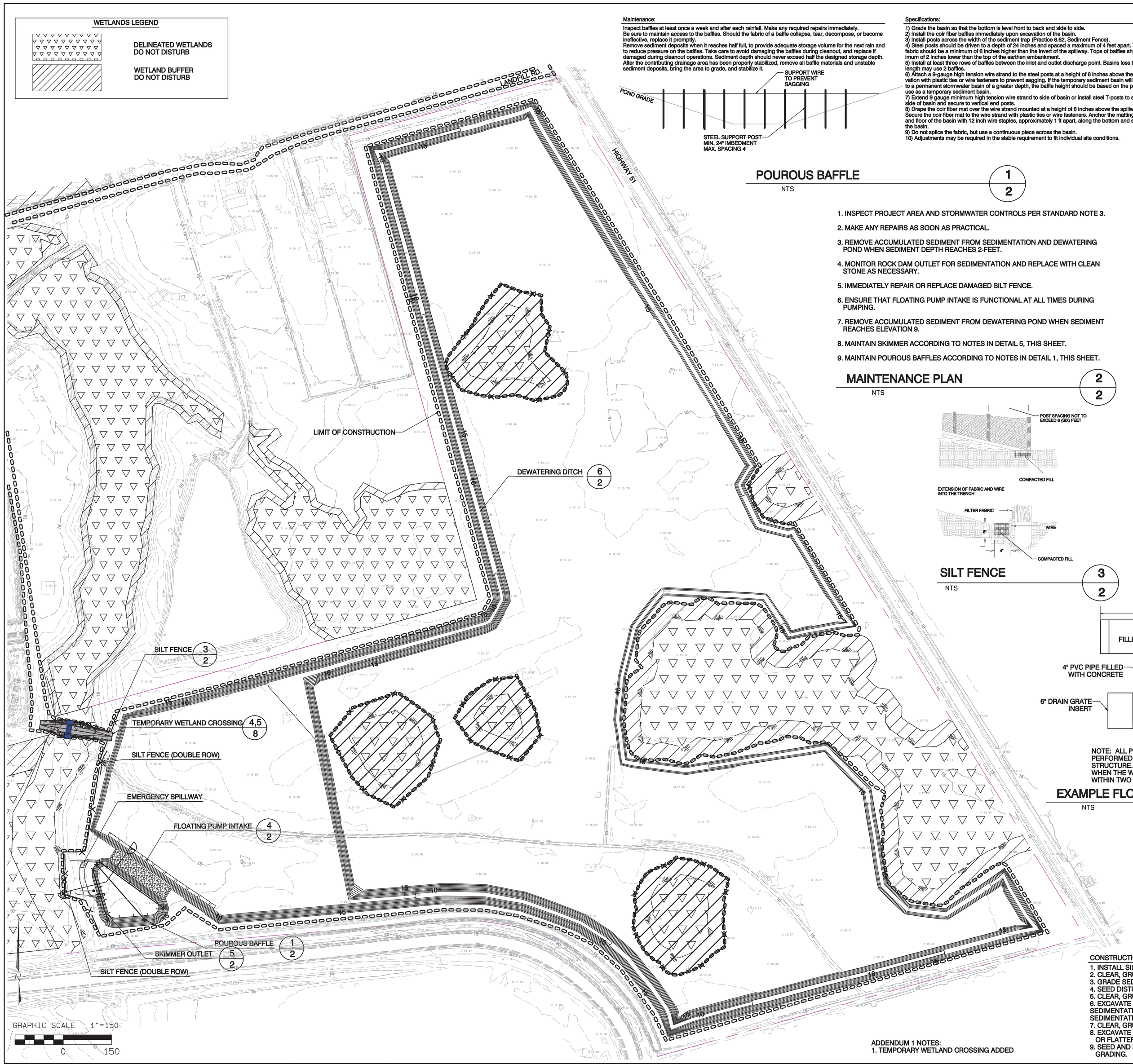


Maintenance:

Inspect baffles at least once a week and after each rainfall. Make any required repairs immediately. Be sure to maintain access to the baffles. Should the fabric of a baffle collapse, tear, decompose, or become ineffective, replace it promptly.
Remove sediment deposits when it reaches half full, to provide adequate storage volume for the next rain and to reduce pressure on the baffles. Take care to avoid damaging the baffles during cleanout, and replace if damaged during cleanout operations. Sediment depth should never exceed half the designed storage depth. After the contributing drainage area has been properly stabilized, remove all baffle materials and unstable sediment deposits, bring the area to grade, and stabilize it.

