

PUBLIC NOTICE

US Army Corps of Engineers
Baltimore District
In Reply to Application Number
CENAB-OP-RMN(AA DPW/DULLS CORNER, PHASE
II/VEGETATIVE STABILIZATION) 05-64043-25

PN-05-38

Comment Period: 15 August 2005 to 15 September 2005

THE PURPOSE OF THIS PUBLIC NOTICE IS TO SOLICIT COMMENTS FROM THE PUBLIC ABOUT THE WORK DESCRIBED BELOW. AT THIS TIME, NO DECISION HAS BEEN MADE AS TO WHETHER OR NOT A PERMIT WILL BE ISSUED.

The Baltimore District has received an application for a Department of the Army permit pursuant to Section 404 of the Clean Water Act (33 U.S.C. 1344) and State authorization pursuant to the Tidal Wetlands Act and/or Nontidal Wetlands Protection Act, as described below:

APPLICANT: Anne Arundel County Dept of Public Works
Attn: Dennis McMonigle
2662 Riva Road - 3rd Floor
Annapolis, MD 21401

LOCATION: In a non-tidal tributary to Mill Creek, east of the intersection of MD Route 179 and MD Route 648, Anne Arundel County, Maryland

WORK: To restore 1,160 linear feet of stream channel. The proposed project will impact 81,061 square feet (1.86 acres) of non-tidal wetlands and 1,130 linear feet of existing stream channel. The project design includes a planting plan to replace vegetation damaged during construction. This project is the continuation of a project which was authorized to restore 2,000 linear feet of the unnamed tributary immediately downstream of this proposal.

All work is to be completed in accordance with the enclosed plan(s). If you have any questions concerning this matter, please contact *Claudia R. Steele* at (410) 962-5675.

The decision whether to issue a permit will be based on an evaluation of the probable impact including cumulative impacts of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which reasonably may be expected to accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, cultural values, fish and wildlife values, flood hazards, flood plain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, and, in general, the needs and welfare of the people.

The Corps of Engineers is soliciting comments from the public; Federal, State, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

The applicant is required to obtain a water quality certification in accordance with Section 401 of the Clean Water Act from the Maryland Department of the Environment. Any written comments concerning the work described above which relate to water quality certification must be received by the Standards and Certification Division Maryland Department of the Environment, Montgomery Park Business Center, 1800 Washington Boulevard, Suite 430, Baltimore, Maryland 21230-1708 within the comment period as specified above to receive consideration. Written comments concerning the work described above related to the factors listed above or other pertinent factors must be received by the District Engineer, US Army Corps of Engineers, Baltimore District, PO Box 1715, Baltimore, Maryland 21203-1715, within the comment period as specified above to receive consideration. The 401 certifying agency has a statutory limit of one year to make its decision.

The applicant has certified in this application that the proposed activity complies with and will be conducted in a manner consistent with the Maryland Coastal Zone Program. This certification statement is available for inspection in the District Office; however, public comments relating to consistency must be received by the Coastal Zone Division, Maryland Department of the Environment, Montgomery Park Business Center, 1800 Washington Boulevard, Suite 430, Baltimore, Maryland, 21230-1708, within the comment period as specified above. It should be noted that CZ Division

has a statutory limit of 6 months in which to make its consistency determination.

The applicant must obtain any State or local government permits which may be required.

A preliminary review of this application indicates that the proposed work will not affect listed species or their critical habitat pursuant to Section 7 of the Endangered Species Act as amended. As the evaluation of this application continues, additional information may become available which could modify this preliminary determination.

Review of the latest published version of the National Register of Historic Places indicates that no registered properties listed as eligible for inclusion therein are located at the site of the proposed work. Currently unknown archeological, scientific, prehistoric, or historical data may be lost or destroyed by the work to be accomplished under the requested permit.

