

**U.S. Army Corps  
of Engineers**  
Baltimore District

# Public Notice

In Reply to Application Number  
CENAB-OP-RMS (MO-DEP LAKE WHETSTONE/ DREDGING)  
2013-61899

PN 14-3

Comment Period: January 14, 2014 to January 29, 2014

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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 10 of the Rivers and Harbors Act of 1899 and Section 404 of the Clean Water Act (33 U.S.C. 1344), as described below:

**APPLICANT:**

Ms. Amy Stevens  
Montgomery County Department of Environmental Protection  
255 Rockville Pike, Suite 120  
Rockville, Maryland 20850

**LOCATION:** In Lake Whetstone approximately 1 mile east of the intersection of Maryland 355 and Maryland 124 in Montgomery Village, Montgomery County, Maryland

**WORK:** To dredge by hydraulic method a 200-foot wide by 400-foot long area 1 to approximately -5.0 below ordinary high water removing approximately 5,000 cubic yard of material and to dredge an approximate 400-foot wide by 1,000 foot long area 2 to approximately -5.0 below ordinary high water removing approximately 15,000 cubic yard of material in Lake Whetstone. All material will be dried onsite and then disposed of at an approved upland, nonwetland, disposal site. All work is to be completed in accordance with the proposed plan(s). If you have any questions concerning this matter, please contact Mrs. Erica Schmidt at (410) 962-6029 or Erica.Schmidt@usace.army.mil.

Site layout for this project was based upon greatest siltation and that would most practicably avoid and minimize impacts to jurisdictional waters. Efforts were made to avoid, to the extent possible, the long and short-term adverse impacts associated with the proposed project.

Compensatory mitigation is not being proposed by the applicant for permanent impacts to open water.

The purpose of the project is primarily to provide reduced sedimentation and improved water quality at the site and downstream.

The Magnuson-Stevens Fishery Conservation and Management Act (MSFCMA), as amended by the Sustainable Fisheries Act of 1996 (Public Law 04-267), requires all Federal agencies to consult with the National Marine Fisheries Service (NMFS) on all

actions, or proposed actions, permitted, funded, or undertaken by the agency that may adversely effect essential fish habitat (EFH). The project site does not lie in or adjacent to EFH as described under MSFCMA .

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 Wetlands and Waterways Program, Maryland Department of the Environment, 1800 Washington Blvd. Suite 430, Baltimore, Maryland 21230 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, 1800 Washington Blvd. Suite 430, Baltimore, Maryland 21230, 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 District Engineer must receive the request, which must be in writing, 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 that 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:

Kathy B. Anderson  
Chief, Maryland Section Southern



# MONTGOMERY COUNTY GOVERNMENT

## DEPARTMENT OF ENVIRONMENTAL PROTECTION WATERSHED MANAGEMENT DIVISION

# LAKE WHETSTONE MAINTENANCE BY HYDRAULIC DREDGING

### INDEX OF SHEETS

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- 5 STAGING AREA PLAN
- 6 AREA 1 DREDGING PLAN, PROFILES AND CROSS SECTIONS
- 7 AREA 2 DREDGING PLAN, PROFILES AND CROSS SECTIONS
- 8 EROSION AND SEDIMENT CONTROL GENERAL NOTES AND SEQUENCE OF CONSTRUCTION.
- 9 EROSION AND SEDIMENT CONTROL DETAILS
- 10 EROSION AND SEDIMENT CONTROL DETAILS

### OWNER'S/DEVELOPER'S CERTIFICATION

I/WE HEREBY CERTIFY THAT ALL CLEARING, GRADING, CONSTRUCTION AND/OR DEVELOPMENT WILL BE DONE PURSUANT TO THIS PLAN AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT.

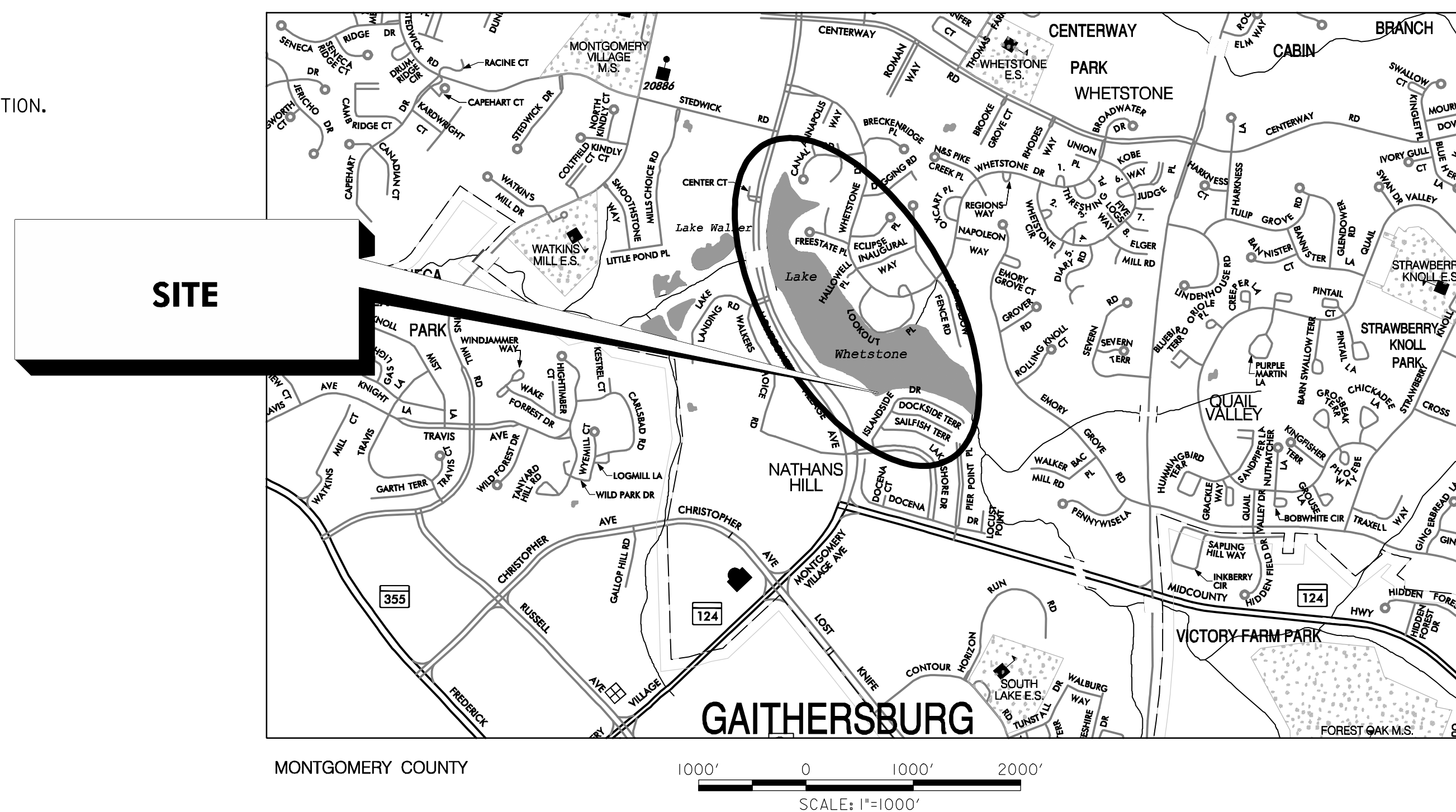
SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

### DESIGN CERTIFICATION

I HEREBY CERTIFY THAT THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE "2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL," MONTGOMERY COUNTY DEPARTMENT OF PERMITTING SERVICES EXECUTIVE REGULATIONS 5-90, 7-02AM AND 36-90, AND MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION "STORM DRAIN DESIGN CRITERIA" DATED AUGUST, 1988.

DESIGN ENGINEER SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

PRINTED NAME \_\_\_\_\_ REGISTRATION NUMBER \_\_\_\_\_



### LEGEND

- EXISTING CONTOURS
- - - PROPOSED CONTOURS
- BOTTOM LAKE CONTOURS
- ROADWAYS
- WATER LINE
- - - SAN - - - SANITARY LINE
- PROPERTY BOUNDARIES
- HOUSES
- - - EDGE OF LAKE
- EXISTING WALKWAY
- EXISTING SHORELINE RIPRAP
- EXISTING DECIDUOUS TREE
- EXISTING FIR TREE
- EXISTING HEDGES
- EXISTING PICKNICK TABLE ON MULCH
- EXISTING RETAINING WALL
- BORING LOCATIONS
- SAMPLING LOCATIONS
- DREDGING AREAS
- SEDIMENT TO BE DREDGED
- CE — CONSTRUCTION EASEMENT
- A-1 — EARTH DIKE
- X — X — CONSTRUCTION FENCE
- LOD — LIMIT OF DISTURBANCE
- STABILIZED CONSTRUCTION FENCE
- SSF — SUPER SILT FENCE
- 1+00 — PROFILE BASELINES
- A — A' — CROSS SECTIONS

### GENERAL NOTES

1. A PRE-CONSTRUCTION MEETING WITH OWNER AND REGULATORY AGENCIES IS REQUIRED AFTER LOD STAKE OUT AND PRIOR TO CONSTRUCTION ACTIVITY TAKING PLACE
2. A MAXIMUM OF 20,000 CUBIC YARDS OF SEDIMENTS INCLUDING OVERDREDGE IS TO BE DREDGED FROM LAKE WHETSTONE.
3. NO DREDGING, SPUDDING OR ANCHORING TO BE DONE WITHIN TEN FEET OF THE EXISTING SANITARY LINE.
4. INFORMATION ON EXISTING UTILITIES WAS OBTAINED FROM MONTGOMERY COUNTY GIS.
5. CALL "MISS UTILITY" AT 1-800-257-777 FORTY-EIGHT (48) HOURS PRIOR TO BEGINNING ANY CONSTRUCTION AND DREDGING TO DETERMINE THE EXACT LOCATION OF EXISTING UTILITIES.
6. BATHYMETRIC SURVEY PERFORMED BY JMT IN APRIL 2013.
7. SURVEY OF DEWATERING PLANT AREA PERFORMED BY WBCM IN JULY 2013.
8. COUNTY GIS DATA USED FOR NON-SURVEYED AREAS.

### RELATED REQUIRED PERMITS

**IT IS THE RESPONSIBILITY OF PERMITEE/OWNER OF THIS SITE TO OBTAIN ALL REQUIRED PERMITS PRIOR TO ISSUANCE OF THE APPROVED SEDIMENT CONTROL PERMIT**

TYPE OF PERMIT	REQD	NOT REQD	PERMIT #	EXPIRATION DATE	WORK RESTRICTION DATES
MCDPS FLOODPLAIN DISTRICT	X				
WATERWAYS /WETLAND(S)					
a. CORPS OF ENGINEERS	X				
b. MDE	X				
c. MDE WATER QUALITY CERTIFICATION					
MDE DAM SAFETY	X				
N.P.D.E.S. NOTICE OF INTENT	X				
MCDPS SEDIMENT CONTROL	X				
MNCPPC NRI/FSD	X				



WHITNEY BAILEY COX & MAGNANI, LLC  
849 Fairmount Ave., Suite 100, Baltimore, MD 21286  
Tel. 410-512-4500 Fax. 410-324-4100  
www.wbcm.com

PROFESSIONAL CERTIFICATION  
I HEREBY CERTIFY THAT DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. \_\_\_\_\_ EXPIRATION DATE: \_\_\_\_\_

MONTGOMERY CO. DEPARTMENT OF PERMITTING SERVICES APPROVED FOR:		NOTE:
Stormwater Management:	Sediment Control Technical Requirements:	Administrative Requirements:
Reviewed _____ Date _____	Reviewed _____ Date _____	Reviewed _____ Date _____
Approved _____ Date _____	Reviewed _____ Date _____	_____
S.M. FILE NO. _____		SEDIMENT CONTROL PERMIT NO. _____
		MCDPS APPROVAL OF PLAN WILL EXPIRE ONE YEAR FROM THE DATE OF APPROVAL IF THE PROJECT HAS NOT STARTED - UNLESS THE PERMIT HAS BEEN EXTENDED.

NO.	REVISION	DATE	BY

Designed by: JK Drawn by: CY Checked by: JK

MONTGOMERY COUNTY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
ROCKVILLE, MARYLAND

## LAKE WHETSTONE MAINTENANCE BY HYDRAULIC DREDGING TITLE SHEET

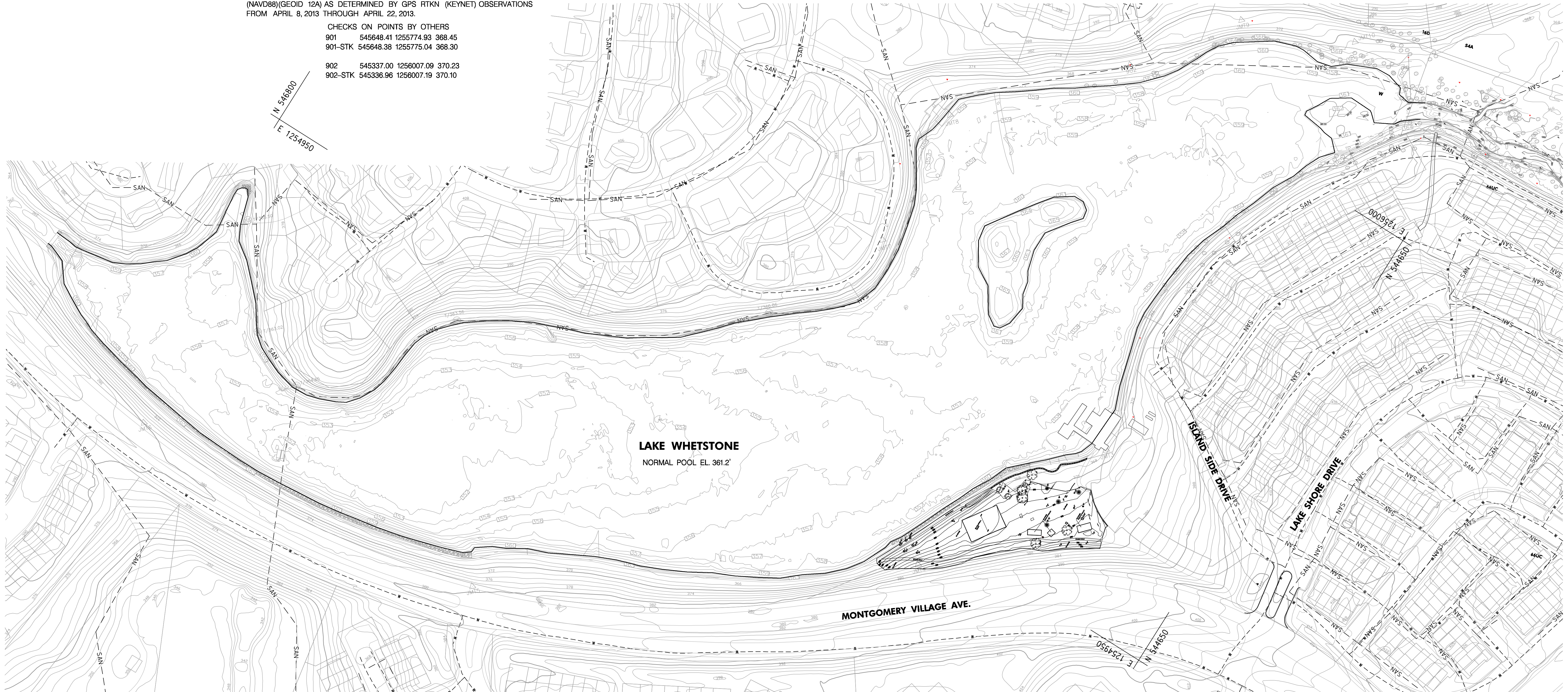
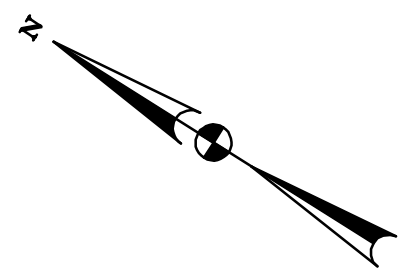
Project No.: \_\_\_\_\_ SHEET 1 of 10



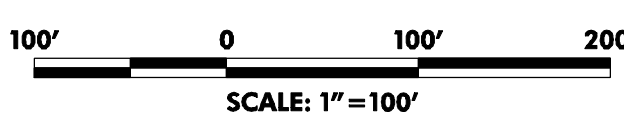
GENERAL NOTES FOR BATHYMETRY OF LAKE WHETSTONE

1. THIS SURVEY WAS BASED ON A FIELD-RUN TOPOGRAPHIC SURVEY PERFORMED BY JOHNSON, MIRMIRAN & THOMPSON (JMT) IN APRIL, 2013 AND REFLECTS SITE CONDITIONS AS OF THAT DATE.
2. COORDINATES ARE REFERENCED TO THE MARYLAND STATE PLANE COORDINATE SYSTEM NAD 83(2011) ZONE 1900 EPOCH 2010 AS DETERMINED BY GPS RTKN (KEYNET) OBSERVATIONS FROM APRIL 8, 2013 THROUGH APRIL 22, 2013.
3. ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)(GEOID 12A) AS DETERMINED BY GPS RTKN (KEYNET) OBSERVATIONS FROM APRIL 8, 2013 THROUGH APRIL 22, 2013.

CHECKS ON POINTS BY OTHERS  
 901 545648.41 1255774.93 368.45  
 901-STK 545648.38 1255775.04 368.30  
  
 902 545337.00 1256007.09 370.23  
 902-STK 545336.96 1256007.19 370.10



N 546800  
 E 1254950

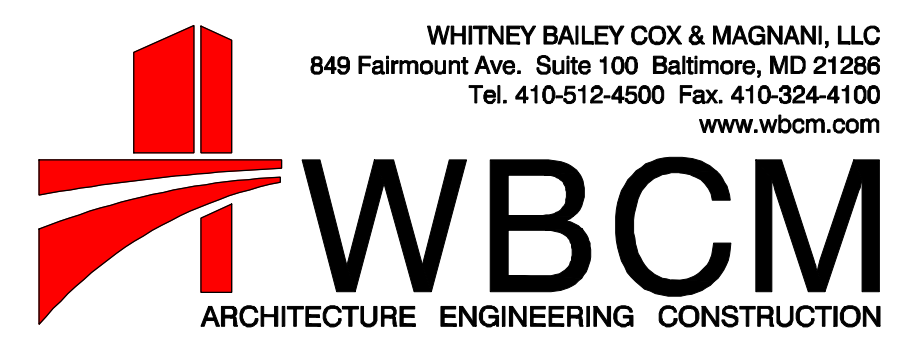


J.M.T. SURVEY TRAVERSE CONTROL COORDINATE TABLE

POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
JMT1	544798.43	1256098.61	369.93	TRAV, REBAR & CAP
JMT2	544981.86	1255678.90	370.99	TRAV, REBAR & CAP
JMT3	544945.47	1255289.98	368.73	TRAV, MAGNAIL
JMT4	545153.49	1254872.45	372.55	TRAV, REBAR & CAP
JMT5	545927.31	1254330.65	378.89	TRAV, REBAR & CAP
JMT6	546700.42	1254253.20	379.51	TRAV, REBAR & CAP
JMT7	545582.92	1255414.48	372.97	TRAV, REBAR & CAP
JMT8	545602.93	1255714.66	364.25	TRAV, MAGNAIL
JMT9	545188.11	1256213.22	377.46	TRAV, REBAR & CAP
JMT10	544960.10	1256301.96	367.30	TRAV, REBAR & CAP

GENERAL NOTES FOR TOPOGRAPHY

1. SURVEY PERFORMED BY WBCM FOR DEWATERING PLANT IN JULY 2013.
2. TOPOGRAPHY SHOWN FOR OTHER AREAS ARE FROM MONTGOMERY COUNTY GIS.



