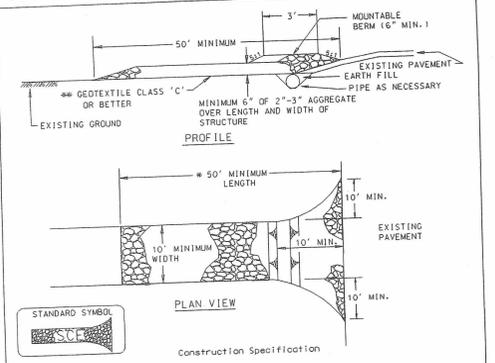


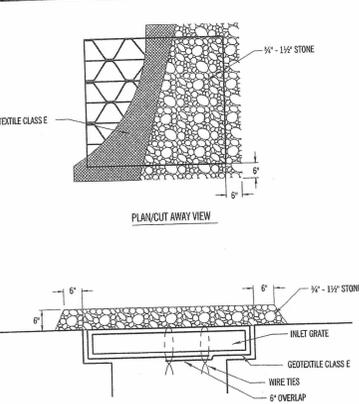
DETAIL 24 - STABILIZED CONSTRUCTION ENTRANCE



- Length - minimum of 50' (+30' for single residence lot).
- Width - 10' minimum, should be flared at the existing road to provide a turning radius.
- 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.
- 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.
- Surface water - all surface water flowing to or diverted toward construction entrances shall be piped through the entrance, maintaining positive drainage. Pipe entrances shall be protected with a pipe cap. Pipe shall be protected with a pipe cap. Pipe shall be protected with a pipe cap. Pipe shall be protected with a pipe cap.
- 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.

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE PAGE F-17-3 MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

DETAIL 23B - AT GRADE INLET PROTECTION



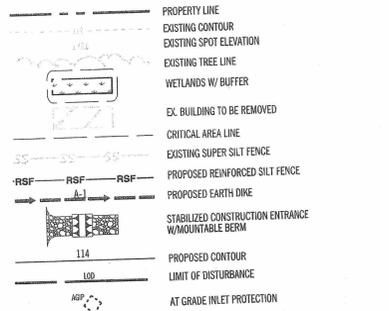
- Lift grate and wrap with Geotextile Class E to completely cover all openings, then set grate back in place.
- Place 1/2" to 3/4" stone, 4"-6" thick on the grate to secure the fabric and provide additional filtration.

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE PAGE B-16-6A MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

DEMO NOTES

- (A) EX. BUILDING TO BE REMOVED
- (B) EX. CONCRETE SLAB TO BE REMOVED
- (C) EX. TRAILER TO BE REMOVED
- (D) EX. FENCE TO BE REMOVED
- (E) EX. SIGN/POST TO BE REMOVED
- (F) EX. LIGHT POLE TO BE REMOVED
- (G) EX. TRANSFORMER AND CONCRETE PAD TO BE REMOVED
- (H) EX. TANK TO BE REMOVED
- (I) EX. GRAVEL ROAD TO BE REMOVED
- (J) EX. GUARDRAIL TO BE REMOVED
- (K) EX. CONCRETE RAMP TO BE REMOVED
- (L) EX. SANITARY LIFT STATION TO BE REMOVED
- (M) EX. 550 GALLON WASTE OIL STORAGE TANK TO BE REMOVED
- (N) EX. WOODEN STEPS AND DECKS TO BE REMOVED
- (O) EX. CULVERT TO REMAIN
- (P) EX. GAS PUMPS TO BE REMOVED
- (Q) EX. TREE TO REMAIN
- (R) EX. STORAGE STRUCTURES TO BE RELOCATED AS DIRECTED BY THE OWNER
- (U) EX. 8' CHAIN LINK FENCE WITH SCREENING

LEGEND



STABILIZATION NOTES

- UPON DEMOLITION AND REMOVAL OF STRUCTURES, ALL BUILDING PADS SHALL BE UNIFORMLY GRADED, SLOPED TO DRAIN AT MINIMUM 2%, AND BE PERMANENTLY STABILIZED WITH SEED AND MULCH.
- UPON STABILIZATION OF DISTURBED AREAS AND WITH INSPECTOR'S CONCURRENCE, SEDIMENT CONTROL MEASURES MAY BE REMOVED AND THESE AREAS PERMANENTLY STABILIZED.
- SEE STANDARD SEEDING AND STABILIZATION REQUIREMENTS, SHEET 1 OF 4.
- EXISTING PAVEMENT SHALL REMAIN EXCEPT AS NOTED.
- THE EXISTING P.A.F. BUILDING IS A PRE-ENGINEERED STRUCTURE. THE CONTRACTOR SHALL DISASSEMBLE THE STRUCTURE AND STORE ON-SITE AT A LOCATION TO BE DETERMINED BY THE OWNER.