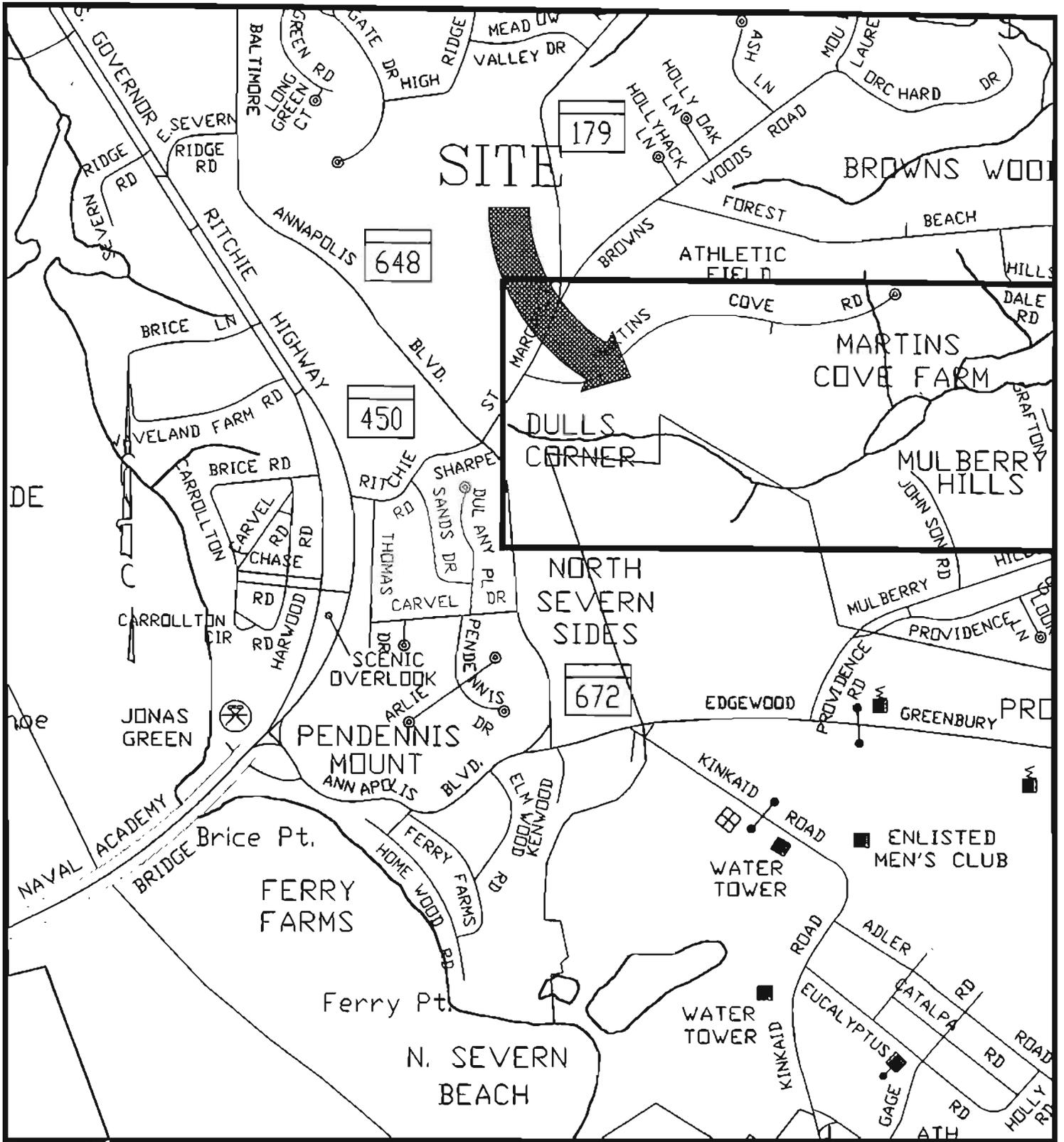
The evaluation of the impact of the work described above on the public interest will include application of the guidelines promulgated by the Administrator, U.S. Environmental Protection Agency, under authority of Section 404 of the Clean Water Act. Any person who has an interest which may be adversely affected by the issuance of this permit may request a public hearing. The request, which must be in writing, must be received by the District Engineer, US Army Corps of Engineers, Baltimore District, PO Box 1715, Baltimore, Maryland 21203-1715, within the comment period as specified as above to receive consideration. Also, it must clearly state forth the interest which may be adversely affected by this activity in the manner in which the interest may be adversely affected.

It is requested that you communicate the foregoing information concerning the proposed work to any persons known by you to be interested and not being known to this office, who did not receive a copy of this notice.

FOR THE DISTRICT ENGINEER:

