

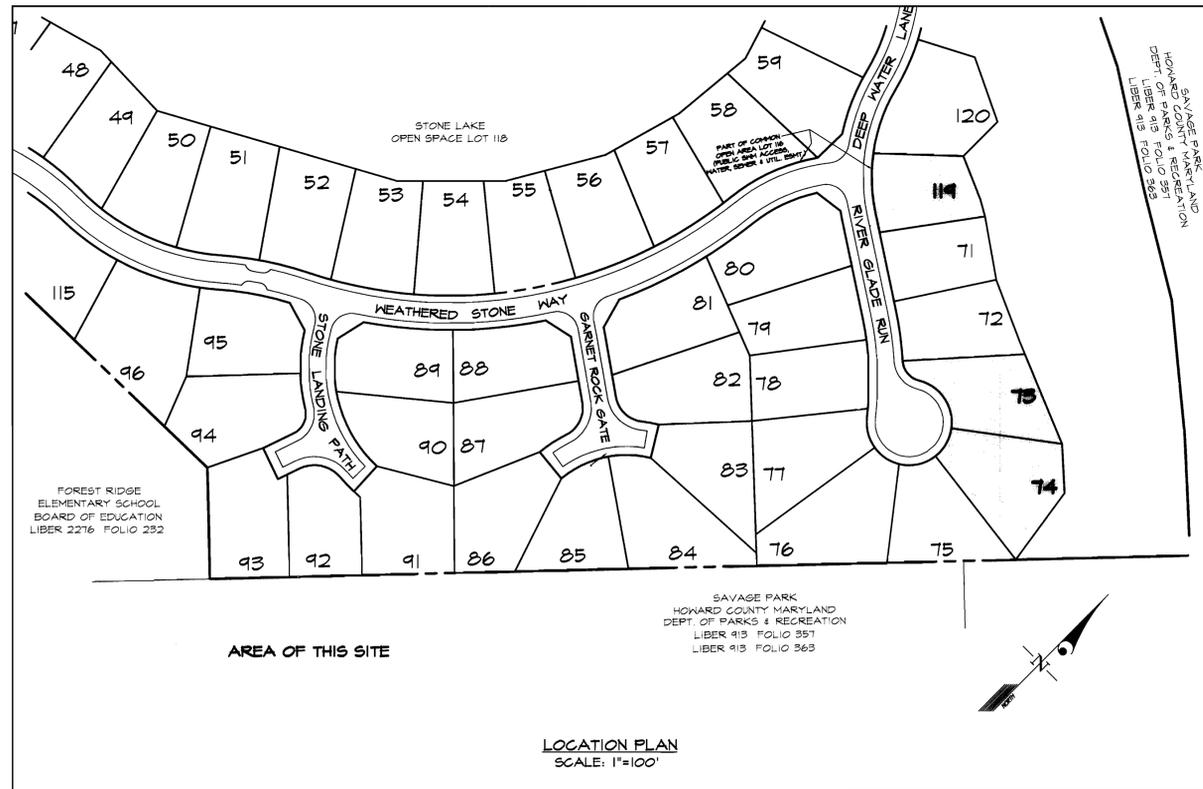
GENERAL NOTES

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY PLUS MSHA STANDARDS AND SPECIFICATIONS IF APPLICABLE.
- THE CONTRACTOR SHALL NOTIFY THE BUREAU OF ENGINEERING/CONSTRUCTION INSPECTION DIVISION AT (410) 313-1800 AT LEAST FIVE (5) WORKING DAYS PRIOR TO THE START OF WORK.
- THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-251-7777 AT LEAST 48-HOURS PRIOR TO ANY EXCAVATION WORK.
- PROJECT BACKGROUND:
LOCATION: TAX MAP #47, GRID 7 P/O PARCEL 037
ZONING: R-ED (PER THE 2/2/04 COMPREHENSIVE ZONING PLAN)
ELECTION DISTRICT: 6TH
BUILDABLE LOT AREA: 35,170 SF OR .80 AC TOTAL FOR LOTS 119, 73 & 74
OPEN SPACE AREA: 0 AC
TOTAL AREA: 35,170 SF OR 0.80 AC.
REG. REF.: PLAT NO. 15534 & 16184
- TRAFFIC CONTROL DEVICES, MARKINGS, AND SIGNING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). ALL STREET AND REGULATORY SIGNS SHALL BE IN PLACE PRIOR TO THE PLACEMENT OF ANY ASPHALT.
- ALL PLAN DIMENSIONS ARE TO THE FACE OF CURB OR FACE OF BUILDING UNLESS OTHERWISE NOTED. DIMENSIONS ARE MEASURED PERPENDICULAR OR RADIAL BETWEEN ITEMS UNLESS OTHERWISE NOTED.
- EXISTING TOPOGRAPHY AND FEATURES WERE DERIVED FROM AERIAL PHOTOGRAPHY BY DAFT, MCGUIN & WALKER/SUMMER 1998 AND MASS GRADING INFORMATION FROM F-01-204.
- HORIZONTAL AND VERTICAL CONTROL BASED ON HOWARD COUNTY CONTROL STATIONS 41 EA & 41 EA.
- PUBLIC WATER AND SEWER IS TO BE UTILIZED (PATAPSCO DRAINAGE AREA). CONTRACT NO. 34-3948-D.
- STORMWATER MANAGEMENT IS PROVIDED BY A PRIVATE FACILITY UNDER F-01-204. THE PRIVATE STORMWATER MANAGEMENT, DRAINAGE AND UTILITY EASEMENT IS OWNED AND MAINTAINED BY THE HOMEOWNERS ASSOCIATION.
- ALL STORM DRAINS SHOWN ARE PRIVATE AND ARE BUILT UNDER THE F-01-204 PLAN.
- INFORMATION CONCERNING UNDERGROUND UTILITIES WAS OBTAINED FROM F-01-204 AND CONTRACT NO. 34-3948-D BUT THE CONTRACTOR MUST DETERMINE THE EXACT LOCATION BY DIGGING TEST PITS BY HAND AT ALL UTILITY CROSSINGS WELL IN ADVANCE OF CONSTRUCTION.
- BOTH THE NOISE AND TRAFFIC STUDIES WERE APPROVED AS PART OF SKETCH PLAN S-00-13 APPROVED ON 10-10-2000.
- ANY DAMAGE TO COUNTY OWNED RIGHT-OF-WAY TO BE CORRECTED AT THE CONTRACTOR'S EXPENSE.
- OTHER HOWARD COUNTY FILES RELATED TO THIS SITE:
S-00-13P-01-15, FB-345, NP-01-88, NP-00-126, NP-01-60, NP-01-44, F-01-111, FB 345, F-01-85, F-01-204SDP-04-52 AND NP-02-50 AND CONTRACT # 34-3948-D.
- FOREST CONSERVATION OBLIGATION FOR THIS DEVELOPMENT HAS BEEN PROVIDED UNDER FINAL PLANS F-01-111 & F-01-204 IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 16.1200 OF THE HOWARD COUNTY CODE.