POUROUS BAFFLE 1/2

NTS

Specifications:

1) Grade the basin so that the bottom is level front to back and side to side.
2) Install the coir fiber baffles immediately upon excavation of the basin.
3) Install posts across the width of the sediment trap (Practice 6.62, Sediment Fence).
4) Steel posts should be driven to a depth of 24 inches and spaced a maximum of 4 feet apart. The top of the fabric should be a minimum of 6 inches higher than the invert of the spillway. Tops of baffles should be a minimum of 2 inches lower than the top of the earthen embankment.
5) Install at least three rows of baffles between the inlet and outlet discharge point. Basins less than 20 feet in length may use 2 baffles.
6) Attach a 9-gauge high tension wire strand to the steel posts at a height of 6 inches above the spillway elevation with plastic ties or wire fasteners to prevent sagging. If the temporary sediment basin will be converted to a permanent stormwater basin of a greater depth, the baffle height should be based on the pool depth during use as a temporary sediment basin.
7) Extend 9 gauge minimum high tension wire strand to side of basin or install steel T-posts to anchor baffle to side of basin and secure to vertical end posts.
8) Drape the coir fiber mat over the wire strand mounted at a height of 6 inches above the spillway elevation. Secure the coir fiber mat to the wire strand with plastic ties or wire fasteners. Anchor the matting to the sides and floor of the basin with 12 inch wire staples, approximately 1 ft apart, along the bottom and side slopes of the basin.
9) Do not splice the fabric, but use a continuous piece across the basin.
10) Adjustments may be required in the stable requirement to fit individual site conditions.

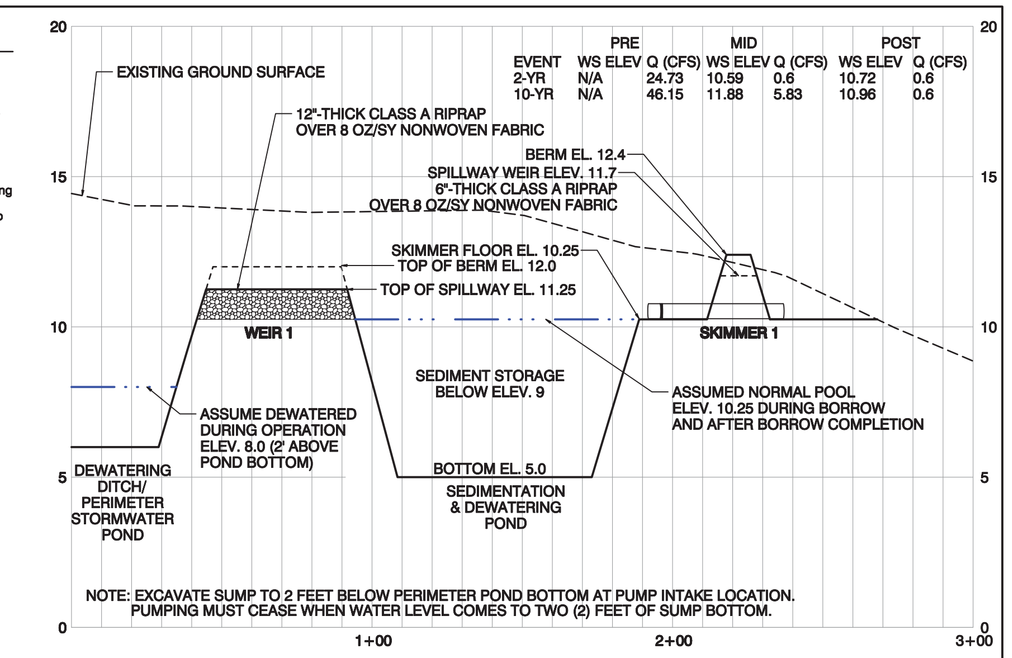
1. INSPECT PROJECT AREA AND STORMWATER CONTROLS PER STANDARD NOTE 3.
2. MAKE ANY REPAIRS AS SOON AS PRACTICAL.
3. REMOVE ACCUMULATED SEDIMENT FROM SEDIMENTATION AND DEWATERING POND WHEN SEDIMENT DEPTH REACHES 2-FEET.
4. MONITOR ROCK DAM OUTLET FOR SEDIMENTATION AND REPLACE WITH CLEAN STONE AS NECESSARY.
5. IMMEDIATELY REPAIR OR REPLACE DAMAGED SILT FENCE.
6. ENSURE THAT FLOATING PUMP INTAKE IS FUNCTIONAL AT ALL TIMES DURING PUMPING.
7. REMOVE ACCUMULATED SEDIMENT FROM DEWATERING POND WHEN SEDIMENT REACHES ELEVATION 9.
8. MAINTAIN SKIMMER ACCORDING TO NOTES IN DETAIL 5, THIS SHEET.
9. MAINTAIN POUROUS BAFFLES ACCORDING TO NOTES IN DETAIL 1, THIS SHEET.

