

SITE ANALYSIS DATA/TABULATION

A) TOTAL PROJECT AREA.....	1.10 AC.±
B) AREA OF 100-YR. FLOODPLAIN.....	NA
C) AREA OF WETLANDS.....	NA
D) AREA OF FOREST.....	NA
E) AREA OF STEEP SLOPES.....	N/A
F) AREA DEDICATED TO US ROUTE 1 ROW.....	NA
G) NET AREA OF SITE(S).....	1.10 AC.±
H) NUMBER OF UNITS ALLOWED.....	3
I) NUMBER OF RESIDENTIAL UNITS PROPOSED.....	3
J) AREA OF PLAN SUBMISSION.....	1.10 AC.±
K) LIMIT OF DISTURBED AREA.....	0.90 AC.±
L) OPEN SPACE REQUIRED (20% OF 11.70 AC.±).....	2.69 AC.±
M) OPEN SPACE PROVIDED PER F-05-012.....	3.03 AC.±
N) PRESENT ZONING DESIGNATION.....	R-20
O) PROPOSED USES FOR THE SITE AND STRUCTURES.....	SINGLE FAMILY HOMES
P) BUILDING FLOOR SPACE DATA:	
FLOOR SPACE ON EACH LEVEL OF PROP. BUILDING.....	NA
TOTAL S.F. FOR BUILDING EXTENSION.....	NA
TOTAL S.F. FOR BUILDING.....	NA
Q) MINIMUM LOT SIZE REQUIRED.....	NA
R) PARKING COMPUTATION.....	NA
S) TOTAL NUMBER OF PARKING SPACES PROVIDED ON-SITE.....	NA
T) APPLICABLE DPZ FILE REFERENCES: SP-03-02, WP-03-14, F-05-12, CONTRACT #34-4081-D, SDP-06-150.....	
U) BUILDING COVERAGE AREA.....	0.14 AC.±
V) TOTAL IMPERVIOUS AREA PROPOSED.....	0.25 AC.±

SOILS LEGEND		
MAP SYMBOL	SOIL GROUP	SOIL TYPE
GbB	B	GLADSTONE LOAM, 3 TO 8 PERCENT SLOPES
Mac	B	MANOR LOAM, 8 TO 15 PERCENT SLOPES

HYDRIC SOILS - NONE PRESENT
MODERATELY ERODIBLE - NONE PRESENT
TAKEN FROM WEB SOIL SURVEY WEBSITE ON 6-13-11

SHEET INDEX	
NO.	DESCRIPTION
1	ENVIRONMENTAL CONCEPT PLAN
2	SEDIMENT AND EROSION CONTROL PLANS

BENCHMARKS (NAD '83):

STATION 356A
NORTHING: 553249.684 EASTING: 1,332,627.281
ELEVATION: 482.037
STAMPED DISC SET ON TOP OF A CONC. (3' DEEP) COLUMN, SET 1" OR 2" BELOW TERRAIN SURFACE. LOCATED 17.1' NORTH OF THE 0.1' OF HALL SHOP ROAD, 150' EAST OF C&P POLE G510 (G&E POLE 112401), 72.4' WEST OF AN ENTRANCE AND 0.35 MILES WEST OF MD ROUTE 32.

