

NHDES ALTERATION OF TERRAIN PERMIT APPLICATION

February 17, 2023

FIGURES

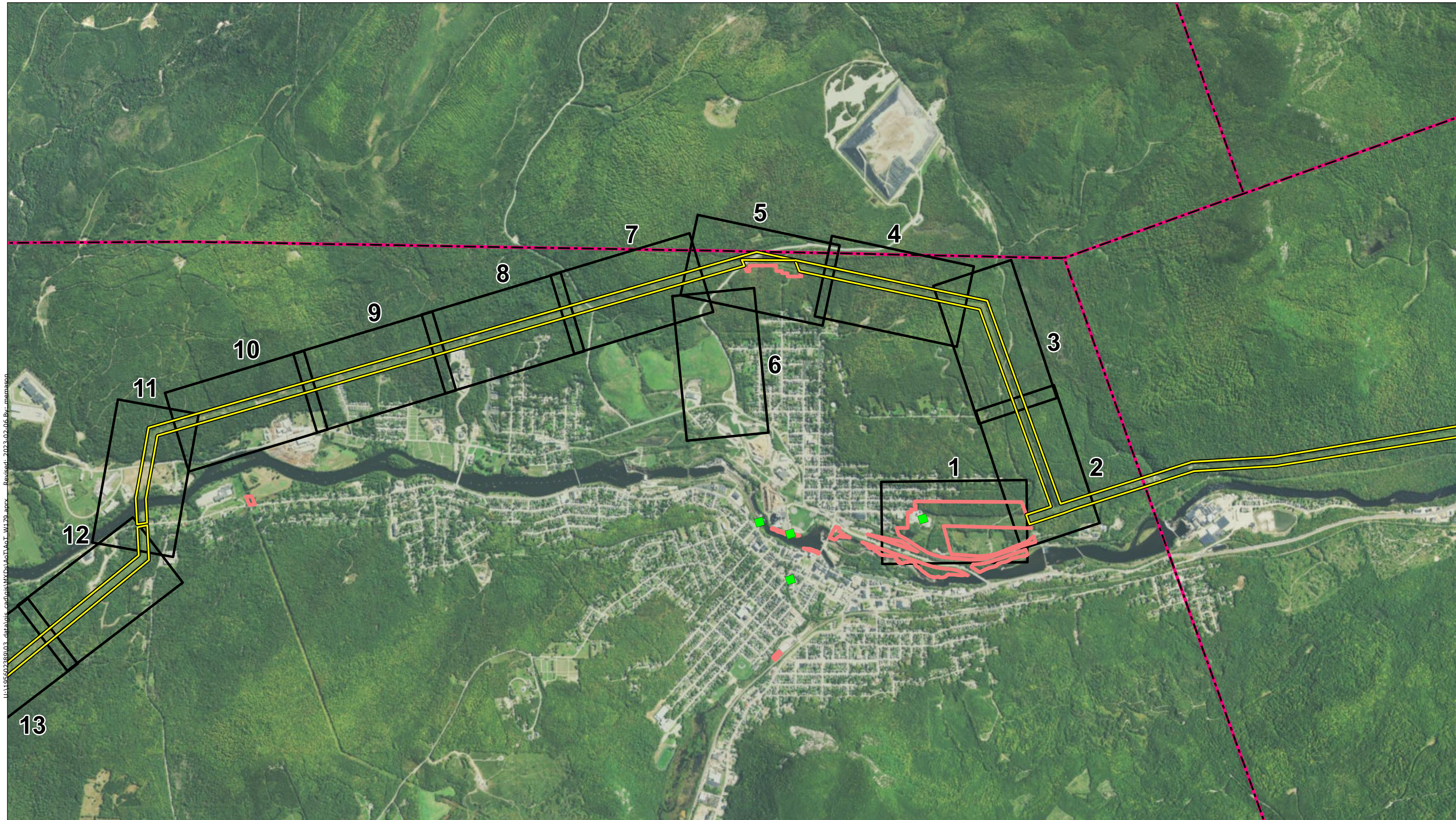
Figure 1: USGS Locus Plan

Figure 2: Aerial Site Plan

Figure 3: Surface Water and Groundwater Overlay Plans

Figure 4: Alteration of Terrain Permitting Plans

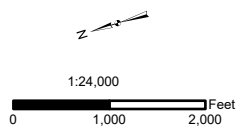




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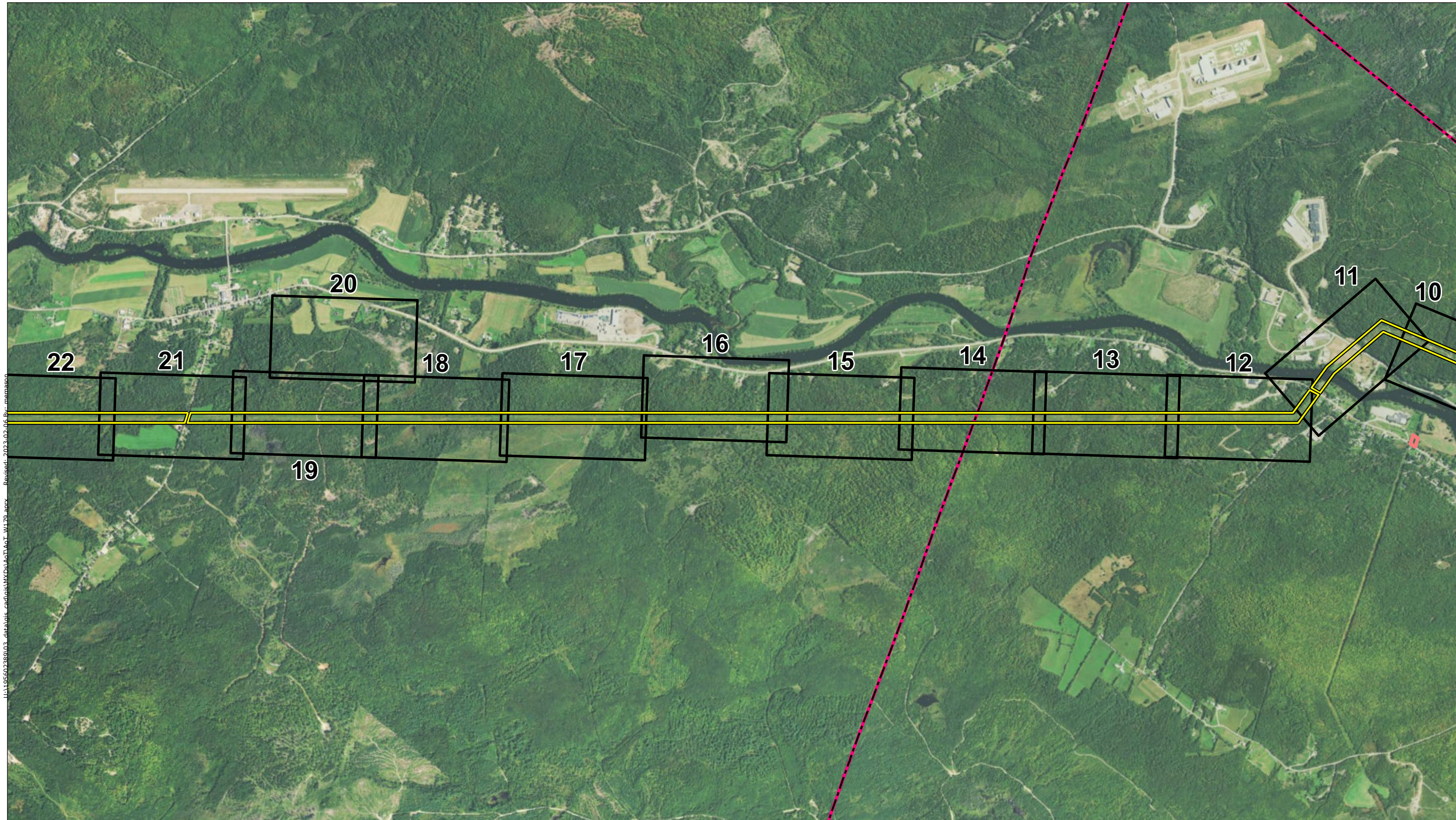


- Legend**
- Substation
 - Existing Right-of-Way (ROW)
 - Eversource Owned Property
 - Map Sheet
 - Municipal Boundary

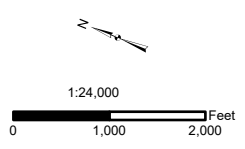


Map Notes:
 Coordinate System: NAD 1983 StatePlane Connecticut FIPS 0600 Feet
 Data source: Right-of-way and Eversource Owned Properties provided by Eversource Energy. Other sources: CT DEEP.
 Basemap: National Agriculture Imagery Program (NAIP) aerial imagery.
 This mapping product has been created to comply with submittal requirements to obtain certain regulatory approvals and, as such, there is no reliance on the information contained herein for any other purpose.

W179 Line Structure Replacement Project Aerial Site Plan		
Berlin, Success, Milan, Dummer, NH		MAP SHEET
Date: February 06, 2023		1 of 3
NO.	DATE	REVISIONS



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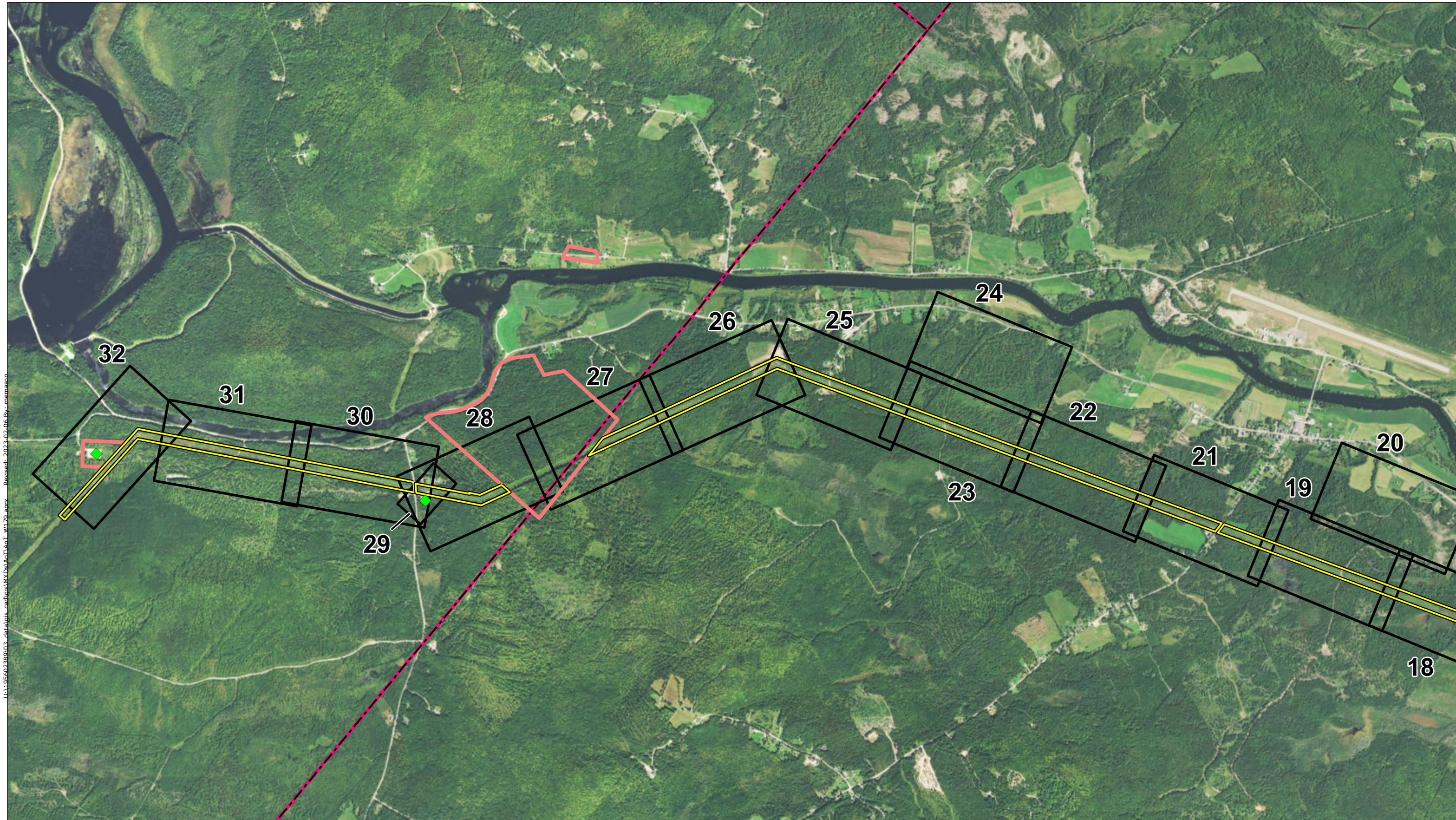


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			Stantec	
			W179 Line Structure Replacement Project Aerial Site Plan	
			Berlin, Success, Milan, Dummer, NH	MAP SHEET
			Date: February 06, 2023	2 of 3
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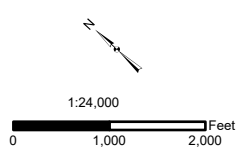
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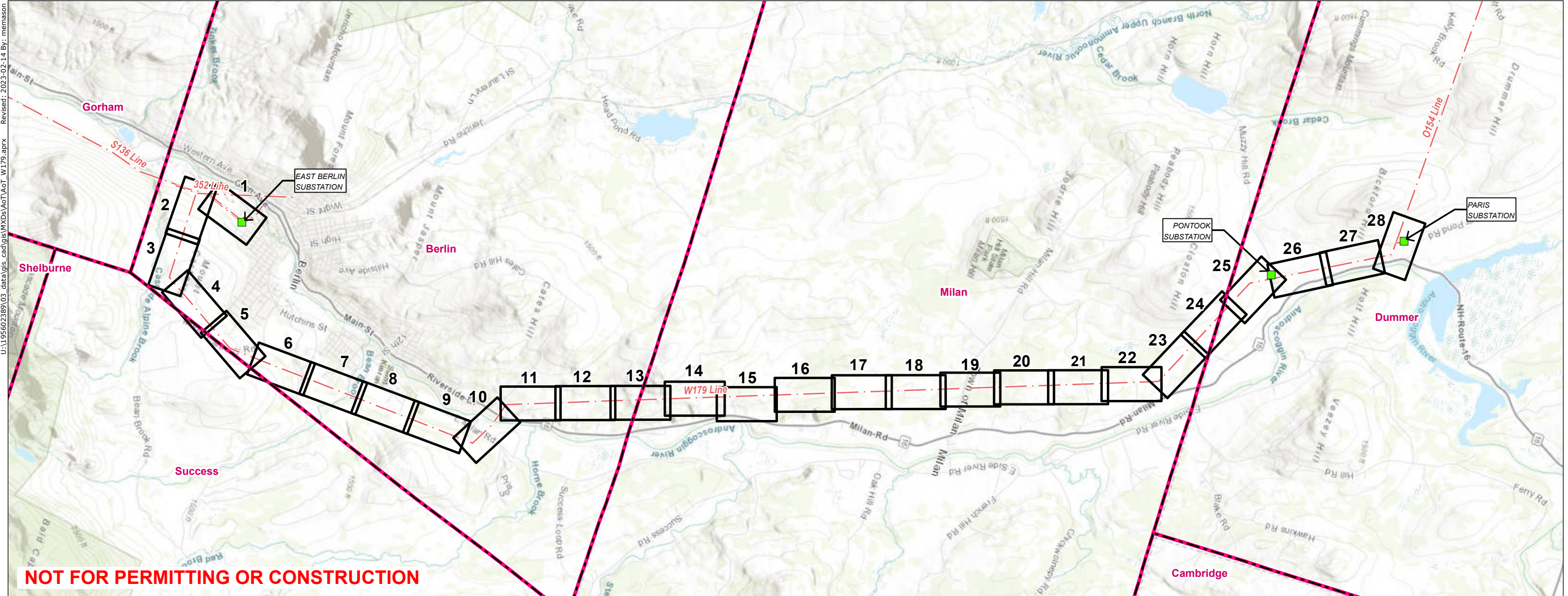


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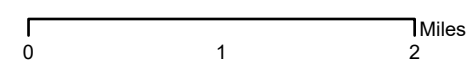
W179 Line - Structure Replacement Project

Berlin, Success, Milan, Dummer, NH
 Alteration of Terrain Permitting Plans
 Date: February 14, 2023



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- Legend**
- Substation
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 - Overhead Transmission Line
 - Municipal Boundary



INDEX OF FIGURES

Title Sheet / Index Map
 Map Sheets 1-32
 Notes and Details 1-3

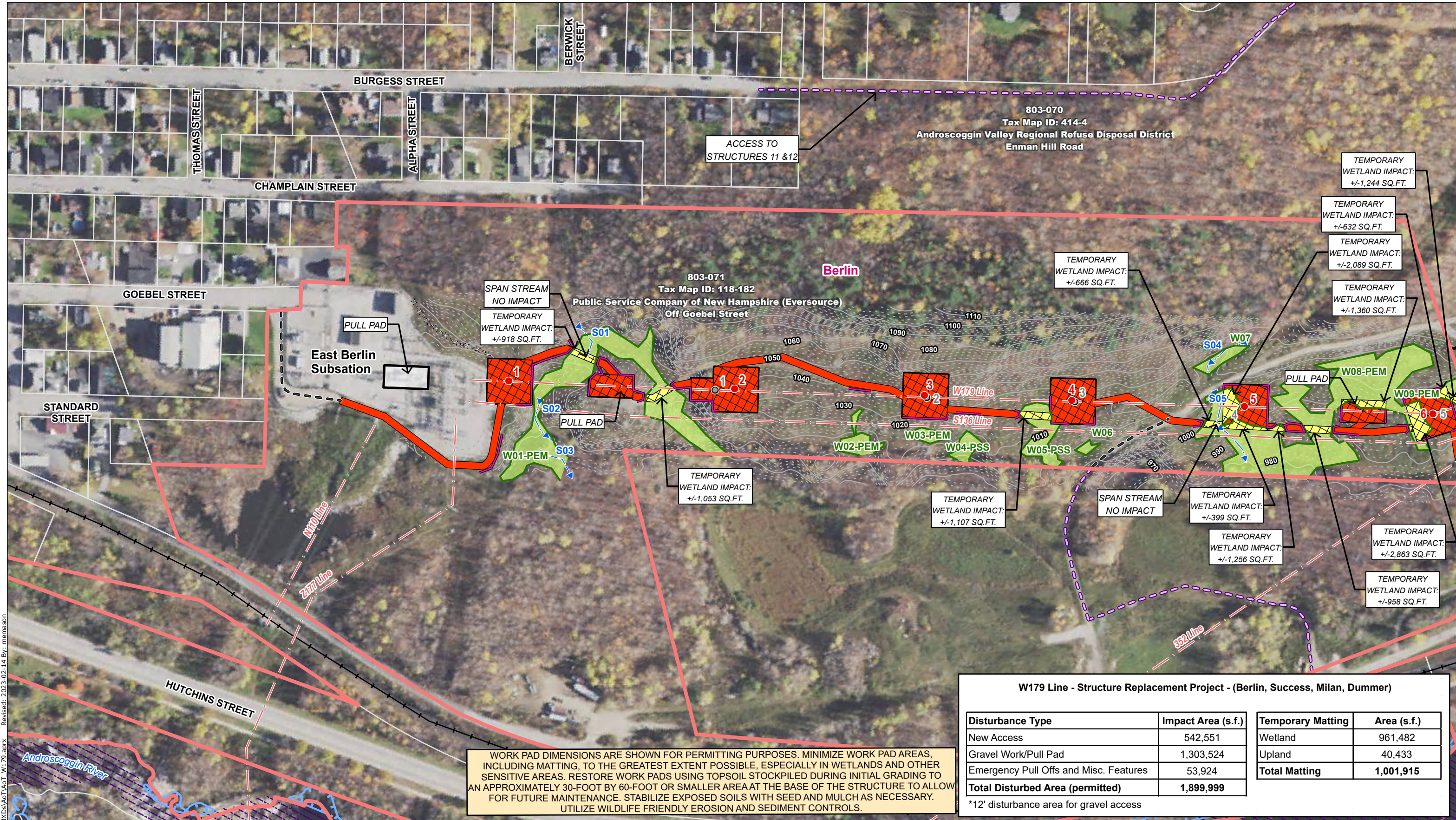
NO.	DATE	REVISIONS

PREPARED FOR:
EVERSOURCE
 ENERGY

107 Selden Street
 Berlin, CT 06037

PREPARED BY:
Stantec

30 Park Drive
 Topsham, ME 04086



ACCESS TO
STRUCTURES 11 & 12

803-070
Tax Map ID: 414-4
Androscoggin Valley Regional Refuse Disposal District
Enman Hill Road

803-071
Tax Map ID: 118-182
Public Service Company of New Hampshire (Eversource)
Off Goebel Street

East Berlin
Substation

SPAN STREAM
NO IMPACT
TEMPORARY
WETLAND IMPACT:
+/-918 SQ.FT.

TEMPORARY
WETLAND IMPACT:
+/-1,053 SQ.FT.

TEMPORARY
WETLAND IMPACT:
+/-1,107 SQ.FT.

TEMPORARY
WETLAND IMPACT:
+/-666 SQ.FT.

TEMPORARY
WETLAND IMPACT:
+/-399 SQ.FT.

TEMPORARY
WETLAND IMPACT:
+/-1,256 SQ.FT.

TEMPORARY
WETLAND IMPACT:
+/-1,244 SQ.FT.

TEMPORARY
WETLAND IMPACT:
+/-632 SQ.FT.

TEMPORARY
WETLAND IMPACT:
+/-2,089 SQ.FT.

TEMPORARY
WETLAND IMPACT:
+/-1,360 SQ.FT.

TEMPORARY
WETLAND IMPACT:
+/-2,863 SQ.FT.

TEMPORARY
WETLAND IMPACT:
+/-958 SQ.FT.

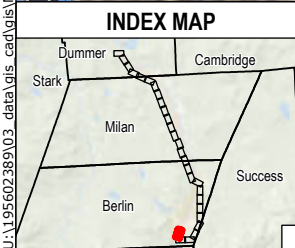
W179 Line - Structure Replacement Project - (Berlin, Success, Milan, Dummer)

Disturbance Type	Impact Area (s.f.)	Temporary Matting	Area (s.f.)
New Access	542,551	Wetland	961,482
Gravel Work/Pull Pad	1,303,524	Upland	40,433
Emergency Pull Offs and Misc. Features	53,924	Total Matting	1,001,915
Total Disturbed Area (permitted)	1,899,999		

*12' disturbance area for gravel access

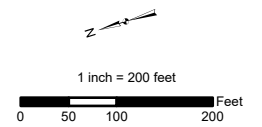
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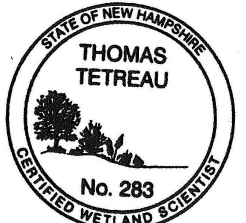
Legend

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- AoT Disturbance Area - Pad
- Temporary Construction Matting
- Stone Work Pad
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- State Owned Property
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- FEMA Floodway
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- Culvert
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- Well



Map Notes:
Coordinate System: NAD 1983 StatePlane New Hampshire FIPS 2800 Feet
Data source: Eversource easement lines, structures, transmission lines by Eversource Energy. Wetlands, watercourses and vernal pools delineated by Stantec in May 2022. Additional sources include: FEMA, NH Grant, Basemap: NAIP 2021

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EVERSOURCE ENERGY

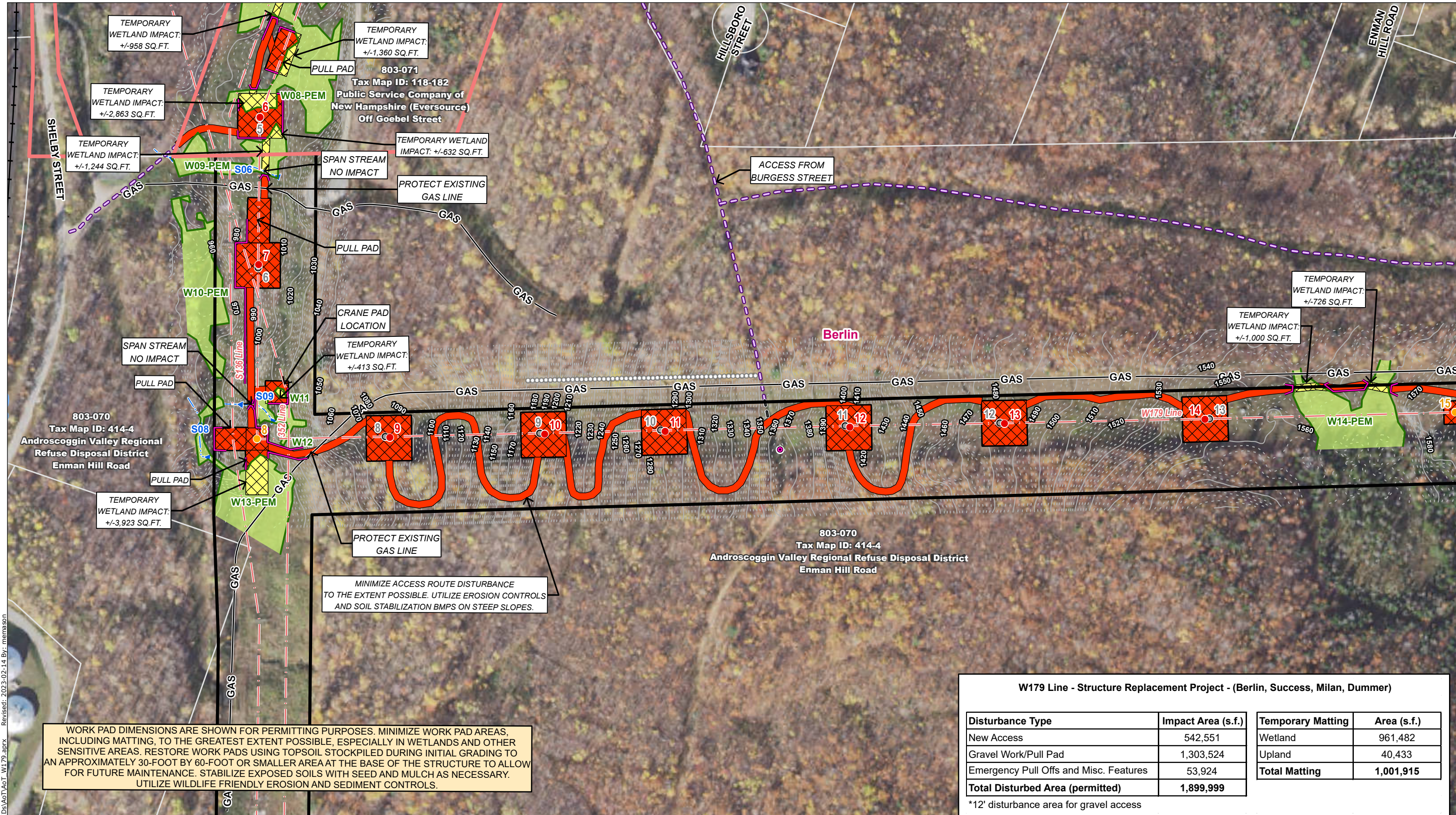
W179 Line - Structure Replacement Alteration of Terrain Permitting Set

Permitting Map Set

Berlin, NH MAP SHEET 1 of 28

Date: February 14, 2023

Stantec



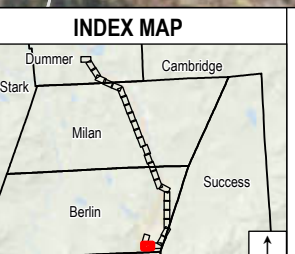
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W179 Line - Structure Replacement Project - (Berlin, Success, Milan, Dummer)

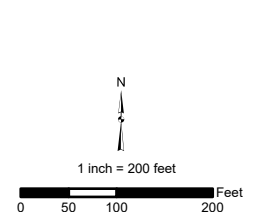
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*12' disturbance area for gravel access

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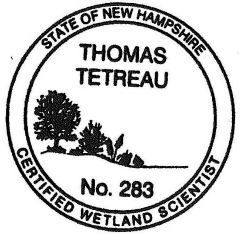


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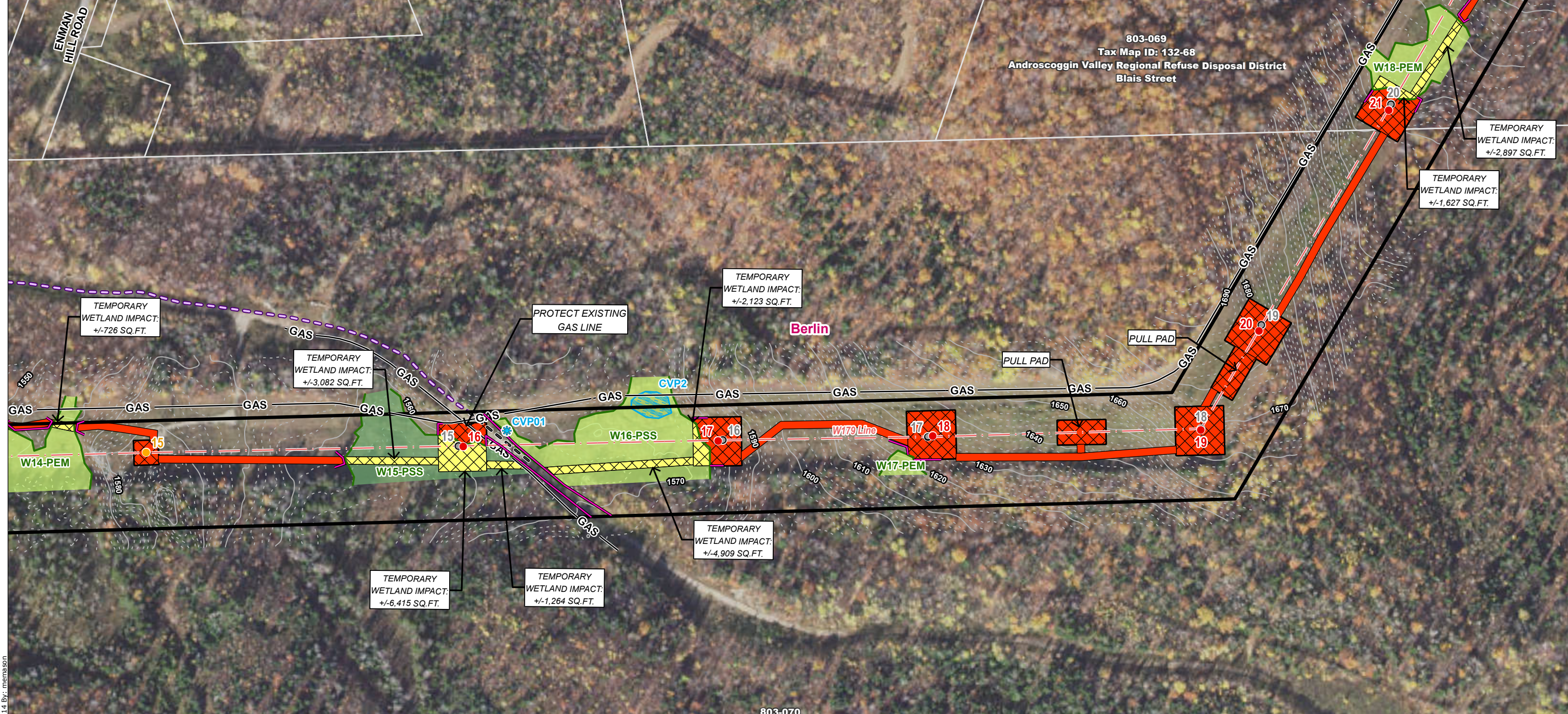
EVSOURCE ENERGY

W179 Line - Structure Replacement Alteration of Terrain Permitting Set

Berlin, NH MAP SHEET 2 of 28

Date: February 14, 2023

Stantec



803-069
Tax Map ID: 132-68
Androscoggin Valley Regional Refuse Disposal District
Blais Street

803-070
Tax Map ID: 414-4
Androscoggin Valley Regional Refuse Disposal District
Enman Hill Road

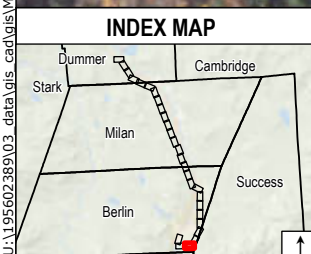
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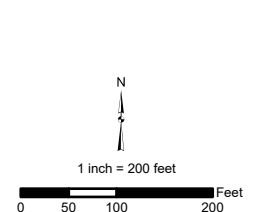
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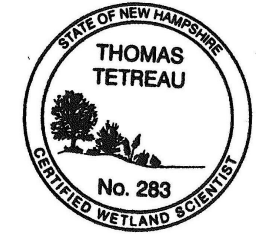


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Map Notes:
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Data source: Eversource easement lines, structures, transmission lines by Eversource Energy. Wetlands, watercourses and vernal pools delineated by Stantec in May 2022. Additional sources include: FEMA, NH Grant, Basemap: NAIP 2021

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EVSOURCE ENERGY

**W179 Line - Structure Replacement
Alteration of Terrain Permitting Set
Permitting Map Set**

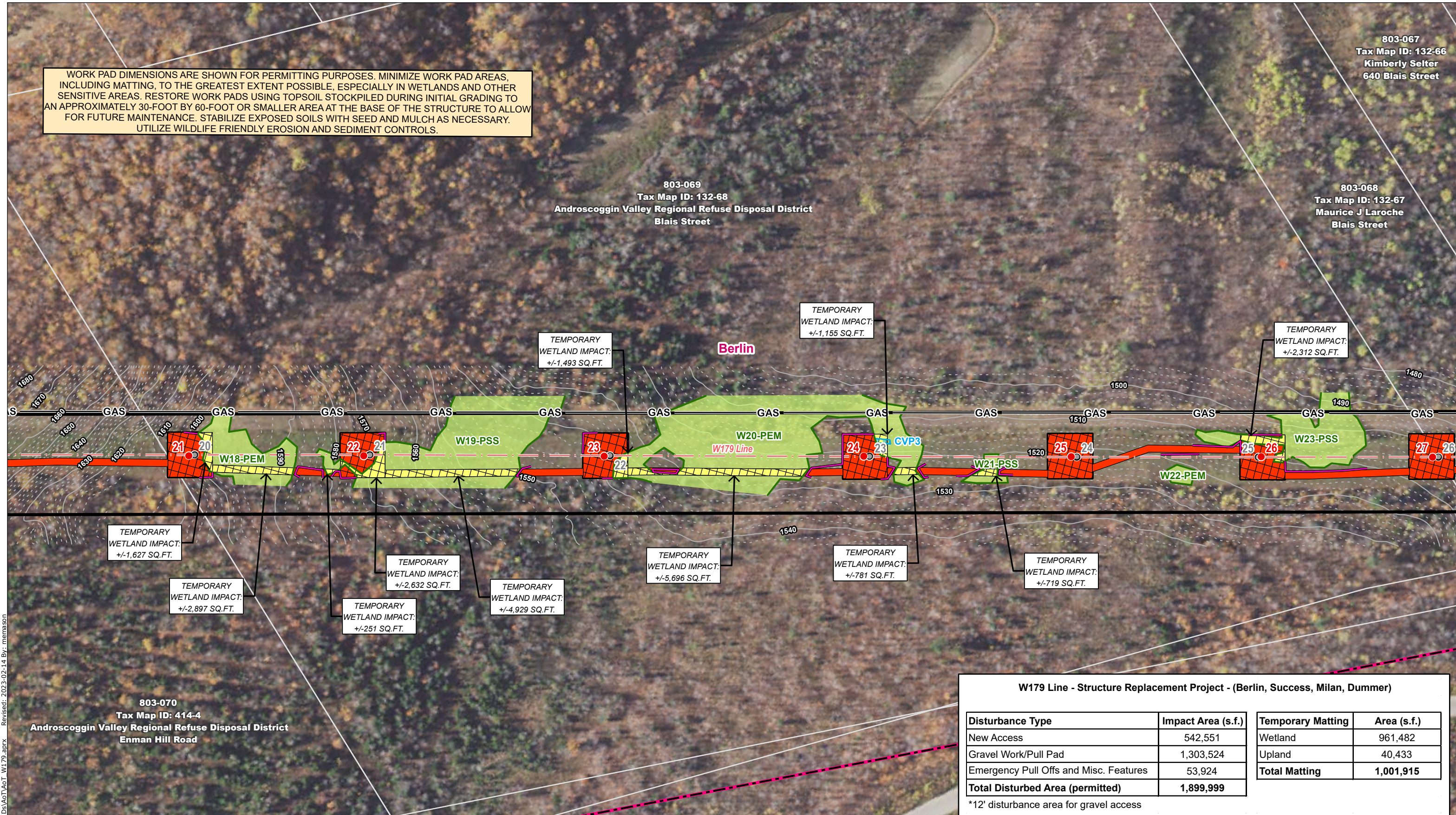
Berlin, NH	MAP SHEET 3 of 28
Date: February 14, 2023	

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803-067
Tax Map ID: 132-66
Kimberly Selter
640 Blais Street

803-069
Tax Map ID: 132-68
Androscoggin Valley Regional Refuse Disposal District
Blais Street

803-068
Tax Map ID: 132-67
Maurice J Laroche
Blais Street



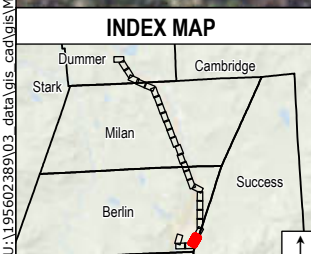
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803-070
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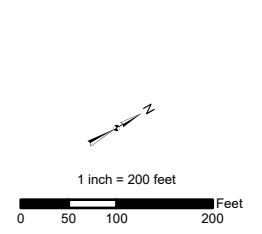
W179 Line - Structure Replacement Project - (Berlin, Success, Milan, Dummer)

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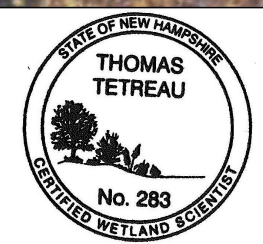


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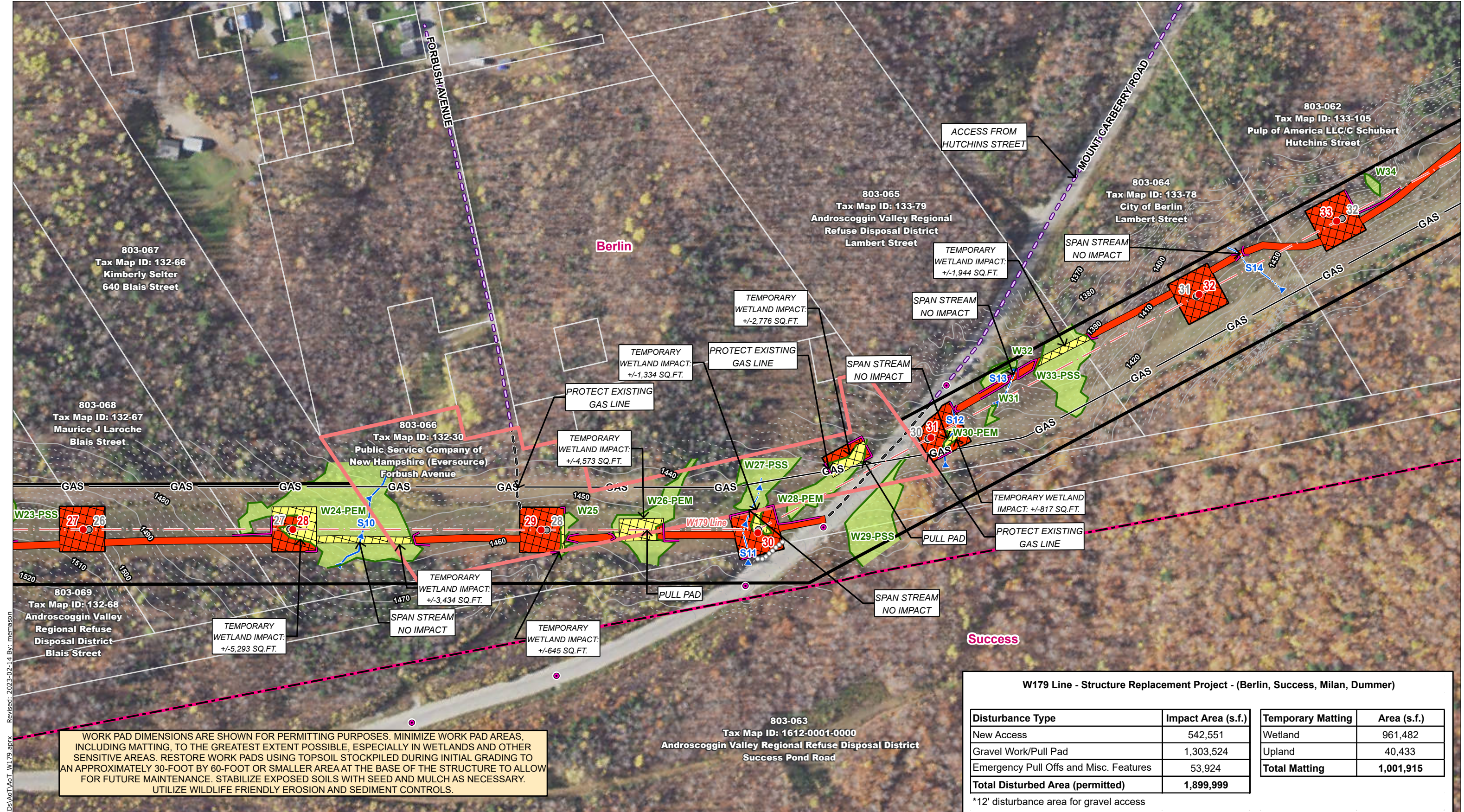
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EVERSOURCE ENERGY

**W179 Line - Structure Replacement
Alteration of Terrain Permitting Set
Permitting Map Set**

Berlin, NH	MAP SHEET 4 of 28
Date: February 14, 2023	



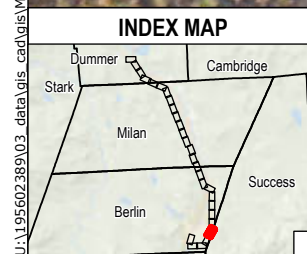
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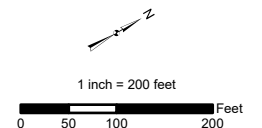
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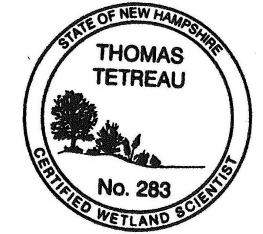
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- Open Water
- FEMA 100-Year Flood Zone
- FEMA Floodway
- NHDES Protected Shoreland
- Railroad
- Fence
- Stone Wall
- Approximate Gas Line
- Culvert
- Gate
- Well



Map Notes:
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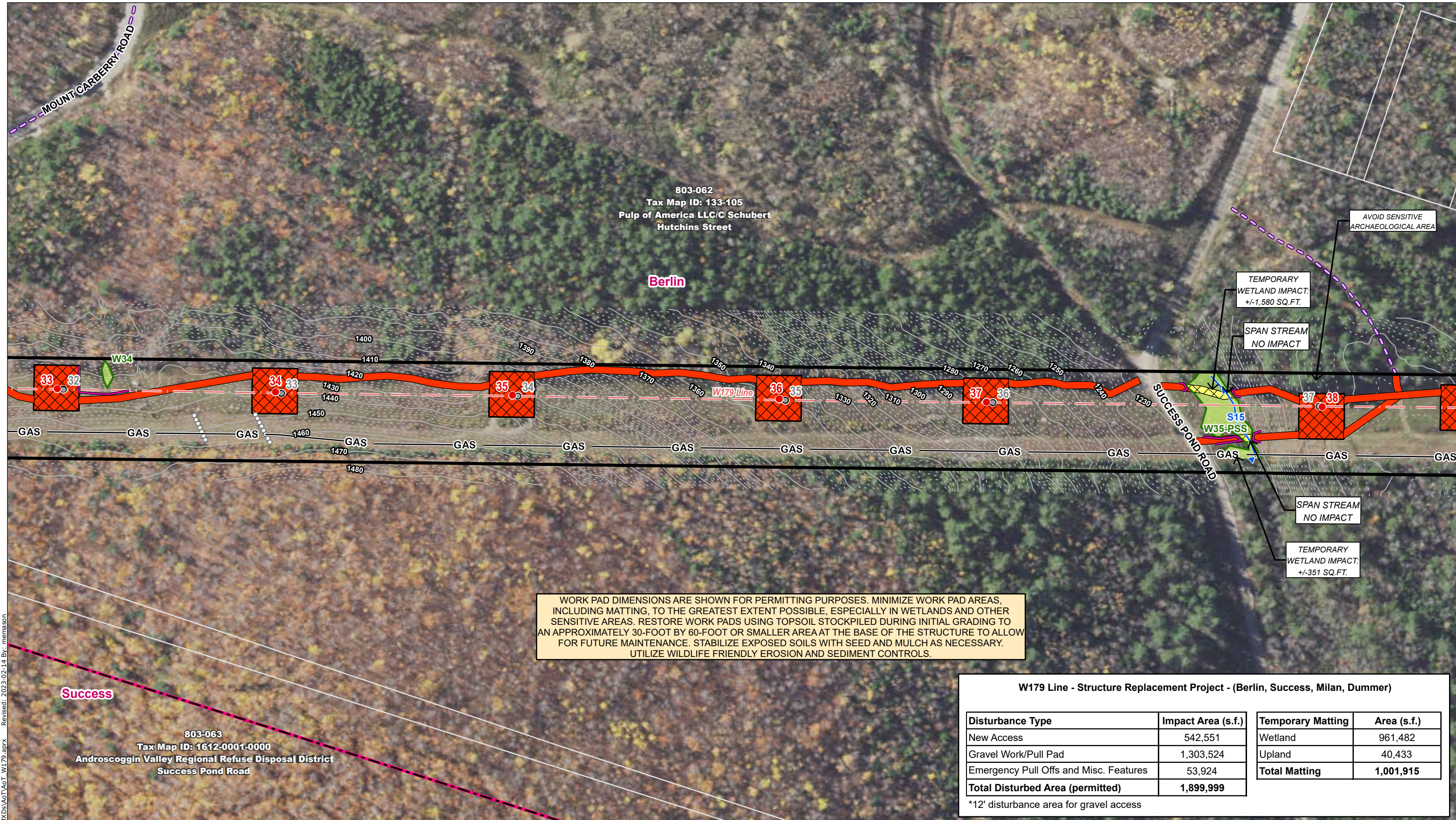
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EVERSOURCE ENERGY

W179 Line - Structure Replacement Alteration of Terrain Permitting Set Permitting Map Set

Berlin, NH	MAP SHEET 5 of 28
Date: February 14, 2023	



803-062
Tax Map ID: 133-105
Pulp of America LLC/C Schubert
Hutchins Street

Berlin

Success

803-063
Tax Map ID: 1612-0001-0000
Androscoggin Valley Regional Refuse Disposal District
Success Pond Road

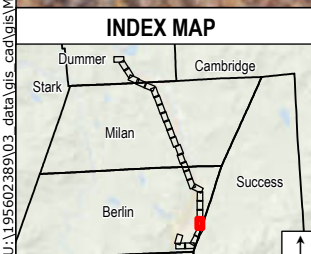
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W179 Line - Structure Replacement Project - (Berlin, Success, Milan, Dummer)

Disturbance Type	Impact Area (s.f.)	Temporary Matting	Area (s.f.)
New Access	542,551	Wetland	961,482
Gravel Work/Pull Pad	1,303,524	Upland	40,433
Emergency Pull Offs and Misc. Features	53,924	Total Matting	1,001,915
Total Disturbed Area (permitted)	1,899,999		

*12' disturbance area for gravel access

U:\195602399\03_data\gis_cad\gis\WXDs\AoT\AoT_W179.aprx Revised: 2023-02-14 By: memason



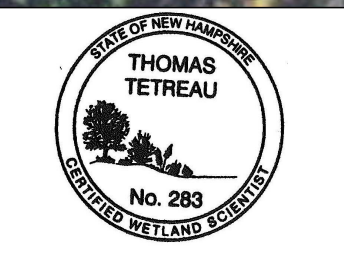
Legend

● Proposed Structure	■ AoT Disturbance Area - Access	☼ Confirmed Vernal Pool	⚡ FEMA 100-Year Flood Zone	⦿ Culvert
● Existing Structure	■ AoT Disturbance Area - Pad	☼ Confirmed Vernal Pool Extent	⚡ FEMA Floodway	⦿ Gate
● Existing Structure to be Removed	■ Temporary Construction Matting	☼ Delineated Ephemeral Watercourse	⚡ NHDES Protected Shoreland	⦿ Well
● Existing Structure to Remain	■ Eversource Owned Property	☼ Delineated Intermittent Watercourse	⚡ Railroad	
● Overhead Transmission Line	■ State Owned Property	☼ Delineated Perennial Watercourse	⚡ Fence	
● Approximate Distribution Line	■ Abutter Number	☼ Field Delineated Wetland Boundary Outline	⚡ Stone Wall	
● Existing Right-Of-Way (ROW)	■ Parcel Boundary	☼ Field Delineated Wetland	⚡ -GAS- Approximate Gas Line	
● Existing Access	■ Municipal Boundary	☼ Priority Resource Area		
● Off-ROW Access Pending Rights	■ Suggested Erosion and Sediment Control (TYP)	☼ Open Water		

