

Technical Memorandum

**To: Nadine Miller, New Hampshire Division of Historical Resources
Lindsey Lefebvre, United States Army Corps of Engineers
Pamela Monroe, New Hampshire Site Evaluation Committee**

From: Brooke Kenline-Nyman, Eversource Energy

Date: August 26, 2019

Subject: Seacoast Reliability Project (RPR# 6528; NAE-2015-00665)

The following memorandum presents information on four newly identified historic stone walls documented during the pre-construction stone wall survey conducted by surveyors for Eversource Energy's Seacoast Reliability Project ("Project"). A brief description of the stone walls is provided along with locational information, photographic documentation, and proposed treatment plans. The walls have been added to Project construction map sheets.

All four stone walls or stone wall segments are located within the Project right-of-way (ROW) in the Town of Newington, New Hampshire. The new resources were labeled WP-42B, WP-46, WP-47, and WP-48 to conform with the existing naming convention. None of the newly identified stone walls are property boundary walls, nor are they located within the boundaries of any inventoried historic districts or are associated with any known historic resources.

Stone wall segment WP-42B is located on the south side of the ROW, east of Nimble Hill Rd and north of Hannah Lane (see Figures 1–4). The wall consists of two small segments, positioned at right angles, and is covered by dense vegetation (see Appendix A, Sheet 1). Both segments of the wall are simple, linear stone alignments and consist of a single course of native stones that vary in size from approximately one to three feet in diameter. The wall lacks integrity and may have been affected by past activities on the ROW; many of the stones are either buried or are flush with the ground surface. An existing breach, measuring approximately 12 feet wide, is located near the northwest corner of the wall.

Stone wall segment WP-46 is located on the southwest portion of the ROW, west of the Spaulding Turnpike and south of the newly constructed on-ramp (see Figures 1–2; 5–6; Appendix A, Sheet 2). The stone wall is an unmaintained common boundary wall, most likely truncated by the construction of the Turnpike. The stone wall consists of one to two courses of loosely stacked native stone and is characterized as a minimal stone

wall in a single alignment with numerous dislodged stones. The wall is perpendicular to the ROW and is covered by dense invasive vegetation.

Stone wall segment WP-47 is located west of the Spaulding Turnpike and east of Arboretum Road (see Figures 1–2; 7–8; Appendix A, Sheet 3). The stone wall is an unmaintained common boundary wall, most likely truncated by the construction of the Turnpike. The stone wall is situated on a small raised landform surrounded by wetland and runs perpendicular to the ROW. The surrounding area is forested with sparse understory vegetation. The wall is composed of one to two courses of native stone and is characterized as a minimal stone wall in a single alignment with numerous dislodged stones.

Stone wall segment WP-48 is located west of the Spaulding Turnpike and north of Pease Boulevard (see Figures 1–2; 9–10; Appendix A, Sheet 4). The stone wall is an unmaintained common boundary wall, most likely truncated by the construction of the Turnpike. The stone wall is located on a forested upland with sparse understory vegetation. The wall is composed of one to two courses of native stone and is characterized as a minimal stone wall in a single alignment with numerous dislodged stones.

Proposed Treatment

Eversource Energy proposes to avoid impacts while managing access around the newly identified historic stone walls through the implementation of one or more of the following four measures to include: (a) not traversing the wall, (b) traversing the wall through an existing breach, (c) traversing the wall using timber matting to temporarily bridge over the wall, and/or (d) placing the work pad on top of timber matting to elevate the work pad above the wall.

Table 1. Proposed Project Treatment Plans for Newly Identified Historic Stone Walls

Stone Wall	Town	Proposed Treatment
WP-42B	Newington	Four measures – avoidance
WP-46	Newington	Four measures – avoidance
WP-47	Newington	Four measures – use timber matting to temporarily bridge over wall
WP-48	Newington	Four measures – use timber matting to elevate work pad above wall, if necessary

Specifically, impacts to stone walls WP-42B and WP-46 are expected to be avoided by not traversing the wall. Access around stone wall WP-47 will be managed by using timber matting to temporarily bridge over the wall and stone wall WP-48 will either be avoided, or timber matting will be used to elevate the work pad above the wall.

Eversource will also use best management practices including the use of temporary protective barrier fencing at selected locations along these walls during construction to avoid physical impacts to the resources.

