

City of Portsmouth

Department of Public Works

MEMORANDUM

TO: Samantha Collins, Conservation Commission Chair

CC: Peter Britz, Director of Planning and Sustainability
Kate Homet, Associate Environmental Planner

FROM: Christine Sproviero, Project Manager

DATE: June 7, 2024

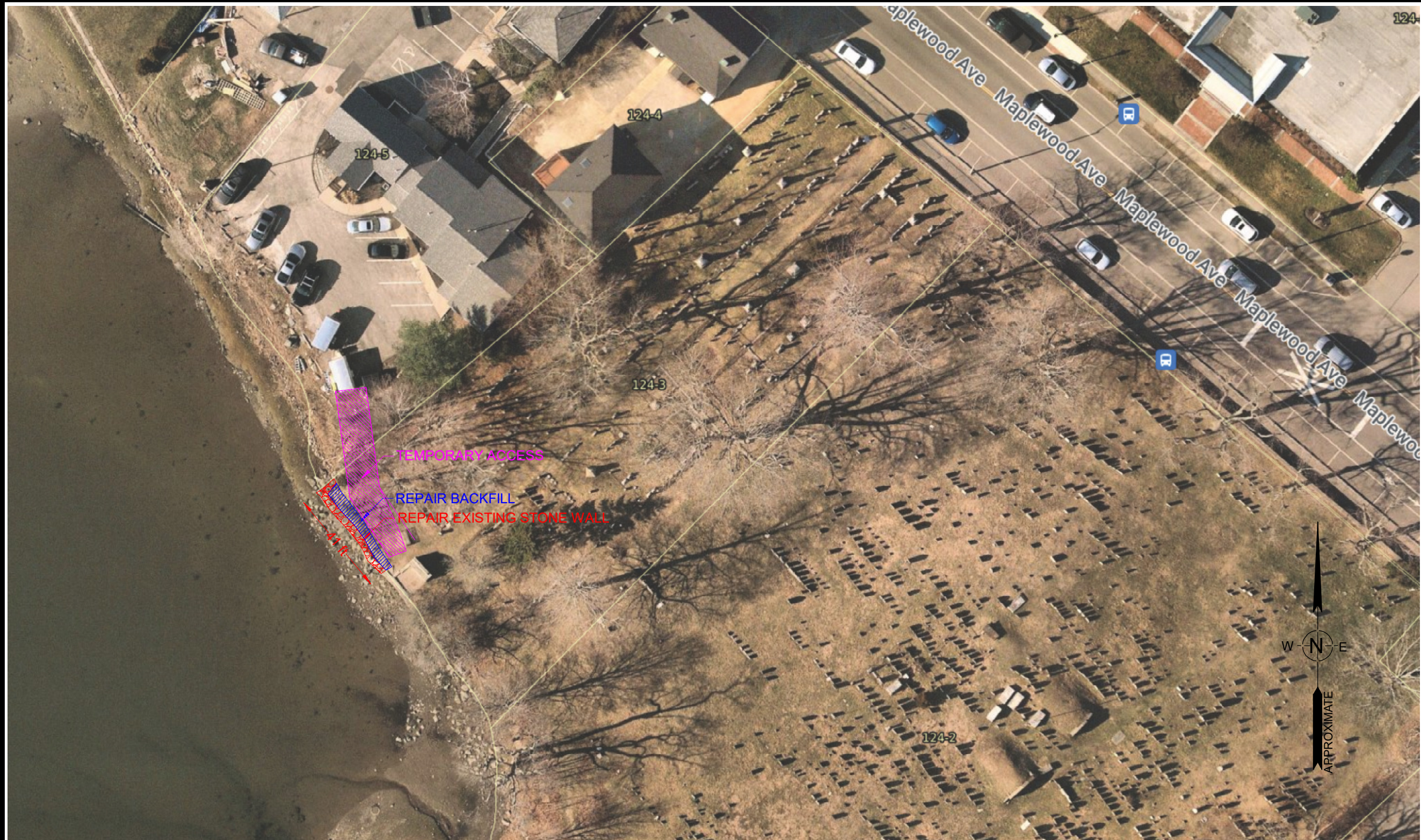
SUBJECT: Union Cemetery Emergency Shore Wall Repair

The Union Cemetery shore wall has sustained damage and erosion over multiple years due to large storm and tidal events. On 4/26/24, it was observed that multiple sections of the wall have fallen into the tidal area below. The City immediately filed a wetlands emergency authorization request to the New Hampshire Department of Environmental Services (NHDES) to perform repairs on the 41' section of shore wall, as shown in the plans attached, before further degradation occurs. The City received authorization from NHDES on 5/16/24 which is attached.

