

NHDES ALTERATION OF TERRAIN PERMIT APPLICATION

Existing Conditions

June 2, 2021

- Groundwater Protection Areas (Groundwater Classification Areas GA1, Groundwater Classification Areas GA2, Wellhead Protection Areas);
- Wellhead Protection Areas;
- Water Supply Intake Protection Areas;
- Outstanding Resource Waters;
- Class A Water Watersheds;
- Surface Water Impairments;
- Local Potential Contamination Sources;
- Designated Rivers within one-quarter mile;
- All Lakes within one-quarter mile;
- Surface Waters with Impairments (2016); and
- Watersheds with Chloride Impairments (2016).

AoT screening layers crossed by the AoT project area are described within each of the AoT jurisdictional areas below.

Existing conditions within each AoT jurisdictional area are further described below and consistent with recent guidance and discussion between Eversource and NHDES. Representative photographs of the AoT project area are included in Appendix F.

3.1 AOT AREA A: WHITEFIELD

Area A begins at Jefferson Road in Whitefield near structure 180 and continues east approximately 0.9 miles to structure 170, where the ROW turns north and Area A continues for another 1.65 miles (2.55 miles total) to structure 153 near Jefferson Road. This area contains uplands and wetlands with relatively flat topography and approximate elevations ranging from 1,054 ft near structure 175 to 1,260 ft near structure 153. The area between structures 154 and 153 rises steeply towards Jefferson Road. The area is located within a rural, forested portion of Whitefield, with portions between structures 158 and 174 located in the USFWS Pondicherry National Wildlife Refuge (NWR). Some existing trails are present and will be utilized between structures 180 and 170, but overall, there are few existing trails in Area A. No drainage structures are documented or known to exist along the proposed access road.

3.1.1 Surface and Groundwater Protection – Area A

There are two surface waters located within Area A, intermittent streams S01 and S02, both of which are associated with wetlands (Figure 3). Area A includes temporary matting in 13 wetland systems for access and work pad placement: wetlands W013, W016, W018, W021–W024, and W026–W031. Temporary



NHDES ALTERATION OF TERRAIN PERMIT APPLICATION

Existing Conditions

June 2, 2021

matting impact totals are summarized in the table below. AoT disturbance area is summarized in Section 5.1.2.

Temporary Matting	Impact (sf)
Access	79,380
Work/Pull Pad	90,909

According to Figure 3, all AoT screening layers are located outside of Area A.

3.1.2 FEMA 100-Year Floodplain, Shoreland Protection, Designated Rivers – Area A

According to the FEMA Flood Insurance layer on Figure 3, there are no 100-year floodplain zones within Area A.

According to the Consolidated List of Water Bodies Subject to RSA 483-B (May 22, 2019) and the NHDES Designated River Corridor Map, there are no rivers within Area A that are protected under RSA 483-B.

3.2 AOT AREA B: WHITEFIELD AND LANCASTER

Area B begins near structure 151, off Nutting Road, and continues north approximately 3.6 miles to structure 115, just north of the Lancaster town line near Wesson Road. This area contains uplands and wetlands with undulating topography. Approximate elevations range from 1,063 ft near structure 116 to 1,280 ft near structure 149. There are few existing trails within the ROW in Area B. The entrance off Nutting Road will utilize an existing field entrance where a culvert may be present. No other drainage structures are documented or known to exist along the proposed access roads.

3.2.1 Surface and Groundwater Protection – Area B

There are 3 surface waters located within Area B. Perennial streams include perennial stream S03 and intermittent streams S04 and S05. Area B includes temporary matting in 17 wetland systems for access road and work pad placement: wetlands W034–W035, W037–W043, W045–W049, W051, and W053–W054. Temporary matting impact totals are summarized in the table below. AoT disturbance area is summarized in Section 5.1.2.

Temporary Matting	Impact (sf)
Access	116,960
Work/Pull Pad	184,740

According to Figure 3, structures 145 to 151 are located within a wellhead protection area associated with the Whitefield Water Department. All other AoT screening layers are located outside of Area B.



NHDES ALTERATION OF TERRAIN PERMIT APPLICATION

Existing Conditions
June 2, 2021

3.2.2 FEMA 100-Year Floodplain, Shoreland Protection, Designated Rivers – Area B

According to the FEMA Flood Insurance layer on Figure 3, there are no 100-year floodplain zones within Area B.

According to the Consolidated List of Water Bodies Subject to RSA 483-B (May 22, 2019) and the NHDES Designated River Corridor Map, there are no rivers within Area B that are protected under RSA 483-B.

3.3 AOT AREA C: LANCASTER

Area C begins near structure 89, off North Road, and continues north approximately 2.2 miles to just beyond structure 66. This area contains uplands and many large wetlands with relatively flat topography. Approximate elevations range from 945 ft near structure 89 to 1,125 ft near structure 67. There are few existing trails within the ROW in Area C. The entrance off North Road will utilize an existing field entrance where an old culvert may be present. No other drainage structures are documented or known to exist along the proposed access roads.

3.3.1 Surface and Groundwater Protection – Area C

There are three open water wetlands/marshes that could be considered surface waters located within Area C: wetlands W080, W081, and W088. Area C includes temporary matting in eight wetland systems for access road and work pad placement: wetlands W079–W084 and W087–W088. Temporary matting impact totals are summarized in the table below. AoT disturbance area is summarized in Section 5.1.2.

Temporary Matting	Impact (sf)
Access	74,880
Work/Pull Pad	115,145

According to Figure 3, the area from structures 87 to 88 within Area C is within one-quarter mile of a surface water with impairments: Otter Brook due to *Escherichia coli*. Otter Brook itself is located outside the AoT area. All other AoT screening layers are located outside of Area C.

3.3.2 FEMA 100-Year Floodplain, Shoreland Protection, Designated Rivers – Area C

According to the FEMA Flood Insurance layer on Figure 3, there are no 100-year floodplain zones within Area C.

According to the Consolidated List of Water Bodies Subject to RSA 483-B (May 22, 2019) and the NHDES Designated River Corridor Map, there are no rivers within Area C that are protected under RSA 483-B.



NHDES ALTERATION OF TERRAIN PERMIT APPLICATION

Existing Conditions
June 2, 2021

3.4 AOT AREA D: LANCASTER AND NORTHUMBERLAND

Area D begins near structure 65 in Lancaster and continues north approximately 1.5 miles to near structure 48 off Page Hill Road in Northumberland. This area contains uplands and wetlands with relatively flat topography. Approximate elevations range from 1,008 ft near structure 60 to 1,075 ft near structure 65. Structure 48 is located within the Cape Horn State Forest. An existing snowmobile trail is present south of Page Hill Road, but otherwise there are few existing trails within Area D. The entrance off Page Hill Road will utilize an existing gravel entrance where an old culvert may be present. No other drainage structures are documented or known to exist along the proposed access roads.

3.4.1 Surface and Groundwater Protection – Area D

There are three surface waters located within Area D. Perennial streams S09, S10, and S11. Area D includes temporary matting in eight wetland systems for access road and work pad placement: wetlands W089–W096. Temporary matting impact totals are summarized in the table below. AoT disturbance area is summarized in Section 5.1.2.

Temporary Matting	Impact (sf)
Access	60,663
Work/Pull Pad	38,441

According to Figure 3, all AoT screening layers are located outside of Area D.

3.4.2 FEMA 100-Year Floodplain, Shoreland Protection, Designated Rivers – Area D

According to the FEMA Flood Insurance layer on Figure 3, there are no 100-year floodplain zones within Area D.

According to the Consolidated List of Water Bodies Subject to RSA 483-B (May 22, 2019) and the NHDES Designated River Corridor Map, there are no rivers within Area D that are protected under RSA 483-B.

3.5 AOT AREA E: NORTHUMBERLAND

Area E begins near structure 47, off Page Hill Road, and continues north approximately 2.6 miles to structure 19 where an existing woods road will be utilized to provide access around a steep area within the ROW. This area contains uplands and wetlands with undulating topography. Approximate elevations range from 1,012 ft near structure 42 to 1,515 ft near structure 20. There are few existing trails within the ROW in Area E. Structures 47 through 24 are located within the Cape Horn State Forest. No drainage structures are documented or known to exist along the proposed access roads.



NHDES ALTERATION OF TERRAIN PERMIT APPLICATION

Existing Conditions
June 2, 2021

3.5.1 Surface and Groundwater Protection – Area E

There are eight surface waters located within Area E. Perennial streams include S13, S14, S15, S16, S17, S18, S19, with one intermittent stream S12. Area E includes temporary matting in nine wetland systems for access road and work pad placement: wetlands W098–W099, W101–W102, W104–W106, and W108–W109. Temporary matting impact totals are summarized in the table below. AoT disturbance area is summarized in Section 5.1.2.

Temporary Matting	Impact (sf)
Access	66,972
Work/Pull Pad	87,373

According to Figure 3, all AoT screening layers are located outside of Area E.

3.5.2 FEMA 100-Year Floodplain, Shoreland Protection, Designated Rivers – Area E

According to the FEMA Flood Insurance layer on Figure 3, the areas associated with Dean Brook, between structures 43 and 41 and between structures 36 and 30, are located in the 100-year floodplain zone.

According to the Consolidated List of Water Bodies Subject to RSA 483-B (May 22, 2019) and the NHDES Designated River Corridor Map, there are no rivers within Area E that are protected under RSA 483-B.

3.6 AOT AREA F: NORTHUMBERLAND

Area F begins near structure 18 in Northumberland and continues north and east approximately 1.6 miles to structure 1 at the substation off Lost Nation Road. This area contains uplands and wetlands with relatively flat topography. Approximate elevations range from 1,000 ft near Roaring Brook (S24) near structure 3 to 1,400 ft near structure 18. There are few existing trails within the ROW in Area F. The entrance off Lost Nation Road will utilize the existing substation entrance where a paved driveway is located that may have an associated culvert along the road. No other drainage structures are documented or known to exist along the proposed access roads.

3.6.1 Surface and Groundwater Protection – Area F

There are five surface waters located within Area F. Perennial streams S22 and S24, intermittent streams S20 and S21, and ephemeral stream S23. Area F includes temporary matting in 10 wetland systems for access road and work pad placement: wetlands W114-W120 and W123-124. Temporary matting impact totals are summarized in the table below. AoT disturbance area is summarized in Section 5.1.2.



NHDES ALTERATION OF TERRAIN PERMIT APPLICATION

Project Description
June 2, 2021

Temporary Matting	Impact (sf)
Access	36,877
Work/Pull Pad	35,829

According to Figure 3, all AoT screening layers are located outside of Area F.

3.6.2 FEMA 100-Year Floodplain, Shoreland Protection, Designated Rivers – Area F

According to the FEMA Flood Insurance layer on Figure 3, the area associated with Roaring Brook, between structures 4 and 3, is located in the 100-year floodplain zone.

According to the Consolidated List of Water Bodies Subject to RSA 483-B (May 22, 2019) and the NHDES Designated River Corridor Map, there are no rivers within Area F that are protected under RSA 483-B.

4.0 PROJECT DESCRIPTION

4.1 LINE REBUILD: STRUCTURE REPLACEMENT, CONDUCTOR AND OPGW REPLACEMENT

The proposed project includes replacement of all existing wooden transmission line structures along the D142 line ROW. Within the AoT areas, 154 structures will be replaced. The structure replacement process consists of drilling approximately 4-ft-diameter holes near the existing structures. A caisson, or can, is installed approximately 15 to 20 ft below the ground surface. The new structure is installed in the can and backfilled with clean, suitable rock or gravel material. Spoils produced from drilling the hole will be disposed of in an approved upland location away from wetland areas. Spoil piles will be stabilized with seed and mulch. Some replacement structures may require anchors. Anchors will be installed by excavating trenches, installing concrete block anchors, and backfilling trenches. If anchors are installed in wetlands, backfill material will consist of the same excavated soil to maintain hydric soil conditions. Once the new structure is installed and stable, the wires from the old structure will be transferred to the new structure. Old structures will be cut and removed from the ground in upland locations. Old structures located in wetlands will be cut at ground level if saturated soils prevent removal. All construction materials and old structure pieces will be removed and disposed of off-site at an approved disposal facility.

Following completion of the structure replacement and wire work, all temporary timber construction mats will be removed. Disturbed wetland areas will be restored and stabilized with weed free straw mulch. Disturbed upland areas will also be restored and stabilized. Upland work pads will be restored by reducing the work pad size to 30 ft by 50 ft by restoring upland perimeter areas to pre-existing contours, with seeding and mulch used as needed. Slopes will be reduced to less than 25% where necessary, and exposed soils will be stabilized with seed and mulch. Seed and mulch will be applied along the shoulders and side slopes of the access roads as necessary, and the established access roads will be left in place.



NHDES ALTERATION OF TERRAIN PERMIT APPLICATION

Project Description
June 2, 2021

Conductor and OPGW wire replacement work involves restringing and replacing the existing wire on all structures along the entire length of the D142 line. Access roads will also be established to pull pads, where the wire will be pulled from one location to another across the structures and spliced together. The majority of the wire unclipping/clipping will likely be accomplished with a combination of bucket truck aerial access and helicopters. Wire replacement work will be completed following the structure replacement work and will utilize the access roads and work pads created during the structure replacement.

4.1.1 Access

The proposed rebuild project utilizes existing access routes within the D142 line ROW wherever possible. The majority of the existing access routes are comprised of dirt or grassy areas and are proposed to be improved as part of the project to allow for construction vehicle access. Proposed access routes are shown on Figures 3 and 4. Access road entrances are located off state and local roadways and utilize existing entrances wherever possible. Temporary driveway permits for access from state owned roads will be obtained from the New Hampshire Department of Transportation prior to the start of construction. The proposed access routes were sited to minimize ground disturbance and temporary wetland impacts to the greatest extent practicable while providing safe and efficient access to the existing structures. Timber matting will be used to cross all wetland and stream resources.

4.1.1.1 Road Construction

Proposed upland access road improvements include construction of approximately 12-ft-wide gravel and stone roads within the ROW. The roads will provide access to existing utility structures for replacement activities. The improved access roads will provide reliable, permanent access to utility infrastructure during future maintenance or emergency repairs. Where possible, the proposed access roads will be located on top of existing dirt or grass roads or trails. If no existing routes are available or suitable, a new road will be constructed. Minor grading may be necessary to remove large boulders and create a flat surface for the new rock or gravel.

4.1.1.2 Wetland and Upland Temporary Matting

Access through delineated wetlands in the project area will utilize temporary timber construction mats to minimize and prevent rutting in the wetlands (see Figure 4). Where necessary in overly saturated conditions, runners (mats placed parallel to the direction of travel) will be placed on the wetland surface prior to setting the top, perpendicular layer of mats. This helps reduce settling and overall wetland disturbance. Upland timber construction mats are occasionally requested by the landowner where fields or lawn areas may be crossed by the proposed access road.

4.1.2 Work Pad Construction

The proposed project includes construction of structure replacement work pads and pull pads. Structure replacement pads will be approximately 120 ft by 120 ft at corner structures and approximately 100 ft by 100 ft at all other replacement structures. Pull pads will be 50 ft by 100 ft. All upland work pads will be



NHDES ALTERATION OF TERRAIN PERMIT APPLICATION

Project Description
June 2, 2021

constructed using clean stone. The work pads will be top dressed with compacted 1.5 to 3-inch-diameter clean stone. Proposed work pads located in wetland areas will be constructed using temporary timber construction mats and will be removed upon completion of the work. Upland work pads will be restored by reducing the work pad size to 30 ft by 60 ft by covering perimeter areas with stockpiled loam. Slopes will be reduced to less than 25% where necessary, and exposed soils will be stabilized with seed and mulch.

4.2 CONSTRUCTION SEQUENCE

The general project construction sequence will be:

1. Install appropriate signage for traffic safety along public roads near construction entrances;
 - a. Consult and coordinate with municipalities and police as necessary if short duration lane closures are needed to allow for safe entry and exit of construction equipment to/from the ROW.
2. Install erosion control devices, as needed, as shown on Figure 4;
 - a. Erosion control practices will follow the NHDES Best Management Practices Manual for Utility Maintenance in and Adjacent to Wetlands and Waterbodies in New Hampshire (March 2019; Utility BMP Manual).
 - b. Typical erosion controls devices used within the ROW may consist of silt fence, straw wattles, stone check dams, and/or hay and straw mulch stabilization.
3. Place construction mats in wetlands for access roads and work pads as depicted on Figure 4;
 - a. Mats will be stored by the contractor off-site. Storage areas will be determined by the contractor and are usually non-Project specific yards owned or leased by the contractor or existing parking lots near the Project area. A log loader style truck will deliver mats to the ROW. Depending on the terrain, the log loader truck may deliver the mats directly to where they will be installed, or they will be stockpiled within the ROW near an existing road. A forwarder will then move the mats to where they are needed on the ROW and install them in conjunction with an excavator.
4. Grade and improve upland access roads and work pads;
 - a. If existing trails are present, they will be improved with a layer of compacted gravel or stone to prevent rutting.
 - b. Where no existing trails are present, and approximately 12–16-ft-wide path will be graded smooth by removing some of the topsoil. If present, large boulders will be removed and set to the side of the route in upland areas. The graded areas will be topped with compacted gravel or stone. Exposed soils on side slopes will be stabilized with seed and mulch.
5. Structure replacements:
 - a. Drill new structure holes utilizing an excavator with a drill attachment;
 - b. Install new poles and structure components. Typical equipment consists of one to two bucket trucks working with a crane truck that lifts the new structure;



NHDES ALTERATION OF TERRAIN PERMIT APPLICATION

Project Description

June 2, 2021

- c. Transfer electrical lines from old structures to new structures; and
 - d. Remove and haul away old structures. Pull cut pole from the ground if possible, in upland locations. Cut pole flush with ground in wetland locations and restore area with weed-free straw mulch.
6. Mobilize OPGW and conductor wire spools and pulling equipment to designated pull pads;
 7. Replace OPGW and conductor wires. Wire unclipping, pulley installation, and wire clipping is typically done with a helicopter. A bucket truck may also perform these tasks at select locations depending on the surrounding terrain and tree cover;
 8. Clean up excess/stockpiled material at work pads and pull pads;
 9. Smooth/grade upland work pads and stabilize and restore with seed and mulch as necessary. Upland work pads are typically restored to an approximately 30-foot by 50-foot size. Topsoil pushed to the sides during the initial construction is used to recover the work pads. Exposed soils are stabilized with seed and mulch;
 10. Remove construction mats from wetland areas and stabilize/restore disturbed wetland areas with weed-free straw mulch. Matting is removed in a similar manner to how it was installed by using log loader trucks, forwarders, and/or excavators; and
 11. Stabilize, restore, and clean up all staging areas and entrance points.

Provided necessary permits are in place, work would begin in late summer 2021 (approximately August or September) and continue through the following growing season until approximately the winter of 2022–2023. Entrances, access roads, and work pads will be created prior to structure replacement work. New structure holes will likely be drilled prior to mobilization of structure replacement equipment (e.g., cranes, bucket trucks). Installation of new poles and transferring of wires will be completed prior to moving on to the next structure. Multiple structure replacement crews may work in different areas to expedite the process. Once all planned structure replacements within a designated segment of line occur, pull pads will be established as necessary, and the replacement OPGW and conductor lines will be pulled into place. Pull pad placement will be determined based on the length of wire and angle structures along the line. A spool of wire will be placed on one pull pad, and the wire will be pulled into place through pulleys on the structures by a large winch at another location. When wire pulling is complete, the wire segments will be spliced together and clipped permanently onto the structures. Removal of mats and restoration will occur as individual work areas are completed.

4.3 BEST MANAGEMENT PRACTICES

4.3.1 Erosion and Sedimentation Control

Work will be conducted in accordance with Eversource's standard Best Management Practices (BMPs) as designated by the Utility BMP Manual. Following these BMPs will minimize and avoid impacts to wetland and stream resources and the surrounding upland to the greatest extent practicable. Erosion control notes are also provided on the Notes sheet of Figures 3 and 4.



NHDES ALTERATION OF TERRAIN PERMIT APPLICATION

Project Description

June 2, 2021

Perimeter erosion controls consisting of silt fence, straw wattles, mulch, and straw bales will be installed as necessary around the work areas to minimize potential impacts to adjacent resource areas. Water bars, also known as diversion ditches, will be installed along access roads with steep slopes, where necessary, to prevent water from traveling long distances down the road causing erosion. Water bars will direct water off the road into adjacent upland areas. Exposed soil created during construction will be stabilized with seed and mulch as soon as possible after active work in the area is complete. No equipment or material will be stored within wetland areas. Erosion control details are shown on BMP detail sheets 1 and 2 of Figures 3 and 4. Temporary timber construction mats will be used in all wetland areas and will be used to cross all streams within the project area.

4.3.2 Invasive Species Control Plan

Due to the remote landscape surrounding the majority of the D142 line, invasive species may be present but are not likely to be widespread or present in large infestations. Contractors will follow the invasive species recommendations in the Utility BMP Manual to help prevent the spread of invasive species, including inspection and cleaning of equipment and contractor training. Equipment, including construction mats, brought to the Project area will be inspected by the contractor and/or environmental monitor, and if plant material or soil is present, the equipment will be cleaned and dried prior to use on the Project. During the wetland delineations, scattered occurrences of purple loosestrife (*Lythrum salicaria*) and Morrow's honeysuckle (*Lonicera morrowii*) were observed on the southern portion of the D142 line in Whitefield. Contractors will be familiar with identification of common invasive species and will be required to clean mats and equipment prior to their use elsewhere. If possible and without increasing wetland impacts, the contractors may also make slight shifts in access roads or work pads to avoid invasive species locations.

4.3.3 Construction Observation and Post Construction Monitoring

During construction, Eversource will contract an environmental monitor to perform routine construction observation visits. The environmental monitor will inspect the Project area for compliance with the Utility BMP Manual and applicable Project permits and conditions. Construction observation visits will occur at least once per week and/or after a significant rainfall (0.5 inches or greater) or snow melt event. Under the National Pollutant Discharge Elimination System, Eversource will file a Notice of Intent and Stormwater Pollution Prevention Plan (SWPPP) under the U.S. Environmental Protection Agency's Construction General Permit. Construction observation visits and associated reporting will follow the SWPPP and Construction General Permit guidelines and be performed by a qualified individual familiar with the SWPPP, Utility BMP Manual, and project specific permit conditions.

A series of post-construction monitoring visits in the Project area will be performed by a qualified environmental scientist to document that disturbed areas are properly stabilized and vegetation is beginning to regrow. Site restoration will be considered successful when there is at least 85% cover by native, non-invasive herbaceous plant species within the restored portions of ROW, including any restored wetland areas. This does not include gravel work pads or access roads that existed prior to construction or were created during construction. The environmental scientist will prepare a report following each post-construction monitoring visit that includes representative photographs and corrective



NHDES ALTERATION OF TERRAIN PERMIT APPLICATION

Regulatory Compliance
June 2, 2021

actions (if applicable). Once the disturbed uplands and temporarily impacted wetlands within the Project area are determined to be permanently stabilized, post-construction monitoring will be considered complete.

5.0 REGULATORY COMPLIANCE

5.1 ALTERATION OF TERRAIN

The NHDES requires an AoT permit whenever a project proposes to disturb more than 100,000 sf of terrain or 50,000 sf if within a protected shoreland (Env-Wq-1500). The NHDES rule is intended to protect New Hampshire surface waters by controlling soil erosion and managing stormwater runoff from developed areas. The AoT project area contains six distinct AoT regulated areas (Areas A through F) within the D142 line ROW based on contiguous areas of disturbance. Details on impacts in each AoT regulated area are provided in Section 5.1.2 – Quantification of Impacts Subject to AoT.

5.1.1 Waiver Requests

Per Env-Wq 1509.2, Eversource is requesting a waiver from the requirements to prepare a Stormwater Drainage Report, Drainage Area Plans, and Hydrologic Soil Group Plans. New impervious surfaces associated with the project are limited to the footprint of the new transmission line structures. It is not anticipated that the proposed structures will have a significant impact on site drainage patterns, and stormwater treatment practices are not proposed. These exemptions for transmission line maintenance projects were discussed at the pre-application meeting with Eversource, Stantec, NHDES, and NHFGD on January 28, 2021, and were also previously discussed between NHDES and Eversource during general consultations on AoT permitting. A formal waiver request form is provided in Appendix G.

5.1.2 Quantification of Impacts Subject to AoT

There is approximately 2,424,549 sf of total ground area, including 949,519 sf of temporary wetland matting and 1,475,030 sf of ground disturbances, proposed within the AoT project area that requires an AoT permit in accordance with Env-Wq 1502.58. Specific areas are detailed below that exceed the AoT disturbance thresholds for Env-Wq 1502.58(b)(2) “An area that, over a 10-year period, cumulatively exceeds 100,000 square feet of contiguous area...” The width of the proposed disturbance for new access roads is assumed to average approximately 12 ft throughout the AoT project area, and temporary timber construction mats are 16 ft wide. Additional details are shown on Figure 4.



NHDES ALTERATION OF TERRAIN PERMIT APPLICATION

Regulatory Compliance
June 2, 2021

AoT Area A: Whitefield

Structures 180 to 153

Figure 4 Map Sheets 1 to 10

Disturbance Type	Impact (sf)
New Access	76,950
Gravel Work/Pull Pad	223,640
Total Disturbed Area	300,590

AoT Area B: Whitefield and Lancaster

Structures 151 to 115

Figure 4 Map Sheets 11 to 23

Disturbance Type	Impact (sf)
New Access	77,840
Gravel Work/Pull Pad	209,762
Total Disturbed Area	287,602

AoT Area C: Lancaster

Structures 89 to 66

Figure 4 Map Sheets 24 to 31

Disturbance Type	Impact (sf)
New Access	51,729
Gravel Work/Pull Pad	135,520
Total Disturbed Area	187,249

AoT Area D: Lancaster and Northumberland

Structures 65 to 48

Figure 4 Map Sheets 17 to 37

Disturbance Type	Impact (sf)
New Access	32,212
Gravel Work/Pull Pad	147,734
Total Disturbed Area	179,947



NHDES ALTERATION OF TERRAIN PERMIT APPLICATION

Regulatory Compliance
June 2, 2021

AoT Area E: Northumberland

Structures 47 to 19

Figure 4 Map Sheets 38 to 46

Disturbance Type	Impact (sf)
New Access	81,311
Gravel Work/Pull Pad	229,819
Total Disturbed Area	311,131

AoT Area F: Northumberland

Structures 18 to 1

Figure 4 Map Sheets 47 to 52

Disturbance Type	Impact (sf)
New Access	59,881
Gravel Work/Pull Pad	148,630
Total Disturbed Area	208,510

5.2 OTHER REGULATORY PROGRAMS

Other regulatory permits and notifications required for the proposed project are summarized below. Eversource and Stantec have corresponded with the towns of Whitefield, Lancaster, and Northumberland regarding the proposed work. Other than a building permit in the town of Northumberland, there are no town permits or approvals necessary to complete the proposed work. The towns will receive a copy of the Standard Dredge and Fill Wetlands Permit and AoT Permit applications.

Agency	Permit/Notification	Status
NHDES	Standard Dredge and Fill Wetlands Permit (major)	Under Review, #2021-01499
NHDES	Shoreland Permit by Notification	Pending
EPA (Construction General Permit)	Stormwater Pollution Prevention Plan	Pending
U.S. Fish and Wildlife Service	Special Use Permit	Under Review
Northumberland Select Board	Building Permit	Pending



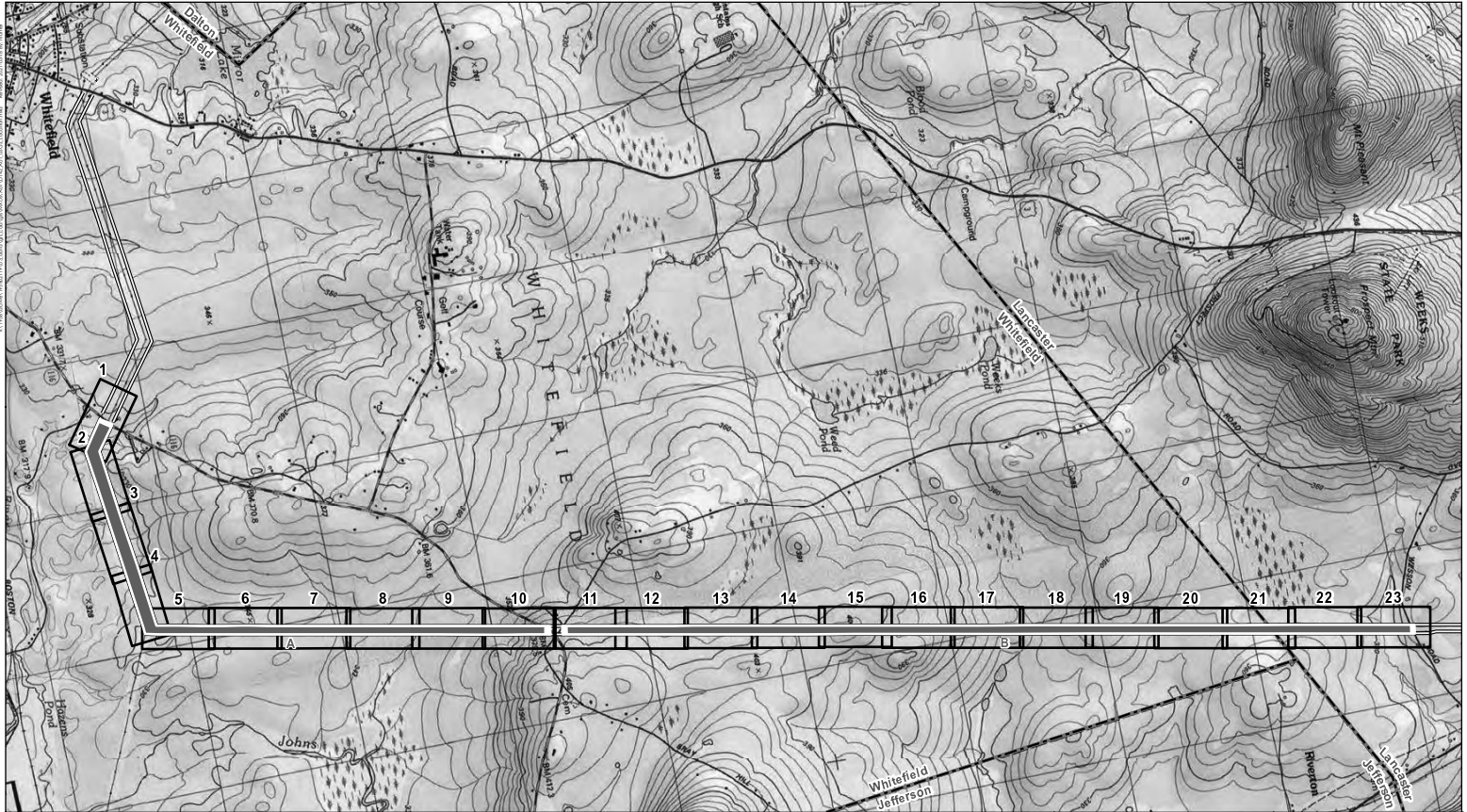
NHDES ALTERATION OF TERRAIN PERMIT APPLICATION

Figures

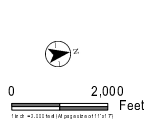
June 2, 2021

FIGURES





- Legend**
- Existing Right-of-Way (ROW)
 - Alteration of Terrain (AoT) Area
 - AoT Map Sheet
 - Municipal Boundary



Map Notes:
 Coordinate System: NAD 83 StatePlane New Hampshire PPS 2003 Feet
 Data Source: Project data was provided by Eversource Energy.
 Base Map: Data from the NH GRANIT Database.
 Base Map: USGS Topographic Data provided by The National Map Mapping Service
<http://nadmapping.nhstate.gov/arcgis/services/USGSmap/arcgis/rest/info>

This mapping product has been created in compliance with applicable requirements of state and federal regulatory agencies and all other applicable laws and regulations. The information contained herein is for informational purposes only.

**Whitefield to Northumberland
 Rebuild Project (D142)
 USGS Locus Plan**

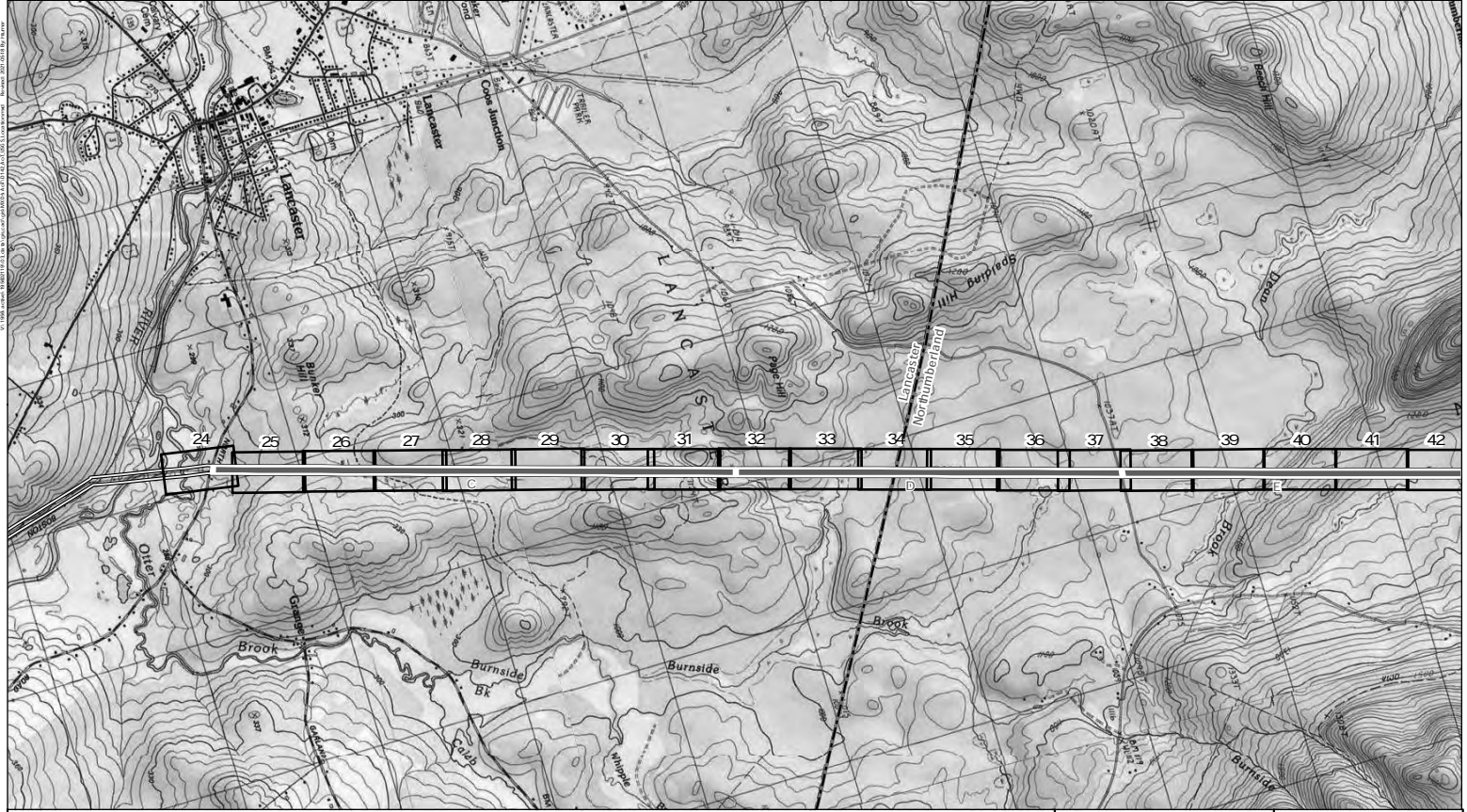
**Whitefield, Lancaster,
 and Northumberland,
 New Hampshire**

Map Sheet 1 of 3

EVERSOURCE ENERGY

Stantec

May 18, 2021



Legend

- Existing Right-of-Way (ROW)
- Alteration of Terrain (AoT) Area
- AoT Map Sheet
- Municipal Boundary



Map Scale:
 Coordinate System: NAD 1983 StatePlane New Hampshire FIPS 3005 Feet
 Data Source: Right-of-way data provided by Eversource Energy Base Features from NH GRANIT Database.
 Base Map: USGS Imagery/Topo provided by The National Map Act Mapping Service
 File Path: \\eversource.nationalmap.gov\arjg\services\USGSImagery\Topo

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.

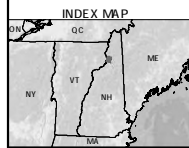
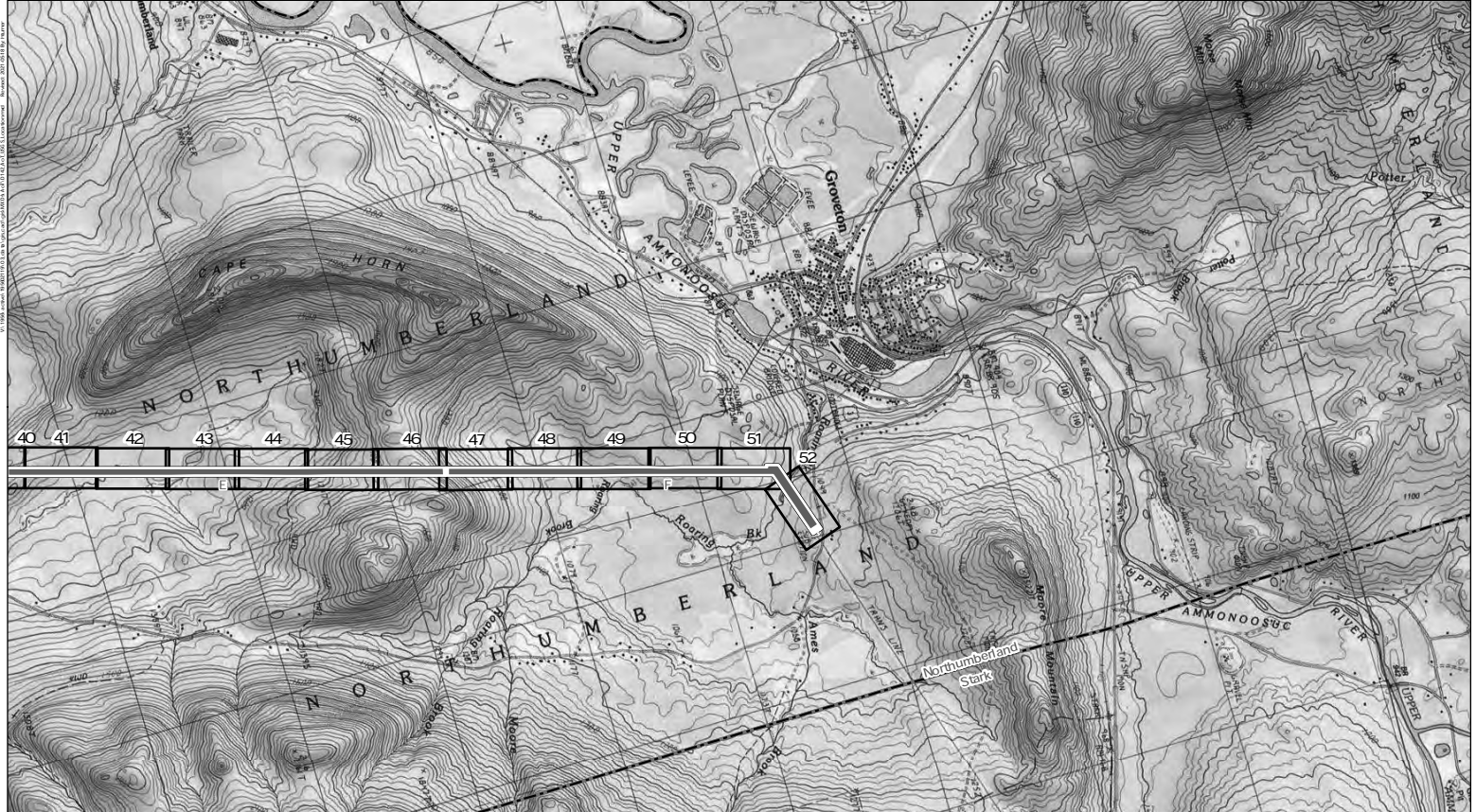
**Whitefield to Northumberland
 Rebuild Project (D142)
 USGS Locus Plan**

Whitefield, Lancaster,
 and Northumberland,
 New Hampshire

Map Sheet 2 of 3

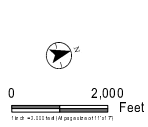
EVERSOURCE ENERGY

May 18, 2021



Legend

- Existing Right-of-Way (ROW)
- Alteration of Terrain (AoT) Area
- AoT Map Sheet
- ▭ Municipal Boundary



Map Scale:
 Coordinate System: NAD 1983 StatePlane New Hampshire FIPS 3005 Feet
 Data Source: Right-of-way data provided by Eversource Energy Base Features from NH GRANIT database.
 Base Map: USGS Imagery/Topo provided by The National Map Act Mapping Service
 File Path: \\servermap.nationalmap.gov/datasets/eversource/USGSImageryTopo

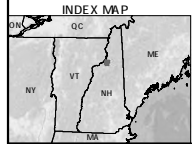
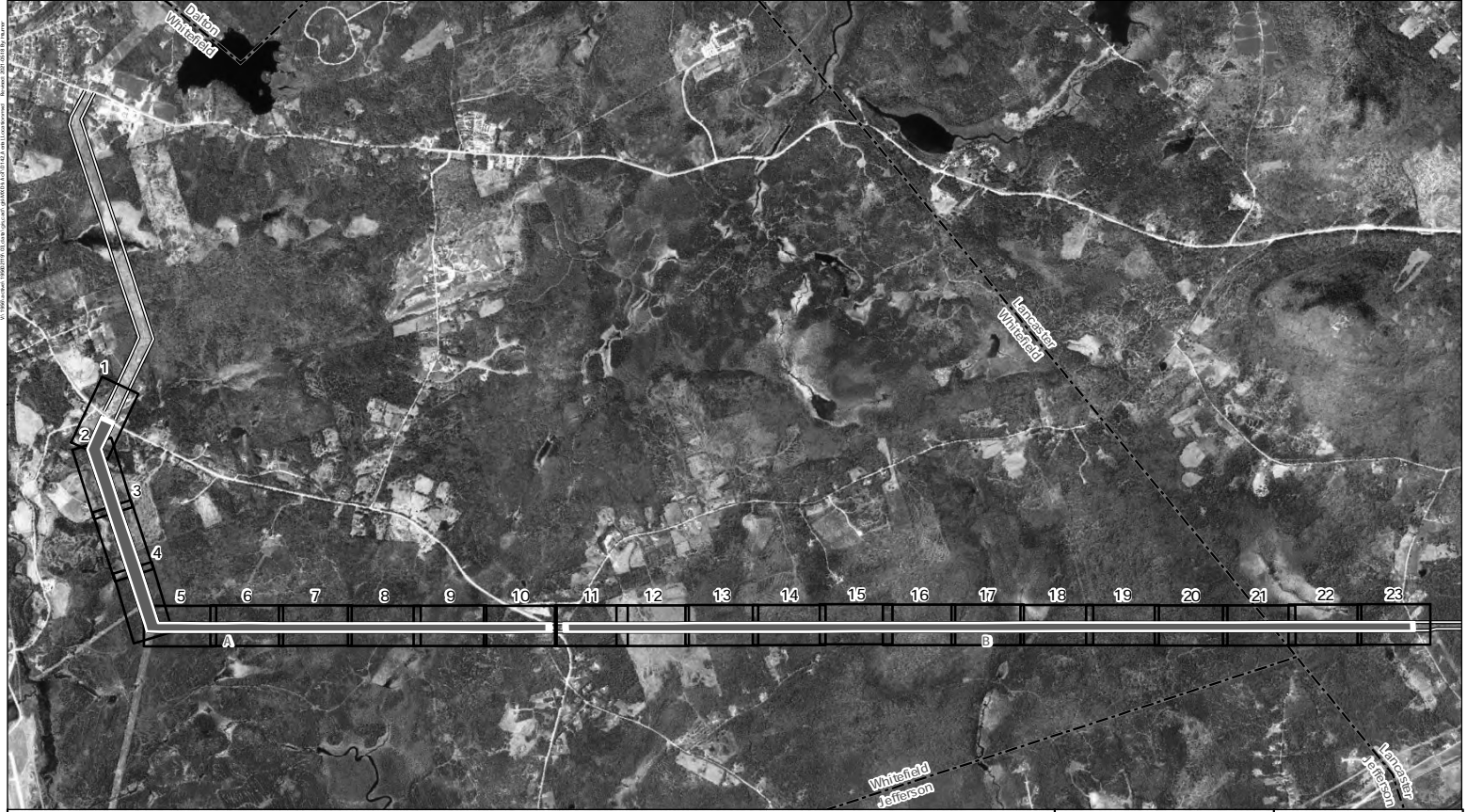
This mapping product has been created to comply with submittal requirements to obtain certain regulatory approvals and, as such, there is no reliance on the information contained herein for any other purpose.

Whitefield to Northumberland Rebuild Project (D142) USGS Locus Plan
 Whitefield, Lancaster, and Northumberland, New Hampshire
 Map Sheet 3 of 3

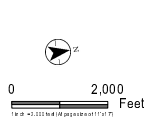
EVERSOURCE ENERGY

Stantec

May 18, 2021



- Legend**
- Existing Right-of-Way (ROW)
 - Alteration of Terrain (AoT) Area
 - AoT Map Sheet
 - Municipal Boundary



Map Notes:
 Coordinate System: NAD 1983 StatePlane New Hampshire FIPS 2000 Feet
 Data Source: Right-of-way data provided by Eversource Energy Base Features from NH GRANIT database.
 BaseMap: 2020 aerial imagery provided by NH GRANIT.

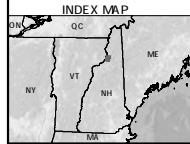
This mapping product has been created to comply with submittal requirements to obtain certain regulatory approvals and, as such, there is no reliance on the information contained herein for any other purpose.

Whitefield to Northumberland Rebuild Project (D142)
Aerial Site Plan

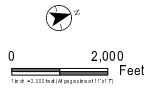
Whitefield, Lancaster, and Northumberland, New Hampshire

Map Sheet 1 of 3

EVERSOURCE ENERGY
May 18, 2021



- Legend**
- Existing Right-of-Way (ROW)
 - Alteration of Terrain (AoT) Area
 - AoT Map Sheet
 - Municipal Boundary



Map Scale:
 Coordinate System: NAD 1983 StatePlane New Hampshire FIPS 3005 Feet
 Data Source: Right-of-way data provided by Eversource Energy
 Base Features from NH GRANIT datasets.
 Base map: 2019 aerial imagery provided by NH GRANIT.

This mapping product has been created to comply with
 submital requirements to obtain certain regulatory approvals
 and, as such, there is no reliance on the information
 contained herein for any other purpose.

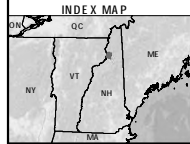
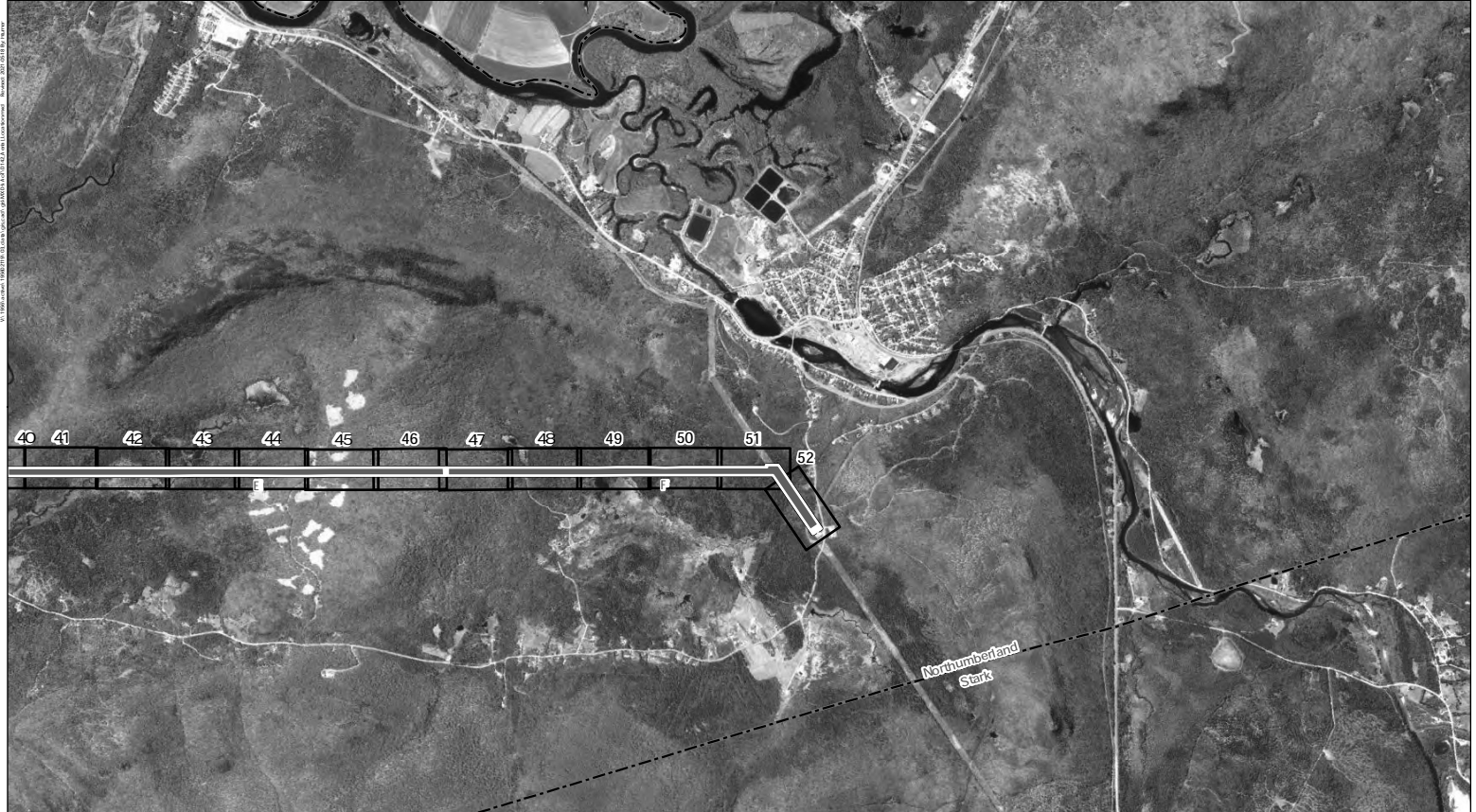
**Whitefield to Northumberland
 Rebuild Project (D142)
 Aerial Site Plan**

Whitefield, Lancaster,
 and Northumberland,
 New Hampshire

Map Sheet 2 of 3



May 18, 2021



- Legend**
- Existing Right-of-Way (ROW)
 - ▬ Alteration of Terrain (AoT) Area
 - ▭ AoT Map Sheet
 - ▭ Municipal Boundary

0 2,000 Feet
1:8 = 1:111,641 Meters

Map Scale:
 Coordinate System: NAD 1983 StatePlane New Hampshire FIPS 3002 Feet
 Data Source: Right-of-way data provided by Eversource Energy
 Base Elevation from NH GRANIT Database
 Base Map: 2019 Aerial Imagery provided by NH GRANIT

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.