Map Notes:
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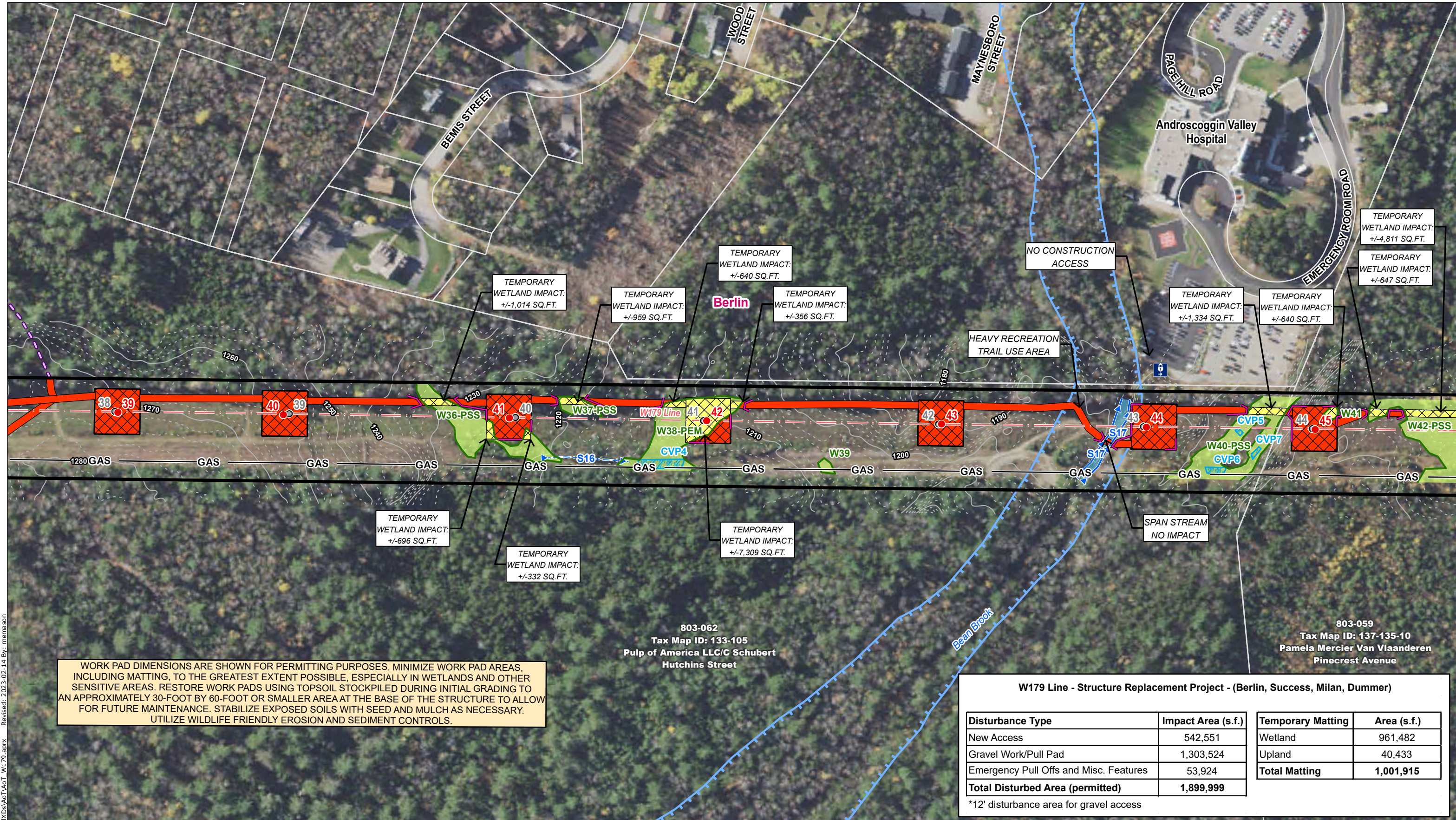
1 inch = 200 feet
0 50 100 200 Feet



EVERSOURCE ENERGY

**W179 Line - Structure Replacement
Alteration of Terrain Permitting Set
Permitting Map Set**

Berlin, NH	MAP SHEET 6 of 28
Date: February 14, 2023	



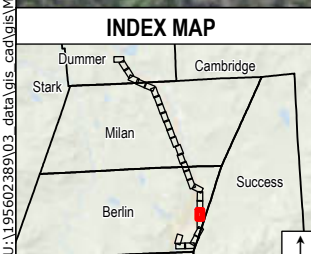
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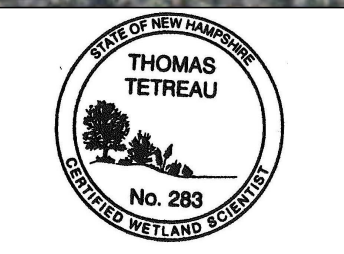
Legend

- Proposed Structure
- Existing Structure
- Existing Structure to be Removed
- Existing Structure to Remain
- Overhead Transmission Line
- Approximate Distribution Line
- Existing Right-Of-Way (ROW)
- Existing Access
- Off-ROW Access Pending Rights
- Suggested Erosion and Sediment Control (TYP)
- AoT Disturbance Area - Access
- AoT Disturbance Area - Pad
- Temporary Construction Matting
- Stone Work Pad
- Eversource Owned Property
- State Owned Property
- Abutter Number
- Parcel Boundary
- Municipal Boundary
- 10ft Contour
- Confirmed Vernal Pool
- Confirmed Vernal Pool Extent
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- Delineated Intermittent Watercourse
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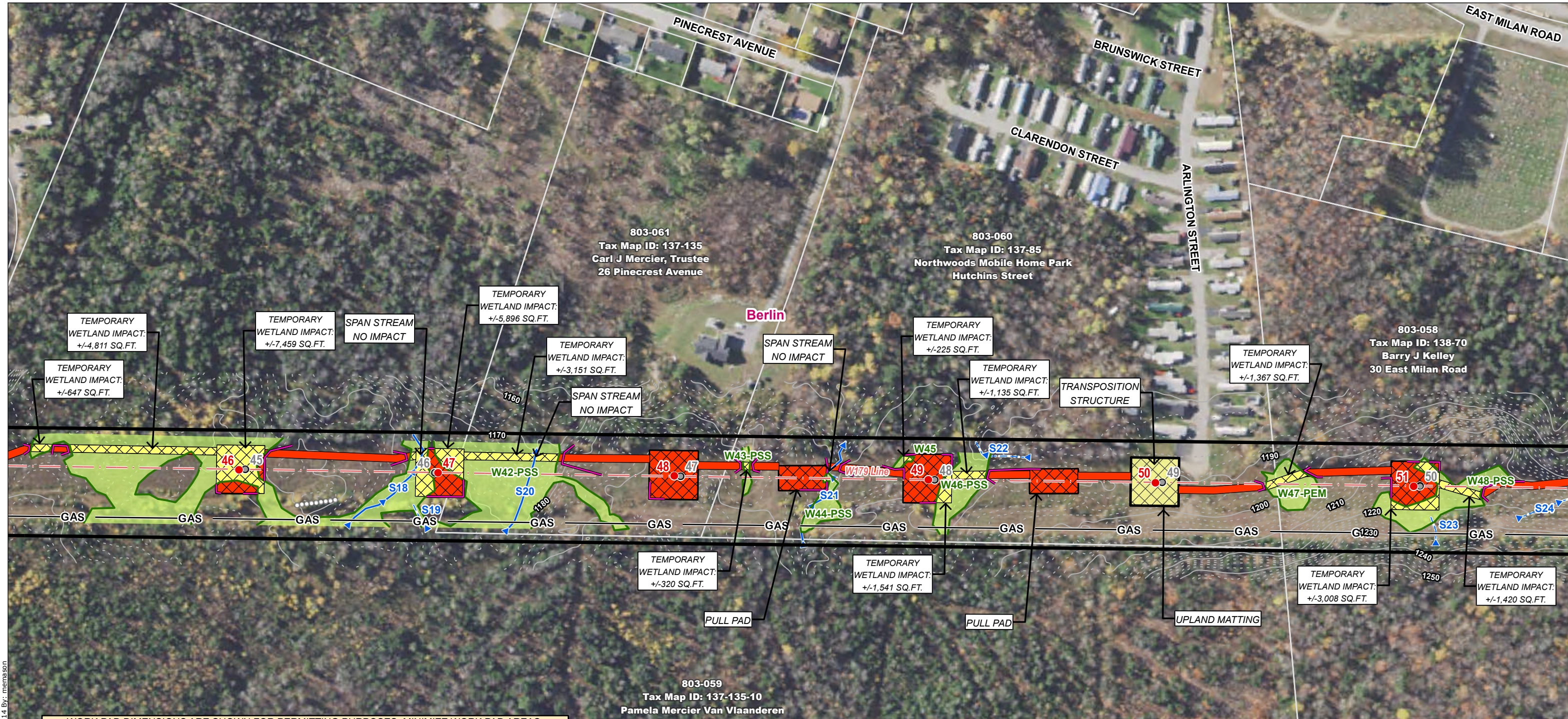
1 inch = 200 feet



EVERSOURCE ENERGY

W179 Line - Structure Replacement Alteration of Terrain Permitting Set Permitting Map Set

Berlin, NH	MAP SHEET 7 of 28
Date: February 14, 2023	



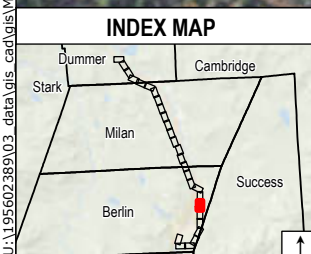
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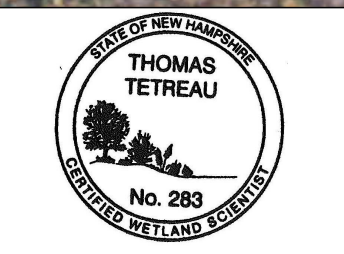
Legend

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- Existing Structure
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- AoT Disturbance Area - Pad
- Temporary Construction Matting
- Stone Work Pad
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- State Owned Property
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1 inch = 200 feet



EVERSOURCE ENERGY

W179 Line - Structure Replacement Alteration of Terrain Permitting Set

Berlin, NH MAP SHEET 8 of 28

Date: February 14, 2023

803-056
Tax Map ID: 139-25
Berlin Water Works
85 East Milan Road

803-057
Tax Map ID: 139-27
Barry J Kelley
East Milan Road

803-058
Tax Map ID: 138-70
Barry J Kelley
30 East Milan Road

EAST MILAN ROAD

Cemetery

Berlin

PREFERRED ACCESS

OPTIONAL ACCESS

SPAN STREAM
NO IMPACT

SPAN STREAM
NO IMPACT

TEMPORARY
WETLAND IMPACT:
+/-1,420 SQ.FT.

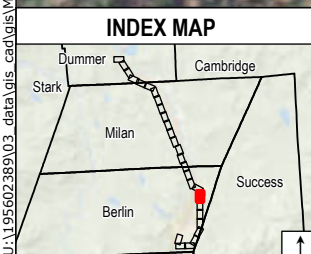
W179 Line - Structure Replacement Project - (Berlin, Success, Milan, Dummer)

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*12' disturbance area for gravel access

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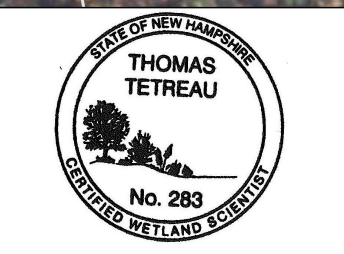
Legend

● Proposed Structure	■ AoT Disturbance Area - Access	☁ Confirmed Vernal Pool	🚧 FEMA 100-Year Flood Zone	⚙️ Culvert
● Existing Structure	■ AoT Disturbance Area - Pad	☁ Confirmed Vernal Pool Extent	🚧 FEMA Floodway	⚙️ Gate
● Existing Structure to be Removed	■ Temporary Construction Matting	🌊 Delineated Ephemeral Watercourse	🚧 NHDES Protected Shoreland	⚙️ Well
● Existing Structure to Remain	■ Stone Work Pad	🌊 Delineated Intermittent Watercourse	🚧 Railroad	
— Overhead Transmission Line	■ Eversource Owned Property	🌊 Delineated Perennial Watercourse	🚧 Fence	
— Approximate Distribution Line	■ State Owned Property	🌊 Field Delineated Wetland Boundary	🚧 Stone Wall	
— Existing Right-Of-Way (ROW)	■ Abutter Number	🌊 Field Delineated Wetland Outline	🚧 -GAS- Approximate Gas Line	
— Existing Access	■ Parcel Boundary	🌊 Field Delineated Wetland		
— Off-ROW Access Pending Rights	■ Municipal Boundary	🌊 Priority Resource Area		
— Suggested Erosion and Sediment Control (TYP)	■ 2ft Contour	🌊 Open Water		
	■ 10ft Contour			

Map Notes:
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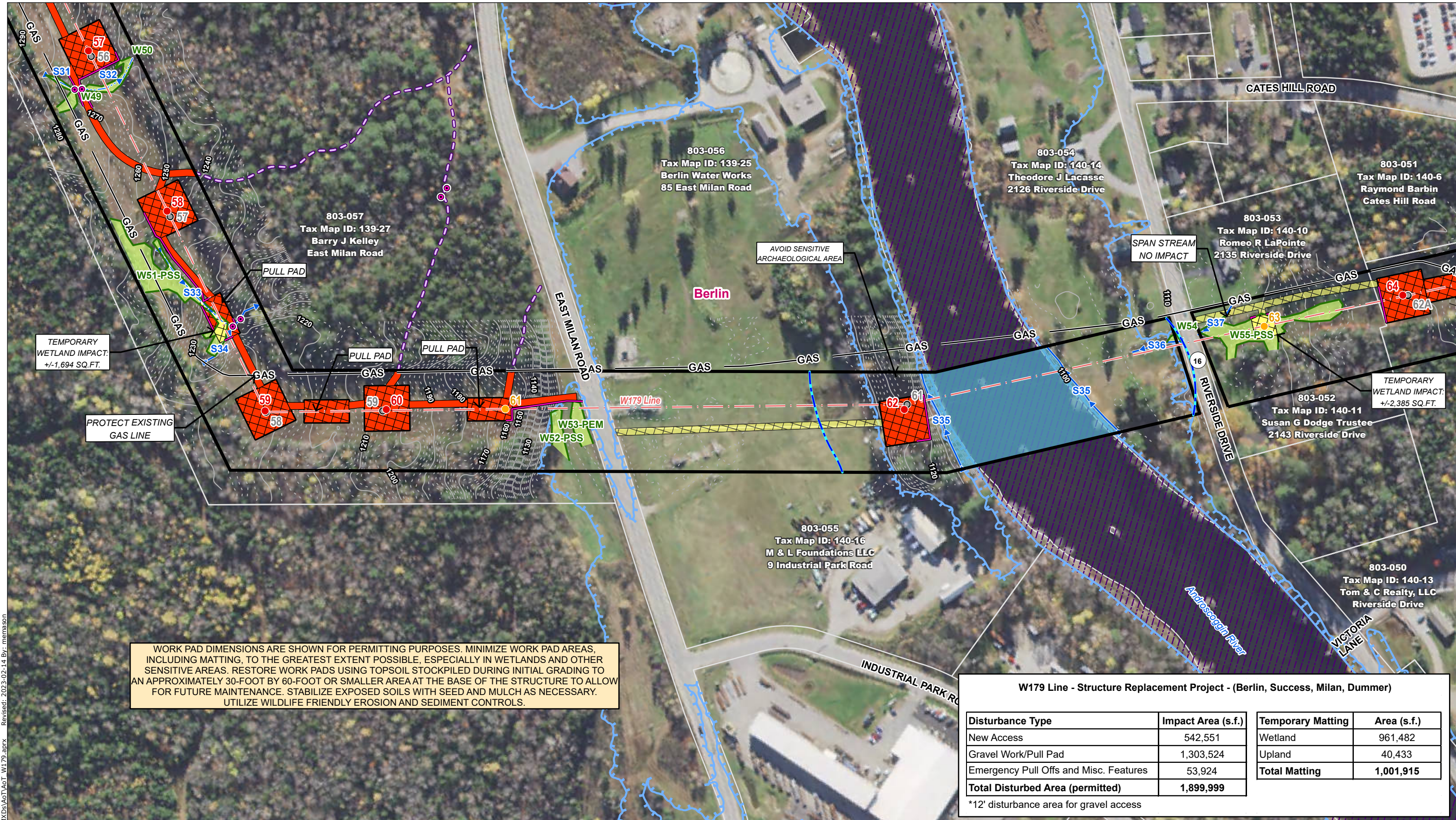
1 inch = 200 feet
0 50 100 200 Feet



EVERSOURCE ENERGY

W179 Line - Structure Replacement Alteration of Terrain Permitting Set Permitting Map Set

Berlin, NH	MAP SHEET 9 of 28
Date: February 14, 2023	



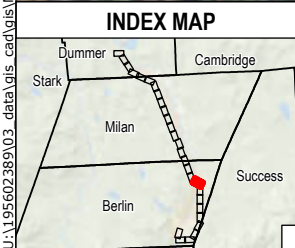
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W179 Line - Structure Replacement Project - (Berlin, Success, Milan, Dummer)

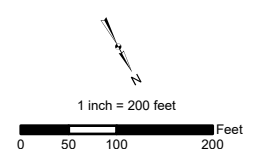
Disturbance Type	Impact Area (s.f.)	Temporary Matting	Area (s.f.)
New Access	542,551	Wetland	961,482
Gravel Work/Pull Pad	1,303,524	Upland	40,433
Emergency Pull Offs and Misc. Features	53,924	Total Matting	1,001,915
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*12' disturbance area for gravel access

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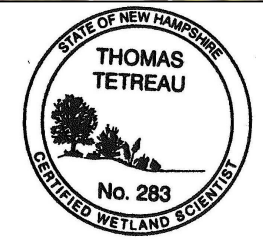


- Legend**
- Proposed Structure
 - Existing Structure
 - Existing Structure to be Removed
 - Existing Structure to Remain
 - Overhead Transmission Line
 - Approximate Distribution Line
 - Existing Right-Of-Way (ROW)
 - Existing Access
 - Off-ROW Access Pending Rights
 - Suggested Erosion and Sediment Control (TYP)
 - AoT Disturbance Area - Access
 - AoT Disturbance Area - Pad
 - Temporary Construction Matting
 - Stone Work Pad
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 - State Owned Property
 - Abutter Number
 - Parcel Boundary
 - Municipal Boundary
 - 2ft Contour
 - 10ft Contour
 - Confirmed Vernal Pool
 - Confirmed Vernal Pool Extent
 - Delineated Ephemeral Watercourse
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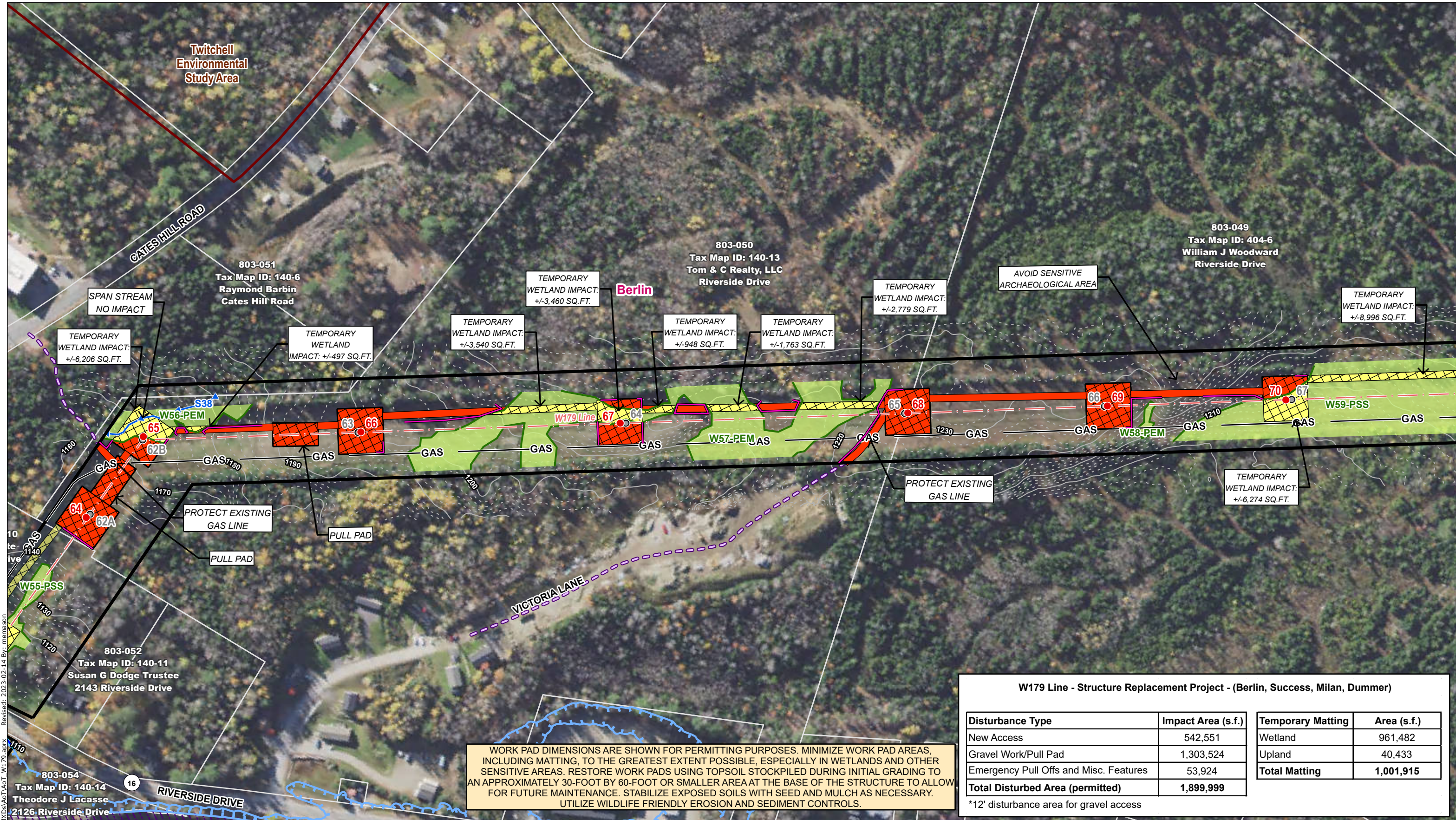
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EVERSOURCE ENERGY

**W179 Line - Structure Replacement
 Alteration of Terrain Permitting Set
 Permitting Map Set**

Berlin, NH	MAP SHEET 10 of 28
Date: February 14, 2023	

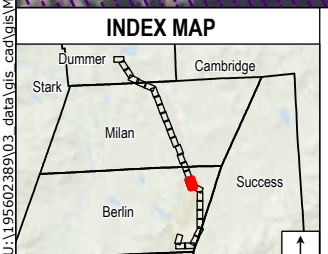


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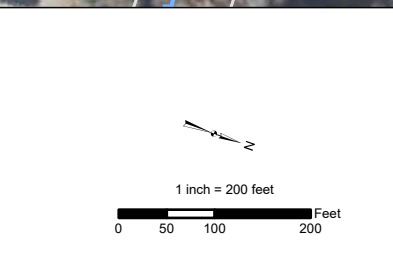
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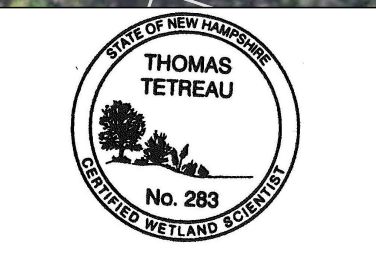


- Legend**
- Proposed Structure
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 - Existing Structure to Remain
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 - Approximate Distribution Line
 - Existing Right-Of-Way (ROW)
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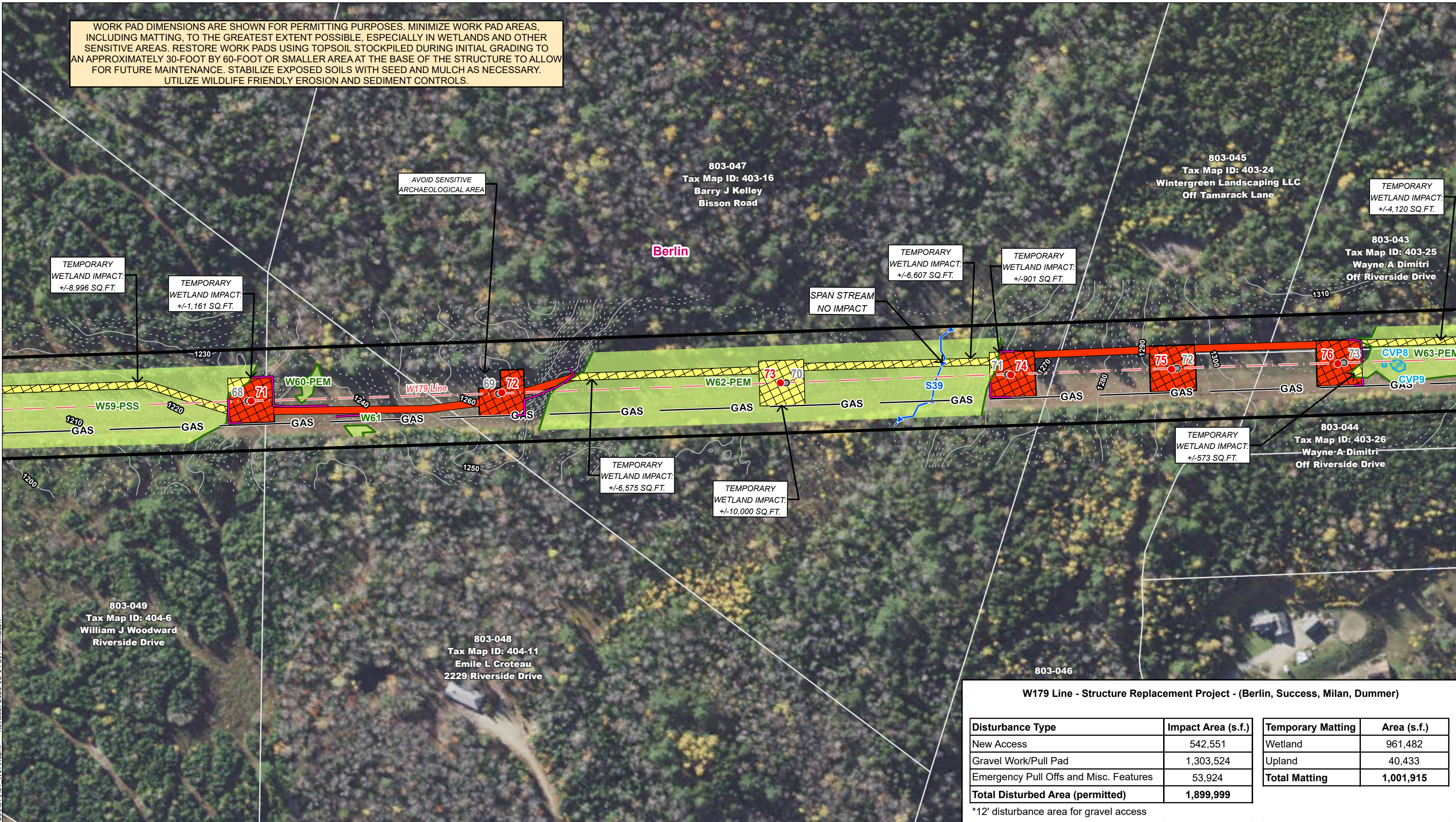
EVERSOURCE ENERGY

**W179 Line - Structure Replacement
 Alteration of Terrain Permitting Set
 Permitting Map Set**

Berlin, NH	MAP SHEET 11 of 28
Date: February 14, 2023	

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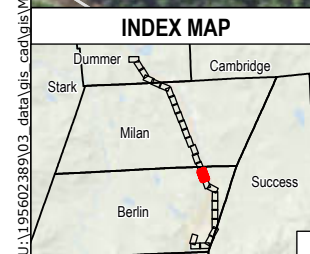


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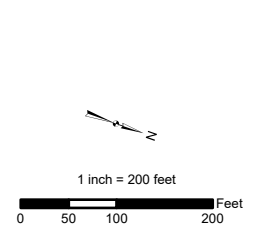
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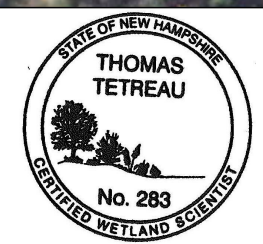
Legend

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- Existing Structure
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- Existing Structure to Remain
- Overhead Transmission Line
- Approximate Distribution Line
- Existing Right-Of-Way (ROW)
- Existing Access
- Off-ROW Access Pending Rights
- Suggested Erosion and Sediment Control (TYP)
- AoT Disturbance Area - Access
- AoT Disturbance Area - Pad
- Temporary Construction Matting
- Stone Work Pad
- Eversource Owned Property
- State Owned Property
- Abutter Number
- Parcel Boundary
- Municipal Boundary
- 10ft Contour
- Confirmed Vernal Pool
- Confirmed Vernal Pool Extent
- Delineated Ephemeral Watercourse
- Delineated Intermittent Watercourse
- Delineated Perennial Watercourse
- Field Delineated Wetland Boundary Outline
- Field Delineated Wetland
- Priority Resource Area
- Open Water
- FEMA 100-Year Flood Zone
- FEMA Floodway
- NHDES Protected Shoreland
- Railroad
- Fence
- Stone Wall
- GAS- Approximate Gas Line
- Culvert
- Gate
- Well



Map Notes:
Coordinate System: NAD 1983 StatePlane New Hampshire FIPS 2800 Feet
Data source: Eversource easement lines, structures, transmission lines by Eversource Energy. Wetlands, watercourses and vernal pools delineated by Stantec in May 2022. Additional sources include: FEMA, NH Grant, Basemap: NAIP 2021

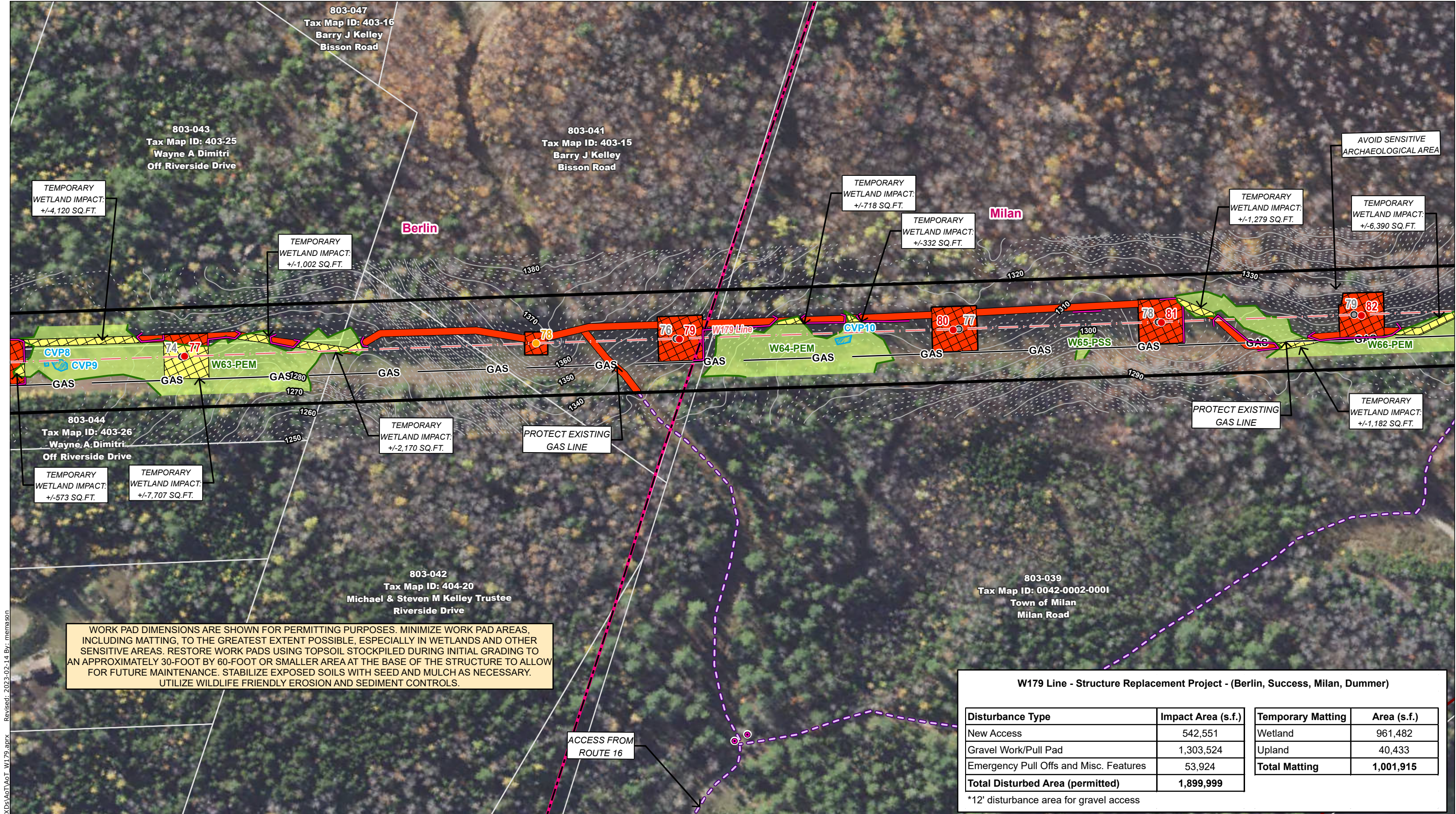
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EVERSOURCE ENERGY

W179 Line - Structure Replacement Alteration of Terrain Permitting Set Permitting Map Set

Berlin, NH	MAP SHEET 12 of 28
Date: February 14, 2023	

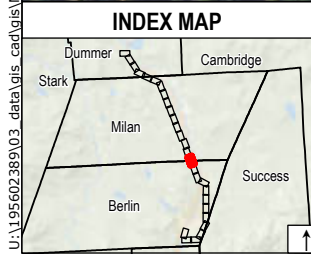


W179 Line - Structure Replacement Project - (Berlin, Success, Milan, Dummer)

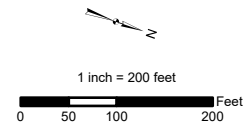
Disturbance Type	Impact Area (s.f.)	Temporary Matting	Area (s.f.)
New Access	542,551	Wetland	961,482
Gravel Work/Pull Pad	1,303,524	Upland	40,433
Emergency Pull Offs and Misc. Features	53,924	Total Matting	1,001,915
Total Disturbed Area (permitted)	1,899,999		

*12' disturbance area for gravel access

U:\195602399\03_data\gis_cad\gis\WX\Ds\AoT\AoT_W179.aprx Revised: 2023-02-14 By: memason

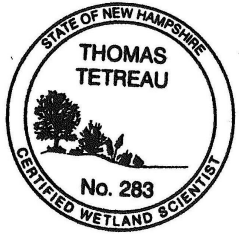


- Legend**
- Proposed Structure
 - Existing Structure
 - Existing Structure to be Removed
 - Existing Structure to Remain
 - Overhead Transmission Line
 - Approximate Distribution Line
 - Existing Right-Of-Way (ROW)
 - Existing Access
 - Off-ROW Access Pending Rights
 - Suggested Erosion and Sediment Control (TYP)
 - AoT Disturbance Area - Access
 - AoT Disturbance Area - Pad
 - Temporary Construction Matting
 - Stone Work Pad
 - Eversource Owned Property
 - State Owned Property
 - Abutter Number
 - Parcel Boundary
 - Municipal Boundary
 - 10ft Contour
 - Confirmed Vernal Pool
 - Confirmed Vernal Pool Extent
 - Delineated Ephemeral Watercourse
 - Delineated Intermittent Watercourse
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 - Field Delineated Wetland Boundary Outline
 - Field Delineated Wetland
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 - Open Water
 - FEMA 100-Year Flood Zone
 - FEMA Floodway
 - NHDES Protected Shoreland
 - Railroad
 - Fence
 - Stone Wall
 - Approximate Gas Line
 - Culvert
 - Gate
 - Well



Map Notes:
 Coordinate System: NAD 1983 StatePlane New Hampshire FIPS 2800 Feet
 Data source: Eversource easement lines, structures, transmission lines by Eversource Energy. Wetlands, watercourses and vernal pools delineated by Stantec in May 2022. Additional sources include: FEMA, NH Grant, Basemap: NAIP 2021

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EVERSOURCE ENERGY

W179 Line - Structure Replacement Alteration of Terrain Permitting Set Permitting Map Set

Berlin/Milan, NH MAP SHEET 13 of 28

Date: February 14, 2023

Stantec

WORK PAD DIMENSIONS ARE SHOWN FOR PERMITTING PURPOSES. MINIMIZE WORK PAD AREAS, INCLUDING MATTING, TO THE GREATEST EXTENT POSSIBLE, ESPECIALLY IN WETLANDS AND OTHER SENSITIVE AREAS. RESTORE WORK PADS USING TOPSOIL STOCKPILED DURING INITIAL GRADING TO AN APPROXIMATELY 30-FOOT BY 60-FOOT OR SMALLER AREA AT THE BASE OF THE STRUCTURE TO ALLOW FOR FUTURE MAINTENANCE. STABILIZE EXPOSED SOILS WITH SEED AND MULCH AS NECESSARY. UTILIZE WILDLIFE FRIENDLY EROSION AND SEDIMENT CONTROLS.

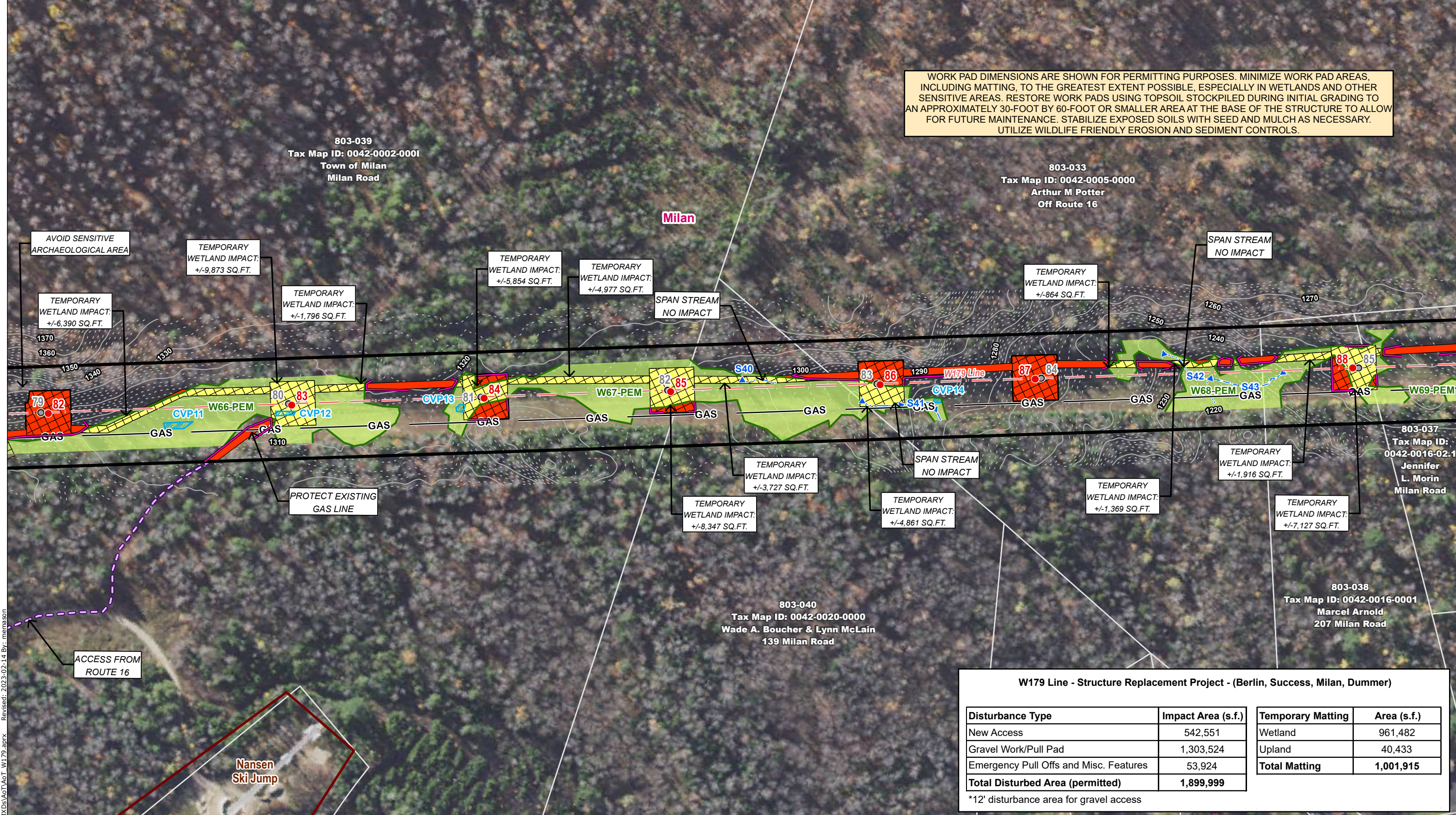
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Tax Map ID: 0042-0002-0001
Town of Milan
Milan Road

803-033
Tax Map ID: 0042-0005-0000
Arthur M Potter
Off Route 16

803-040
Tax Map ID: 0042-0020-0000
Wade A. Boucher & Lynn McLain
139 Milan Road

803-038
Tax Map ID: 0042-0016-0001
Marcel Arnold
207 Milan Road

803-037
Tax Map ID: 0042-0016-02.1
Jennifer L. Morin
Milan Road

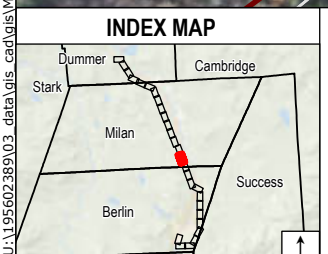


W179 Line - Structure Replacement Project - (Berlin, Success, Milan, Dummer)

Disturbance Type	Impact Area (s.f.)	Temporary Matting	Area (s.f.)
New Access	542,551	Wetland	961,482
Gravel Work/Pull Pad	1,303,524	Upland	40,433
Emergency Pull Offs and Misc. Features	53,924	Total Matting	1,001,915
Total Disturbed Area (permitted)	1,899,999		

*12' disturbance area for gravel access

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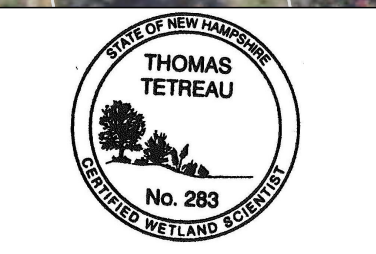
Legend

● Proposed Structure	● Existing Structure	● Existing Structure to be Removed	● Existing Structure to Remain	— Overhead Transmission Line	— Approximate Distribution Line	— Existing Right-Of-Way (ROW)	— Existing Access	— Off-ROW Access Pending Rights	— Suggested Erosion and Sediment Control (TYP)	■ AoT Disturbance Area - Access	■ AoT Disturbance Area - Pad	■ Temporary Construction Matting	■ Stone Work Pad	■ Eversource Owned Property	■ State Owned Property	■ Abutter Number	■ Parcel Boundary	■ Municipal Boundary	■ 2ft Contour	■ 10ft Contour	● Confirmed Vernal Pool	● Confirmed Vernal Pool Extent	— Delineated Ephemeral Watercourse	— Delineated Intermittent Watercourse	— Delineated Perennial Watercourse	— Field Delineated Wetland Boundary Outline	— Field Delineated Wetland	— Priority Resource Area	— Open Water	— FEMA 100-Year Flood Zone	— FEMA Floodway	— NHDES Protected Shoreland	— Railroad	— Stone Wall	— Approximate Gas Line	● Culvert	● Gate	● Well
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Map Notes:
Coordinate System: NAD 1983 StatePlane New Hampshire FIPS 2800 Feet
Data source: Eversource easement lines, structures, transmission lines by Eversource Energy. Wetlands, watercourses and vernal pools delineated by Stantec in May 2022. Additional sources include: FEMA, NH Grant, Basemap: NAIP 2021

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1 inch = 200 feet

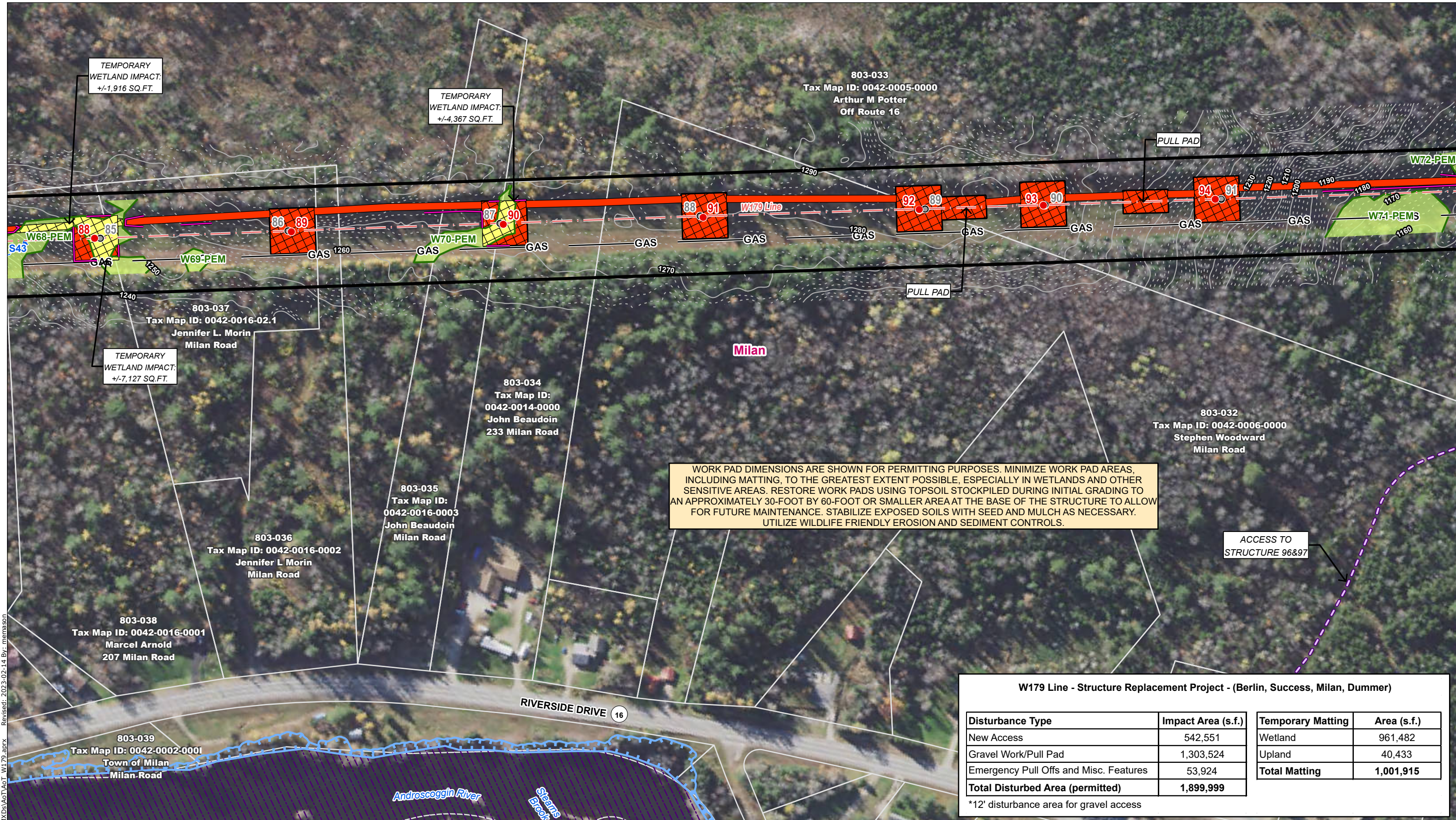


EVERSOURCE ENERGY

W179 Line - Structure Replacement Alteration of Terrain Permitting Set Permitting Map Set

Milan, NH MAP SHEET 14 of 28

Date: February 14, 2023



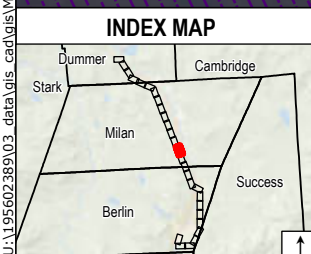
WORK PAD DIMENSIONS ARE SHOWN FOR PERMITTING PURPOSES. MINIMIZE WORK PAD AREAS, INCLUDING MATTING, TO THE GREATEST EXTENT POSSIBLE, ESPECIALLY IN WETLANDS AND OTHER SENSITIVE AREAS. RESTORE WORK PADS USING TOPSOIL STOCKPILED DURING INITIAL GRADING TO AN APPROXIMATELY 30-FOOT BY 60-FOOT OR SMALLER AREA AT THE BASE OF THE STRUCTURE TO ALLOW FOR FUTURE MAINTENANCE. STABILIZE EXPOSED SOILS WITH SEED AND MULCH AS NECESSARY. UTILIZE WILDLIFE FRIENDLY EROSION AND SEDIMENT CONTROLS.

