

GENERAL NOTES

- SUBJECT PROPERTY IS ZONED: R-20.
- THE TOTAL NUMBER OF LOTS INCLUDED IN THIS SUBMISSION IS 7 SINGLE FAMILY LOTS
- IMPROVEMENT TO PROPERTY: SINGLE FAMILY DETACHED.
- UTILITIES SHOWN AS EXISTING ARE TAKEN FROM APPROVED WATER AND SEWER PLANS CONTRACT # 34-3793-D, APPROVED ROAD CONSTRUCTION PLANS F-00-73.
- ANY DAMAGE TO COUNTY OWNED RIGHTS-OF-WAY SHALL BE CORRECTED AT THE DEVELOPER'S EXPENSE.
- ALL ROADWAYS ARE PUBLIC AND EXISTING.
- THE EXISTING TOPOGRAPHY WAS TAKEN FROM ROAD CONSTRUCTION PLANS PREPARED BY LDE, INC. (F-00-73).
- THE COORDINATES SHOWN HEREON ARE BASED UPON THE HOWARD COUNTY GEODETIC CONTROL WHICH IS BASED UPON THE MARYLAND STATE PLANE COORDINATE SYSTEM-HOWARD COUNTY MONUMENTS NUMBERS: 35GA & 35G2.
- THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS/ DIVISION OF CONSTRUCTION INSPECTION AT (410)313-1880 AT LEAST TWENTY-FOUR(24) HOURS PRIOR TO THE START OF WORK.
- THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK.
- FOR DRIVEWAY ENTRANCE DETAILS, REFER TO HO. CO. DESIGN MANUAL VOLUME IV DETAILS R.6.03 & R.6.05.
- STORMWATER MANAGEMENT AND LANDSCAPING AS APPROVED ON PLANS (F-00-73).
- SHC ELEVATIONS SHOWN ARE AT THE PROPERTY LINES.
- PERIMETER LANDSCAPING AND STREET TREE PLANTINGS SHALL BE IN ACCORDANCE WITH THE APPROVED ROAD CONSTRUCTION DRAWINGS FOR F-00-73
- THE FOREST CONSERVATION OBLIGATION SHALL BE AS PER APPROVED PLANS. (F-00-73) THE FOREST CONSERVATION PROGRAM WILL BE MET VIA 0.6 ACRES OF ONSITE AFFORESTATION(PLANTING) AND PAYMENT OF FEE-IN-LIEU FOR THE REMAINING 1.7 ACRES OF THE TOTAL 2.5 ACRE REQUIREMENT. THE FOREST CONSERVATION SURETY INCLUDES A FEE-IN-LIEU FOR 1.7 ACRES OF REQUIRED PLANTINGS: 0.8 AC PLANTING X 43,560 X 0.30 = \$10,454.40, 1.7 AC FEE-IN-LIEU X 43,560 X 0.30 = \$22,215.60 (\$32,670.00-L.S.CREDIT-\$2,640.00 = \$30,030.00)
- OPEN SPACE LOTS 27 & 28 SHALL BE DEDICATED TO THE HOMEOWNERS ASSOCIATION
- NOISE STUDY COMPILED BY LPE, INC., DATED MARCH, 1999 AND APPROVED UNDER SP-99-04.
- H.O.A. DOCUMENTS APPROVED ON APRIL 10, 2000 AND FILED AS #167351 WITH THE MARYLAND STATE DEPARTMENT OF ASSESSMENTS AND TAXATION. THIS PLAN CONFORMS WITH THE 4th EDITION OF THE HOWARD COUNTY SUBDIVISION AND LAND DEVELOPMENT REGULATIONS.

