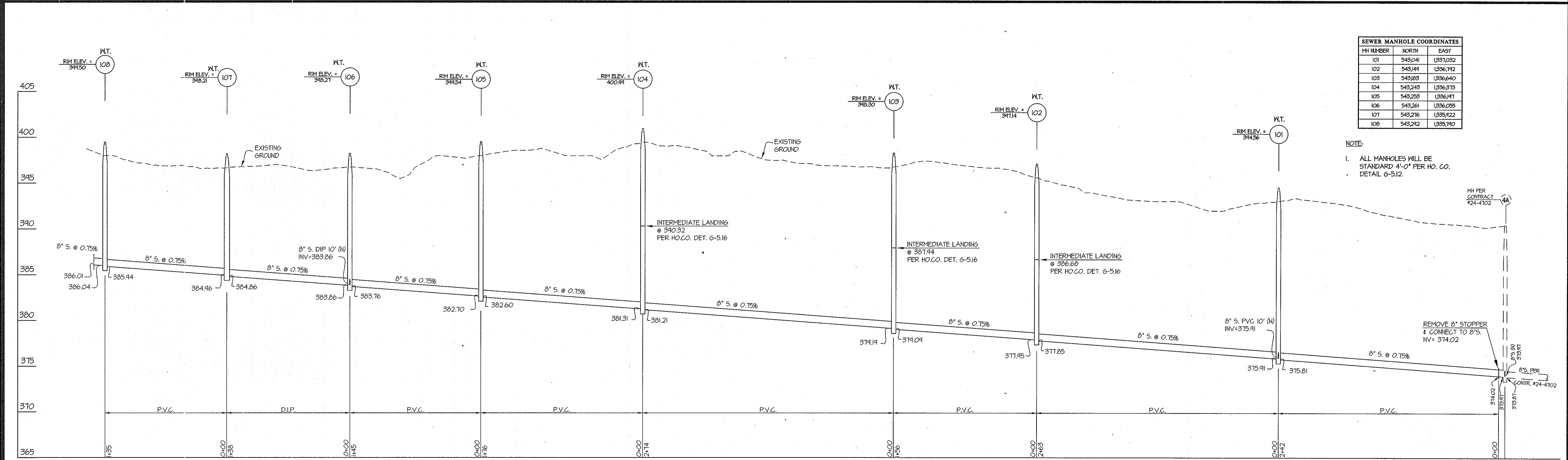


PLAN VIEW SCALE: 1" = 50'



PROFILES SCALE: 1" = 50' HORIZ. 1" = 5' VERT.

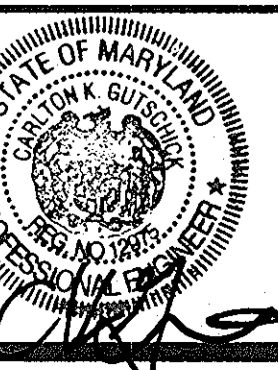
PREPARED FOR:  
MAPLE LAWN FARMS I, LLC  
SUITE 300 WOODHOLME CENTER  
1829 REISTERSTOWN ROAD  
BALTIMORE, MD 21208  
ATTN: MARK BENNETT  
410-484-8400

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND  
Silvia Cleam  
CHIEF, BUREAU OF UTILITIES  
DATE: 11/2/12

DEPARTMENT OF PLANNING AND ZONING  
HOWARD COUNTY, MARYLAND  
DATE: 11/16/12

**GLW** GUTSCHICK LITTLE & WEBER, P.A.  
CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS  
3909 NATIONAL DRIVE - SUITE 250 - BURTONSVILLE OFFICE PARK  
BURTONSVILLE, MARYLAND 20886  
TEL: 301-421-4024 BALT. 410-880-1820 DC/VA 301-989-2524 FAX: 301-421-4186

DATE: OCT., 2012  
PROFESSIONAL CERTIFICATION  
I HEREBY CERTIFY THAT THESE PLANS 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. 12975  
EXP. DATE: MAY 26, 2014  
G.L.W. No. 11001