- FOR DRIVEWAY APRON, SEE HOWARD COUNTY STANDARD DETAIL No R-6.03 AND R-6.05.
- THE REQUIRED PERIMETER LANDSCAPING AND STREET TREES HAVE BEEN PROVIDED AS SHOWN ON APPROVED FINAL PLAN F-01-204 IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 16.124 OF THE HOWARD COUNTY CODE AND LANDSCAPE MANUAL.
- BENCH MARKS/CONTROL STATIONS: #47EA-N 535063.831 E 13571283.984 EL=315.28 AND #47EA-N 535063.831 E 13571283.984 EL=338.41
- IN ACCORDANCE WITH SECTION 12B OF THE HOWARD COUNTY ZONING REGULATIONS, BAY WINDOWS, CHIMNEYS OR EXTERIOR STAIRWAYS NOT MORE THAN 16 FEET IN WIDTH MAY PROJECT NOT MORE THAN 4 FEET INTO ANY SETBACKS, PORCHES OR DECKS, OPEN OR ENCLOSED MAY PROJECT NOT MORE THAN 10 FEET INTO THE FRONT OR REAR YARD SETBACK.
- RIVER GLADE RUN IS A PRIVATE ROAD AND SHALL BE MAINTAINED BY THE HOA.
- TRASH, MAIL AND SCHOOL BUS SERVICES WILL BE PROVIDED TO EACH LOT WITHIN THE DEVELOPMENT. TRASH SERVICES WILL BE PROVIDED BY THE HOWARD COUNTY REFUSE COLLECTION CONTRACTOR. MAIL SERVICES WILL BE PROVIDED BY THE UNITED STATES POSTAL SERVICE. SCHOOL BUS SERVICE WILL BE PROVIDED BY THE HOWARD COUNTY SCHOOL BUS CONTRACTOR. FOR LOTS 16-20, REFUSE COLLECTION, MAIL AND SCHOOL SERVICES ARE PROVIDED AT THE JUNCTION OF LOTS 41 AND 42.
- COMMON OPEN AREA LOTS 41 & 42 ARE FOR THE ESTABLISHMENT OF PRIVATE ROADWAYS. THE PRIVATE ROADWAYS INDICATED ON LOTS 41 & 42 WILL BE OWNED AND MAINTAINED BY THE HOMEOWNER'S ASSOCIATION AND WILL NOT RECEIVE PUBLIC MAINTENANCE.
- ARTICLES OF INCORPORATION FOR THE STONE LAKE COMMUNITY ASSOCIATION WERE FILED WITH THE STATE DEPARTMENT OF ASSESSMENTS AND TAXATION ON 10/4/01, RECEIPT # D06486751. COMMUNITY ASSOCIATION COVENANTS WILL BE RECORDED IN THE LAND RECORDS OF HOWARD COUNTY, SUBSEQUENT TO THIS PLAT.
- SEWER CLEANOUTS SHALL BE FLUSH WITH PROPOSED DRIVEWAY SURFACE. IF A CONCRETE DRIVEWAY IS TO BE UTILIZED, PROVIDE A 12-INCH BY 12-INCH REINFORCED CONCRETE PANEL AROUND THE CLEANOUT WITH EXPANSION JOINT MATERIAL AS APPROPRIATE. IF IN THE FUTURE, CLEANOUT IS PAVED OVER, DFW WILL NOT BE RESPONSIBLE FOR DAMAGE TO DRIVEWAY WHEN ACCESSING CLEANOUT.
- THIS PLAT IS SUBJECT TO THE AMENDED FIFTH EDITION OF THE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS PER COUNCIL BILL 45-2003 AND THE ZONING REGULATIONS AS AMENDED BY COUNCIL BILL 15-2003. DEVELOPMENT OR CONSTRUCTION ON THESE LOTS MUST COMPLY WITH SETBACK AND BUFFER REGULATIONS IN EFFECT AT THE TIME OF SUBMISSION OF THE SITE DEVELOPMENT PLAN, WAIVER PETITION APPLICATION, OR BUILDING/GRADING PERMIT.
- SINCE ALL ROADS ARE PRIVATE, THERE IS NOT FRONT BRL FOR ANY LOT.