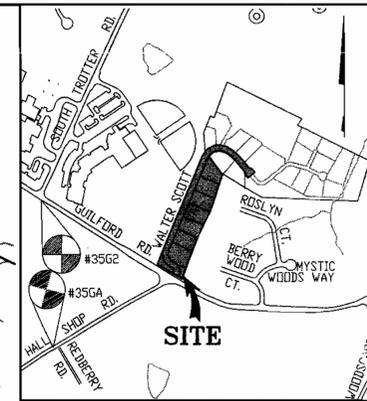
SITE ANALYSIS DATA CHART

TOTAL PROJECT AREA	17.2181 Ac.
AREA OF SUBMISSION	2.8 Ac.
DISTURBED AREA	2.6 Ac.
PRESENT ZONING	R-20
PROPOSED USES	SINGLE FAMILY RESIDENTIAL
TOTAL UNITS ALLOWED (PROJECT)	24
TOTAL UNITS SUBMISSION	7 SINGLE FAMILY

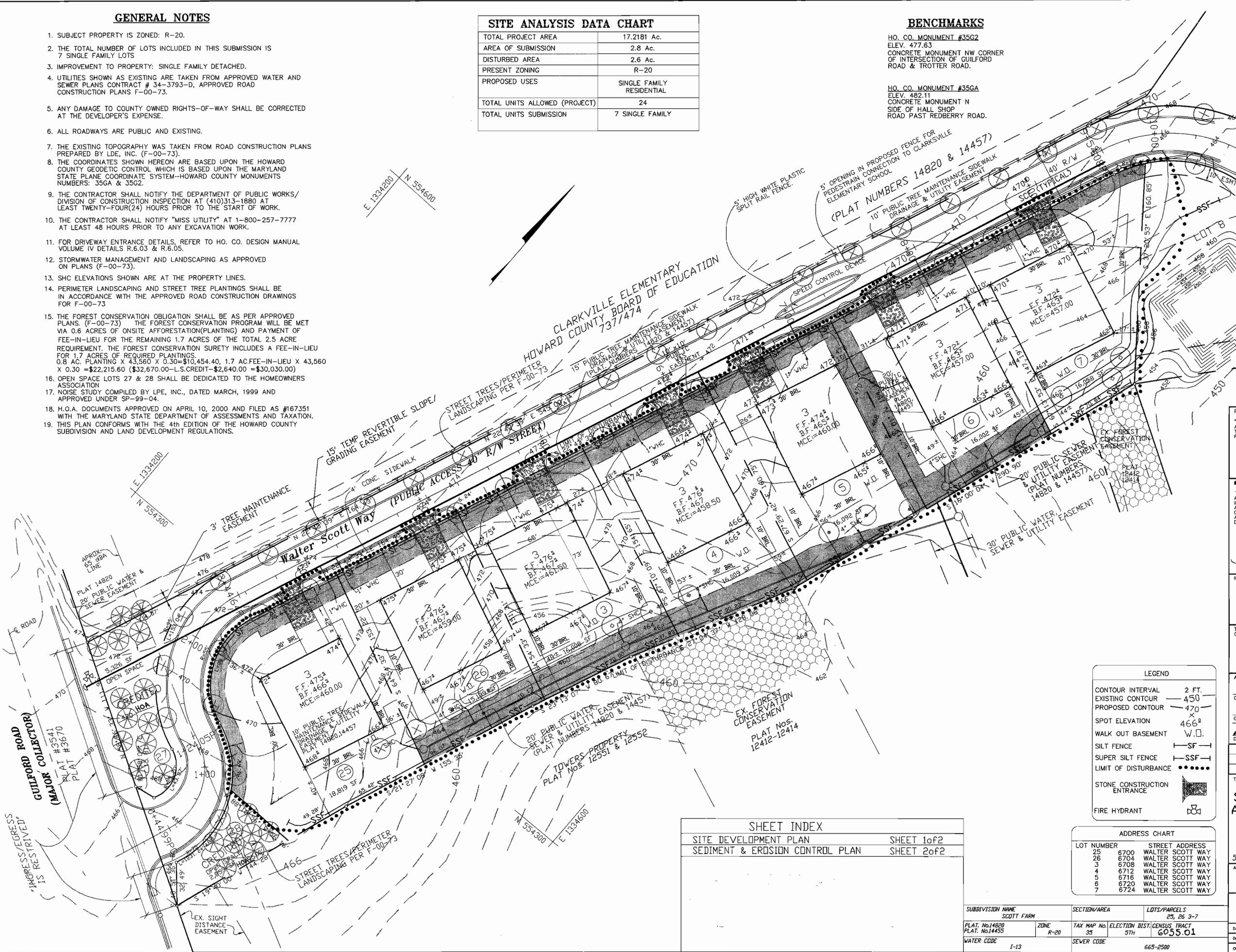
BENCHMARKS

HO. CO. MONUMENT #35G2
ELEV. 477.63
CONCRETE MONUMENT NW CORNER
OF INTERSECTION OF GUILFORD
ROAD & TROTTER ROAD.

HO. CO. MONUMENT #35GA
ELEV. 482.11
CONCRETE MONUMENT N
SIDE OF HALL SHOP
ROAD PAST REDBERRY ROAD.



VICINITY MAP
SCALE: 1"=600'



BY THE ENGINEER:
I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS, AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

Gregory R. Alan 4/1/02
SIGNATURE OF ENGINEER DATE

BY THE DEVELOPER:
I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT.

Scott Wilson 4.4.02
SIGNATURE OF DEVELOPER DATE

REVIEWED FOR HOWARD S.C.D. & MEETS TECHNICAL REQUIREMENTS.

Jim Myler 4/9/02
NSDA-NATURAL RESOURCES CONSERVATION SERVICE DATE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

John R. Roberts 4/9/02