MAINTENANCE PLAN 2/2

NTS

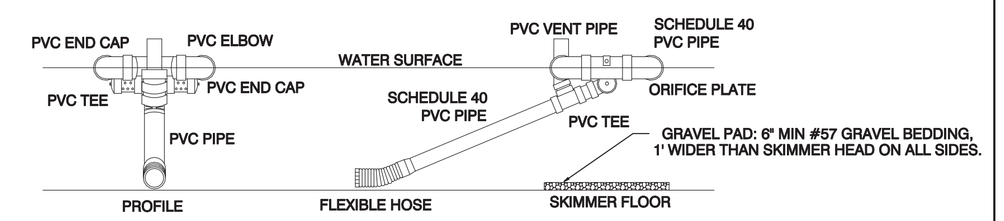
SILT FENCE 3/2

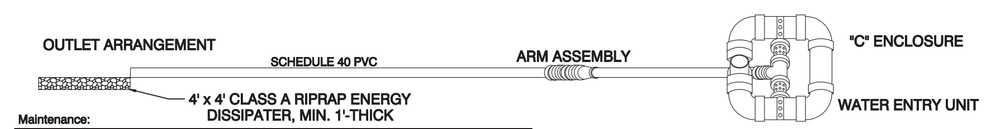
NTS



EVENT	PRE WS ELEV	PRE Q (CFS)	MID WS ELEV	MID Q (CFS)	POST WS ELEV	POST Q (CFS)
2-YR	N/A	24.73	10.59	0.6	10.72	0.6
10-YR	N/A	46.15	11.88	5.83	10.96	0.6

OUTLET SYSTEM CROSS SECTION





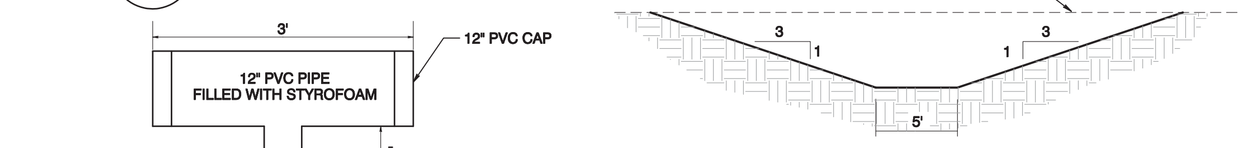
Maintenance:

Inspect skimmer at lease weekly and after each significant (one-half inch or greater) rainfall event and repair immediately. Remove sediment and restore basin to original dimensions when sediment accumulates to the level indicated on the cross section shown below. Pull the skimmer to one side so that sediment underneath it can be excavated. Make sure vegetation growing in the bottom of the basin does not hold down the skimmer. Check skimmer orifice for clogging, and clean if clogged. Check outlet pipe for obstructions and clogging and remove as necessary.

NOTE: SKIMMER SHALL BE SIZED AS INDICATED & MANUFACTURED BY J. W. FAIRCLOTH & SON INC., OR ENGINEER-APPROVED EQUIVALENT. EQUIVALENT STRUCTURE SHALL BE A FLOATING STRUCTURE, AND SHALL BE CAPABLE OF DEWATERING SKIMMER BASIN AT A RATE OF 0.6 CFS.

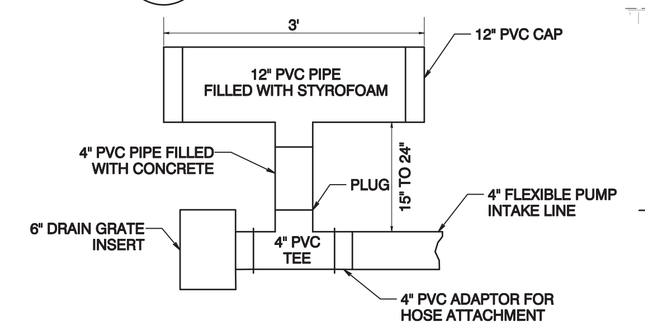
SKIMMER OUTLET STRUCTURE 5/2

NTS



DEWATERING DITCH/PERIMETER STORMWATER POND DETAIL 6/2

NTS



NOTE: ALL PUMPING SHALL BE PERFORMED USING A FLOATING INTAKE STRUCTURE. PUMPING SHALL CEASE WHEN THE WATER LEVEL IN SUMP IS WITHIN TWO (2) FEET OF PIT BOTTOM.

