

MONTGOMERY COUNTY GOVERNMENT

DEPARTMENT OF ENVIRONMENTAL PROTECTION WATERSHED MANAGEMENT DIVISION

LAKE WHETSTONE MAINTENANCE BY HYDRAULIC DREDGING

INDEX OF SHEETS

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OWNER'S/DEVELOPER'S CERTIFICATION

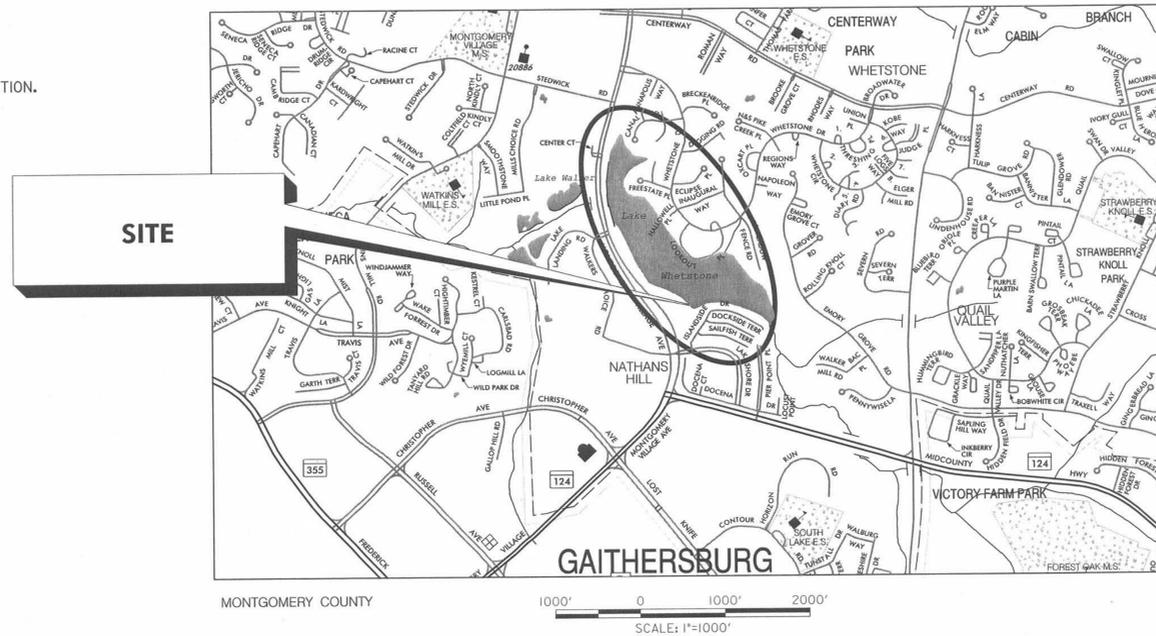
I/WE HEREBY CERTIFY THAT ALL CLEARING, GRADING, CONSTRUCTION AND/OR DEVELOPMENT WILL BE DONE PURSUANT TO THIS PLAN AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL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

SIGNATURE: [Signature] DATE: 6/24/14

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: [Signature] DATE: 6-24-14
 PRINTED NAME: James Krampertu REGISTRATION NUMBER: 12711



LEGEND

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

DISTURBED AREA: 38,076 S.F.

CERTIFICATION OF QUANTITIES

I HEREBY CERTIFY THAT THE ESTIMATED TOTAL AMOUNT OF EXCAVATION AND FILL AS SHOWN ON THESE PLANS HAS BEEN COMPUTED TO 20,000 CUBIC YARDS OF EXCAVATION, 0 CUBIC YARDS OF FILL AND THE TOTAL AREA TO BE DISTURBED AS SHOWN ON THESE PLANS HAS BEEN DETERMINED TO BE 38,076 SQUARE FEET.

SIGNATURE: [Signature] DATE: 6-24-14
 PRINTED NAME AND TITLE: James Krampertu REGISTRATION NUMBER: 12711

MISS UTILITY

CALL "MISS UTILITY" AT 1-800-257-7777, 48 HOURS PRIOR TO THE START OF WORK. THE EXCAVATOR MUST NOTIFY ALL PUBLIC UTILITY COMPANIES WITH UNDER GROUND FACILITIES IN THE AREA OF PROPOSED EXCAVATION AND HAVE THOSE FACILITIES LOCATED BY THE UTILITY COMPANIES PRIOR TO COMMENCING EXCAVATION. THE EXCAVATOR IS RESPONSIBLE FOR COMPLIANCE WITH REQUIREMENTS OF CHAPTER 36A OF THE MONTGOMERY COUNTY CODE.

- ### 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 1-800-257-7777 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 PERMITTEE/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		CENAB-OP-RMS		
b. MDE	X		2013-61899		
c. MDE WATER QUALITY CERTIFICATION	X				
MDE DAM SAFETY		X			
N.P.D.E.S. NOTICE OF INTENT		X			
MCDPS SEDIMENT CONTROL	X		259015		
MNCPCC NRI/FSD	X		42014088E		

MONTGOMERY CO. DEPARTMENT OF PERMITTING SERVICES APPROVED FOR:			NOTE:
Stormwater Management: <u>SW Maintenance Dredging</u>	Sediment Control Technical Requirements: <u>[Signature]</u> 7/2/14 Reviewed <u>[Signature]</u> 7/2/2014 Date	Administrative Requirements: <u>[Signature]</u> 7/2/14 Reviewed <u>[Signature]</u> 7/2/2014 Date	Requirements: <u>[Signature]</u> 7/2/14 Reviewed <u>[Signature]</u> 7/2/2014 Date
Approved <u>[Signature]</u> 7/2/2014 Date			

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

PROPERTY OWNER:
 MONTGOMERY VILLAGE FOUNDATION, INC.
 10120 APPLE RIDGE ROAD
 MONTGOMERY VILLAGE, MD 20886
 DAVID HUMPTON
 301-948-0110



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. 12711 EXPIRATION DATE: 11/22/15

NO.	REVISION	DATE	BY

DESIGNED BY: [Signature] DRAWN BY: [Signature] CHECKED BY: [Signature]

