



DEPARTMENT OF THE ARMY
US ARMY CORPS OF ENGINEERS
NORFOLK DISTRICT
FORT NORFOLK
803 FRONT STREET
NORFOLK VA 23510-1011

October 23, 2020

Northern Virginia Regulatory Section
NAO-2007-02373 (Alexandria Flood Control Channel Maintenance)

City of Alexandria
and
Arlington County
c/o City of Alexandria – Dept. of Transportation & Env. Services
301 King Street, Room 4100
Alexandria, Virginia 22314

To Whom It May Concern:

This is in reference to your Department of the Army permit application number NAO-2007-02373/ (VMRC #16-V1420, 07-V0235) to perform maintenance dredging of five flood control channels. Approximately 50,000 cubic yards of accumulated material will be removed from the subject waterways to return them to their original design configuration. All work will be performed within Cameron Run, Backlick Run, Holmes Run, Four Mile Run and Hooffs Run, tributaries of the Potomac River located in the City of Alexandria and Arlington County, Virginia. These impacts are detailed on the enclosed drawings entitled "Cameron Run, Backlick Run, Holmes Run, Four Mile Run and Hooffs Run Flood Control Channel Maintenance, City of Alexandria" and dated July and August 2016.

Your proposed work as outlined above satisfies the criteria contained in the Corps Nationwide Permit (31), attached. The Corps Nationwide Permits were published in the January 6, 2017 Federal Register notice (82 FR 1860) and the regulations governing their use can be found in 33 CFR 330 published in Volume 56, Number 226 of the Federal Register dated November 22, 1991.

This nationwide permit verification is contingent upon the following project specific conditions:

1. The dredge material will be transported to and disposed of at an approved upland area and/or disposed of offsite at a local landfill.
2. No in-water work shall occur within Cameron Run and Four Mile Run, between February 15 to June 20 of any year, to protect anadromous fish species.

The permittee understands and agrees that, if future operations by the United States require the removal, relocation, or other alteration, of the structure or work herein authorized, or if, in the opinion of the Secretary of the Army or his authorized representative, said structure or work shall cause unreasonable obstruction to the free navigation of the navigable waters, the permittee will be required, upon due notice from the Corps of Engineers, to remove, relocate, or alter the structural work or obstructions caused thereby, without expense to the United States. No claim shall be made against the United States on account of any such removal or alteration.

Provided the project specific conditions (above) and the Nationwide Permit General Conditions (enclosed) are met, an individual Department of the Army Permit will not be required. In addition, the Virginia Department of Environmental Quality has provided an **unconditional** §401 Water Quality Certification for Nationwide Permit Number 31. A permit may be required from the Virginia Marine Resources Commission and/or your local wetlands board, and this verification is not valid until you obtain their approval, if necessary. This authorization does not relieve your responsibility to comply with local requirements pursuant to the Chesapeake Bay Preservation Act (CBPA), nor does it supersede local government authority and responsibilities pursuant to the Act. You should contact your local government before you begin work to find out how the CBPA applies to your project.

Enclosed is a "compliance certification" form, which must be signed and returned within 30 days of completion of the project, including any required mitigation. Your signature on this form certifies that you have completed the work in accordance with the nationwide permit terms and conditions.

This verification is valid until the NWP is modified, reissued, or revoked. All of the existing NWPs are scheduled to be modified, reissued, or revoked prior to March 18, 2022. It is incumbent upon you to remain informed of changes to the NWPs. We will issue a public notice when the NWPs are reissued. Furthermore, if you commence or are under contract to commence this activity before the date that the relevant nationwide permit is modified or revoked, you will have twelve (12) months from the date of the modification or revocation of the NWP to complete the activity under the present terms and conditions of this nationwide permit unless discretionary authority has been exercised on a case-by-case basis to modify, suspend, or revoke the authorization in accordance with 33 CFR 330.4(e) and 33 CFR 330.5 (c) or (d). Project specific conditions listed in this letter continue to remain in effect after the NWP verification expires, unless the district engineer removes those conditions. Activities completed under the authorization of an NWP which was in effect at the time the activity was completed continue to be authorized by that NWP.

In granting an authorization pursuant to this permit, the Norfolk District has relied on the information and data provided by the permittee. If, subsequent to notification by the Corps that a project qualifies for this permit, such information and data prove to be materially false or materially incomplete, the authorization may be suspended or revoked, in whole or in part, and/or the Government may institute appropriate legal proceedings.

If you have any questions and/or concerns about this permit authorization, please contact Ms. Theresita Crockett-Augustine via telephone at (757) 201-7194 or via email at theresita.m.crockett-augustine@usace.army.mil.

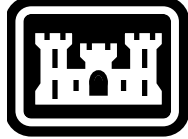
Sincerely,

Theresita Crockett-Augustine

Theresita Crockett-Augustine
Environmental Scientist
Northern Virginia Regulatory Section

Enclosures:

Drawings
Nationwide Permit
Certificate of Compliance



**U.S. Army Corps
Of Engineers**
Norfolk District

**CERTIFICATE OF COMPLIANCE
WITH
ARMY CORPS OF ENGINEERS PERMIT**

Permit Number: NAO-2007-02373 (Alexandria Flood Control Channel Maintenance)

VMRC Number: 16-V1440, 07-V0235

Corps Contact: Theresita Crockett-Augustine

Name of Permittee: City of Alexandria and Arlington County

Date of Verification: October 23, 2020

Permit Type: NWP #31

Within 30 days of completion of the activity authorized by this permit and any mitigation required by the permit, sign this certification and return it to the following address:

US Army Corps of Engineers - Norfolk District
Northern Virginia Field Office
Attn: Ms. Theresita Crockett-Augustine
18139 Triangle Plaza, Suite 213
Dumfries, Virginia 22026

