



February 6, 2024

Applicant Receipt
New Hampshire Department of Environmental Services
Wetlands Bureau Land Resources Management
Water Division
29 Hazen Drive, PO Box 95
Concord, NH 03302-0095

RE: Granite State Landfill, LLC
Proposed Lined Landfill - Dalton, New Hampshire
Wetlands Permit Application (File # 2023-3259)

Dear Applicant Receipt Center:

Granite State Landfill, LLC (GSL) writes to provide a response to the New Hampshire Department of Environmental Services Wetlands Bureau (NHDES) administratively incomplete correspondence received by email on December 21, 2023 regarding our Standard Dredge and Fill Wetlands Permit Application # 2023-3259 (Application). We have reiterated your comments in normal font below with our response in **bold italic font**.

- Bullet 1: The application fee for the area of proposed impact to intermittent and perennial streams was not included in the \$200,786.80 fee paid on December 14, 2023.

The application fee did include the proposed impacts to intermittent and perennial streams. Since the intermittent and perennial streams to be impacted are within mapped wetland impact areas, they were included within the respective wetland impact area calculations and the associated filing fee of \$200,786.80. Refer to Attachment 1 for the updated application fee calculation.

- Bullet 2 Part 1: Section 11 – Clear and consistent Impact Area identification (Env-Wt 311.04(g)) – page 5 of Section 8.2 in the Application describes the proposed wetland impacts as approximately 503,118 square feet in contradiction to the impact area of 501,967 square feet stated in the application form. This information is needed to determine if the fee is correct.

Section 11 – To confirm: the total proposed wetland impacts are 501,967 square feet, which is the value stated Section 2.1, Table 8.1 in Section 8, Section 12.4, and the Wetland Impact Plans provided in Section 14.3 of the application.

As a point of clarification, the narrative on page 5 of Section 8.2 of the application was intended to provide approximate areas rounded to acres from square feet. The total impacts of 501,967 square feet indicated in the Application Form (Section 2.1 of the December 2023 Application and Attachment 1 of this letter) is correct.

- Bullet 2 Part 2: Section 12 – Correct Application Fee Calculation (RSA 482-A:3, I) – missing area of intermittent and perennial stream impact in calculation.

As stated in Bullet 1, the square feet of linear stream impacts for intermittent and perennial streams were originally included within the wetland impact areas. The accompanying revised Section 11 of the Standard Dredge and Fill Wetlands Permit Application Form (Attachment 1), Existing Condition Plans (Attachment 2), Wetland Impact Plans (Attachment 3) and wetland impact summary tables (Attachment 4) serve to break-out the square feet of stream impacts. The perennial stream impacts were determined by calculating the square feet of impact from the delineated top of bank. The square foot impact for Intermittent streams was determined by assessing the width of the observed scoured channel.

- Bullet 3: The tax map, block, unit and lot number of each parcel in the subject property on one or more plan sheets as specified in Env-Wt 311.05(a)(3) and Env-Wt 311.05(c)(1)(a). NHDES could not locate this information on any of the submitted plans. Please provide a plan that meets the referenced rules.

Please find attached two figures prepared by Horizons Engineering that provide the required information (Sheets A and B of the Wetland Impact Plans included in Attachment 3).

- Bullet 4: Dated and labeled color photographs of all proposed jurisdictional wetland impact areas as described in Env-Wt 311.06(b).

Consistent with the requirements of Env-Wt 311.06, dated and labeled color photographs of each proposed jurisdictional wetland impact area are included as Attachment 5 of this letter. Two figures that identify the location of each photograph, and a table of coordinates for each photograph location are also included in Attachment 5. Photographs are provided for each wetland impact identification number (ID), based on the Wetland Impact Plans prepared by Horizons Engineering of Littleton, New Hampshire included in Section 14.3 of the application (also summarized in Table 8.1 of Section 8 of the application). The photographs are intended to be representative of the current conditions in each impact area. In some

instances, multiple photograph locations were included for a single wetland impact ID. The wetland impact IDs include proposed permanent, temporary, and after-the-fact impacted areas.

Should you have any further questions, please contact me at (802) 236-5973 or by email at john.gay@casella.com.

Sincerely,

GRANITE STATE LANDFILL, LLC



John Gay, EI
Permitting, Compliance, & Engineering

Encl. via email link

<https://sanbornhead.sharefile.com/d-s8a4ded0de95846f2b3a4567f5bf1f981>

- Attachment 1 – Wetland Application Fee Determination
- Attachment 2 – Existing Conditions Wetland Mapping Plans
- Attachment 3 – Wetland Impact Plans
- Attachment 4 – Wetland Impact Summary
- Attachment 5 – Photograph Log

- c. Douglas Ingerson, Jr., J.W. Chipping (via email)
 - Barry Keith, B.H. Keith Associates (via email)
 - Bethlehem Municipal Clerk/Conservation Commission (via hand deliver 2/8/24)
 - Dalton Municipal Clerk/Conservation Commission (via hand deliver 2/8/24)
 - Ammonoosuc River Local Advisory Committee (via ups mail)
 - NHDES Rivers Program (via email)
-

Attachment 1
Wetland Application Fee Determination

For intermittent and ephemeral streams, the linear footage of impact is measured along the thread of the channel. *Please note, installation of a stream crossing in an ephemeral stream may be undertaken without a permit per Rule Env-Wt 309.02(d), however other dredge or fill impacts should be included below.*

For perennial streams/ivers, the linear footage of impact is calculated by summing the lengths of disturbances to the channel and banks.

Permanent (PERM.) impacts are impacts that will remain after the project is complete (e.g., changes in grade or surface materials).

Temporary (TEMP.) impacts are impacts not intended to remain (and will be restored to pre-construction conditions) after the project is completed.

JURISDICTIONAL AREA		PERM. SF	PERM. LF	PERM. ATF SF	TEMP. SF	TEMP. LF	TEMP. ATF	PERM. ATF LF
Wetlands	Forested Wetland	226,349		10,280	5,557			
	Scrub-shrub Wetland	159,444		22,794	14,508			
	Emergent Wetland	52,698		3,652	1,239			
	Wet Meadow							
	Vernal Pool	2,294						
	Designated Prime Wetland							
	Duly-established 100-foot Prime Wetland Buffer							
Surface	Intermittent / Ephemeral Stream	1,888	956					
	Perennial Stream or River	1,094	909					
	Lake / Pond							
	Docking - Lake / Pond							
	Docking - River							
Banks	Bank - Intermittent Stream							
	Bank - Perennial Stream / River							
	Bank / Shoreline - Lake / Pond							
Tidal	Tidal Waters							
	Tidal Marsh							
	Sand Dune							
	Undeveloped Tidal Buffer Zone (TBZ)							
	Previously-developed TBZ							
	Docking - Tidal Water							
TOTAL		443,767	1,865	36,896	21,304			230

SECTION 12 - APPLICATION FEE (RSA 482-A:3, I)

<input type="checkbox"/> MINIMUM IMPACT FEE: Flat fee of \$400.
<input type="checkbox"/> NON-ENFORCEMENT RELATED, PUBLICLY-FUNDED AND SUPERVISED RESTORATION PROJECTS, REGARDLESS OF IMPACT CLASSIFICATION: Flat fee of \$400 (refer to RSA 482-A:3, 1(c) for restrictions).
<input checked="" type="checkbox"/> MINOR OR MAJOR IMPACT FEE: Calculate using the table below:
Permanent and temporary (non-docking): 501,967 SF × \$0.40 = \$ 200,786.80
Seasonal docking structure: SF × \$2.00 = \$
Permanent docking structure: SF × \$4.00 = \$
Projects proposing shoreline structures (including docks) add \$400 = \$
Total = \$ 200,786.80
<i>The application fee for minor or major impact is the above calculated total or \$400, whichever is greater = \$ 200,786.80</i>