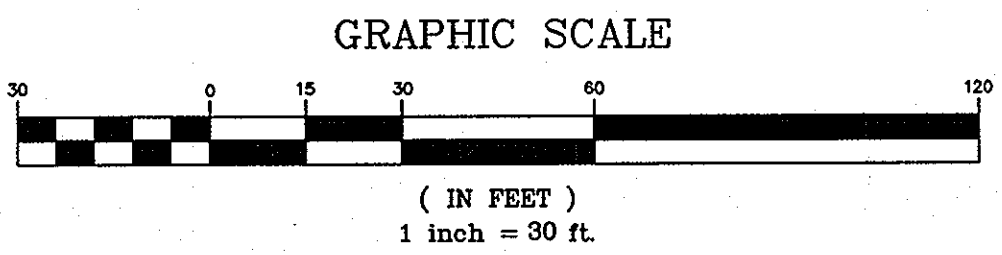
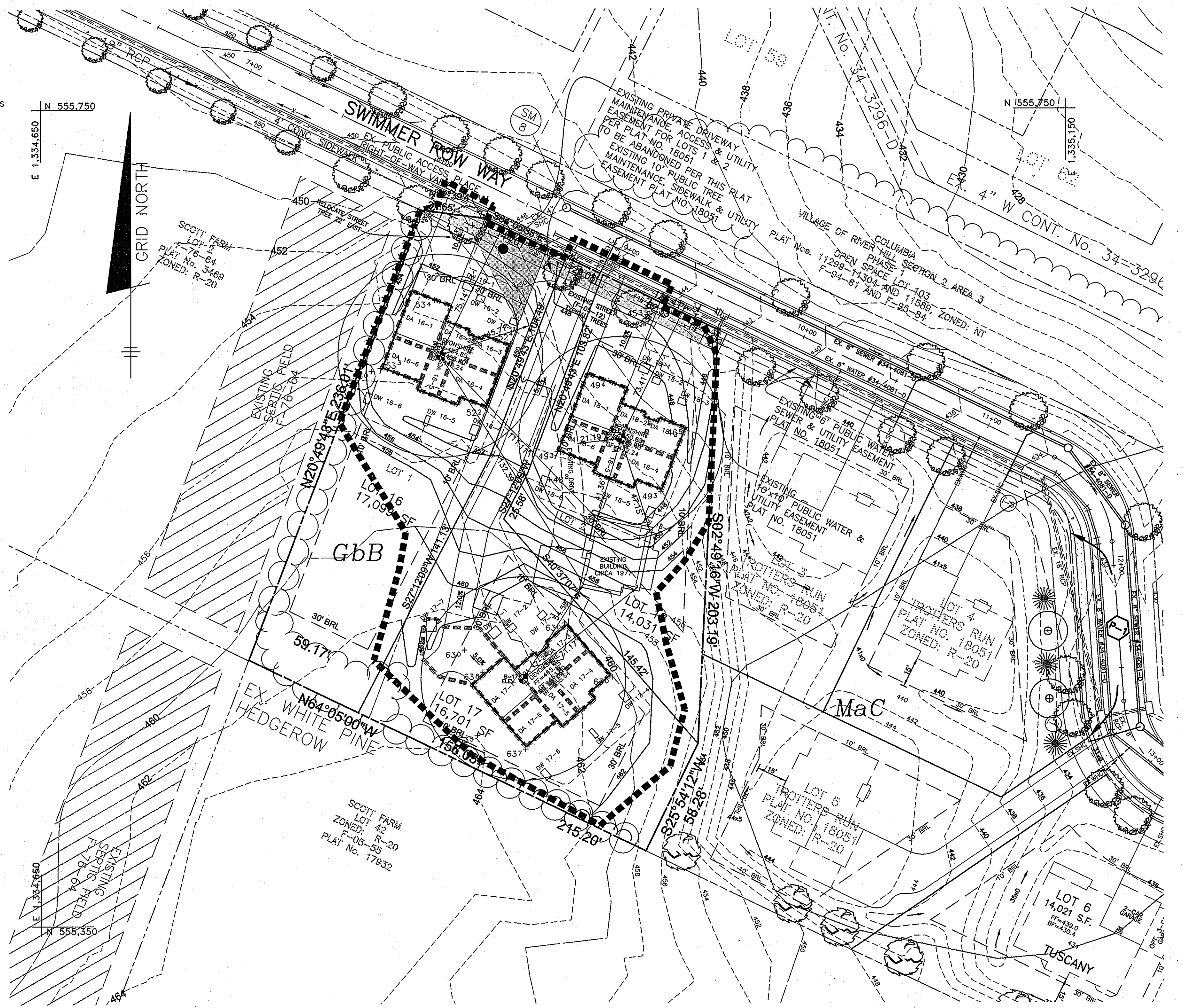
STATION 356Z
NORTHING: 554,965.671 EASTING: 1,332,934.904
ELEVATION: 477.490
STAMPED DISC SET ON TOP OF A CONC. (3' DEEP) COLUMN, SET 1" OR 2" BELOW TERRAIN SURFACE. LOCATED 15.0' NORTH OF THE EDGE OF PAVING OF GULFORD ROAD, 128.3' EAST OF G&E POLE 371538, 107.9' WEST OF G&E POLE 176031 AND 0.15 MILES WEST OF TROTTER ROAD.

GENERAL NOTES

1. THE SUBJECT PROPERTY IS ZONED R-20 PER THE 2-2-04 COMPREHENSIVE ZONING PLAN.
2. EXISTING TOPOGRAPHY SHOWN HEREON WAS TAKEN FROM THE MASS GRADING PLAN UNDER F-05-12. CONTOUR INTERVAL IS 2 FEET.
3. HORIZONTAL AND VERTICAL DATUM ARE NAD '83 - MONUMENTS 356A AND 356Z
4. EXISTING UTILITIES SHOWN HAVE BEEN TAKEN FROM CONTRACT DRAWINGS #34-4081-D AND ROAD CONSTRUCTION PLANS F-05-12. IF NECESSARY, CONTRACTOR SHALL ADJUST ANY OR ALL STRUCTURE TOP ELEVATIONS TO MATCH SDP GRADES.
5. ENVIRONMENTAL SITE DESIGN VOLUME HAS BEEN ADDRESSED TO THE MAXIMUM EXTENT PRACTICABLE BY TREATING THE ROOFTOPS WITH DRYWELLS. A Pp OF 0.5 WAS ACHIEVED FOR THE LOTS. STORMWATER MANAGEMENT HAS BEEN PROVIDED BY A RECHARGE CHAMBER AND A MICROPOOL ED FACILITY DESIGNED UNDER F-05-12.
6. THERE ARE NO WETLANDS, WETLANDS BUFFERS, STREAMS, STREAM BUFFERS OR 100-YEAR FLOODPLAIN LOCATED ON THESE LOTS.
7. PREVIOUS HOWARD COUNTY FILE NUMBERS: SP-03-02, WP-03-14, F-05-12, CONTRACT #34-4081-D SDP-06-150.
8. "BRL" INDICATES BUILDING RESTRICTION LINE.
9. APPROVAL OF THIS ECP DOES NOT CONSTITUTE AN APPROVAL OF ANY SUBSEQUENT AND ASSOCIATED SUBDIVISION PLAN/AND/OR SITE DEVELOPMENT PLAN AND/OR RED-LINE REVISION PLAN. REVIEW OF THIS PROJECT FOR COMPLIANCE WITH THE HOWARD COUNTY SUBDIVISION AND LAND DEVELOPMENT REGULATIONS AND THE HOWARD COUNTY ZONING REGULATIONS SHALL OCCUR AT THE SUBDIVISION PLAN/AND/OR SITE DEVELOPMENT PLAN STAGES AND/OR RED-LINE REVISION PROCESS. THE APPLICANT AND CONSULTANT SHOULD EXPECT ADDITIONAL AND MORE DETAILED REVIEW COMMENTS (INCLUDING COMMENTS THAT MAY ALTER THE OVERALL SITE DESIGN) AS THIS PROJECT PROGRESSES THROUGH THE PLAN REVIEW PROCESS.

