Tighe&Bond

P-0616-005 July 27, 2022

NH Department of Environmental Services Wetlands Bureau Attn: Kristin Duclos 29 Hazen Drive PO Box 95 Concord, NH 03302-0095

Re: Amendment to Minor Impact Permit Application File Number 2022-01782 Portsmouth Regional Hospital Satellite Parking Lot Borthwick Avenue Portsmouth, New Hampshire

Dear Ms. Duclos:

Tighe & Bond is pleased to submit the following information to support an Amendment Request for the above referenced Minor Impact Permit Application:

- One (1) copy of the Amendment Request Form for a Wetlands Application or Permit;
- One (1) copy of the Standard Dredge and Fill Wetlands Permit Application, last revised July 27, 2022;
- One (1) copy of the check for the adjusted fee;
- One (1) copy of the Wetland 2 Functional Assessment, last revised July 27, 2022;
- One (1) copy of the Wetland 5 Functional Assessment, last revised July 27, 2022; and
- One (1) copy of the Site Plans, last revised July 21, 2022.

The proposed project is located at the northeast corner of the intersection of Borthwick Avenue and Eileen Dondero Foley Avenue in Portsmouth, New Hampshire. The parcel is identified as Tax Map 234, Lot 7-4A.

Project Updates

The proposed changes since the initial application submission were the result of comments received through the local review process and the Alteration of Terrain application review. The relevant changes to the project are highlighted below.

- The vehicular access aisle connecting the two parking lots shifted closer to the property line to lessen the permanent impacts to the existing wetland, identified as Wetland 2.
- The two proposed retaining walls along the northwest corner of the parcel have been removed, resulting in increased permanent impact to Wetland 5.
- Other changes include the completed design development of the multiuse path along Borthwick Avenue and drainage updates associated with the technical review comments previously referenced which result in no significance to this application.

Wetland Description and Functions

Two (2) of the five wetlands delineated within the property are being proposed to be partially impacted by this project (Wetlands 2 and 5).

Wetland 2 is a small (approximately 4,460 square feet) hydrologically isolated scrub-shrub wetland (PSS1E) located within a small clearing in an area with signs of significant past disturbances. This wetland exhibits low Ecological Integrity (New Hampshire Method average

score of 4.4), has a small watershed, and does not retain any standing water. While the low grade, hydric soils, and dense vegetation could potentially support some minimal flood storage, groundwater recharge, or nutrient trapping/retention, the low quality, invasive species, small size, and landscape position of Wetland 2 leave it providing no real function or value to the surrounding landscape.

Wetland 5 is a larger (approximately 9,200 square feet) hydrologically isolated scrub-shrub wetland (PSS1E) located within an electric utility right-of-way with signs of significant past disturbances. Wetland 5 exhibits low Ecological Integrity (New Hampshire Method average score of 3.6). The low grade, location, and hydric soils appear to support a minimal amount of flood storage during extremely heavy precipitation. However, the low quality, invasive species, small size, and lack of vegetative diversity of Wetland 5 leave it providing no substantial or principal function or value to the surrounding landscape.

Additional information is provided on the previously submitted Wetland Determination Data Forms and the updated Functional Assessment Worksheets enclosed herein.

Avoidance & Minimization Measures

The parking expansion will result in approximately 425 square feet of impact to Wetland 2 and approximately 9,210 square feet of impact to Wetland 5. However, given the location of existing facilities and available constructable area for expanding parking, and limited available land, this is the only practicable option for a parking expansion. Actual impacts to wetland functions will be negligible due to the overall lack of function or value, low quality, and presence of invasive species. What minimal function is present in the wetlands to be impacted (flood storage) will be offset with engineered solutions which will provide higher function and value than the existing conditions.

Other adjacent parcels to the Hospital facility are not practicable for this use as it would require larger impacts to wetland areas than what is proposed at this location.

We trust the enclosed information addresses the requirements for an Amended Wetland Application – Minor Impact. If you have any questions or require any additional information, please feel free to contact me at 603-433-8818 or asellar@tighebond.com.

Sincerely, **TIGHE & BOND, INC.**

Alexander Sellar, PE Project Engineer

PMC ...

Patrick M. Crimmins, PE Vice President

Enclosures Copy: Portsmouth Regional Hospital Portsmouth City Clerk Portsmouth Conservation Commission Portsmouth Planning Board

J:\P\P0616 Portsmouth Regional Hospital - Portsmouth, NH Retention Pond\005 PRH Parking Expansion\Report_Evaluation\Applications\20220728_Wetland Application Amendment\Individual\Cover Letter-.docx



AMENDMENT REQUEST FORM FOR A WETLANDS APPLICATION OR PERMIT Water Division/Land Resources Management Wetlands Bureau



Yes

🖂 No

RSA/Rule: RSA 482-A:3, XIV(e)/ Env-Wt 311.13; Env-Wt 314.07

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

Any request for an amendment to a wetlands application or permit must be submitted to the Department on this form. An applicant may request an amendment to a pending permit application or an existing permit, provided the proposed change does not constitute a "**significant amendment**." A "**significant amendment**" means an amendment which changes the proposed or previously approved acreage of the permitted fill or dredge area by 20 percent or more, includes a prime wetland, or elevates the project's impact classification. This meaning of "significant amendment" shall not apply to an application amendment that is in response to a request from the Department (RSA 482-A:3, XIV(e)).

SECTION 1 - REQUESTED AMENDMENT TYPE AND AMENDMENT CRITERIA

Does the proposed change constitute a "significant amendment" as provided in RSA 482-A:3, XIV(e	;)
and described above?	

If you answered "yes" to the previous question, then you cannot request an amendment using this form and must file a new permit application.

AMENDMENT TO PENDING PERMIT APPLICATION, NHDES FILE NUMBER: 2022-01782 (proceed to Section 2) AMENDMENT TO EXISTING PERMIT NUMBER: (proceed to Section 3)

SECTION 2 - AMENDMENT TO A PENDING PERMIT APPLICATION

Not applicable

To request an amendment to a pending permit application, the applicant must:

- Submit the information required by Env-Wt 311.03, showing the changes prior to the Department's issuance of a final decision on the application, including but not limited to, a revised set of plans and revised application fees for any additional square footage of impacts calculated pursuant to RSA 482-A:3, I(b) or (c) as applicable, and
- Provide notice to each person to whom notice of the original application was sent prior to filing the amended application with the Department (Env-Wt 311.13).

By checking this box, you confirm that you have provided all information required pursuant to Env-Wt 311.03 to the Department and provided the required notice(s) as described above.

SECTION 3 - AMENDMENT TO AN EXISTING PERMIT Not applicable

To request an amendment to an existing permit, the permittee must:

- Submit the information required and filed with the original permit application, including but not limited to a revised set of plans, and revised application fees for any additional square footage of impacts calculated pursuant to RSA 482-A:3, I(b) or (c) as applicable, and
- Provide notice to all who received notice of the original application prior to filing the amended application with the Department (Env-Wt 314.07).

By checking this box, you confirm that you have provided all necessary information to the Department and provided the required notice(s) as described above.



STANDARD DREDGE AND FILL WETLANDS PERMIT APPLICATION Water Division/Land Resources Management Wetlands Bureau



Check the Status of your Application

RSA/Rule: RSA 482-A/Env-Wt 100-900

APPLICANT'S NAME: Portsmouth Regional Hospital

TOWN NAME: Portsmouth

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

A person may request a waiver of the requirements in Rules Env-Wt 100-900 to accommodate situations where strict adherence to the requirements would not be in the best interest of the public or the environment but is still in compliance with RSA 482-A. A person may also request a waiver of the standards for existing dwellings over water pursuant to RSA 482-A:26, III(b). For more information, please consult the Waiver Request Form.

SEC	SECTION 1 - REQUIRED PLANNING FOR ALL PROJECTS (Env-Wt 306.05; RSA 482-A:3, I(d)(2))					
Plea <u>Res</u> pro	Please use the <u>Wetland Permit Planning Tool (WPPT</u>), the Natural Heritage Bureau (NHB) <u>DataCheck Tool</u> , the <u>Aquatic</u> <u>Restoration Mapper</u> , or other sources to assist in identifying key features such as: <u>priority resource areas (PRAs</u>), protected species or habitats, coastal areas, designated rivers, or designated prime wetlands.					
Has	s the required planning been completed?	🛛 Yes 🗌 No				
Doe	es the property contain a PRA? If yes, provide the following information:	🗌 Yes 🔀 No				
•	Does the project qualify for an Impact Classification Adjustment (e.g. NH Fish and Game Department (NHF&G) and NHB agreement for a classification downgrade) or a Project-Type Exception (e.g. Maintenance or Statutory Permit-by-Notification (SPN) project)? See Env-Wt 407.02 and Env-Wt 407.04.	🗌 Yes 🔀 No				
•	Protected species or habitat? If yes, species or habitat name(s): NHB Project ID #: NHB22-1544 	🗌 Yes 🔀 No				
•	Bog?	🗌 Yes 🔀 No				
•	Floodplain wetland contiguous to a tier 3 or higher watercourse?	🗌 Yes 🔀 No				
•	Designated prime wetland or duly-established 100-foot buffer?	🗌 Yes 🔀 No				
•	Sand dune, tidal wetland, tidal water, or undeveloped tidal buffer zone?	🗌 Yes 🔀 No				
ls tl	he property within a Designated River corridor? If yes, provide the following information:	🗌 Yes 🔀 No				
•	Name of Local River Management Advisory Committee (LAC):					
•	A copy of the application was sent to the LAC on Month: Day: Year:					

NHDES Wetlands Bureau, 29 Hazen Drive, PO Box 95, Concord, NH 03302-0095

For dredging projects, is the subject property contaminated?If yes, list contaminant:	🔲 Yes 🔀 No
Is there potential to impact impaired waters, class A waters, or outstanding resource waters?	🔀 Yes 🗌 No
For stream crossing projects, provide watershed size (see <u>WPPT</u> or Stream Stats): n/a	
SECTION 2 - PROJECT DESCRIPTION (Env-Wt 311.04(i))	
Provide a brief description of the project and the purpose of the project, outlining the scope of work to l	pe performed
and whether impacts are temporary or permanent. DO NOT reply "See attached"; please use the space p	provided
below.	
The existing Portsmouth Regional Hospital building is operating with 783 parking spaces, which the f outgrown and is 32% less than the minimum required by local zoning. The proposed project include construction of a new 501 space satellite parking lot across the street from the existing hospital. This parking is necessary to support Portsmouth Regional Hospital's existing facility and to allow for futur patient care.	acility has s the s additional re growth in
The project proposes 9,635 sf of permanent impacts to on site wetlands.	
SECTION 3 - PROJECT LOCATION	
Separate wetland permit applications must be submitted for each municipality within which wetland imp	pacts occur.
ADDRESS: TBD - Borthwick Avenue	
TOWN/CITY: Portsmouth	
TAX MAP/BLOCK/LOT/UNIT: Map 234 Lot 7-4A	
US GEOLOGICAL SURVEY (USGS) TOPO MAP WATERBODY NAME:	
(Optional) LATITUDE/LONGITUDE in decimal degrees (to five decimal places): • • North	
° West	

SECTION 4 - APPLICANT (DESIRED PERMIT HOLDER) INFORMATION (Env-Wt 311.04(a)) If the applicant is a trust or a company, then complete with the trust or company information.					
NAME: Portsmouth Regional Hospital					
MAILING ADDRESS: 333 Borthwick Avenue					
TOWN/CITY: Portsmouth		STATE: NH	ZIP CODE: 03801		
EMAIL ADDRESS: Matthew.Larkin@hcahealthcare.com					
FAX:	PHONE: 603 436 5110				
ELECTRONIC COMMUNICATION: By initialing here: relative to this application electronically.	, I hereby authorize NHDE	S to communicat	e all matters		
SECTION 5 - AUTHORIZED AGENT INFORMATION (Env-	Wt 311.04(c))				
LAST NAME, FIRST NAME, M.I.: Patrick M Crimmins					
COMPANY NAME: Tighe & Bond					
MAILING ADDRESS: 177 Corporate Drive					
TOWN/CITY: Portsmouth		STATE: NH	ZIP CODE: 03801		
EMAIL ADDRESS: pmcrimmins@tighebond.com					
FAX:	PHONE: 603 433 8818				
ELECTRONIC COMMUNICATION: By initialing here PMC, to this application electronically.	I hereby authorize NHDES t	o communicate a	all matters relative		
SECTION 6 - PROPERTY OWNER INFORMATION (IF DIFFERENT THAN APPLICANT) (Env-Wt 311.04(b)) If the owner is a trust or a company, then complete with the trust or company information.					
NAME: Portsmouth Regional Hospital is a subsidiary of I	HCA Healthcare Inc.				
MAILING ADDRESS:					
TOWN/CITY:		STATE:	ZIP CODE:		
EMAIL ADDRESS:					
FAX:	PHONE:				
ELECTRONIC COMMUNICATION: By initialing here to this application electronically.	, I hereby authorize NHDES	to communicate	e all matters relative		

SECTION 7 - RESOURCE-SPECIFIC CRITERIA ESTABLISHED IN Env-Wt 400, Env-Wt 500, Env-Wt 600, Env-Wt 700, OR Env-Wt 900 HAVE BEEN MET (Env-Wt 313.01(a)(3))

Describe how the resource-specific criteria have been met for each chapter listed above (please attach information about stream crossings, coastal resources, prime wetlands, or non-tidal wetlands and surface waters):

The resource-specific criteria in Env-Wt 600, 700, and 900 do not apply to this project as there will be no coastal or tidal impacts, no prime wetlands are present within the project area, and there will be no stream crossings associated with this project. This project does not qualify for a project-type exception under Env-Wt 407.04.

This project is not located within a Priority Resource Area and there will be no fill in public waters to make land.

Jeremy Degler, CWB, CWS, PWS, of Tighe & Bond delineated wetlands within the project parcel on September 17, 2021 utilizing the criteria specified in Env-Wt 406.01.

The wetland impact is necessary to accommodate the parking needed for the existing Hospital facility. Small pocket wetlands are impacted, though the project does not propose to impact the larger wetland complex and its 100 ft buffer. There is no practical alternative that would have less adverse impact of the area per Env-Wt 313.03.

SECTION 8 - AVOIDANCE AND MINIMIZATION

Impacts within wetland jurisdiction must be avoided to the maximum extent practicable (Env-Wt 313.03(a)).* Any project with unavoidable jurisdictional impacts must then be minimized as described in the <u>Wetlands Best Management</u> <u>Practice Techniques For Avoidance and Minimization</u> and the <u>Wetlands Permitting: Avoidance, Minimization and</u> <u>Mitigation Fact Sheet</u>. For minor or major projects, a functional assessment of all wetlands on the project site is required (Env-Wt 311.03(b)(10)).*

Please refer to the application checklist to ensure you have attached all documents related to avoidance and minimization, as well as functional assessment (where applicable). Use the <u>Avoidance and Minimization Checklist</u>, the <u>Avoidance and Minimization Narrative</u>, or your own avoidance and minimization narrative.

*See Env-Wt 311.03(b)(6) and Env-Wt 311.03(b)(10) for shoreline structure exemptions.

SECTION 9 - MITIGATION REQUIREMENT (Env-Wt 311.02)

If unavoidable jurisdictional impacts require mitigation, a mitigation <u>pre-application meeting</u> must occur at least 30 days but not more than 90 days prior to submitting this Standard Dredge and Fill Permit Application.

Year:

Mitigation Pre-Application Meeting Date: Month: Day:

(N/A - Mitigation is not required)

SECTION 10 - THE PROJECT MEETS COMPENSATORY MITIGATION REQUIREMENTS (Env-Wt 313.01(a)(1)c)

Confirm that you have submitted a compensatory mitigation proposal that meets the requirements of Env-Wt 800 for all permanent unavoidable impacts that will remain after avoidance and minimization techniques have been exercised to the maximum extent practicable: I confirm submittal.

N/A – Compensatory mitigation is not required)

SECTION 11 - IMPACT AREA (Env-Wt 311.04(g))

For each jurisdictional area that will be/has been impacted, provide square feet (SF) and, if applicable, linear feet (LF) of impact, and note whether the impact is after-the-fact (ATF; i.e., work was started or completed without a permit).

For intermittent and ephemeral streams, the linear footage of impact is measured along the thread of the channel. *Please note, installation of a stream crossing in an ephemeral stream may be undertaken without a permit per Rule Env-Wt* 309.02(d), however other dredge or fill impacts should be included below.

For perennial streams/rivers, the linear footage of impact is calculated by summing the lengths of disturbances to the channel and banks.

Permanent impacts are impacts that will remain after the project is complete (e.g., changes in grade or surface materials).

Temporary impacts are impacts not intended to remain (and will be restored to pre-construction conditions) after the project is completed.

