

**DES Waste Management Division  
29 Hazen Drive; PO Box 95  
Concord, NH 03302-0095**

**Type I-A Modification to Solid Waste  
Management Facility and Waiver Application  
Stage VI Landfill Expansion Operating Plan  
Notification Letters  
North Country Environmental Services Landfill  
581 Trudeau Road  
Bethlehem, NH 03574**

**NHDES Site #: 198704033  
Project Type: SW-LNDFILL  
Project Number: 0021939**

Prepared For:  
North Country Environmental Services  
1855 VT Route 100  
Hyde Park, VT 05655  
Phone Number (802) 651-5454  
RP Contact Name: John Gay  
RP Contact Email: [john.gay@casella.com](mailto:john.gay@casella.com)

Prepared By:  
CMA Engineers, Inc.  
35 Bow Street  
Portsmouth, NH 03801  
Phone Number: (603) 431-6196  
Contact Name: Robert J. Grillo, P.E.  
Contact Email: [rgrillo@cmaengineers.com](mailto:rgrillo@cmaengineers.com)

Date of Submittal: April 6, 2020



April 6, 2020

Ms. Jaime Colby, P.E.  
Solid Waste Management Bureau  
New Hampshire Department of Environmental Services  
29 Hazen Drive, P.O. Box 95  
Concord, New Hampshire 03302-0095

**RE: North Country Environmental Services, Inc.  
Lined Landfill – Bethlehem, New Hampshire  
Type I-A Permit Modification – Stage VI (DES-SW-SP-03-002)**

Dear Ms. Colby:

On behalf of North Country Environmental Services, Inc., CMA Engineers, Inc. writes to transmit copies of notification letters regarding the above-referenced permit modification application sent to the Ammonoosuc River Local Advisory Committee and the New Hampshire Department of Environmental Services Rivers Coordinator. These notification letters were sent in accordance with requirements in Env-Sw 303.11 and NH RSA 483.

Should you have any questions, please do not hesitate to contact me at (207) 590-5598.

Best regards,

CMA ENGINEERS, INC.

Robert J. Grillo, P.E.  
Project Manager

Encl.

cc. John Gay, NCES  
Kevin Roy, NCES  
Bryan Gould, Esquire, Cleveland, Waters and Bass, P.A.



April 6, 2020

Ammonoosuc River Local Advisory Committee  
Richard Walling, Chair  
323 Monroe Road  
Bath, NH 03740

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03801-3819

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***VIA CERTIFIED MAIL RETURN RECEIPT REQUESTED***

**RE: North Country Environmental Services, Inc. Stage VI Landfill Expansion  
New Hampshire Department of Environmental Services  
Waste Management Division, Permitting & Design Review Section  
Type I-A Permit Modification and Waiver Application (DES-SW-SP-03-002)  
CMA #1063**

Dear Mr. Walling,

Pursuant to RSA 149-M and 483, and the New Hampshire Solid Waste Rules, you are hereby notified that North Country Environmental Services, Inc., (NCES) has filed an application with the New Hampshire Department of Environmental Services (NHDES) for a Type I-A Permit Modification to the Standard Facility Permit on or about March 13, 2020 for its landfill located at 581 Trudeau Road in Bethlehem, NH. The application, if approved, would allow the construction of the Stage VI Landfill expansion. NCES submitted the application for this proposed landfill expansion in accordance with guidance provided by the department.

NCES is also applying for an Application for Waiver to the solid waste rules. NCES is specifically requesting a waiver of NH Solid Waste Rule Env-Sw 805-07(a)(1) and (b)(1) of the New Hampshire Code of Administrative Rules which relate to leak detection and location system design standards. NHDES issued a similar waiver to these rules as part of the Stage IV Phase II permitting in 2013, and Stage V permitting in 2014.

You are being notified as a portion of the project lies within the 0.25-mile (1320-foot) corridor of the Ammonoosuc River as shown on the enclosed figure. The Stage VI limits of waste are located 1,200 feet from the river. As indicated in Section ENV-Sw 1003.07 of the Design Report in the permit application, the proposed Stage VI landfill construction limits are located 1,000 feet from the Ammonoosuc River high water line and 500-year floodplain. A 120-foot tall steep riverbank at the project location provides a natural barrier to block the view of the landfill from the river.