LEGEND

- EXISTING CONTOURS PER F-05-012
- PROPOSED CONTOURS
- EXISTING TREELINE
- BUILDING RESTRICTION LINE
- EXISTING EASEMENTS
- FIRST FLOOR ELEVATION
- BASEMENT FLOOR ELEVATION
- EXISTING STREET TREE PER F-05-012
- EXISTING PERIMETER TREE PER F-05-012
- LIMIT OF DISTURBANCE



DESIGN NARRATIVE:

THE SITE HAS TREATMENT FOR SWM IN THE MICROPOOL-ED FACILITY DESIGNED UNDER F-05-012. THIS FACILITY WAS DESIGNED UNDER THE 2000 DESIGN MANUAL THEREFOR, THE TARGET Pp FOR THIS SITE IS 1.0 INCHES. THERE IS ALSO A STONE CHAMBER DESIGNED UNDER F-05-012 TO PROVIDE GROUND WATER RECHARGE. THE TARGET Pp WAS TREATED USING ENVIRONMENTAL SITE DESIGN PRACTICES AS OUTLINED IN CHAPTER 5 OF THE 2000 MARYLAND STORMWATER DESIGN MANUAL, AS AMENDED BY MARYLAND'S STORMWATER MANAGEMENT ACT OF 2007. THE SELECTED METHODS ARE DRYWELLS FOR BOTH FRONTS AND BACKS OF THE HOUSES AND PART OF THE DRIVEWAY FOR LOT 17.

THIS SITE HAS NO WETLANDS, FLOODPLAIN OR STREAMS. THE DESIGN INCORPORATES MODERATELY SIZED HOUSES WITH MINIMUM WIDTH DRIVEWAYS IN ORDER TO CREATE THE LEAST POSSIBLE STORMWATER RUNOFF.

OUTFALLS GENERALLY CORRESPOND WITH THE NATURAL DRAINAGE PATTERNS FOR THE SITE.

SEDIMENT AND EROSION CONTROLS HAVE BEEN DESIGNED BASED ON THE 1994 MARYLAND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL. EROSION CONTROL MATING AND SUPER SILT FENCE WILL BE USED TO PREVENT RUNOFF CONTAINING UNACCEPTABLE LEVELS OF TSS FROM LEAVING THE SITE AND ENTERING THE ADJACENT WETLANDS DURING THE CONSTRUCTION. IT WILL BE THE OBLIGATION OF THE CONTRACTOR TO INSTALL, INSPECT AND MAINTAIN THESE PRACTICES.

THE TARGET Pp FOR THIS SITE IS 1.0 INCHES. BY USING ENVIRONMENTAL SITE DESIGN PRACTICES AS OUTLINED IN CHAPTER 5 OF THE 2000 MARYLAND STORMWATER DESIGN MANUAL AS AMENDED BY MARYLAND STORMWATER MANAGEMENT ACT OF 2007, TREATMENT OF A Pp OF 0.5 WAS ACHIEVED, PARTIALLY ADDRESSING THE ESD STORMWATER MANAGEMENT REQUIREMENTS. THE SITE DRAINS TO A MICROPOOL ED FACILITY AND A STONE CHAMBER. THESE FACILITIES PROVIDE TREATMENT FOR THE SITE. ESDv IS PROVIDED TO THE MAXIMUM EXTENT PRACTICABLE.

THERE ARE NO PROTECTED NATURAL RESOURCES ON THIS SITE.

NO.	DATE	REVISION

BENCHMARK
ENGINEERS • LAND SURVEYORS • PLANNERS

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OWNER/DEVELOPER BOYHINK, LLC. 11807 WOLLINGFORD COURT CLARKSVILLE, MARYLAND 21029 410-792-2565	PROJECT: TROTTERS RUN LOTS 16 THROUGH 18 A RESUBDIVISION OF TROTTERS RUN, LOTS 1 & 2 LOCATION: TAX MAP 35 PARCEL 342 - GRID 20 5th ELECTION DISTRICT HOWARD COUNTY, MARYLAND TITLE: ENVIRONMENTAL CONCEPT PLAN DATE: JULY, 2011 PROJECT NO. 2408 SCALE: AS SHOWN DRAWING 1 OF 2
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Design: JC Draft: EDD Check: JC

APPROVED: DEPARTMENT OF PLANNING AND ZONING

Ve. Tolalalavala 7/12/11
CHIEF, DIVISION OF LAND DEVELOPMENT DATE

John Smith 7/13/11
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

SEDIMENT CONTROL NOTES

- A MINIMUM OF 24 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY DEPARTMENT OF INSPECTION, LICENSES AND PERMITS, SEDIMENT CONTROL DIVISION PRIOR TO THE START OF ANY CONSTRUCTION. (313-1850).
- ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE MOST CURRENT MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, REVISIONS THEREIN.
- FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN: A) 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, PERIMETER SLOPES AND ALL SLOPES GREATER 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 12, 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 SEEDINGS (SEC. 51) SOD (SEC. 54), TEMPORARY SEEDING (SEC. 52) AND MULCHING (SEC. 52), TEMPORARY STABILIZATION WITH MULCH ALONE CAN ONLY BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHMENT OF GRASSES.
- ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN 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	1.10	ACRES
AREA DISTURBED	0.90	ACRES
AREA TO BE ROOFED OR PAVED	0.25	ACRES
AREA TO BE VEGETATIVELY STABILIZED	0.65	ACRES
TOTAL CUT	1000	CY
TOTAL FILL	0	CY

A SITE WITH AN ACTIVE GRADING PERMIT
- 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 CONTROL. 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 CAN BE BACK FILLED AND STABILIZED WITHIN ONE WORKING DAY, WHICHEVER IS SHORTER.

