

Attachment F



**UTILITY PROJECTS;
 PROJECTS IN PUBLIC RIGHT-OF-WAY
 PROJECT-SPECIFIC WORKSHEET
 FOR STANDARD APPLICATION**
 Water Division/Land Resources Management
 Wetlands Bureau
[Check the Status of your Application](#)



RSA/Rule: RSA 482-A/ Env-Wt 521

APPLICANT LAST NAME, FIRST NAME, M.I.: UNH/Durham Water System

This worksheet summarizes the criteria and requirements for a Standard Permit for “Utility Projects; Projects in the Public Right-of-Way”, one of the 18 specific project types in Chapter Env-Wt 500. In addition to the project-specific criteria and requirements on this worksheet, all Standard Applications must meet the criteria and requirements listed in the Standard Application form (NHDES-W-06-012).

SECTION 1 - APPLICABILITY (Env-Wt 509.02(b); Env-Wt 521.01)

This worksheet is for residential utility projects and other utility projects within a public right-of-way.

Do **not** use this worksheet for utility projects that involve the construction of a substation, parking lot, or storage facility on utility property, which must be reviewed under the standards for commercial projects specified in Env-Wt 524.

Do **not** use this worksheet if the project is located in a coastal (tidal) area.

SECTION 2 - APPROVAL CRITERIA FOR UTILITY PROJECTS (Env-Wt 521.02)

Work may be done under Utility Statutory Permit-by-Notification (SPN) only if:

- The project meets the minimum impact criteria in Env-Wt 521.06(a);
- The project has only:
 - Temporary impacts associated with inspections, maintenance, and repair of existing utility assets and rights of way; and
 - Less than 3,000 square feet (SF) of permanent impacts for replacement of utility assets; and
- The project proponent agrees to follow the *Best Management Practices Manual, Utility Maintenance in and Adjacent to Wetlands and Waterbodies in New Hampshire* (Utility BMPs).

Work cannot be done under a Utility SPN if the project:

- Establishes one or more new permanent access roads in jurisdictional areas;
- Installs one or more permanent crossings of streams or wetlands, or both;
- Constructs one or more new utility corridors or rights-of-way;
- Installs new utility assets within existing utility corridors or rights-of-way;
- Does not meet the standard conditions in Env-Wt 307; or
- Otherwise exceeds the minimum impact criteria.

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

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SECTION 3 - APPROVAL CRITERIA FOR STANDARD UTILITY PERMITS (Env-Wt 521.03)

In addition to meeting the criteria established in Env-Wt 300, an application for a utility project must meet the following approval criteria:

- If the project as a whole crosses multiple properties, it is submitted as a single project and is not segmented into multiple proposed projects for the purpose of avoiding eligibility or classification requirements;
- The project is, to the greatest extent practicable, within existing rights-of-way and developed areas;
- Construction will be undertaken in the least environmentally-impactful manner; and
- If the project involves greater than one acre of contiguous permanent wetland or watercourse impact, an off-site alternatives analysis is done.

SECTION 4 - APPLICATION REQUIREMENTS FOR UTILITY PROJECTS (Env-Wt 521.04)

An application for a utility project must include the following project-specific information:

- A plan showing:
 - The extent and location of all wetlands and watercourses within the project area;
 - A wetland delineation, functional assessment, and impact analysis in accordance with Env-Wt 300;
 - The location of any existing utility corridors and facilities;
 - The location of the proposed utility corridors and facilities; and
 - The location of any proposed impacts, crossings, construction areas, and clearings;
- A recent aerial photograph of the project area overlain by the items specified above;
- An invasive species control plan;
- A construction sequence plan describing measures proposed to minimize impacts to water quality, impacts to nesting and breeding species, and to prevent compaction of wetlands soils;
- The locations of staging areas, off right-of-way access roads, temporary access roads, and new station locations;
- A description of the methods, techniques, vehicles, and equipment proposed to access and conduct the project; and

For a description of methods and techniques proposed to conduct the project, refer to the project narrative as required by the Standard Dredge and Fill Wetlands Permit Application. Vehicles and equipment used to access and conduct the project will be those of a typical utility improvement project including, but not limited to, work trucks, a dump truck, an excavator, a loader, and a roller/compactor.

- A description of measures proposed to minimize and avoid impacts to wetlands and surface waters.

Refer to Attachment A: Minor and Major Projects work sheet and the Avoidance and Minimization Checklist as required by the Standard Dredge and Fill Wetlands Permit Application.