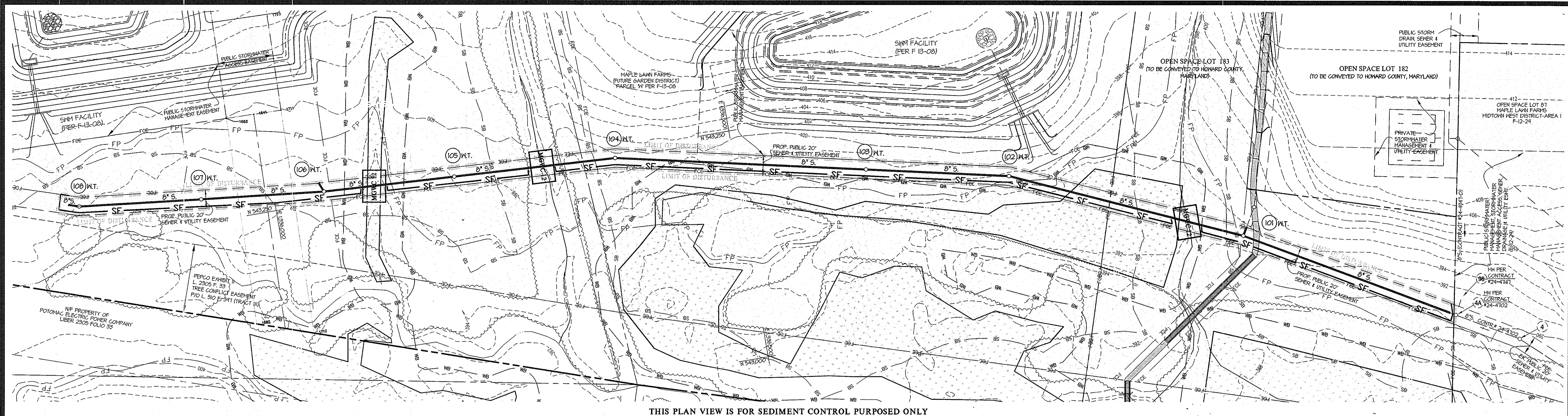


NO.	REVISION	DATE

600' SCALE MAP NO. 41    BLOCK NO. 20 & 21

**MAPLE LAWN FARMS**  
CONTRACT No. 20-4748-D  
(PHASE I)  
MIDTOWN WEST DISTRICT SEWER EXTENSION  
LOTS 93 - 177, OPEN SPACE LOTS 178 - 183,  
COMMON OPEN AREA LOTS 184 - 186  
AND NON-BUILDABLE BULK PARCEL W  
HOWARD COUNTY, MARYLAND  
ELECTION DISTRICT NO. 5  
SCALE AS SHOWN  
SHEET 2 OF 3

L:\CAD\DRAWINGS\11001\SPINAL PHASE 1-SEWER EXTENSION\11001-FS-PLAN AND PROFILE.DWG, PLOTTED: 11/16/2012 3:08 PM, LAST SAVED: 11/16/2012 2:51 PM, PLOTTED BY: Jennifer A. Beck



