

**Existing Conditions**

- Existing Structure
- Existing Structure to be Removed
- Existing Right of Way
- Existing Transmission Line
- Existing Transmission Line to be Removed
- 100-year Floodzone
- Wetlands
- USACE Reviewed Wetlands

- Vernal Pool
- 100' Buffer of Vernal Pools
- Stream Buffer (varies : 25', 50', or 100')
- Delineated Waterbodies**
  - Perennial
  - Intermittent
  - Ephemeral
- Stream Centerlines**
  - Perennial
  - Intermittent
  - Ephemeral

0 25 50 100 Feet

- LiDAR 10' Contour
- LiDAR 2' Contour
- USGS 10' Contour
- USGS 2' Contour

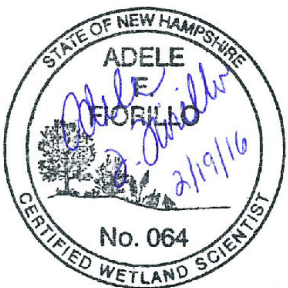
**Proposed Conditions**

- Proposed Structure - No Permanent Impact
- Proposed Structure - Permanent Impact
- Proposed New ROW
- Proposed Transmission/Distribution Line
- Trenched UG
- Trenchless UG
- New Access Route
- Existing Access Route
- Temporary Construction Pad
- Temporary Area of Disturbance - Construction Pad
- Erosion and Sedimentation Control BMPs
- Erosion and Sedimentation Control BMPs (Steep Slope)
- Temporary Wetlands Matting
- Permanent Impacts - Stations

1 inch equals 100 feet when printed at 11" x 17"

- Vegetation Clearing Areas
- Span Stream with No Permanent Impacts
- RTE Bars**
  - Animal
  - Vegetation
  - Both

- UG Disturbance Area
- UG Splice Vaults
- Lay Down Yard
- Limit of Disturbance - Stations



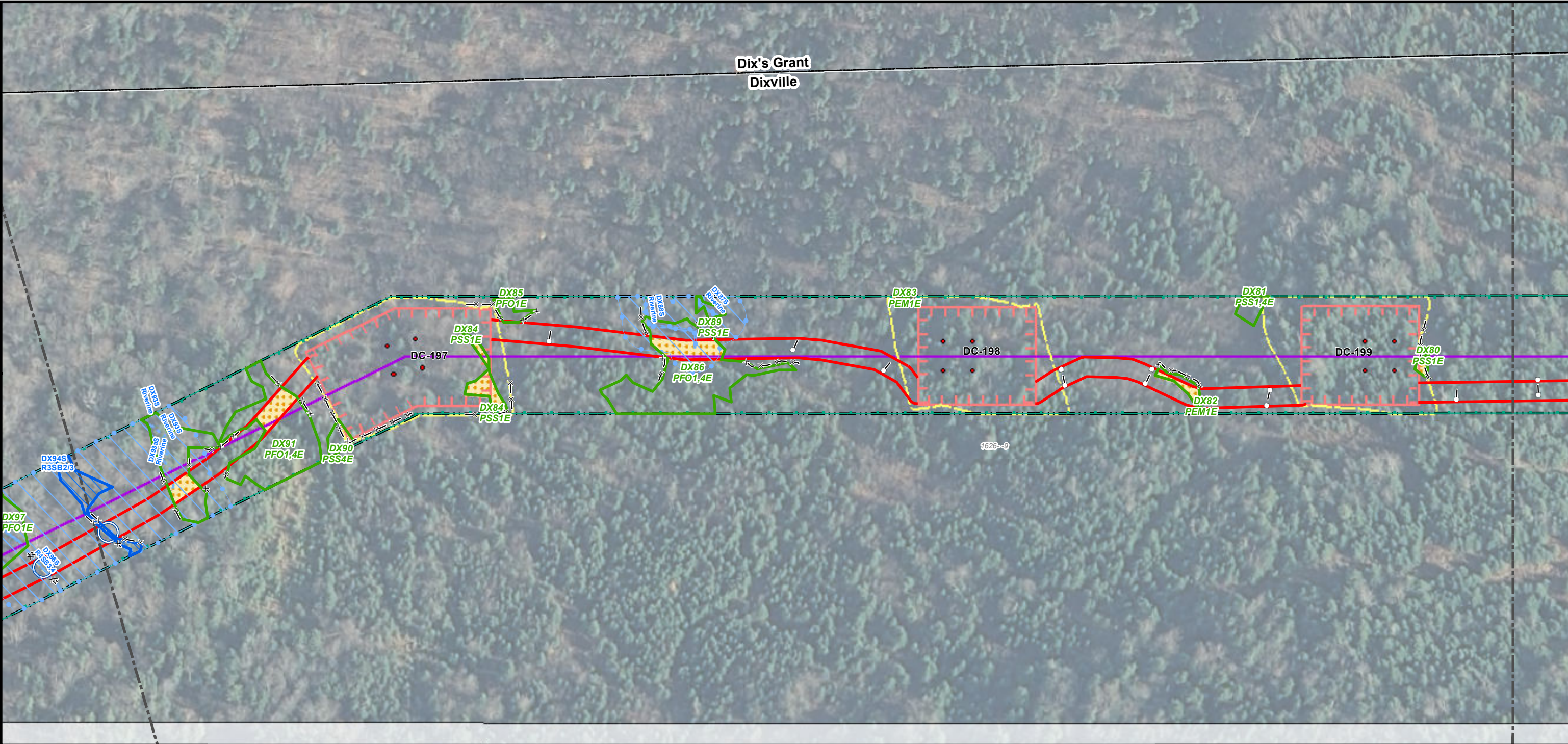
**NHDES Wetlands & US Army Corps of Engineers  
Section 404/10 Permit Application Plans**