RESIDENTIAL SITE DEVELOPMENT PLAN

STONE LAKE

LOTS 73, 74 AND 119



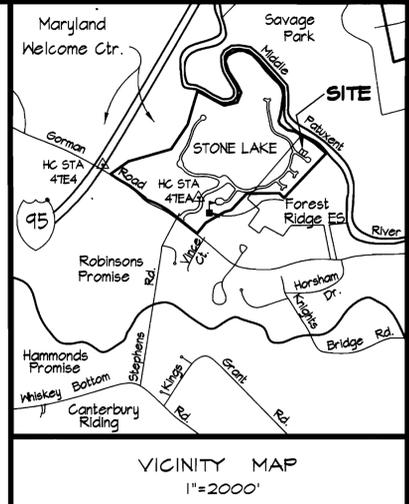
- DRIVEWAYS SHALL BE PROVIDED PRIOR TO ISSUANCE OF A USE AND OCCUPANCY PERMIT FOR ANY NEW DWELLINGS TO INSURE SAFE ACCESS FOR FIRE AND EMERGENCY VEHICLES PER THE FOLLOWING MINIMUM REQUIREMENTS:
A. WIDTH-12' (14' SERVING MORE THAN ONE RESIDENCE);
B. SURFACE- 6" OF COMPACTED CRUSHER RUN BASE WITH TAR AND CHIP COATING (1-1/2" MIN);
C. GEOMETRY- MAX. 15% GRADE, MAX. 10% GRADE CHANGE AND MIN. 45' TURNING RADIUS;
D. STRUCTURES (CULVERTS/BRIDGES) - CAPABLE OF SUPPORTING 25 GROSS TONS (H25 LOADING);
E. DRAINAGE ELEMENTS - CAPABLE OF SAFELY PASSING 100-YEAR FLOOD WITH NO MORE THAN 1 FOOT DEPTH OVER DRIVEWAY SURFACE;
F. MAINTENANCE - SUFFICIENT TO ALL WEATHER USE.
- ALL EASEMENTS (PUBLIC AND PRIVATE) SHOWN ON THESE PLANS ARE PER RECORDED PLAT Nos. 15534 & 16184, UNLESS OTHERWISE NOTED.
- STONE LAKE COMMUNITY ASSOCIATION, INC. IS THE HOMEOWNERS ASSOCIATION RECORDED ON FEBRUARY 21, 2002 IN LIBER 6014 AT FOLIO 414. THE SDAT# IS D06486751.
- NO CLEARING, GRADING OR CONSTRUCTION IS PERMITTED WITHIN THE REQUIRED WETLANDS, WETLANDS BUFFERS, STREAMS, STREAM BUFFERS, FLOODPLAINS, AND STEEP SLOPES, EXCEPT AS PERMITTED PER NP-00-88 AND NP-01-44.
- THE FOREST CONSERVATION EASEMENT HAS BEEN ESTABLISHED TO FULFILL THE REQUIREMENTS OF SECTION 16.1200 OF THE HOWARD COUNTY FOREST CONSERVATION ACT. NO CLEARING, GRADING OR CONSTRUCTION IS PERMITTED WITHIN THE FOREST CONSERVATION EASEMENT, EXCEPT AS SHOWN ON AN APPROVED ROAD CONSTRUCTION DRAWING OR SITE DEVELOPMENT PLAN.

LOCATION PLAN
SCALE: 1"=100'

- THE FOLLOWING WAIVERS ARE APPLICABLE TO THIS SDP:
ON AUGUST 11, 2000, NP-00-88; WAIVER OF SECTIONS 16.116.b.(1)&(2), TO PERMIT GRADING AND CLEARING ON STEEP SLOPES OVER 25% IF THE CONTIGUOUS AREA IS OVER 20,000, AND 16.116.(c), TO PERMIT GRADING AND CLEARING IN WETLANDS, WETLAND BUFFERS, STREAMS, STREAM BUFFERS AND FLOODPLAINS, WAS GRANTED, SUBJECT TO VARIOUS CONDITIONS AS OUTLINED IN THE APPROVAL LETTER.
- ON JULY 12, 2000, NP-00-126; WAIVER OF SECTION 16.144.(c)(2) AND 16.144.(g)(3), WAS GRANTED, TO PERMIT DEVELOPER 45 DAYS FROM THE APPROVAL DATE TO SUBMIT ADDITIONAL INFORMATION AS REQUIRED BY THE SRC AGENCIES.
- ON JANUARY 16, 2001, NP-01-60; WAIVER OF SECTION 16.120.c.(2), TO PERMIT LOTS WITHOUT PUBLIC ROAD FRONTAGE, AND 16.120.c.(4) TO PERMIT THE LENGTH OF A PRIVATE ROAD TO EXCEED 200' FOR SFA UNITS, WAS GRANTED.
- ON APRIL 3, 2001, NP-01-44; WAIVER OF SECTION 16.116.b.(1)&(2), TO PERMIT GRADING AND CLEARING ON STEEP SLOPES OVER 25% IF THE CONTIGUOUS AREA IS OVER 20,000, WAS GRANTED FOR DISTURBANCES ON PROPOSED LOTS 61 & 68, SUBJECT TO VARIOUS CONDITIONS AS OUTLINED IN THE APPROVAL LETTER.
- ON MARCH 28, 2001, NP-01-88; WAIVER OF SECTION 16.116.f WAS DENIED REQUESTING A WAIVER OF THE REQUIREMENTS TO SUBMIT A PRELIMINARY PLAN FOR REQUIRED ROAD IMPROVEMENTS ALONG GORMAN ROAD DUE TO THE JUDGMENT THAT A SEPARATE PRELIMINARY PLAN SUBMISSION WAS NOT REQUIRED.

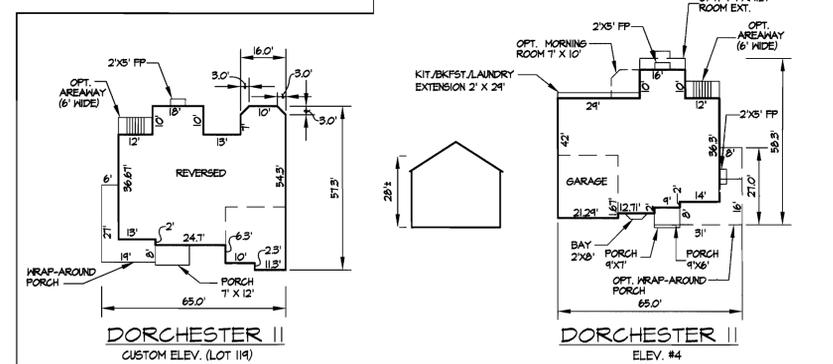
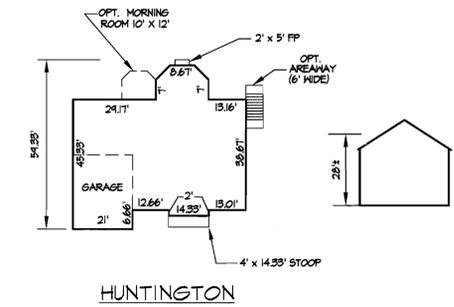
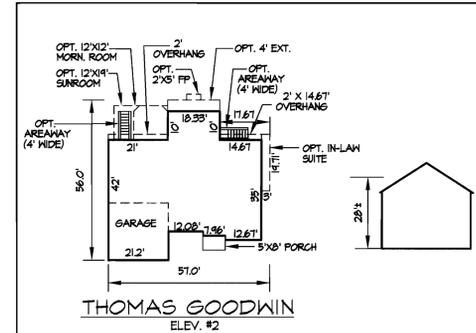
SITE ANALYSIS

