COMMONWEALTH OF VIRGINIA
MARINE RESOURCES COMMISSION
PERMIT

The Commonwealth of Virginia, Marine Resources Commission, hereinafter referred to as the Commission, on this 26th day of May 2020 hereby grants unto:

Alexandria Renew Enterprises
1800 Limerick Street
Alexandria, VA 22314

hereinafter referred to as the Permittee, permission to:

X Encroach in, on, or over State-owned subaqueous bottoms pursuant to Chapter 12, Subtitle III, of Title 28.2 of the Code of Virginia.

Use or develop tidal wetlands pursuant to Chapter 13, Subtitle III, of Title 28.2 of the Code of Virginia.

Permittee is hereby authorized to install, by the open cut method, a 6-foot diameter interceptor sewer line, a minimum 1.8 feet beneath a 40-foot wide section of Hooffs Run and approximately 320 square feet of rip rap outfall protection, and to temporarily impact approximately 1,700 linear feet of Hooffs Run for construction access, south of Jamieson Avenue as part of the River Renew Tunnel System Project in the City of Alexandria. All activities authorized herein shall be accomplished in conformance with the plans and drawings dated received January 6, 2020, which are attached and made a part of this permit.

This permit is granted subject to the following conditions:

(1) The work authorized by this permit is to be completed by May 31st, 2023. The Permittee shall notify the Commission when the project is completed. The completion date may be extended by the Commission in its discretion. Any such application for extension of time shall be in writing prior to the above completion date and shall specify the reason for such extension and the expected date of completion of construction. All other conditions remain in effect until revoked by the Commission or the General Assembly.

(2) This permit grants no authority to the Permittee to encroach upon the property rights, including riparian rights, of others.

(3) The duly authorized agents of the Commission shall have the right to enter upon the premises at reasonable times, for the purpose of inspecting the work being done pursuant to this permit.

(4) The Permittee shall comply with the water quality standards as established by the Department of Environmental Quality, Water Division, and all other applicable laws, ordinances, rules and regulations affecting the conduct of the project. The granting of this permit shall not relieve the Permittee of the responsibility of obtaining any and all other permits or authority for the projects.

(5) This permit shall not be transferred without written consent of the Commissioner.

(6) This permit shall not affect or interfere with the right vouchsafed to the people of Virginia concerning fishing, fowling and the catching of and taking of oysters and other shellfish in and from the bottom of acres and waters not included within the terms of this permit.

(7) The Permittee shall, to the greatest extent practicable, minimize the adverse effects of the project upon adjacent properties and wetlands and upon the natural resources of the Commonwealth.

(8) This permit may be revoked at any time by the Commission upon the failure of the Permittee to comply with any of the terms and conditions hereof or at the will of the General Assembly of Virginia.

(9) There is expressly excluded from the permit any portion of the waters within the boundaries of the Baylor Survey.

(10) This permit is subject to any lease of oyster planting ground in effect on the date of this permit. Nothing in this permit shall be construed as allowing the Permittee to encroach on any lease without the consent of the leaseholder. The Permittee shall be liable for any damages to such lease.

(11) The issuance of this permit does not confer upon the Permittee any interest or title to the beds of the waters.

(12) All structures authorized by this permit, which are not maintained in good repair, shall be completely removed from State-owned bottom within three (3) months after notification by the Commission.

(13) The Permittee agrees to comply with all of the terms and conditions as set forth in this permit and that the project will be accomplished within the boundaries as outlined in the plans attached hereto. Any encroachment beyond the limits of this permit shall constitute a Class 1 misdemeanor.

(14) This permit authorizes no claim to archaeological artifacts that may be encountered during the course of construction. If, however, archaeological remains are encountered, the Permittee agrees to notify the Commission, who will, in turn notify the Department of Historic Resources. The Permittee further agrees to cooperate with agencies of the Commonwealth in the recovery of archaeological remains if deemed necessary.

(15) The Permittee agrees to indemnify and save harmless the Commonwealth of Virginia from any liability arising from the establishment, operation or maintenance of said project.
The following special conditions are imposed on this permit:

(16) The placard accompanying this permit document must be conspicuously displayed at the work site.

(17) Permittee agrees to notify the Commission upon the start of the activities authorized by this permit.

(18) The instream construction activities shall be accomplished during low flow periods and within cofferdams constructed of non-erodible materials in such a manner that no more than half the width of the waterway is obstructed at any point in time, or using the dam and pump around technique to maintain flows during pipe installation.

(19) All area of State-owned bottom and adjacent lands disturbed by this activity shall be restored to their original contours and natural conditions within thirty (30) days from the date of completion of the authorized work. All excess materials shall be removed to an upland site and contained in such a manner to prevent its reentry into State waters.