		PERMANEN		ENT		TEMPORARY	
JURI	SDICTIONAL AREA	SF	LF	ATF	SF	LF	ATF
	Forested Wetland						
	Scrub-shrub Wetland	9635					
spr	Emergent Wetland						
itlar	Wet Meadow						
Ň	Vernal Pool						
	Designated Prime Wetland						
	Duly-established 100-foot Prime Wetland Buffer						
er	Intermittent / Ephemeral Stream						
Vat	Perennial Stream or River						
Ce <	Lake / Pond						
Irfa	Docking - Lake / Pond						
Su	Docking - River						
	Bank - Intermittent Stream						
anks	Bank - Perennial Stream / River						
Ba	Bank / Shoreline - Lake / Pond						
	Tidal Waters						
	Tidal Marsh						
dal	Sand Dune						
Ë	Undeveloped Tidal Buffer Zone (TBZ)						
	Previously-developed TBZ						
	Docking - Tidal Water						
	TOTAL	9635					
SEC	TION 12 - APPLICATION FEE (RSA 482-A:3, I)						
	MINIMUM IMPACT FEE: Flat fee of \$400.						
	NON-ENFORCEMENT RELATED, PUBLICLY-FUNI	DED AND S	UPERVIS	SED RESTORAT	FION PROJE	CTS, REGARDL	ESS OF
	IMPACT CLASSIFICATION: Flat fee of \$400 (refe	er to RSA 48	32-A:3, 1	(c) for restrict	ions).		
	MINOR OR MAJOR IMPACT FEE: Calculate using	g the table	below:				
Permanent and temporary (non-docking): 9635 SF \times \$0.40 = \$3,8						\$ 3 <i>,</i> 854	
Seasonal docking structure: SF × \$2.00 = \$						\$	
	Permanent do	ocking struc	cture:	SF		× \$4.00 =	\$
	Projects pro	oposing she	oreline s	tructures (incl	uding docks	s) add \$400 =	\$
						Total =	\$ 3 <i>,</i> 854
The	application fee for minor or major impact is t	he above c	alculate	d total or \$40	0, whicheve	er is greater =	\$ 3 <i>,</i> 854

SECTION 13 - PROJECT CLASSIFICATION (Env-Wt 306.05) Indicate the project classification.							
🗌 Minimu	m Impact Project 🛛 Minor	Project	Major Project				
SECTION 14	- REQUIRED CERTIFICATIONS (Env-Wt 3	311.11)					
Initial each	box below to certify:						
Initials: PMC	s: To the best of the signer's knowledge and belief, all required notifications have been provided.						
Initials: PMC	The information submitted on or with the signer's knowledge and belief.	e application is true	e, complete,	and not misleading to the	best of the		
Initials: PMC	 The signer understands that: The submission of false, incomplete, or misleading information constitutes grounds for NHDES to:						
Initials: PMC	If the applicant is not the owner of the pr the signer that he or she is aware of the a	operty, each prope pplication being fi	erty owner si led and does	ignature shall constitute cost object to the filing.	ertification by		
SECTION 15	- REQUIRED SIGNATURES (Env-Wt 311.	04(d); Env-Wt 31	1.11)				
SIGNATURE	OWNER):	PRINT NAME LEGIBLY:			DATE:		
SIGNATURE	APPLICANT, IF DIFFERENT FROM OWNER):	PRINT NAME LEGI	BLY:		DATE:		
SIGNATURE	SIGNATURE (AGENT, IF APPLICABLE): PRINT NAME LEGIBLY: DATE:						
Patrick M Crimmins 7/27/2022							
As required by RSA 482-A:3, I(a)(1), I hereby certify that the applicant has filed four application forms, four detailed							
TOWN/CIT	TOWN/CITY CLERK SIGNATURE: PRINT NAME LEGIBLY:						
TOWN/CIT	TOWN/CITY: DATE:						

DIRECTIONS FOR TOWN/CITY CLERK:

Per RSA 482-A:3, I(a)(1)

- 1. IMMEDIATELY sign the original application form and four copies in the signature space provided above.
- 2. Return the signed original application form and attachments to the applicant so that the applicant may submit the application form and attachments to NHDES by mail or hand delivery.
- 3. IMMEDIATELY distribute a copy of the application with one complete set of attachments to each of the following bodies: the municipal Conservation Commission, the local governing body (Board of Selectmen or Town/City Council), and the Planning Board.
- 4. Retain one copy of the application form and one complete set of attachments and make them reasonably accessible for public review.

DIRECTIONS FOR APPLICANT:

Submit the original permit application form bearing the signature of the Town/City Clerk, additional materials, and the application fee to NHDES by mail or hand delivery at the address at the bottom of this page. Make check or money order payable to "Treasurer – State of NH".



WETLANDS FUNCTIONAL ASSESSMENT WORKSHEET Water Division/Land Resource Management Wetlands Bureau Check the Status of your Application



RSA/Rule: RSA 482-A / Env-Wt 311.03(b)(10); Env-Wt 311.10

APPLICANT LAST NAME, FIRST NAME, M.I.: Portsmouth Regional Hospital c/o Matthew Larkin

As required by Env-Wt 311.03(b)(10), an application for a standard permit for minor and major projects must include a functional assessment of all wetlands on the project site as specified in Env-Wt 311.10. This worksheet will help you compile data for the functional assessment needed to meet federal (US Army Corps of Engineers (USACE); if applicable) and NHDES requirements. Additional requirements are needed for projects in tidal area; please refer to the <u>Coastal Area</u> <u>Worksheet (NHDES-W-06-079)</u> for more information.

Both a desktop review and a field examination are needed to accurately determine surrounding land use, hydrology, hydroperiod, hydric soils, vegetation, structural complexity of wetland classes, hydrologic connections between wetlands or stream systems or wetland complex, position in the landscape, and physical characteristics of wetlands and associated surface waters. The results of the evaluation are to be used to select the location of the proposed project having the least impact to wetland functions and values (Env-Wt 311.10). This worksheet can be used in conjunction with the <u>Avoidance and Minimization Written Narrative (NHDES-W-06-089)</u> and the <u>Avoidance and Minimization</u> <u>Checklist (NHDES-W-06-050)</u> to address Env-Wt 313.03 (Avoidance and Minimization). If more than one wetland/ stream resource is identified, multiple worksheets can be attached to the application. All wetland, vernal pools, and stream identification (ID) numbers are to be displayed and located on the wetlands delineation of the subject property.

SECTION 1 - LOCATION (USACE HIGHWAY METHODOLOGY)

ADJACENT LAND USE: Forested undeveloped, paved roadway (Borthwick Avenue), residential

CONTIGUOUS UNDEVELOPED BUFFER ZONE PRESENT?

DISTANCE TO NEAREST ROADWAY OR OTHER DEVELOPMENT (in feet): Approximately 25

SECTION 2 - DELINEATION (USACE HIGHWAY METHODOLOGY; Env-Wt 311.10)

CERTIFIED WETLAND SCIENTIST (if in a non-tidal area) or QUALIFIED COASTAL PROFESSIONAL (if in a tidal area) who prepared this assessment: Jeremy Degler (NH CWS #301)

DATE(S) OF SITE VISIT(S): 9/17/2021, 11/22/2021 DELINEATION PER ENV-WT 406 COMPLETED? Yes No					
CONFIRM THAT THE EVALUATION IS BASED ON:					
🔀 Office and					
Field examination.					
METHOD USED FOR FUNCTIONAL ASSESSMENT (check one and fill in blank if "other"):					
SACE Highway Methodology.					
C Other scientifically supported method (enter name/ title): NH Method (for Ecological Integrity)					

SECTION 3 - WETLAND RESOURCE SUMMARY (USACE HIGHWAY METHODOLOGY; Env-Wt 311.10)				
WETLAND ID: Wetland 2	LOCATION: (LAT/ LONG) 43.067359/-70.783336			
WETLAND AREA: Approximately 4,460 square feet (SF)	DOMINANT WETLAND SYSTEMS PRESENT: Scrub-shrub			
HOW MANY TRIBUTARIES CONTRIBUTE TO THE WETLAND? None	COWARDIN CLASS: PSS1E			
IS THE WETLAND A SEPARATE HYDRAULIC SYSTEM?	IS THE WETLAND PART OF: A wildlife corridor or A habitat island?			
if not, where does the wetland lie in the drainage basin?	IS THE WETLAND HUMAN-MADE?			
IS THE WETLAND IN A 100-YEAR FLOODPLAIN?	ARE VERNAL POOLS PRESENT?			
Yes 🛛 No	Yes 🛛 No (If yes, complete the Vernal Pool Table)			
ARE ANY WETLANDS PART OF A STREAM OR OPEN-WATER SYSTEM? Yes No	ARE ANY PUBLIC OR PRIVATE WELLS DOWNSTREAM/ DOWNGRADIENT? 🔲 Yes 🛛 No			
PROPOSED WETLAND IMPACT TYPE: Parking lot	PROPOSED WETLAND IMPACT AREA: Approx. 425 SF			
SECTION 4 - WETLANDS FUNCTIONS AND VALUES (USACE H	IIGHWAY METHODOLOGY; Env-Wt 311.10)			
 SECTION 4 - WETLANDS FUNCTIONS AND VALUES (USACE HIGHWAY METHODOLOGY; Env-Wt 311.10) The following table can be used to compile data on wetlands functions and values. The reference numbers indicated in the "Functions/ Values" column refer to the following functions and values: 1. Ecological Integrity (from RSA 482-A:2, XI) 2. Educational Potential (from USACE Highway Methodology: Educational/Scientific Value) 3. Fish & Aquatic Life Habitat (from USACE Highway Methodology: Fish & Shellfish Habitat) 4. Flood Storage (from USACE Highway Methodology: Floodflow Alteration) 5. Groundwater Recharge (from USACE Highway Methodology: Groundwater Recharge/Discharge) 6. Noteworthiness (from USACE Highway Methodology: Threatened or Endangered Species Habitat) 7. Nutrient Trapping/Retention & Transformation (from USACE Highway Methodology) 9. Scenic Quality (from USACE Highway Methodology: Visual Quality/Aesthetics) 10. Sediment Trapping (from USACE Highway Methodology: Sediment /Toxicant Retention) 11. Shoreline Anchoring (from USACE Highway Methodology: Sediment/Shoreline Stabilization) 12. Uniqueness/Heritage (from USACE Highway Methodology) 13. Wetland-based Recreation (from USACE Highway Methodology) 				
First, determine if a wetland is suitable for a particular function and value ("Suitability" column) and indicate the rationale behind your determination ("Rationale" column). Please use the rationale reference numbers listed in Appendix A of USACE <i>The Highway Methodology Workbook Supplement</i> . Second, indicate which functions and values are principal ("Principal Function/value?" column). As described in <i>The Highway Methodology Workbook Supplement</i> , "functions and values can be principal if they are an important physical component of a wetland ecosystem (function only) and/or are considered of special value to society, from a local, regional, and/or national perspective".				

FUNCTIONS/ VALUES	SUITABILITY (Y/N)	RATIONALE (Reference #)	PRINCIPAL FUNCTION/VALUE? (Y/N)	IMPORTANT NOTES
1	☐ Yes ⊠ No	Average Ecological Integrity Score = 4.4 (1, 5, 10, 1, 5, 1, 5, 1, 5, 10)	Yes 🔀 No	Ecological Integrity (from NHM)
2	☐ Yes ⊠ No	9	☐ Yes ⊠ No	Education Potential
3	Yes X No	1	☐ Yes ⊠ No	Fish & Aquatic Life
4	☐ Yes ⊠ No	3, 5, 7, 9, 18	☐ Yes ⊠ No	Flood Storage
5	☐ Yes ⊠ No	2, 4, 5, 15	☐ Yes ⊠ No	Groundwater (Recharge Only)
6	☐ Yes ⊠ No	Highest ranked habitat in NH & region plus supporting landscape. Priority habitat block, conservation land	☐ Yes ⊠ No	Noteworthiness (RTE)
7	☐ Yes ⊠ No	5, 6, 7, 8, 9	☐ Yes ⊠ No	Nutrient Trapping/Retention
8	☐ Yes ⊠ No	1, 2, 7, 12	☐ Yes ⊠ No	Production Export
9	☐ Yes ⊠ No	6, 9, 12	☐ Yes ⊠ No	Scenic Quality
10	☐ Yes ⊠ No	2 (road salt), 4, 7, 9	☐ Yes ⊠ No	Sediment Trapping
11	☐ Yes ⊠ No	N/A	Yes 🔀 No	Shoreline Anchoring
12	☐ Yes ⊠ No	2, 8, 13, 17	☐ Yes ⊠ No	Uniqueness/Heritage
13	Yes	10, 12	Yes 🔀 No	Wetland-Based Recreation
14	☐ Yes ⊠ No	3, 7, 8, 13, 19	Yes X No	Wetland-Dependent Wildlife

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

NHDES Wetlands Bureau, 29 Hazen Drive, PO Box 95, Concord, NH 03302-0095

www.des.nh.gov

SECTION 5 - VERNAL POOL SUMMARY (Env-Wt 311.10)

Delineations of vernal pools shall be based on the characteristics listed in the definition of "vernal pool" in Env-Wt 104.44. To assist in the delineation, individuals may use either of the following references:

- *Identifying and Documenting Vernal Pools in New Hampshire 3rd Ed.*, 2016, published by the New Hampshire Fish and Game Department; or
- The USACE *Vernal Pool Assessment* draft guidance dated 9-10-2013 and form dated 9-6-2016, Appendix L of the USACE New England District *Compensatory Mitigation Guidance*.

All vernal pool ID numbers are to be displayed and located on the wetland delineation of the subject property.

"Important Notes" are to include documented reproductive and wildlife values, landscape context, and relationship to other vernal pools/wetlands.

Note: For projects seeking federal approval from the USACE, please attach a completed copy of The USACE "Vernal Pool Assessment" form dated 9-6-2016, Appendix L of the USACE New England District *Compensatory Mitigation Guidance*.

VERNAL POOL ID NUMBER	DATE(S) OBSERVED	PRIMARY INDICATORS PRESENT (LIST)	SECONDAR INDICATOR PRESENT (LI	Y S ST)	LENGTH OF HYDROPERIOD	IMPORTANT NOTES
1	N/A	N/A	N/A		N/A	No vernal pools associated with this wetland.
2						
3						
4						
5						
SECTION 6	5 - STREAM RE	SOURCES SUMMARY	r			
DESCRIPT	ION OF STREAI	M: N/A		STRE	EAM TYPE (ROSGEN	I): N/A
HAVE FISHERIES BEEN DOCUMENTED? DOES THE STREAM SYSTEM APPEAR STABLE?					TEM APPEAR STABLE?	
OTHER KEY ON-SITE FUNCTIONS OF NOTE: N/A						
The following table can be used to compile data on stream resources. "Important Notes" are to include characteristics the evaluator used to determine principal function and value of each stream. The functions and values reference number are defined in Section 4.						

FUNCTIONS/ VALUES	SUITABILITY (Y/N)	RATIONALE	PRINCIPAL FUNCTION/VALUE? (Y/N)	IMPORTANT NOTES
1	Yes	N/A	Yes No	No streams associated with this wetland.
2	Yes No		Yes No	
3	Yes No		Yes No	
4	Yes No		Yes No	
5	Yes No		Yes No	
6	Yes No		Yes No	
7	Yes No		Yes No	
8	Yes		Yes No	
9	Yes No		Yes No	
10	Yes No		Yes No	
11	Yes No		Yes No	
12	Yes No		Yes No	
13	Yes No		Yes No	
14	Yes No		Yes No	
SECTION 7 - ATTACHMENTS (USACE HIGHWAY METHODOLOGY; Env-Wt 311.10)				
Wildlife and vegetation diversity/abundance list.				
Photograph of wetland.				
🔀 Wetland delineation plans showing wetlands, vernal pools, and streams in relation to the impact area and				
surrounding landscape. Wetland IDs, vernal pool IDs, and stream IDs must be indicated on the plans.				
For projects in tidal areas only: additional information required by Env-Wt 603.03/603.04. Please refer to the				



WETLANDS FUNCTIONAL ASSESSMENT WORKSHEET Water Division/Land Resource Management Wetlands Bureau Check the Status of your Application



RSA/Rule: RSA 482-A / Env-Wt 311.03(b)(10); Env-Wt 311.10

APPLICANT LAST NAME, FIRST NAME, M.I.: Portsmouth Regional Hospital c/o Matthew Larkin

As required by Env-Wt 311.03(b)(10), an application for a standard permit for minor and major projects must include a functional assessment of all wetlands on the project site as specified in Env-Wt 311.10. This worksheet will help you compile data for the functional assessment needed to meet federal (US Army Corps of Engineers (USACE); if applicable) and NHDES requirements. Additional requirements are needed for projects in tidal area; please refer to the <u>Coastal Area</u> <u>Worksheet (NHDES-W-06-079)</u> for more information.

Both a desktop review and a field examination are needed to accurately determine surrounding land use, hydrology, hydroperiod, hydric soils, vegetation, structural complexity of wetland classes, hydrologic connections between wetlands or stream systems or wetland complex, position in the landscape, and physical characteristics of wetlands and associated surface waters. The results of the evaluation are to be used to select the location of the proposed project having the least impact to wetland functions and values (Env-Wt 311.10). This worksheet can be used in conjunction with the <u>Avoidance and Minimization Written Narrative (NHDES-W-06-089)</u> and the <u>Avoidance and Minimization</u> <u>Checklist (NHDES-W-06-050)</u> to address Env-Wt 313.03 (Avoidance and Minimization). If more than one wetland/ stream resource is identified, multiple worksheets can be attached to the application. All wetland, vernal pools, and stream identification (ID) numbers are to be displayed and located on the wetlands delineation of the subject property.