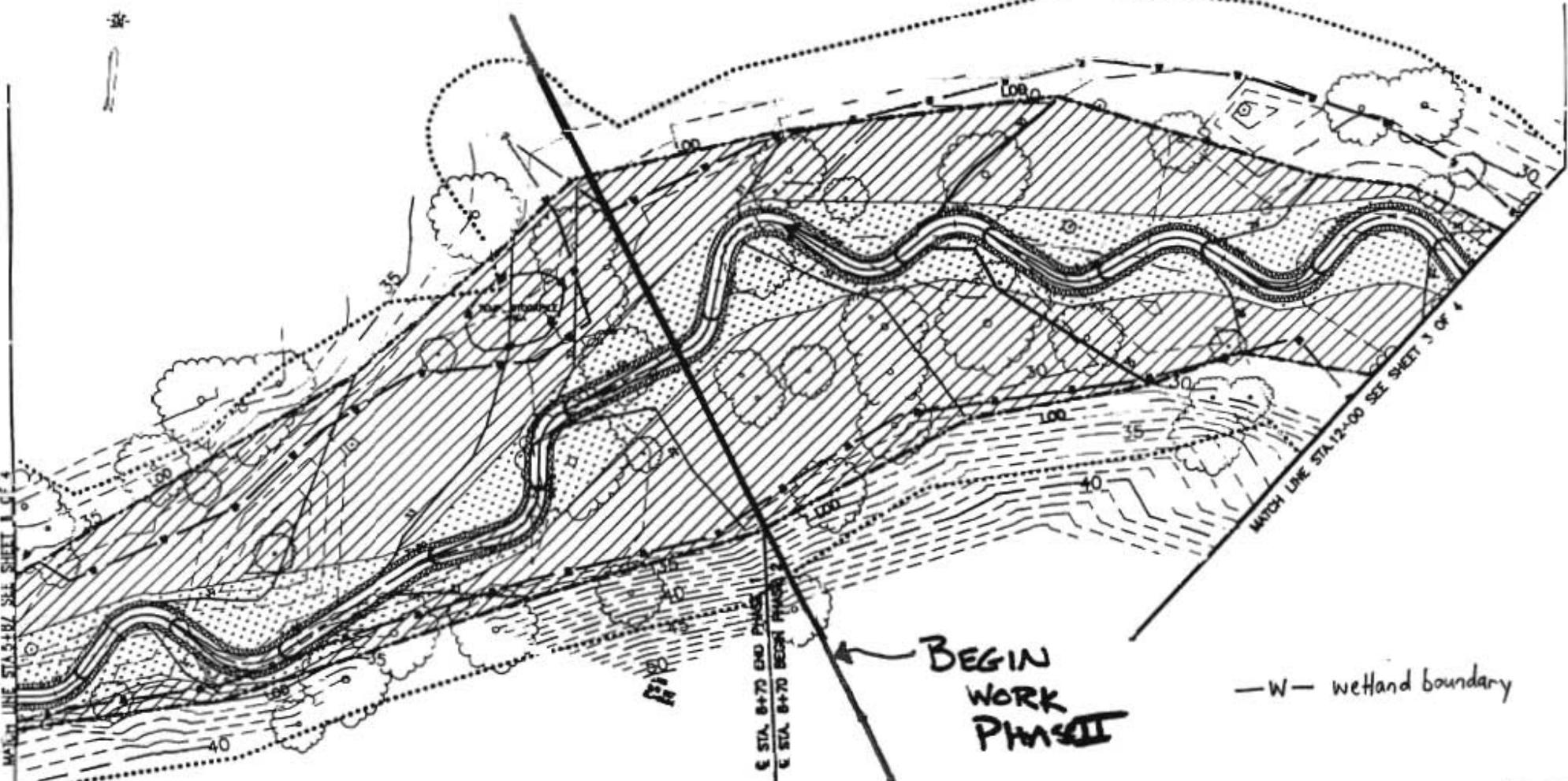


VANCE G. HOBBS
Chief, Maryland Section Northern



VICINITY MAP

SCALE: 1"=1,000'



PLAN VIEW
SCALE: 1"=50'

2

 CCJM ENVIRONMENTAL ENGINEERING & SCIENTISTS 9115 Guilford Road, Suite 100 Columbia, MD 21046-2597 Phone: (410) 641-9990 Fax: (410) 756-8548	 Brightwater, Inc. Environmental Consulting P.O. BOX 6396 Ellicott City, Maryland 21042 Tel. (410) 412-0478 (800) 840-8488	ANNE ARUNDEL COUNTY DEPARTMENT OF PUBLIC WORKS				MILL CREEK TRIBUTARY																																																			
		<table border="1"> <thead> <tr> <th>REVISION</th> <th>DATE</th> <th>BY</th> <th>APPROVED</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	REVISION	DATE	BY	APPROVED	DATE																<table border="1"> <thead> <tr> <th>APPROVED</th> <th>DATE</th> <th>APPROVED</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	APPROVED	DATE	APPROVED	DATE													<table border="1"> <thead> <tr> <th>SCALE</th> <th>AS SHOWN</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </tbody> </table>	SCALE	AS SHOWN							<table border="1"> <tbody> <tr> <td>DESIGNED BY: M.A.M.</td> <td> </td> </tr> <tr> <td>CHECKED BY: J.W.A.</td> <td> </td> </tr> <tr> <td>SHEET NO. </td> <td>OF 4</td> </tr> <tr> <td>PROJECT NO. 003000</td> <td> </td> </tr> <tr> <td>PROPOSAL NO. 003001</td> <td> </td> </tr> </tbody> </table>	DESIGNED BY: M.A.M.		CHECKED BY: J.W.A.		SHEET NO.	OF 4	PROJECT NO. 003000	
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DETAIL OF WETLANDS IMPACT		ASSISTANT CHIEF ENGINEER		CHIEF, RIGHT-OF-WAY																																																					