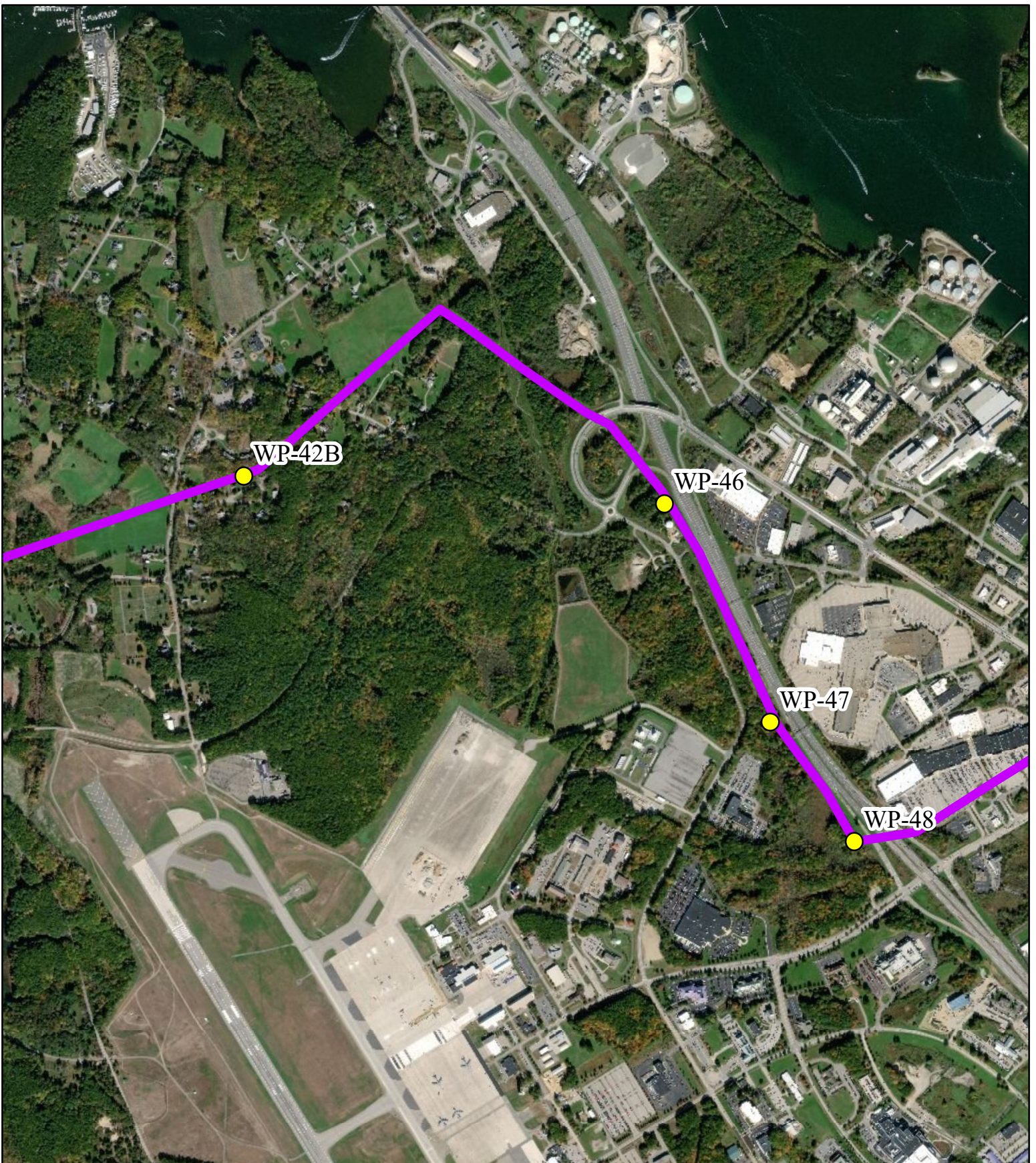
If you have any questions, please feel free to call me at 603-634-2147 or email me at brooke.kenline-nyman@eversource.com.