This permit consists of 15 Pages

**PERMITTEE(S)**

![X] BY CHECKING THIS BOX, I certify that I am the Permittee OR the certified agent acting on behalf of all Permittees, that I have read and understood the permit as drafted and accept all of the terms and conditions herein. I agree and understand that checking the box has the same legal authority as a written signature. The provisions of the permit authorization shall be binding on any assignee or successor in interest of the original Permittee(s). In cases where the Permittee is a corporation, agency or political jurisdiction, I certify I have proper authorization to bind the organization to the financial and performance obligations which result from activity authorized by this permit.

**PERMITTEE OR CERTIFIED AGENT**

Doug Chapin - RiverRenew Third Party Manager

Print Your Name Here

**DATE TERMS ACCEPTED**

June 01, 2020

**PERMITEE**

Alexandria Renew Enterprises

1800 Limerick Street

Alexandria, VA 22314

**AGENT**

Dewberry Engineers Inc.

Kimberly Larkin

8401 Arlington Boulevard

Fairfax, VA 220314666

**COMMISSION**

This permit is executed on behalf of the Commonwealth of Virginia, Marine Resources Commission by the undersigned:

![Signature]

Tony Watkinson

Chief, Habitat Management Division

DATE SIGNED

2nd day of June 2020
PERMIT SET - NOT FOR CONSTRUCTION

Note: Hooffs Run is an upper reaches tidal stream, where mean low water is not contiguous.

MHW/MLW Impact*

Totals (sq ft):

Impact 1 - MHW: 1,735
Impact 2 - MHW: 207
Impact 3 - MHW: 16
Impact 4 - MHW: 2,511
Impact 5 - MHW: 2,429
Impact 6 - MHW: 50
Impact 7 - MHW: 0
Impact 8 - MHW: 2,243
Impact 9 - MHW: 50
Impact 10 - MHW: 42

MLW: 0

"MHW Impact: Area impacted between Mean High Water and Mean Low Water. MLW Impact: Area impacted below Mean Low Water."


2. THE FLAGGED WATERS OF THE U.S. BOUNDARIES WERE FIELD LOCATED BY DEWBERRY USING CONVENTIONAL SURVEY METHODS.
ADDITIONAL INFORMATION/REVISIONS Received by VMRC on January 6, 2020 /blh

Note: Hooffs Run is an upper reaches tidal stream, where mean low water is not contiguous.

**MHW/MLW Impact**

**Totals (sq ft):**

- Impact 1 - MHW: 735  MLW: 2,642
- Impact 2 - MHW: 207  MLW: 1,067
- Impact 3 - MHW: 16  MLW: 0
- Impact 4 - MHW: 2,511  MLW: 0
- Impact 5 - MHW: 2,429  MLW: 2,381
- Impact 6 - MHW: 0  MLW: 0
- Impact 7 - MHW: 0  MLW: 0
- Impact 8 - MHW: 5,905  MLW: 2,879
- Impact 9 - MHW: 50  MLW: 0
- Impact 10 - MHW: 43  MLW: 0

Impact 10 - MHW: 43  MLW: 0

1. Property boundary, topographic, and planimetric information provided by Dewberry, the waters of the U.S. boundaries, including wetlands were delineated by Dewberry on April 26th, 2018, based on the requirements of the U.S. Army Corps of Engineers (USACE) Wetlands Delineation Manual (1997) and the 2012 Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Atlantic Gulf Coastal Plain Region Version 2.0.

2. The flagged waters of the U.S. boundaries were field located by Dewberry using conventional survey methods.

3. See Plan Sheet 3 for continuation of Impact No. 5.

**Notes:**

- **Property Lines:**
- **Limits of Disturbance:**
- **Resource Protection Area:**
- **100 Year Floodplain:**
- **Tidal Stream:**
- **Intermittent Stream Channel:**
- **Ephemeral Stream Channel:**
- **Wetland:**
- **Estuarine Emergent Wetland:**
- **Palustrine Emergent Wetland:**
- **Palustrine Forested Wetland:**

**Impact No. 4**

- 1,112 SF of EEM temporary
- 2,005 SF, 38 LF of R1 temporary

**Impact No. 5**

- 18,039 SF of EEM temporary
- 4,803 SF, 301 LF of R1 temporary

**Legend:**

- PROPERTY LINES
- LIMITS OF DISTURBANCE
- RESOURCE PROTECTION AREA
- 100 YR FLOODPLAIN
- TIDAL STREAM
- INTERMITTENT STREAM CHANNEL
- EPHEMERAL STREAM CHANNEL
- WETLAND
- EEM ESTUARINE EMERGENT WETLAND
- PEM PALUSTRINE EMERGENT WETLAND
- PFO PALUSTRINE FORESTED WETLAND

**Notes:**

1. Property boundary, topographic, and planimetric information provided by Dewberry, the waters of the U.S. boundaries, including wetlands were delineated by Dewberry on April 26th, 2018, based on the requirements of the U.S. Army Corps of Engineers (USACE) Wetlands Delineation Manual (1997) and the 2012 Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Atlantic Gulf Coastal Plain Region Version 2.0.