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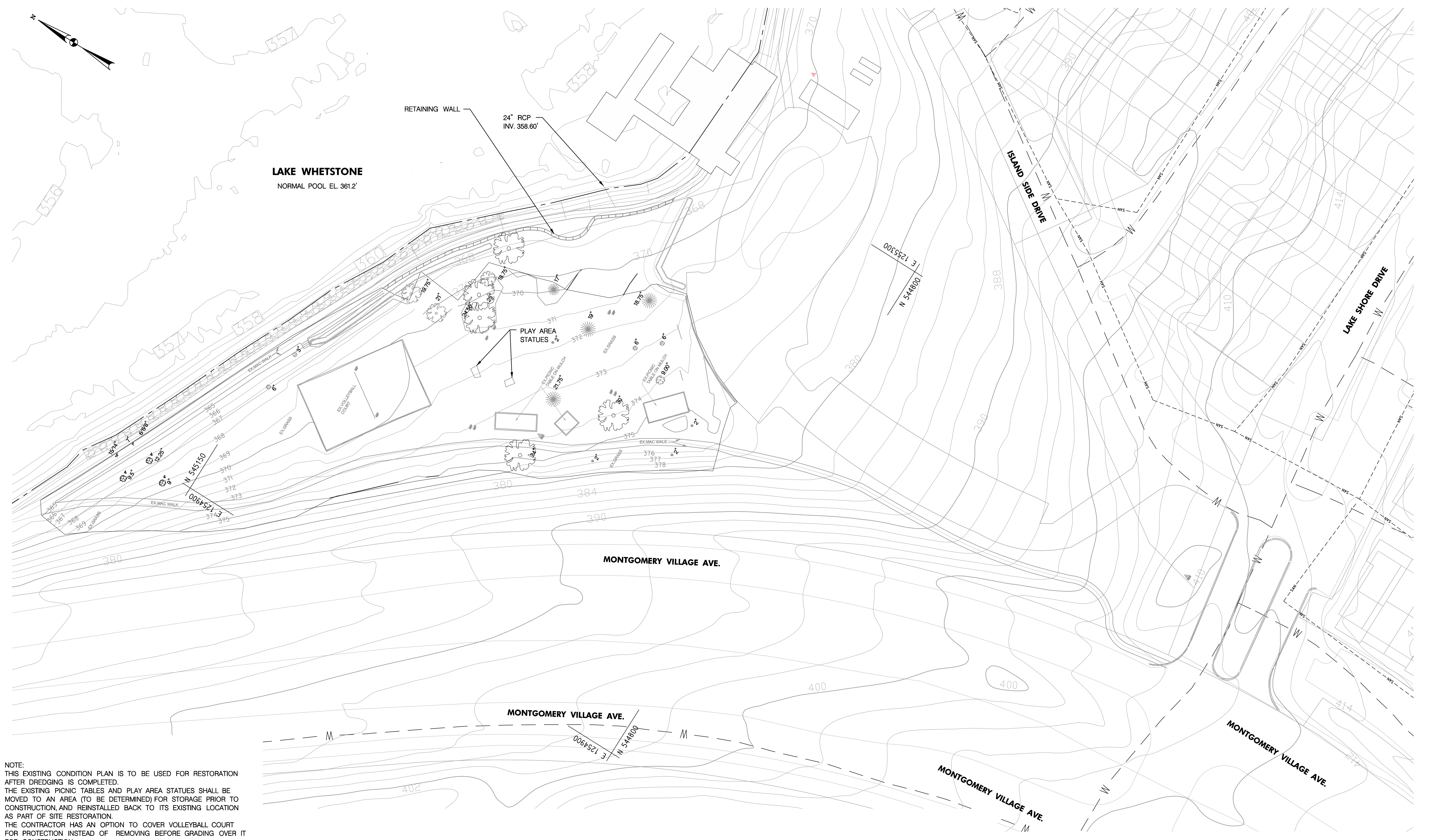
MONTGOMERY CO. DEPARTMENT OF PERMITTING SERVICES APPROVED FOR:		NOTE:
Stormwater Management:	Sediment Control Technical Requirements:	Administrative Requirements:
Reviewed _____ Date _____	Reviewed _____ Date _____	Reviewed _____ Date _____
Approved _____ Date _____	Reviewed _____ Date _____	SEDIMENT CONTROL PERMIT NO. _____
S.M. FILE NO. _____		MDCPS APPROVAL OF PLAN WILL EXPIRE ONE YEAR FROM THE DATE OF APPROVAL IF THE PROJECT HAS NOT STARTED - UNLESS THE PERMIT HAS BEEN EXTENDED.

NO.	REVISION	DATE	BY

Designed by: JK Drawn by: CY Checked by: JK

MONTGOMERY COUNTY DEPARTMENT OF ENVIRONMENTAL PROTECTION ROCKVILLE, MARYLAND  
**LAKE WHETSTONE MAINTENANCE BY HYDRAULIC DREDGING**  
 EXISTING CONDITIONS BATHYMETRIC AND TOPOGRAPHIC PLAN  
 Project No.: \_\_\_\_\_ SHEET 2 of 10





**LAKE WHETSTONE**  
NORMAL POOL EL. 361.2'

RETAINING WALL  
24" RCP  
INV. 358.60'

PLAY AREA  
STATUES

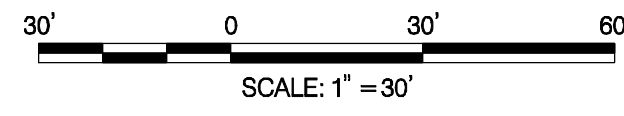
MONTGOMERY VILLAGE AVE.

MONTGOMERY VILLAGE AVE.

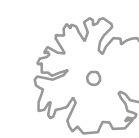

MONTGOMERY VILLAGE AVE.

MONTGOMERY VILLAGE AVE.

NOTE:  
THIS EXISTING CONDITION PLAN IS TO BE USED FOR RESTORATION AFTER DREDGING IS COMPLETED.  
THE EXISTING PICNIC TABLES AND PLAY AREA STATUES SHALL BE MOVED TO AN AREA (TO BE DETERMINED) FOR STORAGE PRIOR TO CONSTRUCTION, AND REINSTALLED BACK TO ITS EXISTING LOCATION AS PART OF SITE RESTORATION.  
THE CONTRACTOR HAS AN OPTION TO COVER VOLLEYBALL COURT FOR PROTECTION INSTEAD OF REMOVING BEFORE GRADING OVER IT FOR CONSTRUCTION.



**LEGEND**

- SANITARY LINE --- SAN ---
- DECIDUOUS TREE 
- FIR TREE 

PROFESSIONAL CERTIFICATION  
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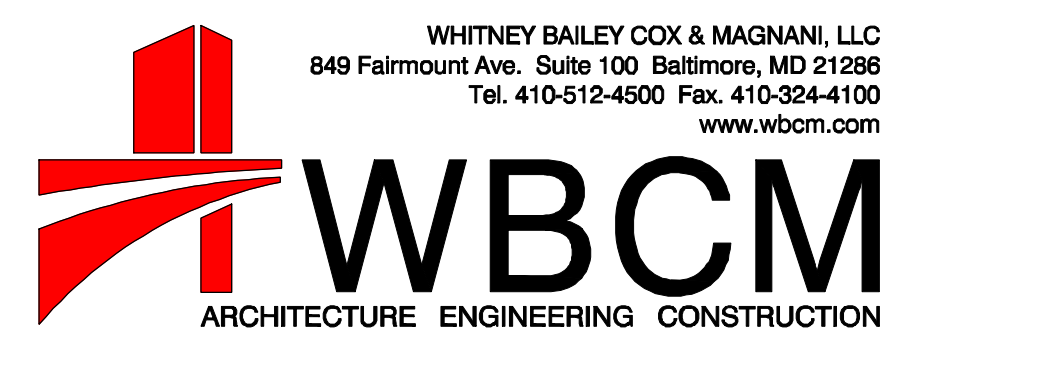
NO.	REVISION	DATE	BY

MONTGOMERY COUNTY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
ROCKVILLE, MARYLAND

**LAKE WHETSTONE  
MAINTENANCE BY HYDRAULIC DREDGING**

EXISTING CONDITIONS STAGING AREA PLAN

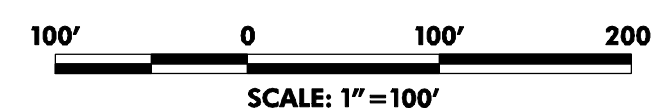
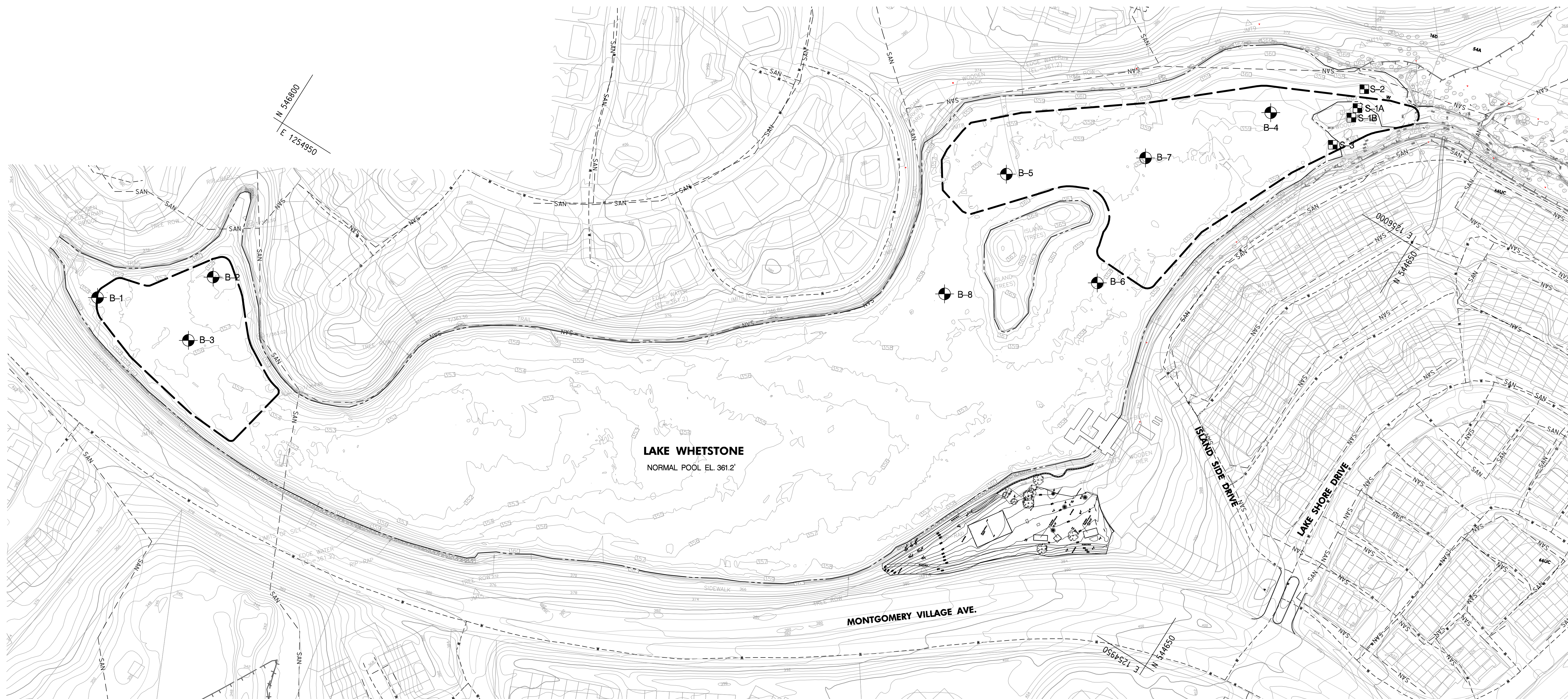
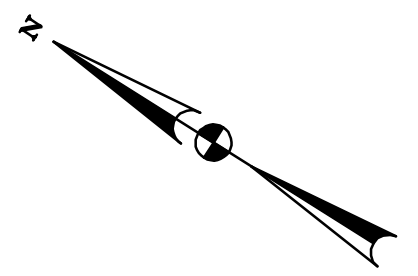
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**WBCM**  
ARCHITECTURE ENGINEERING CONSTRUCTION





**LEGEND**

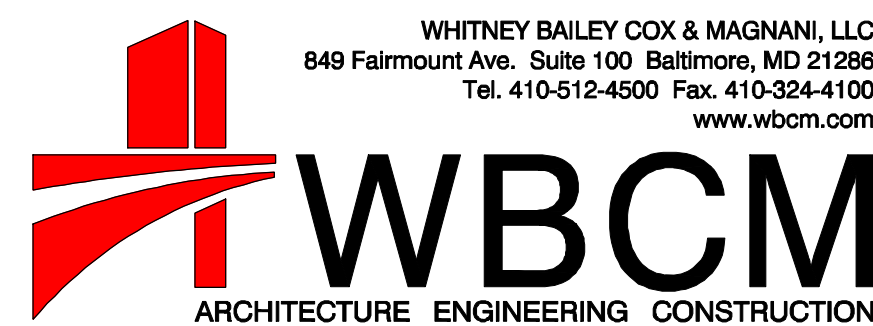
- B-1 BORING LOCATIONS
- S-1 SAMPLING LOCATIONS
- DREDGING AREAS

BORING ID	EASTING	NORTHING	APPROX. WATER DEPTH
1	1254430.92	546933.68	3.9
2	1254597.26	545750.42	3.2
3	1254456.57	546723.47	4.8
4	1256078.72	545048.09	2.2
5	125672.06	545450.68	2.0
6	1255580.09	545166.28	3.0
7	1255857.36	545220.59	2.0
8	1255388.89	545426.40	2.6

SAMPLE ID	EASTING	NORTHING
S-1A	1256184.37	544898.34
S-1B	1256160.44	544898.73
S-2	1256225.74	544907.47
S-3	1256.091.28	544901.26

**NOTES:**

1. SAMPLING OF SEDIMENT WAS PERFORMED IN DECEMBER 2011 BY GANNETT FLEMING INC. FOR ANALYTICAL TESTING.
2. BORINGS WERE DONE IN AUGUST 2013 BY E2CR INC. FOR GEOTECHNICAL ANALYSIS.



WHITNEY BAILEY COX & MAGNANI, LLC  
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**PROFESSIONAL CERTIFICATION**  
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 ROCKVILLE, MARYLAND

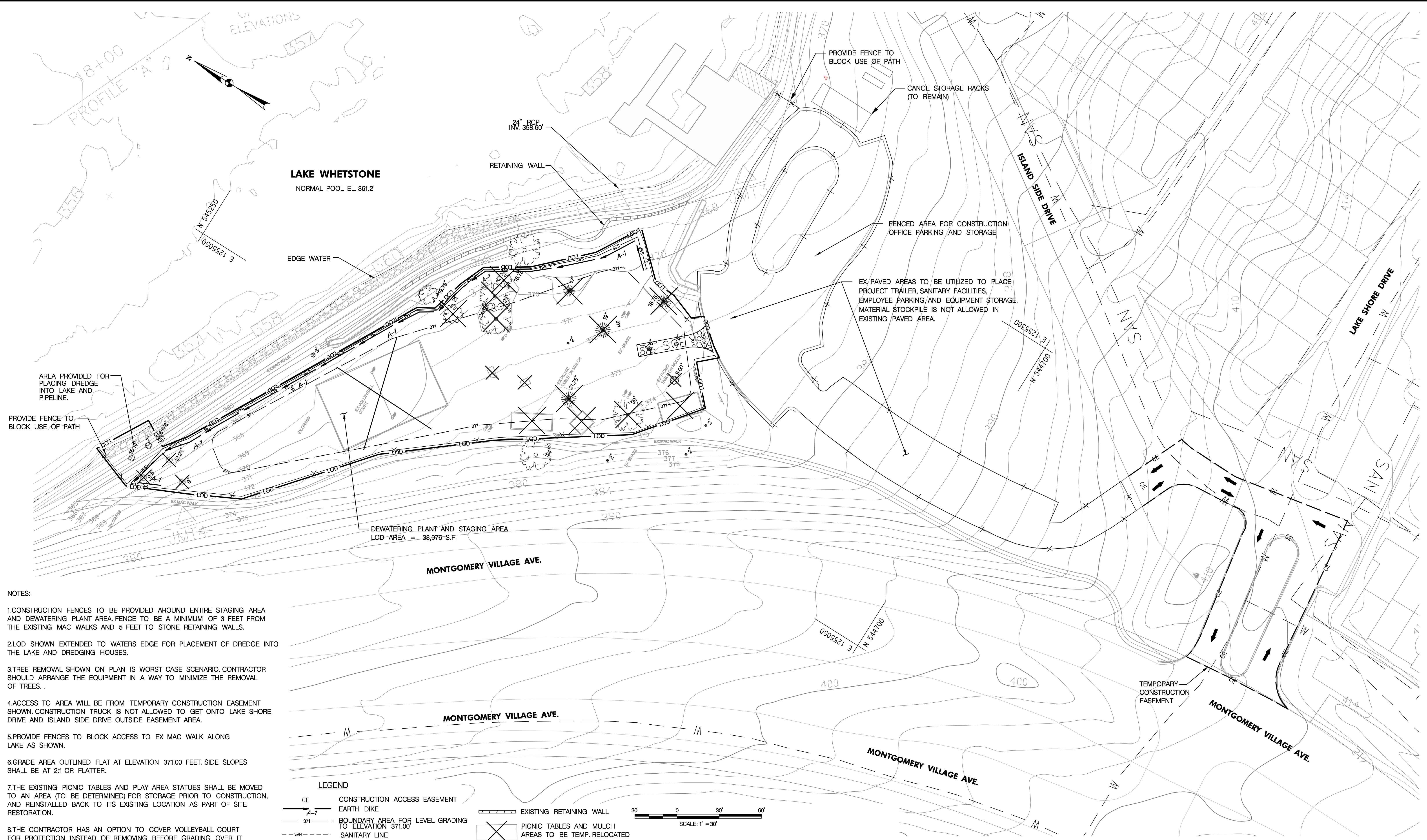
**LAKE WHETSTONE  
 MAINTENANCE BY HYDRAULIC DREDGING**

EXISTING CONDITIONS  
 BORING AND SAMPLING PLAN

Project No.: \_\_\_\_\_ SHEET 4 of 10



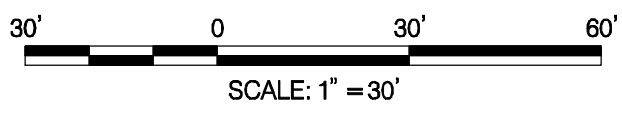
**LAKE WHETSTONE**  
NORMAL POOL EL. 361.2'



- NOTES:**
- 1.CONSTRUCTION FENCES TO BE PROVIDED AROUND ENTIRE STAGING AREA AND DEWATERING PLANT AREA FENCE TO BE A MINIMUM OF 3 FEET FROM THE EXISTING MAC WALKS AND 5 FEET TO STONE RETAINING WALLS.
  - 2.LOD SHOWN EXTENDED TO WATERS EDGE FOR PLACEMENT OF DREDGE INTO THE LAKE AND DREDGING HOUSES.
  - 3.TREE REMOVAL SHOWN ON PLAN IS WORST CASE SCENARIO.CONTRACTOR SHOULD ARRANGE THE EQUIPMENT IN A WAY TO MINIMIZE THE REMOVAL OF TREES.
  - 4.ACCESS TO AREA WILL BE FROM TEMPORARY CONSTRUCTION EASEMENT SHOWN.CONSTRUCTION TRUCK IS NOT ALLOWED TO GET ONTO LAKE SHORE DRIVE AND ISLAND SIDE DRIVE OUTSIDE EASEMENT AREA.
  - 5.PROVIDE FENCES TO BLOCK ACCESS TO EX MAC WALK ALONG LAKE AS SHOWN.
  - 6.GRADE AREA OUTLINED FLAT AT ELEVATION 371.00 FEET.SIDE SLOPES SHALL BE AT 2:1 OR FLATTER.
  - 7.THE EXISTING PICNIC TABLES AND PLAY AREA STATUES SHALL BE MOVED TO AN AREA (TO BE DETERMINED) FOR STORAGE PRIOR TO CONSTRUCTION, AND REINSTALLED BACK TO ITS EXISTING LOCATION AS PART OF SITE RESTORATION.
  - 8.THE CONTRACTOR HAS AN OPTION TO COVER VOLLEYBALL COURT FOR PROTECTION INSTEAD OF REMOVING BEFORE GRADING OVER IT FOR CONSTRUCTION.

