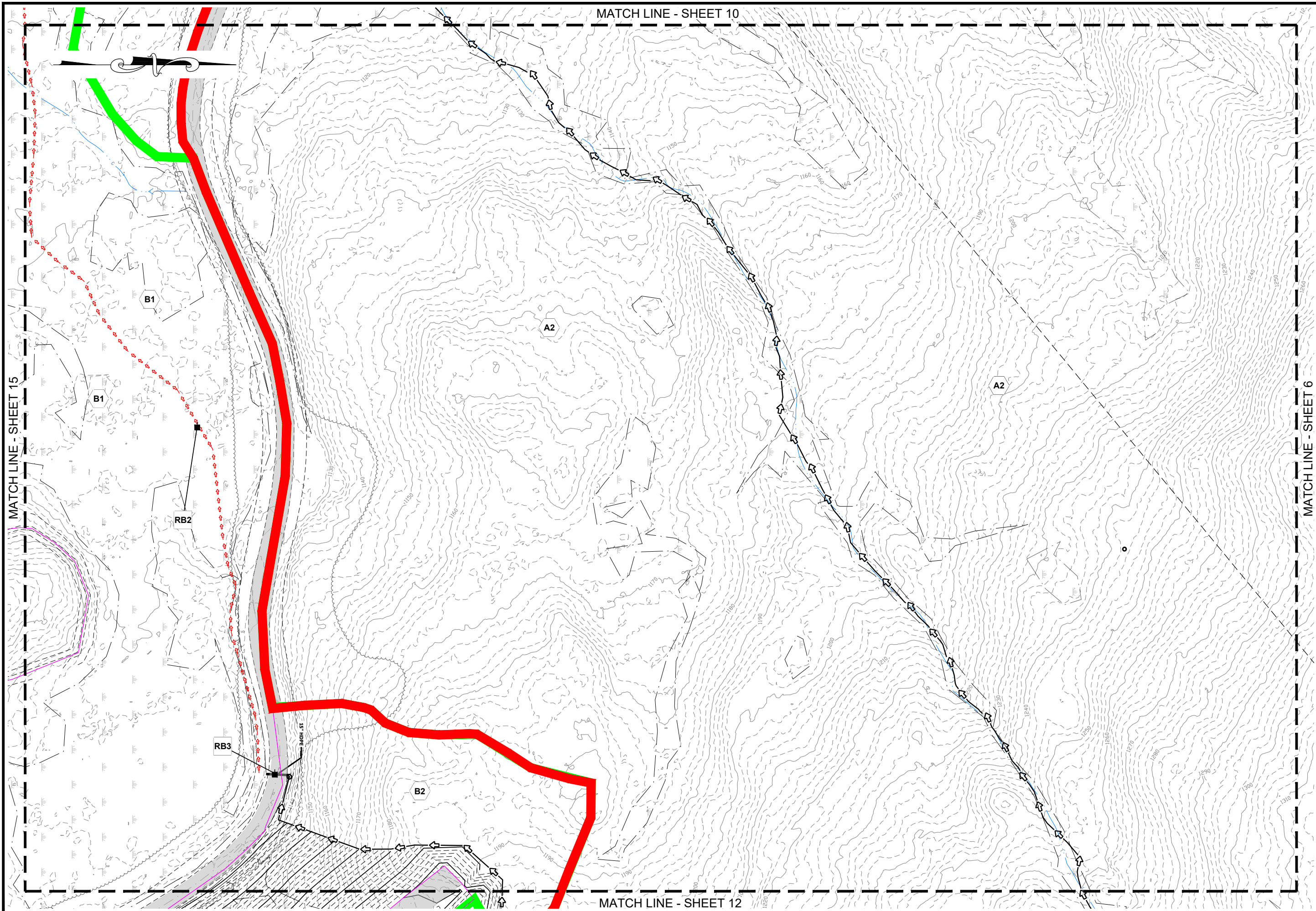
MATCH LINE - SHEET 14

MATCH LINE - SHEET 9

MATCH LINE - SHEET 5

MATCH LINE - SHEET 11

<p>Granite State Landfill, LLC. Dalton, New Hampshire</p>		<p>date: January 2024 project no: 1101</p>	<p>designed by: NJM drawn by: NJM approved by: ALS</p>	<p>scale: 1" = 50' 0 50 100'</p>
<p>NHDES Alteration of Terrain Permit Application</p>		<p>checked by: ALS</p>	<p>approved by: ALS</p>	<p>scale: 1" = 50'</p>
<p>Int-2 Development Drainage Plan Sheet 10</p>		<p>drawing no: INT DEV 2-10</p>	<p>sheet: 10 of 26</p>	<p>no. revision date</p>
<p>CMA ENGINEERS CIVIL/ENVIRONMENTAL/STRUCTURAL Portsmouth, NH • Manchester, NH • Portland, ME 603/431-6196 • 603/627-0708 • 207/641-4223 cmaengineers.com</p>		<p>PROFESSIONAL ENGINEER STATE OF NEW HAMPSHIRE NICHOLAS J. MESSINA No. 17532</p>		