UTILITY NOTES

- ALL EXISTING UTILITY CONNECTIONS SERVING EXISTING STRUCTURES TO BE REMOVED SHOULD BE CUT AND CAPPED PER CALVERT COUNTY DPW AND HEALTH DEPARTMENT REQUIREMENTS PRIOR TO DEMOLITION.
- REMOVAL OF EXISTING GAS AND ELECTRICAL SERVICES, FACILITIES, ETC. SHOULD BE COORDINATED WITH THE OWNER PRIOR TO REMOVAL.
- REMOVAL OF EXISTING TELEPHONE/COMMUNICATION LINES SHALL BE COORDINATED WITH SERVICE PROVIDER AND OWNER PRIOR TO REMOVAL.

GENERAL DEMOLITION NOTES

- NOTE: HAZARDOUS MATERIAL REMOVAL WILL BE COMPLETED BY OWNER PRIOR TO WORK COMMENCING. SHOULD THE CONTRACTOR DISCOVER ANY ITEMS NOT REMOVED, IMMEDIATELY CONTACT THE OWNER.**
- COMPLY WITH STATE, FEDERAL, AND LOCAL REGULATIONS FOR DEMOLITION AND DISPOSAL OF ANY HAZARDOUS MATERIALS AND WASTES. THESE REGULATIONS INCLUDE:
 - A. FEDERAL REGULATION 40 CFR PART 61 - HESHAP
 - B. FEDERAL REGULATION 40 CFR 761 - PEST MANUFACTURING, PROCESSING, DISTRIBUTION IN COMMERCE, AND USE PROHIBITIONS
 - C. MARYLAND COMAR 26.02.07 - PROCEDURES FOR ABATING LEAD CONTAINING SUBSTANCES FROM BUILDINGS AUTHORITY
 - D. MARYLAND COMAR 26.13.10 - STANDARDS FOR UNIVERSAL WASTE MANAGEMENT.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL EXISTING CONDITIONS AND DIMENSIONS AND FOR NOTIFYING THE OWNER'S REPRESENTATIVE OF ANY CONFLICTS WITH THE WORK AS SHOWN OR SPECIFIED.
 - A HAZARDOUS MATERIAL SURVEY HAS BEEN PERFORMED WHICH INCLUDED EXTENSIVE SAMPLING AND LABORATORY TESTING OF MATERIALS FOR ASBESTOS AND LEAD CONTENT. NO ASBESTOS OR LEAD-BASED PAINTS HAVE BEEN IDENTIFIED. THE OWNER WILL PROVIDE SAMPLING LOCATIONS AND RESULTS ON REQUEST.
 - PERFORM DEMOLITION IN COMPLIANCE WITH THE DRAWING NOTES, ATTACHED SPECIFICATIONS AND THE CONTRACTOR'S SUBMITTED AND APPROVED WORK PLAN.
 - COORDINATE THE DISCONNECTION OF ELECTRICAL SERVICE WITH THE OWNER'S REPRESENTATIVE.
 - THE CONTRACTOR SHALL ASSESS POTENTIAL FOR EMPLOYEE EXPOSURE TO LEAD FROM KNOWN SOURCES AND PROPOSED DEMOLITION PRACTICES. THE EMPLOYEE EXPOSURE ASSESSMENT REQUIRED BY THE OSHA STANDARD DOES NOT EXCLUDE POTENTIAL SOURCES OF LEAD EXPOSURE ASSOCIATED WITH DEMOLITION OF COMPONENTS ON WHICH LEAD CONCENTRATIONS ARE KNOWN TO BE BELOW THE EPA OR STATE OF MARYLAND DEFINITIONS OF LEAD-BASED PAINT. SURFACE COATINGS WITH ANY LEAD CONTENT, IF SUBJECT TO CERTAIN ACTIONS (SAWING, SANDING, BLASTING, ETC.) MAY RELEASE LEAD THAT COULD EXCEED THE OSHA PERMISSIBLE EXPOSURE LIMIT (PEL).
 - CONTRACTOR TO REVIEW "PRE-DEMOLITION HAZARDOUS MATERIALS SURVEY" PREPARED BY GREENHORNE & O'MARA DATE: JUNE 2010 PRIOR TO COMMENCING DEMOLITION ACTIVITIES.