MONTGOMERY COUNTY DEPARTMENT OF ENVIRONMENTAL PROTECTION
 ROCKVILLE, MARYLAND

LAKE WHETSTONE MAINTENANCE BY HYDRAULIC DREDGING
 PARCEL: 130 LIBER: 10508 FOLIO: 103

TITLE SHEET

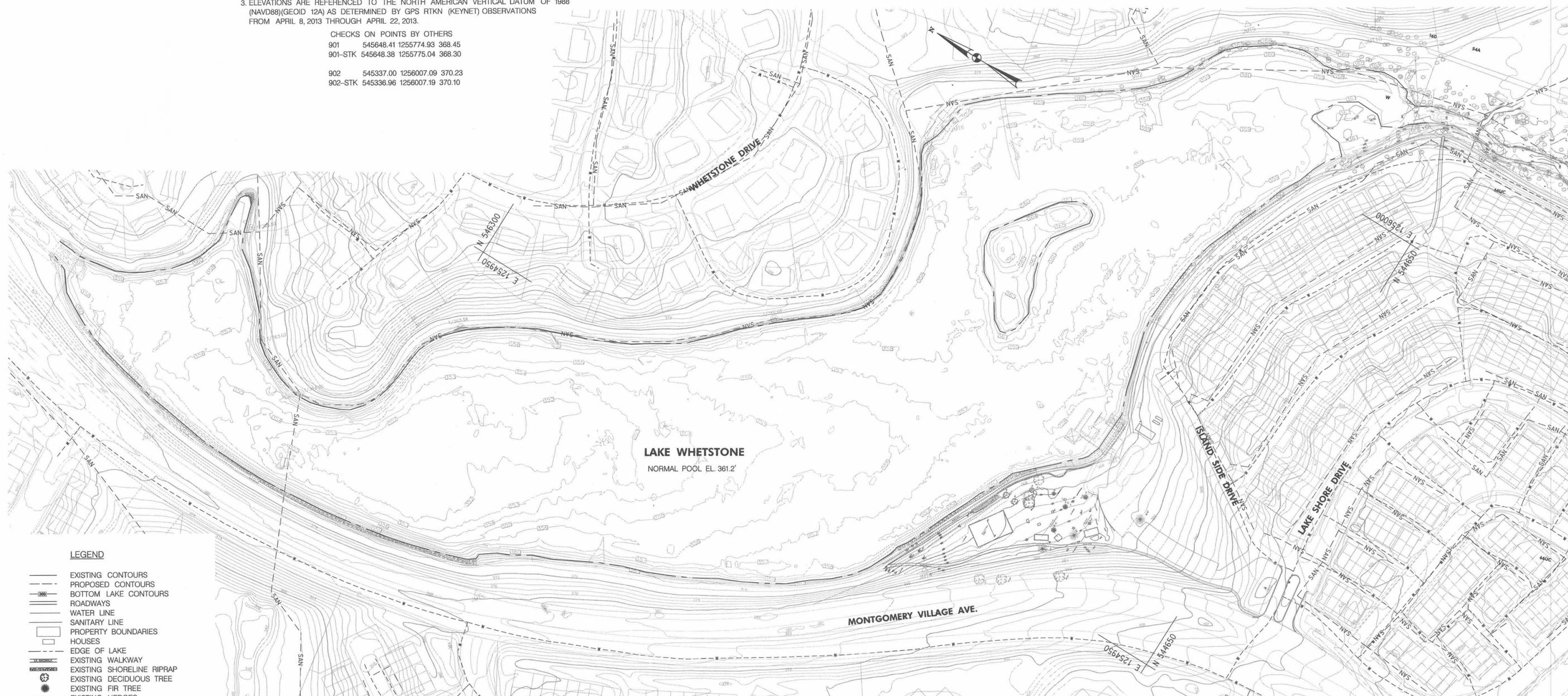
Project No.: _____ SHEET 1 of 11

GENERAL NOTES FOR BATHYMETRY OF LAKE WHETSTONE

- THIS SURVEY WAS BASED ON A FIELD-RUN BATHYMETRIC SURVEY PERFORMED BY JOHNSON, MIRMIRAN & THOMPSON (JMT) IN APRIL, 2013 AND REFLECTS SITE CONDITIONS AS OF THAT DATE.
- 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.
- 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



LEGEND

- EXISTING CONTOURS
- PROPOSED CONTOURS
- BOTTOM LAKE CONTOURS
- ROADWAYS
- WATER LINE
- SANITARY LINE
- PROPERTY BOUNDARIES
- HOUSES
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- EXISTING DECIDUOUS TREE
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- LIMIT OF DISTURBANCE
- STABILIZED CONSTRUCTION ENTRANCE
- SUPER SILT FENCE
- PROFILE BASELINES
- CROSS SECTIONS



GENERAL NOTES FOR TOPOGRAPHY

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

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

MONTGOMERY CO. DEPARTMENT OF PERMITTING SERVICES APPROVED FOR:			NOTE:
Stormwater Management: <i>JW Maintenance</i>	Sediment Control Technical Requirements: <i>WBE 7/2/14</i>	Administrative Requirements: <i>WBE 7/2/14</i>	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.
Reviewed <i>WBE 7/2/14</i> Date	Reviewed <i>WBE 7/2/2014</i> Date	Reviewed <i>WBE 7/2/14</i> Date	
Approved <i>WBE 7/2/2014</i> Date			

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
 PARCEL: I30 LIBER: 10508 FOLIO: 103
 EXISTING CONDITIONS
 BATHYMETRIC AND TOPOGRAPHIC PLAN

Project No.: _____ SHEET 2 of 11

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. 12711 EXPIRATION DATE: 11/22/15"

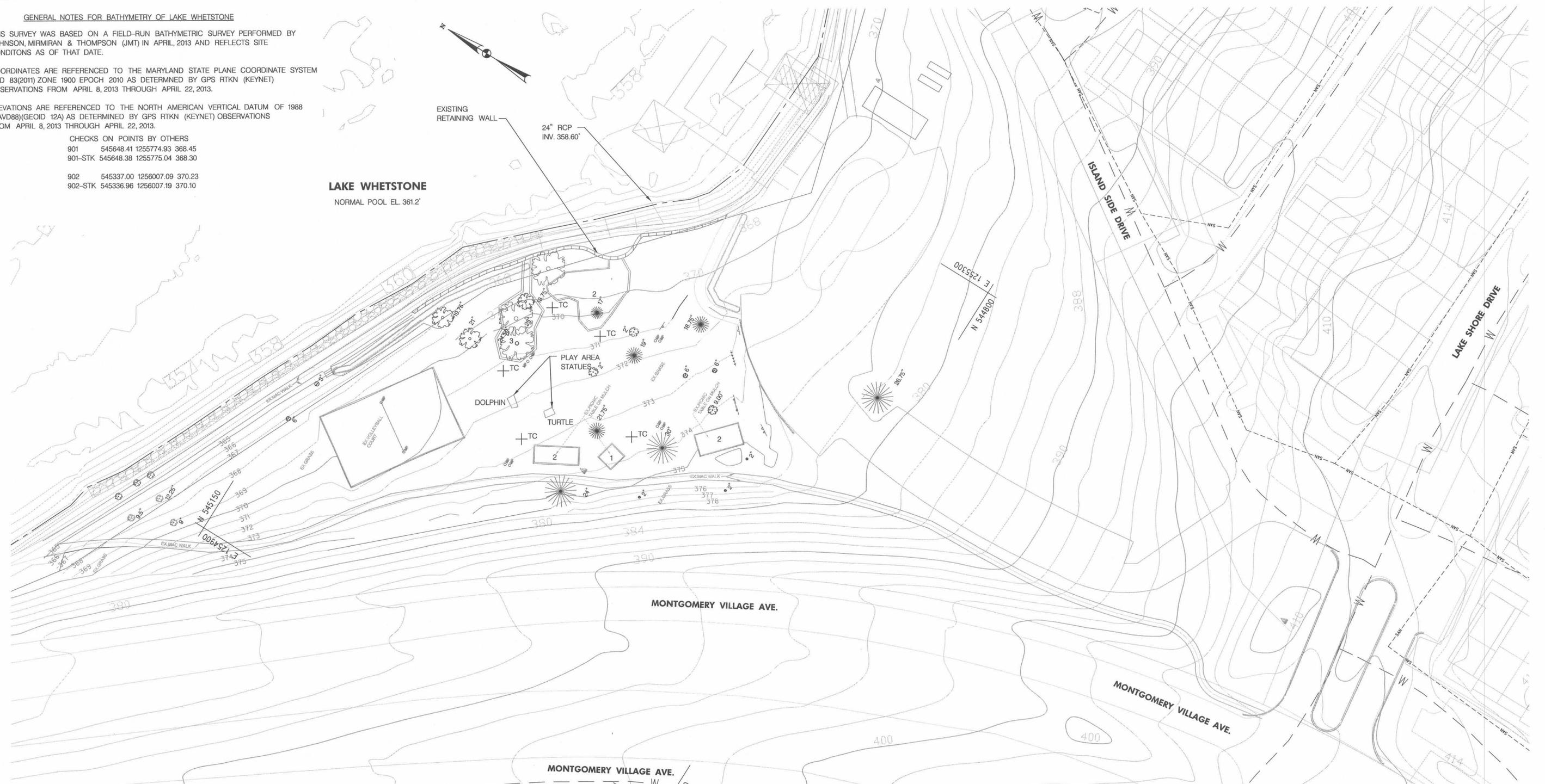
GENERAL NOTES FOR BATHYMETRY OF LAKE WHETSTONE

1. THIS SURVEY WAS BASED ON A FIELD-RUN BATHYMETRIC SURVEY PERFORMED BY JOHNSON, MIRMIRAN & THOMPSON (JMT) IN APRIL, 2013 AND REFLECTS SITE CONDITIONS AS OF THAT DATE.
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 901-STK 545648.38 1255775.04 368.30

 902 545337.00 1256007.09 370.23
 902-STK 545336.96 1256007.19 370.10

LAKE WHETSTONE
 NORMAL POOL EL. 361.2'



NOTE:
 THE EXISTING PICNIC TABLES, SIGNS, TRASH CANS, AND PLAY AREA STATUES SHALL BE MOVED TO A SECURED AREA 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 --	PICNIC TABLE AREA WITH NUMBER OF TABLES		SIGN	
DECIDUOUS TREE		VOLLEYBALL COURT AREA		BIKE RACKS	
FIR TREE		DOLPHIN AND TURTLE STATUES		TRASH CANS	
EDGE OF WATER	- - - - -				
8" BY 8" TIMBERS					



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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 LICENSE NO. 12711
 EXPIRATION DATE: 11/22/15