Sincerely,



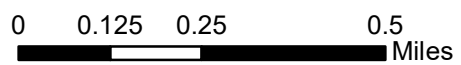
Brooke Kenline-Nyman
Eversource Energy
Cultural Resource Specialist

Cc: David Trubey, DHR
Matt Cardin, Eversource
Phil Barthel, Eversource



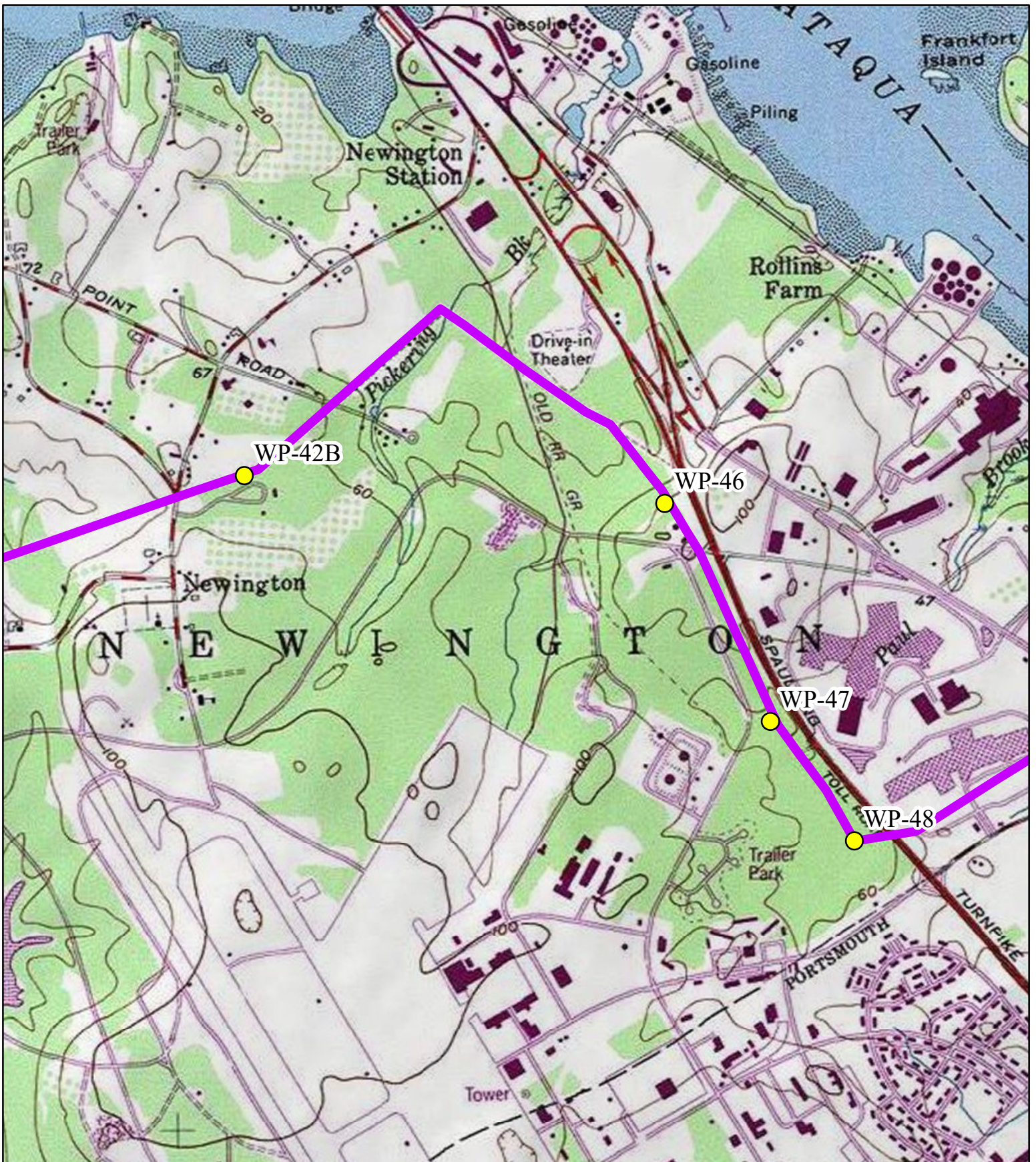
Seacoast Reliability Project - Newington, NH

- Newly Identified Stone Wall
- Project Route



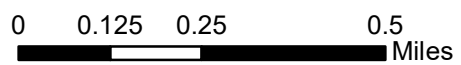
Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Figure 1. Newly identified stone walls on aerial photograph. 4