SECTION 1 - LOCATION (USACE HIGHWAY METHODOLOGY)

ADJACENT LAND USE: Forested undeveloped, paved roadway (Borthwick Avenue), commercial, electric substation

CONTIGUOUS UNDEVELOPED BUFFER ZONE PRESENT? Yes X No

DISTANCE TO NEAREST ROADWAY OR OTHER DEVELOPMENT (in feet): Approximately 15

SECTION 2 - DELINEATION (USACE HIGHWAY METHODOLOGY; Env-Wt 311.10)

CERTIFIED WETLAND SCIENTIST (if in a non-tidal area) or QUALIFIED COASTAL PROFESSIONAL (if in a tidal area) who prepared this assessment: Jeremy Degler (NH CWS #301)

DATE(S) OF SITE VISIT(S): 9/17/2021, 11/22/2021	DELINEATION PER ENV-WT 406 COMPLETED? 🔀 Yes 🔲 No				
CONFIRM THAT THE EVALUATION IS BASED ON:					
🔀 Office and	🔀 Office and				
Field examination.					
METHOD USED FOR FUNCTIONAL ASSESSMENT (check one and fill in blank if "other"):					
🛛 USACE Highway Methodology.					
oxed Other scientifically supported method (enter name/ title): NH Method (for Ecological Integrity)					

FUNCTIONS/ VALUES	SUITABILITY (Y/N)	RATIONALE (Reference #)	PRINCIPAL FUNCTION/VALUE? (Y/N)	IMPORTANT NOTES
1	☐ Yes ⊠ No	Average Ecological Integrity Score = 3.6 (1, 1, 10, 1, 1, 1, 5, 1, 5, 10)	☐ Yes ⊠ No	Ecological Integrity (from NHM)
2	☐ Yes ⊠ No	9	☐ Yes ⊠ No	Education Potential
3	☐ Yes ⊠ No	1	☐ Yes ⊠ No	Fish & Aquatic Life
4	📉 Yes 🔲 No	3, 5, 6, 7, 8, 9, 18	☐ Yes ⊠ No	Flood Storage
5	☐ Yes ⊠ No	2, 5, 15	☐ Yes ⊠ No	Groundwater (Recharge Only)
6	☐ Yes ⊠ No	Highest ranked habitat in NH & region plus supporting landscape. Priority habitat block, conservation land	☐ Yes ⊠ No	Noteworthiness (RTE)
7	☐ Yes ⊠ No	5, 6, 7, 8, 9	Yes 🔀 No	Nutrient Trapping/Retention
8	☐ Yes ⊠ No	2, 7	☐ Yes ⊠ No	Production Export
9	☐ Yes ⊠ No	6, 9	☐ Yes ⊠ No	Scenic Quality
10	☐ Yes ⊠ No	2 (road salt), 4, 7, 9	☐ Yes ⊠ No	Sediment Trapping
11	☐ Yes ⊠ No	N/A	Yes 🔀 No	Shoreline Anchoring
12	☐ Yes ⊠ No	2, 8, 13, 17	☐ Yes ⊠ No	Uniqueness/Heritage
13	☐ Yes ⊠ No	10, 12	Yes 🛛 Yo	Wetland-Based Recreation
14	☐ Yes ⊠ No	3, 7, 8, 13, 19	Yes No	Wetland-Dependent Wildlife

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

NHDES Wetlands Bureau, 29 Hazen Drive, PO Box 95, Concord, NH 03302-0095

www.des.nh.gov

SECTION 5 - VERNAL POOL SUMMARY (Env-Wt 311.10)

Delineations of vernal pools shall be based on the characteristics listed in the definition of "vernal pool" in Env-Wt 104.44. To assist in the delineation, individuals may use either of the following references:

- *Identifying and Documenting Vernal Pools in New Hampshire 3rd Ed.*, 2016, published by the New Hampshire Fish and Game Department; or
- The USACE *Vernal Pool Assessment* draft guidance dated 9-10-2013 and form dated 9-6-2016, Appendix L of the USACE New England District *Compensatory Mitigation Guidance*.

All vernal pool ID numbers are to be displayed and located on the wetland delineation of the subject property.

"Important Notes" are to include documented reproductive and wildlife values, landscape context, and relationship to other vernal pools/wetlands.

Note: For projects seeking federal approval from the USACE, please attach a completed copy of The USACE "Vernal Pool Assessment" form dated 9-6-2016, Appendix L of the USACE New England District *Compensatory Mitigation Guidance*.

VERNAL POOL ID NUMBER	DATE(S) OBSERVED	PRIMARY INDICATORS PRESENT (LIST)	SECONDARY INDICATORS PRESENT (LIST)		LENGTH OF HYDROPERIOD	IMPORTANT NOTES
1	N/A	N/A	N/A		N/A	No vernal pools associated with this wetland.
2						
3						
4						
5						
SECTION 6 - STREAM RESOURCES SUMMARY						
DESCRIPTION OF STREAM: N/A STREAM TYPE (ROSGEN): N/A						
HAVE FISHERIES BEEN DOCUMENTED? DOES THE STREAM SYSTEM APPEAR STABLE? Yes No						
OTHER KEY ON-SITE FUNCTIONS OF NOTE: N/A						
The following table can be used to compile data on stream resources. "Important Notes" are to include characteristics the evaluator used to determine principal function and value of each stream. The functions and values reference number are defined in Section 4.						

FUNCTIONS/ VALUES	SUITABILITY (Y/N)	RATIONALE	PRINCIPAL FUNCTION/VALUE? (Y/N)	IMPORTANT NOTES
1	Yes	N/A	Yes No	No streams associated with this wetland.
2	Yes No		Yes No	
3	Yes No		Yes No	
4	Yes No		Yes No	
5	Yes No		Yes No	
6	Yes No		Yes No	
7	Yes No		Yes No	
8	Yes No		Yes No	
9	Yes No		Yes No	
10	Yes No		Yes No	
11	Yes No		Yes No	
12	Yes No		Yes No	
13	Yes No		Yes No	
14	Yes No		Yes No	
SECTION 7 - ATTACHMENTS (USACE HIGHWAY METHODOLOGY; Env-Wt 311.10)				
Wildlife and vegetation diversity/abundance list.				
Photograph of wetland.				
🔀 Wetland delineation plans showing wetlands, vernal pools, and streams in relation to the impact area and				
surrounding landscape. Wetland IDs, vernal pool IDs, and stream IDs must be indicated on the plans.				
For projects in tidal areas only: additional information required by Env-Wt 603.03/603.04. Please refer to the				

PROPOSED SATELLITE PARKING LOT PORTSMOUTH, NEW HAMPSHIRE 444 BORTHWICK AVENUE PERMIT DRAWINGS MARCH 22, 2022 LAST REVISED JULY 21, 2022

	LIST OF DRAWINGS	
SHEET NO.	SHEET TITLE	LAST REVISED
	COVER SHEET	07/21/2022
1 OF 2	EXISTING CONDITIONS PLAN	07/13/2022
2 OF 2	EXISTING CONDITIONS PLAN	07/13/2022
G-101	GENERAL NOTES, ABBREVIATIONS, & LEGEND SHEET	07/21/2022
C-101	DEMOLITION PLAN	07/21/2022
C-102	OVERALL PARKING PLAN	07/21/2022
C-102.1	SITE PLAN	07/21/2022
C-103	GRADING, DRAINAGE, AND EROSION CONTROL PLAN	07/21/2022
C-104	UTILITY PLAN	07/21/2022
C-105	LANDSCAPE PLAN	07/21/2022
C-106	PHOTOMETRICS PLAN	07/21/2022
C-501	EROSION CONTROL NOTES & DETAILS SHEET	07/21/2022
C-502	DETAILS SHEET	07/21/2022
C-503	DETAILS SHEET	07/21/2022
C-504	DETAILS SHEET	07/21/2022
C-505	DETAILS SHEET	07/21/2022
C-506	DETAILS SHEET	07/21/2022
C-507	DETAILS SHEET	07/21/2022
C-508	DETAILS SHEET	07/21/2022
C-509	DETAILS SHEET	07/21/2022
C-510	DETAILS SHEET	07/21/2022

LIST OF PERMITS		
FEDERAL	STATUS	DATE
CONSTRUCTION GENERAL PERMIT (CGP) & NOI		
LOCAL		
SITE PLAN REVIEW PERMIT		
ZONING BOARD OF ADJUSTMENT - SPECIAL EXCEPTION & VARIANCE	APPROVED	2/23/2022
STATE		
NHDES STANDARD DREDGE AND FILL WETLAND IMPACT PERMIT	PENDING	
NHDES ALTERATION OF TERRAIN	PENDING	







LOCATION MAP SCALE: 1" = 2,000'

- CONSTRUCTION NOTES: THE CONTRACTOR SHALL NOT RELY ON SCALED DIMENSIONS AND SHALL CONTACT THE ENGINEER FOR CLARIFICATION IF A REOUIRED DIMENSION IS NOT PROVIDED ON THE PLANS
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION MEANS AND METHODS, AND FOR SITE CONDITIONS THROUGHOUT CONSTRUCTION. NEITHER THE PLANS NOR THE SEAL OF THE ENGINEER AFFIXED HEREON EXTEND TO OR INCLUDE SYSTEMS REQUIRED FOR THE SAFET OF THE CONTRACTOR, THEIR EMPLOYEES, AGENTS OR REPRESENTATIVES IN THE PERFORMANCE OF THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING AND IMPLEMENTING SAFETY PROCEDURES AND SYSTEMS AS REQUIRED BY THE UNITED STATES OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA), AND ANY STATE OR LOCAL SAFETY REGULATIONS.
- . TIGHE & BOND. ASSUMES NO RESPONSIBILITY FOR ANY ISSUES LEGAL OR OTHERWISE, RESULTING FROM CHANGES MADE TO THESE DRAWINGS WITHOUT WRITTEN AUTHORIZATION OF TIGHE & BOND.



APPLICANT:

Portsmouth Regional Hospital 333 Borthwick Avenue Portsmouth, NH 03801

OWNER:

HCA Realty Inc. PO Box 80610 Indianapolis, IN 46280







PATRICK M. CRIMMINS.

SURVEY CONSULTANT:



102 Kent Place, Newmarket, NH 03857 (603) 659-6560 2 Commerce Drive (Suite 202) Bedford, NH 03110 (603) 614-4060 10 Storer Street (Riverview Suite) Kennebunk, ME (207) 502-7005 http://www.doucetsurvey.com

c/o Ducharme Mcmillen & Assoc - HCA NH



NOTES:

1. REFERENCE:

TAX MAP 234, LOT 7–4A
BORTHWICK AVENUE EXTENSION
PORTSMOUTH. NEW HAMPSHIRE
D.S. PROJECT NO. 2826
D.3. FRUIEUT NU. 2020

395,745 SQ. FT. OR 9.09 AC.

2. TOTAL PARCEL AREA:

3. OWNER OF RECORD:

- HCA REALTY INC. C/O DUCHARME MCMILLEN & ASSOC. – HCA NH PO BOX 80610 INDIANAPOLIS, IN 46280 R.C.R.D BOOK 4400 PAGE 2048, BOOK 4639 PAGE 2128.
- 4. TOPOGRAPHY SHOWN HEREON IS BASED ON A COMBINATION OF AERIAL MAPPING BY EASTERN TOPOGRAPHICS IN 5/03 AND CONVENTIONAL SURVEY BY DOUCET SURVEY, SEE NOTE 5. EXCEPT FOR THE NOTED AREA, NO ADDITIONAL UPDATES WERE DONE TO THE AERIAL TOPOGRAPHY FROM 2003.
- 5. FIELD SURVEY PERFORMED BY DOUCET SURVEY AT VARIOUS TIMES BETWEEN 2003 & 2022.
- 6. JURISDICTIONAL WETLANDS DELINEATED BY JEREMY DEGLER (CWS #301, PWS #2809) OF TIGHE & BOND, ON SEPTEMBER 17, 2021 IN ACCORDANCE WITH 1987 US ARMY CORPS OF ENGINEERS WETLANDS DELINEATION MANUAL, TECHNICAL REPORT Y-87-1 AND THE REGIONAL SUPPLEMENT TO THE CORPS OF ENGINEERS WETLAND DELINEATION MANUAL: NORTH CENTRAL AND NORTHEAST REGION (JANUARY 2012).
- 7. FLOOD HAZARD ZONE: "X", PER FIRM MAP #33015C0260F, DATED 1/29/2021.
- 8. HORIZONTAL DATUM IS BASED ON NH STATE PLANE COORDINATE SYSTEM. AS ESTABLISHED BY JAMES VERRA & ASSOCIATES IN MAY 2003.
- 9. VERTICAL DATUM IS BASED ON NGVD 29.
- 10. THE PARCEL IS SUBJECT TO, AND/OR IN BENEFIT OF THE FOLLOWING EASEMENTS, RESTRICTIONS, ETC.
 - A. SUBJECT TO AN ELECTRIC EASEMENT GRANTED BY SAN ANTONIO ET AL TO NH ELECTRIC CO, SEE R.C.R.D. BOOK 1230, PAGE 222.
 - B. SUBJECT TO A GAS LINE EASEMENT RESERVED BY NORTHERN UTILITIES, INC., SEE
 - R.C.R.D. BK. 4392 PG. 110 C. SUBJECT TO AN ACCESS AND UTILITY EASEMENT RESERVED BY ISLINGTON WOODS, LLC,
 - SEE R.C.R.D. BOOK 4639 PAGE 2128. D. SUBJECT TO THE RIGHTS OF THE CITY OF PORTSMOUTH TO CONSTRUCT & MAINTAIN A
 - SEWER LINE, SEE R.C.R.D. BOOK 4685, PAGE 553.
 - E. SUBJECT TO AN "AGREEMENT REGARDING PROHIBITED USES", SEE R.C.R.D. BOK. 4400 PG. 2051.F. ALL OTHER RIGHTS OR EASEMENTS OF RECORD OR OTHERWISE. THIS PLAN DOES NOT
 - REPRESENT A TITLE EXAMINATION, AND NONE WAS PROVIDED.
- 11. PROPER FIELD PROCEDURES WERE FOLLOWED IN ORDER TO GENERATE CONTOURS AT 2' INTERVALS. ANY MODIFICATION OF THIS INTERVAL WILL DIMINISH THE INTEGRITY OF THE DATA, AND DOUCET SURVEY, INC. WILL NOT BE RESPONSIBLE FOR ANY SUCH ALTERATION PERFORMED BY THE USER.
- 12. UNDERGROUND UTILITIES SHOWN HEREON ARE BASED ON OBSERVED PHYSICAL EVIDENCE AND PAINT MARKS FOUND ON-SITE.
- 13. THE ACCURACY OF MEASURED UTILITY INVERTS AND PIPE SIZES/TYPES IS SUBJECT TO NUMEROUS FIELD CONDITIONS, INCLUDING; THE ABILITY TO MAKE VISUAL OBSERVATIONS, DIRECT ACCESS TO THE VARIOUS ELEMENTS, MANHOLE CONFIGURATION, ETC.
- 14. ALL UNDERGROUND UTILITIES (ELECTRIC, GAS, TEL. WATER, SEWER DRAIN SERVICES) ARE SHOWN IN SCHEMATIC FASHION, THEIR LOCATIONS ARE NOT PRECISE OR NECESSARILY ACCURATE. NO WORK WHATSOEVER SHALL BE UNDERTAKEN USING THIS PLAN TO LOCATE THE ABOVE SERVICES. CONSULT WITH THE PROPER AUTHORITIES CONCERNED WITH THE SUBJECT SERVICE LOCATIONS FOR INFORMATION REGARDING SUCH. CALL DIG-SAFE AT 1-888-DIG-SAFE.