HOWARD S.C.D. DATE

APPROVED, DEPARTMENT OF PLANNING AND ZONING
Michael... 4/12/02
CHIEF-DEVELOPMENT ENGINEERING DIVISION DATE

Cathy... 4/12/02
CHIEF-DIVISION OF LAND DEVELOPMENT DATE

Paul... 4/12/02
DIRECTOR (Acting) DATE

Date No Revision Description
TITLE
**SCOTT FARM
SITE DEVELOPMENT GRADING
AND SEDIMENT CONTROL PLAN
LOTS 3 THROUGH 7 AND
25 AND 26**

5TH ELECTION DISTRICT HOWARD COUNTY MARYLAND
AREA

CENTURY ENGINEERING, INC.
CONSULTING ENGINEERS, PLANNERS, SURVEYORS
32 WEST ROAD
TOWSON, MARYLAND 21284
(410) 823-8070

Des By Scale 1"=30' Proj No 20186.00
Dwn By Date DRAWING NO
Chk By Approved SDP-02-15 1 OF 2

LEGEND

CONTOUR INTERVAL	2 FT.
EXISTING CONTOUR	450
PROPOSED CONTOUR	470
SPOT ELEVATION	466.2
WALK OUT BASEMENT	W.O.
SILT FENCE	SF
SUPER SILT FENCE	SSF
LIMIT OF DISTURBANCE
STONE CONSTRUCTION ENTRANCE	[Symbol]
FIRE HYDRANT	[Symbol]

ADDRESS CHART

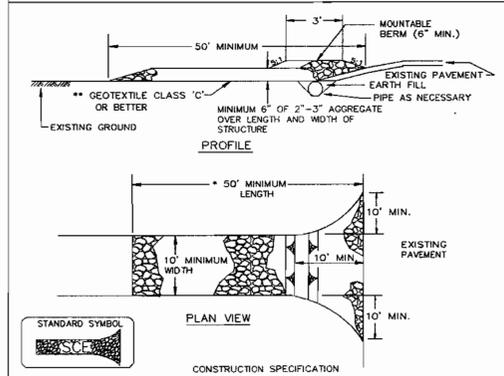
LOT NUMBER	STREET ADDRESS
25	6700 WALTER SCOTT WAY
26	6704 WALTER SCOTT WAY
3	6708 WALTER SCOTT WAY
4	6712 WALTER SCOTT WAY
5	6716 WALTER SCOTT WAY
6	6720 WALTER SCOTT WAY
7	6724 WALTER SCOTT WAY