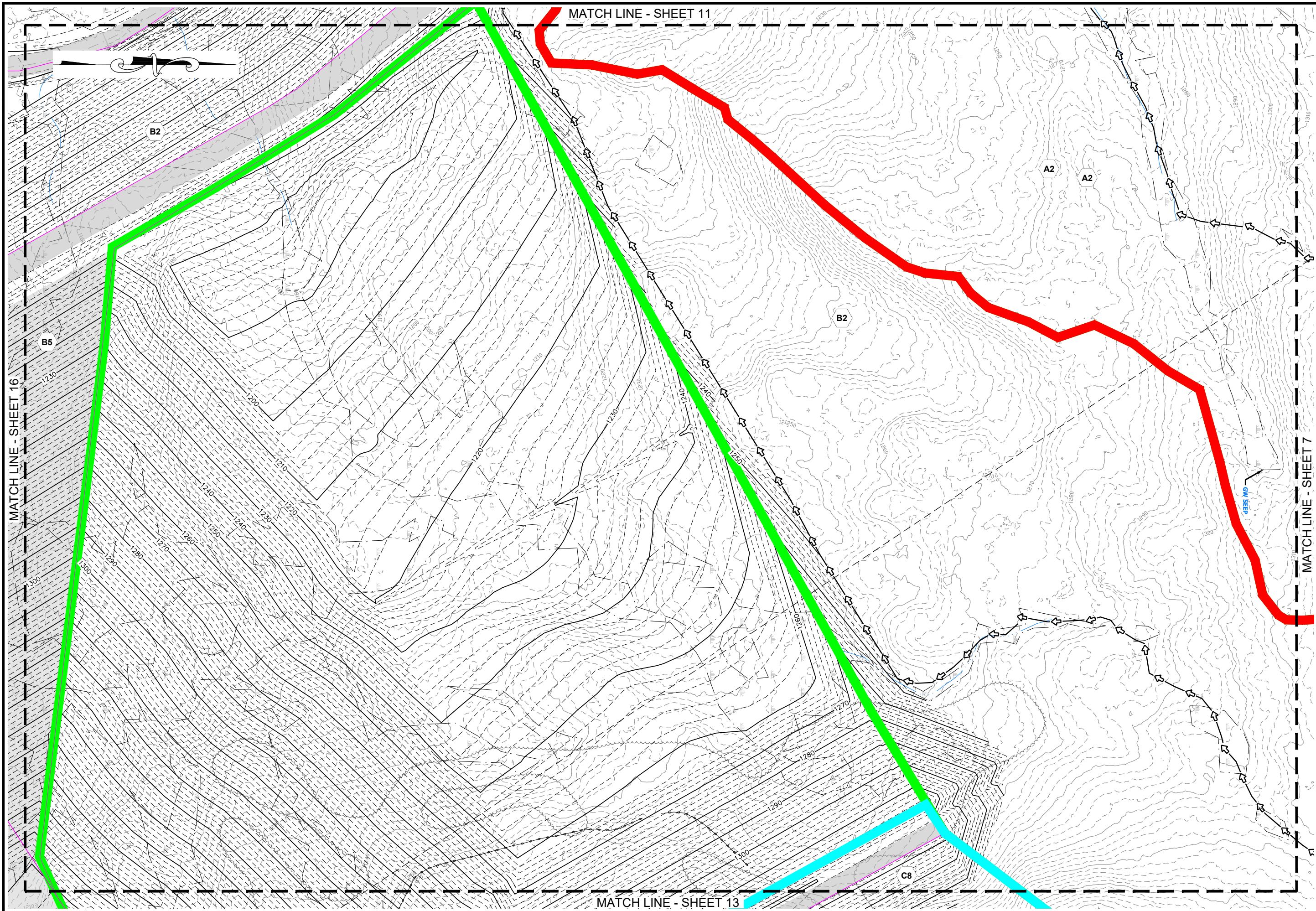
MATCH LINE - SHEET 10

MATCH LINE - SHEET 15

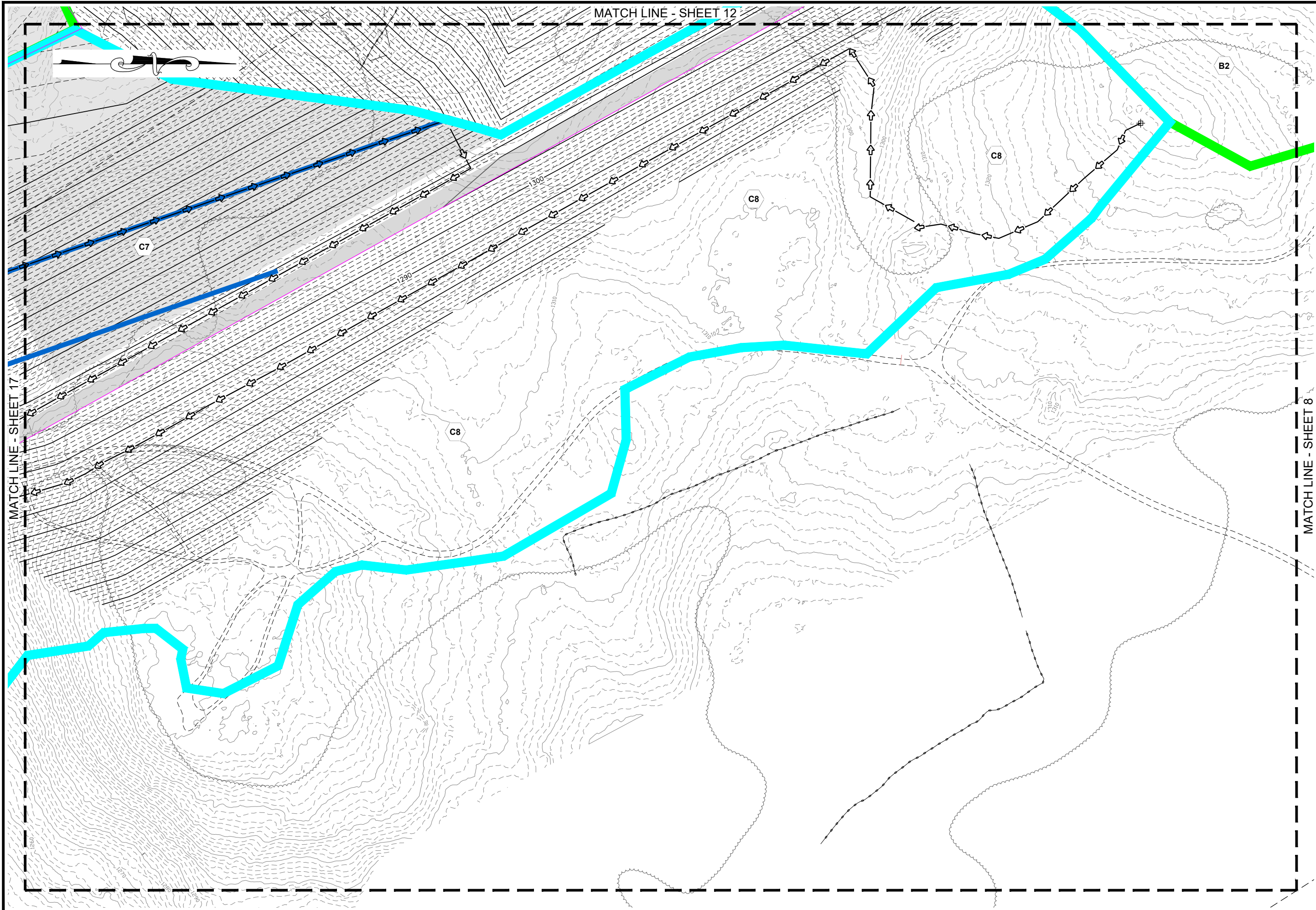
MATCH LINE - SHEET 6

MATCH LINE - SHEET 12

<p>Granite State Landfill, LLC. 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-2 Development Drainage Plan Sheet 11</p>		<p>checked by: AUS</p>	<p>approved by: AUS</p>
<p>drawing no. INT DEV 2-11</p>		<p>scale: 0 50' 100' Scale: 1" = 50'</p>	
<p>sheet: 11 of 26</p>		<p>no. revision date by</p>	
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<p>Granite State Landfill, LLC. Dalton, New Hampshire NHDES Alteration of Terrain Permit Application</p>				<p>INT DEV 2-12</p>				<p>sheet: 12 of 26</p>			
<p>Int-2 Development Drainage Plan Sheet 12</p>											