**THE NORTHERN PASS PROPOSED ROUTE**

Jurisdictional Impact Type and Amount			Extent of Clearing (sq ft)		
Wetland / Waterbody	Temporary Impact (sq ft)	Permanent Impact (sq ft)	In Forested Wetlands	Uplands w/in 100' of Streams	Uplands w/in 100' of Vernal Pools
DX97, PFO1E	0	0	6,532	10,362	35,534
DX98, PSS1E	2,168	0			
DX94S, R3SB2/3	0	0			
DX96S, R4SB3.4	41	0			

Sources: NH GRANIT, Normandeau; Cornerstone, Burns & McDonnell.





Dix's Grant

Wentworth Location

Dixville

Existing Conditions

Existing Structure

Existing Structure to be Removed

Existing Right of Way

Existing Transmission Line

Existing Transmission Line to be Removed

100-year Floodzone

Wetlands

USACE Reviewed Wetlands

Vernal Pool

100' Buffer of Vernal Pools

Stream Buffer (varies : 25',50', or 100')

Delineated Waterbodies

Perennial

Intermittent

Ephemeral

Stream Centerlines

Perennial

Intermittent

Ephemeral

Proposed Conditions

Proposed Structure - No Permanent Impact

Proposed Structure - Permanent Impact

Proposed New ROW

Proposed Transmission/Distribution Line

Trenched UG

Trenchless UG

LiDAR 10' Contour

LiDAR 2' Contour

USGS 10' Contour

USGS 2' Contour

New Access Route

Existing Access Route

Temporary Construction Pad

Temporary Area of Disturbance - Construction Pad

Erosion and Sedimentation Control BMPs

Erosion and Sedimentation Control BMPs (Steep Slope)