Once authorization was granted, the City engaged Riverside & Pickering Marine Contractors to schedule the emergency repair "in kind" work which is scheduled to begin on 6/10/24. Following the completion of the re-construction of the wall, the City will submit post work photos as required by the Emergency Authorization.

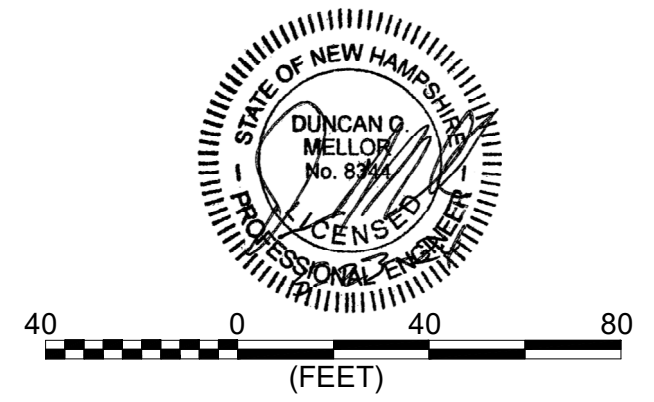
Kind Regards,

Christine Sproviero



TIDAL RELATIONSHIPS:
 IN FEET TO NAVD88 DATUM, 1983-2001 TIDAL EPOCH
 REF:NOAA TIDE GAUGE STA 8419870
 FEMA 1% +50 YR SLR = 8.3'
 FEMA 1% = 8'
 HOTL = 3.88' (OBS. 8-21-23)
 MHHW = 4.18'
 MHW = 3.76'
 NAVD88 EL = 0.0'
 MEAN TIDE LEVEL EL = -0.32'
 MLW EL = -4.39'
 MLLW EL = -4.71'

CONSTRUCTION SEQUENCE:
 1. ALL WORK SHALL BE PERFORMED IN DRY CONDITIONS WORKING ABOVE WATER LEVELS.
 2. NO SOIL EXCAVATION IS ANTICIPATED. IF SOIL DISTURBANCE OCCURS, INSTALL EROSION CONTROL SOCK ALONG THE TOE OF A WORK AREA AND MAINTAIN IT UNTIL STABILIZED. REMOVE EROSION CONTROL SOCK WHEN THE ASSOCIATED WORK IS COMPLETE.
 3. STABILIZE PLACED BACKFILL WITH LOAM AND SEED, WATER UNTIL ESTABLISHED.



DATE: 5-23-24
SCALE: SHOWN
DRAWN BY: DCM
DESIGN BY: DCM

CITY OF PORTSMOUTH
 UNION CEMETERY
 MAPLEWOOD AVENUE
 TAX MAP 124, LOT 3

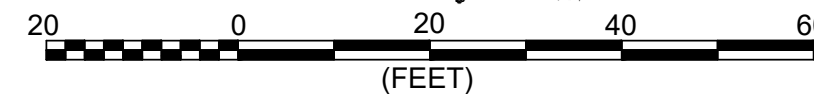
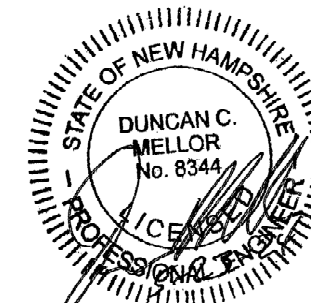
UNION CEMETERY
 SEAWALL REPAIRS
 PORTSMOUTH, NH
 ROCKINGHAM COUNTY
 NORTH MILL POND

SITE PLAN



SCOPE OF REPAIRS:

1. EXISTING STONE WALL IS DAMAGED WITH SOME BACKFILL EROSION.
2. IMPORT NEW WALL STONES MATCHING EXISTING FOR REPAIRS.
3. REBUILD UPPER WALL WITH DRY SET STONEMWORK FROM REMAINING WALL UP TO THE CREST ELEVATION OF THE GRANITE SLABS ADJACENT TO CRYPT.
4. INSTALL 8 OZ/SY NON-WOVEN GEOTEXTILE ONTO ERODED BANK.
5. IMPORT AND INSTALL CRUSHED ROCK STRUCTURAL BACKFILL AND WRAP GEOTEXTILE OVER THIS MATERIAL.
6. ADD LOAM AND GRASS SEED TO MATCH ADJACENT GRADES AND SURFACES, WATER UNTIL ESTABLISHED.