irm@des.nh.gov or (603) 271-2147

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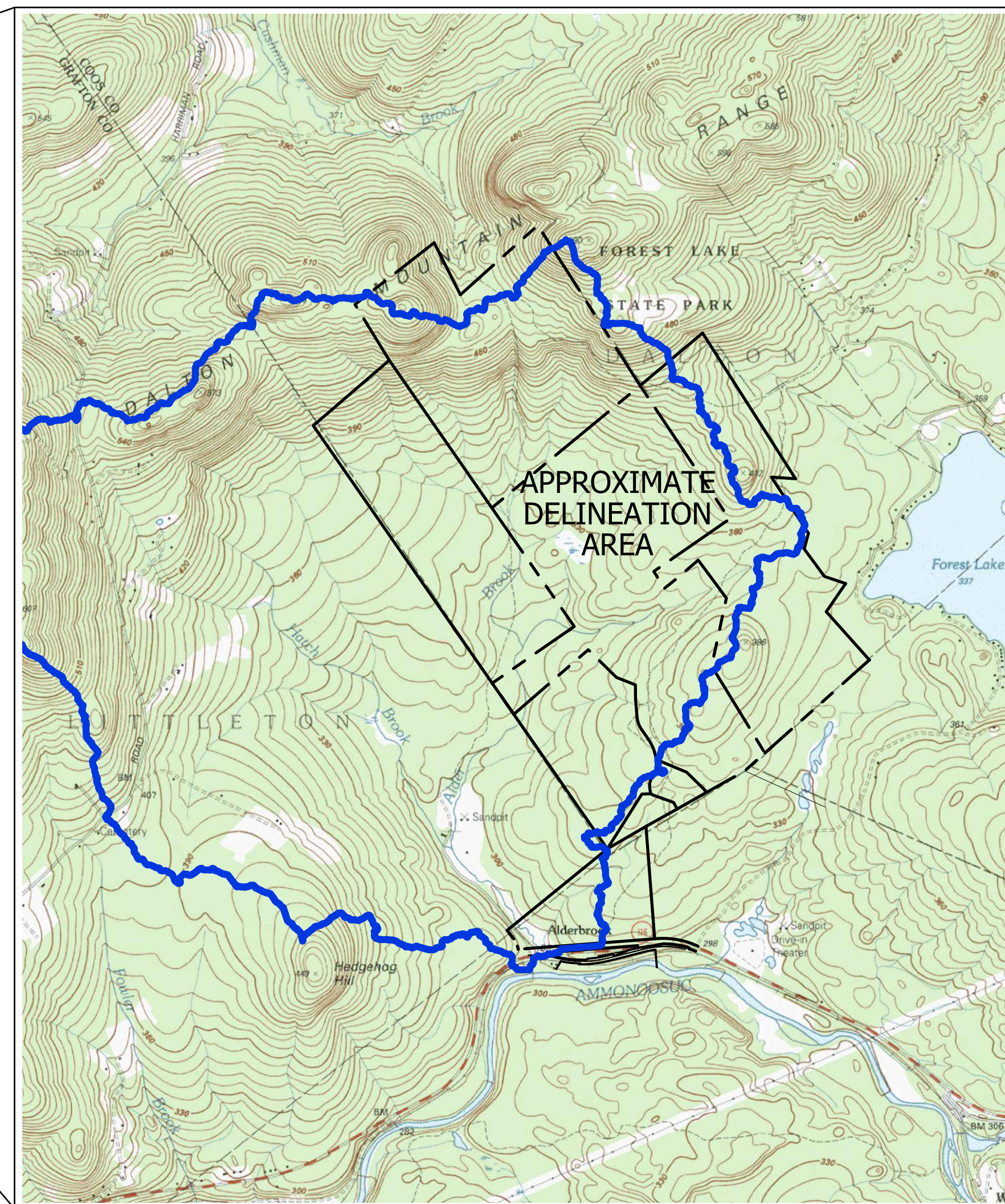
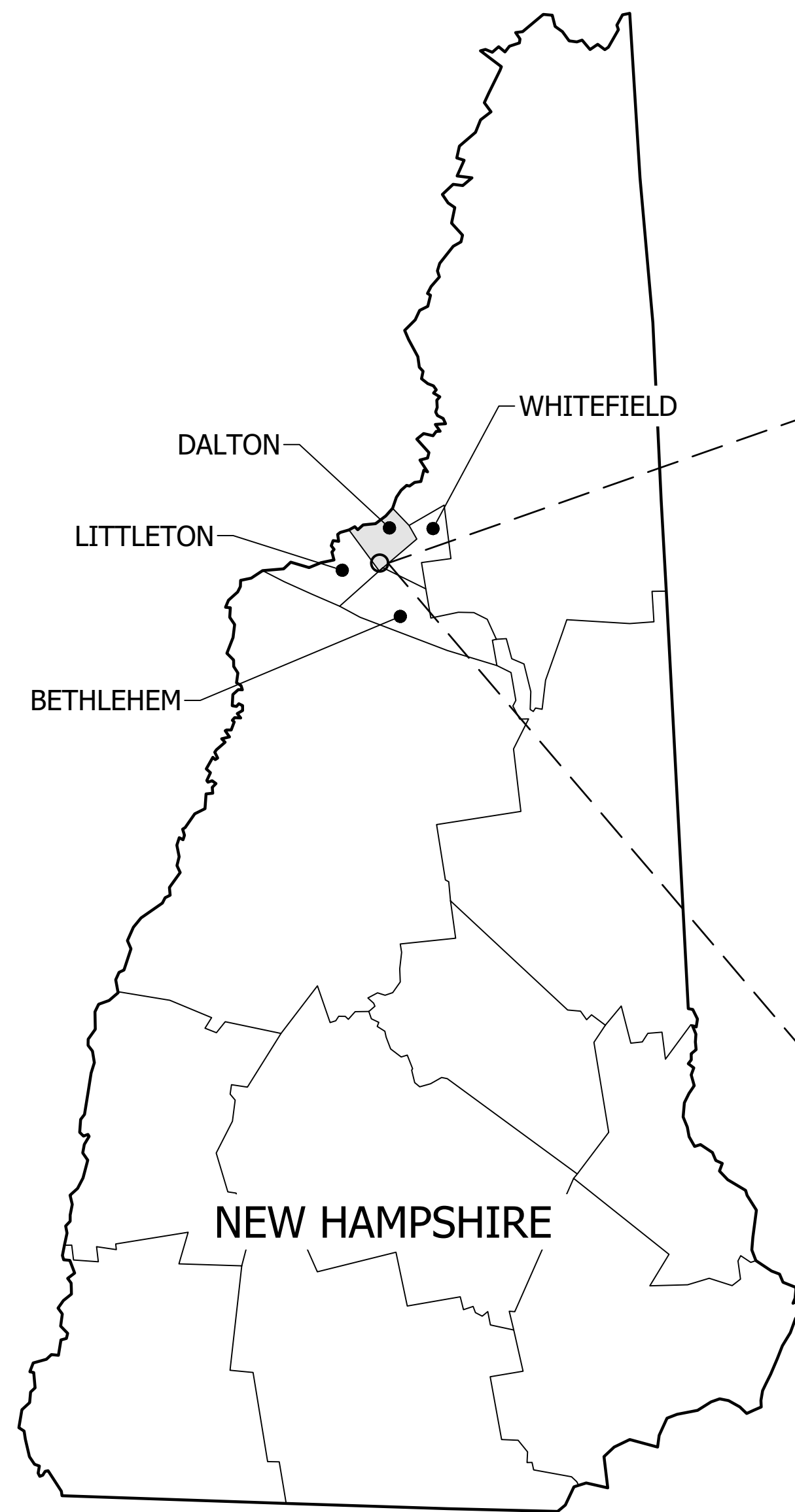
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Attachment 2
Existing Conditions Wetland Mapping Plans
(Bound Separately)

GRANITE STATE LANDFILL, LLC

EXISTING CONDITIONS WETLAND MAPPING PLANS

DALTON, NEW HAMPSHIRE
JANUARY 2024



LOCATION PLAN

SCALE: 1" = 2000'

OWNER:

GRANITE STATE LANDFILL, LLC
1855 VT ROUTE 100
HYDE PARK, VT 05655
802.651.5454

WETLAND SCIENTIST:

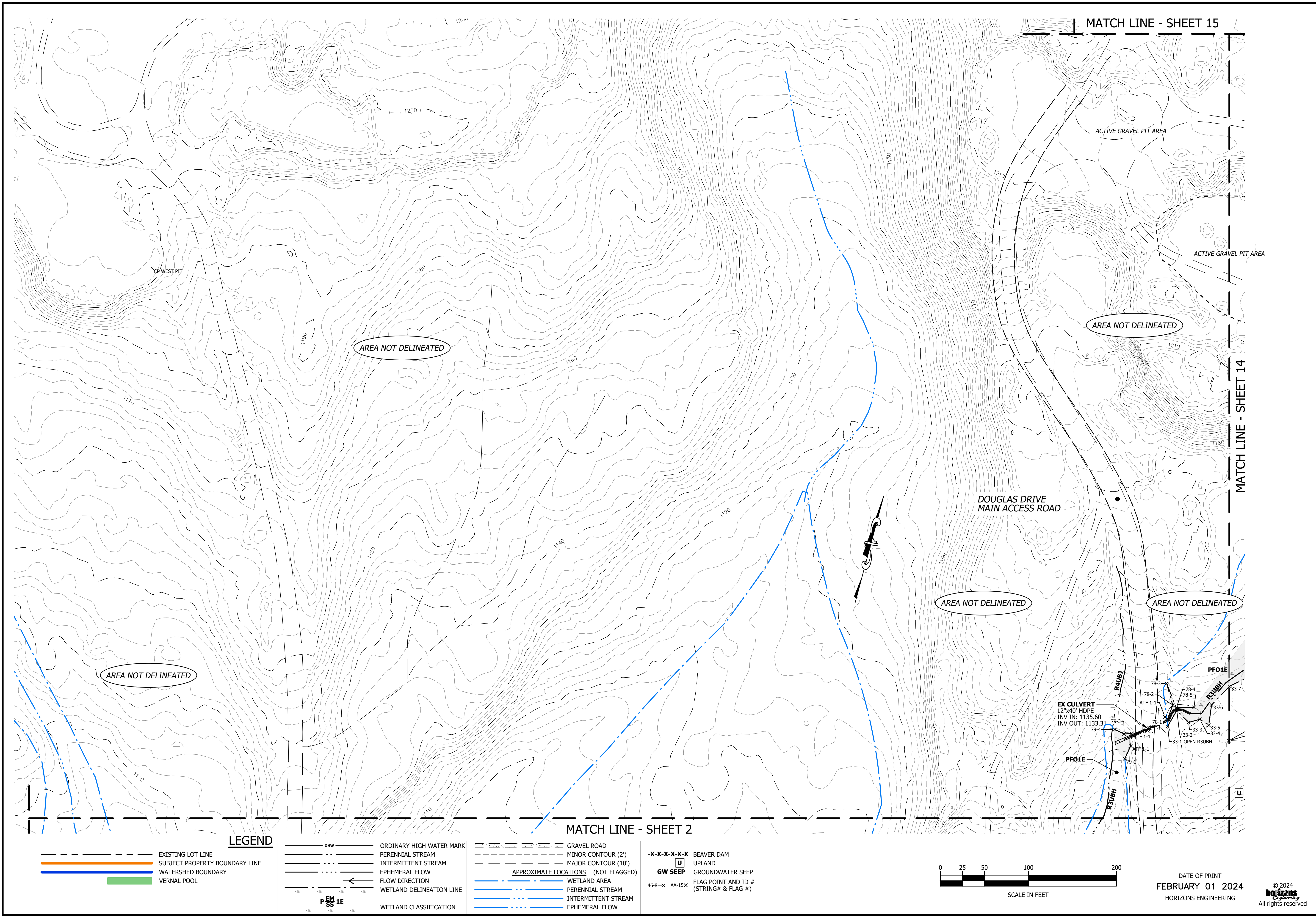
B.H.KEITH ASSOCIATES
11 ELM STREET
P.O. BOX 326
FREEDOM, NH 03836



SURVEYOR:

HORIZONS ENGINEERING, INC.
34 SCHOOL STREET
LITTLETON, NH 03561

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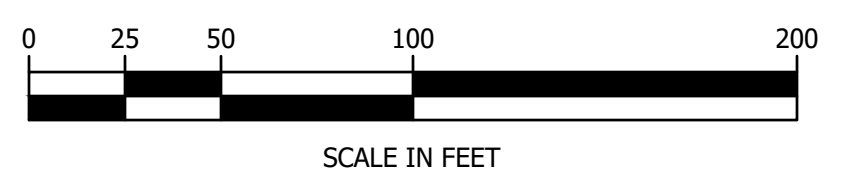
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	EXISTING LOT LINE
	SUBJECT PROPERTY BOUNDARY LINE
	WATERSHED BOUNDARY
	VERNAL POOL

	ORDINARY HIGH WATER MARK
	PERENNIAL STREAM
	INTERMITTENT STREAM
	EPHEMERAL FLOW
	WETLAND DELINEATION LINE
	WETLAND CLASSIFICATION