Seacoast Reliability Project - Newington, NH

- Newly Identified Stone Wall
- Project Route

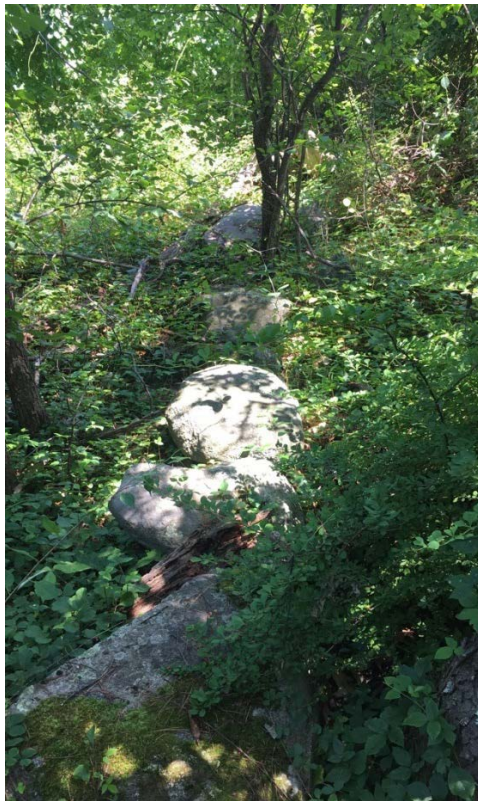


Service Layer Credits: Copyright:© 2013 National Geographic Society, i-cubed

Figure 2. Newly identified stone walls on topographical map. 5



Figures 3 (left) and 4 (right). Stone wall WP-42B, facing northwest (left) northeast (right).



Figures 5 (left) and 6 (right). Stone wall WP-46, facing northeast.



Figure 7. Stone wall WP-47, facing northwest.



Figure 8. Stone wall WP-47, facing northeast.



Figure 9. Stone wall WP-48, facing northwest.



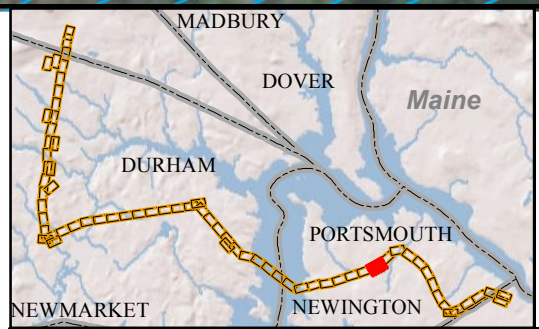
Figure 10. Stone wall WP-48, facing southeast

Appendix A:
Newly Identified Stone Walls
on Project Construction Maps



F107-107 Construction Structure #s
 LL# 417.07 Bhaman Sharifipour Revocable Trust, Sharifipour, Bhaman Trustee

- | | | |
|--|--|---|
| <p>Structures</p> <ul style="list-style-type: none"> ● Direct Embed ■ Drilled Pier ▲ Relocated Distribution ⊙ Existing Str (Remain) △ Existing Str (Removed/Modified) ⊗ Guy Wire ▨ Property with MOU ▭ Parcel Boundary ▭ Town Boundary | <p>Workpad</p> <ul style="list-style-type: none"> ▭ Project Area ⊘ Stonewall (Rev. 8-2019) — NH DOT Right-of-way — Access Road Needing Timbermatting - - - Access Road - . . . Access Rd. Pending Owner Approval — 2ft Contour | <p>Roads</p> <ul style="list-style-type: none"> ~ Local ~ Not Maintained ~ Private ~ State ~ Railroad ▨ Elevate Workpad at Stonewall |
|--|--|---|