Whitefield to Northumberland Rebuild Project (D142)
 Aerial Site Plan

Whitefield, Lancaster, and Northumberland, New Hampshire

Map Sheet 3 of 3

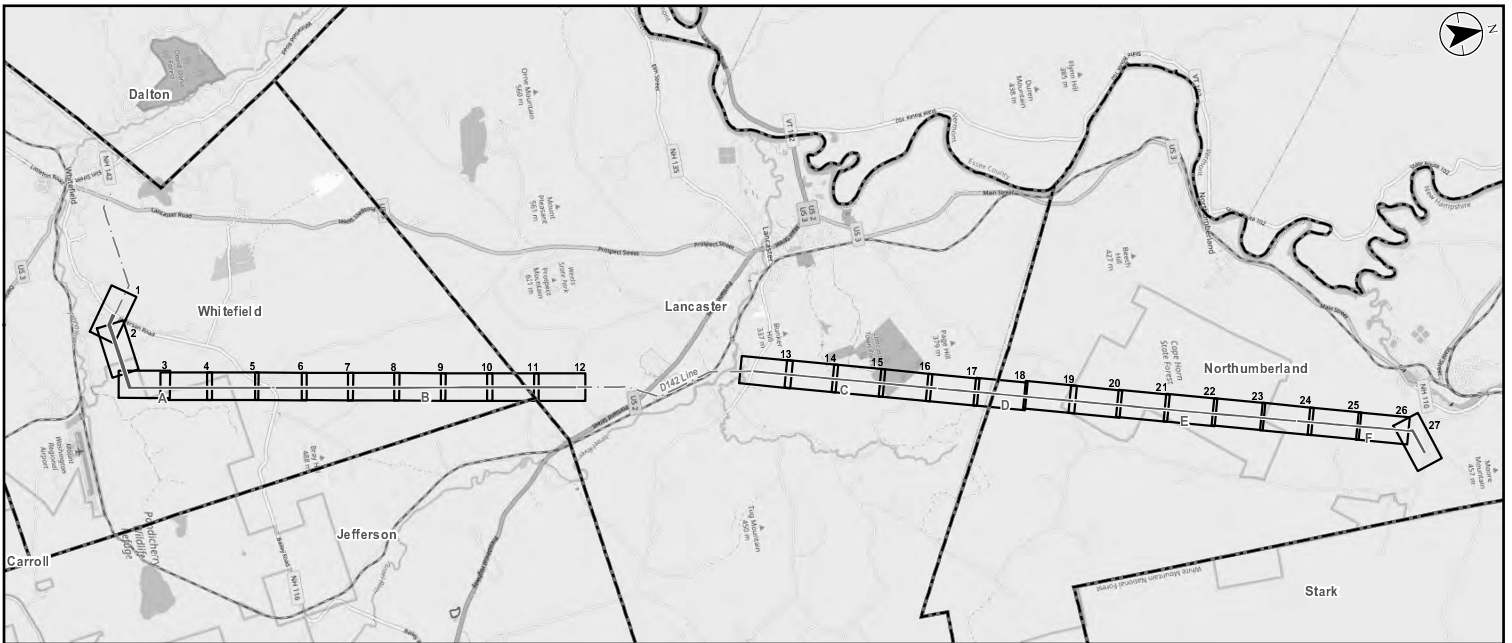
EVERSOURCE ENERGY

Stantec

May 18, 2021

Whitefield to Northumberland Rebuild Project (D142)

Surface Water and Groundwater Overlay Plans
Whitefield, Lancaster, and Northumberland,
New Hampshire
Date: May 26, 2021



Legend

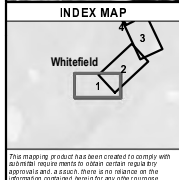
- Overhead Eversource Line
- Alteration of Terrain (AoT) Area
- Map Sheet
- ▭ Municipal Boundary

INDEX OF FIGURES

- Title Sheet
- 1 - 27 Map Sheets
- Notes
- Details

PREPARED FOR
EVSOURCE
ENERGY

PREPARED BY
Stantec



Legend	
Local Potential Contamination Sources (none)	Surface Waters with Impairments 2016 with Quarter Mile Buffer
Wellhead Protection Areas	Water Supply Intake Protection Areas (none)
Class A Surface Waters RSA 485A9 (none)	Watersheds with Chloride Impairments 2016 (none)
Coastal and Great Bay Region Communities (none)	Proposed Structure
Designated Rivers Quarter Mile Buffer (none)	Existing Structure
Groundwater Classification Areas GAT (none)	Overhead Five source 115kV Line
Groundwater Classification Areas GAD (none)	Overhead Five source 34.5kV Line
Groundwater Classification Areas GAA (none)	Proposed Alternative Access
All Lakes with a Quarter Mile Buffer (none)	Existing Access
Class A Surface Waters RSA 485A9 Lakes Only Quarter Mile Buffer (none)	Existing Right-of-Way (ROW)
Outstanding Resource Water Watersheds (none)	Suggested Erosion and Sediment Control (TYP)
AoT Disturbance Area - New Access	AoT Disturbance Area - Pad
Temporary Upland Construction Matting	Temporary Wetland Construction Matting
Eversource Fee-Owned Property	State-Owned Property
Parcel Boundary	Municipal Boundary
US National Forest Lands	1/4" - 1/2" Fence
Curved	Confined Vernal Pool Point
Delineated Ephemeral Stream	Delineated Intermittent Stream
Delineated Perennial Stream	Delineated Wetland Boundary
Field Delineated Wetland	Confined Vernal Pool Extent
Open Water	FEMA 100-Year Flood Zone
Floodway	2' Contours
10' Contours	

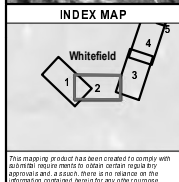
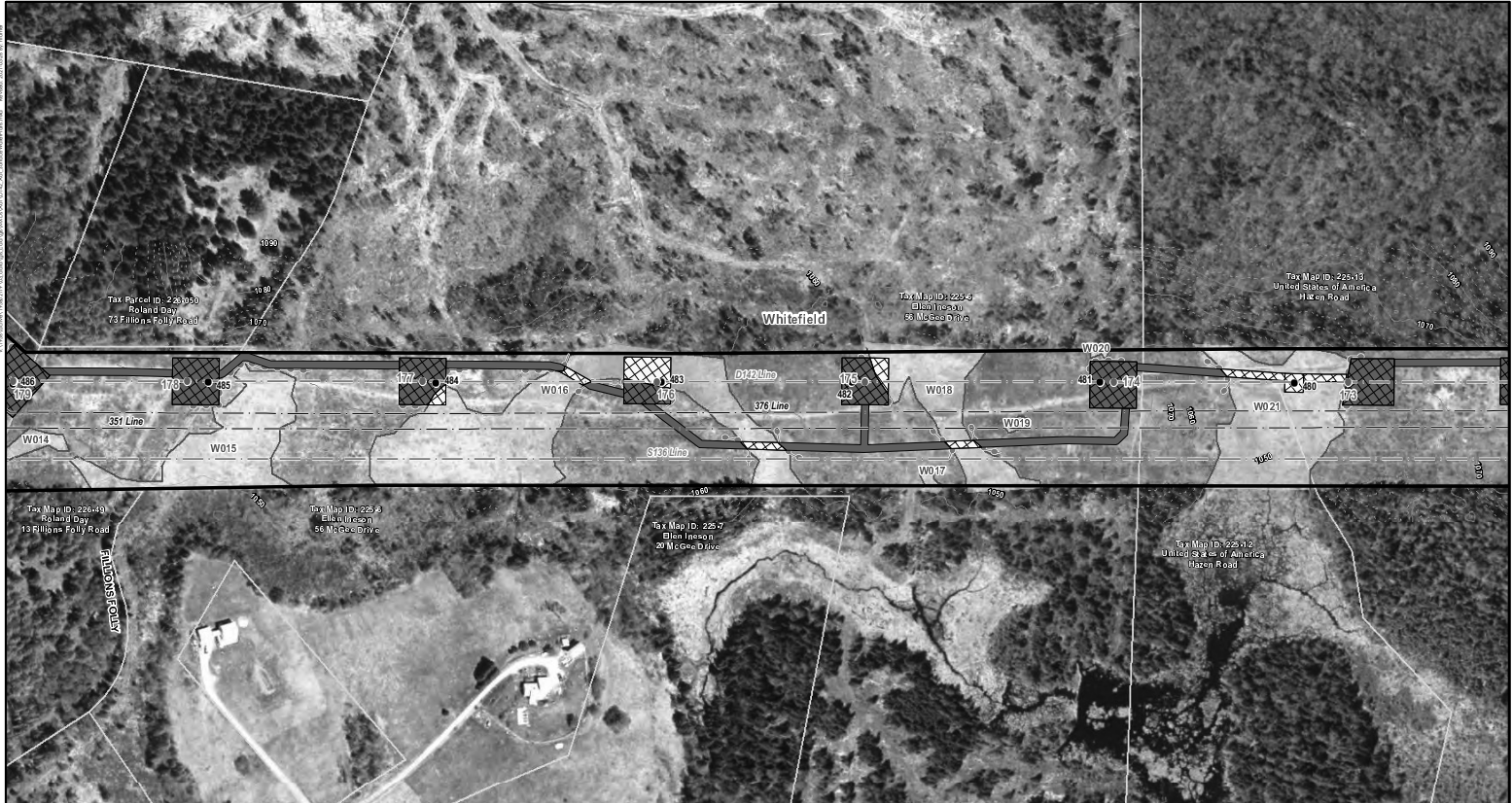
Whitefield to Northumberland Rebuild Project (D142)
Alteration of Terrain Surface Water and Groundwater Overlay Plans
 Whitefield, New Hampshire
 Map Sheet 1 of 27

EVERSOURCE ENERGY

Stantec

May 26, 2021

This map was prepared by Eversource Energy for the Whitefield to Northumberland Rebuild Project (D142) and is not to be used for any other purpose.



Legend	
Local Potential Contamination Sources (none)	Surface Waters with impairments 2016 with Quarter Mile Buffer
Wellhead Protection Areas	Water Supply Intake Protection Areas (none)
Class A Surface Waters RSA 485A9 (none)	Watersheds with Chloride impairments 2018 (none)
Coastal and Great Bay Region Communities (none)	Proposed Structure
Designated Rivers Quarter Mile Buffer (none)	Existing Structure
Groundwater Classification Areas GAT (none)	Overhead Five source 115kV Line
Groundwater Classification Areas GAG (none)	Overhead Five source 34.5kV Line
Groundwater Classification Areas GAA (none)	Proposed Alternative Access
All Lakes with a Quarter Mile Buffer (none)	Existing Access
Class A Surface Waters RSA 485A9 Lakes Only Quarter Mile Buffer (none)	Existing Right-of-Way (ROW)
Outstanding Resource Water Watersheds (none)	Suggested Erosion and Sediment Control (TYP)
Not Disturbance Areas - New Access	Not Disturbance Areas - Pad
Temporary Upland Construction Matting	Temporary Wetland Construction Matting
Eversource Fee-Owned Property	State-Owned Property
Parcel Boundary	Municipal Boundary
US National Forest Lands	Fence
Curved	Confined Vernal Pool Point
	Delineated Ephemeral Stream
	Delineated Intermittent Stream
	Delineated Perennial Stream
	Delineated Wetland Boundary
	Field Delineated Wetland
	Confined Vernal Pools Eminent
	Open Water
	FEMA 100-Year Flood Zone
	Floodway
	2' Contours
	10' Contours

Whitefield to Northumberland Rebuild Project (D142) Alteration of Terrain Surface Water and Groundwater Overlay Plans

Whitefield, New Hampshire

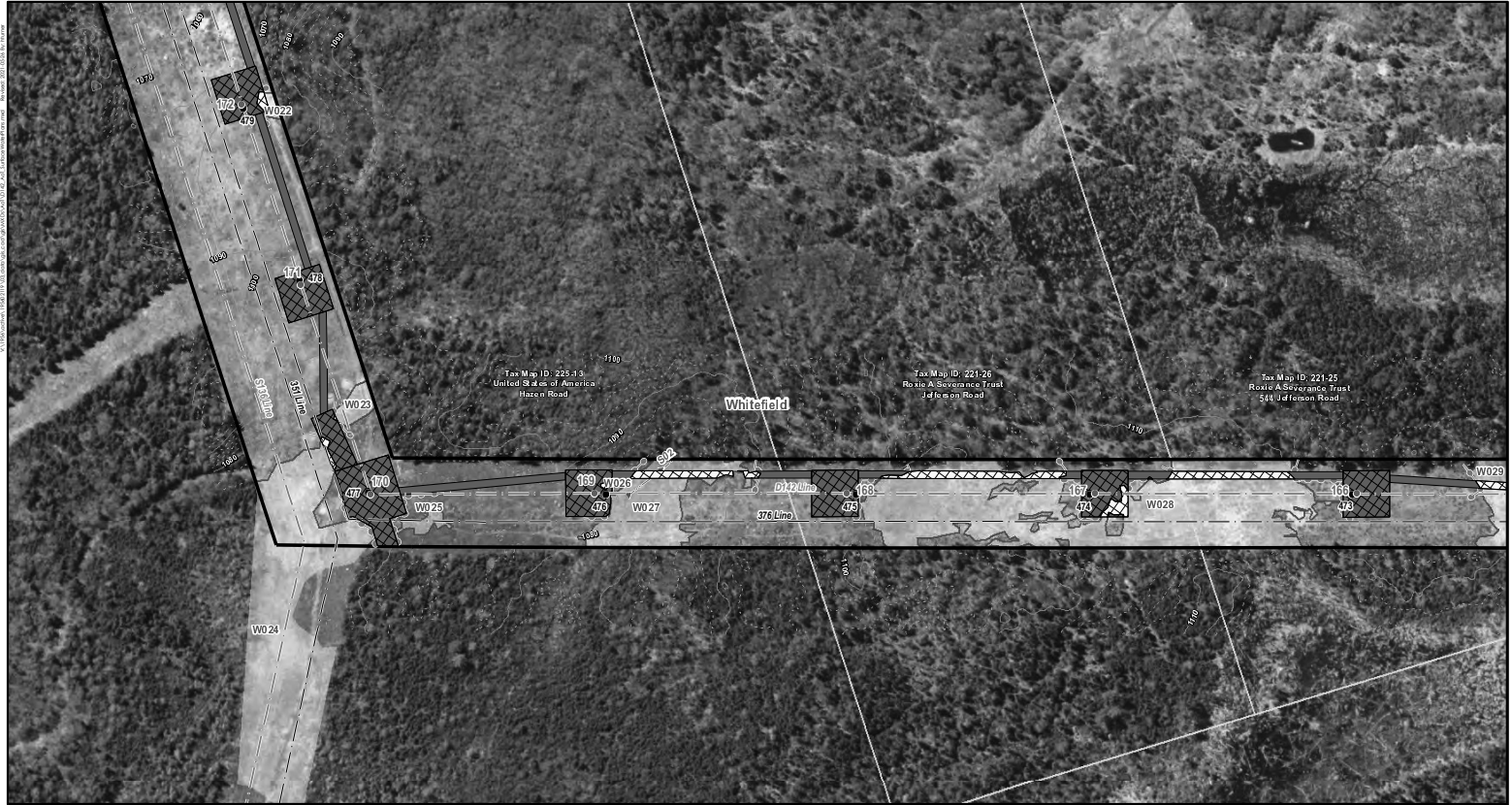
Map Sheet 2 of 27

EVERSOURCE ENERGY

Stantec

May 26, 2021

This map was prepared by Eversource Energy and Stantec for the Whitefield to Northumberland Rebuild Project (D142). It is not intended to be used for any other purpose.



Legend	
Local Potential Contamination Sources (none)	Surface Waters with impairments 2016 with Quarter Mile Buffer
Wellhead Protection Areas	Water Supply Intake Protection Areas (none)
Class A Surface Waters RSA 485A9 (none)	Watersheds with Chloride impairments 2016 (none)
Coastal and Great Bay Region Communities (none)	Proposed Structure
Designated Rivers Quarter Mile Buffer (none)	Existing Structure
Groundwater Classification Areas GAT (none)	Overhead Five source 115kV Line
Groundwater Classification Areas GAD (none)	Overhead Five source 34.5kV Line
Groundwater Classification Areas GAA (none)	Proposed Alternative Access
All Lakes with a Quarter Mile Buffer (none)	Existing Access
Class A Surface Waters RSA 485A9 Lakes Only Quarter Mile Buffer (none)	Existing Right-of-Way (ROW)
Outstanding Resource Water Watersheds (none)	Suggested Erosion and Sediment Control (TYP)
Not a Disturbance Area - New Access	Not a Disturbance Area - Pad
Temporary Upland Construction Matting	Temporary Wetland Construction Matting
Eversource Fee-Owned Property	State-Owned Property
Parcel Boundary	Municipal Boundary
US National Forest Lands	Fence
Curved	Confined Vernal Pool Point
Delineated Ephemeral Stream	Delineated Intermittent Stream
Delineated Perennial Stream	Delineated Wetland Boundary
Field Delineated Wetland	Confined Vernal Pool Eminent
Open Water	FEMA 100-Year Flood Zone
Floodway	Contours
Contours	10' Contours

Whitefield to Northumberland Rebuild Project (D142) Alteration of Terrain Surface Water and Groundwater Overlay Plans

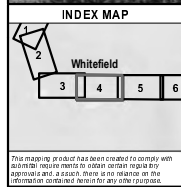
Whitefield, New Hampshire

Map Sheet 3 of 27

EVERSOURCE ENERGY

Stantec

May 26, 2021



- Legend**
- Local Potential Contamination Sources (none)
 - Wellhead Protection Areas
 - Class A Surface Waters RSA 485A9 (none)
 - Coastal and Great Bay Region Communities (none)
 - Designated Rivers Quartermile Buffer (none)
 - Groundwater Classification Areas GAT (none)
 - Groundwater Classification Areas GAA (none)
 - Groundwater Classification Areas GAA (none)
 - All Lakes with a Quarter Mile Buffer (none)
 - Class A Surface Waters RSA 485A9 Lakes Only Quartermile Buffer (none)
 - Outstanding Resource Water Watersheds (none)
 - Surface Waters with impairments 2016 with Quarter Mile Buffer
 - Water Supply Intake Protection Areas (none)
 - Watersheds with Chloride Impairments 2016 (none)
 - Proposed Structure
 - Existing Structure
 - Overhead Five source 115kv Line
 - Overhead Five source 34.5kv Line
 - Proposed Alternative Access
 - Existing Access
 - Existing Right-of-Way (ROW)
 - Suggested Erosion and Sediment Control (TYP)
 - AdT Disturbance Area - New Access
 - AdT Disturbance Area - Pad
 - Temporary Upland Construction Matting
 - Temporary Wetland Construction Matting
 - Eversource Fee-Owned Property
 - State-Owned Property
 - Parcel Boundary
 - Municipal Boundary
 - US National Forest Lands
 - XXXX Fence
 - Curved
 - Confined Vernal Pool Point
 - Delineated Ephemeral Stream
 - Delineated Intermittent Stream
 - Delineated Perennial Stream
 - Delineated Wetland Boundary
 - Field Delineated Wetland
 - Confined Vernal Pool Eject
 - Open Water
 - FEMA 100-Year Flood Zone
 - Floodway
 - Contours
 - 10' Contours

Whitefield to Northumberland Rebuild Project (D142) Alteration of Terrain Surface Water and Groundwater Overlay Plans

Whitefield, New Hampshire

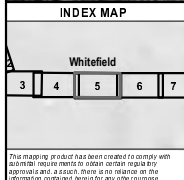
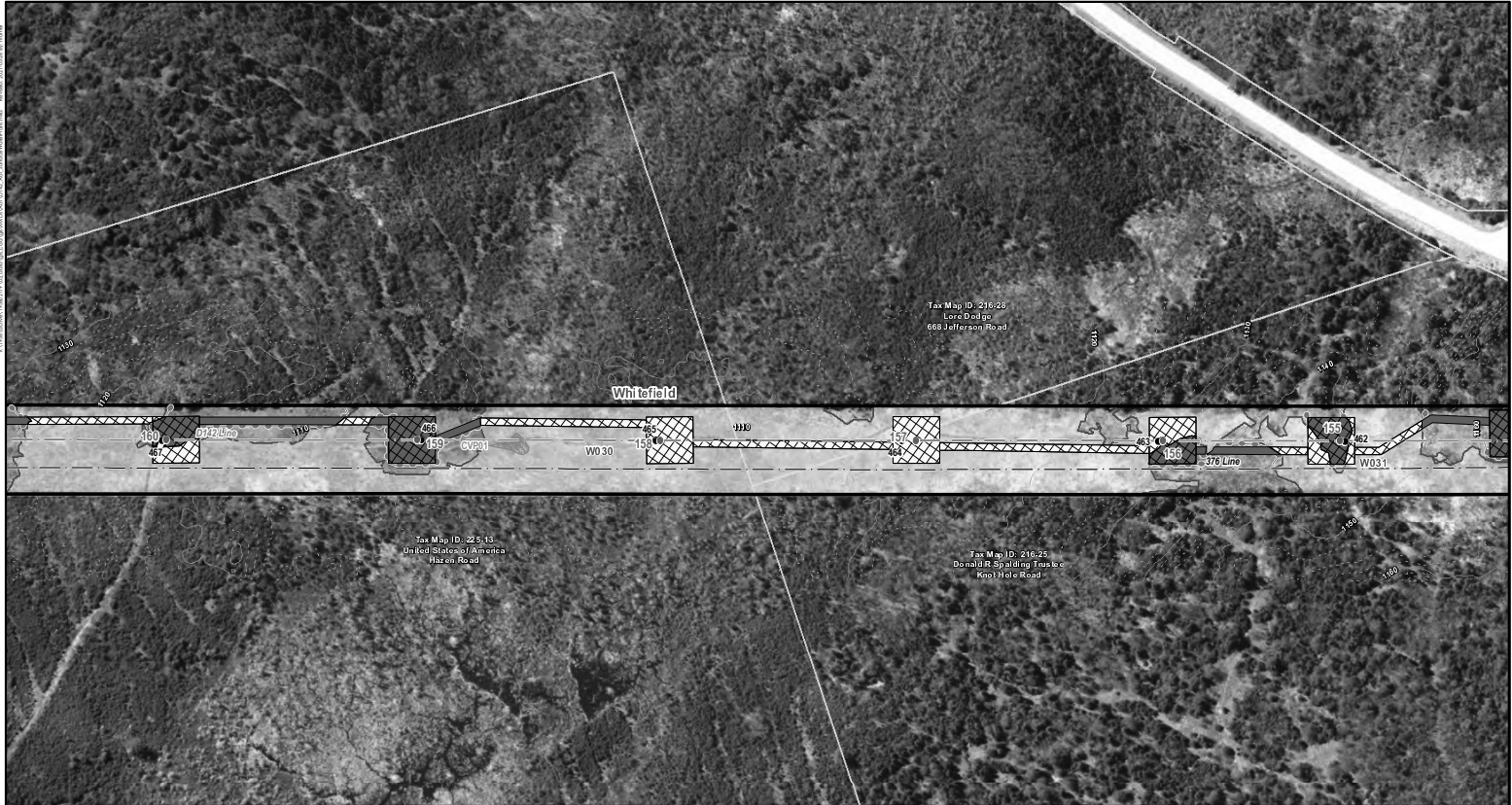
Map Sheet 4 of 27

EVERSOURCE ENERGY

Stantec

May 26, 2021

This map was created using the following data sources: Aerial Imagery (2019), Topographic Data (2019), and Other Data (2019). The map is for informational purposes only and does not constitute a contract. Eversource Energy and Stantec are not responsible for any errors or omissions.



Legend

<ul style="list-style-type: none"> Local Potential Contamination Sources (none) Wellhead Protection Areas Class A Surface Waters RSA 485A9 (none) Coastal and Great Bay Region Communities (none) Designated Rivers Quarter Mile Buffer (none) Groundwater Classification Areas GAT (none) Groundwater Classification Areas GAG (none) Groundwater Classification Areas GAA (none) All Lakes with a Quarter Mile Buffer (none) Class A Surface Waters RSA 485A9 Lakes Only Quarter Mile Buffer (none) Outstanding Resource Water Watersheds (none) 	<ul style="list-style-type: none"> Surface Waters with impairments 2016 with Quarter Mile Buffer Water Supply Intake Protection Areas (none) Watersheds with Chloride impairments 2016 (none) Proposed Structure Existing Structure Overhead Five source 115kV Line Overhead Five source 34.5kV Line Proposed Alternative Access Existing Access Existing Right-of-Way (ROW) Suggested Erosion and Sediment Control (TYP) 	<ul style="list-style-type: none"> AdT Disturbance Area - New Access AdT Disturbance Area - Pad Temporary Upland Construction Matting Temporary Wetland Construction Matting Eversource Fee-Owned Property State-Owned Property Parcel Boundary Municipal Boundary US National Forest Lands Curved 	<ul style="list-style-type: none"> Confined Vernal Pool Point Delineated Ephemeral Stream Delineated Intermittent Stream Delineated Perennial Stream Delineated Wetland Boundary Field Delineated Wetland Confined Vernal Pool Extent Open Water FEMA 100-Year Flood Zone Footway Contours 10' Contours
---	--	--	---

Scale: 0 to 200 Feet

802-8888
CRS 900 System, NAD 83 StatePlane New Hampshire ZIPS 2005 Feet. Data: Wetland boundaries delineated by Stantec in 2020 in accordance with USACE Wetland Delineation Manual (1987) for subsequent projects. All other data provided by Eversource Energy, Base National Grid NAD 83 NAD 83 StatePlane.

Whitefield to Northumberland Rebuild Project (D142)
Alteration of Terrain Surface Water and Groundwater Overlay Plans

Whitefield, New Hampshire

Map Sheet 5 of 27

EVERSOURCE ENERGY

Stantec

May 26, 2021



INDEX MAP

Whitefield			
4	5	6	7
8			

This mapping product has been created to comply with applicable regulatory requirements to obtain certain rights by approval and, as such, there may be instances where the information contained herein may differ from other sources.

Legend

<ul style="list-style-type: none"> Local Potential Contamination Sources (none) Wellhead Protection Areas Class A Surface Waters RSA 485A9 (none) Coastal and Great Bay Region Communities (none) Designated Rivers Quarter Mile Buffer (none) Groundwater Classification Areas GAT (none) Groundwater Classification Areas GAB (none) Groundwater Classification Areas GAA (none) All Lakes with a Quarter Mile Buffer (none) Class A Surface Waters RSA 485A9 Lakes Only Quarter Mile Buffer (none) Outstanding Resource Water Watersheds (none) 	<ul style="list-style-type: none"> Surface Waters with impairments 2016 with Quarter Mile Buffer Water Supply Intake Protection Areas (none) Watersheds with Chloride impairments 2016 (none) Proposed Structure Existing Structure Overhead five source 115kV Line Overhead five source 34.5kV Line Proposed Alternative Access Existing Access Existing Right-of-Way (ROW) Suggested Erosion and Sediment Control (TYP) 	<ul style="list-style-type: none"> Not Disturbance Area - New Access Not Disturbance Area - Pad Temporary Upland Construction Matting Temporary Wetland Construction Matting Eversource Fee-Owned Property State-Owned Property Parcel Boundary Municipal Boundary US National Forest Lands Fence Curved 	<ul style="list-style-type: none"> Confined Vernal Pool Point Delineated Ephemeral Stream Delineated Intermittent Stream Delineated Perennial Stream Delineated Wetland Boundary Field Delineated Wetland Confined Vernal Pool Eject Open Water FEMA 100-Year Flood Zone Floodway 2 Contours 10' Contours
---	--	---	---

Scale: 0 to 200 Feet
1 inch = 200 feet (approximate 1:200)

North Arrow: N

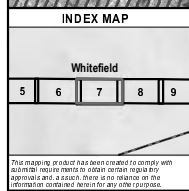
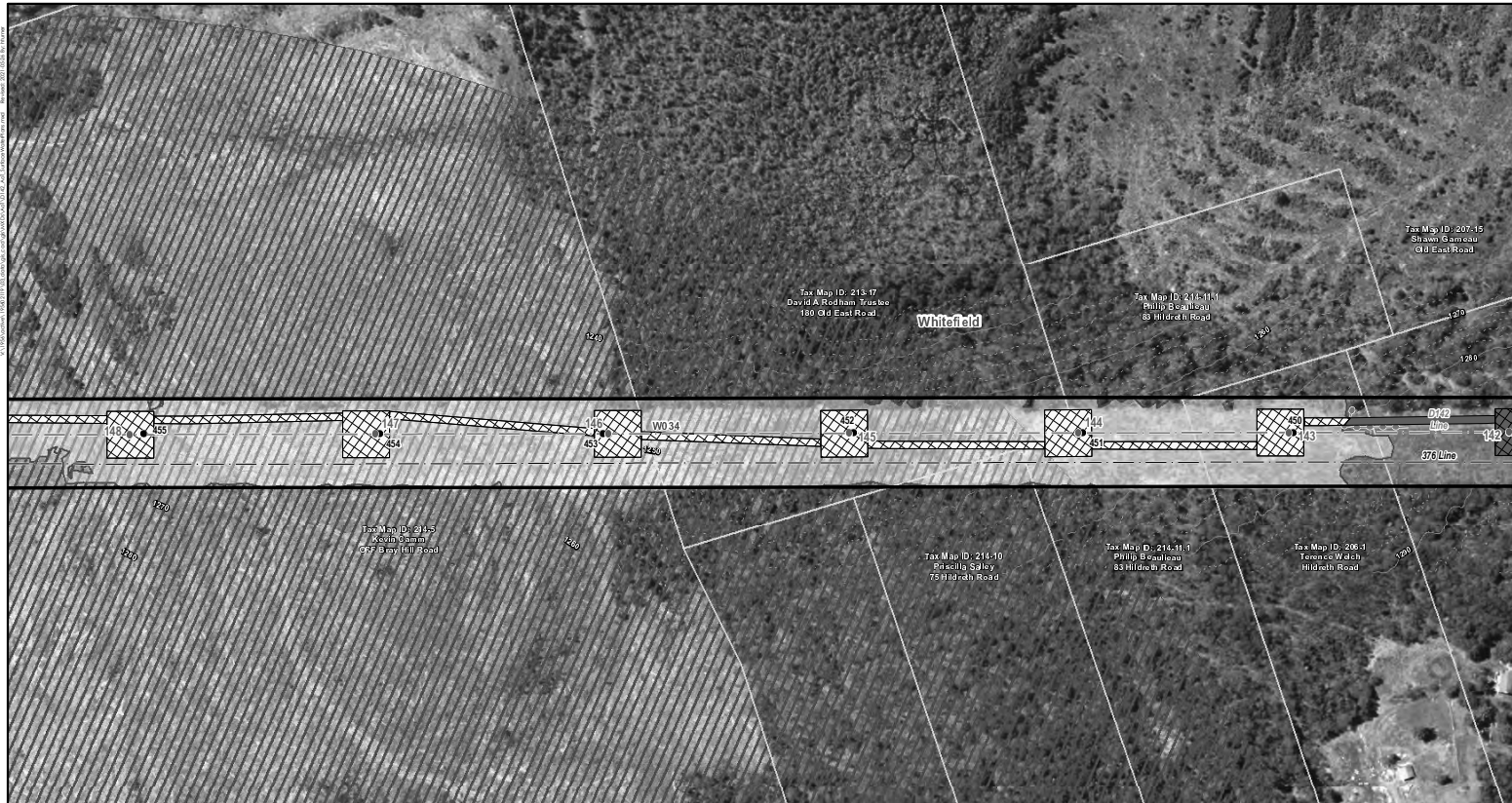
Projection: NAD 83 StatePlane New Hampshire ZIPS 2005 Feet
Units: Meter. Horizontal datum: Delmeire by State in 2020 in accordance with USACE Wetland Delineation Manual (1987) for subsequent projects. Use owner data provided by Eversource Energy. Base National Grid: NAD 83 StatePlane New Hampshire ZIPS 2005 Feet. Base map: 2015 aerial imagery provided by AHOGRANT.

Whitefield to Northumberland Rebuild Project (D142)
Alteration of Terrain Surface Water and Groundwater Overlay Plans
 Whitefield, New Hampshire
 Map Sheet 6 of 27

EVERSOURCE ENERGY

Stantec

May 26, 2021



Legend

<ul style="list-style-type: none"> Local Potential Contamination Sources (none) Wellhead Protection Areas Class A Surface Waters RSA 485A9 (none) Coastal and Great Bay Region Communities (none) Designated Rivers Quarter Mile Buffer (none) Groundwater Classification Areas GAT (none) Groundwater Classification Areas GAG (none) Groundwater Classification Areas GAA (none) All Lakes with a Quarter Mile Buffer (none) Class A Surface Waters RSA 485A9 Lakes Only Quarter Mile Buffer (none) Outstanding Resource Water Watersheds (none) 	<ul style="list-style-type: none"> Surface Waters with impairments 2016 with Quarter Mile Buffer Water Supply Intake Protection Areas (none) Watersheds with Chloride impairments 2016 (none) Proposed Structure Existing Structure Overhead Five source 115kv Line Overhead Five source 34.5kv Line Proposed Alternative Access Existing Access Existing Right-of-Way (ROW) Suggested Erosion and Sediment Control (TYP) 	<ul style="list-style-type: none"> Not Disturbance Area - New Access Not Disturbance Area - Pad Temporary Upland Construction Matting Temporary Wetland Construction Matting Eversource Fee-Owned Property State-Owned Property Parcel Boundary Municipal Boundary US National Forest Lands 1/4" Contour Curvet 	<ul style="list-style-type: none"> Confined Vernal Pool Point Delineated Ephemeral Stream Delineated Intermittent Stream Delineated Perennial Stream Delineated Wetland Boundary Field Delineated Wetland Confined Vernal Pool Extent Open Water FEMA 100-Year Flood Zone Floodway Contours 10' Contours
---	--	--	--

Whitefield to Northumberland Rebuild Project (D142)
Alteration of Terrain Surface Water and Groundwater Overlay Plans
 Whitefield, New Hampshire
 Map Sheet 7 of 27

EVERSOURCE ENERGY

Stantec

May 26, 2021

C:\Users\jgibson\OneDrive\Documents\Projects\Whitefield\Map_Sheet_7.mxd - 5/26/2021 10:52 AM - 10/26/2021 10:52 AM



INDEX MAP

Whitefield

Jefferson

Legend

- Local Potential Contamination Sources (none)
- Wellhead Protection Areas
- Class A Surface Waters RSA 485A9 (none)
- Coastal and Great Bay Region Communities (none)
- Designated Rivers Quarter Mile Buffer (none)
- Groundwater Classification Areas GAT (none)
- Groundwater Classification Areas GAG (none)
- Groundwater Classification Areas GAA (none)
- All Lakes with a Quarter Mile Buffer (none)
- Class A Surface Waters RSA 485A9 Lakes Only Quarter Mile Buffer (none)
- Outstanding Resource Water Watersheds (none)
- Surface Waters with impairments 2016 with Quarter Mile Buffer
- Water Supply Intake Protection Areas (none)
- Watersheds with Chemical impairments 2016 (none)
- Proposed Structure
- Existing Structure
- Overhead Five source 115kV Line
- Overhead Five source 34.5kV Line
- Proposed Alternative Access
- Existing Access
- Existing Right-of-Way (ROW)
- Suggested Erosion and Sediment Control (TYP)
- Not Disturbance Area - New Access
- Not Disturbance Area - Pad
- Temporary Upland Construction Matting
- Temporary Wetland Construction Matting
- Eversource Fee-Owned Property
- State-Owned Property
- Parcel Boundary
- Municipal Boundary
- US National Forest Lands
- Fence
- Curved
- Confined Vernal Pool Point
- Delineated Ephemeral Stream
- Delineated Intermittent Stream
- Delineated Perennial Stream
- Delineated Wetland Boundary
- Field Delineated Wetland
- Confined Vernal Pools Ephemeral
- Open Water
- FEMA 100-Year Flood Zone
- Footway
- 2 Contours
- 10' Contours

Whitefield to Northumberland Rebuild Project (D142)
Alteration of Terrain Surface Water and Groundwater Overlay Plans

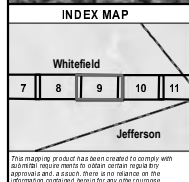
Whitefield, New Hampshire

Map Sheet 8 of 27

EVERSOURCE ENERGY

Stantec

May 26, 2021



Legend

<ul style="list-style-type: none"> Local Potential Contamination Sources (none) Wetland Protection Areas Class A Surface Waters RSA 485A9 (none) Coastal and Great Bay Region Communities (none) Designated Rivers Quarter Mile Buffer (none) Groundwater Classification Areas GAT (none) Groundwater Classification Areas GAD (none) Groundwater Classification Areas GAA (none) All Lakes with a Quarter Mile Buffer (none) Class A Surface Waters RSA 485A9 Lakes Only Quarter Mile Buffer (none) Outstanding Resource Water Watersheds (none) 	<ul style="list-style-type: none"> Surface Waters with impairments 2016 with Quarter Mile Buffer Water Supply Intake Protection Areas (none) Watersheds with Chloride impairments 2016 (none) Proposed Structure Existing Structure Overhead Five source 115kV Line Overhead Five source 34.5kV Line Proposed Alternative Access Existing Access Existing Right-of-Way (ROW) Suggested Erosion and Sediment Control (TYP) 	<ul style="list-style-type: none"> AsT Disturbance Area - New Access AsT Disturbance Area - Pad Temporary Upland Construction Matting Temporary Wetland Construction Matting Eversource Fee-Owned Property State-Owned Property Parcel Boundary Municipal Boundary US National Forest Lands 1/4" = 1" Fence Curved 	<ul style="list-style-type: none"> Confined Vernal Pool Point Delineated Ephemeral Stream Delineated Intermittent Stream Delineated Perennial Stream Delineated Wetland Boundary Field Delineated Wetland Confined Vernal Pools Eminent Open Water FEMA 100-Year Flood Zone Floodway Contours 10' Contours
--	--	---	--

Scale: 0 to 200 Feet
 1 inch = 200 feet (approximate 1:12,500)

Projection: NAD 83 StatePlane New Hampshire ZIPS 2005 Feet
 Note: Wetland boundaries delineated by Stantec in 2020 in accordance with USACE Wetland Delineation Manual (1987) for subsequent projects. See other maps provided by Eversource Energy, State National Wetland Inventory Database.

Whitefield to Northumberland Rebuild Project (D142) Alteration of Terrain Surface Water and Groundwater Overlay Plans

Whitefield, New Hampshire

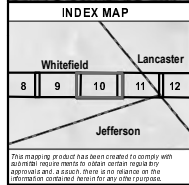
Map Sheet 9 of 27

EVERSOURCE ENERGY

Stantec

May 26, 2021

C:\Users\jsteele\OneDrive\Documents\Projects\Whitefield\Map_Sheet_9_of_27.mxd - 5/26/2021 10:54 AM - 10/10/2021 10:54 AM



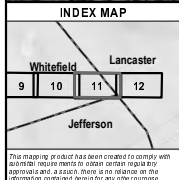
Legend	
Local Potential Contamination Sources (none)	Surface Waters with impairments 2016 with Quarter Mile Buffer
Wellhead Protection Areas	Water Supply Intake Protection Areas (none)
Class A Surface Waters RSA 485A9 (none)	Watersheds with Chloride impairments 2016 (none)
Coastal and Great Bay Region Communities (none)	Proposed Structure
Designated Rivers Quarter Mile Buffer (none)	Existing Structure
Groundwater Classification Areas GAI (none)	Overhead Five source 115kV Line
Groundwater Classification Areas GAG (none)	Overhead Five source 34.5kV Line
Groundwater Classification Areas GAA (none)	Proposed Alternative Access
All Lakes with a Quarter Mile Buffer (none)	Existing Access
Class A Surface Waters RSA 485A9 Lakes Only Quarter Mile Buffer (none)	Existing Right-of-Way (ROW)
Outstanding Resource Water Watersheds (none)	Suggested Erosion and Sediment Control (TYP)
Not Disturbance Area - New Access	Not Disturbance Area - Pad
Temporary Upland Construction Matting	Temporary Wetland Construction Matting
Eversource Fee-Owned Property	State-Owned Property
Parcel Boundary	Municipal Boundary
US National Forest Lands	Fence
Curved	Confined Vernal Pool Point
Delineated Ephemeral Stream	Delineated Intermittent Stream
Delineated Perennial Stream	Delineated Wetland Boundary
Field Delineated Wetland	Confined Vernal Pool Extent
Open Water	FEMA 100-Year Flood Zone
Footway	Contours
10' Contours	

Whitefield to Northumberland Rebuild Project (D142)
Alteration of Terrain Surface Water and Groundwater Overlay Plans
 Whitefield, New Hampshire
 Map Sheet 10 of 27

EVERSOURCE ENERGY

Stantec

May 26, 2021



Legend

<ul style="list-style-type: none"> Local Potential Contamination Sources (none) Wellhead Protection Areas Class A Surface Waters RSA 485A9 (none) Coastal and Great Bay Region Communities (none) Designated Rivers Quarter Mile Buffer (none) Groundwater Classification Areas GAT (none) Groundwater Classification Areas GAD (none) Groundwater Classification Areas GAA (none) All Lakes with a Quarter Mile Buffer (none) Class A Surface Waters RSA 485A9 Lakes Only Quarter Mile Buffer (none) Outstanding Resource Water Watersheds (none) 	<ul style="list-style-type: none"> Surface Waters with impairments 2016 with Quarter Mile Buffer Water Supply Intake Protection Areas (none) Watersheds with Chloride impairments 2016 (none) Proposed Structure Existing Structure Overhead five source 115kV Line Overhead five source 34.5kV Line Proposed Alternative Access Existing Access Existing Right-of-Way (ROW) Suggested Erosion and Sediment Control (TYP) 	<ul style="list-style-type: none"> AdT Disturbance Area - New Access AdT Disturbance Area - Pad Temporary Upland Construction Matting Temporary Wetland Construction Matting Eversource Fee-Owned Property State-Owned Property Parcel Boundary Municipal Boundary US National Forest Lands 1'-10' Fence Curved 	<ul style="list-style-type: none"> Confined Vernal Pool Point Delineated Ephemeral Stream Delineated Intermittent Stream Delineated Perennial Stream Delineated Wetland Boundary Field Delineated Wetland Confined Vernal Pools Extent Open Water FEMA 100-Year Flood Zone Floodway Contours 10' Contours
---	--	--	---

Scale: 0 to 200 Feet
 1 inch = 100 feet (approximate 11/17)

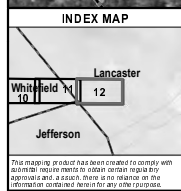
Map Notes:
 Coordinate System: NAD 83 StatePlane New Hampshire ZIPS 2005 Feet
 Data: Wetland boundaries delineated by Stantec in 2020 in accordance with USACE Wetland Delineation Manual (1987) for subsequent projects, and other data provided by Eversource Energy, State National Wetland Inventory Database
 Basemap: 2015 aerial imagery provided by AHOGRANT

Whitefield to Northumberland Rebuild Project (D142) Alteration of Terrain Surface Water and Groundwater Overlay Plans
 Whitefield and Lancaster, New Hampshire
 Map Sheet 11 of 27

EVERSOURCE ENERGY

Stantec

May 26, 2021



Legend	
	Local Potential Contamination Sources (none)
	Wellhead Protection Areas (none)
	Class A Surface Waters RSA 485A9 (none)
	Coastal and Great Bay Region Communities (none)
	Designated Rivers Quarter Mile Buffer (note)
	Groundwater Classification Areas GAT (none)
	Groundwater Classification Areas GAD (none)
	Groundwater Classification Areas GAA (note)
	All Lakes with a Quarter Mile Buffer (none)
	Class A Surface Waters RSA 485A9 Lakes Only
	Quarter Mile Buffer (note)
	Outstanding Resource Water Watersheds (none)
	Surface Waters with impairments 2016 with Quarter Mile Buffer
	Water Supply Intake Protection Areas (none)
	Watersheds with Chloride impairments 2016 (none)
	Proposed Structure
	Existing Structure
	Overhead Five source 115kV Line
	Overhead Five source 34.5kV Line
	Proposed Alternative Access
	Existing Access
	Existing Right-of-Way (ROW)
	Suggested Erosion and Sediment Control (TYP)
	AOT Disturbance Area - New Access
	AOT Disturbance Area - Pad
	Temporary Upland Construction Matting
	Temporary Wetland Construction Matting
	Eversource Fee-Owned Property
	State-Owned Property
	Parcel Boundary
	Municipal Boundary
	US National Forest Lands
	X-Y Fence
	Culvert
	Confined Vernal Pool Point
	Delineated Ephemeral Stream
	Delineated Intermittent Stream
	Delineated Perennial Stream
	Field Delineated Wetland
	Confined Vernal Pools Eminent
	Open Water
	FEMA 100-Year Flood Zone
	Floodway
	Contours
	10' Contours

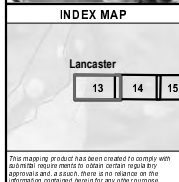
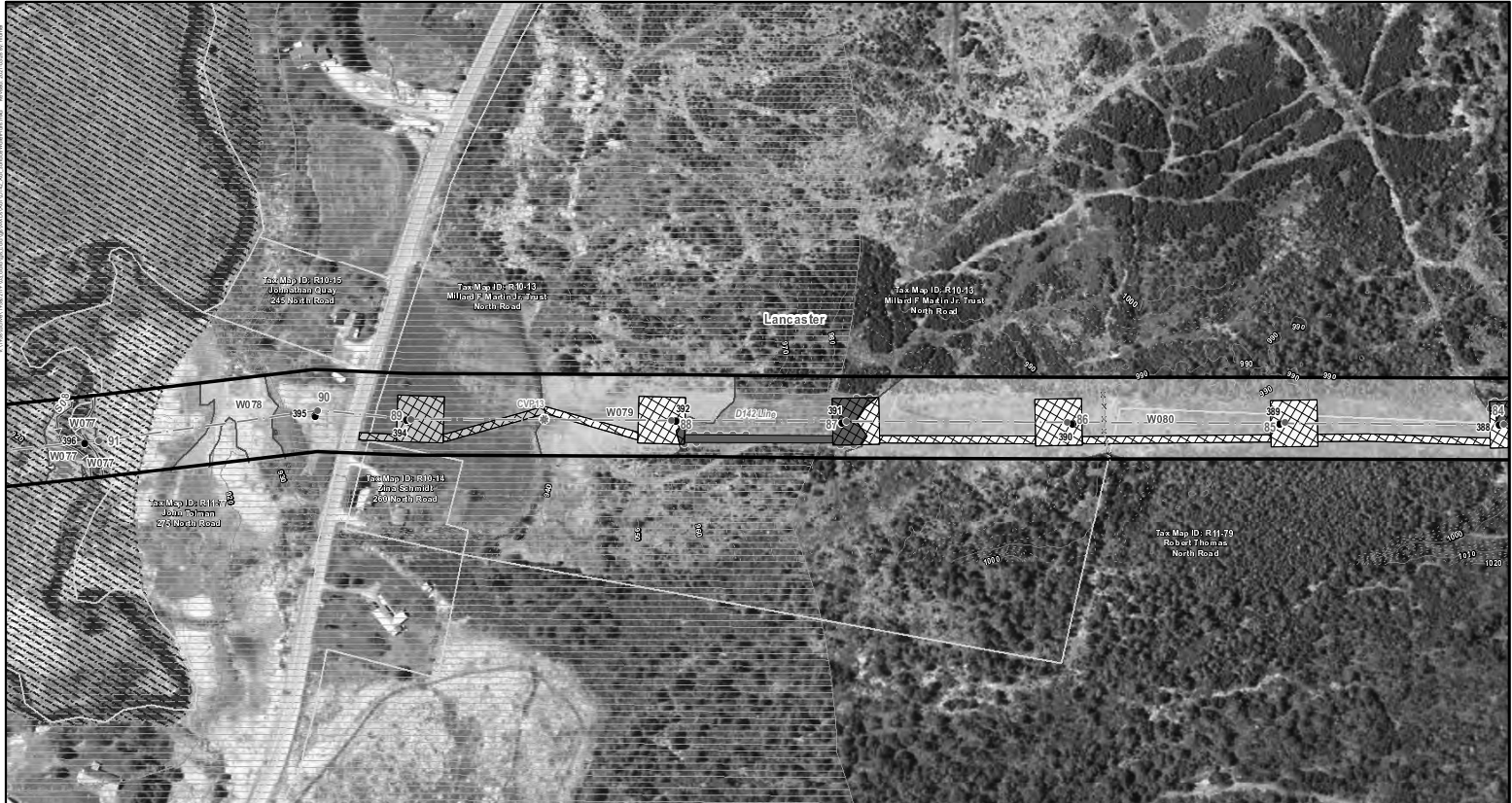
Whitefield to Northumberland Rebuild Project (D142)
Alteration of Terrain Surface Water and Groundwater Overlay Plans
 Lancaster, New Hampshire
 Map Sheet 12 of 27

EVERSOURCE ENERGY

Stantec

May 26, 2021

This map was prepared by Eversource Energy and Stantec. It is not intended to be used as a legal document. Eversource Energy and Stantec are not responsible for any errors or omissions in this map.