A copy of the permit application is also submitted under separate cover. To assure proper consideration of your comments, if any, please submit written comments direct to the NHDES-WMD, P.O. Box 95, Concord, NH 03302-0095 within the next 30 days.

Stage VI would accept municipal solid waste, construction and demolition debris and special waste (approved by the NHDES prior to acceptance). Municipal solid waste generally comprises 60 to 70% of the waste received at the facility. The primary source of the waste accepted at the facility has historically been New Hampshire residents and businesses. Stage VI would comprise approximately 5.7 acres extending the

landfill to the east and south of the existing landfill. Construction of the Stage VI expansion is anticipated to start in 2020, with operations in the new cell anticipated to extend through 2026. The Stage VI landfill would provide approximately 1,241,000 cubic yards of disposal capacity.

For additional information regarding these applications you may contact me at CMA Engineers, Inc., 35 Bow Street, Portsmouth, NH 03801, (603) 431-6196.

The applications can be reviewed at NCES's offices at 581 Trudeau Road, Bethlehem, NH 03574 during normal business hours, the offices of the Town of Bethlehem at 2511 Main Street, and at NHDES located at 29 Hazen Drive, Concord, NH. The permit applicant, facility owner, facility operator and property owner is NCES. NCES's mailing address is P.O. Box 9, Bethlehem, NH 03574. You may also direct inquiries about the applications to Mr. John Gay, Engineering Manager, 1855 VT Route 100, Hyde Park, VT 05655. You can also contact Mr. Gay at 802-651-5454 or [John.Gay@casella.com](mailto:John.Gay@casella.com).

The New Hampshire Solid Waste Rules have specific procedures for the review and issuance or denial of applications such as NCES is filing. The procedures involve a series of steps, which are substantively identical to those depicted on the enclosed flow chart for a standard permit application.

If you have any questions regarding the permit application review process, or wish to comment on the subject application, please contact Ms. Jaime Colby, P.E. at NHDES-Waste Management Division, 29 Hazen Drive, P.O. Box 95, Concord, NH, 03302-0095, (603) 271-5185.

Very truly yours,  
CMA ENGINEERS, INC.