**LEGEND**

CE	CONSTRUCTION ACCESS EASEMENT	EXISTING RETAINING WALL
A-7	EARTH DIKE	PICNIC TABLES AND MULCH AREAS TO BE TEMP. RELOCATED
371	BOUNDARY AREA FOR LEVEL GRADING TO ELEVATION 371.00	CHILDREN'S PLAY APPARATUS TO BE TEMP. RELOCATED
SAN	SANITARY LINE	VOLLEYBALL COURT TO BE REMOVED OR PROTECTED
X	CONSTRUCTION FENCE	
LOD	LIMIT OF DISTURBANCE	
SCE	STABILIZE CONSTRUCTION ENTRANCE	
SSF	SUPER SILT FENCE	
W	WATER LINE	
(Tree symbol)	TREES TO BE REMOVED	



**PROFESSIONAL CERTIFICATION**  
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Stormwater Management:	Sediment Control Technical Requirements:	Administrative Requirements:
Reviewed _____ Date _____	Reviewed _____ Date _____	Reviewed _____ Date _____
Approved _____ Date _____	Reviewed _____ Date _____	SEDIMENT CONTROL PERMIT NO. _____

NO.	REVISION	DATE	BY

MONTGOMERY COUNTY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
ROCKVILLE, MARYLAND

**LAKE WHETSTONE  
MAINTENANCE BY HYDRAULIC DREDGING**

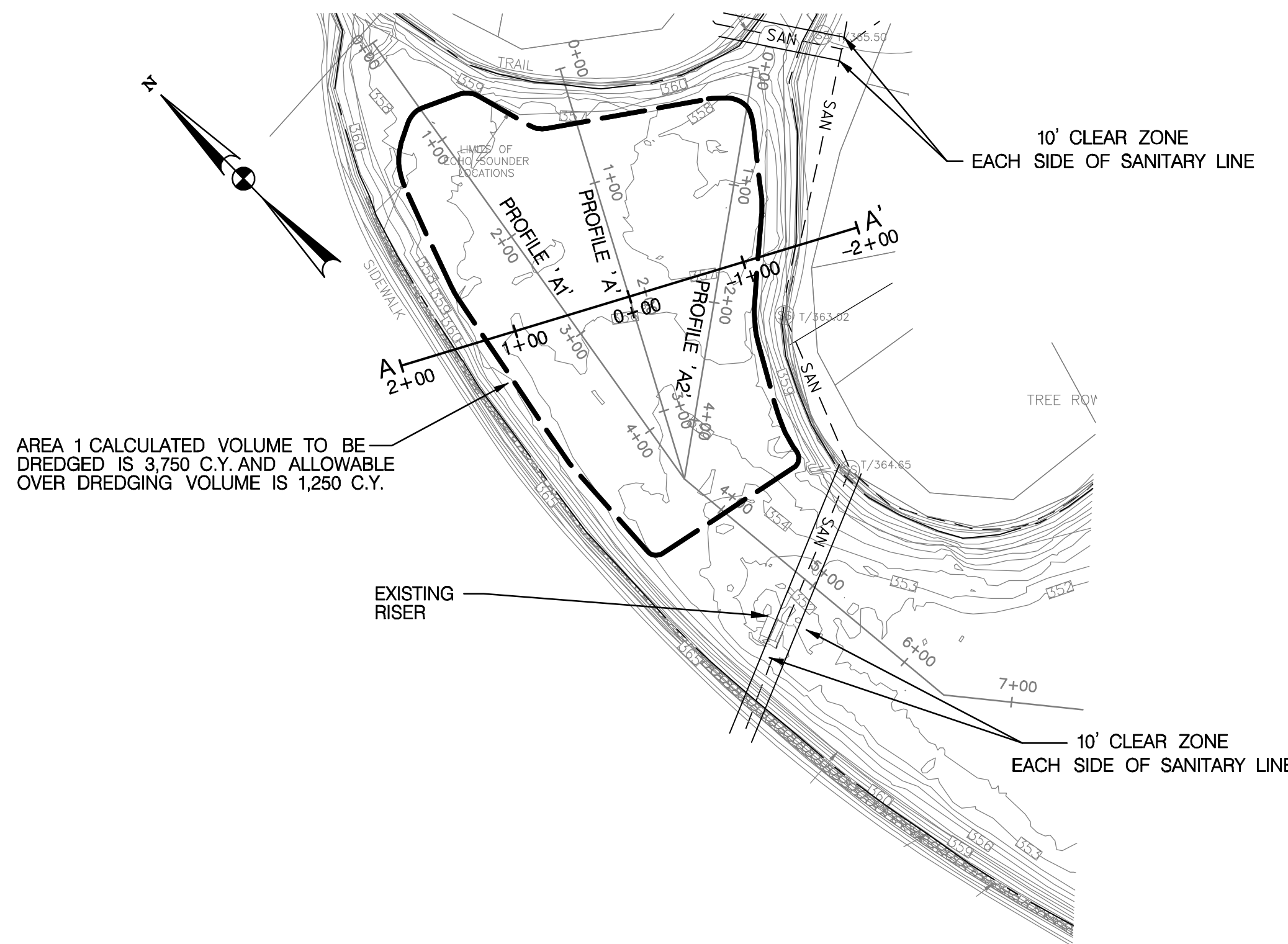
STAGING AREA PLAN

Project No.: \_\_\_\_\_ SHEET 5 of 10

WHITNEY BAILEY COX & MAGNANI, LLC  
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**WBCM**  
ARCHITECTURE ENGINEERING CONSTRUCTION

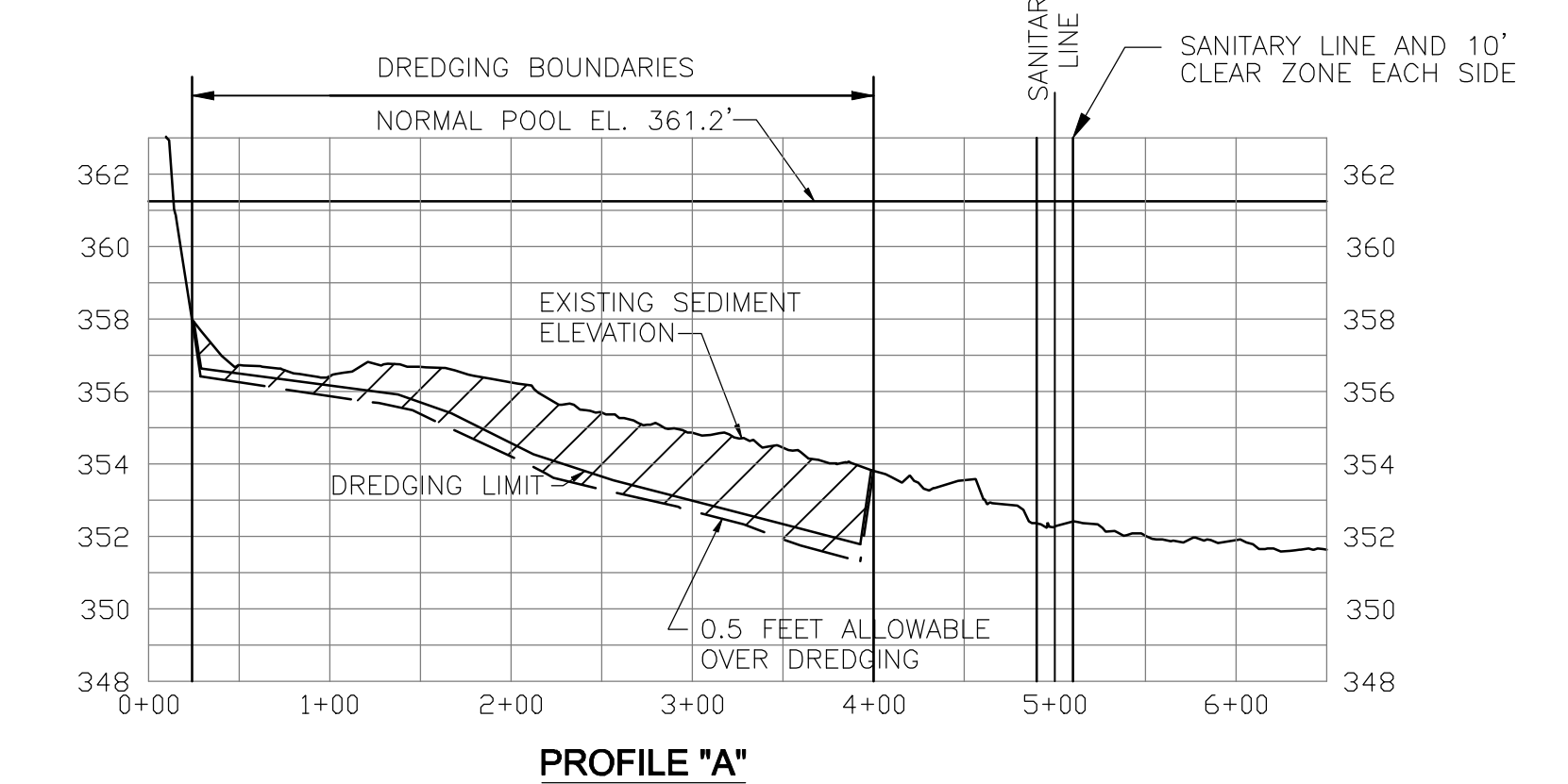
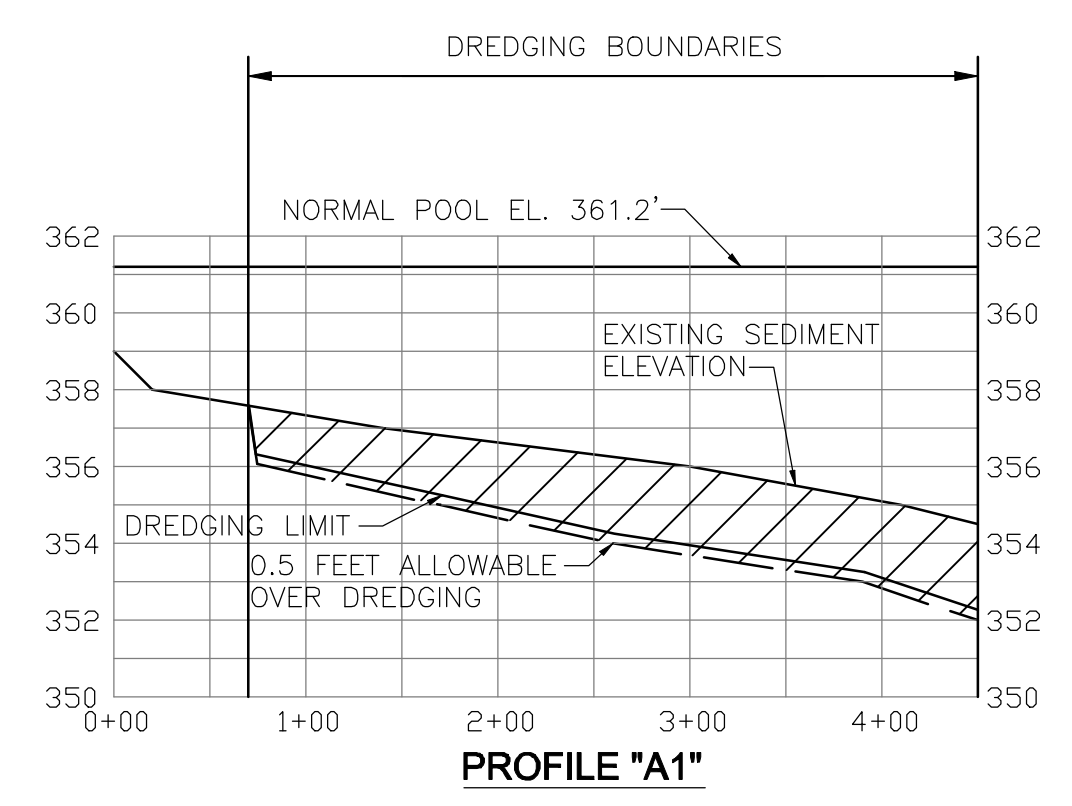
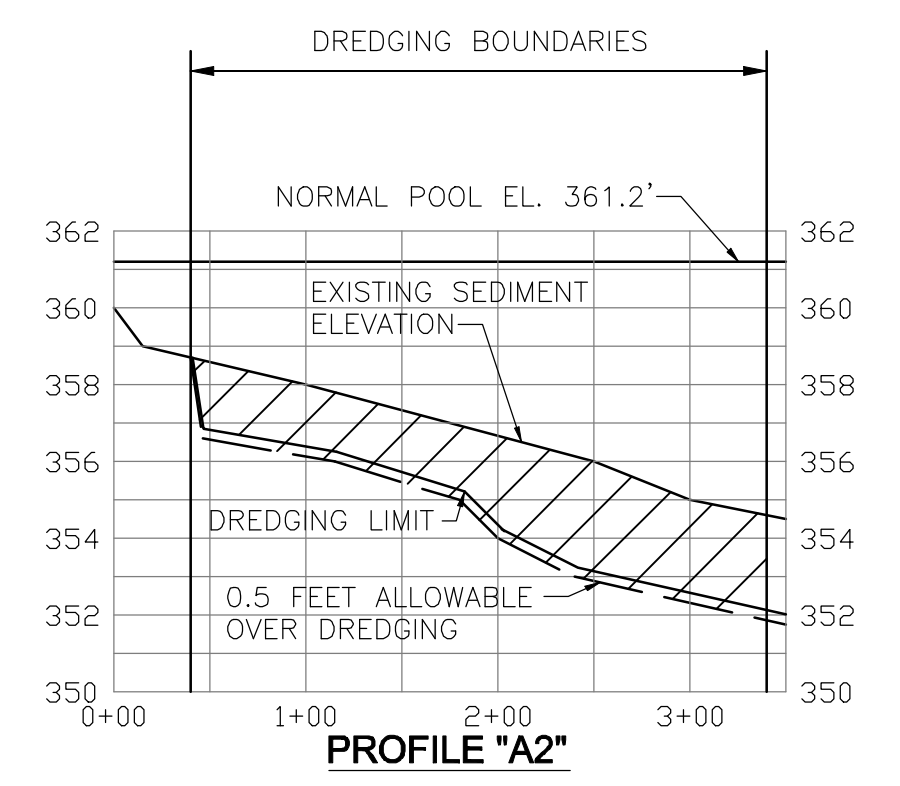
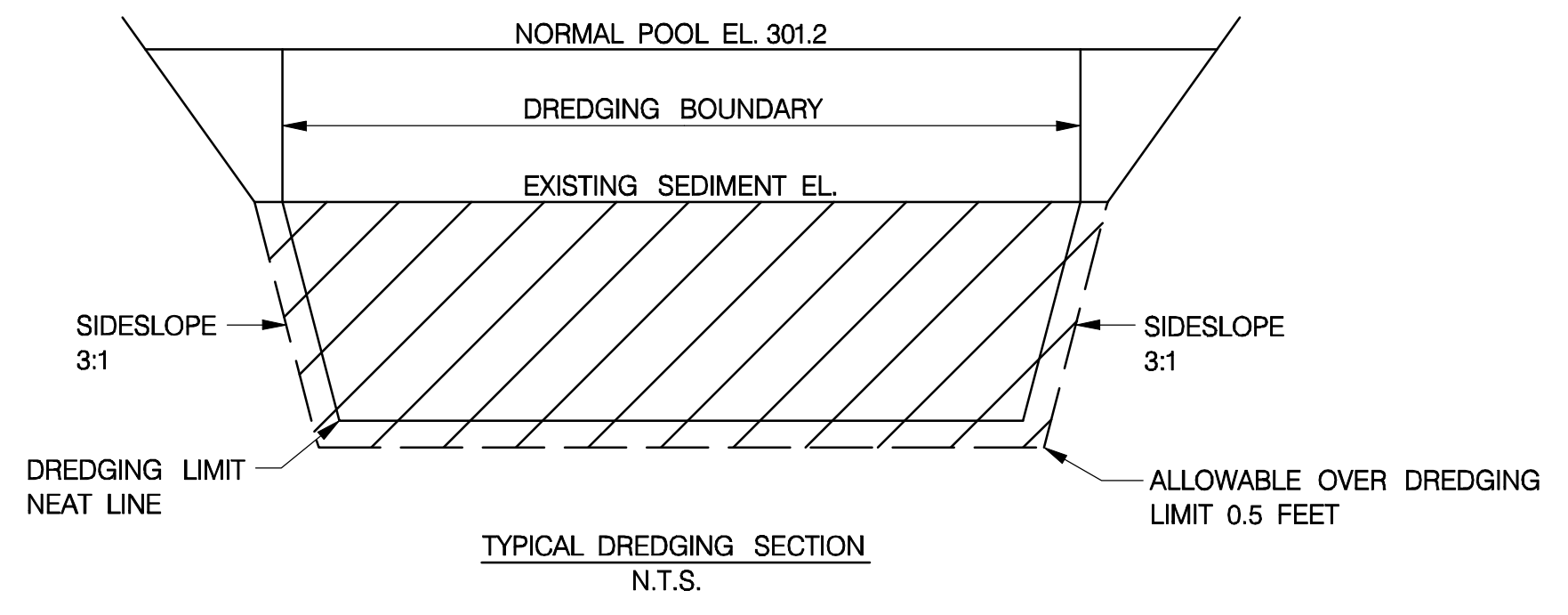
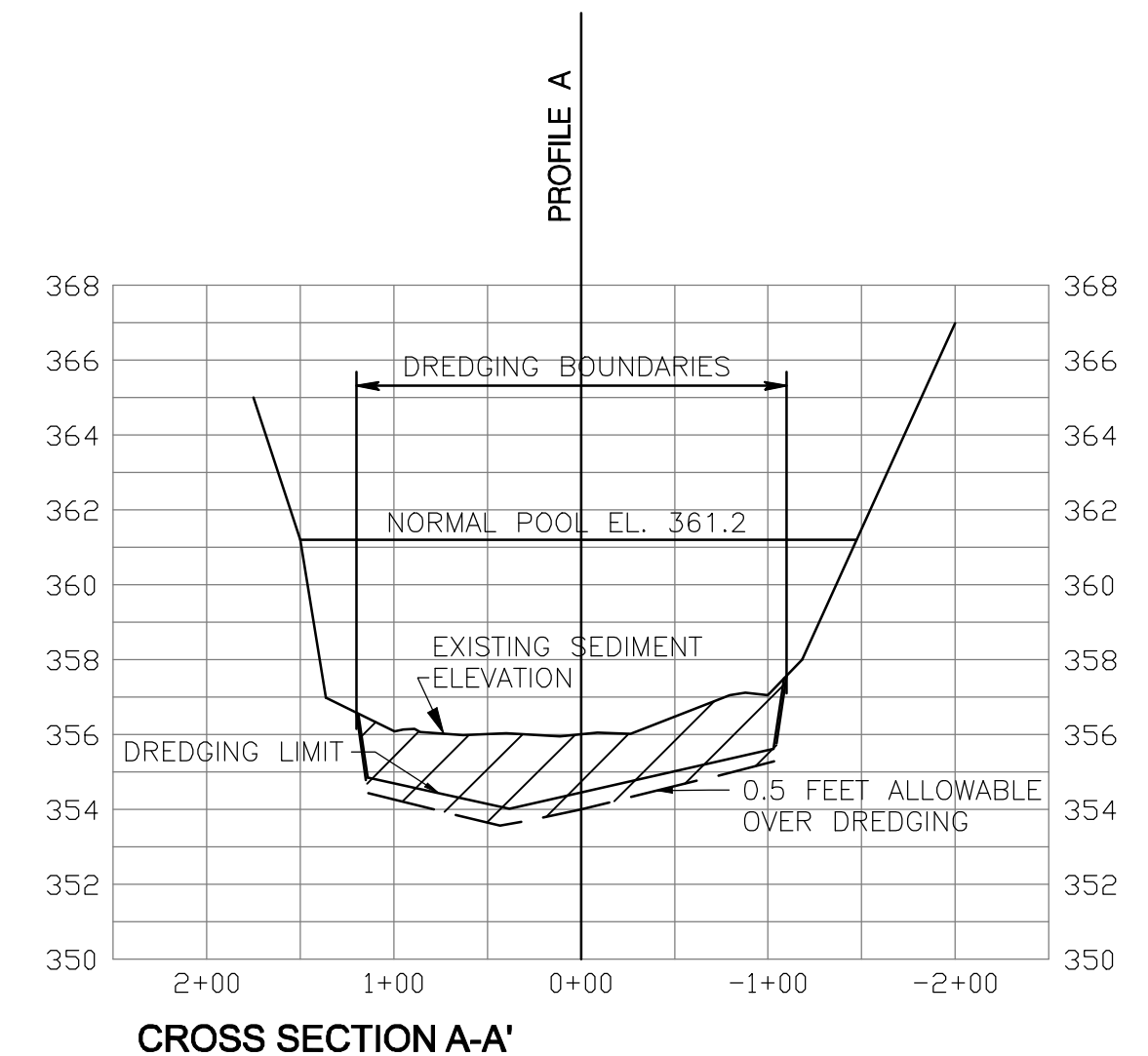




AREA 1 CALCULATED VOLUME TO BE DREDGED IS 3,750 C.Y. AND ALLOWABLE OVER DREDGING VOLUME IS 1,250 C.Y.