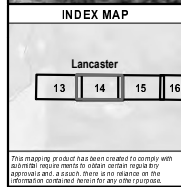
Legend	
Local Potential Contamination Sources (none)	Surface Waters with impairments 2016 with Quarter Mile Buffer
Wellhead Protection Areas	Water Supply Intake Protection Areas (none)
Class A Surface Waters RSA 485A9 (none)	Watersheds with Chemical impairments 2016 (none)
Coastal and Great Bay Region Communities (none)	Proposed Structure
Designated Rivers Quaternary Buffer (none)	Existing Structure
Groundwater Classification Areas GAI (none)	Overhead Five source 115kV Line
Groundwater Classification Areas GAC (none)	Overhead Five source 34.5kV Line
Groundwater Classification Areas GAA (none)	Proposed Alternative Access
All Lakes with a Quarter Mile Buffer (none)	Existing Access
Class A Surface Waters RSA 485A9 Lakes Only Quarter Mile Buffer (none)	Existing Right-of-Way (ROW)
Outstanding Resource Water Watersheds (none)	Suggested Erosion and Sediment Control (TYP)
Not a Disturbance Area - New Access	Not a Disturbance Area - Pad
Temporary Wetland Construction Matting	Temporary Wetland Construction Matting
Eversource Fee-Owned Property	State-Owned Property
Parcel Boundary	Municipal Boundary
US National Forest Lands	X-X Fence
Curved	Confined Vernal Pool Point
Delineated Ephemeral Stream	Delineated Intermittent Stream
Delineated Perennial Stream	Delineated Wetland Boundary
Field Delineated Wetland	Confined Vernal Pool Point
Open Water	FEMA 100-Year Flood Zone
Floodway	2 Contours
10' Contours	

Whitefield to Northumberland Rebuild Project (D142)
Alteration of Terrain Surface Water and Groundwater Overlay Plans
 Lancaster, New Hampshire
 Map Sheet 13 of 27

EVERSOURCE ENERGY

Stantec

May 26, 2021



Legend

<ul style="list-style-type: none"> ▲ Local Potential Contamination Sources (none) ▨ Wetland Protection Areas ▨ Class A Surface Waters RSA 485A9 (none) ▨ Coastal and Great Bay Region Communities (none) ▨ Designated Rivers Quarter Mile Buffer (none) ▨ Groundwater Classification Areas GAT (none) ▨ Groundwater Classification Areas GAA (none) ▨ Groundwater Classification Areas GAA (none) ▨ All Lakes with a Quarter Mile Buffer (none) ▨ Class A Surface Waters RSA 485A9 Lakes Only Quarter Mile Buffer (none) ▨ Outstanding Resource Water Watersheds (none) 	<ul style="list-style-type: none"> ▨ Surface Waters with impairments 2016 with Quarter Mile Buffer ▨ Water Supply Intake Protection Areas (none) ▨ Watersheds with Chloride Impairments 2016 (none) ● Proposed Structure ● Existing Structure — Overhead Five source 115kV Line — Overhead Five source 34.5kV Line ▨ Proposed Alternative Access ▨ Existing Access ▨ Existing Right-of-Way (ROW) ● Suggested Erosion and Sediment Control (TYP) 	<ul style="list-style-type: none"> ▨ AOT Disturbance Area - New Access ▨ AOT Disturbance Area - Pad ▨ Temporary Upland Construction Matting ▨ Temporary Wetland Construction Matting ▨ Eversource Fee-Owned Property ▨ State-Owned Property ▨ Parcel Boundary ▨ Municipal Boundary ▨ US National Forest Lands ▨ 1/4" = 1" Fence ● Culvert 	<ul style="list-style-type: none"> ● Confined Vernal Pool Point ▨ Delineated Ephemeral Stream ▨ Delineated Intermittent Stream ▨ Delineated Perennial Stream ▨ Delineated Wetland Boundary ▨ Field Delineated Wetland ▨ Confined Vernal Pools Extent ▨ Open Water ▨ FEMA 100-Year Flood Zone ▨ Floodway ▨ 2' Contours ▨ 10' Contours
--	--	--	--

Whitefield to Northumberland Rebuild Project (D142) Alteration of Terrain Surface Water and Groundwater Overlay Plans

Lancaster, New Hampshire

Map Sheet 14 of 27

EVERSOURCE ENERGY

Stantec

May 26, 2021

This mapping product has been created to comply with applicable regulatory requirements to obtain certain regulatory approvals and, as such, there may be reliance on the information contained herein for any other purposes.



INDEX MAP

Lancaster

13	14	15	16	17
----	----	----	----	----

This mapping product has been created to comply with applicable regulatory requirements to obtain certain regulatory approvals and, as such, there may be reliance on the information contained herein for any other purposes.

Legend

<ul style="list-style-type: none"> Local Potential Contamination Sources (none) Wellhead Protection Areas Class A Surface Waters RSA 485A9 (none) Coastal and Great Bay Region Communities (none) Designated Rivers Quarter Mile Buffer (none) Groundwater Classification Areas GAT (none) Groundwater Classification Areas GAD (none) Groundwater Classification Areas GAA (none) All Lakes with a Quarter Mile Buffer (none) Class A Surface Waters RSA 485A9 Lakes Only Quarter Mile Buffer (none) Outstanding Resource Water Watersheds (none) 	<ul style="list-style-type: none"> Surface Waters with impairments 2016 with Quarter Mile Buffer Water Supply Intake Protection Areas (none) Watersheds with Chloride impairments 2016 (none) Proposed Structure Existing Structure Overhead five source 115kV Line Overhead five source 34.5kV Line Proposed Alternative Access Existing Access Existing Right-of-Way (ROW) Suggested Erosion and Sediment Control (TYP) 	<ul style="list-style-type: none"> AdT Disturbance Area - New Access AdT Disturbance Area - Pad Temporary Upland Construction Matting Temporary Wetland Construction Matting Eversource Fee-Owned Property State-Owned Property Parcel Boundary Municipal Boundary US National Forest Lands Fence Curved 	<ul style="list-style-type: none"> Confined Vernal Pool Point Delineated Ephemeral Stream Delineated Intermittent Stream Delineated Perennial Stream Delineated Wetland Boundary Field Delineated Wetland Confined Vernal Pool Eminent Open Water FEMA 100-Year Flood Zone Floodway Contours 10' Contours
---	--	---	---

Scale: 0 to 200 Feet

North Arrow: True North (N), Magnetic North (M)

Projection: NAD 83 StatePlane New Hampshire ZIPS 2005 Feet

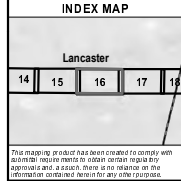
Notes: All wetland boundaries delineated by Stantec in 2020 in accordance with USACE Wetland Delineation Manual (1987) for delineation purposes. All water bodies shown are delineated by Eversource Energy. Base National Grid NAD 83 datum.

Whitefield to Northumberland Rebuild Project (D142)
Alteration of Terrain
Surface Water and Groundwater Overlay Plans
 Lancaster, New Hampshire
 Map Sheet 15 of 27

EVERSOURCE ENERGY

Stantec

May 26, 2021



Legend	
Local Potential Contamination Sources (none)	Surface Waters with Impairments 2016 with Quarter Mile Buffer
Wellhead Protection Areas	Water Supply Intake Protection Areas (none)
Class A Surface Waters RSA 485A9 (none)	Watersheds with Chloride Impairments 2016 (none)
Coastal and Great Bay Region Communities (none)	Proposed Structure
Designated Rivers Quaternary Buffer (none)	Existing Structure
Groundwater Classification Areas GAI (none)	Overhead Five source 115kV Line
Groundwater Classification Areas GAC (none)	Overhead Five source 34.5kV Line
Groundwater Classification Areas GAA (none)	Proposed Alternative Access
All Lakes with a Quarter Mile Buffer (none)	Existing Access
Class A Surface Waters RSA 485A9 Lakes Only Quarter Mile Buffer (none)	Existing Right-of-Way (ROW)
Outstanding Resource Water Watersheds (none)	Suggested Erosion and Sediment Control (TYP)
Not a Disturbance Area - New Access	Not a Disturbance Area - Pad
Temporary Upland Construction Matting	Temporary Wetland Construction Matting
Eversource Fee-Owned Property	State-Owned Property
Parcel Boundary	Municipal Boundary
US National Forest Lands	Fence
Curved	Confined Vernal Pool Point
Delineated Ephemeral Stream	Delineated Intermittent Stream
Delineated Perennial Stream	Delineated Wetland Boundary
Field Delineated Wetland	Confined Vernal Pool Eminent
Open Water	FEMA 100-Year Flood Zone
Floodway	Contours
Contours	Contours

Whitefield to Northumberland Rebuild Project (D142) Alteration of Terrain Surface Water and Groundwater Overlay Plans

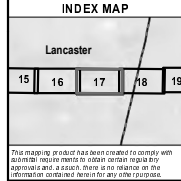
Lancaster, New Hampshire

Map Sheet 16 of 27

EVERSOURCE ENERGY

Stantec

May 26, 2021



Legend

<ul style="list-style-type: none"> Local Potential Contamination Sources (none) Wellhead Protection Areas Class A Surface Waters RSA 485A9 (none) Coastal and Great Bay Region Communities (none) Designated Rivers Quarter Mile Buffer (none) Groundwater Classification Areas GAT (none) Groundwater Classification Areas GAG (none) Groundwater Classification Areas GAA (none) All Lakes with a Quarter Mile Buffer (none) Class A Surface Waters RSA 485A9 Lakes Only Quarter Mile Buffer (none) Outstanding Resource Water Watersheds (none) 	<ul style="list-style-type: none"> Surface Waters with impairments 2016 with Quarter Mile Buffer Water Supply Intake Protection Areas (none) Watersheds with Chloride impairments 2016 (none) Proposed Structure Existing Structure Overhead five source 115kv Line Overhead five source 34.5kv Line Proposed Alternative Access Existing Access Existing Right-of-Way (ROW) Suggested Erosion and Sediment Control (TYP) 	<ul style="list-style-type: none"> AoT Disturbance Area - New Access AoT Disturbance Area - Pad Temporary Upland Construction Matting Temporary Wetland Construction Matting Eversource Fee-Owned Property State-Owned Property Parcel Boundary Municipal Boundary US National Forest Lands Fence Curved 	<ul style="list-style-type: none"> Confined Vernal Pool Point Delineated Ephemeral Stream Delineated Intermittent Stream Delineated Perennial Stream Delineated Wetland Boundary Field Delineated Wetland Confined Vernal Pool Extent Open Water FEMA 100-Year Flood Zone Footway Contours 10' Contours
---	--	---	---

Scale: 0 to 200 Feet
 1 inch = 200 feet (approximate 1:197)

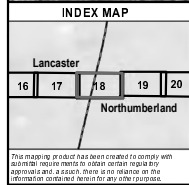
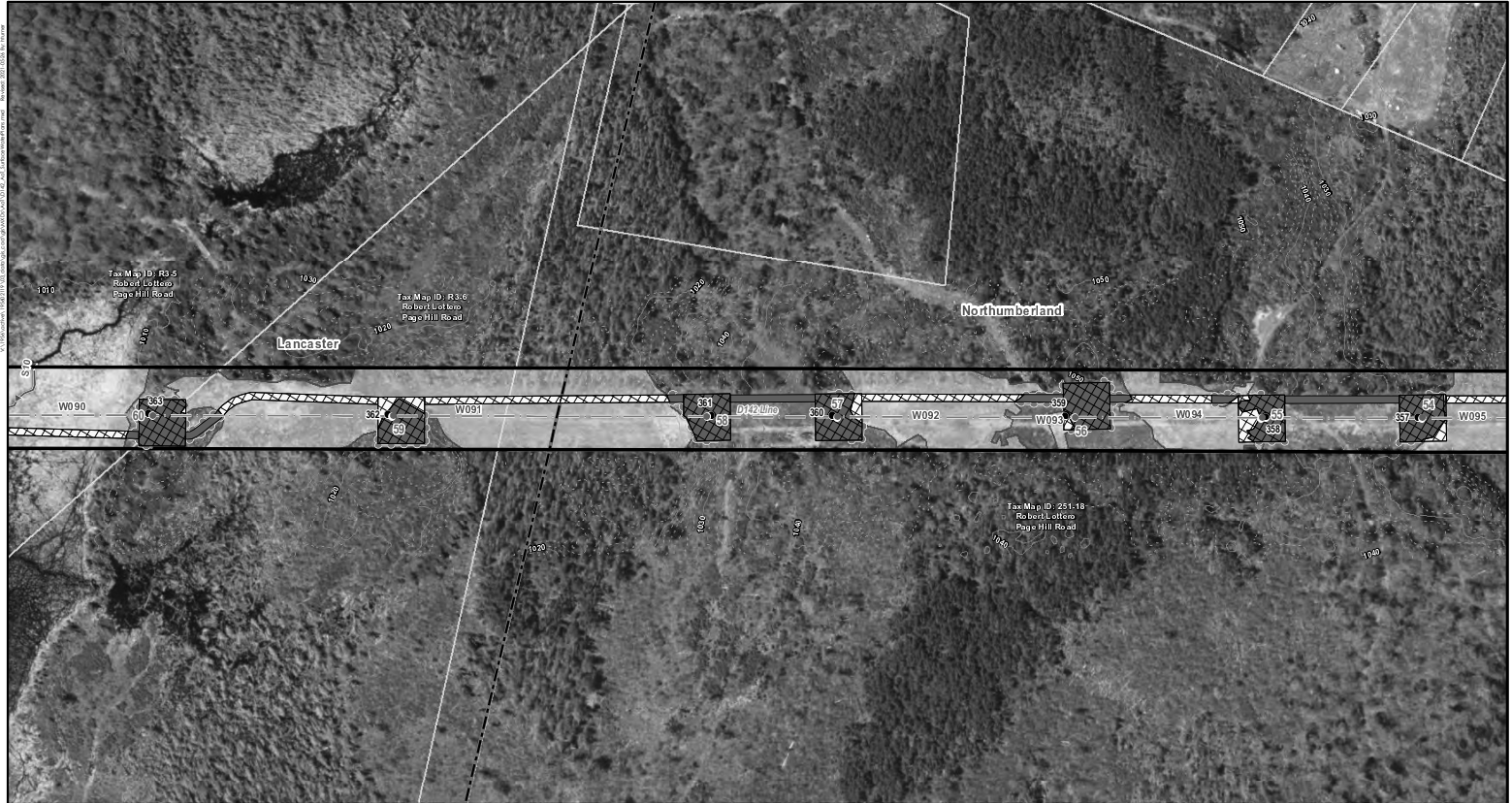
Map Scale: 1:197
 North Arrow
 NAD 83 State Plane New Hampshire ZIPS 2005 Feet
 Note: Wetland boundaries delineated by Stantec in 2020 in accordance with USACE Wetland Delineation Manual (1987) as supplemented by the 2016 100-foot buffer, stream channel, and other data provided by Eversource Energy. Base National Grid NAD 83 State Plane New Hampshire.

Whitefield to Northumberland Rebuild Project (D142)
Alteration of Terrain Surface Water and Groundwater Overlay Plans
 Lancaster, New Hampshire
 Map Sheet 17 of 27

EVERSOURCE ENERGY

Stantec

May 26, 2021



Legend	
▲ Local Potential Contamination Sources (none)	▲ Wellhead Protection Areas
▨ Class A Surface Waters RSA 485A9 (none)	▨ Coastal and Great Bay Region Communities (none)
▨ Designated Rivers Quarter Mile Buffer (none)	▨ Groundwater Classification Areas GAT (none)
▨ Groundwater Classification Areas GAB (none)	▨ Groundwater Classification Areas GAA (none)
▨ All Lakes with a Quarter Mile Buffer (none)	▨ Class A Surface Waters RSA 485A9 Lakes Only Quarter Mile Buffer (none)
▨ Outstanding Resource Water Watersheds (none)	▨ Surface Waters with impairments 2016 with Quarter Mile Buffer
▨ Water Supply Intake Protection Areas (none)	▨ Watersheds with Chloride impairments 2016 (none)
● Proposed Structure	● Existing Structure
— Overhead Five source 115kV Line	— Overhead Five source 34.5kV Line
— Proposed Alternative Access	— Existing Access
— Existing Right-of-Way (ROW)	— Suggested Erosion and Sediment Control (TYP)
■ AOT Disturbance Area - New Access	■ AOT Disturbance Area - Pad
▨ Temporary Upland Construction Matting	▨ Temporary Wetland Construction Matting
▨ Eversource Fee-Owned Property	▨ State-Owned Property
▨ Parcel Boundary	▨ Municipal Boundary
▨ US National Forest Lands	▨ Fence
● Culvert	● Confined Vernal Pool Point
— Delineated Ephemeral Stream	— Delineated Intermittent Stream
— Delineated Perennial Stream	— Field Delineated Wetland
— Delineated Wetland Boundary	— Field Delineated Wetland
— Confined Vernal Pools Eminent	— Open Water
— FEMA 100-Year Flood Zone	— Floodway
— Contours	— 10' Contours

Whitefield to Northumberland Rebuild Project (D142)
Alteration of Terrain Surface Water and Groundwater Overlay Plans
 Lancaster and Northumberland, New Hampshire

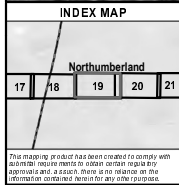
Map Sheet 18 of 27

EVERSOURCE ENERGY

Stantec

May 26, 2021

C:\Users\jwheeler\OneDrive\Documents\Projects\Whitefield to Northumberland Rebuild Project (D142)\Map_Sheet_18_of_27.mxd - 5/26/2021 10:54 AM - 10/10/2021 10:54 AM



Legend

<ul style="list-style-type: none"> Local Potential Contamination Sources (none) Wellhead Protection Areas Class A Surface Waters RSA 485A9 (none) Coastal and Great Bay Region Communities (none) Designated Rivers Quarter Mile Buffer (none) Groundwater Classification Areas GAT (none) Groundwater Classification Areas GAA (none) Groundwater Classification Areas GAA (none) All Lakes with a Quarter Mile Buffer (none) Class A Surface Waters RSA 485A9 Lakes Only Quarter Mile Buffer (none) Outstanding Resource Water Watersheds (none) 	<ul style="list-style-type: none"> Surface Waters with impairments 2016 with Quarter Mile Buffer Water Supply Intake Protection Areas (none) Watersheds with Chloride impairments 2016 (none) Proposed Structure Existing Structure Overhead Five source 115kv Line Overhead Five source 34.5kv Line Proposed Alternative Access Existing Access Existing Right-of-Way (ROW) Suggested Erosion and Sediment Control (TYP) 	<ul style="list-style-type: none"> AdT Disturbance Area - New Access AdT Disturbance Area - Pad Temporary Upland Construction Matting Temporary Wetland Construction Matting Eversource Fee-Owned Property State-Owned Property Parcel Boundary Municipal Boundary US National Forest Lands Fence Curved 	<ul style="list-style-type: none"> Confined Vernal Pool Point Delineated Ephemeral Stream Delineated Intermittent Stream Delineated Perennial Stream Delineated Wetland Boundary Field Delineated Wetland Confined Vernal Pools Ephemeral Open Water FEMA 100-Year Flood Zone Floodway Contours Contours
---	--	---	--

Scale: 0 to 200 Feet
 1 inch = 100 feet (approximate 11/17)

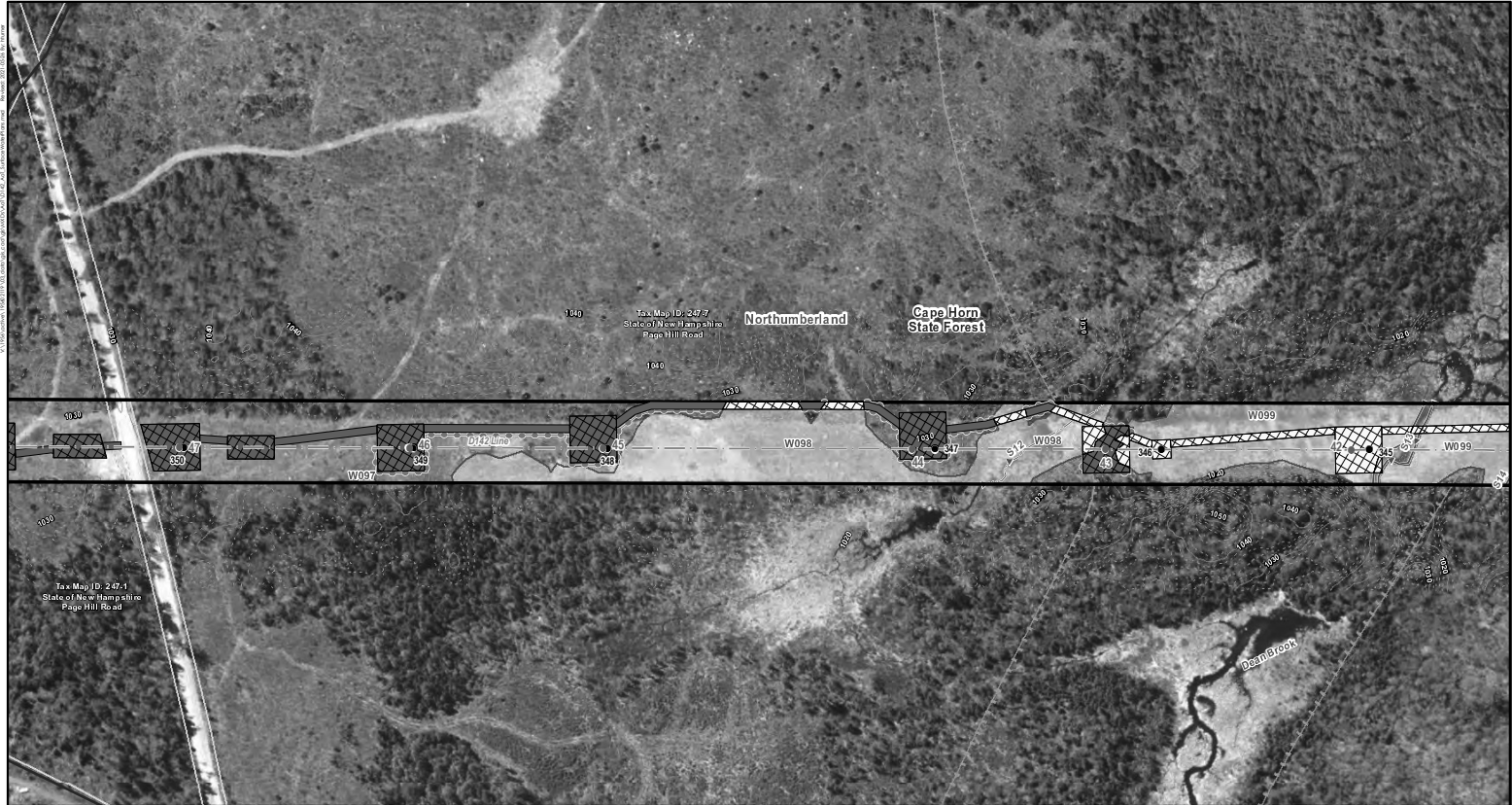
Map Notes:
 802.00000
 Contour System: NAD 83 State Plane New Hampshire ZIPS 2005 Feet
 Note: Wetland boundaries delineated by Stantec in 2020 in accordance with USACE Wetland Delineation Manual (1997) for subsequent projects. Any other data sources by Eversource Energy, State of New Hampshire or STANTec are used.
 Basemap: 2015 aerial imagery provided by AHOGRANT

Whitefield to Northumberland Rebuild Project (D142)
Alteration of Terrain Surface Water and Groundwater Overlay Plans
 Northumberland, New Hampshire
 Map Sheet 19 of 27

EVERSOURCE ENERGY

Stantec

May 26, 2021



INDEX MAP

Northumberland

18	19	20	21	22
----	----	----	----	----

This mapping product has been created to comply with applicable regulatory requirements to obtain certain regulatory approvals and, as such, there is no reliance on the information contained herein for any other purposes.

Legend

<ul style="list-style-type: none"> Local Potential Contamination Sources (none) Wellhead Protection Areas Class A Surface Waters RSA 485A9 (none) Coastal and Great Bay Region Communities (none) Designated Rivers Quarter Mile Buffer (none) Groundwater Classification Areas GAT (none) Groundwater Classification Areas GAD (none) Groundwater Classification Areas GAA (none) All Lakes with a Quarter Mile Buffer (none) Class A Surface Waters RSA 485A9 Lakes Only Quarter Mile Buffer (none) Outstanding Resource Water Watersheds (none) 	<ul style="list-style-type: none"> Surface Waters with impairments 2016 with Quarter Mile Buffer Water Supply Intake Protection Areas (none) Watersheds with Chloride Impairments 2016 (none) Proposed Structure Existing Structure Overhead five source 115kV Line Overhead five source 34.5kV Line Proposed Alternative Access Existing Access Existing Right-of-Way (ROW) Suggested Erosion and Sediment Control (TYP) 	<ul style="list-style-type: none"> Not Disturbance Area - New Access Not Disturbance Area - Pad Temporary Upland Construction Matting Temporary Wetland Construction Matting Eversource Fee-Owned Property State-Owned Property Parcel Boundary Municipal Boundary US National Forest Lands Fence Curved 	<ul style="list-style-type: none"> Confined Vernal Pool Point Delineated Ephemeral Stream Delineated Intermittent Stream Delineated Perennial Stream Delineated Wetland Boundary Field Delineated Wetland Confined Vernal Pools Ephemeral Open Water FEMA 100-Year Flood Zone Floodway Contours Contours Contours
---	--	---	--

Scale: 0 to 200 Feet

North Arrow

CRS: NAD 83 StatePlane New Hampshire ZIPS 2005 Feet

Notes: Wetland boundaries delineated by Stantec in 2020 in accordance with USACE Wetland Delineation Manual (1987) as subsequent to 1987, and other data provided by Eversource Energy, State National Grid (SNT) database. Basemap: 2015 aerial imagery provided by NHGRANT.

Whitefield to Northumberland Rebuild Project (D142)

Alteration of Terrain Surface Water and Groundwater Overlay Plans

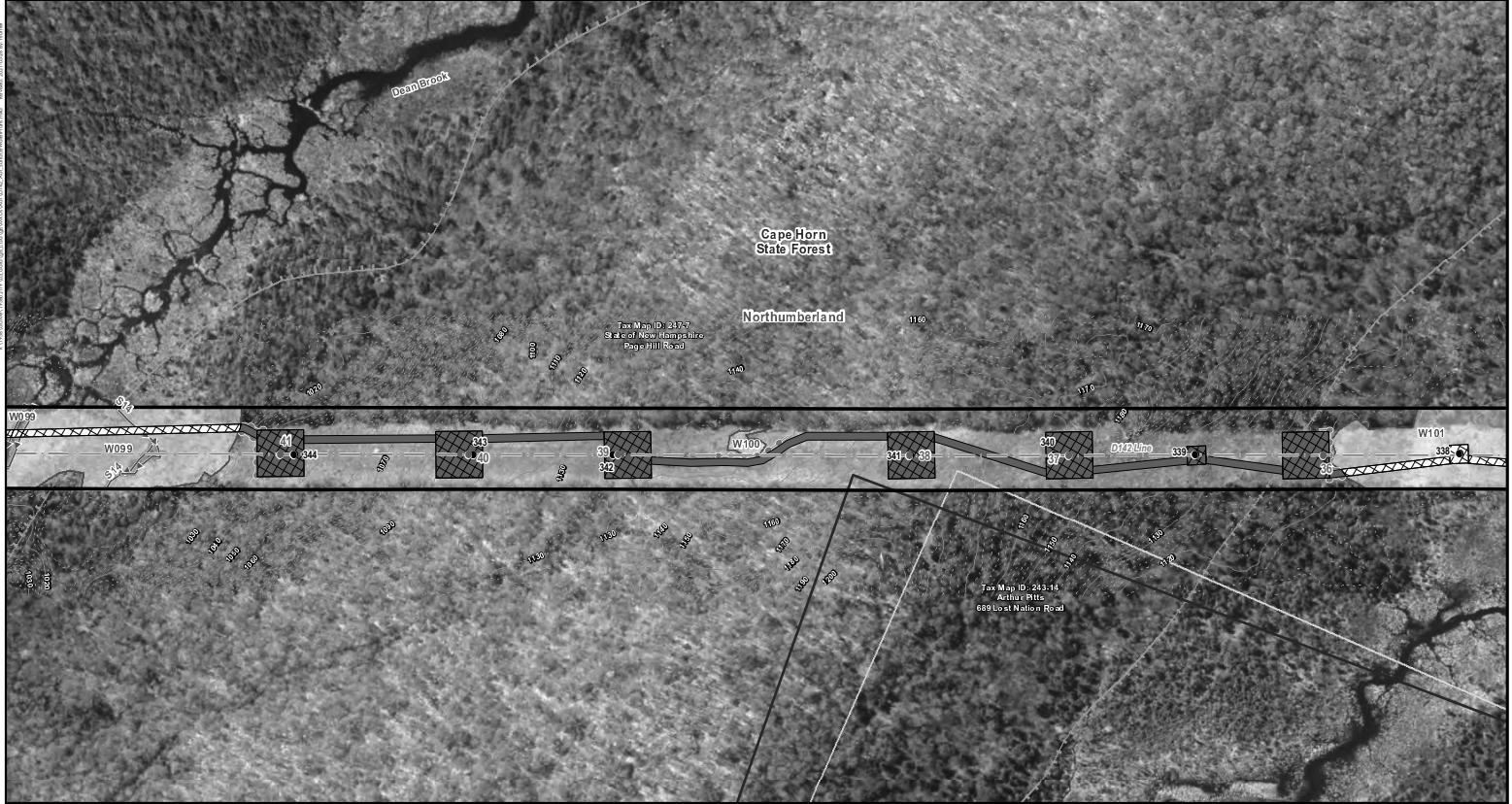
Northumberland, New Hampshire

Map Sheet 20 of 27

EVERSOURCE ENERGY

Stantec

May 26, 2021



INDEX MAP

Northumberland

19	20	21	22	23
----	----	----	----	----

This mapping product has been created to comply with applicable requirements to obtain certain rights in any jurisdiction. It does not constitute an offer of insurance or any other financial product. Please refer to the information contained therein for any other purposes.

Legend

<ul style="list-style-type: none"> Local Potential Contamination Sources (none) Wellhead Protection Areas Class A Surface Waters RSA 485A9 (none) Coastal and Great Bay Region Communities (none) Designated Rivers Quartermile Buffer (none) Groundwater Classification Areas GAT (none) Groundwater Classification Areas GAB (none) Groundwater Classification Areas GAA (none) All Lakes with a Quartermile Buffer (none) Class A Surface Waters RSA 485A9 Lakes Only Quartermile Buffer (none) Outstanding Resource Water Watersheds (none) 	<ul style="list-style-type: none"> Surface Waters with impairments 2016 with Quartermile Buffer Water Supply Intake Protection Areas (none) Watersheds with Chloride impairments 2016 (none) Proposed Structure Existing Structure Overhead Five source 115kV Line Overhead Five source 34.5kV Line Proposed Alternative Access Existing Access Existing Right-of-Way (ROW) Suggested Erosion and Sediment Control (TYP) 	<ul style="list-style-type: none"> AdT Disturbance Area - New Access AdT Disturbance Area - Pad Temporary Island Construction Matting Temporary Wetland Construction Matting Eversource Fee-Owned Property State-Owned Property Parcel Boundary Municipal Boundary US National Forest Lands X-Y Fence Curved 	<ul style="list-style-type: none"> Confined Vernal Pool Point Delineated Ephemeral Stream Delineated Intermittent Stream Delineated Perennial Stream Delineated Wetland Boundary Field Delineated Wetland Confined Vernal Pool Eject Open Water FEMA 100-Year Flood Zone Floodway 2 Contours 10' Contours
--	---	---	---

Scale: 0 to 200 Feet

North Arrow

CRS: NAD 83 StatePlane New Hampshire ZIPS 2005 Feet

NOTE: Wetland boundaries delineated by Stantec in 2020 in accordance with USACE Wetland Delineation Manual (1987) and subsequent practices, and water data provided by Eversource Energy. Base National Grid Map 2015 aerial imagery provided by AHOGRANT.

Whitefield to Northumberland Rebuild Project (D142)
Alteration of Terrain Surface Water and Groundwater Overlay Plans

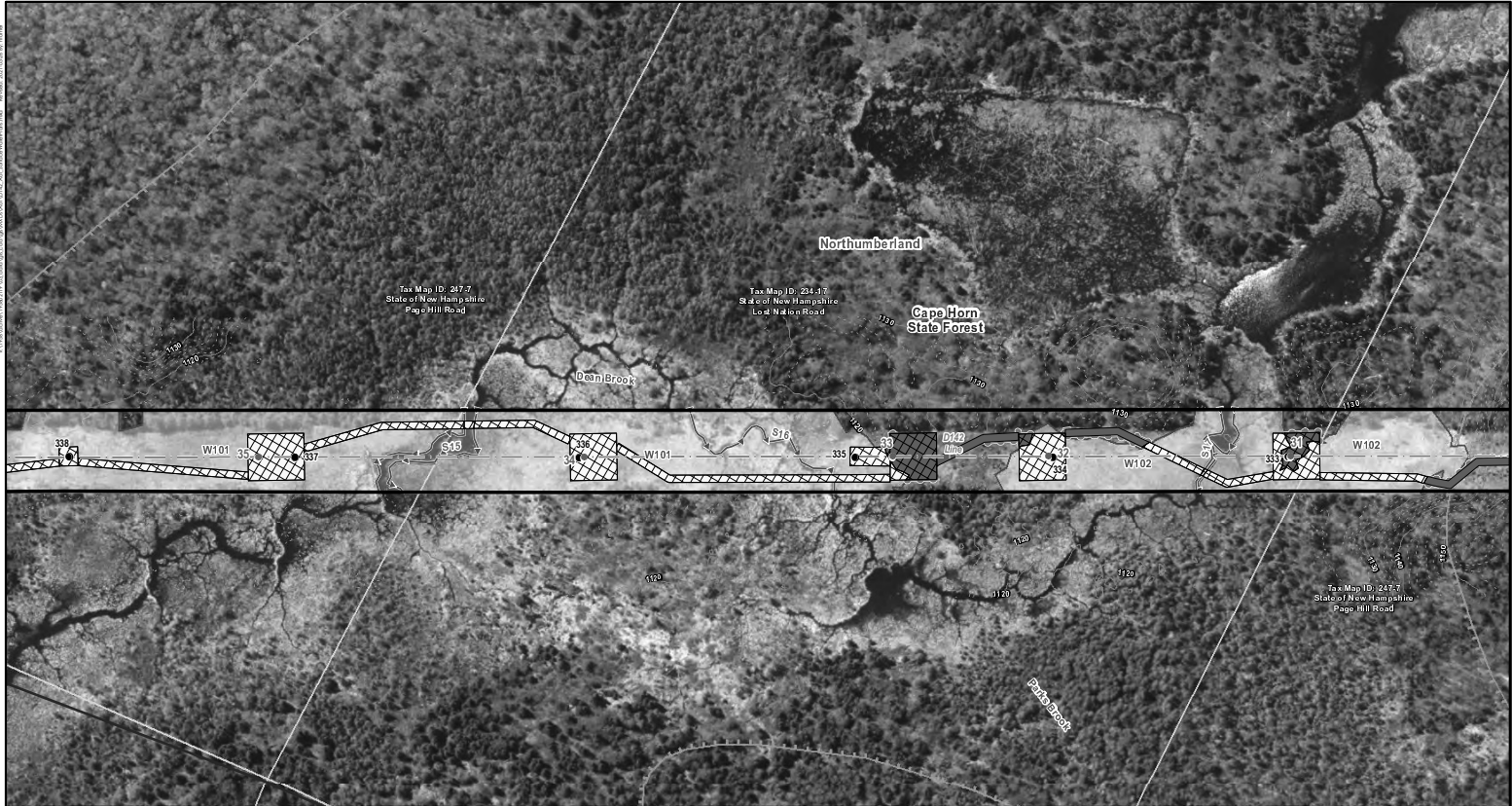
Northumberland, New Hampshire

Map Sheet 21 of 27

Eversource Energy

Stantec

May 26, 2021



INDEX MAP

Northumberland

20	21	22	23	24
----	----	----	----	----

This mapping product has been created to comply with applicable regulatory requirements to obtain certain rights to any proposed work. It does not constitute an offer of any engineering or other professional services. The information contained herein is for informational purposes only.

Legend

<ul style="list-style-type: none"> Local Potential Contamination Sources (none) Wellhead Protection Areas Class A Surface Waters RSA 485A9 (none) Coastal and Great Bay Region Communities (none) Designated Rivers Quarter Mile Buffer (none) Groundwater Classification Areas GAT (none) Groundwater Classification Areas GAA (none) Groundwater Classification Areas GAA (none) All Lakes with a Quarter Mile Buffer (none) Class A Surface Waters RSA 485A9 Lakes Only Quarter Mile Buffer (none) Outstanding Resource Water Watersheds (none) 	<ul style="list-style-type: none"> Surface Waters with impairments 2016 with Quarter Mile Buffer Water Supply Intake Protection Areas (none) Watersheds with Chloride impairments 2016 (none) Proposed Structure Existing Structure Overhead Five source 115kV Line Overhead Five source 34.5kV Line Proposed Alternative Access Existing Access Existing Right-of-Way (ROW) Suggested Erosion and Sediment Control (TYP) 	<ul style="list-style-type: none"> AdT Disturbance Area - New Access AdT Disturbance Area - Pad Temporary Upland Construction Matting Temporary Wetland Construction Matting Eversource Fee-Owned Property State-Owned Property Parcel Boundary Municipal Boundary US National Forest Lands Fence Curved 	<ul style="list-style-type: none"> Confined Vernal Pool Point Delineated Ephemeral Stream Delineated Intermittent Stream Delineated Perennial Stream Delineated Wetland Boundary Field Delineated Wetland Confined Vernal Pool Eminent Open Water FEMA 100-Year Flood Zone Floodway Contours 10' Contours
---	--	---	---

Scale: 0 to 200 Feet
1 inch = 200 feet (approximate 1:197)

802.00000
CRITICAL POINT SYSTEM: NAD 83 StatePlane New Hampshire NIPSD 2005 Feet
 Note: Wetland boundaries delineated by Stantec in 2020 in accordance with USACE Wetland Delineation Manual (1987) for subsequent projects. Any future data updates by Eversource Energy, State Natural and Cultural Resources.

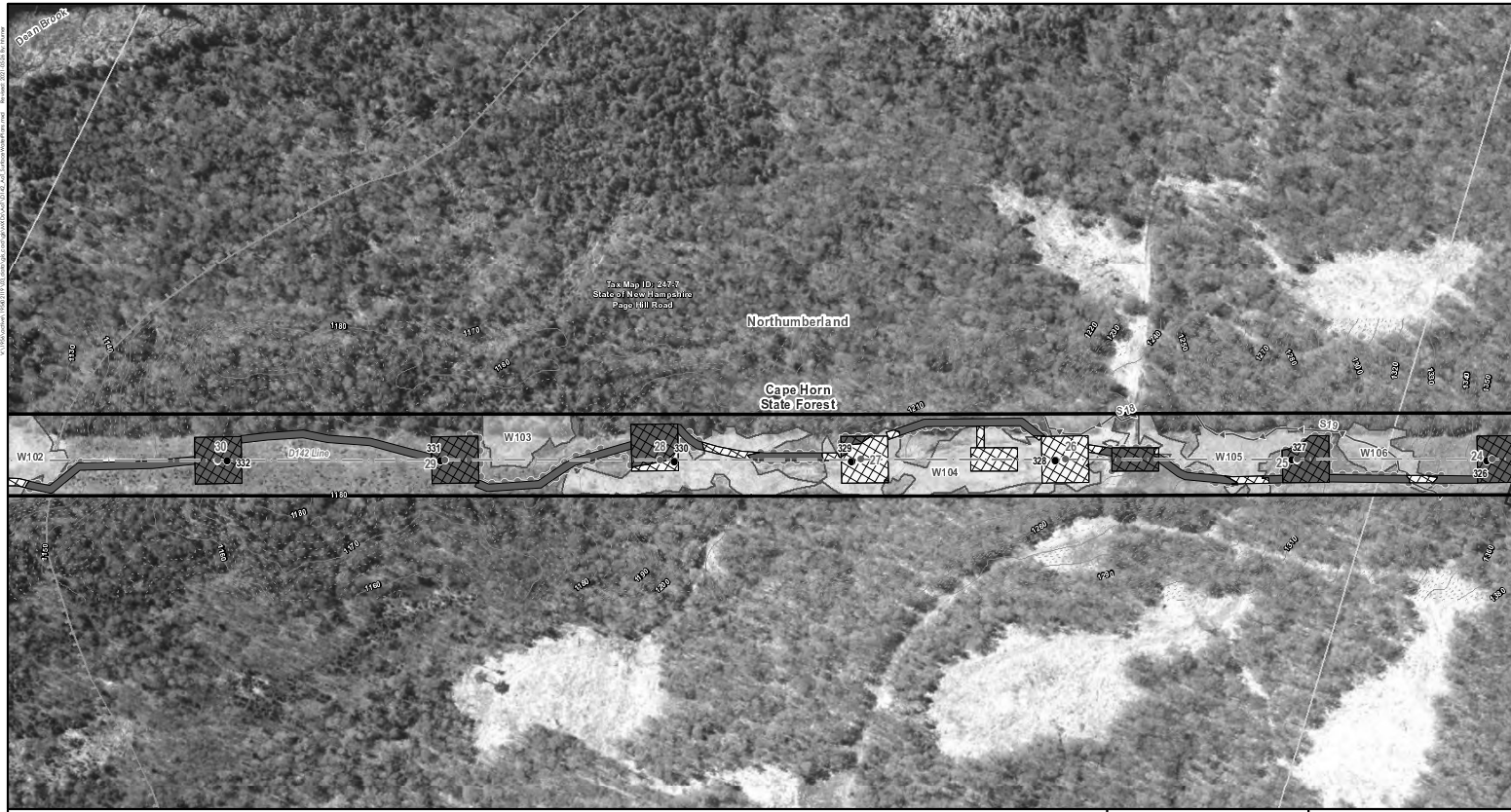
Blankmap 2015 aerial imagery provided by AHOGRANT

Whitefield to Northumberland Rebuild Project (D142)
Alteration of Terrain Surface Water and Groundwater Overlay Plans
 Northumberland, New Hampshire
 Map Sheet 22 of 27

EVERSOURCE ENERGY

Stantec

May 26, 2021



INDEX MAP

Northumberland

21	22	23	24	25
----	----	----	----	----

This mapping product has been created to comply with applicable requirements to obtain certain rights of way approval and, as such, there is no reliance on the information contained herein for any other purposes.

Legend

<ul style="list-style-type: none"> Local Potential Contamination Sources (none) Wellhead Protection Areas Class A Surface Waters RSA 485A9 (none) Coastal and Great Bay Region Communities (none) Designated Rivers Quarter Mile Buffer (none) Groundwater Classification Areas GAT (none) Groundwater Classification Areas GAA (none) Groundwater Classification Areas GAA (none) All Lakes with a Quarter Mile Buffer (none) Class A Surface Waters RSA 485A9 Lakes Only Quarter Mile Buffer (none) Outstanding Resource Water Watersheds (none) 	<ul style="list-style-type: none"> Surface Waters with impairments 2016 with Quarter Mile Buffer Water Supply Intake Protection Areas (none) Watersheds with Chloride impairments 2016 (none) Proposed Structure Existing Structure Overhead five source 115kV Line Overhead five source 34.5kV Line Proposed Alternative Access Existing Access Existing Right-of-Way (ROW) Suggested Erosion and Sediment Control (TYP) 	<ul style="list-style-type: none"> Not Disturbance Area - New Access Not Disturbance Area - Pad Temporary Upland Construction Matting Temporary Wetland Construction Matting Eversource Fee-Owned Property State-Owned Property Parcel Boundary Municipal Boundary US National Forest Lands Fence Culvert 	<ul style="list-style-type: none"> Contracted Vertical Pool Point Delineated Ephemeral Stream Delineated Intermittent Stream Delineated Perennial Stream Delineated Wetland Boundary Field Delineated Wetland Contracted Vertical Pool Eminent Open Water FEMA 100-Year Flood Zone Floodway 2' Contours 10' Contours
---	--	--	--

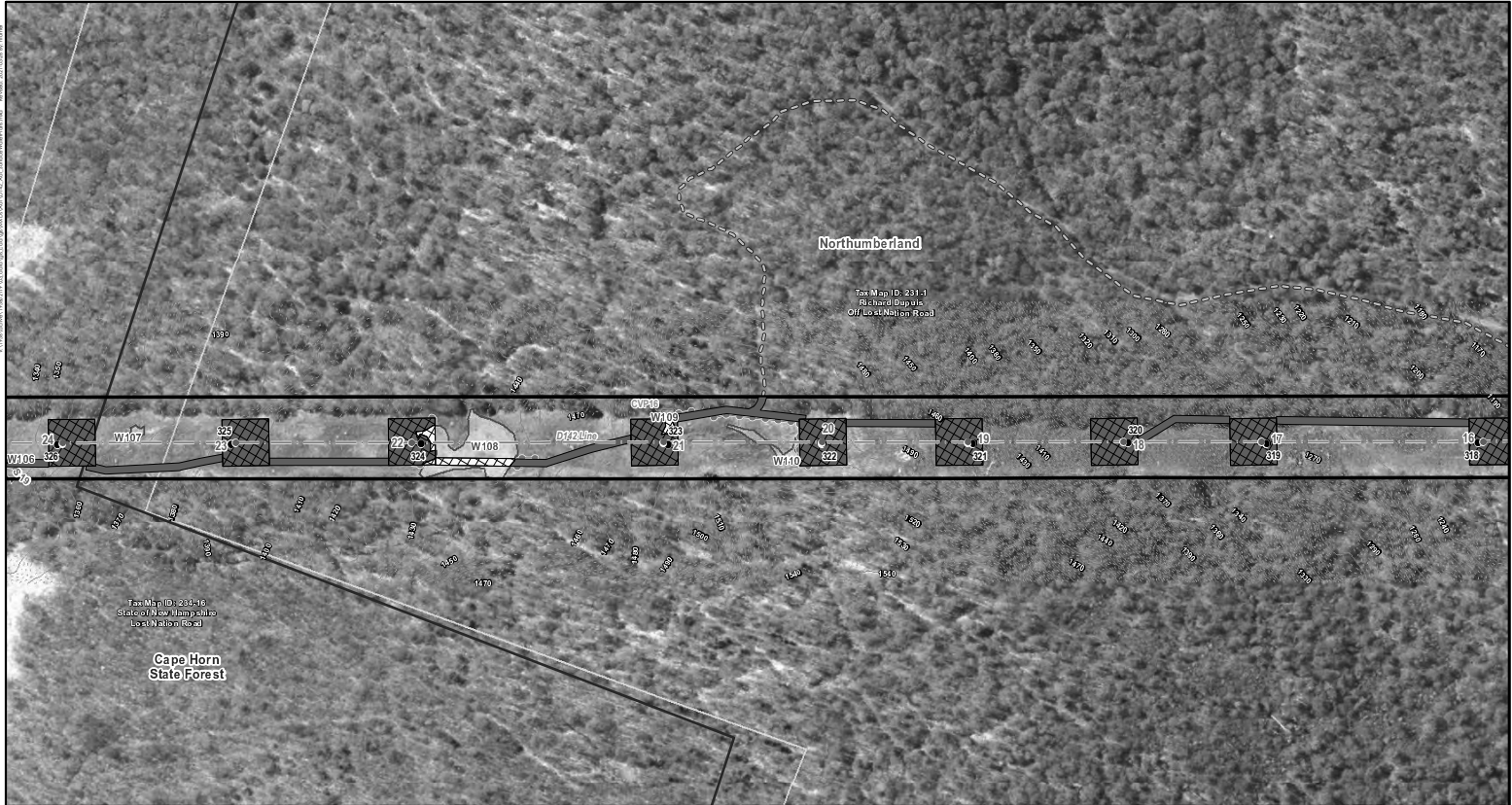
Scale: 0 to 200 Feet
Graphic only. System: NAD 83 StatePlane New Hampshire ZIPS 2005 Feet
 Date: 11/27/2020
 This map was created by Stantec in 2020 in accordance with USACE Wetland Delineation Manual (1987) as amended (1989), and other data provided by Eversource Energy, Base National Grid (NAD 83) StatePlane New Hampshire ZIPS 2005 Feet
 Base Map: 2015 aerial imagery provided by AIRGRANT.

Whitefield to Northumberland Rebuild Project (D142)
Alteration of Terrain Surface Water and Groundwater Overlay Plans
 Northumberland, New Hampshire
 Map Sheet 23 of 27

EVERSOURCE ENERGY

Stantec

May 26, 2021



INDEX MAP

Northumberland

22	23	24	25	26
----	----	----	----	----

This mapping product has been created to comply with applicable regulatory requirements to obtain certain rights to any applicable parcels. It does not constitute an offer of any financial product or service, and no reliance should be placed on the information contained herein for any other purposes.

Legend

- Local Potential Contamination Sources (none)
- Wellhead Protection Areas
- Class A Surface Waters RSA 485A9 (none)
- Coastal and Great Bay Region Communities (none)
- Designated Rivers Quarter Mile Buffer (none)
- Groundwater Classification Areas GAT (none)
- Groundwater Classification Areas GAD (none)
- Groundwater Classification Areas GAA (none)
- All Lakes with a Quarter Mile Buffer (none)
- Class A Surface Waters RSA 485A9 Lakes Only Quarter Mile Buffer (none)
- Outstanding Resource Water Watersheds (none)
- Surface Waters with impairments 2016 with Quarter Mile Buffer
- Water Supply Intake Protection Areas (none)
- Watersheds with Chloride impairments 2016 (none)
- Proposed Structure
- Existing Structure
- Overhead Five source 115kV Line
- Overhead Five source 34.5kV Line
- Proposed Alternative Access
- Existing Access
- Existing Right-of-Way (ROW)
- Suggested Erosion and Sediment Control (TYP)
- Not Disturbance Area - New Access
- Not Disturbance Area - Pad
- Temporary Upland Construction Matting
- Temporary Wetland Construction Matting
- Eversource Fee-Owned Property
- State-Owned Property
- Parcel Boundary
- Municipal Boundary
- US National Forest Lands
- 1/4" Contour
- Confined Vernal Pool Point
- Delineated Ephemeral Stream
- Delineated Intermittent Stream
- Delineated Perennial Stream
- Delineated Wetland Boundary
- Field Delineated Wetland
- Confined Vernal Pools Eminent
- Open Water
- FEMA 100-Year Flood Zone
- Floodway
- Contours
- 10' Contours

Scale: 0 to 200 Feet
1 inch = 200 feet (approximate 1:1250)

802.0086c
Ground Water System: NAD 83 State Plane New Hampshire NIP S 2005 Feet
 Note: Wetland boundaries delineated by Stantec in 2020 in accordance with USACE Wetland Delineation Manual (1987) and subsequent updates, and other data provided by Eversource Energy, State National Wetland Inventory Database, and other sources.

