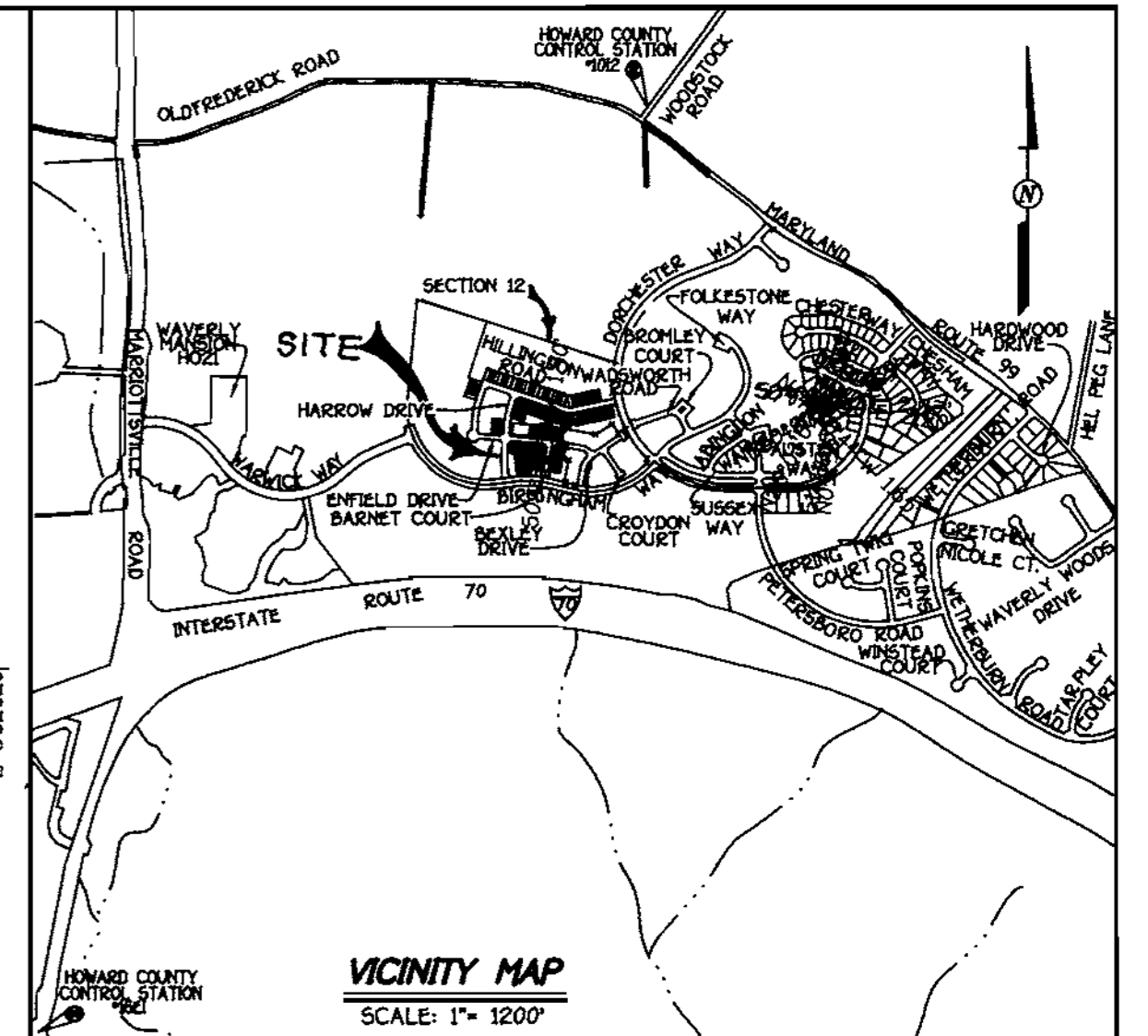


LEGEND	
Symbol	Description
---	Existing Contour
---	Proposed Contour
+ 82.4	Spot Elevation
-5'-6'	Silt Fence
---	Proposed Walkout

SHEET INDEX	
Sheet No.	Description
1	Site Development Plan
2	Sediment and Erosion Control Map and Landscape Plan
3	Detail Sheet