TEMPORARY SEEDBED PREPARATIONS

- APPLY TO GRADED OR CLEARED AREAS LIKELY TO BE REDISTURBED WHERE A SHORT-TERM VEGETATIVE COVER IS NEEDED.
- SEEDBED PREPARATION: LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING, IF NOT PREVIOUSLY LOOSENED.
- SOIL AMENDMENTS: APPLY 600 LBS PER ACRE 10-10-10 FERTILIZER (14 LBS/1000 SQ FT).
- SEEDING: FOR PERIOD MARCH 1 THROUGH APRIL 30 AND FROM AUGUST 15 THROUGH NOVEMBER 15, SEED WITH 2-1/2 BUSHELS PER ACRE OF ANNUAL RYE (3.2 LBS/1000 SQ FT). FOR PERIOD MAY 1 THROUGH AUGUST 14, SEED WITH 3 LBS PER ACRE OF WEEPING LOVEGRASS (0.7 LBS/1000 SQ FT). FOR PERIOD NOVEMBER 16 THROUGH FEBRUARY 28, PROTECT SITE BY APPLYING 2 TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING, OR USE SOD.
- 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 SLOPES, 8 FT. OR HIGHER, USE 348 GALLONS PER ACRE (8 GAL/1000 SQ FT) FOR ANCHORING.
- REFER TO THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.

PERMANENT SEEDBED PREPARATIONS

- SEEDBED PREPARATION: LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISCING 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 PER ACRE DOLOMITIC LIMESTONE (92 LBS/1000 SQ FT) AND 800 LBS PER ACRE 10-10-10 FERTILIZER (14 LBS/1000 SQ FT) BEFORE SEEDING. HARROW OR DISC INTO UPPER THREE INCHES OF SOIL. AT TIME OF SEEDING, APPLY 400 LBS PER ACRE 30-0-0 UREAFORM FERTILIZER (9 LBS/1000 SQ FT).
 - ACCEPTABLE - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS/1000 SQ FT) AND 1000 LBS PER ACRE 10-10-10 FERTILIZER (23 LBS/1000 SQ FT) BEFORE SEEDING. HARROW OR DISC INTO UPPER THREE INCHES OF SOIL.
- SEEDING: FOR THE PERIODS MARCH 1 THROUGH APRIL 30 AND AUGUST 1 THROUGH OCTOBER 15, SEED WITH 6 LBS PER ACRE (1.4 LBS/1000 SQ FT) OF KENTUCKY 31 TALL FESCUE PER ACRE AND 2 LBS PER ACRE (0.5 LBS/1000 SQ FT) OF WEEPING LOVEGRASS. DURING THE PERIOD OF OCTOBER 16 THROUGH FEBRUARY 28, PROTECT SITE BY OPTION (1) 2 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 PER ACRE OF KENTUCKY 31 TALL FESCUE AND MULCH WITH 2 TONS PER ACRE OF 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 SLOPES 8 FEET OR HIGHER, USE 348 GALLONS PER ACRE (8 GAL/1000 SQ FT) FOR ANCHORING.
- MAINTENANCE: INSPECT ALL SEEDED AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDINGS.

TOPSOIL SPECIFICATIONS

- Topsoil salvaged from the existing site may be used provided that it meets the standards set forth in these specifications. Typically, the depth of topsoil to be salvaged for a given soil type can be found in the representative soil profile section in the Soil Survey published by USDA-SCS in cooperation with Maryland Agricultural Experimental Station.
 - Topsoil Specifications - Soil to be used as topsoil must meet the following:
 - Topsoil shall be a loam, sandy loam, clay loam, silt loam, sandy clay loam, loamy sand. Other soils may be used if recommended by an agronomist or soil scientist and approved by the appropriate approval authority. Regardles, topsoil shall not be a mixture of contrasting texture subsoils and shall contain less than 5% by volume of clodder, stones, roots, twigs, sticks, rocks, trash, or other materials larger than 1-1/2" in diameter.
 - Topsoil must be free of plants or plant parts such as Bermuda grass, quack grass, Johnson grass, nutgrass, poison ivy, thistle, or others as specified.
 - Where the subsoil is either highly acidic or composed of heavy clay, ground limestone shall be applied at the rate of 4-8 tons/acre (200-400 pounds per 1,000 square feet) prior to the placement of topsoil. Lime shall be distributed uniformly over designated areas and worked into the soil in conjunction with tillage operations as described in the following procedures.
 - For sites having disturbed areas under 5 acres:
 - Place topsoil (if required) and apply soil amendments as specified in 20.0 Vegetative Stabilization - Section 1 - Vegetative Stabilization Methods and Materials.
 - For sites having disturbed areas over 5 acres:
 - On soil meeting Topsoil specifications, obtain test results dictating fertilizer and lime amendments required to bring the soil into compliance with the following:
 - pH for topsoil shall be between 6.0 and 7.5. If the tested soil demonstrates a pH less than 6.0, sufficient lime shall be prescribed to raise the pH to 6.5 or higher.
 - Organic content or topsoil shall be not less than 1.5 percent by weight.
 - Topsoil having soluble salt content greater than 500 parts per million shall not be used.
 - No sod or seed shall be placed on soil which has been treated with soil sterilants or chemicals used for weed control until sufficient time has elapsed (14 days min.) to permit dissipation of phytotoxic materials.
- Note: Topsoil substitutes or amendments, as recommended by a qualified agronomist or soil scientist and approved by the appropriate approval authority, may be used in lieu of natural topsoil.