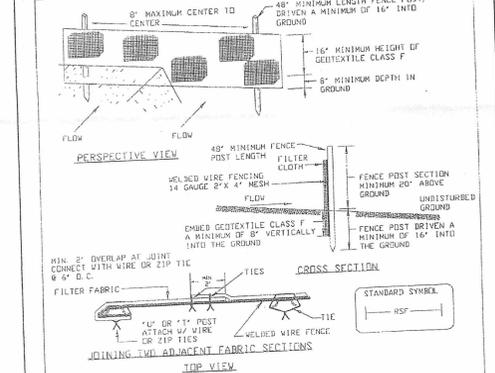
SEDIMENT CONTROL GENERAL NOTES

- 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.
- 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.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ASSURING THAT THE SEDIMENT CONTROL MEASURES ARE FUNCTIONAL ON A DAY-TO-DAY BASIS.
- EXCAVATED MATERIAL SHALL BE BACKFILLED IN THE UTILITY TRENCH AT THE END OF EACH WORK DAY AND COMPACTED.
- DISTURBED AREAS ALONG STORM DRAINS AND OUTFALLS SHALL BE STABILIZED IMMEDIATELY AFTER COMPLETION.
- THE THROATS OF ALL STORM DRAIN INLETS SHALL BE PROTECTED AND KEPT FREE OF ANY DEPOSITS OF SEDIMENT AS SHOWN ON THE PLANS.
- ALL SEDIMENT CONTROL FACILITIES ARE TO REMAIN IN PLACE UNTIL PERMISSION FOR REMOVAL HAS BEEN OBTAINED FROM THE CALVERT COUNTY SEDIMENT CONTROL INSPECTOR.
- ALL DOWNSPOUTS WILL DISCHARGE ONTO CONCRETE SPLASH BLOCKS OR BE CARRIED TO THE TOE OF SLOPES.
- EXCESS EXCAVATION WILL BE HAULED TO A SITE APPROVED BY CALVERT COUNTY.
- THE DEVELOPER IS RESPONSIBLE FOR THE ACQUISITION OF ALL REQUIRED EASEMENTS AND/OR RIGHTS-OF-WAY PERMISSIBLE 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).
- THE CONTRACTOR IS REQUIRED TO PROTECT ALL POINTS OF CONSTRUCTION INGRESS AND EGRESS 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.
- 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.

SEQUENCE OF CONSTRUCTION

- OBTAIN GRADING PERMIT AND BUILDING PERMITS FOR DEMOLITION. 1 DAY
- 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
- INSTALL PERIMETER SEDIMENT CONTROL PRACTICES AS INDICATED ON THE APPROVED SEDIMENT CONTROL PLAN. DEVICES INCLUDE MOUNTABLE BERM, INLET PROTECTION, AND REINFORCED SILT FENCE. 3 DAYS
- 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 GRADING OR DEMOLITION 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
- 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
- BEGIN DEMOLITION/REMOVAL OF ABOVE GROUND STRUCTURES AS INDICATED ON THE PLANS. 4 WEEKS
- CONCURRENT WITH STEP 6 ABOVE, CONTRACTOR TO BEGIN REMOVAL/ABANDONMENT OF BELOW GROUND UTILITIES. (SEE UTILITY NOTE 4, SHEET 3 FOR TANK REMOVAL). 4 WEEKS
- 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
- WITH THE APPROVAL OF ALL INSPECTORS, REMOVE ANY REMAINING EROSION AND SEDIMENT CONTROL DEVICES. PERMANENTLY STABILIZE THESE AREAS. 3 DAYS

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



- Max silt fence post shall be a minimum of 48" long driven 16" minimum into the ground. Posts shall be standard T or U section weighting not less than 1.00 pound per linear foot.
- Geotextile shall be fastened securely to each fence post with wire ties or zip ties at 300 gpd and shall meet the following requirements for geotextile Class F:
 - Tensile Strength: 50 lbs/in (min.) Test: MSMT 509
 - Tensile Modulus: 40 lbs/in (min.) Test: MSMT 509
 - Flow Rate: 0.3 gal Ft²/minute (max.) Test: MSMT 382
 - Filtering Efficiency: 75% (min.) Test: MSMT 382
- Where ends of geotextile fabric come together, they shall be overlapped. Ties and wire ties or zip ties to prevent sediment bypass.
- Silt fence shall be inspected after each rainfall event and maintained when gages occur or when sediment accumulation reached 50% of the fabric height.