Temporary Wetlands Matting

Permanent Impacts - Stations

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Vegetation Clearing Areas

Span Stream with No Permanent Impacts

RTE Bars

Animal

Vegetation

Both

UG Disturbance Area

UG Splice Vaults

Lay Down Yard

Limit of Disturbance - Stations

State of New Hampshire Seal

ADELE E. HERRILL

2/19/16

No. 064

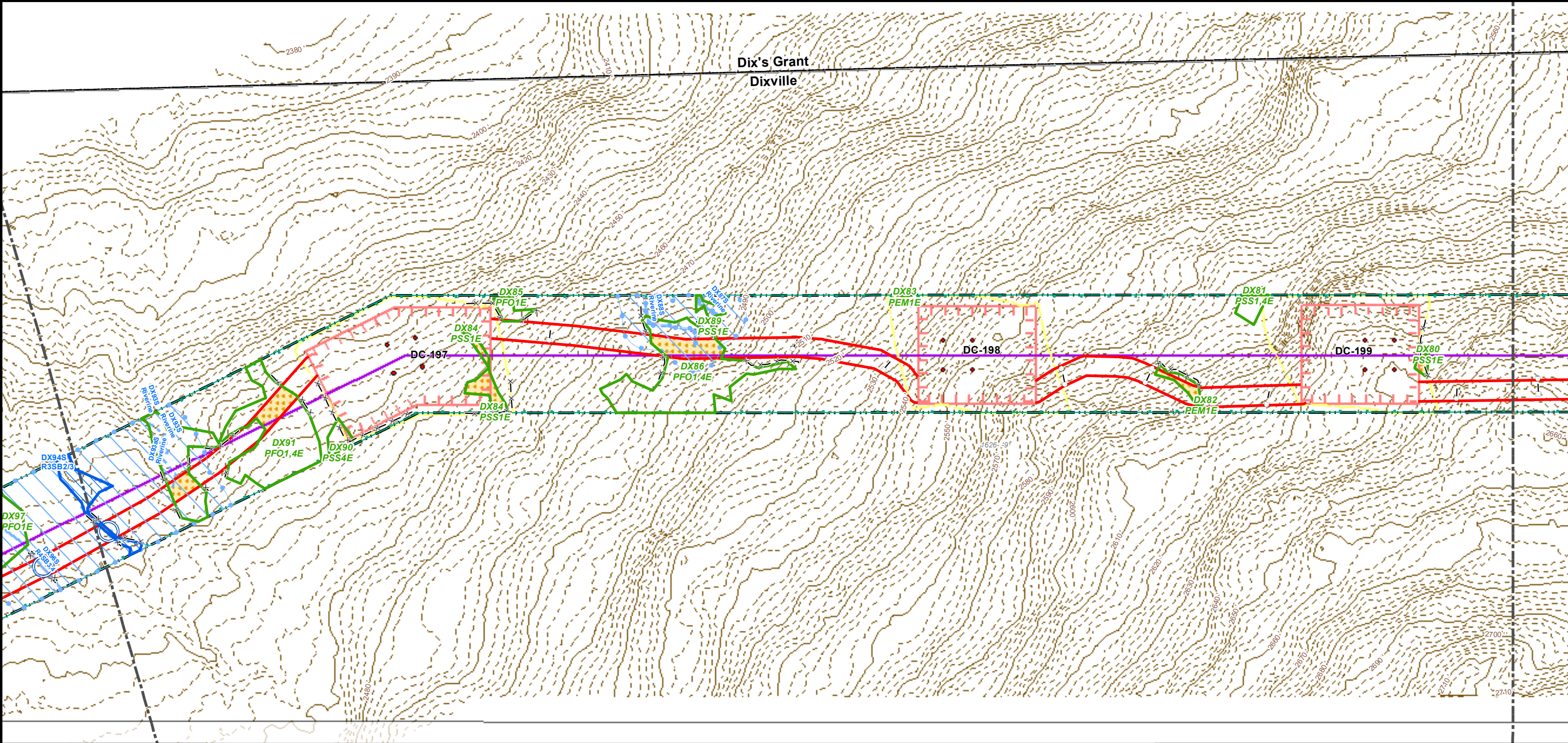
CERTIFIED WETLAND SCIENTIST

North Arrow

NHDES Wetlands & US Army Corps of Engineers Section 404/10 Permit Application Plans						
THE NORTHERN PASS PROPOSED ROUTE						
Jurisdictional Impact Type and Amount			Extent of Clearing (sq ft)			
Wetland / Waterbody	Temporary Impact (sq ft)	Permanent Impact (sq ft)	In Forested Wetlands	Uplands w/in 100' of Streams	Uplands w/in 100' of Vernal Pools	
DX80, PSS1E	131	0	19,399	15,514	0	
DX81, PSS1,4E	28	0				
DX82, PEM1E	378	0				
DX83, PEM1E	44	0				
DX84, PSS1E	1,017	0				
DX85, PFO1E	14	0				
DX86, PFO1,4E	1,338	0				
DX89, PSS1E	0	0				
DX90, PSS4E	81	0				
DX91, PFO1,4E	1,496	0				
DX87S, Riverine	0	0				
DX88S, Riverine	16	0				
DX93aS, Riverine	0	0				
DX93S, Riverine	31	0				
DX94S, R3SB2/3	61	0				
Date: 1/11/2017			* High Quality Wetland, ^ Corps Reviewed			Sheet : 079

Sources: NH GRANIT, Normandeau; Cornerstone, Burns & McDonnell.