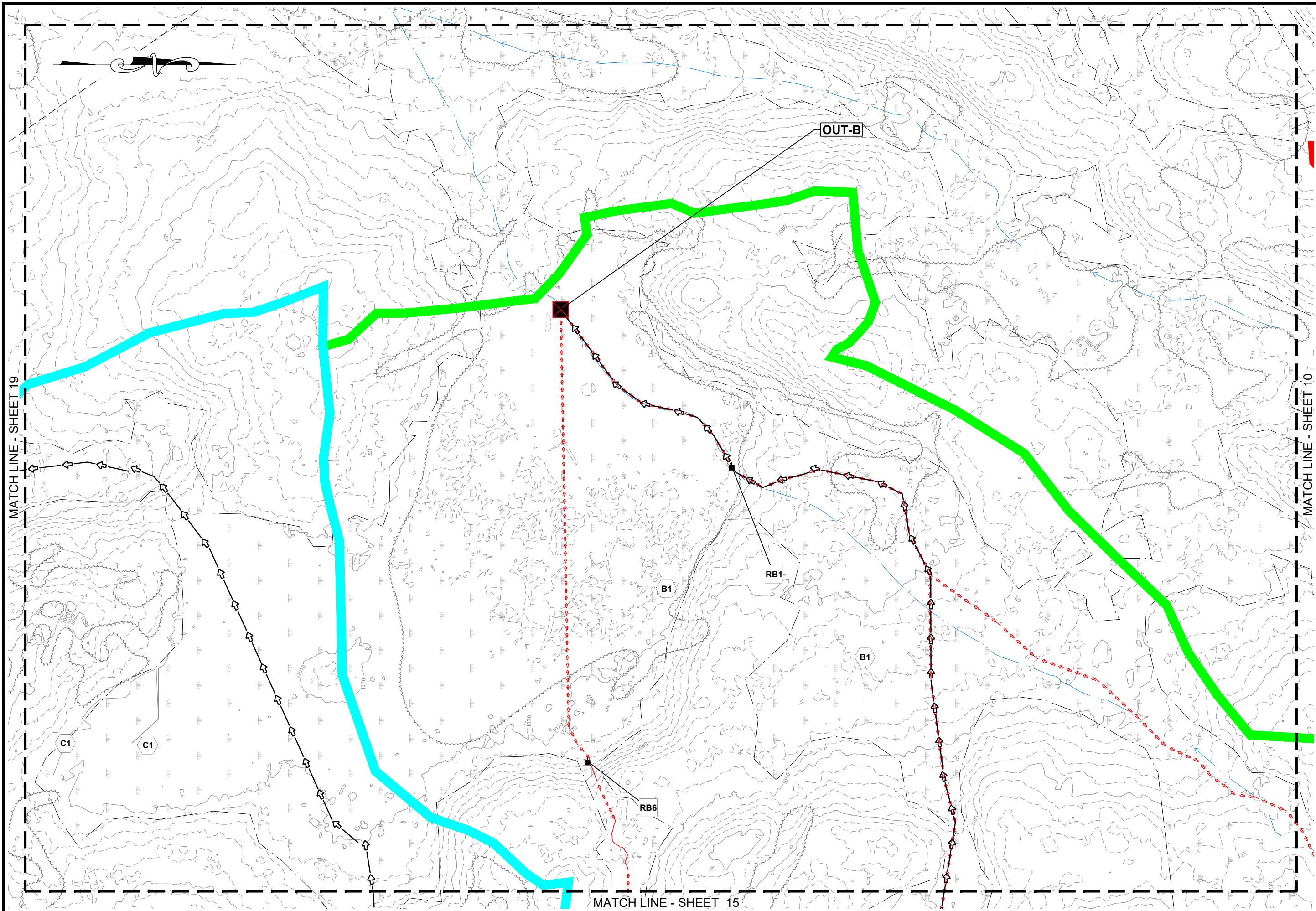


MATCH LINE - SHEET 17

MATCH LINE - SHEET 12

MATCH LINE - SHEET 8

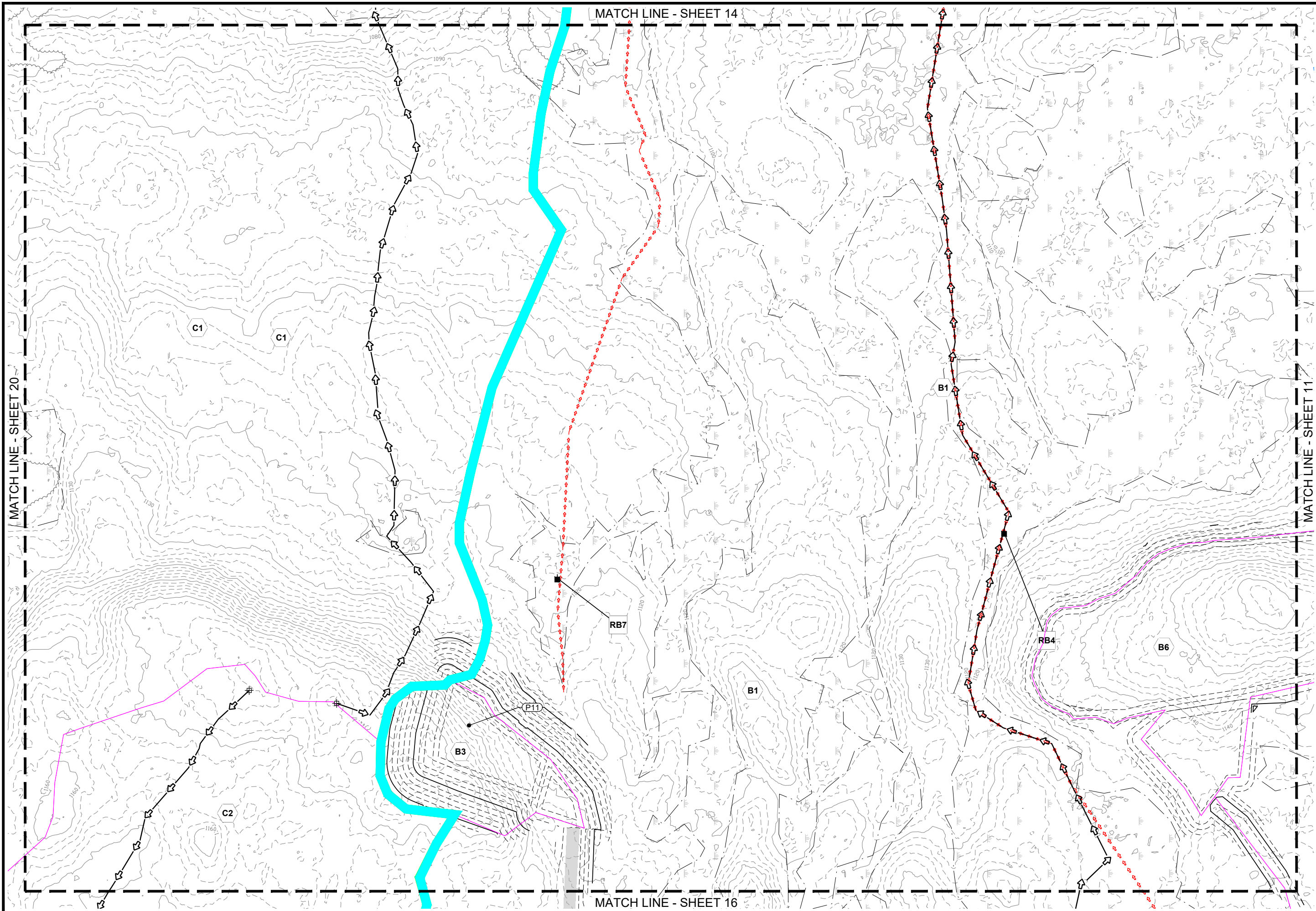
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<p>Granite State Landfill, LLC. Dalton, New Hampshire NHDES Alteration of Terrain Permit Application Int-2 Development Drainage Plan Sheet 13</p>		<p>NICHOLAS J. MESSINA No. 17552 PROFESSIONAL ENGINEER STATE OF NEW HAMPSHIRE</p>		<p>drawing no: INT DEV 2-13 sheet: 13 of 26</p>	
				<p>no. revision date by</p>	



Granite State Landfill, LLC. Dalton, New Hampshire NHDES Alteration of Terrain Permit Application Int-2 Development Drainage Plan Sheet 14		date: January 2024	designed by: NJM
		project no.: 1101	drawn by: NJM
		checked by: ALS	approved by: ALS
		scale: 0 50' 100' Scale: 1" = 50'	
drawing no. INT DEV 2-14			
sheet: 14 of 26			
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NICHOLAS J. MESSINA
 LICENSED PROFESSIONAL ENGINEER
 No. 17532
 STATE OF NEW HAMPSHIRE