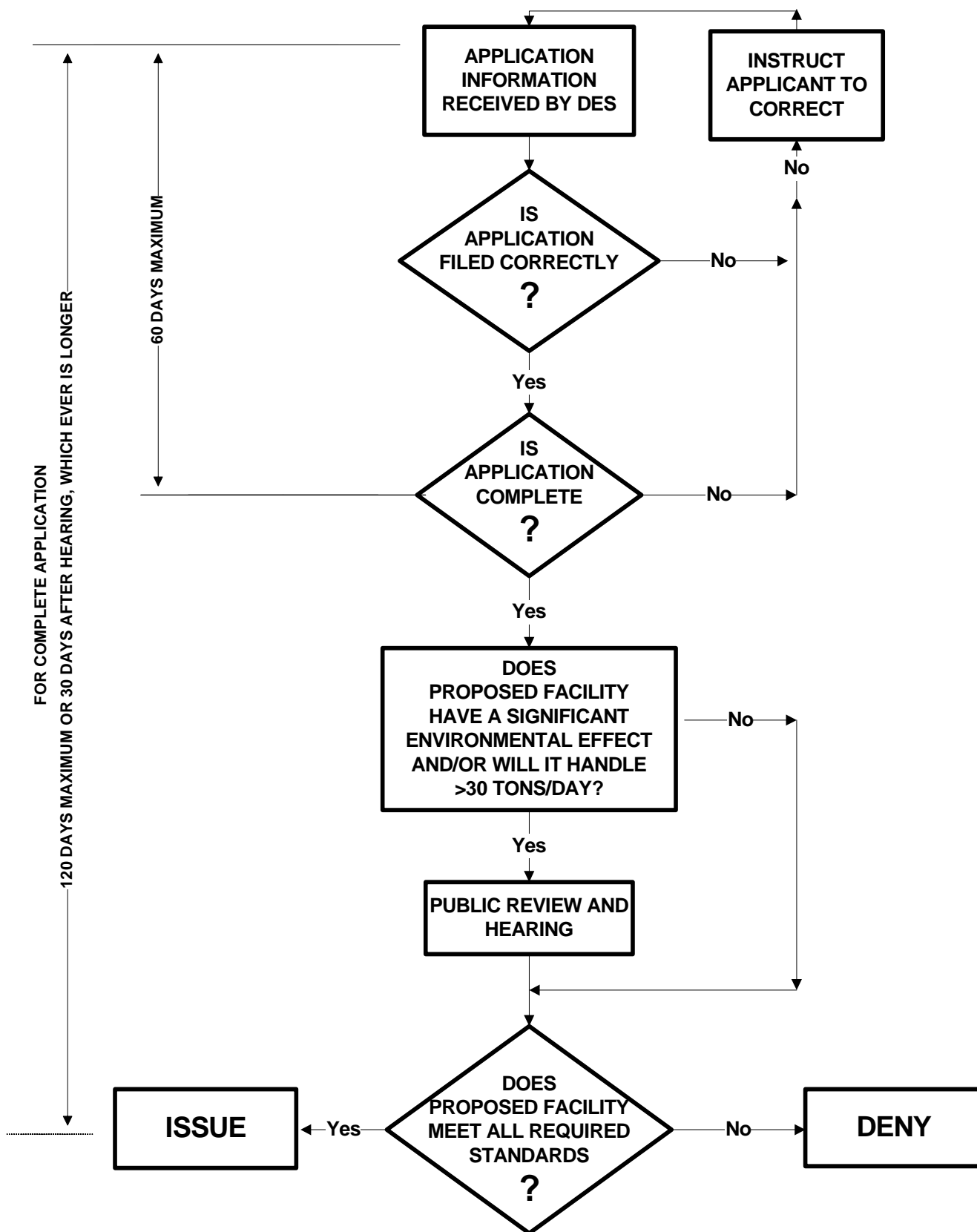
Robert J. Grillo, P.E.  
Project Manager

Enclosure

cc w/o enc: Jaime Colby, P.E., NHDES  
John Gay, NCES  
Kevin Roy, NCES  
Bryan Gould, Esquire, Cleveland, Waters and Bass, P.A.



**STANDARD PERMIT APPLICATION PROCESSING PROVISIONS  
AS PROVIDED IN PARTS Env-Sw 303 - 305  
OF THE NEW HAMPSHIRE SOLID WASTE RULES**







April 6, 2020

Ms. Tracie Sales  
New Hampshire Department Environmental Services  
Water Pollution Division  
29 Hazen Drive, P.O. Box 95  
Concord, NH 03302-0095

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Waste Management Division, Permitting & Design Review Section  
Type I-A Permit Modification and Waiver Application (DES-SW-SP-03-002)  
CMA #1063**

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Very truly yours,

CMA ENGINEERS, INC.