Whitefield to Northumberland Rebuild Project (D142)
 Alteration of Terrain Surface Water and Groundwater Overlay Plans

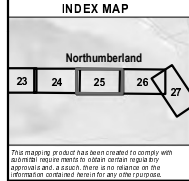
Northumberland, New Hampshire

Map Sheet 24 of 27

EVERSOURCE ENERGY

Stantec

May 26, 2021



Legend

<ul style="list-style-type: none"> Local Potential Contamination Sources (none) Wellhead Protection Areas Class A Surface Waters RSA 485A9 (none) Coastal and Great Bay Region Communities (none) Designated Rivers Quarter Mile Buffer (none) Groundwater Classification Areas GAT (none) Groundwater Classification Areas GAA (none) Groundwater Classification Areas GAA (none) All Lakes with a Quarter Mile Buffer (none) Class A Surface Waters RSA 485A9 Lakes Only Quarter Mile Buffer (none) Outstanding Resource Water Watersheds (none) 	<ul style="list-style-type: none"> Surface Waters with impairments 2016 with Quarter Mile Buffer Water Supply Intake Protection Areas (none) Watersheds with Chloride impairments 2016 (none) Proposed Structure Existing Structure Overhead Five source 115kV Line Overhead Five source 34.5kV Line Proposed Alternative Access Existing Access Existing Right-of-Way (ROW) Suggested Erosion and Sediment Control (TYP) 	<ul style="list-style-type: none"> AdT Disturbance Area - New Access AdT Disturbance Area - Pad Temporary Upland Construction Matting Temporary Wetland Construction Matting Eversource Fee-Owned Property State-Owned Property Parcel Boundary Municipal Boundary US National Forest Lands Fence Culvert 	<ul style="list-style-type: none"> Confined Vernal Pool Point Delineated Ephemeral Stream Delineated Intermittent Stream Delineated Perennial Stream Delineated Wetland Boundary Field Delineated Wetland Confined Vernal Pools Eminent Open Water FEMA 100-Year Flood Zone Floodway Contours 10' Contours
---	--	--	--

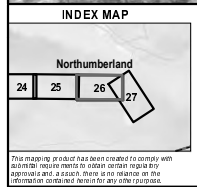
Scale: 0 to 200 Feet
 1 inch = 200 feet (Representative Scale)
 NAD 83 State Plane New Hampshire ZIPS 2005 Feet
 Note: Wetland boundaries delineated by Stantec in 2020 in accordance with USACE Wetland Delineation Manual (1987) as supplemented by other data sources provided by Eversource Energy. Base National Wetland Inventory (NWI) boundaries.
 Basemap: 2015 aerial imagery provided by AHOGRANT.

Whitefield to Northumberland Rebuild Project (D142)
Alteration of Terrain Surface Water and Groundwater Overlay Plans
 Northumberland, New Hampshire
 Map Sheet 25 of 27

EVERSOURCE ENERGY

May 26, 2021

C:\Users\jphillips\OneDrive\Documents\Projects\Whitefield to Northumberland\Map_Sheet_25_of_27.mxd - 5/26/2021 10:56:51 AM



Legend

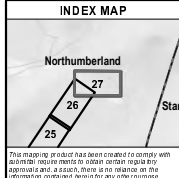
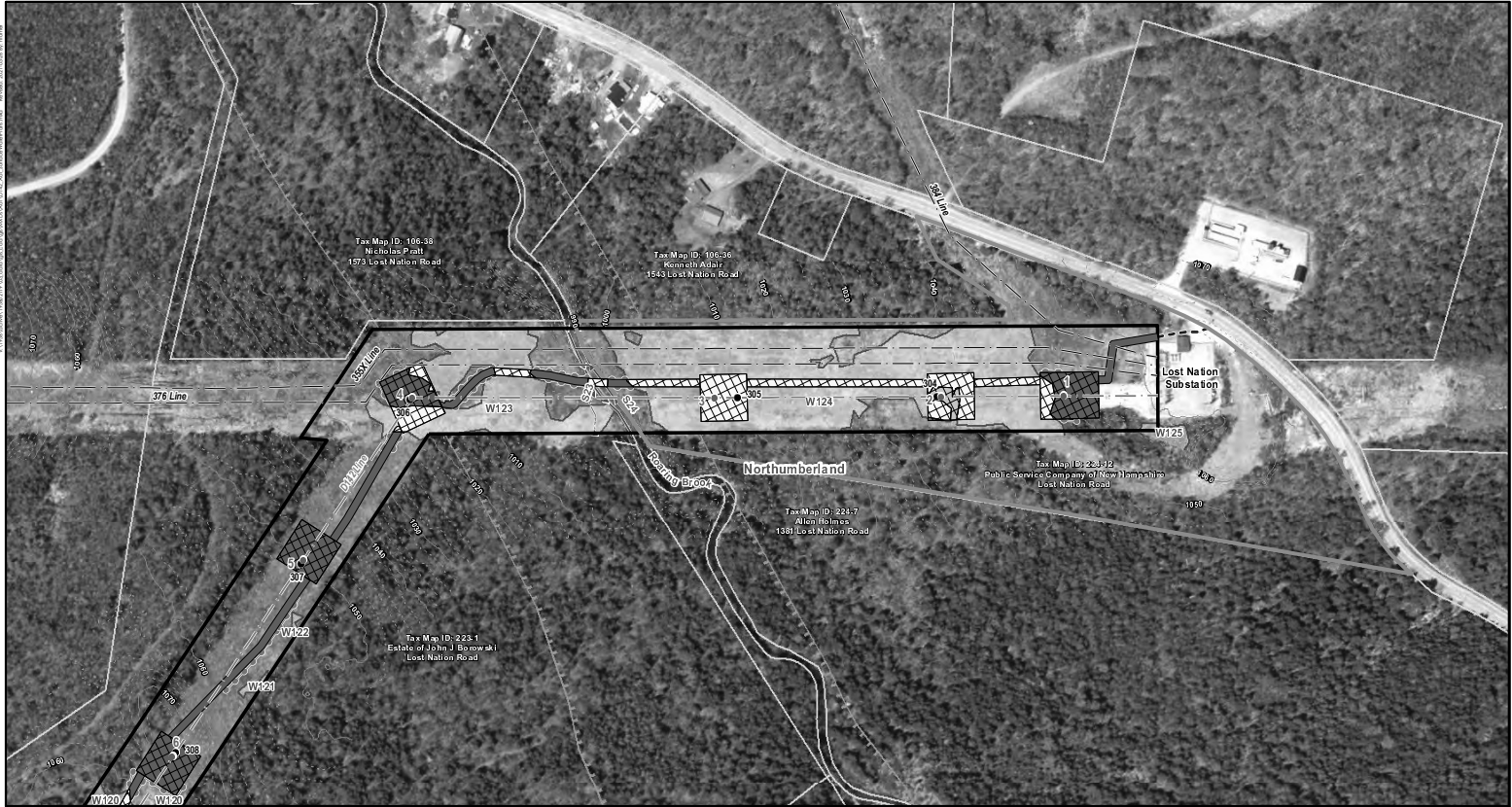
<ul style="list-style-type: none"> ▲ Local Potential Contamination Sources (none) Wellhead Protection Areas (none) Class A Surface Waters RSA 485A9 (none) Coastal and Great Bay Region Communities (none) Designated Rivers Quarter Mile Buffer (none) Groundwater Classification Areas GAT (none) Groundwater Classification Areas GAG (none) Groundwater Classification Areas GAA (none) All Lakes with a Quarter Mile Buffer (none) Class A Surface Waters RSA 485A9 Lakes Only Quarter Mile Buffer (none) Outstanding Resource Water Watersheds (none) 	<ul style="list-style-type: none"> Surface Waters with impairments 2016 with Quarter Mile Buffer Water Supply Intake Protection Areas (none) Watersheds with Chloride impairments 2018 (none) Proposed Structure Existing Structure Overhead five source 115kV Line Overhead five source 34.5kV Line Proposed Alternative Access Existing Access Existing Right-of-Way (ROW) Suggested Erosion and Sediment Control (TYP) 	<ul style="list-style-type: none"> Not Disturbance Area - New Access Not Disturbance Area - Pad Temporary Upland Construction Matting Temporary Wetland Construction Matting Eversource Fee-Owned Property State-Owned Property Parcel Boundary Municipal Boundary US National Forest Lands Fence Curvet 	<ul style="list-style-type: none"> Confined Vernal Pool Point Delineated Ephemeral Stream Delineated Intermittent Stream Delineated Perennial Stream Delineated Wetland Boundary Field Delineated Wetland Confined Vernal Pool Eminent Open Water FEMA 100-Year Flood Zone Floodway Contours 10' Contours
--	--	---	---

Whitefield to Northumberland Rebuild Project (D142)
Alteration of Terrain Surface Water and Groundwater Overlay Plans
 Northumberland, New Hampshire
 Map Sheet 26 of 27

EVERSOURCE ENERGY

Stantec

May 26, 2021



Legend

<ul style="list-style-type: none"> ▲ Local Potential Contamination Sources (none) ▨ Wetland Protection Areas ▨ Class A Surface Waters RSA 485A9 (none) ▨ Coastal and Great Bay Region Communities (none) ▨ Designated Rivers Quartermile Buffer (none) ▨ Groundwater Classification Areas GAT (none) ▨ Groundwater Classification Areas GAA (none) ▨ All Lakes with a Quarter Mile Buffer (none) ▨ Class A Surface Waters RSA 485A9 Lakes Only Quartermile Buffer (none) ▨ Outstanding Resource Water Watersheds (none) 	<ul style="list-style-type: none"> ▨ Surface Waters with impairments 2016 with Quarter Mile Buffer ▨ Water Supply Intake Protection Areas (none) ▨ Watersheds with Chloride impairments 2016 (none) ● Proposed Structure ● Existing Structure — Overhead Five source 115kV Line — Overhead Five source 34.5kV Line ○ Proposed Alternative Access — Existing Access — Existing Right-of-Way (ROW) ● Suggested Erosion and Sediment Control (TYP) 	<ul style="list-style-type: none"> ▨ AOT Disturbance Area - New Access ▨ AOT Disturbance Area - Pad ▨ Temporary Inland Construction Matting ▨ Temporary Wetland Construction Matting ▨ Eversource Fee-Owned Property ▨ State-Owned Property ▨ Parcel Boundary ▨ Municipal Boundary ▨ US National Forest Lands — X-Y Fence ● Curved 	<ul style="list-style-type: none"> ● Confined Vernal Pool Point — Delineated Ephemeral Stream — Delineated Intermittent Stream — Delineated Perennial Stream — Delineated Wetland Boundary — Field Delineated Wetland ● Confined Vernal Pool Point ● Open Water ▨ FEMA 100-Year Flood Zone — Floodway — 2 Contours — 10' Contours
---	--	---	---

Scale: 0 to 200 Feet
 North Arrow
 802.000000
 Contour System: NAD 83 StatePlane New Hampshire ZIPS 2005 Feet
 Note: Wetland boundaries delineated by Stantec in 2020 in accordance with USACE Wetland Delineation Manual (1987) as amended practices, and other data provided by Eversource Energy, Base National Grid (NAD 83) datasets.
 Basemap: 2015 aerial imagery provided by AIRGRANT.

Whitefield to Northumberland Rebuild Project (D142)
Alteration of Terrain Surface Water and Groundwater Overlay Plans
 Northumberland, New Hampshire
 Map Sheet 27 of 27

EVERSOURCE ENERGY

Stantec

May 26, 2021



SEEKING REPORTS OF RARE TURTLES



The NH Fish & Game Department is collecting observations of four turtle species:

**Blanding's turtle (state endangered)**

- Large, dark/black domed shell with lighter speckles
- Distinct yellow throat/chin
- Aquatic but often moves on land

**Wood turtle (special concern)**

- Sculpted, pyramidal brownish shell
- Orange around neck and limbs
- River/stream turtle spending many months on land

Wood turtles likely to occur within the D142 Project area.

**Eastern box turtle (state endangered)**

- Small terrestrial turtle with highly domed shell
- Irregular yellow or orange markings over brown/black base

**Spotted turtle (state threatened)**

- Small, mostly aquatic with black or dark brown with yellow spots.
- Fairly flat shell compared to Blanding's turtle

Follow avoidance and minimization techniques described on the approved project plans when working in locations where wood turtles may potentially occur.

Report sightings to RAARP@wildlife.nh.gov or 603-271-2461 Please report promptly, noting specific location and date – Photographs strongly encouraged

41700 (Rev. 12/2018) - Lynx in Winter Habitats - Lynx in Winter Habitats - Lynx in Winter Habitats - Lynx in Winter Habitats - Lynx in Winter Habitats

RARE SPECIES ALERT

CANADA LYNX



Photos courtesy of USFWS

IDENTIFYING FEATURES:

- Medium to large cat, 15–30 lbs
- Grizzled gray fur
- Proportionately large paws and hind legs
- Ears with long, black tufts
- Tail short and black-tipped
- Most similar to bobcat

IF OBSERVED:

- Stop work and allow animal to pass
- Document date and time, and take photograph, if possible
- Maintain 5 mph on access roads
- Notify on-site Environmental Monitor

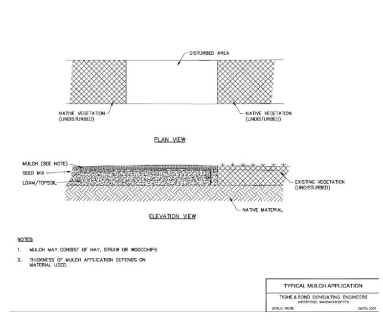
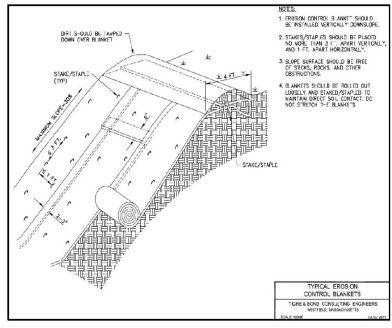
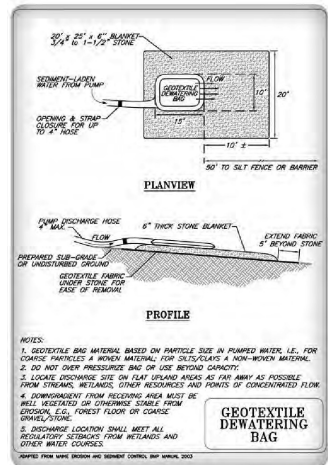
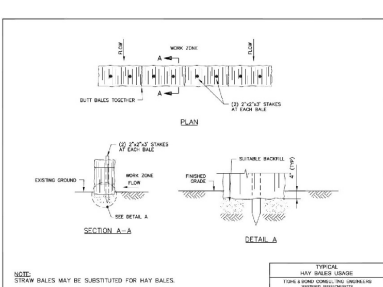
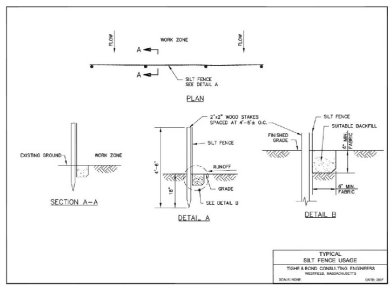
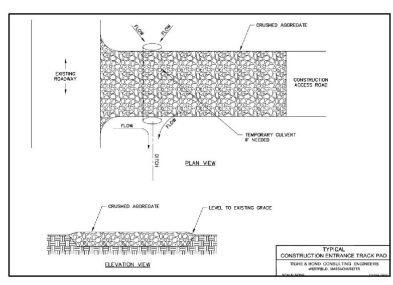
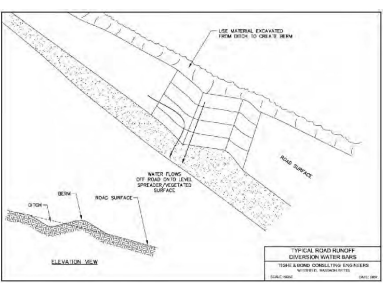
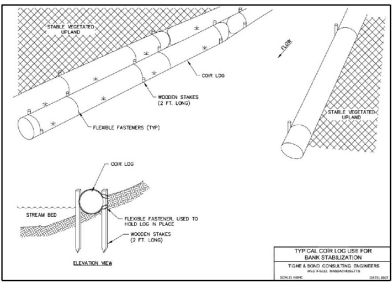


Whitefield to Northumberland
Rebuild Project (D142)
Alteration of Terrain
Whitefield, Lancaster, and
Northumberland, New Hampshire
Notes
Page 2 of 3



May 26, 2021

11/20/2016 10:58 AM C:\PROJECTS\2016\2016-0001\DWG\2016-0001-D142-01.dwg (Sheet 1 of 2)



**Whitefield to Northumberland
Rebuild Project (D142)**

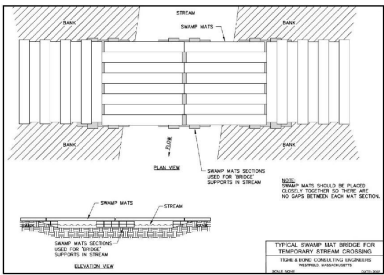
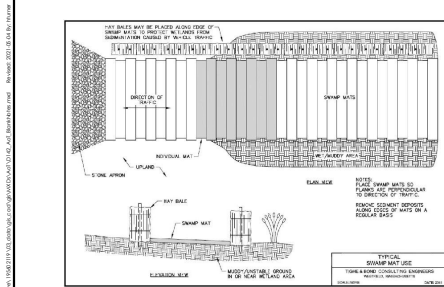
Alteration of Terrain
Whitefield, Lancaster, and
Northumberland, New Hampshire

BMP Details
Page 1 of 2

EVERSOURCE ENERGY

Stantec

May 26, 2021



Whitefield to Northumberland
Rebuild Project (D142)
Alteration of Terrain
Whitefield, Lancaster, and
Northumberland, New Hampshire
BMP Details
Page 2 of 2

EVERSOURCE
ENERGY

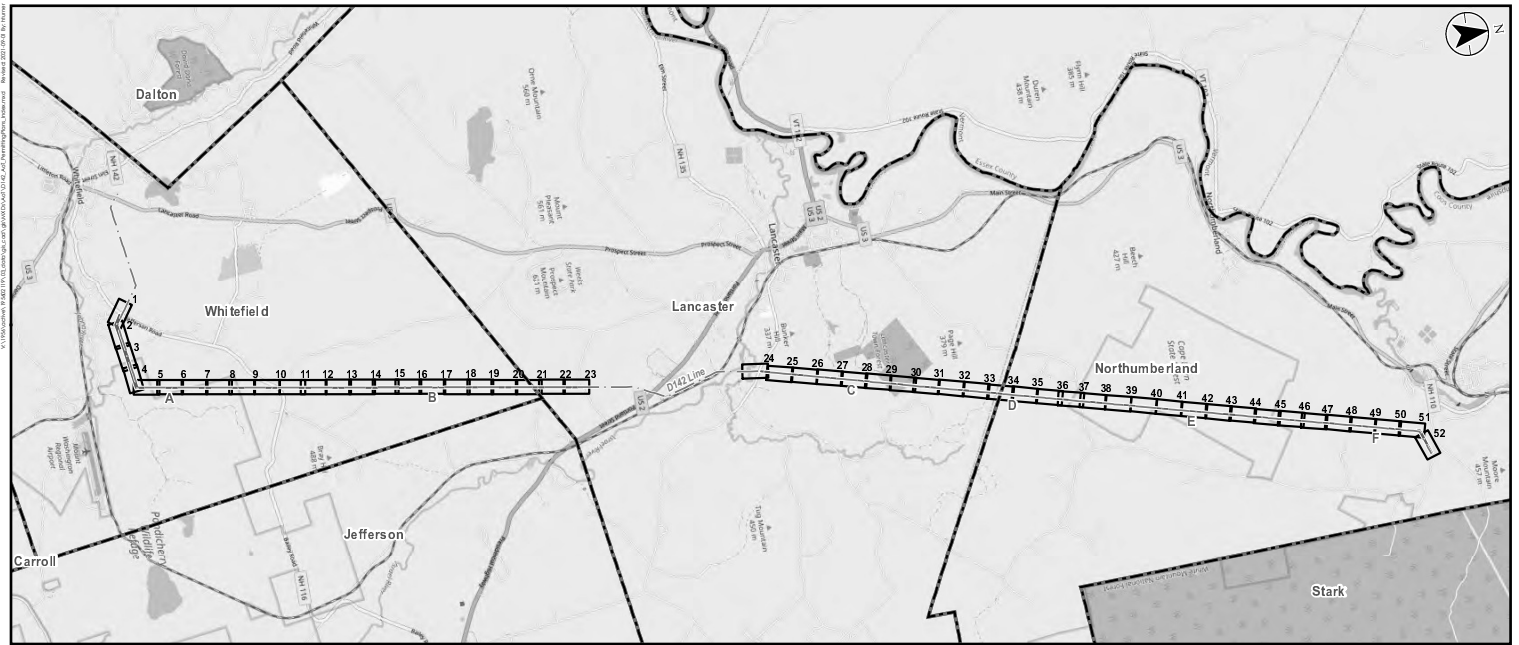
 **Stantec**

May 26, 2021

Whitefield to Northumberland Rebuild Project (D142)

Alteration of Terrain Permitting Plans
 Whitefield, Lancaster, and Northumberland,
 New Hampshire

Date: September 01, 2021



Legend

- Overhead Eversource Line
- Alteration of Terrain (AoT) Area
- Map Sheet
- ▭ Municipal Boundary

INDEX OF FIGURES

- Title Sheet
- 1 - 52 Map Sheets
- Notes
- Details

PREPARED FOR
EVERSOURCE
 ENERGY

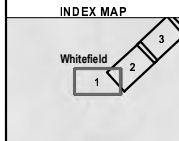
PREPARED BY
Stantec



Area A
Between Structures 153-180
Map Sheets 1 to 10

Disturbance Type	Impact (s.f.)	Temporary Matting	Impact (s.f.)
New Access*	76,950	Access	79,380
Gravel Work/Pull Pad	223,640	Work/Pull Pad	90,909
Total Disturbed Area	300,590		

*12' disturbance area for gravel access



- Legend**
- Proposed Structure
 - Existing Structure
 - Overhead Eversource 115kV Line
 - Overhead Eversource 35kV Line
 - Existing 50-foot/Way (ROW)
 - Proposed Alternative Access
 - Existing Access
 - Suggested Erosion and Sediment Control (TYP)
 - 2' Contours
 - 10' Contours
 - AdT Disturbance Area- New Access
 - AdT Disturbance Area- Pad
 - Temporary Upland Construction Matting
 - Temporary Wetland Construction Matting
 - Eversource Fee-Owned Property
 - State-Owned Property
 - Parcel Boundary
 - Municipal Boundary
 - US National Forest Lands
 - Confirmed Vernal Pool Point
 - Delimited Ephemeral Stream
 - Delimited Intermittent Stream
 - Delimited Perennial Stream
 - Delimited Wetland Boundary Outline
 - Field Delimited Wetland
 - Confirmed Vernal Pool Outlet
 - Open Water
 - EMA 100-Year Flood Zone
 - Wood Turtle Protection Area
 - Wetland Rookery Protection Area
 - Culvert
 - Fence

Map Notes:
 Coordinates System: NAD 1983 StatePlane NewHampshire FIPS 3100 Feet
 Notes: All work shown on this map was prepared by Stantec in 2020 in accordance with 10-ACE Wetland Determination Manual (10-01) or other relevant version.
 Data Sources: Structure, centerline, ROW, and abutment data provided by Eversource Energy. All other data from ANNOBANT Database. Groundwork 2018 aerial imagery provided by ANNOBANT.

This mapping product has been created to comply with regulatory requirements and to obtain certain regulatory approvals and, as such, may be subject to change in the information contained hereafter for other purposes.

**Whitefield to Northumberland
 Rebuild Project (D142)
 Alteration of Terrain
 Permitting Plans**

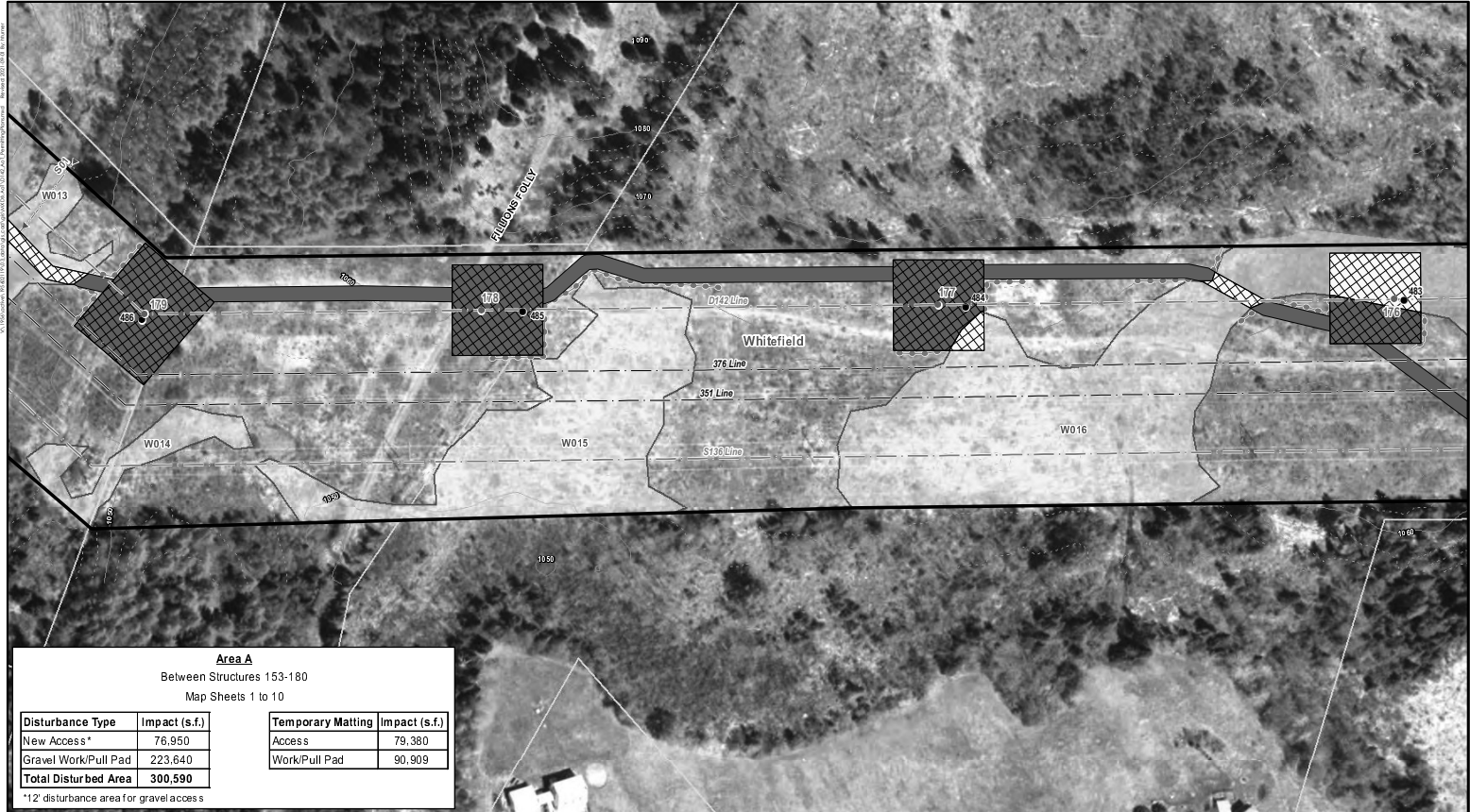
Whitefield,
 New Hampshire

Map Sheet 1 of 52

EVERSOURCE ENERGY

Stantec

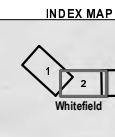
September 1, 2021



Area A
Between Structures 153-180
Map Sheets 1 to 10

Disturbance Type	Impact (s.f.)	Temporary Matting	Impact (s.f.)
New Access *	76,950	Access	79,380
Gravel Work/Pull Pad	223,640	Work/Pull Pad	90,909
Total Disturbed Area	300,590		

*12' disturbance area for gravel access



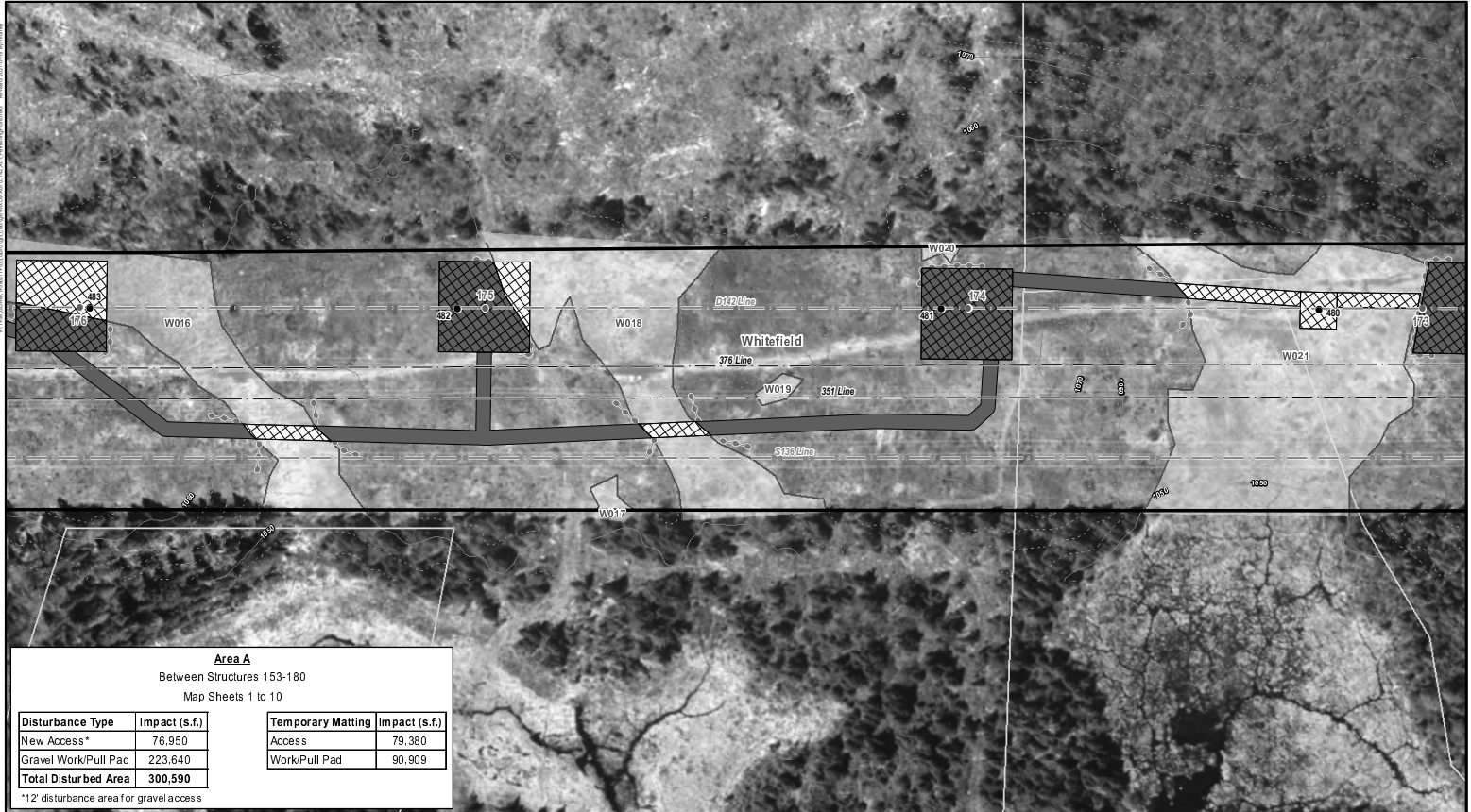
- Legend**
- Proposed Structure
 - Existing Structure
 - Overhead Eversource 115kV Line
 - Overhead Eversource 35kV Line
 - Existing 50-foot/way (ROW)
 - Proposed Alternative Access
 - Existing Access
 - Suggested Erosion and Sediment Control (TYP)
 - 10' Contours
 - 12' Disturbance Area - New Access
 - 12' Disturbance Area - Pad
 - Temporary Upland Construction Matting
 - Temporary Wetland Construction Matting
 - Eversource Fee-Owned Property
 - State-Owned Property
 - Parcel Boundary
 - Municipal Boundary
 - US National Forest Lands
 - Confirmed Vernal Pool Point
 - Delimited Ephemeral Stream
 - Delimited Intermittent Stream
 - Delimited Perennial Stream
 - Delimited Wetland Boundary Outline
 - Field Delimited Wetland
 - Confirmed Vernal Pool Egress
 - Open Water
 - EMA 100-Year Flood Zone
 - Floodway
 - Wood Turtle Protection Area
 - Heron Rookery Protection Area
 - Culvert
 - X-X' Fence

Main Notes:
 Coordinate System: NAD 1983 StatePlane New Hampshire FIPS 3100 Feet
 Notes: All work on this project was performed by Stantec in 2020 in accordance with 10-ACEC Wetland Determination Manual (10-80) or other current version.
 Data Source: Statewide Centerline, ROW, and abutment data provided by Eversource Energy. All other data from ANNOBUNT database. Grounding 2018 aerial imagery provided by AIG GROUP.
 This mapping product has been created to comply with regulatory requirements and to obtain certain regulatory approvals and, as such, may be in no reliance on the information contained hereon for any other purpose.

Whitefield to Northumberland Rebuild Project (D142)
Alteration of Terrain Permitting Plans
 Whitefield, New Hampshire
 Map Sheet 2 of 52

EVERSOURCE ENERGY

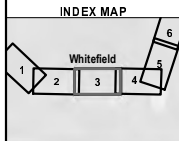
September 1, 2021



Area A
Between Structures 153-180
Map Sheets 1 to 10

Disturbance Type	Impact (s.f.)	Temporary Matting	Impact (s.f.)
New Access*	76,950	Access	79,380
Gravel Work/Pull Pad	223,640	Work/Pull Pad	90,909
Total Disturbed Area	300,590		

*12' disturbance area for gravel access



- Legend**
- Proposed Structure
 - Existing Structure
 - Overhead Eversource 115kV Line
 - Overhead Eversource 34.5kV Line
 - Existing 50-foot/way (ROW)
 - Proposed Alternative Access
 - Existing Access
 - Suggested Erosion and Sediment Control (TYP)
 - 2' Contours
 - 10' Contours
 - Aut/Disturbance Area-New Access
 - Aut/Disturbance Area-Pad
 - Temporary Upland Construction Matting
 - Temporary Wetland Construction Matting
 - Eversource Fee-Owned Property
 - State-Owned Property
 - Parcel Boundary
 - Municipal Boundary
 - US National Forest Lands
 - Confirmed Vernal Pool Point
 - Delimited Ephemeral Stream
 - Delimited Intermittent Stream
 - Delimited Perennial Stream
 - Delimited Wetland Boundary Outline
 - Field Delimited Wetland
 - Confirmed Vernal Pool Exterior
 - Open Water
 - EMA 100-Year Flood Zone
 - Wood Turtle Protection Area
 - Heron Rookery Protection Area
 - Guilts
 - X-X Fence

Map Notes:
Coordinate System: NAD 1983 StatePlane New Hampshire FIPS 3100 Feet
Notes: Work on this map was prepared by Stantec in 2023 in accordance with USACE Wetland Delineation Manual (5840) or other current version.
Data Source: Stantec, centerline, ROW, and aerial data provided by Eversource Energy. Data sources from ANNOBUNT database. Ground 2018 aerial imagery provided by ANNOBUNT.

This mapping product has been created to comply with regulatory requirements and to obtain certain regulatory approvals and, as such, may not be suitable for other information contained hereon for other purposes.

Whitefield to Northumberland Rebuild Project (D142)
Alteration of Terrain Permitting Plans
Whitefield, New Hampshire
Map Sheet 3 of 52

EVERSOURCE ENERGY

September 1, 2021



Area A
Between Structures 153-180
Map Sheets 1 to 10

Disturbance Type	Impact (s.f.)	Temporary Matting	Impact (s.f.)
New Access*	76,950	Access	79,380
Gravel Work/Pull Pad	223,640	Work/Pull Pad	90,909
Total Disturbed Area	300,590		

*12' disturbance area for gravel access



Legend

● Proposed Structure	● Existing Structure	— Overhead Eversource 115kV Line	— Overhead Eversource 35 kV Line	— Existing 50' Right-of-Way (ROW)	— Proposed Alternative Access	— Existing Access	— Proposed Erosion and Sediment Control (TYP)	— 2' Contours	— 10' Contours	■ Aft Disturbance Area- New Access	■ Aft Disturbance Area- Pad	■ Temporary Upland Construction Matting	■ Temporary Wetland Construction Matting	■ Eversource Fee-Owned Property	■ State-Owned Property	— Parcel Boundary	— Municipal Boundary	■ US National Forest Lands	● Confirmed Vernal Pool Point	— Delineated Ephemeral Stream	— Delineated Intermittent Stream	— Delineated Perennial Stream	— Delineated Wetland Boundary Outline	— Field Delineated Wetland	■ Confirmed Vernal Pool Exterior	■ Open Water	■ EMA 100-Year Flood Zone	— Floodway	■ Wood Turtle Protection Area	■ Heron Rookery Protection Area	● Culvert	— X-X Fence
----------------------	----------------------	----------------------------------	----------------------------------	-----------------------------------	-------------------------------	-------------------	---	---------------	----------------	------------------------------------	-----------------------------	---	--	---------------------------------	------------------------	-------------------	----------------------	----------------------------	-------------------------------	-------------------------------	----------------------------------	-------------------------------	---------------------------------------	----------------------------	----------------------------------	--------------	---------------------------	------------	-------------------------------	---------------------------------	-----------	-------------

Map Notes:
 Coordinate System: NAD 1983 StatePlane New Hampshire FIPS 3100 Feet
 Notes: All on a coordinate system provided by Stantec in 2020 in accordance with USACE Wetland Delineation Manual (5160) or subsequent version.
 Data Source: Survey, centerline, ROW, and abutment data provided by Eversource Energy. All other data from ANNOUANT database. Ground 2018 aerial imagery provided by AIR GRANT.
 This mapping product has been created to comply with regulatory requirements to obtain certain regulatory approvals and, as such, may be in no reliance on the information contained hereon for any other purpose.

Whitefield to Northumberland Rebuild Project (D142)
Alteration of Terrain Permitting Plans
 Whitefield, New Hampshire
 Map Sheet 4 of 52

EVERSOURCE ENERGY

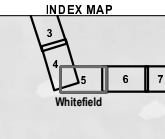
September 1, 2021



Area A
Between Structures 153-180
Map Sheets 1 to 10

Disturbance Type	Impact (s.f.)	Temporary Matting	Impact (s.f.)
New Access*	76,950	Access	79,380
Gravel Work/Pull Pad	223,640	Work/Pull Pad	90,909
Total Disturbed Area	300,590		

*12' disturbance area for gravel access



- Legend**
- Proposed Structure
 - Existing Structure
 - Overhead Eversource 115kV Line
 - Overhead Eversource 35kV Line
 - Existing 50-foot/way (ROW)
 - Proposed Alternative Access
 - Existing Access
 - Supposed Erosion and Sediment Control (TYP)
 - 10' Contours
 - Aut Disturbance Area- New Access
 - Aut Disturbance Area- Pad
 - Temporary Upland Construction Matting
 - Temporary Wetland Construction Matting
 - Eversource Fee-Owned Property
 - State-Owned Property
 - Parcel Boundary
 - Municipal Boundary
 - US National Forest Lands
 - Confirmed Vernal Pool Point
 - Delined Ephemeral Stream
 - Delined Intermittent Stream
 - Delined Perennial Stream
 - Delined Wetland Boundary Outline
 - Field Delined Wetland
 - Confirmed Vernal Pool Egress
 - Open Water
 - EMA 100-Year Flood Zone
 - Floodway
 - Wood Turtle Protection Area
 - Heron Roosting Protection Area
 - Culvert
 - X-X Fence

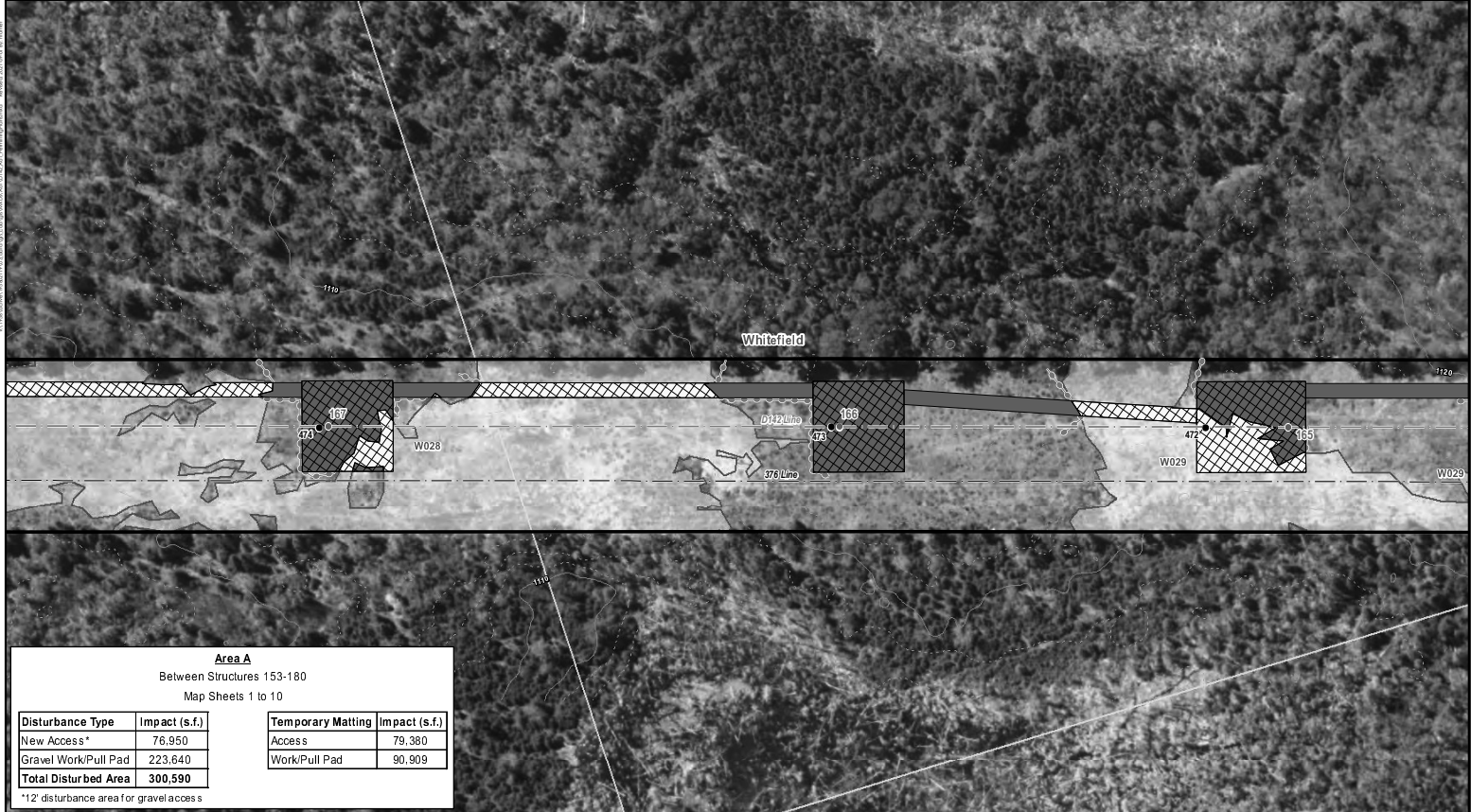
Map Notes:
 Coordinate System: NAD 1983 StatePlane New Hampshire FIPS 3100 Feet
 Notes: All work shown is as proposed by Stantec in 2023 in accordance with 10-ACE Wetland Determination Manual (10-80) or other current version.
 Data Source: Scanned, centerline, ROW, and aerial data provided by Eversource Energy. Aerial photos from AIRCRAFT/ORBIMAGE. Ground truth data imagery provided by AIRCRAFT.

This mapping product has been created to comply with regulatory requirements and to obtain certain regulatory approvals and, as such, may be subject to change in the information contained hereafter for other purposes.

Whitefield to Northumberland Rebuild Project (D142)
Alteration of Terrain
Permitting Plans
 Whitefield, New Hampshire
 Map Sheet 5 of 52

EVERSOURCE ENERGY

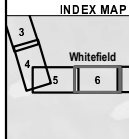
September 1, 2021



Area A
Between Structures 153-180
Map Sheets 1 to 10

Disturbance Type	Impact (s.f.)	Temporary Matting	Impact (s.f.)
New Access *	76,950	Access	79,380
Gravel Work/Pull Pad	223,640	Work/Pull Pad	90,909
Total Disturbed Area	300,590		

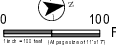
*12' disturbance area for gravel access



- Legend**
- Proposed Structure
 - Existing Structure
 - Overhead Eversource 115kV Line
 - Overhead Eversource 35kV Line
 - Existing 50-foot/Right-of-Way (ROW)
 - Proposed Alternative Access
 - Existing Access
 - Suggested Erosion and Sediment Control (TYP)
 - 10' Contours
 - Adit Disturbance Area- New Access
 - Adit Disturbance Area- Pad
 - Temporary Upland Construction Matting
 - Temporary Wetland Construction Matting
 - Eversource Fee-Owned Property
 - State-Owned Property
 - Parcel Boundary
 - Municipal Boundary
 - US National Forest Lands
 - Confirmed Vernal Pool Point
 - Delimited Ephemeral Stream
 - Delimited Intermittent Stream
 - Delimited Perennial Stream
 - Delimited Wetland Boundary Outline
 - Field Delimited Wetland
 - Confirmed Vernal Pool Exterior
 - Open Water
 - EMA 100-Year Flood Zone
 - Floodway
 - Wood Turtle Protection Area
 - Heron Roostery Protection Area
 - Culvert
 - X-X' Fence

Map Notes:
 Control Point System: NAD 1983 StatePlane NewHampshire FIPS 3500 Feet
 Notes: All work on this map was prepared by Stantec in 2020 in accordance with 10-ACE Wetland Determination Manual (10-80) or other current version.
 Data Sources: Aerial imagery, centerline, ROW, and other data provided by Eversource Energy. All other data from ANNOYANT ZONING, GEOTOP, 2015 aerial imagery provided by ANNOYANT.

This mapping product has been created to comply with regulatory requirements to obtain certain regulatory approvals and, as such, may be of no value in the information contained hereon for other purposes.



Whitefield to Northumberland Rebuild Project (D142)
Alteration of Terrain Permitting Plans
 Whitefield, New Hampshire
 Map Sheet 6 of 52

EVERSOURCE ENERGY

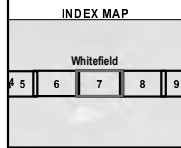
September 1, 2021



Area A
Between Structures 153-180
Map Sheets 1 to 10

Disturbance Type	Impact (s.f.)	Temporary Matting	Impact (s.f.)
New Access *	76,950	Access	79,380
Gravel Work/Pull Pad	223,640	Work/Pull Pad	90,909
Total Disturbed Area	300,590		

*12' disturbance area for gravel access



- Legend**
- Proposed Structure
 - Existing Structure
 - Overhead Eversource 115kV Line
 - Overhead Eversource 35kV Line
 - Existing 50-foot/Way (ROW)
 - Proposed Alternative Access
 - Existing Access
 - Suggested Erosion and Sediment Control (TYP)
 - 2' Contours
 - 10' Contours
 - AdT Disturbance Area- New Access
 - AdT Disturbance Area- Pad
 - Temporary Upland Construction Matting
 - Temporary Wetland Construction Matting
 - Eversource Fee-Owned Property
 - Share-Owned Property
 - Parcel Boundary
 - Municipal Boundary
 - US National Forest Lands
 - Confirmed Vernal Pool Point
 - Delimited Ephemeral Stream
 - Delimited Intermittent Stream
 - Delimited Perennial Stream
 - Delimited Wetland Boundary Outline
 - Field Delimited Wetland
 - Confirmed Vernal Pool Exterior
 - Open Water
 - EMA 100-Year Flood Zone
 - Floodway
 - Wood Turtle Protection Area
 - Heron Rookery Protection Area
 - Culvert
 - Fence

Site Notes:
 Construction System: NAD 1983 StatePlane New Hampshire FIPS 3100 Feet
 Notes: Work on this project as approved by Stantec in 2020 in accordance with USACE Wetland Delineation Manual (2007) or subsequent version. All Disturbance, Setback, Centerline, ROW, and abutment data provided by Eversource Energy. All features from ANNOUANT database. Groundwork 2018 aerial imagery provided by AIG GROUP.

This mapping product has been created to comply with regulatory requirements to obtain certain regulatory approvals and, as such, may be no reliance on the information contained hereon for any other purpose.

Whitefield to Northumberland Rebuild Project (D142) Alteration of Terrain Permitting Plans

Whitefield, New Hampshire

Map Sheet 7 of 52

EVERSOURCE ENERGY

September 1, 2021



Area A
Between Structures 153-180
Map Sheets 1 to 10

Disturbance Type	Impact (s.f.)	Temporary Matting	Impact (s.f.)
New Access *	76,950	Access	79,380
Gravel Work/Pull Pad	223,640	Work/Pull Pad	90,909
Total Disturbed Area	300,590		

*12' disturbance area for gravel access

INDEX MAP

Whitefield			
6	7	8	10

- Legend**
- Proposed Structure
 - Existing Structure
 - Overhead Eversource 115kV Line
 - Overhead Eversource 35kV Line
 - Existing 50-foot/way (ROW)
 - Proposed Alternative Access
 - Existing Access
 - Suggested Erosion and Sediment Control (TYP)
 - 10' Contours
 - AdT Disturbance Area- New Access
 - AdT Disturbance Area- Pad
 - Temporary Upland Construction Matting
 - Temporary Wetland Construction Matting
 - Eversource Fee-Owned Property
 - State-Owned Property
 - Parcel Boundary
 - Municipal Boundary
 - US National Forest Lands
 - Confirmed Vernal Pool Point
 - Delined Ephemeral Stream
 - Delined Intermittent Stream
 - Delined Perennial Stream
 - Delined Wetland Boundary Outline
 - Field Delined Wetland
 - Confirmed Vernal Pool Exterior
 - Open Water
 - EMA 100-Year Flood Zone
 - Floodway
 - Wood Turtle Protection Area
 - Heron Roosting Protection Area
 - Culvert
 - X-X Fence

Map Notes:
 Coordinate System: NAD 1983 StatePlane New Hampshire FIPS 3100 Feet
 Notes: All on a foundation developed by Stantec in 2020 in accordance with 10-ACE Wetland Delineation Manual (10-01) or other current version.
 Data Source: Survey, contours, ROW, and aerial data provided by Eversource Energy. Aerial photos from AIRCRAFT/ORBIMAGE. Ground 2018 aerial imagery provided by AIRCRAFT.