- GENERAL SITE DATA
A. PRESENT ZONING: R-ED
B. PROPOSED USE FOR SITE AND STRUCTURE: SINGLE FAMILY DETACHED
C. TOTAL NUMBER OF UNITS: 3
- AREA TABULATION
A. SITE AREA: 0.80± AC. FOR 3 BUILDABLE LOTS
B. AREA OF PLAN SUBMISSION 0.80± AC.
C. LIMIT OF DISTURBANCE: 0.80± AC.



SITE PLAN LEGEND

- ● ● ● LIMIT OF DISTURBANCE/SUBMISSION
- ① EX. STORM DRAIN
- ② EX. SEWER MAIN
- ③ EX. WATER MAIN
- ⊕ FIRE HYDRANT
- ⊖ WATER VALVE
- x x x BARBED WIRE FENCE
- MOUNTABLE CURB & GUTTER
- - -304- - EX. CONTOUR
- - -304- - PROP. CONTOUR
- 03.80 PROP. SPOT ELEV.
- CONC. WALK/PAVEMENT
- EASEMENT SHADING
- STD. INLET PROTECTION
- SF SILT FENCE
- SCB STABILIZED CONSTRUCTION ENTRANCE
- FOREST CONSERVATION EASEMENT
- FOREST CONSERVATION SIGN
- STREET TREE



HOUSE TEMPLATES

SCALE: 1"=30'

SHEET INDEX

SHEET NO.	TITLE
1	COVER SHEET AND HOUSE MODEL DETAILS
2	SITE AND SEDIMENT CONTROL PLAN

ADDRESS CHART

LOT NUMBER	STREET ADDRESS
119	8601 RIVER GLADE RUN
73	8613 RIVER GLADE RUN
74	8617 RIVER GLADE RUN

WATER CODE: E15	SEWER CODE: 6100000	SUBDIVISION NAME: STONE LAKE- LOTS 119, 73 & 74	SECTION/AREA	PARCEL E
PLAT 15534 & 16184	ZONE R-ED	TAX MAP 47	BLOCK 7	ELEC. DIST. 6069.02

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING
 Director: [Signature] Date: 3/28/05
 Chief, Division of Land Development: [Signature] Date: 3/24/05
 Chief, Development Engineering Division: [Signature] Date: 3/21/05

GLWGUTSCHICK LITTLE & WEBER, P.A.
 CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS
 3909 NATIONAL DRIVE - SUITE 250 - BURTONSVILLE OFFICE PARK
 BURTONSVILLE, MARYLAND 20866
 TEL: 301-421-4024 BALT: 410-880-1820 DC/VA: 301-989-2524 FAX: 301-421-4186

DATE	REVISION	BY	APP'R.

PREPARED FOR:
 WILLIAMSBURG GROUP
 P.O. BOX 1018
 COLUMBIA, MD. 21044
 410-997-8800
 ATTN: MR. ROBERT CORBETT

COVER SHEET AND HOUSE MODEL DETAILS
STONE LAKE
LOTS 73, 74 AND 119
 PLAT NO. 15534 & 16184
 ELECTION DISTRICT No. 6
 HOWARD COUNTY, MARYLAND

SCALE: AS NOTED	ZONING: R-ED	G. L. W. FILE No.: 02-119
DATE: DECEMBER 2004	TAX MAP - GRID: 47-7	SHEET: 1 OF 2

SEDIMENT CONTROL NOTES

1. A minimum of 24 hours notice must be given to the Howard County Office of Inspection and Permits prior to the start of any construction. (410) 313-1855
2. 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.
3. Following initial soil disturbance or redistribution, permanent or temporary stabilization shall be completed within: a) 7 calendar days for all perimeter sediment control structures, dikes and perimeter slopes and all slopes greater than 3:1, b) 14 days to all other disturbed or graded areas on the project site.
4. All sediment traps/basins 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.
5. 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, sod, temporary seedings and mulching (Sec. 6). Temporary stabilization, with mulch alone, can only be done when recommended seeding dates do not allow for proper germination and establishment of grasses.
6. 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.
7. Site Analysis:

Total Area of Site	: 204 Acres
Area Disturbed	: 204 Acres
Area to be rooted or paved	: 241 Acres
Area to be vegetatively stabilized	: 561 Acres
Total Cut	: 1350 Cu. Yds.
Total Fill	: 600 Cu. Yds.
Off-site waste/borrow area location:	: 750 Cu. Yds.
8. Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
9. Additional sediment control must be provided, if deemed necessary by the Howard County DPM Sediment Control Inspector.
10. 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.
11. Trenches for the construction of utilities is limited to 3 pipe lengths or that which shall be backfilled and stabilized within 1 working day, whichever is shorter.

PERMANENT SEEDING NOTES

Apply to graded or cleared area not subject to immediate further disturbance where a permanent long-lived vegetative cover is needed.

Seeded Preparation: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding (unless previously loosened).