REFERENCE PLANS:

- "LOT LINE REVISION PLAN FOR PORTSMOUTH HOSPITAL OFFICE BUILDING ASSOCIATION, ISLINGTON WOODS, LLC AND HCA REALTY, INC. (TAX MAP 234, LOTS 7-4A & 7-4B) (TAX MAP 240, LOT 2-2) BORTHWICK AVENUE EXTENSION PORTSMOUTH, NEW HAMPSHIRE" DATED 1/13/06 BY DOUCET SURVEY, INC., R.C.R.D. PLAN D-33642.
- 2. "SUBDIVISION & LOT LINE REVISION PLAN BETWEEN NORTHERN UTILITIES, INC. AND ISLINGTON WOODS, LLC," BY DOUCET SURVEY, INC., DATED FEBRUARY 25, 2004, R.C.R.D. PLAN D-31871.
- 3. "GAS LINE AS-BUILT EASEMENT AND CONSERVATION EASEMENT PLAN," BY KIMBALL CHASE COMPANY, INC. DATED 10/31/85, R.C.R.D. PLAN D-15830.
- 4. "PLAT OF PROPERTY AND IMPROVEMENTS FOR HCA REALTY, INC.," BY CESP, INC. DATED DECEMBER 12, 1986, R.C.R.D. PLAN D-15831.
- 5. "EASEMENT PLAN FOR ISLINGTON WOODS, LLC AND BOSTON & MAINE CORPORATION BETWEEN ISLINGTON ST. & BORTHWICK AVE. EXT. (TAX MAP 223 LOT 113 & TAX MAP 234 LOT 7-4B) PORTSMOUTH, NEW HAMPSHIRE" DATED 10/20/2005 BY DOUCET SURVEY, INC., R.C.R.D. PLAN D-33500.
- 6. "LOT LINE REVISION PLAN LAND OF SEARAY REALTY, LLC TAX AMP 234 LOTS 2, 3, & 7–7 US ROUTE 1 BY-PASS & BARBERRY LANE PORTSMOUTH, NEW HAMPSHIRE. DATED 3/12/2014 BY DOUCET SURVEY, INC., R.C.R.D. PLAN D-38435.
- 7. "SUBDIVISION & EASEMENT PLAN LAND OF BORTHWICK FOREST, LLC (TAX MAP 241, LOT 25) AND SHOWING LAND OF HCA REALTY, INC. (TAX MAP 234, LOT 7-4A) (TAX MAP 240 LOT 2-2102) BORTHWICK AVE. & ISLINGTON ST. PORTSMOUTH, NH" DATED 11/12/2019 BY DOUCET SURVEY, INC., R.C.R.D. PLAN D-42049



LEGEND: AER

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KEY MAP

RIAL_DATA BUILDINGS STRUCTURE TREELINE TRAIL/WALK DRIVEWAY DRIVEWAY DRIVEWAY OBSCURED CURBING PAVED ROAD BAVEL ROAD ORAVEL ROAD DRAINAGE OBSCURED FENCE OBSCURED FENCE PIPELINE PILE LIMIT STONE WALL DITCH CONCRETE RAILROAD RAILROAD OBSCURED	OU.P.?	<text></text>	LEGEND APPROXIMATE ABUTTERS LOT LINE EXISTING EASEMENT LINE OHW OVERHEAD WIRE SS SS SS SD DRAIN LINE CULVERT G B CLONCONTOUR LINE (SEE NOTE 6) B CLONCRETE CLANDSCAPED AREA C <th>P P P P P P P P P P P P P P</th>	P P P P P P P P P P P P P P
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DRILL HOLE FOUND IRON PIPE/ROD FOUND FIRE HYDRANT WATER GATE VALVE IRRIGATION CONTROL VALVE GAS GATE VALVE CATCH BASIN DRAIN MANHOLE FLARED END SECTION SEWER MANHOLE HAND HOLE DECIDUOUS TREE MAST ARM RAIL ROAD SIGNAL DRILL HOLE FOUND EDGE OF PAVEMENT EDGE OF GRAVEL VERTICAL GRANITE CURB SINGLE WHITE LINE DOUBLE YELLOW LINE ELECTRIC METER

SIGN

SIGN (TWO POSTS)

200 L	0	200 I	400
	SCALE: 1 IN	ICH = 200 FT.	

EXISTING CONDITIONS PLAN

TIGHE & BOND OF

TAX MAP 234 LOT 7-4A BORTHWICK AVENUE EXTENSION PORTSMOUTH, NEW HAMPSHIRE

2/22 UPDA ⁻	TE WETLANDS PER CLIENT	SVM		
ATE	DESCRIPTION	BY		
•				
r: W.D.C.	DATE: OCTOBER 202	1		
_{BY:} S.V.M.	DRAWING NO. 2826B			
2826	SHEET 1 OF 2			
DOUCET SURVEY Serving Your Professional Surveying & Mapping Needs				
	2/22 UPDA ATE (: W.D.C. BY: S.V.M. 2826	2/22 UPDATE WETLANDS PER CLIENT ATE DESCRIPTION (: W.D.C. DATE: OCTOBER 202 BY: S.V.M. DRAWING NO. 2826B 2826 SHEET 1 0F 2 DOUCET® SURVEYS sing Your Professional Surveying & Mapping Needs		

102 Kent Place, Newmarket, NH 03857 (603) 659-6560 2 Commerce Drive (Suite 202) Bedford, NH 03110 (603) 614-4060 10 Storer Street (Riverview Suite) Kennebunk, ME (207) 502-7005 http://www.doucetsurvey.com



		<u>GENERAL NOTES:</u>		EMULSION IMMEDIATELY PRIOR TO PLACING NE
	1.	THE LOCATIONS OF UNDERGROUND UTILITIES ARE APPROXIMATE AND THE LOCATIONS ARE	8.	ALL WORK WITHIN THE CITY OF PORTSMOUTH
		RESPONSIBILITY TO LOCATE ALL UTILITIES, ANTICIPATE CONFLICTS, REPAIR EXISTING	9.	CONTRACTOR SHALL BE RESPONSIBLE FOR OBT
		UTILITIES AND RELOCATE EXISTING UTILITIES REQUIRED TO COMPLETE THE WORK.	-	STRUCTURAL ENGINEER AND/OR WALL MANUFA
	2.	COORDINATE ALL WORK WITHIN PUBLIC RIGHT OF WAYS WITH THE CITY OF PORTSMOUTH.		LABOR, MATERIALS AND EQUIPMENT REQUIRED
	3.	THE CONTRACTOR SHALL EMPLOY A NEW HAMPSHIRE LICENSED LAND SURVEYOR TO		SYSTEM AS OUTLINED IN THE DETAILS.
	4.	THE CONTRACTOR SHALL VERIFY LOCATION OF ALL EXISTING UTILITIES. CALL DIG SAFE AT	10.	ALL DIMENSIONS ARE TO THE FACE OF CURB U
		LEAST 72 HOURS PRIOR TO THE COMMENCEMENT OF ANY DEMOLITION/CONSTRUCTION	11.	ALL CONDITIONS ON THIS PLAN SHALL REMAIN
	_	ACTIVITIES.	4.0	REQUIREMENTS OF THE SITE PLAN REVIEW REG
	5.	IT IS THE CONTRACTOR'S RESPONSIBILITY TO FAMILIARIZE THEMSELVES AND COMPLY WITH	12.	THE APPLICANT SHALL HAVE A STLE SURVEY CO CARRIER APPROVED BY THE CITY'S COMMUNICA
	6.	THE CONDITIONS OF ALL OF THE PERMIT APPROVALS.		COMMUNICATIONS CARRIER MUST BE FAMILIAR
	0.	NOTICES AND FEES NECESSARY TO COMPLETE THE WORK AND ARRANGE FOR AND PAY FOR		RADIO CONFIGURATION. IF THE SITE SURVEY I
		NECESSARY INSPECTIONS AND APPROVALS FROM THE AUTHORITIES HAVING JURISDICTION.		SIGNAL REPEATER EITHER ON OR NEAR THE PR
	7.	THE CONTRACTOR SHALL PHASE DEMOLITION AND CONSTRUCTION AS REQUIRED TO		SUPERVISOR OF RADIO COMMUNICATIONS FOR
		CONSTRUCTION PERIOD. EXISTING BUSINESS AND HOME SERVICES INCLUDE, BUT ARE NOT	13.	ALL TREES PLANTED ARE TO BE INSTALLED UNI
		LIMITED TO ELECTRICAL, COMMUNICATION, FIRE PROTECTION, DOMESTIC WATER AND	14	PORTSMOUTH DPW USING STANDARD INSTALL
		SEWER SERVICES. TEMPORARY SERVICES, IF REQUIRED, SHALL COMPLY WITH ALL FEDERAL,	14.	(CMMP) FOR REVIEW AND APPROVAL BY THE CI
		CONSTRUCTION SCHEDULE TO OWNER PRIOR TO ANY DEMOLITION/CONSTRUCTION		
		ACTIVITIES AND SHALL COORDINATE TEMPORARY SERVICES TO ABUTTERS WITH THE UTILITY		SITE RECORDI
	Q	COMPANY AND AFFECTED ABUTTER.	1.	THIS SITE PLAN SHALL BE RECORDED IN THE R
	0.	AND LOCAL CODES & SPECIFICATIONS.	2.	ALL IMPROVEMENTS SHOWN ON THIS SITE PLA
	9.	ALL WORK SHALL CONFORM TO THE CITY OF PORTSMOUTH DEPARTMENT OF PUBLIC WORKS,		OWNERS. NO CHANGES SHALL BE MADE TO TH
		STANDARD SPECIFICATIONS AND WITH THE STATE OF NEW HAMPSHIRE DEPARTMENT OF		APPROVAL OF THE PORTSMOUTH PLANNING DIF
		CURRENT EDITION. "STANDARD SPECIFICATIONS OF ROAD AND BRIDGE CONSTRUCTION",	3.	THIS IS NOT A BOUNDARY SURVEY AND SHALL
	10.	CONTRACTOR TO SUBMIT AS-BUILT PLANS IN DIGITAL FORMAT (.DWG AND .PDF FILES) ON		
		DISK TO THE OWNER AND ENGINEER UPON COMPLETION OF THE PROJECT. AS-BUILTS SHALL		GRADING AND DRA
		BE PREPARED AND CERTIFIED BY A NEW HAMPSHIRE LICENSED LAND SURVEYOR.	1.	COMPACTION REQUIREMENTS:
	11.	LIMIT OF WORK OF SEDIMENT IMMEDIATELY UPON COMPLETION OF CONSTRUCTION		TRENCH BEDDING MATERIAL AND
	12.	SEE EXISTING CONDITIONS PLAN FOR BENCH MARK INFORMATION.		SAND BLANKET BACKETLL
				BELOW LOAM AND SEED AREAS
		DEMOLITION NOTES:	>	* ALL PERCENTAGES OF COMPACTION SHALL BE
	1.	EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE START OF ANY CLEARING		OPTIMUM MOISTURE CONTENT AS DETERMINED
		OR DEMOLITION ACTIVITIES.		א ככבי-ט ויווד א איז איז איז איז איז איז איז א דעט א איז א איז א איז D-1556 OR ASTM-2922.
	2.	ALL MATERIALS SCHEDULED TO BE REMOVED SHALL BECOME THE PROPERTY OF THE	2.	ALL STORM DRAINAGE PIPES SHALL BE HIGH D
		MATERIALS OFF-SITE IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS,		N-12 OR EQUAL) OR RCP CLASS IV, UNLESS OT
		ORDINANCES AND CODES.	3.	ADJUST ALL MANHOLES, CATCH BASINS, CURB
	3.	COORDINATE REMOVAL, RELOCATION, DISPOSAL OR SALVAGE OF UTILITIES WITH THE	Λ	
	4	ANY EXISTING WORK OF PROPERTY DAMAGED OF DISPUPTED BY CONSTRUCTION/	4.	SPOTS AND PONDING AREAS. CRITICAL AREAS
	ч.	DEMOLITION ACTIVITIES SHALL BE REPLACED OR REPAIRED TO MATCH ORIGINAL EXISTING		RAMPS AND LOADING DOCK AREAS ADJACENT
		CONDITIONS BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.	5.	ALL DISTURBED AREAS NOT TO BE PAVED OR C
	5.	SAW CUT AND REMOVE PAVEMENT ONE (1) FOOT OFF PROPOSED EDGE OF PAVEMENT OR	6	ALL STORM DRAIN CONSTRUCTION SHALL BE IN
		PAVEMENT OR CONCRETE TO REMAIN.	0.	PORTSMOUTH DEPARTMENT OF PUBLIC WORKS
01	6.	THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DEMOLITION AND OFF-SITE DISPOSAL OF		SPECIFICATIONS FOR HIGHWAYS AND BRIDGES
G-1		MATERIALS REQUIRED TO COMPLETE THE WORK, EXCEPT FOR WORK NOTED TO BE	7.	ALL PROPOSED CATCH BASINS SHALL BE EQUIF
Tab:	7	COMPLETED BY OTHERS.		SUMPS.
out ⁻	/.	PORTSMOUTH STANDARDS. THE CONTRACTOR SHALL REMOVE ALL ABANDONED UTILITIES		EROSION CONT
Lay		LOCATED WITHIN THE LIMITS OF WORK UNLESS OTHERWISE NOTED.	1.	SEE SHEET C-501 FOR GENERAL EROSION CON
DM	8.	CONTRACTOR SHALL VERIFY ORIGIN OF ALL DRAINS AND UTILITIES PRIOR TO		
D.D		REMOVAL/TERMINATION TO DETERMINE IF DRAINS OR UTILITY IS ACTIVE, AND SERVICES		UTILITY N
DSG		IMMEDIATELY OF ANY SUCH UTILITY FOUND AND SHALL MAINTAIN THESE UTILITIES UNTIL	1.	COORDINATE ALL UTILITY WORK WITH APPROP
		PERMANENT SOLUTION IS IN PLACE.		• NATURAL GAS - UNITIL
-00	9.	PAVEMENT REMOVAL LIMITS ARE SHOWN FOR CONTRACTOR'S CONVENIENCE. ADDITIONAL		WATER - CITY OF PORTSMOUTH
616		CONTRACTOR TO VERIFY FULL LIMITS OF PAVEMENT REMOVAL PRIOR TO BID.		• SEWER - CITY OF PORTSMOUTH
t\P0	10.	THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL EXISTING STRUCTURES, CONCRETE		COMMUNICATIONS - FAIRPOINT AND COMCAS
Shee		PADS, UTILITIES AND PAVEMENT WITHIN THE WORK LIMITS SHOWN UNLESS SPECIFICALLY	2.	EXISTING UTILITIES TO BE REMOVED SHALL BE
AD\9		IDENTIFIED TO REMAIN. ITEMS TO BE REMOVED INCLUDE BUT ARE NOT LIMITED TO:		DEPARTMENT OF PUBLIC WORKS STANDARDS F
itoC/		PIPING, POLES, STAIRS, SIGNS, FENCES, RAMPS, WALLS, BOLLARDS, BUILDING SLABS,	3.	ALL ELECTRICAL MATERIAL WORKMANSHIP SHA
s\AL		FOUNDATION, TREES AND LANDSCAPING.	Λ	CODE, LATEST EDITION, AND ALL APPLICABLE S
gure	11.	REMOVE TREES AND BRUSH AS REQUIRED FOR COMPLETION OF WORK. CONTRACTOR SHALL	4.	COORDINATED WITH THE APPLICABLE UTILITY
Fic		ACCORDANCE WITH FEDERAL, STATE, AND LOCAL LAWS AND REGULATIONS.	5.	ALL UNDERGROUND CONDUITS SHALL HAVE NY
ving	12.	CONTRACTOR SHALL PROTECT ALL PROPERTY MONUMENTATION THROUGHOUT DEMOLITION	-	CABLES.
Drav	Í	AND CONSTRUCTION OPERATIONS. SHOULD ANY MONUMENTATION BE DISTURBED BY THE	6.	CONNECTORS COVER PLATES AND OTHER MIS
ion/	Í	REPLACE DISTURBED MONUMENTS.		DETAILED ON THESE DRAWINGS TO RENDER IN
Jans	13.	PROVIDE INLET PROTECTION BARRIERS AT ALL CATCH BASINS/CURB INLETS WITHIN	_	OPERATIONAL.
j Exț		CONSTRUCTION LIMITS AS WELL AS CATCH BASINS/CURB INLETS THAT RECEIVE RUNOFF	7.	SAW CUI AND REMOVE PAVEMENT AND CONSTI
rkinç	ĺ	THE DURATION OF THE PROJECT. INLET PROTECTION BARRIERS SHALL BE MAINTAINED FOR	8.	CONTRACTOR SHALL COORDINATE ALL FIFCTRI
1 Pai	ĺ	SACK" BY ACF ENVIRONMENTAL OR EQUAL. INSPECT BARRIERS WEEKLY AND AFTER EACH		CONDUIT CONSTRUCTION, MANHOLE CONSTRU
PRF	Í	RAIN EVENT OF 0.25 INCHES OR GREATER. CONTRACTOR SHALL COMPLETE A MAINTENANCE	~	OVERHEAD WIRE RELOCATION, AND TRANSFOR
\005		AFTER EACH STORM EVENT OR MORE OFTEN IF THE FABRIC BECOMES CLOGGED OR	9.	LIGHTING AND SIGN ILLUMINATION SHALL BE F
\puo	Í	SEDIMENT HAS ACCUMULATED TO 1/3 THE DESIGN DEPTH OF THE BARRIER.		ENGINEER.
on P	14.	THE CONTRACTOR SHALL PAY ALL COSTS NECESSARY FOR TEMPORARY PARTITIONING,		
entic	ĺ	DARKICADING, FENCING, SECURITY AND SAFETY DEVICES REQUIRED FOR THE MAINTENANCE OF A CLEAN AND SAFE CONSTRUCTION SITE.		LANDSCAPE
l Ret	15.	SAW CUT AND REMOVE PAVEMENT AND CONSTRUCT PAVEMENT TRENCH PATCH FOR ALL	1.	THE CONTRACTOR SHALL FURNISH AND PLANT
, NF		UTILITIES TO BE REMOVED AND PROPOSED UTILITIES LOCATED IN EXISTING PAVEMENT		PLANTS SHALL BE NURSERY GROWN.
outh	ĺ	AREAD TU REMAIN.	2.	ALL PLANTS SHALL BE NURSERY GROWN AND P
tsm	ĺ	SITE NOTES		IO THE AMERICAN ASSOCIATION OF NURSERYN
llar - Por	1.	PAVEMENT MARKINGS SHALL BE INSTALLED AS SHOWN, INCLUDING PARKING SPACES. STOP		LANDSCAPE ARCHITECT PRIOR TO ARRIVAL ON-
r Se ital	ĺ	BARS, ADA SYMBOLS, PAINTED ISLANDS, FIRE LANES, CROSS WALKS, ARROWS, LEGENDS	3.	PLANT STOCK SHALL BE GROWN WITHIN THE H
Inde. Hosp	ĺ	AND CENTERLINES. ALL MARKINGS EXCEPT CENTERLINE AND MEDIAN ISLANDS TO BE		THE PLANT HARDINESS ZONE MAP, MISCELLAN
vlexa nal F	ĺ	MARKINGS INCLUDING LEGENDS, ARROWS, CROSSWALKS AND STOP BARS SHALL MEET THE	4	PLANT MATERIAL SHALL REAR THE SAME DELAT
}y: A egioi	ĺ	REQUIREMENTS OF AASHTO M249. ALL PAINTED PAVEMENT MARKINGS INCLUDING	r.	ORIGINAL PLANTING GRADE PRIOR TO DIGGING
ed E th R	ĺ	AASHTO M248 TYPE "F".	5.	THE NUMBER OF EACH INDIVIDUAL PLANT TYPE
Plott nou:	2.	ALL PAVEMENT MARKINGS AND SIGNS TO CONFORM TO "MANUAL ON UNIFORM TRAFFIC		UN THE PLAN IS FOR THE CONTRACTOR'S CONV BETWEEN THE NUMBER OF DUANTS ON THE LAP
)22 ortsi		CONTROL DEVICES", "STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT		THE DRAWINGS, THE GREATER NUMBER SHALL
1, 2(16 Pi	ĺ	MARKINGS", AND THE AMERICANS WITH DISABILITIES ACT REQUIREMENTS, LATEST FDITIONS.	6.	NO SUBSTITUTION OF PLANT MATERIALS WILL
ly 2: P061	3.	SEE DETAILS FOR PAVEMENT MARKINGS, ADA SYMBOLS, SIGNS AND SIGN POSTS	_	APPROVAL OF THE OWNER'S REPRESENTATIVE.
, Ju ו/ק∕∶	4.	CENTERLINES SHALL BE FOUR (4) INCH WIDE YELLOW LINES.	7.	UNDERGROUND LITH TITES PRIOR TO ANY LAWN
<u>a</u> :	5.	PAINTED ISLANDS SHALL BE FOUR (4) INCH WIDE DIAGONAL LINES AT 3'-0" O.C. BORDERED		MIGHT OCCUR BETWEEN PLANTING AND UTILIT
sd	Í	BY FOUR (4) INCH WIDE LINES.		OWNER SO THAT ALTERNATE PLANTING LOCATI
Thursd	~	CTOD DADO CUALL DE ETOUTEEN (40) TNOUEO MARE MUNTE TUESTOS CONSTRUCTOR	-	
te: Thursd e Location	6.	STOP BARS SHALL BE EIGHTEEN (18) INCHES WIDE, WHITE THERMOPLASTIC AND CONFORM	8.	ALL DISTURBED AREAS NOT TO BE PAVED OR C
t Date: Thursd B File Location	6. 7.	STOP BARS SHALL BE EIGHTEEN (18) INCHES WIDE, WHITE THERMOPLASTIC AND CONFORM TO CURRENT MUTCD STANDARDS. CLEAN AND COAT VERTICAL FACE OF EXISTING PAVEMENT AT SAW CUT LINE WITH RS-1	8. 9.	ALL DISTURBED AREAS NOT TO BE PAVED OR C LOAM AND SEED. NO FILL SHALL BE PLACED IN THREE INCHES (3") OF NON-COMBUSTIBLE MUL
Plot Date: Thursd T&B File Location	6. 7.	STOP BARS SHALL BE EIGHTEEN (18) INCHES WIDE, WHITE THERMOPLASTIC AND CONFORM TO CURRENT MUTCD STANDARDS. CLEAN AND COAT VERTICAL FACE OF EXISTING PAVEMENT AT SAW CUT LINE WITH RS-1	8. 9.	ALL DISTURBED AREAS NOT TO BE PAVED OR C LOAM AND SEED. NO FILL SHALL BE PLACED IN THREE INCHES (3") OF NON-COMBUSTIBLE MUI