This mapping product has been created to comply with regulatory requirements and to obtain certain regulatory approvals and, as such, may be in no reliance on the information contained hereon for any other purpose.

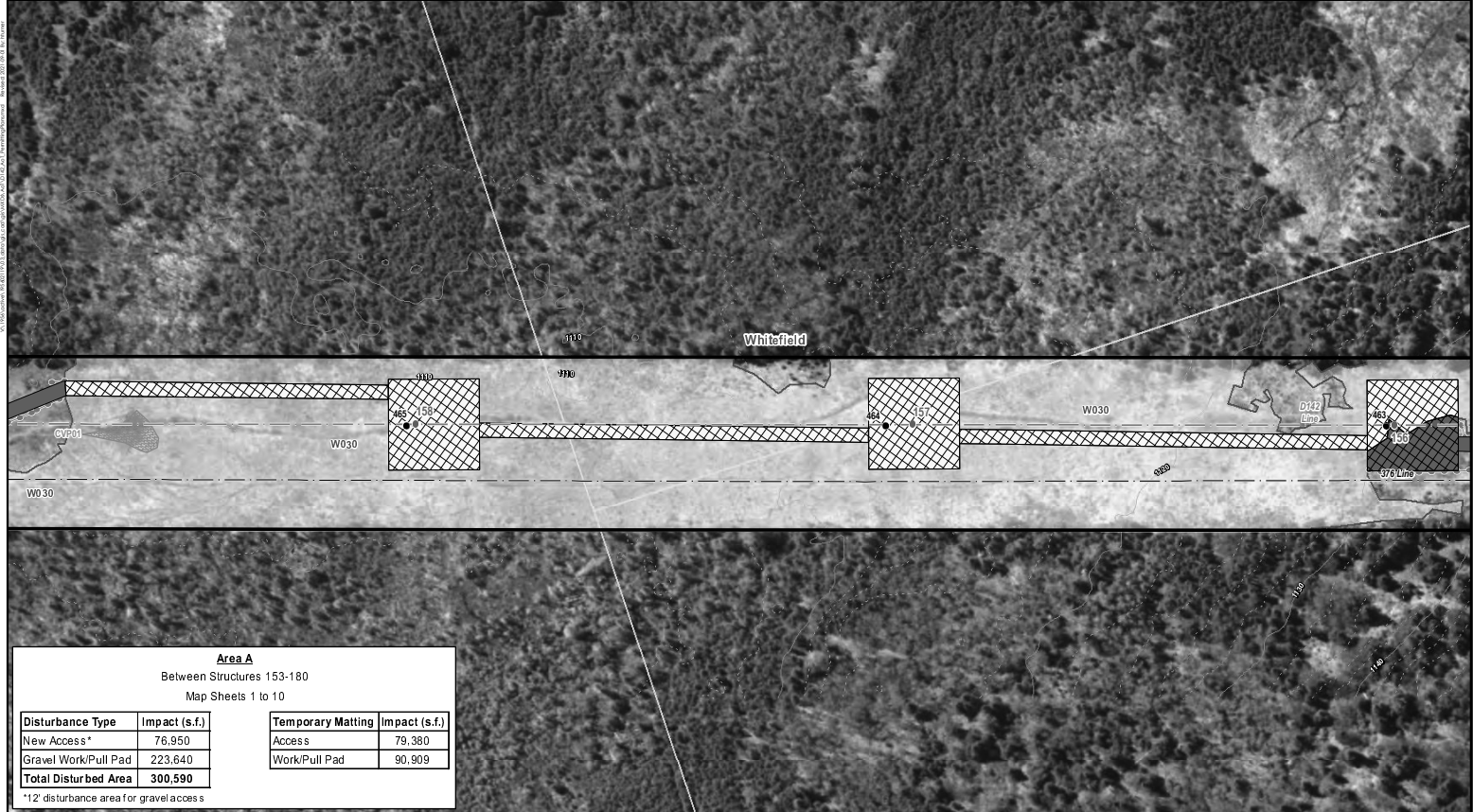


Whitefield to Northumberland Rebuild Project (D142)
Alteration of Terrain Permitting Plans
 Whitefield, New Hampshire
 Map Sheet 8 of 52

EVERSOURCE ENERGY

Stantec

September 1, 2021



Area A
Between Structures 153-180
Map Sheets 1 to 10

Disturbance Type	Impact (s.f.)	Temporary Matting	Impact (s.f.)
New Access *	76,950	Access	79,380
Gravel Work/Pull Pad	223,640	Work/Pull Pad	90,909
Total Disturbed Area	300,590		

*12' disturbance area for gravel access

INDEX MAP

Whitefield

7	8	9	10	11
---	---	---	----	----

Legend

- Proposed Structure
- Existing Structure
- Overhead Eversource 115kV Line
- Overhead Eversource 34.5kV Line
- Existing 50' Right-of-Way (ROW)
- Proposed Alternative Access
- Existing Access
- Suggested Erosion and Sediment Control (TYP)
- - - Z Contours
- 10' Contours
- AOT Disturbance Area-New Access
- AOT Disturbance Area-Pad
- Temporary Upland Construction Matting
- Temporary Wetland Construction Matting
- Eversource Fee-Owned Property
- State-Owned Property
- Parcel Boundary
- Municipal Boundary
- US National Forest Lands
- Confirmed Vernal Pool Point
- Delineated Ephemeral Stream
- Delineated Intermittent Stream
- Delineated Perennial Stream
- Delineated Wetland Boundary Outline
- Field Delineated Wetland
- Confirmed Vernal Pool Exterior
- Open Water
- EMA 100-Year Flood Zone
- Floodway
- Wood Turtle Protection Area
- Heron Roostery Protection Area
- Culvert
- X-X Fence

Map Scale:
 Coordinate System: NAD 1983 StatePlane New Hampshire FIPS 3100 Feet
 Notes: All on a coordinate system by Stantec in 2020 in accordance with USACE Wetland Delineation Manual (1988) or other current version.
 Disturbance, Structure, Centerline, ROW, and other data provided by Eversource Energy. All other data from ANNOUANT/CRABBAZ, GEORGE 2018 aerial imagery provided by ANNOUANT.

This mapping product has been created to comply with regulatory requirements and to obtain certain regulatory approvals and, as such, may be of no value in the information contained hereon for any other purpose.

Whitefield to Northumberland Rebuild Project (D142)
Alteration of Terrain Permitting Plans
 Whitefield, New Hampshire
 Map Sheet 9 of 52

EVERSOURCE ENERGY

Stantec

September 1, 2021



Area A
Between Structures 153-180
Map Sheets 1 to 10

Disturbance Type	Impact (s.f.)	Temporary Matting	Impact (s.f.)
New Access*	76,950	Access	79,380
Gravel Work/Pull Pad	223,640	Work/Pull Pad	90,909
Total Disturbed Area	300,590		

*12' disturbance area for gravel access

INDEX MAP

Whitefield

8	9	10	11	12
---	---	----	----	----

- Legend**
- Proposed Structure
 - Existing Structure
 - Overhead Eversource 115kV Line
 - Overhead Eversource 35kV Line
 - Existing Right-of-Way (ROW)
 - Proposed Alternative Access
 - Existing Access
 - Suggested Erosion and Sediment Control (TYP)
 - 10' Contours
 - AdT Disturbance Area- New Access
 - AdT Disturbance Area- Pad
 - Temporary Upland Construction Matting
 - Temporary Wetland Construction Matting
 - Eversource Fee-Owned Property
 - State-Owned Property
 - Parcel Boundary
 - Municipal Boundary
 - US National Forest Lands
 - Confirmed Vernal Pool Point
 - Delimited Ephemeral Stream
 - Delimited Intermittent Stream
 - Delimited Perennial Stream
 - Delimited Wetland Boundary Outline
 - Field Delimited Wetland
 - Confined Vernal Pool Exterior
 - Open Water
 - EMA 100-Year Flood Zone
 - Floodway
 - Wood Turtle Protection Area
 - Heron Roostery Protection Area
 - Culvert
 - X-X Fence

Map Notes:
 Coordinate System: NAD 1983 StatePlane New Hampshire FIPS 3100 Feet
 Notes: Work on this project as designed by Stantec in 2020 in accordance with USACE Wetland Delineation Manual (2016) or subsequent revision. All contours, centerline, ROW, and other data provided by Eversource Energy. All features from ANNOUANTZ database. Ground 2018 aerial imagery provided by AIR GRANT.

This mapping product has been created to comply with regulatory requirements and to obtain certain regulatory approvals and, as such, may not be suitable for other information contained hereon for any other purpose.

Whitefield to Northumberland Rebuild Project (D142) Alteration of Terrain Permitting Plans

Whitefield, New Hampshire

Map Sheet 10 of 52

EVERSOURCE ENERGY

Stantec

September 1, 2021



Area B
Between Structure 115-151
Map Sheets 11 to 23

Disturbance Type	Impact (s.f.)	Temporary Matting	Impact (s.f.)
New Access*	77,840	Access	116,960
Gravel Work/Pull Pad	209,762	Work/Pull Pad	184,740
Total Disturbed Area	287,602		

*12' disturbance area for gravel access

INDEX MAP

Whitefield

9	10	11	12	13
---	----	----	----	----

- Legend**
- Proposed Structure
 - Existing Structure
 - Overhead Eversource 115kV Line
 - Overhead Eversource 35kV Line
 - Existing Right-of-Way (ROW)
 - Proposed Alternative Access
 - Existing Access
 - Suggested Erosion and Sediment Control (TYP)
 - 2' Contours
 - 10' Contours
 - Aut Disturbance Area- New Access
 - Aut Disturbance Area- Pad
 - Temporary Upland Construction Matting
 - Temporary Wetland Construction Matting
 - Eversource Fee-Owned Property
 - State-Owned Property
 - Parcel Boundary
 - Municipal Boundary
 - US National Forest Lands
 - Confirmed Vernal Pool Point
 - Delined Ephemeral Stream
 - Delined Intermittent Stream
 - Delined Perennial Stream
 - Delined Wetland Boundary Outline
 - Field Delined Wetland
 - Confirmed Vernal Pool Exterior
 - Open Water
 - EMA 100-Year Flood Zone
 - 15' Floodway
 - Wood Turtle Protection Area
 - Heron Roosting Protection Area
 - Culvert
 - X-X' Fence

Map Notes:
 Coordinate System: NAD 1983 StatePlane New Hampshire FIPS 3100 Feet
 Notes: All on documents developed by Stantec in 2020 in accordance with USACE Wetland Delineation Manual (5830) or subsequent revision.
 Data Sources: Structure, centerline, ROW, and aerial data provided by Eversource Energy. Aerial photos from AIRCRAFT/ORBIMAGE. Ground 2018 aerial imagery provided by AIRCRAFT.

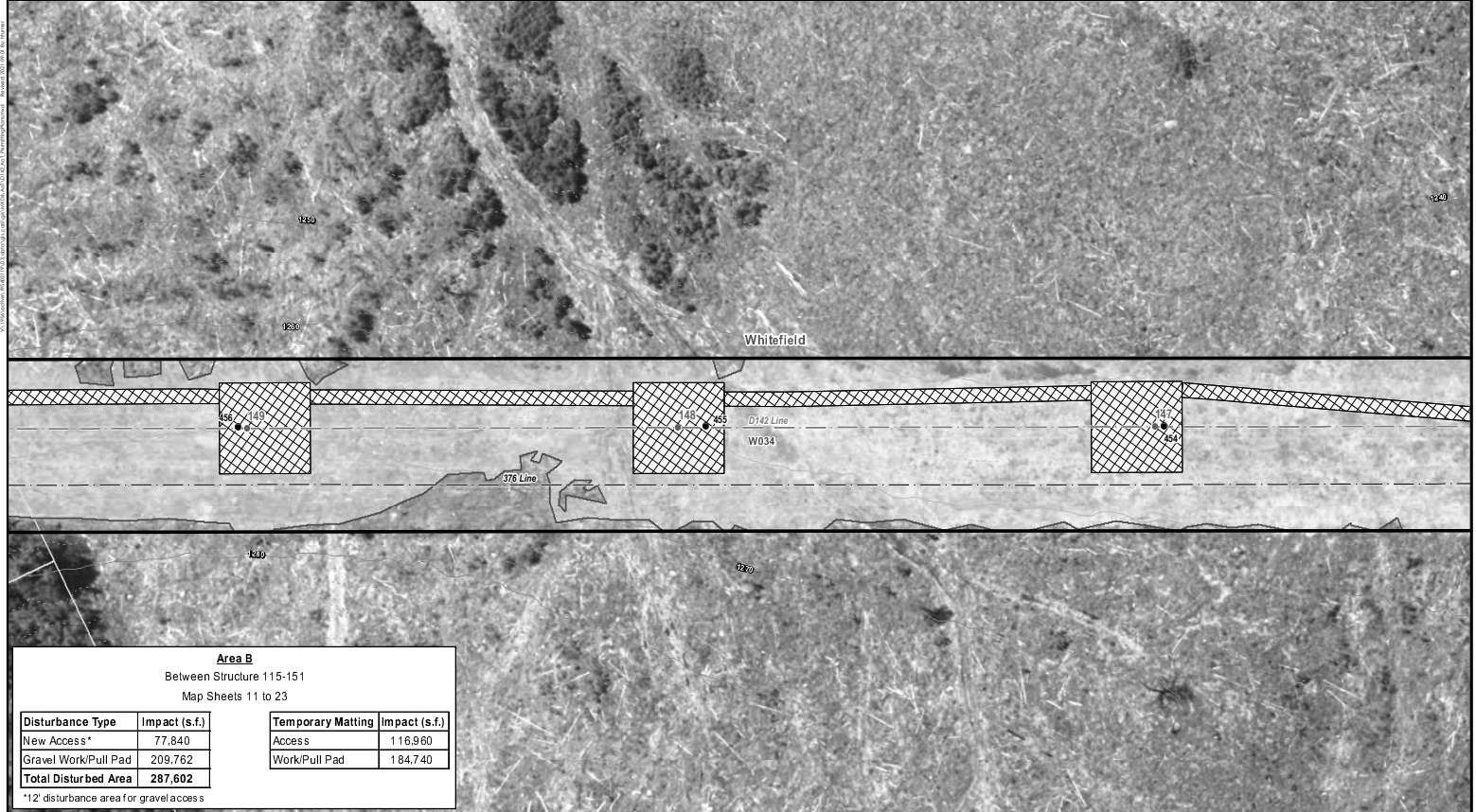
This mapping product has been created to comply with regulatory requirements to obtain certain regulatory approvals and, as such, there is no reliance on the information contained hereon for any other purpose.

Whitefield to Northumberland Rebuild Project (D142)
Alteration of Terrain Permitting Plans
 Whitefield, New Hampshire
 Map Sheet 11 of 52

EVERSOURCE ENERGY

Stantec

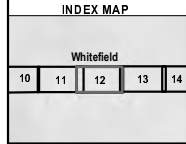
September 1, 2021



Area B
Between Structure 115-151
Map Sheets 11 to 23

Disturbance Type	Impact (s.f.)	Temporary Matting	Impact (s.f.)
New Access*	77,840	Access	116,960
Gravel Work/Pull Pad	209,762	Work/Pull Pad	184,740
Total Disturbed Area	287,602		

*12' disturbance area for gravel access



Legend

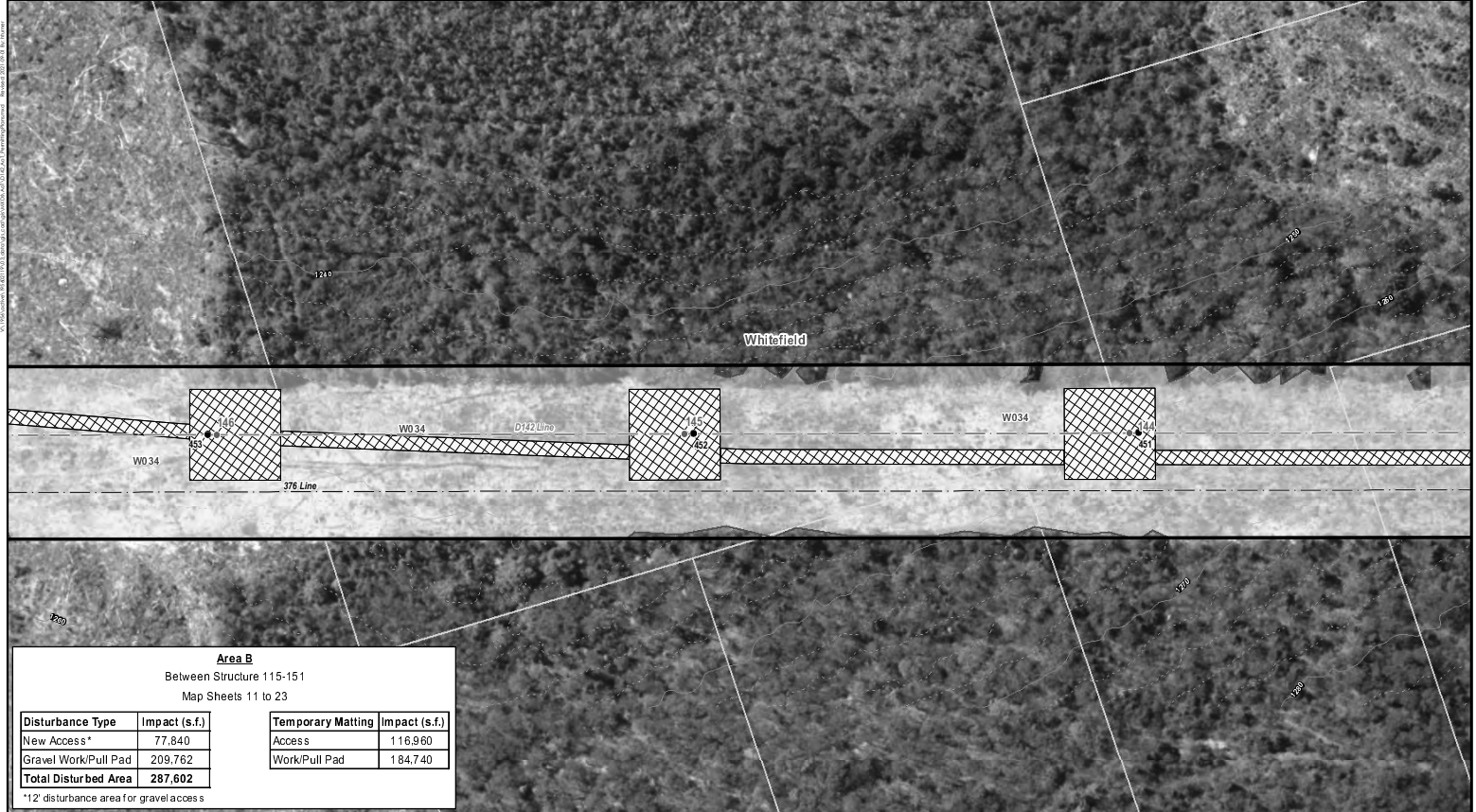
- Proposed Structure
- Existing Structure
- Overhead Eversource 115kV Line
- Overhead Eversource 36.5kV Line
- Existing 50' Right-of-Way (ROW)
- Proposed Alternative Access
- Existing Access
- Suggested Erosion and Sediment Control (TYP)
- 10' Contours
- AdT Disturbance Area-New Access
- AdT Disturbance Area-Pad
- Temporary Upland Construction Matting
- Temporary Wetland Construction Matting
- Eversource Fee-Owned Property
- State-Owned Property
- Parcel Boundary
- Municipal Boundary
- US National Forest Lands
- Confirmed Vernal Pool Point
- Delimited Ephemeral Stream
- Delimited Intermittent Stream
- Delimited Perennial Stream
- Delimited Wetland Boundary Outline
- Field Delimited Wetland
- Confirmed Vernal Pool Exterior
- Open Water
- EMA 100-Year Flood Zone
- Wood Turtle Protection Area
- Wetland Rookery Protection Area
- Culvert
- Fence

Note:
Construction System: NAD 1983 StatePlane NewHampshire FIPS 3100 Feet
Notes: Work on this project as proposed by Stantec in 2020 in accordance with USACE Wetland Delineation Manual (2016) or subsequent version. All data is as of 9/1/2020. ROW and other data provided by Eversource Energy. All features from ANNOUANTZ database. Ground 2018 aerial imagery provided by AIR GRANT.

This mapping product has been created to comply with regulatory requirements and to obtain certain regulatory approvals and, as such, may be of no reliance on the information contained hereon for any other purpose.

Whitefield to Northumberland Rebuild Project (D142)
Alteration of Terrain Permitting Plans
Whitefield, New Hampshire
Map Sheet 12 of 52

EVERSOURCE ENERGY
Stantec
September 1, 2021



Area B
Between Structure 115-151
Map Sheets 11 to 23

Disturbance Type	Impact (s.f.)	Temporary Matting	Impact (s.f.)
New Access *	77,840	Access	116,960
Gravel Work/Pull Pad	209,762	Work/Pull Pad	184,740
Total Disturbed Area	287,602		

*12' disturbance area for gravel access

INDEX MAP

Whitefield

11	12	13	14	15
----	----	----	----	----

- Legend**
- Proposed Structure
 - Existing Structure
 - Overhead Eversource 115kV Line
 - Overhead Eversource 35kV Line
 - Existing 50' Right-of-Way (ROW)
 - Proposed Alternative Access
 - Existing Access
 - Suggested Erosion and Sediment Control (TYP)
 - 10' Contours
 - Aut Disturbance Area- New Access
 - Aut Disturbance Area- Pad
 - Temporary Upland Construction Matting
 - Temporary Wetland Construction Matting
 - Eversource Fee-Owned Property
 - State-Owned Property
 - Parcel Boundary
 - Municipal Boundary
 - US National Forest Lands
 - Confirmed Vernal Pool Point
 - Delimited Ephemeral Stream
 - Delimited Intermittent Stream
 - Delimited Perennial Stream
 - Delimited Wetland Boundary Outline
 - Field Delimited Wetland
 - Confirmed Vernal Pool Egress
 - Open Water
 - EMA 100-Year Flood Zone
 - EM Roadway
 - Wood Turtle Protection Area
 - Heron Roosting Protection Area
 - Culvert
 - X-X' Fence

Map Notes:
 Coordinate System: NAD 1983 StatePlane New Hampshire FIPS 3100 Feet
 Notes: All on a computer as prepared by Stantec in 2020 in accordance with USACE Wetland Delineation Manual (1987) or other current version.
 Data Sources: Structure, centerline, ROW, and aerial data provided by Eversource Energy. Blue features from ANNOUANTZCADAAA. Groundmap 2018 aerial imagery provided by ANNOUANTZ.

This mapping product has been created to comply with regulatory requirements in certain states. Regulatory approval is not intended, and no reliance on the information contained hereon for any other purpose.

Whitefield to Northumberland Rebuild Project (D142)
Alteration of Terrain Permitting Plans
 Whitefield, New Hampshire
 Map Sheet 13 of 52

EVERSOURCE ENERGY

Stantec

September 1, 2021



Area B
Between Structure 115-151
Map Sheets 11 to 23

Disturbance Type	Impact (s.f.)	Temporary Matting	Impact (s.f.)
New Access *	77,840	Access	116,960
Gravel Work/Pull Pad	209,762	Work/Pull Pad	184,740
Total Disturbed Area	287,602		

*12' disturbance area for gravel access

INDEX MAP

Whitefield

12	13	14	15	16
----	----	----	----	----

Legend

- Proposed Structure
- Existing Structure
- Overhead Eversource 115kV Line
- Overhead Eversource 35kV Line
- Existing 8' Right-of-Way (ROW)
- Proposed Alternative Access
- Existing Access
- Suggested Erosion and Sediment Control (TYP)
- 2' Contours
- 10' Contours
- Aut/D Disturbance Area-New Access
- Aut/D Disturbance Area-Pad
- Temporary Upland Construction Matting
- Temporary Wetland Construction Matting
- Eversource Fee-Owned Property
- State-Owned Property
- Parcel Boundary
- Municipal Boundary
- US National Forest Lands
- Confirmed Vernal Pool Point
- Delimited Ephemeral Stream
- Delimited Intermittent Stream
- Delimited Perennial Stream
- Delimited Wetland Boundary Outline
- Field Delimited Wetland
- Confirmed Vernal Pool Exterior
- Open Water
- EMA 100-Year Flood Zone
- Wood Turtle Protection Area
- Heron Roosting Protection Area
- Culvert
- X-X Fence

Map Notes:
Coordinate System: NAD 1983 StatePlane New Hampshire FIPS 3103 Feet
Notes: All work shown is designed by Stantec in 2020 in accordance with 10-ACE Wetland Determination Manual (10-01) or other current version.
Data Source: Statewide ROW and aerial data provided by Eversource Energy. Aerial photos from AIRCRAFT/ORBIS. Ground 2018 aerial imagery provided by AIRCRAFT.

This mapping product has been created to comply with regulatory requirements and to obtain certain regulatory approvals and, as such, may be subject to change in the information contained hereafter for other purposes.



Whitefield to Northumberland Rebuild Project (D142)
Alteration of Terrain Permitting Plans
Whitefield, New Hampshire
Map Sheet 14 of 52

EVERSOURCE ENERGY

Stantec

September 1, 2021



Area B
Between Structure 115-151
Map Sheets 11 to 23

Disturbance Type	Impact (s.f.)	Temporary Matting	Impact (s.f.)
New Access *	77,840	Access	116,960
Gravel Work/Pull Pad	209,762	Work/Pull Pad	184,740
Total Disturbed Area	287,602		

*12' disturbance area for gravel access

INDEX MAP

Whitefield

14	15	16	17	18
----	----	----	----	----

- Legend**
- Proposed Structure
 - Existing Structure
 - Overhead Eversource 115kV Line
 - Overhead Eversource 35kV Line
 - Existing Right-of-Way (ROW)
 - Proposed Alternative Access
 - Existing Access
 - Suggested Erosion and Sediment Control (TYP)
 - 2' Contours
 - 10' Contours
 - AdT Disturbance Area- New Access
 - AdT Disturbance Area- Pad
 - Temporary Upland Construction Matting
 - Temporary Wetland Construction Matting
 - Eversource Fee-Owned Property
 - State-Owned Property
 - Parcel Boundary
 - Municipal Boundary
 - US National Forest Lands
 - Confirmed Vernal Pool Point
 - Delimited Ephemeral Stream
 - Delimited Intermittent Stream
 - Delimited Perennial Stream
 - Delimited Wetland Boundary Outline
 - Field Delimited Wetland
 - Confirmed Vernal Pool Exterior
 - Open Water
 - EMA 100-Year Flood Zone
 - Floodway
 - Wood Turtle Protection Area
 - Heron Roosting Protection Area
 - Culvert
 - X-X Fence

Note:
 Construction System: NAD 1983 StatePlane New Hampshire FIPS 3100 Feet
 Notes: All work shown is designed by Stantec in 2023 in accordance with 162-ACE Wetland Delineation Manual (162-01) or other current version.
 Data Source: Structure, centerline, ROW, and abutment data provided by Eversource Energy. All other data from ANNOBUNT database. Ground 2018 aerial imagery provided by AIR GRANT.

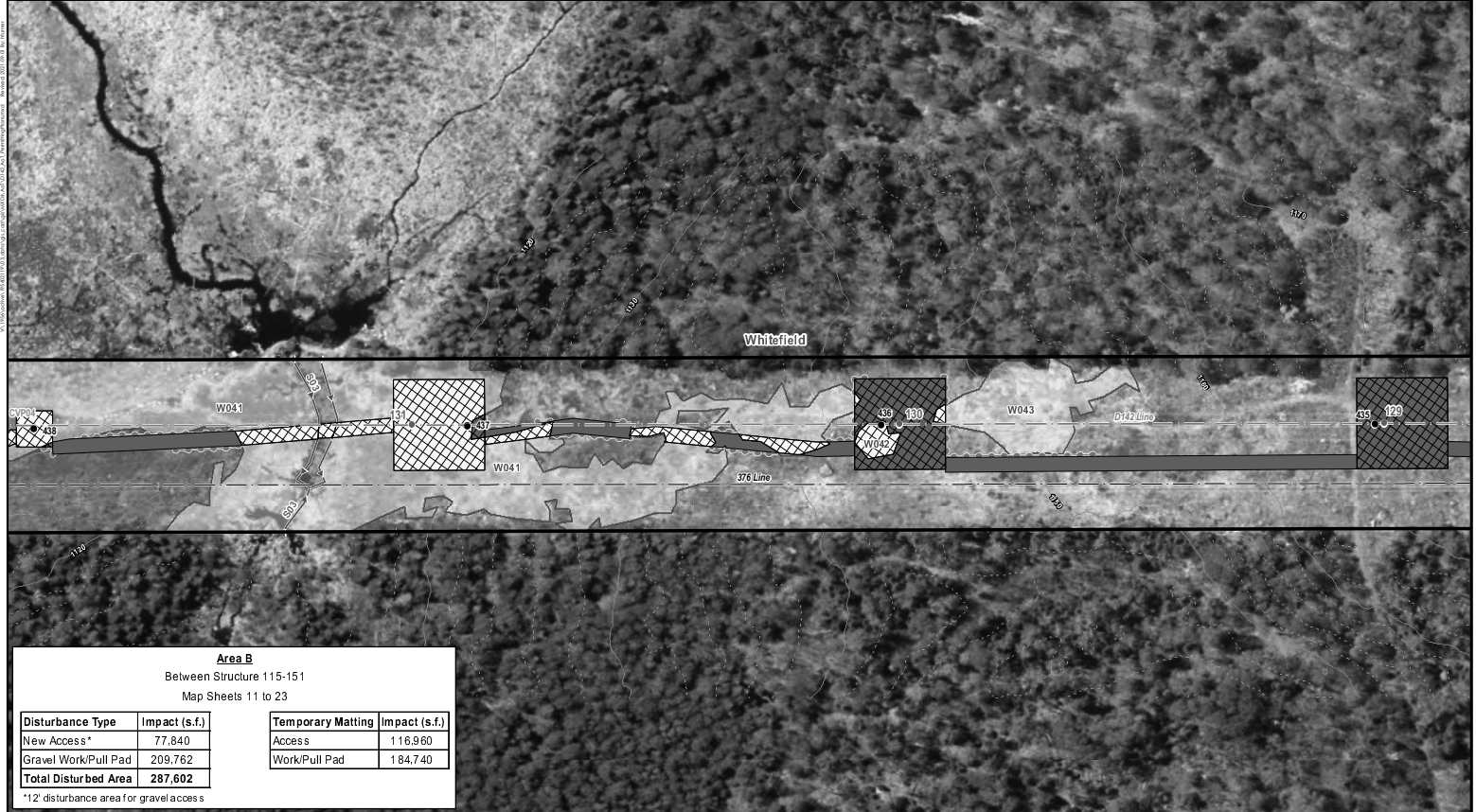
This mapping product has been created to comply with regulatory requirements and to obtain certain regulatory approvals and, as such, may be of no reliance on the information contained hereon for any other purpose.

Whitefield to Northumberland Rebuild Project (D142)
Alteration of Terrain Permitting Plans
 Whitefield, New Hampshire
 Map Sheet 16 of 52

EVERSOURCE ENERGY

Stantec

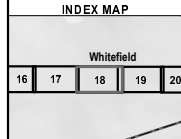
September 1, 2021



Area B
Between Structure 115-151
Map Sheets 11 to 23

Disturbance Type	Impact (s.f.)	Temporary Matting	Impact (s.f.)
New Access*	77,840	Access	116,960
Gravel Work/Pull Pad	209,762	Work/Pull Pad	184,740
Total Disturbed Area	287,602		

*12' disturbance area for gravel access



- Legend**
- Proposed Structure
 - Existing Structure
 - Overhead Eversource 115kV Line
 - Overhead Eversource 35kV Line
 - Existing Right-of-Way (ROW)
 - Proposed Alternative Access
 - Existing Access
 - Suggested Erosion and Sediment Control (TYP)
 - 10' Contours
 - Aut Disturbance Area- New Access
 - Aut Disturbance Area- Pad
 - Temporary Upland Construction Matting
 - Temporary Wetland Construction Matting
 - Eversource Fee-Owned Property
 - State-Owned Property
 - Parcel Boundary
 - Municipal Boundary
 - US National Forest Lands
 - Confirmed Vernal Pool Point
 - Delimited Ephemeral Stream
 - Delimited Intermittent Stream
 - Delimited Perennial Stream
 - Delimited Wetland Boundary Outline
 - Field Delimited Wetland
 - Confirmed Vernal Pool Ejecta
 - Open Water
 - EMA 100-Year Flood Zone
 - Floodway
 - Wood Turtle Protection Area
 - Heron Rookery Protection Area
 - Culvert
 - Fence

Map Notes:
 Construction System: NAD 1983 StatePlane New Hampshire FIPS 3100 Feet
 Notes: All on a coordinate system approved by Stantec in 2020 in accordance with USACE Wetland Delineation Manual (2008) or subsequent revision.
 Data Source: Survey, center line, ROW, and abutment data provided by Eversource Energy. All other data from ANNOBUNT database. Ground 2018 aerial imagery provided by AIR GRANT.

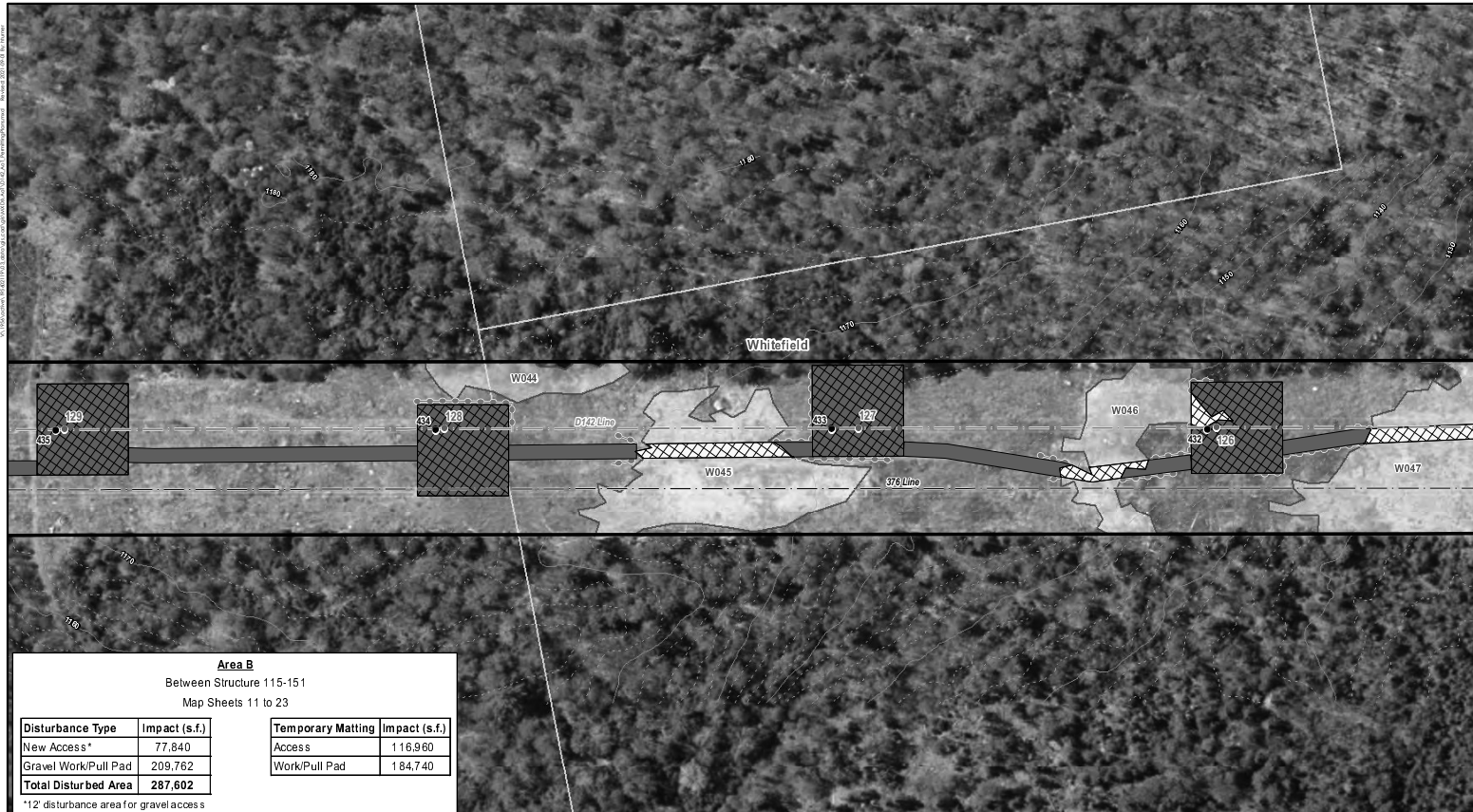
This mapping product has been created to comply with regulatory requirements and to obtain certain regulatory approvals and, as such, may be in reliance on the information contained hereon for other purposes.

Whitefield to Northumberland Rebuild Project (D142) Alteration of Terrain Permitting Plans
 Whitefield, New Hampshire
 Map Sheet 18 of 52

EVERSOURCE ENERGY

Stantec

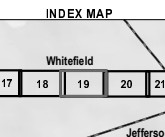
September 1, 2021



Area B
Between Structure 115-151
Map Sheets 11 to 23

Disturbance Type	Impact (s.f.)	Temporary Matting	Impact (s.f.)
New Access *	77,840	Access	116,960
Gravel Work/Pull Pad	209,762	Work/Pull Pad	184,740
Total Disturbed Area	287,602		

*12' disturbance area for gravel access



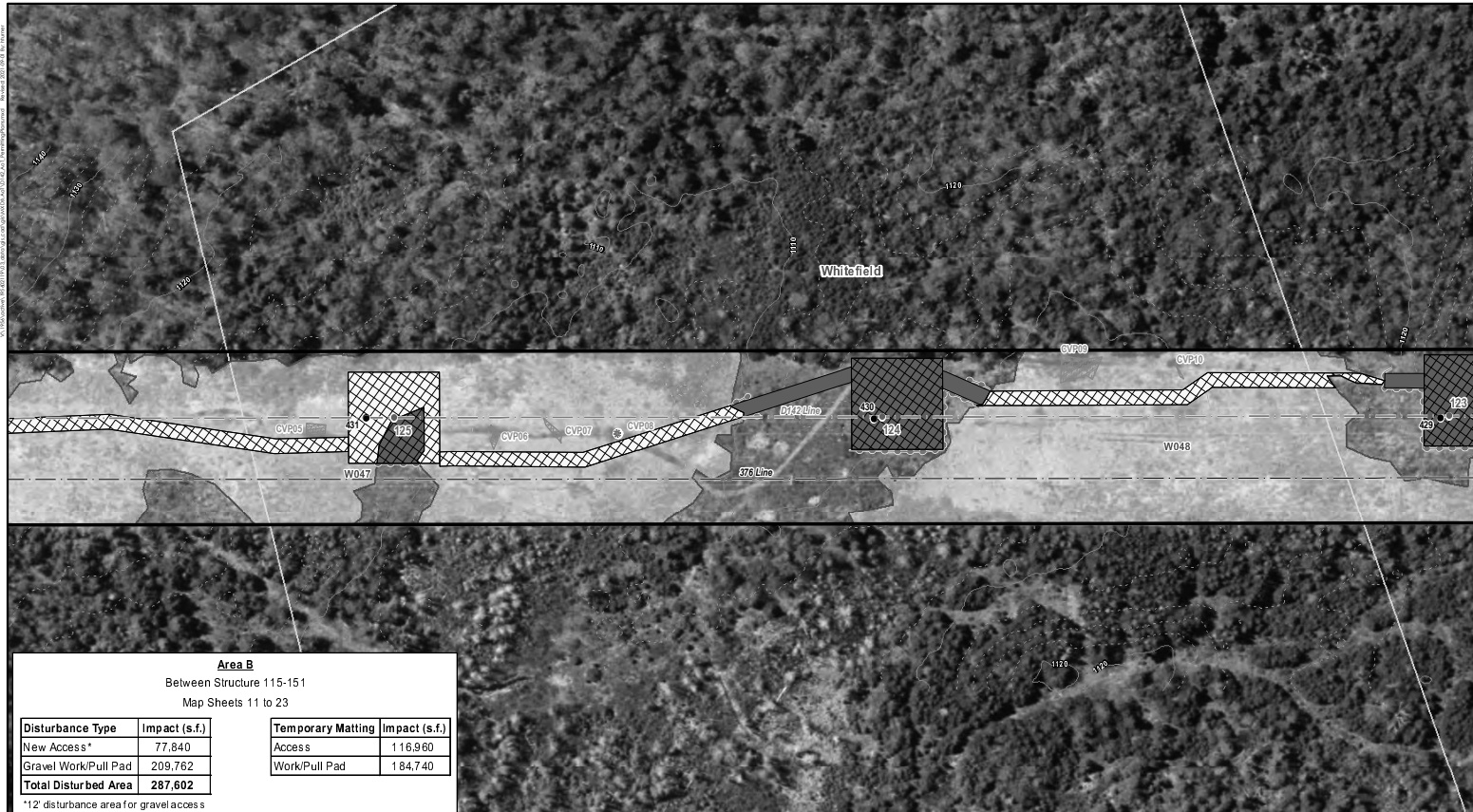
- Legend**
- Proposed Structure
 - Existing Structure
 - Overhead Eversource 115kV Line
 - Overhead Eversource 35kV Line
 - Existing 5' Right-of-Way (ROW)
 - Proposed Alternative Access
 - Existing Access
 - Suggested Erosion and Sediment Control (TYP)
 - 2' Contours
 - 10' Contours
 - AdT Disturbance Area- New Access
 - AdT Disturbance Area- Pad
 - Temporary Upland Construction Matting
 - Temporary Wetland Construction Matting
 - Eversource Fee-Owned Property
 - State-Owned Property
 - Parcel Boundary
 - Municipal Boundary
 - US National Forest Lands
 - Confirmed Vernal Pool Point
 - Delimited Ephemeral Stream
 - Delimited Intermittent Stream
 - Delimited Perennial Stream
 - Delimited Wetland Boundary Outline
 - Field Delimited Wetland
 - Confirmed Vernal Pool Exterior
 - Open Water
 - EMA 100-Year Flood Zone
 - Wood Turtle Protection Area
 - Heron Rookery Protection Area
 - Culvert
 - Fence

Map Notes:
 Construction System: NAD 1983 StatePlane NewHampshire FIPS 3100 Feet
 Notes: All work to be done as approved by Stantec in 2020 in accordance with USACE Wetland Delineation Manual (1988) or other current version.
 Data Sources: Structure, centerline, ROW, and aerial data provided by Eversource Energy. Blue features from AN GRANTY CAD/BAAS. Groundmap 2018 aerial imagery provided by AN GRANTY.
 This mapping product has been created to comply with regulatory requirements and to obtain certain regulatory approvals and, as such, may be of no reliance on the information contained hereon for any other purpose.

Whitefield to Northumberland Rebuild Project (D142)
Alteration of Terrain Permitting Plans
 Whitefield, New Hampshire
 Map Sheet 19 of 52

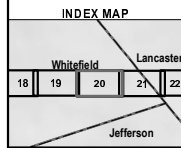
EVERSOURCE ENERGY

September 1, 2021



Disturbance Type	Impact (s.f.)	Temporary Matting	Impact (s.f.)
New Access *	77,840	Access	116,960
Gravel Work/Pull Pad	209,762	Work/Pull Pad	184,740
Total Disturbed Area	287,602		

*12' disturbance area for gravel access



- Legend**
- Proposed Structure
 - Existing Structure
 - Overhead Eversource 115kV Line
 - Overhead Eversource 35kV Line
 - Existing 50-foot/way (ROW)
 - Proposed Alternative Access
 - Existing Access
 - Suggested Erosion and Sediment Control (TYP)
 - 10' Contours
 - AdT Disturbance Area- New Access
 - AdT Disturbance Area- Pad
 - Temporary Upland Construction Matting
 - Temporary Wetland Construction Matting
 - Eversource Fee-Owned Property
 - State-Owned Property
 - Parcel Boundary
 - Municipal Boundary
 - US National Forest Lands
 - Confirmed Vernal Pool Point
 - Delimited Ephemeral Stream
 - Delimited Intermittent Stream
 - Delimited Perennial Stream
 - Delimited Wetland Boundary Outline
 - Field Delimited Wetland
 - Confirmed Vernal Pool Exterior
 - Open Water
 - EMA 100-Year Flood Zone
 - Floodway
 - Wood Turtle Protection Area
 - Heron Roosting Protection Area
 - Culvert
 - X-X' Fence

Note:
Coordinate System: NAD 1983 StatePlane New Hampshire FIPS 3100 Feet
Notes: Work on this project was prepared by Stantec in 2020 in accordance with 454-ACE Wetland Delineation Manual (10/2017) or other current version.
Data Source: Survey, centerline, ROW, and aerial data provided by Eversource Energy. Aerial photos from AIRCRAFT/ORBIMAGE. Ground 2018 aerial imagery provided by AIRCRAFT.

This mapping product has been created to comply with regulatory requirements and to obtain certain regulatory approvals and, as such, may be of no reliance on the information contained hereon for any other purpose.

Whitefield to Northumberland Rebuild Project (D142)
Alteration of Terrain Permitting Plans
Whitefield, New Hampshire
Map Sheet 20 of 52

EVERSOURCE ENERGY

Stantec

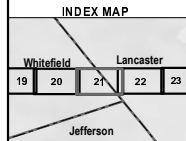
September 1, 2021



Area B
Between Structure 115-151
Map Sheets 11 to 23

Disturbance Type	Impact (s.f.)	Temporary Matting	Impact (s.f.)
New Access *	77,840	Access	116,960
Gravel Work/Pull Pad	209,762	Work/Pull Pad	184,740
Total Disturbed Area	287,602		

*12' disturbance area for gravel access



Legend

- Proposed Structure
- Existing Structure
- Overhead Eversource 115kV Line
- Overhead Eversource 36kV Line
- Existing Right-of-Way (ROW)
- Proposed Alternative Access
- Existing Access
- Suggested Erosion and Sediment Control (TYP)
- 10' Contours
- Aut-Disturbance Area-New Access
- Aut-Disturbance Area-Pad
- Temporary Upland Construction Matting
- Temporary Wetland Construction Matting
- Eversource Fee-Owned Property
- State-Owned Property
- Parcel Boundary
- Municipal Boundary
- US National Forest Lands
- Confirmed Vernal Pool Point
- Delimited Ephemeral Stream
- Delimited Intermittent Stream
- Delimited Perennial Stream
- Delimited Wetland Boundary Outline
- Field Delimited Wetland
- Confirmed Vernal Pool Exterior
- Open Water
- EMA 100-Year Flood Zone
- Floodway
- Wood Turtle Protection Area
- Heron Roosting Protection Area
- Culvert
- X-X' Fence

Note:
Coordinate System: NAD 1983 StatePlane NewHampshire FIPS 3100 Feet
Notes: All on documents developed by Stantec in 2020 in accordance with USACE Wetland Delineation Manual (2016) or other current version.
Data Source: SRTM30 PLUS, centerline, ROW, and other data provided by Eversource Energy. All features from ANTIQUITY database. Grounding 2015 aerial imagery provided by ANTIQUITY.

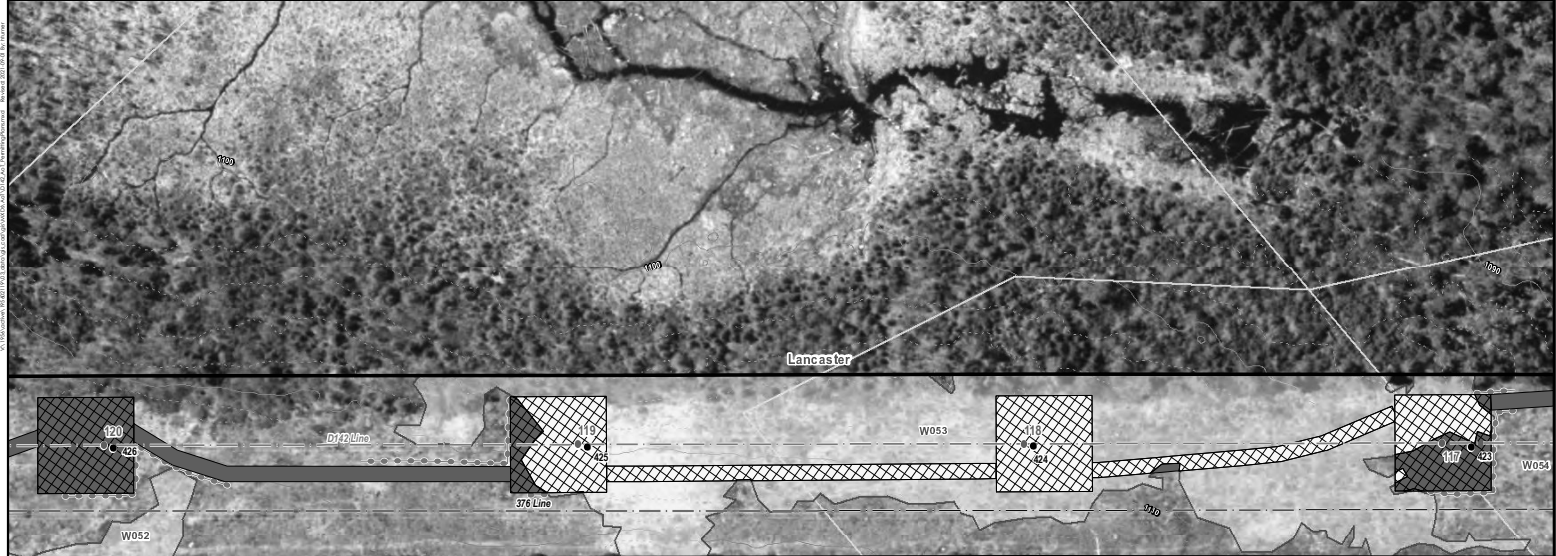
This mapping product has been created to comply with regulatory requirements to obtain certain regulatory approvals and, as such, may be of no reliance on the information contained hereon for any other purpose.