SHEET INDEX

SITE DEVELOPMENT PLAN	SHEET 1 of 2
SEDIMENT & EROSION CONTROL PLAN	SHEET 2 of 2

SUBDIVISION NAME SCOTT FARM	SECTION/AREA 25, 26 3-7	LOTS/PARCELS 25, 26 3-7
PLAT No. 14820 PLAT No. 14455	ZONE R-20	TAX MAP No. ELECTION DIST. CENSUS TRACT 35 5TH 6055.01
WATER CODE I-13	SEWER CODE 665-2500	

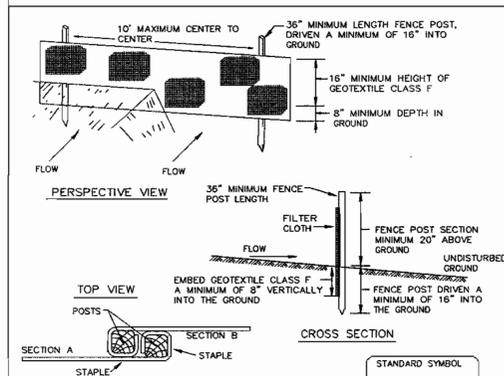
DETAIL 24 - STABILIZED CONSTRUCTION ENTRANCE



- CONSTRUCTION SPECIFICATION
- 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 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 S.O.E. 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.
 - 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 7-17-3 MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

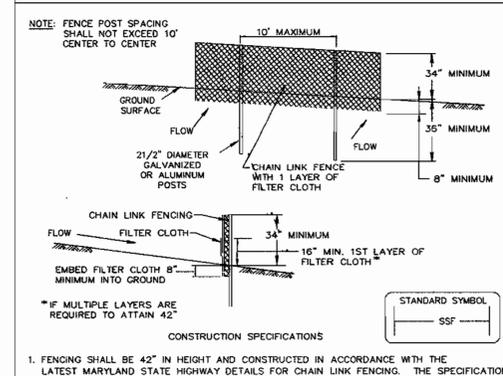
DETAIL 22 - SILT FENCE



- CONSTRUCTION SPECIFICATIONS
- FENCE POSTS SHALL BE A MINIMUM OF 36" LONG DRIVEN 16" MINIMUM INTO THE GROUND. WOOD POSTS SHALL BE 1 1/2" X 1 1/2" SQUARE (MINIMUM) CUT, OR 1 3/4" DIAMETER (MINIMUM) ROUND AND SHALL BE OF SOUND QUALITY HARDWOOD. STEEL POSTS WILL BE STANDARD T OR U SECTION WEIGHING NOT LESS THAN 1.00 POUND PER LINEAR FOOT.
 - GEOTEXTILE SHALL BE FASTENED SECURELY TO EACH FENCE POST WITH WIRE TIES OR STAPLES AT TOP AND MID-SECTION AND SHALL MEET THE FOLLOWING REQUIREMENTS FOR GEOTEXTILE CLASS F:
 TENSILE STRENGTH 50 LBS/IN (MIN.) TEST: MSMT 509
 TENSILE MODULUS 20 LBS/IN (MIN.) TEST: MSMT 509
 FLOW RATE 0.3 GAL/FT²/MINUTE (MAX.) TEST: MSMT 322
 FILTERING EFFICIENCY 75% (MIN.) TEST: MSMT 322
 - WHERE ENDS OF GEOTEXTILE FABRIC COME TOGETHER, THEY SHALL BE OVERLAPPED, FOLDED AND STAPLED TO PREVENT SEDIMENT BYPASS.
 - SILT FENCE SHALL BE INSPECTED AFTER EACH RAINFALL EVENT AND MAINTAINED WHEN BULGES OCCUR OR WHEN SEDIMENT ACCUMULATION REACHED 50% OF THE FABRIC HEIGHT.