Robert J. Grillo, P.E.  
Project Manager

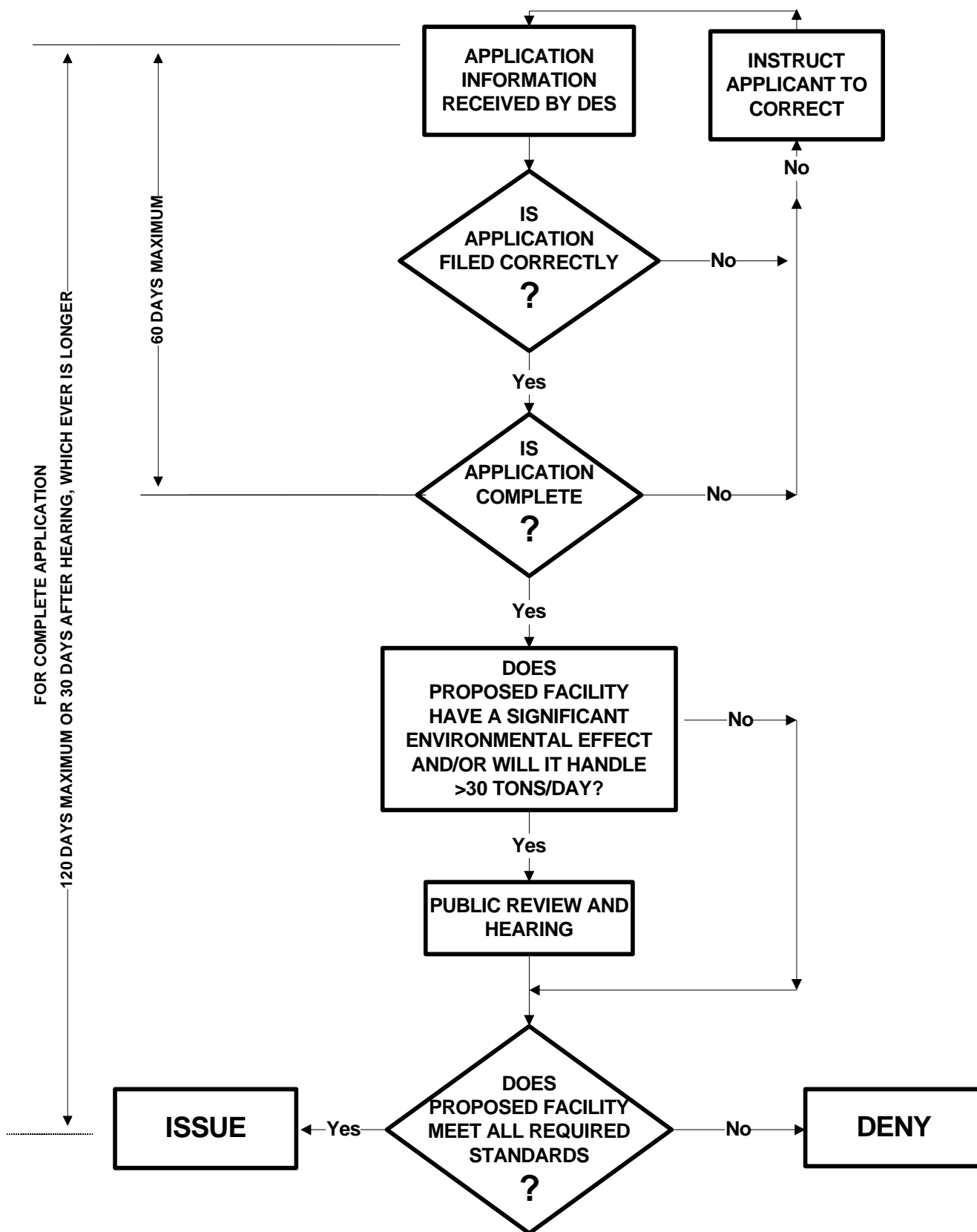
Enclosure

Cc w/o enc: Jaime Colby, P.E., NHDES  
John Gay, NCES  
Kevin Roy, NCES  
Bryan Gould, Esquire, Cleveland, Waters and Bass, P.A.





**STANDARD PERMIT APPLICATION PROCESSING PROVISIONS  
AS PROVIDED IN PARTS Env-Sw 303 - 305  
OF THE NEW HAMPSHIRE SOLID WASTE RULES**

