































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

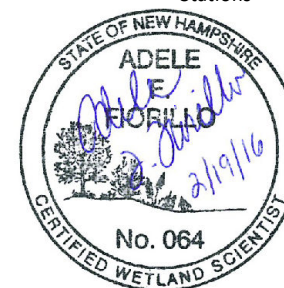
-  Vernal Pool
 -  100' Buffer of Vernal Pools
 -  Stream Buffer (varies : 25', 50', or 100')
- Delineated Waterbodies**
-  Perennial
 -  Intermittent
 -  Ephemeral
- Stream Centerlines**
-  Perennial
 -  Intermittent
 -  Ephemeral

-
- Proposed Conditions**
- LiDAR 10' Contour
 - LiDAR 2' Contour
 - USGS 10' Contour
 - USGS 2' Contour
 - 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

-  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



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



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

THE NORTHERN PASS PROPOSED ROUTE

[illegible]

Date: 1/23/2017

* High Quality Wetland, ^ Corps Reviewed
--

Sheet : 139



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

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

Vegetation Clearing Areas

Span Stream with No Permanent Impacts

RTE Bars

Animal

Vegetation

Both

UG Disturbance Area

UG Splice Vaults

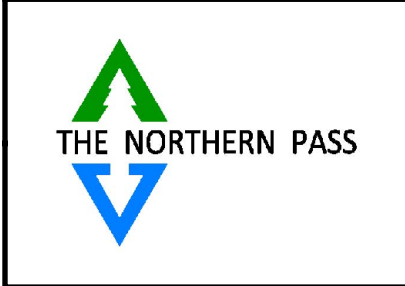
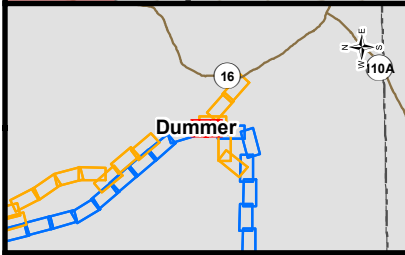
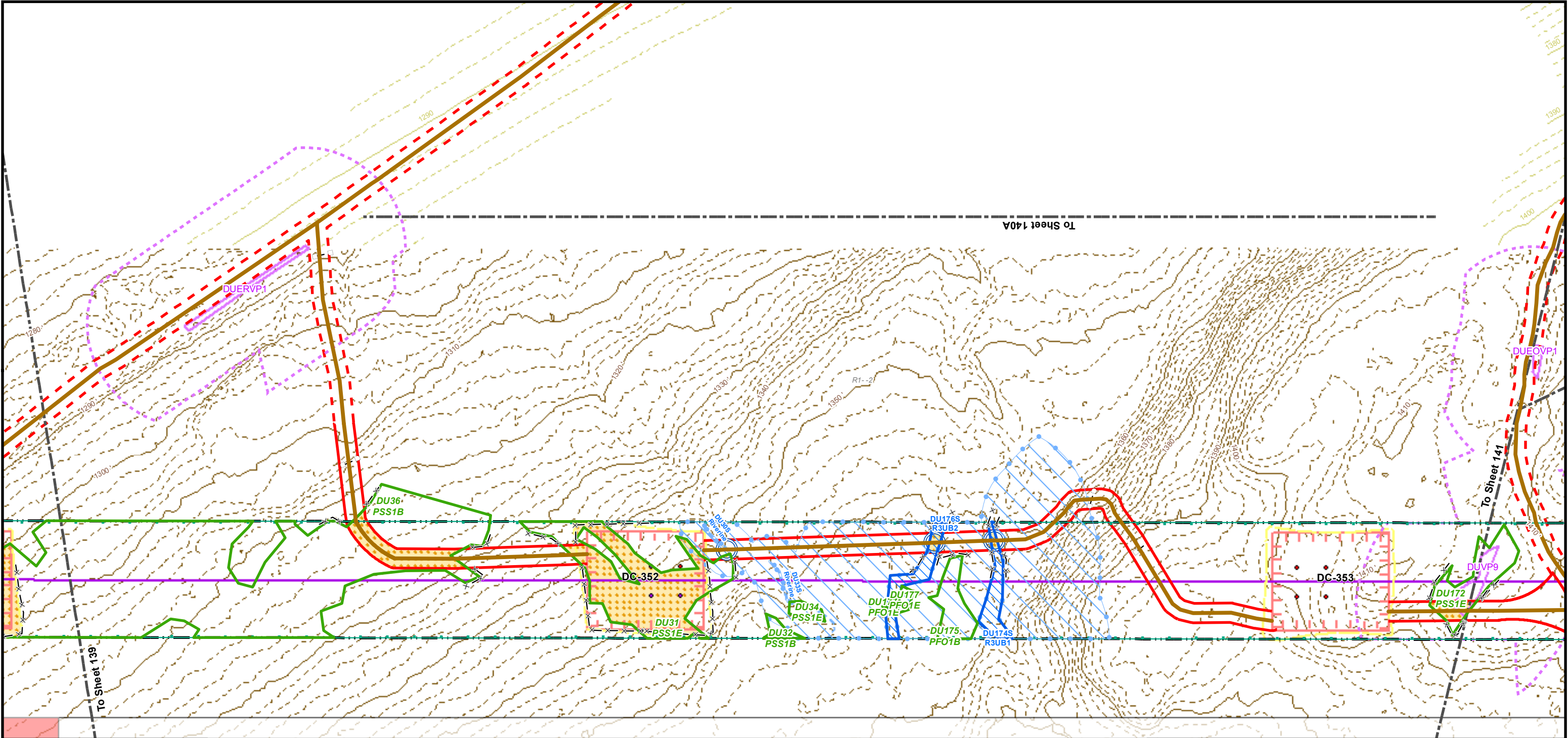
Lay Down Yard