Or scan and send via email to theresita.m.crockett-augustine@usace.army.mil

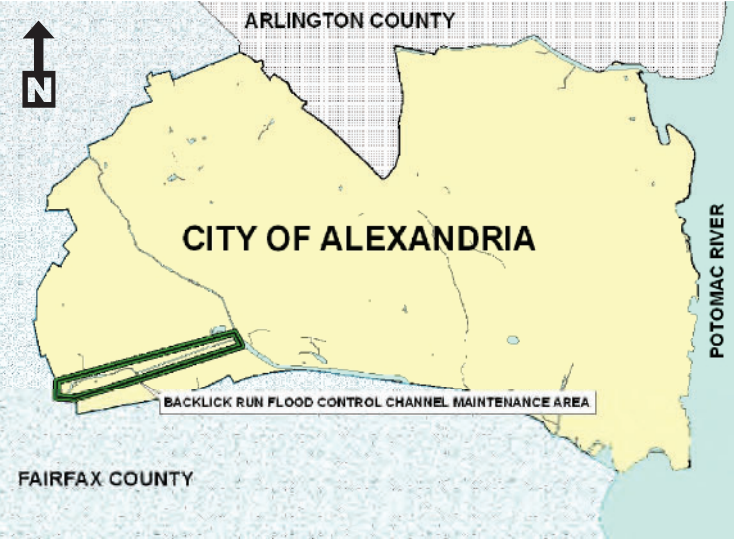
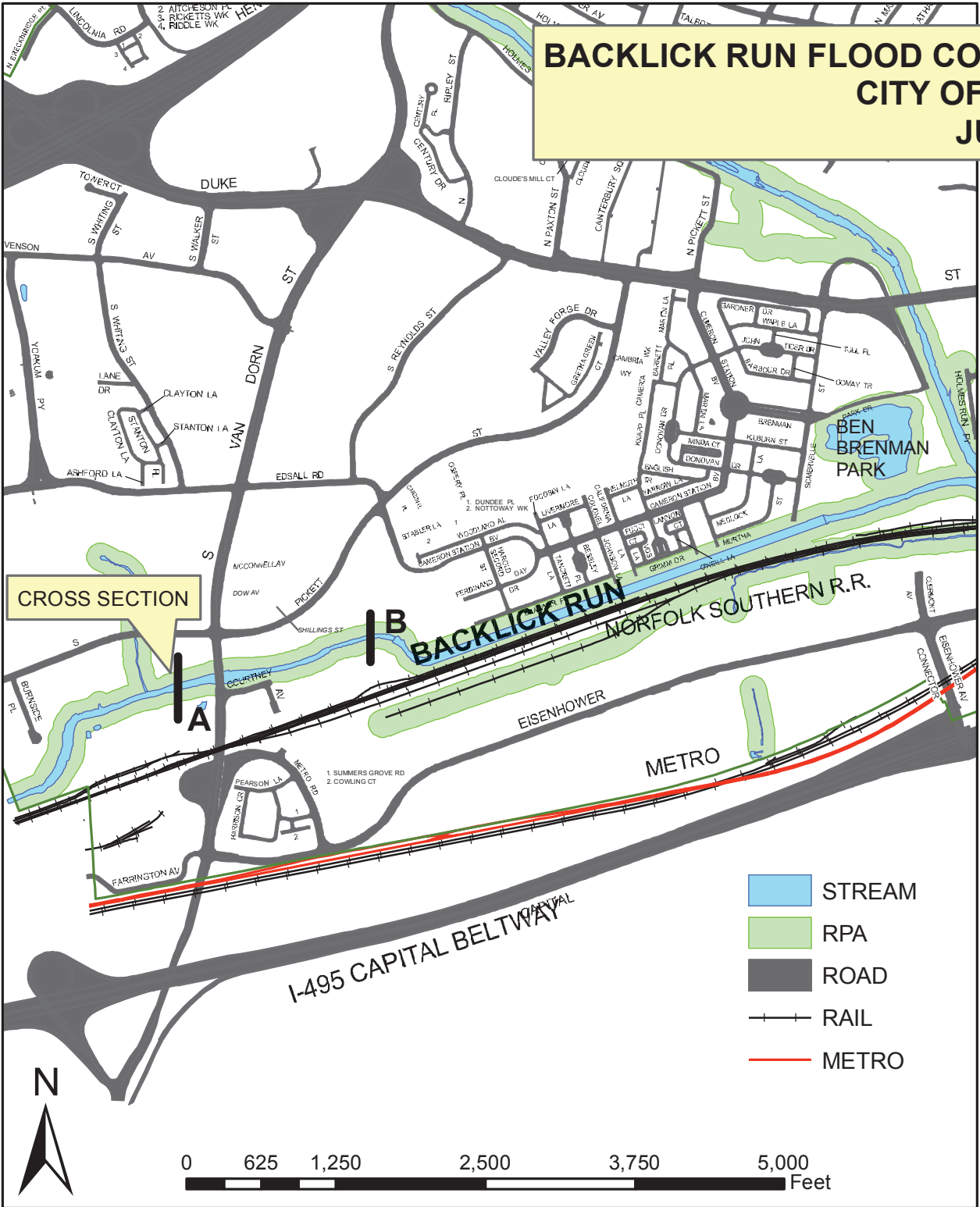
Please note that your permitted activity is subject to a compliance inspection by a U.S. Army Corps of Engineers representative. If you fail to comply with this permit you are subject to permit suspension, modification or revocation.

I hereby certify that the work authorized by the above referenced permit has been completed in accordance with the terms and conditions of the said permit, and required mitigation has been completed in accordance with the permit conditions.