PARKING ANALYSIS

PARKING SPACES REQUIRED:
 2 PARKING SPACES PER DWELLING UNIT
 (09 x 2 = 78)
 2 PARKING SPACES PROVIDED 42
 GARAGE UNITS (2) = PARKING SPACES
 ONE CAR PARKED IN GARAGE
 ONE CAR PARKED IN DRIVEWAY
 SUMMARY:
 PARKING SPACES PROVIDED:
 GARAGE UNITS = 42
 SPACES IN DRIVEWAY = 80
 TOTAL SPACES = 123



- GENERAL NOTES:**
- THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION INSPECTION DIVISION AT (410) 333-1890 AT LEAST (5) FIVE WORKING DAYS 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.
 - THIS PROJECT IS SUBJECT TO HOWARD COUNTY FILES: 5 94-07, P 00-17, F 01-31, AND ZONING BOARD CASE NO. ZB929-M
 - TOPOGRAPHIC TAKEN FROM FINAL ROAD CONSTRUCTION, GRADING AND SEDIMENT CONTROL PLANS (F 01-31)
 - BOUNDARY SURVEY PERFORMED BY FISHER COLLINS AND CARTER INC. ON OR ABOUT AUGUST, 1990
 - HORIZONTAL AND VERTICAL CONTROL DATUM IS BASED ON HOWARD COUNTY GEODETIC CONTROL STATIONS:
 HOWARD COUNTY MONUMENT 1022 N 601060177 ELEV. = 445.577
 E 1345336.7500
 HOWARD COUNTY MONUMENT 1861 N 593250.9322 ELEV. = 509.924
 E 1340929.7100
 - ANY DAMAGE TO THE COUNTY'S RIGHT-OF-WAY SHALL BE CORRECTED AT THE DEVELOPER'S EXPENSE.
 - THIS PLAN IS FOR HOUSE SITING AND LOT GRADING ONLY. IMPROVEMENTS SHOWN AT EASEMENT LINE PRIOR TO CONSTRUCTION.
 FOR CONSTRUCTION SEE APPROVED ROAD CONSTRUCTION PLANS F 01-31 AND/OR APPROVED WATER AND SEWER PLANS CONTRACT NO. 24-3780-D, 24-3859-D, AND 24-3566-D.
 - CONTRACTOR WILL CHECK SEWER HOUSE CONNECTION ELEVATION AT EASEMENT LINE PRIOR TO CONSTRUCTION.
 - STORMWATER MANAGEMENT OBLIGATIONS ARE FULFILLED UNDER F-01-31
 - SITE ANALYSIS DATA:**
 A. TOTAL PROJECT AREA: 2.627 AC.
 B. AREA OF PLAN SUBMISSION: 2.209 AC.
 C. LIMIT OF DISTURBED AREA: 1.588 AC.
 D. PRESENT ZONING: R-5A-B
 E. PROPOSED USE FOR SITE AND STRUCTURES: SINGLE FAMILY ATTACHED DW.
 F. TOTAL NUMBER OF UNITS ALLOWED: 39
 G. TOTAL NUMBER OF UNITS PROPOSED: 39
 H. NUMBER OF PARKING SPACES REQUIRED: 78
 (2 SPACES PER DWELLING UNIT)
 I. NUMBER OF PARKING SPACES PROVIDED: 123 (80 Common Sp. 42 Gar./Drivry Sp.)
 J. OPEN SPACE REQUIREMENTS ARE PROVIDED SEE F 01-31
 K. MAXIMUM LOT COVERAGES ALLOWED: 60%
 - THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 16.24 OF THE HOWARD COUNTY CODE AND LANDSCAPE MANUAL. FINANCIAL SURETY FOR THE REQUIRED LANDSCAPING SHALL BE POSTED AS PART OF THE GRADING PERMIT IN THE AMOUNT OF ELEVEN THOUSAND AND NINE HUNDRED DOLLARS (\$11,900).
 - GARAGES SHALL BE USED FOR PARKING PURPOSE ONLY IN ACCORDANCE WITH SECTION 133.D.2.A OF THE HOWARD COUNTY ZONING REGULATIONS.
 - TYPICAL DRIVEWAY APRON DETAIL FOR ALL GARAGE UNITS TO BE HOWARD COUNTY CLOSED SECTION DETAIL. SEE SHEET 3 FOR SPECIFICATION. HOW. CO. STANDARD DETAIL R 5.01.
 - THE FOREST CONSERVATION OBLIGATION FOR SECTION 12 HAS BEEN MET BY THE CREATION OF A 1.66 ACRE AFFORESTATION EASEMENT PER F-01-31
 - OPEN DECKS ARE NOT CONSIDERED STRUCTURES FOR CALCULATING LOT COVERAGE ON SINGLE FAMILY ATTACHED DWELLING PER HOWARD COUNTY ZONING REGULATIONS SECTION 12B.A(2).
 - ALL DWELLINGS ARE SUBJECT TO SECTION 12B.A.1 AND C OF THE HOWARD COUNTY ZONING REGULATIONS
 - PROPERTY ZONED: R-5A-B**
 Single family attached
 - STREET TREES SHOWN TAKEN FROM APPROVED F-01B1 ROAD DRAWINGS.