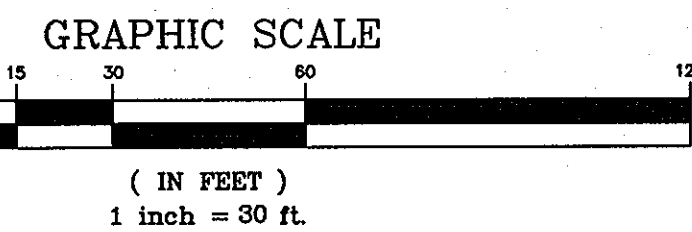
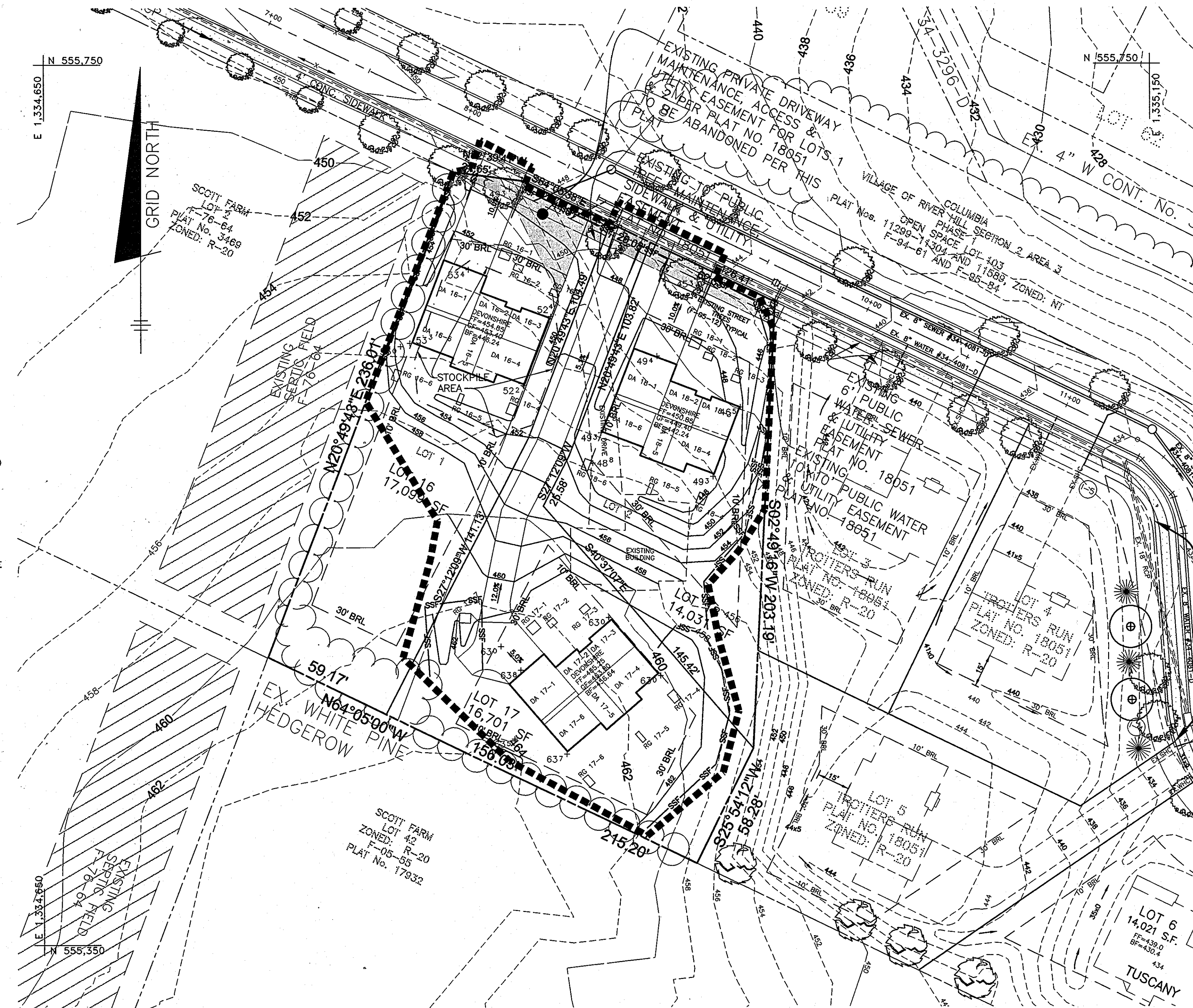
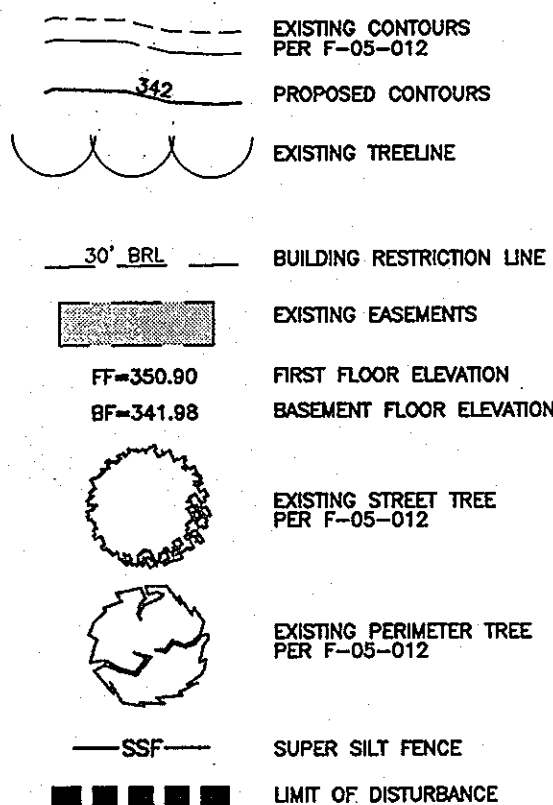
30.0 DUST CONTROL