Dix's Grant

Wentworth Location

Dixville

Existing Conditions

Existing Structure

Existing Structure to be Removed

Existing Right of Way

Existing Transmission Line

Existing Transmission Line to be Removed

100-year Floodzone

Wetlands

USACE Reviewed Wetlands

Vernal Pool

100' Buffer of Vernal Pools

Stream Buffer (varies : 25', 50', or 100')

Delineated Waterbodies

Perennial

Intermittent

Ephemeral

Stream Centerlines

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Proposed Conditions

Proposed Structure - No Permanent Impact

Proposed Structure - Permanent Impact

Proposed New ROW

Proposed Transmission/Distribution Line

Trenched UG

Trenchless UG

LiDAR 10' Contour

LiDAR 2' Contour

USGS 10' Contour

USGS 2' Contour

New Access Route

Existing Access Route

Temporary Construction Pad

Temporary Area of Disturbance - Construction Pad

Erosion and Sedimentation Control BMPs

Erosion and Sedimentation Control BMPs (Steep Slope)

Temporary Wetlands Matting

Permanent Impacts - Stations

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Vegetation Clearing Areas

Span Stream with No Permanent Impacts

RTE Bars

Animal

Vegetation

Both

UG Disturbance Area

UG Splice Vaults

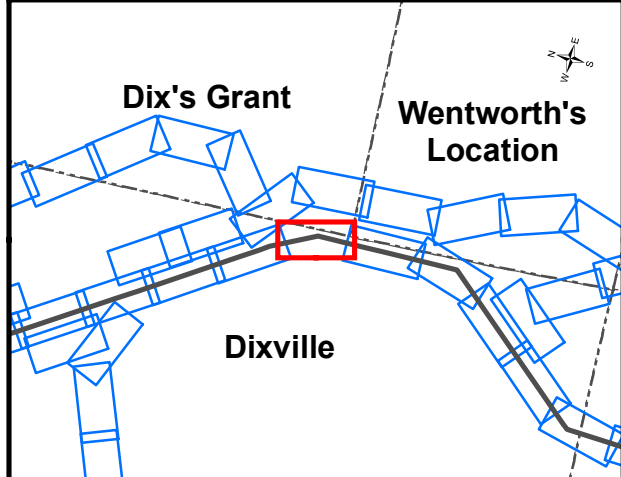
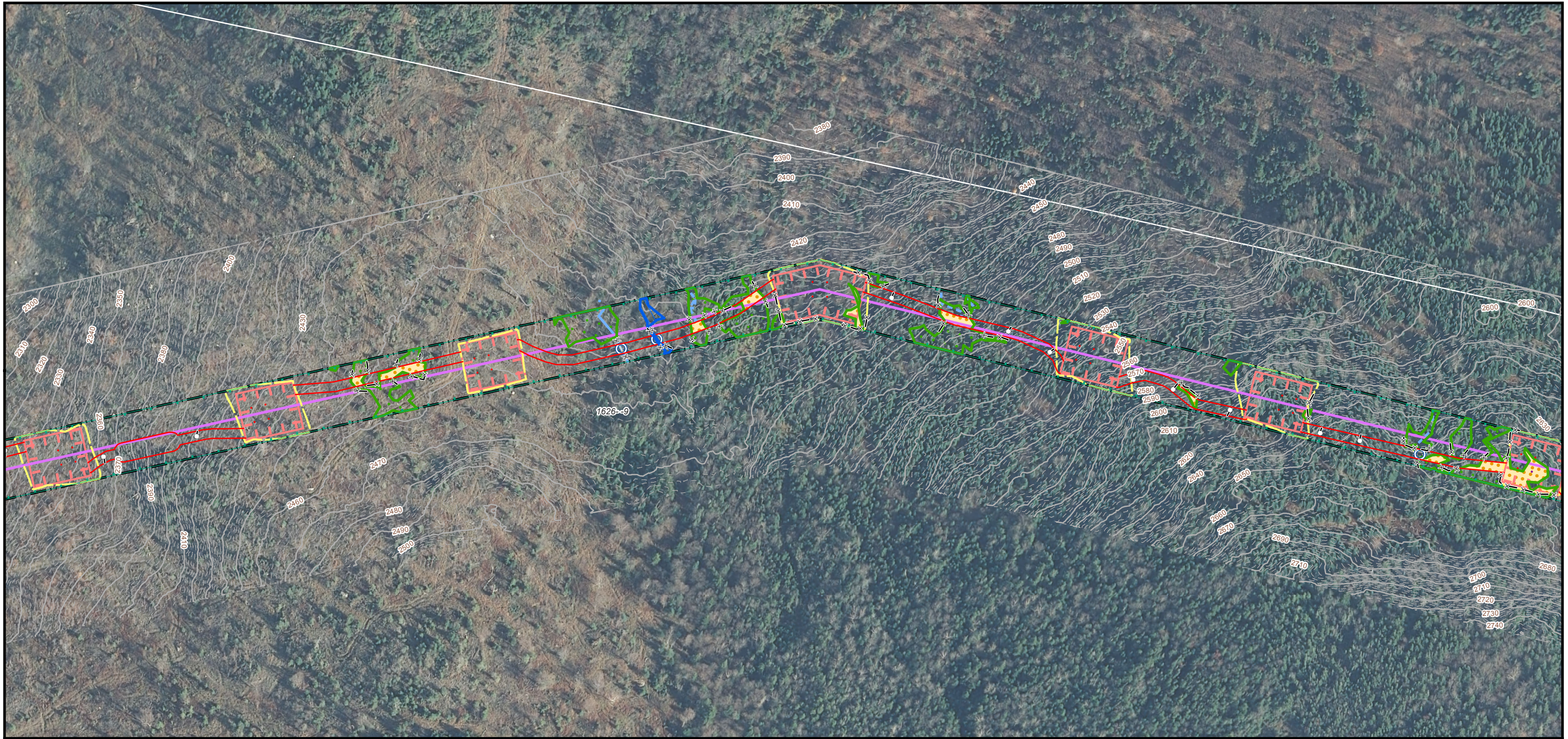
Lay Down Yard