W179 Line - Structure Replacement Project - (Berlin, Success, Milan, Dummer)

Disturbance Type	Impact Area (s.f.)	Temporary Matting	Area (s.f.)
New Access	542,551	Wetland	961,482
Gravel Work/Pull Pad	1,303,524	Upland	40,433
Emergency Pull Offs and Misc. Features	53,924	Total Matting	1,001,915
Total Disturbed Area (permitted)	1,899,999		

*12' disturbance area for gravel access

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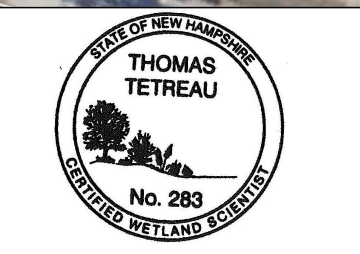


- Legend**
- Proposed Structure
 - Existing Structure
 - Existing Structure to be Removed
 - Existing Structure to Remain
 - Overhead Transmission Line
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 - Municipal Boundary
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 - Stone Wall
 - -GAS- Approximate Gas Line
 - Culvert
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 - Well

Map Notes:
 Coordinate System: NAD 1983 StatePlane New Hampshire FIPS 2800 Feet
 Data source: Eversource easement lines, structures, transmission lines by Eversource Energy. Wetlands, watercourses and vernal pools delineated by Stantec in May 2022. Additional sources include: FEMA, NH Grant, Basemap: NAIP 2021

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1 inch = 200 feet



EVERSOURCE ENERGY

**W179 Line - Structure Replacement
Alteration of Terrain Permitting Set
Permitting Map Set**

Milan, NH	MAP SHEET 15 of 28
Date: February 14, 2023	

803-033
Tax Map ID: 0042-0005-0000
Arthur M Potter
Off Route 16

803-031
Tax Map ID: 0042-0003-0000
Michael E Galuszka
477 Milan Road

803-032
Tax Map ID: 0042-0006-0000
Stephen Woodward
Milan Road

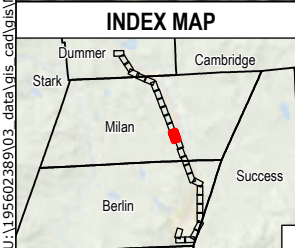
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W179 Line - Structure Replacement Project - (Berlin, Success, Milan, Dummer)

Disturbance Type	Impact Area (s.f.)	Temporary Matting	Area (s.f.)
New Access	542,551	Wetland	961,482
Gravel Work/Pull Pad	1,303,524	Upland	40,433
Emergency Pull Offs and Misc. Features	53,924	Total Matting	1,001,915
Total Disturbed Area (permitted)	1,899,999		

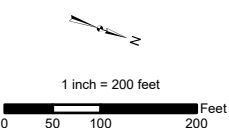
*12' disturbance area for gravel access

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Legend

- Proposed Structure
- Existing Structure
- Existing Structure to be Removed
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- Overhead Transmission Line
- Approximate Distribution Line
- Existing Right-Of-Way (ROW)
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- Stone Work Pad
- Eversource Owned Property
- State Owned Property
- Abutter Number
- Parcel Boundary
- Municipal Boundary
- 10ft Contour
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- Delineated Perennial Watercourse
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- FEMA 100-Year Flood Zone
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- Stone Wall
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Map Notes:
Coordinate System: NAD 1983 StatePlane New Hampshire FIPS 2800 Feet
Data source: Eversource easement lines, structures, transmission lines by Eversource Energy. Wetlands, watercourses and vernal pools delineated by Stantec in May 2022. Additional sources include: FEMA, NH Grant, Basemap: NAIP 2021

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EVERSOURCE ENERGY

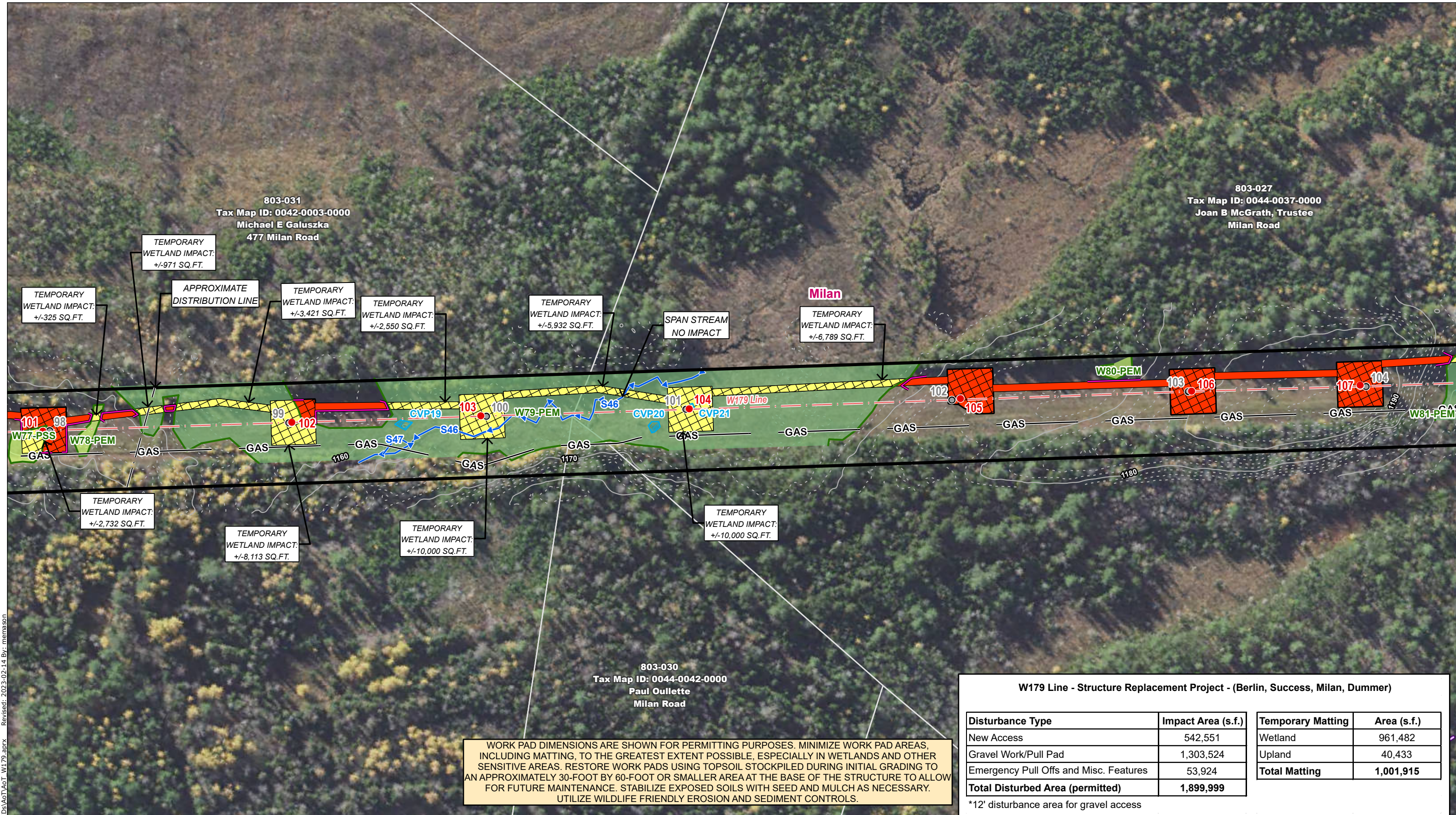
W179 Line - Structure Replacement Alteration of Terrain Permitting Set Permitting Map Set

Milan, NH MAP SHEET 16 of 28

Date: February 14, 2023

Stantec

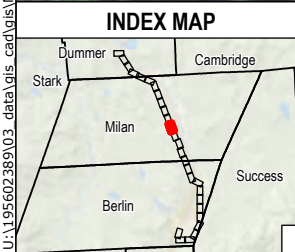
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W179 Line - Structure Replacement Project - (Berlin, Success, Milan, Dummer)

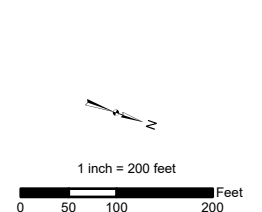
Disturbance Type	Impact Area (s.f.)	Temporary Matting	Area (s.f.)
New Access	542,551	Wetland	961,482
Gravel Work/Pull Pad	1,303,524	Upland	40,433
Emergency Pull Offs and Misc. Features	53,924	Total Matting	1,001,915
Total Disturbed Area (permitted)	1,899,999		

*12' disturbance area for gravel access



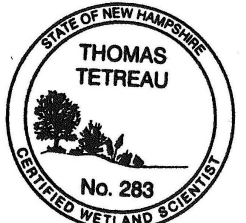
Legend

- Proposed Structure
- Existing Structure
- Existing Structure to be Removed
- Existing Structure to Remain
- Overhead Transmission Line
- Approximate Distribution Line
- Existing Right-Of-Way (ROW)
- Existing Access
- Off-ROW Access Pending Rights
- Suggested Erosion and Sediment Control (TYP)
- AoT Disturbance Area - Access
- AoT Disturbance Area - Pad
- Temporary Construction Matting
- Stone Work Pad
- Eversource Owned Property
- State Owned Property
- Abutter Number
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- Municipal Boundary
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- Confirmed Vernal Pool
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- Gate
- Well



Map Notes:
 Coordinate System: NAD 1983 StatePlane New Hampshire FIPS 2800 Feet
 Data source: Eversource easement lines, structures, transmission lines by Eversource Energy. Wetlands, watercourses and vernal pools delineated by Stantec in May 2022. Additional sources include: FEMA, NH Grant, Basemap: NAIP 2021

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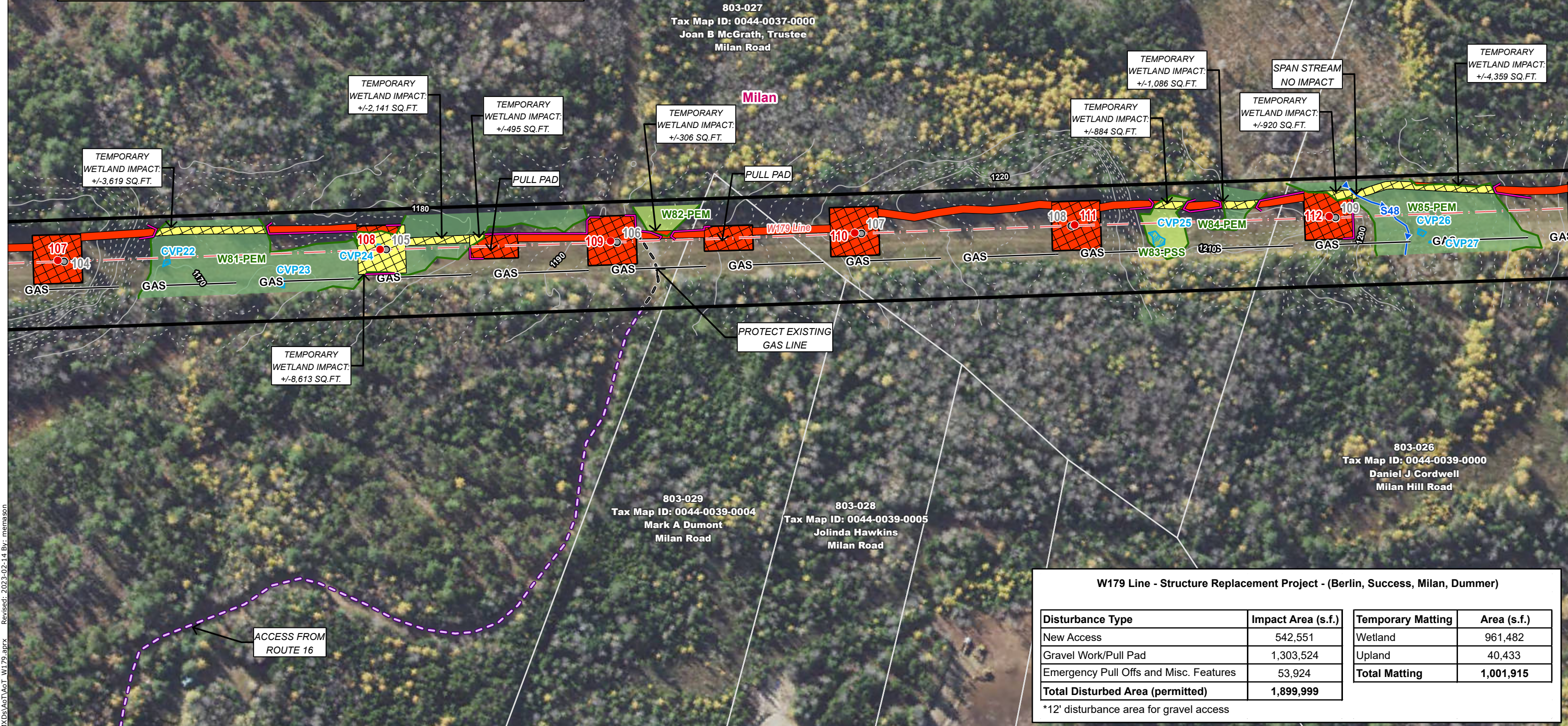


EVERSOURCE ENERGY

**W179 Line - Structure Replacement
Alteration of Terrain Permitting Set
Permitting Map Set**

Milan, NH	MAP SHEET 17 of 28
Date: February 14, 2023	

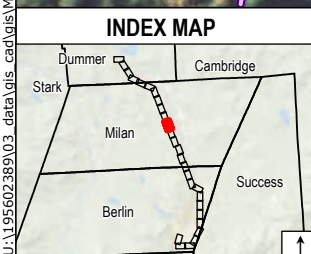
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W179 Line - Structure Replacement Project - (Berlin, Success, Milan, Dummer)

Disturbance Type	Impact Area (s.f.)	Temporary Matting	Area (s.f.)
New Access	542,551	Wetland	961,482
Gravel Work/Pull Pad	1,303,524	Upland	40,433
Emergency Pull Offs and Misc. Features	53,924	Total Matting	1,001,915
Total Disturbed Area (permitted)	1,899,999		

*12' disturbance area for gravel access

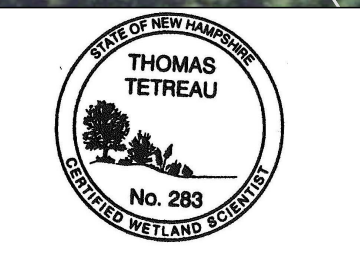


- Legend**
- Proposed Structure
 - Existing Structure
 - Existing Structure to be Removed
 - Existing Structure to Remain
 - Overhead Transmission Line
 - Approximate Distribution Line
 - Existing Right-Of-Way (ROW)
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Map Notes:
 Coordinate System: NAD 1983 StatePlane New Hampshire FIPS 2800 Feet
 Data source: Eversource easement lines, structures, transmission lines by Eversource Energy. Wetlands, watercourses and vernal pools delineated by Stantec in May 2022. Additional sources include: FEMA, NH Grant, Basemap: NAIP 2021

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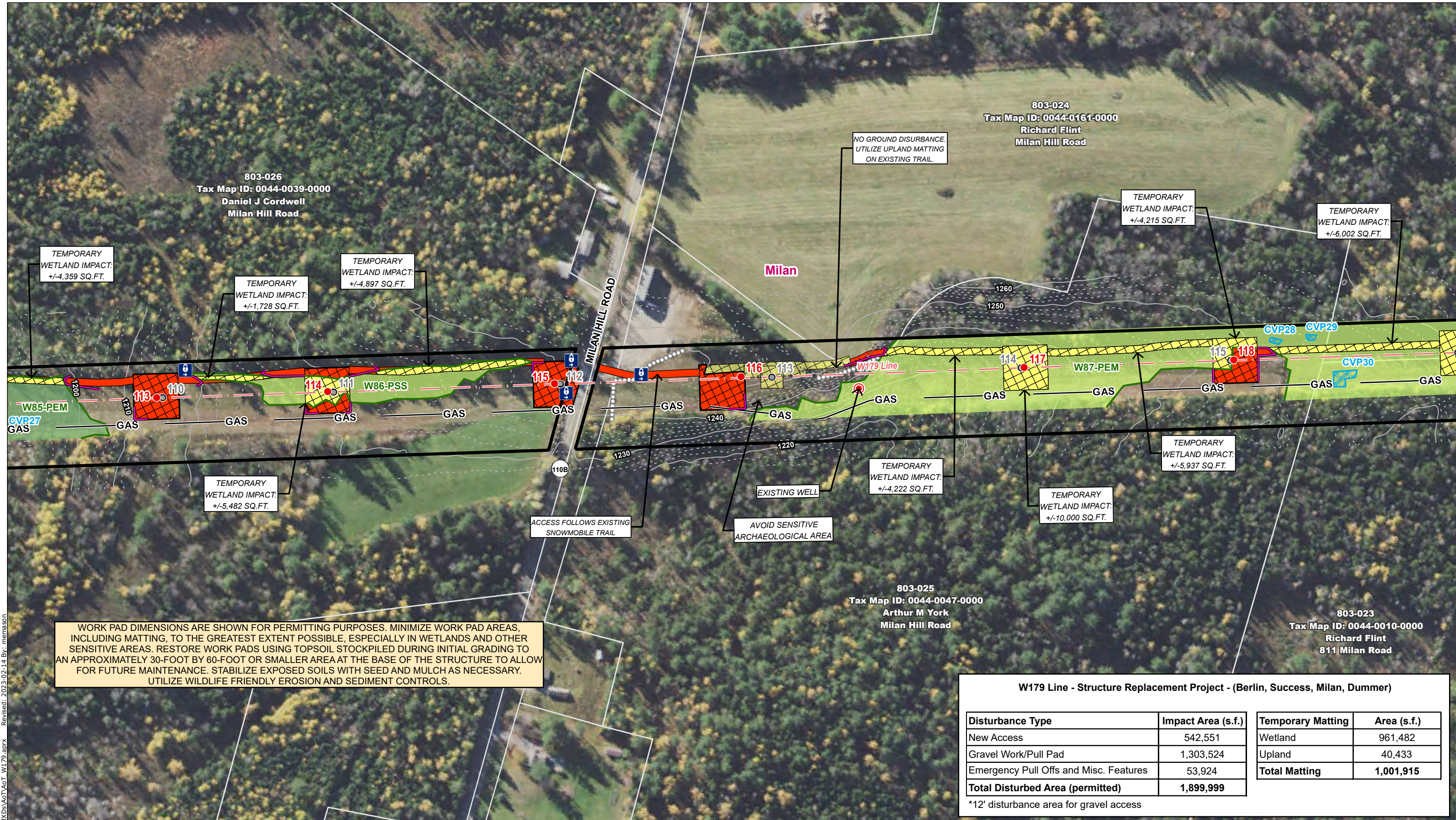
EVERSOURCE ENERGY

W179 Line - Structure Replacement Alteration of Terrain Permitting Set Permitting Map Set

Milan, NH MAP SHEET 18 of 28

Date: February 14, 2023

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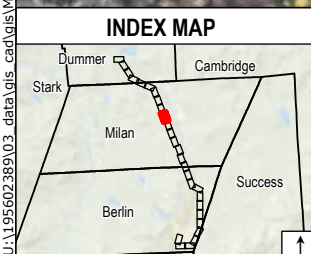
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W179 Line - Structure Replacement Project - (Berlin, Success, Milan, Dummer)

Disturbance Type	Impact Area (s.f.)	Temporary Matting	Area (s.f.)
New Access	542,551	Wetland	961,482
Gravel Work/Pull Pad	1,303,524	Upland	40,433
Emergency Pull Offs and Misc. Features	53,924	Total Matting	1,001,915
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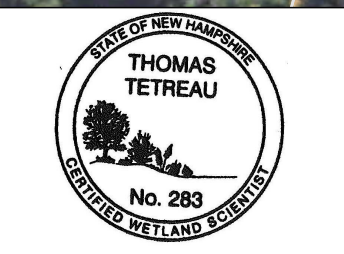
Legend

<ul style="list-style-type: none"> Proposed Structure Existing Structure Existing Structure to be Removed Existing Structure to Remain Overhead Transmission Line Approximate Distribution Line Existing Right-Of-Way (ROW) Existing Access Off-ROW Access Pending Rights Suggested Erosion and Sediment Control (TYP) 	<ul style="list-style-type: none"> AoT Disturbance Area - Access AoT Disturbance Area - Pad Temporary Construction Matting Stone Work Pad Eversource Owned Property State Owned Property Parcel Boundary Municipal Boundary 10ft Contour 	<ul style="list-style-type: none"> Confirmed Vernal Pool Confirmed Vernal Pool Extent Delineated Ephemeral Watercourse Delineated Intermittent Watercourse Delineated Perennial Watercourse Field Delineated Wetland Boundary Outline Field Delineated Wetland Priority Resource Area Open Water 	<ul style="list-style-type: none"> FEMA 100-Year Flood Zone FEMA Floodway NHDES Protected Shoreland Railroad Fence Stone Wall Approximate Gas Line 	<ul style="list-style-type: none"> Culvert Gate Well
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Map Notes:
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 Data source: Eversource easement lines, structures, transmission lines by Eversource Energy. Wetlands, watercourses and vernal pools delineated by Stantec in May 2022. Additional sources include: FEMA, NH Grant, Basemap: NAIP 2021

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1 inch = 200 feet

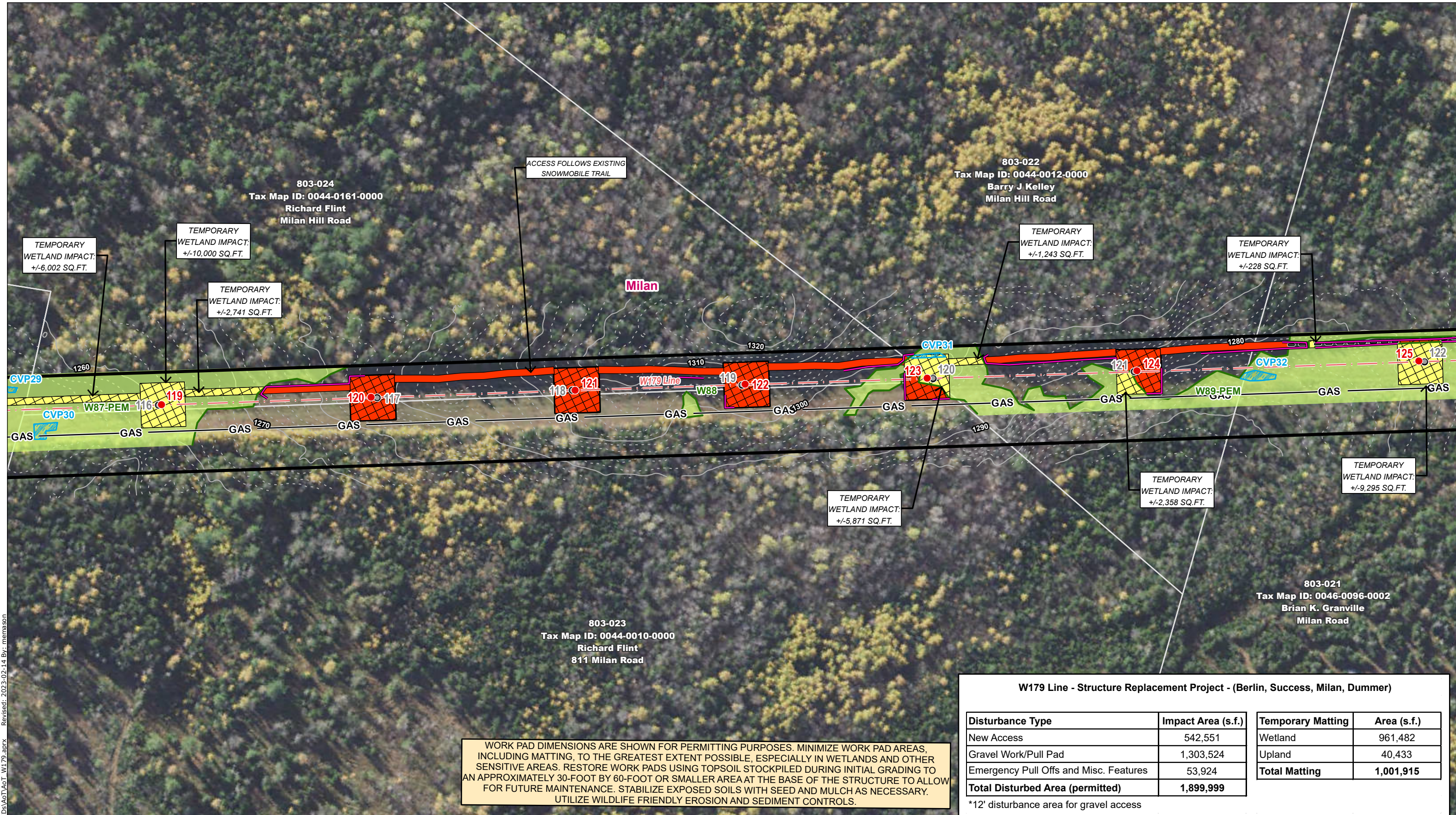


EVERSOURCE ENERGY

W179 Line - Structure Replacement Alteration of Terrain Permitting Set Permitting Map Set

Milan, NH	MAP SHEET 19 of 28
Date: February 14, 2023	

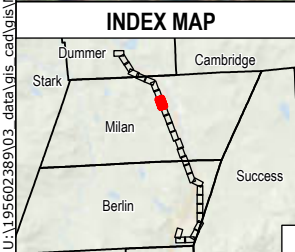
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W179 Line - Structure Replacement Project - (Berlin, Success, Milan, Dummer)

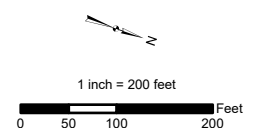
Disturbance Type	Impact Area (s.f.)	Temporary Matting	Area (s.f.)
New Access	542,551	Wetland	961,482
Gravel Work/Pull Pad	1,303,524	Upland	40,433
Emergency Pull Offs and Misc. Features	53,924	Total Matting	1,001,915
Total Disturbed Area (permitted)	1,899,999		

*12' disturbance area for gravel access



Legend

<ul style="list-style-type: none"> Proposed Structure Existing Structure Existing Structure to be Removed Existing Structure to Remain Overhead Transmission Line Approximate Distribution Line Existing Right-Of-Way (ROW) Existing Access Off-ROW Access Pending Rights Suggested Erosion and Sediment Control (TYP) 	<ul style="list-style-type: none"> AoT Disturbance Area - Access AoT Disturbance Area - Pad Temporary Construction Matting Stone Work Pad Eversource Owned Property State Owned Property Abutter Number Parcel Boundary Municipal Boundary 10ft Contour 	<ul style="list-style-type: none"> Confirmed Vernal Pool Confirmed Vernal Pool Extent Delineated Ephemeral Watercourse Delineated Intermittent Watercourse Delineated Perennial Watercourse Field Delineated Wetland Boundary Outline Field Delineated Wetland Priority Resource Area Open Water 	<ul style="list-style-type: none"> FEMA 100-Year Flood Zone FEMA Floodway NHDES Protected Shoreland Railroad Fence Stone Wall -GAS- Approximate Gas Line 	<ul style="list-style-type: none"> Culvert Gate Well
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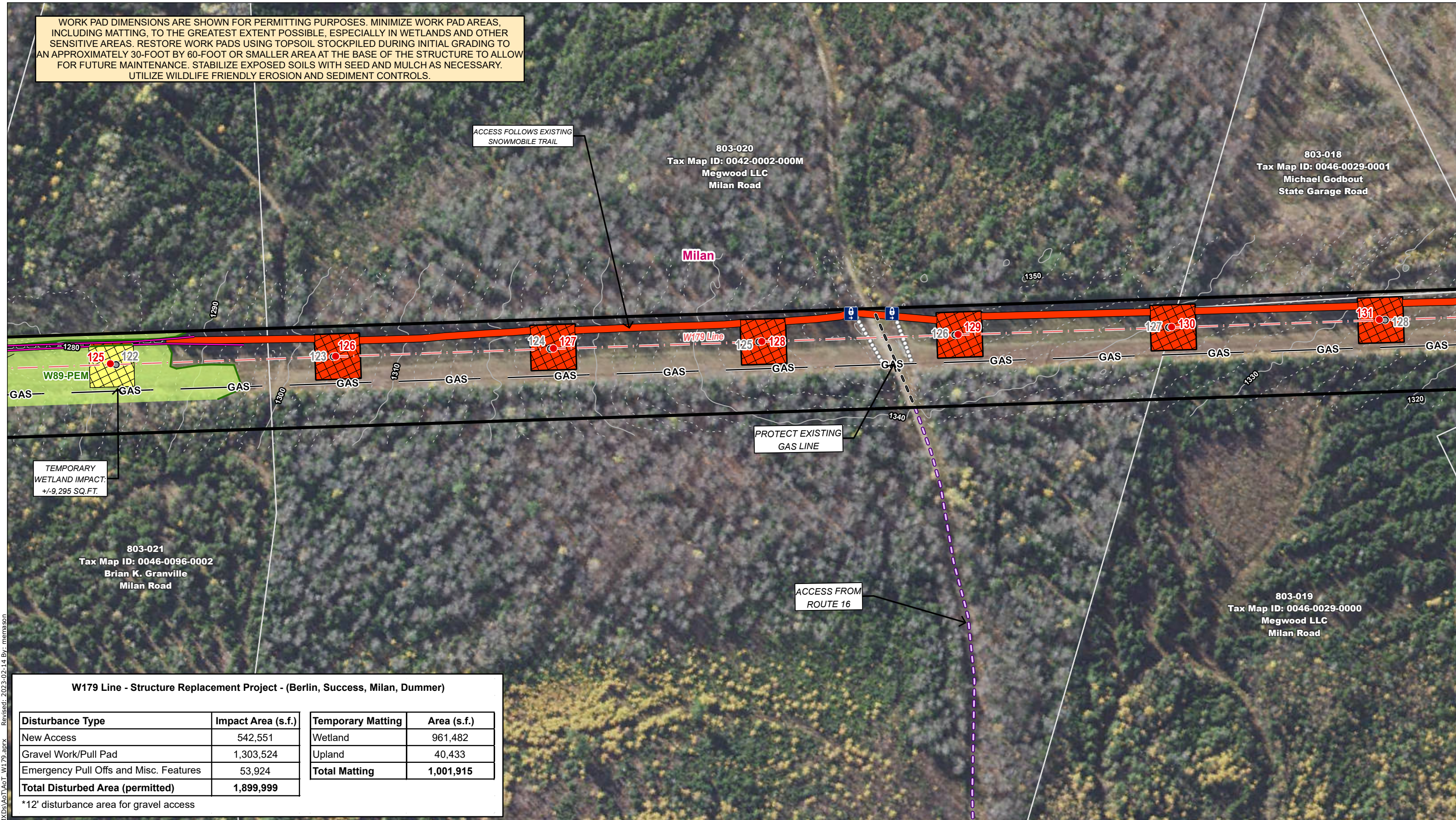


EVERSOURCE ENERGY

**W179 Line - Structure Replacement
Alteration of Terrain Permitting Set
Permitting Map Set**

Milan, NH	MAP SHEET 20 of 28
Date: February 14, 2023	

WORK PAD DIMENSIONS ARE SHOWN FOR PERMITTING PURPOSES. MINIMIZE WORK PAD AREAS, INCLUDING MATTING, TO THE GREATEST EXTENT POSSIBLE, ESPECIALLY IN WETLANDS AND OTHER SENSITIVE AREAS. RESTORE WORK PADS USING TOPSOIL STOCKPILED DURING INITIAL GRADING TO AN APPROXIMATELY 30-FOOT BY 60-FOOT OR SMALLER AREA AT THE BASE OF THE STRUCTURE TO ALLOW FOR FUTURE MAINTENANCE. STABILIZE EXPOSED SOILS WITH SEED AND MULCH AS NECESSARY. UTILIZE WILDLIFE FRIENDLY EROSION AND SEDIMENT CONTROLS.

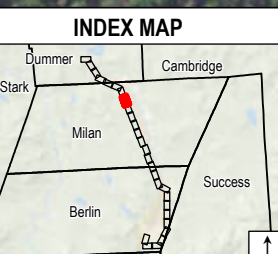


W179 Line - Structure Replacement Project - (Berlin, Success, Milan, Dummer)

Disturbance Type	Impact Area (s.f.)	Temporary Matting	Area (s.f.)
New Access	542,551	Wetland	961,482
Gravel Work/Pull Pad	1,303,524	Upland	40,433
Emergency Pull Offs and Misc. Features	53,924	Total Matting	1,001,915
Total Disturbed Area (permitted)	1,899,999		

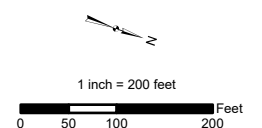
*12' disturbance area for gravel access

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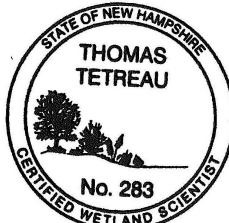
Legend

- Proposed Structure
- Existing Structure
- Existing Structure to be Removed
- Existing Structure to Remain
- Overhead Transmission Line
- Approximate Distribution Line
- Existing Right-Of-Way (ROW)
- Existing Access
- Off-ROW Access Pending Rights
- Suggested Erosion and Sediment Control (TYP)
- AoT Disturbance Area - Access
- AoT Disturbance Area - Pad
- Temporary Construction Matting
- Stone Work Pad
- Eversource Owned Property
- State Owned Property
- Parcel Boundary
- Municipal Boundary
- 10ft Contour
- Confirmed Vernal Pool
- Confirmed Vernal Pool Extent
- Delineated Ephemeral Watercourse
- Delineated Intermittent Watercourse
- Delineated Perennial Watercourse
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- Field Delineated Wetland
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- NHDES Protected Shoreland
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- Fence
- Stone Wall
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- Culvert
- Gate
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Map Notes:
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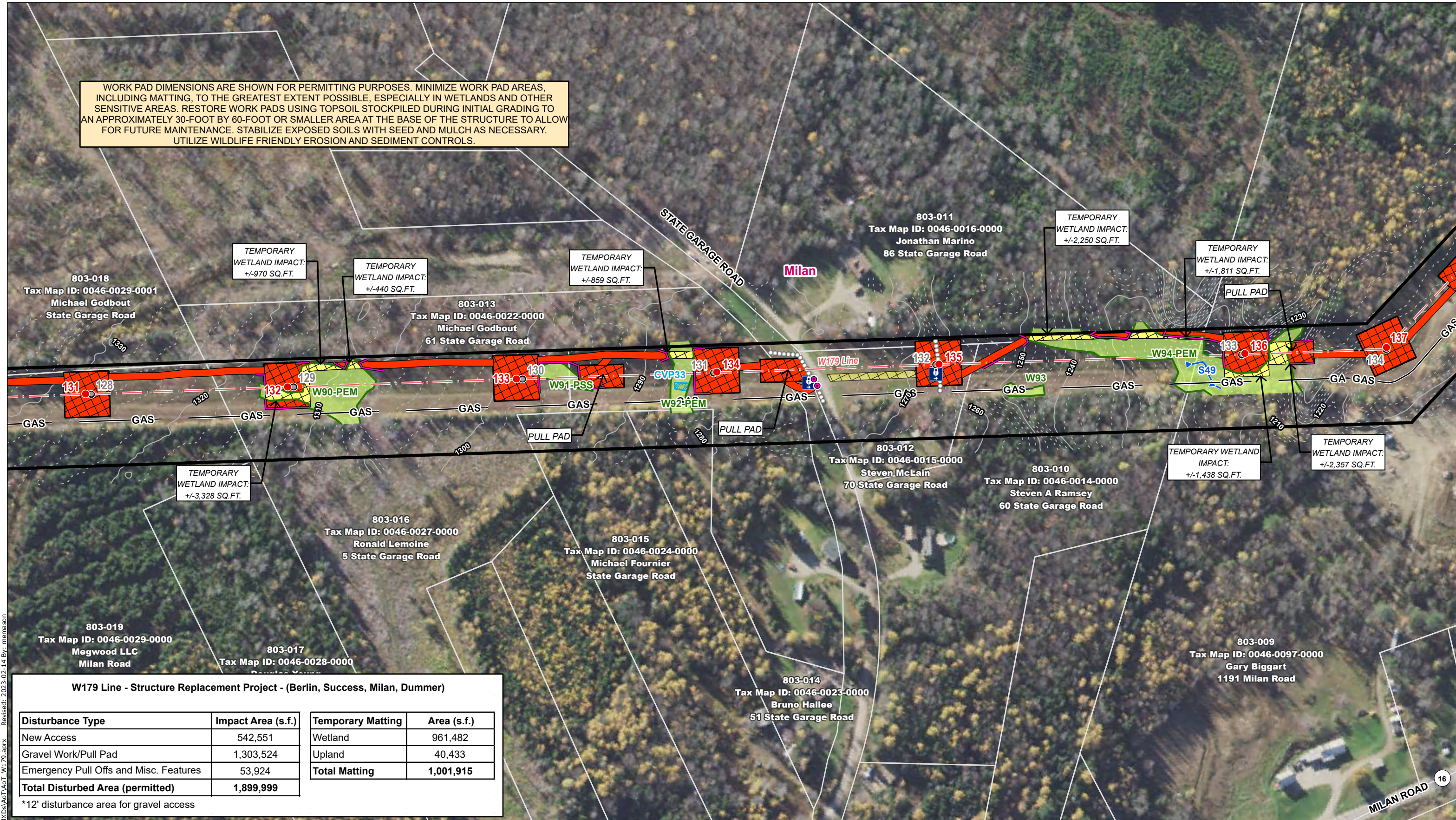
W179 Line - Structure Replacement Alteration of Terrain Permitting Set Permitting Map Set

Milan, NH MAP SHEET 21 of 28

Date: February 14, 2023

Stantec

WORK PAD DIMENSIONS ARE SHOWN FOR PERMITTING PURPOSES. MINIMIZE WORK PAD AREAS, INCLUDING MATTING, TO THE GREATEST EXTENT POSSIBLE, ESPECIALLY IN WETLANDS AND OTHER SENSITIVE AREAS. RESTORE WORK PADS USING TOPSOIL STOCKPILED DURING INITIAL GRADING TO AN APPROXIMATELY 30-FOOT BY 60-FOOT OR SMALLER AREA AT THE BASE OF THE STRUCTURE TO ALLOW FOR FUTURE MAINTENANCE. STABILIZE EXPOSED SOILS WITH SEED AND MULCH AS NECESSARY. UTILIZE WILDLIFE FRIENDLY EROSION AND SEDIMENT CONTROLS.

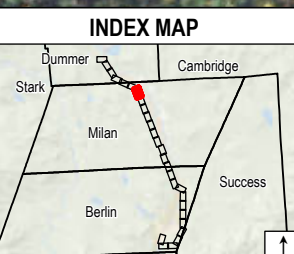


W179 Line - Structure Replacement Project - (Berlin, Success, Milan, Dummer)

Disturbance Type	Impact Area (s.f.)	Temporary Matting	Area (s.f.)
New Access	542,551	Wetland	961,482
Gravel Work/Pull Pad	1,303,524	Upland	40,433
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*12' disturbance area for gravel access

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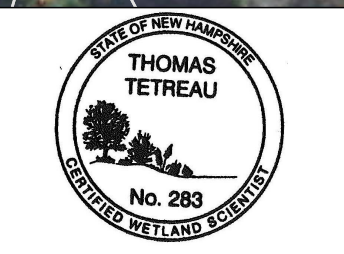
Legend

- Proposed Structure
- Existing Structure
- Existing Structure to be Removed
- Existing Structure to Remain
- Overhead Transmission Line
- Approximate Distribution Line
- Existing Right-Of-Way (ROW)
- Existing Access
- Off-ROW Access Pending Rights
- Suggested Erosion and Sediment Control (TYP)
- AoT Disturbance Area - Access
- AoT Disturbance Area - Pad
- Temporary Construction Matting
- Stone Work Pad
- Eversource Owned Property
- State Owned Property
- Parcel Boundary
- Municipal Boundary
- 2ft Contour
- 10ft Contour
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Map Notes:
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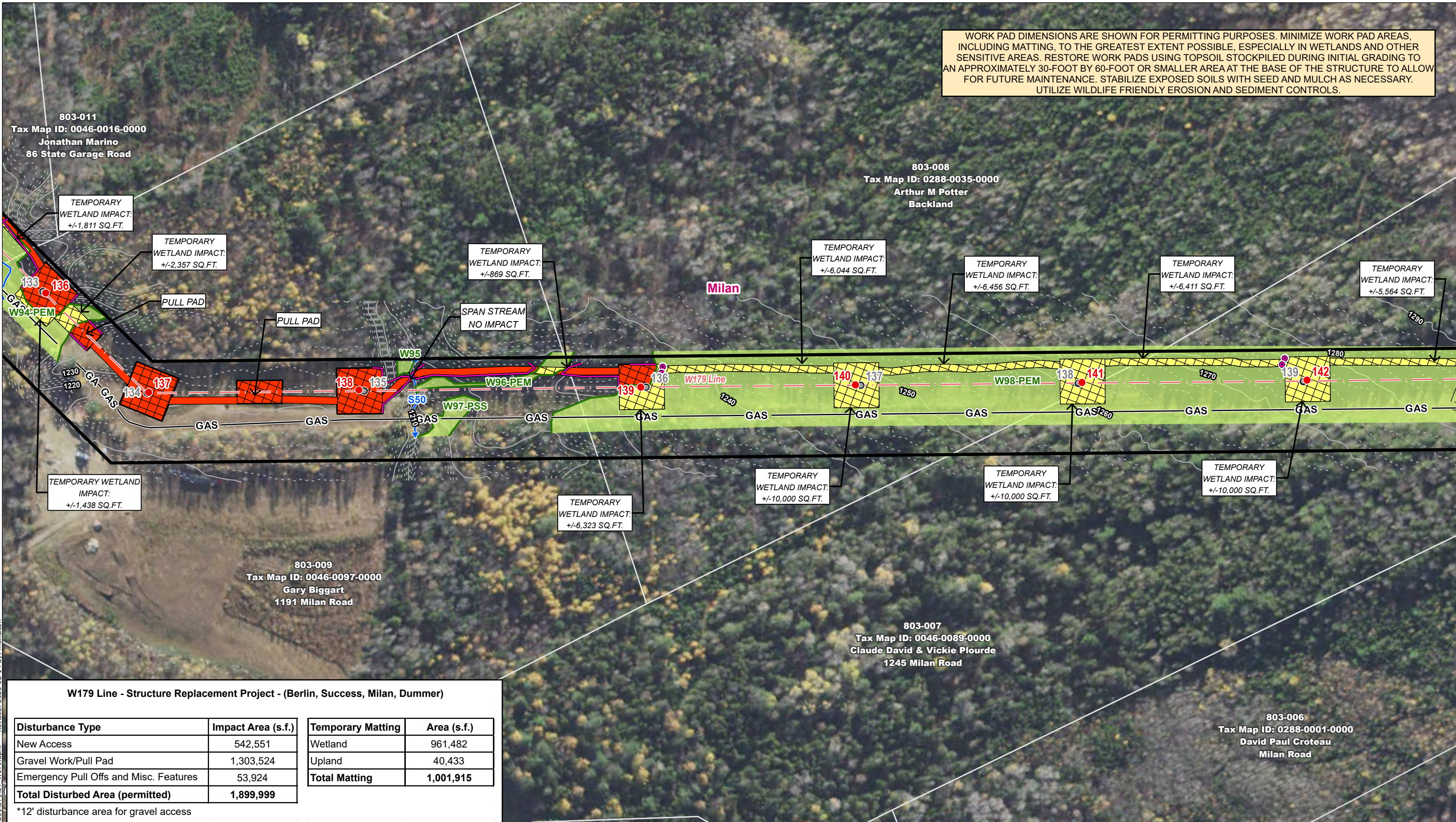
EVSOURCE ENERGY

W179 Line - Structure Replacement Alteration of Terrain Permitting Set Permitting Map Set

Milan, NH MAP SHEET 22 of 28

Date: February 14, 2023

WORK PAD DIMENSIONS ARE SHOWN FOR PERMITTING PURPOSES. MINIMIZE WORK PAD AREAS, INCLUDING MATTING, TO THE GREATEST EXTENT POSSIBLE, ESPECIALLY IN WETLANDS AND OTHER SENSITIVE AREAS. RESTORE WORK PADS USING TOPSOIL STOCKPILED DURING INITIAL GRADING TO AN APPROXIMATELY 30-FOOT BY 60-FOOT OR SMALLER AREA AT THE BASE OF THE STRUCTURE TO ALLOW FOR FUTURE MAINTENANCE. STABILIZE EXPOSED SOILS WITH SEED AND MULCH AS NECESSARY. UTILIZE WILDLIFE FRIENDLY EROSION AND SEDIMENT CONTROLS.