	GRAVEL ROAD
	MINOR CONTOUR (2')
	MAJOR CONTOUR (10')
	APPROXIMATE LOCATIONS (NOT FLAGGED)
	WETLAND AREA
	PERENNIAL STREAM
	INTERMITTENT STREAM
	EPHEMERAL FLOW

	BEAVER DAM
	UPLAND
	GROUNDWATER SEEP
	FLAG POINT AND ID # (STRING# & FLAG #)



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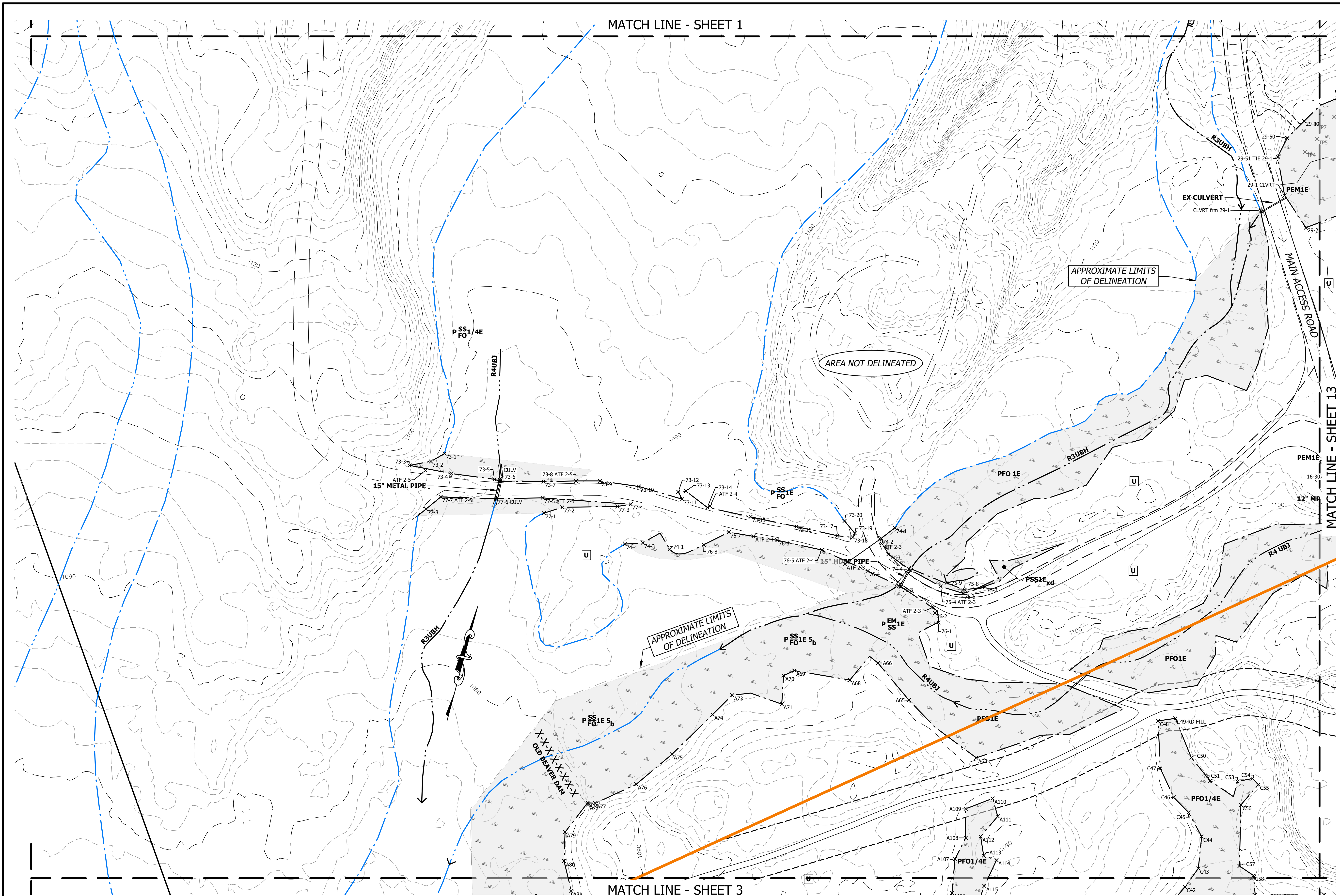
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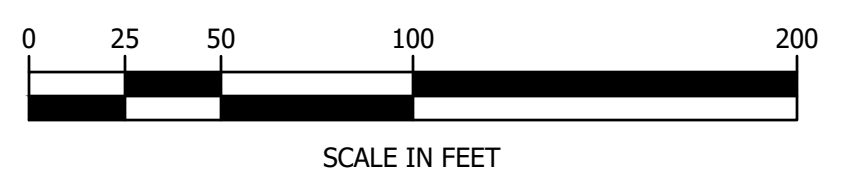
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SHEET 1

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	WATERSHED BOUNDARY
	VERNAL POOL
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	INTERMITTENT STREAM
	EPHEMERAL FLOW
	FLOW DIRECTION
	WETLAND DELINEATION LINE
	WETLAND CLASSIFICATION
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	APPROXIMATE LOCATIONS (NOT FLAGGED)
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	INTERMITTENT STREAM
	EPHEMERAL FLOW
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	GW SEEP
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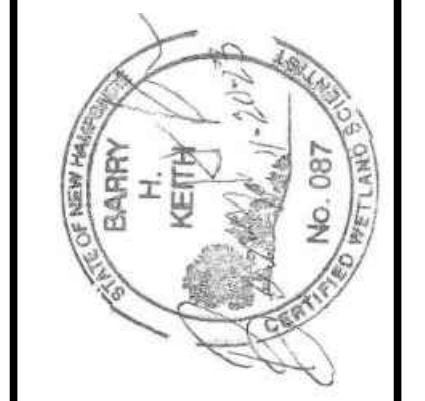


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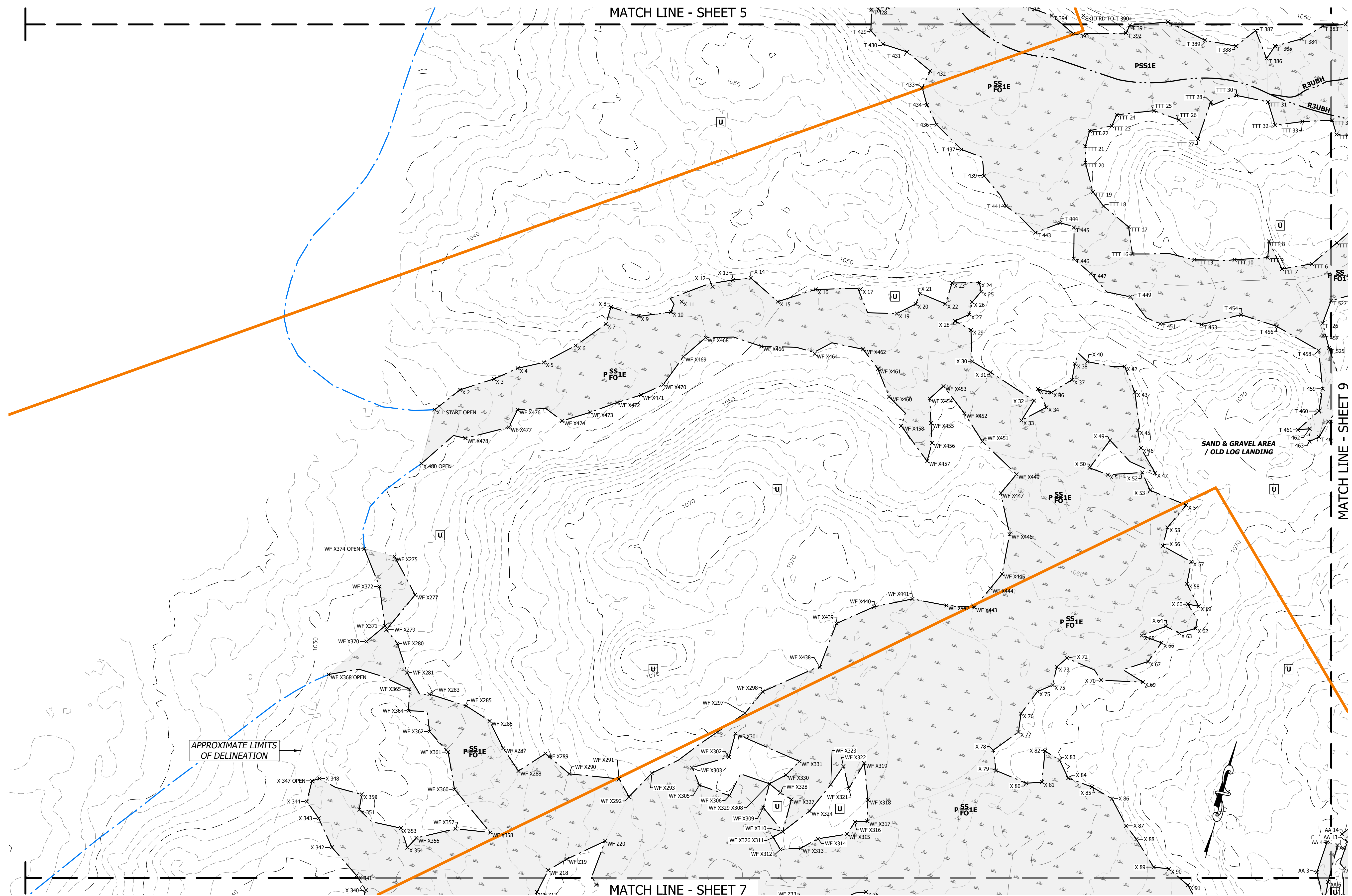
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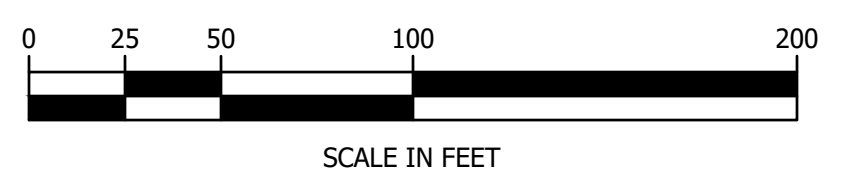
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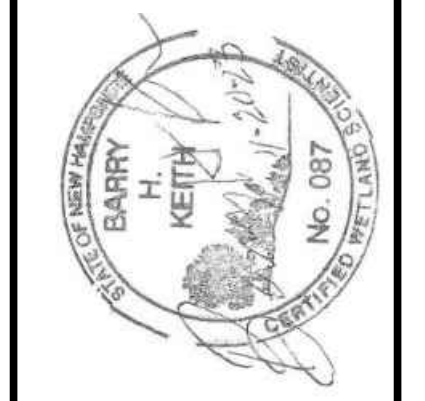