Soil Amendments: In lieu of soil test recommendations, use one of the following schedules

- 1) Preferred - Apply 2 tons per acre dolomitic limestone (42 lbs/1000 square feet) and 600 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 (4 lbs/1000 sq ft).
- 2) Acceptable - Apply 2 tons per acre dolomitic limestone (42 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 thru April 30, and August 1 thru October 15, seed with 60 lbs per acre (1.4 lbs/1000 sq ft) of Kentucky 31 Tall Fescue. For the period May 1 thru July 31, seed with 60 lbs Kentucky 31 Tall Fescue per acre and 2 lbs per acre (.05 lbs/1000 sq ft) of weeping lovegrass. During the period of October 16 thru 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/acre Kentucky 31 Tall Fescue and mulch with 2 tons/acre well anchored straw.

Mulching: Apply 1-1/2 to 2 tons per acre (10 to 40 lbs/1000 sq ft) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 2lb 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 reseeding.

TEMPORARY SEEDING NOTES

Apply to graded or cleared areas likely to be redistributed where a short-term vegetative cover is needed.

Seeded Preparation: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding (unless previously loosened).

Soil Amendments: Apply 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq ft).

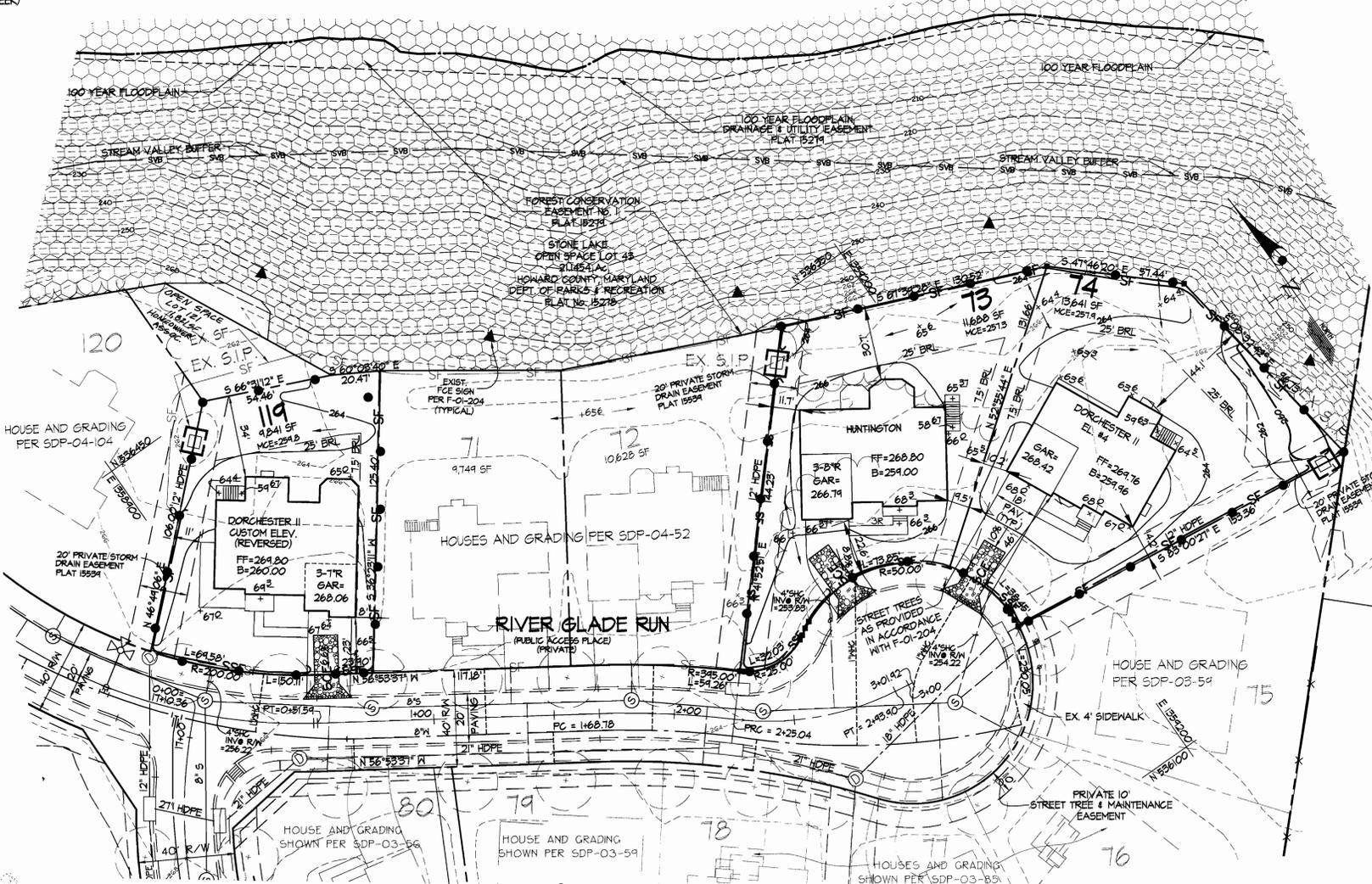
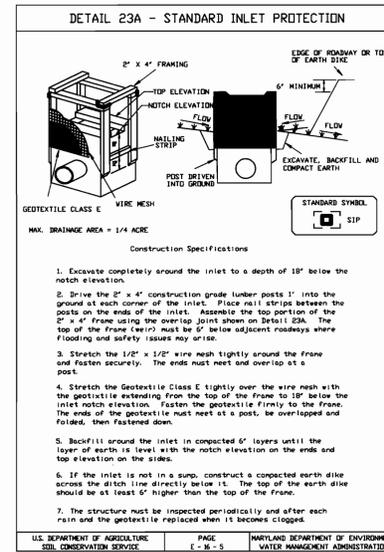
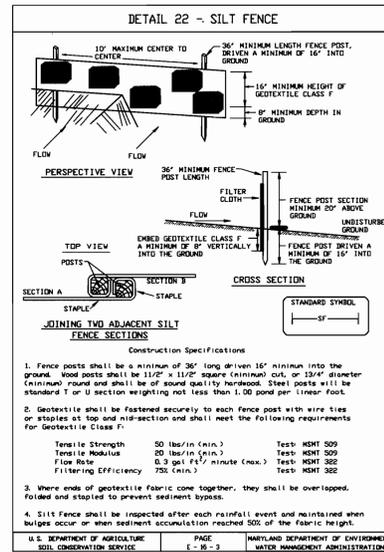
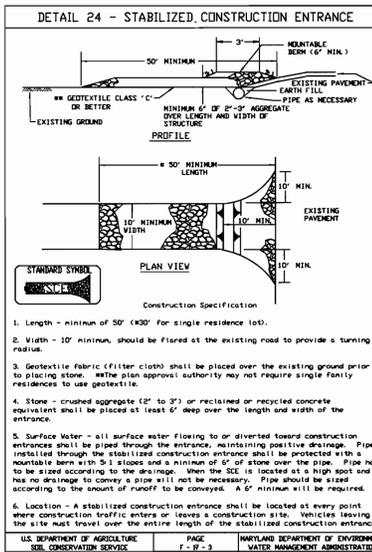
Seeding: For periods March 1 thru April 30 and from August 15 thru October 15, seed with 2-1/2 bushel per acre of annual rye (3.2 lbs/1000 sq ft.). For the period May 1 thru August 14, seed with 3 lbs per acre of weeping lovegrass (.07 lbs/1000 sq ft). For the period November 16 thru February 28, protect 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 (10 to 40 lbs/1000 sq ft) of unrotted, weed-free, small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 2lb gal per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes 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 rate and methods not covered.