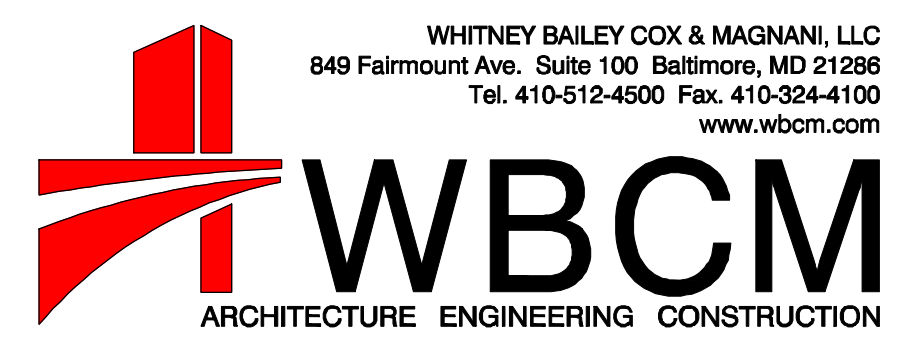
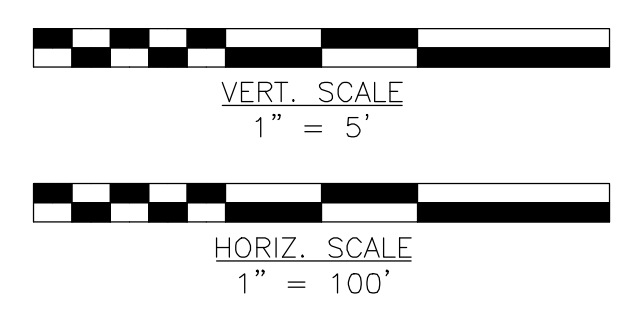
**AREA 1 DREDGING PLAN**  
SCALE: 1" = 100'

PROFILE DATA			
PROFILE	STATION	NORTHING	EASTING
PROFILE 'A'	0+00	N 546,878.49	E 1,254,557.78
	3+60	N 546,561.27	E 1,254,388.15
	6+41	N 546,279.29	E 1,254,413.86
	11+12	N 545,914.16	E 1,254,708.15
PROFILE 'A1'	0+00	N 547,005.14	E 1,254,462.13
	4+50	N 546,561.27	E 1,254,388.15
PROFILE 'A2'	0+00	N 546,764.38	E 1,254,467.31
	4+50	N 546,561.27	E 1,254,388.15



- LEGEND**
- AREA TO BE DREDGED
  - /// SEDIMENT TO BE DREDGED
  - - - SAN - - - SANITARY LINE
  - A - - - A CROSS SECTIONS
  - 1+00 PROFILE BASE LINES
  - - - ALLOWABLE OVER DREDGING LIMIT OF 0.5 FEET
  - DREDGING LIMIT NEATLINE

- NOTES:**
- SEDIMENT TO BE DREDGED IS SHOWN BY DREDGING LIMIT NEATLINE ON THE PROFILES AND CROSS SECTIONS. THE SIDESLOPES FOR THE DREDGING SHALL BE 3:1. THE ALLOWABLE OVER DREDGING LIMIT IS 0.5 FEET ON SIDES AND BOTTOM. (SEE TYPICAL THIS SHEET)
  - THE CALCULATED SEDIMENT VOLUME TO BE DREDGED FROM AREA 1 OF LAKE WHETSTONE IS 3,750 C.Y. AND THE ALLOWABLE OVER DREDGING VOLUME IS 1,250 C.Y. THE TOTAL VOLUME OF SEDIMENT TO BE DREDGED FROM AREA 1 IS LIMITED TO 5,000 C.Y.
  - LOCATION OF SANITARY LINE ALIGNMENT ON PLANS IS APPROXIMATE. CONTRACTOR SHALL CALL MISS UTILITY AT 1-800-275-7777 FORTY-EIGHT HOURS PRIOR TO BEGINNING ANY DREDGING AND CONSTRUCTION TO DETERMINE THE EXACT LOCATION OF THE SANITARY LINE AND OTHER UTILITIES.
  - NO DREDGING, SPUDGING OR ANCHORING IS ALLOWED WITHIN 10 FEET OF THE SANITARY LINE ALIGNMENT SHOWN.



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PROFESSIONAL CERTIFICATION  
I HEREBY CERTIFY THAT DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. \_\_\_\_\_ EXPIRATION DATE: \_\_\_\_\_

MONTGOMERY CO. DEPARTMENT OF PERMITTING SERVICES APPROVED FOR:			NOTE:
Stormwater Management:	Sediment Control Technical Requirements:	Administrative Requirements:	
Reviewed _____ Date _____	Reviewed _____ Date _____	Reviewed _____ Date _____	
Approved _____ Date _____	Reviewed _____ Date _____	SEDIMENT CONTROL PERMIT NO. _____	
S.M. FILE NO. _____			

NO.	REVISION	DATE	BY

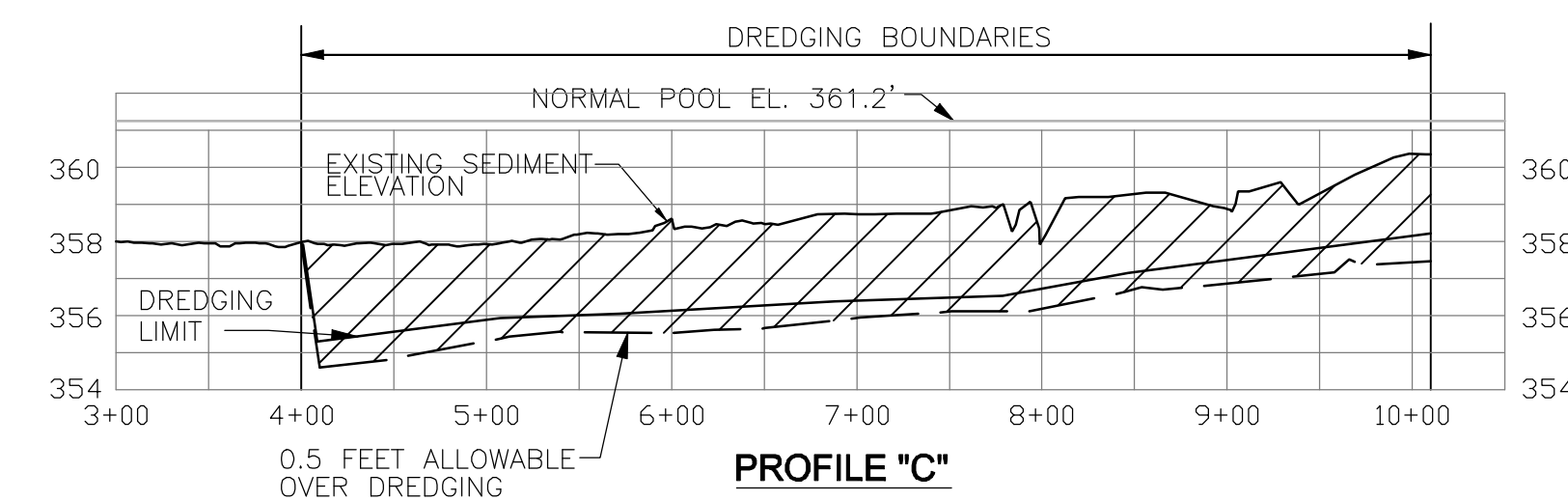
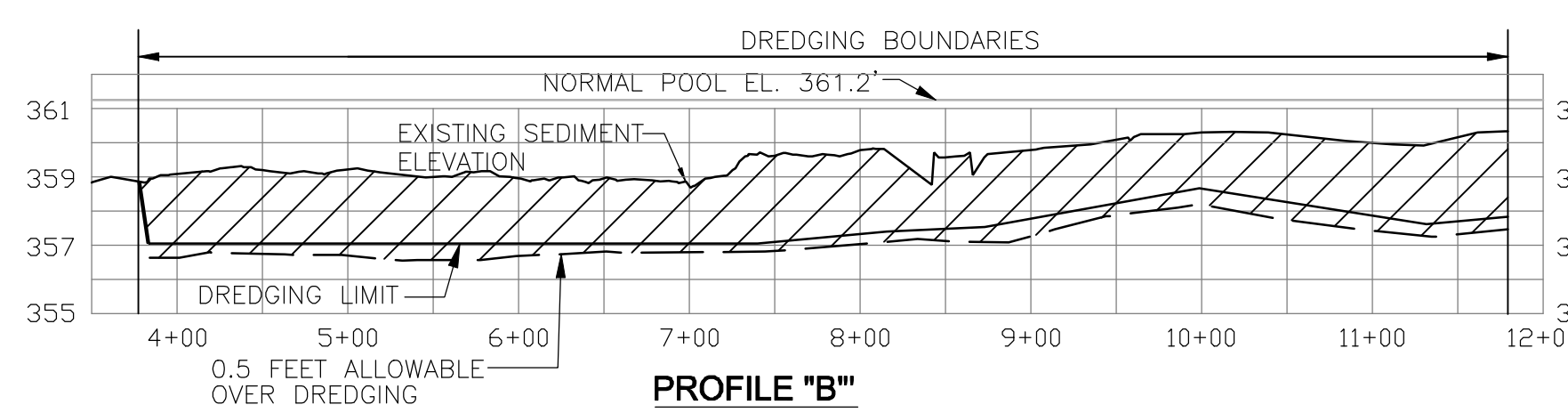
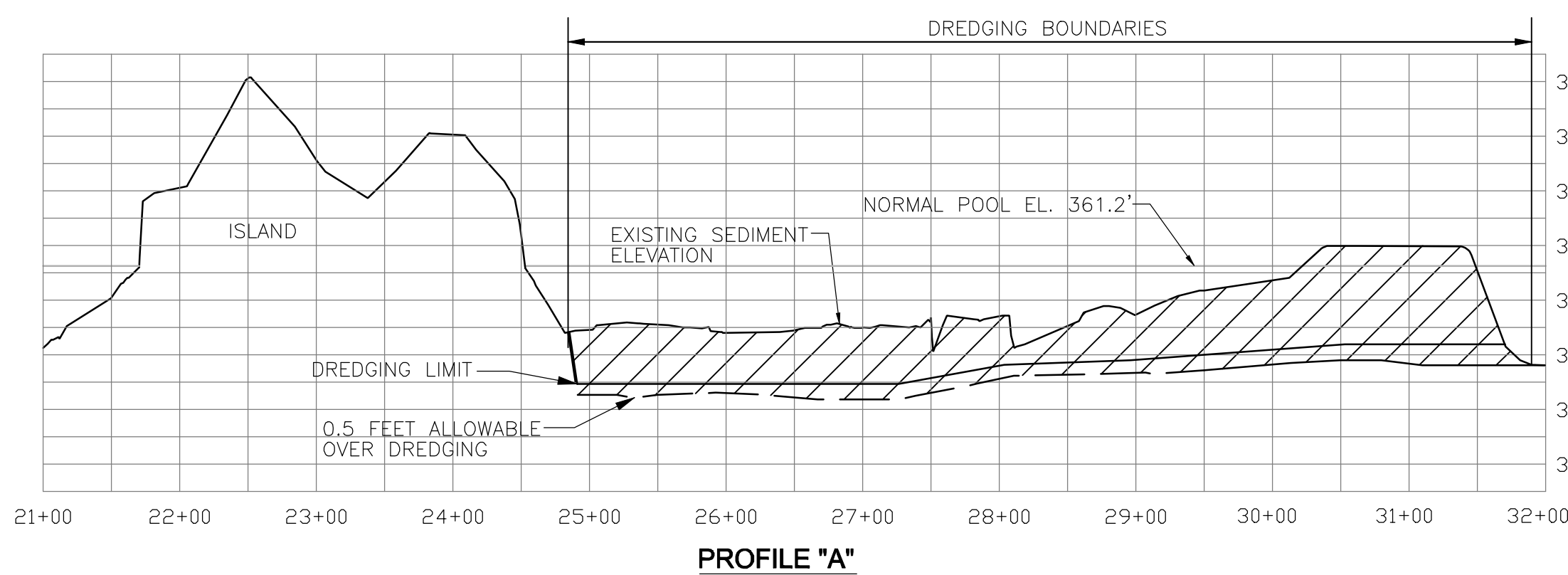
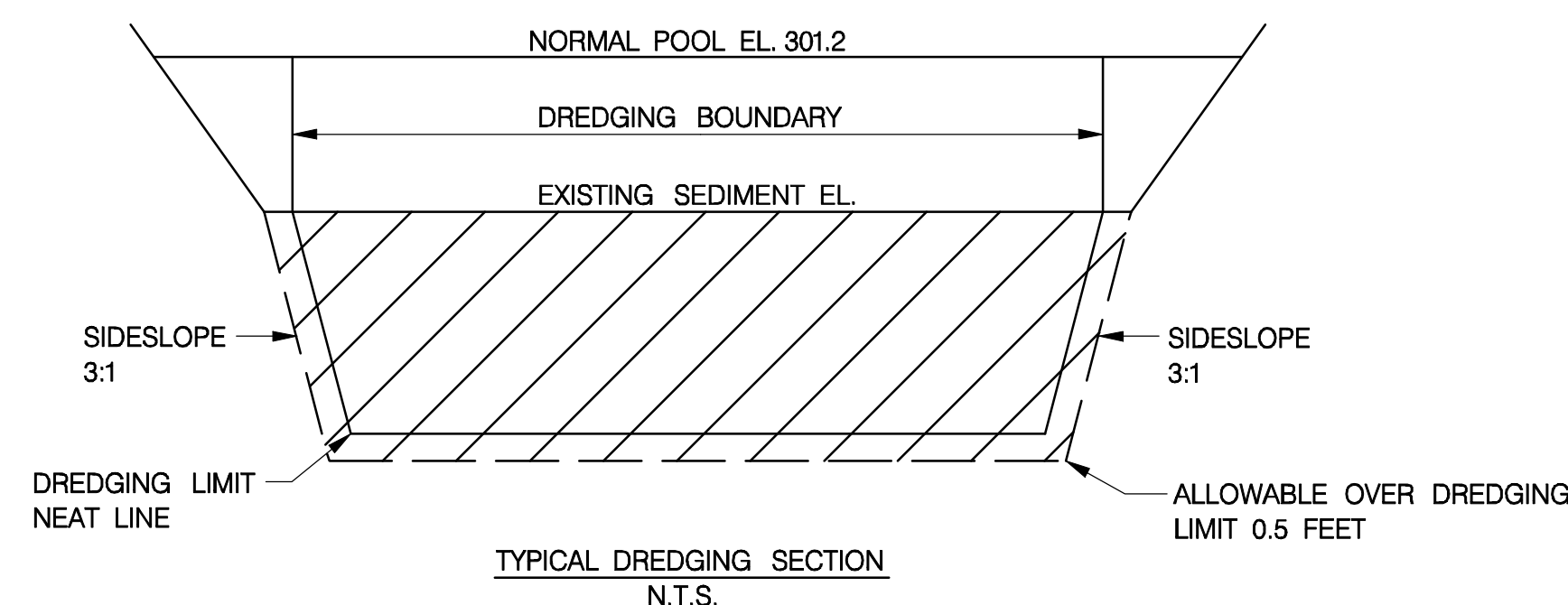
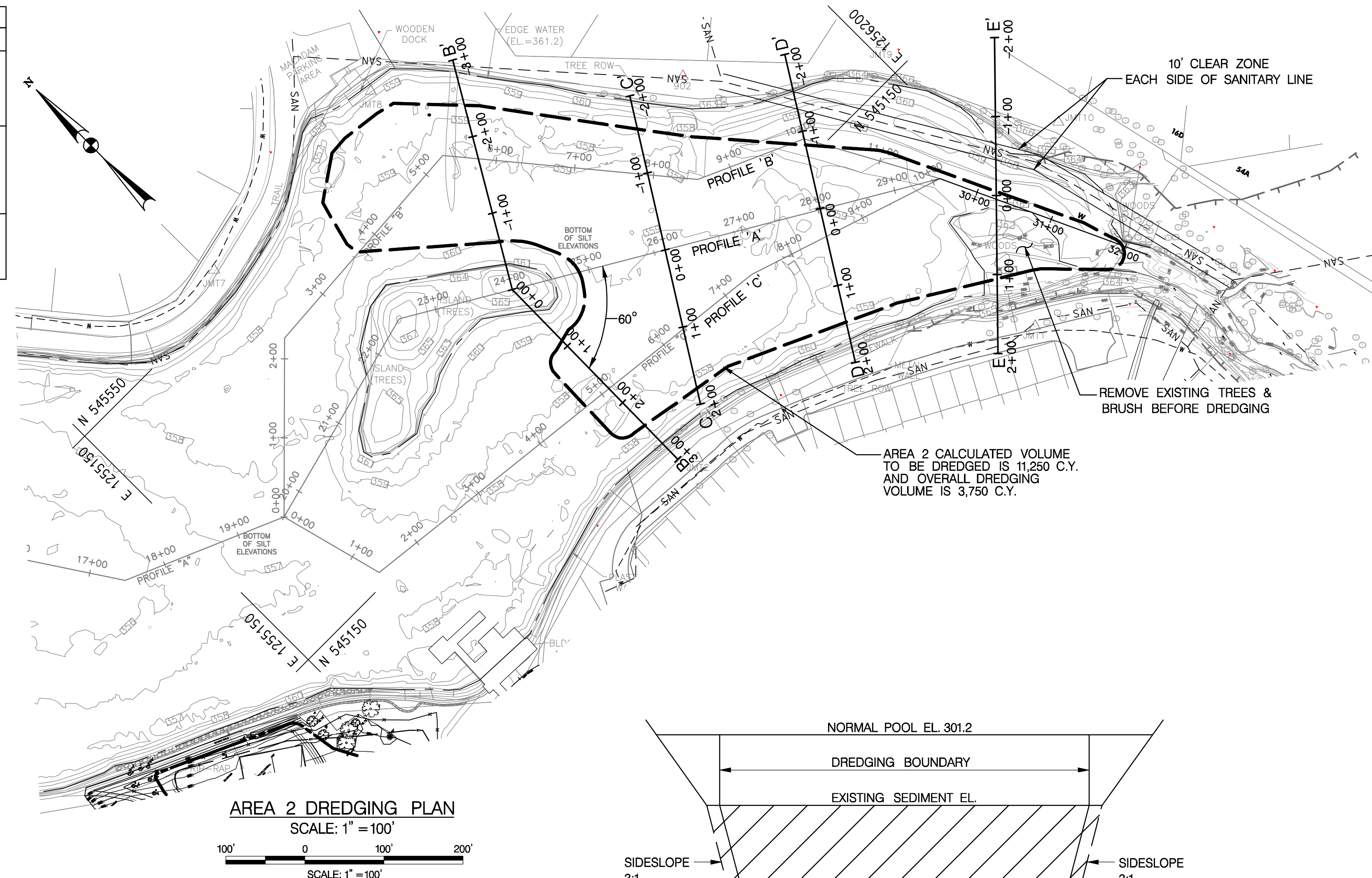
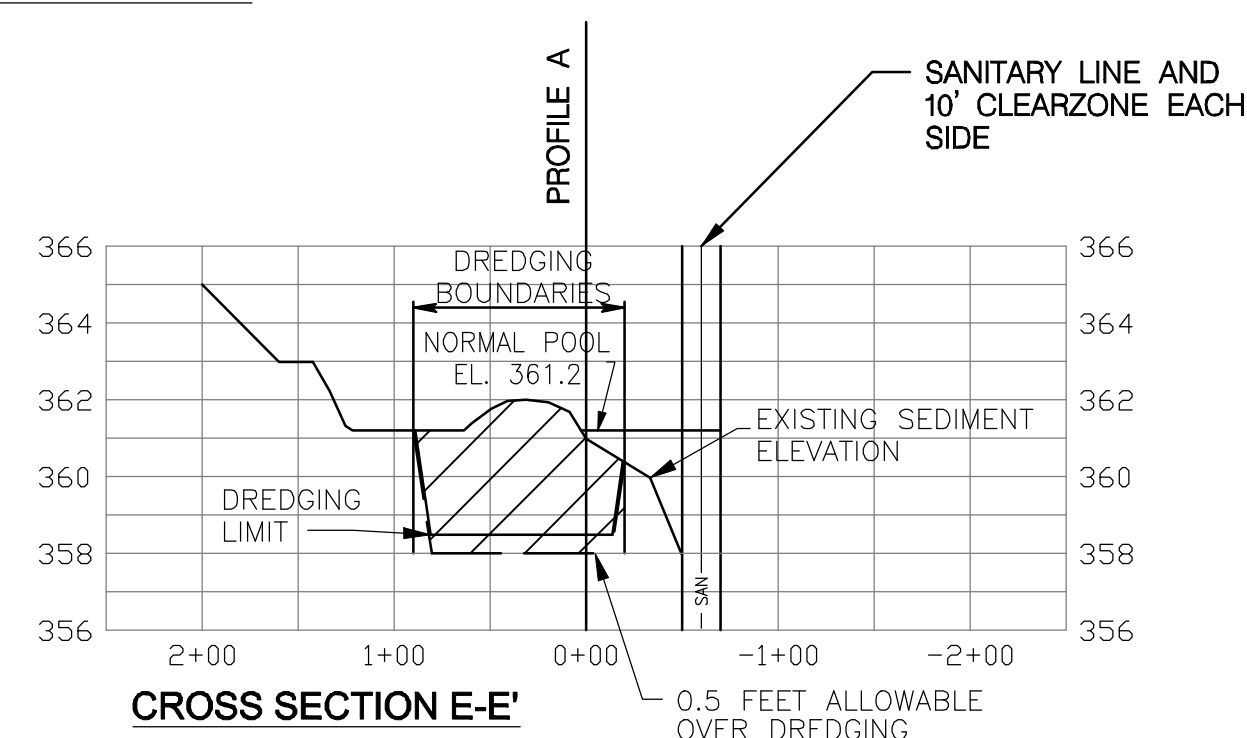
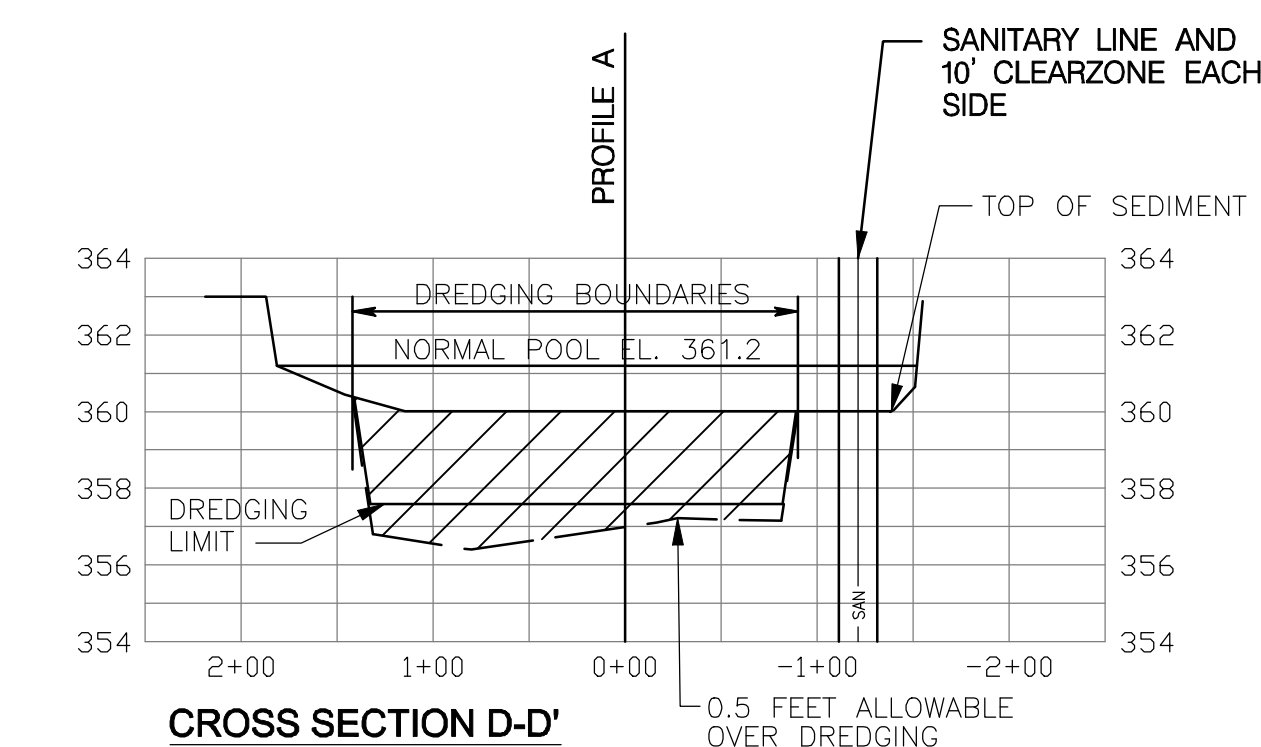
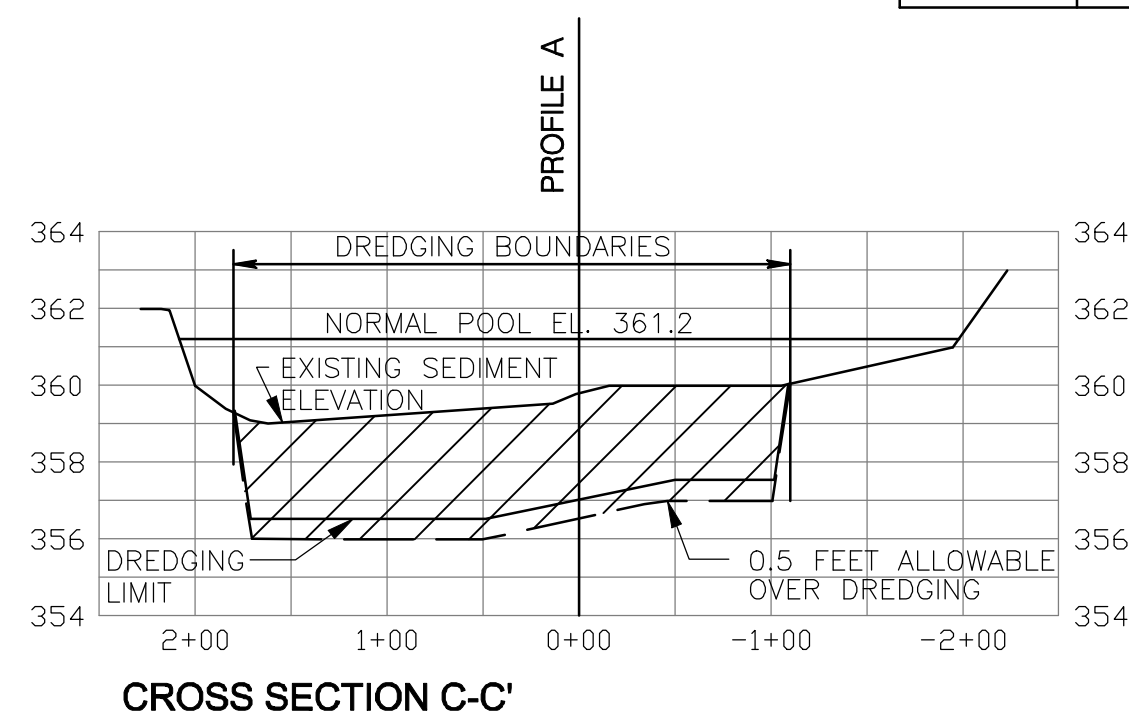
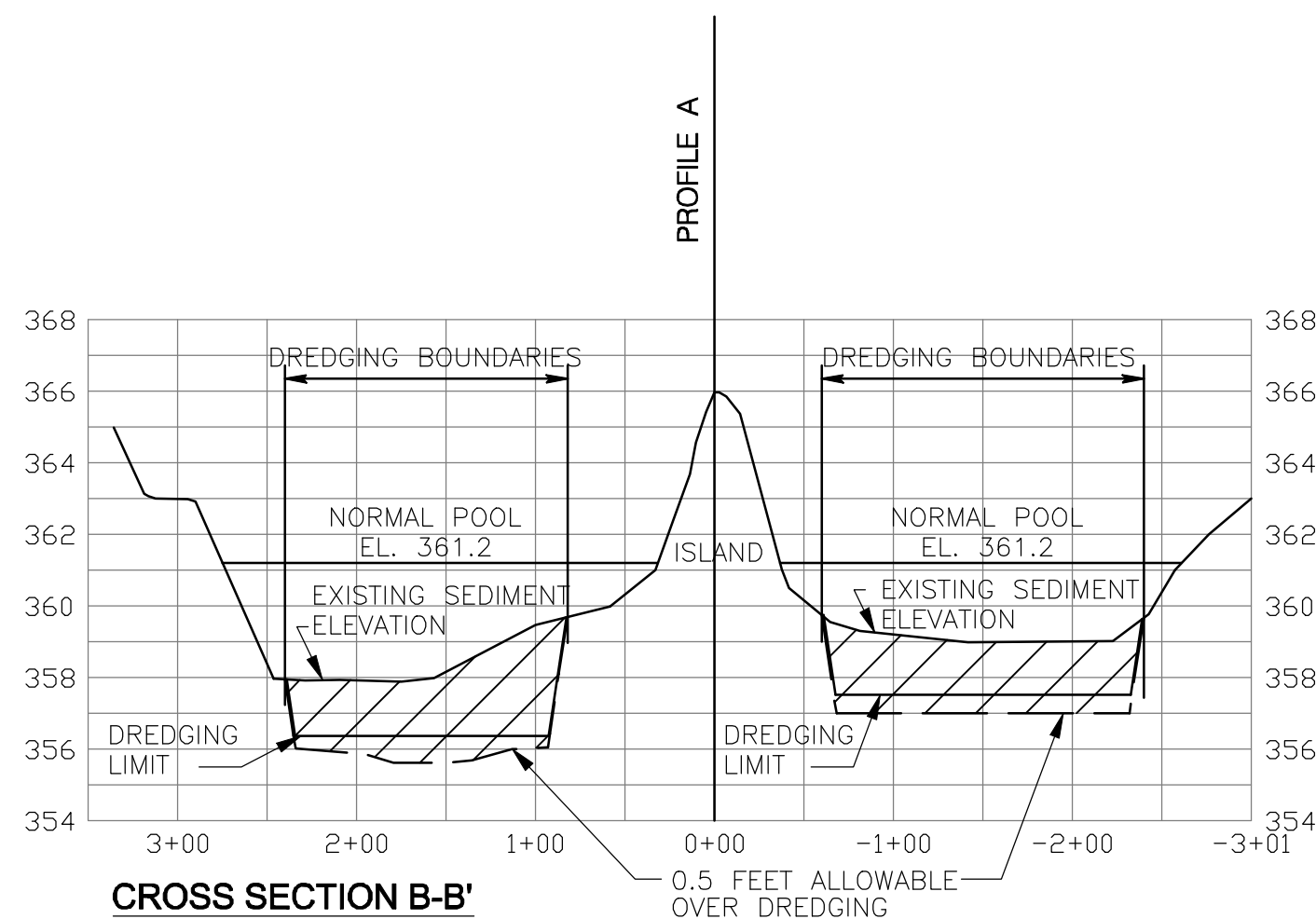
MONTGOMERY COUNTY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
ROCKVILLE, MARYLAND