MONTGOMERY CO. DEPARTMENT OF PERMITTING SERVICES APPROVED FOR:			NOTE:
Stormwater Management: <i>SW Maintenance</i>	Sediment Control Technical Requirements: <i>WCC 7/2/14</i>	Administrative Requirements: <i>WCC 7/2/14</i>	HICPS APPROVAL OF PLAN WILL EXPIRE ONE YEAR FROM THE DATE OF APPROVAL IF THE PROJECT HAS NOT STARTED - UNLESS THE PERMIT HAS BEEN EXTENDED.
Reviewed <i>WCC 7/2/14</i>	Reviewed <i>WCC 7/2/14</i>	Reviewed <i>WCC 7/2/14</i>	
Approved <i>WCC 7/2/14</i>	Approved <i>WCC 7/2/14</i>	Approved <i>WCC 7/2/14</i>	
SEDIMENT CONTROL PERMIT NO. <i>259015</i>			

NO.	REVISION	DATE	BY

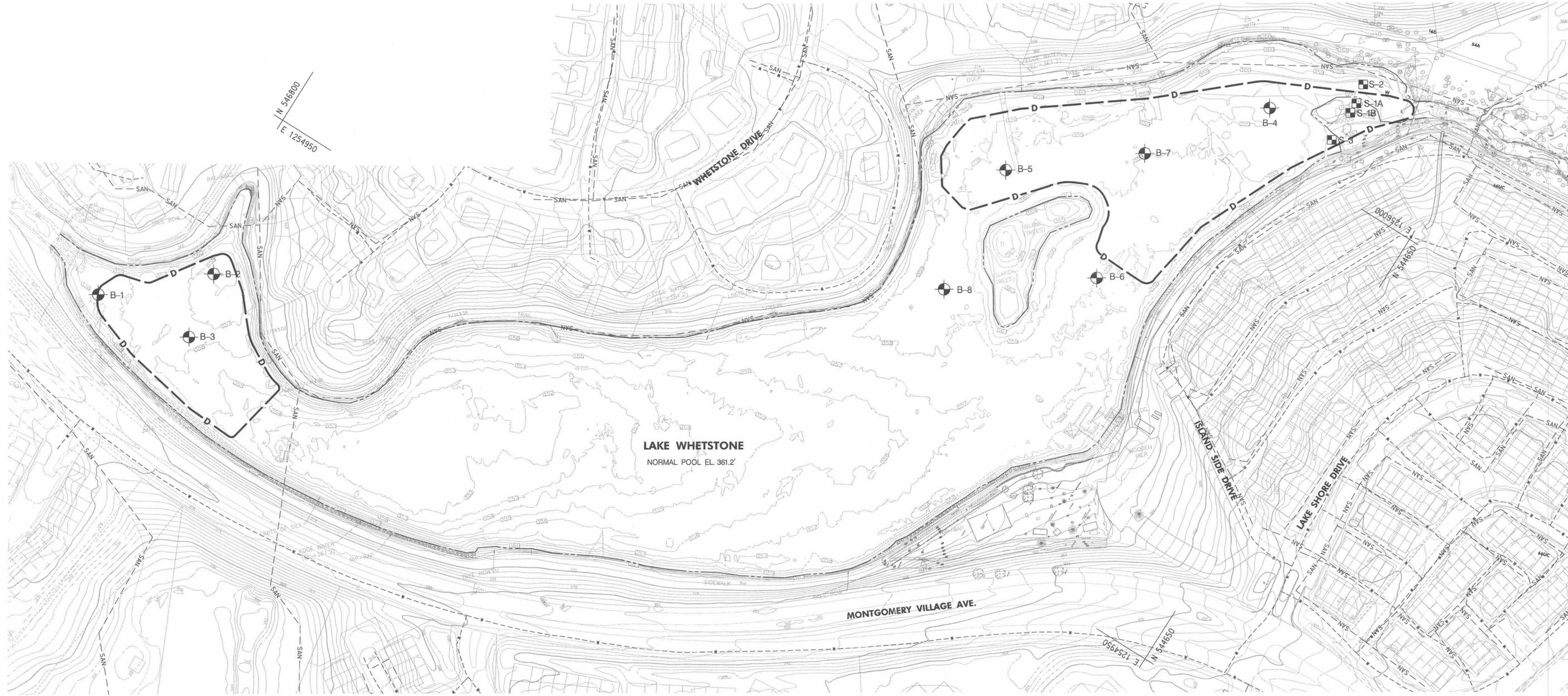
MONTGOMERY COUNTY
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
 ROCKVILLE, MARYLAND

LAKE WHETSTONE
MAINTENANCE BY HYDRAULIC DREDGING
 PARCEL: I30 LIBER: 10508 FOLIO: 103
 EXISTING CONDITIONS STAGING AREA PLAN

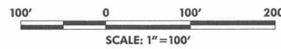
Designed by: *JK* Drawn by: *CY* Checked by: *JK* Project No.: _____ SHEET **3** of **11**

WHITNEY BAILEY COX & MAGNANI, LLC
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WBCM
 ARCHITECTURE ENGINEERING CONSTRUCTION



LAKE WHETSTONE
NORMAL POOL EL. 361.2'



LEGEND

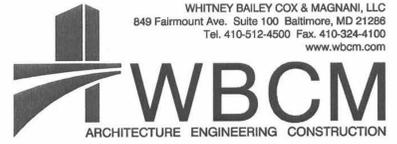
- B-1 BORING LOCATIONS
- S-1 SAMPLING LOCATIONS
- D - DREDGING AREAS

BORING COORDINATES TABLE			
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	1255672.06	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

SAMPLING LOCATIONS TABLE		
SAMPLE ID	EASTING	NORTHING
S-1A	1256184.37	544898.34
S-1B	1256160.44	544898.73
S-2	1256225.74	544907.47
S-3	1256091.28	544901.26

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

MONTGOMERY CO. DEPARTMENT OF PERMITTING SERVICES APPROVED FOR:			NOTE:
Stormwater Management: <i>SW Maintenance</i>	Sediment Control Technical Requirements: <i>WCC 7/2/14</i>	Administrative Requirements: <i>WCC 7/2/14</i>	<small>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.</small>
Reviewed <i>WCC</i> 7/2/14 Date	Reviewed <i>WCC</i> 7/2/14 Date	Reviewed <i>WCC</i> 7/2/14 Date	
Approved <i>WCC</i> 7/2/2014 Date	Reviewed <i>WCC</i> 7/2/2014 Date	Reviewed <i>WCC</i> 7/2/2014 Date	
<small>SEDIMENT CONTROL PERMIT NO. 259015</small>			



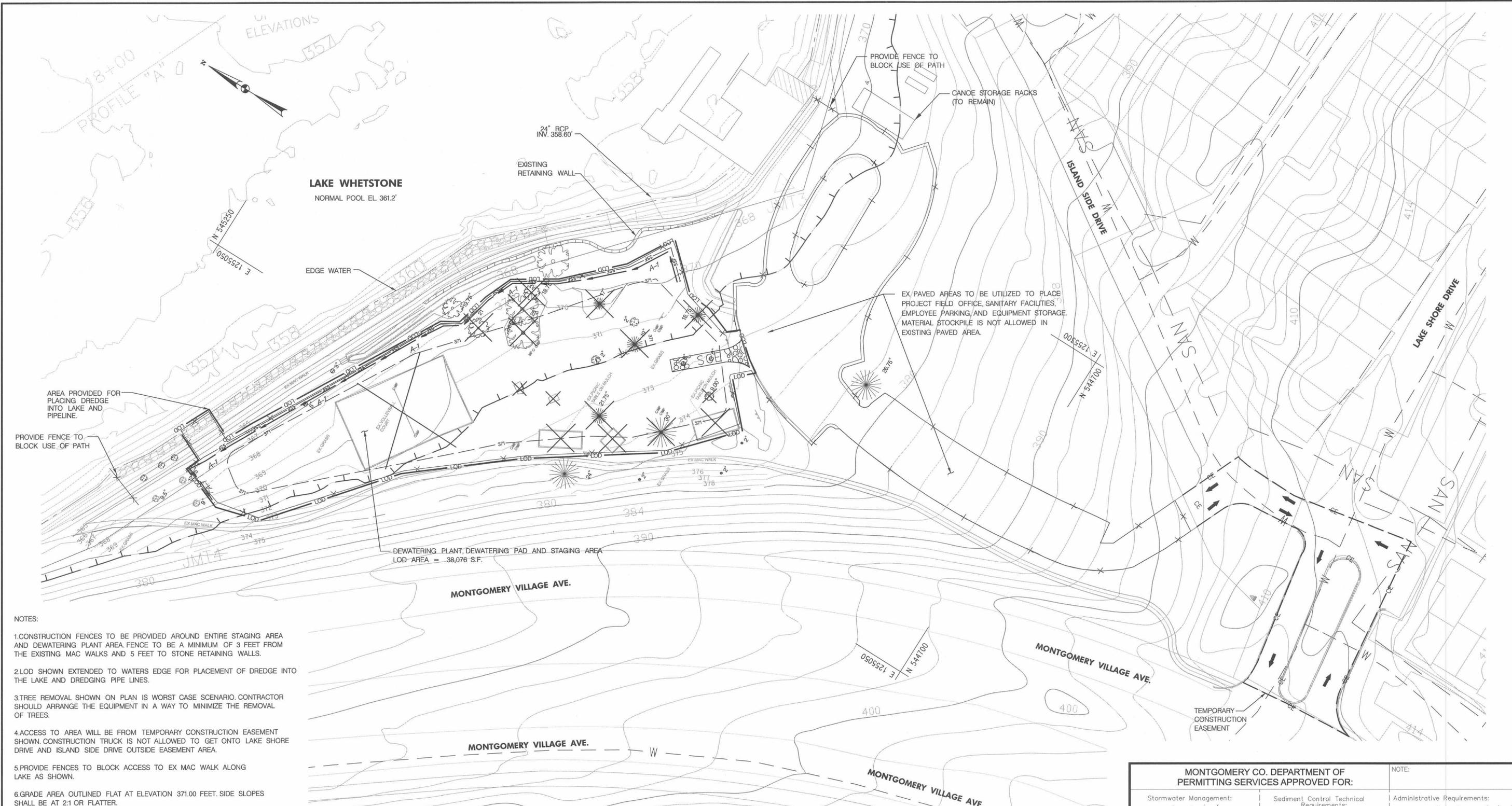
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LICENSE NO. 12711
EXPIRATION DATE: 11/22/15