RIOR TO PLACING NEW BITUMINOUS CONCRETE. Y OF PORTSMOUTH RIGHT OF WAY IS SUBJECT TO REVIEW AND PORTSMOUTH DEPARTMENT OF PUBLIC WORKS.

SPONSIBLE FOR OBTAINING RETAINING WALL DESIGN FROM ID/OR WALL MANUFACTURER. CONTRACTOR SHALL FURNISH ALL UIPMENT REQUIRED TO CONSTRUCT WALL IN ACCORDANCE WITH ENGINEER. RETAINING WALL SHALL BE SEGMENTAL BLOCK WALL

HE FACE OF CURB UNLESS OTHERWISE NOTED.

PLAN SHALL REMAIN IN EFFECT IN PERPETUITY PURSUANT TO THE

TE PLAN REVIEW REGULATIONS.

/E A SITE SURVEY CONDUCTED BY A RADIO COMMUNICATIONS E CITY'S COMMUNICATIONS DIVISION. THE RADIO

R MUST BE FAMILIAR AND CONVERSANT WITH THE POLICE AND

THE SITE SURVEY INDICATES IT IS NECESSARY TO INSTALL A ON OR NEAR THE PROPOSED PROJECT, THOSE COSTS SHALL BE HE PROPERTY OWNER. THE OWNER SHALL COORDINATE WITH THE

MMUNICATIONS FOR THE CITY. O BE INSTALLED UNDER THE SUPERVISION OF THE CITY OF STANDARD INSTALLATION METHODS.

PARE A CONSTRUCTION MITIGATION AND MANAGEMENT PLAN APPROVAL BY THE CITY'S LEGAL AND PLANNING DEPARTMENTS.

SITE RECORDING NOTES:

RECORDED IN THE ROCKINGHAM COUNTY REGISTRY OF DEEDS. N ON THIS SITE PLAN SHALL BE CONSTRUCTED AND MAINTAINED PLAN BY THE PROPERTY OWNER AND ALL FUTURE PROPERTY ALL BE MADE TO THIS SITE PLAN WITHOUT THE EXPRESSED 100TH PLANNING DIRECTOR.

SURVEY AND SHALL NOT BE USED AS SUCH.

GRADING AND DRAINAGE NOTES:

95%

95% 90%

IPACTION SHALL BE OF THE MAXIMUM DRY DENSITY AT THE ENT AS DETERMINED AND CONTROLLED IN ACCORDANCE WITH IELD DENSITY TESTS SHALL BE MADE IN ACCORDANCE WITH ASTM

ES SHALL BE HIGH DENSITY POLYETHYLENE (HANCOR HI-Q, ADS ASS IV, UNLESS OTHERWISE SPECIFIED. ATCH BASINS, CURB BOXES, ETC. WITHIN LIMITS OF WORK TO

IDE A FINISH PAVEMENT SURFACE AND LAWN AREAS FREE OF LOW S. CRITICAL AREAS INCLUDE BUILDING ENTRANCES, EXITS, AREAS ADJACENT TO THE BUILDING.

TO BE PAVED OR OTHERWISE TREATED SHALL RECEIVE 6" LOAM,

UCTION SHALL BE IN ACCORDANCE WITH THE CITY OF F OF PUBLIC WORKS SPECIFICATIONS AND NHDOT STANDARD IWAYS AND BRIDGES, LATEST EDITION.

INS SHALL BE EQUIPPED WITH OIL/GAS SEPARATOR HOODS AND 4'

EROSION CONTROL NOTES:

ERAL EROSION CONTROL NOTES AND DETAILS.

UTILITY NOTES:

WORK WITH APPROPRIATE UTILITY COMPANY.

- POINT AND COMCAST REMOVED SHALL BE CAPPED AT THE MAIN AND MEET THE ORKS STANDARDS FOR CAPPING OF WATER AND SEWER SERVICES. WORKMANSHIP SHALL CONFORM TO THE NATIONAL ELECTRIC ID ALL APPLICABLE STATE AND LOCAL CODES. IEW UTILITY SERVICES AND CONNECTIONS SHALL BE PPLICABLE UTILITY COMPANIES. JITS SHALL HAVE NYLON PULL ROPES TO FACILITATE PULLING ROVIDE AND INSTALL ALL MANHOLES, BOXES, FITTINGS, ES, AND OTHER MISCELLANEOUS ITEMS NOT NECESSARILY INGS TO RENDER INSTALLATION OF UTILITIES COMPLETE AND /EMENT AND CONSTRUCT PAVEMENT TRENCH PATCH FOR ALL TED IN EXISTING PAVEMENT AREAS TO REMAIN DINATE ALL ELECTRIC WORK INCLUDING BUT NOT LIMITED TO: MANHOLE CONSTRUCTION, UTILITY POLE CONSTRUCTION, ION, AND TRANSFORMER CONSTRUCTION WITH POWER COMPANY. TONS, CONDUIT LAYOUT AND CIRCUITRY FOR PROPOSED SITE INATION SHALL BE PROVIDED BY THE PROJECT ELECTRICAL LANDSCAPE NOTES: URNISH AND PLANT ALL PLANTS IN QUANTITIES AS SHOWN ON IONS WILL BE PERMITTED UNLESS APPROVED BY OWNER. ALL SERY GROWN AND PLANTS AND WORKMANSHIP SHALL CONFORM ATION OF NURSERYMEN STANDARDS, INCLUDING BUT NOT SHAPE, ETC., AND SHALL BE SUBJECT TO THE APPROVAL OF THE IOR TO ARRIVAL ON-SITE AND AFTER PLANTING. OWN WITHIN THE HARDINESS ZONES 4 THRU 7 ESTABLISHED BY NE MAP, MISCELLANEOUS PUBLICATIONS NO. 814, AGRICULTURAL D STATES DEPARTMENT AGRICULTURE, LATEST REVISION. AR THE SAME RELATIONSHIP TO FINISHED GRADE AS TO THE E PRIOR TO DIGGING.
- IVIDUAL PLANT TYPE AND SIZE PROVIDED IN THE PLANT LIST OR CONTRACTOR'S CONVENIENCE ONLY. IF A DISCREPANCY EXISTS PLANTS ON THE LABEL AND THE NUMBER OF SYMBOLS SHOWN ON TER NUMBER SHALL APPLY.

NT MATERIALS WILL BE ALLOWED WITHOUT THE PRIOR WRITTEN

OCATE, VERIFY AND MARK ALL EXISTING AND NEWLY INSTALLED PRIOR TO ANY LAWN WORK OR PLANTING. ANY CONFLICTS WHICH ANTING AND UTILITIES SHALL IMMEDIATELY BE REPORTED TO THE FE PLANTING LOCATIONS CAN BE DETERMINED.

T TO BE PAVED OR OTHERWISE TREATED, SHALL RECEIVE 6" OF SHALL BE PLACED IN ANY WETLAND AREA.

V-COMBUSTIBLE MULCH IS TO BE USED AROUND THE TREE AND

SHRUB PLANTING AS SPECIFIED IN THE DETAILS. WHERE MULCH IS TO BE USED IN A CURBED ISLAND THE MULCH SHALL MEET THE TOP INSIDE EDGE OF THE CURB. ALL OTHER AREAS SHALL RECEIVE 6" INCHES OF LOAM AND SEED.

- 10. SEE PLANTING DETAILS AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- 11. TREE STAKES SHALL REMAIN IN PLACE FOR NO LESS THAN 6 MONTHS AND NO MORE THAN 1 YEAR
- 12. PLANTING SHALL BE COMPLETED FROM APRIL 15TH THROUGH OCTOBER 1ST. NO PLANTING DURING JULY AND AUGUST UNLESS SPECIAL PROVISIONS ARE MADE FOR DROUGHT.
- 13. TREES SHALL BE PRUNED IN ACCORDANCE WITH THE LATEST EDITION OF ANSI A300 'TREES, SHRUBS AND OTHER WOOD PLANT MAINTENANCE STANDARD PRACTICES. 14. ALL PLANTS SHALL BE WATERED THOROUGHLY TWICE DURING THE FIRST 24 HOUR PERIOD
- AFTER PLANTING. ALL PLANTS SHALL BE WATERED WEEKLY, OR MORE OFTEN, IF NECESSARY DURING THE FIRST GROWING SEASON. LANDSCAPE CONTRACTOR SHALL COORDINATE WATERING SCHEDULE WITH OWNER DURING THE ONE (1) YEAR GUARANTEE PERIOD.
- 15. EXISTING TREES AND SHRUBS SHOWN ON THE PLAN ARE TO REMAIN UNDISTURBED. ALL EXISTING TREES AND SHRUBS SHOWN TO REMAIN ARE TO BE PROTECTED WITH A 4-FOOT SNOW FENCE PLACED AT THE DRIP LINE OF THE BRANCHES OR AT 8 FEET MINIMUM FROM THE TREE TRUNK. ANY EXISTING TREE OR SHRUB SHOWN TO REMAIN, WHICH IS REMOVED DURING CONSTRUCTION, SHALL BE REPLACED BY A TREE OF COMPARABLE SIZE AND SPECIES TREE OR SHRUB.
- 16. THE CONTRACTOR SHALL GUARANTEE ALL PLANTINGS TO BE IN GOOD HEALTHY, FLOURISHING AND ACCEPTABLE CONDITION FOR A PERIOD OF ONE (1) YEAR BEGINNING AT THE DATE OF ACCEPTANCE OF SUBSTANTIAL COMPLETION. ALL GRASSES, TREES AND SHRUBS THAT, IN THE OPINION OF THE LANDSCAPE ARCHITECT, SHOW LESS THAN 80% HEALTHY GROWTH AT THE END OF ONE YEAR PERIOD SHALL BE REPLACED BY THE CONTRACTOR.
- 17. UPON EXPIRATION OF THE CONTRACTOR'S ONE YEAR GUARANTEE PERIOD, THE OWNER SHALL BE RESPONSIBLE FOR LANDSCAPE MAINTENANCE INCLUDING WATERING DURING PERIODS OF DROUGHT
- 18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL PLANTING AND LAWNS AGAINST DAMAGE FROM ONGOING CONSTRUCTION. THIS PROTECTION SHALL BEGIN AT THE TIME THE PLANT IS INSTALLED AND CONTINUE UNTIL THE FORMAL ACCEPTANCE OF ALL THE PLANTINGS.
- 19. PRE-PURCHASE PLANT MATERIAL AND ARRANGE FOR DELIVERY TO MEET PROJECT SCHEDULE AS REQUIRED IT MAY BE NECESSARY TO PRE-DIG CERTAIN SPECIES WELL IN ADVANCE OF ACTUAL PLANTING DATES.

EXISTING CONDITIONS PLAN NOTES:

- 1. EXISTING CONDITIONS ARE BASED ON A FIELD SURVEY BY DOUCET SURVEY, DATED OCTOBER 2021.
- 2. WETLAND DELINEATION BY TIGHE & BOND, ON SEPTEMBER 17, 2021, AND FIELD LOCATED BY DOUCET SURVEY.

REFERENCE PLANS:

1. SEE EXISTING CONDITIONS PLAN, BY DOUCET SURVEY.

ABBREVIATIONS				
	AMERICAN ASSOCIATION OF		NEW HAMPSHIRE DEPARTMENT	
AASHTO	STATE HIGHWAY &	NILLES	OF ENVIRONMENTAL SERVICES	
	TRANSPORTATION OFFICIALS	NRCC	NORTHEAST REGIONAL	
AC	ACRES			
ADA	AMERICANS WITH	NRCS		
	DISABILITIES ACT	00	ON CENTER	
AGGR				
AUT	ALTERATION OF TERRIAN			
BLDG	BUILDING			
BMP(S)				
DOC	PRACTICE(S)	PCD		
BOC	BOTTOM OF CURB	PDMH		
BOM	BOTTOM OF WALL	PI	POINT OF INTERSECTION	
CB	CATCH BASIN		PROPOSED OUTLET	
ССВ	CAPE COD BERM	POS	STRUCTURE	
CMP	CORRUGATED METAL PIPE	PROP	PROPOSED	
CONST	CONSTRUCT	PSMH	PROPOSED SEWER MANHOLE	
COORD	COORDINATE	PT	POINT OF TANGENCY	
DIA	DIAMETER	PVC	POLYVINYL CHLORIDE	
DIP	DUCTILE IRON PIPE	PVMT	PAVEMENT	
DMH	DRAINAGE MANHOLE	PYD	PROPOSED YARD DRAIN	
DH	DOGHOUSE	R	RADIUS	
DWG	DRAWING	RCP	REINFORCED CONCRETE PIPE	
ELEV	ELEVATION	RL	ROOF LEADER	
EP	EDGE OF PAVEMENT	ROW	RIGHT OF WAY	
EXIST	EXISTING	SF	SQUARE FEET	
FES	FLARED END SECTION		SOCIETY OF SOIL SCIENTISTS	
FF	FINISHED FLOOR	SSSINIE	OF NORTHERN NEW ENGLAND	
HDPE	HIGH DENSITY POLYETHYLENE	STD	STANDARD	
HMA	HOT MIX ASPHALT	TBR	TO BE REMOVED	
HMP	HOT MIX PAVEMENT	TOC	TOP OF CURB	
HW	HEADWALL	TOW	TOP OF WALL	
HYD	HYDRANT	TYP	TYPICAL	
ID	INSIDE DIAMETER	UD	UNDERDRAIN	
INV	INVERT		UNIFIED SOIL CLASSIFICATION	
L	LENGTH	0303	SYSTEM	
LF	LINEAR FEET	USDA	UNITED STATES DEPARTMENT	
MAX	MAXIMUM			
MIN	MINIMUM	VV		
NCSS	NATIONAL COOPERATIVE	VV/		
11033	SURVEY	YD	YAKD DAKIN	

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SWL

DYL

- IENTISTS NGLAND

- TARD DARIN

- AIN
- RETE PIPE

- ARTMENT

- TION
- IANHOLE

- - - **IFICATION**

LEGEND

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EXISTING LOT LINE PROPOSED LEASE LINE APPROXIMATE LIMIT OF WORK APPROXIMATE LIMIT OF SAWCUT EXISTING RIGHT-OF-WAY LINE EXISTING CHAIN LINK FENCE EXISTING OVERHEAD WIRE EXISTING SEWER LINE PROPOSED SEWER LINE EXISTING DRAIN LINE PROPOSED DRAIN LINE PROPOSED DRAIN LINE EXISTING GAS LINE PROPOSED GAS LINE EXISTING TELEPHONE LINE PROPOSED COMMUNICATIONS LINE PROPOSED ELECTRIC LINE

APPROXIMATE LIMITS OF UTILITY LINE REMOVAL

EXISTING WATER LINE PROPOSED WATER LINE EXISTING MAJOR CONTOUR LINE EXISTING MINOR CONTOUR LINE PROPOSED CONTOUR LINE EXISTING TREE LINE PROPOSED TREE LINE EXISTING EDGE OF WETLAND EXISTING WETLAND AREA WETLAND BUFFER