LOT NUMBER	STREET ADDRESS	MIN. CELLAR ELEV.	INV. ELEV. STREET	LOT SIZE	100% Max. Coverage W/ Full Foundation
36	10746 ENFIELD DRIVE	500.73	496.53	2850 SqFt.	37%
39	10744 ENFIELD DRIVE	500.67	496.47	2090 SqFt.	51%
40	10742 ENFIELD DRIVE	500.56	496.36	2090 SqFt.	51%
41	10740 ENFIELD DRIVE	500.43	496.23	2850 SqFt.	37%
42	10736 ENFIELD DRIVE	502.96	498.76	2004 SqFt.	36%
43	10734 ENFIELD DRIVE	503.38	499.18	1959 SqFt.	50%
44	10732 ENFIELD DRIVE	503.38	499.18	1958 SqFt.	54%
45	10730 ENFIELD DRIVE	504.38	500.18	1938 SqFt.	55%
46	10728 ENFIELD DRIVE	504.88	500.68	1958 SqFt.	56%
47	10726 ENFIELD DRIVE	504.88	500.68	2384 SqFt.	44%
49	7201 BARNET COURT	505.80	501.60	2968 SqFt.	36%
50	7203 BARNET COURT	505.30	501.10	2200 SqFt.	48%
51	7205 BARNET COURT	505.30	501.10	2200 SqFt.	48%
52	7207 BARNET COURT	504.80	500.60	3000 SqFt.	35%
53	7209 BARNET COURT	504.80	500.60	2820 SqFt.	38%
54	7211 BARNET COURT	504.30	500.10	2068 SqFt.	51%
55	7213 BARNET COURT	501.73	497.53	2068 SqFt.	51%
56	7215 BARNET COURT	501.92	497.72	2820 SqFt.	37%
57	7214 BARNET COURT	501.02	497.67	2850 SqFt.	37%
58	7212 BARNET COURT	500.53	497.18	2090 SqFt.	51%
59	7210 BARNET COURT	500.35	497.00	2090 SqFt.	51%
60	7208 BARNET COURT	501.38	497.18	2850 SqFt.	37%
61	7206 BARNET COURT	501.07	496.87	2850 SqFt.	37%
62	7204 BARNET COURT	500.88	496.68	2090 SqFt.	51%
63	7202 BARNET COURT	500.70	496.50	2090 SqFt.	51%
64	7200 BARNET COURT	500.54	496.34	2838 SqFt.	37%
65	10747 ENFIELD DRIVE	504.80	500.60	3000 SqFt.	35%
66	10749 ENFIELD DRIVE	504.80	500.60	2200 SqFt.	48%
67	10751 ENFIELD DRIVE	505.30	501.10	2200 SqFt.	49%
68	10753 ENFIELD DRIVE	505.80	501.60	2200 SqFt.	48%
69	10755 ENFIELD DRIVE	506.30	502.10	2200 SqFt.	49%
70	10757 ENFIELD DRIVE	506.80	502.60	2200 SqFt.	48%
71	10759 ENFIELD DRIVE	508.30	504.10	3000 SqFt.	36%
72	2110 HARROW COURT	503.59	499.39	2773 SqFt.	38%
73	2108 HARROW COURT	503.78	499.58	2200 SqFt.	49%
74	2106 HARROW COURT	503.94	499.74	2200 SqFt.	48%
75	2104 HARROW COURT	504.10	499.90	2200 SqFt.	49%
76	2102 HARROW COURT	504.26	500.06	2200 SqFt.	49%
77	2100 HARROW COURT	504.47	500.27	3200 SqFt.	33%

FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 CENTRAL OFFICE: 10722 BALTIMORE NATIONAL PIKE
 ELICOTT CITY, MARYLAND 21042
 (410) 461-2855

REVISIONS

No.	Description	Date
1	As Shown	4/18/01
2	As Shown	4/18/01

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 of Engineer: *Earl D. Collins* Date: 4-18-01

DEVELOPER'S CERTIFICATE
 I/we certify that all development and construction will be done according to this plan for sediment and erosion control 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.