NO.	REVISION	DATE	BY

MONTGOMERY COUNTY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
ROCKVILLE, MARYLAND

LAKE WHETSTONE
MAINTENANCE BY HYDRAULIC DREDGING
PARCEL: 130 LIBER: 10508 FOLIO: 103
EXISTING CONDITIONS
BORING AND SAMPLING PLAN

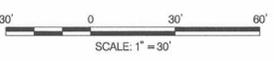
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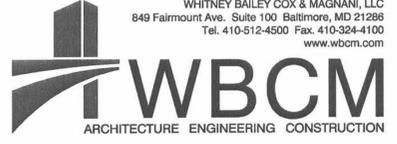


- NOTES:
1. CONSTRUCTION FENCES TO BE PROVIDED AROUND ENTIRE STAGING AREA AND DEWATERING PLANT AREA. FENCE TO BE A MINIMUM OF 3 FEET FROM THE EXISTING MAC WALKS AND 5 FEET TO STONE RETAINING WALLS.
 2. LOD SHOWN EXTENDED TO WATERS EDGE FOR PLACEMENT OF DREDGE INTO THE LAKE AND DREDGING PIPE LINES.
 3. 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	---	100 YEAR FLOOD BOUNDARY
A-7	EARTH DIKE	---	EXISTING RETAINING WALL
371	BOUNDARY AREA FOR LEVEL GRADING TO ELEVATION 371.00'	X	PICNIC TABLES AND MULCH AREAS TO BE TEMP. RELOCATED
SAN	SANITARY LINE	X	CHILDREN'S PLAY APPARATUS TO BE TEMP. RELOCATED
X	CONSTRUCTION FENCE	X	VOLLEYBALL COURT TO BE REMOVED OR PROTECTED
LOD	LIMIT OF DISTURBANCE		
SC	STABILIZED CONSTRUCTION ENTRANCE		
SSF	SUPER SILT FENCE		
W	WATER LINE		
(Tree symbol)	TREES TO BE REMOVED		




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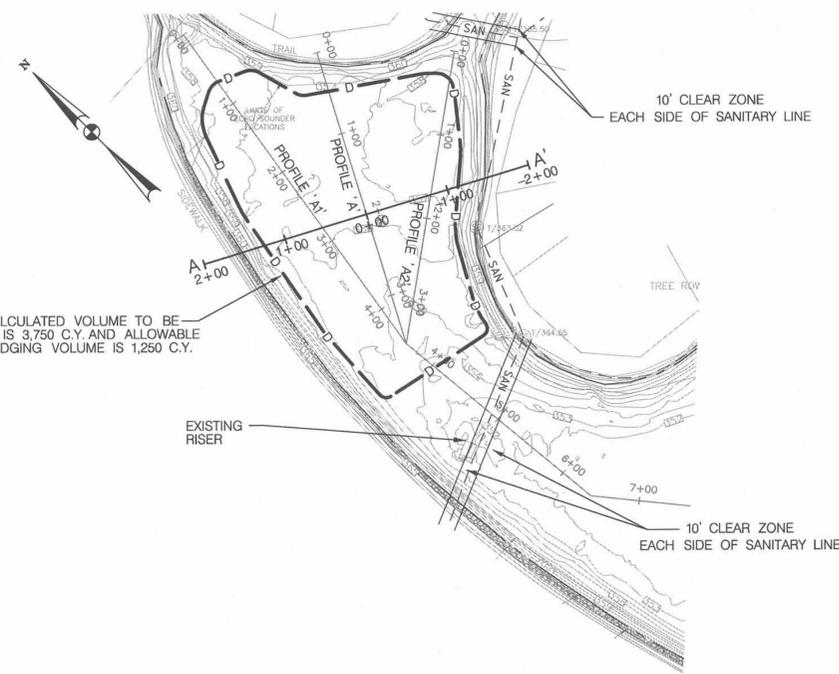


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MONTGOMERY CO. DEPARTMENT OF PERMITTING SERVICES APPROVED FOR:			NOTE:
Stormwater Management: <i>SW Maintenance</i>	Sediment Control Technical Requirements: <i>None 7/2/14</i>	Administrative Requirements: <i>None 7/2/14</i>	Reviewed <i>None 7/2/14</i> Date Reviewed <i>None 7/2/14</i> Date Approved <i>None 7/2/14</i> Date SEDIMENT CONTROL PERMIT NO. 259015 <small>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.</small>
Reviewed <i>None 7/2/14</i> Date	Reviewed <i>None 7/2/14</i> Date		
Approved <i>None 7/2/14</i> Date			