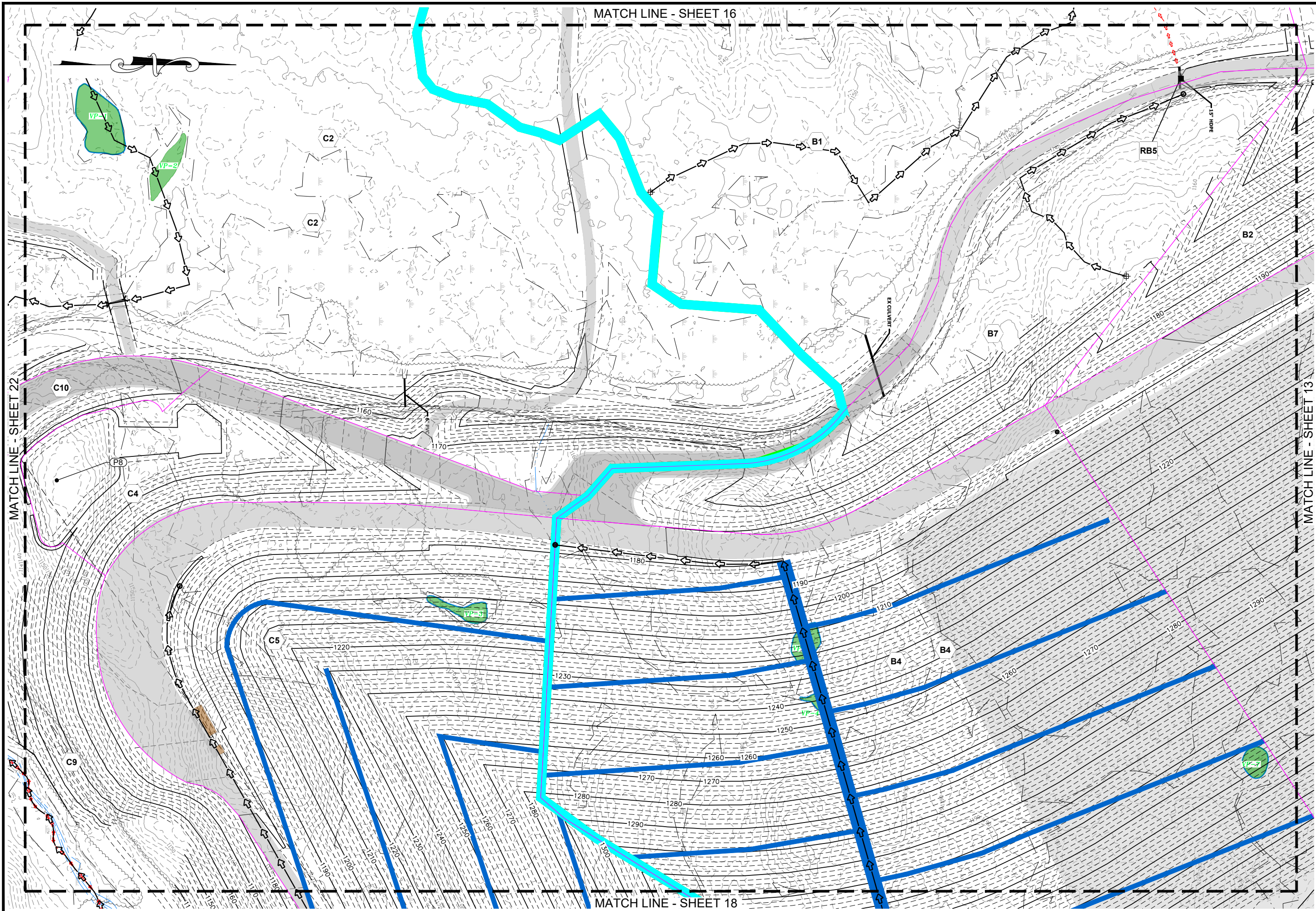
MATCH LINE - SHEET 20

MATCH LINE - SHEET 14

MATCH LINE - SHEET 11

MATCH LINE - SHEET 16

<p>Granite State Landfill, LLC. Dalton, New Hampshire NHDES Alteration of Terrain Permit Application Int-2 Development Drainage Plan Sheet 15</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: 0 50' 100' Scale: 1" = 50'</p>
<p>CMA ENGINEERS 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. 17532 LICENSED PROFESSIONAL ENGINEER</p>		
<p>drawing no: INT DEV 2-15</p>		<p>sheet: 15 of 26</p>		