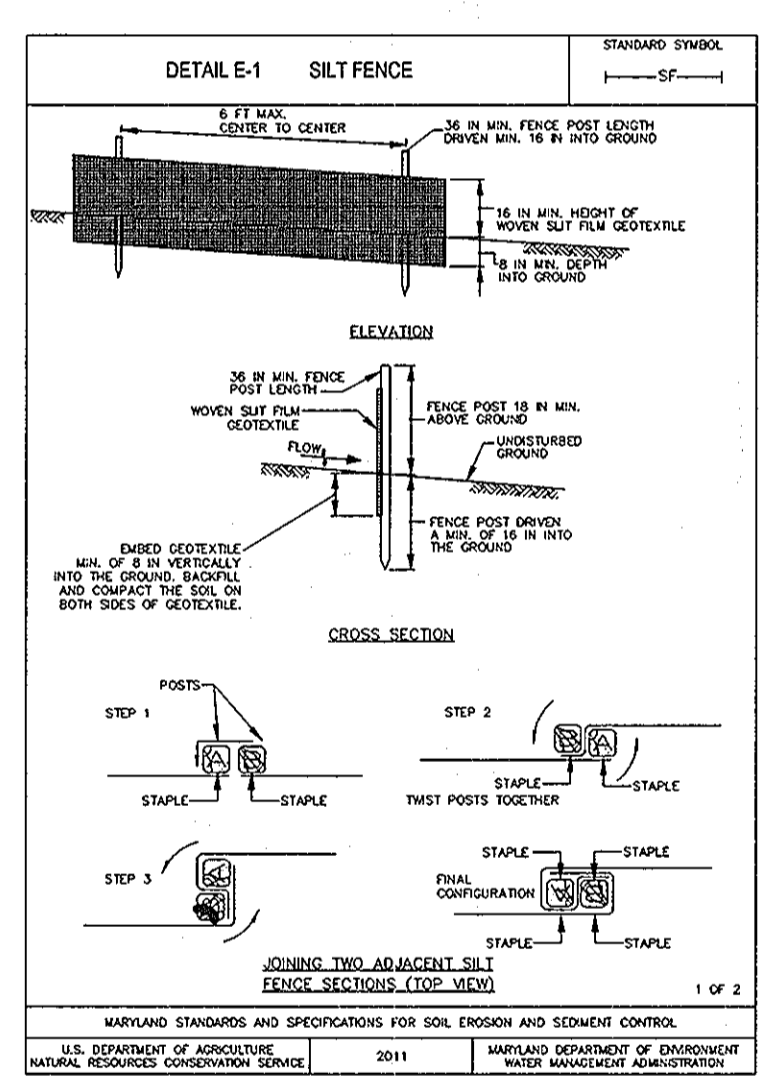
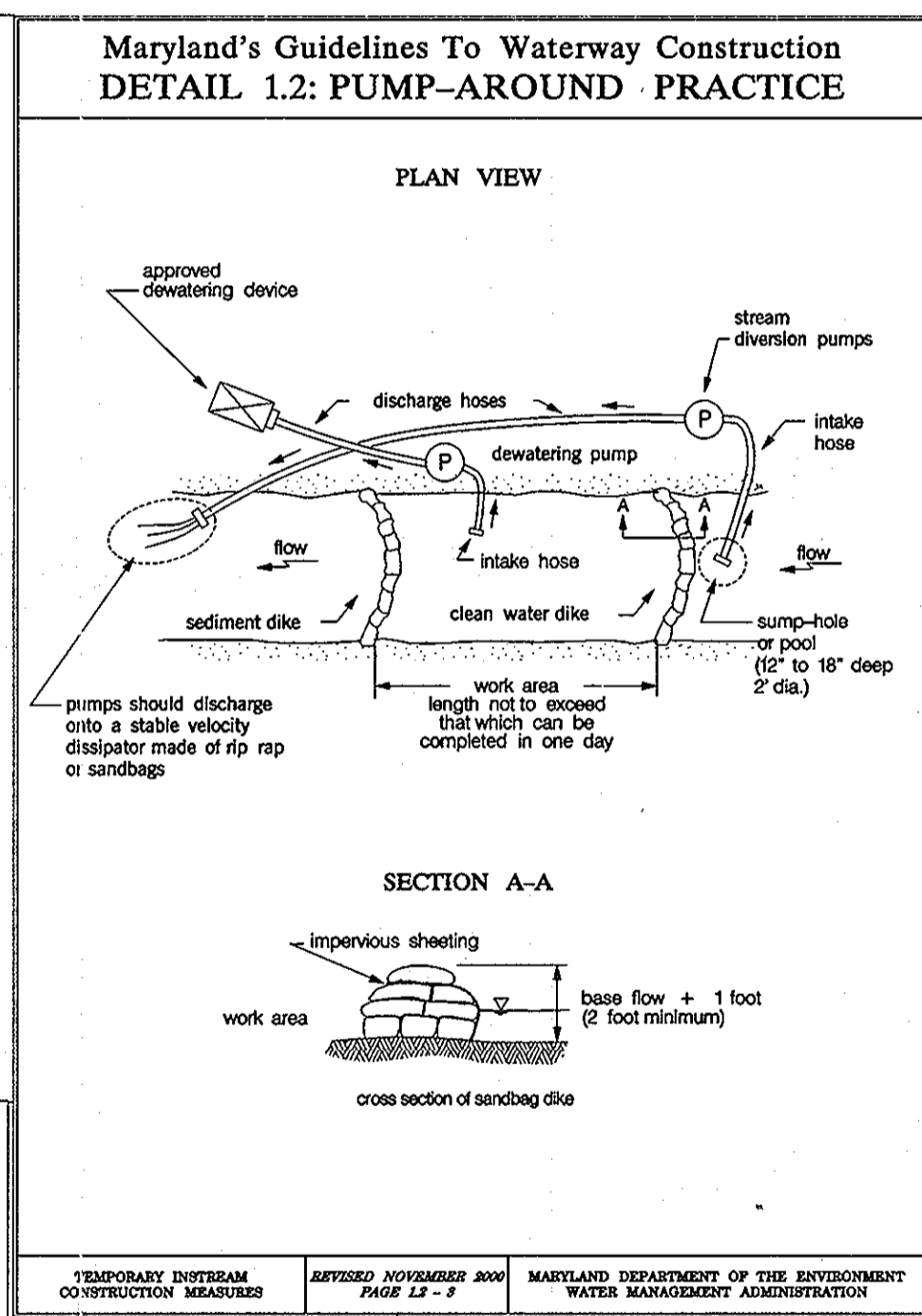
THIS PLAN VIEW IS FOR SEDIMENT CONTROL PURPOSED ONLY  
 SEDIMENT CONTROL PLAN VIEW SCALE: 1" = 50'