EXISTING CONCRETE

PROPOSED CONCRETE

EXISTING CRUSHED STONE

APPROXIMATE LIMIT OF TREE CLEARING

EXISTING PAVEMENT/CONCRETE TO BE REMOVED

PROPOSED STANDARD DUTY PAVEMENT SECTION

PROPOSED HEAVY DUTY PAVEMENT SECTION

PROPOSED BITUMINOUS SIDEWALK

PROPOSED SNOW STORAGE AREA

PROPOSED BUFFER ENHANCEMENT AREA

APPROXIMATE LIMIT OF WORK APPROXIMATE LIMIT OF SAWCUT PROPOSED SILT SOCK EXISTING UTILITY POLE EXISTING UTILITY POLE & GUY WIRE EXISTING UTILITY POLE W/LIGHT EXISTING UTILITY POLE STUMP PROPOSED LIGHT POLE BASE EXISTING SIGN PROPOSED SIGN EXISTING IRON PIPE/ROD FOUND EXISTING POST EXISTING BOLLARD PROPOSED BOLLARD EXISTING FIRE HYDRANT PROPOSED FIRE HYDRANT WATER GATE VALVE PROPOSED WATER GATE VALVE EXISTING GAS GATE VALVE EXISTING GAS REGULATOR EXISTING VENT PIPE EXISTING TELEPHONE BOX EXISTING UTILITY BOX EXISTING CATCH BASIN PROPOSED CATCH BASIN EXISTING DRAIN MANHOLE PROPOSED DRAIN MANHOLE EXISTING ELECTRIC MANHOLE EXISTING SEWER MANHOLE EXISTING DECIDUOUS TREE PROPOSED LANDSCAPING BORING LOCATION TEST PIT LOCATION EXISTING SURVEYED SPOT GRADE APPROX EXISTING SPOT GRADE PROPOSED SPOT GRADE CONCRETE APPROXIMATE CUT AND CAP LOCATION OF EXISTING UTILITY VERTICAL GRANITE CURB SLOPED BITUMINOUS BERM SINGLE WHITE LINE DOUBLE YELLOW LINE







진집 22:1 12

ARKING REQUIREMENTS:	REQUIRED	PROPOSED
ARKING STALL LAYOUT: STANDARD 90°	8 5' X 19'	8 5' X 19'
STANDARD 50	0.5 X 15	0.5 × 19
RIVE AISLE WIDTH:		
90° (2-WAY TRAFFIC)	24 FT	24 FT
IINIMUM SETBACKS:		
FRONT:	50 FT	35.4 FT ⁽¹⁾
ARKING SPACE REQUIREMENTS:		
IEDICAL OFFICE:		
1 SPACE / 250 GFA		
±46,665 SF / 250 SF/SPACE =	187 SPACES	
IOSPITAL:		
PER PARKING DEMAND ANALYSIS ⁽²⁾	965 SPACES	
IINIMUM PARKING:	1,152 SPACES	
		783 EXISTING SPACES
IAXIMUM PARKING ⁽³⁾ :	1,382 SPACES	501 PROPOSED SPACE
		1,284 TOTAL SPACES

ACCESSIBLE PARKING REQUIREMENTS: PROPOSED SATELLITE PARKING LOT 11 SPACES

(1) - A VARIANCE WAS GRANTED BY THE ZONING BOARD OF ADJUSTMENT ON FEBRUARY 23, 2022 FROM SECTION 10.113.41 TO ALLOW A 35 FOOT FRONT SETBACK FOR A PARKING LOT WHERE 50 FEET IS REQUIRED
(2) - PARKING DEMAND BASED ON GFA OF THE EXISTING HOSPITAL (±430,495 SF)
(3) - MAXIMUM PARKING EQUALS 120% OF MINIMUM
(4) - INCLUDING 11 ADA SPACES IN THE SATELLITE PARKING LOT PER ADA STANDARDS SECTION 208

11 SPACES

Tighe&Bond
BRADLEE MEZQUITA No. 08830 CENSE SIONALENDATION MILLING
PATRICK PATRICK CRIMMINS No. 12378 ON ALCONSCIENCE ON ALCONSCIENCE OTHERT-2022
SCALE IN FEET 100' 200' GRAPHIC SCALE Proposed Satellite Parking Lot
Portsmouth Regional Hospital
444 Borthwick Avenue Portsmouth, New Hampshire
F 07/21/2022 REV PER AOT & PEER REVIEW E 06/29/2022 PB SUBMISSION D 05/23/2022 AOT SUBMISSION C 05/12/2022 TAC RESUBMISSION 2 B 04/21/2022 TAC RESUBMISSION A 03/22/2022 TAC SUBMISSION MARK DATE DESCRIPTION PROJECT NO: P0616-001 DATE: 3/22/22
FILE: P0616-005_C-DSGN.DWG DRAWN BY: AFS CHECKED: PMC APPROVED: BLM OVERALL PARKING PLAN SCALE: AS SHOWN C-102



ARKING REQUIREMENTS:	REQUIRED	PROPOSED
PARKING STALL LAYOUT:		
STANDARD 90°	8.5' X 19'	8.5' X 19'
ORIVE AISLE WIDTH:		
90° (2-WAY TRAFFIC)	24 FT	24 FT
IINIMUM SETBACKS:		
FRONT:	50 FT	35.4 FT ⁽¹⁾
ARKING SPACE REQUIREMENTS:		
IEDICAL OFFICE:		
1 SPACE / 250 GFA		
±46,665 SF / 250 SF/SPACE =	187 SPACES	
IOSPITAL:		
PER PARKING DEMAND ANALYSIS ⁽²⁾	965 SPACES	
INIMUM PARKING:	1.152 SPACES	
	_,	783 EXISTING SPAC
AXIMUM PARKING ⁽³⁾	1 382 SPACES	501 PROPOSED SPA
	2,002 01 4020	1,284 TOTAL SPACES

<u>SITE DATA:</u> LOCATION:TAX MAP (444 BORTHWICK AVE PORTSMOUTH, NH 03	0234, LOT 0007-00 NUE & EILEEN DOI 801	4A NDERO FOLEY AVENU	E
ZONING DISTRICTS: (OFFICE RESEARCH WETLAND		
ALLOWED USE: S	SATELLITE PARKIN	G LOT ⁽¹⁾	
(1) - A SPECIAL EXCE ADJUSTMENT ON A PARKING LOT	PTION WAS GRAN N FEBRUARY 23, 20 ON ANOTHER LOT	TED BY THE ZONING 122 FROM SECTION 1 IN THE SAME OWNE	BOARD OF 0.1113.112 TO ALLO RSHIP
<u>DIMENSIONAL REQUI</u> MINIMUM LOT AREA:	REMENTS:	REQUIRED 3 ACRES	PROPOSED ±9.09 ACRES
MINIMUM STREET FR	ONTAGE:	300 FT	±1,313 FT
MINIMUM SETBACKS: • FRONT: • SIDE: • REAR:		50 FT 75 FT 50 FT	N/A N/A N/A







ANICAL NAME	COMMON NAME	SIZE
R X 'FREEMANII'	AUTUMN BLAZE MAPLE	3-31/2" CALIPE
ATAEGUS CRUS GALLI 'INERMIS'	THORNLESS COCKSPUR HAWTHORN	2-2½" CALIPE
NKLINIA ALATAMAHA	FRANKLIN TREE	7'-8' HT
DITSIA 'SHADEMASTER'	SHADEMASTER LOCUST	2 ¹ /2-3" CALIPE
ERCUS RUBRUM	RED OAK	21/2-3" CALIPE
IA CORDATA 'GREENSPIRE'	GREENSPIRE LINDEN	21/2-3" CALIPE
KOVA SERRATA 'GREEN VASE'	GREEN VASE ZELKOVA	21/2-3" CALIPE
TANICAL NAME	COMMON NAME	SIZE
RYLUS AMERICANA	AMERICAN HAZELNUT	5 GAL
ONIA MELANOCARPA	BLACK CHOKEBERRY	5 GAL
THRA ALNIFOLIA	SUMMER SWEET	5 GAL
PHALANTHUS OCCIDENTALIS	BUTTON BUSH	5 GAL
RNUS RACEMOSA	GRAY DOGWOOD	5 GAL
RNUS SERICEA 'CARDINAL'	RED TWIG DOGWOOD	5 GAL
SOCARPUS OPULIFOLIUS 'DIABLO'	DIABLO NINEBARK	5 GAL
RINGA VULGARIS	COMMON LILAC	5 GAL
URNUM DENTATUM	ARROWWOOD	5 GAL

BOTANICAL NAME	COMMON NAME	SIZE
ACER RUBRUM	RED MAPLE	2-3" CALIPER
FAGUS GRANDIFOLIA	AMERICAN BEECH	2-3" CALIPER
BETULA ALLAGHANIENSIS	YELLOW BIRCH	2-3" CALIPER
BETULA POPULIFOLIA	GREY BIRCH	2-3" CALIPER
<u>S:</u>		
		0175

ARPA	BLACK CHOKEBERRY	
.IA	SUMMER SWEET	
'CARDINAL'	RED TWIG DOGWOOD	
INIANA	WITCH HAZEL	



SELL/ Alex: 5:23 AM By: 2022 Plotted B 20, July July, day, Date:



Luminaire Schedule				
Symbol	Qty	Label	Arra	
Ð	4	P3-S	Sing	
Ð	14	P4-S	Sing	
	6	P5-2	Back	

GENERAL PROJECT INFORMATION	AREAS, COVERING LOADED DUMP TRUCKS LEAVING TH
PROJECT OWNER: PORTSMOUTH REGIONAL HOSPITAL 333 BORTHWICK AVENUE PORTSMOUTH, NH	3. DUST CONTROL MEASURES SHALL BE UTILIZED SO AS T SITE TO ABUTTING AREAS INCLUDING BUT NOT LIMITED FOLEY AVENUE.
PROJECT NAME: PROPOSED SATELLITE PARKING LOT PROJECT ADDRESS: BORTHWICK AVENUE	STOCKPILES:
PORTSMOUTH, NH PROJECT MAP / LOT: MAP 234 / LOT 7-4A	 LOCATE STOCKPILES A MINIMUM OF 50 FEET AWAY FRO ALL STOCKPILES SHOULD BE SURROUNDED WITH TEMP
PROJECT LATITUDE: 43°-03'-56.5"N	THE ONSET OF PRECIPITATION.
	ACCOMMODATE THE DELIVERY AND REMOVAL OF MATER
THE PROJECT CONSISTS OF THE CONSTRUCTION OF A 520 SPOT SATELLITE PARKING LOT TO SERVICE THE	4. PROTECT ALL STOCKPILES FROM STORMWATER RUN-OF
XISTING PORTSMOUTH REGIONAL HOSPITAL. THE WORK IS ANTICIPATED TO START IN FALL 2022, AND BE COMPLETED BY FALL 2023.	MEASURES SUCH AS BERMS, SILT SOCK, OR OTHER APP MATERIAL BEYOND THE IMMEDIATE CONFINES OF THE S
DISTURBED AREA THE TOTAL AREA TO BE DISTURBED IS APPROXIMATELY 6.24 ACRES.	OFF SITE VEHICLE TRACKING: 1. THE CONTRACTOR SHALL CONSTRUCT STABILIZED CON EXCAVATION ACTIVITIES
SOIL CHARACTERISTICS	VEGETATION.
SOLS ON SITE SPECIFIC SOLE SOLVER CONDUCTED BY FIGHE & BOND INC., ON NOVEMBER 18 & 19, 2021 THE SOLLS ON SITE CONSIST OF WOODBRIDGE, BOXFROD, SCITICO, PAXTON, HOLLIS, CHATFIELD AND SCIO	1. TEMPORARY GRASS COVER:
SOILS WITCH KANGE FROM WELL DRAINED TO POORLY DRAINED SOILS WITH HYDROLOGIC SOIL GROUP	A. SEEDBED PREPARATION: a. APPLY FERTILIZER AT THE RATE OF 600 POUND
NAME OF RECEIVING WATERS	(EQUIVALENT TO 50 PERCENT CALCIUM PLUS M TONS PER ACRE:
HE STORMWATER RUNOFF FROM THE SITE WILL BE DISCHARGED VIA OVERLAND FLOW TO AN UNNAMED	B. SEEDING:
ALLAND AND ULTIMATELT FLOWS TO THE FISCATAQUA KIVEK.	b. WHERE THE SOIL HAS BEEN COMPACTED BY CC
ONSTRUCTION SEQUENCE OF MAJOR ACTIVITIES: . CUT AND CLEAR TREES.	DEPTH OF TWO (2) INCHES BEFORE APPLYING F c. APPLY SEED UNIFORMLY BY HAND, CYCLONE SF
CONSTRUCT TEMPORARY AND PERMANENT SEDIMENT, EROSION AND DETENTION CONTROL FACILITIES.	SEED AND FERTILIZER). HYDROSEEDINGS, WH
OPERATIONS THAT WILL INFLUENCE STORMWATER RUNOFF SUCH AS:	C. MAINTENANCE:
INEW CONSTRUCTION DEVELOPMENT OF BORROW PIT AREAS	a. FEMPORARY SEEDING SHALL BE PERIODICALLY SURFACE SHOULD BE COVERED BY VEGETAT
 DISPOSAL OF SEDIMENT SPOIL, STUMP AND OTHER SOLID WASTE FLOOD PLAIN EXCAVATION WORK 	SEDIMENTATION IS APPARENT, REPAIRS SHALL USED IN THE INTERIM (MULCH, FUTER BARRIE
STREAM CHANNEL MODIFICATIONS CONTROL OF DUST	2. PERMANENT MEASURES AND PLANTINGS:
CONSTRUCTION OF ACCESS AND HAUL ROAD	A. LIMESTONE SHALL BE THOROUGHLY INCORPORATEL TONS PER ACRE IN ORDER TO PROVIDE A PH VALUE
 NEARNESS OF CONSTRUCTION SITE TO RECEIVING WATERS CONSTRUCTION DURING LATE WINTER AND EARLY SPRING 	B. FERTILIZER SHALL BE SPREAD ON THE TOP LAYER OF FERTILIZER APPLICATION RATE SHALL BE 800 POUR
ALL PERMANENT DITCHES, SWALES, DETENTION, RETENTION AND SEDIMENTATION BASINS TO BE STABILIZED USING THE VEGETATIVE AND NON-STRUCTURAL BMPS PRIOR TO DIRECTING RUNOFE TO	C. SOIL CONDITIONERS AND FERTILIZER SHALL BE AP
THEM.	PULVERIZED, SMOOTH AND EVEN, AND THE COMP
CONSTRUCT TEMPORARY CULVERTS AND DIVERSION CHANNELS AS REQUIRED.	AND 5-1/2 POUNDS PER INCH OF WIDTH;
. GRADE AND GRAVEL ROADWAYS AND PARKING AREAS - ALL ROADS AND PARKING AREA SHALL BE STABILIZED WITHIN 72 HOURS OF ACHIEVING FINISHED GRADE.	D. SEED SHALL BE SOWN AT THE RATE SHOWN BELOW PREFERABLY BY MACHINE, BUT IF BY HAND, ONLY
BEGIN PERMANENT AND TEMPORARY SEEDING AND MULCHING. ALL CUT AND FILL SLOPES SHALL BE SEEDED AND MULCHED WITHIN 72 HOURS OF ACHIEVING FINISHED GRADE	BEFORE SEEDING, THE SOIL SHALL BE LIGHTLY RAP
DAILY, OR AS REQUIRED, CONSTRUCT TEMPORARY BERMS, DRAINS, DITCHES, PERIMETER EROSION	BE LIGHTLY RAKED INTO THE SOIL TO A DEPTH NO
SEDIMENT TRAPS AND/OR BASINS SHALL BE USED AS NECESSARY TO CONTAIN RUNOFF UNTIL SOILS	ROLLER WEIGHING NOT OVER 100 POUNDS PER LIN E. HAY MULCH SHALL BE APPLIED IMMEDIATELY AFTEF
ARE STABILIZED. J. FINISH PAVING ALL ROADWAYS AND PARKING LOTS.	F. THE SURFACE SHALL BE WATERED AND KEPT MOIS WASHING AWAY THE SOIL UNTIL THE GRASS IS W
L. INSPECT AND MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES.	SATISFACTORILY COVERED WITH GRASS SHALL BE
3. REMOVE TRAPPED SEDIMENTS FROM COLLECTOR DEVICES AS APPROPRIATE AND THEN REMOVE	H. A GRASS SEED MIXTURE CONTAINING THE FOLLOW
TEMPORARY EROSION CONTROL MEASURES.	THE INDICATED RATE: SEED MIX APPLICATION RATE
PECIAL CONSTRUCTION NOTES: . THE CONSTRUCTION SEQUENCE MUST LIMIT THE DURATION AND AREA OF DISTURBANCE	CREEPING RED FESCUE 20 LBS/ACRE
. THE PROJECT IS TO BE MANAGED IN A MANNER THAT MEETS THE REQUIREMENTS AND INTENT OF RSA	REDTOP 2 LBS/ACRE
430.33 AND CHAFTER AGR 3000 RELATIVE TO INVASIVE SPECIES.	IN NO CASE SHALL THE WEED CONTENT EXCEED OF COMPLY WITH STATE AND FEDERAL SEED LAWS. SE
ROSION CONTROL NOTES: . <u>ALL EROSION CONTROL MEASURES AND PRACTICES SHALL CONFORM TO THE "NEW HAMPSHIRE</u>	SEPTEMBER 15. IN NO CASE SHALL SEEDING TAKE
STORMWATER MANUAL VOLUME 3: EROSION AND SEDIMENT CONTROLS DURING CONSTRUCTION" PREPARED BY THE NHDES	A. FOLLOW PERMANENT MEASURES SLOPE, LIME, FER
PRIOR TO ANY WORK OR SOIL DISTURBANCE, CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR	MEASURES.
CONTRACTOR SHALL INSTALL TEMPORARY EROSION CONTROL BARRIERS, INCLUDING HAY BALES, SILT	CONCRETE WASHOUT AREA:
FENCES, MULCH BERMS, SILT SACKS AND SILT SOCKS AS SHOWN IN THESE DRAWINGS AS THE FIRST ORDER OF WORK.	1. THE FOLLOWING ARE THE ONLY NON-STORMWATER DISCHARCES ARE PROHIBITED ON A
SILT SACK INLET PROTECTION SHALL BE INSTALLED IN ALL EXISTING AND PROPOSED CATCH BASIN	A. THE CONCRETE DELIVERY TRUCKS SHALL, WHENEV
PERIMETER CONTROLS INCLUDING SILT FENCES, MULCH BERM, SILT SOCK, AND/OR HAY BALE BARRIERS	I HEIR OWN PLANT OR DISPATCH FACILITY; B. IF IT IS NECESSARY, SITE CONTRACTOR SHALL DES
SHALL BE MAINTAINED FOR THE DURATION OF THE PROJECT UNTIL NON-PAVED AREAS HAVE BEEN STABILIZED.	FACILITIES TO HANDLE ANTICIPATED WASHOUT WA
. THE CONTRACTOR SHALL REMOVE AND PROPERLY DISPOSE OF ALL TEMPORARY EROSION CONTROL DEVICES UPON COMPLETION OF CONSTRUCTION	SWALES AND SURFACE WATERS OR DELINEATED W
ALL DISTURBED AREAS NOT OTHERWISE BEING TREATED SHALL RECEIVE 6" LOAM, SEED AND	MATERIALS NEED TO BE REMOVED.
FERTILIZER. . INSPECT ALL INLET PROTECTION AND PERIMETER CONTROLS WEEKLY AND AFTER EACH RAIN STORM OF	ALLOWABLE NON-STORMWATER DISCHARGES:
0.25 INCH OR GREATER. REPAIR/MODIFY PROTECTION AS NECESSARY TO MAXIMIZE EFFICIENCY OF FILTER. REPLACE ALL FILTERS WHEN SEDIMENT IS 1/3 THE FILTER HEIGHT	1. FIRE-FIGHTING ACTIVITIES;
. CONSTRUCT EROSION CONTROL BLANKETS ON ALL SLOPES STEEPER THAN 3:1.	3. WATERS USED TO WASH VEHICLES WHERE DETERGENT
TABILIZATION:	 WATER USED TO CONTROL DUST; POTABLE WATER INCLUDING UNCONTAMINATED WATER
AN AREA SHALL BE CONSIDERED STABLE WHEN ONE OF THE FOLLOWING HAS OCCURRED: A. BASE COURSE GRAVELS HAVE BEEN INSTALLED IN AREAS TO BE PAVED:	6. ROUTINE EXTERNAL BUILDING WASH DOWN WHERE DE 7. PAVEMENT WASH WATERS WHERE DETERCENTS ARE NO
B. A MINIMUM OF 85% VEGETATED GROWTH HAS BEEN ESTABLISHED;	8. UNCONTAMINATED AIR CONDITIONING/COMPRESSOR C
D. EROSION CONTROL BLANKETS HAVE BEEN PROPERLY INSTALLED.;	 9. UNCONTAMINATED GROUND WATER OR SPRING WATER 10. FOUNDATION OR FOOTING DRAINS WHICH ARE UNCONTACTION
E. IN AREAS TO BE PAVED, "STABLE" MEANS THAT BASE COURSE GRAVELS MEETING THE REQUIREMENTS OF NHOOT STANDARD FOR ROAD AND BRIDGE CONSTRUCTION. 2016. ITEM 304.2	11. UNCONTAMINATED EXCAVATION DEWATERING;
HAVE BEEN INSTALLED.	