Whitefield to Northumberland Rebuild Project (D142)
Alteration of Terrain
Permitting Plans
Whitefield/Lancaster,
New Hampshire
Map Sheet 21 of 52

EVERSOURCE ENERGY

Stantec

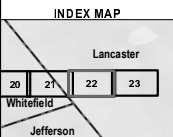
September 1, 2021



Area B
Between Structure 115-151
Map Sheets 11 to 23

Disturbance Type	Impact (s.f.)	Temporary Matting	Impact (s.f.)
New Access *	77,840	Access	116,960
Gravel Work/Pull Pad	209,762	Work/Pull Pad	184,740
Total Disturbed Area	287,602		

*12' disturbance area for gravel access



- Legend**
- Proposed Structure
 - Existing Structure
 - Overhead Eversource 115kV Line
 - Overhead Eversource 36.5kV Line
 - Existing 50-foot/100-foot ROW
 - Proposed Alternative Access
 - Existing Access
 - Suggested Erosion and Sediment Control (TYP)
 - 2' Contours
 - 10' Contours
 - Auto Disturbance Area-New Access
 - Auto Disturbance Area-Pad
 - Temporary Upland Construction Matting
 - Temporary Wetland Construction Matting
 - Eversource Fee-Owned Property
 - State-Owned Property
 - Parcel Boundary
 - Municipal Boundary
 - US National Forest Lands
 - Confirmed Vernal Pool Point
 - Delimited Ephemeral Stream
 - Delimited Intermittent Stream
 - Delimited Perennial Stream
 - Delimited Wetland Boundary Outline
 - Field Delimited Wetland
 - Confirmed Vernal Pool Outlet
 - Open Water
 - EMA 100-Year Flood Zone
 - Floodway
 - Wood Turtle Protection Area
 - Heron Roosting Protection Area
 - Culvert
 - X-X' Fence

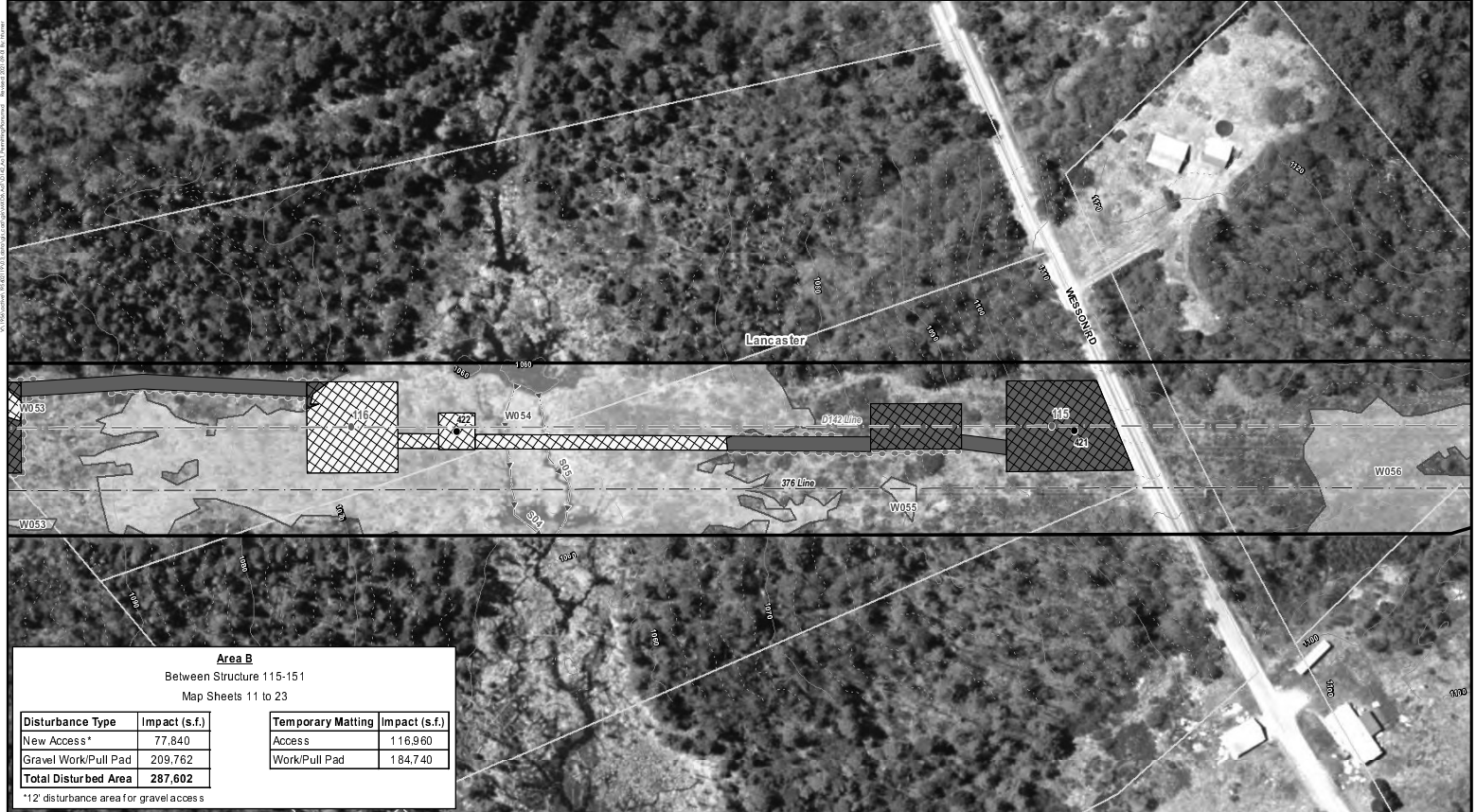
Map Notes:
 Coordinates System: NAD 1983 StatePlane New Hampshire FIPS 2003 Feet
 Notes: All on a computer as prepared by Stantec in 2023 in accordance with USACE Wetland Delineation Manual (2008) or other current version.
 Data Source: Survey, contours, ROW, and aerial data provided by Eversource Energy. Aerial photos from AIRCRAFT/ORBIMAGE. Ground 2018 aerial imagery provided by AIRCRAFT.
 This mapping product has been created to comply with regulatory requirements to obtain certain regulatory approvals and, as such, may be of no reliance on the information contained hereon for any other purpose.



Whitefield to Northumberland Rebuild Project (D142)
Alteration of Terrain Permitting Plans
 Lancaster, New Hampshire
 Map Sheet 22 of 52

EVERSOURCE ENERGY

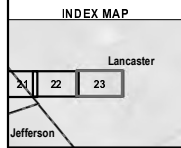
September 1, 2021



Area B
Between Structure 115-151
Map Sheets 11 to 23

Disturbance Type	Impact (s.f.)	Temporary Matting	Impact (s.f.)
New Access *	77,840	Access	116,960
Gravel Work/Pull Pad	209,762	Work/Pull Pad	184,740
Total Disturbed Area	287,602		

*12' disturbance area for gravel access



Legend

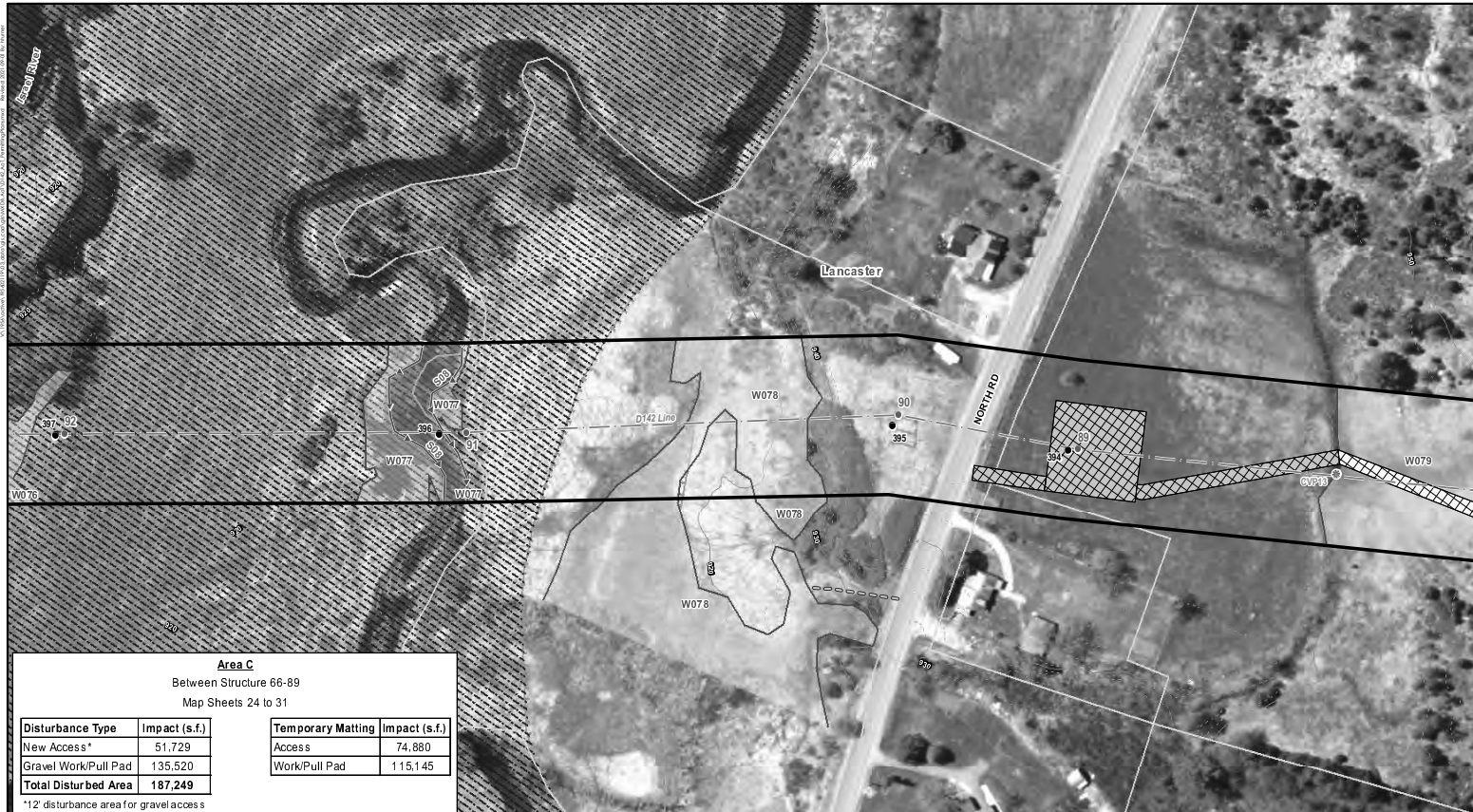
Proposed Structure	Proposed Structure	Proposed Structure	Proposed Structure
Existing Structure	Existing Structure	Existing Structure	Existing Structure
Overhead Eversource 115kV Line	Overhead Eversource 115kV Line	Overhead Eversource 115kV Line	Overhead Eversource 115kV Line
Overhead Eversource 34.5kV Line	Overhead Eversource 34.5kV Line	Overhead Eversource 34.5kV Line	Overhead Eversource 34.5kV Line
Existing 50-foot/way (ROW)	Existing 50-foot/way (ROW)	Existing 50-foot/way (ROW)	Existing 50-foot/way (ROW)
Proposed Alternative Access	Proposed Alternative Access	Proposed Alternative Access	Proposed Alternative Access
Existing Access	Existing Access	Existing Access	Existing Access
Supposed Erosion and Sediment Control (TYP)	Supposed Erosion and Sediment Control (TYP)	Supposed Erosion and Sediment Control (TYP)	Supposed Erosion and Sediment Control (TYP)
2' Contours	2' Contours	2' Contours	2' Contours
10' Contours	10' Contours	10' Contours	10' Contours
AdT Disturbance Area- New Access	AdT Disturbance Area- Pad	Temporary Upland Construction Matting	Temporary Wetland Construction Matting
Eversource Fee-Owned Property	State-Owned Property	Parcel Boundary	Municipal Boundary
US National Forest Lands	Confirmed Vernal Pool Point	Delimited Ephemeral Stream	Delimited Intermittent Stream
Delimited Perennial Stream	Delimited Potential Stream	Delimited Wetland Boundary Outline	Field Delimited Wetland
Confirmed Vernal Pool Exterior	Open Water	EMA 100-Year Flood Zone	Floodway
Wood Turtle Protection Area	Heron Rookery Protection Area	Culvert	X-X Fence

Map Notes:
 Coordinate System: NAD 1983 StatePlane New Hampshire FIPS 3100 Feet
 Notes: Work on this map was prepared by Stantec in 2020 in accordance with 16-ACEC Wetland Determination Manual (16-01) or other current version.
 Data Sources: Structure, centerline, ROW, and address data provided by Eversource Energy. Blue features from ANNOUANTZ database. Groundmap 2018 aerial imagery provided by AIG GROUP.
 This mapping product has been created to comply with regulatory requirements and to obtain certain regulatory approvals and, as such, may be in reliance on the information contained hereon for other purposes.

Whitefield to Northumberland Rebuild Project (D142)
Alteration of Terrain Permitting Plans
 Lancaster, New Hampshire
 Map Sheet 23 of 52

EVERSOURCE ENERGY

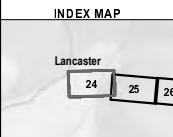
September 1, 2021



Area C
Between Structure 66-89
Map Sheets 24 to 31

Disturbance Type	Impact (s.f.)	Temporary Matting	Impact (s.f.)
New Access*	51,729	Access	74,880
Gravel Work/Pull Pad	135,520	Work/Pull Pad	115,145
Total Disturbed Area	187,249		

*12' disturbance area for gravel access



- Legend**
- Proposed Structure
 - Existing Structure
 - Overhead Eversource 115kv Line
 - Overhead Eversource 35kv Line
 - Existing 50-foot/way (ROW)
 - Proposed Alternative Access
 - Existing Access
 - Suggested Erosion and Sediment Control (TYP)
 - Z Contours
 - 10' Contours
 - Adt Disturbance Area- New Access
 - Adt Disturbance Area- Pad
 - Temporary Upland Construction Matting
 - Temporary Wetland Construction Matting
 - Eversource Fee-Owned Property
 - State-Owned Property
 - Parcel Boundary
 - Municipal Boundary
 - US National Forest Lands
 - Confirmed Vernal Pool Point
 - Delimited Ephemeral Stream
 - Delimited Intermittent Stream
 - Delimited Perennial Stream
 - Delimited Wetland Boundary Outline
 - Field Delimited Wetland
 - Confirmed Vernal Pool Exterior
 - Open Water
 - EMA 100-Year Flood Zone
 - Floodway
 - Wood Turtle Protection Area
 - Heron Roostery Protection Area
 - Culvert
 - X-X Fence

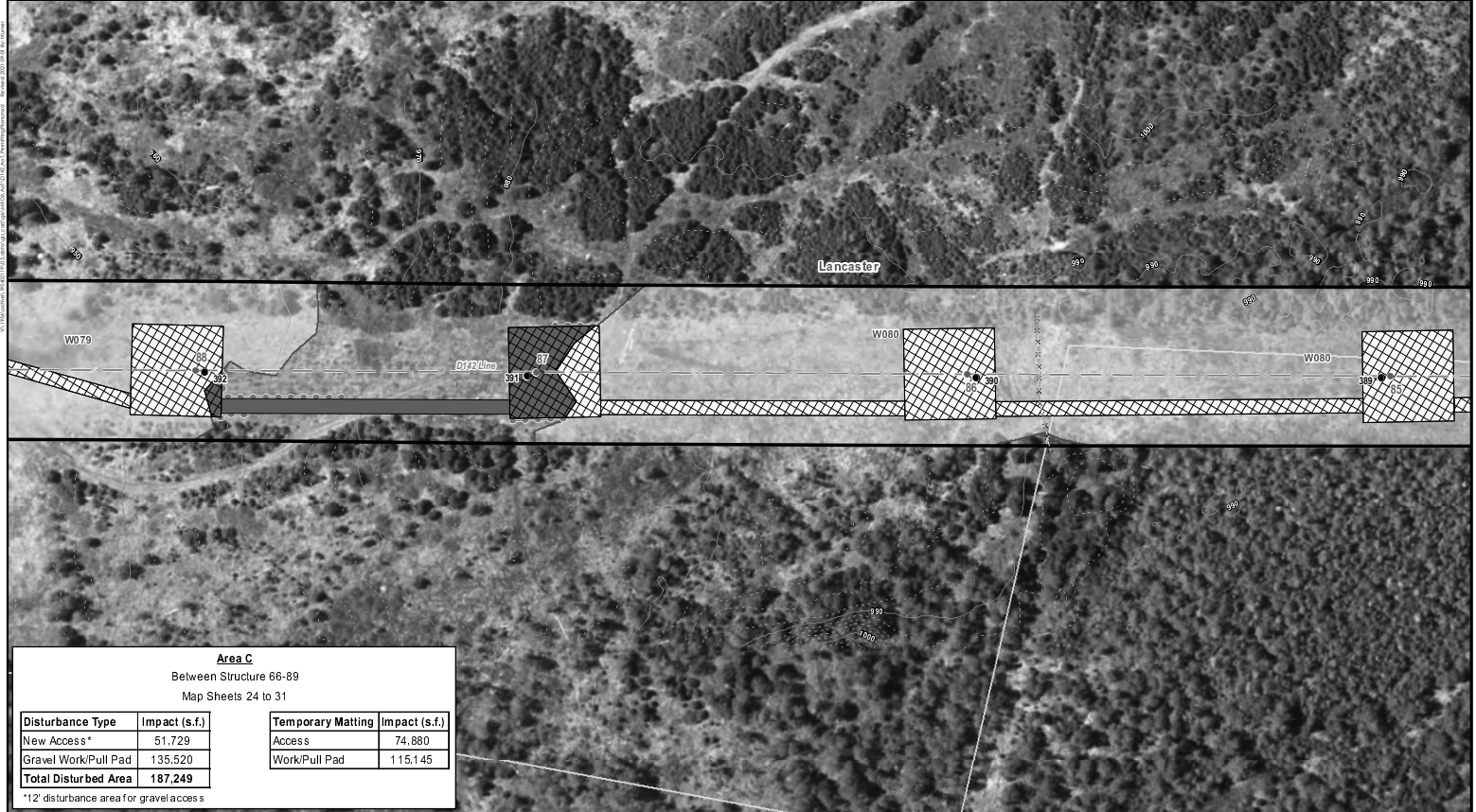
Map Notes:
 Coordinate System: NAD 1983 StatePlane New Hampshire FIPS 3505 Feet
 Notes: All work shown is as proposed by Stantec in 2020 in accordance with 16-ACEE Wetland Delineation Manual (16-08) or other current version.
 Data Source: Survey, centerline, ROW, and aerial data provided by Eversource Energy. Aerial photos from AIRCRAFT/ORBIMAGE, GEARMAP, 2018 aerial imagery provided by AIRCRAFT.

This mapping product has been created to comply with regulatory requirements to obtain certain regulatory approvals and, as such, may be of no reliance on the information contained hereon for any other purpose.

Whitefield to Northumberland Rebuild Project (D142)
Alteration of Terrain Permitting Plans
 Lancaster, New Hampshire
 Map Sheet 24 of 52

EVERSOURCE ENERGY

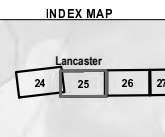
September 1, 2021



Area C
Between Structure 66-89
Map Sheets 24 to 31

Disturbance Type	Impact (s.f.)	Temporary Matting	Impact (s.f.)
New Access *	51,729	Access	74,880
Gravel Work/Pull Pad	135,520	Work/Pull Pad	115,145
Total Disturbed Area	187,249		

*12' disturbance area for gravel access



- Legend**
- Proposed Structure
 - Existing Structure
 - Overhead Eversource 115kV Line
 - Overhead Eversource 34.5kV Line
 - Existing 50' Right-of-Way (ROW)
 - Proposed Alternative Access
 - Existing Access
 - Suggested Erosion and Sediment Control (TYP)
 - 10' Contours
 - AdT Disturbance Area- New Access
 - AdT Disturbance Area- Pad
 - Temporary Upland Construction Matting
 - Temporary Wetland Construction Matting
 - Eversource Fee-Owned Property
 - State-Owned Property
 - Parcel Boundary
 - Municipal Boundary
 - US National Forest Lands
 - Confirmed Vernal Pool Point
 - Delimited Ephemeral Stream
 - Delimited Intermittent Stream
 - Delimited Perennial Stream
 - Delimited Wetland Boundary Outline
 - Field Delimited Wetland
 - Confirmed Vernal Pool Egress
 - Open Water
 - EMA 100-Year Flood Zone
 - Floodway
 - Wood Turtle Protection Area
 - Heron Rookery Protection Area
 - Culvert
 - Fence

Map Notes:
 Coordinates System: NAD 1983 StatePlane New Hampshire FIPS 3100 Feet
 Notes: Wetland boundaries delineated by Stantec in 2020 in accordance with USACE Wetland Delineation Manual (5850) or other current version.
 Data Sources: Structure, centerline, ROW, and address data provided by Eversource Energy. Blue features from ANNOUANTZCAD.com. Groundcover data imagery provided by AIRCRAFT.

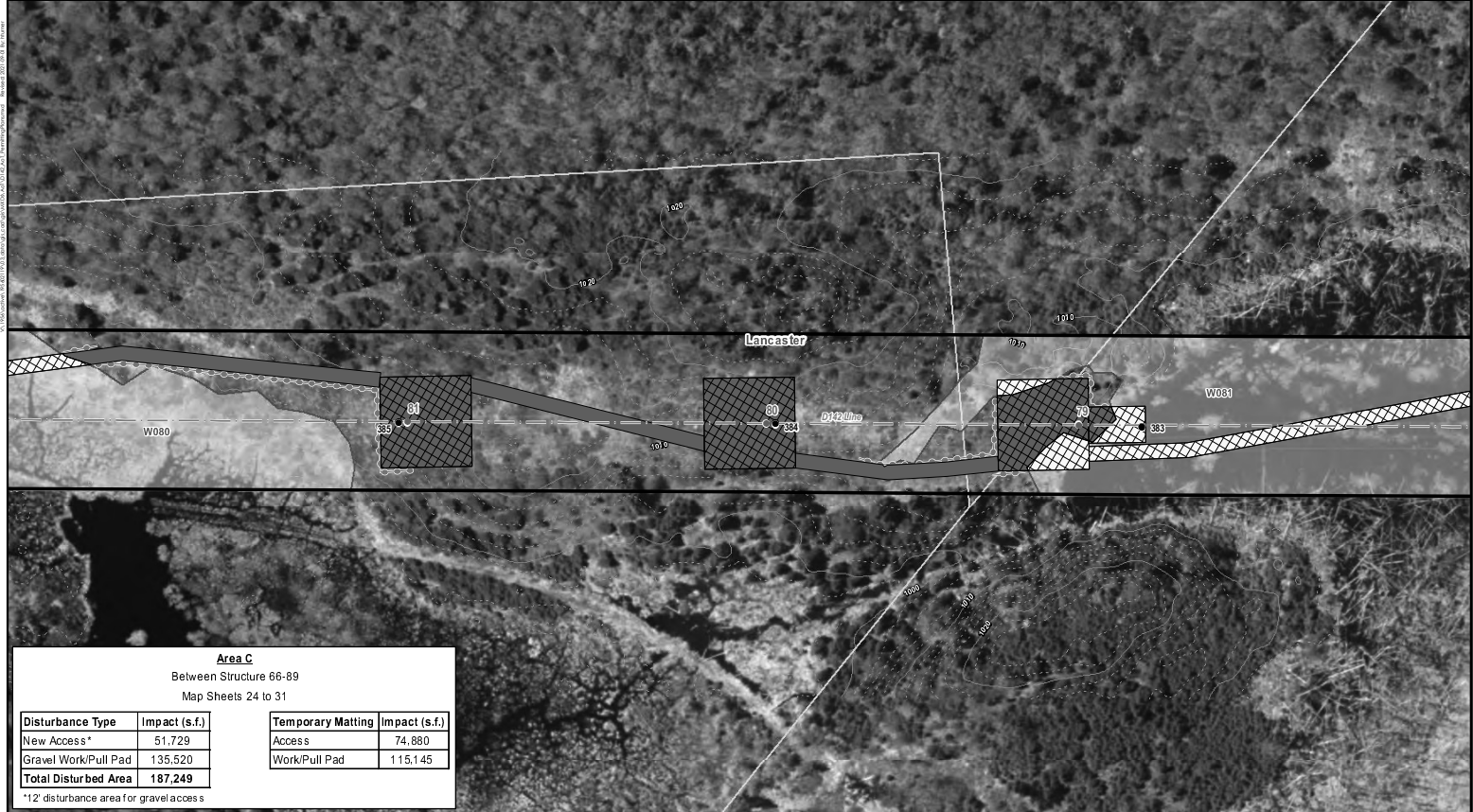
This mapping product has been created to comply with regulatory requirements to obtain certain regulatory approvals and, as such, may be of limited use for information considered unrelated to other purposes.

Whitefield to Northumberland Rebuild Project (D142) Alteration of Terrain Permitting Plans
 Lancaster, New Hampshire
 Map Sheet 25 of 52

EVERSOURCE ENERGY

Stantec

September 1, 2021



Area C
Between Structure 66-89
Map Sheets 24 to 31

Disturbance Type	Impact (s.f.)	Temporary Matting	Impact (s.f.)
New Access *	51,729	Access	74,880
Gravel Work/Pull Pad	135,520	Work/Pull Pad	115,145
Total Disturbed Area	187,249		

*12' disturbance area for gravel access

INDEX MAP

Lancaster

25	26	27	28	29
----	----	----	----	----

Legend

- Proposed Structure
- Existing Structure
- Overhead Eversource 115kV Line
- Overhead Eversource 35kV Line
- Existing 50' Road/Way (ROW)
- Proposed Alternative Access
- Existing Access
- Suggested Erosion and Sediment Control (TYP)
- 10' Contours
- AdT Disturbance Area- New Access
- AdT Disturbance Area- Pad
- Temporary Upland Construction Matting
- Temporary Wetland Construction Matting
- Eversource Fee-Owned Property
- State-Owned Property
- Parcel Boundary
- Municipal Boundary
- US National Forest Lands
- Confirmed Vernal Pool Point
- Delimited Ephemeral Stream
- Delimited Intermittent Stream
- Delimited Perennial Stream
- Delimited Wetland Boundary Outline
- Field Delimited Wetland
- Confirmed Vernal Pool Exterior
- Open Water
- EMA 100-Year Flood Zone
- Flowway
- Wood Turtle Protection Area
- Heron Roostery Protection Area
- Culvert
- X-X Fence

Map Note:
Geographic System: NAD 1983 StatePlane NewHampshire FIPS 3100 Feet
Notes: All on documents developed by Stantec in 2020 in accordance with USACE Wetland Delineation Manual (2016) or other current version.
Data Sources: Survey, centerline, ROW, and other data provided by Eversource Energy. Aerial photos from AIRCRAFT/ORBIMAGE. Ground 2018 aerial imagery provided by AIRCRAFT.

This mapping product has been created to comply with regulatory requirements to obtain certain regulatory approvals and, as such, may be of no reliance on the information contained hereon for any other purpose.

Whitefield to Northumberland Rebuild Project (D142)
Alteration of Terrain Permitting Plans
Lancaster, New Hampshire
Map Sheet 27 of 52

EVERSOURCE ENERGY

Stantec

September 1, 2021



Area C
Between Structure 66-89
Map Sheets 24 to 31

Disturbance Type	Impact (s.f.)	Temporary Matting	Impact (s.f.)
New Access *	51,729	Access	74,880
Gravel Work/Pull Pad	135,520	Work/Pull Pad	115,145
Total Disturbed Area	187,249		

*12' disturbance area for gravel access

INDEX MAP

Lancaster

26	27	28	29	30
----	----	----	----	----

Legend

- Proposed Structure
- Existing Structure
- Overhead Eversource 115kV Line
- Overhead Eversource 36.5kV Line
- Existing 50-foot/way (ROW)
- Proposed Alternative Access
- Existing Access
- Suggested Erosion and Sediment Control (TYP)
- 2' Contours
- 10' Contours
- 10' Disturbance Area- New Access
- 10' Disturbance Area- Pad
- Temporary Upland Construction Matting
- Temporary Wetland Construction Matting
- Eversource Fee-Owned Property
- State-Owned Property
- Parcel Boundary
- Municipal Boundary
- US National Forest Lands
- Confirmed Vernal Pool Point
- Delimited Ephemeral Stream
- Delimited Intermittent Stream
- Delimited Perennial Stream
- Delimited Wetland Boundary Outline
- Field Delimited Wetland
- Confirmed Vernal Pool Outlet
- Open Water
- EMA 100-Year Flood Zone
- Floodway
- Wood Turtle Protection Area
- Heron Roostery Protection Area
- Culvert
- X-X Fence

Note:
Coordinates System: NAD 1983 StatePlane New Hampshire FIPS 3100 Feet
Notes: Work on this project as directed by Stantec in 2020 in accordance with 16-0000 Wetland Determination Manual (16-0000) or other current version. ROW and abutment data provided by Eversource Energy. All other data from ANNOUANT/2020/0000/0000/0000 aerial imagery provided by ANNOUANT.

This mapping product has been created to comply with regulatory requirements to obtain certain regulatory approvals and, as such, may be not suitable for other information contained hereon for other purposes.

Whitefield to Northumberland Rebuild Project (D142)
Alteration of Terrain Permitting Plans
Lancaster, New Hampshire
Map Sheet 28 of 52

EVERSOURCE ENERGY

Stantec

September 1, 2021



Disturbance Type	Impact (s.f.)	Temporary Matting	Impact (s.f.)
New Access *	51,729	Access	74,880
Gravel Work/Pull Pad	135,520	Work/Pull Pad	115,145
Total Disturbed Area	187,249		

*12' disturbance area for gravel access

INDEX MAP

Lancaster

27	28	29	30	31
----	----	----	----	----

Legend

- Proposed Structure
- Existing Structure
- Overhead Eversource 115kV Line
- Overhead Eversource 35kV Line
- Existing 36' Road/Way (ROW)
- Proposed Alternative Access
- Existing Access
- Suggested Erosion and Sediment Control (TYP)
- Z Contours
- 10' Contours
- Aut Disturbance Area-New Access
- Aut Disturbance Area-Pad
- Temporary Upland Construction Matting
- Temporary Wetland Construction Matting
- Eversource Fee-Owned Property
- State-Owned Property
- Parcel Boundary
- Municipal Boundary
- US National Forest Lands
- Confirmed Vernal Pool Point
- Delimited Ephemeral Stream
- Delimited Intermittent Stream
- Delimited Perennial Stream
- Delimited Wetland Boundary Outline
- Field Delimited Wetland
- Confirmed Vernal Pool Egress
- Open Water
- EMA 100-Year Flood Zone
- Floodway
- Wood Turtle Protection Area
- Heron Rookery Protection Area
- Culvert
- Fence

Map Notes:
Coordinate System: NAD 1983 StatePlane NewHampshire FIPS 3100 Feet
Notes: All on a computer as prepared by Stantec in 2020 in accordance with USACE Wetland Delineation Manual (2008) or other current version. A. Data Source: Structure, centerline, ROW, and aerial data provided by Eversource Energy. Blue features from ANTIQUITY database. Grounding 2018 aerial imagery provided by ANTIQUITY.
This mapping product has been created to comply with regulatory requirements to obtain certain regulatory approvals and, as such, may be in reliance on the information contained hereon for other purposes.

Whitefield to Northumberland Rebuild Project (D142) Alteration of Terrain Permitting Plans
Lancaster, New Hampshire
Map Sheet 29 of 52

EVERSOURCE ENERGY

Stantec

September 1, 2021



Area C
Between Structure 66-89
Map Sheets 24 to 31

Disturbance Type	Impact (s.f.)	Temporary Matting	Impact (s.f.)
New Access *	51,729	Access	74,880
Gravel Work/Pull Pad	135,520	Work/Pull Pad	115,145
Total Disturbed Area	187,249		

*12' disturbance area for gravel access

INDEX MAP

Lancaster

28	29	30	31	32
----	----	----	----	----

Legend

- Proposed Structure
- Existing Structure
- Overhead Eversource 115kV Line
- Overhead Eversource 35kV Line
- Existing 50-foot/way (ROW)
- Proposed Alternative Access
- Existing Access
- Suggested Erosion and Sediment Control (TYP)
- 2' Contours
- 10' Contours
- AdT Disturbance Area- New Access
- AdT Disturbance Area- Pad
- Temporary Upland Construction Matting
- Temporary Wetland Construction Matting
- Eversource Fee-Owned Property
- State-Owned Property
- Parcel Boundary
- Municipal Boundary
- US National Forest Lands
- Confirmed Vernal Pool Point
- Delimited Ephemeral Stream
- Delimited Intermittent Stream
- Delimited Perennial Stream
- Delimited Wetland Boundary Outline
- Field Delimited Wetland
- Confirmed Vernal Pool Extreme
- Open Water
- EMA 100-Year Flood Zone
- Floodway
- Wood Turtle Protection Area
- Heron Roosting Protection Area
- Culvert
- X-X' Fence

Map Notes:
 Coordinate System: NAD 1983 StatePlane New Hampshire FIPS 3100 Feet
 Notes: All on documents developed by Stantec in 2020 in accordance with USACE Wetland Delineation Manual (1988) or other current version.
 OVERLAP SECTION: centerline, ROW, and abutment data provided by Eversource Energy. All features from ANNOUANTZ database. Geotag: 2020 aerial imagery provided by AIR GRANT.

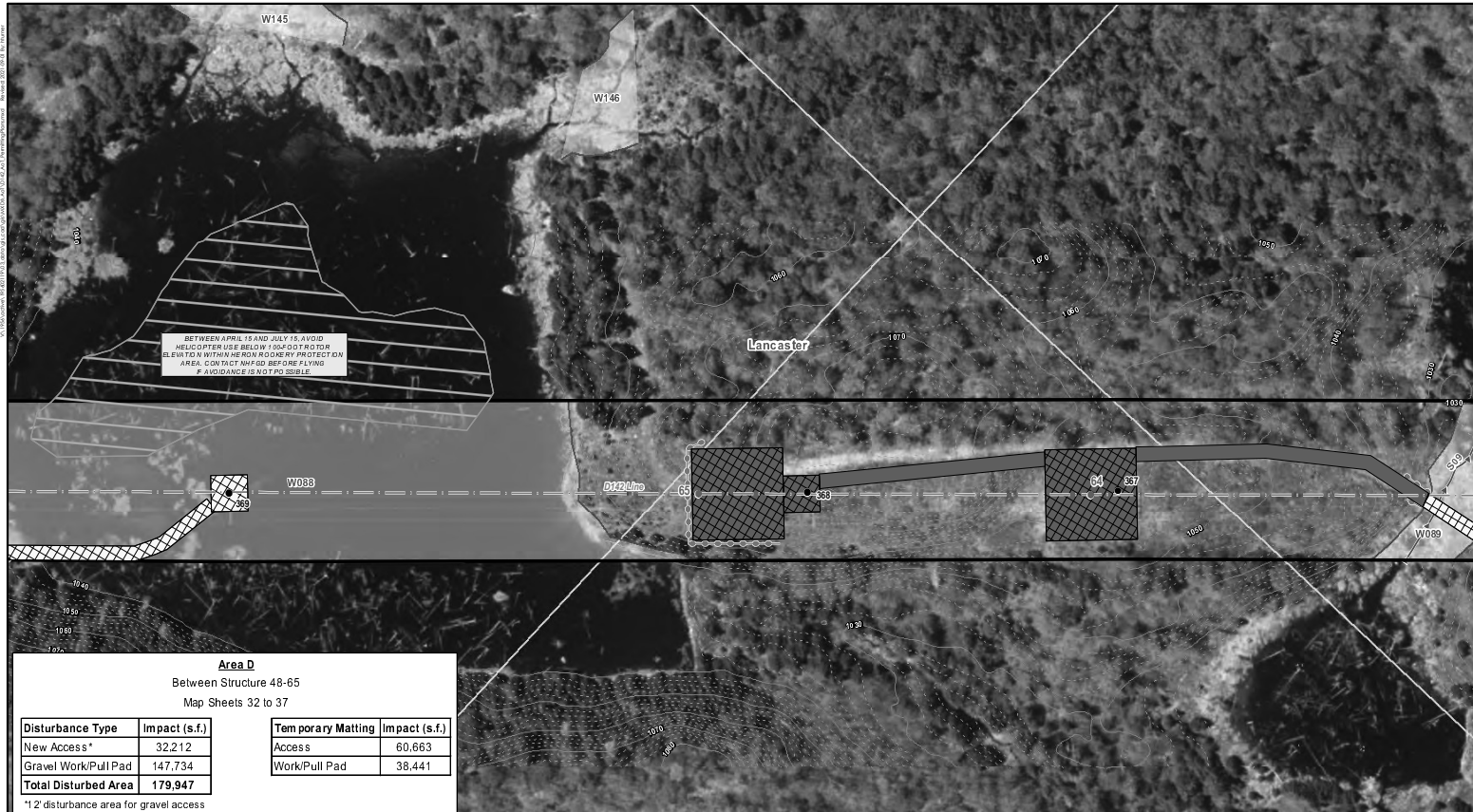
This mapping product has been created to comply with regulatory requirements to obtain certain regulatory approvals and, as such, may be of no reliance on the information contained hereon for any other purpose.

Whitefield to Northumberland Rebuild Project (D142)
Alteration of Terrain Permitting Plans
 Lancaster, New Hampshire
 Map Sheet 30 of 52

EVERSOURCE ENERGY

Stantec

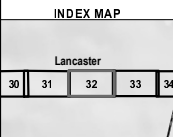
September 1, 2021



Area D
Between Structure 48-65
Map Sheets 32 to 37

Disturbance Type	Impact (s.f.)	Temporary Matting	Impact (s.f.)
New Access*	32,212	Access	60,663
Gravel Work/Pull Pad	147,734	Work/Pull Pad	38,441
Total Disturbed Area	179,947		

*1/2' disturbance area for gravel access



Legend

Proposed Structure	● Existing Structure	Overhead Eversource 115kV Line	Overhead Eversource 35kV Line	Existing 50-foot/way (ROW)	Proposed Alternative Access	Existing Access	Proposed Erosion and Sediment Control (TYP)	2' Contours	10' Contours	Aut/D Disturbance Area- New Access	Aut/D Disturbance Area- Pad	Temporary Upland Construction Matting	Temporary Wetland Construction Matting	Eversource Fee-Owned Property	State-Owned Property	Parcel Boundary	Municipal Boundary	US National Forest Lands	Confirmed Vernal Pool Point	Delimited Ephemeral Stream	Delimited Intermittent Stream	Delimited Perennial Stream	Delimited Wetland Boundary Outline	Field Delimited Wetland	Confirmed Vernal Pool Exterior	Open Water	EMA 100-Year Flood Zone	Footway	Wood Turtle Protection Area	Heron Rookery Protection Area	Culvert	Fence
--------------------	----------------------	--------------------------------	-------------------------------	----------------------------	-----------------------------	-----------------	---	-------------	--------------	------------------------------------	-----------------------------	---------------------------------------	--	-------------------------------	----------------------	-----------------	--------------------	--------------------------	-----------------------------	----------------------------	-------------------------------	----------------------------	------------------------------------	-------------------------	--------------------------------	------------	-------------------------	---------	-----------------------------	-------------------------------	---------	-------

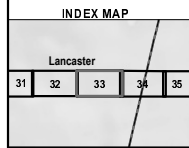
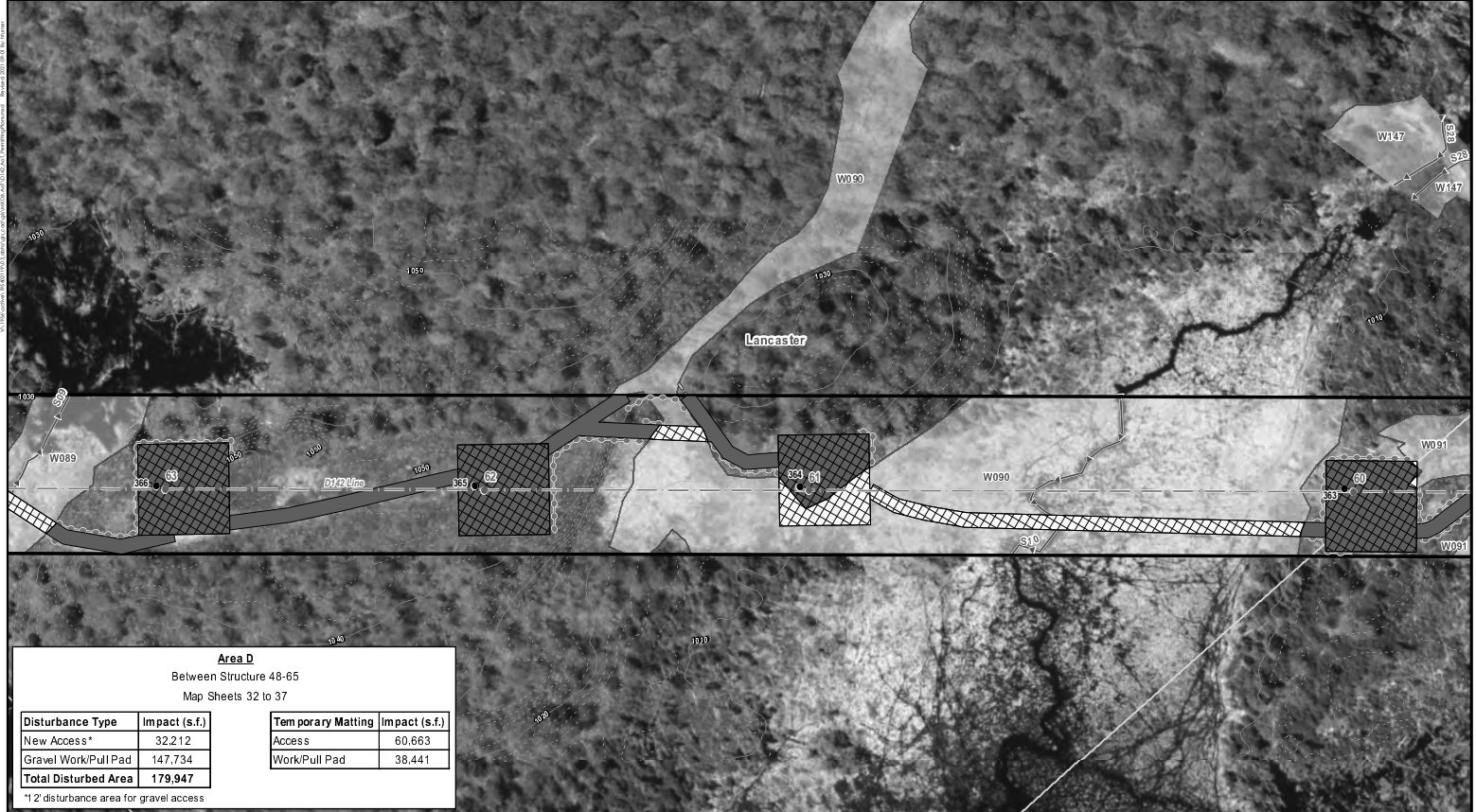
Map Notes:
 Coordinates System: NAD 1983 StatePlane New Hampshire FIPS 3100 Feet
 Notes: All on a computer as prepared by Stantec in 2020 in accordance with USACE Wetland Delineation Manual (1988) or other current version.
 Data Source: Survey, centerline, ROW, and abutment data provided by Eversource Energy. All features from ANNOUANTZ database. Ground 2018 aerial imagery provided by AIR GRANT.
 This mapping product has been created to comply with regulatory requirements to obtain certain regulatory approvals and, as such, may be in reliance on the information contained hereon for other purposes.

Whitefield to Northumberland Rebuild Project (D142) Alteration of Terrain Permitting Plans
 Lancaster, New Hampshire
 Map Sheet 32 of 52

EVERSOURCE ENERGY

Stantec

September 1, 2021



Legend

- Proposed Structure
- Existing Structure
- Overhead Eversource 115kV Line
- Overhead Eversource 35kV Line
- Existing Right-of-Way (ROW)
- Proposed Alternative Access
- Existing Access
- Suggested Erosion and Sediment Control (TYP)
- 10' Contours
- AdT Disturbance Area-New Access
- AdT Disturbance Area-Pad
- Temporary Upland Construction Matting
- Temporary Wetland Construction Matting
- Eversource Fee-Owned Property
- State-Owned Property
- Parcel Boundary
- Municipal Boundary
- US National Forest Lands
- Confirmed Vernal Pool Point
- Delimited Ephemeral Stream
- Delimited Intermittent Stream
- Delimited Perennial Stream
- Delimited Wetland Boundary Outline
- Field Delimited Wetland
- Confirmed Vernal Pool Exterior
- Open Water
- EMA 100-Year Flood Zone
- Floodway
- Wood Turtle Protection Area
- Heron Roostery Protection Area
- Culvert
- X-X Fence

Map Notes:
 Coordinates System: NAD 1983 StatePlane New Hampshire FIPS 3100 Feet
 Notes: All on documents prepared by Stantec in 2020 in accordance with USACE Wetland Delineation Manual (2008) or subsequent version.
 Data Sources: Structure, centerline, ROW, and aerial data provided by Eversource Energy. All features from ANNOUANTZ database. Ground 2018 aerial imagery provided by AIRCRAFT.

This mapping product has been created to comply with regulatory requirements and to obtain certain regulatory approvals and, as such, may be of no reliance on the information contained hereon for any other purpose.

Whitefield to Northumberland Rebuild Project (D142)
Alteration of Terrain Permitting Plans
 Lancaster, New Hampshire
 Map Sheet 33 of 52

EVERSOURCE ENERGY

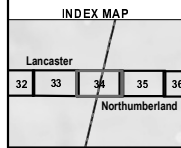
September 1, 2021



Area D
Between Structure 48-65
Map Sheets 32 to 37

Disturbance Type	Impact (s.f.)	Temporary Matting	Impact (s.f.)
New Access*	32,212	Access	60,663
Gravel Work/Pull Pad	147,734	Work/Pull Pad	38,441
Total Disturbed Area	179,947		

*1'2" disturbance area for gravel access



Legend

Proposed Structure	AdT Disturbance Area-New Access	Confirmed Wetland Pool Point	EMA 100-Year Flood Zone
Existing Structure	AdT Disturbance Area-Pad	Delined Ephemeral Stream	Floodway
Overhead Eversource 115kV Line	Temporary Upland Construction Matting	Delined Intermittent Stream	Wood Turtle Protection Area
Overhead Eversource 35kV Line	Temporary Wetland Construction Matting	Delined Perennial Stream	Heron Roostery Protection Area
Existing Right-of-Way (ROW)	Eversource Fee-Owned Property	Delined Wetland Boundary	Culvert
Proposed Alternate Access	State-Owned Property	Field Delined Wetland	X-X Fence
Existing Access	Parcel Boundary	Confined Wetland Pool Exterior	
Suggested Erosion and Sediment Control (TYP)	Municipal Boundary	Open Water	
2' Contours	US National Forest Lands		

Main Note:
Construction System: NAD 1983 StatePlane New Hampshire FIPS 3100 Feet
Notes: All work shown is designed by Stantec in 2020 in accordance with 16-ACEC Wetland Determination Manual (10/2017) or other current version. All data is current as of the date of this report. ROW and other data provided by Eversource Energy. All other data from ANTIQUITY Database. Groundwater data imagery provided by NW GRANIT.

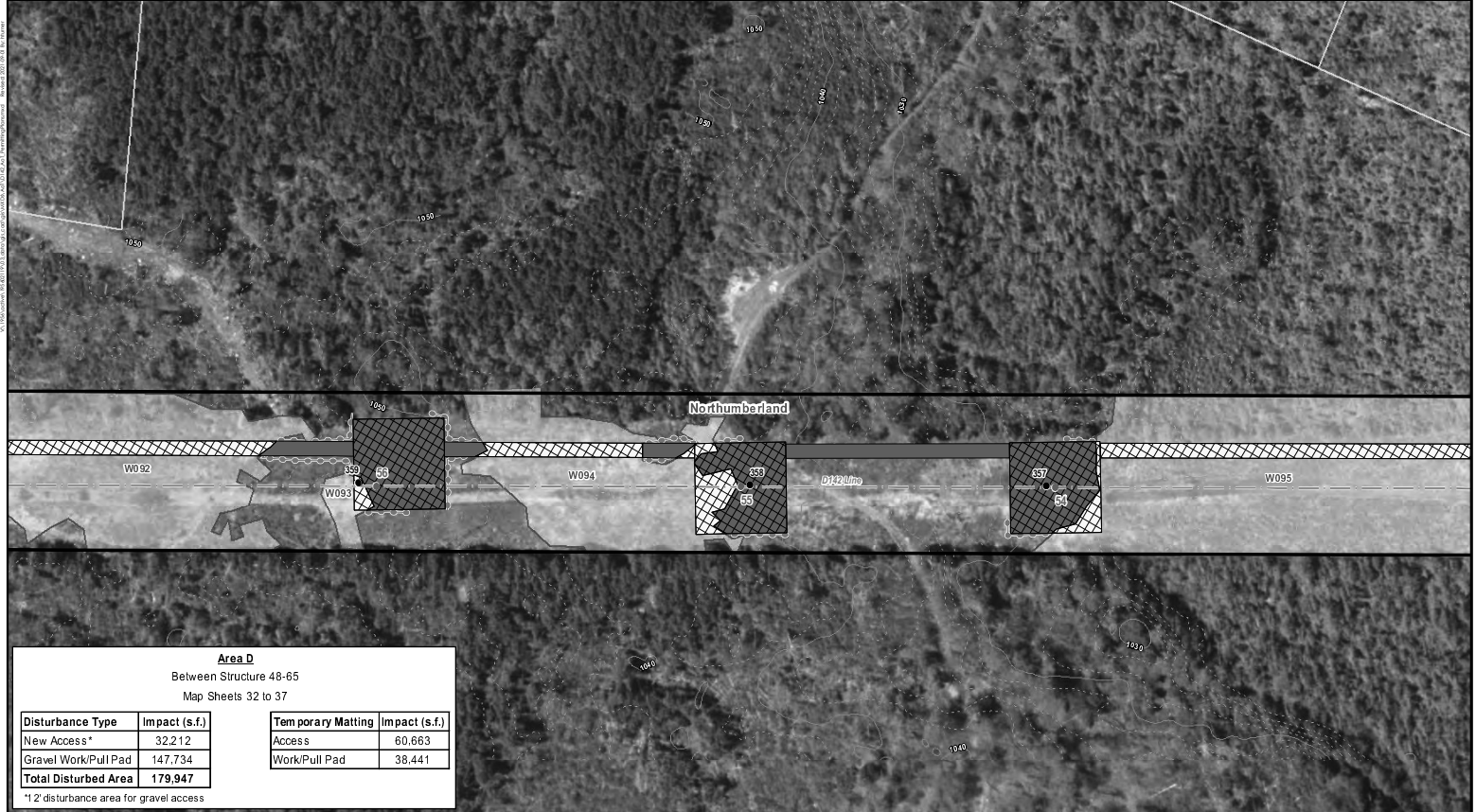
This mapping product has been created to comply with regulatory requirements to obtain certain regulatory approvals and, as such, may be in no reliance on the information contained hereon for any other purpose.

