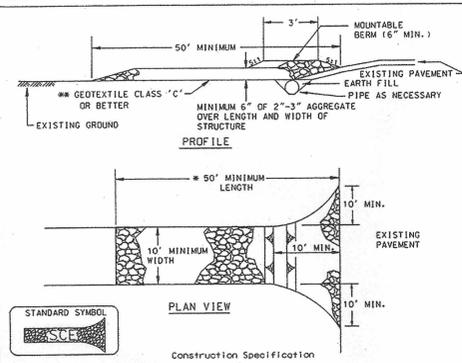


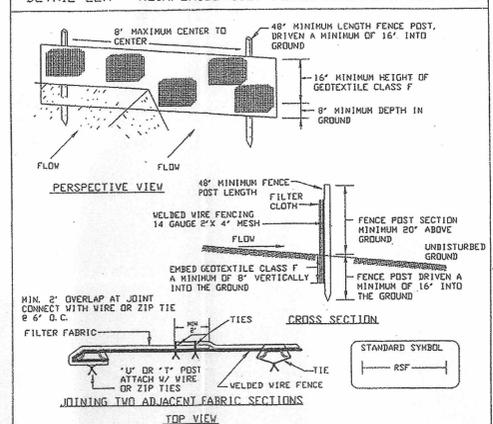
1. SPOIL MATERIAL FROM DRILLING OPERATIONS SHALL BE PLACED ABOVE RSF, TYP. ALL WELLS
2. CONTRACTOR TO SPREAD SPOILS WITHIN L.O.D. AND IMMEDIATELY STABILIZE WITH SEED AND MULCH, TYP. ALL WELLS

DETAIL 24 - STABILIZED CONSTRUCTION ENTRANCE



- Construction Specifications**
1. Length - minimum of 50' (#30' for single residence lot).
 2. Width - 10' minimum, should be flared at the existing road to provide a turning radius.
 3. Geotextile fabric (filter cloth) shall be placed over the existing ground prior to placing stone. The plan approval authority may not require single family residences to use geotextile.
 4. Stone - crushed aggregate (2" to 3") or reclaimed or recycled concrete equivalent shall be placed at least 6" deep over the length and width of the entrance.
 5. Surface Water - all surface water flowing to or diverted toward construction entrances shall be piped through the entrance, maintaining positive drainage. Pipe installed through the stabilized construction entrance shall be protected with a mountable berm with 5:1 slopes and a minimum of 6" of stone over the pipe. Pipe has to be sized according to the drainage. When the SCE is located at a high spot and has no drainage to convey a pipe will not be necessary. Pipe should be sized according to the amount of runoff to be conveyed. A 6" minimum will be required.
 6. Location - A stabilized construction entrance shall be located at every point where construction traffic enters or leaves a construction site. Vehicles leaving the site must travel over the entire length of the stabilized construction entrance.

DETAIL 22A - REINFORCED SILT FENCE APPROVED BY MDE 2-7-05



- Construction Specifications**
1. Metal fence post shall be a minimum of 48" long driven 16" minimum into the ground. Post shall be standard I or U section weighing not less than 1.00 pound per linear foot.
 2. Geotextile shall be fastened securely to each fence post with wire ties or zip ties at top and mid section and shall meet the following requirements for geotextile Class F:
- | | | |
|----------------------|--|----------------|
| Tensile Strength | 50 lbs/in (min.) | Test: MSH1 509 |
| Tensile Modulus | 20 lbs/in (min.) | Test: MSH1 509 |
| Flow Rate | 0.3 gal ft ² /minute (max.) | Test: MSH1 322 |
| Filtering Efficiency | 75% (min.) | Test: MSH1 322 |
3. Where ends of geotextile fabric come together, they shall be overlapped, folded and wired tied or zip tied to prevent sediment bypass.
 4. Silt Fence shall be inspected after each rainfall event and maintained when bulges occur or when sediment accumulation reached 50% of the fabric height.

SILT FENCE

Silt Fence Design Criteria

Slope Steepness	(Maximum) Slope Length	(Maximum) Silt Fence Length
Flatter than 50:1	unlimited	unlimited
50:1 to 10:1	125 feet	1,000 feet
10:1 to 5:1	100 feet	750 feet
5:1 to 3:1	60 feet	500 feet
3:1 to 2:1	40 feet	250 feet
2:1 and steeper	20 feet	125 feet

Note: In areas of less than 2% slope and sandy soils (USDA general classification system, soil class A) maximum slope length and silt fence length will be unlimited. In these areas a silt fence may be the only perimeter control required.