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	WETLAND DELINEATION LINE
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	APPROXIMATE LOCATIONS (NOT FLAGGED)
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	PERENNIAL STREAM
	INTERMITTENT STREAM
	EPHEMERAL FLOW
	BEAVER DAM
	UPLAND
	GROUNDWATER SEEP
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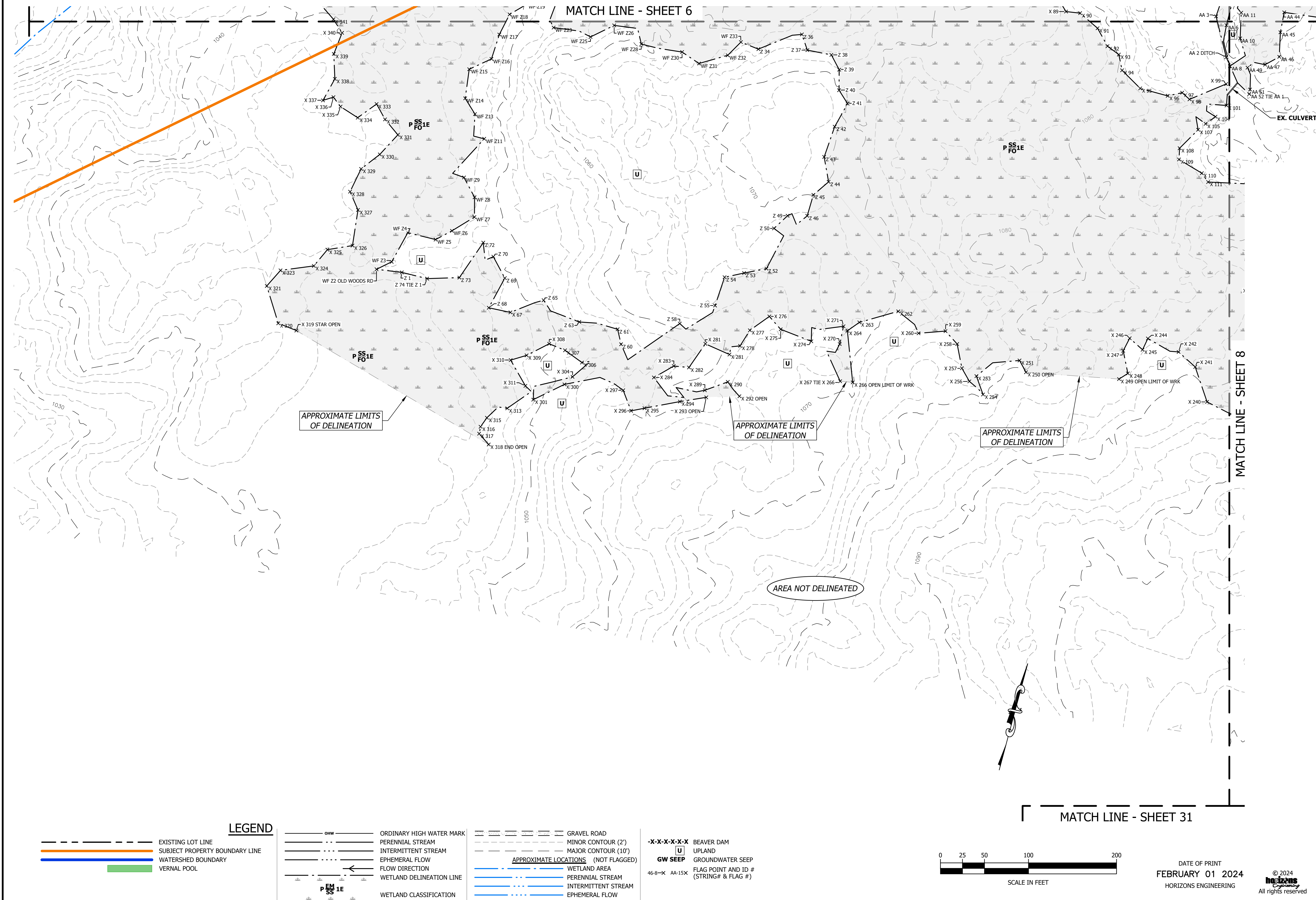
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SHEET 6

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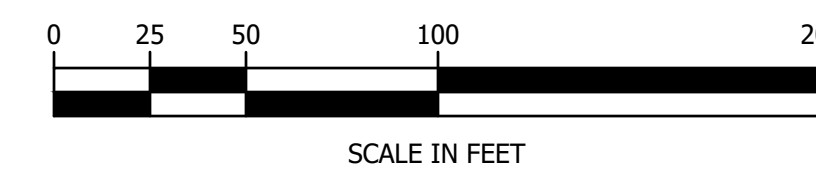
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- WATERSHED BOUNDARY
- VERNAL POOL

LEGEND

- OHW — ORDINARY HIGH WATER MARK
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- INTERMITTENT STREAM
- EPHEMERAL FLOW
- ← FLOW DIRECTION
- WETLAND DELINEATION LINE
- WETLAND CLASSIFICATION

- GRAVEL ROAD
- MINOR CONTOUR (2')
- MAJOR CONTOUR (10')
- APPROXIMATE LOCATIONS (NOT FLAGGED)
- WETLAND AREA
- PERENNIAL STREAM
- INTERMITTENT STREAM
- EPHEMERAL FLOW

- X-X-X-X-X- BEAVER DAM
- U UPLAND
- GW SEEP GROUNDWATER SEEP
- 46-8-X AA-15X FLAG POINT AND ID # (STRING# & FLAG #)



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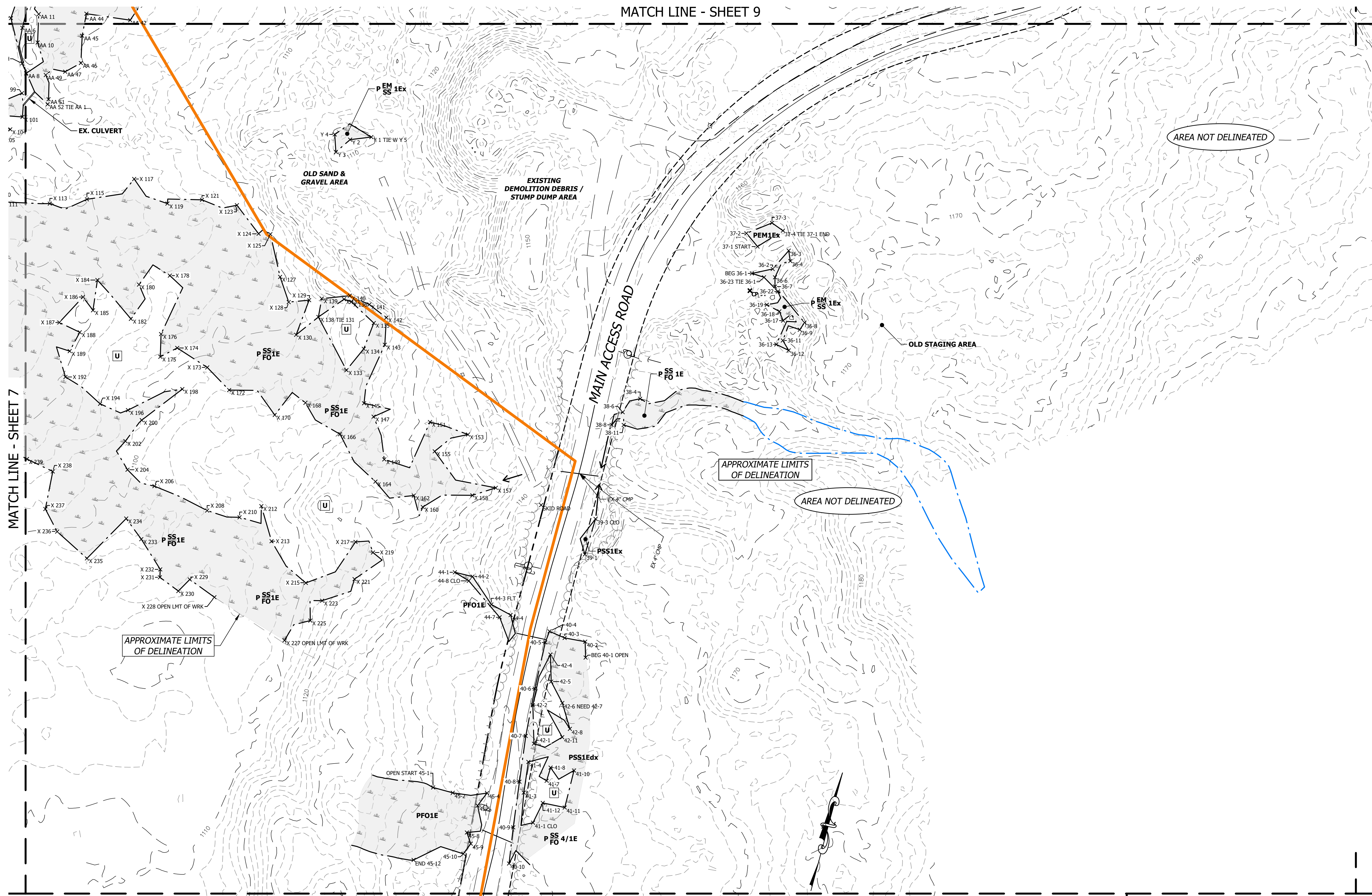


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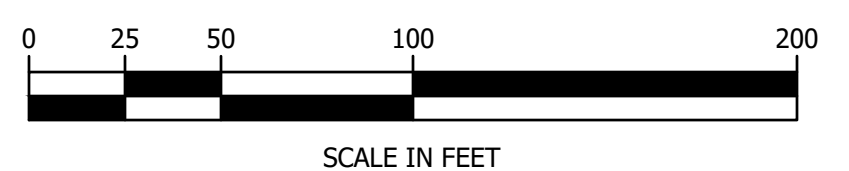
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MATCH LINE - SHEET 31