**MGWC 1.2: PUMP-AROUND PRACTICE**

**DESCRIPTION**  
 The work should consist of installing a temporary pump around and supporting measures to divert flow around in-stream construction sites.

**IMPLEMENTATION SEQUENCE**  
 Sediment control measures, pump-around practices, and associated channel and bank construction should be completed in the following sequence (refer to Detail 1.2):

1. Construction activities including the installation of erosion and sediment control measures should not begin until all necessary easements and right-of-way have been acquired. All existing utilities should be marked in the field prior to construction. The contractor is responsible for any damage to existing utilities that may result from construction and should repair the damage at his/her own expense to the county's or utility company's satisfaction.
2. The contractor should notify the Maryland Department of the Environment or WMA sediment control inspector at least 5 days before beginning construction. Additionally, the contractor should inform the local environmental protection and resource management inspection and enforcement division and the provider of local utilities a minimum of 48 hours before starting construction.
3. The contractor should conduct a pre-construction meeting on site with the WMA sediment control inspector, the county project manager, and the engineer to review limits of disturbance, erosion and sediment control requirements, and the sequence of construction. The contractor should take out all limits of disturbance prior to the pre-construction meeting so they may be reviewed. The participants will also designate the contractor's staging areas and flag all trees within the limit of disturbance which will be removed for construction access. Trees should not be removed within the limit of disturbance without approval from the WMA or local authority.
4. Construction should not begin until all sediment and erosion control measures have been installed and approved by the engineer and the sediment control inspector. The contractor should stay within the limits of the disturbance as shown on the plans and minimize disturbance within the work area whenever possible.
5. Upon installation of all sediment control measures and approval by the sediment control inspector and the local environmental protection and resource management inspection and enforcement division, the contractor should begin work at the upstream section and proceed downstream beginning with the establishment of stabilized construction entrances. In some cases, work may begin downstream if appropriate. The sequence of construction must be followed unless the contractor gets written approval for deviations from the WMA or local authority. The contractor should only begin work in an area which can be completed by the end of the day including grading adjacent to the channel. At the end of each work day, the work area must be stabilized and the pump around removed from the channel. Work should not be conducted in the channel during rain events.
6. Sandbag dikes should be situated at the upstream and downstream ends of the work area as shown on the plans, and stream flow should be pumped around the work area. The pump should discharge onto a stable velocity dissipater made of riprap or sandbags.
7. Water from the work area should be pumped to a sediment filtering measure such as a dewatering basin, sediment bag, or other approved source. The measure should be located such that the water drains back into the channel before the downstream sandbag dike.
8. Traversing a channel reach with equipment within the work area where no work is proposed should be avoided. If equipment has to traverse such a reach for access to another area, then timber mats or similar measures should be used to minimize disturbance to the channel. Temporary stream crossings should be used only when necessary and only where noted on the plans or specified. (See Section 4, Stream Crossings, Maryland Guidelines to Waterway Construction).
9. All stream restoration measures should be installed as indicated by the plans and all banks graded in accordance with the grading plans and typical cross-sections. All grading must be stabilized at the end of each day with seed and mulch or seed and matting as specified on the plans.
10. After an area is completed and stabilized, the clean water dike should be removed. After the first sediment flush, a new clean water dike should be established upstream from the old sediment dike. Finally, upon establishment of a new sediment dike below the old one, the old sediment dike should be removed.
11. A pump around must be installed on any tributary or storm drain outfall which contributes baseflow to the work area. This should be accomplished by locating a sandbag dike at the downstream end of the tributary or storm drain outfall and pumping the stream flow around the work area. This water should discharge onto the same velocity dissipater used for the main stem pump around.
12. If a tributary is to be restored, construction should take place on the tributary before work on the main stem reaches the tributary confluence. Construction in the tributary, including pump around practices, should follow the same sequence as for the main stem of the river or stream. When construction on the tributary is completed, work on the main stem should resume. Water from the tributary should continue to be pumped around the work area to the main stem.
13. The contractor is responsible for providing access to and maintaining all erosion and sediment control devices until the sediment control inspector approves their removal.
14. After construction, all disturbed areas should be regraded and revegetated as per the planting plan.