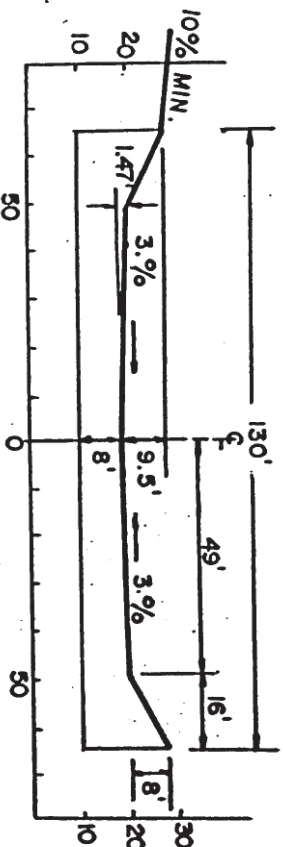
Signature of Permittee

Date

BACKLICK RUN FLOOD CONTROL CHANNEL MAINTENANCE CITY OF ALEXANDRIA JULY 2016



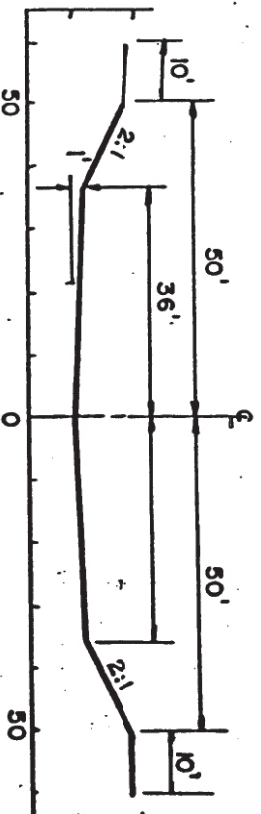
NOTES:
 MATERIAL TO BE REMOVED: SILT, SAND, AND GRAVEL
 QUANTITY: 50,000 CY (ANNUAL ESTIMATE)
 METHOD OF REMOVAL: CONSTRUCT TEMPORARY DIVERSION BERM, WORK ON SIDE AND THE OTHER WITH FRONT END LOADERS AND/OR DRAG LINE.
 DISPOSAL: SPOILS WILL BE USED AS SELECT CONSTRUCTION MATERIALS; ADDITIONAL SPOILS STORED ON CITY PROPERTY (NOT IN A FLOODPLAIN) WITH APPROPRIATE E&S CONTROLS.



WEIR DETAIL "A"

WEST OF VAN DORN ST.

SCALE : 1" = 40'



CHANNEL DETAIL "B"

EAST OF VAN DORN ST.

SCALE : 1" = 30'

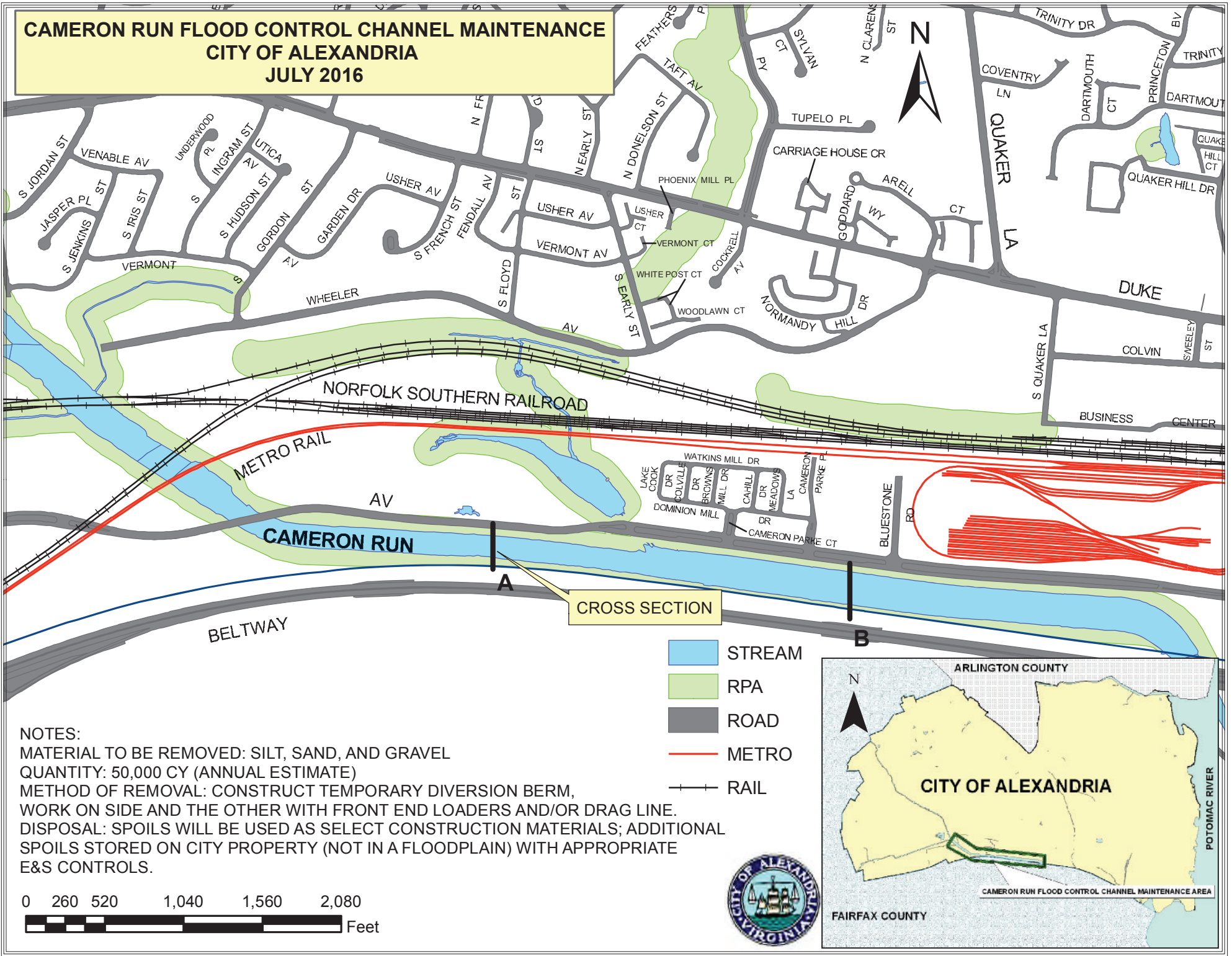
BACKLICK RUN FLOOD CONTROL CHANNEL MAINTENANCE