LEGEND	
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	VERNAL POOL
	ORDINARY HIGH WATER MARK
	PERENNIAL STREAM
	INTERMITTENT STREAM
	EPHEMERAL FLOW
	FLOW DIRECTION
	WETLAND DELINEATION LINE
	WETLAND CLASSIFICATION
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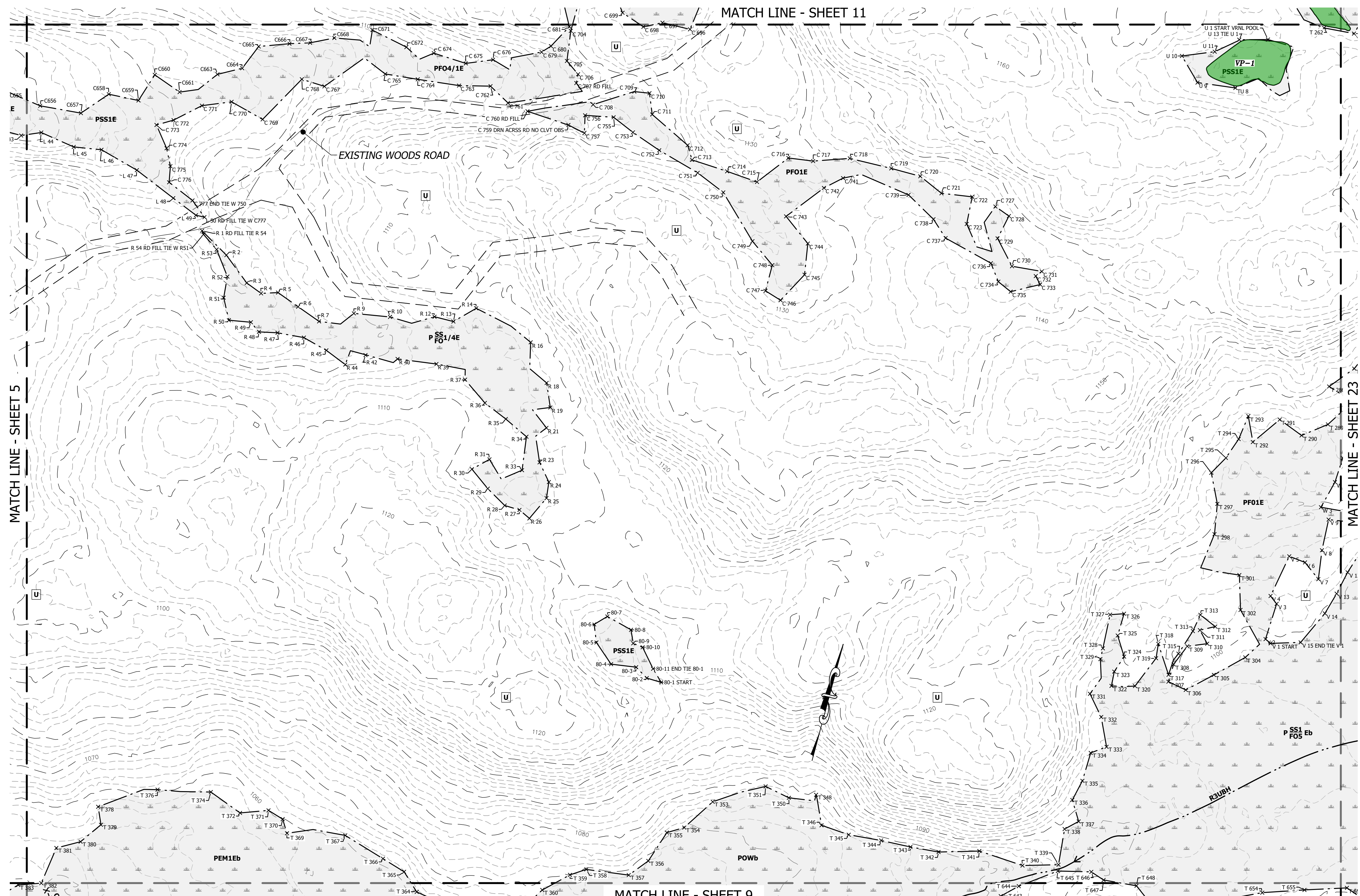
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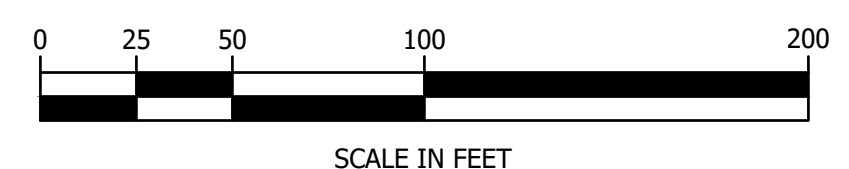
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LEGEND

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	WATERSHED BOUNDARY
	VERNAL POOL
	ORDINARY HIGH WATER MARK
	PERENNIAL STREAM
	INTERMITTENT STREAM
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	WETLAND DELINEATION LINE
	WETLAND CLASSIFICATION

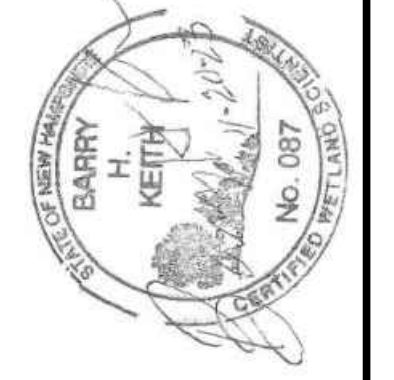
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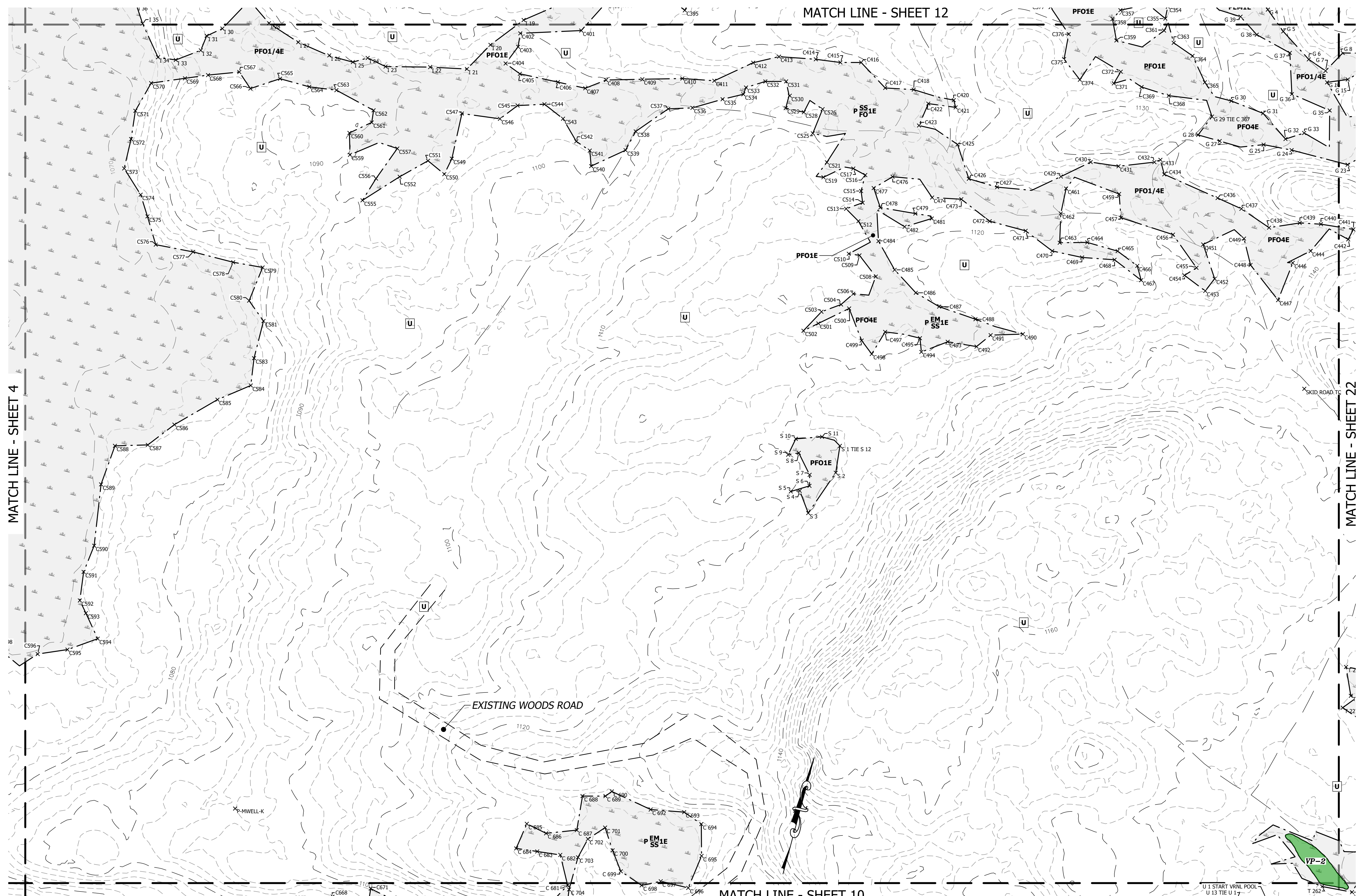
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SHEET 10

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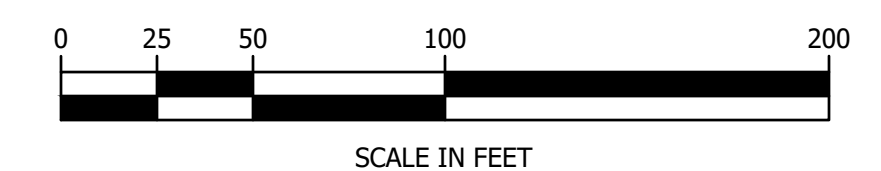
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	SUBJECT PROPERTY BOUNDARY LINE
	WATERSHED BOUNDARY
	VERNAL POOL

	ORDINARY HIGH WATER MARK
	PERENNIAL STREAM
	INTERMITTENT STREAM
	EPHEMERAL FLOW
	FLOW DIRECTION
	WETLAND DELINEATION LINE
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	GRAVEL ROAD
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	APPROXIMATE LOCATIONS (NOT FLAGGED)
	WETLAND AREA
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	INTERMITTENT STREAM
	EPHEMERAL FLOW