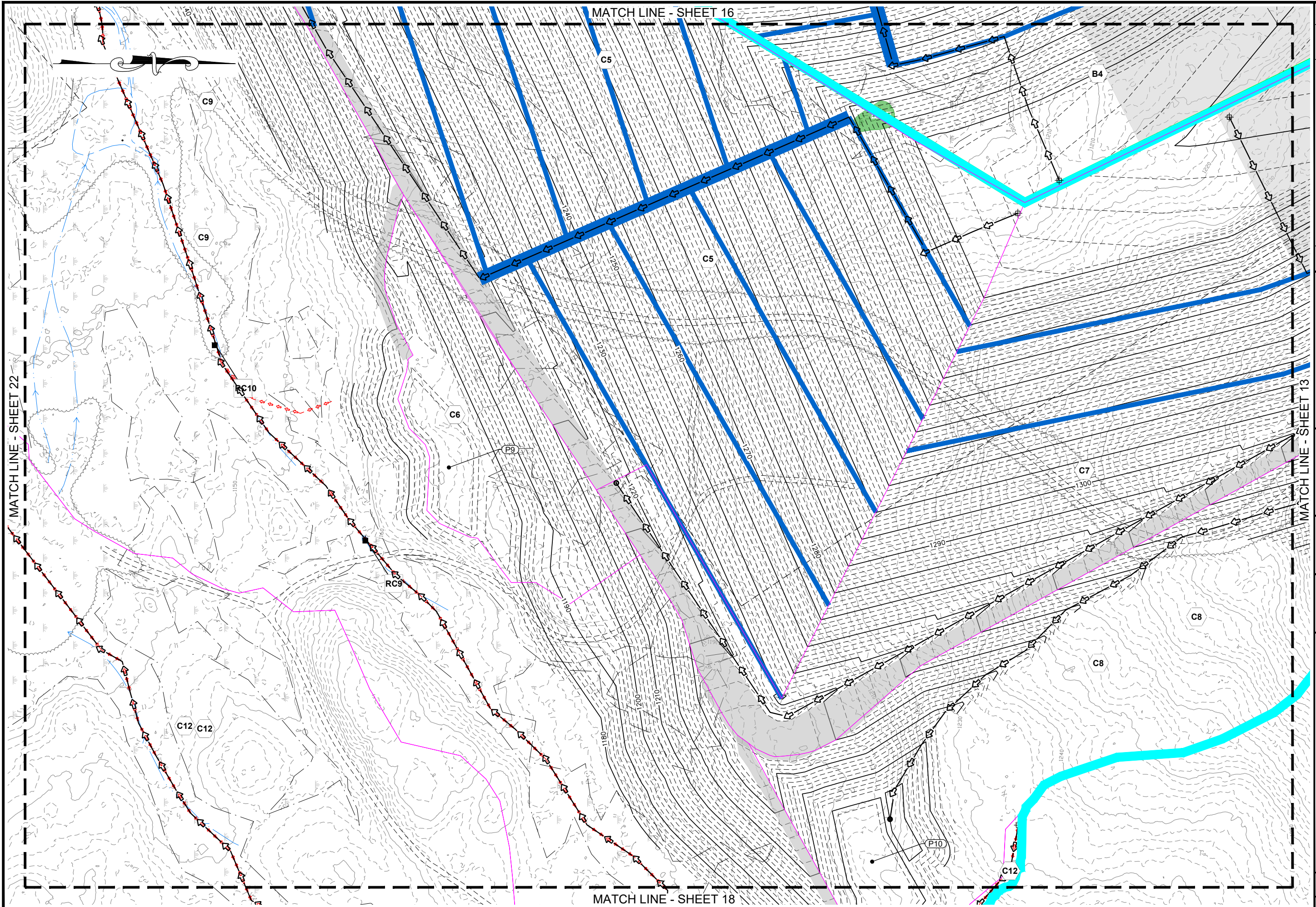
MATCH LINE - SHEET 16

MATCH LINE - SHEET 22

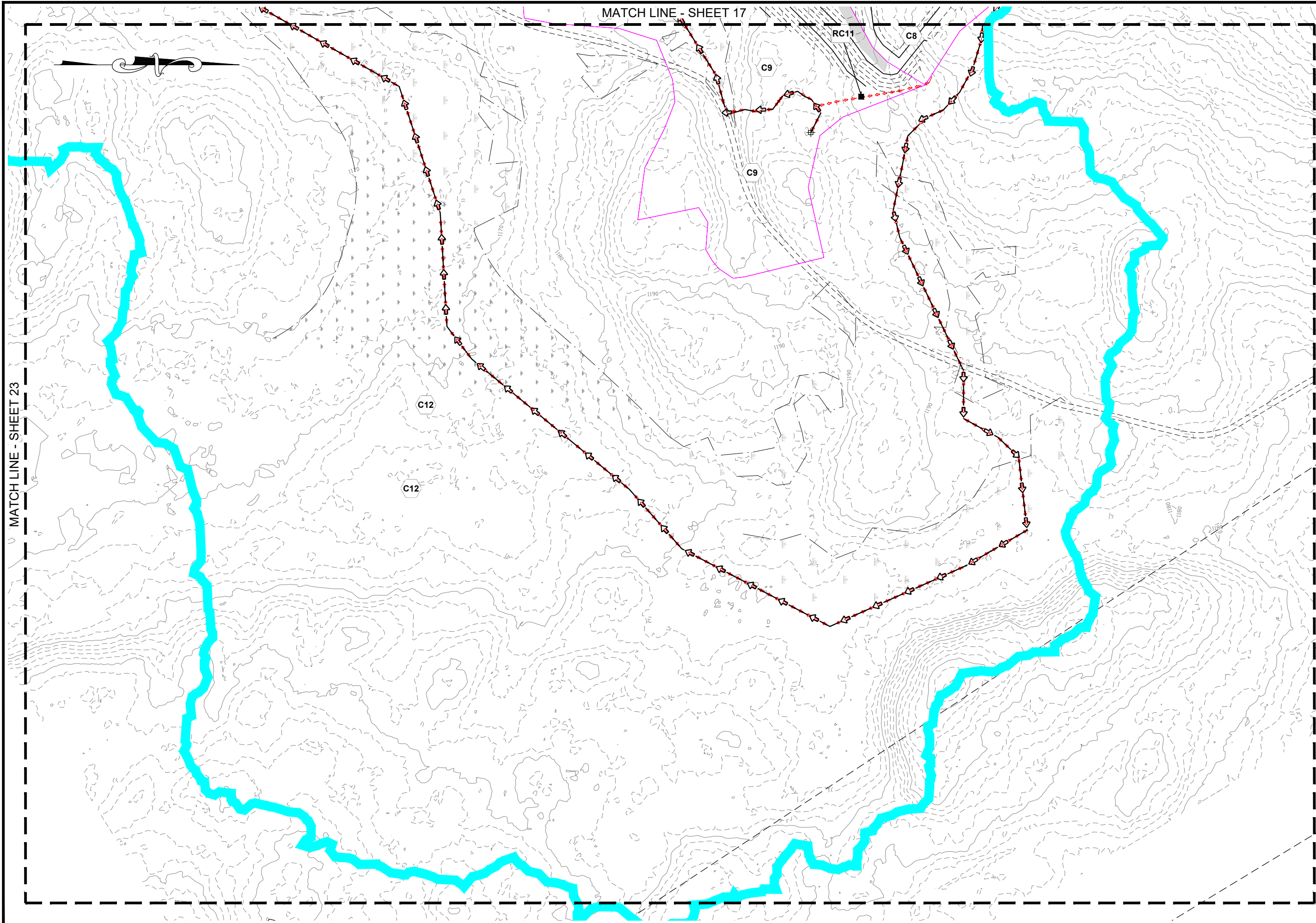
MATCH LINE - SHEET 13

MATCH LINE - SHEET 18

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<p>NICHOLAS J. MESSINA No. 17552 LICENSED PROFESSIONAL ENGINEER STATE OF NEW HAMPSHIRE</p>		<p>Granite State Landfill, LLC. Dalton, New Hampshire NHDES Alteration of Terrain Permit Application Int-2 Development Drainage Plan Sheet 16</p>	
<p>drawing no: INT DEV 2-16</p>		<p>sheet: 16 of 26</p>	



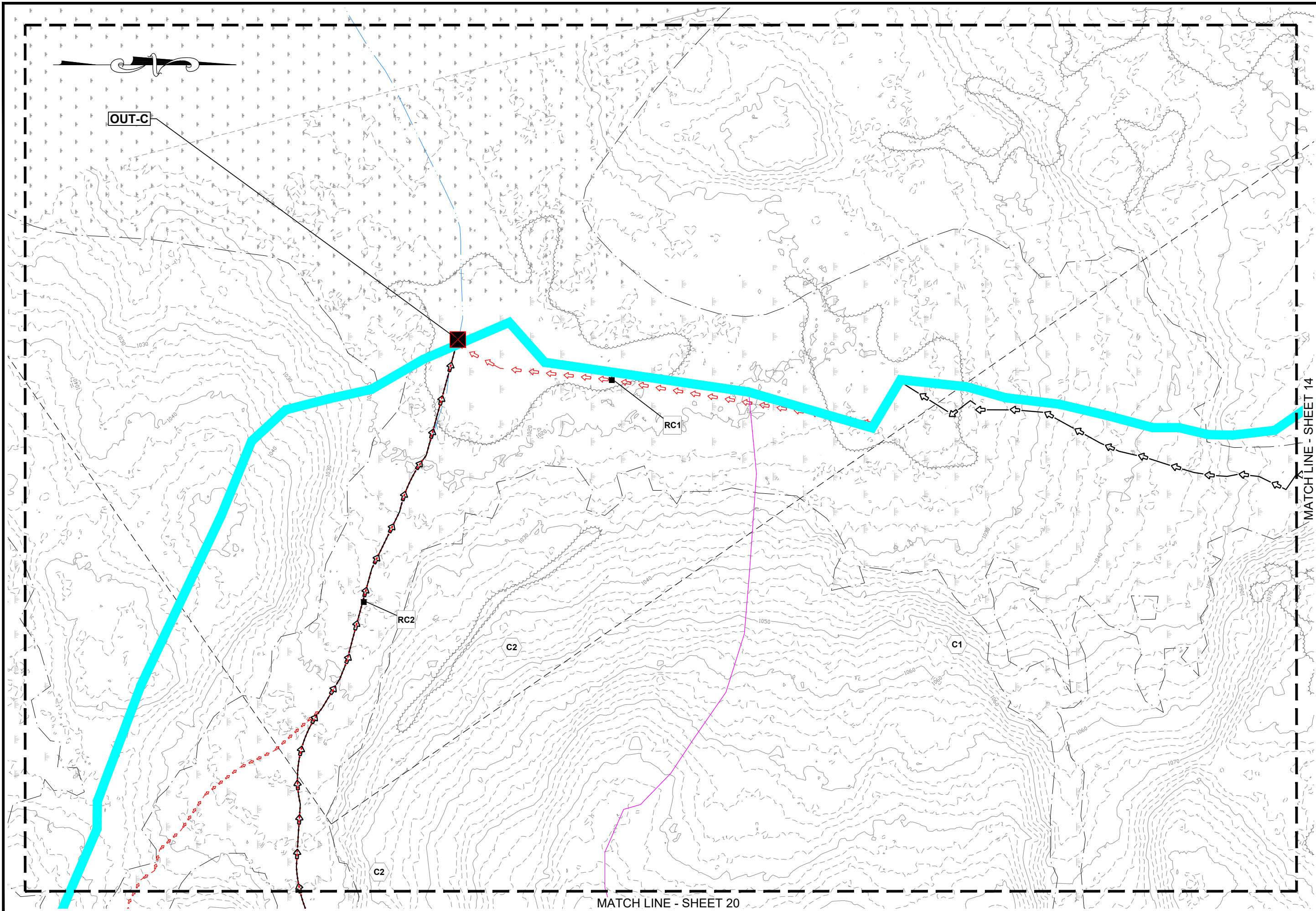
<p>CMA ENGINEERS CIVIL/ENVIRONMENTAL/STRUCTURAL Portsmouth, NH • Manchester, NH • Portland, ME 603/431-6196 • 603/627-0708 • 207/641-4223 cmaengineers.com</p>		<p>designed by: NJM drawn by: NJM approved by: ALS</p>		<p>scale: 1" = 50' 0 50' 100'</p>
<p>date: January 2024 project no: 1101 checked by: ALS</p>		<p>no. _____ revision _____ by _____ date _____</p>		
<p>Granite State Landfill, LLC. Dalton, New Hampshire NHDES Alteration of Terrain Permit Application Int-2 Development Drainage Plan Sheet 17</p>				
<p>drawing no: INT DEV 2-17 sheet: 17 of 26</p>				