NO.	REVISION	DATE	BY

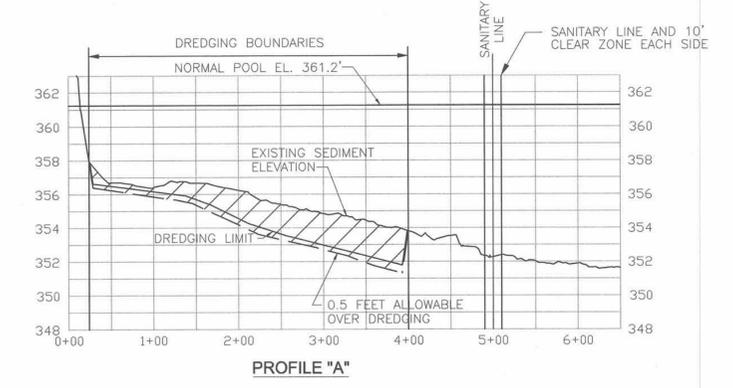
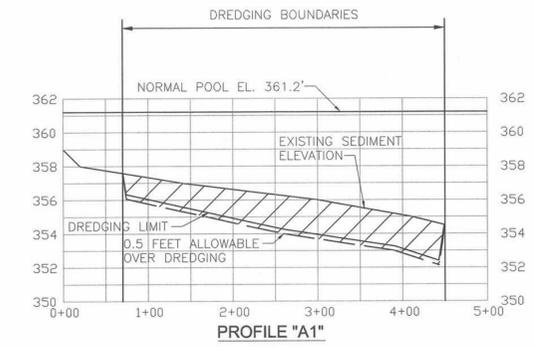
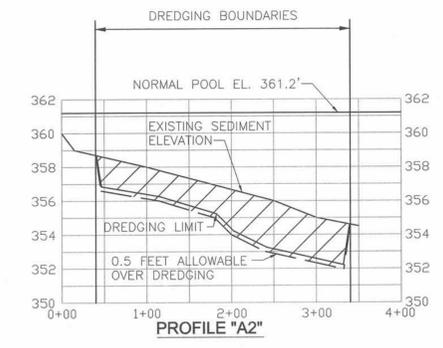
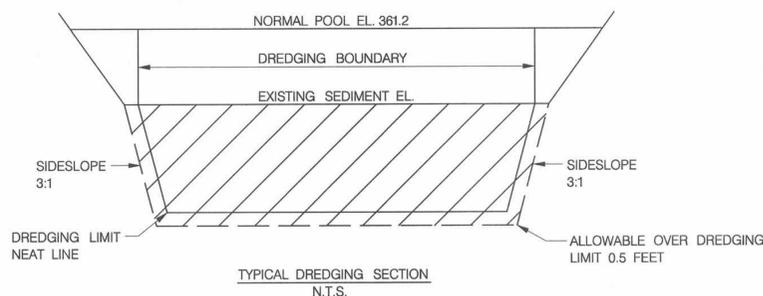
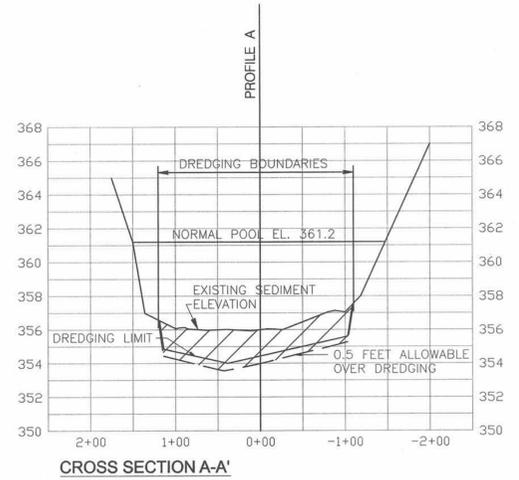
MONTGOMERY COUNTY
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 ROCKVILLE, MARYLAND
LAKE WHETSTONE
MAINTENANCE BY HYDRAULIC DREDGING
 PARCEL: 130 LIBER: 10508 FOLIO: 103
 STAGING AREA PLAN



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

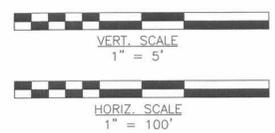
AREA 1 DREDGING PLAN
SCALE: 1" = 100'

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



- 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.
 - CONTRACTOR TO PLACE A TURBIDITY CURTAIN AT THE DREDGING AREAS TO LIMIT SEDIMENT SUSPENSION AND MOVEMENT.

- LEGEND
- AREA TO BE DREDGED
 - SEDIMENT TO BE DREDGED
 - SANITARY LINE
 - CROSS SECTIONS
 - PROFILE BASE LINES
 - ALLOWABLE OVER DREDGING LIMIT OF 0.5 FEET
 - DREDGING LIMIT NEATLINE



MONTGOMERY CO. DEPARTMENT OF PERMITTING SERVICES APPROVED FOR:			NOTE:
Stormwater Management: <i>SW Maintenance</i>	Sediment Control Technical Requirements: <i>MRE 7/2/14</i>	Administrative Requirements: <i>MRE 7/2/14</i>	<small>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.</small>
Reviewed <i>MRE 7/2/14</i> Date	Reviewed <i>MRE 7/2/14</i> Date	Reviewed <i>MRE 7/2/14</i> Date	
Approved <i>MRE 7/2/2014</i> Date	Approved <i>MRE 7/2/2014</i> Date	Approved <i>MRE 7/2/2014</i> Date	
S.M. FILE NO. _____ 259015 SEDIMENT CONTROL PERMIT NO.			

NO.	REVISION	DATE	BY

MONTGOMERY COUNTY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
ROCKVILLE, MARYLAND