- Definition**
Controlling dust blowing and movement on construction sites and roads.
- Purpose**
To prevent blowing and movement of dust from exposed soil surfaces, reduce on and off-site damage, health hazards, and improve traffic safety.
- Conditions Where Practice Applies**
This practice is applicable to areas subject to dust blowing and movement where on and off-site damage is likely without treatment.
- Temporary Methods**
 - Mulches - See standards for vegetative stabilization with mulches only. Mulch should be crimped or trolled to prevent blowing.
 - Vegetative Cover - See standards for temporary vegetative cover.
 - Tillage - To roughen surface and bring clods to the surface. This is an emergency measure which should be used before soil blowing starts. Begin plowing on windward side of site. Chisel-type plows spaced about 12" apart, spring-tooled harrows, and similar plows are examples of equipment which may produce the desired effect.
 - Irrigation - This is generally done as an emergency treatment. Site is sprinkled with water until the surface is moist. Repeat as needed. At no time should the site be irrigated to the point that runoff begins to flow.
 - Barriers - Solid board fences, silt fences, snow fences, burlap fences, straw bales, and similar material can be used to control air currents and soil blowing. Barriers placed at right angles to prevailing currents at intervals of about 10 times their height are effective in controlling soil blowing.
 - Calcium Chloride - Apply at rates that will keep surface moist. May need retreatment.
- Permanent Methods**
 - Permanent Vegetation - See standards for permanent vegetative cover, and permanent stabilization with sod. Existing trees or large shrubs may afford valuable protection if left in place.
 - Topsoiling - Covering with less erosive soil materials. See standards for topsoiling.
 - Stone - Cover surface with crushed stone or coarse gravel.
- References**
 - Agriculture Handbook 346. Wind Erosion Forces in the United States and Their Use in Predicting Soil Loss.
 - Agriculture Information Bulletin 354. How to Control Wind Erosion, USDA-ARS.