PLAN VIEW
SCALE: 1"=50'

CCJM
ENVIRONMENTAL ENGINEERING & ARCHITECTURE
0116 Guilford Road, Suite 100
Columbia, MD 21046-2697
Phone: (410) 961-9999
Fax: (410) 961-9998

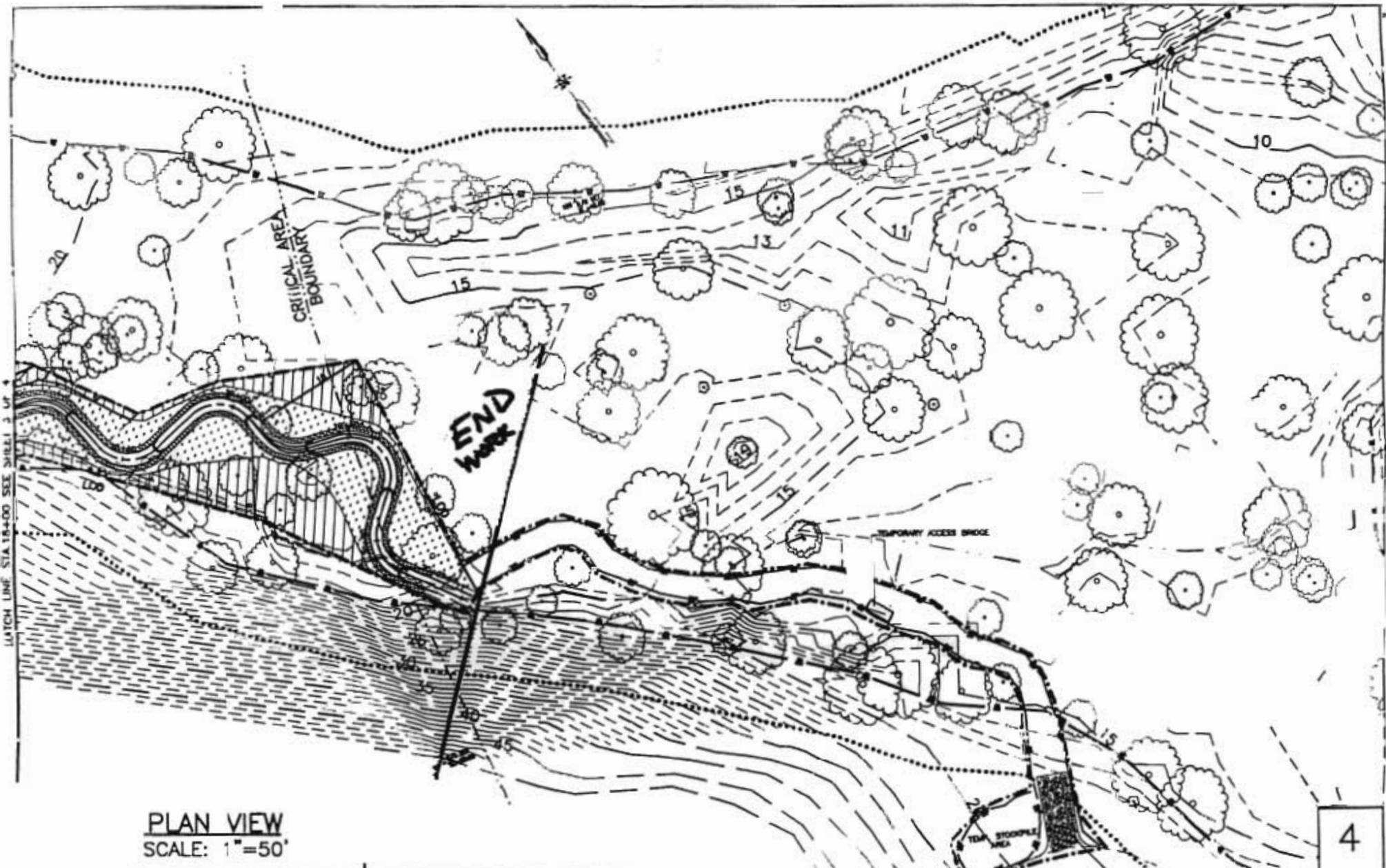
Brightwater, Inc.
Environmental Consulting
P.O. BOX 8348
Baltimore City, Maryland 21208
Tel. (410) 481-6470 (410) 481-6448