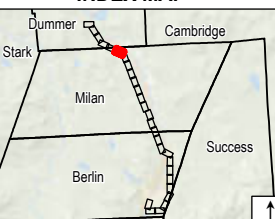


W179 Line - Structure Replacement Project - (Berlin, Success, Milan, Dummer)

Disturbance Type	Impact Area (s.f.)	Temporary Matting	Area (s.f.)
New Access	542,551	Wetland	961,482
Gravel Work/Pull Pad	1,303,524	Upland	40,433
Emergency Pull Offs and Misc. Features	53,924	Total Matting	1,001,915
Total Disturbed Area (permitted)	1,899,999		

*12' disturbance area for gravel access

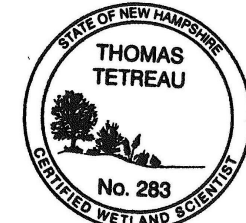
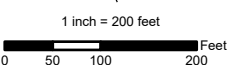
INDEX MAP



Legend

- Proposed Structure
- Existing Structure
- Existing Structure to be Removed
- Existing Structure to Remain
- Overhead Transmission Line
- Approximate Distribution Line
- Existing Right-Of-Way (ROW)
- Existing Access
- Off-ROW Access Pending Rights
- Suggested Erosion and Sediment Control (TYP)
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- Fence
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- Culvert
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- Well

Map Notes:
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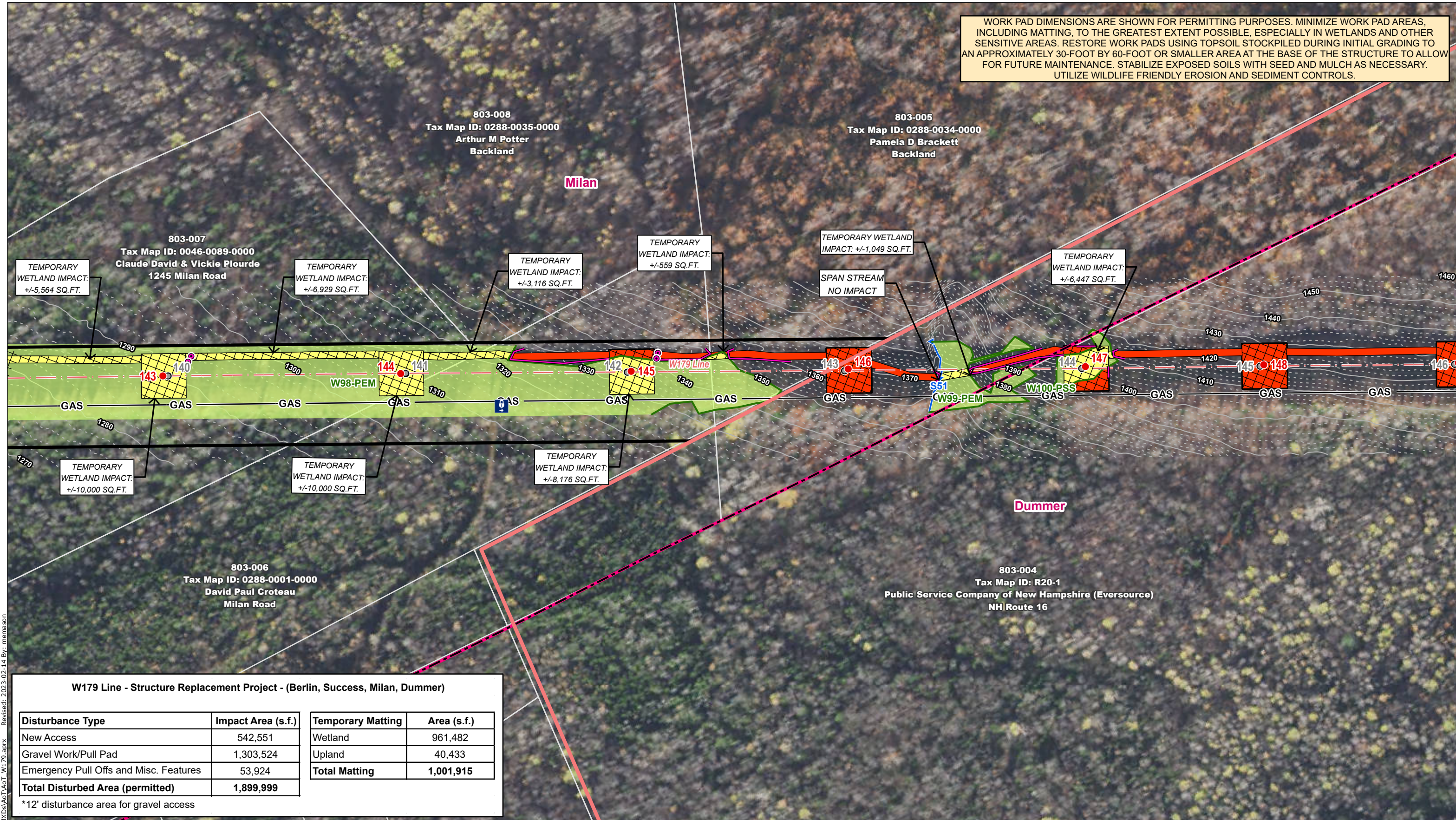
EVERSOURCE ENERGY

**W179 Line - Structure Replacement
Alteration of Terrain Permitting Set
Permitting Map Set**

Milan, NH	MAP SHEET 23 of 28
Date: February 14, 2023	

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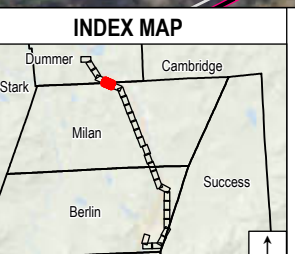


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W179 Line - Structure Replacement Project - (Berlin, Success, Milan, Dummer)

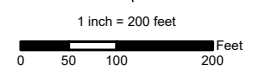
Disturbance Type	Impact Area (s.f.)	Temporary Matting	Area (s.f.)
New Access	542,551	Wetland	961,482
Gravel Work/Pull Pad	1,303,524	Upland	40,433
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*12' disturbance area for gravel access



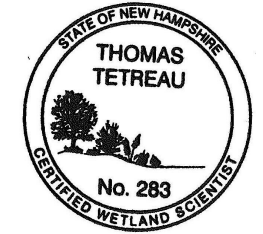
Legend

- Proposed Structure
- Existing Structure
- Existing Structure to be Removed
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- Overhead Transmission Line
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- Approximate Right-Of-Way (ROW)
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- Off-ROW Access Pending Rights
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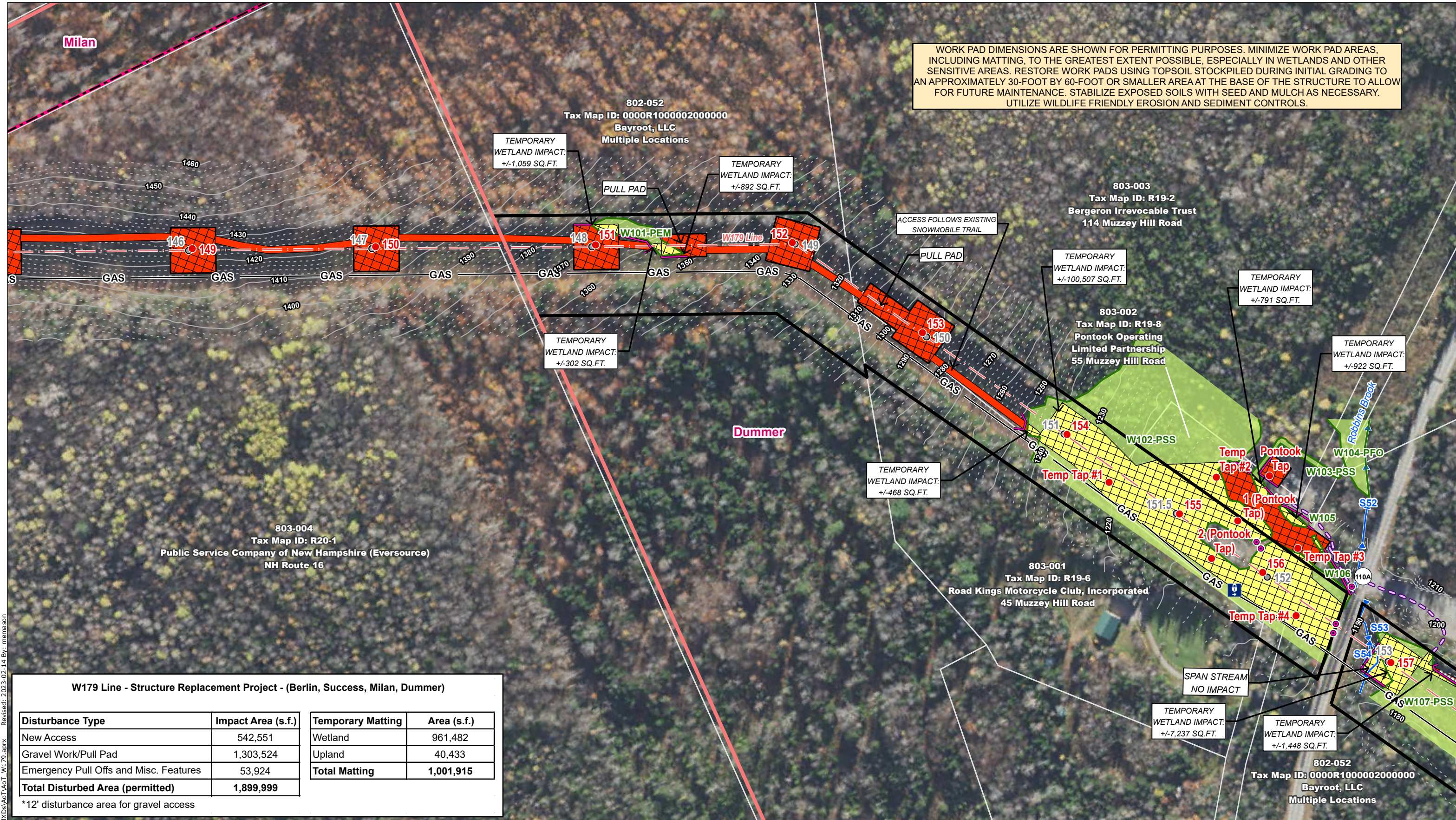
W179 Line - Structure Replacement Alteration of Terrain Permitting Set

Milan/Dummer, NH MAP SHEET 24 of 28

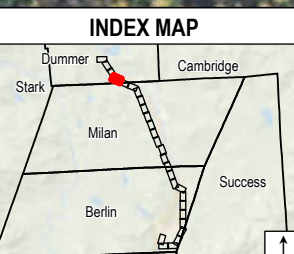
Date: February 14, 2023

Stantec

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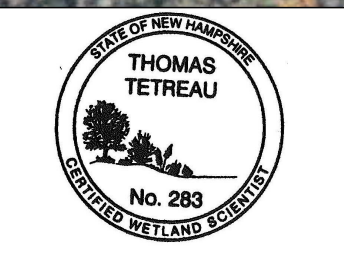
Legend

Proposed Structure	AoT Disturbance Area - Access	Confirmed Vernal Pool	FEMA 100-Year Flood Zone	Culvert
Existing Structure	AoT Disturbance Area - Pad	Confirmed Vernal Pool Extent	FEMA Floodway	Gate
Existing Structure to be Removed	Temporary Construction Matting	Delineated Ephemeral Watercourse	NHDES Protected Shoreland	Well
Existing Structure to Remain	Stone Work Pad	Delineated Intermittent Watercourse	Railroad	
Overhead Transmission Line	Eversource Owned Property	Delineated Perennial Watercourse	Fence	
Approximate Distribution Line	State Owned Property	Field Delineated Wetland Boundary Outline	Stone Wall	
Existing Right-Of-Way (ROW)	803- Parcel Boundary	Field Delineated Wetland	-GAS- Approximate Gas Line	
Existing Access	Municipal Boundary	Priority Resource Area		
Off-ROW Access Pending Rights	2ft Contour	Open Water		
Suggested Erosion and Sediment Control (TYP)	10ft Contour			

Map Notes:
 Coordinate System: NAD 1983 StatePlane New Hampshire FIPS 2800 Feet
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 0 50 100 200 Feet

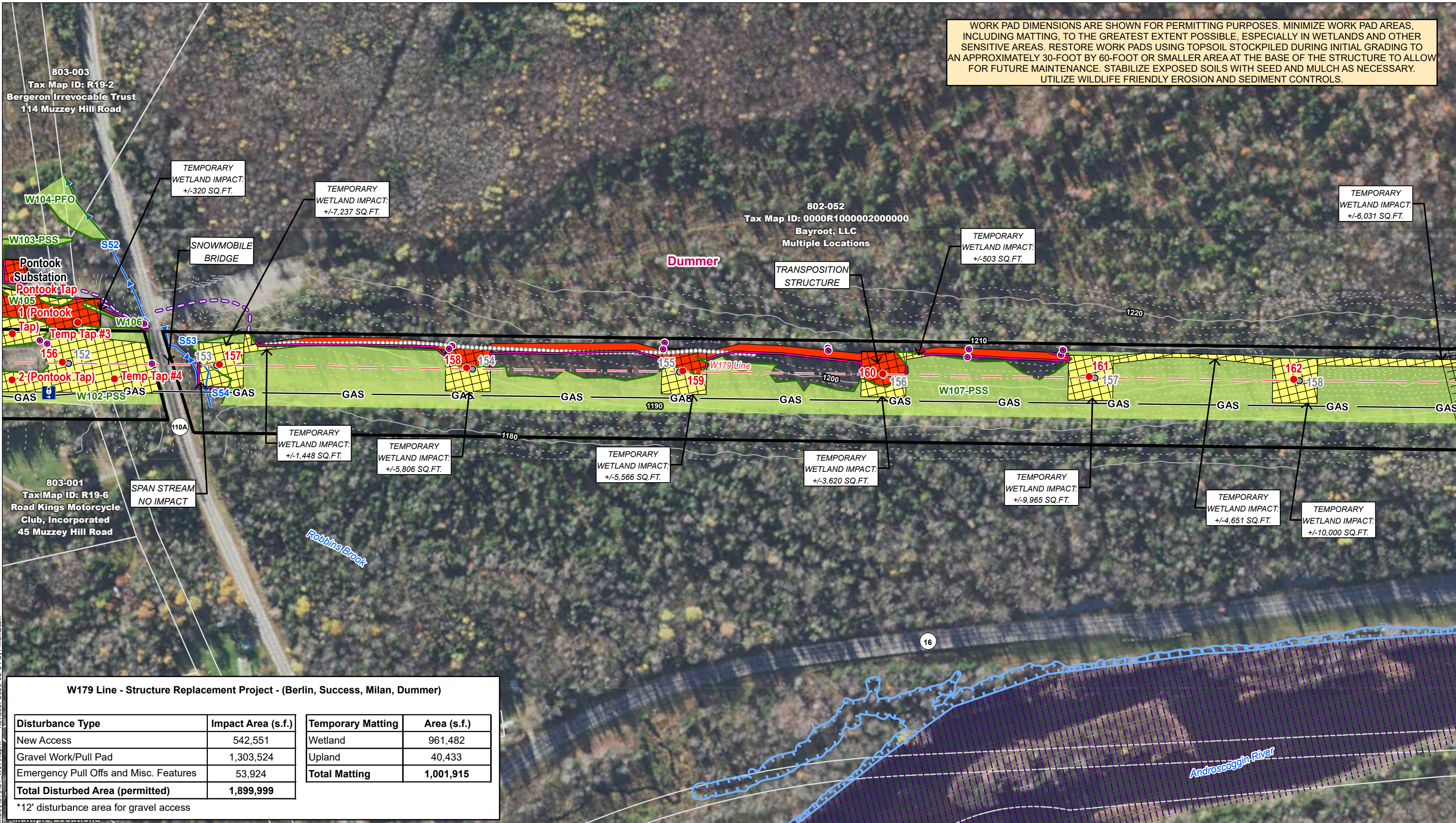


EVSOURCE ENERGY

W179 Line - Structure Replacement Alteration of Terrain Permitting Set Permitting Map Set

Dummer, NH	MAP SHEET 25 of 28
Date: February 14, 2023	

WORK PAD DIMENSIONS ARE SHOWN FOR PERMITTING PURPOSES. MINIMIZE WORK PAD AREAS, INCLUDING MATTING, TO THE GREATEST EXTENT POSSIBLE, ESPECIALLY IN WETLANDS AND OTHER SENSITIVE AREAS. RESTORE WORK PADS USING TOPSOIL STOCKPILED DURING INITIAL GRADING TO AN APPROXIMATELY 30-FOOT BY 60-FOOT OR SMALLER AREA AT THE BASE OF THE STRUCTURE TO ALLOW FOR FUTURE MAINTENANCE. STABILIZE EXPOSED SOILS WITH SEED AND MULCH AS NECESSARY. UTILIZE WILDLIFE FRIENDLY EROSION AND SEDIMENT CONTROLS.

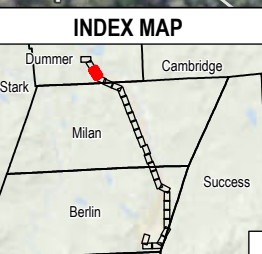


W179 Line - Structure Replacement Project - (Berlin, Success, Milan, Dummer)

Disturbance Type	Impact Area (s.f.)	Temporary Matting	Area (s.f.)
New Access	542,551	Wetland	961,482
Gravel Work/Pull Pad	1,303,524	Upland	40,433
Emergency Pull Offs and Misc. Features	53,924	Total Matting	1,001,915
Total Disturbed Area (permitted)	1,899,999		

*12' disturbance area for gravel access

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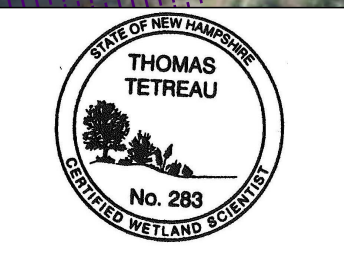
Legend

- Proposed Structure
- Existing Structure
- Existing Structure to be Removed
- Existing Structure to Remain
- Overhead Transmission Line
- Approximate Distribution Line
- Existing Right-Of-Way (ROW)
- Existing Access
- Off-ROW Access Pending Rights
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- AoT Disturbance Area - Pad
- Temporary Construction Matting
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- Municipal Boundary
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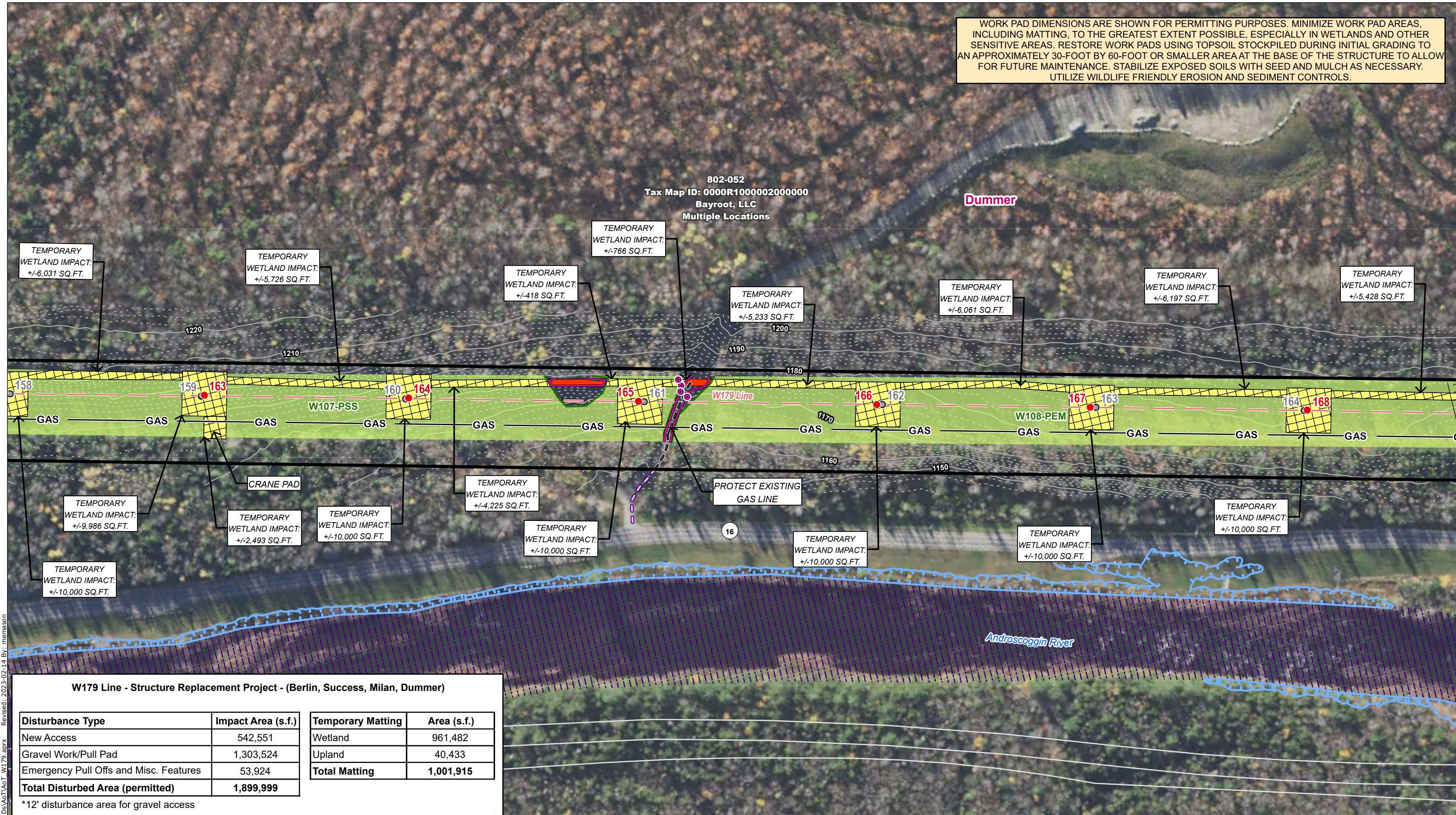
EVSOURCE ENERGY

W179 Line - Structure Replacement Alteration of Terrain Permitting Set Permitting Map Set

Dummer, NH MAP SHEET 26 of 28

Date: February 14, 2023

WORK PAD DIMENSIONS ARE SHOWN FOR PERMITTING PURPOSES. MINIMIZE WORK PAD AREAS, INCLUDING MATTING, TO THE GREATEST EXTENT POSSIBLE, ESPECIALLY IN WETLANDS AND OTHER SENSITIVE AREAS. RESTORE WORK PADS USING TOPSOIL STOCKPILED DURING INITIAL GRADING TO AN APPROXIMATELY 30-FOOT BY 60-FOOT OR SMALLER AREA AT THE BASE OF THE STRUCTURE TO ALLOW FOR FUTURE MAINTENANCE. STABILIZE EXPOSED SOILS WITH SEED AND MULCH AS NECESSARY. UTILIZE WILDLIFE FRIENDLY EROSION AND SEDIMENT CONTROLS.



802-052
Tax Map ID: 0000R1000002000000
Bayroot, LLC
Multiple Locations

Dummer

TEMPORARY WETLAND IMPACT: +/-6,031 SQ.FT.

TEMPORARY WETLAND IMPACT: +/-5,726 SQ.FT.

TEMPORARY WETLAND IMPACT: +/-418 SQ.FT.

TEMPORARY WETLAND IMPACT: +/-766 SQ.FT.

TEMPORARY WETLAND IMPACT: +/-5,233 SQ.FT.

TEMPORARY WETLAND IMPACT: +/-6,061 SQ.FT.

TEMPORARY WETLAND IMPACT: +/-6,197 SQ.FT.

TEMPORARY WETLAND IMPACT: +/-5,428 SQ.FT.

TEMPORARY WETLAND IMPACT: +/-9,986 SQ.FT.

TEMPORARY WETLAND IMPACT: +/-2,493 SQ.FT.

TEMPORARY WETLAND IMPACT: +/-10,000 SQ.FT.

TEMPORARY WETLAND IMPACT: +/-4,225 SQ.FT.

TEMPORARY WETLAND IMPACT: +/-10,000 SQ.FT.

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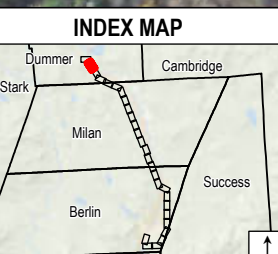
TEMPORARY WETLAND IMPACT: +/-10,000 SQ.FT.

W179 Line - Structure Replacement Project - (Berlin, Success, Milan, Dummer)

Disturbance Type	Impact Area (s.f.)	Temporary Matting	Area (s.f.)
New Access	542,551	Wetland	961,482
Gravel Work/Pull Pad	1,303,524	Upland	40,433
Emergency Pull Offs and Misc. Features	53,924	Total Matting	1,001,915
Total Disturbed Area (permitted)	1,899,999		

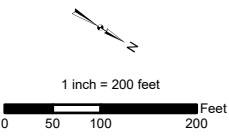
*12' disturbance area for gravel access

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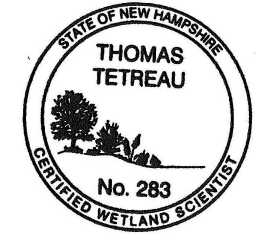
Legend

- Proposed Structure
- Existing Structure
- Existing Structure to be Removed
- Existing Structure to Remain
- Overhead Transmission Line
- Approximate Distribution Line
- Existing Right-Of-Way (ROW)
- Existing Access
- Off-ROW Access Pending Rights
- Suggested Erosion and Sediment Control (TYP)
- AoT Disturbance Area - Access
- AoT Disturbance Area - Pad
- Temporary Construction Matting
- Stone Work Pad
- Eversource Owned Property
- State Owned Property
- Parcel Boundary
- Municipal Boundary
- 10ft Contour
- Confirmed Vernal Pool
- Confirmed Vernal Pool Extent
- Delineated Ephemeral Watercourse
- Delineated Intermittent Watercourse
- Delineated Perennial Watercourse
- Field Delineated Wetland Boundary Outline
- Field Delineated Wetland
- Priority Resource Area
- Open Water
- FEMA 100-Year Flood Zone
- FEMA Floodway
- NHDES Protected Shoreland
- Railroad
- Fence
- Stone Wall
- GAS- Approximate Gas Line
- Culvert
- Gate
- Well



Map Notes:
Coordinate System: NAD 1983 StatePlane New Hampshire FIPS 2800 Feet
Data source: Eversource easement lines, structures, transmission lines by Eversource Energy. Wetlands, watercourses and vernal pools delineated by Stantec in May 2022. Additional sources include: FEMA, NH Grant, Basemap: NAIP 2021

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EVERSOURCE ENERGY

W179 Line - Structure Replacement Alteration of Terrain Permitting Set Permitting Map Set

Dummer, NH MAP SHEET 27 of 28

Date: February 14, 2023

Stantec

802-052
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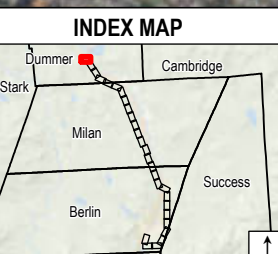


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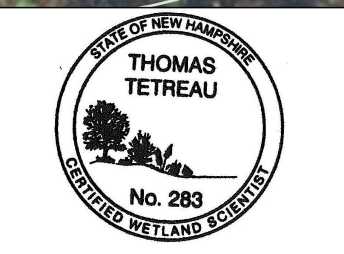
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 0 50 100 200 Feet



EVSOURCE ENERGY

W179 Line - Structure Replacement Alteration of Terrain Permitting Set

Permitting Map Set

Dummer, NH MAP SHEET 28 of 28

Date: February 14, 2023

Stantec

CONSTRUCTION SEQUENCE:

1. WETLAND BOUNDARIES TO BE CLEARLY MARKED PRIOR TO THE START OF CONSTRUCTION.
2. SEDIMENT AND EROSION CONTROL MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH THE DETAIL PROVIDED, AS NECESSARY.
3. WETLAND IMPACTS ASSOCIATED WITH WETLAND CROSSINGS ARE REQUIRED FOR ACCESS BETWEEN STRUCTURES
4. ADEQUATE PRECAUTION SHALL BE EXERCISED TO AVOID SPILLAGE OF FUEL OILS, CHEMICALS, OR SIMILAR SUBSTANCES; NO FUELS, LUBRICANTS, CHEMICALS OR SIMILAR SUBSTANCES SHALL BE STORED BENEATH TREES OR IN THE VICINITY OF ANY WETLANDS, RIVER, STREAM OR OTHER BODY OF WATER; OR IN THE VICINITY OF NATURAL OR MAN-MADE CHANNELS LEADING THERETO. NO POWER EQUIPMENT SHALL BE STORED, MAINTAINED, OR FUELED IN ANY AREA ADJACENT TO A WETLAND, RIVER, STREAM OR OTHER BODY OF WATER.
5. REMOVE COMPLETELY ALL CONTAMINATION FROM ANY SPILLAGE OF CHEMICALS OR PETROLEUM PRODUCT WITH COMPLETE REHABILITATION OF THE AFFECTED AREA.
6. ACCESS ROUTES HAVE BEEN SELECTED TO PREVENT DEGRADATION OF THE RIGHT-OF-WAY AND MINIMIZE ENVIRONMENTAL IMPACT. OPERATIONS SHALL BE CONFINED TO THE SPECIFIED ACCESS ROUTES WITHIN THE PROPOSED WETLAND IMPACT AREA. MATTED ACCESS ROUTES SHALL NOT EXCEED A 16 FOOT-WIDTH, UPLAND ROUTES SHOULD BE APPROXIMATELY 12- FEET WIDE.
7. IMPACT TO VEGETATION WITHIN WETLANDS WILL BE LIMITED TO THE EXTENT NECESSARY TO PLACE THE SWAMP MATS WHERE REQUIRED. NO ADDITIONAL CLEARING IS PERMITTED.
8. LOW GROWING VARIETIES OF VEGETATION ADJACENT TO WETLANDS SHALL BE PRESERVED TO THE EXTENT POSSIBLE. STUMPS AND ROCKS SHALL NOT BE REMOVED, AND THERE SHALL BE NO EXCAVATIONS, FILLS OR GRADING DONE ADJACENT TO WETLANDS, UNLESS MINOR EXCAVATION IS NEEDED FOR ACCESS.
9. TIMBER MATS WILL BE USED ALONG ACCESS ROUTES WITHIN WETLAND AREAS. THESE MATS ARE CONSTRUCTED OF HEAVY TIMBERS OR COMPOSITE MATERIAL, BOLTED TOGETHER, AND ARE PLACED END-TO-END IN THE WETLAND TO SUPPORT HEAVY EQUIPMENT. ALL SWAMP MATS SHALL BE PLACED AND REMOVED SO AS NOT TO CAUSE ANY RUTS, CHANNELS OR DEPRESSIONS, OR OTHERWISE CAUSE ANY UNDUE DISTURBANCE TO WETLANDS.
10. IF TIMBER MAT BMP IS NOT SUFFICIENT DUE TO HIGH WATER, ADDITIONAL BMP'S MAY INCLUDE THE PLACEMENT OF GEOTEXTILE FABRIC UNDER MATS OR USING A LAYER OF RUNNER MATS TO ELEVATE MATS TO MAINTAIN HYDROLOGIC CONNECTIVITY. ALL MATERIAL WILL BE REMOVED FROM JURISDICTIONAL AREAS AFTER CONSTRUCTION COMPLETION.
11. NO MATERIAL SHALL BE PLACED IN ANY LOCATION OR IN ANY MANNER SO AS TO IMPAIR SURFACE WATER FLOW INTO, THROUGH OR OUT OF ANY WETLAND AREA. NO INSTALLATION SHALL CREATE AN IMPOUNDMENT THAT WILL IMPEDE THE FLOW OF WATER OR CAUSE FLOODING.
12. NO MATERIAL SHALL BE TAKEN FROM THE WETLANDS AREA EXCEPT THAT WHICH MUST NECESSARILY BE REMOVED FOR THE STRUCTURE INSTALLATION. ALL EXCESS MATERIAL TAKEN FROM THE WETLAND WILL BE REMOVED FROM THE SITE AND DISPOSED IN UPLAND.
13. ANY PROPOSED SUPPORT FILLS SHALL BE CLEAN GRAVEL AND STONE, FREE OF WASTE METAL PRODUCTS, ORGANIC MATERIALS AND SIMILAR DEBRIS AND SHALL NOT EXCEED THE AMOUNT PERMITTED. THIS ALLOWABLE FILL IS THE ONLY FILL THAT MAY REMAIN IN THE WETLAND AFTER CONSTRUCTION. ALL CUT AND FILLS SLOPES SHALL BE SEEDED/LOAMED WITHIN 72 HOURS OF ACHIEVING FINISHED GRADE. IMPORTATION OF COMMERCIAL LOAM IS PROHIBITED.
14. INSTALL NEW POLES IN THE LOCATIONS DESIGNATED ON THE PERMITTING PLANS.
15. CABLE INSTALLATION WILL BE PERFORMED IN A MANNER SO AS TO AVOID, OR LIMIT TO THE MAXIMUM EXTENT POSSIBLE, TRAVERSING WETLANDS WITH HEAVY EQUIPMENT. IN SOME CASES, A HELICOPTER MAY BE USED DURING THE INSTALLATION TO MINIMIZE IMPACTS.
16. ALL SWAMP MATS, MATERIAL, AND DEBRIS WILL BE REMOVED FROM THE WORK AREA UPON THE COMPLETION OF CONSTRUCTION.
17. UPLAND DISTURBED AREAS SHALL BE RESTORED AND STABILIZED UPON COMPLETION OF CONSTRUCTION. WORK PAD RESTORATION SHOULD INCLUDE REDUCING THE WORK PAD TO A 30 BY 60 FOOT AREA, AND REDUCING SLOPES TO A MAXIMUM OF 25%. STOCKPILED MATERIAL SHOULD BE SPREAD TO REDUCE ANY UNNECESSARY SLOPES. GRAVEL WORK PADS AND SLOPES SHOULD BE SCARIFIED TO A MINIMUM OF 3" BEFORE SPREADING TOPSOIL/LOAM.
18. ALL TEMPORARY WETLAND IMPACTS WILL BE RE-GRADED TO ORIGINAL CONTOURS FOLLOWING CONSTRUCTION, IF NEEDED. NEW ENGLAND EROSION CONTROL/RESTORATION MIX, OR EQUIVALENT SEED MIX SHALL BE APPLIED IN WETLAND AREAS THAT ARE NOT INUNDATED, AS NECESSARY.
19. SEDIMENT AND EROSION CONTROL MEASURES WILL BE EVALUATED AND REMOVED IF NECESSARY UPON THE COMPLETION OF CONSTRUCTION.
20. COMMERCIAL LOAM WILL NOT BE USED AS PART OF RESTORATION. ONLY IN-SITU TOPSOIL WILL BE USED TO RESTORE DISTURBED AREAS.
21. WHERE PEATLANDS ARE MAPPED ADJACENT TO THE ROW, THE ASSOCIATED WETLANDS WITHIN THE ROW SHALL BE TREATED AS A PEATLAND AND PRIORITY RESOURCE AREA. ELEVATED MATTING SHALL BE USED AS NECESSARY TO PREVENT EXCESSIVE GROUND DISTURBANCE WITHIN THESE AREAS.

WINTER CONSTRUCTION NOTES

1. PROPOSED VEGETATED AREAS WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCTOBER 15TH, OR WHICH ARE DISTURBED AFTER OCTOBER 15TH, SHALL BE STABILIZED. STABILIZATION METHODS SHALL INCLUDE SEEDING AND MULCH, AND INSTALLATION OF EROSION CONTROL BLANKETS ON SLOPES GREATER THAN 3:1, AND SEEDING AND PLACING 3 TO 4 TONS OF MULCH PER ACRE, SECURED WITH ANCHORED NETTING, ELSEWHERE. THE INSTALLATION OF EROSION CONTROL BLANKETS OR MULCH AND NETTING SHALL NOT OCCUR OVER ACCUMULATED SNOW OR FROZEN GROUND AND SHALL BE COMPLETED IN ADVANCE OF THAW OR SPRING MELT EVENTS
2. DITCHES OR SWALES WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCTOBER 15TH, OR WHICH ARE DISTURBED AFTER OCTOBER 15TH, SHALL BE TEMPORARILY STABILIZED WITH STONE OR EROSION CONTROL BLANKETS APPROPRIATE FOR THE DESIGN FLOW CONDITIONS.

3. AFTER NOVEMBER 15TH, INCOMPLETE ROAD OR PARKING SURFACES, WHERE WORK HAS STOPPED FOR THE WINTER SEASON, SHALL BE PROTECTED WITH A MINIMUM OF 3 INCHES OF CRUSHED GRAVEL (NHDOT 304.3).

GENERAL NOTES:

OWNER: PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE d/b/a EVERSOURCE ENERGY
 13 LEGENDS DRIVE
 HOOKSETT, NH 03106

1. BASE PLAN PROVIDED BY EVERSOURCE ENERGY. STANTEC PROVIDED THE WETLAND DATA. EVERSOURCE ENERGY PROVIDED THE UTILITY DESIGN.
2. JURISDICTIONAL WETLANDS WERE DELINEATED BY STANTEC IN 2021. WETLANDS WERE DELINEATED IN ACCORDANCE WITH THE 1987 U.S. ARMY CORPS OF ENGINEERS' "WETLANDS DELINEATION MANUAL, TECHNICAL REPORT Y-87-1," AND REGIONAL SUPPLEMENT TO THE CORPS OF ENGINEERS WETLAND DELINEATION MANUAL: NORTH CENTRAL AND NORTHEAST REGION," JANUARY 2012.
3. SITE PLAN IS FOR PERMITTING PURPOSES ONLY AND DOES NOT REPRESENT A PROPERTY BOUNDARY SURVEY.
4. THE PROJECT WILL BE MANAGED IN A MANNER THAT MEETS THE REQUIREMENTS AND INTENT OF RSA 430:53 AND CHAPTER AGR 3800 RELATIVE TO INVASIVE SPECIES.
5. IN ACCORANCE WITH ENV-WQ 1505.02, THE SMALLEST PRACTICAL AREA SHALL BE DISTURBED DURING CONSTRUCTION, BUT IN NO CASE SHALL EXCEED 5 ACRES AT ANY ONE TIME BEFORE DISTURBED AREAS ARE STABILIZED. AN AREA SHALL BE CONSIDERED STABLE IF ONE OF THE FOLLOWING HAS OCCURRED:
 - A MINIMUM 85 PERCENT VEGETATED GROWTH HAS BEEN ESTABLISHED
 - A MINIMUM OF 3 INCHES OF NON-EROSIVE MATERIAL HAS BEEN INSTALLED
 - OR, EROSION CONTROL BLANKETS HAVE BEEN PROPERLY INSTALLED.
6. IN THE EVENT THAT A RARE OR THREATENED SPECIES IS OBSERVED, THE NEW HAMPSHIRE FISH AND GAME AND NEW HAMPSHIRE NATURAL HERITAGE BUREAU (NHB) WILL BE NOTIFIED.

EROSION CONTROL NOTES:

1. INSTALLATION OF EROSION CONTROL GRINDINGS AND/OR SILT FENCES SHALL BE COMPLETE PRIOR TO THE START OF WORK IN ANY GIVEN AREA. EROSION CONTROLS SHALL BE USED DURING CONSTRUCTION AND REMOVED WHEN ALL SLOPES HAVE A HEALTHY STAND OF VEGETATION COVER. EROSION CONTROL MEASURES SHALL BE INSPECTED ON A WEEKLY BASIS AND AFTER .25" OR GREATER RAINFALL EVENTS.
2. AS REQUIRED, CONSTRUCT TEMPORARY BERMS, SILTATION FENCES, SEDIMENT TRAPS, ETC. TO PREVENT EROSION & SEDIMENTATION OF WETLANDS.
3. THE WORK AREA SHALL BE GRADED AND OTHERWISE SHAPED IN SUCH A MANNER AS TO MINIMIZE SOIL EROSION, SILTATION OF DRAINAGE CHANNELS, DAMAGE TO EXISTING VEGETATION, AND DAMAGE TO PROPERTY OUTSIDE LIMITS OF THE WORK AREA. EROSION CONTROL GRINDINGS WILL BE NECESSARY TO ACCOMPLISH THIS END.
4. ANY STRIPPED TOPSOIL SHALL BE STOCKPILED, WITHOUT COMPACTION, AND STABILIZED WITH BMPS.
5. PERMANENT OR TEMPORARY COVER MUST BE IN PLACE BEFORE THE GROWING SEASON ENDS. WHEN SEEDED AREAS ARE NOT MULCHED, PLANTINGS SHOULD BE MADE FROM EARLY SPRING TO MAY 20 OR FROM AUGUST 15 TO SEPTEMBER 15. NO DISTURBED AREA SHALL BE LEFT EXPOSED DURING WINTER MONTHS, PLANT ANNUAL RYEGRASS PRIOR TO OCTOBER 15TH.
6. EROSION CONTROLS SHALL BE INSPECTED WEEKLY AND AFTER EVERY HALF-INCH OF RAINFALL.
7. EROSION CONTROL MATTING, IF REQUIRED, WILL CONSIST OF JUTE MATTING. MATTING WITH WELDED PLASTIC OR 'BIODEGRADABLE PLASTIC' NETTING OR THREAD WILL BE AVOIDED TO LIMIT UNINTENTIONAL MORTALITY TO SNAKES OR OTHER SMALL ANIMALS.

**W179 Transmission Line
 Rebuild Project**

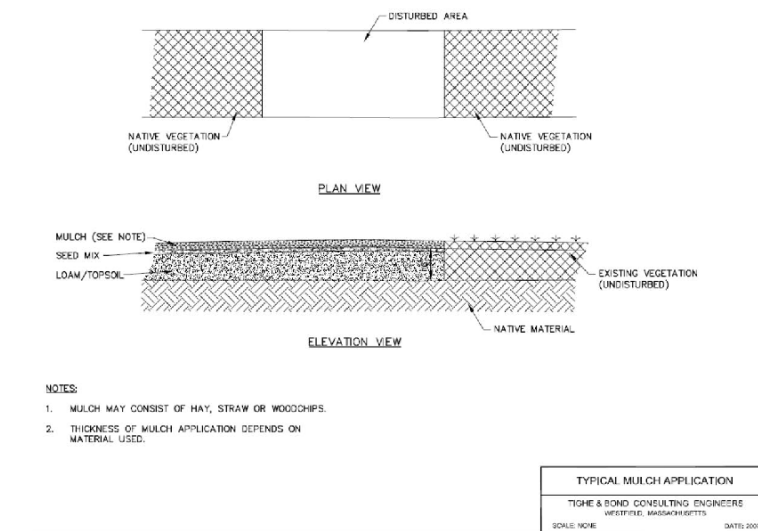
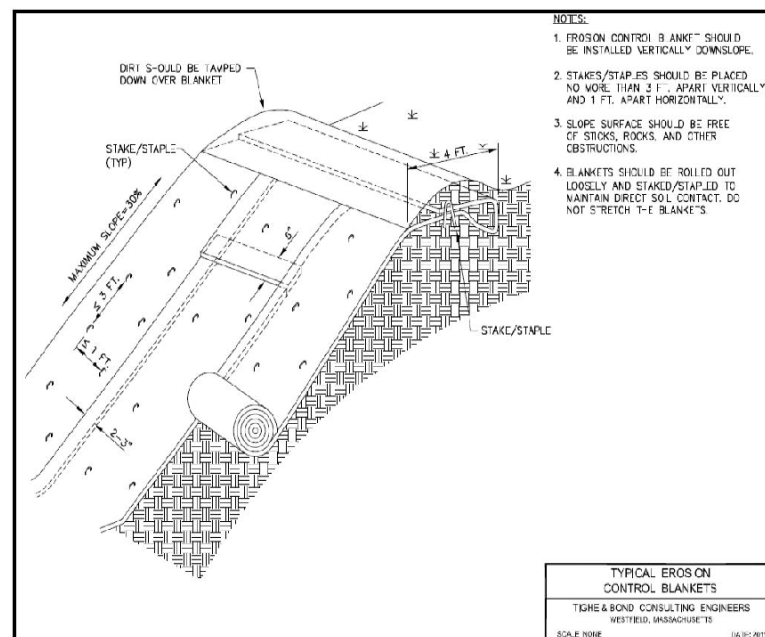
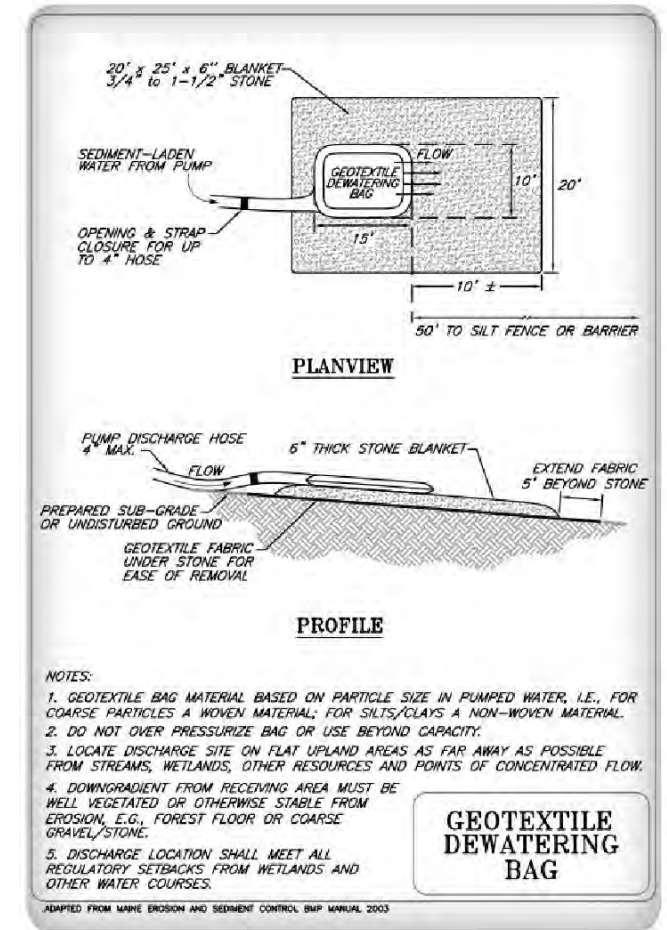
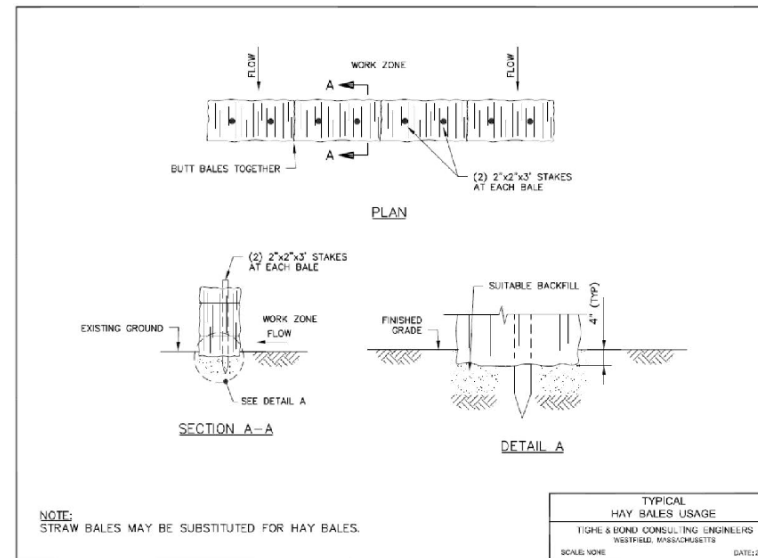
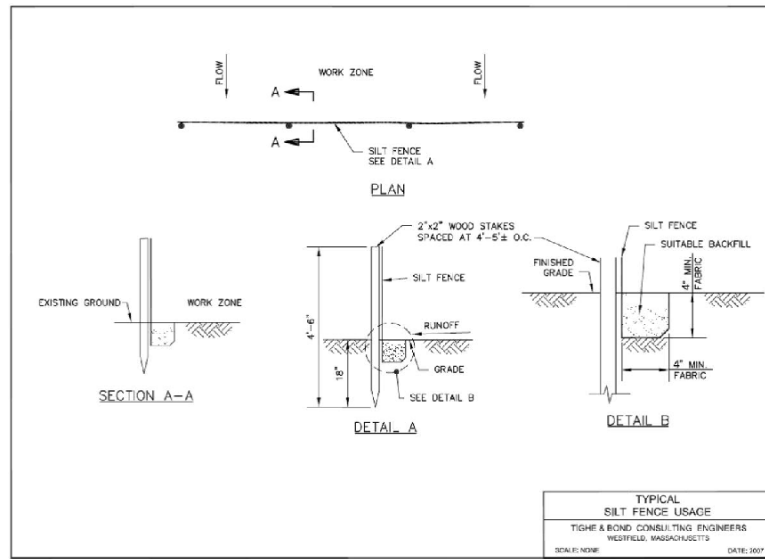
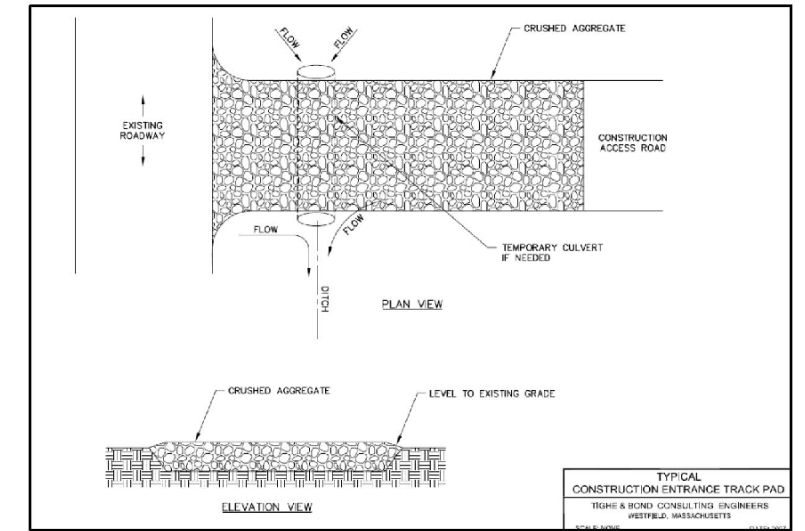
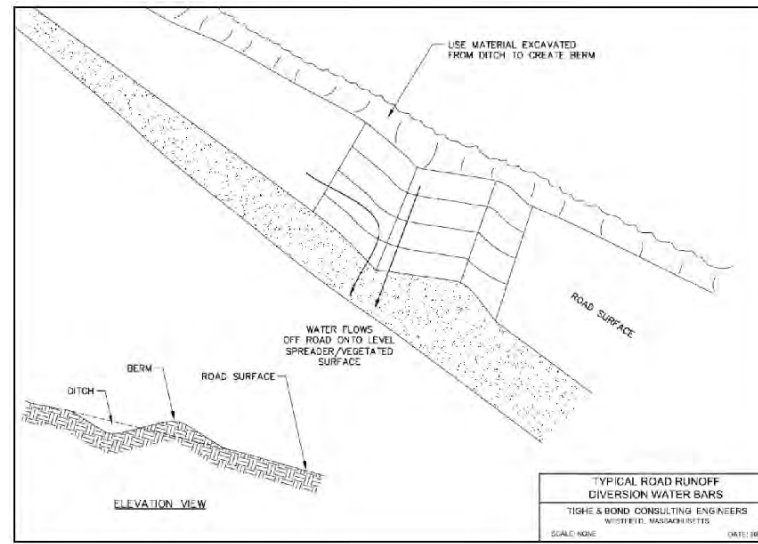
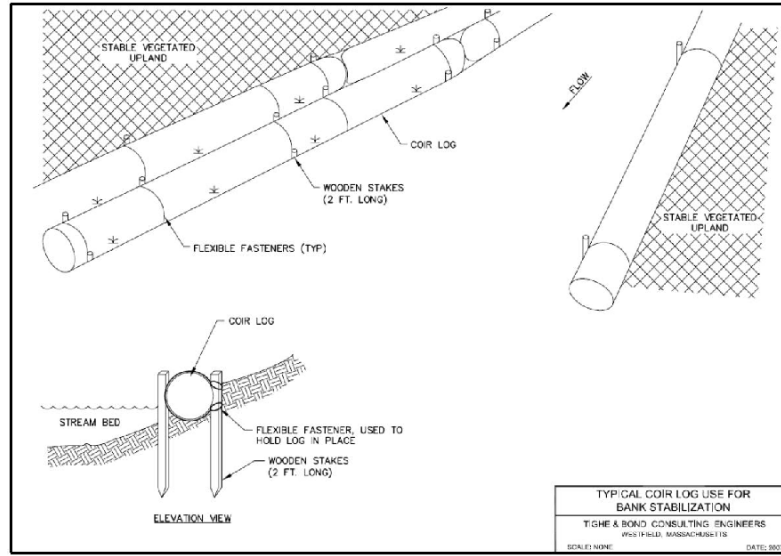
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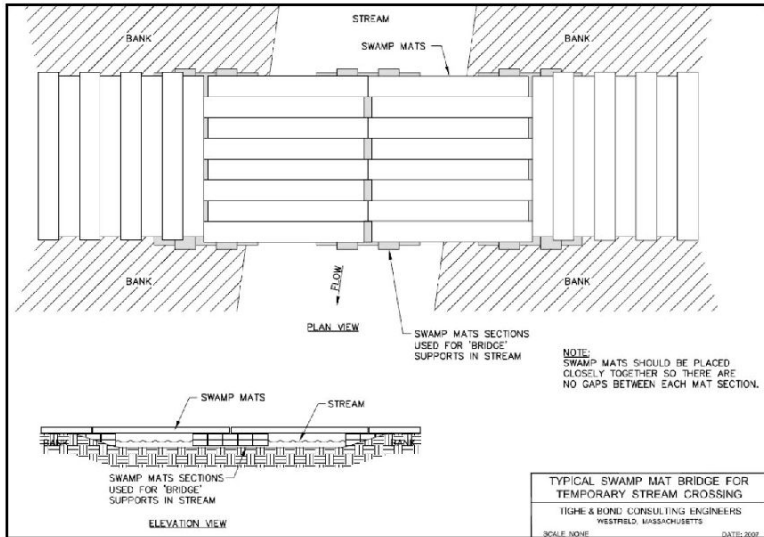
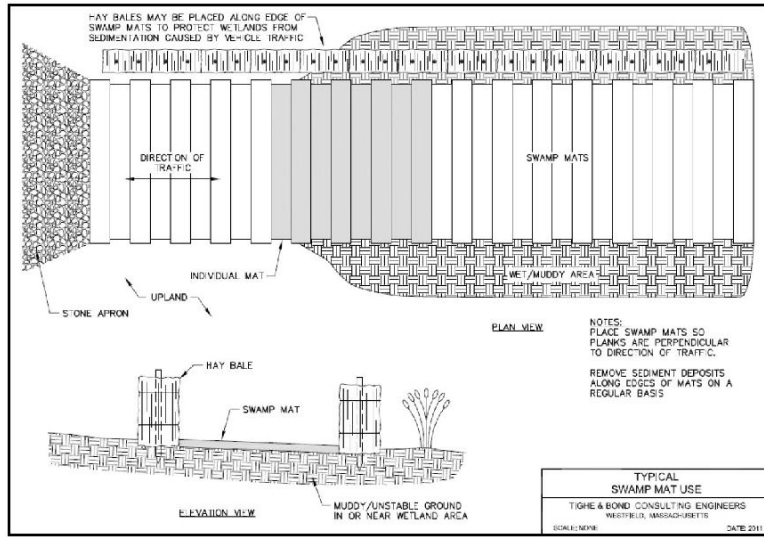
**Berlin, Milan, Dummer, New
 Hampshire**