CROSS SECTIONS

CITY OF ALEXANDRIA

AUGUST 2016

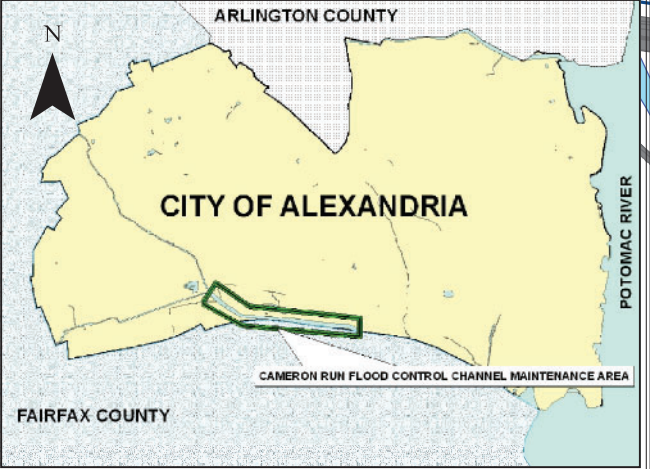
**CAMERON RUN FLOOD CONTROL CHANNEL MAINTENANCE
CITY OF ALEXANDRIA
JULY 2016**

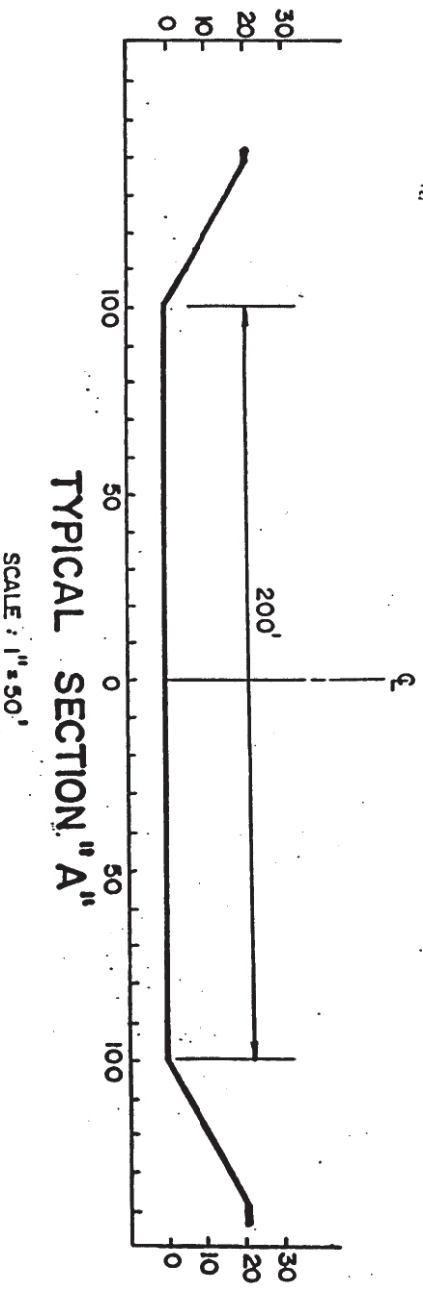


CROSS SECTION

- STREAM
- RPA
- ROAD
- METRO
- RAIL

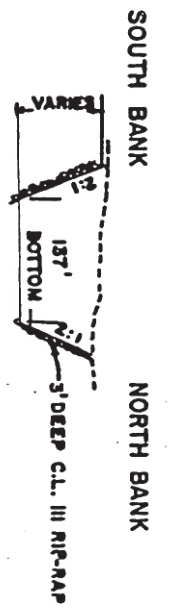
NOTES:
 MATERIAL TO BE REMOVED: SILT, SAND, AND GRAVEL
 QUANTITY: 50,000 CY (ANNUAL ESTIMATE)
 METHOD OF REMOVAL: CONSTRUCT TEMPORARY DIVERSION BERM,
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 SPOILS STORED ON CITY PROPERTY (NOT IN A FLOODPLAIN) WITH APPROPRIATE
 E&S CONTROLS.





TYPICAL SECTION "A"

SCALE : 1" = 50'



TYPICAL SECTION "B"