SEQUENCE OF CONSTRUCTION

1. OBTAIN GRADING PERMIT AND ARRANGE FOR AN ON SITE MEETING (1 DAY)
2. INSTALL STONE CONSTRUCTION ENTRANCE, SILT FENCE AND INLET PROTECTION. USE EXISTING CONTROL DEVICES AS SHOWN ON SDP-04-52 AND SDP-03-54 IF AVAILABLE. INSTALL ANY EXISTING DEVICES AS NECESSARY. (2 DAYS)
3. BEGIN ROUGH GRADING. (1 WEEK)
4. MAKE UTILITY CONNECTIONS.
5. CONSTRUCT HOUSES. (4 MONTHS)
6. FINE GRADE SITE AND STABILIZE IN ACCORDANCE WITH THE PERMANENT SEEDING NOTES AND REMOVE SEDIMENT CONTROL DEVICES WITH PERMISSION FROM THE SEDIMENT CONTROL INSPECTOR. (1 WEEK)
7. INSTALL SIDEWALK AND DRIVEWAY. (1 WEEK)



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.
Specifications:

- Temporary Methods**
1. Mulches - See standards for vegetative stabilization with mulches only, mulch should be crimped or tacked to prevent blowing.
 2. Vegetative Cover - See standards for temporary vegetative cover.
 3. 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-toothed harrows, and similar plows are examples of equipment which may produce the desired effect.
 4. 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.
 5. Barriers - Solid board fences, silt fences, snow fences, straw bales, and similar material can be used to control air currents and soil blowing. Barriers placed at right angle to prevailing currents at intervals at about ten times their height are effective in controlling soil blowing.
 6. Calcium Chloride - Apply at rates that will keep surface moist. May need treatment.
- Permanent Methods**
1. 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.
 2. Topsoiling - Covering with less erosive soil material. See standards for top soil.
 3. Stone - Cover surface with crushed stone or gravel.
- References**
1. Agriculture Handbook 346. Wind Erosion Forces in the United States and Their Use in Predicting Soil Loss.
 2. Agriculture Information Bulletin 354. How to Control Wind Erosion, USDA, ARS.

ENGINEER'S CERTIFICATE
 "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"
 [Signature] 3/1/05
 Carlton Gutschick, PE. Date

DEVELOPER'S/BUILDER'S CERTIFICATE
 "I/We certify that all development and/or construction will be done in accordance to this plan, and that any responsible personnel involved in the construction project will have a Certificate of Attendance at a Maryland 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 HSCD."
 [Signature] 3/1/05
 Timothy E. Morris Date

These plans have been reviewed for the Howard Soil Conservation District and meet the technical requirements.
 [Signature] 3/14/05
 Natural Resources Conservation Service Date

This Development Plan is approved for Soil Erosion and Sediment Control by the Howard Soil Conservation District.
 [Signature] 3/14/05
 Howard S.C.D. Date

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING + ZONING
 [Signature] 3/28/05
 Director Date
 [Signature] 2/24/05
 Chief, Division of Land Development Date
 [Signature] 3/16/05
 Chief, Development Engineering Division Date

GLWGUTSCHICK LITTLE & WEBER, P.A.
 CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS
 3909 NATIONAL DRIVE - SUITE 250 - BURTONSVILLE OFFICE PARK
 BURTONSVILLE, MARYLAND 20866
 TEL: 301-421-4024 BALT: 410-980-1820 DC/VA: 301-989-2524 FAX: 301-421-4186

LOTS 73, 74 AND 119

PREPARED FOR:
 WILLIAMSBURG GROUP
 P.O. BOX 1018
 COLUMBIA, MD 21044
 410-997-8800
 MR. ROBERT CORBETT

SITE AND SEDIMENT CONTROL PLAN
STONE LAKE
LOTS 73, 74 AND 119
PLAT NO. 15539 & 16184
 ELECTION DISTRICT No. 6
 HOWARD COUNTY, MARYLAND

SCALE	ZONING	G. L. W. FILE No.
1"=30'	R-ED	02-119
DATE	TAX MAP - GRID	SHEET
DECEMBER 2004	47 - 7	2 OF 2

SEDIMENT CONTROL NOTES

- A minimum of 24 hours notice must be given to the Howard County Office of Inspection and Permits prior to the start of any construction. (410) 315-1825
- 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 redistribution, permanent or temporary stabilization shall be completed within: a) 7 calendar days for all perimeter sediment control structures, dikes and 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, sod, temporary seedings and mulching (See 6).
- 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	: 202 Acres
Area Disturbed	: 202 Acres
Area to be roofed or paved	: 244 Acres
Area to be vegetatively stabilized	: 562 Acres
Total Cut	: 1,350 Cu. Yds.
Total Fill	: 600 Cu. Yds.
Off-site waste/borrow area location:	: 70 Cu. Yds.
- 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 DPM 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 3 pipe lengths or that which shall be backfilled and stabilized within 1 working day, whichever is shorter.