Limit of Disturbance - Stations

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

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	
DU172, PSS1E	635	0	2,421	37,358	11,852	
DU175, PFO1B	0	0				
DU177, PFO1E	0	0				
DU31, PSS1E	9,011	34				
DU32, PSS1B	0	0				
DU34, PSS1E	0	0				
DU36, PSS1B	2,501	0				
DU174S, R3UB1	125	0				
DU176S, R3UB2	222	0				
DU30S, Riverine	35	0				
DU33S, Riverine	0	0				
Date: 1/12/2017	* High Quality Wetland, ^ Corps Reviewed		Sheet : 140			

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



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

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

Vegetation Clearing Areas

Span Stream with No Permanent Impacts

RTE Bars

- Animal
- Vegetation
- Both

UG Disturbance Area

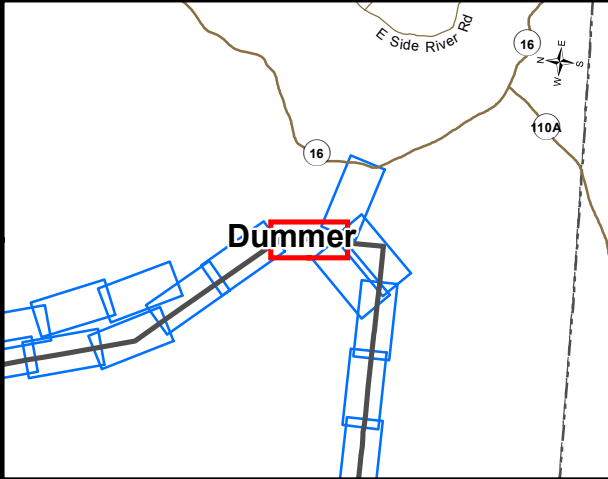
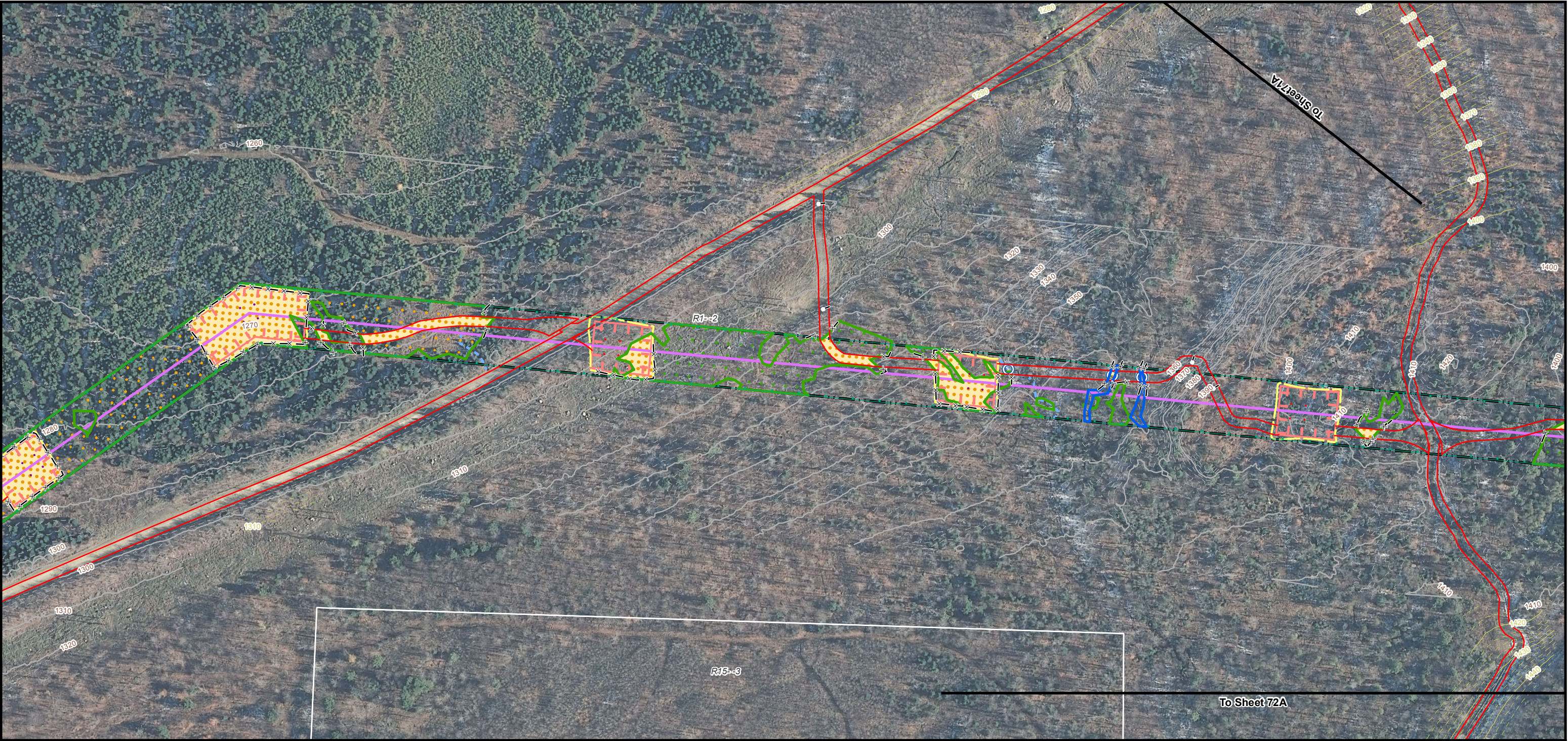
UG Splice Vaults

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	
DU172, PSS1E	635	0	2,421	37,358	11,852	
DU175, PFO1B	0	0				
DU177, PFO1E	0	0				
DU31, PSS1E	9,011	34				
DU32, PSS1B	0	0				
DU34, PSS1E	0	0				
DU36, PSS1B	2,501	0				
DU174S, R3UB1	125	0				
DU176S, R3UB2	222	0				
DU30S, Riverine	35	0				
DU33S, Riverine	0	0				