Notes and Details
Page 1 of 3



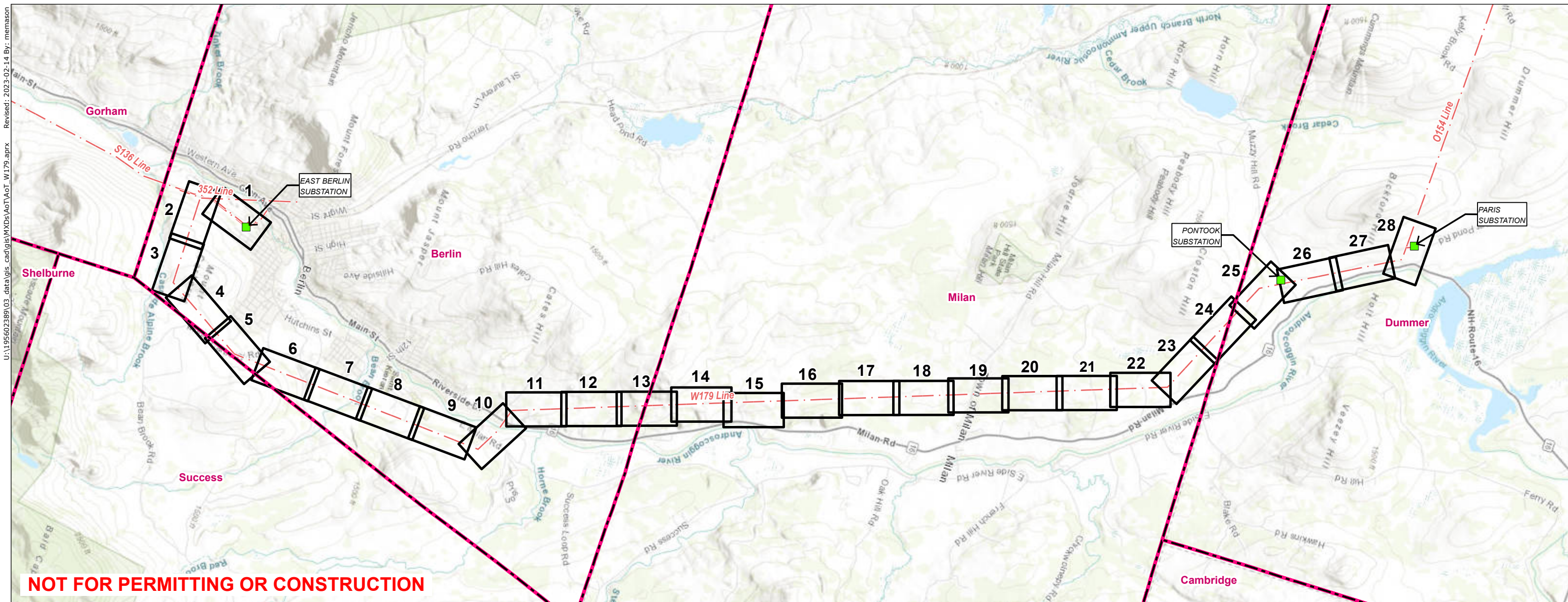
February 13, 2023





W179 Line - Structure Replacement Project

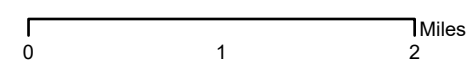
Berlin, Success, Milan, Dummer, NH
 Surface Water and Groundwater Overlay Plans
 Date: February 14, 2023



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NOT FOR PERMITTING OR CONSTRUCTION

- Legend**
- Substation
 - Map Sheet
 - - - Overhead Transmission Line
 - █ Municipal Boundary



INDEX OF FIGURES
 Title Sheet / Index Map
 Map Sheets 1-32
 Notes and Details 1-3

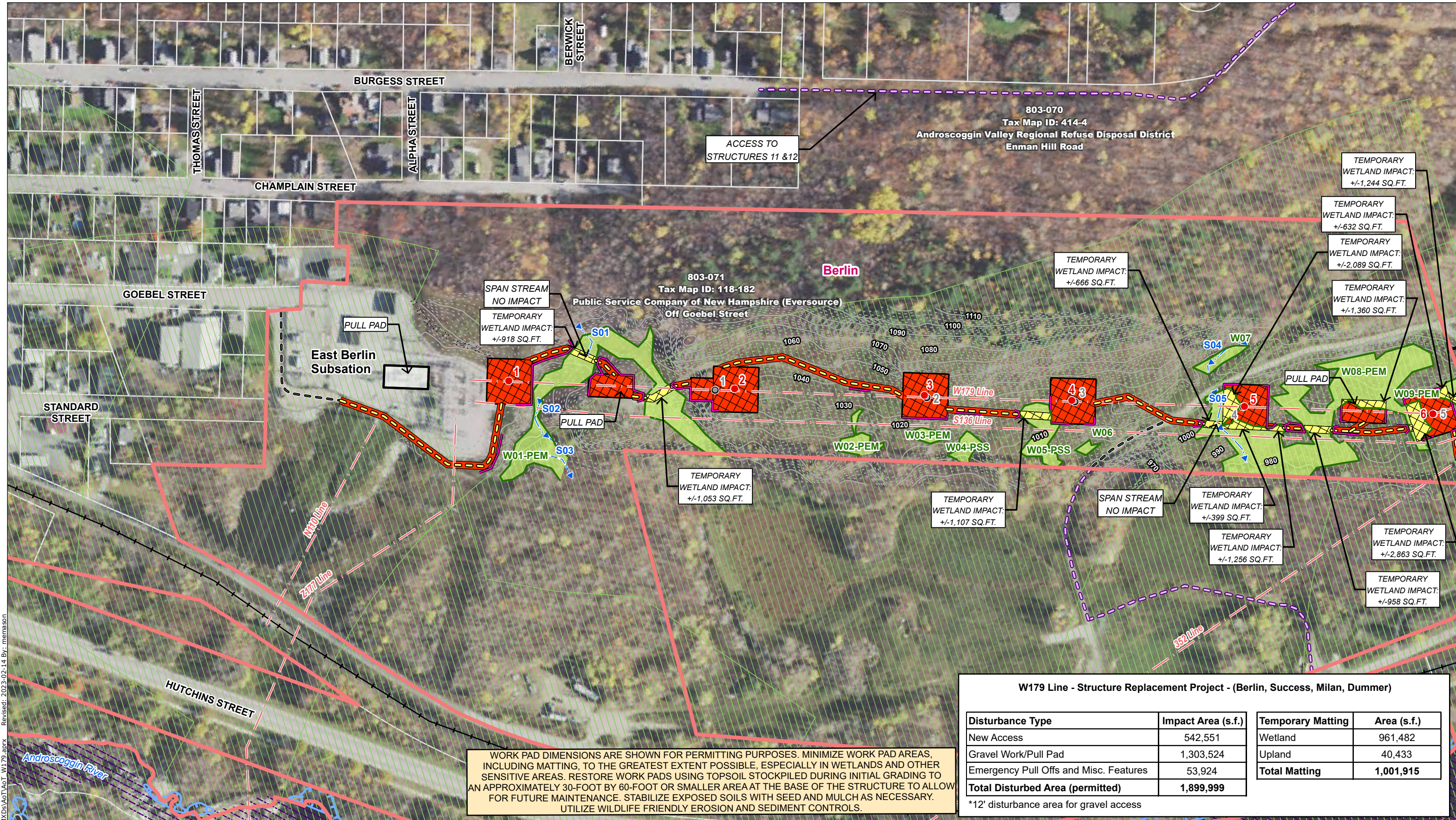
NO.	DATE	REVISIONS

PREPARED FOR:
EVERSOURCE
 ENERGY

107 Selden Street
 Berlin, CT 06037

PREPARED BY:
Stantec

30 Park Drive
 Topsham, ME 04086



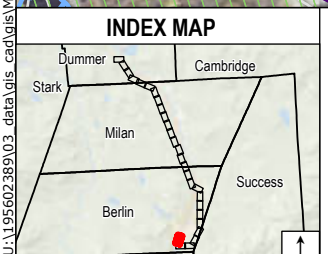
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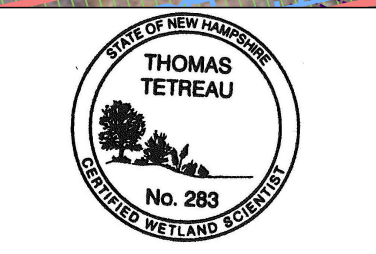


Legend

<ul style="list-style-type: none"> Local Potential Contamination Sources Wellhead Protection Areas Class A Surface Waters RSA 485A9 Coastal and Great Bay Region Communities (none) Designated Rivers Quarter Mile Buffer (none) Groundwater Classification Areas GA1 (none) Groundwater Classification Areas GA2 Groundwater Classification Areas GAA (none) All Lakes with a Quarter Mile Buffer Class A Surface Waters RSA 485A9 Lakes Only Quarter Mile Buffer (none) Outstanding Resource Water Watersheds 	<ul style="list-style-type: none"> Surface Waters with Impairments 2016 with Quarter Mile Buffer Water Supply Intake Protection Areas Watersheds with Chloride Impairments 2016 (none) Proposed Structure Existing Structure Existing Structure to be Removed Existing Structure to Remain Existing Right-Of-Way (ROW) Overhead Transmission Line Approximate Distribution Line Existing Access Off-ROW Access Pending Rights 	<ul style="list-style-type: none"> Suggested Erosion and Sediment Control (TYP) AoT Disturbance Area - Access AoT Disturbance Area - Pad Temporary Construction Matting Stone Work Pad Eversource Owned Property State Owned Property Abutter Number Parcel Boundary Municipal Boundary 2ft Contour 10ft Contour 	<ul style="list-style-type: none"> NHDES Protected Shoreland FEMA 100-Year Flood Zone FEMA Floodway Confirmed Vernal Pool Confirmed Vernal Pool Extent Delineated Ephemeral Watercourse Delineated Intermittent Watercourse Delineated Perennial Watercourse Field Delineated Wetland Boundary Outline Field Delineated Wetland Priority Resource Area Open Water 	<ul style="list-style-type: none"> Approximate Gas Line Railroad Fence Stone Wall Well Culvert Gate
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Map Notes:
 Coordinate System: NAD 1983 StatePlane New Hampshire FIPS 2800 Feet
 Data source: Eversource easement lines, structures, transmission lines by Eversource Energy. Wetlands, watercourses and vernal pools delineated by Stantec in May 2022. Additional sources include: FEMA, NH Grant.
 Basemap: NAIP 2021

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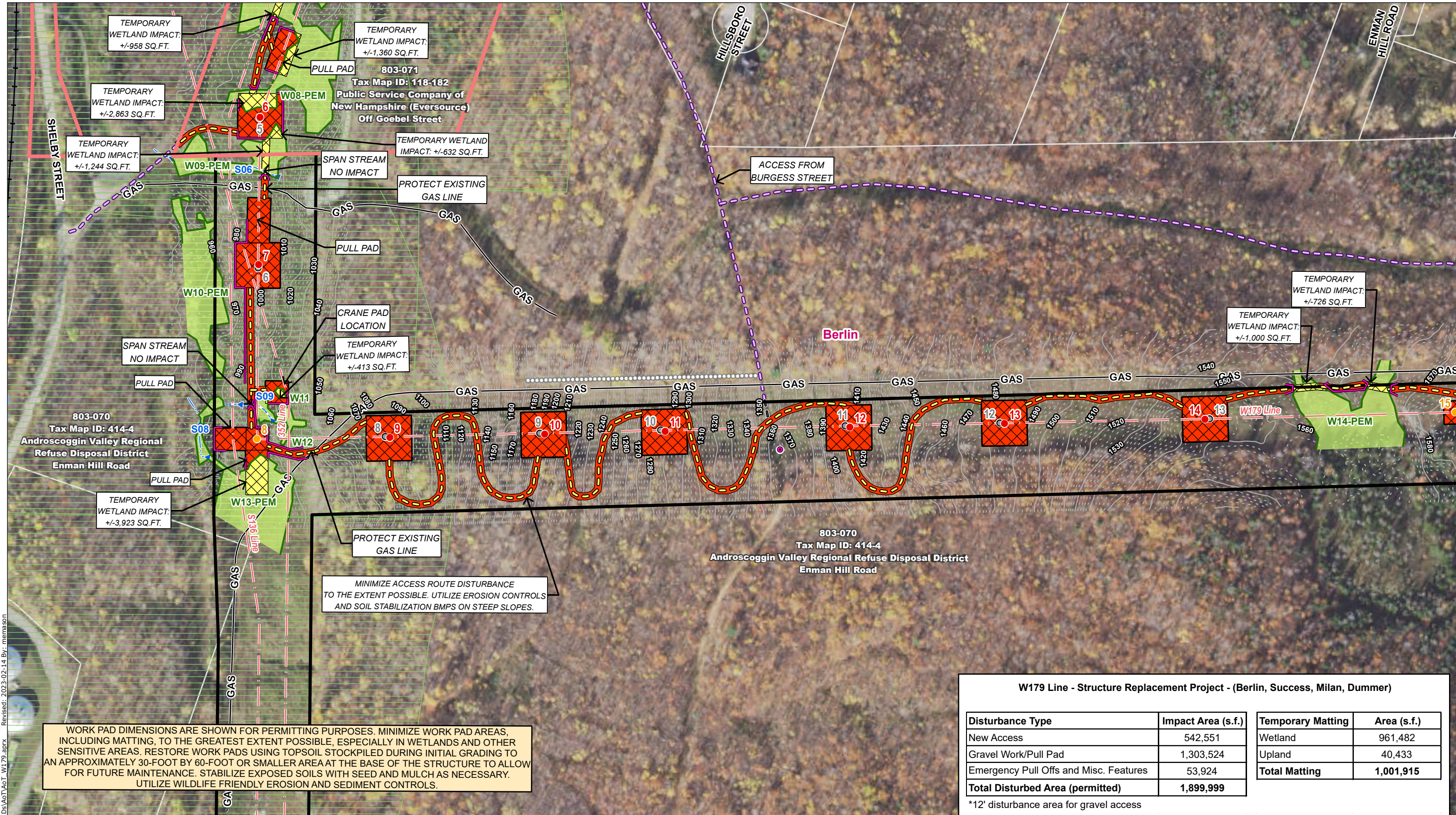
EVERSOURCE ENERGY

W179 Line - Structure Replacement Alteration of Terrain Permitting Set Surface Water and Groundwater Overlay Plans

Berlin, NH MAP SHEET 1 of 28

Date: February 14, 2023

Stantec



WORK PAD DIMENSIONS ARE SHOWN FOR PERMITTING PURPOSES. MINIMIZE WORK PAD AREAS, INCLUDING MATTING, TO THE GREATEST EXTENT POSSIBLE, ESPECIALLY IN WETLANDS AND OTHER SENSITIVE AREAS. RESTORE WORK PADS USING TOPSOIL STOCKPILED DURING INITIAL GRADING TO AN APPROXIMATELY 30-FOOT BY 60-FOOT OR SMALLER AREA AT THE BASE OF THE STRUCTURE TO ALLOW FOR FUTURE MAINTENANCE. STABILIZE EXPOSED SOILS WITH SEED AND MULCH AS NECESSARY. UTILIZE WILDLIFE FRIENDLY EROSION AND SEDIMENT CONTROLS.

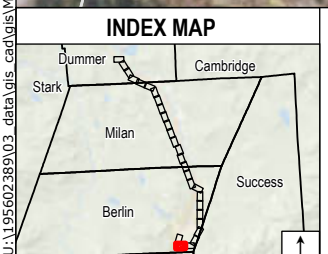
MINIMIZE ACCESS ROUTE DISTURBANCE TO THE EXTENT POSSIBLE. UTILIZE EROSION CONTROLS AND SOIL STABILIZATION BMPs ON STEEP SLOPES.

W179 Line - Structure Replacement Project - (Berlin, Success, Milan, Dummer)

Disturbance Type	Impact Area (s.f.)	Temporary Matting	Area (s.f.)
New Access	542,551	Wetland	961,482
Gravel Work/Pull Pad	1,303,524	Upland	40,433
Emergency Pull Offs and Misc. Features	53,924	Total Matting	1,001,915
Total Disturbed Area (permitted)	1,899,999		

*12' disturbance area for gravel access

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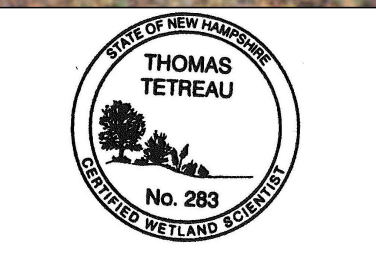


Legend

<ul style="list-style-type: none"> Local Potential Contamination Sources Wellhead Protection Areas Class A Surface Waters RSA 485A9 Coastal and Great Bay Region Communities (none) Designated Rivers Quarter Mile Buffer (none) Groundwater Classification Areas GA1 (none) Groundwater Classification Areas GA2 Groundwater Classification Areas GAA (none) All Lakes with a Quarter Mile Buffer Class A Surface Waters RSA 485A9 Lakes Only Quarter Mile Buffer (none) Outstanding Resource Water Watersheds 	<ul style="list-style-type: none"> Surface Waters with Impairments 2016 with Quarter Mile Buffer Water Supply Intake Protection Areas Watersheds with Chloride Impairments 2016 Proposed Structure Existing Structure Existing Structure to be Removed Existing Structure to Remain Existing Right-Of-Way (ROW) Overhead Transmission Line Approximate Distribution Line Existing Access Off-ROW Access Pending Rights 	<ul style="list-style-type: none"> Suggested Erosion and Sediment Control (TYP) AoT Disturbance Area - Access AoT Disturbance Area - Pad Temporary Construction Matting Stone Work Pad Eversource Owned Property State Owned Property Abutter Number Parcel Boundary Municipal Boundary 2ft Contour 10ft Contour 	<ul style="list-style-type: none"> NHDES Protected Shoreland FEMA 100-Year Flood Zone FEMA Floodway Confirmed Vernal Pool Confirmed Vernal Pool Extent Delineated Ephemeral Watercourse Delineated Intermittent Watercourse Delineated Perennial Watercourse Field Delineated Wetland Boundary Outline Field Delineated Wetland Priority Resource Area Open Water 	<ul style="list-style-type: none"> -GAS Approximate Gas Line Railroad Fence Stone Wall Well Culvert Gate
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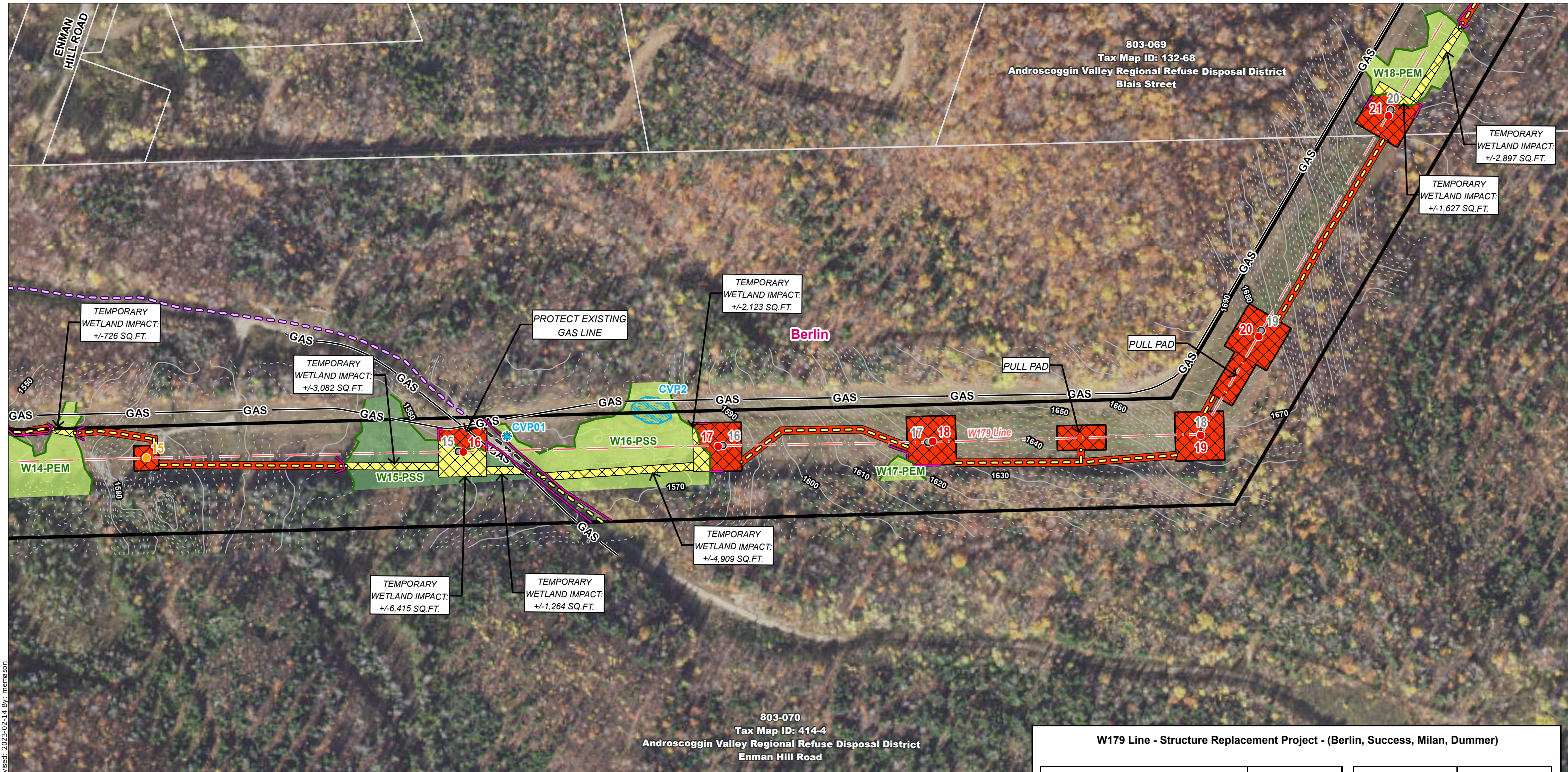
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EVSOURCE ENERGY

**W179 Line - Structure Replacement
 Alteration of Terrain Permitting Set
 Surface Water and Groundwater Overlay Plans**

Berlin, NH	MAP SHEET 2 of 28
Date: February 14, 2023	

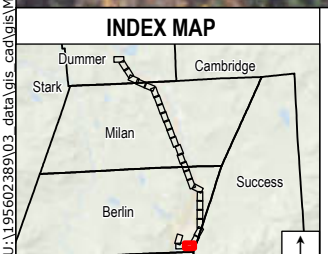


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W179 Line - Structure Replacement Project - (Berlin, Success, Milan, Dummer)

Disturbance Type	Impact Area (s.f.)	Temporary Matting	Area (s.f.)
New Access	542,551	Wetland	961,482
Gravel Work/Pull Pad	1,303,524	Upland	40,433
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Total Disturbed Area (permitted)	1,899,999		

*12' disturbance area for gravel access

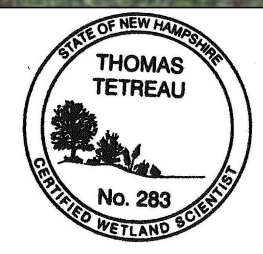


Legend

<ul style="list-style-type: none"> Local Potential Contamination Sources Wellhead Protection Areas Class A Surface Waters RSA 485A9 Coastal and Great Bay Region Communities (none) Designated Rivers Quarter Mile Buffer (none) Groundwater Classification Areas GA1 (none) Groundwater Classification Areas GA2 Groundwater Classification Areas GAA (none) All Lakes with a Quarter Mile Buffer Class A Surface Waters RSA 485A9 Lakes Only Quarter Mile Buffer (none) Outstanding Resource Water Watersheds 	<ul style="list-style-type: none"> Surface Waters with Impairments 2016 with Quarter Mile Buffer Water Supply Intake Protection Areas Watersheds with Chloride Impairments 2016 Proposed Structure Existing Structure Existing Structure to be Removed Existing Structure to Remain Existing Right-Of-Way (ROW) Overhead Transmission Line Approximate Distribution Line Existing Access Off-ROW Access Pending Rights 	<ul style="list-style-type: none"> Suggested Erosion and Sediment Control (TYP) AoT Disturbance Area - Access AoT Disturbance Area - Pad Temporary Construction Matting Stone Work Pad Eversource Owned Property State Owned Property Abutter Number Parcel Boundary Municipal Boundary 10ft Contour 	<ul style="list-style-type: none"> NHDES Protected Shoreland FEMA 100-Year Flood Zone FEMA Floodway Confirmed Vernal Pool Confirmed Vernal Pool Extent Delineated Ephemeral Watercourse Delineated Intermittent Watercourse Delineated Perennial Watercourse Field Delineated Wetland Boundary Outline Field Delineated Wetland Priority Resource Area Open Water 	<ul style="list-style-type: none"> -GAS Approximate Gas Line Railroad Fence Stone Wall Well Culvert Gate
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EVERSOURCE ENERGY

**W179 Line - Structure Replacement
Alteration of Terrain Permitting Set
Surface Water and Groundwater Overlay Plans**

Berlin, NH	MAP SHEET 3 of 28
Date: February 14, 2023	

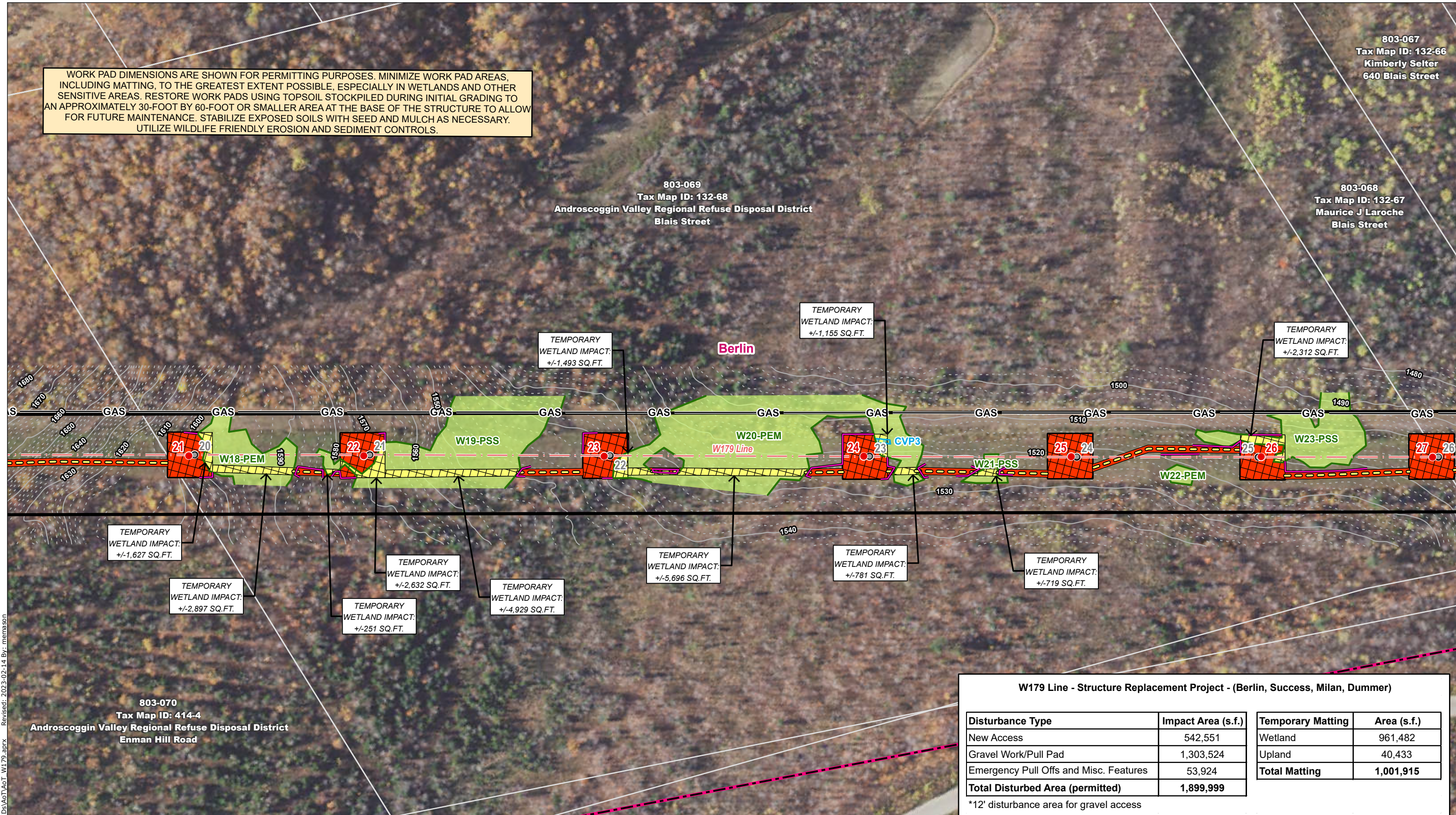
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803-067
Tax Map ID: 132-66
Kimberly Selter
640 Blais Street

803-069
Tax Map ID: 132-68
Androscoggin Valley Regional Refuse Disposal District
Blais Street

803-068
Tax Map ID: 132-67
Maurice J Laroche
Blais Street



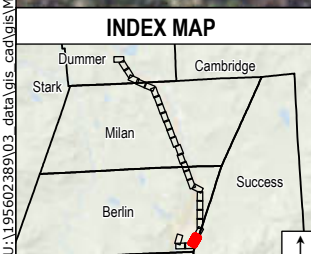
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803-070
Tax Map ID: 414-4
Androscoggin Valley Regional Refuse Disposal District
Enman Hill Road

W179 Line - Structure Replacement Project - (Berlin, Success, Milan, Dummer)

Disturbance Type	Impact Area (s.f.)	Temporary Matting	Area (s.f.)
New Access	542,551	Wetland	961,482
Gravel Work/Pull Pad	1,303,524	Upland	40,433
Emergency Pull Offs and Misc. Features	53,924	Total Matting	1,001,915
Total Disturbed Area (permitted)	1,899,999		

*12' disturbance area for gravel access



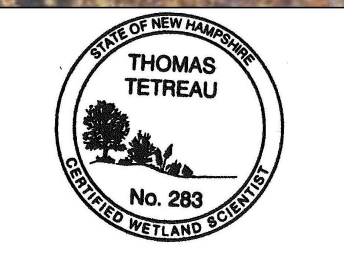
Legend

- Local Potential Contamination Sources
- Wellhead Protection Areas
- Class A Surface Waters RSA 485A9
- Coastal and Great Bay Region Communities (none)
- Designated Rivers Quarter Mile Buffer (none)
- Groundwater Classification Areas GA1 (none)
- Groundwater Classification Areas GA2
- Groundwater Classification Areas GAA (none)
- All Lakes with a Quarter Mile Buffer
- Class A Surface Waters RSA 485A9 Lakes Only
- Quarter Mile Buffer (none)
- Outstanding Resource Water Watersheds
- Surface Waters with Impairments 2016 with Quarter Mile Buffer
- Water Supply Intake Protection Areas
- Watersheds with Chloride Impairments 2016 (none)
- Proposed Structure
- Existing Structure
- Existing Structure to be Removed
- Existing Structure to Remain
- Existing Right-Of-Way (ROW)
- Overhead Transmission Line
- Approximate Distribution Line
- Existing Access
- Off-ROW Access Pending Rights
- Suggested Erosion and Sediment Control (TYP)
- AoT Disturbance Area - Access
- AoT Disturbance Area - Pad
- Temporary Construction Matting
- Stone Work Pad
- Eversource Owned Property
- State Owned Property
- Abutter Number
- Parcel Boundary
- Municipal Boundary
- Existing Access
- 10ft Contour
- NHDES Protected Shoreland
- FEMA 100-Year Flood Zone
- FEMA Floodway
- Confirmed Vernal Pool
- Confirmed Vernal Pool Extent
- Delineated Ephemeral Watercourse
- Delineated Intermittent Watercourse
- Delineated Perennial Watercourse
- Field Delineated Wetland Boundary Outline
- Field Delineated Wetland
- Priority Resource Area
- Open Water
- Approximate Gas Line
- Railroad
- Fence
- Stone Wall
- Well
- Culvert
- Gate

Map Notes:
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Basemap: NAIP 2021

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1 inch = 200 feet



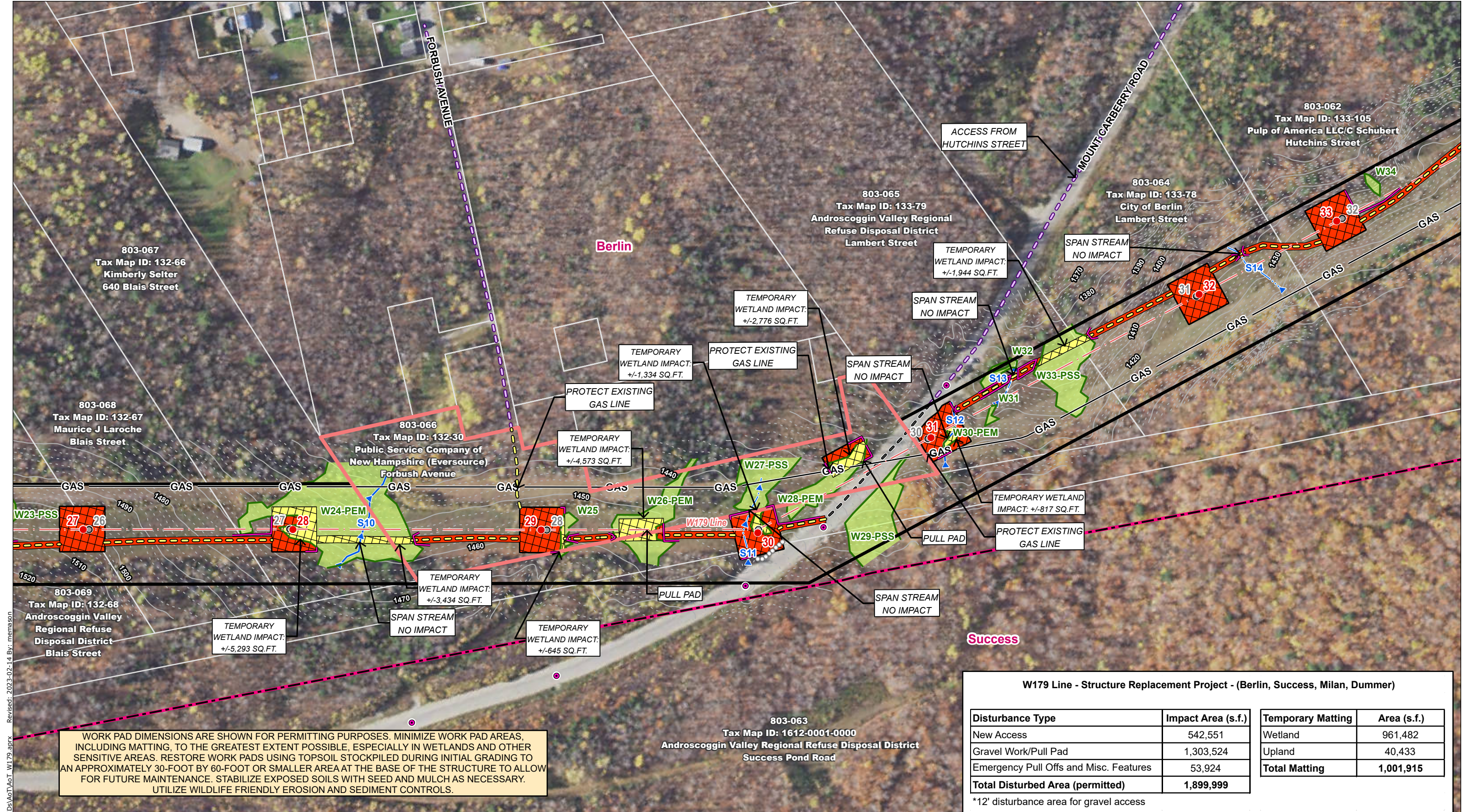
EVSOURCE ENERGY

W179 Line - Structure Replacement Alteration of Terrain Permitting Set Surface Water and Groundwater Overlay Plans

Berlin, NH MAP SHEET 4 of 28

Date: February 14, 2023

Stantec



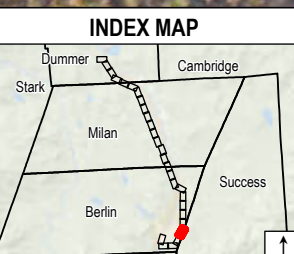
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W179 Line - Structure Replacement Project - (Berlin, Success, Milan, Dummer)

Disturbance Type	Impact Area (s.f.)	Temporary Matting	Area (s.f.)
New Access	542,551	Wetland	961,482
Gravel Work/Pull Pad	1,303,524	Upland	40,433
Emergency Pull Offs and Misc. Features	53,924	Total Matting	1,001,915
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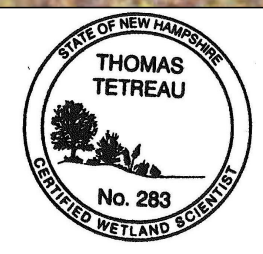


Legend

- Local Potential Contamination Sources
- Wellhead Protection Areas
- Class A Surface Waters RSA 485A9
- Coastal and Great Bay Region Communities (none)
- Designated Rivers Quarter Mile Buffer (none)
- Groundwater Classification Areas GA1 (none)
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- Suggested Erosion and Sediment Control (TYP)
- AoT Disturbance Area - Access
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- Stone Work Pad
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- NHDES Protected Shoreland
- FEMA 100-Year Flood Zone
- FEMA Floodway
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- Confirmed Vernal Pool Extent
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- Delineated Intermittent Watercourse
- Delineated Perennial Watercourse
- Field Delineated Wetland Boundary Outline
- Field Delineated Wetland
- Priority Resource Area
- Open Water
- Approximate Gas Line
- Railroad
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- Well
- Culvert
- Gate

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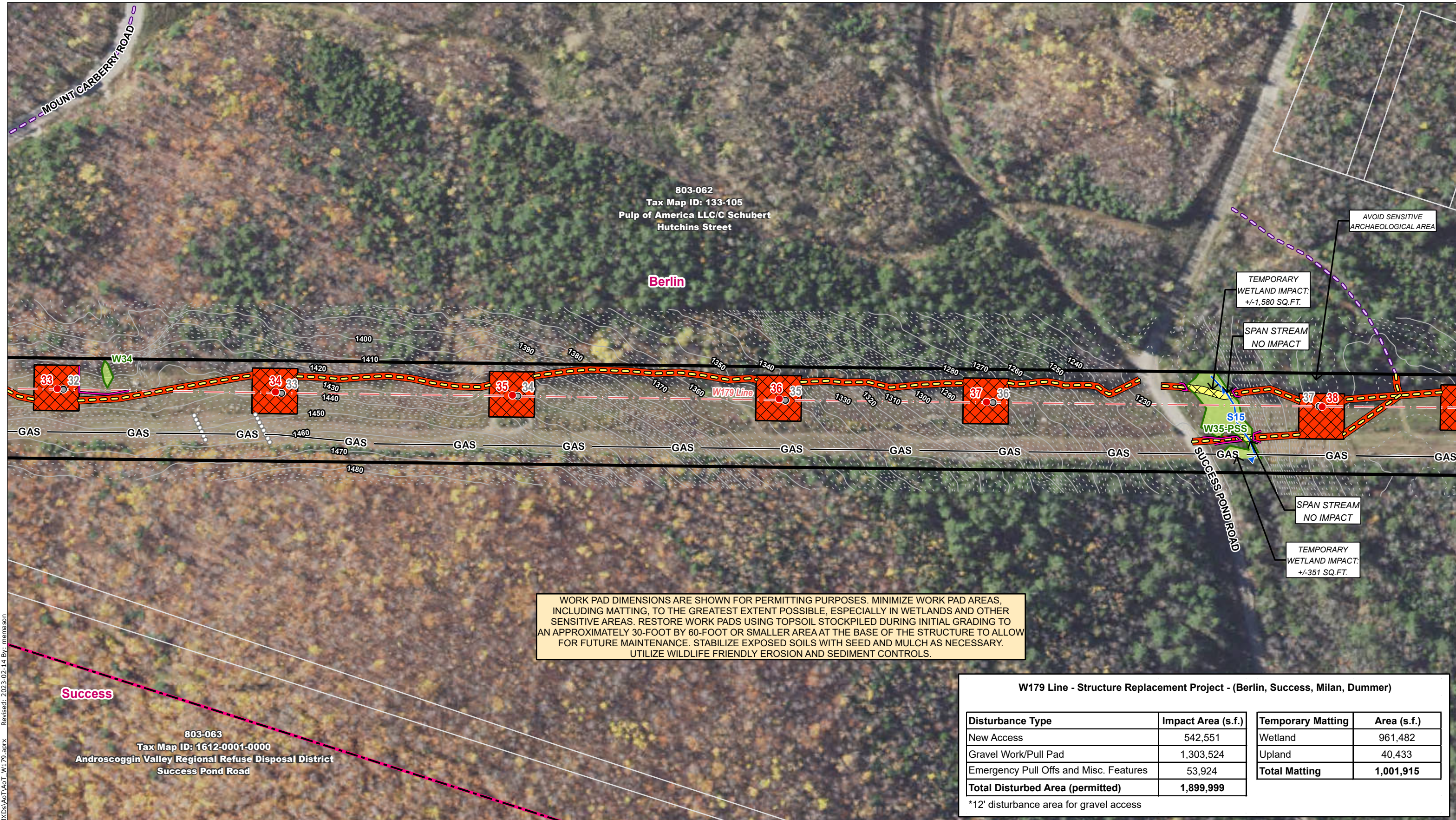
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EVERSOURCE ENERGY

**W179 Line - Structure Replacement
Alteration of Terrain Permitting Set
Surface Water and Groundwater Overlay Plans**

Berlin, NH	MAP SHEET 5 of 28
Date: February 14, 2023	



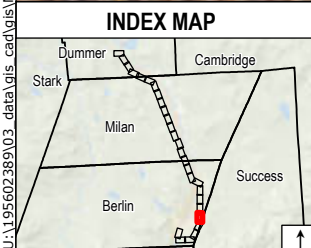
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W179 Line - Structure Replacement Project - (Berlin, Success, Milan, Dummer)

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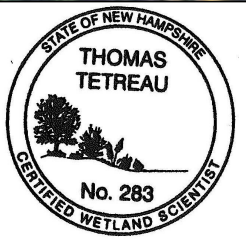


Legend

<ul style="list-style-type: none"> Local Potential Contamination Sources Wellhead Protection Areas Class A Surface Waters RSA 485A9 Coastal and Great Bay Region Communities (none) Designated Rivers Quartermile Buffer (none) Groundwater Classification Areas GA1 (none) Groundwater Classification Areas GA2 Groundwater Classification Areas GAA (none) All Lakes with a Quarter Mile Buffer Class A Surface Waters RSA 485A9 Lakes Only Quarter Mile Buffer (none) Outstanding Resource Water Watersheds 	<ul style="list-style-type: none"> Surface Waters with Impairments 2016 with Quarter Mile Buffer Water Supply Intake Protection Areas Watersheds with Chloride Impairments 2016 Proposed Structure Existing Structure Existing Structure to be Removed Existing Structure to Remain Existing Right-Of-Way (ROW) Overhead Transmission Line Approximate Distribution Line Existing Access Off-ROW Access Pending Rights 	<ul style="list-style-type: none"> Suggested Erosion and Sediment Control (TYP) AoT Disturbance Area - Access AoT Disturbance Area - Pad Temporary Construction Matting Stone Work Pad Eversource Owned Property State Owned Property Abutter Number Parcel Boundary Municipal Boundary Existing Access 10ft Contour 	<ul style="list-style-type: none"> NHDES Protected Shoreland FEMA 100-Year Flood Zone FEMA Floodway Confirmed Vernal Pool Confirmed Vernal Pool Extent Delineated Ephemeral Watercourse Delineated Intermittent Watercourse Delineated Perennial Watercourse Field Delineated Wetland Boundary Outline Field Delineated Wetland Priority Resource Area Open Water 	<ul style="list-style-type: none"> -GAS Approximate Gas Line Railroad Fence Stone Wall Well Culvert Gate
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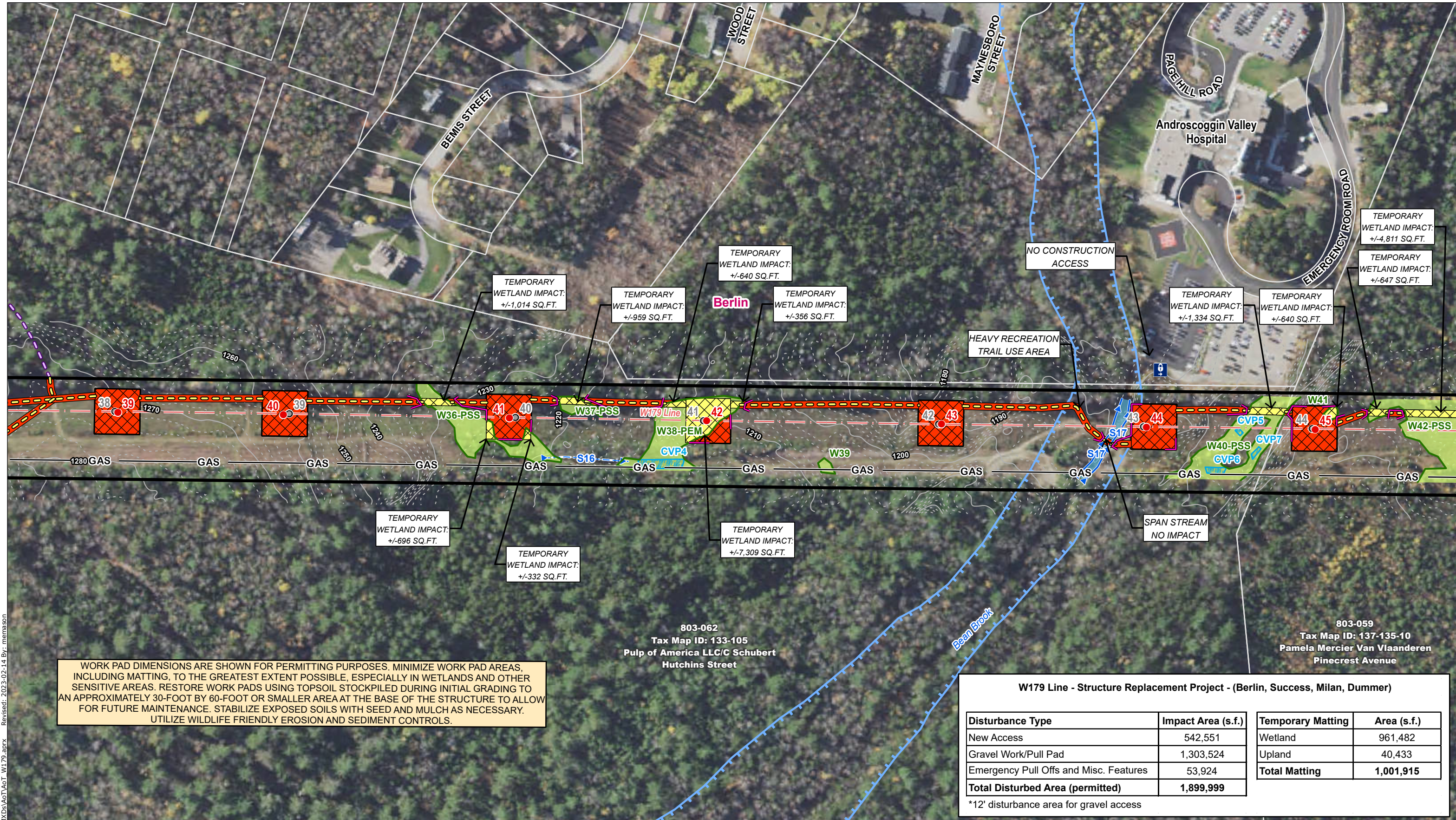
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**W179 Line - Structure Replacement
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Surface Water and Groundwater Overlay Plans**

Berlin, NH	MAP SHEET 6 of 28
Date: February 14, 2023	



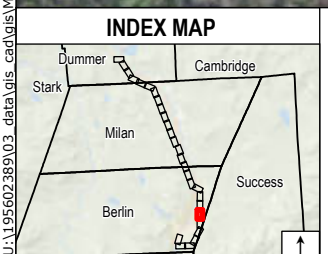
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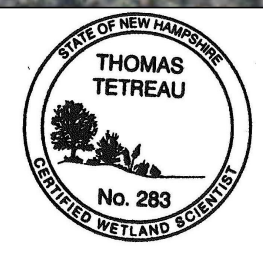


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Map Notes:
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 Basemap: NAIP 2021

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EVERSOURCE ENERGY

**W179 Line - Structure Replacement
Alteration of Terrain Permitting Set
Surface Water and Groundwater Overlay Plans**

Berlin, NH	MAP SHEET 7 of 28
Date: February 14, 2023	

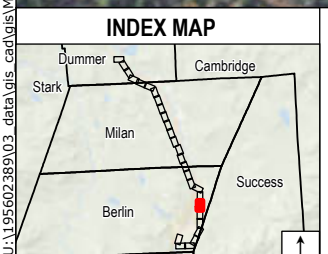


W179 Line - Structure Replacement Project - (Berlin, Success, Milan, Dummer)

Disturbance Type	Impact Area (s.f.)	Temporary Matting	Area (s.f.)
New Access	542,551	Wetland	961,482
Gravel Work/Pull Pad	1,303,524	Upland	40,433
Emergency Pull Offs and Misc. Features	53,924	Total Matting	1,001,915
Total Disturbed Area (permitted)	1,899,999		

*12' disturbance area for gravel access

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Legend

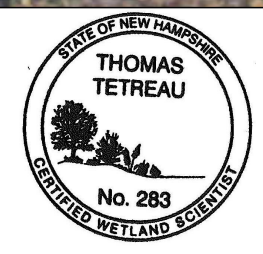
<ul style="list-style-type: none"> Local Potential Contamination Sources Wellhead Protection Areas Class A Surface Waters RSA 485A9 Coastal and Great Bay Region Communities (none) Designated Rivers Quarter Mile Buffer (none) Groundwater Classification Areas GA1 (none) Groundwater Classification Areas GA2 Groundwater Classification Areas GAA (none) All Lakes with a Quarter Mile Buffer Class A Surface Waters RSA 485A9 Lakes Only Quarter Mile Buffer (none) Outstanding Resource Water Watersheds 	<ul style="list-style-type: none"> Surface Waters with Impairments 2016 with Quarter Mile Buffer Water Supply Intake Protection Areas Watersheds with Chloride Impairments 2016 Proposed Structure Existing Structure Existing Structure to be Removed Existing Structure to Remain Existing Right-Of-Way (ROW) Overhead Transmission Line Approximate Distribution Line Existing Access Off-ROW Access Pending Rights 	<ul style="list-style-type: none"> Suggested Erosion and Sediment Control (TYP) AoT Disturbance Area - Access AoT Disturbance Area - Pad Temporary Construction Matting Stone Work Pad Eversource Owned Property State Owned Property Abutter Number Parcel Boundary Municipal Boundary 2ft Contour 10ft Contour 	<ul style="list-style-type: none"> NHDES Protected Shoreland FEMA 100-Year Flood Zone FEMA Floodway Confirmed Vernal Pool Confirmed Vernal Pool Extent Delineated Ephemeral Watercourse Delineated Intermittent Watercourse Delineated Perennial Watercourse Field Delineated Wetland Boundary Outline Field Delineated Wetland Priority Resource Area Open Water 	<ul style="list-style-type: none"> -GAS Approximate Gas Line Railroad Fence Stone Wall Well Culvert Gate
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1 inch = 200 feet

0 50 100 200 Feet



EVERSOURCE ENERGY

**W179 Line - Structure Replacement
Alteration of Terrain Permitting Set
Surface Water and Groundwater Overlay Plans**

Berlin, NH	MAP SHEET 8 of 28
Date: February 14, 2023	

803-056
Tax Map ID: 139-25
Berlin Water Works
85 East Milan Road

803-057
Tax Map ID: 139-27
Barry J Kelley
East Milan Road

803-058
Tax Map ID: 138-70
Barry J Kelley
30 East Milan Road

EAST MILAN ROAD

Cemetery

Berlin

BERLIN WATER WORKS

SPAN STREAM
NO IMPACT

SPAN STREAM
NO IMPACT

PREFERRED
ACCESS

OPTIONAL
ACCESS

TEMPORARY
WETLAND IMPACT:
+/-1,420 SQ.FT.