**LAKE WHETSTONE  
MAINTENANCE BY HYDRAULIC DREDGING  
AREA 1 DREDGING PLAN /PROFILES  
AND CROSS SECTIONS**

Project No.: \_\_\_\_\_ SHEET 6 of 10



PROFILE DATA			
PROFILE	STATION	NORTHING	EASTING
PROFILE 'A'	17+45	N 545,384.87	E 1,255,-56.95
	19+62	N 545,299.26	E 1,255,256.11
	22+50	N 545,373.54	E 1,255,538.40
	29+59	N 545,015.33	E 1,256,145.48
	32+00	N 544,762.44	E 1,256,262.88
PROFILE 'B'	0+00	N 545,299.26	E 1,255,256.11
	2+27	N 545,458.96	E 1,255,416.68
	5+30	N 545,481.11	E 1,255,721.38
	8+57	N 545,231.21	E 1,255,928.26
	10+00	N 545,172.52	E 1,256,059.61
PROFILE 'C'	0+00	N 545,299.26	E 1,255,256.11
	1+37	N 545,164.68	E 1,255,291.47
	7+42	N 545,098.11	E 1,255,891.03
	10+10	N 545,015.33	E 1,256,145.48



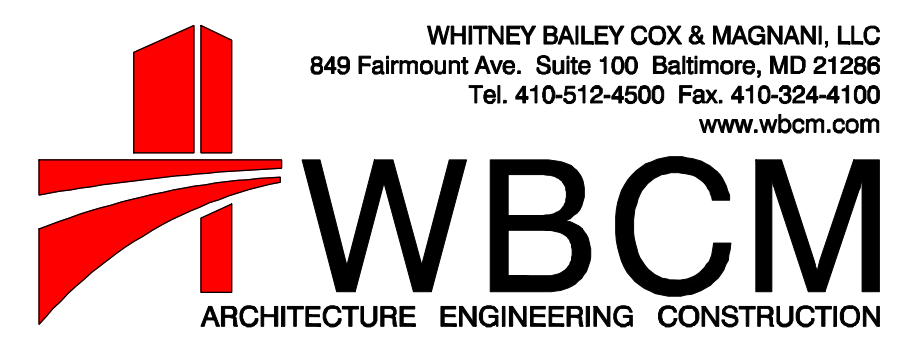
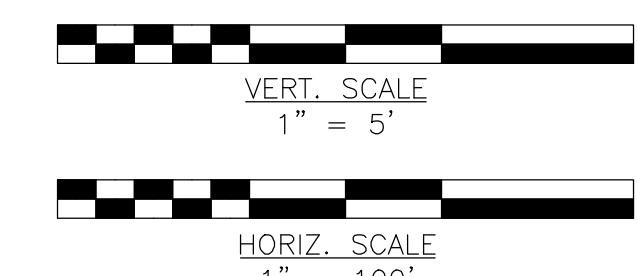
NOTES:

- SEDIMENT TO BE DREDGED IS SHOWN BY DREDGING LIMIT NEATLINE ON THE PROFILES AND CROSS SECTIONS. THE SIDESLOPES FOR THE DREDGING SHALL BE 3:1. THE ALLOWABLE OVER DREDGING LIMIT IS 0.5 FEET ON SIDES AND BOTTOM. (SEE TYPICAL THIS SHEET)
- THE CALCULATED SEDIMENT VOLUME TO BE DREDGED FROM AREA 1 OF LAKE WHETSTONE IS 11,250 C.Y. AND THE ALLOWABLE OVER DREDGING VOLUME IS 3,700 C.Y. THE TOTAL VOLUME OF SEDIMENT TO BE DREDGED FROM AREA 1 IS LIMITED TO 15,000 C.Y.
- LOCATION OF SANITARY LINE ALIGNMENT ON PLANS IS APPROXIMATE. CONTRACTOR SHALL CALL MISS UTILITY AT 1-800-275-7777 FORTY-EIGHT HOURS PRIOR TO BEGINNING ANY DREDGING AND CONSTRUCTION TO DETERMINE THE EXACT LOCATION OF THE SANITARY LINE AND OTHER UTILITIES.
- NO DREDGING, SPUDGING OR ANCHORING IS ALLOWED WITHIN 10 FEET OF THE SANITARY LINE ALIGNMENT SHOWN.

LEGEND

- AREA TO BE DREDGED
- SEDIMENT TO BE DREDGED
- SAN - SANITARY LINE
- A - CROSS SECTIONS
- 1+00 - PROFILE BASE LINES
- ALLOWABLE OVER DREDGING LIMIT OF 0.5 FEET
- DREDGING LIMIT NEATLINE

PROFILES AND CROSS SECTIONS



PROFESSIONAL CERTIFICATION  
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MONTGOMERY CO. DEPARTMENT OF PERMITTING SERVICES APPROVED FOR:		NOTE:
Stormwater Management:	Sediment Control Technical Requirements:	Administrative Requirements:
Reviewed _____ Date _____	Reviewed _____ Date _____	Reviewed _____ Date _____
Approved _____ Date _____	Reviewed _____ Date _____	SEDIMENT CONTROL PERMIT NO. _____
S.M. FILE NO. _____		MDCPS APPROVAL OF PLAN WILL EXPIRE ONE YEAR FROM THE DATE OF APPROVAL IF THE PROJECT HAS NOT STARTED - UNLESS THE PERMIT HAS BEEN EXTENDED.