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

DETAIL 33 - SUPER SILT FENCE



- CONSTRUCTION SPECIFICATIONS
- FENCING SHALL BE 42" IN HEIGHT AND CONSTRUCTED IN ACCORDANCE WITH THE LATEST MARYLAND STATE HIGHWAY DETAILS FOR CHAIN LINK FENCING. THE SPECIFICATION FOR A 6' FENCE SHALL BE USED, SUBSTITUTING 42" FABRIC AND 6' LENGTH POSTS.
 - CHAIN LINK FENCE SHALL BE FASTENED SECURELY TO THE FENCE POSTS WITH WIRE TIES. THE LOWER TENSION WIRE, BRACE AND TRUSS RODS, DRIVE ANCHORS AND POST CAPS ARE NOT REQUIRED EXCEPT ON THE ENDS OF THE FENCE.
 - FILTER CLOTH SHALL BE FASTENED SECURELY TO THE CHAIN LINK FENCE WITH TIES SPACED EVERY 24" AT THE TOP AND MID SECTION.
 - FILTER CLOTH SHALL BE EMBEDDED A MINIMUM OF 8" INTO THE GROUND.
 - WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER, THEY SHALL BE OVERLAPPED BY 6" AND FOLDED.
 - MAINTENANCE SHALL BE PERFORMED AS NEEDED AND SILT BUILDSUP REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE, OR WHEN SILT REACHES 50% OF FENCE HEIGHT
 - FILTER CLOTH SHALL BE FASTENED SECURELY TO EACH FENCE POST WITH WIRE TIES OR STAPLES AT TOP AND MID SECTION AND SHALL MEET THE FOLLOWING REQUIREMENTS FOR GEOTEXTILE CLASS F:
 TENSILE STRENGTH 50 LBS/IN (MIN.) TEST: MSMT 509
 TENSILE MODULUS 20 LBS/IN (MIN.) TEST: MSMT 509
 FLOW RATE 0.3 GAL/FT²/MINUTE (MAX.) TEST: MSMT 322
 FILTERING EFFICIENCY 75% (MIN.) TEST: MSMT 322

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE PAGE H-28-3 MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

HOWARD SOIL CONSERVATION DISTRICT
STANDARD SEDIMENT CONTROL NOTES

- A minimum of 48 hours notice must be given to the Howard County Department of Inspections, Licenses and Permits, Sediment Control Division prior to the start of any construction (313-1855).
- All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL and revisions thereto.
- Following initial soil disturbance or re-disturbance, permanent or temporary stabilization shall be completed within: a) 7 calendar days for all perimeter sediment control structures, dikes, perimeter slopes and all slopes steeper than 3:1, b) 14 days as to all other disturbed or graded areas on the project site.
- All sediment traps/basins shown must be fenced and warning signs posted around their perimeter in accordance with Vol. 1, Chapter 7 of the HOWARD COUNTY DESIGN MANUAL, Storm Drainage.
- All disturbed areas must be stabilized within the time period specified above in accordance with the 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for permanent seeding, sod, temporary seeding and mulching (Sec. G). Temporary stabilization with mulch alone shall only be done when recommended seeding dates do not allow for proper germination and establishment of grasses.
- All sediment control structures are in place and are to be maintained in operative condition until permission for their removal has been obtained from the Howard County Sediment Control Inspector.
- Site Analysis:
 Total Area of Site = 2.7 Acres
 Area Disturbed = 2.6 Acres
 Area to be roofed or paved = 0.8 Acres
 Area to be vegetatively stabilized = 1.9 Acres
 Total Cut = 12,580 Cu. Yds.
 Total Fill = 12,580 Cu. Yds.
 Offsite waste/borrow area location = N/A
- Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
- Additional sediment control must be provided, if deemed necessary, by the Howard County Sediment Control Inspector.
- On all sites with disturbed areas in excess of 2 acres, approval of the inspection agency shall be requested upon completion of installation of perimeter erosion and sediment controls, but before proceeding with any other earth disturbance or grading. Other building or grading inspection approvals may not be authorized until this initial approval by the inspection agency is made.
- Trenches for the construction of utilities is limited to three pipe lengths or that which shall be backfilled and stabilized within one working day, whichever is shorter.