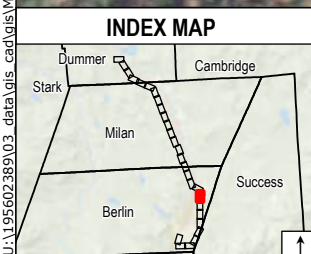
W179 Line - Structure Replacement Project - (Berlin, Success, Milan, Dummer)

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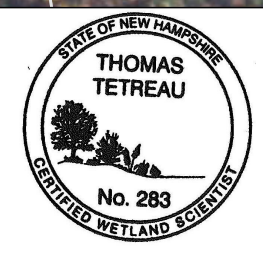


Legend

- Local Potential Contamination Sources
- Wellhead Protection Areas
- Class A Surface Waters RSA 485A9
- Coastal and Great Bay Region Communities (none)
- Designated Rivers Quarter Mile Buffer (none)
- Groundwater Classification Areas GA1 (none)
- Groundwater Classification Areas GA2
- Groundwater Classification Areas GAA (none)
- All Lakes with a Quarter Mile Buffer
- Class A Surface Waters RSA 485A9 Lakes Only
- Quarter Mile Buffer (none)
- Outstanding Resource Water Watersheds
- Surface Waters with Impairments 2016 with Quarter Mile Buffer
- Water Supply Intake Protection Areas
- Watersheds with Chloride Impairments 2016
- Proposed Structure
- Existing Structure
- Existing Structure to be Removed
- Existing Structure to Remain
- Existing Right-Of-Way (ROW)
- Overhead Transmission Line
- Approximate Distribution Line
- Existing Access
- Off-ROW Access Pending Rights
- Suggested Erosion and Sediment Control (TYP)
- AoT Disturbance Area - Access
- AoT Disturbance Area - Pad
- Temporary Construction Matting
- Stone Work Pad
- Eversource Owned Property
- State Owned Property
- Abutter Number
- Parcel Boundary
- Municipal Boundary
- Existing Access
- 10ft Contour
- NHDES Protected Shoreland
- FEMA 100-Year Flood Zone
- FEMA Floodway
- Confirmed Vernal Pool
- Confirmed Vernal Pool Extent
- Delineated Ephemeral Watercourse
- Delineated Intermittent Watercourse
- Delineated Perennial Watercourse
- Field Delineated Wetland Boundary Outline
- Field Delineated Wetland
- Priority Resource Area
- Open Water
- Approximate Gas Line
- Railroad
- Fence
- Stone Wall
- Well
- Culvert
- Gate

Map Notes:
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Basemap: NAIP 2021

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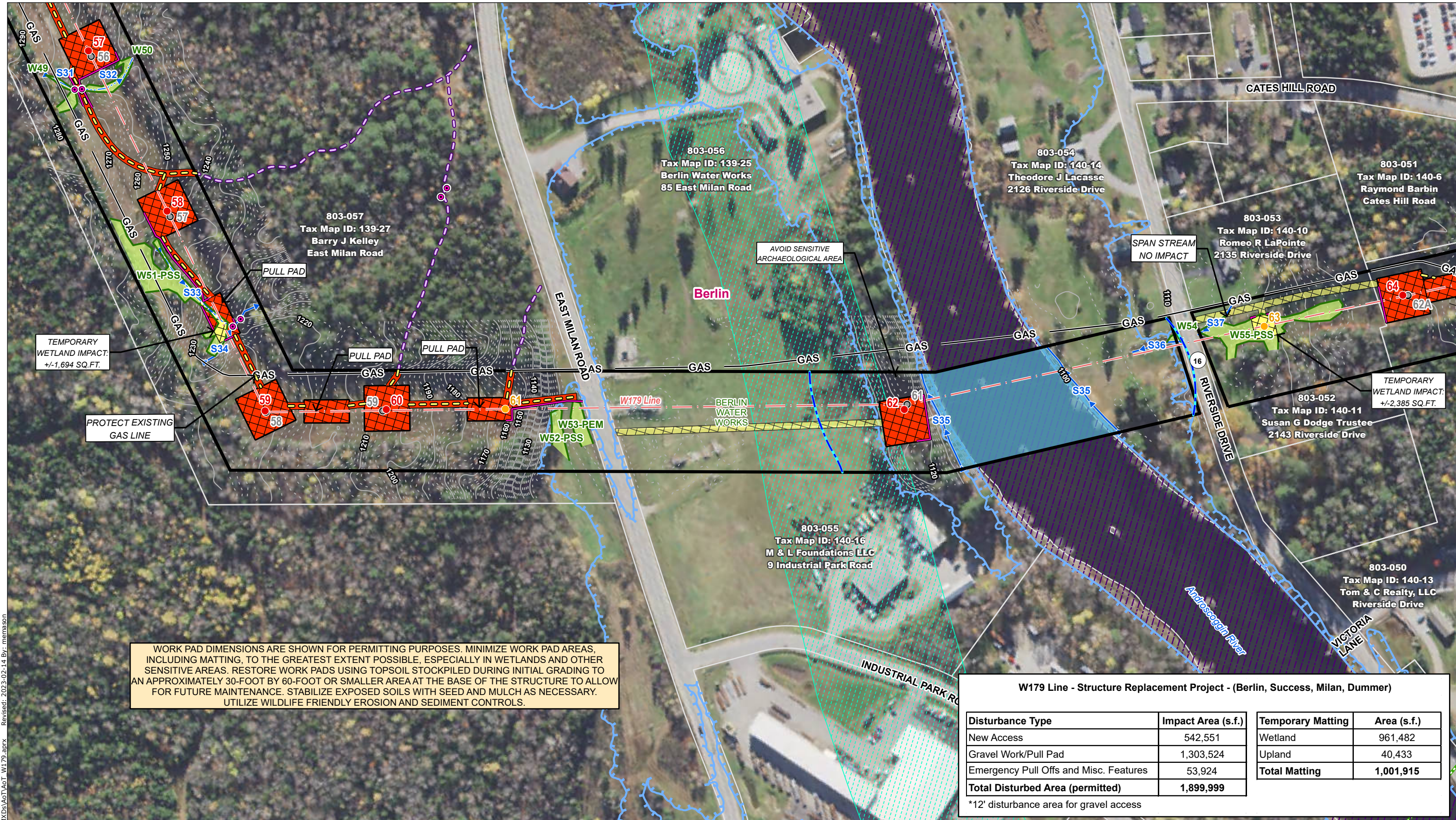
EVERSOURCE ENERGY

**W179 Line - Structure Replacement
Alteration of Terrain Permitting Set
Surface Water and Groundwater Overlay Plans**

Berlin, NH MAP SHEET 9 of 28

Date: February 14, 2023

Stantec

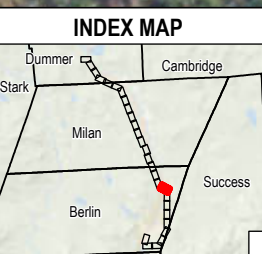


W179 Line - Structure Replacement Project - (Berlin, Success, Milan, Dummer)

Disturbance Type	Impact Area (s.f.)	Temporary Matting	Area (s.f.)
New Access	542,551	Wetland	961,482
Gravel Work/Pull Pad	1,303,524	Upland	40,433
Emergency Pull Offs and Misc. Features	53,924	Total Matting	1,001,915
Total Disturbed Area (permitted)	1,899,999		

*12' disturbance area for gravel access

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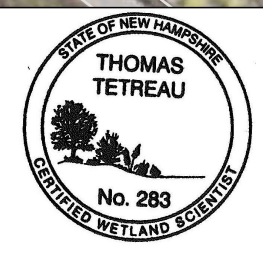


Legend

<ul style="list-style-type: none"> Local Potential Contamination Sources Wellhead Protection Areas Class A Surface Waters RSA 485A9 Coastal and Great Bay Region Communities (none) Designated Rivers Quartermile Buffer (none) Groundwater Classification Areas GA1 (none) Groundwater Classification Areas GA2 Groundwater Classification Areas GAA (none) All Lakes with a Quarter Mile Buffer Class A Surface Waters RSA 485A9 Lakes Only Quarter Mile Buffer (none) Outstanding Resource Water Watersheds 	<ul style="list-style-type: none"> Surface Waters with Impairments 2016 with Quarter Mile Buffer Water Supply Intake Protection Areas Watersheds with Chloride Impairments 2016 (none) Proposed Structure Existing Structure Existing Structure to be Removed Existing Structure to Remain Existing Right-Of-Way (ROW) Overhead Transmission Line Approximate Distribution Line Existing Access Off-ROW Access Pending Rights 	<ul style="list-style-type: none"> Suggested Erosion and Sediment Control (TYP) AoT Disturbance Area - Access AoT Disturbance Area - Pad Temporary Construction Matting Stone Work Pad Eversource Owned Property State Owned Property Abutter Number Parcel Boundary Municipal Boundary Existing Access 10ft Contour 	<ul style="list-style-type: none"> NHDES Protected Shoreland FEMA 100-Year Flood Zone FEMA Floodway Confirmed Vernal Pool Confirmed Vernal Pool Extent Delineated Ephemeral Watercourse Delineated Intermittent Watercourse Delineated Perennial Watercourse Field Delineated Wetland Boundary Outline Field Delineated Wetland Priority Resource Area Open Water 	<ul style="list-style-type: none"> -GAS Approximate Gas Line Railroad - Access Fence Stone Wall Well Culvert Gate
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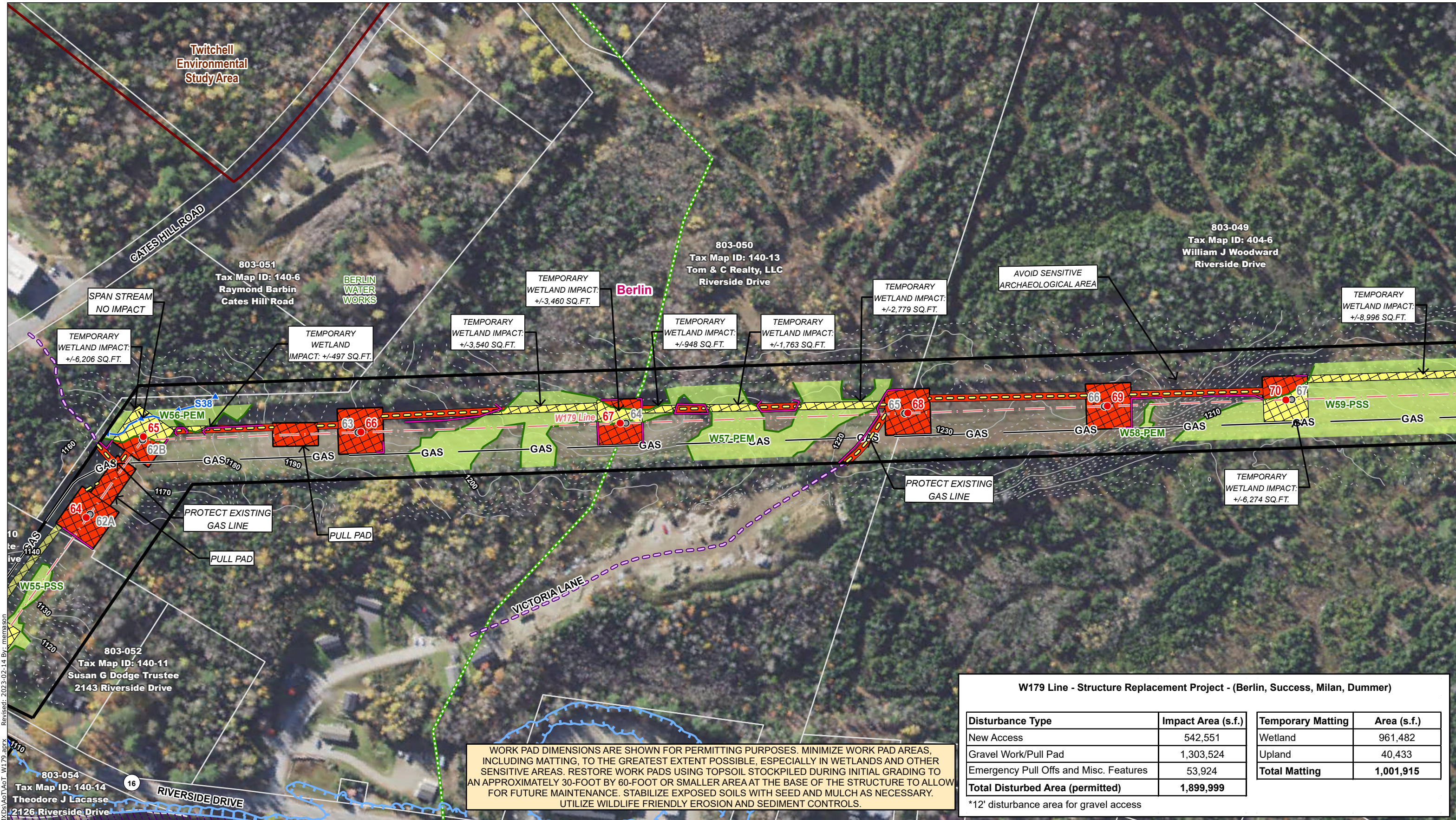
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EVERSOURCE ENERGY

**W179 Line - Structure Replacement
Alteration of Terrain Permitting Set
Surface Water and Groundwater Overlay Plans**

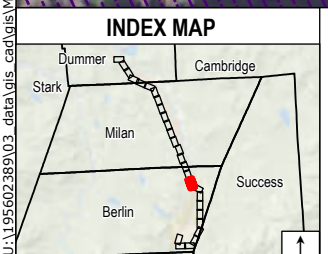
Berlin, NH	MAP SHEET 10 of 28
Date: February 14, 2023	



W179 Line - Structure Replacement Project - (Berlin, Success, Milan, Dummer)

Disturbance Type	Impact Area (s.f.)	Temporary Matting	Area (s.f.)
New Access	542,551	Wetland	961,482
Gravel Work/Pull Pad	1,303,524	Upland	40,433
Emergency Pull Offs and Misc. Features	53,924	Total Matting	1,001,915
Total Disturbed Area (permitted)	1,899,999		

*12' disturbance area for gravel access

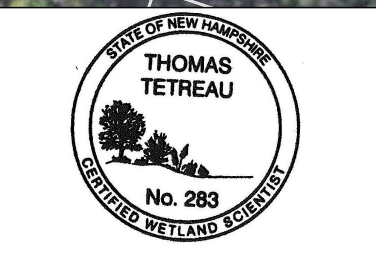


Legend

- Local Potential Contamination Sources
- Wellhead Protection Areas
- Class A Surface Waters RSA 485A9
- Coastal and Great Bay Region Communities (none)
- Designated Rivers Quarter Mile Buffer (none)
- Groundwater Classification Areas GA1 (none)
- Groundwater Classification Areas GA2
- Groundwater Classification Areas GAA (none)
- All Lakes with a Quarter Mile Buffer
- Class A Surface Waters RSA 485A9 Lakes Only
- Quarter Mile Buffer (none)
- Outstanding Resource Water Watersheds
- Surface Waters with Impairments 2016 with Quarter Mile Buffer
- Water Supply Intake Protection Areas
- Watersheds with Chloride Impairments 2016 (none)
- Proposed Structure
- Existing Structure
- Existing Structure to be Removed
- Existing Structure to Remain
- Existing Right-Of-Way (ROW)
- Overhead Transmission Line
- Approximate Distribution Line
- Existing Access
- Off-ROW Access Pending Rights
- Suggested Erosion and Sediment Control (TYP)
- AoT Disturbance Area - Access
- AoT Disturbance Area - Pad
- Temporary Construction Matting
- Stone Work Pad
- Eversource Owned Property
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- Abutter Number
- Parcel Boundary
- Municipal Boundary
- 2ft Contour
- 10ft Contour
- NHDES Protected Shoreland
- FEMA 100-Year Flood Zone
- FEMA Floodway
- Confirmed Vernal Pool
- Confirmed Vernal Pool Extent
- Delineated Ephemeral Watercourse
- Delineated Intermittent Watercourse
- Delineated Perennial Watercourse
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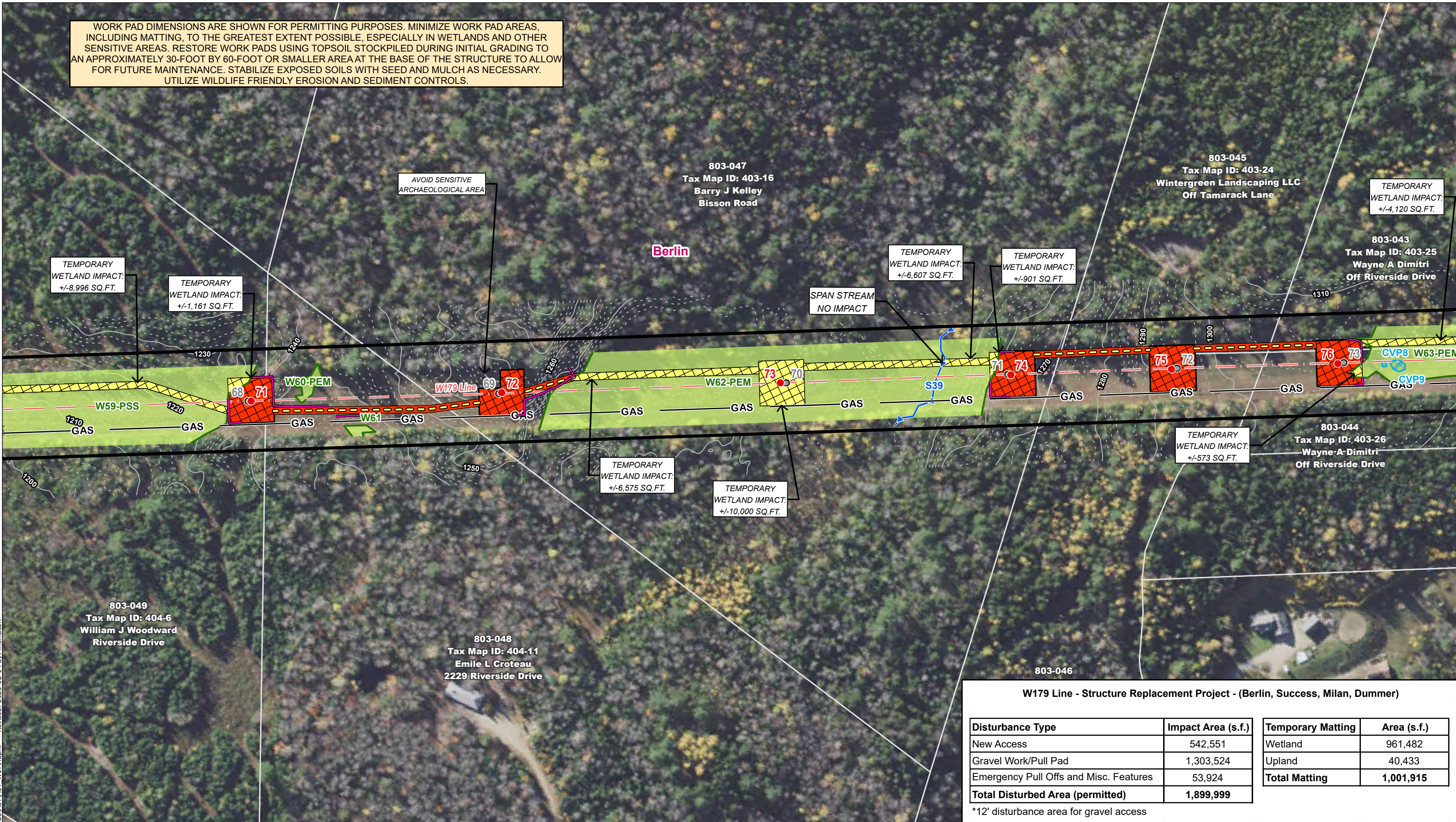
**W179 Line - Structure Replacement
 Alteration of Terrain Permitting Set
 Surface Water and Groundwater Overlay Plans**

Berlin, NH MAP SHEET 11 of 28

Date: February 14, 2023

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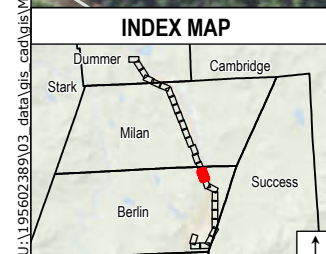


W179 Line - Structure Replacement Project - (Berlin, Success, Milan, Dummer)

Disturbance Type	Impact Area (s.f.)	Temporary Matting	Area (s.f.)
New Access	542,551	Wetland	961,482
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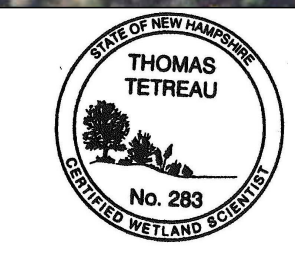


Legend

<ul style="list-style-type: none"> Local Potential Contamination Sources Wellhead Protection Areas Class A Surface Waters RSA 485A9 Coastal and Great Bay Region Communities (none) Designated Rivers Quarter Mile Buffer (none) Groundwater Classification Areas GA1 (none) Groundwater Classification Areas GA2 Groundwater Classification Areas GAA (none) All Lakes with a Quarter Mile Buffer Class A Surface Waters RSA 485A9 Lakes Only Quarter Mile Buffer (none) Outstanding Resource Water Watersheds 	<ul style="list-style-type: none"> Surface Waters with Impairments 2016 with Quarter Mile Buffer Water Supply Intake Protection Areas Watersheds with Chloride Impairments 2016 (none) Proposed Structure Existing Structure Existing Structure to be Removed Existing Structure to Remain Existing Right-Of-Way (ROW) Overhead Transmission Line Approximate Distribution Line Existing Access Off-ROW Access Pending Rights 	<ul style="list-style-type: none"> Suggested Erosion and Sediment Control (TYP) AoT Disturbance Area - Access AoT Disturbance Area - Pad Temporary Construction Matting Stone Work Pad Eversource Owned Property State Owned Property Abutter Number Parcel Boundary Municipal Boundary Existing Access 10ft Contour 	<ul style="list-style-type: none"> NHDES Protected Shoreland FEMA 100-Year Flood Zone FEMA Floodway Confirmed Vernal Pool Confirmed Vernal Pool Extent Delineated Ephemeral Watercourse Delineated Intermittent Watercourse Delineated Perennial Watercourse Field Delineated Wetland Boundary Outline Field Delineated Wetland Priority Resource Area Open Water 	<ul style="list-style-type: none"> -GAS Approximate Gas Line Railroad Fence Stone Wall Well Culvert Gate
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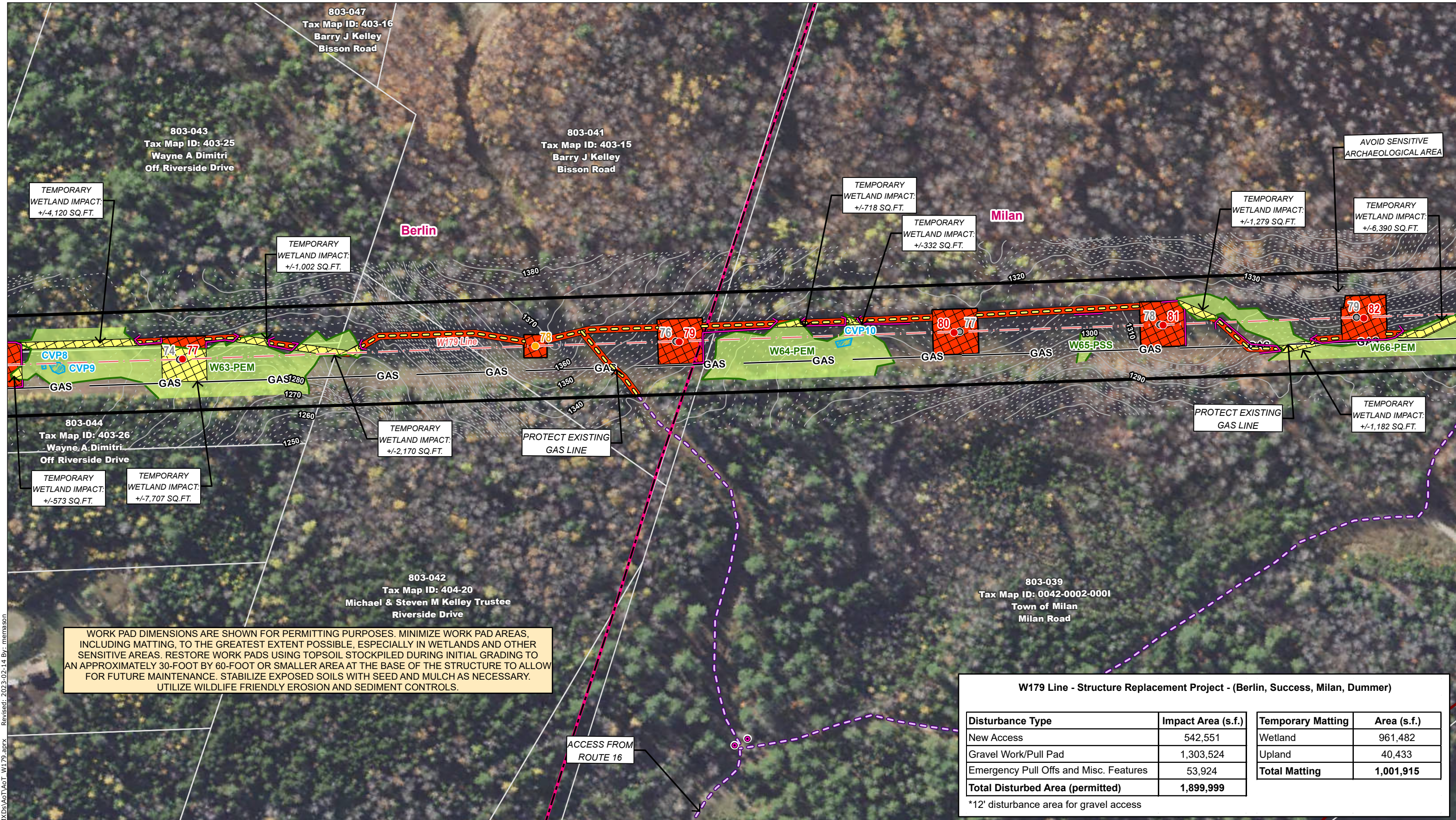
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EVERSOURCE ENERGY

W179 Line - Structure Replacement Alteration of Terrain Permitting Set Surface Water and Groundwater Overlay Plans

Berlin, NH	MAP SHEET 12 of 28
Date: February 14, 2023	



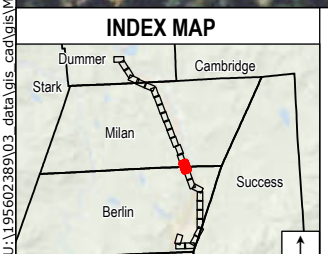
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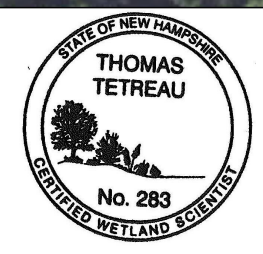


Legend

<ul style="list-style-type: none"> Local Potential Contamination Sources Wellhead Protection Areas Class A Surface Waters RSA 485A9 Coastal and Great Bay Region Communities (none) Designated Rivers Quarter Mile Buffer (none) Groundwater Classification Areas GA1 (none) Groundwater Classification Areas GA2 Groundwater Classification Areas GAA (none) All Lakes with a Quarter Mile Buffer Class A Surface Waters RSA 485A9 Lakes Only Quarter Mile Buffer (none) Outstanding Resource Water Watersheds 	<ul style="list-style-type: none"> Surface Waters with Impairments 2016 with Quarter Mile Buffer Water Supply Intake Protection Areas Watersheds with Chloride Impairments 2016 (none) Proposed Structure Existing Structure Existing Structure to be Removed Existing Structure to Remain Existing Right-Of-Way (ROW) Overhead Transmission Line Approximate Distribution Line Existing Access Off-ROW Access Pending Rights 	<ul style="list-style-type: none"> Suggested Erosion and Sediment Control (TYP) AoT Disturbance Area - Access AoT Disturbance Area - Pad Temporary Construction Matting Stone Work Pad Eversource Owned Property State Owned Property Abutter Number Parcel Boundary Municipal Boundary Existing Access 10ft Contour 	<ul style="list-style-type: none"> NHDES Protected Shoreland FEMA 100-Year Flood Zone FEMA Floodway Confirmed Vernal Pool Confirmed Vernal Pool Extent Delineated Ephemeral Watercourse Delineated Intermittent Watercourse Delineated Perennial Watercourse Field Delineated Wetland Boundary Outline Field Delineated Wetland Priority Resource Area Open Water 	<ul style="list-style-type: none"> -GAS Approximate Gas Line Railroad Fence Stone Wall Well Culvert Gate
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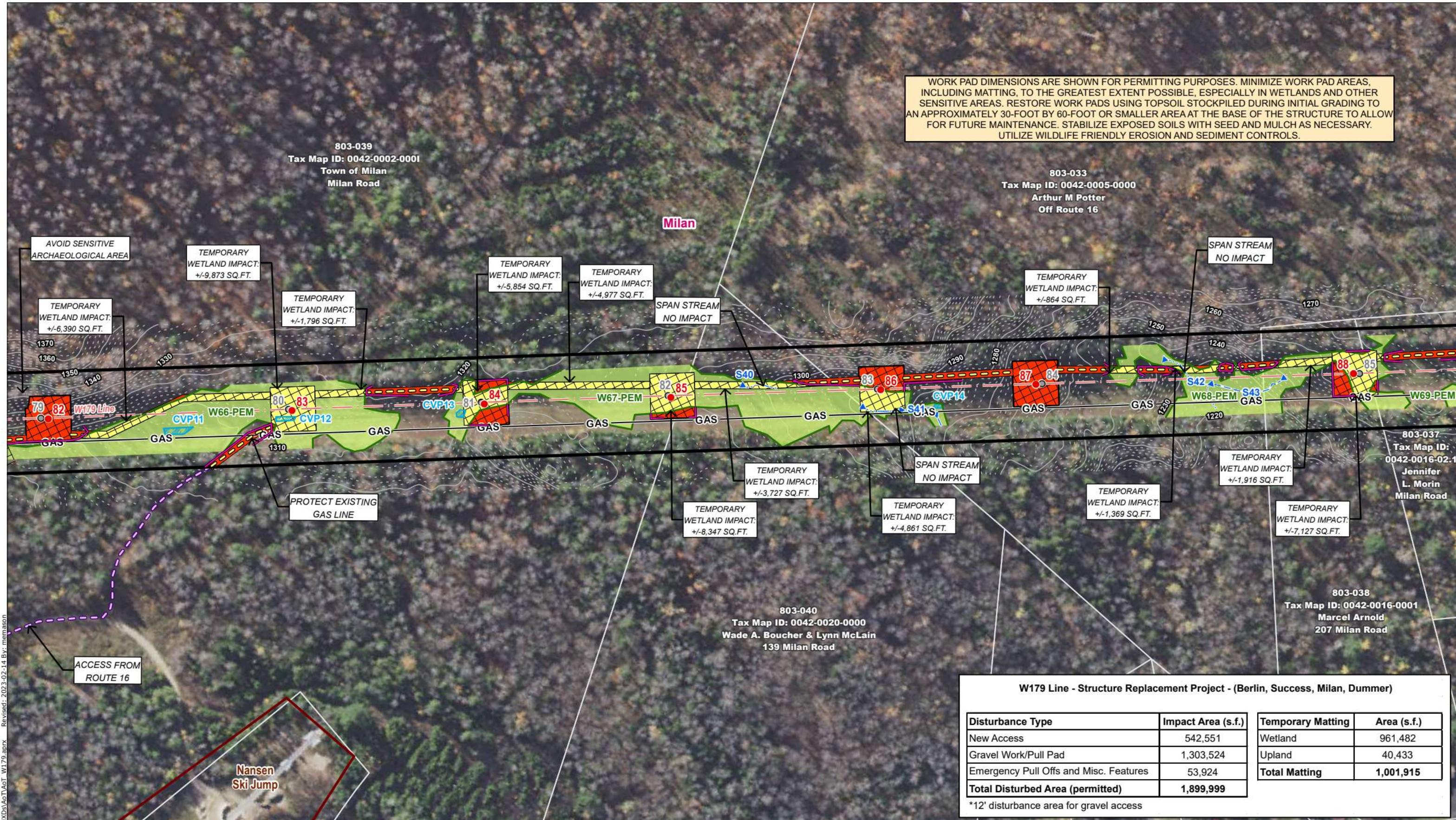


EVERSOURCE ENERGY

**W179 Line - Structure Replacement
Alteration of Terrain Permitting Set
Surface Water and Groundwater Overlay Plans**

Berlin/Milan, NH	MAP SHEET 13 of 28
Date: February 14, 2023	

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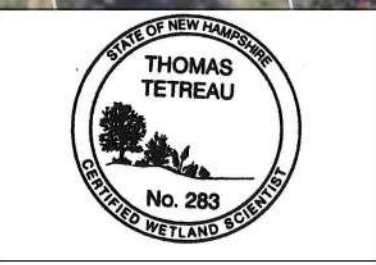


Legend

- Local Potential Contamination Sources
- Wellhead Protection Areas
- Class A Surface Waters RSA 485A9
- Coastal and Great Bay Region Communities (none)
- Designated Rivers Quartermile Buffer (none)
- Groundwater Classification Areas GA1 (none)
- Groundwater Classification Areas GA2
- Groundwater Classification Areas GAA (none)
- All Lakes with a Quarter Mile Buffer
- Class A Surface Waters RSA 485A9 Lakes Only Quarter Mile Buffer (none)
- Outstanding Resource Water Watersheds
- Surface Waters with Impairments 2016 with Quarter Mile Buffer
- Water Supply Intake Protection Areas
- Watersheds with Chloride Impairments 2016
- Proposed Structure
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- Parcel Boundary
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EVERSOURCE ENERGY

W179 Line - Structure Replacement Alteration of Terrain Permitting Set Surface Water and Groundwater Overlay Plans

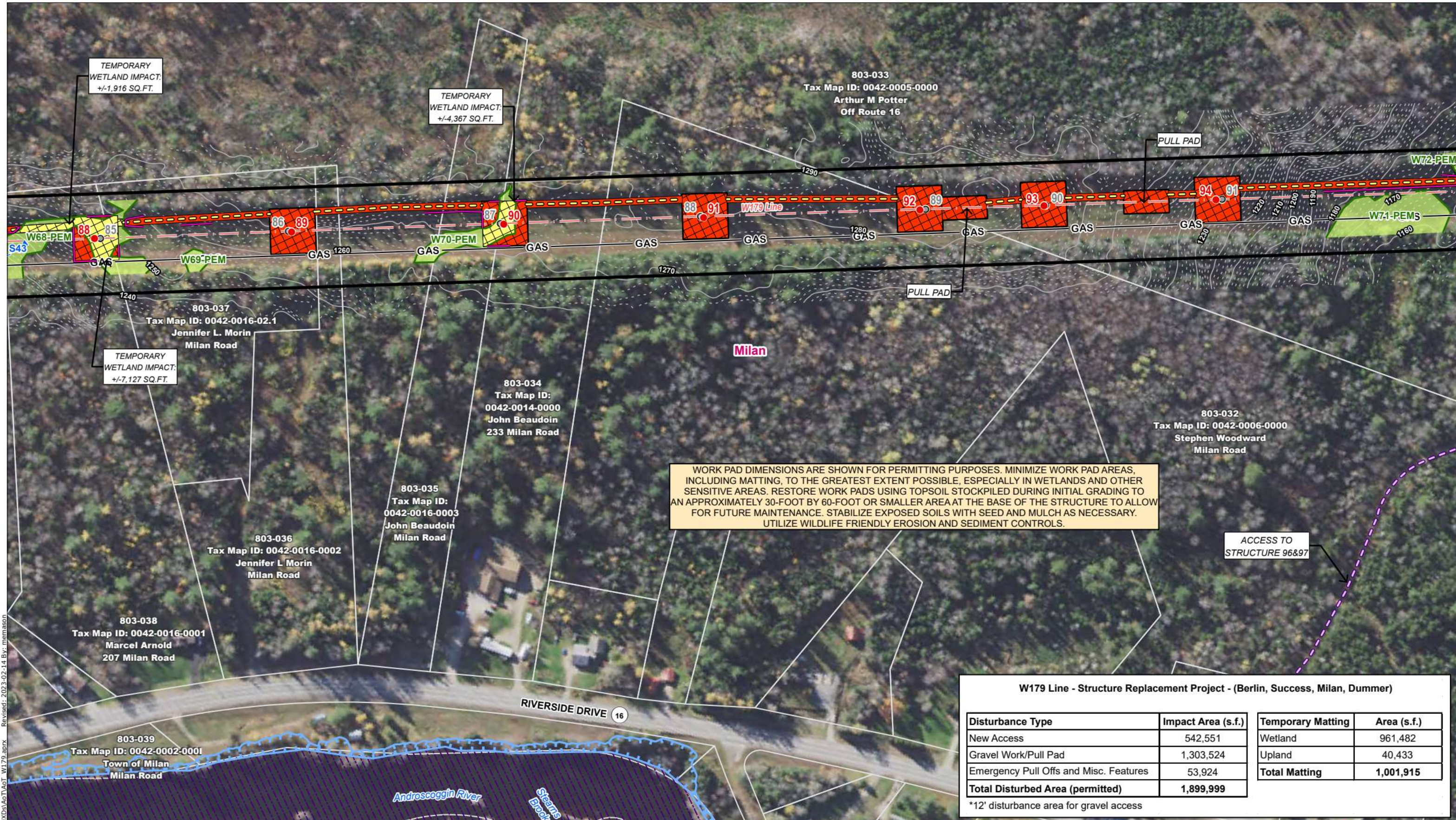
Milan, NH

Date: February 14, 2023

MAP SHEET 14 of 28

Stantec

U:\195602389\03_data\stis_cad\stis\WXDs\AoT\AoT_W179.aprx Revised: 2023-02-14 By: memason



WORK PAD DIMENSIONS ARE SHOWN FOR PERMITTING PURPOSES. MINIMIZE WORK PAD AREAS, INCLUDING MATTING, TO THE GREATEST EXTENT POSSIBLE, ESPECIALLY IN WETLANDS AND OTHER SENSITIVE AREAS. RESTORE WORK PADS USING TOPSOIL STOCKPILED DURING INITIAL GRADING TO AN APPROXIMATELY 30-FOOT BY 60-FOOT OR SMALLER AREA AT THE BASE OF THE STRUCTURE TO ALLOW FOR FUTURE MAINTENANCE. STABILIZE EXPOSED SOILS WITH SEED AND MULCH AS NECESSARY. UTILIZE WILDLIFE FRIENDLY EROSION AND SEDIMENT CONTROLS.

W179 Line - Structure Replacement Project - (Berlin, Success, Milan, Dummer)

Disturbance Type	Impact Area (s.f.)	Temporary Matting	Area (s.f.)
New Access	542,551	Wetland	961,482
Gravel Work/Pull Pad	1,303,524	Upland	40,433
Emergency Pull Offs and Misc. Features	53,924	Total Matting	1,001,915
Total Disturbed Area (permitted)	1,899,999		

*12' disturbance area for gravel access



Legend

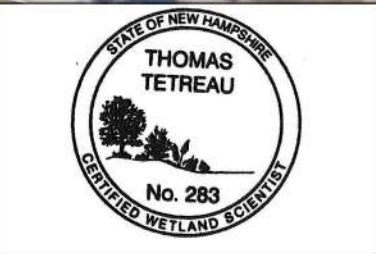
- Local Potential Contamination Sources
- Wellhead Protection Areas
- Class A Surface Waters RSA 485A9
- Coastal and Great Bay Region Communities (none)
- Designated Rivers Quartermile Buffer (none)
- Groundwater Classification Areas GA1 (none)
- Groundwater Classification Areas GA2
- Groundwater Classification Areas GAA (none)
- All Lakes with a Quarter Mile Buffer
- Class A Surface Waters RSA 485A9 Lakes Only Quarter Mile Buffer (none)
- Outstanding Resource Water Watersheds
- Surface Waters with Impairments 2016 with Quarter Mile Buffer
- Water Supply Intake Protection Areas
- Watersheds with Chloride Impairments 2016
- Proposed Structure
- Existing Structure
- Existing Structure to be Removed
- Existing Structure to Remain
- Existing Right-Of-Way (ROW)
- Overhead Transmission Line
- Class A Surface Waters RSA 485A9 Lakes Only Quarter Mile Buffer (none)
- Approximate Distribution Line
- Existing Access
- Off-ROW Access Pending Rights
- Suggested Erosion and Sediment Control (TYP)
- AoT Disturbance Area - Access
- AoT Disturbance Area - Pad
- Temporary Construction Matting
- Stone Work Pad
- Eversource Owned Property
- State Owned Property
- Abutter Number
- Parcel Boundary
- Municipal Boundary
- 2ft Contour
- 10ft Contour
- NHDES Protected Shoreland
- FEMA 100-Year Flood Zone
- FEMA Floodway
- Confirmed Vernal Pool
- Confirmed Vernal Pool Extent
- Delineated Ephemeral Watercourse
- Delineated Intermittent Watercourse
- Delineated Perennial Watercourse
- Field Delineated Wetland Boundary Outline
- Field Delineated Wetland
- Priority Resource Area
- Open Water
- GAS Approximate Gas Line
- Railroad
- Fence
- Stone Wall
- Well
- Culvert
- Gate

Map Notes:
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 Basemap: NAIP 2021

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1 inch = 200 feet

0 50 100 200 Feet



EVERSOURCE ENERGY

W179 Line - Structure Replacement Alteration of Terrain Permitting Set Surface Water and Groundwater Overlay Plans

Milan, NH

Date: February 14, 2023

MAP SHEET 15 of 28

Stantec

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803-033
Tax Map ID: 0042-0005-0000
Arthur M Potter
Off Route 16

803-031
Tax Map ID: 0042-0003-0000
Michael E Galuszka
477 Milan Road

803-032
Tax Map ID: 0042-0006-0000
Stephen Woodward
Milan Road

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Emergency Pull Offs and Misc. Features	53,924	Total Matting	1,001,915
Total Disturbed Area (permitted)	1,899,999		

*12' disturbance area for gravel access



Legend

- Local Potential Contamination Sources
- Wellhead Protection Areas
- Class A Surface Waters RSA 485A9
- Coastal and Great Bay Region Communities (none)
- Designated Rivers Quartermile Buffer (none)
- Groundwater Classification Areas GA1 (none)
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- FEMA 100-Year Flood Zone
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EVSOURCE ENERGY

W179 Line - Structure Replacement Alteration of Terrain Permitting Set Surface Water and Groundwater Overlay Plans

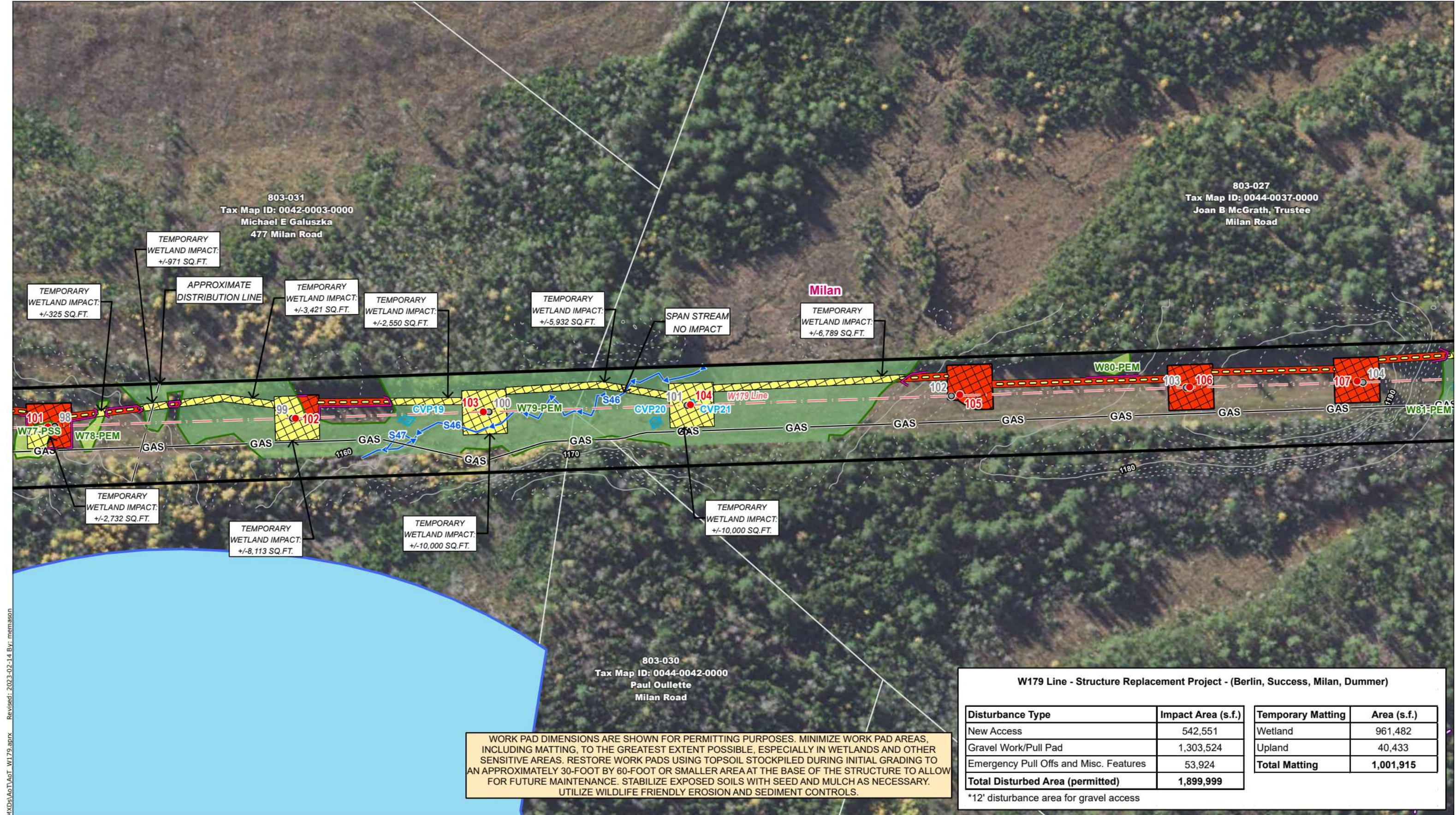
Milan, NH

Date: February 14, 2023

MAP SHEET 16 of 28

Stantec

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W179 Line - Structure Replacement Project - (Berlin, Success, Milan, Dummer)

Disturbance Type	Impact Area (s.f.)	Temporary Matting	Area (s.f.)
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*12' disturbance area for gravel access

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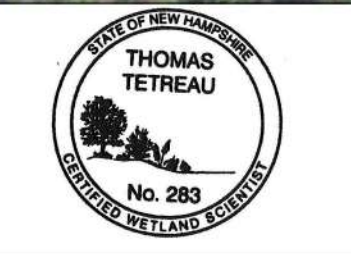


Legend

<ul style="list-style-type: none"> Local Potential Contamination Sources Wellhead Protection Areas Class A Surface Waters RSA 485A9 Coastal and Great Bay Region Communities (none) Designated Rivers Quartermile Buffer (none) Groundwater Classification Areas GA1 (none) Groundwater Classification Areas GA2 Groundwater Classification Areas GAA (none) All Lakes with a Quarter Mile Buffer Class A Surface Waters RSA 485A9 Lakes Only Quarter Mile Buffer (none) Outstanding Resource Water Watersheds 	<ul style="list-style-type: none"> Surface Waters with Impairments 2016 with Quarter Mile Buffer Water Supply Intake Protection Areas Watersheds with Chloride Impairments 2016 Proposed Structure Existing Structure Existing Structure to be Removed Existing Structure to Remain Existing Right-Of-Way (ROW) Overhead Transmission Line Approximate Distribution Line Existing Access Off-ROW Access Pending Rights 	<ul style="list-style-type: none"> Suggested Erosion and Sediment Control (TYP) AoT Disturbance Area - Access AoT Disturbance Area - Pad Temporary Construction Matting Stone Work Pad Eversource Owned Property State Owned Property Abutter Number Parcel Boundary Municipal Boundary Existing Access 10ft Contour 	<ul style="list-style-type: none"> NHDES Protected Shoreland FEMA 100-Year Flood Zone FEMA Floodway Confirmed Vernal Pool Delineated Vernal Pool Extent Delineated Ephemeral Watercourse Delineated Intermittent Watercourse Delineated Perennial Watercourse Field Delineated Wetland Boundary Outline Field Delineated Wetland Priority Resource Area Open Water 	<ul style="list-style-type: none"> -GAS Approximate Gas Line Railroad Fence Stone Wall Well Culvert Gate
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Map Notes:
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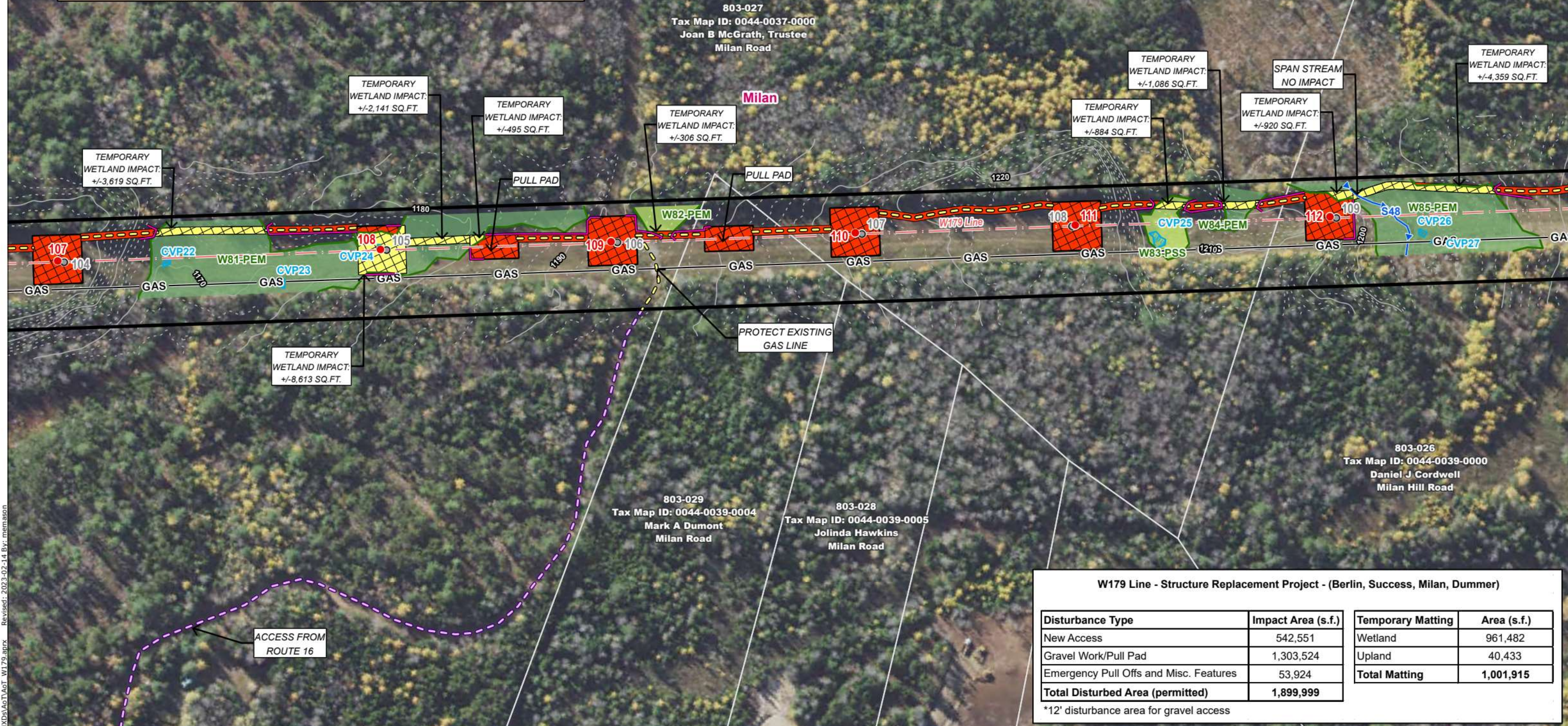


EVSOURCE ENERGY

**W179 Line - Structure Replacement
Alteration of Terrain Permitting Set
Surface Water and Groundwater Overlay Plans**

Milan, NH	MAP SHEET 17 of 28
Date: February 14, 2023	

WORK PAD DIMENSIONS ARE SHOWN FOR PERMITTING PURPOSES. MINIMIZE WORK PAD AREAS, INCLUDING MATTING, TO THE GREATEST EXTENT POSSIBLE, ESPECIALLY IN WETLANDS AND OTHER SENSITIVE AREAS. RESTORE WORK PADS USING TOPSOIL STOCKPILED DURING INITIAL GRADING TO AN APPROXIMATELY 30-FOOT BY 60-FOOT OR SMALLER AREA AT THE BASE OF THE STRUCTURE TO ALLOW FOR FUTURE MAINTENANCE. STABILIZE EXPOSED SOILS WITH SEED AND MULCH AS NECESSARY. UTILIZE WILDLIFE FRIENDLY EROSION AND SEDIMENT CONTROLS.