SECTION 5 - DESIGN & CONSTRUCTION REQUIREMENTS FOR UTILITY PROJECTS (Env-Wt 521.05)

In addition to the design and construction requirements in Env-Wt 300, the following requirements apply to utility projects:

- The project must be designed to avoid and minimize construction access over, or work in or upon, organic soils;
- The project must be designed in accordance with Env-Wt 313.03;
- Construction access or work shall be prohibited in priority resource areas unless the work:
 - Is authorized as an SPN or a project type exception under Env-Wt 407; or
 - Causes only temporary impacts;
- All project activities must be performed, located, constructed, and maintained in accordance with the Utility BMPs;
- No project shall cause permanent filling of wetlands in excess of 10,000 SF unless mitigation is provided in accordance with Env-Wt 800; and
- Swamp mats shall be:
 - Used in any area necessary to provide access;
 - Removed as soon as the work is completed; and
 - In no case left in place longer than one growing season.

SECTION 6 - MAINTENANCE & REPAIR (Env-Wt 521.07)

- Maintenance and repair must be carried out in accordance with the Utility BMPs.

SECTION 7 - UTILITY PROJECT CLASSIFICATION (Env-Wt 521.06)

A utility project shall be a minimum impact project if the project meets all the following criteria:

- The project meets all applicable Utility BMPs and will have temporary impacts associated with inspection, maintenance, repair, replacement, or removal of existing utility facilities within existing rights-of-way;
- The project does not include establishing new access roads, installing permanent stream or wetland crossings, constructing new utility corridors or rights-of-way, or establishing new utility assets within existing corridors or rights-of-way;
- The project does not include any permanent fill in navigable waters;
- Impacts to any priority resource areas other than prime wetlands and duly-established 100-foot buffers are authorized by following the recommendations provided by the New Hampshire Natural Heritage Bureau (NHNHB), NH Department of Fish and Game (NHDFG), and the department in a pre-notification review meeting;
- Timber mats are:
 - Not used in a tidal marsh; and
 - Used in an area other than a tidal marsh only if they are:
 - Necessary to conduct activities;
 - Removed as soon as work is completed; and
 - In place no longer than one growing season;
- The project does not cause a permanent conversion of more than 3,000 SF in total of forested wetlands to emergent or scrub-shrub wetlands with or without temporary fill; and
- For private residential utility projects involving the installation of residential utility lines and associated temporary impacts to bring services to a single building lot:
 - The total jurisdictional impact will not exceed 3,000 SF;
 - Impact width at any wetland crossing will not exceed 20 feet;
 - Stream crossing channels will not exceed 8 feet wide measured bank to bank; and
 - Only swamps or wet meadows that have no standing water for 10 months of the year will be crossed.

A utility project shall be a minor impact project if the project:

- Includes the installation of one or more new permanent crossing(s) of a perennial stream;
- Establishes a new access road, new utility corridor or right-of-way, or new utility assets;
- Exceeds the Utility BMPs or any of the minimum impact criteria;
- Includes permanent conversion of forested wetlands to emergent or scrub-shrub wetlands with or without temporary fill; or
- For private residential utility projects, exceeds minimum impact criteria but does not exceed Env-Wt 400 project classification criteria.