Limit of Disturbance - Stations

NHDES Wetlands & US Army Corps of Engineers Section 404/10 Permit Application Plans						
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DX81, PSS1,4E	28	0				
DX82, PEM1E	378	0				
DX83, PEM1E	44	0				
DX84, PSS1E	1,017	0				
DX85, PFO1E	14	0				
DX86, PFO1,4E	1,338	0				
DX89, PSS1E	0	0				
DX90, PSS4E	81	0				
DX91, PFO1,4E	1,496	0				
DX87S, Riverine	0	0				
DX88S, Riverine	16	0				
DX93aS, Riverine	0	0				
DX93S, Riverine	31	0				
DX94S, R3SB2/3	61	0				
Date: 1/11/2017			* High Quality Wetland, ^ Corps Reviewed		Sheet : 079	

Sources: NH GRANIT, Normandeau; Cornerstone, Burns & McDonnell.





<p><b>Existing Conditions</b></p> <ul style="list-style-type: none"> <li>Existing Structure</li> <li>Existing Structure to be Removed</li> <li>Existing Transmission Line</li> <li>Existing Transmission Line to be Removed</li> <li>Existing Right of Way</li> <li>Wetlands</li> <li>USACE Reviewed Wetlands</li> </ul>	<ul style="list-style-type: none"> <li>LiDAR 10' Contour</li> <li>LiDAR 2' Contour</li> <li>USGS 10' Contour</li> <li>USGS 2' Contour</li> <li>Parcels</li> <li>100-year Floodzone</li> </ul> <p><b>Delineated Waterbodies</b></p> <ul style="list-style-type: none"> <li>Perennial</li> <li>Intermittent</li> <li>Ephemeral</li> </ul>	<p><b>Stream Centerlines</b></p> <ul style="list-style-type: none"> <li>Perennial</li> <li>Intermittent</li> <li>Ephemeral</li> </ul> <p><b>Proposed Conditions</b></p> <ul style="list-style-type: none"> <li>Proposed Structure - No Permanent Impact</li> <li>Proposed Structure - Permanent Impact</li> <li>Proposed Transmission / Distribution Line</li> </ul>	<ul style="list-style-type: none"> <li>Temporary Construction Pad</li> <li>Proposed New Right of Way</li> <li>Proposed Access Route</li> <li>Temporary Work Pad Disturbance Area</li> <li>Temporary Wetlands Matting (16' x 16')</li> <li>Erosion and Sedimentation Control BMPs</li> <li>Erosion and Sedimentation Control BMPs (Steep Slope)</li> </ul>	<ul style="list-style-type: none"> <li>Trenched UG</li> <li>Trenchless UG</li> <li>UG Splice Vault</li> <li>UG Sending/Receiving Pit</li> <li>Vegetation Clearing Areas</li> <li>Span Stream with No Permanent Impacts</li> </ul>
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1 inch equals 200 feet when printed at 11" x 17"

0 100 200 Feet

**The Northern Pass Transmission Project**

**NHDES Alteration of Terrain**

**Permit Application Plans**

Sheet 040

**THE NORTHERN PASS**

1/11/2017

Source: New Hampshire GRANIT GIS Data, Normandeau, Cornerstone, Burns & McDonnell