SEQUENCE OF CONSTRUCTION

1. OBTAIN GRADING PERMIT. 1 DAY
2. NOTIFY CALVERT COUNTY DEPARTMENT OF INSPECTIONS AND PERMITS TO SCHEDULE A PRE-CONSTRUCTION MEETING AT (410) 535-2155, THE CALVERT COUNTY SOIL CONSERVATION DISTRICT, (410) 535-1521, AND MISS UTILITY, (800) 257-7777, 48 HOURS PRIOR TO THE START OF ANY WORK ON THIS SITE. 1 DAY
3. INSTALL PERIMETER SEDIMENT CONTROL PRACTICES AS INDICATED ON THE APPROVED SEDIMENT CONTROL PLAN. DEVICES INCLUDE MOUNTABLE BERM, STABILIZED CONSTRUCTION ENTRANCE, AND REINFORCED SILT FENCE. 3 DAYS
4. AFTER INSTALLATION OF SEDIMENT CONTROL DEVICES, NOTIFY CALVERT COUNTY DEPARTMENT OF INSPECTIONS AND PERMITS AT (410) 535-2155 AND THE CALVERT COUNTY SOIL CONSERVATION DISTRICT, (410) 535-1521. NO FURTHER CONSTRUCTION IS PERMITTED UNTIL THE INSPECTING AGENCY CERTIFIES THAT ALL REQUIRED EROSION AND SEDIMENT CONTROLS ARE PROPERLY INSTALLED ACCORDING TO THE RELEVANT CONSTRUCTION STANDARD. 1 DAY
5. SEDIMENT CONTROL PRACTICES WILL BE MAINTAINED ACCORDING TO THE 1994 STANDARDS AND COUNTY REGULATIONS UNTIL THE ENTIRE SITE IS STABILIZED AND INSPECTED, AND FINAL APPROVAL IS GIVEN BY THE APPROPRIATE STATE/COUNTY DEPARTMENT. 1 DAY
6. BEGIN INSTALLATION OF THE WELLS AS INDICATED ON THE PLANS. 2 WEEKS
7. UPON COMPLETION OF THE SITE DEMOLITION AND STABILIZATION, REQUEST APPROVAL FOR THE REMOVAL OF EROSION AND SEDIMENT CONTROL DEVICES FROM CALVERT COUNTY DEPARTMENT OF INSPECTIONS AND PERMITS AT (410) 535-2155. 2 DAYS
8. WITH THE APPROVAL OF ALL INSPECTORS, REMOVE ANY REMAINING EROSION AND SEDIMENT CONTROL DEVICES. PERMANENTLY STABILIZE THESE AREAS. 3 DAYS