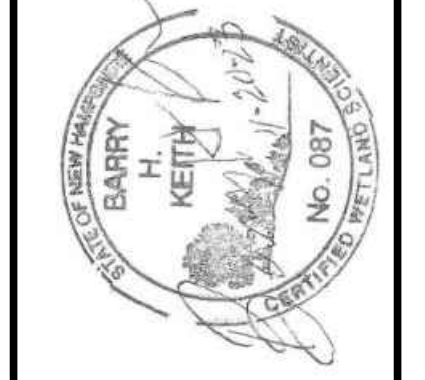
	BEAVER DAM
	UPLAND
	GROUNDWATER SEEP
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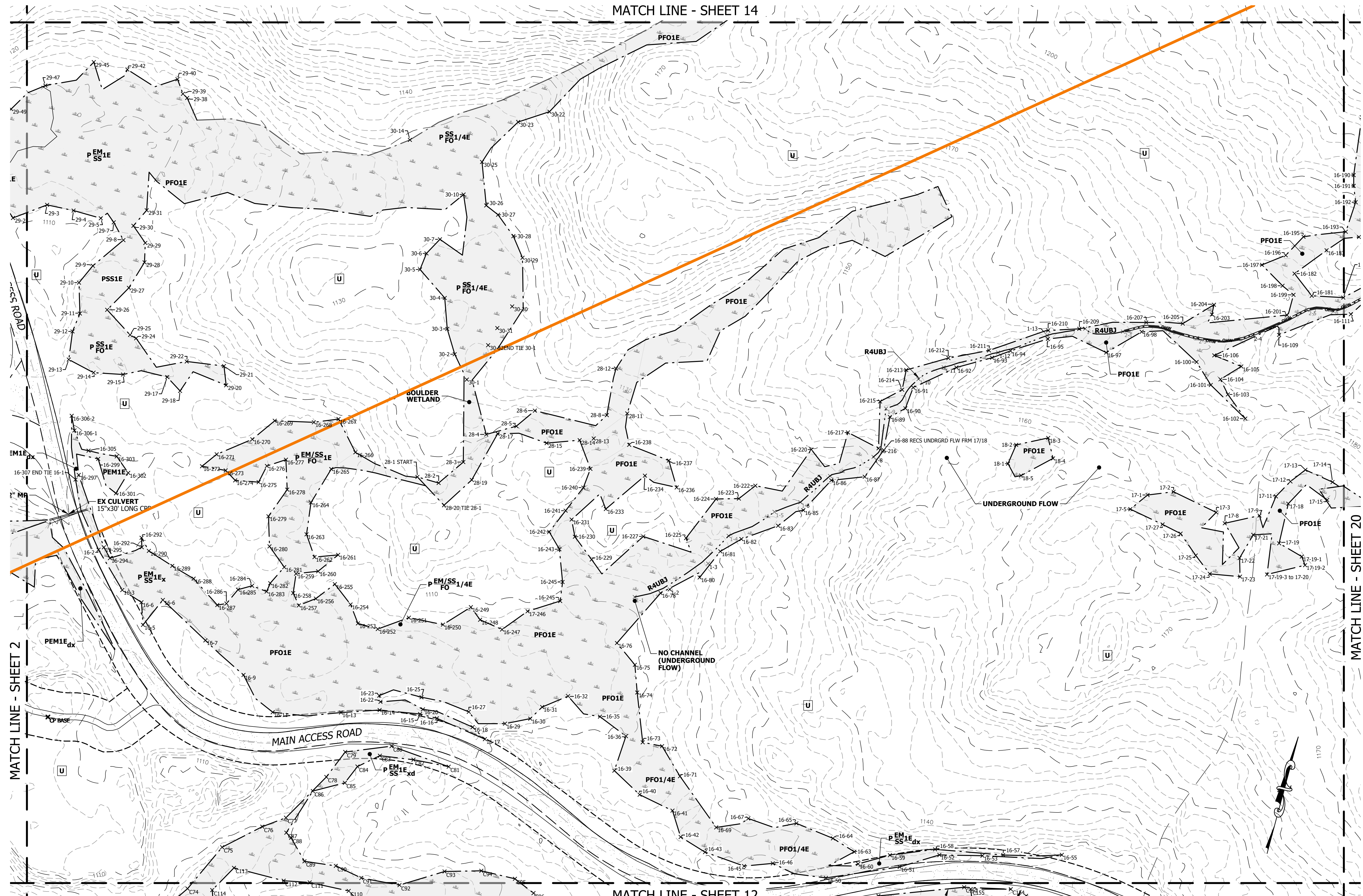
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SHEET 11

MATCH LINE - SHEET 14



MATCH LINE - SHEET 2

MATCH LINE - SHEET 20

MATCH LINE - SHEET 12

LEGEND

	EXISTING LOT LINE		ORDINARY HIGH WATER MARK		GRAVEL ROAD		BEAVER DAM
	SUBJECT PROPERTY BOUNDARY LINE		PERENNIAL STREAM		MINOR CONTOUR (2')		UPLAND
	WATERSHED BOUNDARY		INTERMITTENT STREAM		MAJOR CONTOUR (10')		GROUNDWATER SEEP
	VERNAL POOL		EPHEMERAL FLOW		EPHEMERAL FLOW		FLAG POINT AND ID # (STRING# & FLAG #)
			WETLAND DELINEATION LINE		WETLAND AREA		
			WETLAND CLASSIFICATION		PERENNIAL STREAM		
					INTERMITTENT STREAM		
					EPHEMERAL FLOW		

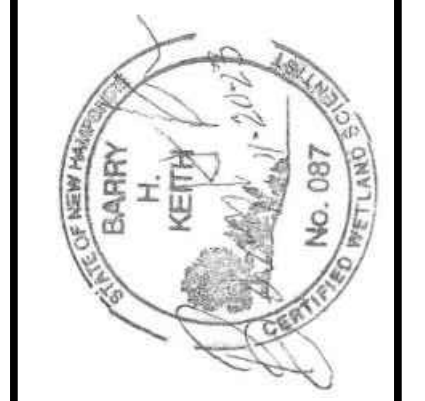
APPROXIMATE LOCATIONS (NOT FLAGGED)

SCALE IN FEET
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NO.	DATE	REVISION DESCRIPTION
19045	JAN 2024	ADDITIONAL SOIL DELINEATIONS / CLASSIFICATION UPDATES

PROJECT #:	19045
DATE:	JAN 2024
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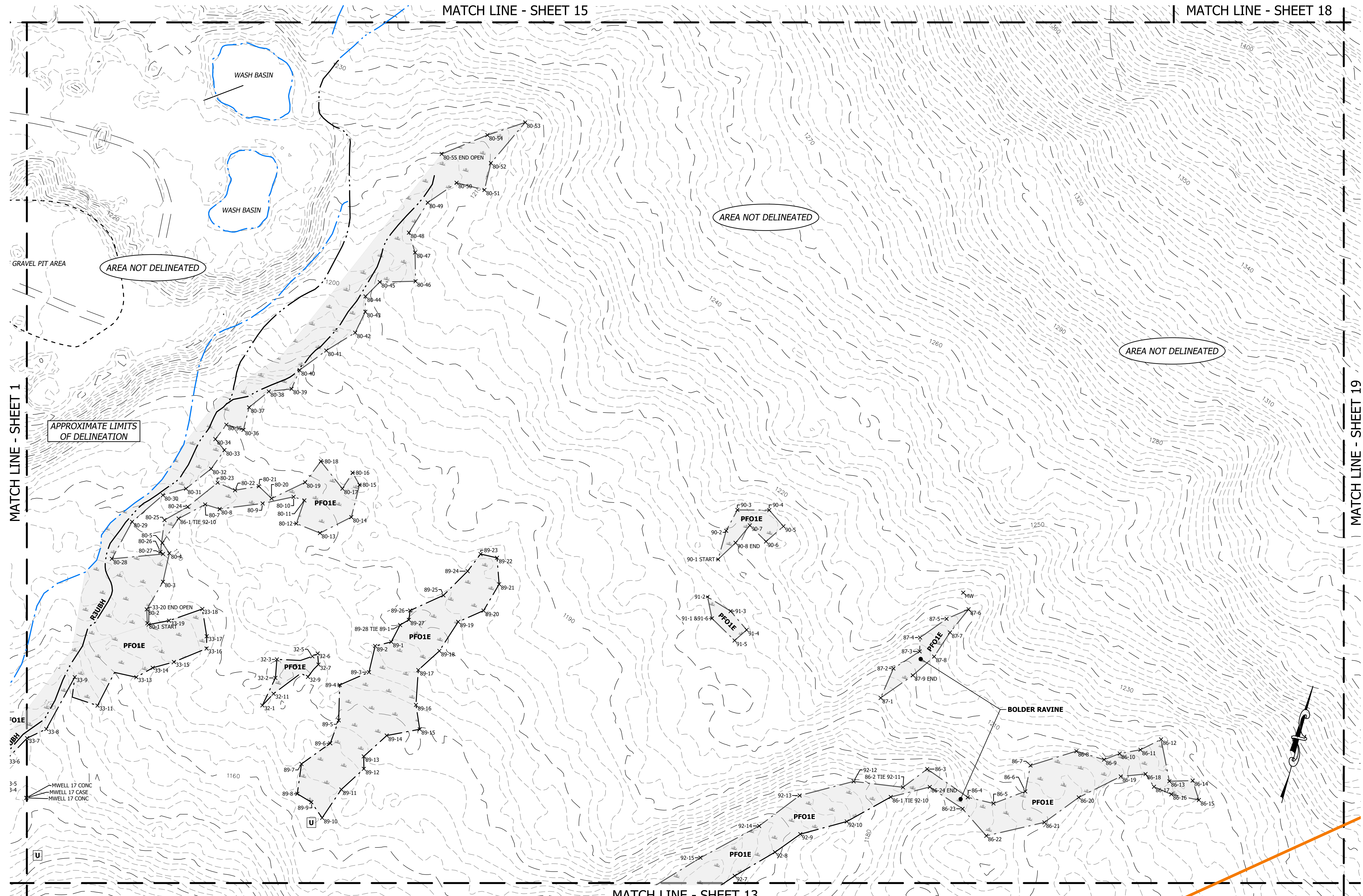
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 WETLAND MAPPING PLAN

SHEET 13

Z:\proj_2019\19045 NCE5 - Dalton\DWGSS\Final\19045 Wet_Layouts-21.dwg, 13, 2/1/2024 3:45:11 PM, KarenPhillips