Whitefield to Northumberland Rebuild Project (D142)
Alteration of Terrain Permitting Plans
Lancaster/Northumberland, New Hampshire
Map Sheet 34 of 52

EVERSOURCE ENERGY

Stantec

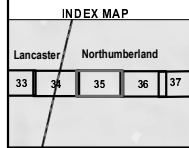
September 1, 2021



Area D
Between Structure 48-65
Map Sheets 32 to 37

Disturbance Type	Impact (s.f.)	Temporary Matting	Impact (s.f.)
New Access*	32,212	Access	60,663
Gravel Work/Pull Pad	147,734	Work/Pull Pad	38,441
Total Disturbed Area	179,947		

*1/2' disturbance area for gravel access



Legend

● Proposed Structure	■ AOT Disturbance Area- New Access	⊛ Confirmed Vernal Pool Point	⊞ FEMA 100-Year Flood Zone
○ Existing Structure	■ AOT Disturbance Area- Pad	⊞ Delimited Ephemeral Stream	⊞ Floodway
— Overhead Eversource 115kv Line	⊞ Temporary Upland Construction Matting	⊞ Delimited Intermittent Stream	⊞ Wood Turtle Protection Area
— Overhead Eversource 35 kv Line	⊞ Temporary Wetland Construction Matting	⊞ Delimited Perennial Stream	⊞ Heron Roosting Protection Area
— Existing Right-of-Way (ROW)	⊞ Eversource Fee-Owned Property	⊞ Delimited Wetland Boundary	● Culvert
⊞ Proposed Alternative Access	⊞ State-Owned Property	⊞ Delimited Wetland Boundary Outline	— X-X Fence
⊞ Existing Access	⊞ Parcel Boundary	⊞ Field Delimited Wetland	
⊞ Suggested Erosion and Sediment Control (TYP)	⊞ Municipal Boundary	⊞ Confirmed Vernal Pool Exterior	
⊞ 2' Contours	⊞ US National Forest Lands	⊞ Open Water	

Main Notes:
Coordinate System: NAD 1983 StatePlane New Hampshire FIPS 3100 Feet
Notes: All work shown is as proposed by Stantec in 2023 in accordance with USACE Wetland Delineation Manual (1988) or other relevant criteria.
Data Source: Survey, centerline, ROW, and aerial data provided by Eversource Energy. Aerial photos from AIRCRAFT/ORBIMAGE. Ground truth data imagery provided by AIRCRAFT.

This mapping product has been created to comply with regulatory requirements and to obtain certain regulatory approvals and, as such, may be in reliance on the information contained hereon for other purposes.

Whitefield to Northumberland Rebuild Project (D142)
Alteration of Terrain Permitting Plans
Northumberland, New Hampshire
Map Sheet 35 of 52

EVERSOURCE ENERGY

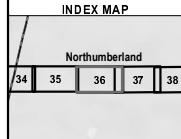
September 1, 2021



Area D
Between Structure 48-65
Map Sheets 32 to 37

Disturbance Type	Impact (s.f.)	Temporary Matting	Impact (s.f.)
New Access*	32,212	Access	60,663
Gravel Work/Pull Pad	147,734	Work/Pull Pad	38,441
Total Disturbed Area	179,947		

*1/2' disturbance area for gravel access



Legend

● Proposed Structure	■ AotD Disturbance Area- New Access	☼ Confirmed Vernal Pool Point	⊕ EMA 100-Year Flood Zone
● Existing Structure	■ AotD Disturbance Area- Pad	⊕ Delined Ephemeral Stream	⊕ Floodway
— Overhead Eversource 115kV Line	⊕ Temporary Upland Construction Matting	⊕ Delined Intermittent Stream	⊕ Wood Turtle Protection Area
— Overhead Eversource 35kV Line	⊕ Temporary Wetland Construction Matting	⊕ Delined Perennial Stream	⊕ Heron Roosting Protection Area
— Existing 50' Road/Way (ROW)	⊕ Eversource Fee-Owned Property	⊕ Delined Wetland Boundary	⊕ Culvert
⊕ Proposed Alternative Access	⊕ State-Owned Property	⊕ Field Delined Wetland	⊕ X-X Fence
⊕ Existing Access	⊕ Parcel Boundary	⊕ Confirmed Vernal Pool Extent	
⊕ Suspended Erosion and Sediment Control (TYP)	⊕ Municipal Boundary	⊕ Open Water	
⊕ 2' Contours	⊕ US National Forest Lands		
⊕ 10' Contours			

Map Notes:
 Coordinates System: NAD 1983 StatePlane NewHampshire FIPS 3103 Feet
 Notes: All on a coordinate system provided by Stantec in 2020 in accordance with USACE Wetland Delineation Manual (1988) or other current version.
 Data Source: Structure, centerline, ROW, and abutment data provided by Eversource Energy. All other data from ANGRANT/Carroll. Ground 2018 aerial imagery provided by ANGRANT.

This mapping product has been created to comply with regulatory requirements to obtain certain regulatory approvals and, as such, may be in no reliance on the information contained hereon for any other purpose.

Whitefield to Northumberland Rebuild Project (D142)
Alteration of Terrain
 Permitting Plans
 Northumberland, New Hampshire
 Map Sheet 36 of 52

EVERSOURCE ENERGY

September 1, 2021



Area E
Between Structure 19-47
Map Sheets 38 to 46

Disturbance Type	Impact (s.f.)	Temporary Matting	Impact (s.f.)
New Access*	81,311	Access	66,972
Gravel Work/Pull Pad	229,819	Work/Pull Pad	87,373
Total Disturbed Area	311,131		

*1'2" disturbance area for gravel access

INDEX MAP

Northumberland			
36	37	38	39
		40	

- Legend**
- Proposed Structure
 - Existing Structure
 - Overhead Eversource 115kV Line
 - Overhead Eversource 36.5kV Line
 - Existing Right-of-Way (ROW)
 - Proposed Alternate Access
 - Existing Access
 - Suggested Erosion and Sediment Control (TYP)
 - 2' Contours
 - 10' Contours
 - Aut Disturbance Area- New Access
 - Aut Disturbance Area- Pad
 - Temporary Upland Construction Matting
 - Temporary Wetland Construction Matting
 - Eversource Fee-Owned Property
 - State-Owned Property
 - Parcel Boundary
 - Municipal Boundary
 - US National Forest Lands
 - Confirmed Vernal Pool Point
 - Delimited Ephemeral Stream
 - Delimited Intermittent Stream
 - Delimited Perennial Stream
 - Delimited Wetland Boundary Outline
 - Field Delimited Wetland
 - Confirmed Vernal Pool Exterior
 - Open Water
 - EMA 100-Year Flood Zone
 - Flowway
 - Wood Turtle Protection Area
 - Heron Roosting Protection Area
 - Culvert
 - X-X Fence

Map Notes:
 Construction System: NAD 1983 StatePlane New Hampshire FIPS 3100 Feet
 Notes: Work on this project as delineated by Stantec in 2020 in accordance with 16-ACE Wetland Delineation Manual (16-01) or subsequent revision.
 Data Sources: Structure, centerline, ROW, and aerial data provided by Eversource Energy. Aerial photos from AIRCRAFT/ORBIMAGE. Ground 2018 aerial imagery provided by AIRCRAFT.

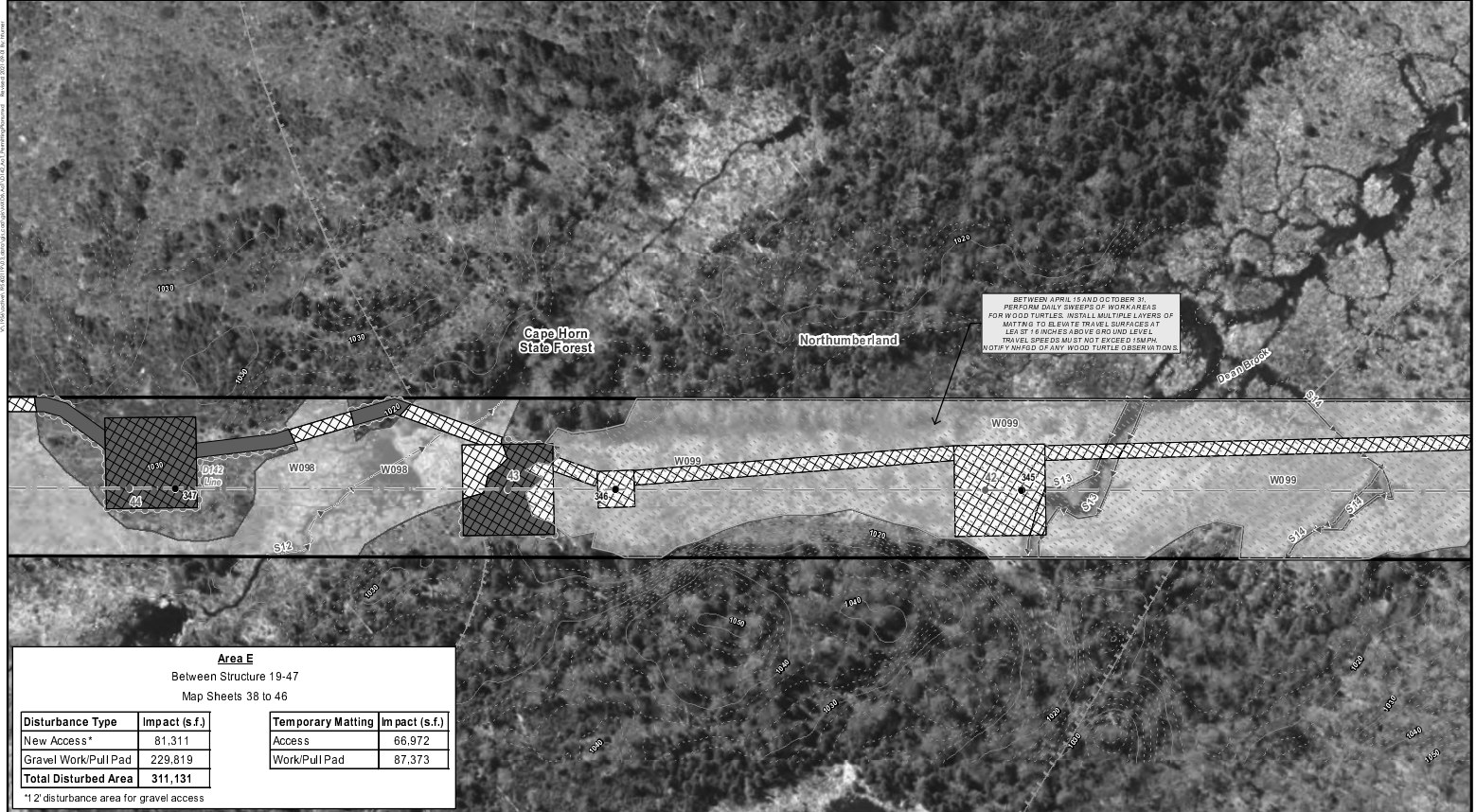
This mapping product has been created to comply with regulatory requirements to obtain certain regulatory approvals and, as such, may be of limited use for other information contained hereon for other purposes.

Whitefield to Northumberland Rebuild Project (D142)
Alteration of Terrain Permitting Plans
 Northumberland, New Hampshire
 Map Sheet 38 of 52

EVERSOURCE ENERGY

Stantec

September 1, 2021

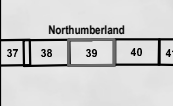


Area E
Between Structure 19-47
Map Sheets 38 to 46

Disturbance Type	Impact (s.f.)	Temporary Matting	Impact (s.f.)
New Access*	81,311	Access	66,972
Gravel Work/Pull Pad	229,819	Work/Pull Pad	87,373
Total Disturbed Area	311,131		

*1/2' disturbance area for gravel access

INDEX MAP



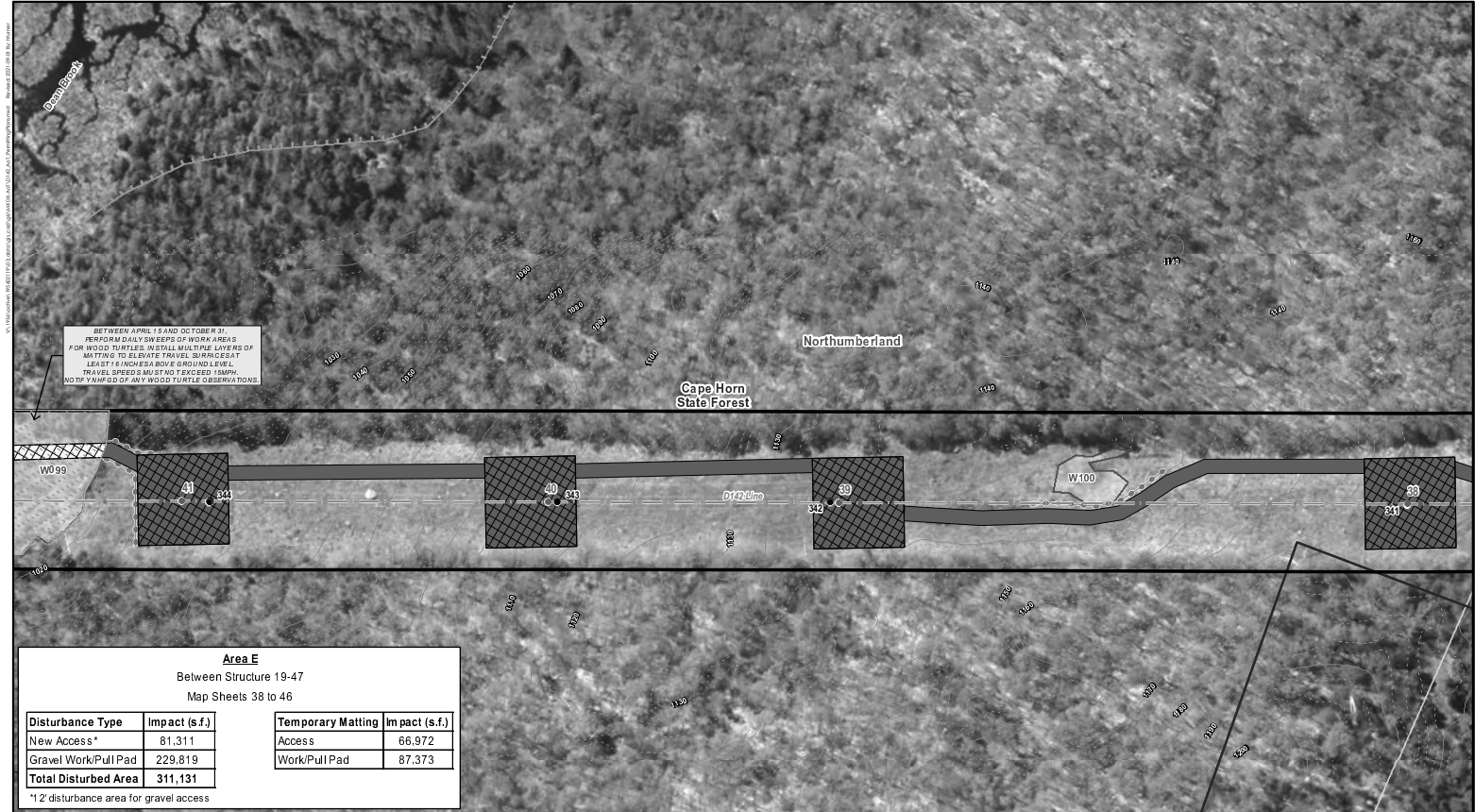
Legend

- Proposed Structure
- Existing Structure
- Overhead Eversource 115kV Line
- Overhead Eversource 36.5kV Line
- Existing 6' Right-of-Way (ROW)
- Proposed Alternative Access
- Existing Access
- Suggested Erosion and Sediment Control (TYP)
- 2' Contours
- 10' Contours
- Aut Disturbance Area- New Access
- Aut Disturbance Area- Pad
- Temporary Upland Construction Matting
- Temporary Wetland Construction Matting
- Eversource Fee-Owned Property
- State-Owned Property
- Parcel Boundary
- Municipal Boundary
- US National Forest Lands
- Confirmed Vernal Pool Point
- Delimited Ephemeral Stream
- Delimited Intermittent Stream
- Delimited Perennial Stream
- Delimited Wetland Boundary Outline
- Field Delimited Wetland
- Confirmed Vernal Pool Exterior
- Open Water
- EMA 100-Year Flood Zone
- Floodway
- Wood Turtle Protection Area
- Heron Roostery Protection Area
- Culvert
- X-X' Fence

Map Notes:
 Coordinate System: NAD 1983 StatePlane New Hampshire FIPS 3100 Feet
 Notes: All work shown is as proposed by Stantec in 2020 in accordance with USACE Wetland Delineation Manual (2008) or other current version. All data is as of 9/1/2020. Contour lines, centerline, ROW, and other data provided by Eversource Energy. All other data from ANTIQUITY Database. Ground 2018 aerial imagery provided by AIR GRAPHIC.
 This mapping product has been created to comply with regulatory requirements to obtain certain regulatory approvals and, as such, may be in no reliance on the information contained hereon for any other purpose.

Whitefield to Northumberland Rebuild Project (D142)
Alteration of Terrain Permitting Plans
 Northumberland, New Hampshire
 Map Sheet 39 of 52

EVERSOURCE ENERGY
Stantec
 September 1, 2021



Area E
Between Structure 19-47
Map Sheets 38 to 46

Disturbance Type	Impact (s.f.)	Temporary Matting	Impact (s.f.)
New Access*	81,311	Access	66,972
Gravel Work/Pul Pad	229,819	Work/Pul Pad	87,373
Total Disturbed Area	311,131		

*1/2' disturbance area for gravel access

INDEX MAP

Northumberland

38	39	40	41	42
----	----	----	----	----

Legend

- Proposed Structure
- Existing Structure
- Overhead Eversource 115kV Line
- Overhead Eversource 36.5kV Line
- Existing 56' Road/Way (ROW)
- Proposed Alternative Access
- Existing Access
- Suggested Erosion and Sediment Control (TYP)
- 2' Contours
- 10' Contours
- Aut Disturbance Area-New Access
- Aut Disturbance Area-Pad
- Temporary Upland Construction Matting
- Temporary Wetland Construction Matting
- Eversource Fee-Owned Property
- State-Owned Property
- Parcel Boundary
- Municipal Boundary
- US National Forest Lands
- Confirmed Vernal Pool Point
- Delimited Ephemeral Stream
- Delimited Intermittent Stream
- Delimited Perennial Stream
- Delimited Wetland Boundary Outline
- Field Delimited Wetland
- Confirmed Vernal Pool Extent
- Open Water
- EMA 100-Year Flood Zone
- Floodway
- Wood Turtle Protection Area
- Heron Roostery Protection Area
- Culvert
- X-X Fence

Map Notes:
Coordinate System: NAD 1983 StatePlane NewHampshire FIPS 3100 Feet
Notes: All work shown is as prepared by Stantec in 2020 in accordance with USACE Wetland Delineation Manual (1988) or other current version. All contours, centerline, ROW, and other data provided by Eversource Energy. All features from ANNOUANTZCADIAN GEOMATIC 2018 aerial imagery provided by ANNOUANTZ.

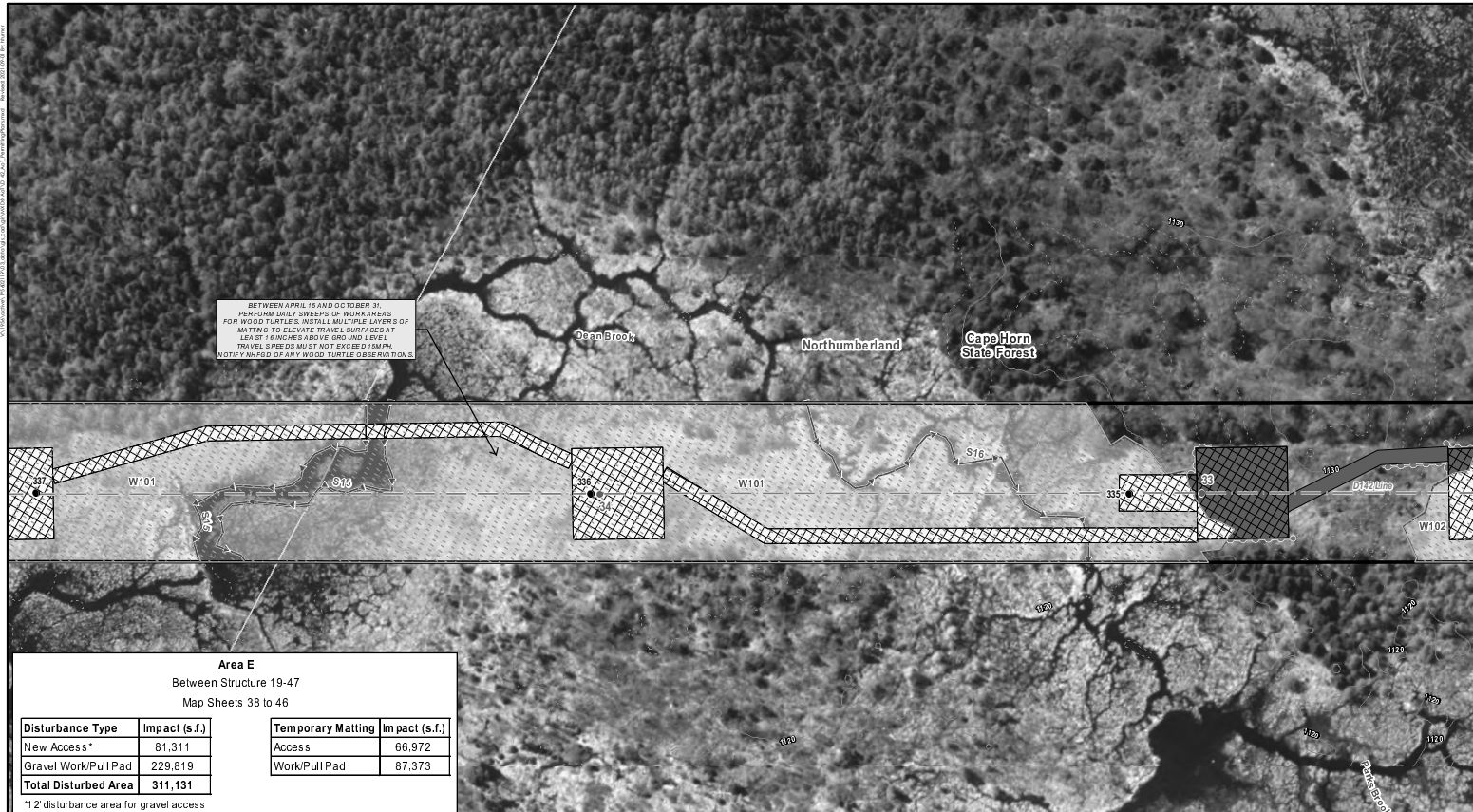
This mapping product has been created to comply with regulatory requirements in certain certain regulatory approvals and, as such, may be of no reliance on the information contained hereon for any other purpose.

Whitefield to Northumberland Rebuild Project (D142)
Alteration of Terrain Permitting Plans
Northumberland, New Hampshire
Map Sheet 40 of 52

EVERSOURCE ENERGY

Stantec

September 1, 2021



BETWEEN APRIL 15 AND OCTOBER 31, PERFORM DAILY SWEEPS OF WORK AREAS FOR WOOD TURTLES. INSTALL MULTIPLE LAYERS OF MATTING TO ELEVATE TRAVEL SURFACES AT LEAST 16 INCHES ABOVE GROUND LEVEL. TRAVEL SPEEDS MUST NOT EXCEED 1 MPH. NOTIFY AWDG OF ANY WOOD TURTLE OBSERVATIONS.

Area E
Between Structure 19-47
Map Sheets 38 to 46

Disturbance Type	Impact (s.f.)	Temporary Matting	Impact (s.f.)
New Access*	81,311	Access	66,972
Gravel Work/Pull Pad	229,819	Work/Pull Pad	87,373
Total Disturbed Area	311,131		

*1/2' disturbance area for gravel access

INDEX MAP

Northumberland

40	41	42	43	44
----	----	----	----	----

- Legend**
- Proposed Structure
 - Existing Structure
 - Overhead Eversource 115kV Line
 - Overhead Eversource 35kV Line
 - Existing 6' Road/Way (ROW)
 - Proposed Alternative Access
 - Existing Access
 - Supposed Erosion and Sediment Control (TYP)
 - 2' Contours
 - 10' Contours
 - Aut/Disturbance Area-New Access
 - Aut/Disturbance Area-Pad
 - Temporary Upland Construction Matting
 - Temporary Wetland Construction Matting
 - Eversource Fee-Owned Property
 - State-Owned Property
 - Parcel Boundary
 - Municipal Boundary
 - US National Forest Lands
 - Confirmed Vernal Pool Point
 - Delimited Ephemeral Stream
 - Delimited Intermittent Stream
 - Delimited Perennial Stream
 - Delimited Wetland Boundary Outline
 - Field Delimited Wetland
 - Confirmed Vernal Pool Exterior
 - Open Water
 - EMA 100-Year Flood Zone
 - Floodway
 - Wood Turtle Protection Area
 - Heron Roosting Protection Area
 - Culvert
 - Fence

Main Note:
Coordinate System: NAD 1983 StatePlane New Hampshire FIPS 3100 Feet
Notes: All work is designed as required by Stantec in 2020 in accordance with USACE Wetland Delineation Manual (516.01) or other current version. Contour lines, centerline, ROW, and other data provided by Eversource Energy. All data from ANNOYANT ZONING BOARD. All data is the property of Eversource Energy.

This mapping product has been created to comply with regulatory requirements to obtain certain regulatory approvals and, as such, may be of no value in the information contained hereon for any other purpose.

Whitefield to Northumberland Rebuild Project (D142)
Alteration of Terrain
Permitting Plans
Northumberland, New Hampshire
Map Sheet 42 of 52

EVERSOURCE ENERGY

Stantec

September 1, 2021



BETWEEN APRIL 15 AND OCTOBER 31, PERFORM DAILY SWEEPS OF ROW AREAS FOR WOOD TURTLES. INSTALL MULTIPLE LAYERS OF MATTING TO ELIMINATE TRAVEL SURFACES AT LEAST 18 INCHES ABOVE GROUND LEVEL. TRAVEL SPEEDS MUST NOT EXCEED 15 MPH. NOTIFY WARDEN OF ANY WOOD TURTLE OBSERVATIONS.

Area E
Between Structure 19-47
Map Sheets 38 to 46

Disturbance Type	Impact (s.f.)	Temporary Matting	Impact (s.f.)
New Access*	81,311	Access	66,972
Gravel Work/Pull Pad	229,819	Work/Pull Pad	87,373
Total Disturbed Area	311,131		

*1/2' disturbance area for gravel access

INDEX MAP

Northumberland

41	42	43	44	45
----	----	----	----	----

- Legend**
- Proposed Structure
 - Existing Structure
 - Overhead Eversource 115kV Line
 - Overhead Eversource 35kV Line
 - Existing 6' Right-of-Way (ROW)
 - Proposed Alternative Access
 - Existing Access
 - Suggested Erosion and Sediment Control (TYP)
 - 10' Contours
 - Aut Disturbance Area- New Access
 - Aut Disturbance Area- Pad
 - Temporary Upland Construction Matting
 - Temporary Wetland Construction Matting
 - Eversource Fee-Owned Property
 - State-Owned Property
 - Parcel Boundary
 - Municipal Boundary
 - US National Forest Lands
 - Confirmed Vernal Pool Point
 - Delimited Ephemeral Stream
 - Delimited Intermittent Stream
 - Delimited Perennial Stream
 - Delimited Wetland Boundary Outline
 - Field Delimited Wetland
 - Confined Vernal Pool Exterior
 - Open Water
 - EMA 100-Year Flood Zone
 - Floodway
 - Wood Turtle Protection Area
 - Heron Roosting Protection Area
 - Culvert
 - Fence

Main Notes:
Contractor's System: NAD 1983 StatePlane NewHampshire FIPS 3100 FIPS
Notes: Work on this project as delineated by Stantec in 2020 in accordance with USACE Wetland Delineation Manual (2008) or subsequent revision. All data is current as of 9/1/2020. Data sources: Survey, centerline, ROW, and aerial data provided by Eversource Energy. Blue features from ANNOUANTZ CAD/BAAS. Ground 2018 aerial imagery provided by NW GRANIT.

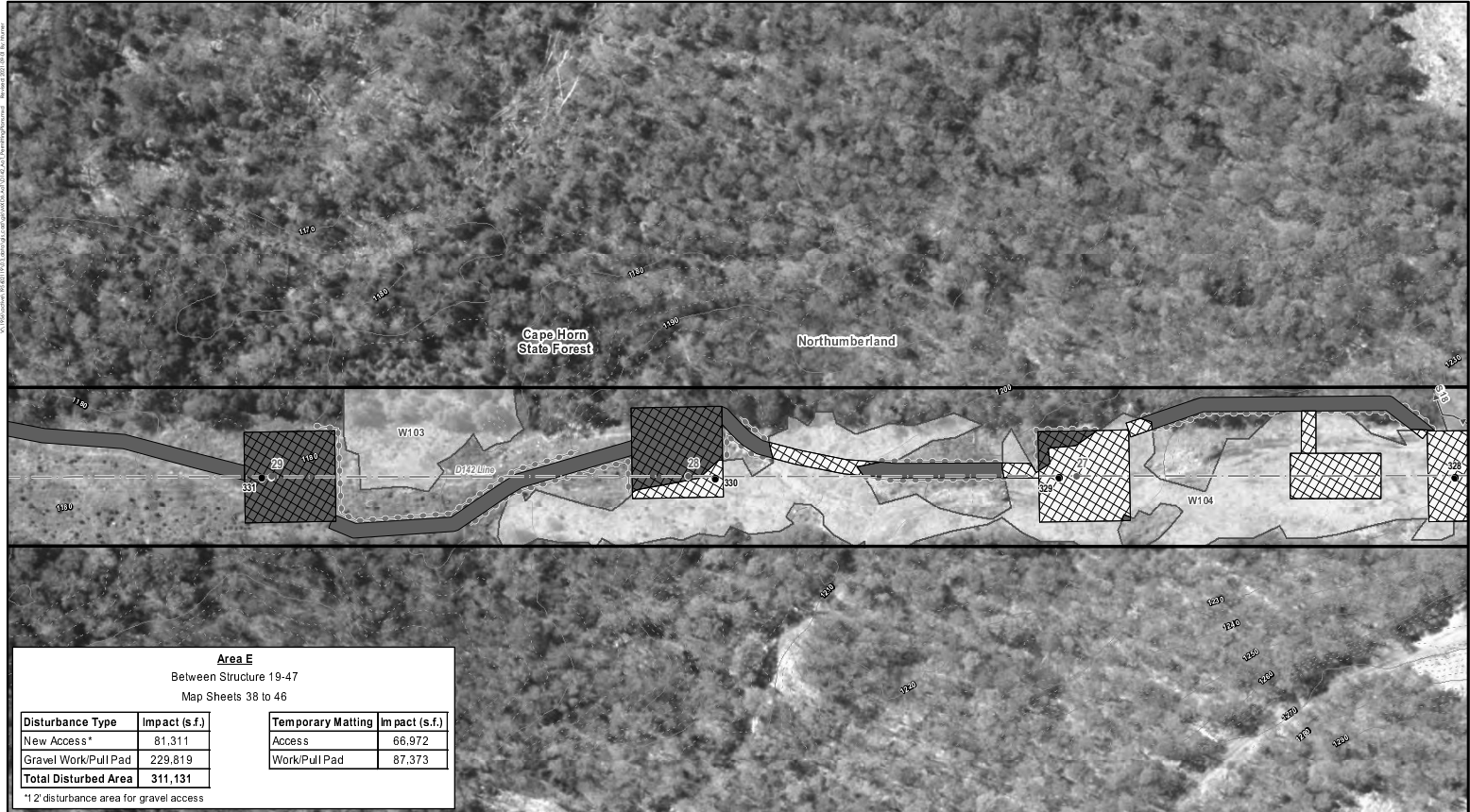
This mapping product has been created to comply with regulatory requirements and to obtain certain regulatory approvals and, as such, may be in reliance on the information contained hereon for any other purpose.

Whitefield to Northumberland Rebuild Project (D142)
Alteration of Terrain
Permitting Plans
Northumberland, New Hampshire
Map Sheet 43 of 52

EVERSOURCE ENERGY

Stantec

September 1, 2021



Area E
Between Structure 19-47
Map Sheets 38 to 46

Disturbance Type	Impact (s.f.)	Temporary Matting	Impact (s.f.)
New Access*	81,311	Access	66,972
Gravel Work/Pul Pad	229,819	Work/Pul Pad	87,373
Total Disturbed Area	311,131		

*1/2' disturbance area for gravel access

INDEX MAP

Northumberland				
42	43	44	45	46

Legend

- Proposed Structure
- Existing Structure
- Overhead Eversource 115kV Line
- Overhead Eversource 35kV Line
- Existing Right-of-Way (ROW)
- Proposed Alternative Access
- Existing Access
- Suggested Erosion and Sediment Control (TYP)
- 10' Contours
- Aut Disturbance Area- New Access
- Aut Disturbance Area- Pad
- Temporary Upland Construction Matting
- Temporary Wetland Construction Matting
- Eversource Fee-Owned Property
- State-Owned Property
- Parcel Boundary
- Municipal Boundary
- US National Forest Lands
- Confirmed Vernal Pool Point
- Delimited Ephemeral Stream
- Delimited Intermittent Stream
- Delimited Perennial Stream
- Delimited Wetland Boundary Outline
- Field Delimited Wetland
- Confined Vernal Pool Outlet
- Open Water
- EMA 100-Year Flood Zone
- Floodway
- Wood Turtle Protection Area
- Heron Roosting Protection Area
- Culvert
- Fence

Main Note:
Construction System: NAD 1983 StatePlane NewHampshire FIPS 3100 FIPS
Notes: All work is to be done in accordance with the State of New Hampshire in accordance with 106:002 Wetland Determination Manual (10/01) or any subsequent revision.
Data Source: Survey, centerline, ROW, and abutment data provided by Eversource Energy. All other data from ANTIQUITY Database. Groundwater data and imagery provided by MR GRANT.

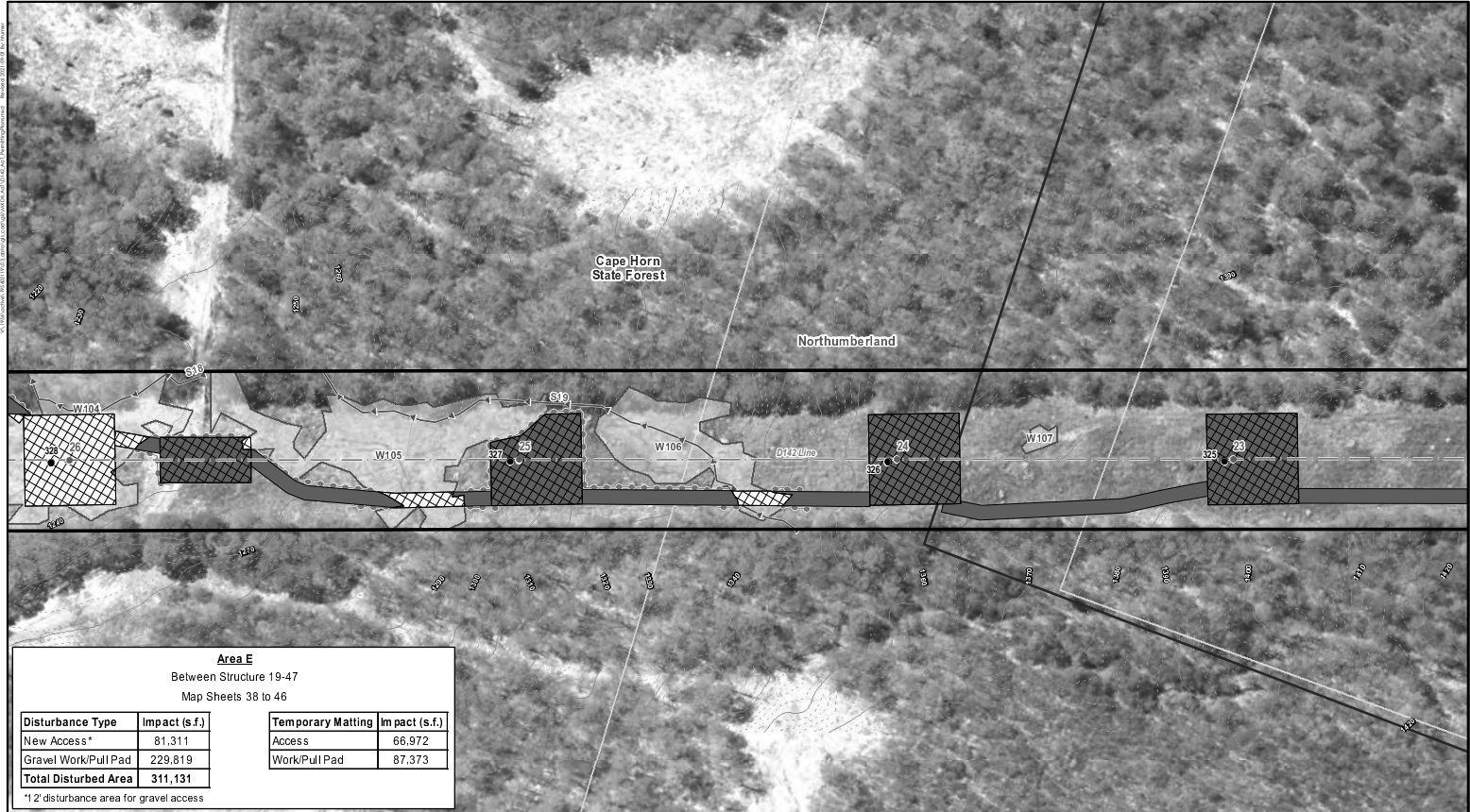
This mapping product has been created to comply with regulatory requirements and to obtain certain regulatory approvals and, as such, may be subject to change without notice. It is not intended for any other purpose.

Whitefield to Northumberland Rebuild Project (D142) Alteration of Terrain Permitting Plans
Northumberland, New Hampshire
Map Sheet 44 of 52

EVERSOURCE ENERGY

Stantec

September 1, 2021

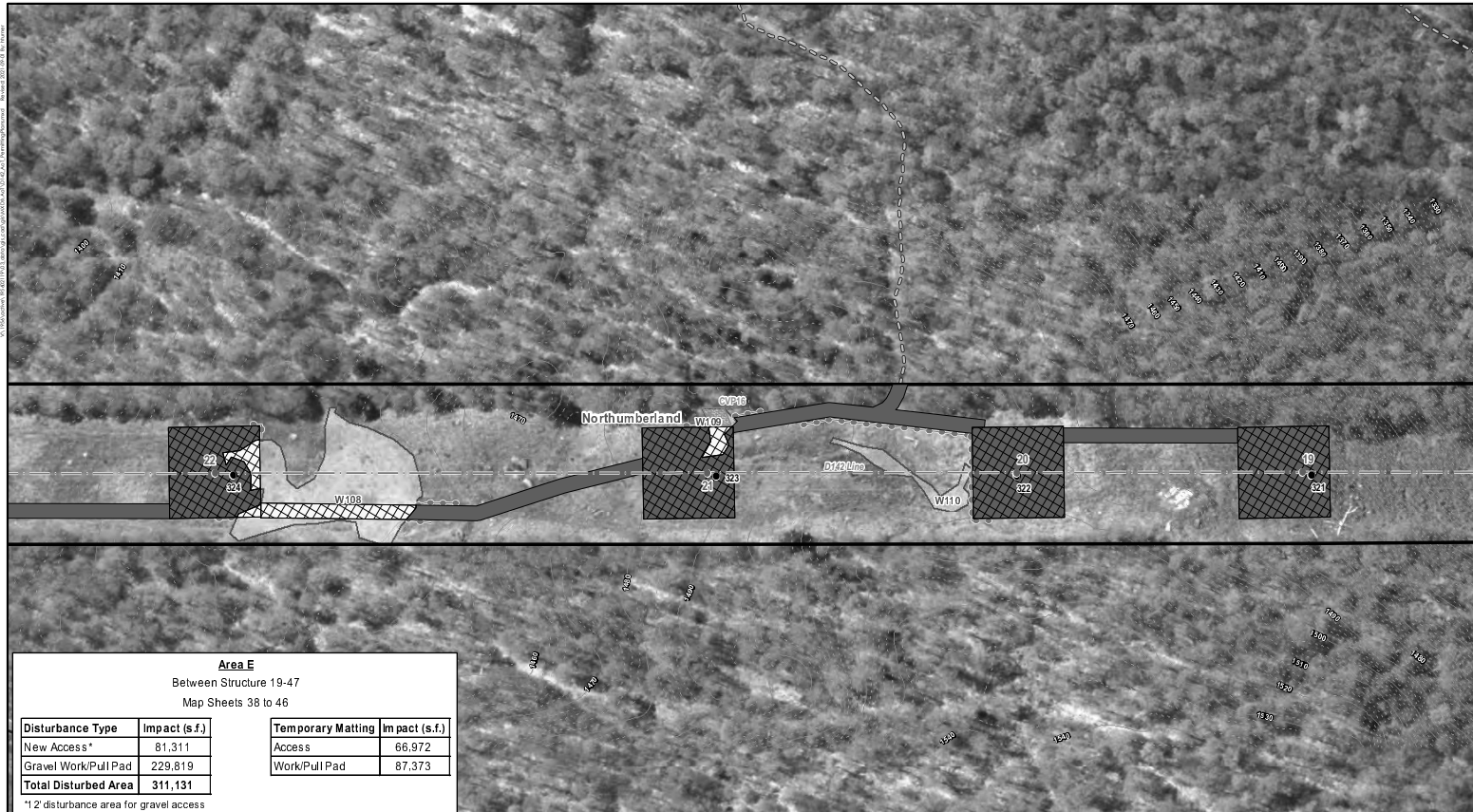


Area E
Between Structure 19-47
Map Sheets 38 to 46

Disturbance Type	Impact (s.f.)	Temporary Matting	Impact (s.f.)
New Access*	81,311	Access	66,972
Gravel Work/Pull Pad	229,819	Work/Pull Pad	87,373
Total Disturbed Area	311,131		

*1/2' disturbance area for gravel access

<p>INDEX MAP</p> <p>Northumberland</p> <p>43 44 45 46 47</p>	<p>Legend</p> <ul style="list-style-type: none"> Proposed Structure Existing Structure Overhead Eversource 115kV Line Overhead Eversource 35kV Line Existing Right-of-Way (ROW) Proposed Alternative Access Existing Access Suggested Erosion and Sediment Control (TYP) 10' Contours AdT Disturbance Area-New Access AdT Disturbance Area-Pad Temporary Upland Construction Matting Temporary Wetland Construction Matting Eversource Fee-Owned Property State-Owned Property Parcel Boundary Municipal Boundary US National Forest Lands Confirmed Vernal Pool Point Delimited Ephemeral Stream Delimited Intermittent Stream Delimited Perennial Stream Delimited Wetland Boundary Outline Field Delimited Wetland Confirmed Vernal Pool Outlet Open Water EMA 100-Year Flood Zone Floodway Wood Turtle Protection Area Heron Roosting Protection Area Culvert Fence 	<p>Map Notes:</p> <p>Geographic System: NAD 1983 StatePlane New Hampshire FIPS 3103 Feet</p> <p>Notes: Work on documents developed by Stantec in 2020 in accordance with USACE Wetland Delineation Manual (51601) or other current version.</p> <p>Orthorectified, georeferenced, centerline, ROW, and attribute data provided by Eversource Energy. Attribute names from ANTIPOINT database. Example 2015 aerial imagery provided by NW GRANIT.</p> <p>This mapping product has been created to comply with regulatory requirements and to obtain certain regulatory approvals and, as such, may be not suitable for use in other information contained hereon for other purposes.</p>	<p>Whitefield to Northumberland Rebuild Project (D142) Alteration of Terrain Permitting Plans</p> <p>Northumberland, New Hampshire</p> <p>Map Sheet 45 of 52</p>	<p>EVERSOURCE ENERGY</p> <p>Stantec</p> <p>September 1, 2021</p>
---	--	--	---	--



Area E
Between Structure 19-47
Map Sheets 38 to 46

Disturbance Type	Impact (s.f.)	Temporary Matting	Impact (s.f.)
New Access*	81,311	Access	66,972
Gravel Work/Pul Pad	229,819	Work/Pul Pad	87,373
Total Disturbed Area	311,131		

*1/2' disturbance area for gravel access

<p>INDEX MAP</p> <p style="text-align: center;">Northumberland</p> <p>44 45 46 47 48</p>	<p>Legend</p> <ul style="list-style-type: none"> Proposed Structure Existing Structure Overhead Eversource 115kV Line Overhead Eversource 38.5kV Line Existing Right-of-Way (ROW) Proposed Alternative Access Existing Access Suggested Erosion and Sediment Control (TYP) 2' Contours 10' Contours Auto Disturbance Area-New Access Auto Disturbance Area-Pad Temporary Upland Construction Matting Temporary Wetland Construction Matting Eversource Fee-Owned Property State-Owned Property Parcel Boundary Municipal Boundary US National Forest Lands Confirmed Vernal Pool Point Delimited Ephemeral Stream Delimited Intermittent Stream Delimited Perennial Stream Delimited Wetland Boundary Outline Field Delimited Wetland Confirmed Vernal Pool Exterior Open Water EMA 100-Year Flood Zone Footway Wood Turtle Protection Area Heron Rookery Protection Area Culvert Fence 	<p>Main Note: Construction System: NAD 1983 StatePlane New Hampshire FIPS 3100 Feet Notes: Work on this project is designed by Stantec in 2020 in accordance with USACE Wetland Delineation Manual (1988) or subsequent revision. All data sources: ROW and aerial data provided by Eversource Energy. All features from ANNOUANTZ database. Ground 2018 aerial imagery provided by AIR GRANT.</p> <p>This mapping product has been created to comply with regulatory requirements to obtain certain regulatory approvals and, as such, may not be suitable for other information contained hereon for other purposes.</p>	<p>Whitefield to Northumberland Rebuild Project (D142) Alteration of Terrain Permitting Plans</p> <p style="text-align: center;">Northumberland, New Hampshire</p> <p style="text-align: center;">Map Sheet 46 of 52</p>
			<p>EVERSOURCE ENERGY</p> <p></p> <p>September 1, 2021</p>



Area F
Between Structure 1-18
Map Sheets 47 to 52

Disturbance Type	Impact (s.f.)	Temporary Matting	Impact (s.f.)
New Access *	59,881	Access	36,877
Gravel Work/Pull Pad	148,630	Work/Pull Pad	35,829
Total Disturbed Area	208,510		

*12' disturbance area for gravel access

INDEX MAP

Northumberland

45	46	47	48	49
----	----	----	----	----

Legend

<ul style="list-style-type: none"> Proposed Structure Existing Structure Overhead Eversource 115kV Line Overhead Eversource 35kV Line Existing 50-foot/way (ROW) Proposed Alternative Access Existing Access Suggested Erosion and Sediment Control (TYP) Z Contours 	<ul style="list-style-type: none"> 10' Disturbance Area-New Access 10' Disturbance Area-Pad Temporary Upland Construction Matting Temporary Wetland Construction Matting Eversource Fee-Owned Property State-Owned Property Parcel Boundary Municipal Boundary US National Forest Lands 	<ul style="list-style-type: none"> Confirmed Vernal Pool Point Delimited Ephemeral Stream Delimited Intermittent Stream Delimited Perennial Stream Delimited Wetland Boundary Outline Field Delimited Wetland Confirmed Vernal Pool Outlet Open Water
---	--	---

Whitefield to Northumberland Rebuild Project (D142) Alteration of Terrain Permitting Plans

Northumberland, New Hampshire

Map Sheet 47 of 52

Scale: 0 to 100 Feet

North Arrow: [Symbol]

Notes: This mapping product has been created to comply with regulatory requirements and to obtain certain regulatory approvals and, as such, may not be relied on for information considered hazardous for any other purpose.

EVERSOURCE ENERGY

Stantec

September 1, 2021



Area F
Between Structure 1-18
Map Sheets 47 to 52

Disturbance Type	Impact (s.f.)	Temporary Matting	Impact (s.f.)
New Access*	59,881	Access	36,877
Gravel Work/Pull Pad	148,630	Work/Pull Pad	35,829
Total Disturbed Area	208,510		

*12' disturbance area for gravel access

INDEX MAP

Northumberland

46	47	48	49	50
----	----	----	----	----

Legend

- Proposed Structure
- Existing Structure
- Overhead Eversource 115kV Line
- Overhead Eversource 35kV Line
- Existing 50' Right-of-Way (ROW)
- Proposed Alternative Access
- Existing Access
- Suggested Erosion and Sediment Control (TYP)
- 10' Contours
- Aut/Disturbance Area-New Access
- Aut/Disturbance Area-Pad
- Temporary Upland Construction Matting
- Temporary Wetland Construction Matting
- Eversource Fee-Owned Property
- State-Owned Property
- Parcel Boundary
- Municipal Boundary
- US National Forest Lands
- Confirmed Vernal Pool Point
- Delimited Ephemeral Stream
- Delimited Intermittent Stream
- Delimited Perennial Stream
- Delimited Wetland Boundary Outline
- Field Delimited Wetland
- Confirmed Vernal Pool Exterior
- Open Water
- EMA 100-Year Flood Zone
- Floodway
- Wood Turtle Protection Area
- Heron Roosting Protection Area
- Culvert
- Fence

Map Notes:
Coordinate System: NAD 1983 StatePlane New Hampshire FIPS 3100 Feet
Notes: Work on this map was prepared by Stantec in 2020 in accordance with 16-0000 Wetland Determination Manual (16-000) or other current version.
Data Source: Survey, centerline, ROW, and aerial data provided by Eversource Energy. Aerial photos from AIRCRAFT/ORBIMAGE. Ground truth data imagery provided by AIRCRAFT.

This mapping product has been created to comply with regulatory requirements to obtain certain regulatory approvals and, as such, may be of no reliance on the information contained hereon for any other purpose.