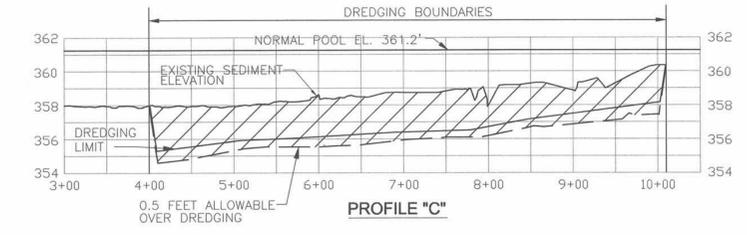
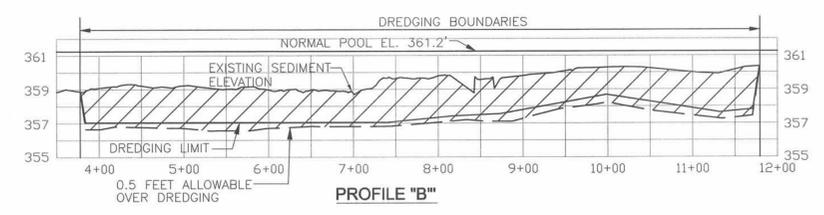
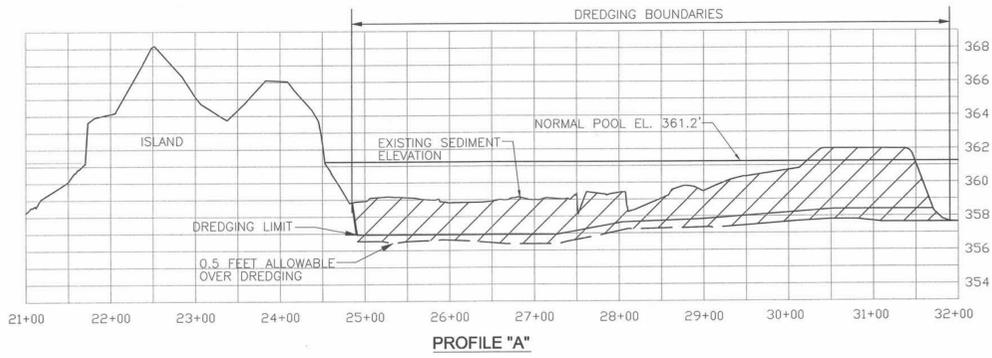
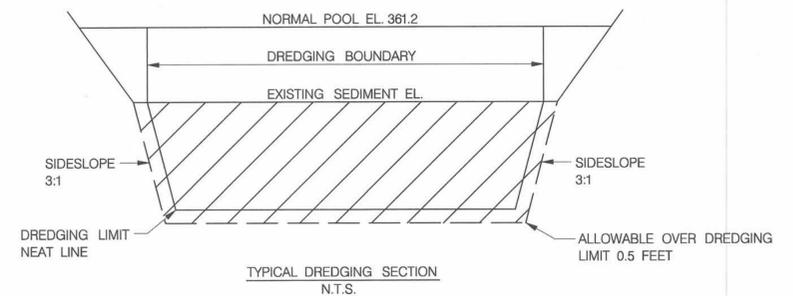
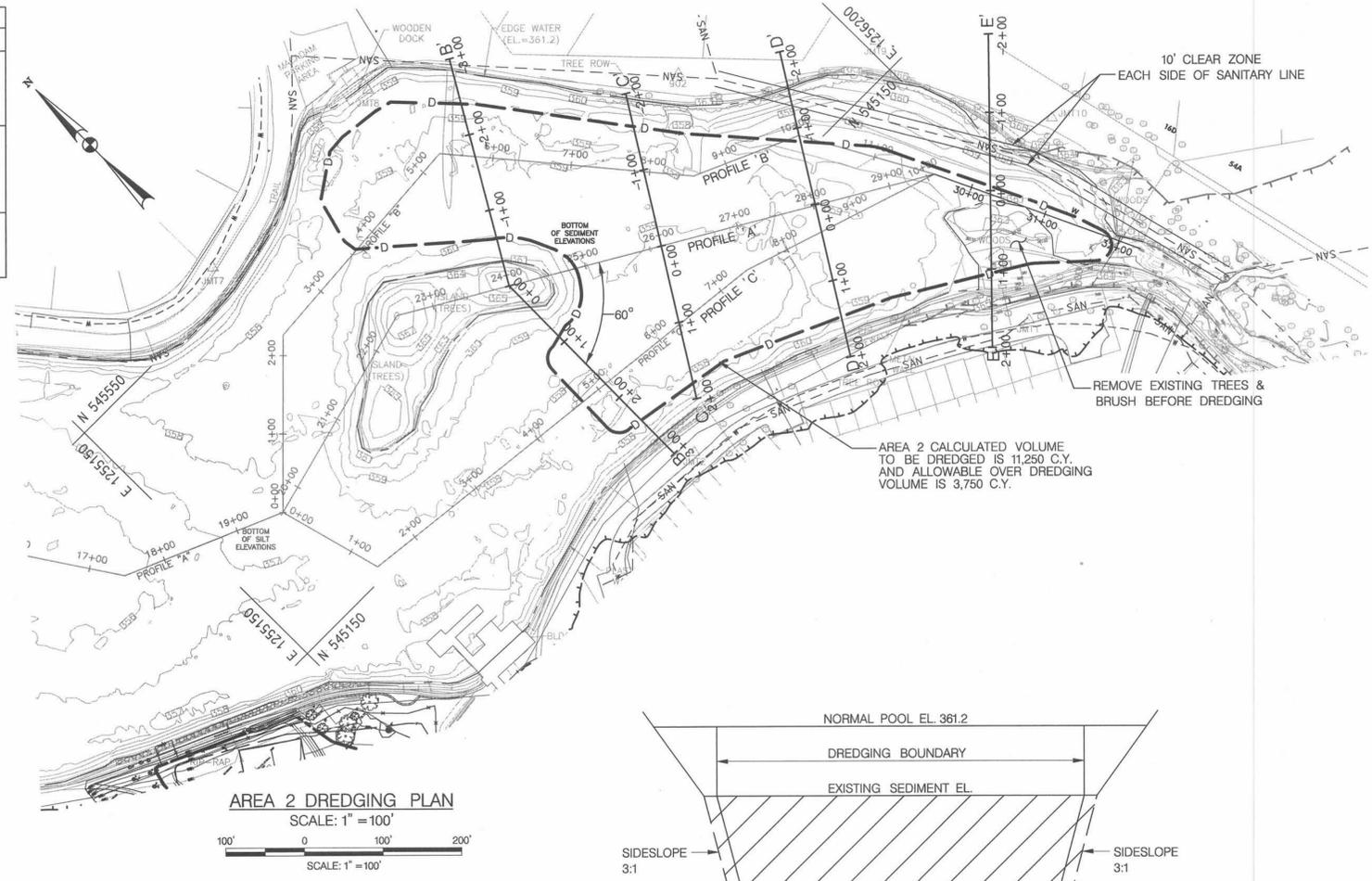
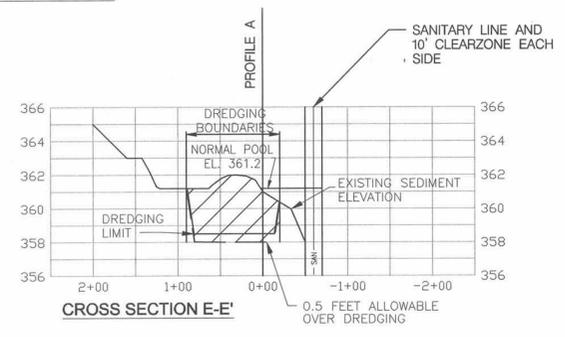
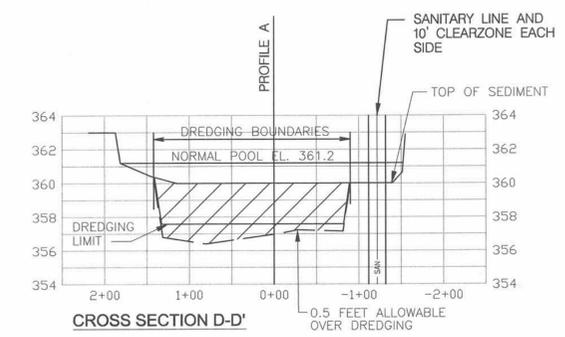
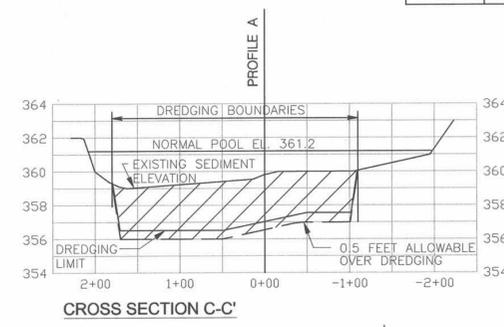
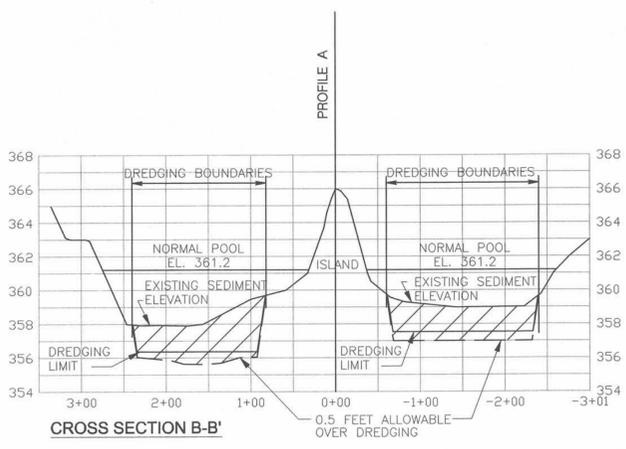
**LAKE WHETSTONE
MAINTENANCE BY HYDRAULIC DREDGING**
PARCEL: 130 LIBER: 10508 FOLIO: 103
AREA 1 DREDGING PLAN /PROFILES
AND CROSS SECTIONS

Designed by: *JK* Drawn by: *CY* Checked by: *JK* Project No.: _____ SHEET 6 of 11



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. 12711 EXPIRATION DATE: 11/22/15"

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'	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



- LEGEND**
- DREDGING AREA
 - 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

- 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 2 OF LAKE WHETSTONE IS 11,250 C.Y. AND THE ALLOWABLE OVER DREDGING VOLUME IS 3,750 C.Y. THE TOTAL VOLUME OF SEDIMENT TO BE DREDGED FROM AREA 2 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.
 - CONTRACTOR TO PLACE TURBIDITY CURTAIN AT THE DREDGING AREAS TO LIMIT SEDIMENT SUSPENSION AND MOVEMENT.

PROFILES AND CROSS SECTIONS

VERT. SCALE
1" = 5'

HORIZ. SCALE
1" = 100'

MONTGOMERY CO. DEPARTMENT OF PERMITTING SERVICES APPROVED FOR:			NOTE:
Stormwater Management: <i>SW Maintenance</i>	Sediment Control Technical Requirements: <i>WCC 7/2/14</i>	Administrative Requirements: <i>WCC 7/2/14</i>	Reviewed <i>WCC 7/2/14</i> Date 259015 SEDIMENT CONTROL PERMIT NO. <small>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.</small>
Reviewed <i>WCC 7/2/14</i> Date	Reviewed <i>WCC 7/2/14</i> Date		
Approved <i>WCC 7/2/14</i> Date	Approved <i>WCC 7/2/14</i> Date		
S.M.F. FILE NO.			



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NO.	REVISION	DATE	BY

MONTGOMERY COUNTY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
ROCKVILLE, MARYLAND

**LAKE WHETSTONE
MAINTENANCE BY HYDRAULIC DREDGING**
PARCEL: 130 LIBER: 10508 FOLIO: 103
AREA 2 DREDGING PLAN / PROFILES
AND CROSS SECTIONS