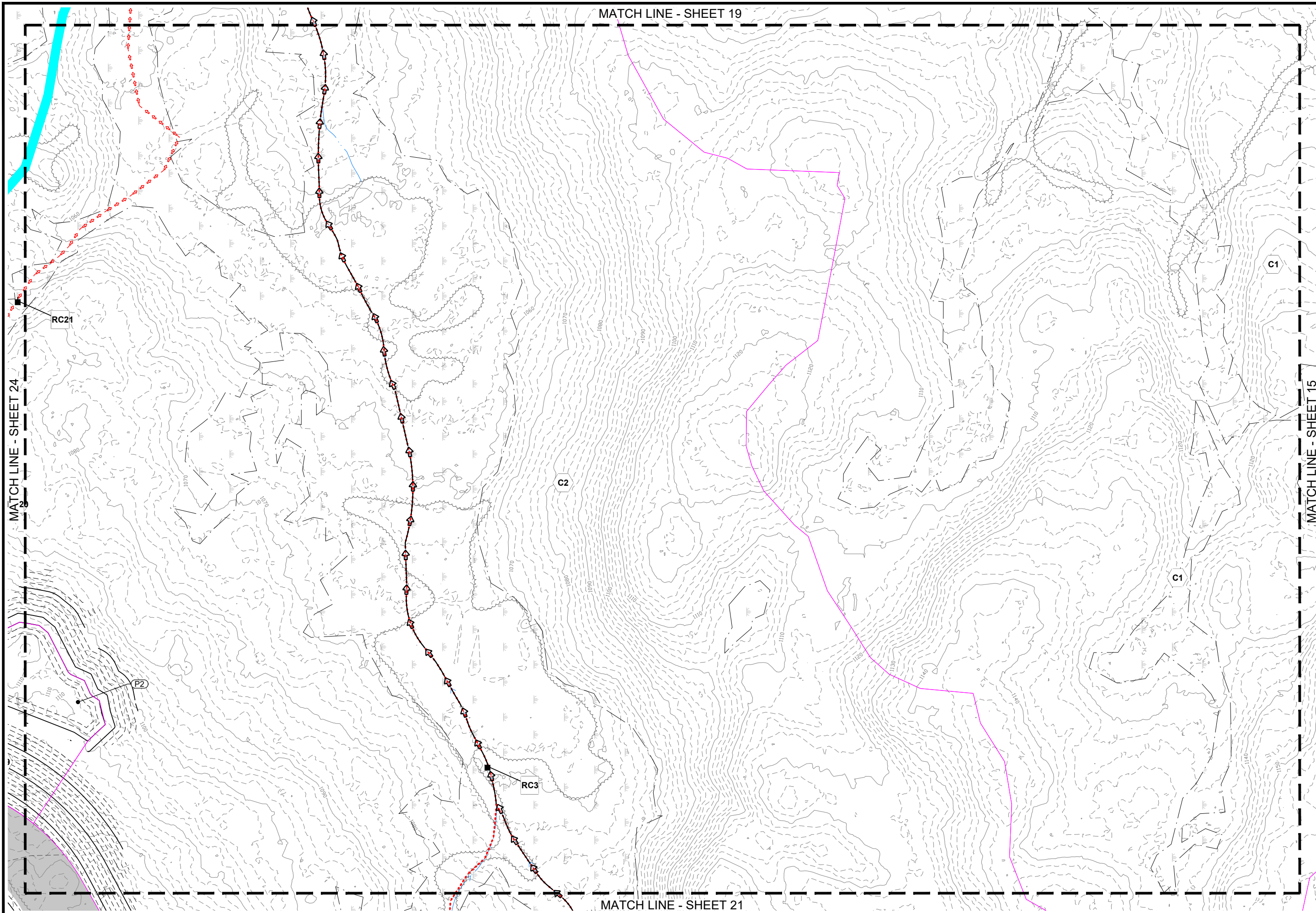
MATCH LINE - SHEET 23




MATCH LINE - SHEET 17

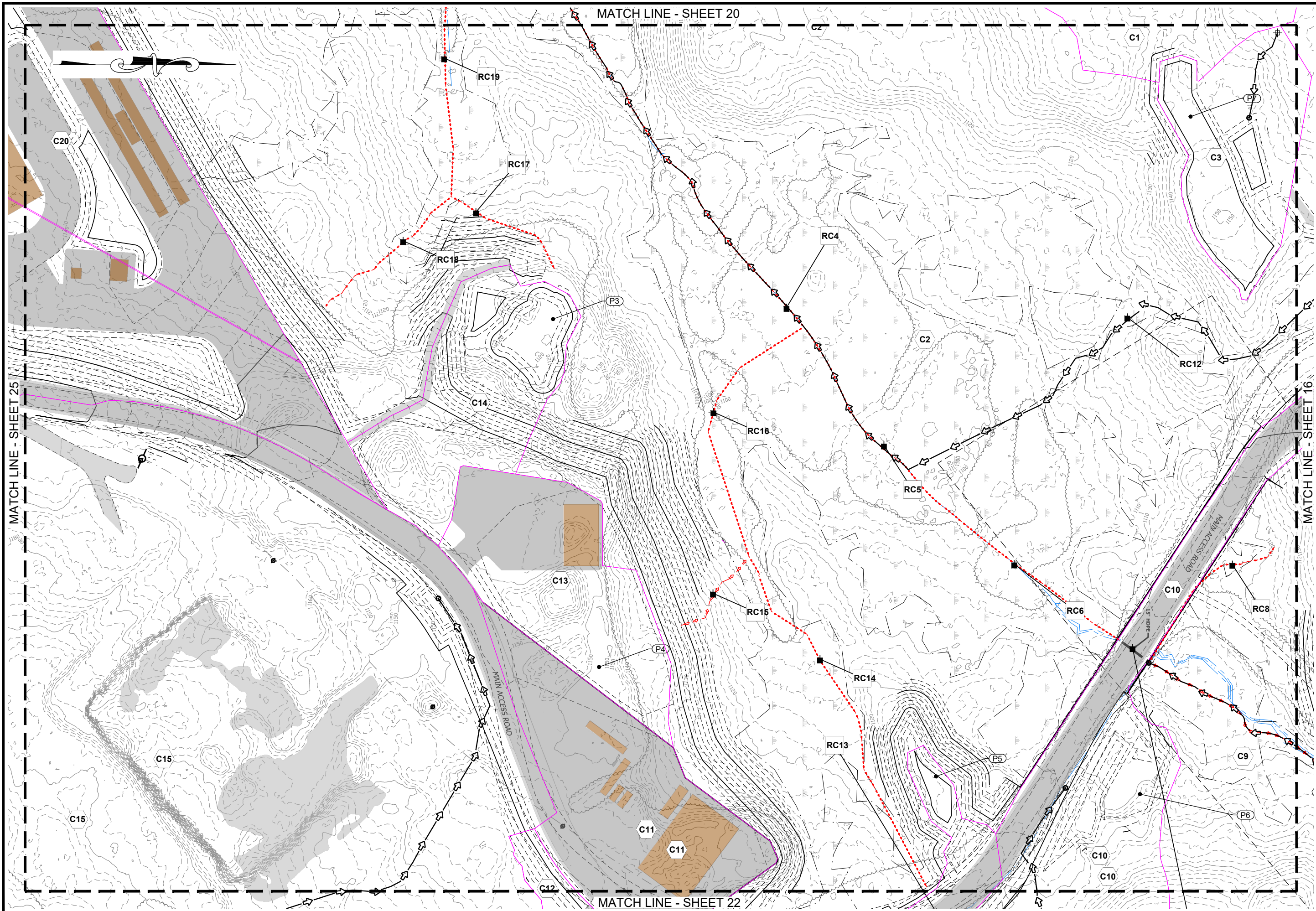
<p>Granite State Landfill, LLC. Dalton, New Hampshire NHDES Alteration of Terrain Permit Application Int-2 Development Drainage Plan Sheet 18</p>		<p>date: January 2024</p>	<p>designed by: NJM</p>	<p>project no: 1101</p>	<p>drawn by: NJM</p>	<p>checked by: ALS</p>	<p>approved by: ALS</p>	<p>scale: 0 50' 100' Scale: 1" = 50'</p>
<p>CMA ENGINEERS 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 LICENSED PROFESSIONAL ENGINEER NICHOLAS J. MESSINA No. 17552</p>		<p>no.</p>	<p>revision</p>	<p>date</p>	<p>by</p>	