Signature of Developer: *Michael Shearer* Date: 4/18/01

Reviewed for HOWARD SCD and meets Technical Requirements.

Signature: *John M. Myers* Date: 5/1/01
 Signature: *John C. Roberts* Date: 5/1/01

APPROVED: DEPARTMENT OF PLANNING AND ZONING
 Signature: *Cinda Hamilton* Date: 5/23/01
 Signature: *John Shearer* Date: 5/14/01
 Signature: *John Shearer* Date: 5/23/01

GTW'S WAVERLY WOODS SECTION 12 38-47 AND 49-77

OWNER/DEVELOPER	BUILDER/CONTRACT PURCHASER	PLAT	BLOCK NO.	ZONE	TAX/ZONE	ELEC. DIST.	CENSUS TR.
WAVERLY WOODS DEVELOPMENT CORP. 16 LAND DESIGN & DEVELOPMENT CORP. 8000 MAIN STREET ELICOTT CITY, MARYLAND 21043	RYAN HOMES 11420 CRONRIDGE DRIVE #128 OWINGS MILLS, MARYLAND 21117	14189-14197	5	R5A-B	16	THIRD	6030

WATER CODE: H-03 SEWER CODE: 5993000

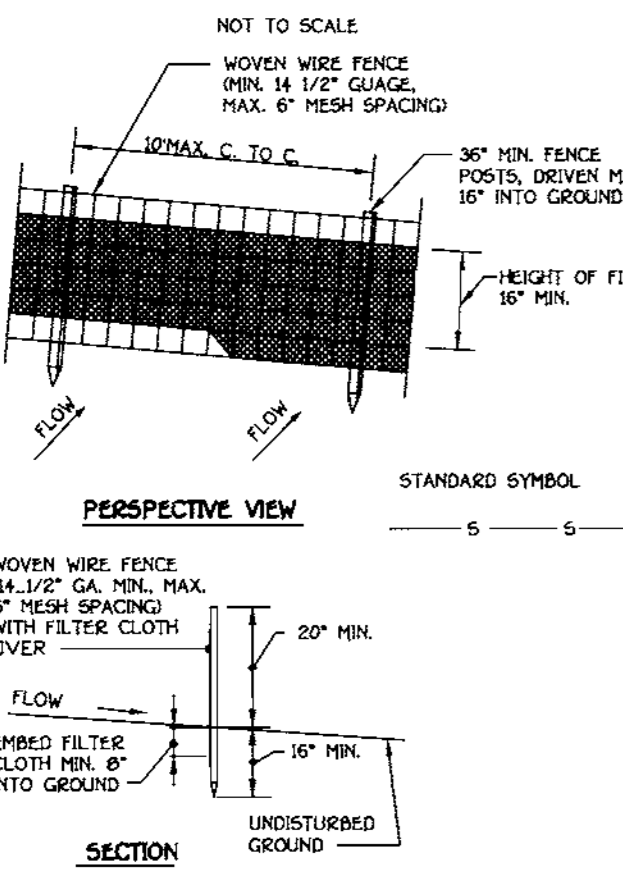
SITE DEVELOPMENT PLAN

GTW'S WAVERLY WOODS SECTION 12
 LOTS 38 THRU 47 AND 49 THRU 77
 (A SUBDIVISION OF PART OF THE PROPERTY OF GTW JOINT VENTURE, LIBER 2222, FOLIO 36)
 ZONED: R-5A-B