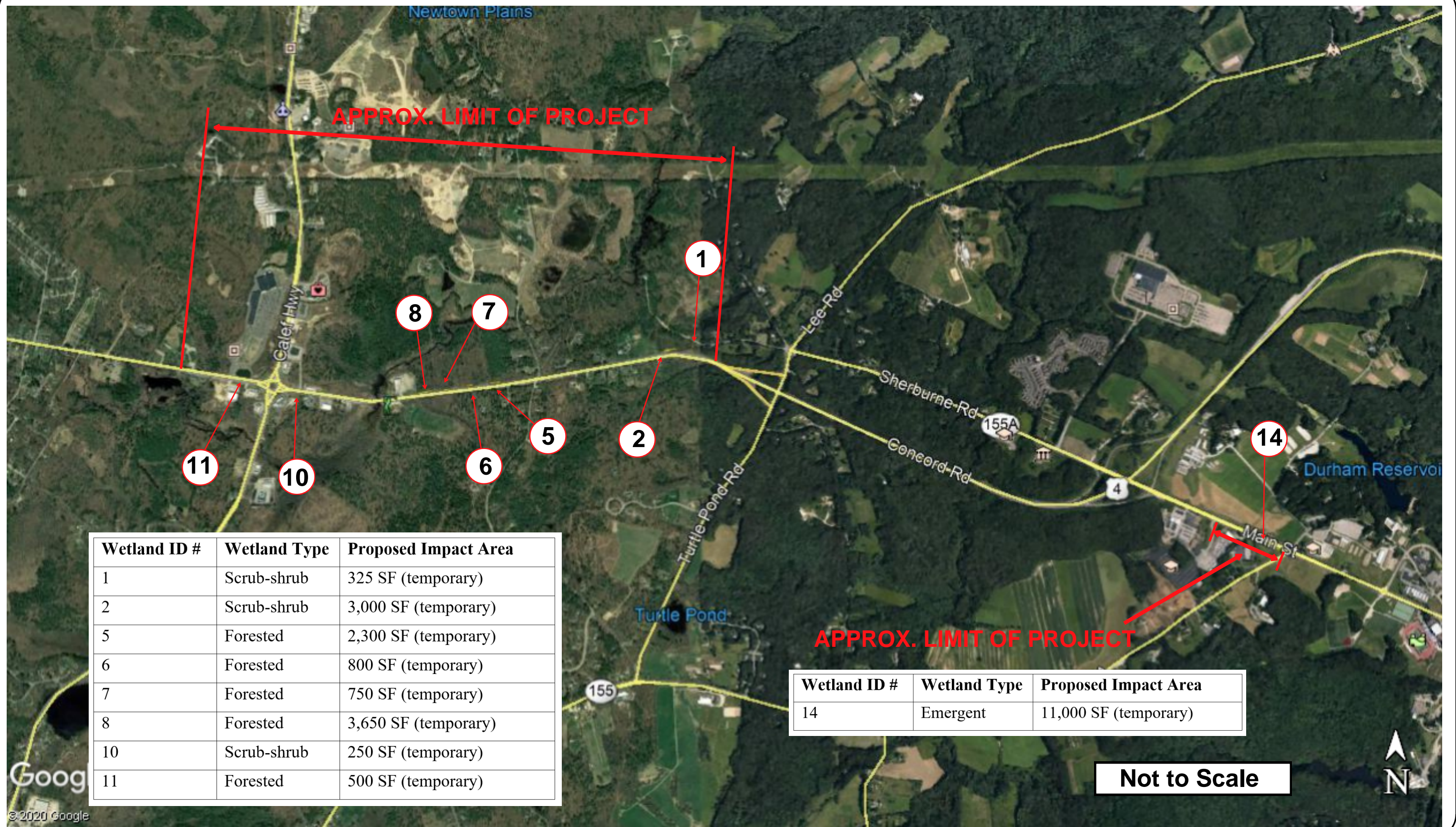
A utility project shall be a major impact project if:

- It does not meet the criteria for a minimum or minor impact project; or
- It meets the criteria for a minimum impact project, but:
 - Is located in a priority resource area and has impacts that cannot be addressed through recommendations by the NHNHB, NHDFG, or the department, as applicable; or
 - Requires mitigation under state or federal law.

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Wetland ID #	Wetland Type	Proposed Impact Area
1	Scrub-shrub	325 SF (temporary)
2	Scrub-shrub	3,000 SF (temporary)
5	Forested	2,300 SF (temporary)
6	Forested	800 SF (temporary)
7	Forested	750 SF (temporary)
8	Forested	3,650 SF (temporary)
10	Scrub-shrub	250 SF (temporary)
11	Forested	500 SF (temporary)

Wetland ID #	Wetland Type	Proposed Impact Area
14	Emergent	11,000 SF (temporary)

Not to Scale

Wetland ID numbering matches the numbering from the Wetland Functional Assessment prepared by Marc Jacobs, dated March 11, 2020. The functional assessment evaluated all wetlands within the project corridor. However, only wetlands with proposed impacts have been included.

DATE 4/20/2020	 UNDERWOOD engineers 25 Vaughan Mall, Portsmouth, N.H. 03801 Tel. 603-436-6192 Fax. 603-431-4733	WETLAND IMPACTS LOCATIONS TOWN OF LEE/TOWN OF DURHAM NEW HAMPSHIRE	FIG. 1
PROJECT 2274			