A. 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, OR IF CONSTRUCTION IS TO CONTINUE THROUGH THE WINTER SEASON BE CLEARED OF ANY ACCUMULATED SNOW AFTER EACH STORM EVENT;

STABILIZATION SHALL BE INITIATED ON ALL LOAM STOCKPILES, AND DISTURBED AREAS, WHERE CONSTRUCTION ACTIVITY SHALL NOT OCCUR FOR MORE THAN TWENTY-ONE (21) CALENDAR DAYS BY THE FOURTEENTH (14TH) DAY AFTER CONSTRUCTION ACTIVITY HAS PERMANENTLY OR TEMPORARILY CEASED IN THAT AREA. STABILIZATION MEASURES TO BE USED INCLUDE: A. TEMPORARY SEEDING;

B. MULCHING.

ALL AREAS SHALL BE STABILIZED WITHIN 45 DAYS OF INITIAL DISTURBANCE.

- WHEN CONSTRUCTION ACTIVITY PERMANENTLY OR TEMPORARILY CEASES WITHIN 100 FEET OF NEARBY SURFACE WATERS OR DELINEATED WETLANDS, THE AREA SHALL BE STABILIZED WITHIN SEVEN (7) DAYS OR PRIOR TO A RAIN EVENT. ONCE CONSTRUCTION ACTIVITY CEASES PERMANENTLY IN AN THESE AREAS, SILT FENCES, MULCH BERMS, HAY BALE BARRIERS AND ANY EARTH/DIKES SHALL BE REMOVED ONCE PERMANENT MEASURES ARE ESTABLISHED.
- DURING CONSTRUCTION, RUNOFF WILL BE DIVERTED AROUND THE SITE WITH EARTH DIKES, PIPING OR STABILIZED CHANNELS WHERE POSSIBLE. SHEET RUNOFF FROM THE SITE WILL BE FILTERED THROUGH SILT FENCES, MULCH BERMS, HAY BALE BARRIERS, OR SILT SOCKS. ALL STORM DRAIN BASIN INLETS SHALL BE PROVIDED WITH FLARED END SECTIONS AND TRASH RACKS. THE SITE SHALL BE STABILIZED FOR THE WINTER BY OCTOBER 15.

DUST CONTROL

- THE CONTRACTOR SHALL BE RESPONSIBLE TO CONTROL DUST THROUGHOUT THE CONSTRUCTION PERIOD.
- DUST CONTROL METHODS SHALL INCLUDE, BUT BE NOT LIMITED TO SPRINKLING WATER ON EXPOSED
- b. ALL REGULATED MATERIALS STORED ON SITE IN THEIR PROPER (ORIGINAL IF POSSIBLE) CON OTHER ENCLOSURE, ON AN IMPERVIOUS SURFA c. MANUFACTURER'S RECOMMENDATIONS FOR PRO

- d. THE SITE SUPERINTENDENT SHALL INSPECT DA MATERIALS;
- e. SUBSTANCES SHALL NOT BE MIXED WITH ONE MANUFACTURER;
- f. WHENEVER POSSIBLE ALL OF A PRODUCT SHAL CONTAINER.
- g. THE TRAINING OF ON-SITE EMPLOYEES AND THE ON-SITE POSTING OF RELEASE RESPONSE INFORMATION DESCRIBING WHAT TO DO IN THE EVENT OF A SPILL OF REGULATED SUBSTANCES.