PERMANENT SEEDING NOTES

Apply to graded or cleared area not subject to immediate further disturbance where a permanent long-lived vegetative cover is needed.

Seeded Preparation: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding (unless previously loosened).

Soil Amendments: In lieu of soil test recommendations, use one of the following schedules

- Preferred - Apply 2 tons per acre dolomitic limestone (42 lbs/1000 square feet) and 600 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 (4 lbs/1000 sq ft).
- Acceptable - Apply 2 tons per acre dolomitic limestone (42 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 thru April 30, and August 1 thru October 15, seed with 60 lbs per acre (1.4 lbs/1000 sq ft) of Kentucky 31 Tall Fescue. For the period May 1 thru July 31, seed with 60 lbs Kentucky 31 Tall Fescue per acre and 2 lbs per acre (.05 lbs/1000 sq ft) of weeping lovegrass. During the period of October 16 thru 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/acre Kentucky 31 Tall Fescue and mulch with 2 tons/acre well anchored straw.

Mulching: Apply 1-1/2 to 2 tons per acre (10 to 40 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 3 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.

TEMPORARY SEEDING NOTES

Apply to graded or cleared areas likely to be redistributed where a short-term vegetative cover is needed.

Seeded Preparation: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding (unless previously loosened).

Soil Amendments: Apply 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq ft).

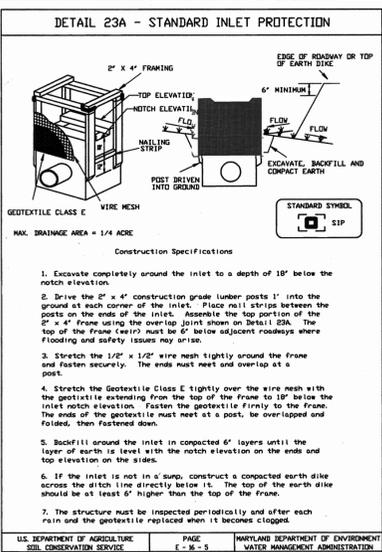
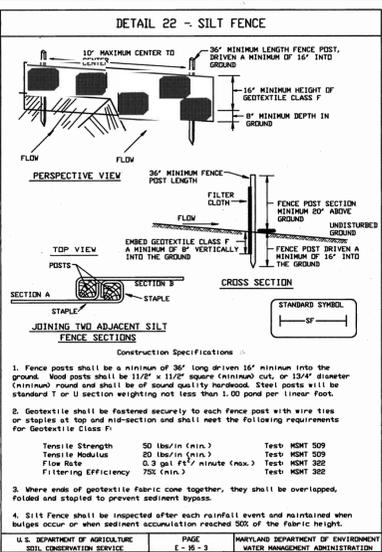
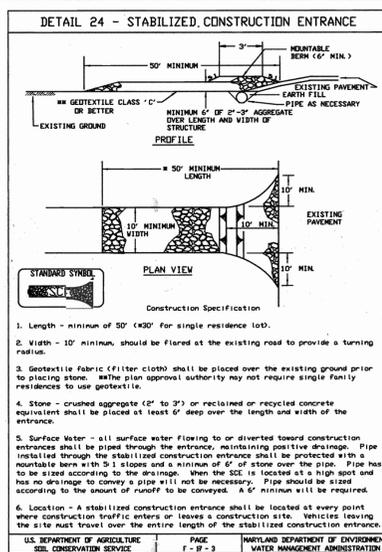
Seeding: For periods March 1 thru April 30 and from August 15 thru October 15, seed with 2-1/2 bushel per acre of annual rye (3.2 lbs/1000 sq ft). For the period May 1 thru August 14, seed with 3 lbs per acre of weeping lovegrass (0.7 lbs/1000 sq ft). For the period November 16 thru February 28, protect 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 (10 to 40 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 slopes 3 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 rate and methods not covered.

SEQUENCE OF CONSTRUCTION

- OBTAIN GRADING PERMIT AND ARRANGE FOR AN ON SITE MEETING (1 DAY)
- INSTALL STONE CONSTRUCTION ENTRANCE, SILT FENCE AND INLET PROTECTION. USE EXISTING CONTROL DEVICES AS SHOWN ON SDP-04-52 AND SDP-05-54 IF AVAILABLE. INSTALL ANY EXISTING DEVICES AS NECESSARY. (2 DAYS)
- BEGIN ROUGH GRADING. (1 WEEK)
- MAKE UTILITY CONNECTIONS.
- CONSTRUCT HOUSES. (4 MONTHS)
- FINE GRADE SITE AND STABILIZE IN ACCORDANCE WITH THE PERMANENT SEEDING NOTES AND REMOVE SEDIMENT CONTROL DEVICES WITH PERMISSION FROM THE SEDIMENT CONTROL INSPECTOR. (1 WEEK)
- INSTALL SIDEWALK AND DRIVEWAY. (1 WEEK)



Dust Control

Definition

Controlling dust blowing and movement on construction sites and roads.