HOWARD SOIL CONSERVATION DISTRICT
PERMANENT SEEDING NOTES

- Apply to graded or cleared areas not subject to immediate further disturbance where a permanent long-lived vegetative cover is needed.
- Seedbed Preparation: Loosen upper three inches of soil by raking, disking or other acceptable means before seeding, if not previously loosened.
- Soil Amendments: In lieu of soil test recommendations, use one of the following schedules:
- Preferred - Apply 2 tons/acre dolomitic limestone (92,000 lbs/1000 sq. ft.) and 600 lbs/acre 10-10-10 fertilizer (14 lbs/1000 sq. ft.) before seeding. Harrow or disk into upper three inches of soil. At time of seeding, apply 400 lbs/acre 30-0-0 ureaform fertilizer (9 lbs/1000 sq. ft.).
 - Acceptable - Apply 2 tons/acre dolomitic limestone (92 lbs/1000 sq. ft.) and 1000 lbs/acre 10-10-10 fertilizer (23 lbs/1000 sq. ft.) before seeding. Harrow or disk into upper three inches of soil.
- Seeding - For the periods March 1 - April 30 and August 1 - October 15, seed with 60 lbs/acre (1.4 lbs/1000 sq. ft.) of Kentucky 31 Tall Fescue. For the period May - July 31, seed with 60 lbs. Kentucky 31 Tall Fescue per acre and 2 lbs/acre (.05 lbs/1000 sq. ft.) of weeping lovegrass. During the period of October 16 - February 28, protect site by: Option 1 - Two tons per acre of well anchored straw mulch and seed as soon as possible in the spring. Option 2 - Use sod. Option 3 - Seed with 60 lbs/acre Kentucky 30 Tall Fescue and mulch with 2 tons/acre well anchored straw.
- Mulching - Apply 1 1/2 to 2 tons per acre (70 to 90 lbs/1000 sq. ft.) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gallons per acre (5 gal/1000 sq. ft.) of emulsified asphalt on flat areas. On slope 8 feet or higher, use 348 gallons per acre (8 gal/1000 sq. ft.) for anchoring.
- Maintenance: Inspect all seeding areas and make needed repairs, replacements and reseedings.

TEMPORARY SEEDING NOTES

- Apply to graded or cleared areas likely to be re-disturbed where a short-term vegetative cover is needed.
- Seedbed preparation - Loosen upper three inches of soil by raking, disking or other means before seeding, if not previously loosened.
- Soil Amendments - Apply 600 lbs/acre 10-10-10 fertilizer (14 lbs/1000 sq. ft.).
- Seeding - For period March 1 - April 30 from August 15 - October 15, seed with 2 1/2 bushel per acre of annual rye (3.2 lbs/1000 sq. ft.), for the period May 1 - August 14, seed with 3 lbs/acre of weeping lovegrass (0.7 lbs/1000 sq. ft.). For the period November 16 - February 28, protect site by applying 2 tons/acre of well anchored straw mulch and seed as soon as possible in the spring, or use sod.
- Mulching - Apply 1 1/2 tons/acre (70 to 90 lbs/1000 sq. ft.) of unrotted weed-free, small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gal. per acre (5 gal/1000 sq. ft.) of emulsified asphalt on flat areas. On slope 8 ft. or higher, use 348 gal. per acre (8 gal/1000 sq. ft.) for anchoring.
- Refer to the 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for additional rates and methods not covered.