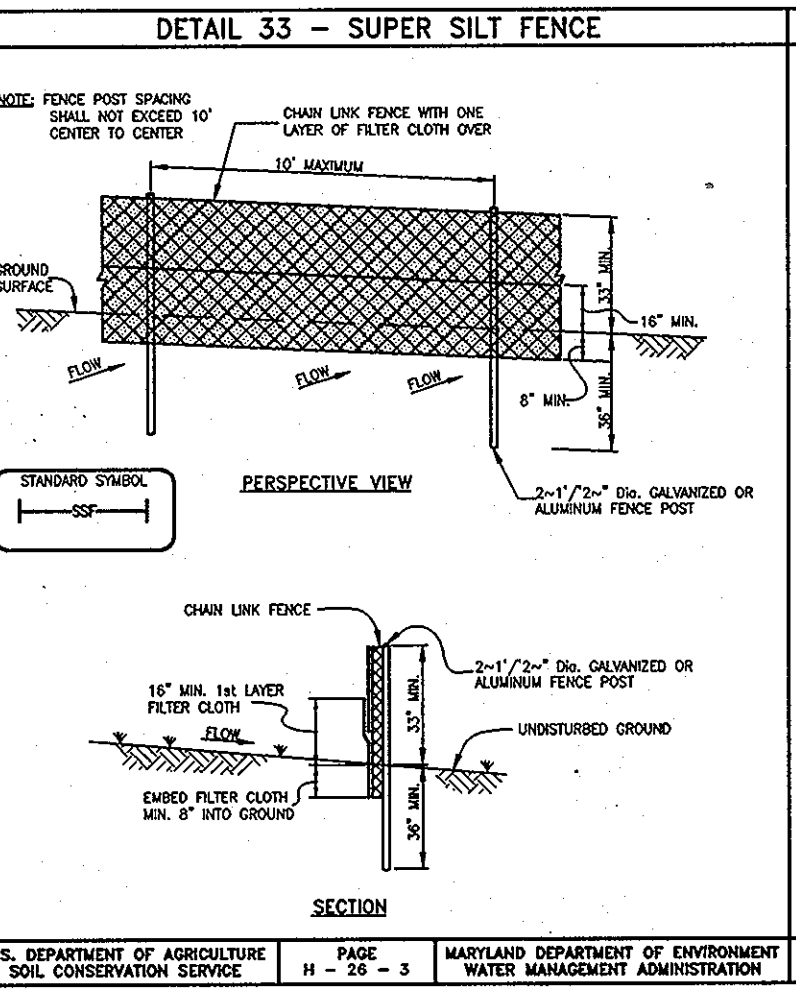
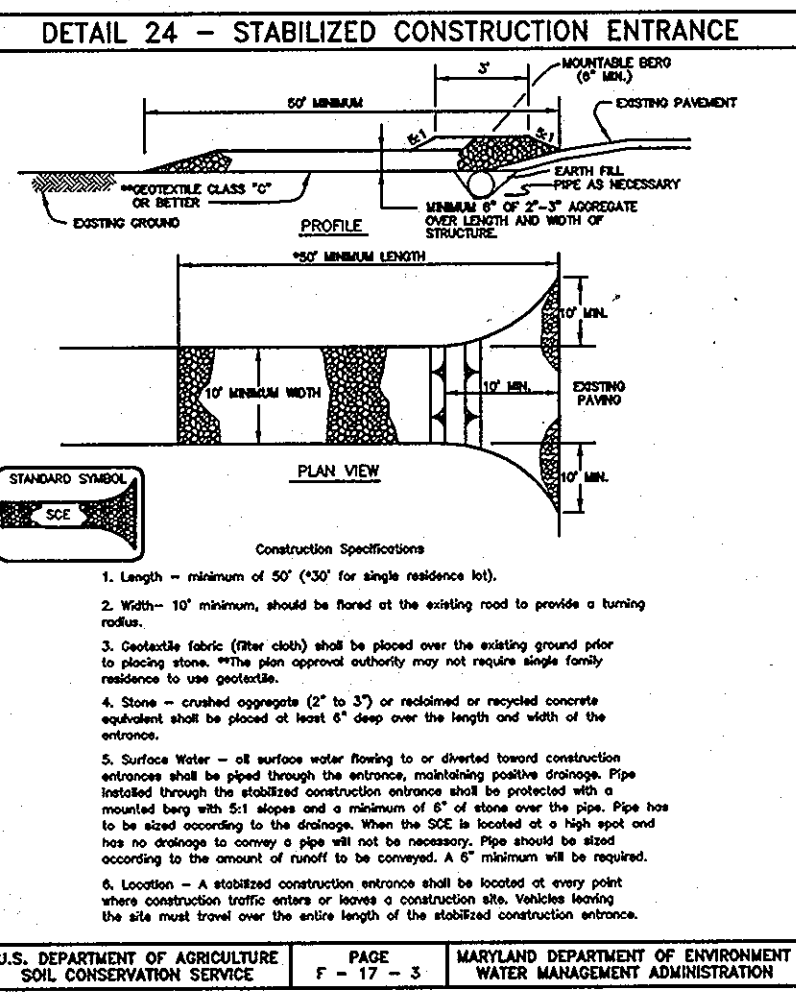
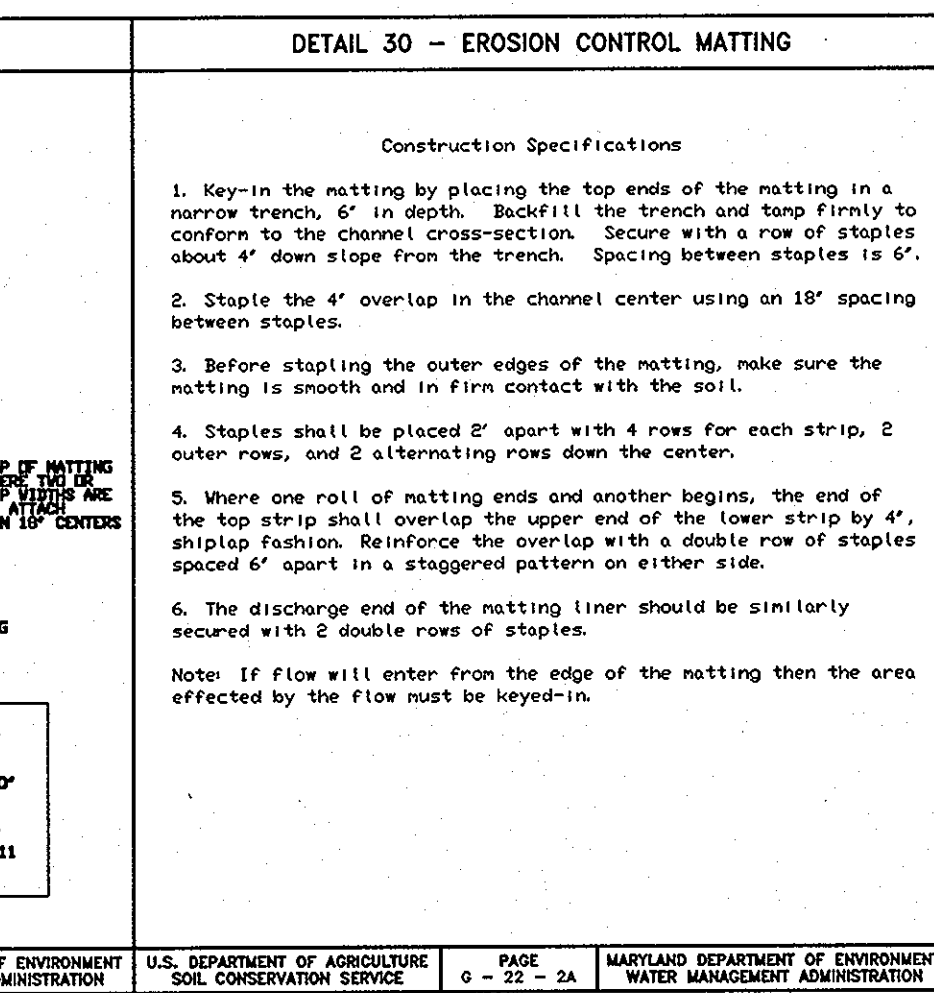
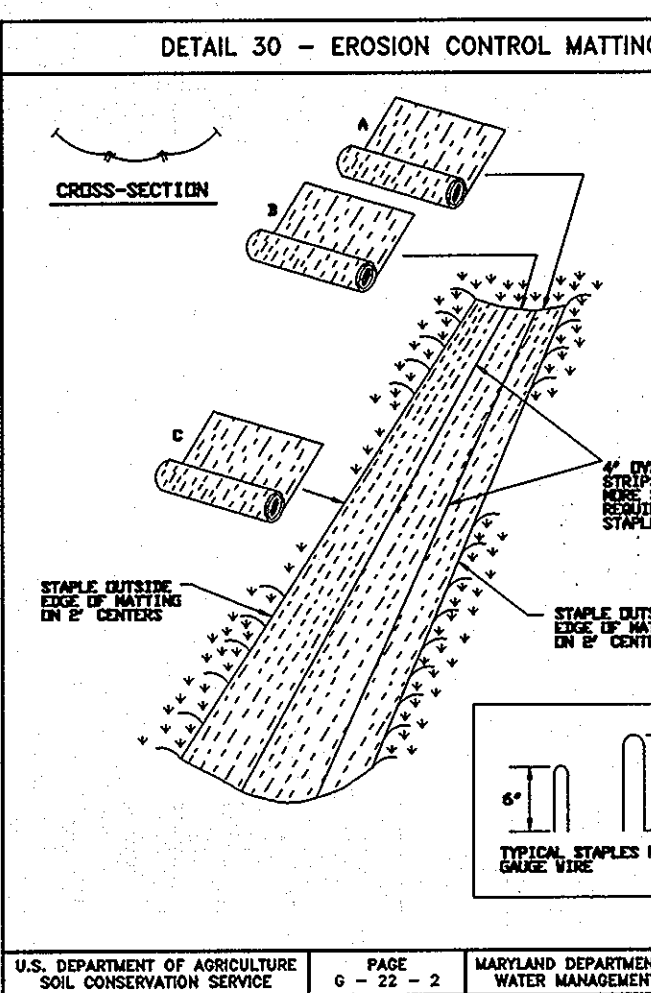
SEQUENCE OF CONSTRUCTION