Designed by: JK Drawn by: CY Checked by: JK Project No.: SHEET 7 of 11

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 THEM OR THEIR REPRESENTATIVE, THEIR ENGINEER AND AN AUTHORIZED REPRESENTATIVE OF THE DEPARTMENT.
- THE PERMITTEE MUST OBTAIN INSPECTION AND APPROVAL BY 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 TIME 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.
- FOLLOWING INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION MUST BE COMPLETED WITHIN:
 - THREE (3) CALENDAR DAYS AS TO THE SURFACE OF ALL PERIMETER DIKES, SWALES, DITCHES, PERIMETER SLOPES AND ALL SLOPES STEEPER THAN 3 HORIZONTAL TO 1 VERTICAL (3:1); AND
 - SEVEN (7) CALENDAR DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE NOT UNDER ACTIVE GRADING 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 SEVEN (7) CALENDAR DAYS AFTER STRIPPING AND GRADING ACTIVITIES HAVE 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 STABILIZE ALL CONTRIBUTORY DISTURBED AREAS WITH REQUIRED SOIL AMENDMENTS AND TOPSOIL, USING SOD OR AN APPROVED PERMANENT SEED MIXTURE 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 SEVEN (7) 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 PERMIT, WORK, MATERIALS, APPROVED SOCSM PLANS, AND TEST REPORTS SHALL BE AVAILABLE AT THE SITE FOR INSPECTION BY DULY AUTHORIZED OFFICIALS OF 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 DOWN SLOPE WITHOUT CAUSING EROSION. DIKES SHALL BE INSTALLED AND MAINTAINED AT THE TOP OF CUT OR FILL SLOPES UNTIL THE SLOPE AND DRAINAGE AREA TO IT ARE FULLY STABILIZED, AT WHICH TIME THEY MUST BE REMOVED AND FINAL GRADING DONE TO PROMOTE SHEET FLOW 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 3 CALENDAR DAYS OF ESTABLISHMENT WITH SOD OR SEED WITH AN APPROVED EROSION CONTROL MATTING OR BY OTHER APPROVED STABILIZATION MEASURES.
- 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 OR ON RESIDENTIAL LOTS. 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 GROUND 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, AS 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 THE STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
- SEDIMENT TRAP(S)/BASIN(S) SHALL BE CLEANED OUT AND RESTORED TO THE ORIGINAL DIMENSIONS WHEN SEDIMENT HAS ACCUMULATED TO THE POINT OF ONE-HALF (1/2) THE WET STORAGE DEPTH OF THE TRAP/BASIN (1/4 THE WET STORAGE DEPTH FOR ST-III) OR WHEN REQUIRED BY THE SEDIMENT CONTROL INSPECTOR.
- SEDIMENT REMOVED FROM TRAP/BASINS 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 THAN 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 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 MDE "STANDARDS AND SPECIFICATIONS FOR SOIL PREPARATION, TOPSOILING, AND SOIL AMENDMENTS".

NOTES:

- 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 ONLY FOR THE PROJECT FIELD OFFICE, EQUIPMENT STORAGE, EMPLOYEE PARKING AND SANITARY FACILITIES. 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 SETUP WITHIN THE LOD AREA ACCORDING TO PLAN SHEET 5.
- CONTACT "MISS UTILITY" AT 1-800-257-7777 FORTY-EIGHT (48) HOURS PRIOR TO SETTING UP ANY EROSION AND SEDIMENT CONTROLS OR ANY GRADING.

SEQUENCE OF CONSTRUCTION
(SITE EXEMPT FROM THE FOREST CONSERVATION LAW)

SITE PREPARATION AND MOBILIZATION

- PRIOR TO CLEARING OF TREES, INSTALLING SEDIMENT CONTROL MEASURES, OR GRADING, A PRECONSTRUCTION MEETING MUST BE CONDUCTED ON-SITE WITH MONTGOMERY COUNTY DEPARTMENT OF PERMITTING SERVICES (MCDPS) SEDIMENT CONTROL INSPECTOR (240) 777-6210 (48 HOURS NOTICE), THE OWNERS REPRESENTATIVE AND THE DESIGN ENGINEER.
- THE LIMIT OF DISTURBANCE (LOD) MUST BE FIELD MARKED PRIOR TO PRECONSTRUCTION MEETING.
- CLEAR AND GRUB FOR THE INSTALLATION OF THE SEDIMENT CONTROL DEVICES.
- REMOVE EXISTING SIGN, BICYCLE RACK, PICNIC TABLES, STATUES AND VOLLEY BALL COURT NETPOSTS AND STORE THEM IN A SECURE PLACE FOR RESTORATION OF SITE AFTER CONSTRUCTION.
- INSTALL CONSTRUCTION FENCING AROUND ENTIRE STAGING AREA.
- INSTALL SEDIMENT CONTROL DEVICES. INSTALL STABILIZED CONSTRUCTION ENTRANCE, SUPER SILT FENCE, AND EARTH DIKE.
- ONCE THE SEDIMENT CONTROL DEVICES ARE INSTALLED, THE PERMITTEE MUST OBTAIN WRITTEN APPROVAL FROM MCDPS INSPECTOR BEFORE PROCEEDING WITH ANY ADDITIONAL CLEARING OR GRUBBING.
- SETUP CONSTRUCTION OFFICE AND FACILITIES WITHIN PARKING LOT.
- GRADE DEWATERING PLANT AREA FOR DEWATERING PLANT EQUIPMENT SETUP.
- CONSTRUCT DEWATERING PLANT, DEWATERING PAD AND STAGING AREA FACILITIES.
- OBTAIN WRITTEN APPROVAL FROM MCDPS INSPECTOR AFTER THE STAGING AREA AND FACILITIES ARE CONSTRUCTED PRIOR TO BEGINNING ANY DREDGING OF LAKE WHETSTONE.

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.
- INSTALL TURBIDITY CURTAIN FOR AREA 1. 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.
- INSTALL TURBIDITY CURTAIN FOR AREA 2. COMMENCE DREDGING OPERATIONS IN AREA NO.2. DREDGING IN AREA 2 MUST BE COMPLETED BY JANUARY 1ST.
- IN AREA NO.2 A CALCUATED 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 WRITTEN APPROVAL OF THE 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.
- STABILIZE AREAS WITH TOPSOIL SEED AND MULCH. RESTORE RECREATIONAL AREA PER RESTORATION PLAN.
- 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.
- WITH THE WRITTEN APPROVAL OF THE SEDIMENT CONTROL INSPECTOR, REMOVE THE EROSION AND SEDIMENT CONTROL PRACTICES INCLUDING THE SCE

MONTGOMERY CO. DEPARTMENT OF PERMITTING SERVICES APPROVED FOR:		NOTE:
Stormwater Management: <i>SW Maintenance</i>	Sediment Control Technical Requirements: <i>WCE 7/2/14</i>	Administrative Requirements: <i>WCE 7/2/14</i>
Reviewed <i>WCE</i> 7/2/14 Date	Reviewed <i>WCE</i> 7/2/14 Date	Reviewed <i>WCE</i> 7/2/14 Date
Approved <i>[Signature]</i> 7/2/2014 Date	Reviewed <i>[Signature]</i> 7/2/2014 Date	259015 SEDIMENT CONTROL PERMIT NO.
SHEET 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

MONTGOMERY COUNTY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
ROCKVILLE, MARYLAND

LAKE WHETSTONE
MAINTENANCE BY HYDRAULIC DREDGING
PARCEL: 130 LIBER: 10508 FOLIO: 103
EROSION AND SEDIMENT CONTROL
GENERAL NOTES AND SEQUENCE OF CONSTRUCTION