NO.	REVISION	DATE	BY

MONTGOMERY COUNTY  
 DEPARTMENT OF ENVIRONMENTAL PROTECTION  
 ROCKVILLE, MARYLAND

**LAKE WHETSTONE  
 MAINTENANCE BY HYDRAULIC DREDGING**

AREA 2 DREDGING PLAN /PROFILES AND CROSS SECTIONS

Project No.: \_\_\_\_\_ SHEET 7 of 10



# EROSION AND SEDIMENT CONTROL – GENERAL NOTES

- THE PERMITTEE SHALL NOTIFY THE DEPARTMENT OF PERMITTING SERVICES (DPS) FORTY-EIGHT (48) HOURS BEFORE COMMENCING ANY LAND DISTURBING ACTIVITY AND, UNLESS WAIVED BY THE DEPARTMENT, SHALL BE REQUIRED TO HOLD A PRE-CONSTRUCTION MEETING BETWEEN HIMSELF OR HIS REPRESENTATIVE AND AN AUTHORIZED REPRESENTATIVE OF THE DEPARTMENT.
- THE PERMITTEE MUST OBTAIN INSPECTION AND APPROVAL BY THE DPS AT THE FOLLOWING POINTS:
  - AT THE REQUIRED PRE-CONSTRUCTION MEETING.
  - FOLLOWING INSTALLATION OF SEDIMENT CONTROL MEASURES AND PRIOR TO ANY OTHER LAND DISTURBING ACTIVITY.
  - DURING THE INSTALLATION OF A SEDIMENT BASIN OR STORMWATER MANAGEMENT STRUCTURE AT THE REQUIRED INSPECTION POINTS (SEE INSPECTION CHECKLIST ON PLAN). NOTIFICATION PRIOR TO COMMENCING CONSTRUCTION IS MANDATORY.
  - PRIOR TO REMOVAL OR MODIFICATION OF ANY SEDIMENT CONTROL STRUCTURE(S).
  - PRIOR TO FINAL ACCEPTANCE.
- THE PERMITTEE SHALL CONSTRUCT ALL EROSION AND SEDIMENT CONTROL MEASURES PER THE APPROVED PLAN AND CONSTRUCTION SEQUENCE. SHALL HAVE THEM INSPECTED AND APPROVED BY THE DEPARTMENT PRIOR TO BEGINNING ANY OTHER LAND DISTURBANCES. SHALL ENSURE THAT ALL RUNOFF FROM DISTURBED AREAS IS DIRECTED TO THE SEDIMENT CONTROL DEVICES, AND SHALL NOT REMOVE ANY EROSION OR SEDIMENT CONTROL MEASURE WITHOUT PRIOR PERMISSION FROM THE DEPARTMENT.
- THE PERMITTEE SHALL PROTECT ALL POINTS OF CONSTRUCTION INGRESS AND EGRESS TO PREVENT THE DEPOSITION OF MATERIALS ONTO TRAVERSED PUBLIC THOROUGHFARE(S). ALL MATERIALS DEPOSITED ONTO PUBLIC THOROUGHFARE(S) SHALL BE REMOVED IMMEDIATELY.
- THE PERMITTEE SHALL INSPECT PERIODICALLY AND MAINTAIN CONTINUOUSLY IN EFFECTIVE OPERATING CONDITION, ALL EROSION AND SEDIMENT CONTROL MEASURES UNTIL SUCH TIMES AS THEY ARE REMOVED WITH PRIOR PERMISSION FROM THE DEPARTMENT. THE PERMITTEE IS RESPONSIBLE FOR IMMEDIATELY REPAIRING OR REPLACING ANY SEDIMENT CONTROL MEASURES WHICH HAVE BEEN DAMAGED OR REMOVED BY THE PERMITTEE OR ANY OTHER PERSON.
- ALL SEDIMENT BASINS, TRAP EMBANKMENTS, PERIMETER DIKES, AND ALL DISTURBED SLOPES STEEPER OR EQUAL TO 3:1 SHALL BE STABILIZED WITH SOD, SEED, AND ANCHORED STRAW MULCH, OR OTHER APPROVED STABILIZATION MEASURES, WITHIN SEVEN (7) CALENDAR DAYS OF ESTABLISHMENT. ALL AREAS DISTURBED OUTSIDE OF THE PERIMETER SEDIMENT CONTROL SYSTEM MUST BE MINIMIZED AND STABILIZED IMMEDIATELY. MAINTENANCE MUST BE PERFORMED AS NECESSARY TO ENSURE CONTINUED STABILIZATION.
- THE PERMITTEE SHALL APPLY SOD, SEED, AND ANCHORED STRAW MULCH, OR OTHER APPROVED STABILIZATION MEASURES TO ALL DISTURBED AREAS WITHIN FOURTEEN (14) CALENDAR DAYS AFTER STRIPPING AND GRADING ACTIVITIES HAS CEASED ON THAT AREA. MAINTENANCE SHALL BE PERFORMED AS NECESSARY TO ENSURE CONTINUED STABILIZATION. ACTIVE CONSTRUCTION AREAS, SUCH AS BORROW OR STOCKPILE AREAS, ROADWAY IMPROVEMENTS, AND AREAS WITHIN FIFTY (50) FEET OF A BUILDING UNDER CONSTRUCTION MAY BE EXEMPT FROM THIS REQUIREMENT, PROVIDED THAT EROSION AND SEDIMENT CONTROL MEASURES ARE INSTALLED AND MAINTAINED TO PROTECT THOSE AREAS.
- PRIOR TO REMOVAL OF SEDIMENT CONTROL MEASURES, THE PERMITTEE SHALL STABILIZED ALL CONTRIBUTORY DISTURBED AREAS USING SOD OR AN APPROVED PERMANENT SEED MIXTURE WITH REQUIRED SOIL AMENDMENTS AND AN APPROVED ANCHORED MULCH. WOOD FIBER MULCH MAY ONLY BE USED IN SEEDING SEASON WHEN THE SLOPE DOES NOT EXCEED 10% AND GRADING HAS BEEN DONE TO PROMOTE SHEET FLOW DRAINAGE AREAS BROUGHT TO FINISHED GRADE DURING THE SEEDING SEASON SHALL BE PERMANENTLY STABILIZED WITHIN FOURTEEN (14) CALENDAR DAYS OF ESTABLISHMENT. WHEN PROPERTY IS BROUGHT TO FINISHED GRADE DURING THE MONTHS OF NOVEMBER THROUGH FEBRUARY, AND PERMANENT STABILIZATION IS FOUND TO BE IMPRACTICAL, AN APPROVED TEMPORARY SEED AND STRAW ANCHORED MULCH SHALL BE APPLIED TO DISTURBED AREAS. THE FINAL PERMANENT STABILIZATION OF SUCH PROPERTY SHALL BE COMPLETED PRIOR TO THE FOLLOWING APRIL 15.
- THE SITE, WORK, MATERIALS, APPROVED SC&M PLANS, AND TEST REPORTS SHALL BE AVAILABLE AT THE SITE FOR INSPECTION BY DULY AUTHORIZED OFFICIALS OF THE MONTGOMERY COUNTY.
- SURFACE DRAINAGE FLOWS OVER UNSTABILIZED CUT AND FILL SLOPES SHALL BE CONTROLLED BY EITHER PREVENTING DRAINAGE FLOWS FROM TRAVERSING THE SLOPES OR BY INSTALLING MECHANICAL DEVICES TO LOWER THE WATER DOWNSLOPE WITHOUT CAUSING EROSION. DIKES SHALL BE INSTALLED AND MAINTAINED AT THE TOP OF CUT OR FILL SLOPES UNTIL THE SLOPE AND DRAINAGE ARE TO IT ARE FULLY STABILIZED, AT WHICH TIME THEY MUST BE REMOVED AND FINAL GRADING DONE TO PROMOTE SHEET SLOW DRAINAGE. MECHANICAL DEVICES MUST BE PROVIDED AT POINTS OF CONCENTRATED FLOW WHERE EROSION IS LIKELY TO OCCUR.
- PERMANENT SWALES OR OTHER POINTS OF CONCENTRATED WATER FLOW SHALL BE STABILIZED WITHIN 7 CALENDAR DAYS OF ESTABLISHMENT WITH SOD OR SEED WITH AN APPROVED EROSION CONTROL MATTING OR BY OTHER APPROVED STABILIZATION MEASURES.
- TEMPORARY SEDIMENT CONTROL DEVICES SHALL BE REMOVED, WITH PERMISSION OF THE DEPARTMENT, WITHIN THIRTY (30) CALENDAR DAYS FOLLOWING ESTABLISHMENT OF PERMANENT STABILIZATION IN ALL CONTRIBUTORY DRAINAGE AREAS. STORMWATER MANAGEMENT STRUCTURES USED TEMPORARILY FOR SEDIMENT CONTROL SHALL BE CONVERTED TO THE PERMANENT CONFIGURATION WITHIN THIS TIME PERIOD AS WELL.
- NO PERMANENT CUT OR FILL SLOPE WITH A GRADIENT STEEPER THAN 3:1 WILL BE PERMITTED IN LAWN MAINTENANCE AREAS. A SLOPE GRADIENT OF UP TO 2:1 WILL BE PERMITTED IN NON-MAINTENANCE AREAS PROVIDED THAT THOSE AREAS ARE INDICATED ON THE EROSION AND SEDIMENT CONTROL PLAN WITH A LOW-MAINTENANCE GROUP COVER SPECIFIED FOR PERMANENT STABILIZATION. SLOPE GRADIENT STEEPER THAN 2:1 WILL NOT BE PERMITTED WITH VEGETATIVE STABILIZATION.
- THE PERMITTEE SHALL INSTALL A SPLASHBLOCK AT THE BOTTOM OF EACH DOWNSPOUT UNLESS THE DOWNSPOUT IS CONNECTED BY A DRAIN LINE TO AN ACCEPTABLE OUTLET.
- FOR FINISHED GRADING, THE PERMITTEE SHALL PROVIDE ADEQUATE GRADIENTS SO AS TO PREVENT WATER FROM STANDING ON THE SURFACE OF LAWNS MORE THAN TWENTY-FOUR (24) HOURS AFTER THE END OF A RAINFALL, EXCEPT IN DESIGNATED DRAINAGE COURSES AND SWALE FLOW AREAS, WHICH MAY DRAIN AS LONG AS FORTY-EIGHT (48) HOURS AFTER THE END OF A RAINFALL.
- SEDIMENT TRAPS OR BASINS ARE NOT PERMITTED WITHIN 20 FEET OF A BUILDING WHICH IS EXISTING OR UNDER CONSTRUCTION. NO BUILDING MAY BE CONSTRUCTED WITHIN 20 FEET OF A SEDIMENT TRAP OR BASIN.
- ALL INLETS IN NON-SUMP AREAS SHALL HAVE ASPHALT BERMS INSTALLED AT THE TIME OF BASE PAVING ESTABLISHMENT.
- THE SEDIMENT CONTROL INSPECTOR HAS THE OPTION OF REQUIRING ADDITIONAL SEDIMENT CONTROL MEASURES, IF DEEMED NECESSARY.
- ALL TRAP ELEVATIONS ARE RELATIVE TO THE OUTLET ELEVATION, WHICH MUST BE ON EXISTING UNDISTURBED GROUND.
- VEGETATIVE STABILIZATION SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 20.0 OF THE STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
- TEMPORARY SEDIMENT TRAP(S) SHALL BE CLEANED OUT AND RESTORED TO THE ORIGINAL DIMENSIONS WHEN SEDIMENT HAS ACCUMULATED TO A POINT ONE-HALF (1/2) THE DEPTH BETWEEN THE OUTLET CREST AND THE BOTTOM OF THE TRAP OR AS REQUIRED BY THE SEDIMENT CONTROL INSPECTOR.
- SEDIMENT REMOVED FROM TRAPS SHALL BE PLACED AND STABILIZED IN APPROVED AREAS, BUT NOT WITHIN A FLOODPLAIN.
- ALL SEDIMENT BASINS AND TRAPS MUST BE SURROUNDED WITH A WELDED WIRE SAFETY FENCE. THE FENCE MUST BE AT LEAST 42 INCHES HIGH, HAVE POSTS SPACED NO FARTHER APART THEN 8 FEET, HAVE MESH OPENINGS NO GREATER THAN TWO INCHES IN WIDTH AND FOUR INCHES IN HEIGHT, WITH A MINIMUM OF 14 GAUGE WIRE. SAFETY FENCE MUST BE MAINTAINED IN GOOD CONDITION AT ALL TIMES.
- NO EXCAVATION IN THE AREAS OF EXISTING UTILITIES IS PERMITTED UNLESS THEIR LOCATION HAS BEEN DETERMINED. CALL "MISS UTILITY" AT 1-800-257-7777, 48 HOURS PRIOR TO THE START OF WORK.
- OFF-SITE SPOIL OR BORROW AREAS MUST HAVE PRIOR APPROVAL BY DPS.

- SEDIMENT TRAP/BASIN DEWATERING FOR CLEANOUT OR REPAIR MAY ONLY BE DONE WITH THE DPS INSPECTOR'S PERMISSION. THE INSPECTOR MUST APPROVE THE DEWATERING METHOD FOR EACH APPLICATION. THE FOLLOWING METHODS MAY BE CONSIDERED:
  - PUMP DISCHARGE MAY BE DIRECTED TO ANOTHER ON-SITE SEDIMENT TRAP OR BASIN PROVIDED IT IS OF SUFFICIENT VOLUME AND THE PUMP INTAKE IS FLOATED TO PREVENT AGITATION OR SUCTION OF DEPOSITED SEDIMENTS; OR
  - THE PUMP INTAKE MAY UTILIZE A REMOVABLE PUMPING STATION AND MUST DISCHARGE INTO AN UNDISTURBED AREA THROUGH A NON-EROSIVE OUTLET; OR
  - THE PUMP INTAKE MAY BE FLOATED AND DISCHARGE INTO A DIRT BAG (12 OZ. NON-WOVEN FABRIC) OR APPROVED EQUIVALENT, LOCATED IN AN UNDISTURBED BUFFER AREA. REMEMBER: DEWATERING OPERATION AND METHOD MUST HAVE A PRIOR APPROVAL BY THE DPS INSPECTOR.
- THE PERMITTEE MUST NOTIFY THE DEPARTMENT OF ALL UTILITY CONSTRUCTION ACTIVITIES WITHIN THE PERMITTED LIMITS OF DISTURBANCE PRIOR TO THE COMMENCEMENT OF THOSE ACTIVITIES.
- TOPSOIL MUST BE APPLIED TO ALL PVIOUS AREAS WITHIN THE LIMITS OF DISTURBANCE PRIOR TO PERMANENT STABILIZATION IN ACCORDANCE WITH MONTGOMERY COUNTY STANDARDS AND SPECIFICATIONS FOR TOPSOILING.

## STANDARDS AND SPECIFICATIONS FOR TOPSOIL

DEFINITION  
PLACEMENT OF TOPSOIL OVER A PREPARED SUBSOIL PRIOR TO ESTABLISHMENT OF PERMANENT VEGETATION.

PURPOSE  
TO PROVIDE A SUITABLE SOIL MEDIUM FOR VEGETATIVE GROWTH. SOILS OF CONCERN HAVE LOW MOISTURE CONTENT, LOW NUTRIENT LEVELS, LOW PH, MATERIALS TOXIC TO PLANTS, AND/OR UNACCEPTABLE SOIL GRADATION.

CONDITIONS WHERE PRACTICE APPLIES  
THIS PRACTICE IS LIMITED TO AREAS HAVING 2:1 OR FLATTER SLOPES. FOR THE PURPOSE OF THESE STANDARDS AND SPECIFICATIONS, AREAS HAVING SLOPES STEEPER THAN 2:1 REQUIRE SPECIAL CONSIDERATION AND DESIGN FOR ADEQUATE STABILIZATION. AREAS HAVING SLOPES STEEPER THAN 2:1 SHALL HAVE THE APPROPRIATE STABILIZATION SHOWN ON THE PLANS.

## CONSTRUCTION AND MATERIAL SPECIFICATIONS

TOPSOIL SALVAGED FROM THE EXISTING SITE MAY BE USED PROVIDED THAT IT MEETS THE STANDARDS AS SET FORTH IN THESE SPECIFICATIONS. TOPSOIL SPECIFICATIONS – SOIL TO BE USED AS TOPSOIL MUST MEET THE FOLLOWING:

- TOPSOIL SHALL BE A LOAM, SANDY LOAM, CLAY LOAM, SILT LOAM, SANDY CLAY LOAM, LOAMY SAND. OTHER SOILS MAY BE USED IF RECOMMENDED BY AN AGRONOMIST OR SOIL SCIENTIST AND APPROVED BY DPS. REGARDLESS, TOPSOIL SHALL NOT BE A MIXTURE OF CONTRASTING TEXTURED SUBSOILS, AND SHALL CONTAIN LESS THAN 5 % BY VOLUME OF CINDERS, STONES, SLAG, COARSE FRAGMENTS, GRAVEL, STICKS, ROOTS, TRASH, OR OTHER MATERIALS LARGER THAN 1 1/2 " IN DIAMETER. THE SUBSOIL SHALL BE TILLED TO A MINIMUM DEPTH OF 6 INCHES BEFORE PLACEMENT OF TOPSOIL. WHERE THE SUBSOIL IS EITHER HIGHLY ACIDIC OR COMPOSED OF HEAVY CLAYS, GROUND LIME SHALL BE SPREAD AT THE RATE OF 4-8 TONS/ACRE (200-400 LBS PER 1000 SQ FT) PRIOR TO THE PLACEMENT OF TOPSOIL. LIME SHALL BE DISTRIBUTED UNIFORMLY OVER DESIGNATED AREAS AND WORKED INTO THE SOIL. TOPSOIL SHALL BE TESTED AND AMENDED AS PER SOIL TEST RECOMMENDATIONS.

## TOPSOIL APPLICATION:

- WHEN TOPSOILING, MAINTAIN NEEDED EROSION AND SEDIMENT CONTROL PRACTICES.
- TOPSOIL SHALL BE UNIFORMLY DISTRIBUTED IN A 4-8 INCH LAYER AND LIGHTLY COMPACTED TO A MINIMUM THICKNESS OF 4 INCHES. ANY IRREGULARITIES IN THE SURFACE RESULTING FROM TOPSOILING OR OTHER OPERATIONS SHALL BE CORRECTED IN ORDER TO PREVENT THE FORMATION OF DEPRESSIONS OR WATER POCKETS.
- TOPSOIL SHALL NOT BE PLACED WHILE THE TOPSOIL IS IN A FROZEN OR MUDDY CONDITION, WHEN THE SUBSOIL IS EXCESSIVELY WET OR IN A CONDITION THAT MAY OTHERWISE BE DETRIMENTAL TO PROPER GRADING AND SEEDBED PREPARATION.

## SEQUENCE OF CONSTRUCTION

- CONTACT THE MONTGOMERY COUNTY SEDIMENT CONTROL INSPECTOR AT LEAST TWO (2) DAYS PRIOR TO BEGINNING EARTH DISTURBANCE TO ARRANGE A PRE-CONSTRUCTION MEETING TO INCLUDE THE MONTGOMERY COUNTY DEPARTMENT OF ENVIRONMENTAL PROTECTION, THE MONTGOMERY VILLAGE FOUNDATION AND PARK, AND PLANNING. DURING THE MEETING THE COMMENCEMENT TIME FOR THE INSTALLATION OF SEDIMENT CONTROL MEASURES WILL BE DETERMINED.
- ACCESS TO THE SITE WILL BE FROM MONTGOMERY VILLAGE AVENUE AT LAKE SHORE DRIVE AND THEN A LEFT TURN ONTO ISLAND SIDE DRIVE AND A LEFT TURN ONTO THE BOAT DOCK ACCESS ROAD AND PARKING LOT THROUGH THE CONSTRUCTION EASEMENT AREA.
- THE BOAT DOCK ACCESS ROAD AND PARKING LOT AREA SHALL BE USED AS A STAGING AEA ONLY. THE DOCK AND RENTAL BUILDING SHALL NOT BE ACCESSED OR DISTURBED. A CONSTRUCTION ACCESS ROAD FROM THE PARKING LOT TO THE DEWATERING PLANT AREA WILL BE ESTABLISHED.
- THE DEWATERING PLANT AREA SHALL BE IN THE OPEN AREA OF THE EXISTING VOLLEYBALL SAND COURT BETWEEN THE TWO WALKING PATHS.
- SET UP PERIMETER CONTROLS AND E&S CONTROL MEASURES AS NOTED BELOW.

## SITE PREPARATION AND MOBILIZATION

- CONTACT \*MISS UTILITY\* AT 1-800-257-7777 FORTY-EIGHT (48) HOURS PRIOR TO SETTING UP ANY EROSION AND SEDIMENT CONTROLS OR ANY GRADING.
- PLACE CONSTRUCTION FENCING AROUND ENTIRE STAGING AREA AND DEWATERING PLANT AREA.
- PLACE SSF ON DOWNSTREAM SIDE OF DEWATERING PLANT AREA AS SHOWN. THIS SHALL BE COORDINATED WITH THE PLACEMENT OF THE CONSTRUCTION FENCE IN THIS AREA.
- CONSTRUCT SCE AS SHOWN.
- REMOVE VOLLEYBALL COURT AND NET, TREES, PICNIC BENCHES, AND CHILDREN'S PLAY APPARATUS WITHIN THE LOD AREA. SALVAGE VOLLEYBALL COURT AND NET, PICNIC BENCHES, AND CHILDREN'S PLAY APPARATUS TO BE RESET AFTER ALL WORK IS COMPLETED.
- AFTER ALL PERIMETER AND EROSION AND SEDIMENT CONTROLS ARE CONSTRUCTED OBTAIN APPROVAL FROM THE SEDIMENT CONTROL INSPECTOR BEFORE BEGINNING THE SETUP FOR THE STAGING AREA AND THE CONSTRUCTION OF THE DEWATERING PLANT AREA.
- SET UP CONSTRUCTION OFFICE AND FACILITIES WITHIN THE PARKING LOT.
- GRADE DEWATERING AREA AS SHOWN FOR DEWATERING PLANT EQUIPMENT.
- CONSTRUCT DEWATERING PLANT.
- NOTIFY MONTGOMERY COUNTY THAT ALL CONSTRUCTION FOR THE STAGING AND DEWATERING PLANT AREAS ARE COMPLETED AND OBTAIN APPROVAL PRIOR TO BEGINNING DREDGING OPERATION EQUIPMENT MOBILIZATION.

## HYDRAULIC DREDGING

- DREDGING OPERATIONS ARE TO COMMENCE IN AREA NO. 1 FIRST. NO DREDGING MAY OCCUR IN AREA NO. 2 BETWEEN FEBRUARY 15TH THROUGH AUGUST 1ST OF ANY YEAR DURING THE BREEDING SEASON OF THE HERON AND EGRETS LOCATED ON THE ISLAND WITHIN LAKE WHETSTONE.
- BEGIN DREDGING OPERATIONS IN AREA NO. 1 STARTING FROM UPSTREAM AND GOING DOWNSTREAM. IN THIS AREA A CALCULATED VOLUME OF 3,750 CUBIC YARDS ARE TO BE DREDGED.
- MAINTAIN EROSION AND SEDIMENT CONTROL PRACTICES DURING DREDGING OPERATIONS.
- ALL CONSTRUCTION VEHICLES LEAVING DEWATERING PLANT SITE MUST EXIT VIA THE STABILIZED CONSTRUCTION ENTRANCE (SCE).
- CONSTRUCTION AREA MUST BE STABILIZED AT THE END OF EACH WORK DAY IF NOT DRAINING TO A SEDIMENT CONTROL DEVICE.
- COMPLETE AREA NO. 1 DREDGING.
- COMMENCE DREDGING OPERATIONS IN AREA NO. 2. DREDGING IN AREA 2 MUST BE COMPLETED BY MARCH 1ST.
- IN AREA NO. 2 A CALCULATED VOLUME OF 11,250 CUBIC YARDS ARE TO BE DREDGED.
- COMPLETE DREDGING OPERATIONS IN AREA NO. 2.
- NOTIFY MONTGOMERY COUNTY THAT THE DREDGING OPERATIONS HAVE BEEN COMPLETED.

## SITE RESTORATION AND DEMOBILIZATION

- WITH THE APPROVAL OF THE SEDIMENT CONTROL INSPECTOR AND MONTGOMERY COUNTY REMOVAL OF THE DEWATERING PLANT AND STAGING AREA FACILITIES CAN BE PERFORMED. MAINTAIN EROSION AND SEDIMENT CONTROLS DURING THIS OPERATION.
- WITH ALL EQUIPMENT AND FACILITIES REMOVED FROM THE DEWATERING PLANT AREA, REGRADE DEWATERING PLANT SITE BACK TO EXISTING CONDITIONS.
- WITH THE APPROVAL OF THE SEDIMENT CONTROL INSPECTOR, REMOVE THE EROSION AND SEDIMENT CONTROL PRACTICES INCLUDING THE SCE.
- STABILIZE AREAS WITH TOPSOIL SEED AND MULCH. RESTORE RECREATIONAL AREA.
- REMOVE ALL PERIMETER CONSTRUCTION FENCES.
- SWEEP PARKING LOT AND ROADWAY OF SEDIMENTS AND DEBRIS.
- PROVIDE FINAL STABILIZATION FOR ALL AREAS DISTURBED WITH TOPSOIL, SEED AND MULCH.