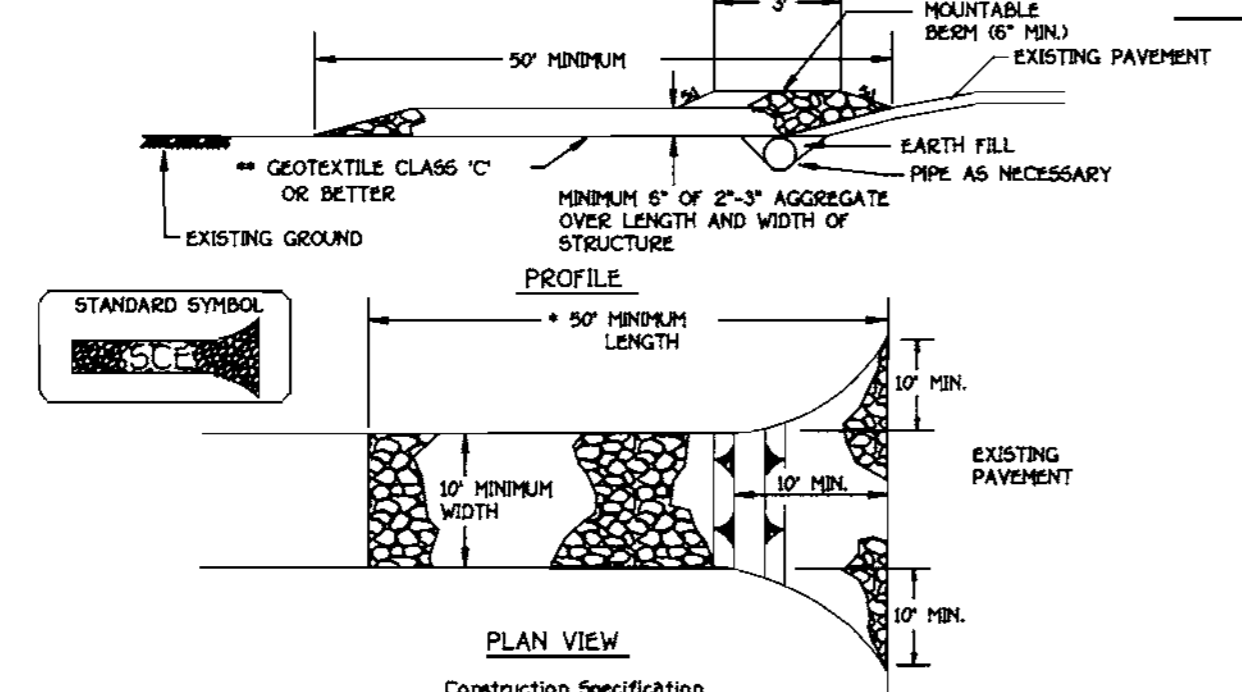
TAX MAP NO: 16 PART OF PARCEL: 20
 THIRD ELECTION DISTRICT, HOWARD COUNTY, MARYLAND
 SCALE: 1" = 30' DATE: SEPTEMBER, 2000
 SHEET 1 OF 3