EXAMPLE FLOATING PUMP INTAKE 4/2

NTS

NOTES:

1) SEEDING SHALL BE IN ACCORDANCE WITH SCDOT STANDARD SPECIFICATIONS PER HIGHWAY CONSTRUCTION EDITION OF 2000 PER SPECIFICATION SECTION 8.10.
2) SEEDING SCHEDULE SHALL BE IN ACCORDANCE WITH SECTION 810.04 LOWER STATE
3) THE METHOD OF SEEDING SHALL BE PER SECTION 810.22 METHOD C- SEEDING (HYDROSEEDING)

SEEDING SCHEDULE 7/2

NTS

BORROW AREA NOTES:
1. EXISTING TOPOGRAPHY SHOWN THIS SHEET PREPARED BY GREENMAN-PEDERSEN, INC., DATED 8/26/2013.
2. DEVELOPMENT PLAN AND DETAILS SHOWN THIS SHEET REFER TO C-SWPPP FOR GEORGETOWN COUNTY LANDFILL BORROW AREAS D&E DATED APRIL 16, 2018 AND APPROVED BY SCDHEC OCRM ON MAY 15, 2018. A COPY OF THE APPROVED C-SWPPP AND ASSOCIATED DRAWINGS ARE MAINTAINED ON-SITE.
3. CONTRACTOR SHALL SUBMIT A BORROW AREA MANAGEMENT PLAN TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO THE START OF BORROW ACTIVITY. THE PLAN SHALL CONTAIN DESCRIPTIONS OF BORROW AREA DEVELOPMENT, STORMWATER MANAGEMENT, TEMPORARY EROSION AND SEDIMENTATION CONTROLS, ESTIMATES OF AVAILABLE MATERIALS AND QUANTITIES, DEPTH OF EXCAVATION, STOCKPILE PROCEDURES, EQUIPMENT, ANTICIPATED PRODUCTION, DEWATERING, RESTORATION, AND FINAL STABILIZATION.
4. CUT SLOPE AROUND ISOLATED INTERIOR WETLANDS SHALL BE 2:1 OR FLATTER.
5. CLEARING AND GRUBBING DEBRIS SHALL BE STOCKPILED IN A LOCATION APPROVED BY THE OWNER. CONTRACTOR TO DISPOSE OF CLEARING AND GRUBBING DEBRIS BY BURNING. NO BURNING SHALL BE PERFORMED WITHOUT APPLICABLE BURNING PERMITS BY SCDHEC. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL APPLICABLE BURNING PERMITS.

CONSTRUCTION SEQUENCE
1. INSTALL SILT FENCE.
2. CLEAR, GRUB, AND STRIP TOPSOIL IN AREA OF SEDIMENTATION & DEWATERING POND.
3. GRADE SEDIMENTATION & DEWATERING POND AND INSTALL SKIMMER AND SPILLWAY WEIR.
4. SEED DISTURBED AREAS ASSOCIATED WITH SEDIMENTATION & DEWATERING POND.
5. CLEAR, GRUB, AND STRIP TOPSOIL IN AREA OF DEWATERING DITCH/PERIMETER STORMWATER POND.
6. EXCAVATE DEWATERING DITCH/PERIMETER STORMWATER POND WORKING AWAY FROM SEDIMENTATION & DEWATERING POND. ALL DEWATERING DISCHARGE SHALL BE PUMPED TO SEDIMENTATION & DEWATERING POND. MAX PUMPING RATE 250 GPM.
7. CLEAR, GRUB, AND STRIP TOPSOIL IN BORROW AREA AS NECESSARY.
8. EXCAVATE BORROW AREAS AS REQUIRED. MAXIMUM FINAL SLOPE SHALL BE 3H:1V OR FLATTER.
9. SEED AND MULCH ALL DISTURBED AREAS IMMEDIATELY UPON COMPLETION OF FINAL GRADING.

ADDENDUM 1 NOTES:
1. TEMPORARY WETLAND CROSSING ADDED

SOUTH CAROLINA GARRETT AND MOORE, INC. CERTIFICATE OF AUTHORIZATION No. C3371

SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER 17908 JOHN BERNARD GARRETT, JR.
JUNE 1, 2018

REVISION	DATE
1) ADDENDUM 1 - SEE ADDENDUM 1 NOTES	JUNE 1, 2018
2)	
3)	
4)	

GARRETT & MOORE
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www.garrett-moore.com

GEORGETOWN COUNTY CLASS THREE LANDFILL CELLS 8-12 & CLASS TWO LANDFILL CLOSURE PROJECT

ON-SITE BORROW AREA DEVELOPMENT PLAN

JOB NUMBER

SHEET 2

Path: V:\Georgetown\2018 Contract\Task Order 36 - Landfill Expansion Bidding\cadd\Cells 8-12 Construction May 2018 - ADDENDUM 1.pro Plot Date/Time: Fri Jun 1,2018 / 10:46:05