Seacoast Reliability Project

Newly Identified Stonewalls

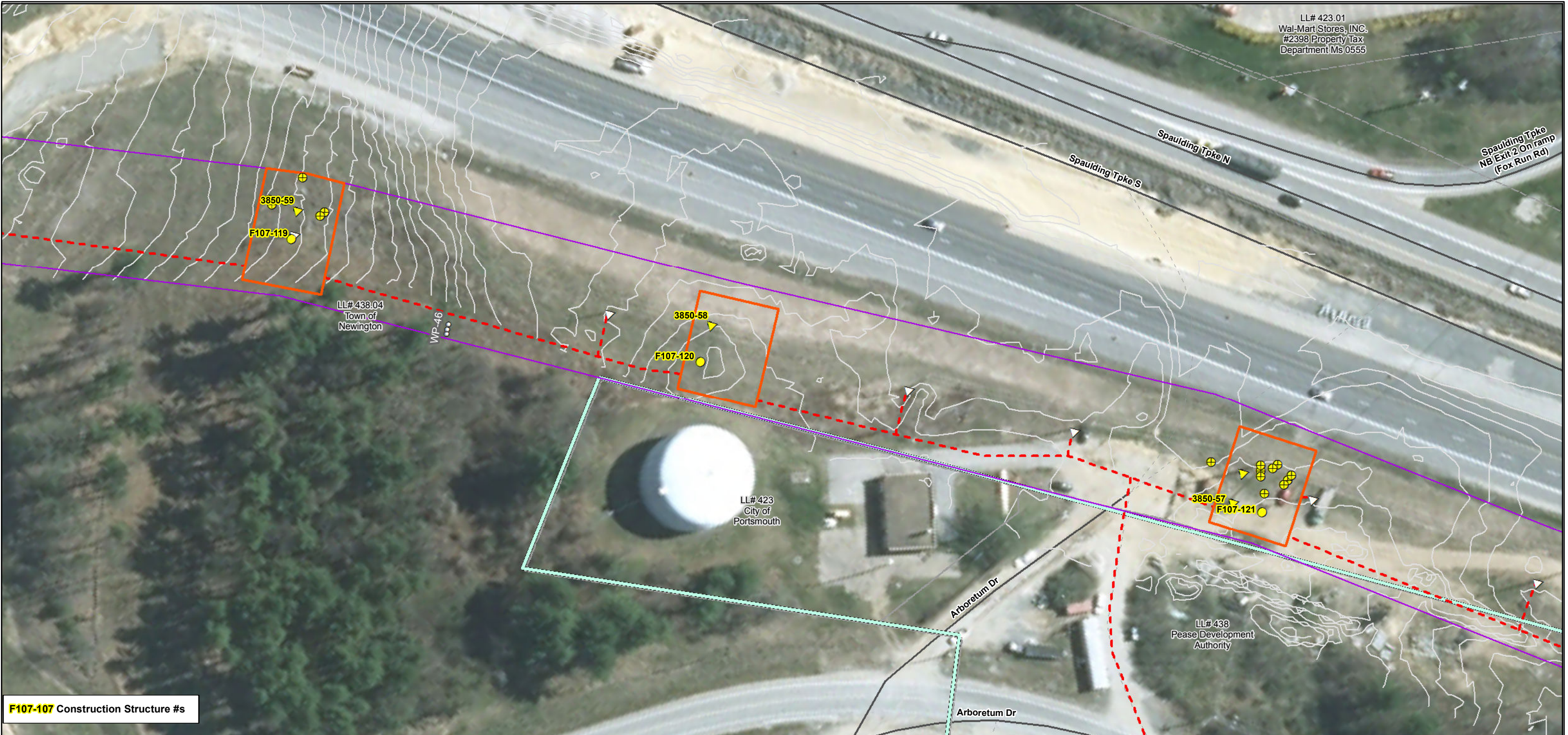


Service Layer Credits: Copyright:(c) 2014 Esri, granit.edu aerial photos 2015.

0 37.5 75 150 Feet

LL# 423.01
Wal-Mart Stores, INC.
#2398 Property Tax
Department Ms 0555

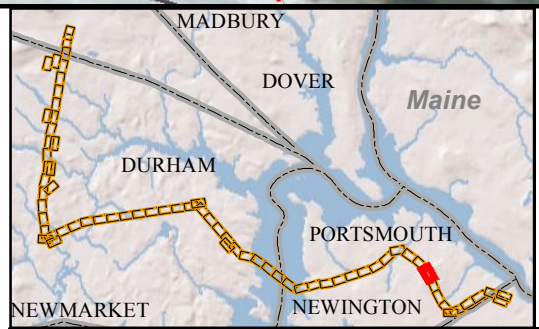
Spaulding Tpke
NB Exit 2 On ramp
(Fox Run Rd)



F107-107 Construction Structure #s

Drawn By: dpelleiter
Project No: 22860_003

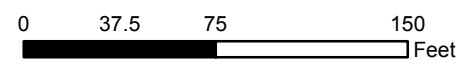
Structures	Workpad	Roads
● Direct Embed	Workpad	Local
■ Drilled Pier	Project Area	Not Maintained
▲ Relocated Distribution	Stonewall (Rev. 8-2019)	Private
⊙ Existing Str (Remain)	NH DOT Right-of-way	State
△ Existing Str (Removed/Modified)	Access Road Needing Timbermatting	Railroad
⊗ Guy Wire	Access Road	Elevate Workpad at Stonewall
▭ Property with MOU	Access Rd. Pending Owner Approval	
▭ Parcel Boundary	2ft Contour	
▭ Town Boundary		