ANNE ARUNDEL COUNTY
DEPARTMENT OF PUBLIC WORKS

DESIGNED BY	APPROVED DATE	DESIGNED BY	APPROVED DATE	DESIGNED BY	APPROVED DATE
PROJECT ENGINEER		PROJECT MANAGER			
APPROVED DATE		APPROVED DATE			
ASSISTANT PROJECT ENGINEER		PROJECT MANAGER			

MILL CREEK TRIBUTARY

DETAIL
OF WETLANDS IMPACT



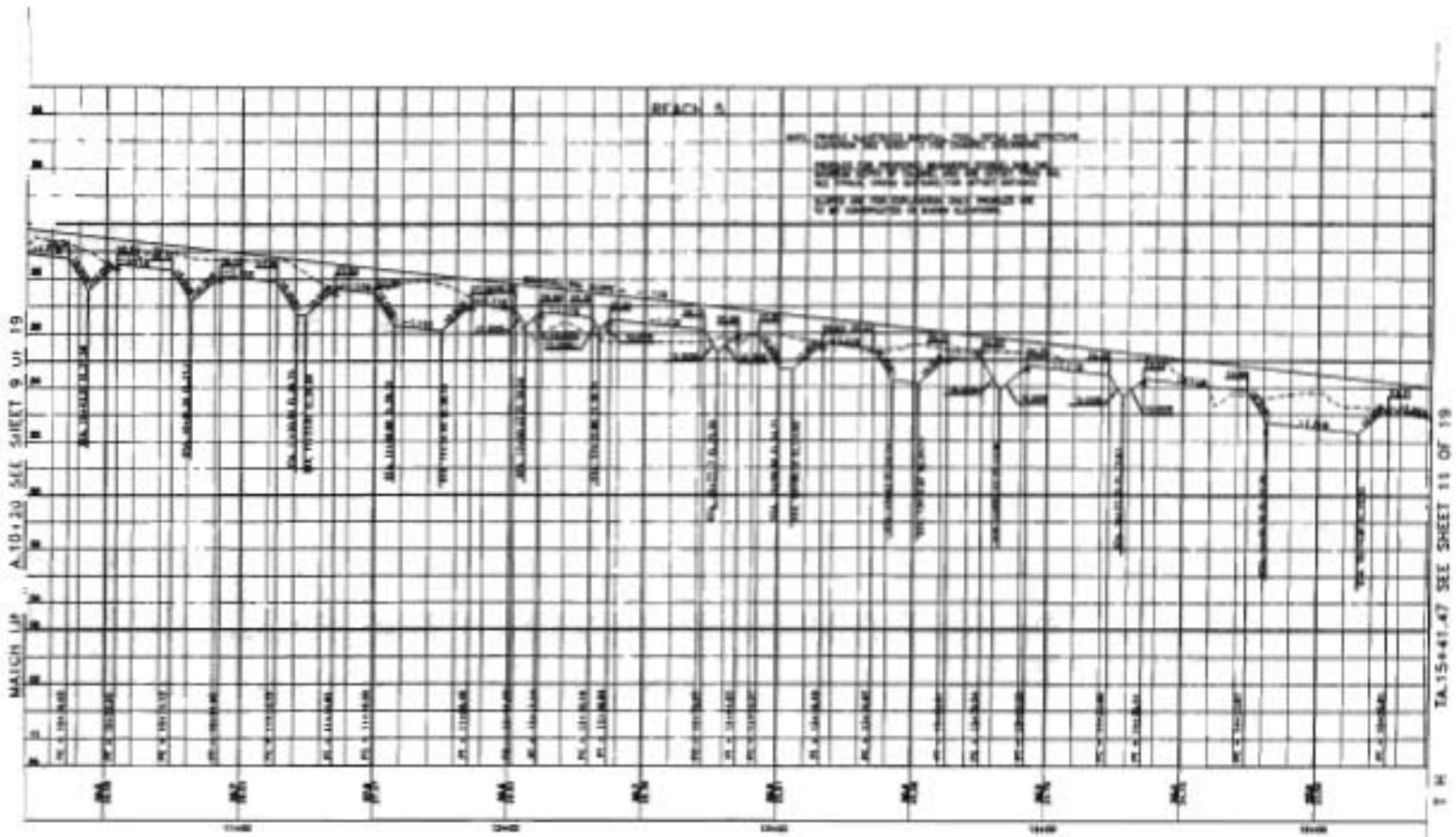
PLAN VIEW
SCALE: 1"=50'