Whitefield to Northumberland Rebuild Project (D142)
Alteration of Terrain
Permitting Plans
Northumberland, New Hampshire
Map Sheet 48 of 52

EVERSOURCE ENERGY

Stantec

September 1, 2021



Area F
Between Structure 1-18
Map Sheets 47 to 52

Disturbance Type	Impact (s.f.)	Temporary Matting	Impact (s.f.)
New Access*	59,881	Access	36,877
Gravel Work/Pull Pad	148,630	Work/Pull Pad	35,829
Total Disturbed Area	208,510		

*12' disturbance area for gravel access

INDEX MAP

Northumberland				
47	48	49	50	51

Legend

- Proposed Structure
- Existing Structure
- Overhead Eversource 115kV Line
- Overhead Eversource 35kV Line
- Existing 50-foot/Way (ROW)
- Proposed Alternative Access
- Existing Access
- Suggested Erosion and Sediment Control (TYP)
- 10' Contours
- Aut Disturbance Area-New Access
- Aut Disturbance Area-Pad
- Temporary Upland Construction Matting
- Temporary Wetland Construction Matting
- Eversource Fee-Owned Property
- State-Owned Property
- Parcel Boundary
- Municipal Boundary
- US National Forest Lands
- Confirmed Vernal Pool Point
- Delimited Ephemeral Stream
- Delimited Intermittent Stream
- Delimited Perennial Stream
- Delimited Wetland Boundary Outline
- Field Delimited Wetland
- Confirmed Vernal Pool Egress
- Open Water
- EMA 100-Year Flood Zone
- Floodway
- Wood Turtle Protection Area
- Heron Roostery Protection Area
- Culvert
- X-X Fence

Map Notes:
 Contour System: NAD 1983 StatePlane New Hampshire FIPS 3100 Feet
 Notes: Wetland boundaries delineated by Stantec in 2020 in accordance with USACE Wetland Delineation Manual (5840) or other current version.
 Data Source: Structure, centerline, ROW, and abutment data provided by Eversource Energy. All other data from ANNOBANT Database. Ground 2018 aerial imagery provided by ANNOBANT.

This mapping product has been created to comply with regulatory requirements to obtain certain regulatory approvals and, as such, may be of no reliance on the information contained hereon for any other purpose.

Whitefield to Northumberland Rebuild Project (D142)
Alteration of Terrain
Permitting Plans
 Northumberland, New Hampshire
 Map Sheet 49 of 52

EVERSOURCE ENERGY

Stantec

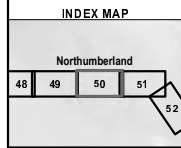
September 1, 2021



Area F
Between Structure 1-18
Map Sheets 47 to 52

Disturbance Type	Impact (s.f.)	Temporary Matting	Impact (s.f.)
New Access *	59,881	Access	36,877
Gravel Work/Pull Pad	148,630	Work/Pull Pad	35,829
Total Disturbed Area	208,510		

*12' disturbance area for gravel access



Legend

Proposed Structure	Proposed Eversource 115kV Line	Proposed Eversource 35 kV Line	Existing 35 kV/40kV (ROW)	Proposed Alternative Access	Existing Access	Supposed Erosion and Sediment Control (TYP)	2' Contours	10' Contours	Aut Disturbance Area- New Access	Aut Disturbance Area- Pad	Temporary Upland Construction Matting	Temporary Wetland Construction Matting	Eversource Fee-Owned Property	State-Owned Property	Parcel Boundary	Municipal Boundary	US National Forest Lands	Confirmed Vernal Pool Point	Delimited Ephemeral Stream	Delimited Intermittent Stream	Delimited Perennial Stream	Delimited Wetland Boundary Outline	Field Delimited Wetland	Confirmed Vernal Pool Everts	Open Water	EMA 100-Year Flood Zone	EMA 500-Year Flood Zone	Wood Turtle Protection Area	Heron Roosting Protection Area	Culvert	Fence
--------------------	--------------------------------	--------------------------------	---------------------------	-----------------------------	-----------------	---	-------------	--------------	----------------------------------	---------------------------	---------------------------------------	--	-------------------------------	----------------------	-----------------	--------------------	--------------------------	-----------------------------	----------------------------	-------------------------------	----------------------------	------------------------------------	-------------------------	------------------------------	------------	-------------------------	-------------------------	-----------------------------	--------------------------------	---------	-------

Map Notes:
Coordinate System: NAD 1983 StatePlane New Hampshire FIPS 3100 Feet
Notes: All on documents prepared by Stantec in 2020 in accordance with USACE Wetland Delineation Manual (2016) or other relevant version.
Data Source: Section, centerline, ROW, and abutment data provided by Eversource Energy. All other data from AN GRANT/CRABBE. Ground 2018 aerial imagery provided by AN GRANT.

This mapping product has been created to comply with regulatory requirements to obtain certain regulatory approvals and, as such, may not be suitable for other information contained hereon for other purposes.

Whitefield to Northumberland Rebuild Project (D142)
Alteration of Terrain Permitting Plans
Northumberland, New Hampshire
Map Sheet 50 of 52

EVERSOURCE ENERGY

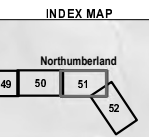
September 1, 2021



Area F
Between Structure 1-18
Map Sheets 47 to 52

Disturbance Type	Impact (s.f.)	Temporary Matting	Impact (s.f.)
New Access *	59,881	Access	36,877
Gravel Work/Pull Pad	148,630	Work/Pull Pad	35,829
Total Disturbed Area	208,510		

*12' disturbance area for gravel access



- Legend**
- Proposed Structure
 - Existing Structure
 - Overhead Eversource 115kV Line
 - Overhead Eversource 35.5kV Line
 - Existing 50-foot/Way (ROW)
 - Proposed Alternative Access
 - Existing Access
 - Suggested Erosion and Sediment Control (TYP)
 - 2' Contours
 - 10' Contours
 - AdT Disturbance Area- New Access
 - AdT Disturbance Area- Pad
 - Temporary Upland Construction Matting
 - Temporary Wetland Construction Matting
 - Eversource Fee-Owned Property
 - State-Owned Property
 - Parcel Boundary
 - Municipal Boundary
 - US National Forest Lands
 - Confirmed Vernal Pool Point
 - Delimited Ephemeral Stream
 - Delimited Intermittent Stream
 - Delimited Perennial Stream
 - Delimited Wetland Boundary Outline
 - Field Delimited Wetland
 - Confirmed Vernal Pool Exterior
 - Open Water
 - EMA 100-Year Flood Zone
 - Wood Turtle Protection Area
 - Heron Rookery Protection Area
 - Culvert
 - X-X' Fence

Note:
 Statewide System, NAD 1983 StatePlane New Hampshire FIPS 3100 Feet
 Notes: All on a coordinate system provided by Stantec in 2010 in accordance with USACE Wetland Delineation Manual (2008) or subsequent revision. All data is based on the best available data provided by Eversource Energy. All features from ANNOUANTZ database. Groundwater data imagery provided by ANNOUANTZ.

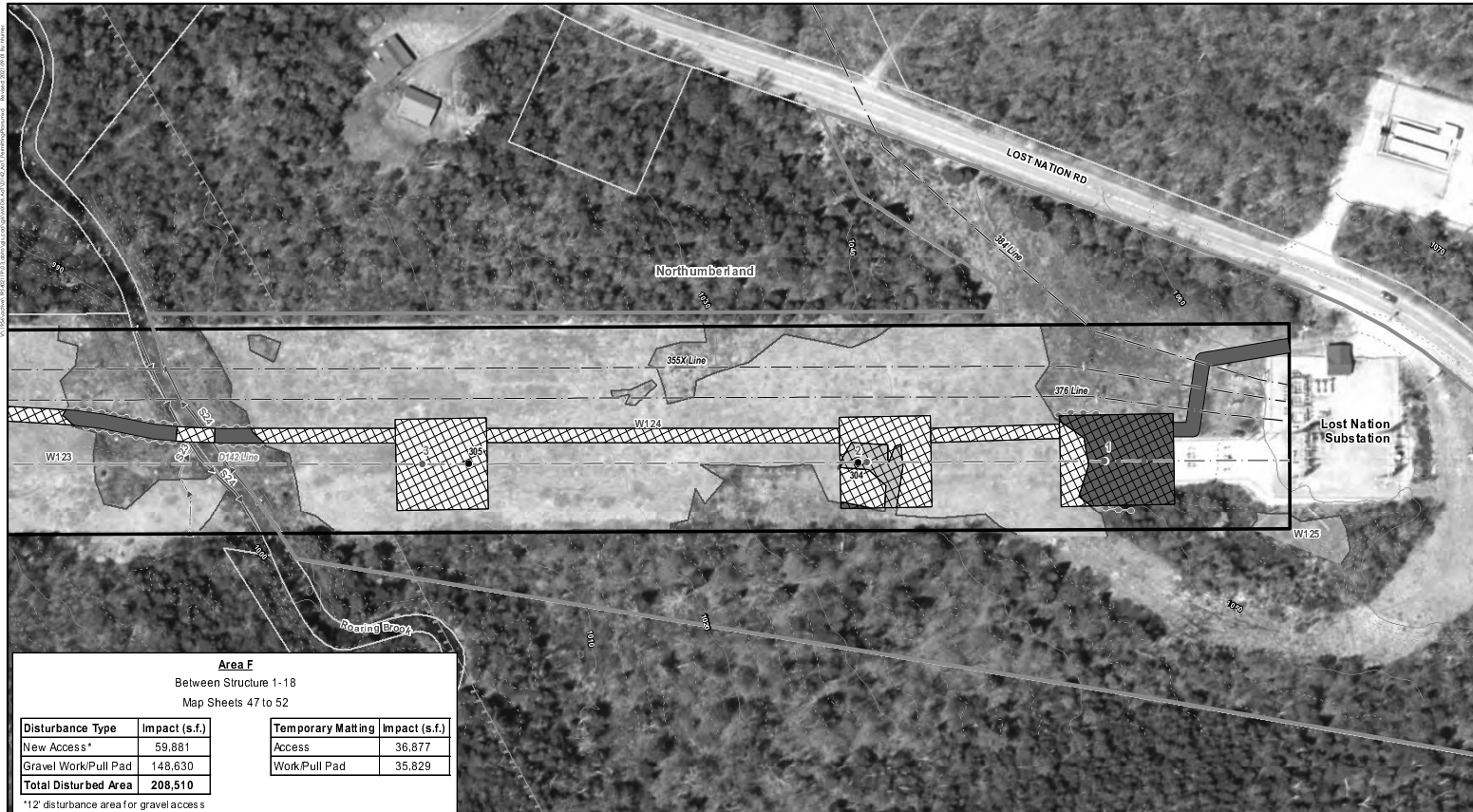
This mapping product has been created to comply with regulatory requirements to obtain certain regulatory approvals and, as such, may be in reliance on the information contained hereon for other purposes.



Whitefield to Northumberland Rebuild Project (D142) Alteration of Terrain Permitting Plans
 Northumberland, New Hampshire
 Map Sheet 51 of 52

EVERSOURCE ENERGY

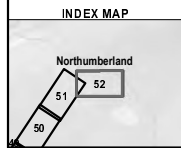
September 1, 2021



Area F
Between Structure 1-18
Map Sheets 47 to 52

Disturbance Type	Impact (s.f.)	Temporary Matting	Impact (s.f.)
New Access *	59,881	Access	36,877
Gravel Work/Pull Pad	148,630	Work/Pull Pad	35,829
Total Disturbed Area	208,510		

*12' disturbance area for gravel access



Legend

● Proposed Structure	● Existing Structure	— Overhead Eversource 115kV Line	— Overhead Eversource 35.5kV Line	— Existing 50-foot/way (ROW)	— Proposed Alternative Access	— Existing Access	— Suspended Erosion and Sediment Control (TYP)	— 2' Contours	— 10' Contours	■ AOT Disturbance Area- New Access	■ AOT Disturbance Area- Pad	■ Temporary Upland Construction Matting	■ Temporary Wetland Construction Matting	■ Eversource Fee-Owned Property	■ State-Owned Property	— Parcel Boundary	— Municipal Boundary	■ US National Forest Lands	● Confirmed Vernal Pool Point	— Delineated Ephemeral Stream	— Delineated Intermittent Stream	— Delineated Perennial Stream	— Delineated Wetland Boundary Outline	— Field Delineated Wetland	■ Confirmed Vernal Pool Exterior	— Open Water	■ EMA 100-Year Flood Zone	— Floodway	■ Wood Turtle Protection Area	■ Heron Roosting Protection Area	● Culvert	— X-X Fence
----------------------	----------------------	----------------------------------	-----------------------------------	------------------------------	-------------------------------	-------------------	--	---------------	----------------	------------------------------------	-----------------------------	---	--	---------------------------------	------------------------	-------------------	----------------------	----------------------------	-------------------------------	-------------------------------	----------------------------------	-------------------------------	---------------------------------------	----------------------------	----------------------------------	--------------	---------------------------	------------	-------------------------------	----------------------------------	-----------	-------------

Map Note:
Geographic System: NAD 1983 StatePlane NewHampshire FIPS 3100 Feet
Notes: All on documents developed by Stantec in 2020 in accordance with USACE Wetland Delineation Manual (5830) or other current version.
Data Source: Stantec, centerline, ROW, and attribute data provided by Eversource Energy. All features from ANNOUANT CADASTRE. Ground 2018 aerial imagery provided by AIR GRANT.

This mapping product has been created to comply with regulatory requirements to obtain certain regulatory approvals and, as such, may be in reliance on the information contained hereon for other purposes.

Whitefield to Northumberland Rebuild Project (D142)
Alteration of Terrain
Permitting Plans
Northumberland, New Hampshire
Map Sheet 52 of 52

EVERSOURCE ENERGY

Stantec

September 1, 2021

New Hampshire Fish and Game Alteration of Terrain Conditions Related to Threatened and Endangered Species

- Conservation measures proposed by the applicant shall be implemented based on Threatened and Endangered Wildlife Habitat Assessment dated May 20, 2021. See Alteration of Terrain Permitting Plan sheets 28, 29, 32, 39, 40, 41, 42, and Notes Pages 1-3.
- Wood turtles, a state species of special concern, are known within the project area. This species may utilize utility corridors as well as forested areas when near (within 1000 feet) tributaries and rivers. All site operators shall be made aware of their potential presence and be provided a flyer that includes identification and NHFG contact information. Turtles found within the active project area should be relocated immediately to the closest safe location in the direction the turtle was moving – NHFG shall be contacted immediately if this occurs. Although unlikely in this habitat, if a turtle is observed nesting or suspected of nesting, the area shall be marked to avoid impacts, photos shall be taken and provided immediately to NHFG: Melissa Doperalski 603-479-1129 or Josh Megyesy at 978-578-0802. See plan note sheets pages 1-3.
- All site operators shall be provided with flyers that includes NHFG contact information and wood turtle species and Canada lynx identification.
- All manufactured erosion and sediment control products, except for silt fence installed in accordance with Env-Wq 1506.04, utilized for, but not limited to, slope protection, runoff diversion, slope interruption, perimeter control, inlet protection, check dams, and sediment traps shall not contain welded plastic, plastic, or multi-filament or monofilament polypropylene netting or mesh. See Notes Page 3 and BMP Details Page 1 for specifications.
- All observations of threatened or endangered species shall be reported immediately to the New Hampshire Fish and Game Department Nongame and Endangered Wildlife Environmental Review Program by phone at 603-271-2461 and by email at NHFGreview@wildlife.nh.gov. Email subject line: NHB21-0368, NHB21-0369 and NHB21-0371, D-142 Eversource Rebuild, Wildlife Species Observation. Photographs shall be provided for verification as feasible.
- The New Hampshire Fish and Game Department shall have access to the project area during the term of the permit.

Whitefield to Northumberland
Rebuild Project (D142)
Alteration of Terrain
Whitefield, Lancaster, and
Northumberland, New Hampshire
NH Fish and Game Department
Conditions

EVERSOURCE
ENERGY



September 1, 2021

RARE SPECIES ALERT

CANADA LYNX



Photos courtesy of USFWS


IDENTIFYING FEATURES:

- Medium to large cat, 15–30 lbs
- Grizzled gray fur
- Proportionately large paws and hind legs
- Ears with long, black tufts
- Tail short and black-tipped
- Most similar to bobcat

IF OBSERVED:

- Stop work and allow animal to pass
- Document date and time, and take photograph, if possible
- Maintain 5 mph on access roads
- Notify on-site Environmental Monitor



<p>Whitefield to Northumberland Rebuild Project (D142) Alteration of Terrain Whitefield, Lancaster, and Northumberland, New Hampshire Notes Page 2 of 3</p>	<p>EVERSOURCE ENERGY</p> <p> Stantec</p> <p>September 1, 2021</p>
---	--

CONSTRUCTION SEQUENCE:

- WETLAND BOUNDARIES TO BE CLEARLY MARKED PRIOR TO THE START OF CONSTRUCTION.
- SEDIMENT AND EROSION CONTROL MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH THE DETAIL PROVIDED, AS NECESSARY.
- WETLAND IMPACTS ASSOCIATED WITH WETLAND CROSSINGS ARE REQUIRED FOR ACCESS BETWEEN STRUCTURES
- 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 THERE TO. NO POWER EQUIPMENT SHALL BE STORED, MAINTAINED, OR FUELED IN ANY AREA ADJACENT TO A WETLAND, RIVER, STREAM OR OTHER BODY OF WATER.
- REMOVE COMPLETELY ALL CONTAMINATION FROM ANY SPILLAGE OF CHEMICALS OR PETROLEUM PRODUCT WITH COMPLETE REHABILITATION OF THE AFFECTED AREA.
- 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.
- IMPACT TO VEGETATION WITHIN WETLANDS WILL BE LIMITED TO THE EXTENT NECESSARY TO PLACE THE SWAMP MATS WHERE REQUIRED, NO ADDITIONAL CLEARING IS PERMITTED.
- 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.
- SWAMP 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.
- 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.
- 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 IMPED THE FLOW OF WATER OR CAUSE FLOODING.
- 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.
- 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 FILL SLOPES SHALL BE SEEDED/LOADED WITHIN 72 HOURS OF ACHIEVING FINISHED GRADE. IMPORTATION OF COMMERCIAL LOAM IS PROHIBITED.
- INSTALL NEW POLES IN THE LOCATIONS DESIGNATED ON THE PERMITTING PLANS.
- CABLE INSTALLATION WILL BE PERFORMED IN A MANNER SO AS TO AVOID, OR LIMIT TO THE MAXIMUM EXTENT POSSIBLE, TRAVELING WETLANDS WITH HEAVY EQUIPMENT. IN SOME CASES, A HELICOPTER MAY BE USED DURING THE INSTALLATION TO MINIMIZE IMPACTS.
- ALL SWAMP MATS, MATERIAL, AND DEBRIS WILL BE REMOVED FROM THE WORK AREA UPON THE COMPLETION OF CONSTRUCTION.
- 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 2%. 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.
- 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 IRRADIATED, AS NECESSARY.
- SEDIMENT AND EROSION CONTROL MEASURES WILL BE EVALUATED AND REMOVED IF NECESSARY UPON THE COMPLETION OF CONSTRUCTION.
- COMMERCIAL LOAM WILL NOT BE USED AS PART OF RESTORATION. ONLY IN-SITU TOPSOIL WILL BE USED TO RESTORE DISTURBED AREAS.
- 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

- 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 BIRTS.
- 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.

- 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 db/a EVERSOURCE ENERGY
13 LEGENDS DRIVE
HOOKSETT, NH 03106

- BASE PLAN PROVIDED BY EVERSOURCE ENERGY. STANTEC PROVIDED THE WETLAND DATA. EVERSOURCE ENERGY PROVIDED THE UTILITY DESIGN.
- JURISDICTIONAL WETLANDS WERE DELINEATED BY STANTEC IN 2020. WETLANDS WERE DELINEATED IN ACCORDANCE WITH THE 1997 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.
- SITE PLAN IS FOR PERMITTING PURPOSES ONLY AND DOES NOT REPRESENT A PROPERTY BOUNDARY SURVEY.
- 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.
- IN ACCORDANCE WITH ENV-WO 1509.02, 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.
- 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:

- 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.
- AS REQUIRED, CONSTRUCT TEMPORARY BERMS, SILTATION FENCES, SEDIMENT TRAPS, ETC. TO PREVENT EROSION & SEDIMENTATION OF WETLANDS.
- 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.
- ANY STRIPPED TOPSOIL SHALL BE STOCKPILED, WITHOUT COMPACTION, AND STABILIZED WITH BMPs.
- 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.
- EROSION CONTROLS SHALL BE INSPECTED WEEKLY AND AFTER EVERY HALF-INCH OF RAINFALL.
- 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.

Whitefield to Northumberland
Rebuild Project (D142)
Alteration of Terrain
Whitefield, Lancaster, and
Northumberland, New Hampshire
Notes
Page 3 of 3

EVERSOURCE ENERGY
 Stantec
September 1, 2021

TYPICAL CORRUGATED PIPE FOR BEAM STABILIZATION
 TYPICAL CORRELATING DIMENSIONS
 REFER TO SHEET 2020-001-001

TYPICAL EROSION CONTROL BLANKETS
 TYPICAL CORRELATING DIMENSIONS
 REFER TO SHEET 2020-001-001

TYPICAL EROSION CONTROL BLANKETS
 TYPICAL CORRELATING DIMENSIONS
 REFER TO SHEET 2020-001-001

TYPICAL EROSION CONTROL BLANKETS
 TYPICAL CORRELATING DIMENSIONS
 REFER TO SHEET 2020-001-001

TYPICAL EROSION CONTROL BLANKETS
 TYPICAL CORRELATING DIMENSIONS
 REFER TO SHEET 2020-001-001

TYPICAL EROSION CONTROL BLANKETS
 TYPICAL CORRELATING DIMENSIONS
 REFER TO SHEET 2020-001-001

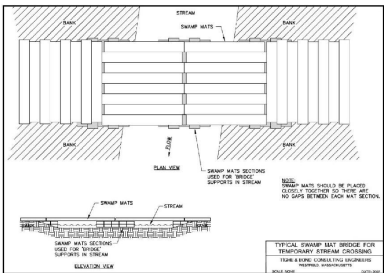
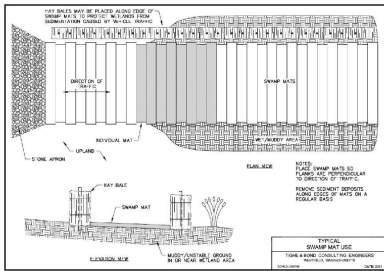
TYPICAL EROSION CONTROL BLANKETS
 TYPICAL CORRELATING DIMENSIONS
 REFER TO SHEET 2020-001-001

TYPICAL EROSION CONTROL BLANKETS
 TYPICAL CORRELATING DIMENSIONS
 REFER TO SHEET 2020-001-001

**Whitefield to Northumberland
 Rebuild Project (D142)
 Alteration of Terrain
 Whitefield, Lancaster, and
 Northumberland, New Hampshire
 BMP Details
 Page 1 of 2**

**EVERSOURCE
 ENERGY
 Stantec
 September 1, 2021**

X:\PROJECTS\2021\10\21\10210001\10210001.dwg, 10/21/2021 10:58:10 AM, 10/21/2021 10:58:10 AM



Whitefield to Northumberland
Rebuild Project (D142)
Alteration of Terrain
Whitefield, Lancaster, and
Northumberland, New Hampshire
BMP Details
Page 2 of 2

EVERSOURCE
ENERGY

September 1, 2021

NHDES ALTERATION OF TERRAIN PERMIT APPLICATION

Appendix A Alteration of Terrain Permit Application Form
June 2, 2021

**Appendix A ALTERATION OF TERRAIN PERMIT APPLICATION
FORM**





ALTERATION OF TERRAIN PERMIT APPLICATION



Water Division/ Alteration of Terrain Bureau/ Land Resources Management
Check the Status of your Application: www.des.nh.gov/onestop

RSA/ Rule: RSA 485-A:17, Env-Wq 1500

Administrative Use Only	Administrative Use Only	Administrative Use Only	File Number:
			Check No.
			Amount:
			Initials:

1. APPLICANT INFORMATION (INTENDED PERMIT HOLDER)

Applicant Name: Public Service Co. of NH d/b/a Eversource Energy		Contact Name: Jeremy Fennell	
Email: jeremy.fennell@eversource.com		Daytime Telephone: 603-634-3396	
Mailing Address: 13 Legends Drive			
Town/City: Hooksett		State: NH	Zip Code: 03106

2. APPLICANT'S AGENT INFORMATION If none, check here:

Business Name: Stantec Consulting Services Inc.		Contact Name: Tom Tetreau	
Email: tom.tetreau@stantec.com		Daytime Telephone: 207-504-7231	
Address: 30 Park Drive			
Town/City: Topsham		State: ME	Zip Code: 04086

3. PROPERTY OWNER INFORMATION (IF DIFFERENT FROM APPLICANT)

Applicant Name:		Contact Name:	
Email:		Daytime Telephone:	
Mailing Address:			
Town/City:		State:	Zip Code:

4. PROPERTY OWNER'S AGENT INFORMATION If none, check here:

Business Name:		Contact Name:	
Email:		Daytime Telephone:	
Address:			
Town/City:		State:	Zip Code:

5. CONSULTANT INFORMATION If none, check here:

Engineering Firm: Stantec Consulting Services Inc.		Contact Name: Tom Tetreau	
Email: tom.tetreau@stantec.com		Daytime Telephone: 207-504-7231	
Address: 30 Park Drive			
Town/City: Topsham		State: ME	Zip Code: 04086

6. PROJECT TYPE			
<input type="checkbox"/> Excavation Only	<input type="checkbox"/> Residential	<input type="checkbox"/> Commercial	<input type="checkbox"/> Golf Course
<input type="checkbox"/> Agricultural	<input type="checkbox"/> Land Conversion	<input checked="" type="checkbox"/> Other: Utility	
<input type="checkbox"/> School <input type="checkbox"/> Municipal			
7. PROJECT LOCATION INFORMATION			
Project Name: D142 Transmission Line Rebuild			
Street/Road Address: Existing utility ROW between Route 3 in Whitefield and Lost Nation Road in Northumberland			
Town/City: Whitefield, Lancaster, Northumberland		County: Coos	
Tax Map:	Block:	Lot Number:	Unit:
Location Coordinates: 44.48514°, -71.5400		<input checked="" type="checkbox"/> Latitude/Longitude	<input type="checkbox"/> UTM <input type="checkbox"/> State Plane
Post-development, will the proposed project withdraw from or directly discharge to any of the following? If yes, identify the purpose.			
1. Stream or Wetland Purpose:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Withdrawal	<input type="checkbox"/> Discharge
2. Man-made pond created by impounding a stream or wetland Purpose:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Withdrawal	<input type="checkbox"/> Discharge
3. Unlined pond dug into the water table Purpose:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Withdrawal	<input type="checkbox"/> Discharge
Post-development, will the proposed project discharge to:			
• A surface water impaired for phosphorus and/or nitrogen? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes - include information to demonstrate that project will not cause net increase in phosphorus and/or nitrogen			
• A Class A surface water or Outstanding Resource Water? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes - include information to demonstrate that project will not cause net increase in phosphorus and/or nitrogen			
• A lake or pond not covered previously? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes - include information to demonstrate that project will not cause net increase in phosphorus in the lake or pond			
Is the project a High Load area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, specify the type of high load land use or activity: _____			
Is the project within a Water Supply Intake Protection Area (WSIPA)?		<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Is the project within a Groundwater Protection Area (GPA)?		<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Will the well setbacks identified in Env-Wq 1508.02 be met?		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Note: Guidance document titled " <u>Using NHDES's OneStop WebGIS to Locate Protection Areas</u> " is available online. For more details on the restrictions in these areas, read Chapter 3.1 in Volume 2 of the NH Stormwater Manual.			
Is any part of the property within the 100-year floodplain?		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
If yes: Cut volume: <u>0</u> cubic feet within the 100-year floodplain Fill volume: <u>0</u> cubic feet within the 100-year floodplain			
<input type="checkbox"/> Project IS within ¼ mile of a designated river		Name of River: _____	
<input checked="" type="checkbox"/> Project is NOT within ¼ mile of a designated river			
<input type="checkbox"/> Project IS within a Coastal/Great Bay Region community - include info required by Env-Wq 1503.08(l) if applicable			
<input checked="" type="checkbox"/> Project is NOT within a Coastal/Great Bay Region community			
8. BRIEF PROJECT DESCRIPTION (PLEASE DO NOT REPLY "SEE ATTACHED")			
Eversource Energy (Eversource) has identified the need to replace the structures and overhead conductor wires and replace its static wires with fiber optic cable, known as Optical Ground Wire along the existing D142 transmission line (Project). This is an approximately 18-mile-long, 115-kilovolt line built in 1948 that crosses through the towns of Whitefield, Lancaster, and Northumberland.			
9. IF APPLICABLE, DESCRIBE ANY WORK STARTED PRIOR TO RECEIVING PERMIT			
Depending on the construction and electrical outage schedules, it is possible that some Project work may begin within areas that are not subject to Alteration of Terrain jurisdiction, or other permits that may be pending. In all jurisdictional areas, Eversource will not perform any work until all necessary permits are received.			

10. ADDITIONAL REQUIRED INFORMATION

A. Date a copy of the application was sent to the municipality as required by Env-Wq 1503.05(e)¹: / / .
(Attach proof of delivery)

B. Date a copy of the application was sent to the local river advisory committee if required by Env-Wq 1503.05(e)²: / / .
(Attach proof of delivery)

C. Type of plan required: Land Conversion Detailed Development Excavation, Grading & Reclamation Steep Slope

D. Additional plans required: Stormwater Drainage & Hydrologic Soil Groups Source Control Chloride Management

E. Total area of disturbance: 1,475,030 square feet

F. Additional impervious cover as a result of the project: 0 square feet (use the “-” symbol to indicate a net reduction in impervious coverage).
 Total final impervious cover: 0 square feet

G. Total undisturbed cover: 0 square feet

H. Number of lots proposed: 0

I. Total length of roadway: 0 linear feet

J. Name(s) of receiving water(s): 0

K. Identify all other NHDES permits required for the project, and for each indicate whether an application has been filed and is pending, or if the required approval has been issued provide the permit number, registration date, or approval letter number, as applicable.

Type of Approval	Application Filed?	Status	
		Pending	If Issued:
1. Water Supply Approval	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<input type="checkbox"/>	Permit number:
2. Wetlands Permit	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input checked="" type="checkbox"/>	Permit number:
3. Shoreland Permit	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/>	Permit number:
4. UIC Registration	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<input type="checkbox"/>	Registration date:
5. Large/Small Community Well Approval	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<input type="checkbox"/>	Approval letter date:
6. Large Groundwater Withdrawal Permit	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<input type="checkbox"/>	Permit number:
7. Other:	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/>	Permit number:

L. List all species identified by the Natural Heritage Bureau as threatened or endangered or of concern: See application narrative, Section 2.3.

M. Using NHDES’s Web GIS OneStop program (www2.des.state.nh.us/gis/onestop/), with the Surface Water Impairment layer turned on, list the impairments identified for each receiving water. If no pollutants are listed, enter “N/A.” N/A

N. Did the applicant/applicant’s agent have a pre-application meeting with AOT staff? Yes No
 If yes, name of staff member: Ridgely Mauck

O. Will blasting of bedrock be required? Yes No If yes, estimated quantity of blast rock: 0 cubic yards
 If yes, standard blasting BMP notes must be placed on the plans, available at:
<http://des.nh.gov/organization/commissioner/pip/publications/wd/documents/wd-10-12.pdf>
NOTE: If greater than 5,000 cubic yards of blast rock will be generated, a groundwater monitoring program must be developed and submitted to NHDES. Contact AOT staff for additional detail.

11. CHECK ALL APPLICATION ATTACHMENTS THAT APPLY (SUBMIT WITH APPLICATION IN ORDER LISTED)

¹ Env-Wq 1503.05(c)(6), requires proof that a completed application form, checklist, plans and specifications, and all other supporting materials have been sent or delivered to the governing body of each municipality in which the project is proposed.

² Env-Wq 1503.05(c)(6), requires proof that a completed application form, checklist, plans and specifications, and all other supporting materials have been sent or delivered to the Local River Advisory Committee, if the project is within ¼ mile of a designated river.

LOOSE:

- Signed application form: des.nh.gov/organization/divisions/water/aot/index.htm (with attached proof(s) of delivery)
- Check for the application fee: des.nh.gov/organization/divisions/water/aot/fees.htm
- Color copy of a USGS map with the property boundaries outlined (1" = 2,000' scale)
- If Applicant is not the property owner, proof that the applicant will have a legal right to undertake the project on the property if a permit is issued to the applicant.

BIND IN A REPORT IN THE FOLLOWING ORDER:

- Copy of the signed application form & application checklist (des.nh.gov/organization/divisions/water/aot/index.htm)
- Copy of the check
- Copy of the USGS map with the property boundaries outlined (1" = 2,000' scale)
- Narrative of the project with a summary table of the peak discharge rate for the off-site discharge points
- Web GIS printout with the "Surface Water Impairments" layer turned on - <http://www4.des.state.nh.us/onestopdatamapper/onestopmapper.aspx>
- Web GIS printouts with the AOT screening layers turned on - <http://www4.des.state.nh.us/onestopdatamapper/onestopmapper.aspx>
- NHB letter using DataCheck Tool – www.nhdf.org/about-forests-and-lands/bureaus/natural-heritage-bureau/
- The Web Soil Survey Map with project's watershed outlined – websoilsurvey.nrcs.usda.gov
- Aerial photograph (1" = 2,000' scale with the site boundaries outlined)
- Photographs representative of the site
- Groundwater Recharge Volume calculations (one worksheet for each permit application): des.nh.gov/organization/divisions/water/aot/documents/bmp_worksh.xls
- BMP worksheets (one worksheet for each treatment system): des.nh.gov/organization/divisions/water/aot/documents/bmp_worksh.xls
- Drainage analysis, stamped by a professional engineer (see Application Checklist for details)
- Riprap apron or other energy dissipation or stability calculations
- Site Specific Soil Survey report, stamped and with a certification note prepared by the soil scientist that the survey was done in accordance with the Site Specific Soil Mapping standards, *Site-Specific Soil Mapping Standards for NH & VT, SSSNNE Special Publication No. 3*.
- Infiltration Feasibility Report (example online) [Env-Wq 1503.08(f)(3)]
- Registration and Notification Form for Storm Water Infiltration to Groundwater (UIC Registration-for underground systems only, including drywells and trenches): http://des.nh.gov/organization/divisions/water/dwgb/dwspp/gw_discharge
- Inspection and maintenance manual with, if applicable, long term maintenance agreements [Env-Wq 1503.08(g)]
- Source control plan

PLANS:

- One set of design plans on 34 - 36" by 22 - 24" white paper (see Application Checklist for details)
- Pre & post-development color coded soil plans on 11" x 17" (see Application Checklist for details)
- Pre & post-development drainage area plans on 34 - 36" by 22 - 24" white paper (see Application Checklist for details)

100-YEAR FLOODPLAIN REPORT:

- All information required in Env-Wq 1503.09, submitted as a separate report.

ADDITIONAL INFORMATION RE: NUTRIENTS, CLIMATE

- See Checklist for Details

- REVIEW APPLICATION FOR COMPLETENESS & CONFIRM INFORMATION LISTED ON THE APPLICATION IS INCLUDED WITH SUBMITTAL.**

12. REQUIRED SIGNATURES

JF By initialing here, I acknowledge that I am required by Env-Wq 1503.20(e) to submit a copy of all approved documents to the department in PDF format on a CD within one week after permit approval.

By signing below, I certify that:

- The information contained in or otherwise submitted with this application is true, complete, and not misleading to the best of my knowledge and belief;
- I understand that the submission of false, incomplete, or misleading information constitutes grounds for the department to deny the application, revoke any permit that is granted based on the information, and/or refer the matter to the board of professional engineers established by RSA 310-A:3 if I am a professional engineer; and
- I understand that I am subject to the penalties specified in New Hampshire law for falsification in official matters, currently RSA 641.

APPLICANT



APPLICANT'S AGENT:

Signature: _____

Date: 5/27/2021

Name (print or type): Jeremy Fennell

Title: Senior Environmental Specialist

PROPERTY OWNER

PROPERTY OWNER'S AGENT:

Signature: _____

Date: _____

Name (print or type): _____

Title: _____

ATTACHMENT A: ALTERATION OF TERRAIN PERMIT APPLICATION CHECKLIST

Check the box to indicate the item has been provided or provide an explanation why the item does not apply.

DESIGN PLANS

- Plans printed on 34 - 36" by 22 - 24" white paper
- PE stamp
- Wetland delineation
- Temporary erosion control measures
- Treatment for all stormwater runoff from impervious surfaces such as roadways (including gravel roadways), parking areas, and non-residential roof runoff. Guidance on treatment BMPs can be found in Volume 2, Chapter 4 of the NH Stormwater Management Manual.
- Pre-existing 2-foot contours
- Proposed 2-foot contours
- Drainage easements protecting the drainage/treatment structures
- Compliance with the Wetlands Bureau, RSA 482- A <http://des.nh.gov/organization/divisions/water/wetlands/index.htm>. Note that artificial detention in wetlands is not allowed.
- Compliance with the Comprehensive Shoreland Protection Act, RSA 483-B. <http://des.nh.gov/organization/divisions/water/wetlands/cspa>
- Benches. Benching is needed if you have more than 20 feet change in elevation on a 2:1 slope, 30 feet change in elevation on a 3:1 slope, 40 feet change in elevation on a 4:1 slope.
- Check to see if any proposed ponds need state Dam permits.
<http://des.nh.gov/organization/divisions/water/dam/documents/damdef.pdf>

DETAILS

- Typical roadway x-section
- Detention basin with inverts noted on the outlet structure
- Stone berm level spreader
- Outlet protection – riprap aprons
- A general installation detail for an erosion control blanket
- Silt fences or mulch berm
- Storm drain inlet protection. Note that since hay bales must be embedded 4 inches into the ground, they are not to be used on hard surfaces such as pavement.
- Hay bale barriers
- Stone check dams
- Gravel construction exit
- Temporary sediment trap
- The treatment BMP's proposed
- Any innovative BMP's proposed

CONSTRUCTION SEQUENCE/EROSION CONTROL

- Note that the project is to be managed in a manner that meets the requirements and intent of RSA 430:53 and Chapter Agr 3800 relative to invasive species.
- Note that perimeter controls shall be installed prior to earth moving operations.
- Note that temporary water diversion (swales, basins, etc) must be used as necessary until areas are stabilized.
- Note that ponds and swales shall be installed early on in the construction sequence (before rough grading the site).
- Note that all ditches and swales shall be stabilized prior to directing runoff to them.
- Note that all roadways and parking lots shall be stabilized within 72 hours of achieving finished grade.
- Note that all cut and fill slopes shall be seeded/loamed within 72 hours of achieving finished grade
- Note that all erosion controls shall be inspected weekly AND after every half-inch of rainfall.
- Note the limits on the open area allowed, see Env-Wq 1505.02 for detailed information.

Example note: 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.

- Note the definition of the word “stable”

Example note: An area shall be considered stable if one of the following has occurred:

- Base course gravels have been installed in areas to be paved.
- A minimum of 85 percent vegetated growth has been established.
- A minimum of 3 inches of non-erosive material such stone or riprap has been installed.
- Or, erosion control blankets have been properly installed.

- Note the limit of time an area may be exposed
Example note: All areas shall be stabilized within 45 days of initial disturbance.

- Provide temporary and permanent seeding specifications. (Reed canary grass is listed in the Green Book; however, this is a problematic species according to the Wetlands Bureau and therefore should not be specified)

- Provide winter construction notes that meet or exceed our standards.

Standard Winter Notes:

- All proposed vegetated areas that do not exhibit a minimum of 85 percent vegetative growth by October 15, or which are disturbed after October 15, shall be stabilized by seeding and installing 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 on frozen ground and shall be completed in advance of thaw or spring melt events.
 - All ditches or swales which do not exhibit a minimum of 85 percent vegetative growth by October 15, or which are disturbed after October 15, shall be stabilized temporarily with stone or erosion control blankets appropriate for the design flow conditions.
 - After October 15, 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 per NHDOT item 304.3.
- Note at the end of the construction sequence that “Lot disturbance, other than that shown on the approved plans, shall not commence until after the roadway has the base course to design elevation and the associated drainage is complete and stable.” – This note is applicable to single/duplex family subdivisions, when lot development is not part of the permit.

DRAINAGE ANALYSES

Please double-side 8 1/2" x 11" sheets where possible but, **do not** reduce the text such that more than one page fits on one side.

- PE stamp
- Rainfall amount obtained from the Northeast Regional Climate Center- <http://precip.eas.cornell.edu/>. Include extreme precipitation table as obtained from the above referenced website.
- Drainage analyses, in the following order:
- Pre-development analysis: Drainage diagram.
 - Pre-development analysis: Area Listing and Soil Listing.
 - Pre-development analysis: Node listing 1-year (if applicable), 2-year, 10-year and 50-year.
 - Pre-development analysis: Full summary of the 10-year storm.
 - Post-development analysis: Drainage diagram.
 - Post-development analysis: Area Listing and Soil Listing.
 - Post-development analysis: Node listing for the 2-year, 10-year and 50-year.
 - Post-development analysis: Full summary of the 10-year storm.
- Review the Area Listing and Soil Listing reports
- Hydrologic soil groups (HSG) match the HSGs on the soil maps provided.
 - There is the same or less HSG A soil area after development (check for each HSG).
 - There is the same or less "woods" cover in the post-development.
 - Undeveloped land was assumed to be in "good" condition.
 - The amount of impervious cover in the analyses is correct.

Note: A good check is to subtract the total impervious area used in the pre analysis from the total impervious area used in the post-analysis. For residential projects without demolition occurring, a good check is to take this change in impervious area, subtract out the roadway and divide the remaining by the number of houses/units proposed. Do these numbers make sense?

- Check the storage input used to model the ponds.
- Check to see if the artificial berms pass the 50-year storm, i.e., make sure the constructed berms on ponds are not overtopped.
- Check the outlet structure proposed and make sure it matches that modeled.
- Check to see if the total areas in the pre and post analyses are same.
- Confirm the correct NRCS storm type was modeled (Coos, Carroll & Grafton counties are Type II, all others Type III).

PRE- AND POST-DEVELOPMENT DRAINAGE AREA PLANS

- Plans printed on 34 - 36" by 22 - 24" on white paper.
- Submit these plans separate from the soil plans.
- A north arrow.
- A scale.
- Labeled subcatchments, reaches and ponds.
- Tc lines.
- A clear delineation of the subcatchment boundaries.
- Roadway station numbers.
- Culverts and other conveyance structures.

PRE AND POST-DEVELOPMENT COLOR-CODED SOIL PLANS

- 11" × 17" sheets suitable, as long as it is readable.
- Submit these plans separate from the drainage area plans.
- A north arrow.
- A scale.
- Name of the soil scientist who performed the survey and date the soil survey took place.
- 2-foot contours (5-foot contours if application is for a gravel pit) as well as other surveyed features.
- Delineation of the soil boundaries and wetland boundaries.
- Delineation of the subcatchment boundaries.
- Soil series symbols (e.g., 26).
- A key or legend which identifies each soil series symbol and its associated soil series name (e.g., 26 = Windsor).
- The hydrologic soil group color coding (A = Green, B = yellow, C= orange, D=red, Water=blue, & Impervious = gray).

Please note that excavation projects (e.g., gravel pits) have similar requirements to that above, however the following are common exceptions/additions:

- Drainage report is not needed if site does not have off-site flow.
- 5 foot contours allowed rather than 2 foot.
- No PE stamp needed on the plans.
- Add a note to the plans that the applicant must submit to the Department of Environmental Services a written update of the project and revised plans documenting the project status every five years from the date of the Alteration of Terrain permit.
- Add reclamation notes.

See NRCS publication titled: *Vegetating New Hampshire Sand and Gravel Pits* for a good resource, it is posted online at: <http://des.nh.gov/organization/divisions/water/aot/categories/publications>.

ADDITIONAL INFORMATION RE: NUTRIENTS, CLIMATE

- If project will discharge stormwater to a surface water impaired for phosphorus and/or nitrogen, include information to demonstrate that project will not cause net increase in phosphorus and/or nitrogen.
- If project will discharge stormwater to a Class A surface water or Outstanding Resource Water, include information to demonstrate that project will not cause net increase in phosphorus and/or nitrogen.
- If project will discharge stormwater to a lake or pond not covered previously, include information to demonstrate that project will not cause net increase in phosphorus in the lake or pond.
- If project is within a Coastal/Great Bay Region community, include info required by Env-Wq 1503.08(l) if applicable.

NHDES ALTERATION OF TERRAIN PERMIT APPLICATION

Appendix B Abutters List
June 2, 2021

Appendix B ABUTTERS LIST





Appendix B: Abutters List

D142 TRANSMISSION LINE STRUCTURE REPLACEMENT

Whitefield, Lancaster, and Northumberland, New Hampshire

Table 1. Abutters List: Parcels Intersecting AoT Project Area

Whitefield Tax Map-Lot	Lancaster Tax Map-Lot	Northumberland Tax Map-Lot
Area A	Area B	Area D
216-25	R24-46	247-1
216-27	R24-47	247-2-1
216-28	R24-48	247-2-2
221-25	R24-62	247-2-3
221-26	R24-63	247-2-4
225-12	R24-64	251-18
225-13	Area C	251-27
225-6	R10-13	252-7
226-46	R10-14	Area E
226-49	R11-77	231-1
Area B	R11-79	234-17
201-1	R3-10	247-7
201-2	R5-1	Area F
204-10	R5-3	106-38
206-1	R5-5	223-1
206-2	R5-8	224-12
206-3	Area D	224-7
206-5	R3-10	226-3
213-17	R3-5	226-4
213-21	R3-6	226-6
214-10	R3-8	231-1
214-11.1		
214-5		
216-19		
216-21		

NHDES ALTERATION OF TERRAIN PERMIT APPLICATION

Appendix C NHDHR Response
June 2, 2021

Appendix C NHDHR RESPONSE



Please mail the completed form and required material to:

New Hampshire Division of Historical Resources
State Historic Preservation Office
Attention: Review & Compliance
19 Pillsbury Street, Concord, NH 03301-3570

RECEIVED

MAR 15 2021

DHR Use Only	
R&C #	12532
Log In Date	3/15/21
Response Date	3/22/21
Sent Date	3/25/21

Request for Project Review by the New Hampshire Division of Historical Resources

- This is a new submittal
- This is additional information relating to DHR Review & Compliance (R&C) #:

GENERAL PROJECT INFORMATION
Project Title D142 Line Rebuild Project (ESNH-2021-003)
Project Location Eversource Energy transmission line right-of-way
City/Town Whitefield to Northumberland Tax Map Lot #
NH State Plane - Feet Geographic Coordinates: Easting 292257 Northing 4917247 (See RPR Instructions and R&C FAQs for guidance.) 999648 684790
Lead Federal Agency and Contact (if applicable) U.S. Army Corps of Engineers (Agency providing funds, licenses, or permits) Permit Type and Permit or Job Reference # Dredge and Fill
State Agency and Contact (if applicable) New Hampshire Department of Environmental Services Permit Type and Permit or Job Reference # Wetlands and AoT
APPLICANT INFORMATION
Applicant Name Eversource Energy c/o Jeremy Fennell
Mailing Address 13 Legends Drive Phone Number 603-634-3396
City Hooksett State NH Zip 03106 Email jeremy.fennell@eversource.com
CONTACT PERSON TO RECEIVE RESPONSE
Name/Company Kara Moody / Stantec
Mailing Address 30 Park Drive Phone Number 207-887-3819
City Topsham State ME Zip 04086 Email kara.moody@stantec.com

This form is updated periodically. Please download the current form at www.nh.gov/nhdhr/review. Please refer to the Request for Project Review Instructions for direction on completing this form. Submit one copy of this project review form for each project for which review is requested. **Include a self-addressed stamped envelope** to expedite review response. Project submissions will not be accepted via facsimile or e-mail. This form is required. Review request form must be complete for review to begin. Incomplete forms will be sent back to the applicant without comment. Please be aware that this form may only initiate consultation. For some projects, additional information will be needed to complete the Section 106 review. All items and supporting documentation submitted with a review request, including photographs and publications, will be retained by the DHR as part of its review records. Items to be kept confidential should be clearly identified. For questions regarding the DHR review process and the DHR's role in it, please visit our website at: www.nh.gov/nhdhr/review or contact the R&C Specialist at marika.labash@dncr.nh.gov or 603.271.3558.

PROJECTS CANNOT BE PROCESSED WITHOUT THIS INFORMATION

Project Boundaries and Description

- Attach the Project Mapping **using EMMIT or relevant portion of a 7.5' USGS Map.** (See RPR Instructions and R&C FAQs for guidance.)
- Attach a detailed narrative description of the proposed project.
- Attach a site plan. The site plan should include the project boundaries and areas of proposed excavation.
- Attach photos of the project area (overview of project location and area adjacent to project location, and specific areas of proposed impacts and disturbances.) (Informative photo captions are requested.)
- A DHR records search must be conducted to identify properties within or adjacent to the project area. Provide records search results via EMMIT or in **Table 1.** (Blank table forms are available on the DHR website.)
EMMIT or in-house records search conducted on 2/15/21.

Architecture

Are there any buildings, structures (bridges, walls, culverts, etc.) objects, districts or landscapes within the project area? Yes No
If no, skip to Archaeology section. If yes, submit all of the following information:

Approximate age(s):

- Photographs of **each** resource or streetscape located within the project area, with captions, along with a mapped photo key. (Digital photographs are accepted. All photographs must be clear, crisp and focused.)
- If the project involves rehabilitation, demolition, additions, or alterations to existing buildings or structures, provide additional photographs showing detailed project work locations. (i.e. Detail photo of windows if window replacement is proposed.)

Archaeology

Does the proposed undertaking involve ground-disturbing activity? Yes No
If yes, submit all of the following information:

- Description of current and previous land use and disturbances.
- Available information concerning known or suspected archaeological resources within the project area (such as cellar holes, wells, foundations, dams, etc.)

Please note that for many projects an architectural and/or archaeological survey or other additional information may be needed to complete the Section 106 process.

DHR Comment/Finding Recommendation *This Space for Division of Historical Resources Use Only*

- Insufficient information to initiate review. Additional information is needed in order to complete review.
- No Potential to cause Effects No Historic Properties Affected No Adverse Effect Adverse Effect

Comments: SITE 27-CO-0098 TO BE FLAGGED PRIOR TO CONSTRUCTION
TO AVOID INADVERTENT IMPACTS. ACCESS ROAD + WALKPAD TO
AVOID SITE - TO BE MARKED FOR GROUND PROTECTION.

If plans change or resources are discovered in the course of this project, you must contact the Division of Historical Resources as required by federal law and regulation.

Authorized Signature: Nedie Melnik, DSTPO Date: 3/22/21