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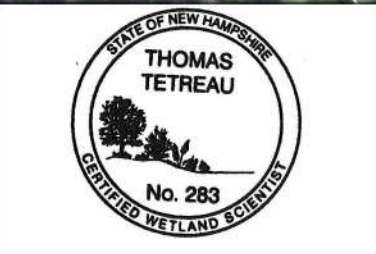


Legend

- Local Potential Contamination Sources
- Wellhead Protection Areas
- Class A Surface Waters RSA 485A9
- Coastal and Great Bay Region Communities (none)
- Designated Rivers Quartermile Buffer (none)
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EVERSOURCE ENERGY

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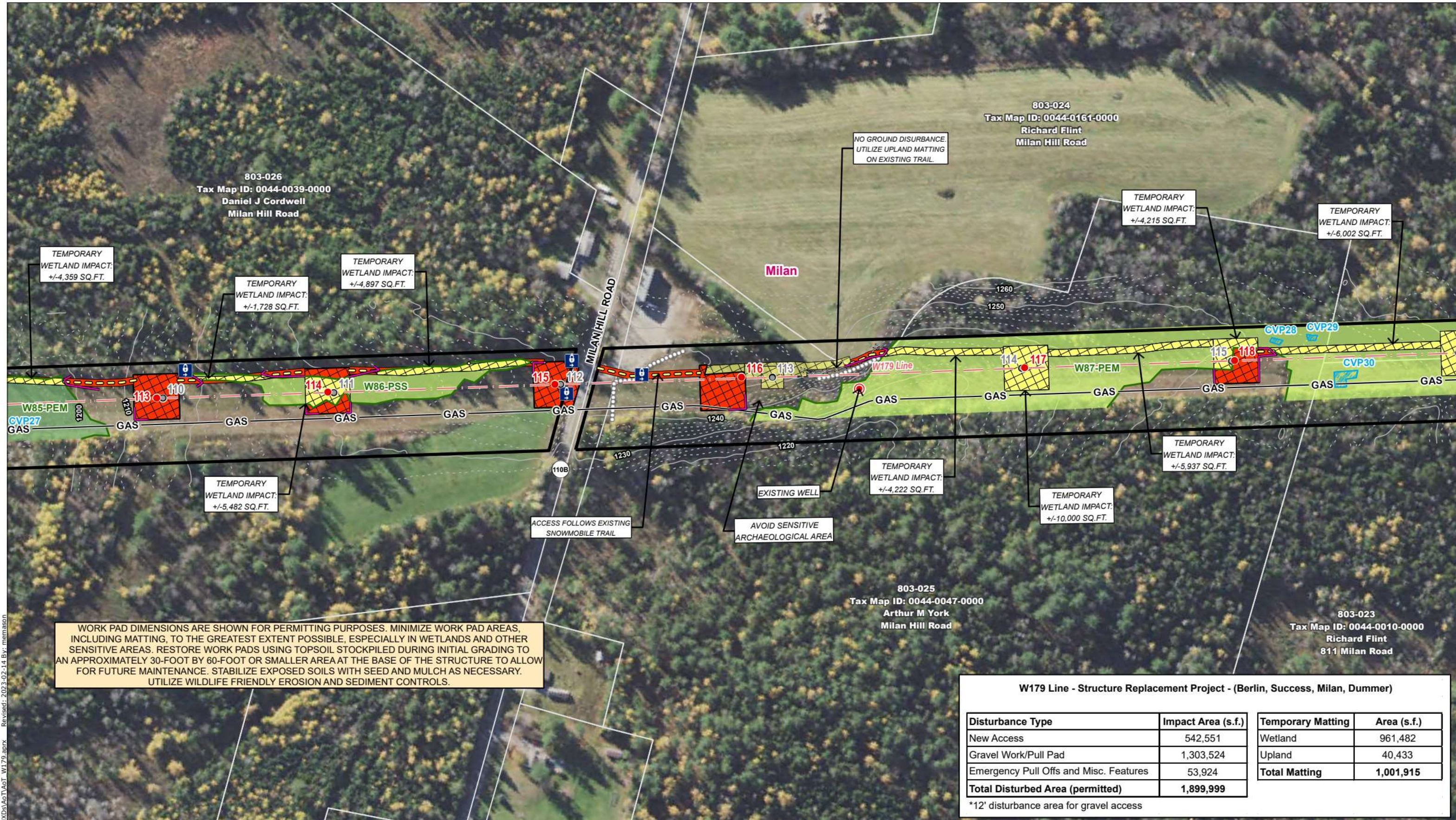
Milan, NH

Date: February 14, 2023

MAP SHEET 18 of 28

Stantec

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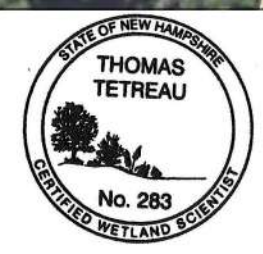


Legend

- Local Potential Contamination Sources
- Wellhead Protection Areas
- Class A Surface Waters RSA 485A9
- Coastal and Great Bay Region Communities (none)
- Designated Rivers Quarter Mile Buffer (none)
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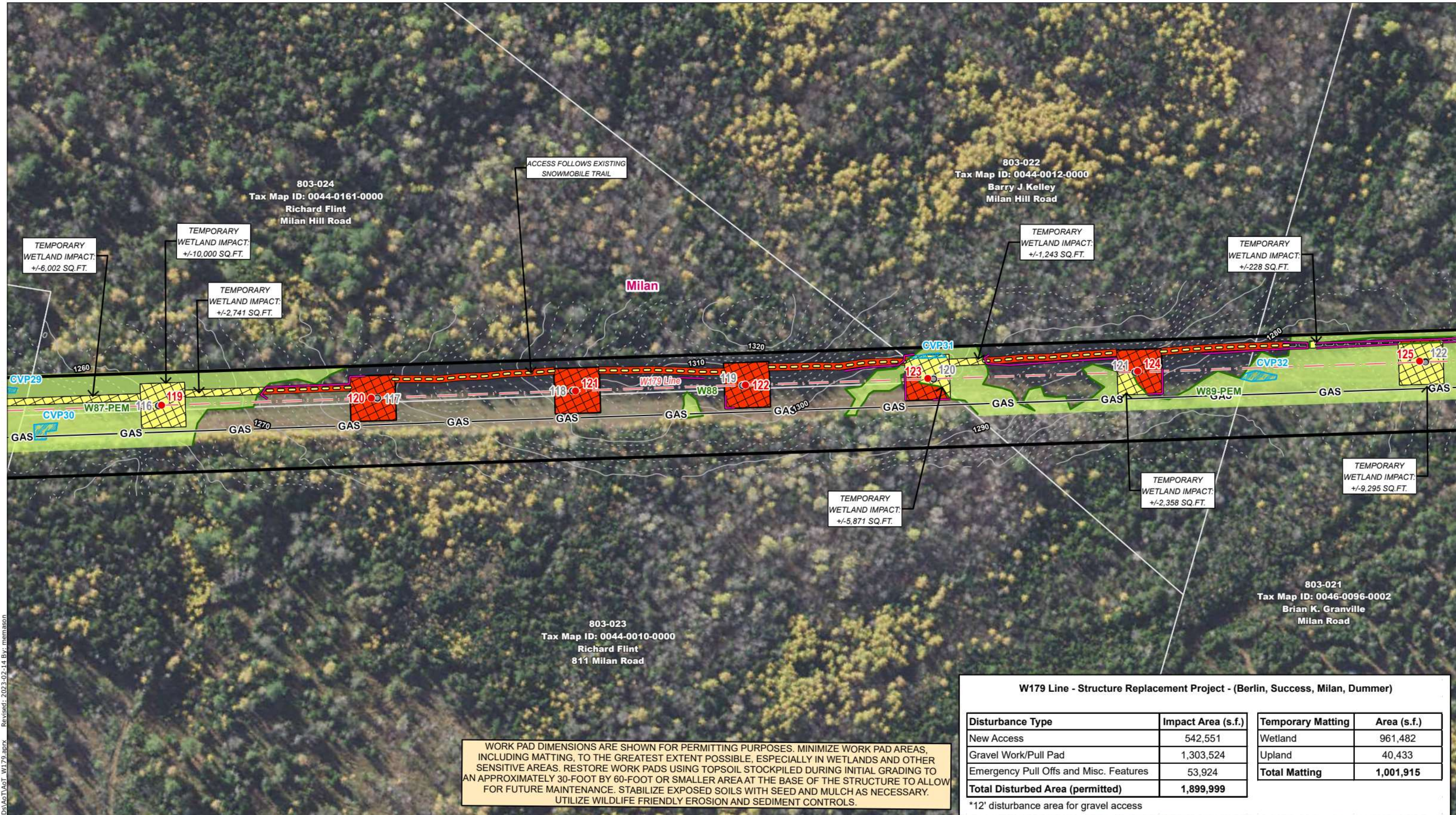
Milan, NH

Date: February 14, 2023

MAP SHEET 19 of 28

Stantec

U:\195602389\03_data\stis_conf\GIS\WXDs\AoT\AoT_W179.aprx Revised: 2023-02-14 By: memason



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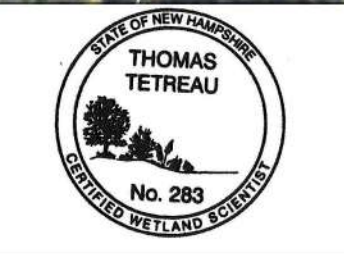
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EVERSOURCE ENERGY

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Alteration of Terrain Permitting Set
Surface Water and Groundwater Overlay Plans**

Milan, NH

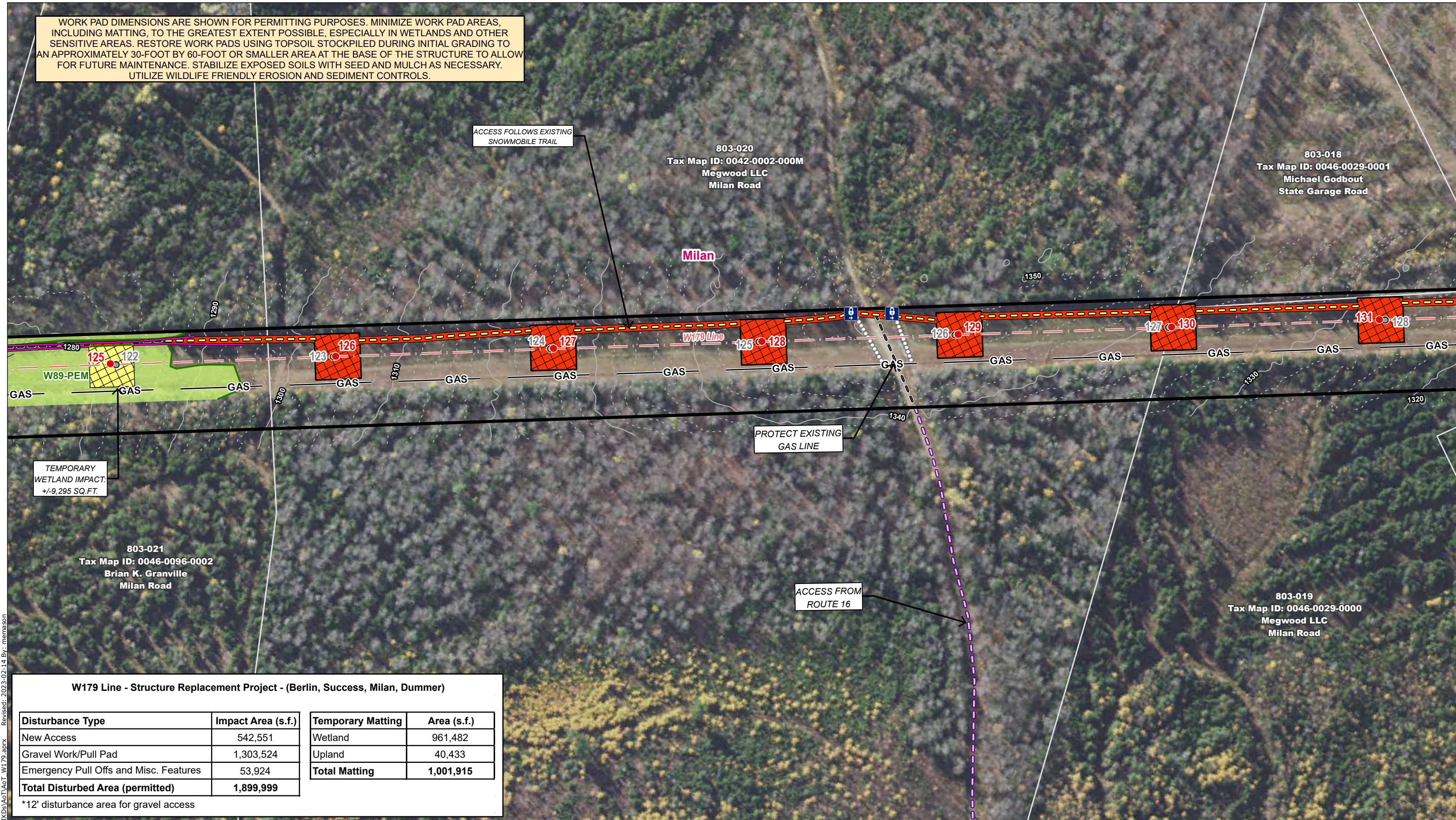
Date: February 14, 2023

MAP SHEET 20 of 28

Stantec

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ACCESS FOLLOWS EXISTING SNOWMOBILE TRAIL

803-020
Tax Map ID: 0042-0002-000M
Megwood LLC
Milan Road

803-018
Tax Map ID: 0046-0029-0001
Michael Godbout
State Garage Road

Milan

PROTECT EXISTING GAS LINE

ACCESS FROM ROUTE 16

TEMPORARY WETLAND IMPACT: +/-9,295 SQ.FT.

803-021
Tax Map ID: 0046-0096-0002
Brian K. Granville
Milan Road

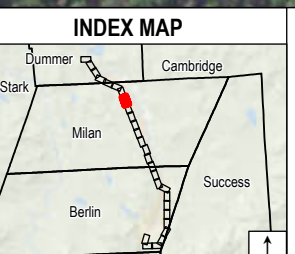
803-019
Tax Map ID: 0046-0029-0000
Megwood LLC
Milan Road

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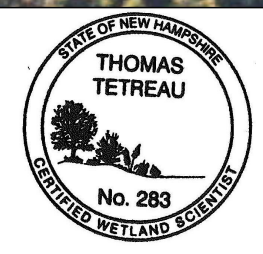
Legend

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- Designated Rivers Quarter Mile Buffer (none)
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- Class A Surface Waters RSA 485A9 Lakes Only
- Quarter Mile Buffer (none)
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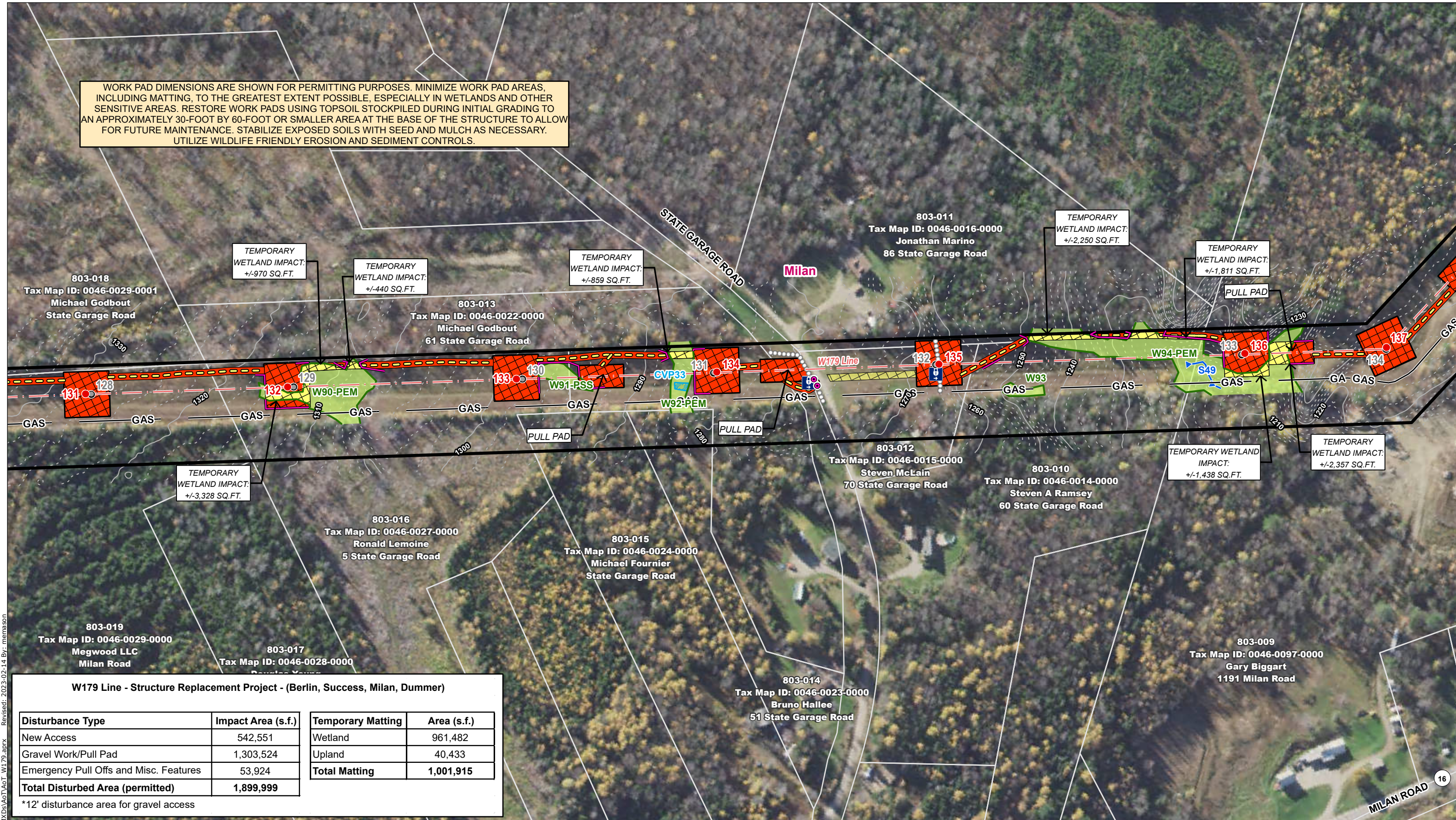
W179 Line - Structure Replacement Alteration of Terrain Permitting Set Surface Water and Groundwater Overlay Plans

Milan, NH MAP SHEET 21 of 28

Date: February 14, 2023

Stantec

WORK PAD DIMENSIONS ARE SHOWN FOR PERMITTING PURPOSES. MINIMIZE WORK PAD AREAS, INCLUDING MATTING, TO THE GREATEST EXTENT POSSIBLE, ESPECIALLY IN WETLANDS AND OTHER SENSITIVE AREAS. RESTORE WORK PADS USING TOPSOIL STOCKPILED DURING INITIAL GRADING TO AN APPROXIMATELY 30-FOOT BY 60-FOOT OR SMALLER AREA AT THE BASE OF THE STRUCTURE TO ALLOW FOR FUTURE MAINTENANCE. STABILIZE EXPOSED SOILS WITH SEED AND MULCH AS NECESSARY. UTILIZE WILDLIFE FRIENDLY EROSION AND SEDIMENT CONTROLS.

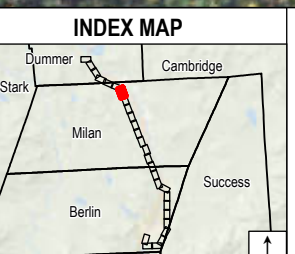


W179 Line - Structure Replacement Project - (Berlin, Success, Milan, Dummer)

Disturbance Type	Impact Area (s.f.)	Temporary Matting	Area (s.f.)
New Access	542,551	Wetland	961,482
Gravel Work/Pull Pad	1,303,524	Upland	40,433
Emergency Pull Offs and Misc. Features	53,924	Total Matting	1,001,915
Total Disturbed Area (permitted)	1,899,999		

*12' disturbance area for gravel access

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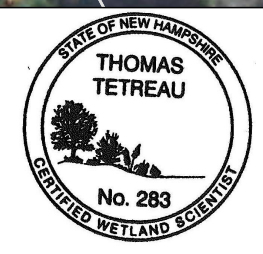
Legend

<ul style="list-style-type: none"> Local Potential Contamination Sources Wellhead Protection Areas Class A Surface Waters RSA 485A9 Coastal and Great Bay Region Communities (none) Designated Rivers Quarter Mile Buffer (none) Groundwater Classification Areas GA1 (none) Groundwater Classification Areas GA2 Groundwater Classification Areas GAA (none) All Lakes with a Quarter Mile Buffer Class A Surface Waters RSA 485A9 Lakes Only Quarter Mile Buffer (none) Outstanding Resource Water Watersheds 	<ul style="list-style-type: none"> Surface Waters with Impairments 2016 with Quarter Mile Buffer Water Supply Intake Protection Areas Watersheds with Chloride Impairments 2016 (none) Proposed Structure Existing Structure Existing Structure to be Removed Existing Structure to Remain Existing Right-Of-Way (ROW) Overhead Transmission Line Approximate Distribution Line Existing Access Off-ROW Access Pending Rights 	<ul style="list-style-type: none"> Suggested Erosion and Sediment Control (TYP) AoT Disturbance Area - Access AoT Disturbance Area - Pad Temporary Construction Matting Stone Work Pad Eversource Owned Property State Owned Property Abutter Number Parcel Boundary Municipal Boundary Existing Access 10ft Contour 	<ul style="list-style-type: none"> NHDES Protected Shoreland FEMA 100-Year Flood Zone FEMA Floodway Confirmed Vernal Pool Confirmed Vernal Pool Extent Delineated Ephemeral Watercourse Delineated Intermittent Watercourse Delineated Perennial Watercourse Field Delineated Wetland Boundary Outline Field Delineated Wetland Priority Resource Area Open Water 	<ul style="list-style-type: none"> -GAS Approximate Gas Line Railroad Fence Stone Wall Well Culvert Gate
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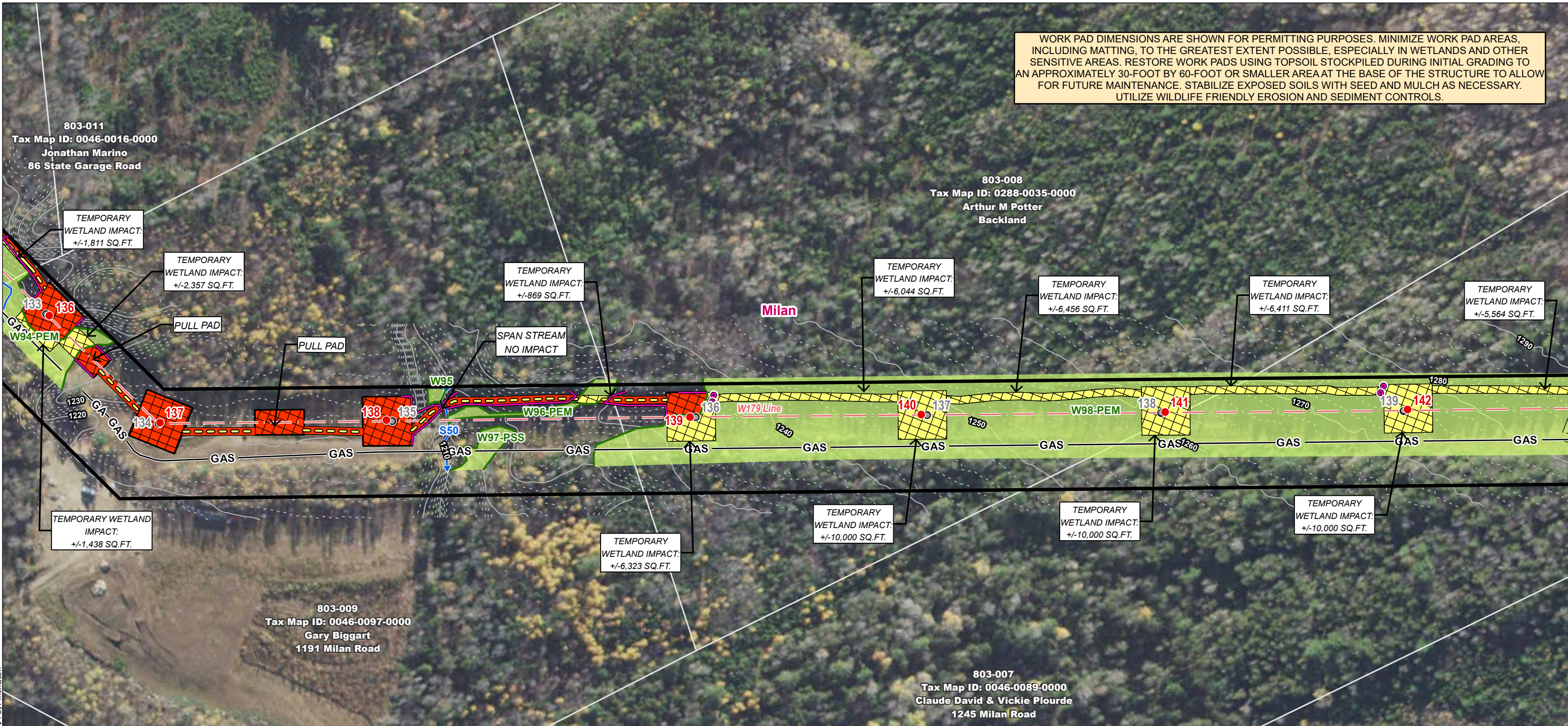
W179 Line - Structure Replacement Alteration of Terrain Permitting Set Surface Water and Groundwater Overlay Plans

Milan, NH MAP SHEET 22 of 28

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Stantec

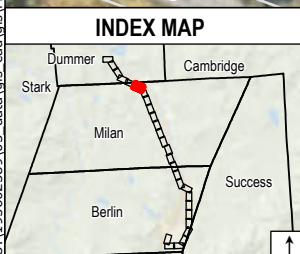
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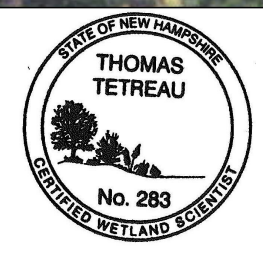
*12' disturbance area for gravel access



- Legend**
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 - Coastal and Great Bay Region Communities (none)
 - Designated Rivers Quarter Mile Buffer (none)
 - Groundwater Classification Areas GA1 (none)
 - Groundwater Classification Areas GA2
 - Groundwater Classification Areas GAA (none)
 - All Lakes with a Quarter Mile Buffer
 - Class A Surface Waters RSA 485A9 Lakes Only
 - Quarter Mile Buffer (none)
 - Outstanding Resource Water Watersheds
 - Surface Waters with Impairments 2016 with Quarter Mile Buffer
 - Water Supply Intake Protection Areas
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**W179 Line - Structure Replacement
 Alteration of Terrain Permitting Set
 Surface Water and Groundwater Overlay Plans**

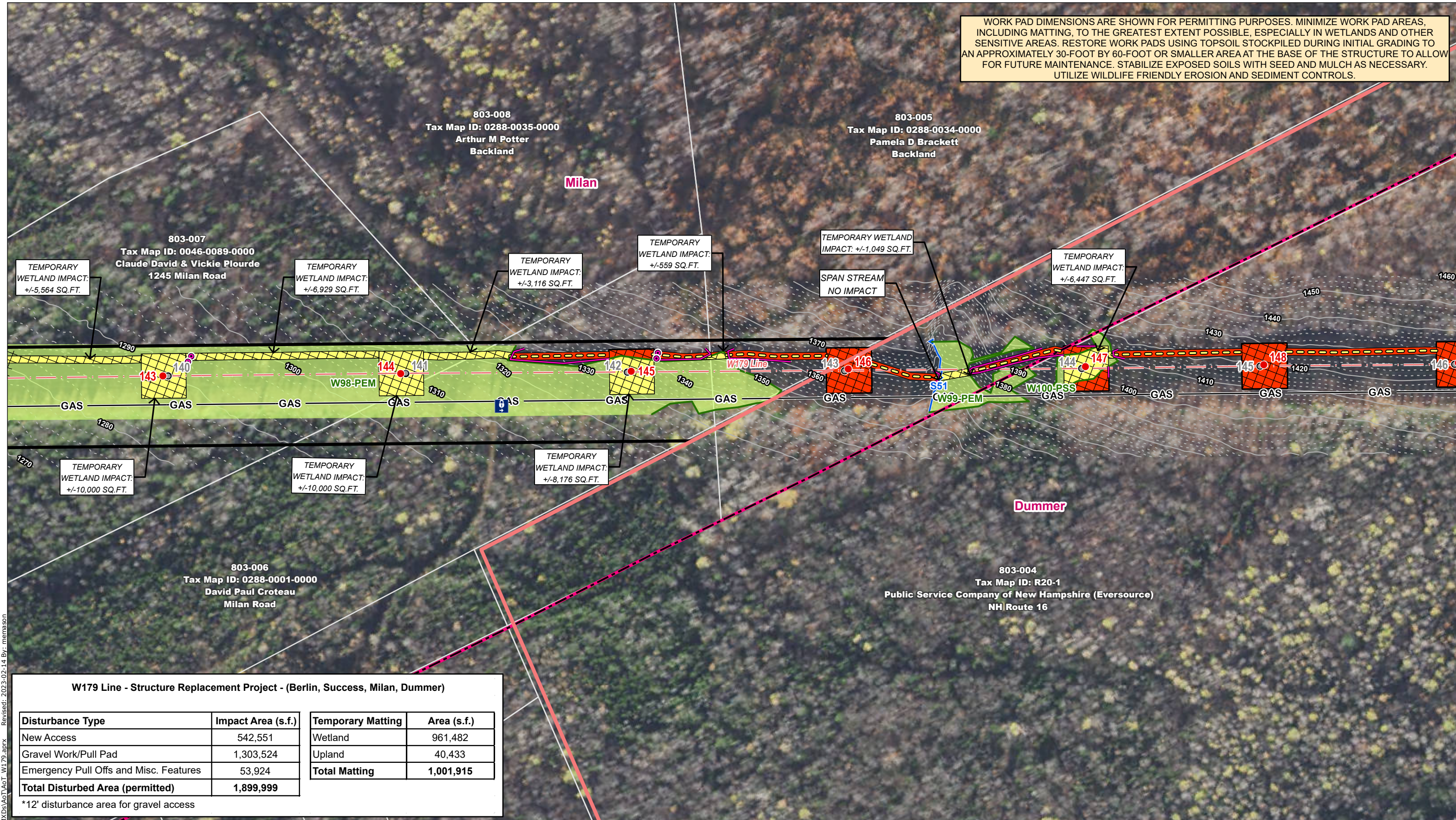
Milan, NH MAP SHEET 23 of 28

Date: February 14, 2023

Stantec

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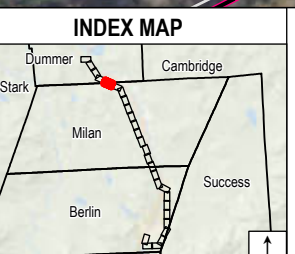


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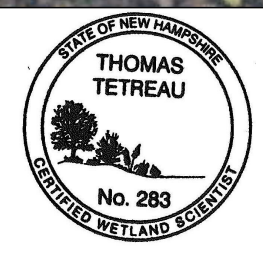


Legend

- Local Potential Contamination Sources
- Wellhead Protection Areas
- Class A Surface Waters RSA 485A9
- Coastal and Great Bay Region Communities (none)
- Designated Rivers Quarter Mile Buffer (none)
- Groundwater Classification Areas GA1 (none)
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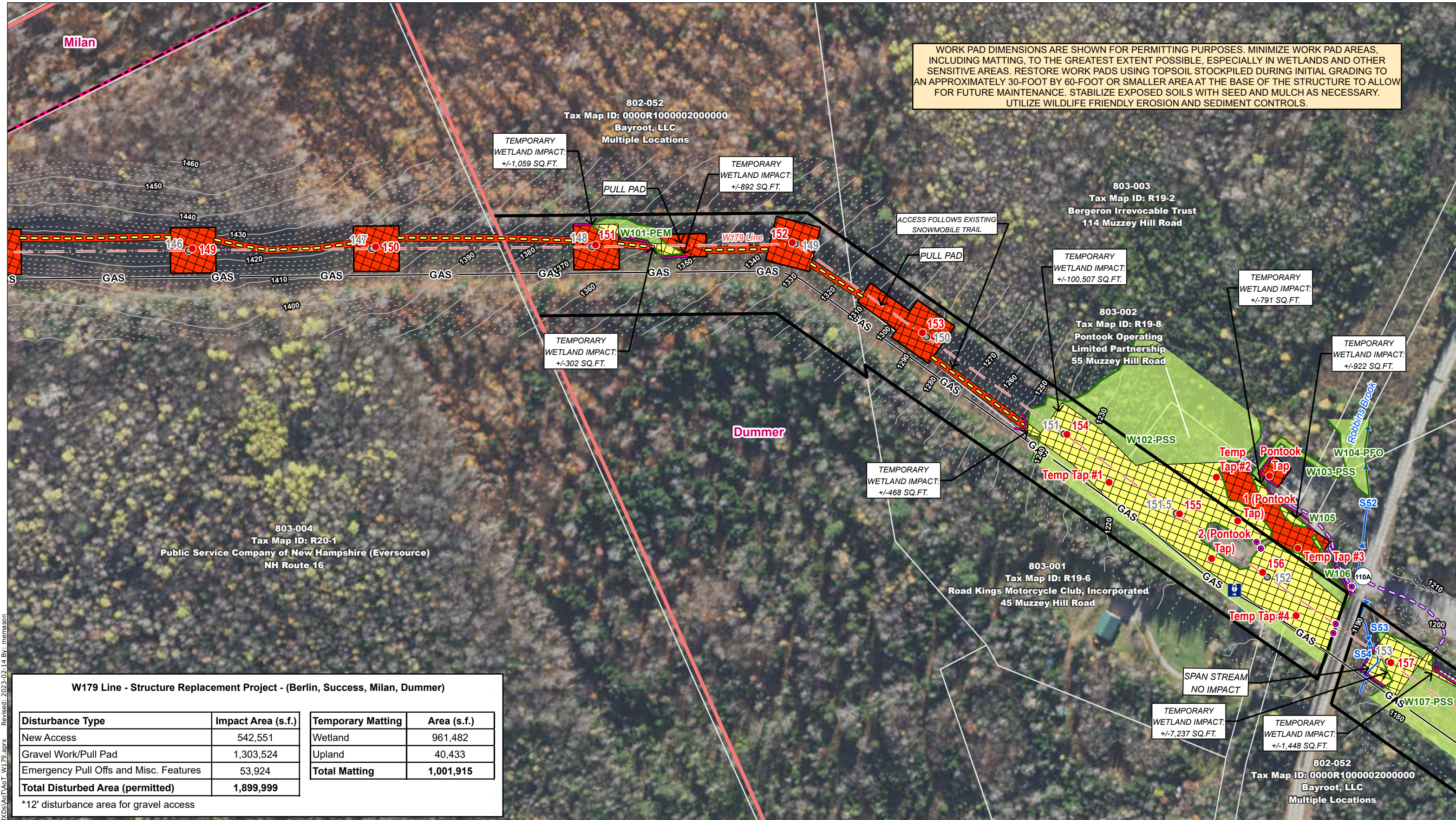
W179 Line - Structure Replacement Alteration of Terrain Permitting Set Surface Water and Groundwater Overlay Plans

Milan/Dummer, NH MAP SHEET 24 of 28

Date: February 14, 2023

Stantec

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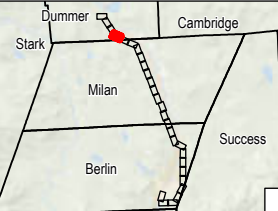


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INDEX MAP

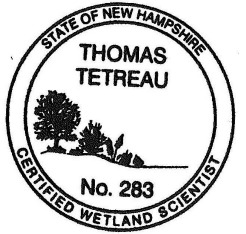


Legend

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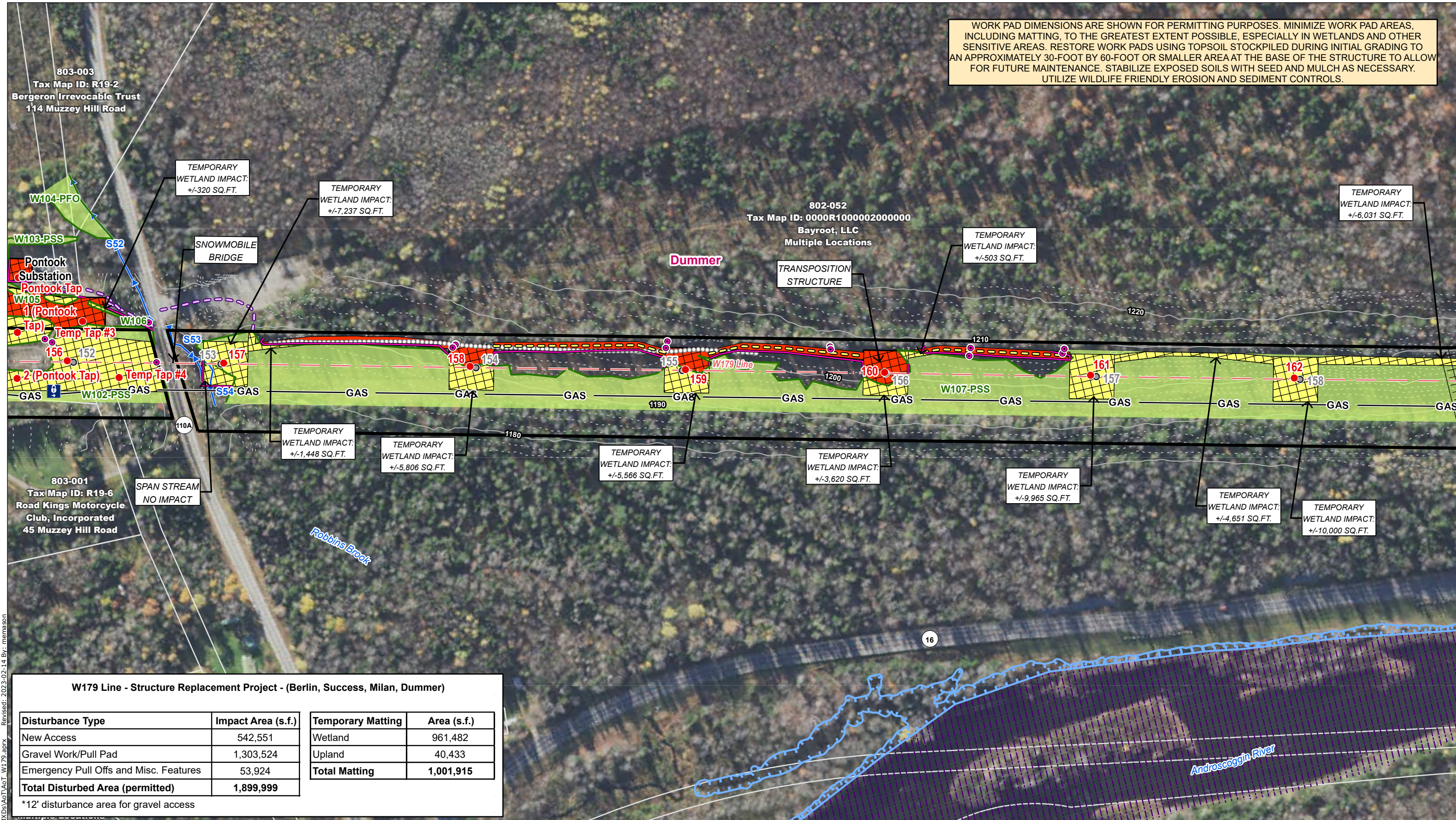
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Dummer, NH MAP SHEET 25 of 28

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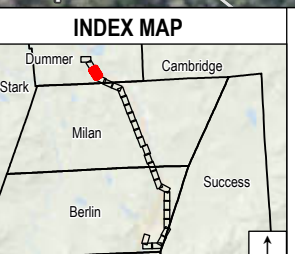


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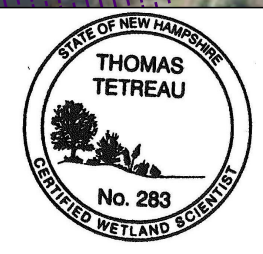
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EVERSOURCE ENERGY

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Dummer, NH MAP SHEET 26 of 28

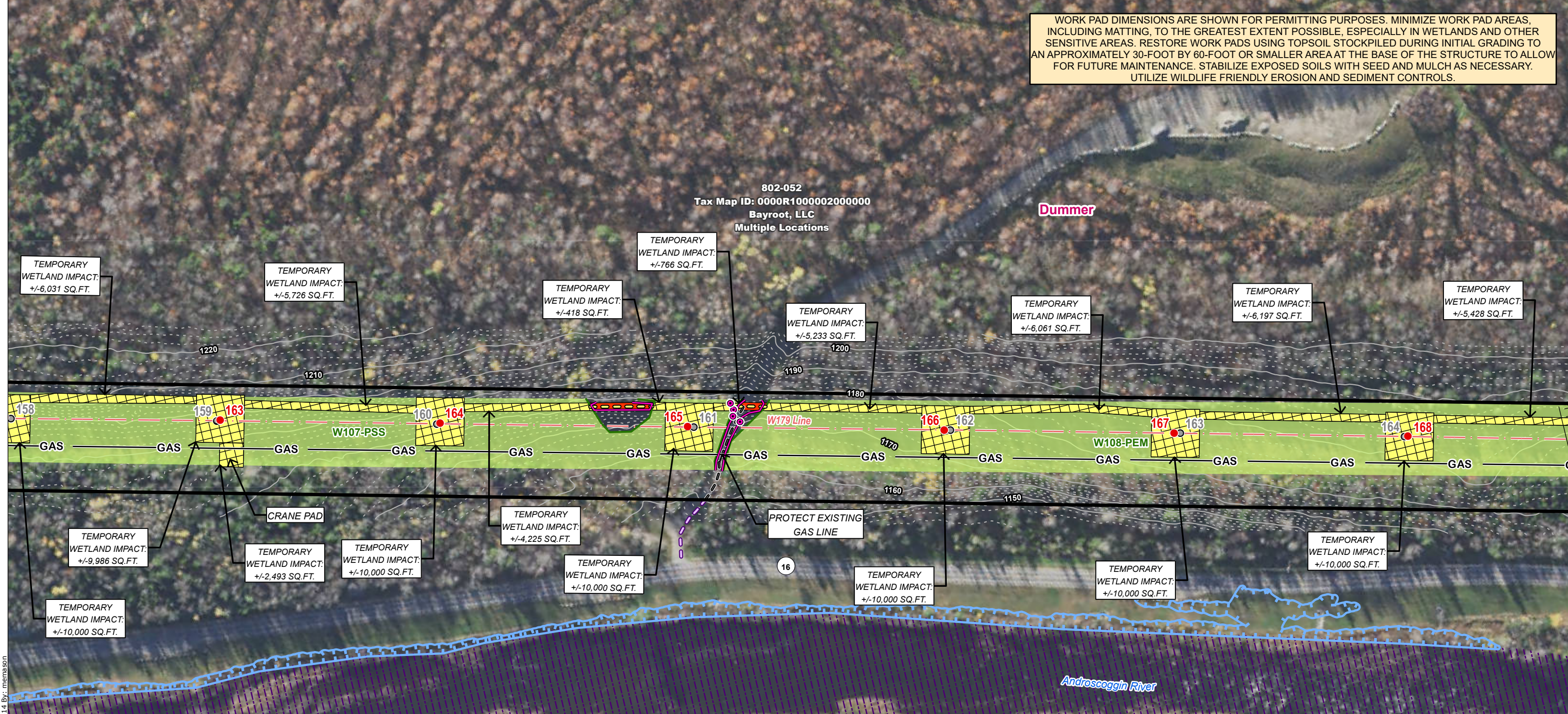
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802-052
Tax Map ID: 0000R100000200000
Bayroot, LLC
Multiple Locations

Dummer

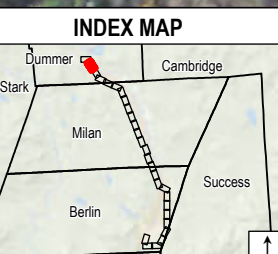


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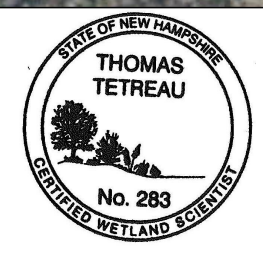
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Map Notes:
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Data source: Eversource easement lines, structures, transmission lines by Eversource Energy. Wetlands, watercourses and vernal pools delineated by Stantec in May 2022. Additional sources include: FEMA, NH Grant.
Basemap: NAIP 2021

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1 inch = 200 feet

0 50 100 200 Feet



EVERSOURCE ENERGY

W179 Line - Structure Replacement Alteration of Terrain Permitting Set Surface Water and Groundwater Overlay Plans

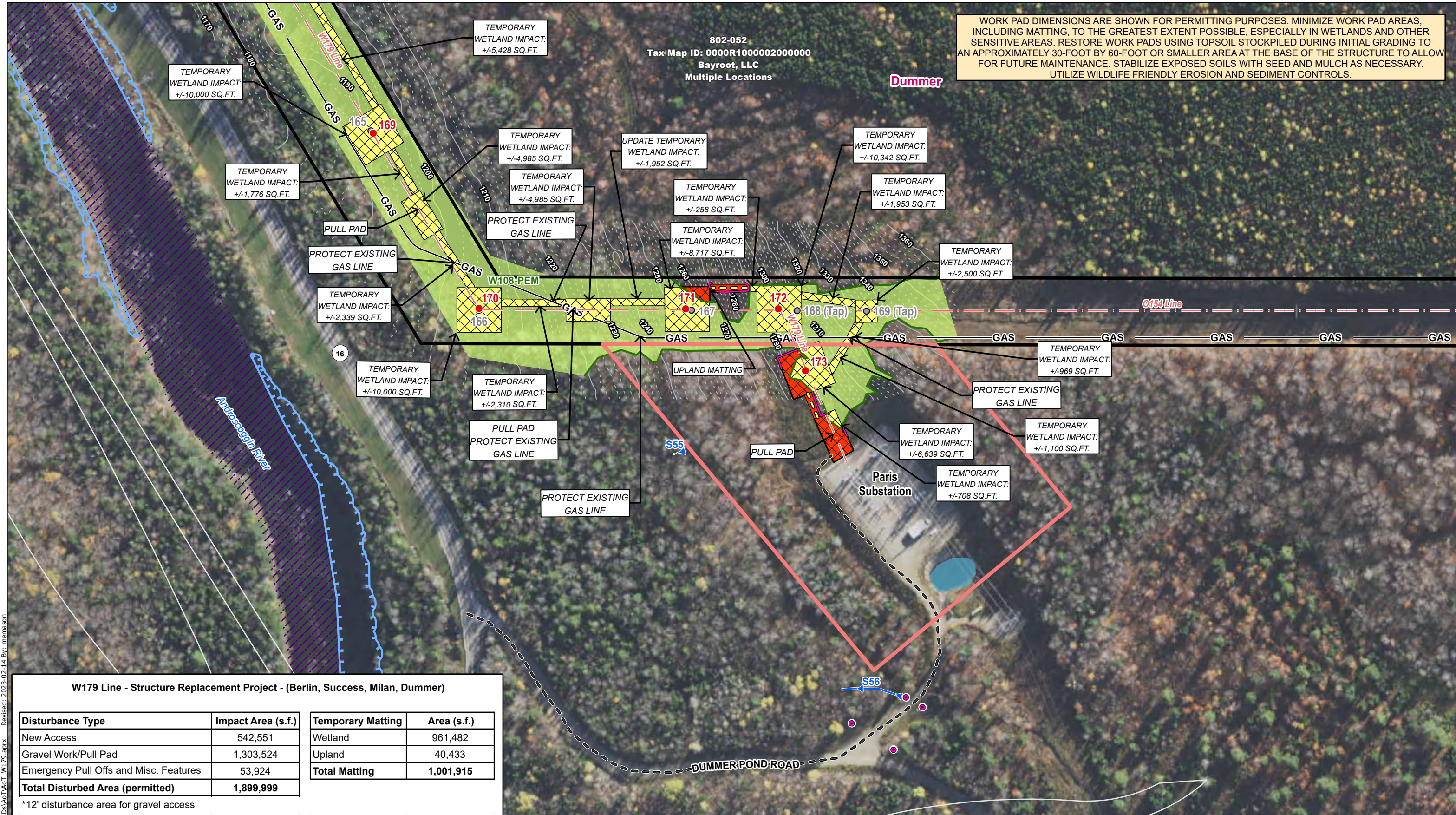
Dummer, NH MAP SHEET 27 of 28

Date: February 14, 2023

Stantec

802-052
 Tax Map ID: 0000R1000002000000
 Bayroot, LLC
 Multiple Locations

WORK PAD DIMENSIONS ARE SHOWN FOR PERMITTING PURPOSES. MINIMIZE WORK PAD AREAS, INCLUDING MATTING, TO THE GREATEST EXTENT POSSIBLE, ESPECIALLY IN WETLANDS AND OTHER SENSITIVE AREAS. RESTORE WORK PADS USING TOPSOIL STOCKPILED DURING INITIAL GRADING TO AN APPROXIMATELY 30-FOOT BY 60-FOOT OR SMALLER AREA AT THE BASE OF THE STRUCTURE TO ALLOW FOR FUTURE MAINTENANCE. STABILIZE EXPOSED SOILS WITH SEED AND MULCH AS NECESSARY. UTILIZE WILDLIFE FRIENDLY EROSION AND SEDIMENT CONTROLS.