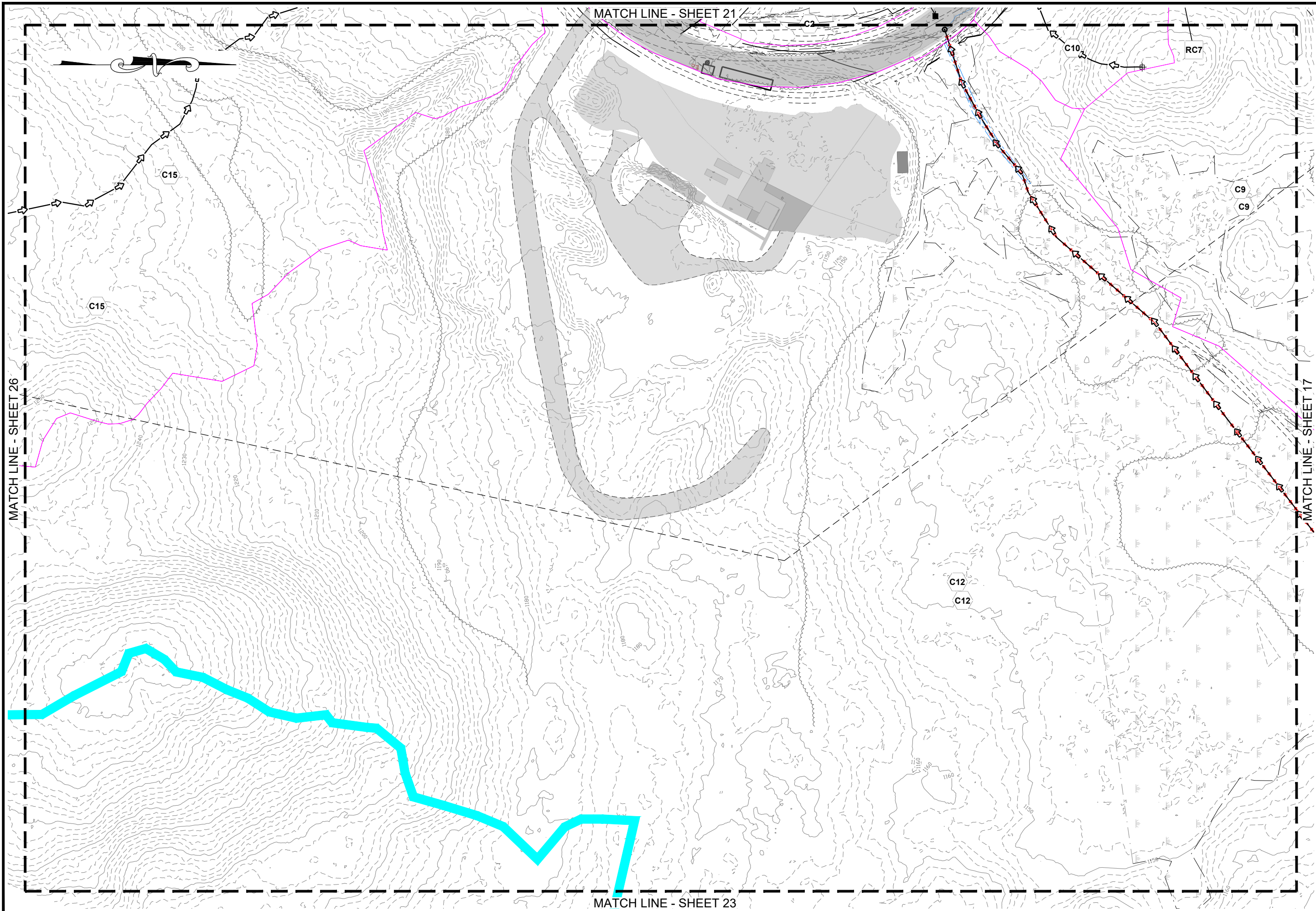
Granite State Landfill, LLC. Dalton, New Hampshire NHDES Alteration of Terrain Permit Application Int-2 Development Drainage Plan Sheet 19		date: January 2024 project no: 1101 checked by: ALS	designed by: NJM drawn by: NJM approved by: ALS	scale: 0 50' 100' Scale: 1" = 50'
CMA ENGINEERS CIVIL/ENVIRONMENTAL/STRUCTURAL Portsmouth, NH • Manchester, NH • Portland, ME 603/431-6196 • 603/627-0708 • 207/641-4223 cmaengineers.com		PROFESSIONAL ENGINEER NICHOLAS J. MESSINA No. 17552 STATE OF NEW HAMPSHIRE		
drawing no. INT DEV 2-19		sheet: 19 of 26		



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		designed by: NJM drawn by: NJM approved by: ALS
date: January 2024 project no: 1101 checked by: ALS	 scale: 1" = 50'	
Granite State Landfill, LLC. Dalton, New Hampshire NHDES Alteration of Terrain Permit Application Int-2 Development Drainage Plan Sheet 20		
drawing no. INT DEV 2-20		
sheet: 20 of 26		



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<p>date: January 2024</p>	<p>designed by: NJM</p>	<p>project no: 1101</p>	<p>drawn by: NJM</p>
<p>checked by: ALS</p>	<p>approved by: ALS</p>	<p>Scale: 1" = 50'</p>	
<p>Granite State Landfill, LLC. Dalton, New Hampshire</p>		<p>NHDES Alteration of Terrain Permit Application Int-2 Development Drainage Plan Sheet 21</p>	
<p>drawing no: INT DEV 2-21</p>			
<p>sheet: 21 of 26</p>			