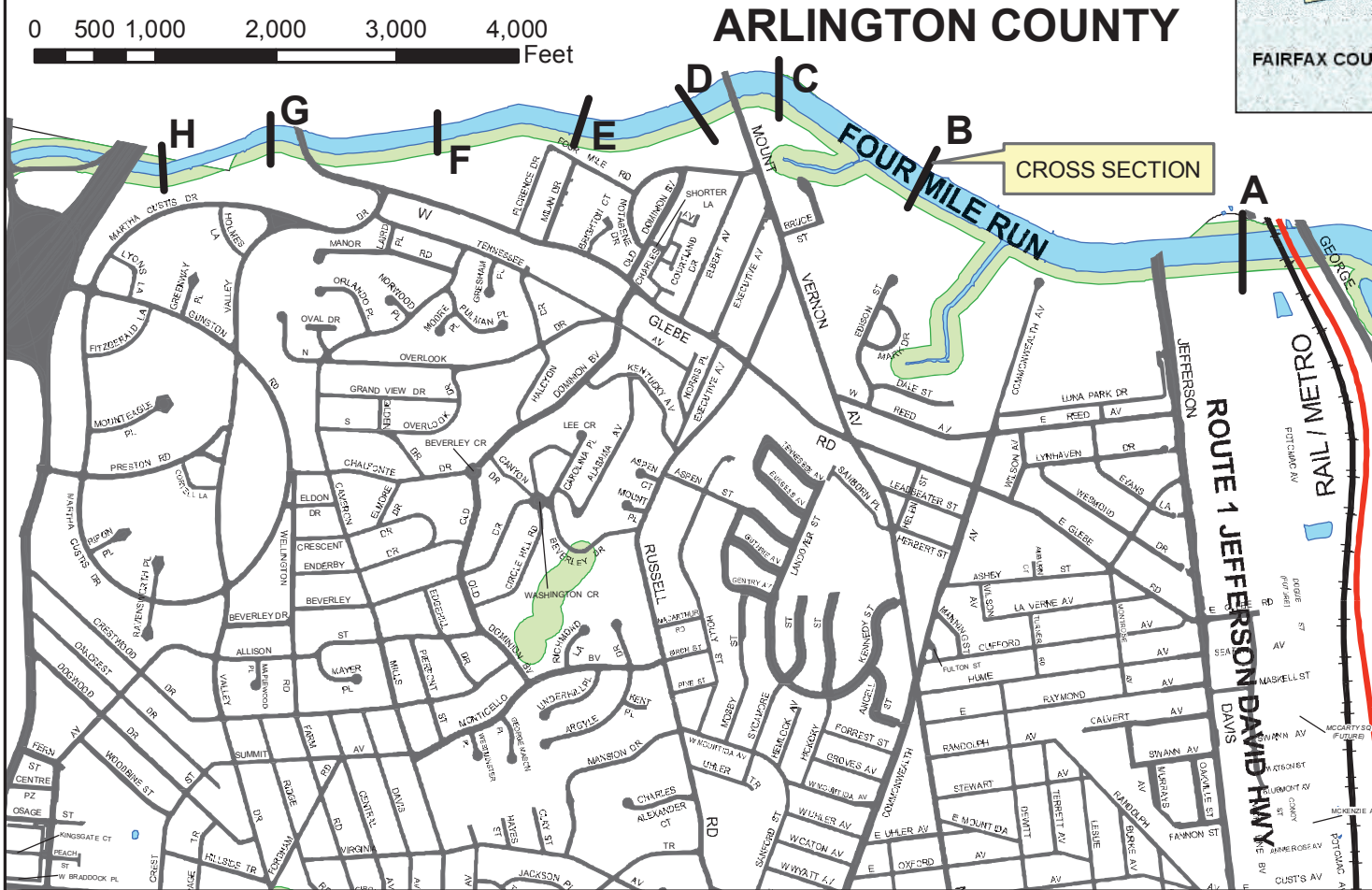
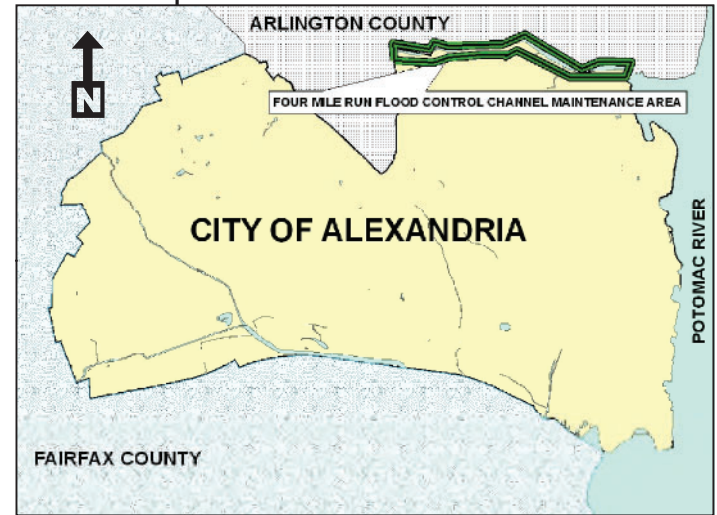
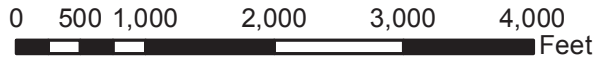
SCALE : 1" = 200'