CCJM
ENVIRONMENTAL ENGINEERS & ARCHITECTS
9115 Guilford Road, Suite 100
Columbia, MD 21046-2597
Phone: (410) 661-9999
Fax: (410) 750-8548

Brightwater, Inc.
Environmental Consulting
P.O. BOX 8395
Ellicott City, Maryland 21042
Tel. (410) 412-6476 (800) 542-6488

ANNE ARUNDEL COUNTY						DEPARTMENT OF PUBLIC WORKS	
						MILL CREEK TRIBUTARY	
DATE	REVISION	BY	APPROVED	DATE	APPROVED	DATE	WORKS AS SHOWN
			CHIEF ENGINEER		PROJECT MANAGER		DRAWN BY: M.M.M.
			APPROVED	DATE	APPROVED	DATE	CHECKED BY: J.W.S.
			ASSISTANT CHIEF ENGINEER		CHIEF, RIGHT-OF-WAY		SHEET NO. OF 4
							PROJECT NO. 003900
							PROPOSAL NO. 003901

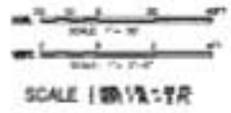
**DETAIL
OF WETLANDS IMPACT**



EXISTING GROUND AND PROPOSED THALWEG PROFILE (MAIN TRIBUTARY)

LEGEND

- EXISTING GROUND
- PROPOSED THALWEG
- PROPOSED CHANNEL BANK
- EXISTING CHANNEL BANK
- PROPOSED CHANNEL BANK
- PROPOSED CHANNEL BANK