Seacoast Reliability Project

Newly Identified Stonewalls

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LL# 424.05
Owner to be
Determined

LL# 438.04
Town of
Newington

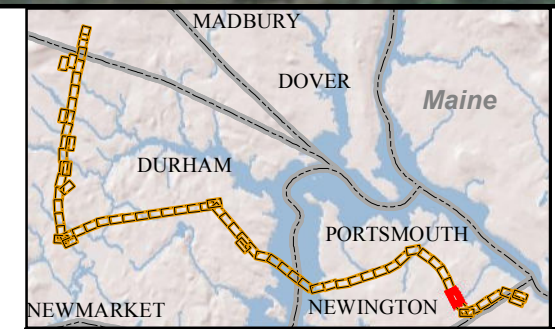
LL# 438
Pease Development
Authority



F107-107 Construction Structure #s

Drawn By: dpelletier
Project No: 22860_003

- | | | |
|--|---|---|
| <p>Structures</p> <ul style="list-style-type: none"> ● Direct Embed ■ Drilled Pier ▲ Relocated Distribution ⊙ Existing Str (Remain) △ Existing Str (Removed/Modified) ⊗ Guy Wire ▭ Property with MOU ▭ Parcel Boundary ▭ Town Boundary | <p>Workpad</p> <ul style="list-style-type: none"> ▭ Workpad ▭ Project Area ⊘ Stonewall (Rev. 8-2019) ▭ NH DOT Right-of-way ▭ Access Road Needing Timbermatting ▭ Access Road ▭ Access Rd. Pending Owner Approval ▭ 2ft Contour | <p>Roads</p> <ul style="list-style-type: none"> ▭ Local ▭ Not Maintained ▭ Private ▭ State ▭ Railroad ▭ Elevate Workpad at Stonewall |
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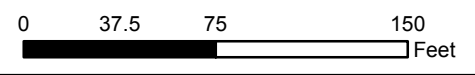


Seacoast Reliability Project

Newly Identified Stonewalls



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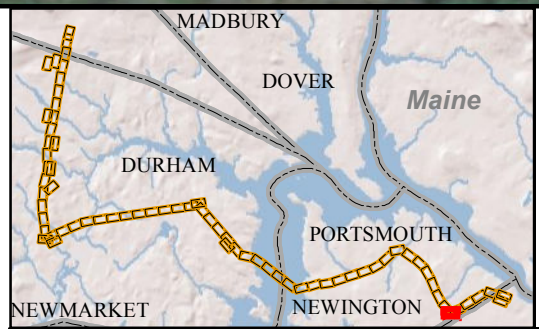
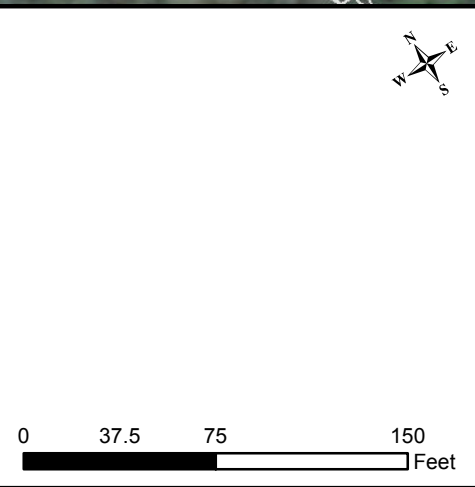




F107-107 Construction Structure #s

Drawn By: dpelletier
 Project No: 22860_003

- | | | |
|---|--|--|
| Structures
<ul style="list-style-type: none"> ● Direct Embed ■ Drilled Pier ▲ Relocated Distribution ○ Existing Str (Remain) △ Existing Str (Removed/Modified) ⊗ Guy Wire ▭ Property with MOU ▭ Parcel Boundary ▭ Town Boundary | <ul style="list-style-type: none"> ▭ Workpad ▭ Project Area Stonewall (Rev. 8-2019) NH DOT Right-of-way Access Road Needing Timbermatting Access Road Access Rd. Pending Owner Approval 2ft Contour | Roads
<ul style="list-style-type: none"> Local Not Maintained Private State Railroad ▭ Elevate Workpad at Stonewall |
|---|--|--|



Seacoast Reliability Project

Newly Identified Stonewalls



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