Legend
 [Yellow Polygon] Approximate Wetland Impact Area

Wetland 2

Wetland 1

Angell Rd

4

Google Earth

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Not to Scale

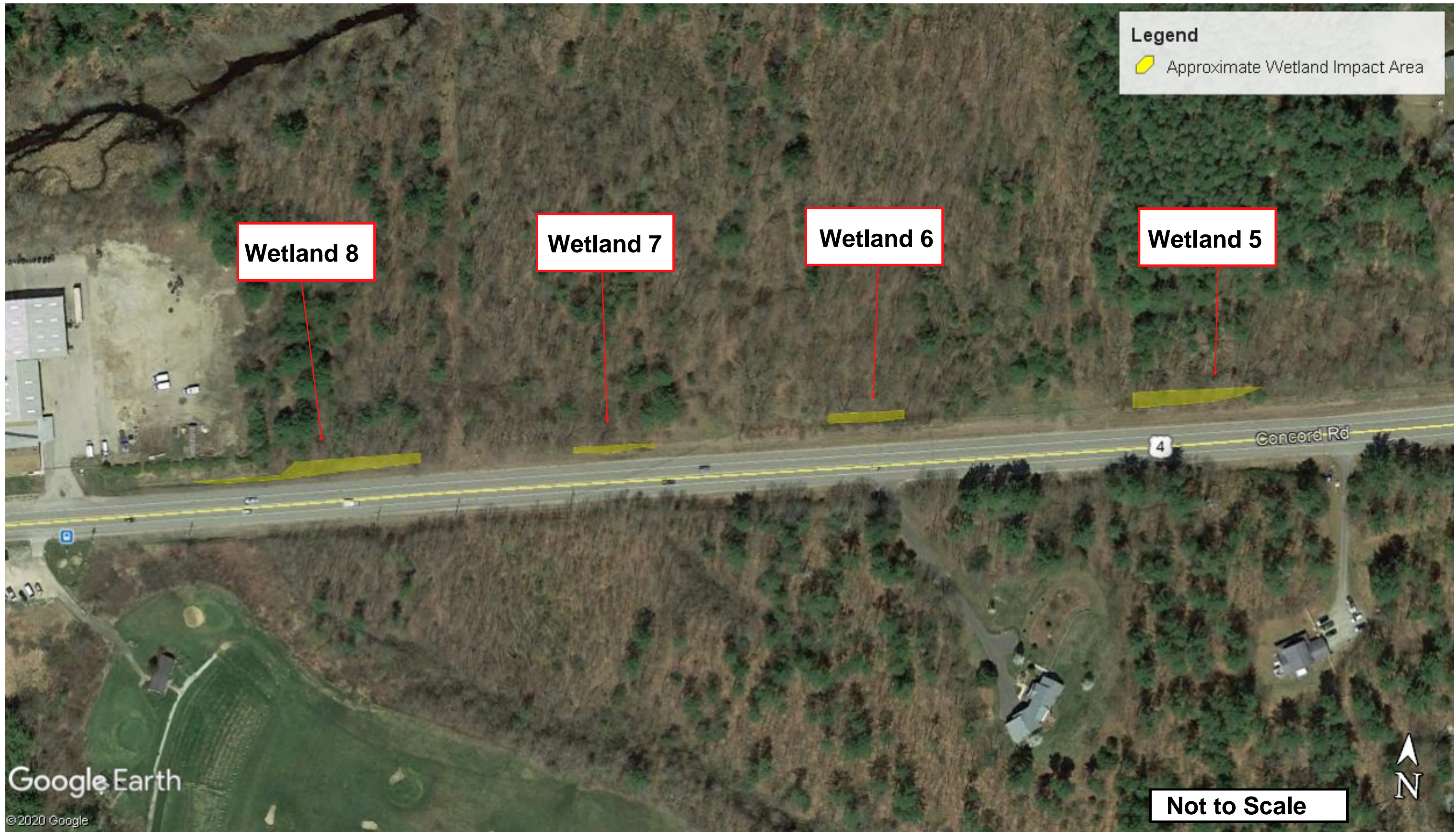


DATE
4/20/2020
PROJECT
2274

UNDERWOOD
engineers
25 Vaughan Mall, Portsmouth, N.H. 03801
Tel. 603-436-6192 Fax. 603-431-4733

ROUTE 4 WETLAND IMPACTS
TOWN OF LEE
NEW HAMPSHIRE

FIG.
2



Legend
 [Yellow Polygon] Approximate Wetland Impact Area

Wetland 8

Wetland 7

Wetland 6

Wetland 5

Concord Rd


4

Google Earth

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Not to Scale



DATE 4/20/2020	 UNDERWOOD engineers 25 Vaughan Mall, Portsmouth, N.H. 03801 Tel. 603-436-6192 Fax. 603-431-4733	ROUTE 4 WETLAND IMPACTS TOWN OF LEE NEW HAMPSHIRE	FIG.
PROJECT 2274			3



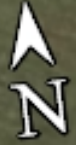
DATE 4/20/2020	UNDERWOOD engineers 25 Vaughan Mall, Portsmouth, N.H. 03801 Tel. 603-436-6192 Fax. 603-431-4733	ROUTE 4 WETLAND IMPACTS TOWN OF LEE NEW HAMPSHIRE	FIG. 4
PROJECT 2274			



Legend
 [Yellow Polygon] Approximate Wetland Impact Area

Wetland 14

Not to Scale



Google Earth

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DATE 4/20/2020	 UNDERWOOD engineers	MAIN STREET WETLAND IMPACTS TOWN OF DURHAM NEW HAMPSHIRE	FIG. 5
PROJECT 2274	25 Vaughan Mall, Portsmouth, N.H. 03801 Tel. 603-436-6192 Fax. 603-431-4733		