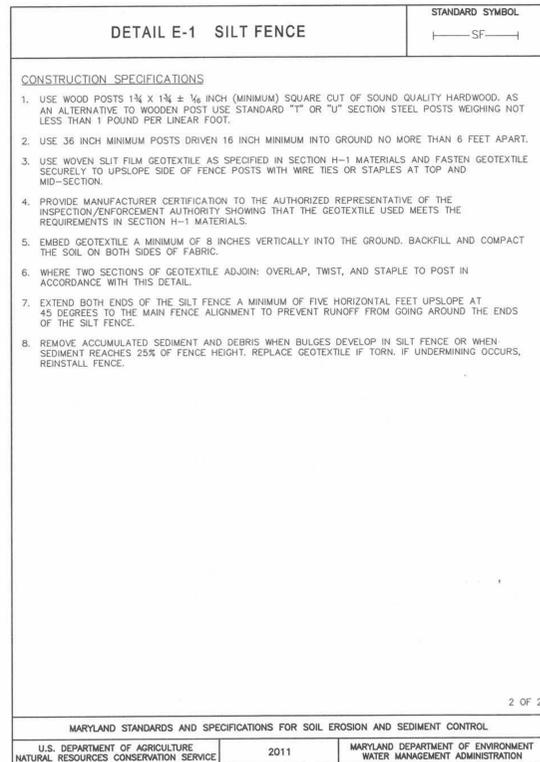
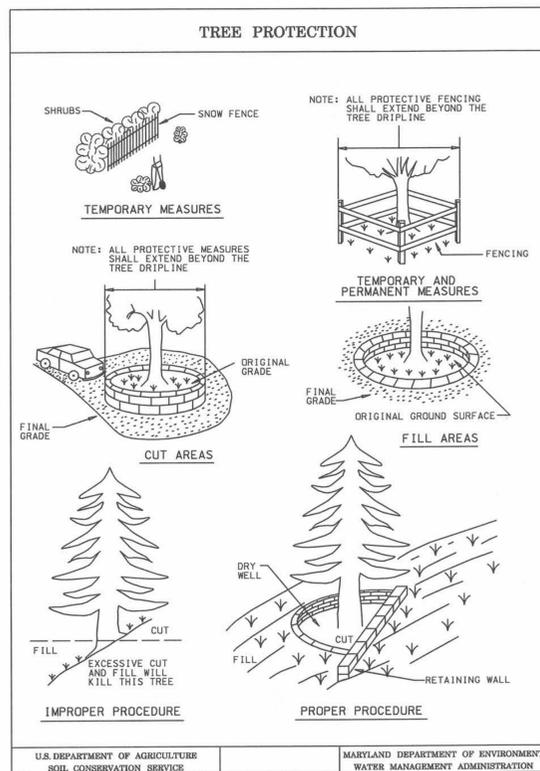
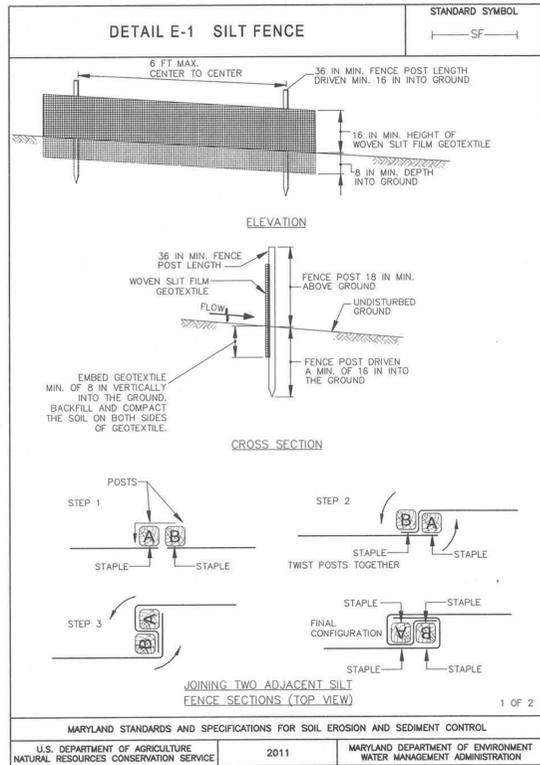
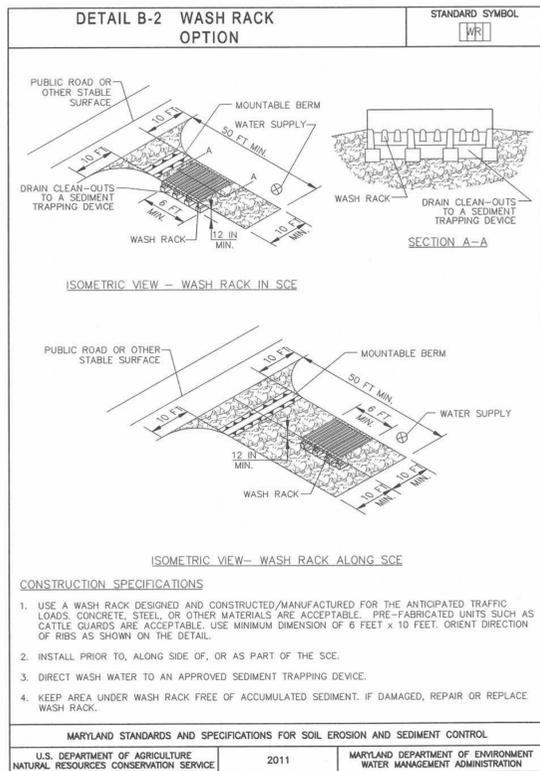
Project No.: _____ SHEET 8 of 11

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. 12711
EXPIRATION DATE: 11/22/15



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

WBCM
ARCHITECTURE ENGINEERING CONSTRUCTION



MONTGOMERY CO. DEPARTMENT OF PERMITTING SERVICES APPROVED FOR:			NOTE:
Stormwater Management: <i>SW Maintenance</i>	Sediment Control Technical Requirements: <i>WCC 7/2/14</i>	Administrative Requirements: <i>WCC 7/2/14</i>	Reviewed <i>WCC 7/2/14</i> Date Reviewed <i>WCC 7/2/14</i> Date Approved <i>7/2/14</i> Date SM FILE NO.
Reviewed <i>WCC 7/2/14</i> Date	Reviewed <i>WCC 7/2/14</i> Date	Reviewed <i>WCC 7/2/14</i> Date	
Approved <i>7/2/14</i> Date	Approved <i>7/2/14</i> Date	Approved <i>7/2/14</i> Date	
259015 SEDIMENT CONTROL PERMIT NO.			

MDPS APPROVAL OF PLAN WILL EXPIRE ONE YEAR FROM THE DATE OF APPROVAL IF THE PROJECT HAS NOT STARTED - UNLESS THE PERMIT HAS BEEN EXTENDED.



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NO.	REVISION	DATE	BY

MONTGOMERY COUNTY
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
 ROCKVILLE, MARYLAND

LAKE WHETSTONE
MAINTENANCE BY HYDRAULIC DREDGING
 PARCEL: 130 LIBER: 10508 FOLIO: 103
 EROSION AND SEDIMENT CONTROL DETAILS

Designed by: *JK* Drawn by: *CY* Checked by: *JK* Project No.: _____ SHEET 10 of 11



LAKE WHETSTONE
NORMAL POOL EL. 361.2'

EXISTING
RETAINING WALL
24" RCP
INV. 358.60'



- RESTORATION NOTES:**
1. AREA WITHIN THE LIMIT OF DISTURBANCE (LOD) TO BE RESTORED TO EXISTING CONDITIONS PER THIS PLAN.
 2. REPLACE TREES REMOVED WITHIN THE LOD AREA WITH THE SAME SPECIES OF TREES AS IN EXISTING CONDITIONS.
 3. REINSTALL SIGNS, TRASH CANS, BICYCLE RACK, AND TWO PLAYGROUND STATUES (DOLPHIN AND TURTLE).
 4. RECONSTRUCT VOLLEYBALL COURT AREA. SURROUND PERIMETER OF COURT WITH 8" x 8" LANDSCAPE TIMBERS AND PROVIDE CLEAN SAND FOR THE COURT AREA. REINSTALL VOLLEYBALL POSTS AND NET.
 5. RECONSTRUCT PICNIC TABLE AREAS AS SHOWN. THE PERIMETERS ARE TO BE SURROUNDED BY 8" x 8" LANDSCAPE TIMBERS AND THE AREA IS TO BE FILLED WITH SHREDDED HARDWOOD BARK MULCH. PLACE PICNIC TABLES IN EACH AREA AS NOTED.
 6. RESTORE REMAINING GROUND AREAS WITHIN THE LOD WITH SEED AND MULCH.
 7. PATCH/REPAIR THE ROADWAY AREA AS DIRECTED BY MCDPEP.



- LEGEND**
- LIMIT OF DISTURBANCE — LOD —
 - PICNIC TABLE AREA WITH NUMBER OF TABLES [3]
 - VOLLEYBALL COURT AREA []
 - DOLPHIN AND TURTLE STATUES []
 - SIGN []
 - BIKE RACKS []
 - TRASH CANS + TC
 - 8" BY 8" TIMBERS []

- TREE LEGEND**
- DECIDUOUS TREE []
 - FIR TREE []
 - ORNAMENTAL CRAB APPLE TREE []



PROFESSIONAL CERTIFICATION
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MONTGOMERY CO. DEPARTMENT OF PERMITTING SERVICES APPROVED FOR:			NOTE:
Stormwater Management: <i>SW Maintenance</i>	Sediment Control Technical Requirements: <i>WPC 7/2/14</i>	Administrative Requirements: <i>WPC 7/2/14</i>	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.
Reviewed <i>WPC 7/2/14</i>	Reviewed <i>WPC 7/2/14</i>	Reviewed <i>WPC 7/2/14</i>	
Approved <i>WPC 7/2/14</i>	Reviewed <i>WPC 7/2/14</i>	Reviewed <i>WPC 7/2/14</i>	
S.M. FILE NO. _____			259015 SEDIMENT CONTROL PERMIT NO.

NO.	REVISION	DATE	BY

MONTGOMERY COUNTY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
ROCKVILLE, MARYLAND

LAKE WHETSTONE
MAINTENANCE BY HYDRAULIC DREDGING
PARCEL: 130 LIBER: 10508 FOLIO: 103
RESTORATION PLAN

Designed by: *JK* Drawn by: *CY* Checked by: *JK* Project No.: _____ SHEET 11 of 11

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