CAMERON RUN FLOOD CONTROL CHANNEL MAINTENANCE
 CROSS SECTIONS
 CITY OF ALEXANDRIA
 AUGUST 2016

FOUR MILE RUN FLOOD CONTROL CHANNEL MAINTENANCE CITY OF ALEXANDRIA JULY 2016

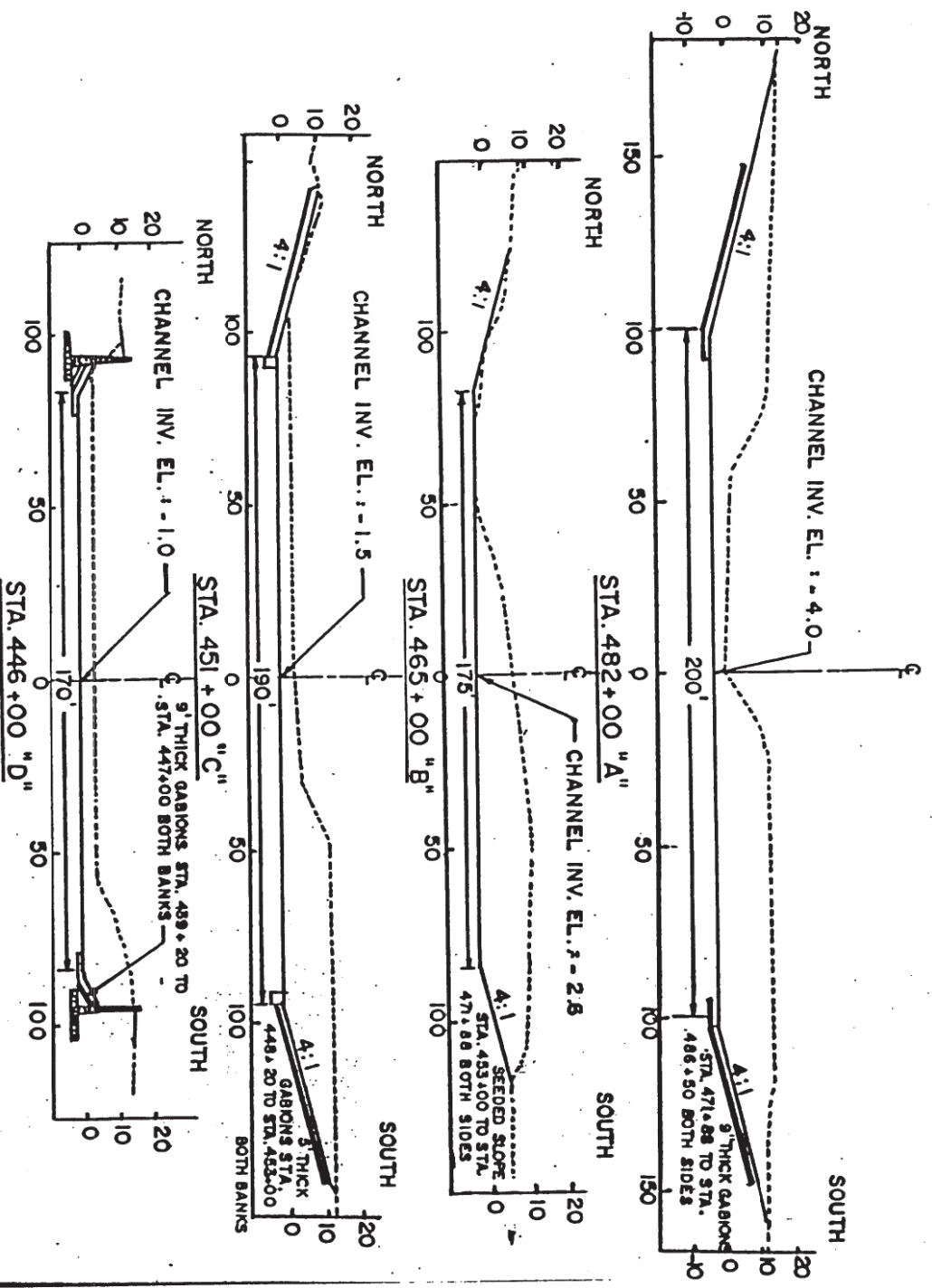


NOTES:
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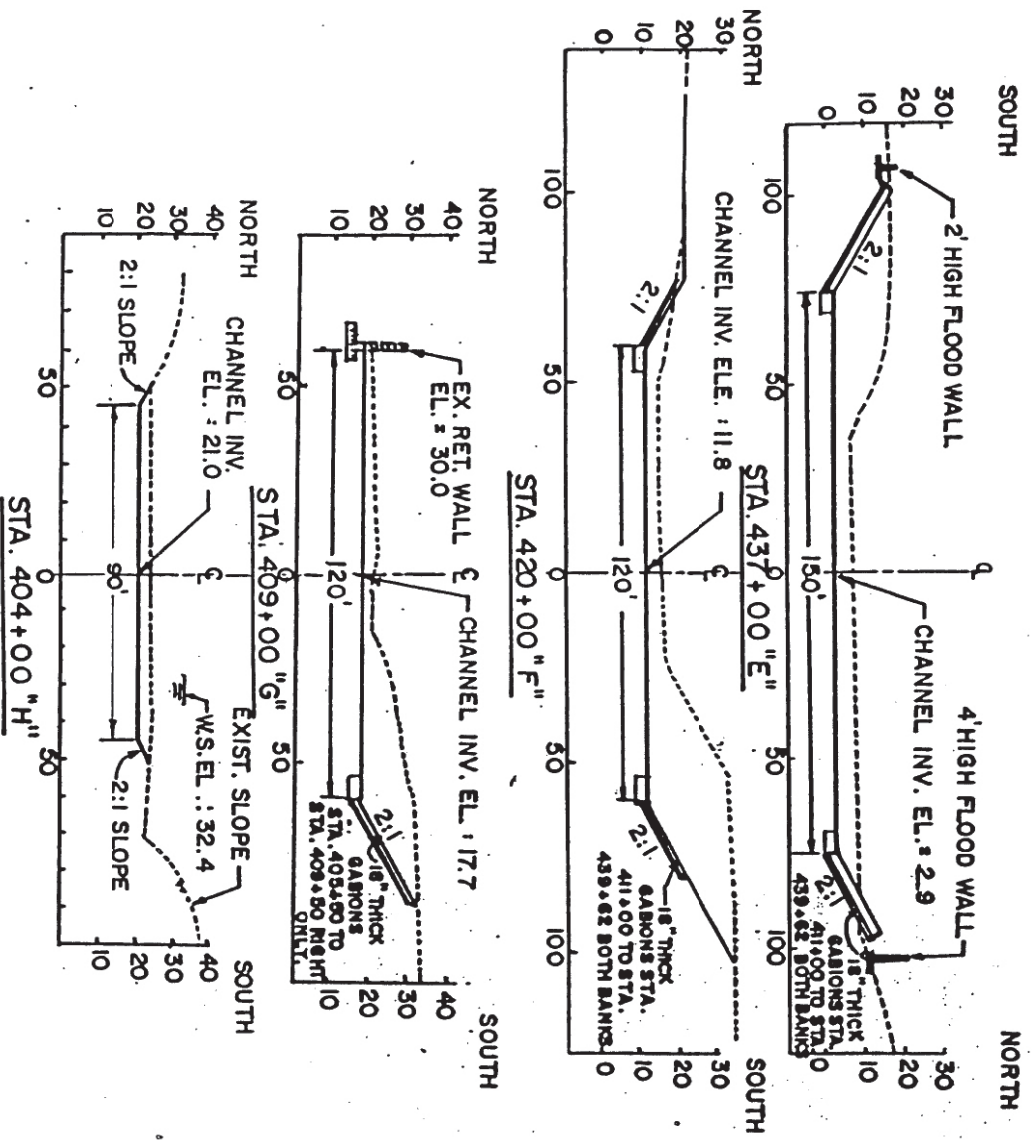