**CONSTRUCTION SPECIFICATIONS**

1. USE WOOD POSTS 1 1/2\"/>
2. USE 36 INCH WIDEX POSTS DRIVEN 16 INCH WIDEX INTO GROUND NO MORE THAN 6 FEET APART.
3. USE WOVEN SUEY FIBER GEOTEXTILE AS SPECIFIED IN SECTION 9-1.4 MATERIALS AND FASTEN GEOTEXTILE SECURELY TO UPSTREAM SIDE OF FENCE POSTS WITH WIRE NAILS OR STAPLES AT TOP AND MID-SECTION.
4. PROVIDE MANUFACTURER'S SPECIFICATION TO THE AUTHORIZED REPRESENTATIVE OF THE INSPECTION/ENFORCEMENT AUTHORITY SHOWING THAT THE GEOTEXTILE MEETS THE REQUIREMENTS IN SECTION 9-1.4 MATERIALS.
5. DRIVE GEOTEXTILE A MINIMUM OF 8 INCHES VERTICALLY INTO THE GROUND, BACKFILL AND COMPACT THE SOIL ON BOTH SIDES OF FENCE.
6. WHERE TWO SECTIONS OF GEOTEXTILE ADJOIN, OVERLAP, TEST, AND STAPLE TO POST IN ACCORDANCE WITH THIS DETAIL.
7. FENCING BEHIND ENDS OF THE SILT FENCE A MINIMUM OF FIVE HORIZONTAL FEET UPSTREAM AT AN ANGLE TO THE MAIN FENCE ALIGNMENT TO PREVENT RUNOFF FROM GOING AROUND THE ENDS OF THE SILT FENCE.
8. REMOVE ACCUMULATED SEDIMENT AND DEBRIS WHICH BUILD UP IN SILT FENCE OR WHICH SIGNIFICANTLY REDUCE SIZE OF FENCE MOUTH. REMOVE GEOTEXTILE IF 5\"/>

2 OF 2

L:\CAD\DRAWINGS\11001\MS\FINAL\PHASE 1 - SEWER EXTENSION\11001-01-FS-PLAN AND PROFILE.DWG  
 PLOTTED: 11/17/2011 3:09 PM, LAST SAVED: 11/17/2011 2:51 PM, PLOTTED BY: JENNIFER R. DICKS

**DEPARTMENT OF PUBLIC WORKS**  
 HOWARD COUNTY, MARYLAND

Silvia Chen  
 CHIEF, BUREAU OF UTILITIES  
 DATE: 11/16/13

**DEPARTMENT OF PLANNING AND ZONING**  
 HOWARD COUNTY, MARYLAND

DATE: 11/16/13

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 CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS  
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DATE: OCT., 2012  
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**PROFESSIONAL CERTIFICATION**  
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 EXP. DATE: MAY 26, 2014

11-7-12



BY	NO	REVISION	DATE

**SEDIMENT CONTROL PLAN FOR SEWER**

600' SCALE MAP NO. 41 BLOCK NO. 20 & 21

**MAPLE LAWN FARMS**  
 CONTRACT No. 20-4748-D  
 (PHASE 1)  
 MIDTOWN WEST DISTRICT SEWER EXTENSION  
 LOTS 93 - 177, OPEN SPACE LOTS 178 - 183,  
 COMMON OPEN AREA LOTS 184 - 186  
 AND NON-BUILDABLE BULK PARCEL W  
 HOWARD COUNTY, MARYLAND  
 ELECTION DISTRICT No. 5

SCALE: 1" = 50'  
 SHEET: 3 OF 3

PREPARED FOR:  
 MAPLE LAWN FARMS I, LLC  
 SUITE 300 WOODHOLME CENTER  
 1829 REISTERSTOWN ROAD  
 BALTIMORE, MD 21208  
 ATTN: MARK BENNETT  
 410-484-8400