MATCH LINE - SHEET 15

MATCH LINE - SHEET 18



MATCH LINE - SHEET 1

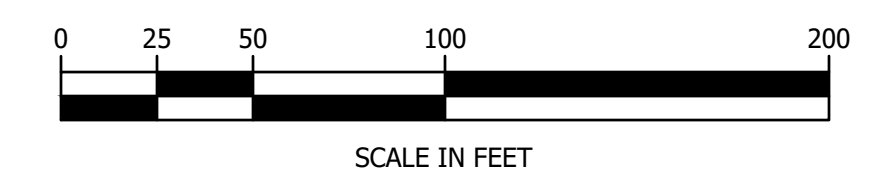
MATCH LINE - SHEET 19

APPROXIMATE LIMITS OF DELINEATION

AREA NOT DELINEATED

AREA NOT DELINEATED

LEGEND	
	EXISTING LOT LINE
	SUBJECT PROPERTY BOUNDARY LINE
	WATERSHED BOUNDARY
	VERNAL POOL
	ORDINARY HIGH WATER MARK
	PERENNIAL STREAM
	INTERMITTENT STREAM
	EPHEMERAL FLOW
	FLOW DIRECTION
	WETLAND DELINEATION LINE
	WETLAND CLASSIFICATION
	GRAVEL ROAD
	MINOR CONTOUR (2')
	MAJOR CONTOUR (10')
	APPROXIMATE LOCATIONS (NOT FLAGGED)
	WETLAND AREA
	PERENNIAL STREAM
	INTERMITTENT STREAM
	EPHEMERAL FLOW
	BEAVER DAM
	UPLAND
	GROUNDWATER SEEP
	FLAG POINT AND ID # (STRING# & FLAG #)



DATE OF PRINT
FEBRUARY 01 2024
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NO.	DATE	REVISION DESCRIPTION
1	2025	ADDITIONAL SOIL DELINEATIONS / CLASSIFICATION UPDATES

PROJECT #:	19045
DATE:	JAN 2024
SURVEYED BY:	HEI
ENGINEERED BY:	BHK
DRAWN BY:	SJB/BDD/KRP
CHECKED BY:	ESP/BHK

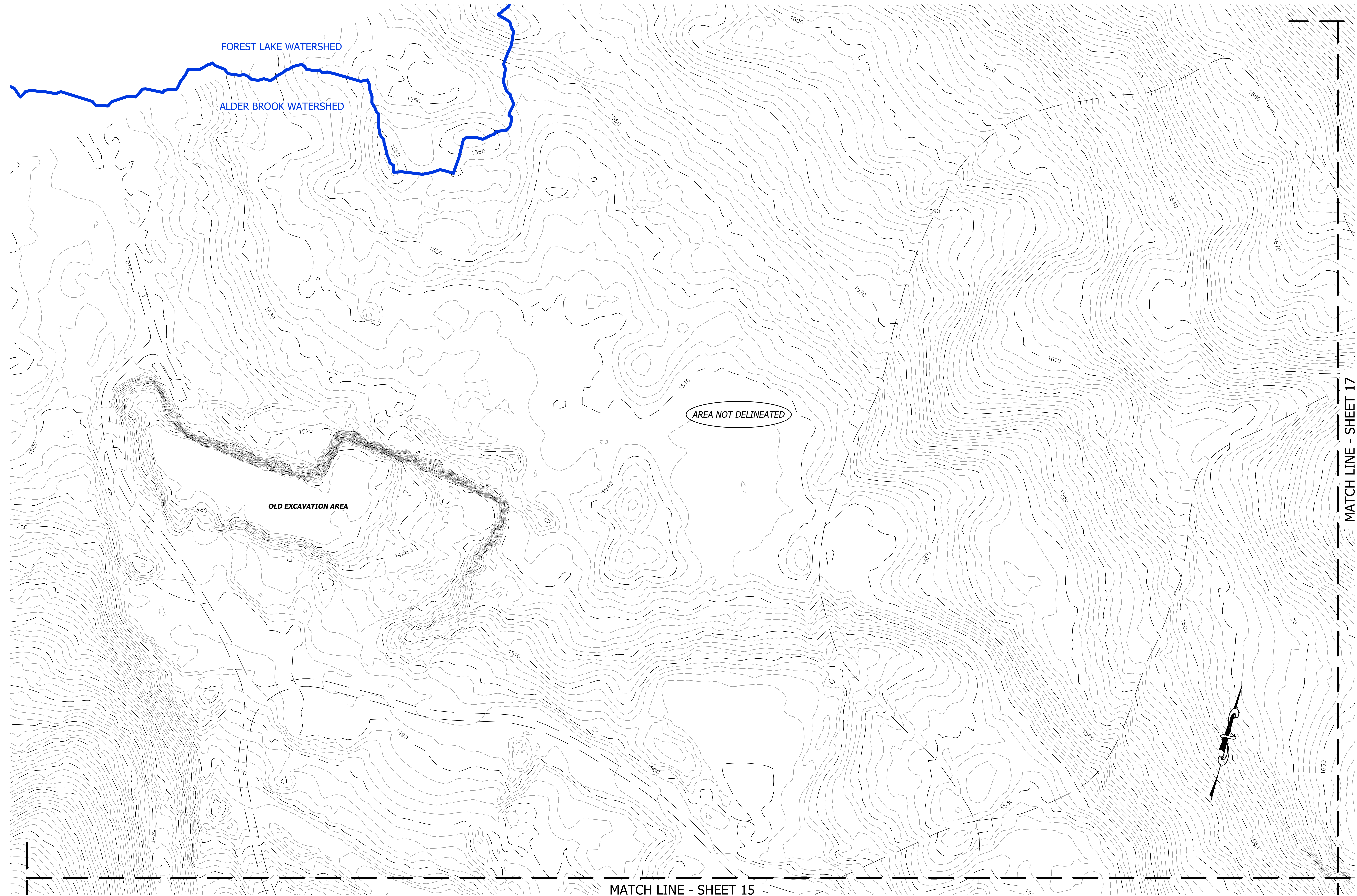


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 EXISTING WETLAND PLANS
 WETLAND MAPPING PLAN

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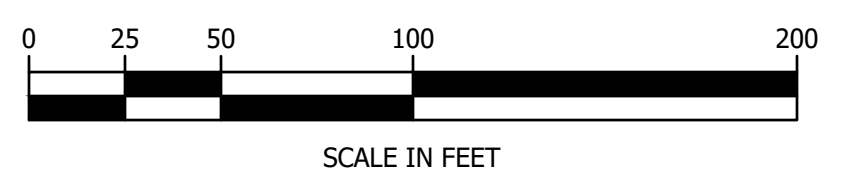
LEGEND

- EXISTING LOT LINE
- SUBJECT PROPERTY BOUNDARY LINE
- WATERSHED BOUNDARY
- VERNAL POOL

- ORDINARY HIGH WATER MARK
- PERENNIAL STREAM
- INTERMITTENT STREAM
- EPHEMERAL FLOW
- FLOW DIRECTION
- WETLAND DELINEATION LINE
- WETLAND CLASSIFICATION

- GRAVEL ROAD
- MINOR CONTOUR (2')
- MAJOR CONTOUR (10')
- APPROXIMATE LOCATIONS (NOT FLAGGED)
- WETLAND AREA
- PERENNIAL STREAM
- INTERMITTENT STREAM
- EPHEMERAL FLOW

- BEAVER DAM
- UPLAND
- GROUNDWATER SEEP
- FLAG POINT AND ID # (STRING# & FLAG #)



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MATCH LINE - SHEET 15

MATCH LINE - SHEET 17

AREA NOT DELINEATED

OLD EXCAVATION AREA

FOREST LAKE WATERSHED

ALDER BROOK WATERSHED

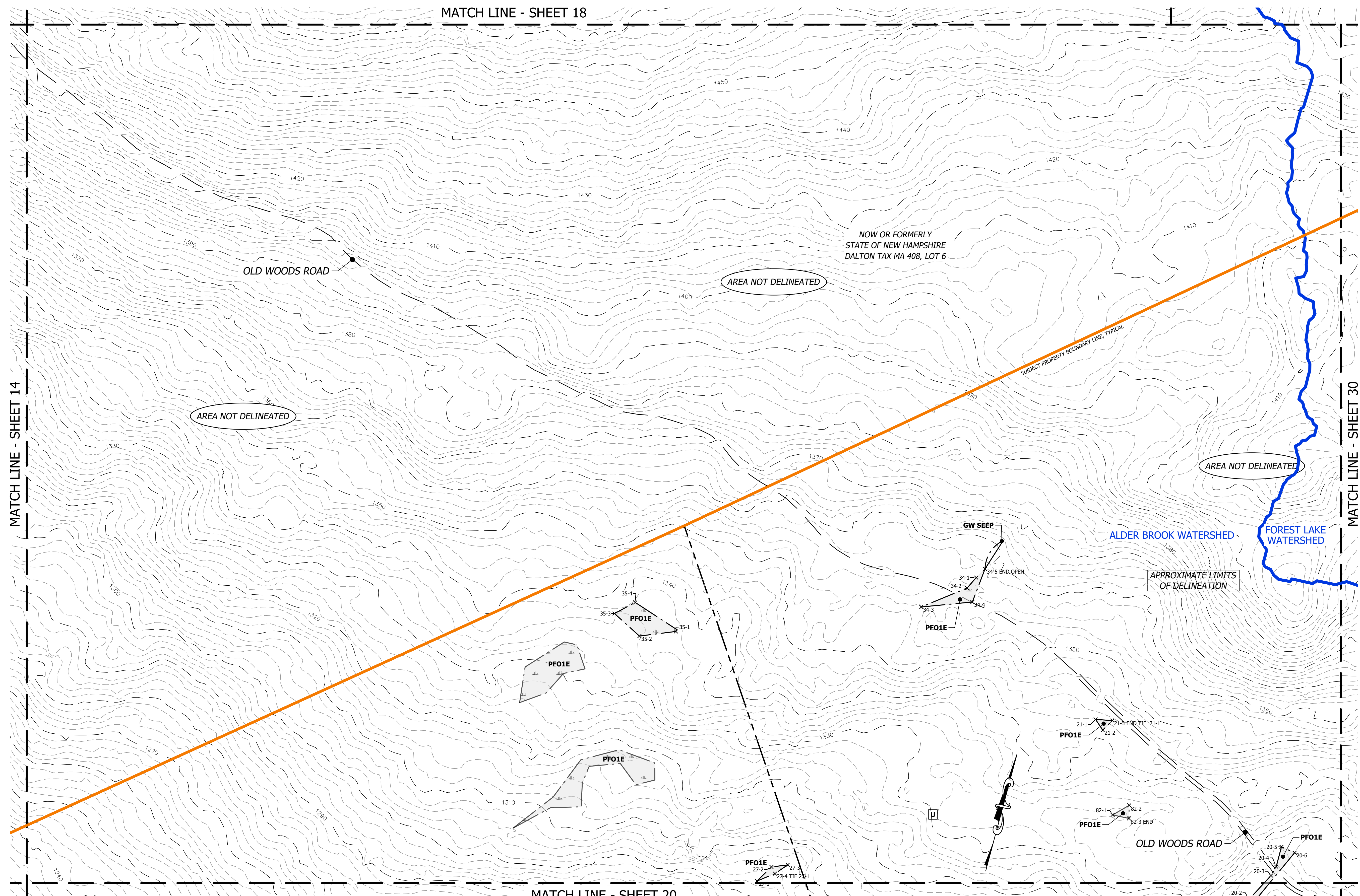
PROJECT #:	19045			
DATE:	JAN 2024			
SURVEYED BY:	HEI			
ENGINEERED BY:	BHK			
DRAWN BY:	SJB/BD/KRP			
CHECKED BY:	ESP/BHK			
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MATCH LINE - SHEET 18