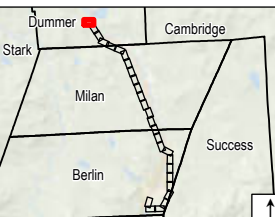
W179 Line - Structure Replacement Project - (Berlin, Success, Milan, Dummer)

Disturbance Type	Impact Area (s.f.)	Temporary Matting	Area (s.f.)
New Access	542,551	Wetland	961,482
Gravel Work/Pull Pad	1,303,524	Upland	40,433
Emergency Pull Offs and Misc. Features	53,924	Total Matting	1,001,915
Total Disturbed Area (permitted)	1,899,999		

*12' disturbance area for gravel access

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INDEX MAP



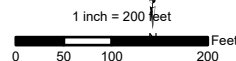
Legend

- Local Potential Contamination Sources
- Wellhead Protection Areas
- Class A Surface Waters RSA 485A9
- Coastal and Great Bay Region Communities (none)
- Designated Rivers Quarter Mile Buffer (none)
- Groundwater Classification Areas GA1 (none)
- Groundwater Classification Areas GA2
- Groundwater Classification Areas GAA (none)
- All Lakes with a Quarter Mile Buffer
- Class A Surface Waters RSA 485A9 Lakes Only
- Quarter Mile Buffer (none)
- Outstanding Resource Water Watersheds
- Surface Waters with Impairments 2016 with Quarter Mile Buffer
- Water Supply Intake Protection Areas
- Watersheds with Chloride Impairments 2016 (none)
- Existing Structure
- Existing Structure to be Removed
- Existing Structure to Remain
- Existing Right-Of-Way (ROW)
- Overhead Transmission Line
- Approximate Distribution Line
- Existing Access
- Off-ROW Access Pending Rights
- Suggested Erosion and Sediment Control (TYP)
- AoT Disturbance Area - Access
- AoT Disturbance Area - Pad
- Temporary Construction Matting
- Stone Work Pad
- Eversource Owned Property
- State Owned Property
- Abutter Number
- Parcel Boundary
- Municipal Boundary
- 2ft Contour
- 10ft Contour
- NHDES Protected Shoreland
- FEMA 100-Year Flood Zone
- FEMA Floodway
- Confirmed Vernal Pool
- Confirmed Vernal Pool Extent
- Delineated Ephemeral Watercourse
- Delineated Intermittent Watercourse
- Delineated Perennial Watercourse
- Field Delineated Wetland Boundary Outline
- Field Delineated Wetland
- Priority Resource Area
- Open Water
- Approximate Gas Line
- Railroad
- Fence
- Stone Wall
- Well
- Culvert
- Gate

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EVSOURCE ENERGY

**W179 Line - Structure Replacement
 Alteration of Terrain Permitting Set
 Surface Water and Groundwater Overlay Plans**

Dummer, NH

MAP SHEET 28 of 28

Date: February 14, 2023



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CONSTRUCTION SEQUENCE:

1. WETLAND BOUNDARIES TO BE CLEARLY MARKED PRIOR TO THE START OF CONSTRUCTION.
2. SEDIMENT AND EROSION CONTROL MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH THE DETAIL PROVIDED, AS NECESSARY.
3. WETLAND IMPACTS ASSOCIATED WITH WETLAND CROSSINGS ARE REQUIRED FOR ACCESS BETWEEN STRUCTURES
4. ADEQUATE PRECAUTION SHALL BE EXERCISED TO AVOID SPILLAGE OF FUEL OILS, CHEMICALS, OR SIMILAR SUBSTANCES; NO FUELS, LUBRICANTS, CHEMICALS OR SIMILAR SUBSTANCES SHALL BE STORED BENEATH TREES OR IN THE VICINITY OF ANY WETLANDS, RIVER, STREAM OR OTHER BODY OF WATER; OR IN THE VICINITY OF NATURAL OR MAN-MADE CHANNELS LEADING THERETO. NO POWER EQUIPMENT SHALL BE STORED, MAINTAINED, OR FUELED IN ANY AREA ADJACENT TO A WETLAND, RIVER, STREAM OR OTHER BODY OF WATER.
5. REMOVE COMPLETELY ALL CONTAMINATION FROM ANY SPILLAGE OF CHEMICALS OR PETROLEUM PRODUCT WITH COMPLETE REHABILITATION OF THE AFFECTED AREA.
6. ACCESS ROUTES HAVE BEEN SELECTED TO PREVENT DEGRADATION OF THE RIGHT-OF-WAY AND MINIMIZE ENVIRONMENTAL IMPACT. OPERATIONS SHALL BE CONFINED TO THE SPECIFIED ACCESS ROUTES WITHIN THE PROPOSED WETLAND IMPACT AREA. MATTED ACCESS ROUTES SHALL NOT EXCEED A 16 FOOT-WIDTH, UPLAND ROUTES SHOULD BE APPROXIMATELY 12- FEET WIDE.
7. IMPACT TO VEGETATION WITHIN WETLANDS WILL BE LIMITED TO THE EXTENT NECESSARY TO PLACE THE SWAMP MATS WHERE REQUIRED. NO ADDITIONAL CLEARING IS PERMITTED.
8. LOW GROWING VARIETIES OF VEGETATION ADJACENT TO WETLANDS SHALL BE PRESERVED TO THE EXTENT POSSIBLE. STUMPS AND ROCKS SHALL NOT BE REMOVED, AND THERE SHALL BE NO EXCAVATIONS, FILLS OR GRADING DONE ADJACENT TO WETLANDS, UNLESS MINOR EXCAVATION IS NEEDED FOR ACCESS.
9. TIMBER MATS WILL BE USED ALONG ACCESS ROUTES WITHIN WETLAND AREAS. THESE MATS ARE CONSTRUCTED OF HEAVY TIMBERS OR COMPOSITE MATERIAL, BOLTED TOGETHER, AND ARE PLACED END-TO-END IN THE WETLAND TO SUPPORT HEAVY EQUIPMENT. ALL SWAMP MATS SHALL BE PLACED AND REMOVED SO AS NOT TO CAUSE ANY RUTS, CHANNELS OR DEPRESSIONS, OR OTHERWISE CAUSE ANY UNDUE DISTURBANCE TO WETLANDS.
10. IF TIMBER MAT BMP IS NOT SUFFICIENT DUE TO HIGH WATER, ADDITIONAL BMP'S MAY INCLUDE THE PLACEMENT OF GEOTEXTILE FABRIC UNDER MATS OR USING A LAYER OF RUNNER MATS TO ELEVATE MATS TO MAINTAIN HYDROLOGIC CONNECTIVITY. ALL MATERIAL WILL BE REMOVED FROM JURISDICTIONAL AREAS AFTER CONSTRUCTION COMPLETION.
11. NO MATERIAL SHALL BE PLACED IN ANY LOCATION OR IN ANY MANNER SO AS TO IMPAIR SURFACE WATER FLOW INTO, THROUGH OR OUT OF ANY WETLAND AREA. NO INSTALLATION SHALL CREATE AN IMPOUNDMENT THAT WILL IMPEDE THE FLOW OF WATER OR CAUSE FLOODING.
12. NO MATERIAL SHALL BE TAKEN FROM THE WETLANDS AREA EXCEPT THAT WHICH MUST NECESSARILY BE REMOVED FOR THE STRUCTURE INSTALLATION. ALL EXCESS MATERIAL TAKEN FROM THE WETLAND WILL BE REMOVED FROM THE SITE AND DISPOSED IN UPLAND.
13. ANY PROPOSED SUPPORT FILLS SHALL BE CLEAN GRAVEL AND STONE, FREE OF WASTE METAL PRODUCTS, ORGANIC MATERIALS AND SIMILAR DEBRIS AND SHALL NOT EXCEED THE AMOUNT PERMITTED. THIS ALLOWABLE FILL IS THE ONLY FILL THAT MAY REMAIN IN THE WETLAND AFTER CONSTRUCTION. ALL CUT AND FILLS SLOPES SHALL BE SEEDED/LOAMED WITHIN 72 HOURS OF ACHIEVING FINISHED GRADE. IMPORTATION OF COMMERCIAL LOAM IS PROHIBITED.
14. INSTALL NEW POLES IN THE LOCATIONS DESIGNATED ON THE PERMITTING PLANS.
15. CABLE INSTALLATION WILL BE PERFORMED IN A MANNER SO AS TO AVOID, OR LIMIT TO THE MAXIMUM EXTENT POSSIBLE, TRAVERSING WETLANDS WITH HEAVY EQUIPMENT. IN SOME CASES, A HELICOPTER MAY BE USED DURING THE INSTALLATION TO MINIMIZE IMPACTS.
16. ALL SWAMP MATS, MATERIAL, AND DEBRIS WILL BE REMOVED FROM THE WORK AREA UPON THE COMPLETION OF CONSTRUCTION.
17. UPLAND DISTURBED AREAS SHALL BE RESTORED AND STABILIZED UPON COMPLETION OF CONSTRUCTION. WORK PAD RESTORATION SHOULD INCLUDE REDUCING THE WORK PAD TO A 30 BY 60 FOOT AREA, AND REDUCING SLOPES TO A MAXIMUM OF 25%. STOCKPILED MATERIAL SHOULD BE SPREAD TO REDUCE ANY UNNECESSARY SLOPES. GRAVEL WORK PADS AND SLOPES SHOULD BE SCARIFIED TO A MINIMUM OF 3" BEFORE SPREADING TOPSOIL/LOAM.
18. ALL TEMPORARY WETLAND IMPACTS WILL BE RE-GRADED TO ORIGINAL CONTOURS FOLLOWING CONSTRUCTION, IF NEEDED. NEW ENGLAND EROSION CONTROL/RESTORATION MIX, OR EQUIVALENT SEED MIX SHALL BE APPLIED IN WETLAND AREAS THAT ARE NOT INUNDATED, AS NECESSARY.
19. SEDIMENT AND EROSION CONTROL MEASURES WILL BE EVALUATED AND REMOVED IF NECESSARY UPON THE COMPLETION OF CONSTRUCTION.
20. COMMERCIAL LOAM WILL NOT BE USED AS PART OF RESTORATION. ONLY IN-SITU TOPSOIL WILL BE USED TO RESTORE DISTURBED AREAS.
21. WHERE PEATLANDS ARE MAPPED ADJACENT TO THE ROW, THE ASSOCIATED WETLANDS WITHIN THE ROW SHALL BE TREATED AS A PEATLAND AND PRIORITY RESOURCE AREA. ELEVATED MATTING SHALL BE USED AS NECESSARY TO PREVENT EXCESSIVE GROUND DISTURBANCE WITHIN THESE AREAS.

WINTER CONSTRUCTION NOTES

1. PROPOSED VEGETATED AREAS WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCTOBER 15TH, OR WHICH ARE DISTURBED AFTER OCTOBER 15TH, SHALL BE STABILIZED. STABILIZATION METHODS SHALL INCLUDE SEEDING AND MULCH, AND INSTALLATION OF EROSION CONTROL BLANKETS ON SLOPES GREATER THAN 3:1, AND SEEDING AND PLACING 3 TO 4 TONS OF MULCH PER ACRE, SECURED WITH ANCHORED NETTING, ELSEWHERE. THE INSTALLATION OF EROSION CONTROL BLANKETS OR MULCH AND NETTING SHALL NOT OCCUR OVER ACCUMULATED SNOW OR FROZEN GROUND AND SHALL BE COMPLETED IN ADVANCE OF THAW OR SPRING MELT EVENTS
2. DITCHES OR SWALES WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCTOBER 15TH, OR WHICH ARE DISTURBED AFTER OCTOBER 15TH, SHALL BE TEMPORARILY STABILIZED WITH STONE OR EROSION CONTROL BLANKETS APPROPRIATE FOR THE DESIGN FLOW CONDITIONS.

3. AFTER NOVEMBER 15TH, INCOMPLETE ROAD OR PARKING SURFACES, WHERE WORK HAS STOPPED FOR THE WINTER SEASON, SHALL BE PROTECTED WITH A MINIMUM OF 3 INCHES OF CRUSHED GRAVEL (NHDOT 304.3).

GENERAL NOTES:

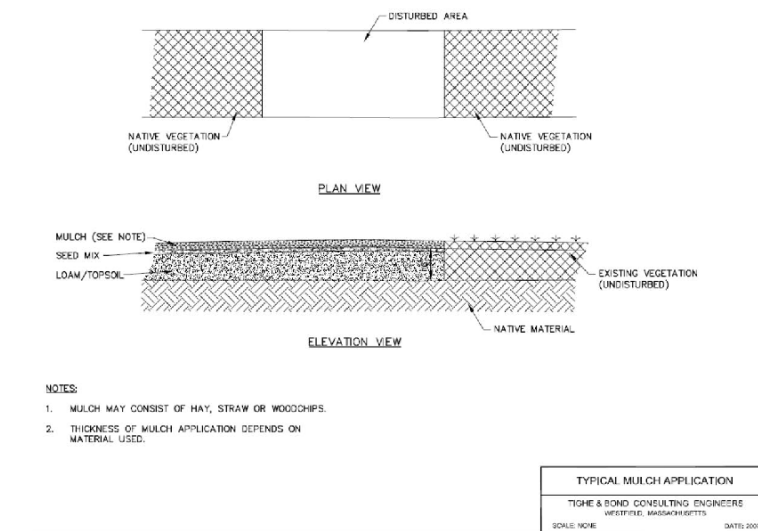
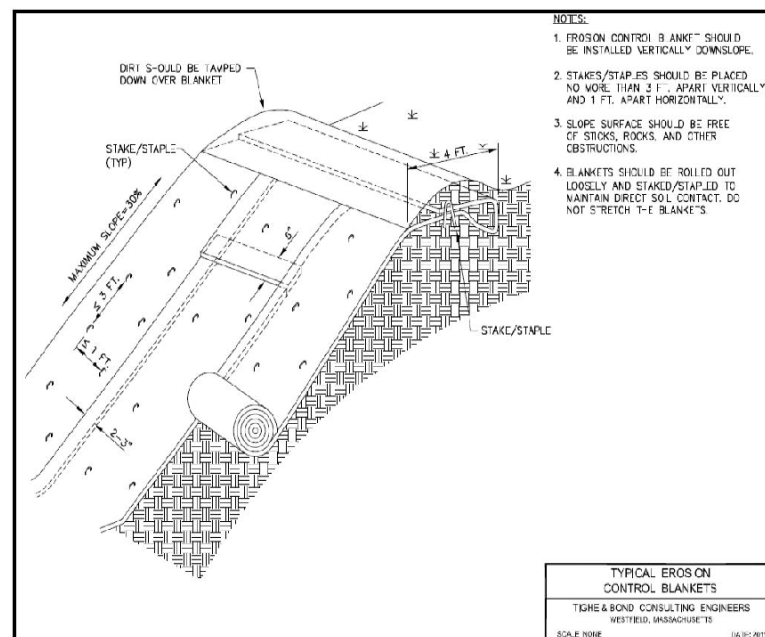
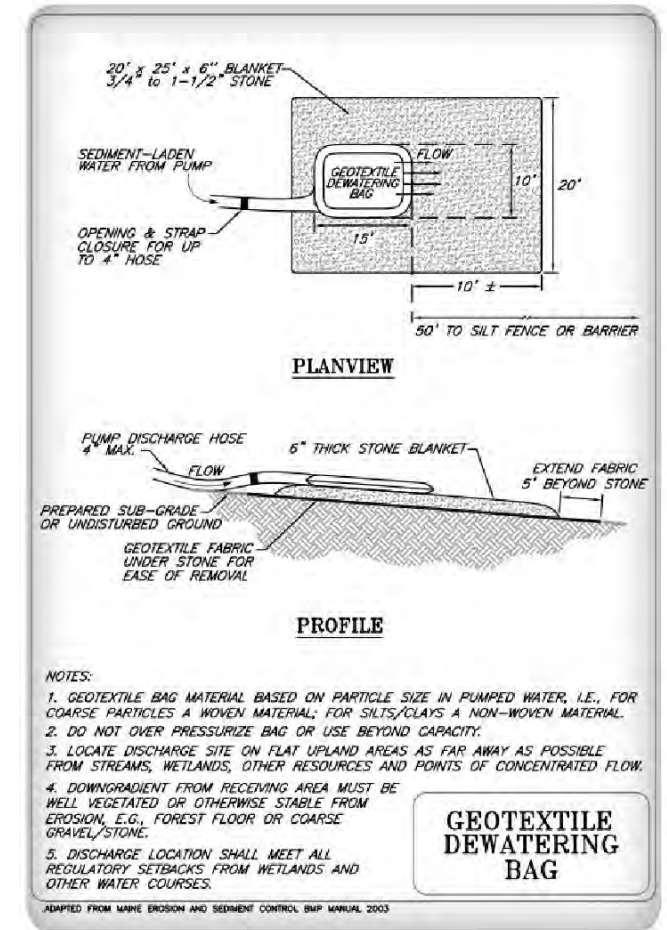
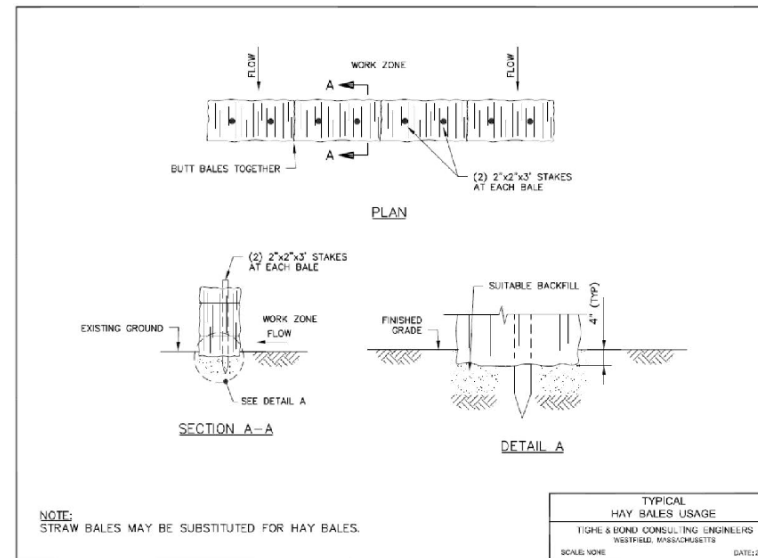
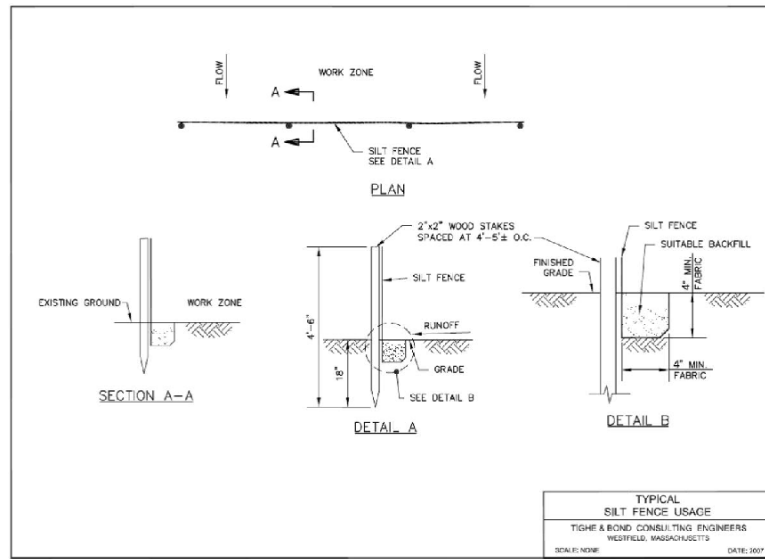
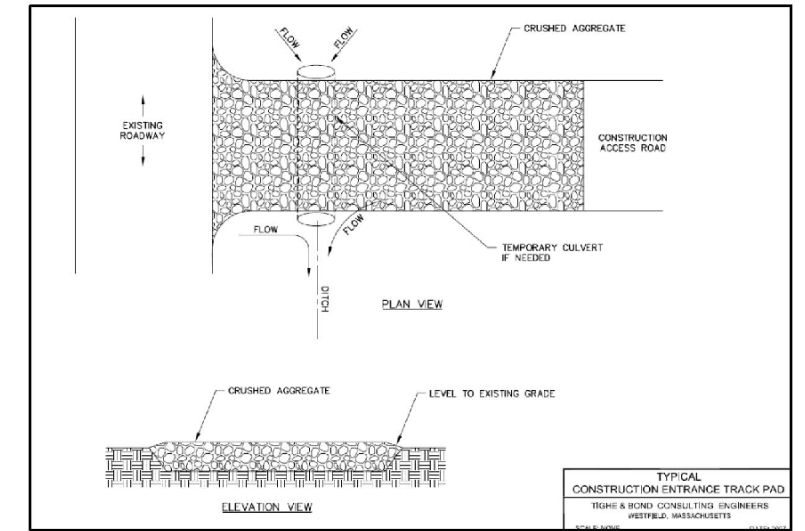
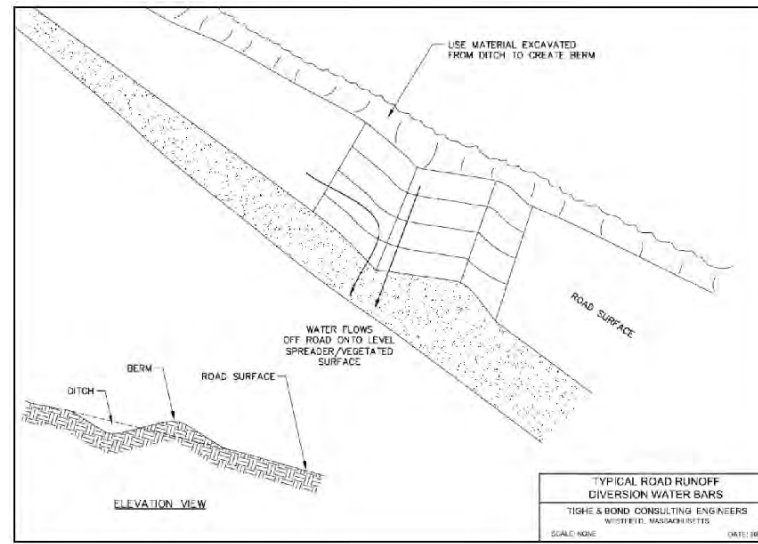
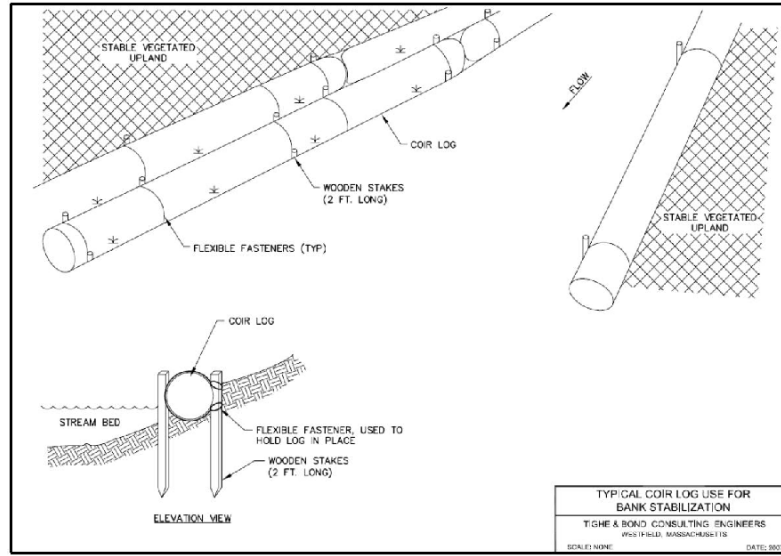
OWNER: PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE d/b/a EVERSOURCE ENERGY
 13 LEGENDS DRIVE
 HOOKSETT, NH 03106

1. BASE PLAN PROVIDED BY EVERSOURCE ENERGY. STANTEC PROVIDED THE WETLAND DATA. EVERSOURCE ENERGY PROVIDED THE UTILITY DESIGN.
2. JURISDICTIONAL WETLANDS WERE DELINEATED BY STANTEC IN 2021. WETLANDS WERE DELINEATED IN ACCORDANCE WITH THE 1987 U.S. ARMY CORPS OF ENGINEERS' "WETLANDS DELINEATION MANUAL, TECHNICAL REPORT Y-87-1," AND REGIONAL SUPPLEMENT TO THE CORPS OF ENGINEERS WETLAND DELINEATION MANUAL: NORTH CENTRAL AND NORTHEAST REGION," JANUARY 2012.
3. SITE PLAN IS FOR PERMITTING PURPOSES ONLY AND DOES NOT REPRESENT A PROPERTY BOUNDARY SURVEY.
4. THE PROJECT WILL BE MANAGED IN A MANNER THAT MEETS THE REQUIREMENTS AND INTENT OF RSA 430:53 AND CHAPTER AGR 3800 RELATIVE TO INVASIVE SPECIES.
5. IN ACCORDANCE WITH ENV-WQ 1505.02, THE SMALLEST PRACTICAL AREA SHALL BE DISTURBED DURING CONSTRUCTION, BUT IN NO CASE SHALL EXCEED 5 ACRES AT ANY ONE TIME BEFORE DISTURBED AREAS ARE STABILIZED. AN AREA SHALL BE CONSIDERED STABLE IF ONE OF THE FOLLOWING HAS OCCURRED:
 - A MINIMUM 85 PERCENT VEGETATED GROWTH HAS BEEN ESTABLISHED
 - A MINIMUM OF 3 INCHES OF NON-EROSIVE MATERIAL HAS BEEN INSTALLED
 - OR, EROSION CONTROL BLANKETS HAVE BEEN PROPERLY INSTALLED.
6. IN THE EVENT THAT A RARE OR THREATENED SPECIES IS OBSERVED, THE NEW HAMPSHIRE FISH AND GAME AND NEW HAMPSHIRE NATURAL HERITAGE BUREAU (NHB) WILL BE NOTIFIED.

EROSION CONTROL NOTES:

1. INSTALLATION OF EROSION CONTROL GRINDINGS AND/OR SILT FENCES SHALL BE COMPLETE PRIOR TO THE START OF WORK IN ANY GIVEN AREA. EROSION CONTROLS SHALL BE USED DURING CONSTRUCTION AND REMOVED WHEN ALL SLOPES HAVE A HEALTHY STAND OF VEGETATION COVER. EROSION CONTROL MEASURES SHALL BE INSPECTED ON A WEEKLY BASIS AND AFTER .25" OR GREATER RAINFALL EVENTS.
2. AS REQUIRED, CONSTRUCT TEMPORARY BERMS, SILTATION FENCES, SEDIMENT TRAPS, ETC. TO PREVENT EROSION & SEDIMENTATION OF WETLANDS.
3. THE WORK AREA SHALL BE GRADED AND OTHERWISE SHAPED IN SUCH A MANNER AS TO MINIMIZE SOIL EROSION, SILTATION OF DRAINAGE CHANNELS, DAMAGE TO EXISTING VEGETATION, AND DAMAGE TO PROPERTY OUTSIDE LIMITS OF THE WORK AREA. EROSION CONTROL GRINDINGS WILL BE NECESSARY TO ACCOMPLISH THIS END.
4. ANY STRIPPED TOPSOIL SHALL BE STOCKPILED, WITHOUT COMPACTION, AND STABILIZED WITH BMPS.
5. PERMANENT OR TEMPORARY COVER MUST BE IN PLACE BEFORE THE GROWING SEASON ENDS. WHEN SEEDED AREAS ARE NOT MULCHED, PLANTINGS SHOULD BE MADE FROM EARLY SPRING TO MAY 20 OR FROM AUGUST 15 TO SEPTEMBER 15. NO DISTURBED AREA SHALL BE LEFT EXPOSED DURING WINTER MONTHS, PLANT ANNUAL RYEGRASS PRIOR TO OCTOBER 15TH.
6. EROSION CONTROLS SHALL BE INSPECTED WEEKLY AND AFTER EVERY HALF-INCH OF RAINFALL.
7. EROSION CONTROL MATTING, IF REQUIRED, WILL CONSIST OF JUTE MATTING. MATTING WITH WELDED PLASTIC OR 'BIODEGRADABLE PLASTIC' NETTING OR THREAD WILL BE AVOIDED TO LIMIT UNINTENTIONAL MORTALITY TO SNAKES OR OTHER SMALL ANIMALS.

<p align="center"> W179 Transmission Line Rebuild Project Alteration of Terrain Berlin, Milan, Dummer, New Hampshire Notes and Details Page 1 of 3 </p>	
	
	<p>February 13, 2023</p>

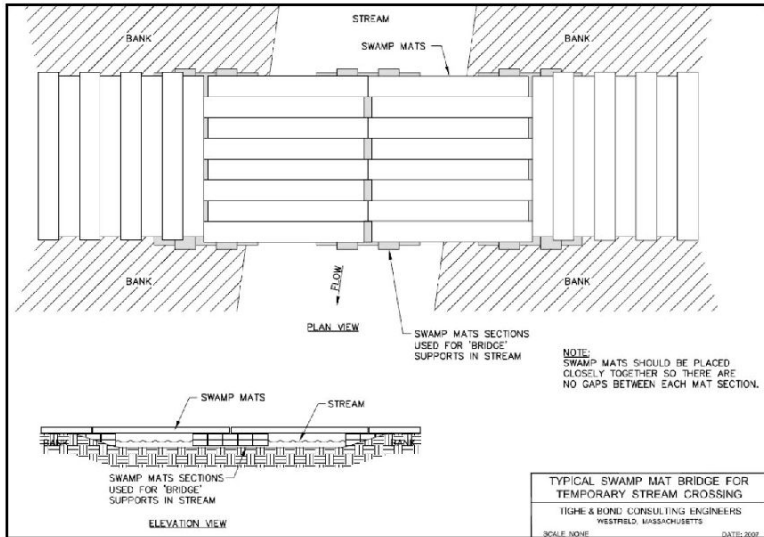
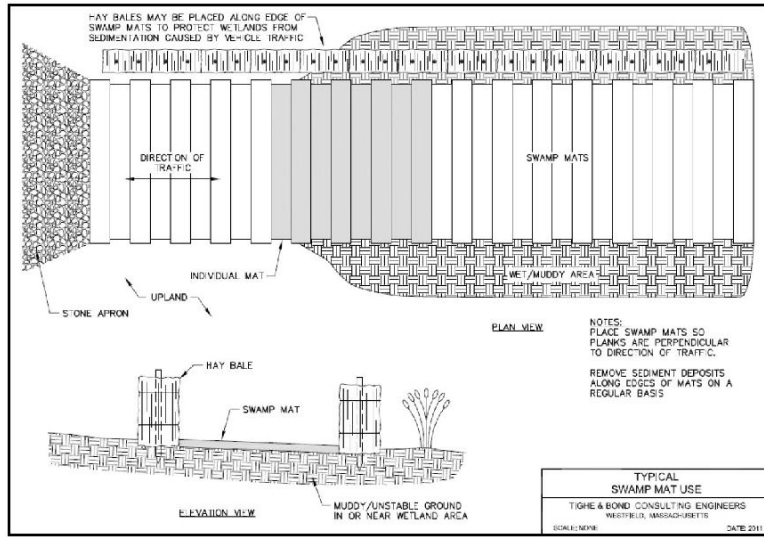


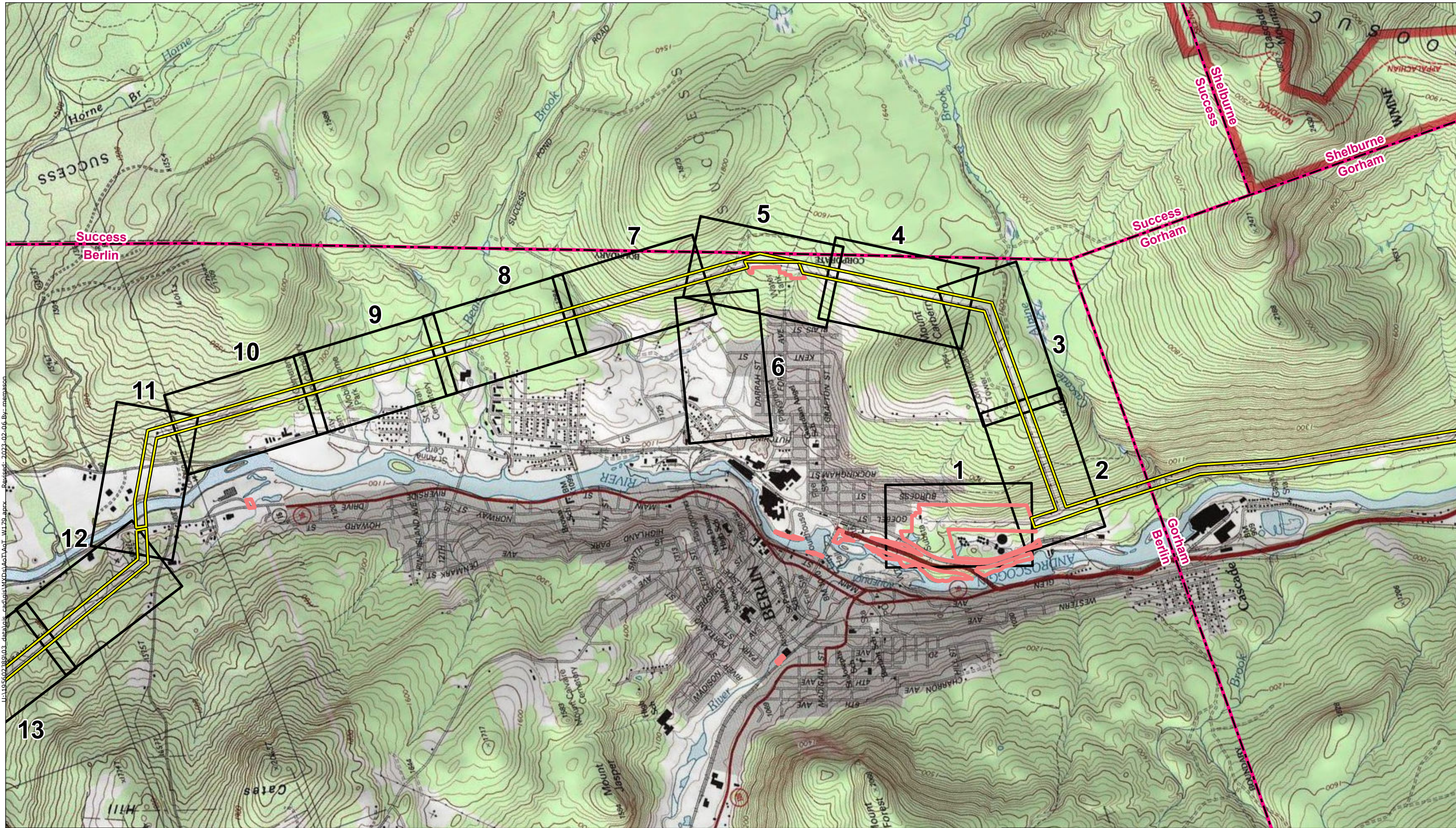
W179 Transmission Line Rebuild Project
 Alteration of Terrain
 Berlin, Milan, Dummer, New Hampshire
 Notes and Details
 Page 2 of 3

EVERSOURCE ENERGY

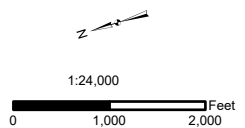
Stantec

February 13, 2023





- Legend**
- Substation
 - Existing Right-of-Way (ROW)
 - Eversource Owned Property
 - Map Sheet
 - Municipal Boundary



Map Notes:
 Coordinate System: NAD 1983 StatePlane Connecticut FIPS 0600 Feet
 Data source: Right-of-way and Eversource Owned Properties provided by Eversource Energy. Other sources: CT DEEP. Basemap: USGS Topographic map provided by The National Map Mapping Service (<https://basemap.nationalmap.gov/arcgis/services/USGSImageryTopo>)

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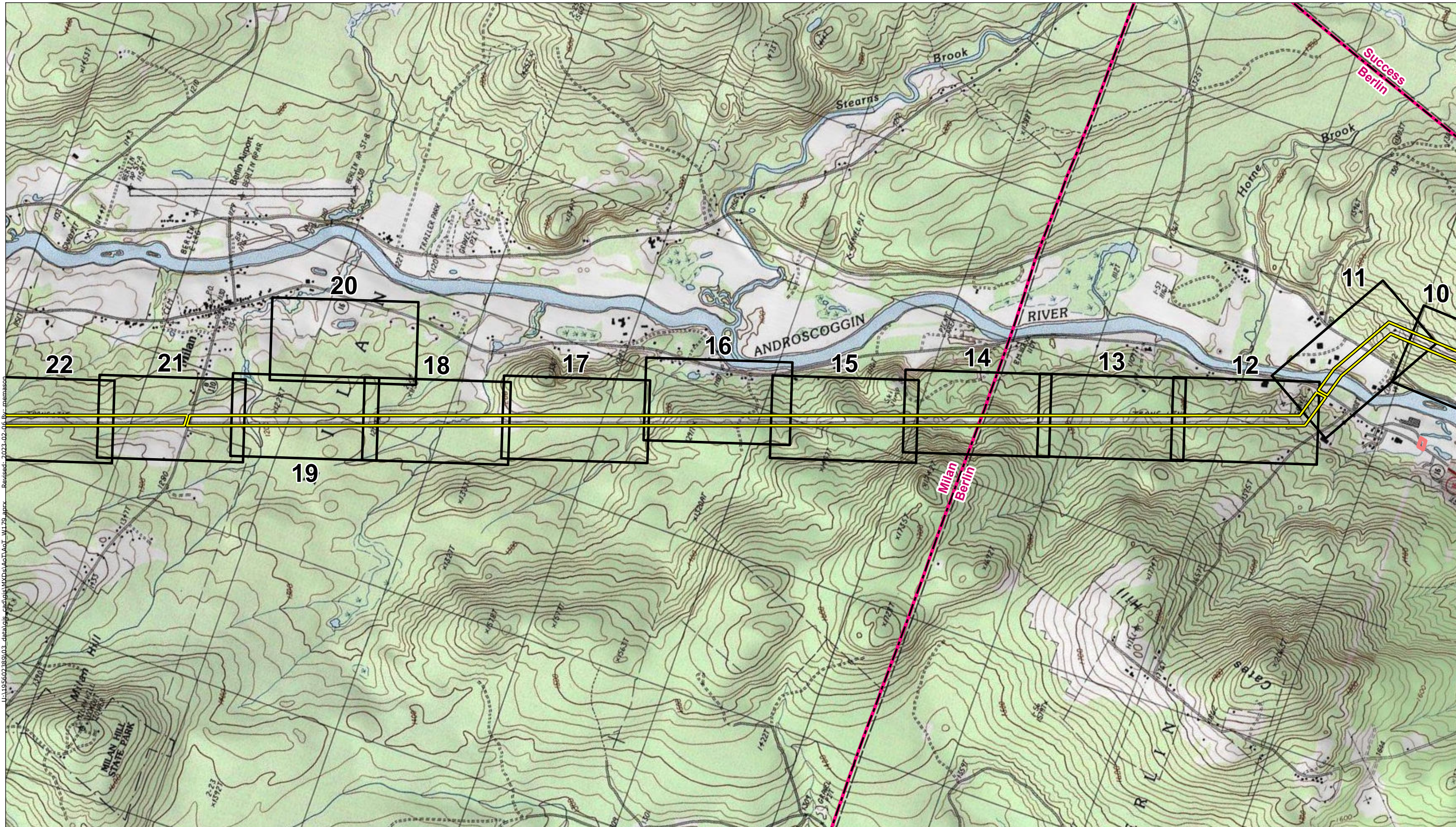
NO.	DATE	REVISIONS

Stantec

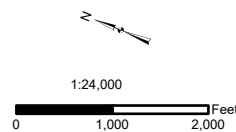
**W179 Line
Structure Replacement Project
USGS Site Plan**

Berlin, Success, Milan, Dummer, NH	MAP SHEET
Date: February 06, 2023	1 of 3

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- Legend**
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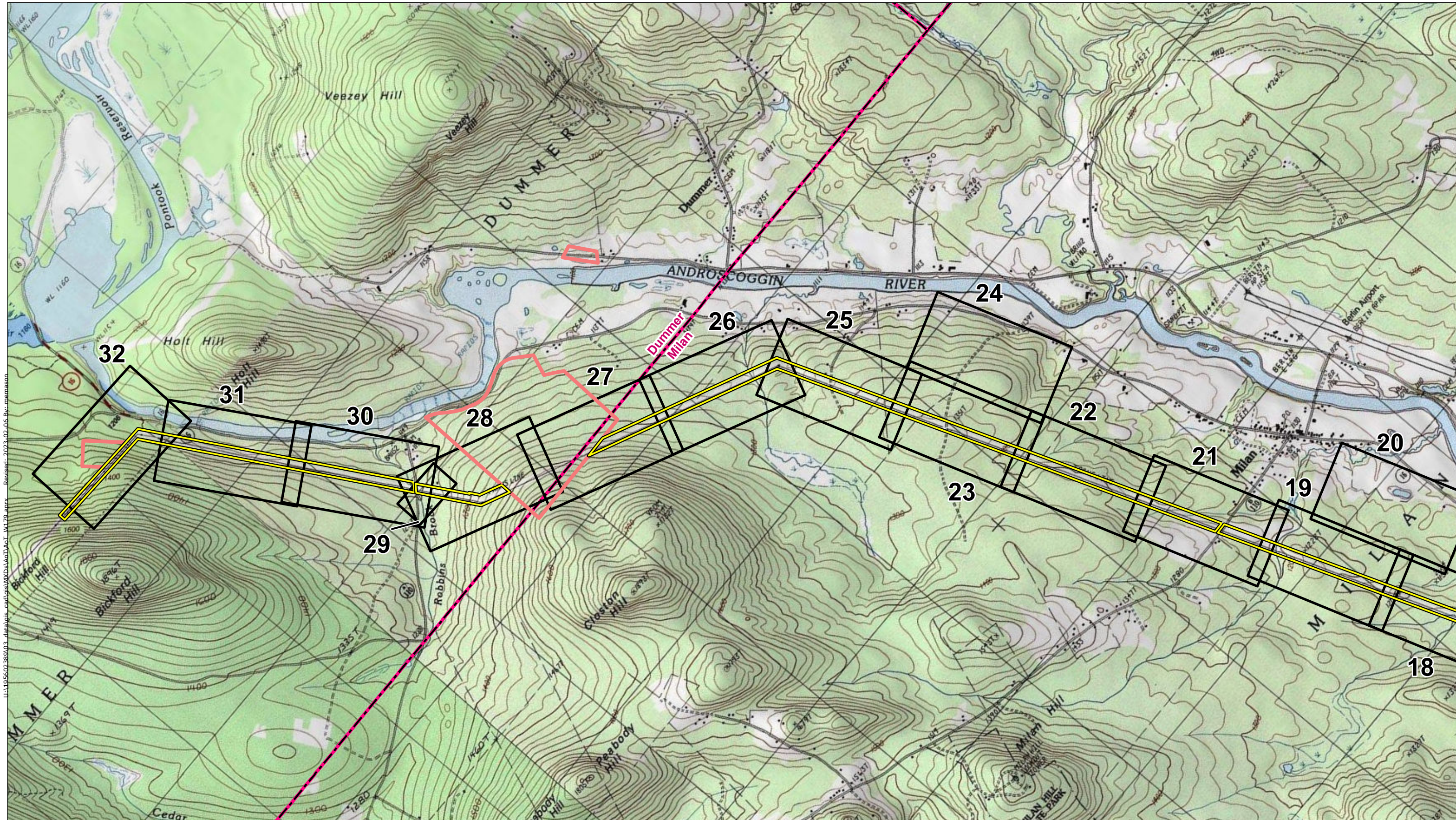
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NO.	DATE	REVISIONS

Stantec

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Structure Replacement Project
USGS Site Plan**

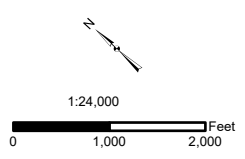
Berlin, Success, Milan, Dummer, NH	MAP SHEET
Date: February 06, 2023	2 of 3



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W179 Line Structure Replacement Project USGS Site Plan		
Berlin, Success, Milan, Dummer, NH		MAP SHEET
Date: February 06, 2023		3 of 3
NO.	DATE	REVISIONS