SEDIMENT CONTROL GENERAL NOTES

1. ALL REFERENCES TO THE STANDARDS AND SPECIFICATIONS SHALL MEAN THE "1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL" BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT, WATER MANAGEMENT ADMINISTRATION.
2. ALL DISTURBED AREAS ARE TO BE GRADED TO DRAIN TO THE SEDIMENT DEVICES PROVIDED. NO DISTURBED AREAS ARE TO BE ALLOWED TO DRAIN OFF THE SITE. ALL WATER HANDLING DEVICES SHALL BE CONSTRUCTED TO MAINTAIN POSITIVE DRAINAGE.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ASSURING THAT THE SEDIMENT CONTROL MEASURES ARE FUNCTIONAL ON A DAY-TO-DAY BASIS.
4. EXCAVATED MATERIAL SHALL BE BACKFILLED IN THE UTILITY TRENCH AT THE END OF EACH WORK DAY AND COMPACTED.
5. DISTURBED AREAS ALONG STORM DRAINS AND OUTFALLS SHALL BE STABILIZED IMMEDIATELY AFTER COMPLETION.
6. THE THROATS OF ALL STORM DRAIN INLETS SHALL BE PROTECTED AND KEPT FREE OF ANY DEPOSITS OF SEDIMENT AS SHOWN ON THE PLANS.
7. ALL SEDIMENT CONTROL FACILITIES ARE TO REMAIN IN PLACE UNTIL PERMISSION FOR REMOVAL HAS BEEN OBTAINED FROM THE CALVERT COUNTY SEDIMENT CONTROL INSPECTOR.
8. ALL DOWNSPOUTS WILL DISCHARGE ONTO CONCRETE SPLASH BLOCKS OR BE CARRIED TO THE TOE OF HILL SLOPES.
9. EXCESS EXCAVATION WILL BE HAULED TO A SITE APPROVED BY CALVERT COUNTY.
10. THE DEVELOPER IS RESPONSIBLE FOR THE ACQUISITION OF ALL REQUIRED EASEMENTS AND/OR RIGHTS-OF-WAY PERSUANT TO THE DISCHARGE FROM THE SEDIMENT AND EROSION CONTROL PRACTICES, STORMWATER MANAGEMENT PRACTICES, AND THE DISCHARGE OF STORMWATER ONTO OR ACROSS ADJACENT OR DOWNSTREAM PROPERTIES AFFECTED BY THIS PLAN (ALSO FOR GRADING OR OTHER WORK).
11. THE CONTRACTOR IS REQUIRED TO PROTECT ALL POINTS OF CONSTRUCTION INGRESS AND EGRESS TO PREVENT THE DEPOSITION OF MATERIALS ONTO PUBLIC ROADS. ALL MATERIALS DEPOSITED ONTO PUBLIC ROADS SHALL BE REMOVED IMMEDIATELY.
12. THE CONTRACTOR WILL INSPECT ALL EROSION AND SEDIMENT CONTROL PRACTICES AND DEVICES AFTER EACH STORM EVENT AND MAINTAIN THEM IN AN EFFECTIVE OPERATING CONDITION UNTIL SUCH TIME AS THEY ARE REMOVED AS PART OF THE NORMAL SEQUENCE OF CONSTRUCTION, AND AFTER PERMISSION FROM THE INSPECTING AGENCY REPRESENTATIVE.

LEGEND

- PROPERTY LINE
- EXISTING CONTOUR
- EXISTING SPOT ELEVATION
- EXISTING TREE LINE
- WETLANDS W/ BUFFER
- EX. BUILDING TO BE REMOVED
- CRITICAL AREA LINE
- EXISTING SUPER SILT FENCE
- PROPOSED REINFORCED SILT FENCE
- PROPOSED EARTH DIKE
- STABILIZED CONSTRUCTION ENTRANCE W/MOUNTABLE BERM
- PROPOSED CONTOUR
- LIMIT OF DISTURBANCE
- AT GRADE INLET PROTECTION

STABILIZATION NOTES

1. UPON STABILIZATION OF DISTURBED AREAS AND WITH INSPECTOR'S CONCURRENCE, SEDIMENT CONTROL MEASURES MAY BE REMOVED AND THESE AREAS PERMANENTLY STABILIZED.
2. SEE STANDARD SEEDING AND STABILIZATION REQUIREMENTS, SHEET 1 OF 2.
3. EXISTING PAVEMENT SHALL REMAIN.

SCALE: 1"=20'

OWNER/DEVELOPER:
CALVERT CLIFFS 3 NUCLEAR PROJECT, LLC
100 CONSTELLATION WAY
BALTIMORE, MD 21202
ATTN: ED MILLER
(443) 569-9220

I HEREBY CERTIFY THAT THESE 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. 24836 EXPIRATION DATE: 2/28/2012



No.	REVISION	DATE	BY



GREENHORNE & O'MARA
CONSULTING ENGINEERS
6110 FROST PLACE, LAUREL, MARYLAND 20707
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www.g-and-o.com
FLORIDA • KANSAS • MARYLAND • NORTH CAROLINA • PENNSYLVANIA • VIRGINIA • WEST VIRGINIA
© LATEST DATE HEREON

SEDIMENT CONTROL PLAN, NOTES AND DETAILS
SEDIMENT CONTROL PLAN
for
CALVERT CLIFFS UNIT 3 EXPANSION
INTAKE PUMP TEST WELLS
TAX MAP 35; PARCEL 9
1ST DISTRICT, 3RD ASSESSMENT AREA
CALVERT COUNTY, MD

PKJ DESIGN	SCALE	1" = 30'
PKJ DRAWN	SHEET	2 OF 2
MBK CHECKED	DATE	OCT. 2010
PROJECT No.	FILE No.	094293

202x