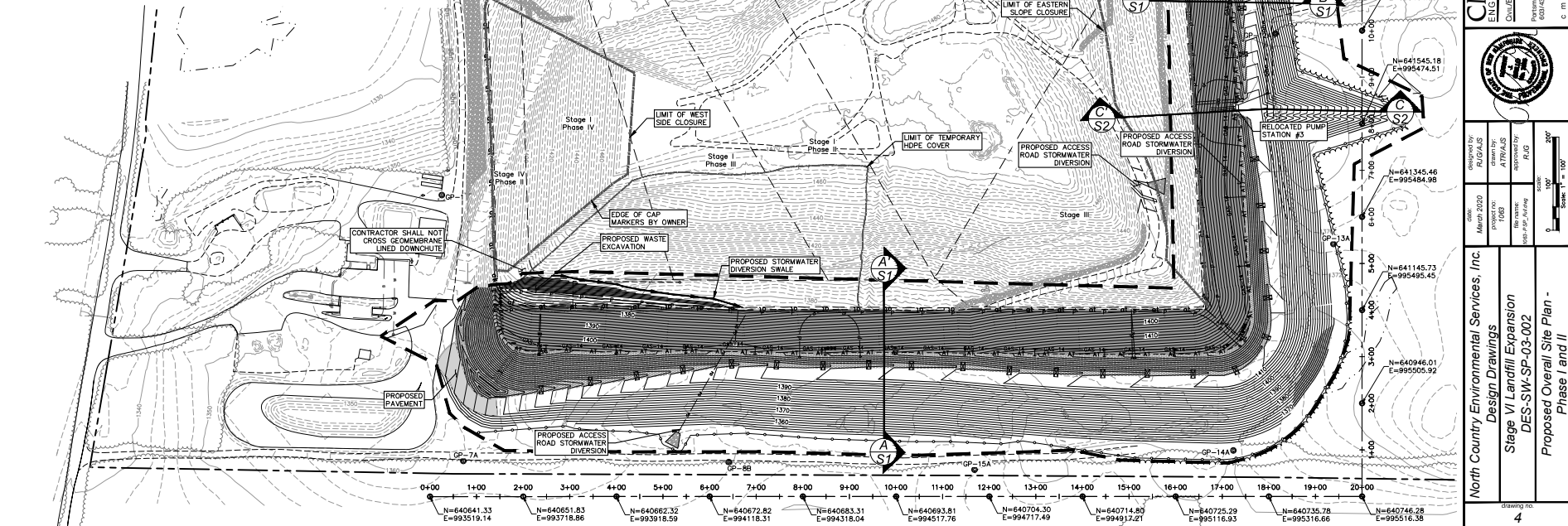


# Notes:

1. Existing topography is survey created from aerial photogrammetry performed on June 7, 2019 by Aerial Survey and Photo, Inc. Horizontal and vertical ground control was provided by Horizons Engineering of Littleton, New Hampshire. Horizontal datum is based on NAD83 NH State Plane coordinates system and the Vertical datum is based on NAVD88. Grading depicted within Stage V Phase II will vary due to operation of active landfill.
2. Proposed features on this plan are for reference purposes only. See following sheets for additional detail.
3. Proposed topography shown within the proposed Stage VI landfill expansion on this plan are top of primary sand.
4. Construction baselines and section alignments shown on this sheet are used for landfill cross sections on Sheets S1 & S2.

## Legend:

Existing 2' Contour	fm	Proposed Force Main
Existing 10' Contour	o-o	Proposed Silt Fence
Existing Property Line	ohe	Proposed Overhead Electric
Existing Treeline	p	Proposed Primary Leachate Pipe
Existing Guardrail	s	Proposed Secondary Leachate Pipe
Existing Edge of Gravel	gh	Existing Perimeter Gas Header
Existing Retaining Wall	at	Existing Anchor Trench
Existing Edge of Pond	at	Existing Limit of Waste
Existing Primary Leachate Pipe	AT	Proposed Anchor Trench
Existing Secondary Leachate Pipe	1440	Proposed 10' Contour
Existing Leachate Force Main	os	Proposed 2' Contour
Existing Overhead Electric	pd	Proposed Stone Check Dam
Existing Monitoring Well	pd	Proposed Drainage Pipe
Existing Gas Probe	sas-14	Proposed Perimeter Landfill Gas Header Pipe
Existing Secondary Leachate Collection System Manhole/Pump Station		Proposed Limit of Work
Existing Primary Leachate Collection System Manhole/Pump Station		Proposed Stage VI Limit
Existing Leak Detection Manhole		Proposed Paved Road
Existing Gas Line	gp-12A	Proposed Condensate Trap
Existing Underground Electric		Proposed Gas Probe (by others)
Existing Fence		Proposed Stone and Geotextile
Proposed Treeline		



<b>North Country Environmental Services, Inc.</b> Design Drawings Stage VI Landfill Expansion DES-SW-SP-03-002 Proposed Overall Site Plan - Phase I and II		drawing no. <b>4</b> sheet 4 of 16
designed by ASDANLE checked by ASDANLE approved by ASDANLE title block 1" = 100' 0' 100' 200'	CMA ENGINEERS Civil/Environmental/Structural 100 Main St., Nashua, NH 03063 603.881.8181 • 603.881.8182 • 603.881.8183	by title no. revision