Date: 1/12/2017	* High Quality Wetland, ^ Corps Reviewed		Sheet : 140			

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



Existing Conditions

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

- LiDAR 10' Contour
- LiDAR 2' Contour
- USGS 10' Contour
- USGS 2' Contour
- Parcels
- 100-year Floodzone
- Delineated Waterbodies**
- Perennial
- Intermittent
- Ephemeral

Stream Centerlines

- Perennial
- Intermittent
- Ephemeral

Proposed Conditions

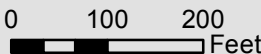
- Proposed Structure - No Permanent Impact
- Proposed Structure - Permanent Impact
- Proposed Transmission / Distribution Line

- Temporary Construction Pad
- Proposed New Right of Way
- Proposed Access Route
- Temporary Work Pad Disturbance Area
- Temporary Wetlands Matting (16' x 16')
- Erosion and Sedimentation Control BMPs
- Erosion and Sedimentation Control BMPs (Steep Slope)

- Trenched UG
- Trenchless UG
- UG Splice Vault
- UG Sending/Receiving Pit
- Vegetation Clearing Areas
- Span Stream with No Permanent Impacts



1 inch equals 200 feet when printed at 11" x 17"



**The Northern Pass Transmission Project
NHDES Alteration of Terrain
Permit Application Plans
Sheet 071**



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