3.	AREAS, COVERING LOADED DUMP TRUCKS LEAVING THE SITE, AND TEMPORARY MULCHING. DUST CONTROL MEASURES SHALL BE UTILIZED SO AS TO PREVENT THE MIGRATION OF DUST FROM THE SITE TO ABUTTING AREAS INCLUDING BUT NOT LIMITED TO BORTHWICK AVENUE AND ELLEN DONDERO FOLEY AVENUE.	В.	H. A a	AZARDOUS PRODUCTS - THE FOLLOWING PRACTICES SHALL BE USED TO REDUCE THE RISKS SSOCIATED WITH HAZARDOUS MATERIALS: . PRODUCTS SHALL BE KEPT IN THEIR ORIGINAL CONTAINERS UNLESS THEY ARE NOT RESEALABLE:	c. PREVENTION TO PREVENT d. MUCK PILES SHALL BE MA
<u>ST</u>			b,	ORIGINAL LABELS AND MATERIAL SAFETY DATA SHALL BE RETAINED FOR IMPORTANT PRODUCT INFORMATION;	IMPLEMENTIN i. REMOVE THE
1. 2.	ALL STOCKPILES A MINIMUM OF 50 FEET AWAY FROM CATCH BASINS, SWALES, AND CULVERTS. ALL STOCKPILES SHOULD BE SURROUNDED WITH TEMPORARY EROSION CONTROL MEASURES PRIOR TO THE ONSET OF PRECIPITATION.	C.	с. . Р	MANUFACTURER'S RECOMMENDED METHODS OF DISPOSAL. RODUCT SPECIFIC PRACTICES - THE FOLLOWING PRODUCT SPECIFIC PRACTICES SHALL BE	II. MANAGE THE CONTAMINAT C. SPILL PREVENTIC
3.	PERIMETER BARRIERS SHOULD BE MAINTAINED AT ALL TIMES, AND ADJUSTED AS NEEDED TO ACCOMMODATE THE DELIVERY AND REMOVAL OF MATERIALS FROM THE STOCKPILE. THE INTEGRITY OF		F(a	OLLOWED ON SITE: . PETROLEUM PRODUCTS:	RELEASE OF FUEL OPERATIONS. TH
4.	THE BARRIER SHOULD BE INSPECTED AT THE END OF EACH WORKING DAY. PROTECT ALL STOCKPILES FROM STORMWATER RUN-OFF USING TEMPORARY EROSION CONTROL MEASURES SUCH AS BERMS, SULT SOCK, OR OTHER APPROVED PRACTICE TO PREVENT MIGRATION OF		i. 11	ALL ON SITE VEHICLES SHALL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTIVE MAINTENANCE TO REDUCE LEAKAGE; PETROLEUM PRODUCTS SHALL BE STORED IN TIGHTLY SEALED CONTAINERS WHICH ARE	GROUNDWATER I PRACTICES LISTE
	MATERIAL BEYOND THE IMMEDIATE CONFINES OF THE STOCKPILES.			CLEARLY LABELED. ANY ASPHALT BASED SUBSTANCES USED ON SITE SHALL BE APPLIED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.	
<u>OF</u> 1.	FF SITE VEHICLE TRACKING: THE CONTRACTOR SHALL CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE(S) PRIOR TO ANY EXCAVATION ACTIVITIES		iii iv v	 SECURE FUEL STORAGE AREAS AGAINST UNAUTHORIZED ENTRY; INSPECT FUEL STORAGE AREAS WEEKLY; WHEREVER POSSIBLE, KEEP REGULATED CONTAINERS THAT ARE STORED OUTSIDE MORE THAN 	
VE	EGETATION:		•.	50 FEET FROM SURFACE WATER AND STORM DRAINS, 75 FEET FROM PRIVATE WELLS, AND 400 FEET FROM PUBLIC WELLS;	
1.	TEMPORARY GRASS COVER: A. SEEDBED PREPARATION:		vi v	 COVER REGULATED CONTAINERS IN OUTSIDE STORAGE AREAS; SECONDARY CONTAINMENT IS REQUIRED FOR CONTAINERS CONTAINING REGULATED SUBSTANCES STORED OUTSIDE, EXCEPT FOR ON PREMISE USE HEATING FUEL TANKS, OR 	
	(EQUIVALENT TO 50 PERCENT CALCIUM PLUS MAGNESIUM OXIDE) AT A RATE OF THREE (3) TONS PER ACRE;		v	ABOVEGROUND OR UNDERGROUND STORAGE TANKS OTHERWISE REGULATED. iii. THE FUEL HANDLING REQUIREMENTS SHALL INCLUDE:	
	 B. SEEDING: a. UTILIZE ANNUAL RYE GRASS AT A RATE OF 40 LBS/ACRE; b. WHERE THE SOLUTION OPERATIONS LOOSEN SOLUTO A 			 (1) EXCEPT WHEN IN USE, KEEP CONTAINERS CONTAINING REGULATED SUBSTANCES CLOSED AND SEALED; (2) PLACE DRIP DANS UNDER SPICOTS, VALVES, AND PLUMPS; 	
	 DEPTH OF TWO (2) INCHES BEFORE APPLYING FERTILIZER, LIME AND SEED; C. APPLY SEED UNIFORMLY BY HAND, CYCLONE SEEDER, OR HYDROSEEDER (SLURRY INCLUDING 			 (2) PLACE DRIP PARS UNDER SPIGOTS, VALVES, AND POMPS, (3) HAVE SPILL CONTROL AND CONTAINMENT EQUIPMENT READILY AVAILABLE IN ALL WORK AREAS; 	
	SEED AND FERTILIZER). HYDROSEEDINGS, WHICH INCLUDE MULCH, MAY BE LEFT ON SOIL SURFACE. SEEDING RATES MUST BE INCREASED 10% WHEN HYDROSEEDING;			 (4) USE FUNNELS AND DRIP PANS WHEN TRANSFERRING REGULATED SUBSTANCES; (5) PERFORM TRANSFERS OF REGULATED SUBSTANCES OVER AN IMPERVIOUS SURFACE. 	
	a. TEMPORARY SEEDING SHALL BE PERIODICALLY INSPECTED. AT A MINIMUM, 95% OF THE SOIL SURFACE SHOULD BE COVERED BY VEGETATION. IF ANY EVIDENCE OF EROSION OR		IX	RELATED EQUIPMENT SHALL COMPLY WITH THE REGULATIONS OF THE NEW HAMPSHIRE DEPARTMENT OF ENVIRONMENTAL SERVICES THESE REQUIREMENTS ARE SUMMARIZED IN	
2	SEDIMENTATION IS APPARENT, REPAIRS SHALL BE MADE AND OTHER TEMPORARY MEASURES USED IN THE INTERIM (MULCH, FILTER BARRIERS, CHECK DAMS, ETC.).			WD-DWGB-22-6 BEST MANAGEMENT PRACTICES FOR FUELING AND MAINTENANCE OF EXCAVATION AND EARTHMOVING EQUIPMENT, OR ITS SUCCESSOR DOCUMENT.	······
Ζ.	 A. LIMESTONE SHALL BE THOROUGHLY INCORPORATED INTO THE LOAM LAYER AT A RATE OF THREE (3) TONS PER ACRE IN ORDER TO PROVIDE A PH VALUE OF 5.5 TO 6.5; 		b. i.	FERTILIZERS : FERTILIZERS USED SHALL BE APPLIED ONLY IN THE MINIMUM AMOUNTS DIRECTED BY THE	
	B. FERTILIZER SHALL BE SPREAD ON THE TOP LAYER OF LOAM AND WORKED INTO THE SURFACE. FERTILIZER APPLICATION RATE SHALL BE 800 POUNDS PER ACRE OF 10-20-20 FERTILIZER;		ii,	SPECIFICATIONS; . ONCE APPLIED FERTILIZER SHALL BE WORKED INTO THE SOIL TO LIMIT EXPOSURE TO STORMWATER:	EXISTING FU
	BE THOROUGHLY WORKED INTO THE LOAM. LOAM SHALL BE RAKED UNTIL THE SURFACE IS FINELY PULVERIZED, SMOOTH AND EVEN, AND THEN COMPACTED TO AN EVEN SURFACE CONFORMING TO		iii	i. STORAGE SHALL BE IN A COVERED SHED OR ENCLOSED TRAILERS. THE CONTENTS OF ANY PARTIALLY USED BAGS OF FERTILIZER SHALL BE TRANSFERRED TO A SEALABLE PLASTIC BIN TO	
	THE REQUIRED LINES AND GRADES WITH APPROVED ROLLERS WEIGHING BETWEEN 4-1/2 POUNDS AND 5-1/2 POUNDS PER INCH OF WIDTH;		с, і.	AVOID SPILLS. . PAINTS: ALL CONTAINERS SHALL BE TIGHTLY SEALED AND STORED WHEN NOT REOUIRED FOR USE;	PLA
	PREFERABLY BY MACHINE, BUT IF BY HAND, ONLY BY EXPERIENCED WORKMEN. IMMEDIATELY BEFORE SEEDING, THE SOIL SHALL BE LIGHTLY RAKED. ONE HALF THE SEED SHALL BE SOWN IN		іі. ііі	EXCESS PAINT SHALL NOT BE DISCHARGED TO THE STORM SEWER SYSTEM; EXCESS PAINT SHALL BE DISPOSED OF PROPERLY ACCORDING TO MANUFACTURER'S	
	ONE DIRECTION AND THE OTHER HALF AT RIGHT ANGLES TO THE ORIGINAL DIRECTION. IT SHALL BE LIGHTLY RAKED INTO THE SOIL TO A DEPTH NOT OVER 1/4 INCH AND ROLLED WITH A HAND ROLLED WEIGHING NOT OVER 100 POUNDS PER LINEAR FOOT OF WIDTH:	D.	S	PILL CONTROL PRACTICES - IN ADDITION TO GOOD HOUSEKEEPING AND MATERIAL MANAGEMENT RACTICES DISCUSSED IN THE PREVIOUS SECTION, THE FOLLOWING PRACTICES SHALL BE	3" CRUSHED
	 E. HAY MULCH SHALL BE APPLIED IMMEDIATELY AFTER SEEDING AS INDICATED ABOVE; F. THE SURFACE SHALL BE WATERED AND KEPT MOIST WITH A FINE SPRAY AS REQUIRED, WITHOUT 		F(a	OLLOWED FOR SPILL PREVENTION AND CLEANUP: MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP SHALL BE CLEARLY POSTED	EXISTING GROUND
	WASHING AWAY THE SOIL, UNTIL THE GRASS IS WELL ESTABLISHED. ANY AREAS WHICH ARE NOT SATISFACTORILY COVERED WITH GRASS SHALL BE RESEEDED, AND ALL NOXIOUS WEEDS REMOVED; G THE CONTRACTOR SHALL PROTECT AND MAINTAIN THE SEEDED AREAS UNTIL ACCEPTED.		b	INFORMATION AND CLEANUP SUPPLIES; . MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEANUP SHALL BE KEPT IN THE MATERIAL	S
	H. A GRASS SEED MIXTURE CONTAINING THE FOLLOWING SEED REQUIREMENTS SHALL BE APPLIED AT THE INDICATED RATE:			STORAGE AREA ON SITE. EQUIPMENT AND MATERIALS SHALL INCLUDE BUT NOT BE LIMITED TO BROOMS, DUSTPANS, MOPS, RAGS, GLOVES, GOGGLES, KITTY LITTER, SAND, SAWDUST AND PLASTIC OP METAL TRASH CONTAINERS SPECIFICALLY FOR THIS PURPOSE:	F
	SEED MIX APPLICATION RATE CREEPING RED FESCUE 20 LBS/ACRE TALL FESCUE 20 LBS/ACRE		c. d	 ALL SPILLS SHALL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY; THE SPILL AREA SHALL BE KEPT WELL VENTILATED AND PERSONNEL SHALL WEAR APPROPRIATE 	
	REDTOP 2 LBS/ACRE IN NO CASE SHALL THE WEED CONTENT EXCEED ONE (1) PERCENT BY WEIGHT. ALL SEED SHALL		e	PROTECTIVE CLOTHING TO PREVENT INJURY FROM CONTACT WITH A HAZARDOUS SUBSTANCE; SPILLS OF TOXIC OR HAZARDOUS MATERIAL SHALL BE REPORTED TO THE APPROPRIATE LOCAL, STATE OR FEDERAL AGENCIES AS REQUIRED:	,−COIF
3.	SEPTEMBER 15. IN NO CASE SHALL SEED LAWS. SEEDING SHALL BE DONE NO LATER THAN DORMANT SEEDING (SEPTEMBER 15 TO FIRST SNOWFALL):		f.	THE SITE SUPERINTENDENT RESPONSIBLE FOR DAY-TO-DAY SITE OPERATIONS SHALL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR.	
	A. FOLLOW PERMANENT MEASURES SLOPE, LIME, FERTILIZER AND GRADING REQUIREMENTS. APPLY SEED MIXTURE AT TWICE THE INDICATED RATE. APPLY MULCH AS INDICATED FOR PERMANENT MEASURES	E.	V a	 'EHICLE FUELING AND MAINTENANCE PRACTICE: CONTRACTOR SHALL MAKE AN EFFORT TO PERFORM EQUIPMENT/VEHICLE FUELING AND MAINTENANCE AT AN OFF-SITE FACILITY: 	
<u>cc</u>	ONCRETE WASHOUT AREA:		b.	. CONTRACTOR SHALL PROVIDE AN ON-SITE FUELING AND MAINTENANCE AREA THAT IS CLEAN AND DRY;	
1.	THE FOLLOWING ARE THE ONLY NON-STORMWATER DISCHARGES ALLOWED. ALL OTHER NON-STORMWATER DISCHARGES ARE PROHIBITED ON SITE: A. THE CONCRETE DELIVERY TRUCKS SHALL, WHENEVER POSSIBLE, USE WASHOUT FACILITIES AT		d e	 CONTRACTOR SHALL KEEP A SPILL KIT AT THE FUELING AND MAINTENANCE AREA; CONTRACTOR SHALL REGULARLY INSPECT VEHICLES FOR LEAKS AND DAMAGE; 	
	THEIR OWN PLANT OR DISPATCH FACILITY; B. IF IT IS NECESSARY, SITE CONTRACTOR SHALL DESIGNATE SPECIFIC WASHOUT AREAS AND DESIGN		f.	CONTRACTOR SHALL USE DRIP PANS, DRIP CLOTHS, OR ABSORBENT PADS WHEN REPLACING SPENT FLUID.	
	 C. CONTRACTOR SHALL LOCATE WASHOUT AREAS AT LEAST 150 FEET AWAY FROM STORM DRAINS, SWALES AND SURFACE WATERS OR DELINEATED WETLANDS; 	EROSI 1. TH	ION HIS	I CONTROL OBSERVATIONS AND MAINTENANCE PRACTICES PROJECT EXCEEDS ONE (1) ACRE OF DISTURBANCE AND THUS REQUIRES A SWPPP. THE SWPPP	
	D. INSPECT WASHOUT FACILITIES DAILY TO DETECT LEAKS OR TEARS AND TO IDENTIFY WHEN MATERIALS NEED TO BE REMOVED.	SH KE 2. TH	1ALL EEP HE F	L BE PREPARED BY THE ENGINEER. THE CONTRACTOR SHALL BE FAMILIAR WITH THE SWPPP AND AN UPDATED COPY OF THE SWPPP ONSITE AT ALL TIMES. FOLLOWING REPRESENTS THE GENERAL OBSERVATION AND REPORTING PRACTICES THAT SHALL BE	
<u>AL</u> 1.	LLOWABLE NON-STORMWATER DISCHARGES: FIRE-FIGHTING ACTIVITIES;	FO A.)LLC . O	OWED AS PART OF THIS PROJECT: BSERVATIONS OF THE PROJECT FOR COMPLIANCE WITH THE SWPPP SHALL BE MADE BY THE	
2. 3. 4.	FIRE HYDRANT FLUSHING; WATERS USED TO WASH VEHICLES WHERE DETERGENTS ARE NOT USED; WATER USED TO CONTROL DUST:	В.	EI A E	NGINEER AT LEAST ONCE A WEEK OR WITHIN 24 HOURS OF A STORM 0.25 INCHES OR GREATER; N OBSERVATION REPORT SHALL BE MADE AFTER EACH OBSERVATION AND DISTRIBUTED TO THE NGINEER, THE OWNER, AND THE CONTRACTOR;	CATCH BAS
5. 6.	POTABLE WATER INCLUDING UNCONTAMINATED WATER LINE FLUSHING; ROUTINE EXTERNAL BUILDING WASH DOWN WHERE DETERGENTS ARE NOT USED;	C.	A R	REPRESENTATIVE OF THE SITE CONTRACTOR, SHALL BE RESPONSIBLE FOR MAINTENANCE AND EPAIR ACTIVITIES;	
7. 8. 9.	PAVEMENT WASH WATERS WHERE DETERGENTS ARE NOT USED; UNCONTAMINATED AIR CONDITIONING/COMPRESSOR CONDENSATION; UNCONTAMINATED GROUND WATER OR SPRING WATER;	BLAST	יינ רוח	G NOTES:	NOTES:
10 11). FOUNDATION OR FOOTING DRAINS WHICH ARE UNCONTAMINATED; UNCONTAMINATED EXCAVATION DEWATERING; LANDSCAPE INDICATION	1. CC 2. FO A.)NT)R A	RACTOR SHALL CONTACT THE NHDES PRIOR TO COMMENCING ANY BLASTING ACTIVITIES ANY PROJECT FOR WHICH BLASTING OF BEDROCK IS ANTICIPATED, THE APPLICANT SHALL SUBMIT: BLASTING PLAN THAT IDENTIFIES:	STORM WAT BLOCKSOM
12 W	ASTE DISPOSAL:		a. b	 WHERE THE BLASTING ACTIVITIES ARE ANTICIPATED TO OCCUR; THE ESTIMATED QUANTITY OF BLAST ROCK IN CUBIC YARDS; AND 	EQUAL. 2. INSTALL AN
1.	WASTE MATERIAL: A. ALL WASTE MATERIALS SHALL BE COLLECTED AND STORED IN SECURELY LIDDED RECEPTACLES. ALL	3. IF PU	.C MO JBL1	. SITE-SPECIFIC BLASTING BEST MANAGEMENT PRACTICES. RE THAN 5000 CUBIC YARDS OF BLAST ROCK WILL BE GENERATED AND THERE ARE ONE OR MORE IC DRINKING WATER WELLS WITHIN 2000 FEET OF THE BLASTING ACTIVITIES, A PLAN TO MONITOR	PROTECTION MANUFACTU
	 B. NO CONSTRUCTION WASTE MATERIALS SHALL BE BURIED ON SITE; C. ALL PERSONNEL SHALL BE INSTRUCTED REGARDING THE CORRECT PROCEDURE FOR WASTE 	GF WI	ROU ELL	NOWATER TO DETECT ANY CONTAMINATION IN SUFFICIENT TIME TO PROTECT THE WATER SUPPLY S SHALL BE PROVIDED TO THE NHDES. THE GROUNDWATER MONITORING PLAN SHALL INCLUDE:	INLET P
2.	DISPOSAL BY THE SUPERINTENDENT. HAZARDOUS WASTE: A. ALL HAZARDOUS WASTE MATERIALS SHALL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL	А.	M O a	THER WELLS THAT ARE REPRESENTATIVE OF THE DRINKING WATER SUPPLY WELLS OR IN THER WELLS THAT ARE REPRESENTATIVE OF THE DRINKING WATER SUPPLY WELLS IN THE AREA: . THE GROUNDWATER SAMPLING PROGRAM MUST BE IMPLEMENTED ONCE APPROVED BY THE	
	OR STATE REGULATION OR BY THE MANUFACTURER; B. SITE PERSONNEL SHALL BE INSTRUCTED IN THESE PRACTICES BY THE SUPERINTENDENT.	В.	Т	NHDES. THE FOLLOWING BEST MANAGEMENT PROCEDURES FOR BLASTING SHALL BE COMPLIED WITH:	
3.	SANITARY WASTE: A. ALL SANITARY WASTE SHALL BE COLLECTED FROM THE PORTABLE UNITS A MINIMUM OF ONCE PER WEEK BY A LICENSED SANITARY WASTE MANAGEMENT CONTRACTOR.		a. i.	ENVIRONMENTAL EFFECTS SHALL BE FOLLOWED: DRILLING LOGS SHALL BE MAINTAINED BY THE DRILLER AND COMMUNICATED DIRECTLY TO THE	
<u>SF</u>	PILL PREVENTION:		ii	BLASTER. THE LOGS SHALL INDICATE DEPTHS AND LENGTHS OF VOIDS, CAVITIES, AND FAULT ZONES OR OTHER WEAK ZONES ENCOUNTERED AS WELL AS GROUNDWATER CONDITIONS; . EXPLOSIVE PRODUCTS SHALL BE MANAGED ON-SITE SO THAT THEY ARE FITHER USED IN THE	EXCAVATION REQUIRED FOR STORAGE
1.	FEDERAL AGENCIES. AT A MINIMUM, CONTRACTOR SHALL FOLLOW THE BEST MANAGEMENT SPILL PREVENTION PRACTICES OUTLINED BELOW.			BOREHOLE, RETURNED TO THE DELIVERY VEHICLE, OR PLACED IN SECURE CONTAINERS FOR OFF-SITE DISPOSAL;	3:1 MAX. SLOPE
2.	THE FOLLOWING ARE THE MATERIAL MANAGEMENT PRACTICES THAT SHALL BE USED TO REDUCE THE RISK OF SPILLS OR OTHER ACCIDENTAL EXPOSURE OF MATERIALS AND SUBSTANCES DURING CONSTRUCTION TO STORMWATER RUNOFF:		iii	 SPILLAGE AROUND THE BOREHOLE SHALL EITHER BE PLACED IN THE BOREHOLE OR CLEANED UP AND RETURNED TO AN APPROPRIATE VEHICLE FOR HANDLING OR PLACEMENT IN SECURED CONTAINERS FOR OFF-SITE DISPOSAL; 	BE STABILIZED
	A. GOOD HOUSEKEEPING - THE FOLLOWING GOOD HOUSEKEEPING PRACTICE SHALL BE FOLLOWED ON SITE DURING CONSTRUCTION:		iv	V. LOADED EXPLOSIVES SHALL BE DETONATED AS SOON AS POSSIBLE AND SHALL NOT BE LEFT IN THE BLASTHOLES OVERNIGHT, UNLESS WEATHER OR OTHER SAFETY CONCERNS REASONABLY DICTATE THAT DETONATION SHOLL D BE POSTPONED.	
	 a. ONLY SUFFICIENT AMOUNTS OF PRODUCTS TO DO THE JOB SHALL BE STORED ON SITE; b. ALL REGULATED MATERIALS STORED ON SITE SHALL BE STORED IN A NEAT, ORDERLY MANNER IN THEIR PROPER (ORIGINAL IF POSSIBLE) CONTAINERS AND, IF POSSIBLE, UNDER A ROOF OR 		v	. LOADING EQUIPMENT SHALL BE CLEANED IN AN AREA WHERE WASTEWATER CAN BE PROPERLY CONTAINED AND HANDLED IN A MANNER THAT PREVENTS RELEASE OF CONTAMINANTS TO THE	SE
	OTHER ENCLOSURE, ON AN IMPERVIOUS SURFACE; c. MANUFACTURER'S RECOMMENDATIONS FOR PROPER USE AND DISPOSAL SHALL BE FOLLOWED; d. THE SITE SUPERINTENDENT SHALL INSPECT DATES TO ENSURE PROPER USE AND DISPOSAL OF		v	ENVIRONMENT; i. EXPLOSIVES SHALL BE LOADED TO MAINTAIN GOOD CONTINUITY IN THE COLUMN LOAD TO PROMOTE COMPLETE DETONATION. INDUSTRY ACCEPTED LOADING PRACTICES FOR PRIMING	1. THE TRAP SHALL B 2. THE MAXIMUM COI
	e. SUBSTANCES SHALL NOT BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED BY THE		b	STEMMING, DECKING AND COLUMN RISE NEED TO BE ATTENDED TO. EXPLOSIVE SELECTION - THE FOLLOWING BMPS SHALL BE FOLLOWED TO REDUCE THE POTENTIAL FOR COOLINEWATER CONTAMINATION WILL FUEL CONTRACTOR TO THE	3. THE MINIMUM VOL 4. TRAP OUTLET SHA 5. TRAP SHALL DISCH
	MANUFACTURER; f. WHENEVER POSSIBLE ALL OF A PRODUCT SHALL BE USED UP BEFORE DISPOSING OF THE		i.	POTENTIAL FOR GROUNDWATER CONTAMINATION WHEN EXPLOSIVES ARE USED: EXPLOSIVE PRODUCTS SHALL BE SELECTED THAT ARE APPROPRIATE FOR SITE CONDITIONS AND	6. TRAP SHALL BE CL 7. MATERIALS REMOV

SAFE BLAST EXECUTION; ii. EXPLOSIVE PRODUCTS SHALL BE SELECTED THAT HAVE THE APPROPRIATE WATER RESISTANCE FOR THE SITE CONDITIONS PRESENT TO MINIMIZE THE POTENTIAL FOR HAZARDOUS EFFECT OF THE PRODUCT UPON GROUNDWATER









Date: July 20, 2022 1:06 PM By: ASELLAR





Inspection /	Frequency	Action
Maintenance	Frequency	Action
Monitor inlet and outlet structures for sediment accumulation	Two (2) times annually	 Trash, debris and sediment to be removed Any required maintenance shall be addressed
Deep Sump Catchbasins	Two (2) times annually	 Removal of sediment as warranted by inspection No less than once annually
Monitor detention system for sediment accumulation	Two (2) times annually	 Trash, debris and sediment to be removed Any required maintenance shall be addressed

Inspection & Maintenance Requirements			
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- ENGINEER FOR REVIEW AND APPROVAL.
- INSTALLATION.
- DESIGN PLAN.
- CONSTRUCTION)

BACKFILL MATERIAL SHOULD BE REMOVED FROM BELOW THE N-12 STUB SO THAT THE FITTING SITS LEVEL. NOTE: ALL DIMENSIONS ARE NOMINAL

NO SCALE

-7'-8"---

STEEL REINFORCEMENT - ASTM A615, GRADE 60
 PAD MEETS OR EXCEEDS EVERSOURCE SPECIFICATIONS

AD MEETS OR EACLEDS EVERSOURCE SPECIFICATIONS

3-PHASE TRANSFORMER PAD

NO SCALE

	Tighe&Bond
ETCH	
	DITIOF NEW HAND
	BRADLEE BRADLEE
	No. 08830
	ELON CENSE
	2, 22
	15 m Tra
	PATRICK
	No. 12378
	100 AL ENG
	···///////////////////////////////////
	Proposed
	Satellite
	Parking Lot
	Dortomouth Docional
	Portsmouth Regional
	Hospital
	444 Borthwick Avenue
	Portsmouth,
	New Hampshire
	F 07/21/2022 REV PER AOT & PEER REVIEW
	E 06/29/2022 PB SUBMISSION
	D 05/23/2022 AOT SUBMISSION C 05/12/2022 TAC RESUBMISSION 2
	B 04/21/2022 TAC RESUBMISSION
	A 03/22/2022 TAC SUBMISSION
	MARK DATE DESCRIPTION
	PROJECT NO: P0616-001 DATE: 3/22/22
	FILE: P0616-005_C-DETAILS.DWG
	DRAWN BY: AFS CHECKED: PMC
	APPROVED: BI M

DETAILS SHEET

C-510

SCALE: AS SHOWN