- NOTIFY SEDIMENT CONTROL DIVISION 48 HOURS PRIOR TO START OF CONSTRUCTION
- OBTAIN GRADING PERMIT. (DAY 1)
 - INSTALL STABILIZED CONSTRUCTION ENTRANCE AND SUPER SILT FENCES. (DAY 2-4)
 - UPON APPROVAL OF THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR, BRING SITE TO GRADE AND STABILIZE SWALES IN ACCORDANCE WITH TEMPORARY SEEDING NOTES. UTILIZE DUST CONTROL METHODS. (DAY 5-20)
 - UNSTALL UTILITIES, FINAL GRADE AND PAVE DRIVEWAY. (DAY 21-30)
 - WHEN CONTRIBUTING AREAS TO BIO-SWALES ARE STABILIZED, INSTALL PLANTING SOIL, EROSION CONTROL MATTING AND PERMANENT SEEDING. (DAY 31-36)
 - UPON APPROVAL OF THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR, REMOVE SEDIMENT CONTROL DEVICES, AND STABILIZED DISTURBED AREAS IN ACCORDANCE WITH THE PERMANENT SEEDBED NOTES. (DAY 37-40)

LEGEND



APPROVED: DEPARTMENT OF PLANNING AND ZONING
 Chief, Division of Land Development gmf
 7/12/11
 DATE



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 frust 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 6" 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 all bulges 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 of top and mid section and shall meet the following requirements for Geotextile Class F:

SUPER SILT FENCE DESIGN CRITERIA	
Tensile Strength	50 lb/ft (min.)
Tensile Modulus	20 lb/ft (min.)
Flow Rate	0.5 gpm/ft (max.)
Filtering Efficiency	75% (min.)

Slope	Slope Allowance	Design Length (maximum)	Silt Fence Length (maximum)
0 - 10%	0 - 10:1	Unlimited	Unlimited
10 - 20%	10:1 - 5:1	200 feet	1,000 feet
20 - 33%	5:1 - 3:1	100 feet	500 feet
33 - 50%	3:1 - 2:1	100 feet	500 feet
50% +	2:1 +	50 feet	250 feet

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Professional Seal: STATE OF MARYLAND, BENCHMARK ENGINEERING, INC., License No. 28559, Expiration Date: 7-22-2011

OWNER/DEVELOPER: BOYHINK, LLC, 11807 WOLLINGFORD COURT, CLARKSVILLE, MARYLAND 21029, 410-792-2565

PROJECT: TROTTERS RUN, LOTS 16 THROUGH 18, A RESUBMISSION OF TROTTERS RUN, LOTS 1 & 2

LOCATION: TAX MAP 35, PARCEL 342 - GRID 20, 5TH ELECTION DISTRICT, HOWARD COUNTY, MARYLAND

TITLE: SEDIMENT AND EROSION CONTROL PLAN

DATE: JULY, 2011 PROJECT NO. 2408

SCALE: AS SHOWN DRAWING NO. OF 2

Design: JC Draft: EDJ Check: JC