ANNE ARUNDEL SOIL CONSERVATION DISTRICT PAGE 1-15-3E MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

SILT FENCE

Silt Fence Design Criteria

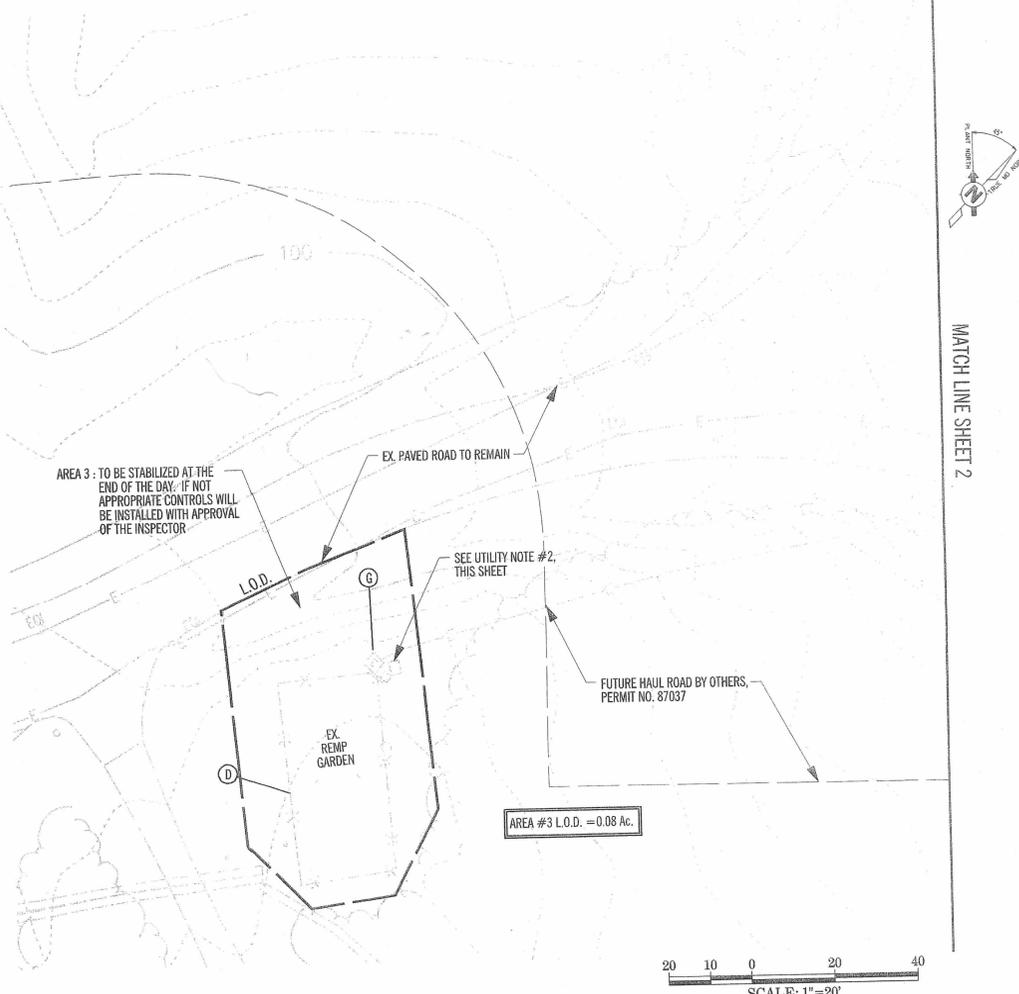
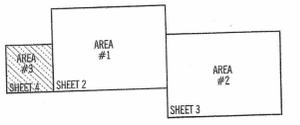
Slope Steepness	(Maximum) Slope Length	(Maximum) Silt Fence Length
Flatter than 50:1	unlimited	unlimited
50:1 to 10:1	125 Feet	1,000 Feet
10:1 to 5:1	100 Feet	750 Feet
5:1 to 3:1	60 Feet	500 Feet
3:1 to 2:1	40 Feet	250 Feet
2:1 and steeper	20 Feet	125 Feet

Note: In areas of less than 2X 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.

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE PAGE E-15-3C MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

SEDIMENT CONTROL QUANTITY TABLE

TOTAL PROJECT AREA	2.85 AC
TOTAL DISTURBED AREA	2.85 AC
TOTAL AREA TO BE SEEDED AND MULCHED	0.58 AC
TOTAL NUMBER OF SEDIMENT TRAPS/ BASINS	N/A
TOTAL LENGTH OF REINFORCED SILT FENCE	808 LF
TOTAL LENGTH OF PERIMETER DIKE/SWALE	0 LF
EARTH QUANTITIES	
TOTAL CUT	N/A
TOTAL FILL	N/A
EXCESS CUT/FILL	N/A



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
1	ISSUE FOR PERMIT	9/13/10	C&O



GREENHORNE & O'MARA
CONSULTING ENGINEERS
6110 FROST PLACE, LAUREL, MARYLAND 20707
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WWW.G-AND-O.COM
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EROSION & SEDIMENT CONTROL NOTES & DETAILS
SEDIMENT CONTROL AND DEMOLITION
for
CALVERT CLIFFS UNIT 3 EXPANSION
FUTURE HEAVY HAUL ROAD AREA
TAX MAP 35; PARCEL 9
1ST DISTRICT, 3RD ASSESSMENT AREA
CALVERT COUNTY, MD

BDA DESIGN	SCALE	1" = 20'
BDA DRAWN	SHEET	4 OF 4
MBK CHECKED		
DATE	PROJ No.	FILE No.
SEPT. 2010	094701	