- STREAM
- RPA
- RAIL
- ROAD
- METRO





FOUR MILE RUN FLOOD CONTROL CHANNEL MAINTENANCE
CROSS SECTIONS
CITY OF ALEXANDRIA
AUGUST 2016



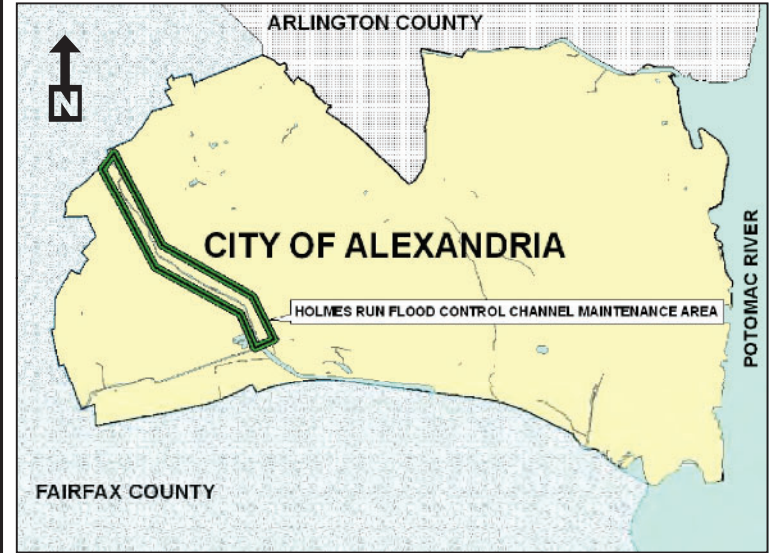
FOUR MILE RUN FLOOD CONTROL CHANNEL MAINTENANCE
CROSS SECTIONS
CITY OF ALEXANDRIA

AUGUST 2016

HOLMES RUN FLOOD CONTROL CHANNEL MAINTENANCE

CITY OF ALEXANDRIA

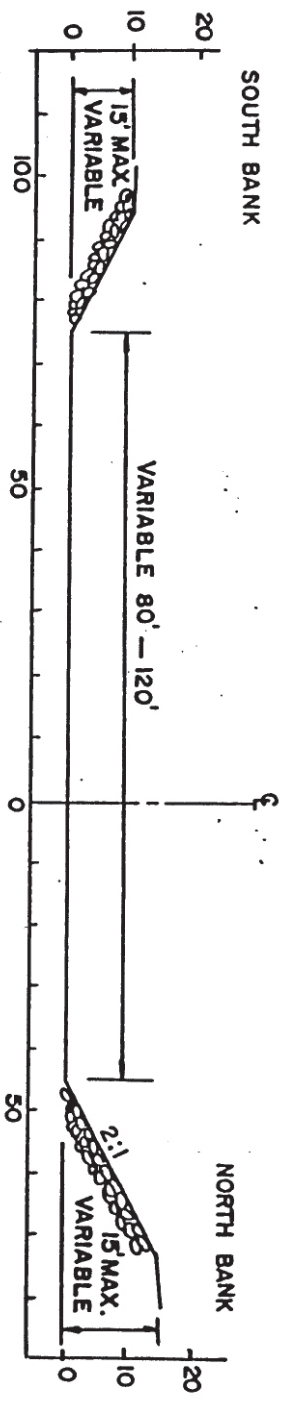
JULY 2016



NOTES:
 MATERIAL TO BE REMOVED: SILT, SAND, AND GRAVEL
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- STREAM
- RPA
- ROADS