NOTE:  
THE STREAM CLOSURE PERIOD IS FROM MARCH 1ST THROUGH JUNE 15TH. NO DREDGING WILL BE ALLOWED IN LAKE WHETSTONE DURING THIS PERIOD.



PROFESSIONAL CERTIFICATION  
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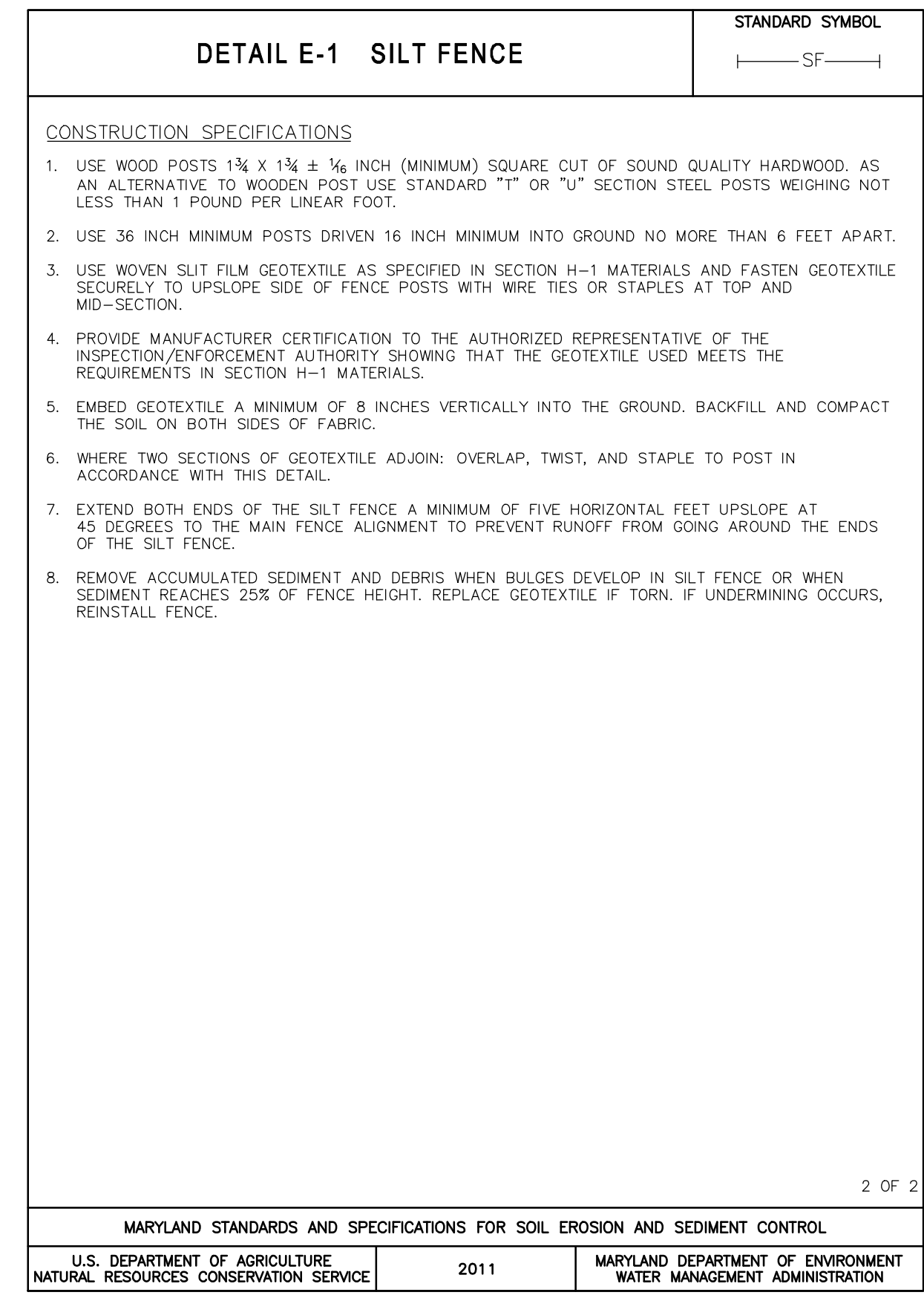
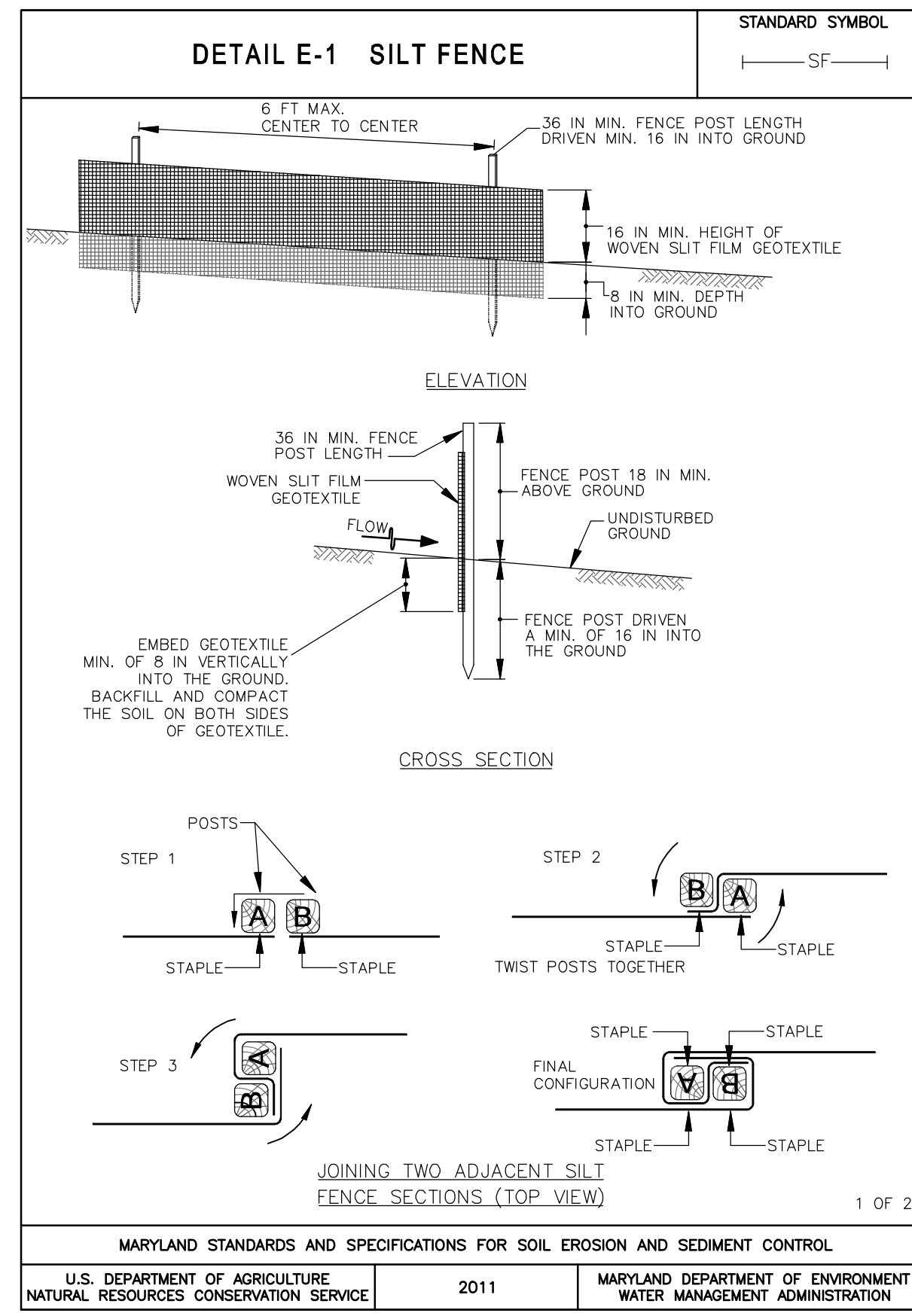
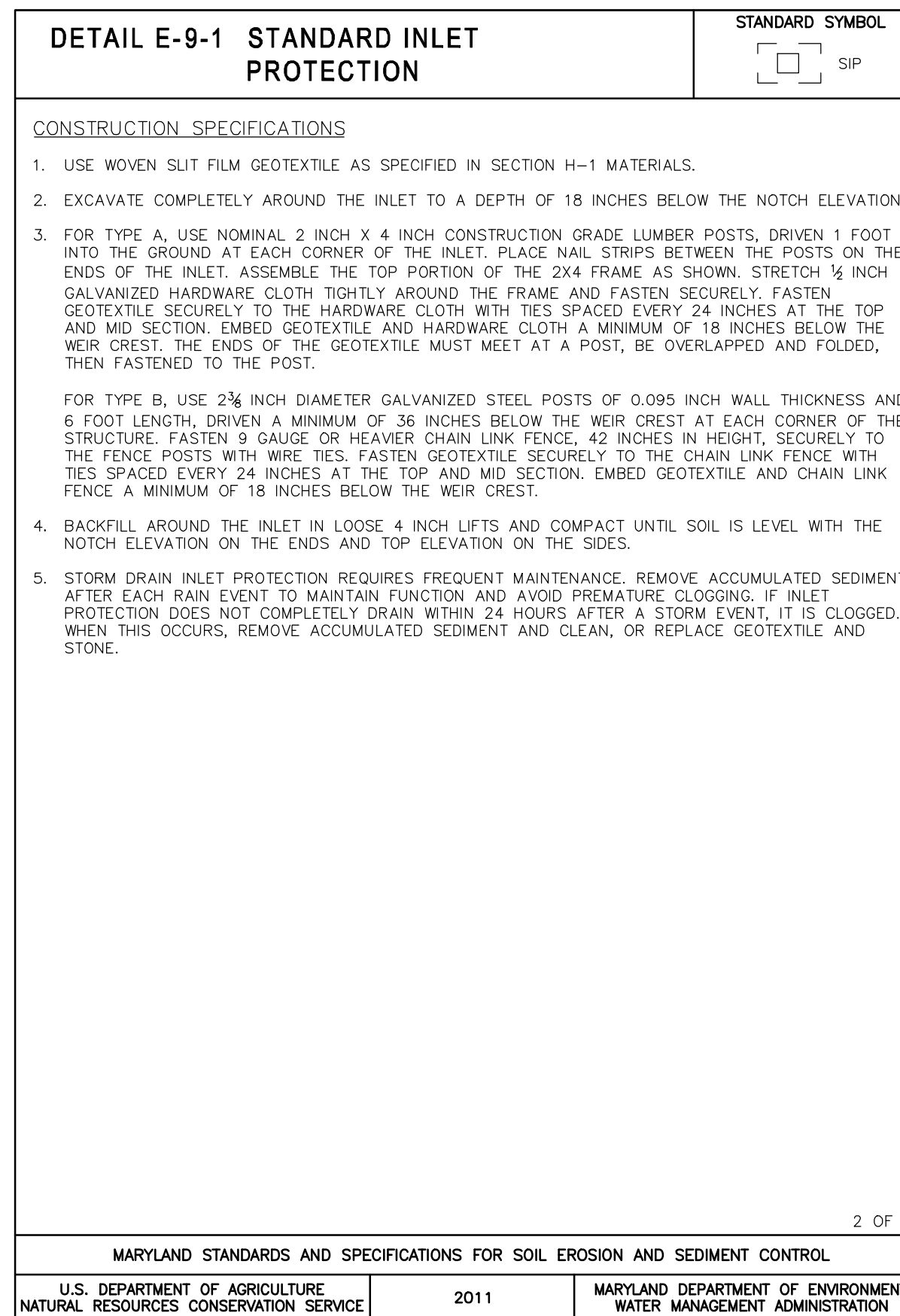
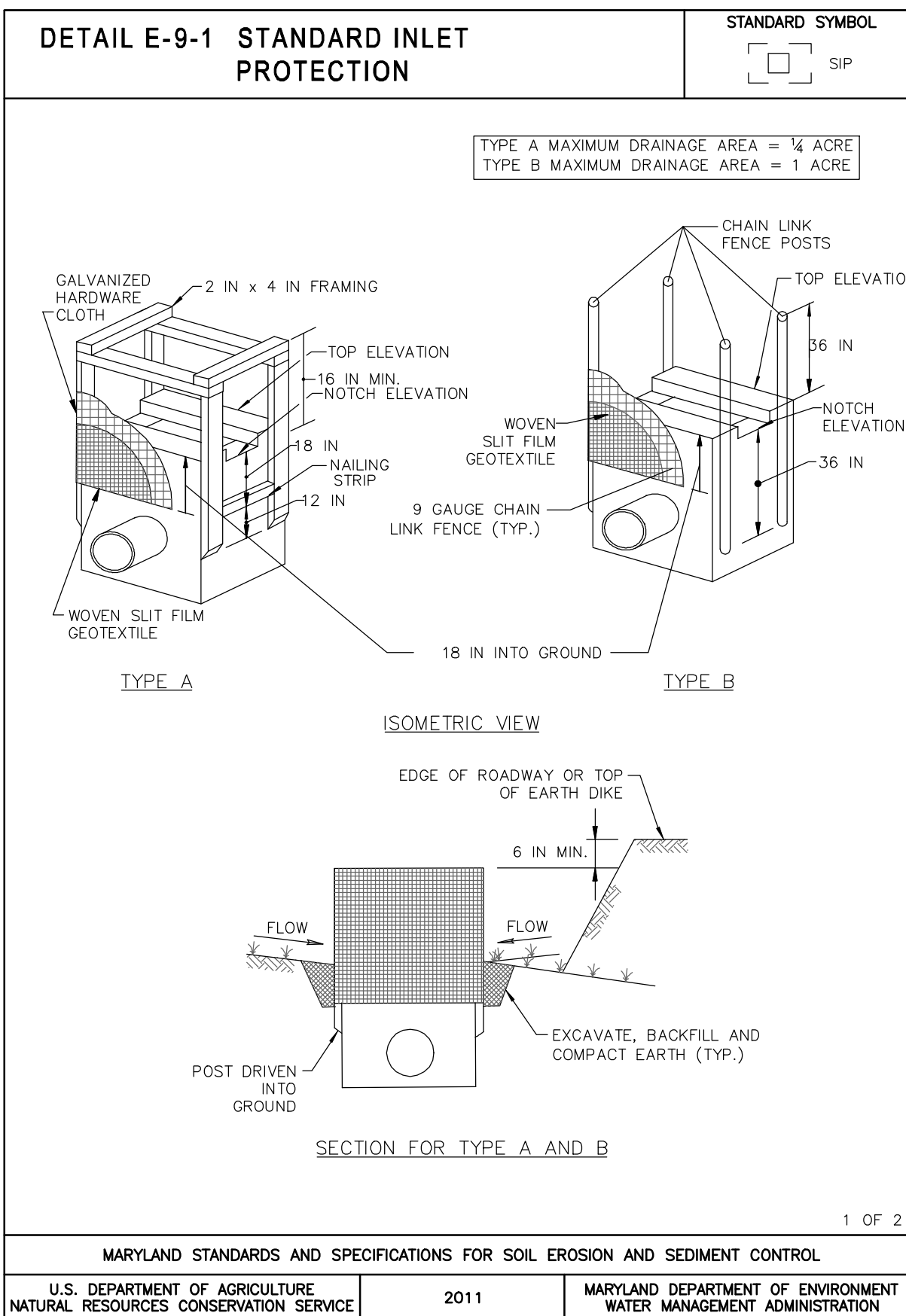
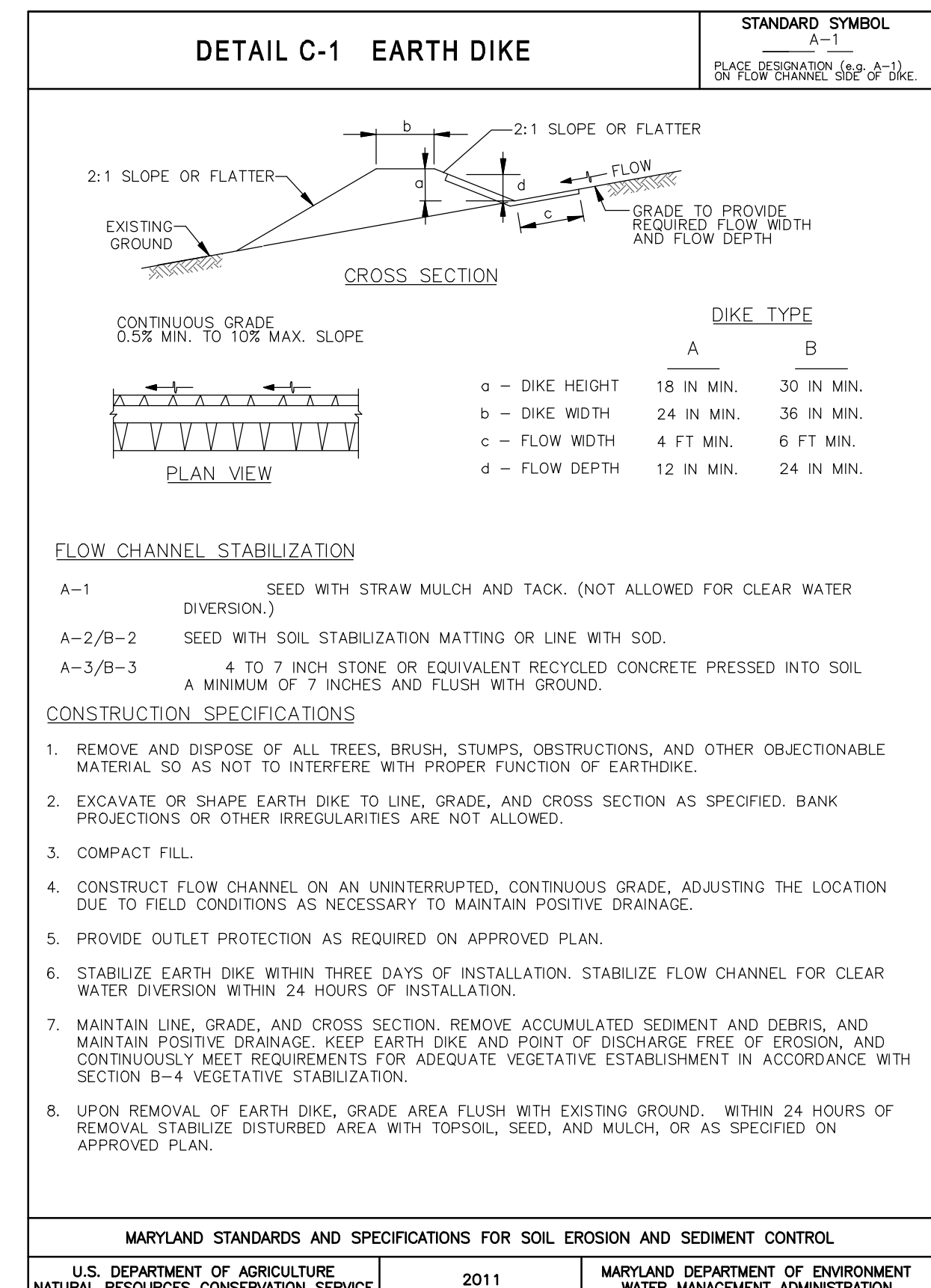
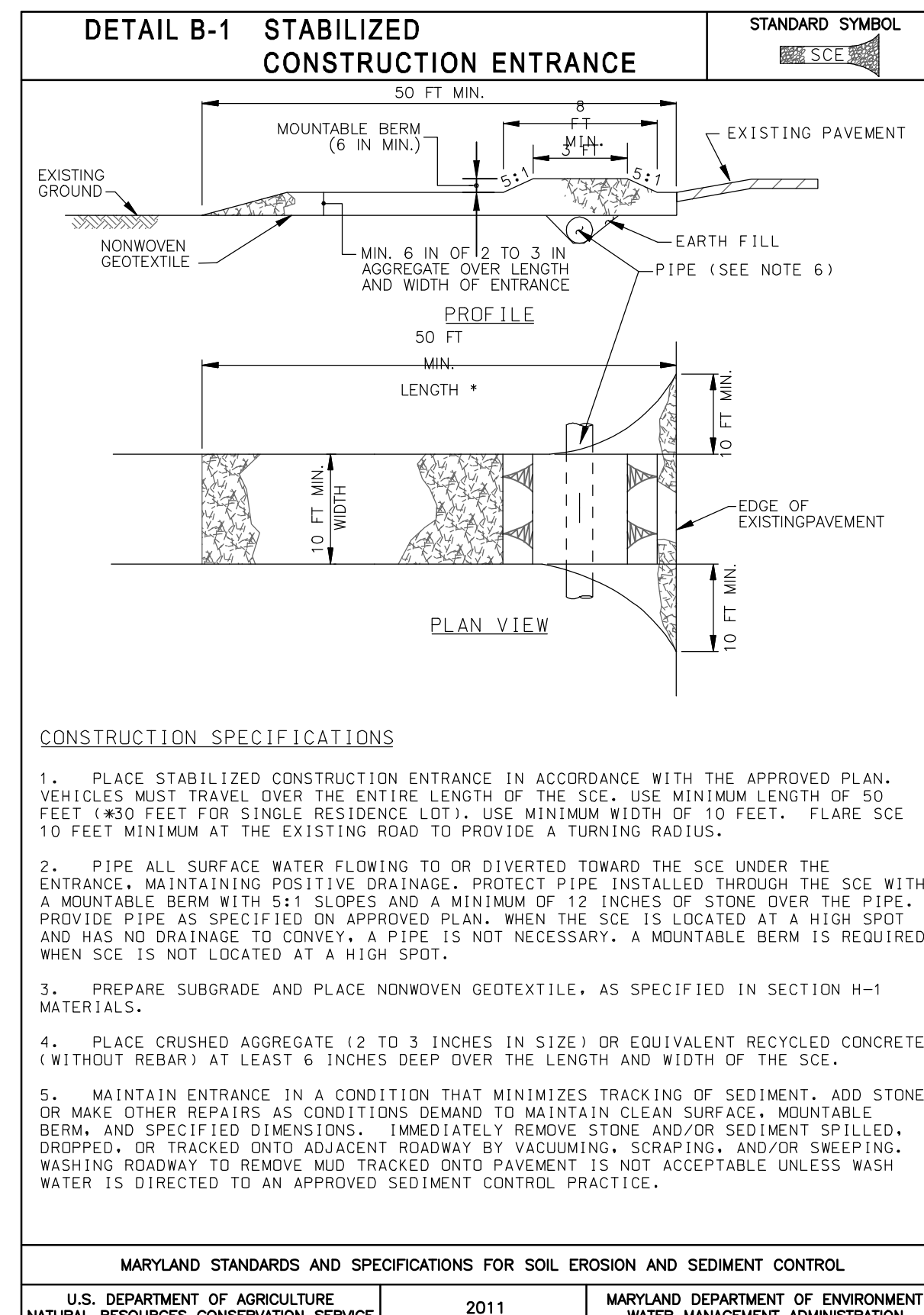
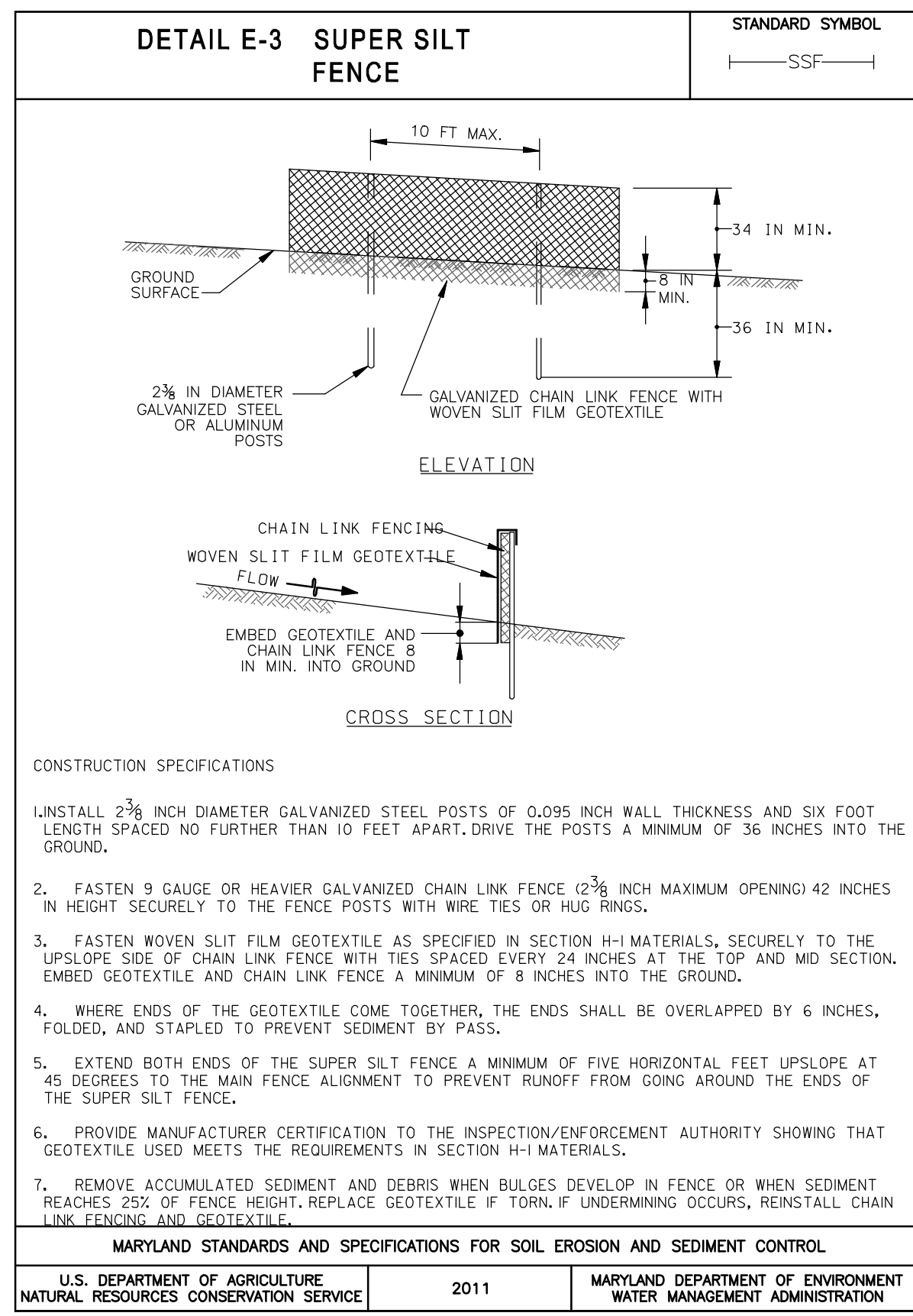
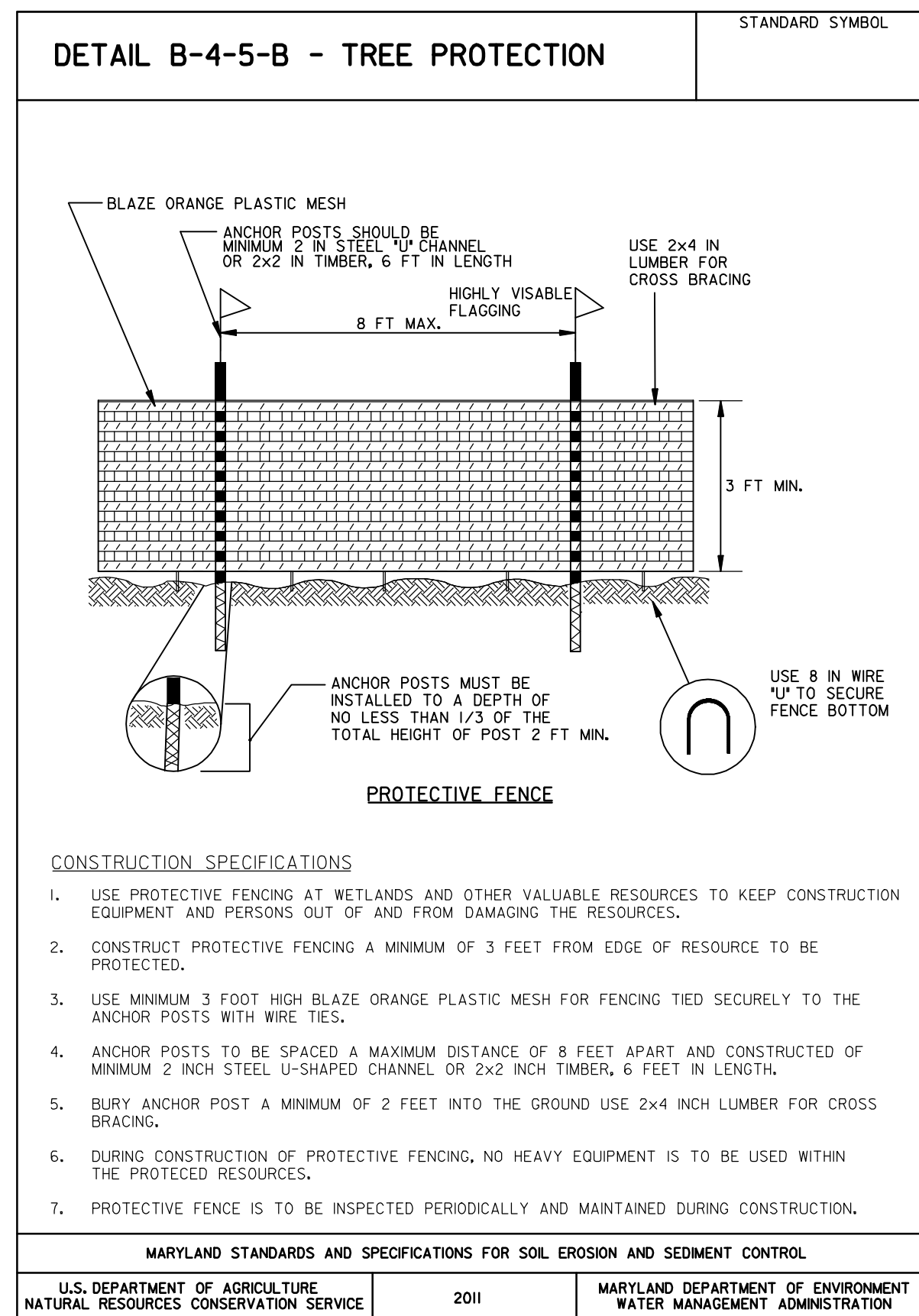
MONTGOMERY CO. DEPARTMENT OF PERMITTING SERVICES APPROVED FOR:		NOTE:
Stormwater Management:	Sediment Control Technical Requirements:	Administrative Requirements:
Reviewed _____ Date _____	Reviewed _____ Date _____	Reviewed _____ Date _____
Approved _____ Date _____	Approved _____ Date _____	SEDIMENT CONTROL PERMIT NO. _____
S.M. FILE NO. _____		MDCPS APPROVAL OF PLAN WILL EXPIRE ONE YEAR FROM THE DATE OF APPROVAL IF THE PROJECT HAS NOT STARTED - UNLESS THE PERMIT HAS BEEN EXTENDED.