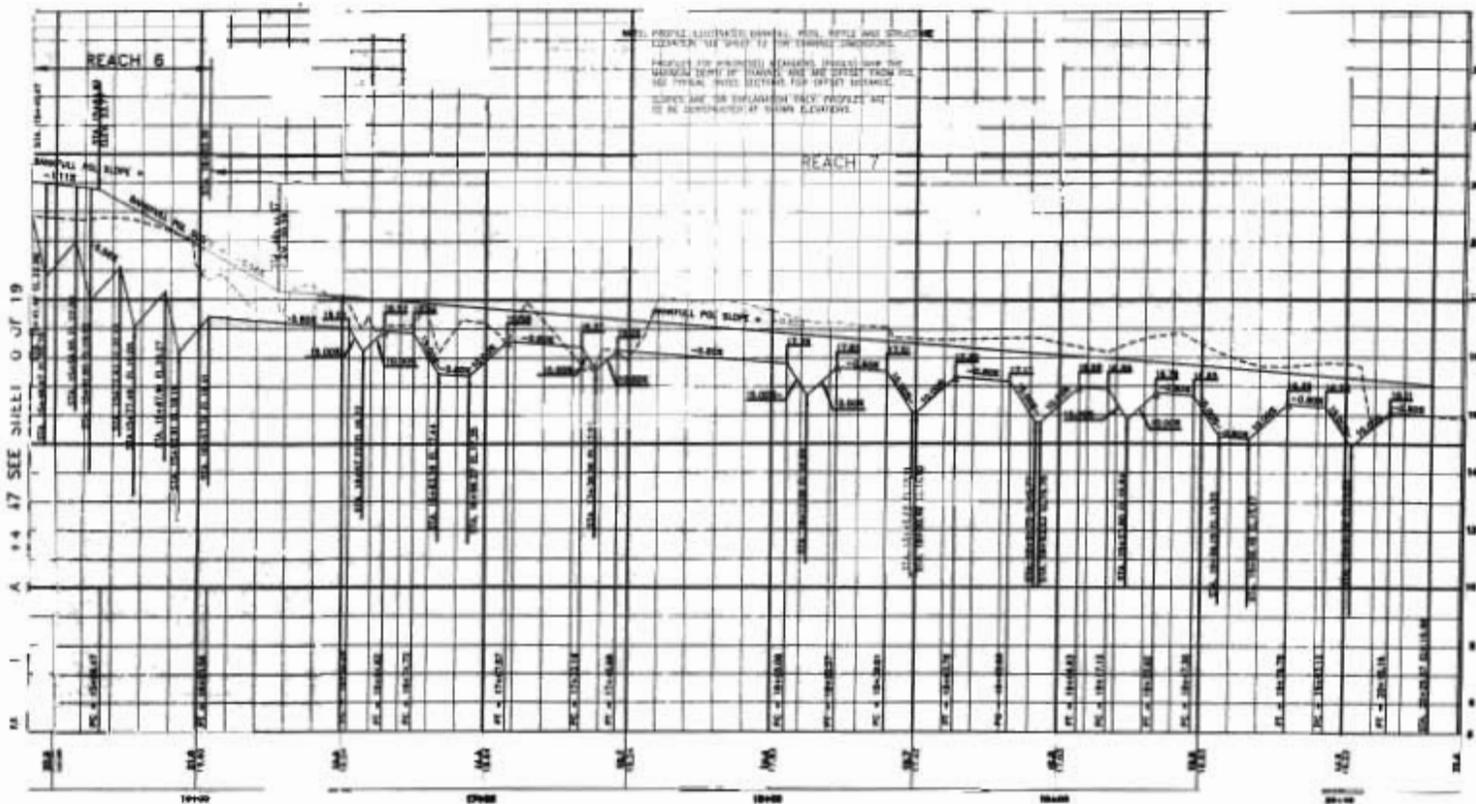


CCJM Brightwater, Inc.
 Environmental Consulting
 4115 Sully Road, Suite 100
 Columbia, MD 21046-1001
 Tel: 410-326-1000
 Fax: 410-326-1001

ANNE ARUNDEL COUNTY
 DEPARTMENT OF PUBLIC WORKS

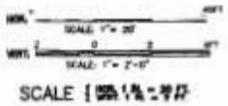
PROJECT NO.	DATE	SCALE	DATE
PROJECT NAME	PROJECT NUMBER	PROJECT LOCATION	PROJECT SHEET NUMBER

WILL CREEK TRIBUTARY
 STREAM RESTORATION
 PROFILE



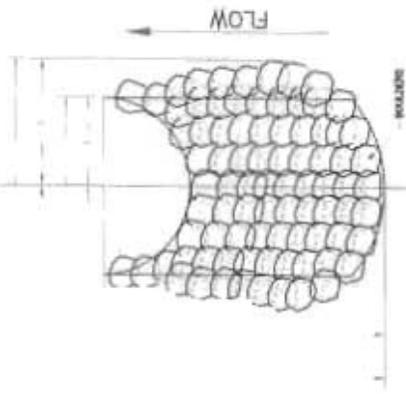
EXISTING GROUND AND PROPOSED THALWEG PROFILE (MAIN TRIBUTARY)

- LEGEND**
- EXISTING GROUND (H & A OF PROPOSED CHANNEL)
 - PROPOSED CHANNEL
 - PROPOSED CHANNEL BENT
 - WATER SURFACE ALONG CENTERLINE OF CHANNEL
 - PROPOSED STOP POOL
 - PROPOSED BANK VEGETATION



CCJM
Drightwater, Inc.
 Environmental Consulting
 8070 Rockledge Road, Suite 7
 Columbia, MD 21049
 Phone: 410-326-8888
 Fax: 410-326-8888

ANNE ARUNDEL COUNTY DEPARTMENT OF PUBLIC WORKS			
PROJECT NO. 11-07-14		MILL CREEK TRIBUTARY	
DESIGNED BY	PROJECT MANAGER	APPROVED BY	PROJECT NO. 11-07-14
DRAWN BY	DATE	DATE	PROJECT NO. 11-07-14
CHECKED BY	DATE	DATE	PROJECT NO. 11-07-14
APPROVED BY	DATE	DATE	PROJECT NO. 11-07-14



STEP POOL PLAN DIMENSIONS

CLASS	MIN. 1411.24 - SA 1442.24	MIN. 1442.24 - SA 1462.24	MIN. 1462.24 - SA 1482.24
A	17.0"	18.0"	19.0"
B	8.0"	8.5"	9.0"
C	16.0"	16.5"	17.0"
D	8.0"	8.5"	9.0"
E	8.0"	8.5"	9.0"
F	4.0"	4.5"	5.0"

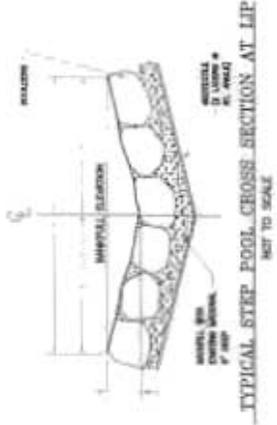
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MINIMUM DIM. 1442.24 - SA 1462.24
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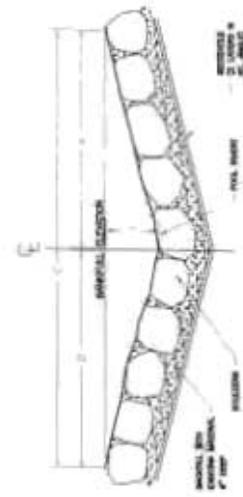
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MINIMUM DIM. 1442.24 - SA 1462.24
MINIMUM DIM. 1462.24 - SA 1482.24