MATCH LINE - SHEET 14

MATCH LINE - SHEET 30

MATCH LINE - SHEET 20

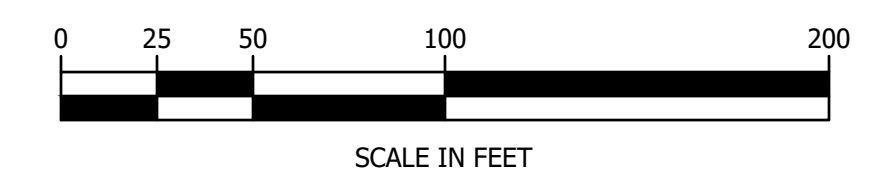
LEGEND

	EXISTING LOT LINE
	SUBJECT PROPERTY BOUNDARY LINE
	WATERSHED BOUNDARY
	VERNAL POOL

	ORDINARY HIGH WATER MARK
	PERENNIAL STREAM
	INTERMITTENT STREAM
	EPHEMERAL FLOW
	FLOW DIRECTION
	WETLAND DELINEATION LINE
	WETLAND CLASSIFICATION

	GRAVEL ROAD
	MINOR CONTOUR (2')
	MAJOR CONTOUR (10')
	APPROXIMATE LOCATIONS (NOT FLAGGED)
	WETLAND AREA
	PERENNIAL STREAM
	INTERMITTENT STREAM
	EPHEMERAL FLOW

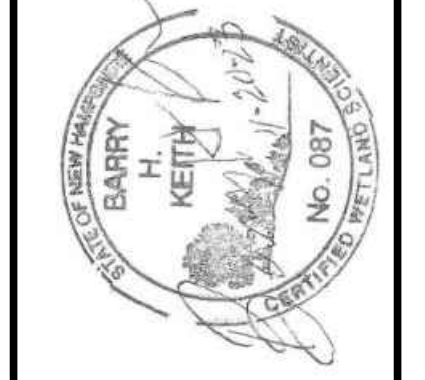
	BEAVER DAM
	UPLAND
	GROUNDWATER SEEP
	FLAG POINT AND ID # (STRING# & FLAG #)



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SHEET 19

MATCH LINE - SHEET 19

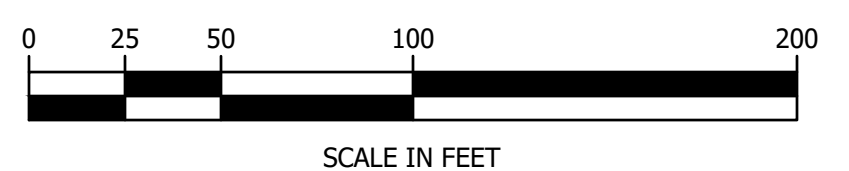
MATCH LINE - SHEET 29

MATCH LINE - SHEET 13

MATCH LINE - SHEET 21

LEGEND

- EXISTING LOT LINE
- SUBJECT PROPERTY BOUNDARY LINE
- WATERSHED BOUNDARY
- VERNAL POOL
- ORDINARY HIGH WATER MARK
- PERENNIAL STREAM
- INTERMITTENT STREAM
- EPHEMERAL FLOW
- WETLAND DELINEATION LINE
- WETLAND CLASSIFICATION
- GRAVEL ROAD
- MINOR CONTOUR (2')
- MAJOR CONTOUR (10')
- APPROXIMATE LOCATIONS (NOT FLAGGED)
- WETLAND AREA
- PERENNIAL STREAM
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SHEET 20

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 KarenPhillips

MATCH LINE - SHEET 20

MATCH LINE - SHEET 28

MATCH LINE - SHEET 22

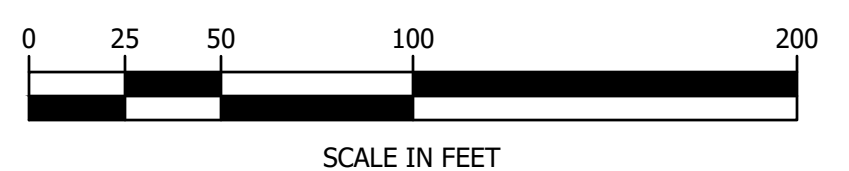
15" HDPE

MATCH LINE - SHEET 12

DIE

LEGEND

- EXISTING LOT LINE
- SUBJECT PROPERTY BOUNDARY LINE
- WATERSHED BOUNDARY
- VERNAL POOL
- ORDINARY HIGH WATER MARK
- PERENNIAL STREAM
- INTERMITTENT STREAM
- EPHEMERAL FLOW
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- WETLAND CLASSIFICATION
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SHEET 21

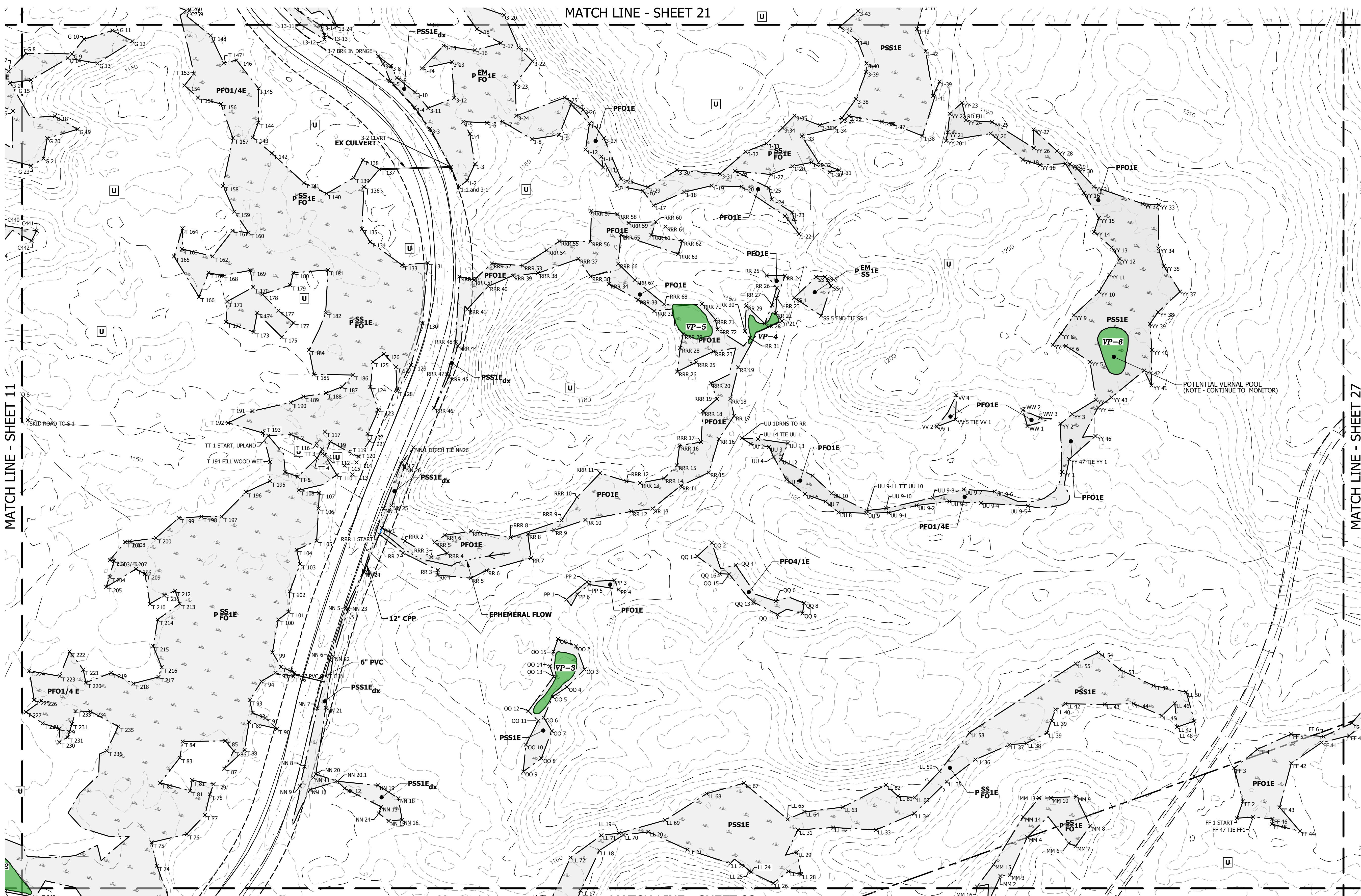
Z:\proj_2019\19045_NCES - Dalton\DWGSS\Final\19045_Wet_Layouts-21.dwg, 21, 2/1/2024 3:46:49 PM, KarenPhillips

MATCH LINE - SHEET 21

MATCH LINE - SHEET 27

MATCH LINE - SHEET 11

MATCH LINE - SHEET 23



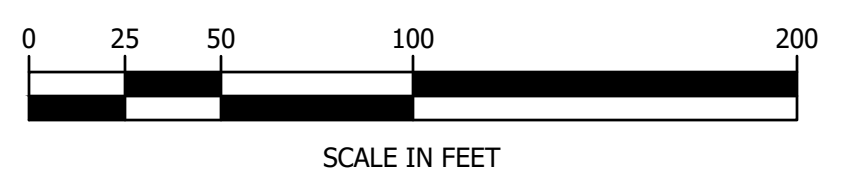
LEGEND

- EXISTING LOT LINE
- SUBJECT PROPERTY BOUNDARY LINE
- WATERSHED BOUNDARY
- VERNAL POOL

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- PERENNIAL STREAM
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