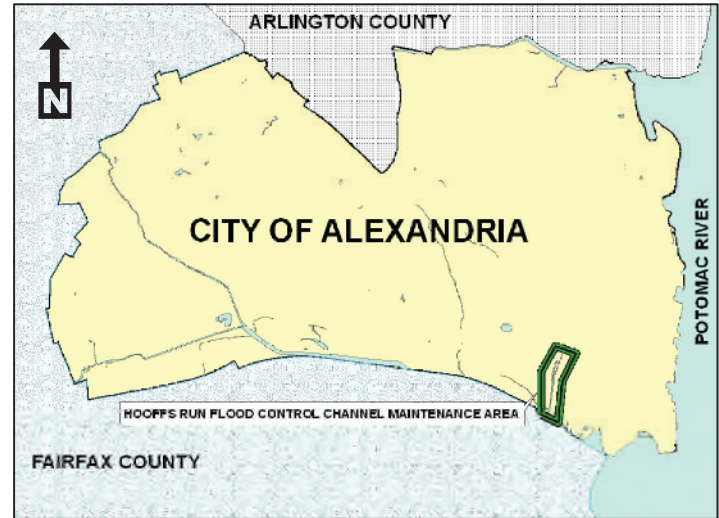
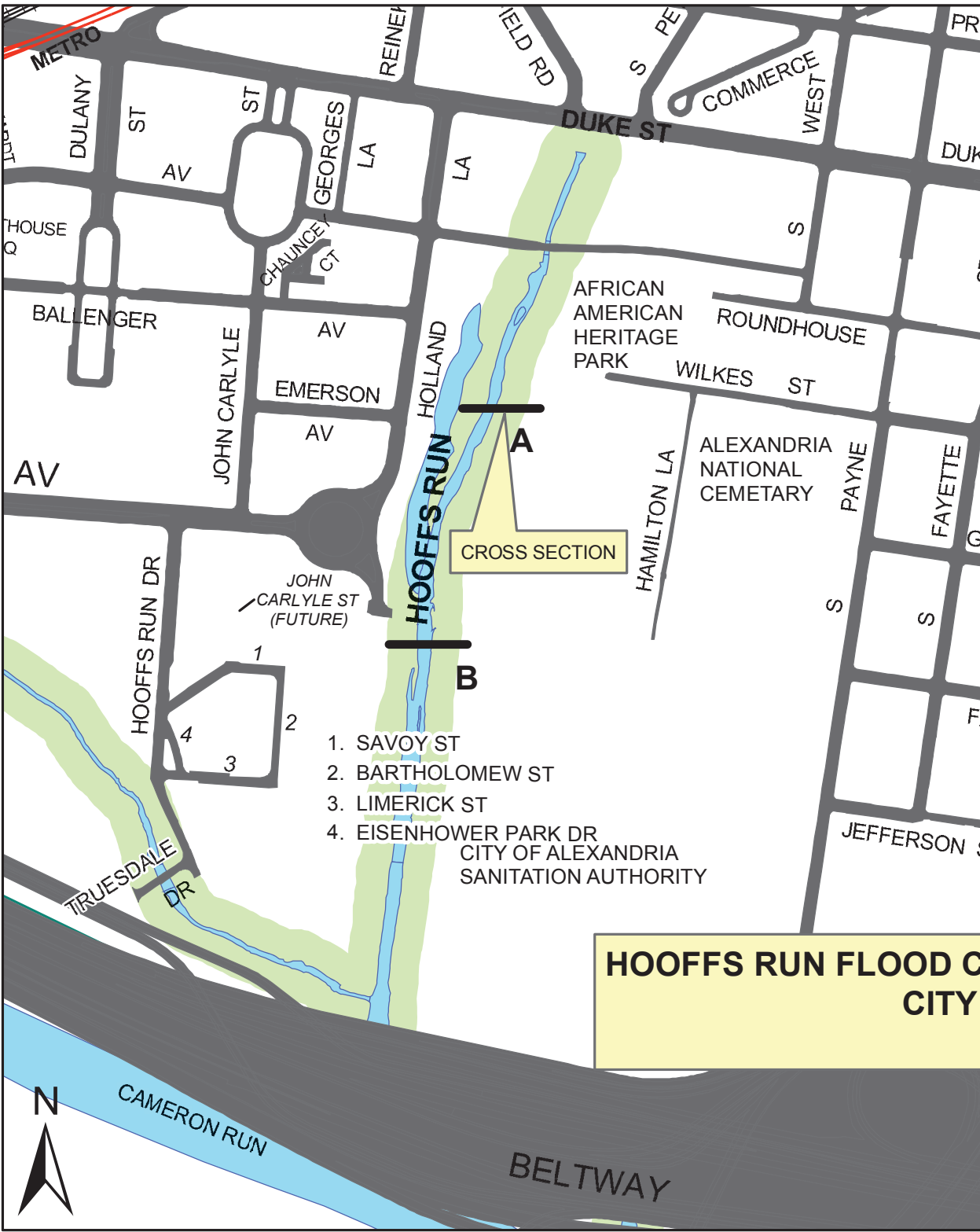








TYPICAL SECTION "A"

SCALE : 1" = 30'

**HOLMES RUN FLOOD CONTROL CHANNEL MAINTENANCE
 CROSS SECTIONS
 CITY OF ALEXANDRIA
 AUGUST 2016**



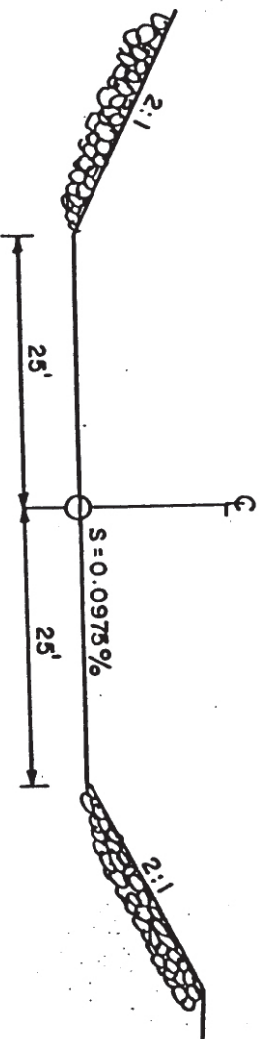
-  STREAM
-  RPA
-  ROAD
-  METRO



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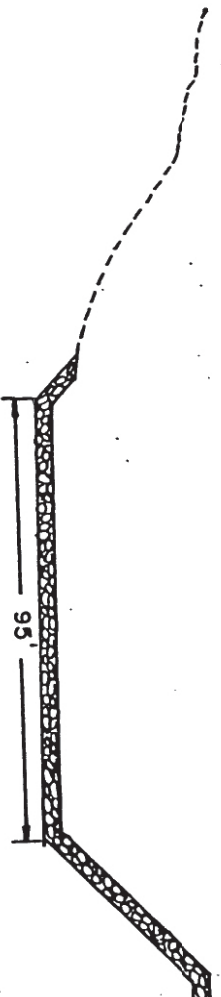
**HOOFFS RUN FLOOD CONTROL CHANNEL MAINTENANCE
 CITY OF ALEXANDRIA
 JULY 2016**





TYPICAL CROSS SECTION "A-A"

SCALE : 1" = 20'



TYPICAL CROSS SECTION "B-B"

SCALE : 1" = 40'

HOOFFS RUN FLOOD CONTROL CHANNEL MAINTENANCE
 CROSS SECTIONS
 CITY OF ALEXANDRIA
 AUGUST 2016