DIMENSIONS FOR STEP POOL AT POOL LIP

CLASS	MIN. 1411.24 - SA 1442.24	MIN. 1442.24 - SA 1462.24	MIN. 1462.24 - SA 1482.24
A	17.0"	18.0"	19.0"
B	8.0"	8.5"	9.0"
C	16.0"	16.5"	17.0"
D	8.0"	8.5"	9.0"
E	8.0"	8.5"	9.0"
F	4.0"	4.5"	5.0"

MINIMUM DIM. 1411.24 - SA 1442.24
MINIMUM DIM. 1442.24 - SA 1462.24
MINIMUM DIM. 1462.24 - SA 1482.24



DIMENSIONS FOR STEP POOL AT MAX POOL DEPTH

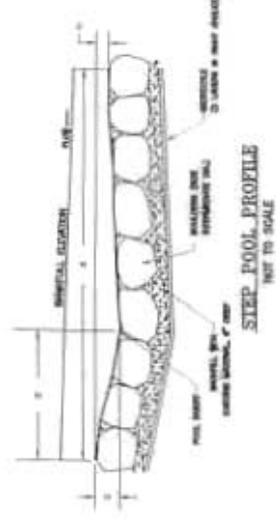
CLASS	MIN. 1411.24 - SA 1442.24	MIN. 1442.24 - SA 1462.24	MIN. 1462.24 - SA 1482.24
A	16.0"	17.0"	18.0"
B	8.0"	8.5"	9.0"
C	16.0"	16.5"	17.0"
D	8.0"	8.5"	9.0"
E	8.0"	8.5"	9.0"
F	4.0"	4.5"	5.0"

MINIMUM DIM. 1411.24 - SA 1442.24
MINIMUM DIM. 1442.24 - SA 1462.24
MINIMUM DIM. 1462.24 - SA 1482.24

STEP POOL CONSTRUCTION SEQUENCE

1. CONSTRUCTION OF THE WALKWAY AND POOL LIP SHALL BE COMPLETED FIRST.
2. THE WALKWAY SHALL BE CONSTRUCTED TO THE FULL WIDTH AND DEPTH OF THE POOL.
3. THE POOL LIP SHALL BE CONSTRUCTED TO THE FULL WIDTH AND DEPTH OF THE POOL.
4. THE POOL LIP SHALL BE CONSTRUCTED TO THE FULL WIDTH AND DEPTH OF THE POOL.
5. THE POOL LIP SHALL BE CONSTRUCTED TO THE FULL WIDTH AND DEPTH OF THE POOL.
6. THE POOL LIP SHALL BE CONSTRUCTED TO THE FULL WIDTH AND DEPTH OF THE POOL.

TYPICAL STEP POOL CROSS-SECTION PROFILE AT POOL MAX DEPTH



STEP POOL PROFILE DIMENSIONS

CLASS	MIN. 1411.24 - SA 1442.24	MIN. 1442.24 - SA 1462.24	MIN. 1462.24 - SA 1482.24
A	17.0"	18.0"	19.0"
B	8.0"	8.5"	9.0"
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D	8.0"	8.5"	9.0"
E	8.0"	8.5"	9.0"
F	4.0"	4.5"	5.0"

MINIMUM DIM. 1411.24 - SA 1442.24
MINIMUM DIM. 1442.24 - SA 1462.24
MINIMUM DIM. 1462.24 - SA 1482.24

CCJM
 CONSULTING ENGINEERS
 1115 BROADWAY, SUITE 200
 CHARLOTTE, NC 28202
 PHONE: 704.375.1111
 FAX: 704.375.1112

Brightwater, Inc.
 Environmental Consulting
 1400 BROADWAY, SUITE 200
 CHARLOTTE, NC 28202
 PHONE: 704.375.1111
 FAX: 704.375.1112

ANNE ARUNDEL COUNTY
 DEPARTMENT OF PUBLIC WORKS
 PROJECT NO. 10000000000000000000
 SHEET NO. 10000000000000000000
 DATE: 10/10/2010
 DRAWN BY: J. J. JONES
 CHECKED BY: J. J. JONES
 PROJECT NAME: MILL CREEK TRIBUTARY
 PROJECT LOCATION: STREAM RESTORATION
 PROJECT NUMBER: 10000000000000000000