NO.	REVISION	DATE	BY

Designed by: JK Drawn by: CY Checked by: JK

MONTGOMERY COUNTY DEPARTMENT OF ENVIRONMENTAL PROTECTION ROCKVILLE, MARYLAND	
<b>LAKE WHETSTONE</b> <b>MAINTENANCE BY HYDRAULIC DREDGING</b>	
EROSION AND SEDIMENT CONTROL GENERAL NOTES AND SEQUENCE OF CONSTRUCTION	
Project No.: _____	SHEET <u>8</u> of <u>10</u>





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**MONTGOMERY CO. DEPARTMENT OF PERMITTING SERVICES APPROVED FOR:**

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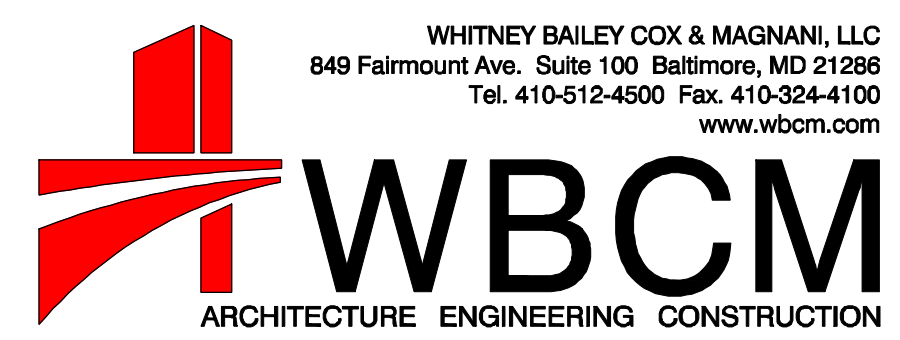
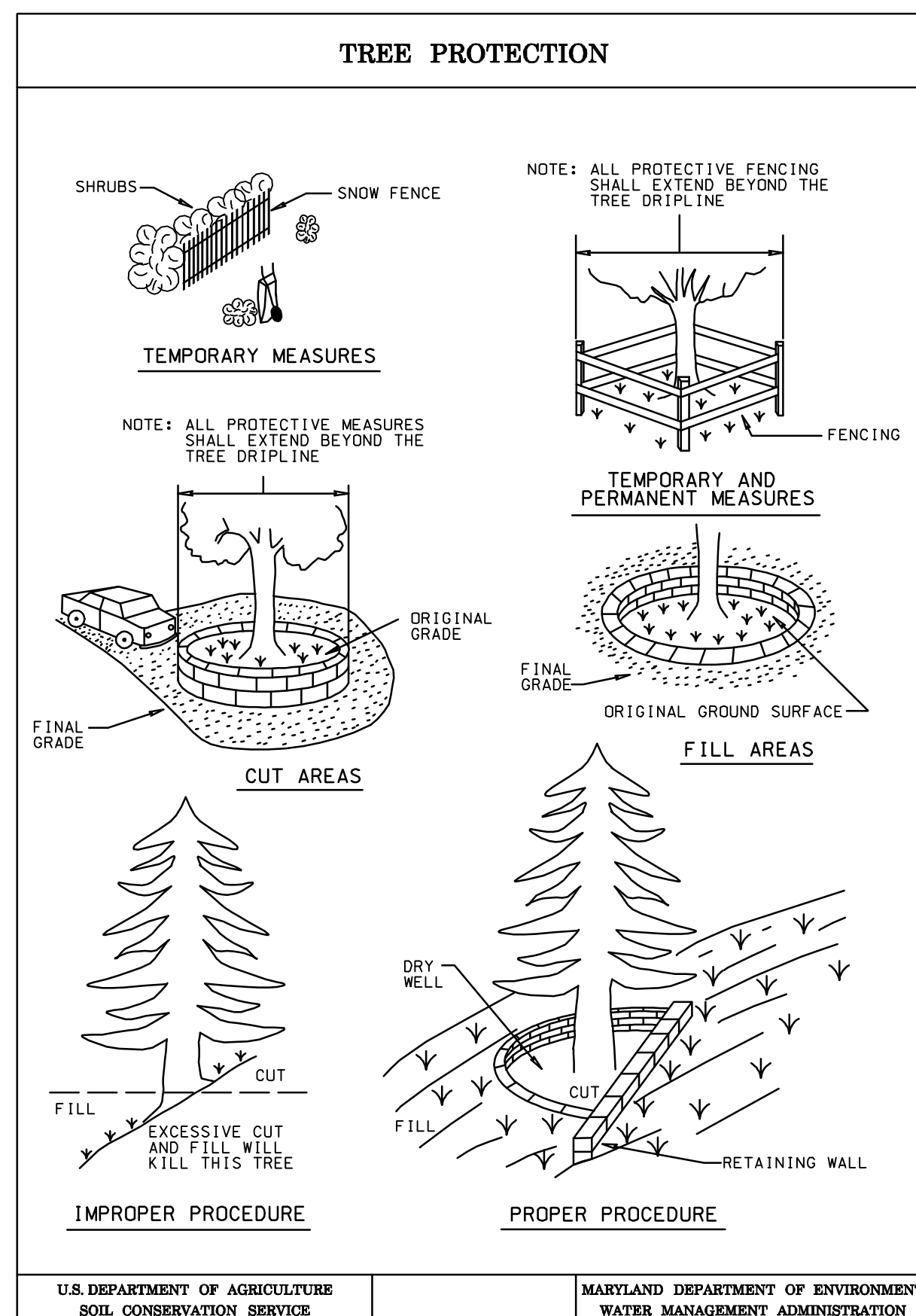
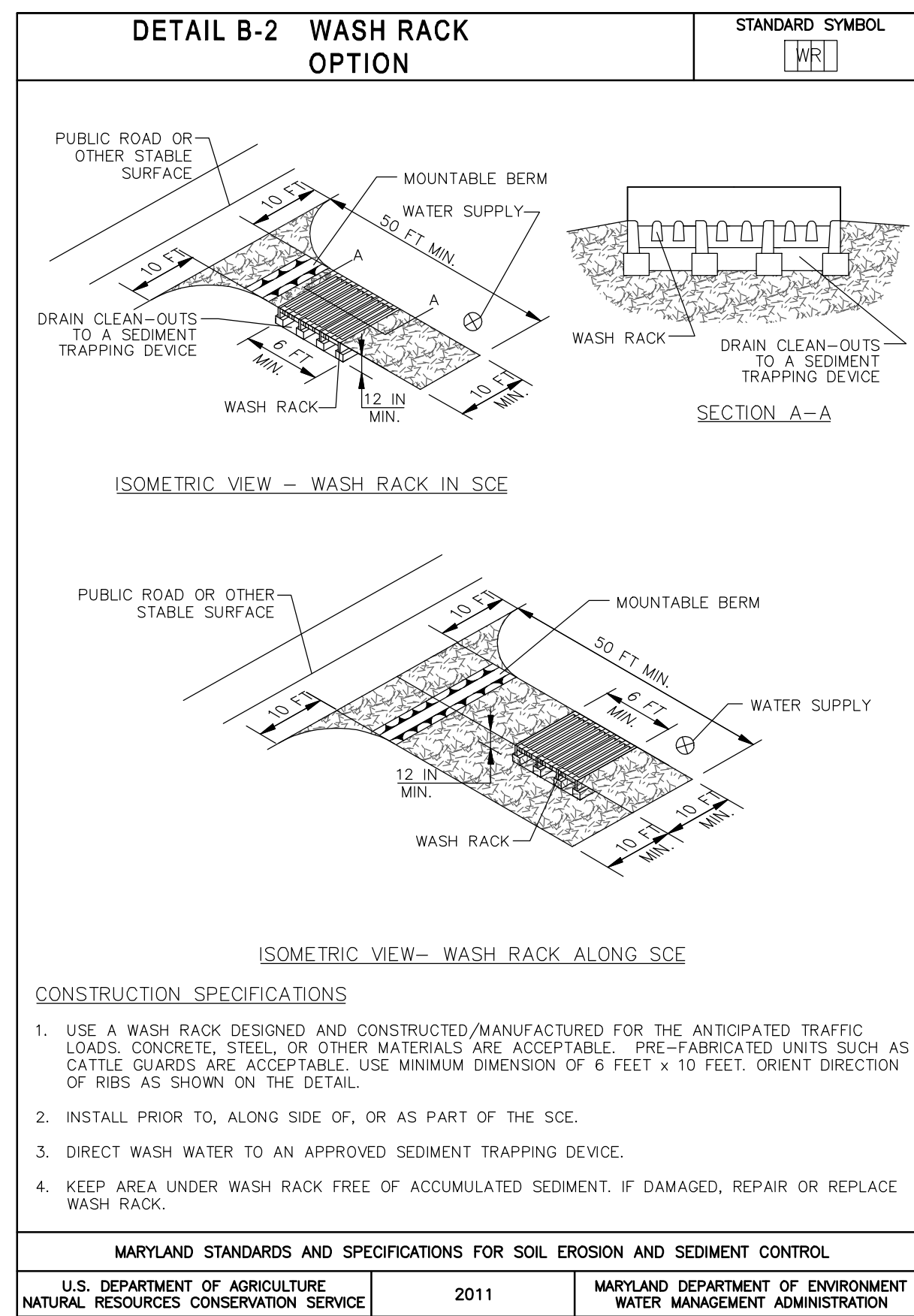
MONTGOMERY COUNTY DEPARTMENT OF ENVIRONMENTAL PROTECTION  
ROCKVILLE, MARYLAND

**LAKE WHETSTONE MAINTENANCE BY HYDRAULIC DREDGING**

EROSION AND SEDIMENT CONTROL DETAILS

Project No.: \_\_\_\_\_ SHEET 9 of 10





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Reviewed _____ Date _____	Reviewed _____ Date _____	Reviewed _____ Date _____
Approved _____ Date _____	Reviewed _____ Date _____	_____
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NO.	REVISION	DATE	BY

Designed by: JK Drawn by: CY Checked by: JK

MONTGOMERY COUNTY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
ROCKVILLE, MARYLAND

**LAKE WHETSTONE  
MAINTENANCE BY HYDRAULIC DREDGING**

EROSION AND SEDIMENT CONTROL DETAILS

Project No.: \_\_\_\_\_ SHEET 10 of 10