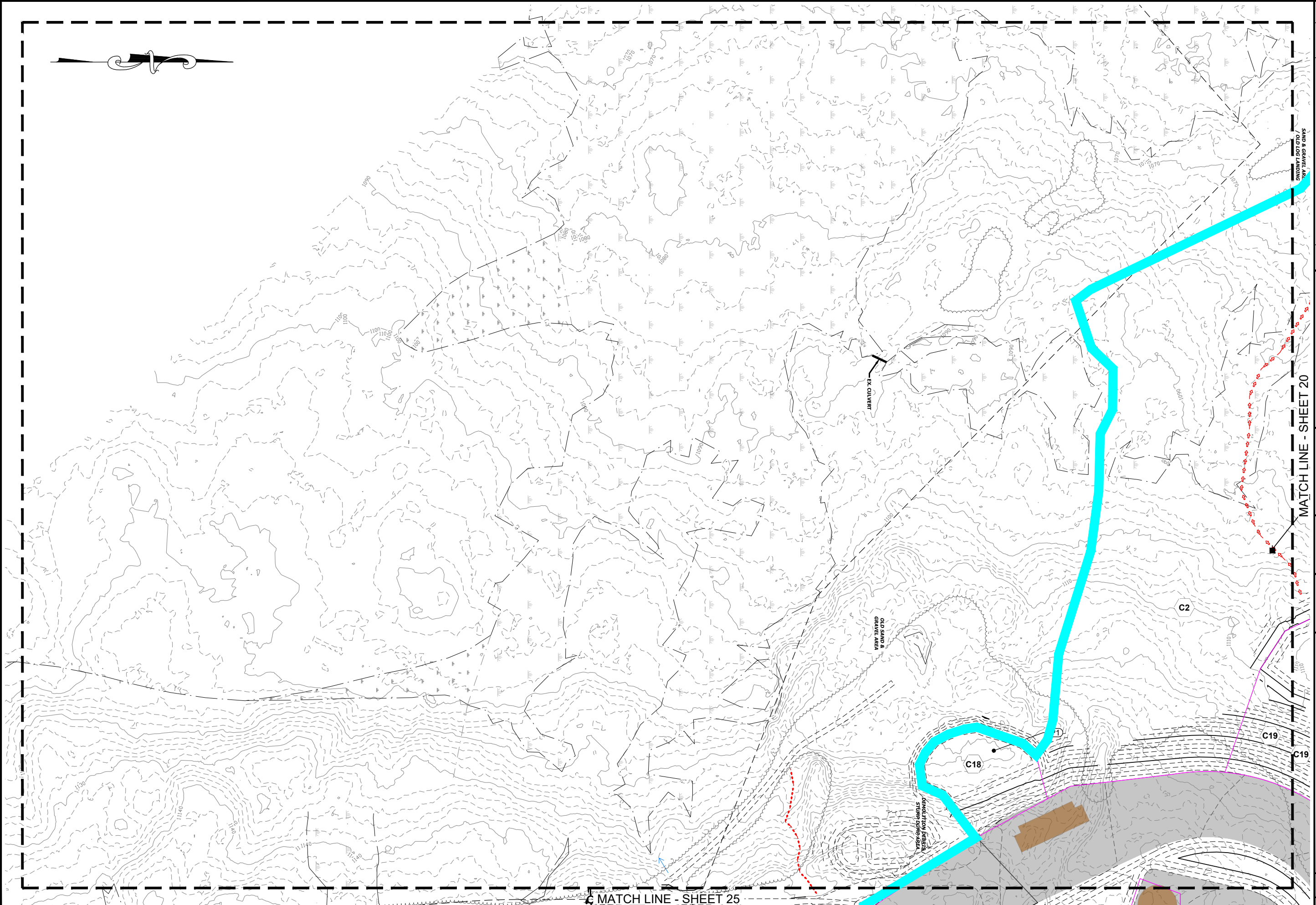
MATCH LINE - SHEET 21

MATCH LINE - SHEET 17

MATCH LINE - SHEET 23

MATCH LINE - SHEET 26

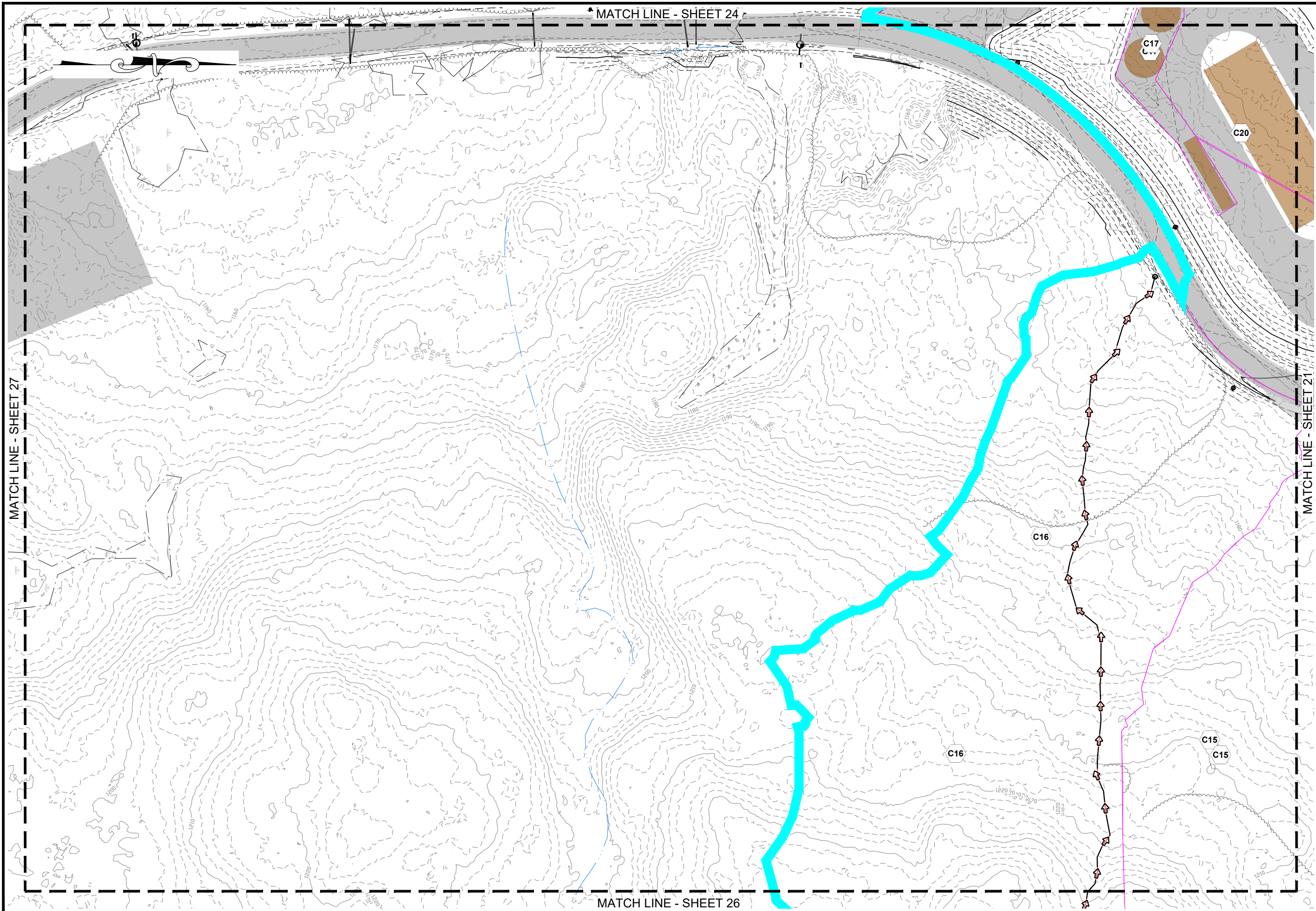
<p>Granite State Landfill, LLC. Dalton, New Hampshire</p>		<p>designed by: NJM</p>	<p>drawn by: NJM</p>	<p>approved by: ALS</p>	<p>scale: 0 50' 100' Scale: 1" = 50'</p>
<p>NHDES Alteration of Terrain Permit Application</p>		<p>date: January 2024</p>	<p>project no.: 1101</p>	<p>checked by: ALS</p>	
<p>Int-2 Development Drainage Plan Sheet 22</p>		<p>drawing no. INT DEV 2-22</p>			
<p>sheet: 22 of 26</p>		<p>no. revision</p>		<p>date by</p>	
<p>CMA ENGINEERS Civil/Environmental/Structural Portsmouth, NH • Manchester, NH • Portland, ME 603/431-6196 • 603/627-0708 • 207/641-4223 cmaengineers.com</p>		<p>NICHOLAS J. MESSINA No. 17552 LICENSED PROFESSIONAL ENGINEER STATE OF NEW HAMPSHIRE</p>			



MATCH LINE - SHEET 25

MATCH LINE - SHEET 20

Granite State Landfill, LLC. Dalton, New Hampshire NHDES Alteration of Terrain Permit Application Int-2 Development Drainage Plan Sheet 24		date: January 2024 project no: 1101 checked by: ALS		designed by: NJM drawn by: NJM approved by: ALS		 NICHOLAS J. MESSINA No. 17552 PROFESSIONAL ENGINEER STATE OF NEW HAMPSHIRE	CMA ENGINEERS CIVIL/ENVIRONMENTAL/STRUCTURAL Portsmouth, NH • Manchester, NH • Portland, ME 603/431-6196 • 603/627-0708 • 207/641-4223 cmaengineers.com	no.	revision	date	by
sheet: 24	of 26	drawing no. INT DEV 2-24	scale: 0 50' 100' Scale: 1" = 50'								



MATCH LINE - SHEET 27

MATCH LINE - SHEET 24

MATCH LINE - SHEET 21

MATCH LINE - SHEET 26

<p>CMA ENGINEERS 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>STATE OF NEW HAMPSHIRE NICHOLAS J. MESSINA No. 17532 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" = 50' 0 50 100'</p>	<p>drawing no. INT DEV 2-25</p>
<p>Granite State Landfill, LLC. Dalton, New Hampshire NHDES Alteration of Terrain Permit Application Int-2 Development Drainage Plan Sheet 25</p>		<p>sheet: 25 of 26</p>