DATE: 5-23-24
 SCALE: SHOWN
 DRAWN BY: DCM
 DESIGN BY: DCM

CITY OF PORTSMOUTH
 UNION CEMETERY
 MAPLEWOOD AVENUE
 TAX MAP 124, LOT 3

REPAIR PLAN

UNION CEMETERY
 SEAWALL REPAIRS
 PORTSMOUTH, NH
 ROCKINGHAM COUNTY
 NORTH MILL POND

WF - 2



The State of New Hampshire
Department of Environmental Services



Robert R. Scott, Commissioner

EMERGENCY AUTHORIZATION VERIFICATION

FILE NUMBER: 2024-01385
OWNER: CITY OF PORTSMOUTH
SITE LOCATION: UNION CEMETERY MAPLEWOOD AVE, PORTSMOUTH
AGENT/CONTRACTOR: TBD
AUTHORIZATION DATE: MAY 16, 2024
WATERBODY: TIDAL BUFFER ZONE

This is to confirm that New Hampshire Department of Environmental Services (NHDES) Wetlands Bureau has given emergency authorization in accordance with NH Administrative Rule Env-Wt 315 to the owner/agent to conduct the following work in the NHDES Wetlands Bureau jurisdiction (under RSA 482-A):

DESCRIPTION: Emergency authorization for the in-kind repair to an existing retaining wall.

This authorization is subject to the following conditions:

1. The applicant/contractor shall file a follow up report describing the work performed under this authorization including pre-construction and post-construction photos to NHDES by June 24, 2024; the need for additional permitting will then be determined by NHDES (if no further impacts are needed).
2. Work shall be conducted in a manner so as to minimize turbidity and sedimentation to surface waters and wetlands.
3. Appropriate siltation, erosion controls, turbidity, and sedimentation controls shall be utilized.
4. Extreme precautions shall be taken within riparian areas to limit unnecessary removal of vegetation for access.
5. Construction equipment shall be inspected daily for leaking fuel, oil, and hydraulic fluid prior to working near surface waters or wetlands.
6. Faulty equipment shall be repaired prior to working near jurisdictional areas.
7. The contractor shall have appropriate oil spill kits on site and readily accessible at all times during construction and each operator shall be trained in its use.
8. This form shall be properly posted at the work site.
9. This authorization does not convey a property right, nor authorize any injury to property of others, nor invasion of rights of others.

THIS AUTHORIZATION EXPIRES ON June 17, 2024. All work must be completed by this date. This authorization has been given file number **2024-01385**. Please use this number in all future correspondence.

Signed:

Eben M. Lewis
Southeast Region Supervisor
Land Resources Management, Water Division

ec: Portsmouth Conservation Commission
US Army Corps of Engineers (Richard.C.Kristoff@usace.army.mil)
NH HSEM Planning (hsemplanning@dos.nh.gov)
NHPA (DOS.nhpa@dos.nh.gov)

www.des.nh.gov

29 Hazen Drive • PO Box 95 • Concord, NH 03302-0095
NHDES Main Line: (603) 271-3503 • Subsurface Fax: (603) 271-6683 • Wetlands Fax: (603) 271-6588
TDD Access: Relay NH 1 (800) 735-2964

Christine R. Sproviero

From: Christine R. Sproviero
Sent: Wednesday, May 22, 2024 9:05 AM
To: Duncan Mellor
Subject: Authorization for Civilworks New England

Good morning Duncan,

Please consider this as an authorization for Civilworks New England to act as an authorized agent for the City of Portsmouth in regard to the Union Cemetery Shore Wall Project.

Regards,

Christine R. Sproviero
Project Manager
City of Portsmouth
Public Works Department
680 Peeverly Hill Road
Portsmouth, NH 03801
Office: (603) 766-1755
Mobile: (603) 380-4805
Email: crSproviero@cityofportsmouth.com