2. The flagged waters of the U.S. boundaries were field located by Dewberry using conventional survey methods.

3. See Plan Sheet 3 for continuation of Impact No. 5.
OUTFALL 003/4 - HOOFFS RUN INTERCEPTOR WETLAND IMPACTS


2. THE FLAGGED WATERS OF THE U.S. BOUNDARIES WERE FIELD LOCATED BY DEWBERRY USING CONVENTIONAL SURVEY METHODS.

3. SEE PLAN SHEET 2 FOR CONTINUATION OF IMPACT NO. 5.

4. SEE PLAN SHEET 4 FOR CONTINUATION OF IMPACT NO. 8.

* MHW Impact: Area impacted between Mean High Water and Mean Low Water. MLW Impact: Area impacted below Mean Low Water.

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<tr>
<th>IMPACT</th>
<th>MHW</th>
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** Totals (sq ft):**

Impact 1 - MHW: 1,735  
MLW: 2,642
Impact 2 - MHW: 207  
MLW: 0
Impact 3 - MHW: 16  
MLW: 0
Impact 4 - MHW: 2,511  
MLW: 1,087
Impact 5 - MHW: 0  
MLW: 0
Impact 6 - MHW: 0  
MLW: 0
Impact 7 - MHW: 0  
MLW: 0
Impact 8 - MHW: 2,429  
MLW: 2,381
Impact 9 - MHW: 3,555  
MLW: 2,679
Impact 10 - MHW: 43  
MLW: 0

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ADDITIONAL INFORMATION/REVISIONS Received by VMRC on January 6, 2020

PALUSTRIQUE FORESTED WETLAND PEM

CHECKED BY:

ESTUARINE EMERGENT WETLAND EEM

DEWBERRY USING CONVENTIONAL SURVEY METHODS.

SCALE:

INTERMITTENT STREAM CHANNEL WL R1

PERMANENT PROPERTY LINES

TEMPORARY IMPACT

LIMITS OF DISTURBANCE

PERMANENT IMPACT

RESOURCE PROTECTION AREA

TEMPORARY ACCESS ROAD

100 YR FLOODPLAIN

WETLAND

INTERMITTENT STREAM CHANNEL

EPHEMERAL STREAM CHANNEL

EEM ESTUARINE EMERGENT WETLAND

PEM PALUSTRIQUE EMERGENT WETLAND

PFO PALUSTRIQUE FORESTED WETLAND

OUTFALL 003/4 - HOOFFS RUN INTERCEPTOR WETLAND IMPACTS

IMPACT NO. 8

12,773 SF, 779 LF OF R1 TEMPORARY

IMPACT NO. 9

139 SF, 65 OF LF R1 PERMANENT

NOTES:


2. THE FLAGGED WATERS OF THE U.S. BOUNDARIES WERE FIELD LOCATED BY DEWBERRY USING CONVENTIONAL SURVEY METHODS.

3. SEE PLAN SHEET 3 AND 5 FOR CONTINUATION OF IMPACT NO. 8.
**MHW/MLW Impact**

* Totals (sq ft):

- **Impact 1** - MHW: 1,735 (Plate 1) MLW: 2,642
- **Impact 2** - MHW: 207 (Plate 1) MLW: 195
- **Impact 3** - MHW: 16 (Plate 1) MLW: 0
- **Impact 4** - MHW: 2,511 (Plate 2) MLW: 1,067
- **Impact 5** - MHW: 2,429 (Plate 2, 3) MLW: 2,381
- **Impact 6** - MHW: 0 (Plate 3) MLW: 0
- **Impact 7** - MHW: 0 (Plate 4) MLW: 0
- **Impact 8** - MHW: 9,355 (Plate 3, 4, 5) MLW: 2,879
- **Impact 9** - MHW: 50 (Plate 4) MLW: 0
- **Impact 10** - MHW: 0 (Plate 5) MLW: 0

* MHW Impact: Area impacted between Mean High Water and Mean Low Water.

**NOTES:**


2. THE FLAGGED WATERS OF THE U.S. BOUNDARIES WERE FIELD LOCATED BY DEWBERRY USING CONVENTIONAL SURVEY METHODS.

3. SEE PLAN SHEET 4 FOR CONTINUATION OF IMPACT NO. 8.

4. THE HOOFFS RUN CHANNEL IS LINED WITH CONCRETE FROM THE OUTFALL OF THE CULVERT UNDER DUKE ST TO JAMESON AVE.