Purpose

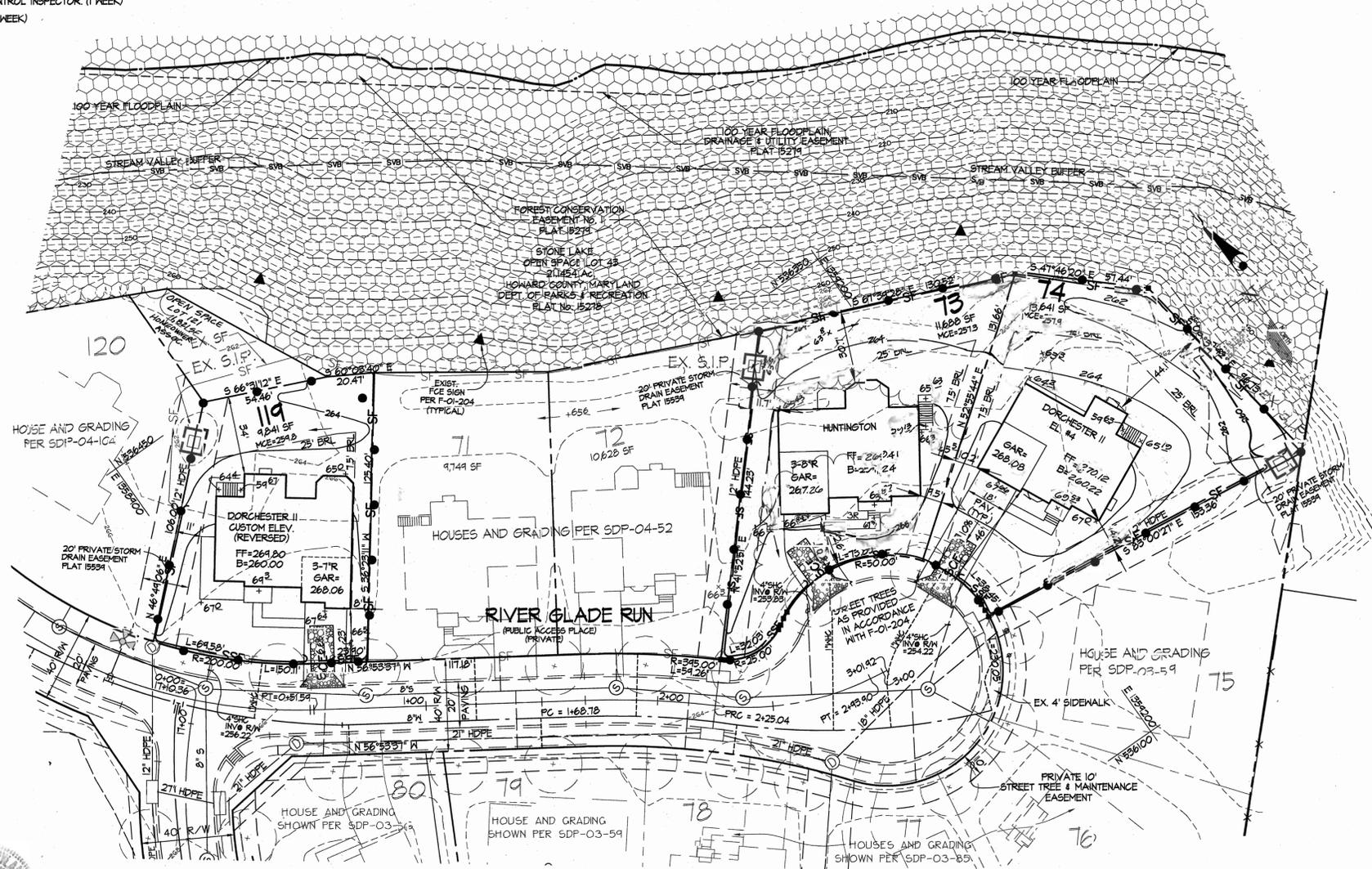
To prevent blowing and movement of dust from exposed soil surfaces, reduce on and off-site damage, health hazards, and improve traffic safety.

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.

Specifications

- Temporary Methods**
- Mulches - See standards for vegetative stabilization with mulches only. Mulch should be crimped or tacked 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-toothed 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, straw bales, and similar material can be used to control air currents and soil blowing. Barriers placed at right angle to prevailing currents at intervals at about ten times their height are effective in controlling soil blowing.
 - Calcium Chloride - Apply at rates that will keep surface moist. May need treatment.
- 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 material. See standards for top soil.
 - Stone - Cover surface with crushed stone or gravel.
- References**
- Agriculture Handbook 346. Wind Erosion Forces in the United States and Their Use in Predicting Soil Loss.
 - Agriculture Information Bulletin 254. How to Control Wind Erosion, USDA-ARS.



ENGINEER'S CERTIFICATE

"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"

Carlton G. Spick, PE. 3/14/05
Date

DEVELOPER'S/BUILDER'S CERTIFICATE

"We certify that all development and/or construction will be done in accordance with this plan, and that any responsible personnel involved in the construction project will have a Certificate of Attendance at a Maryland 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 HSCD."

Timothy E. Morris 3/14/05
Date

These plans have been reviewed for the Howard Soil Conservation District and meet the technical requirements.

Jim Meyer 3/14/05
Natural Resources Conservation Service Date

This Development Plan is approved for Soil Erosion and Sediment Control by the Howard Soil Conservation District.

John R. Blanton 3/14/05
Howard S.C.D. Date

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING + ZONING

Steve Lafferty 3/28/05
Director (A.T.N.G.) Date

Indy Stanak 3/14/05
Chief, Division of Land Development Date

Chris Williams 3/14/05
Chief, Development Engineering Division Date



LOTS 73, 74 AND 119

GLW Gutschick Little & Weber, P.A.
CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS
3909 NATIONAL DRIVE - SUITE 250 - BURTONSVILLE OFFICE PARK
BURTONSVILLE, MARYLAND 20866
TEL: 301-421-4024 BALT: 410-889-1820 DC/VA: 301-889-2524 FAX: 301-421-4186

DATE	REVISION	BY	APPR.
10-11-05	LOT 73-REVISED GRADING FOR FINAL GRADE CERTIFICATION	HKJ	
10-07-05	LOT 74-REVISED GRADING FOR FINAL GRADE CERTIFICATION	HKJ	

PREPARED FOR:
WILLIAMSBURG GROUP
P.O. BOX 1018
COLUMBIA, MD 21044
410-997-8800
MR. ROBERT CORBETT

SITE AND SEDIMENT CONTROL PLAN

STONE LAKE
LOTS 73, 74 AND 119
PLAT No. 15539 & 16184

ELECTION DISTRICT No. 6

HOWARD COUNTY, MARYLAND

SCALE	ZONING	G. L. W. FILE No.
1"=30'	R-ED	02-119
DATE	TAX MAP - GRID	SHEET
DECEMBER 2004	47 - 7	2 OF 2