SDP 01-99

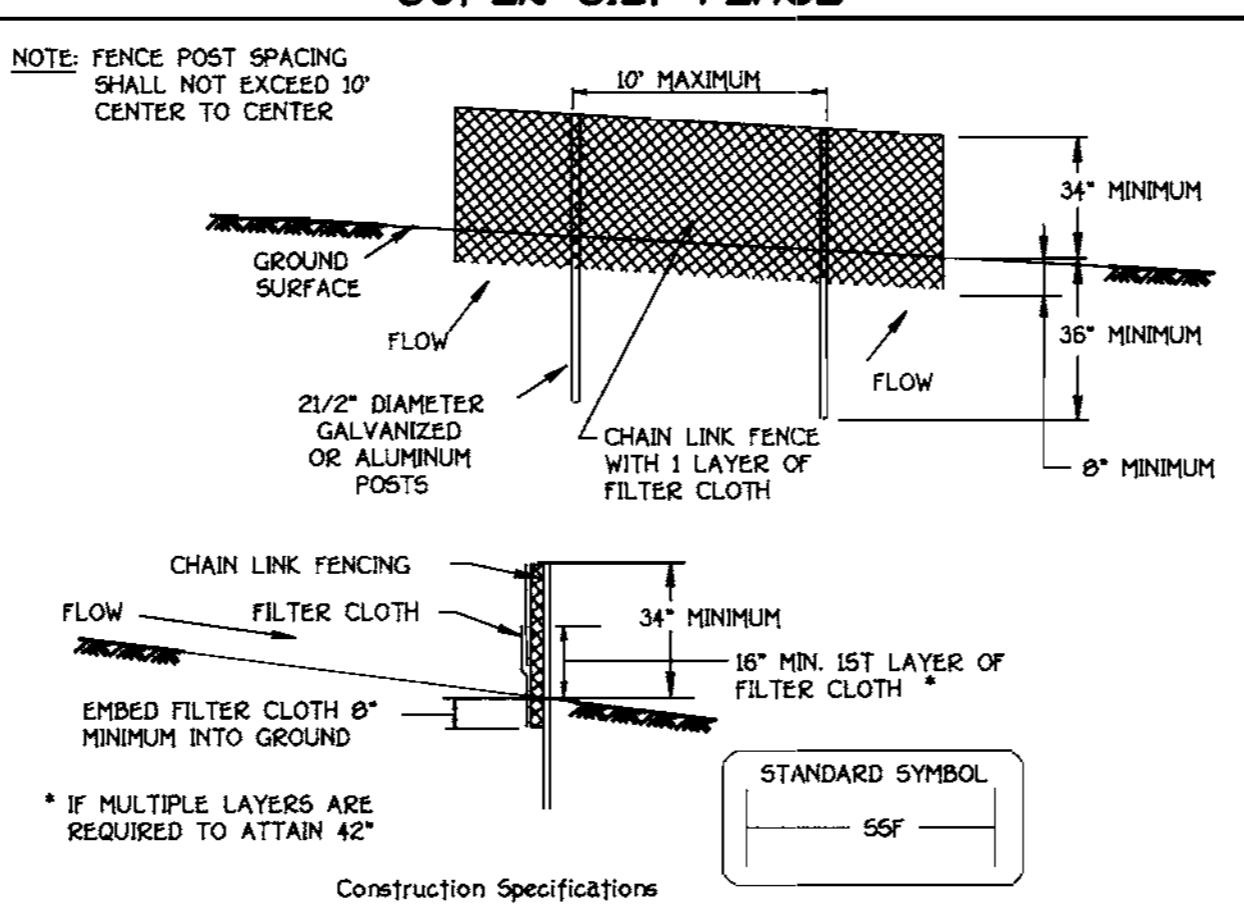
SILT FENCE



STABILIZED CONSTRUCTION ENTRANCE



SUPER SILT FENCE



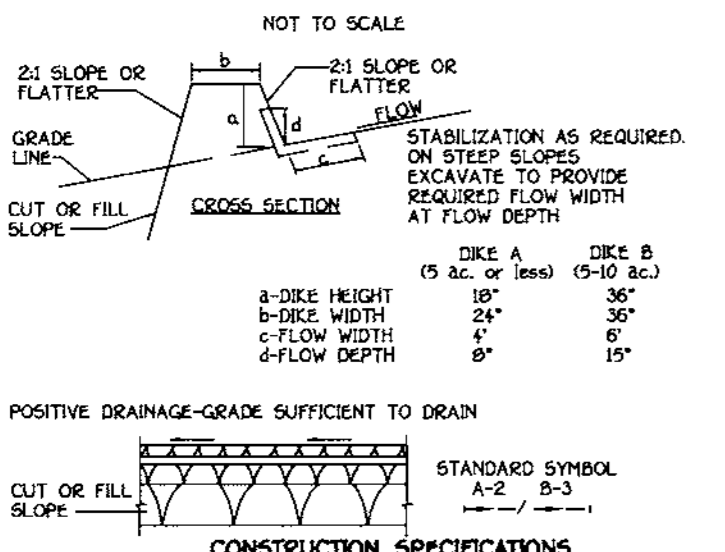
SEDIMENT CONTROL NOTES

- A MINIMUM OF 48 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSING AND PERMITS, SEDIMENT CONTROL DIVISION PRIOR TO THE START OF ANY CONSTRUCTION OR DISTURBANCE.
- 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 MARILAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, AND REVISIONS THEREOF.
- FOLLOWING INITIAL SOIL DISTURBANCE OR SO-DISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN 47 CALENDAR DAYS FOR ALL PERMITS. SEDIMENT CONTROL STRUCTURES, DICES, PERMITS SLOPES AND ALL SLOPES STEEPER THAN 3:1, 30' H. DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
- ALL SEDIMENT TRAP/BAFFLES SHALL BE MAINTAINED AND WASHING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. 1, CHAPTER 12, OF THE HOWARD COUNTY DESIGN HANDBOOK.
- ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1998 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, FOR PERMANENT SEEDING (SEC. 501, 502, 503, 504), TEMPORARY SEEDING (SEC. 501, 502, 503, 504), AND HOLDING (SEC. 501, 502, 503, 504). TEMPORARY SEEDING SHALL 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: 2,827 ACRES
 - AREA TO BE GRADED OR PAVED: 1,560 ACRES
 - AREA TO BE VEGETATED OR STABILIZED: 0,996 ACRES
 - TOTAL CUT: 1,000 CU YDS.
 - TOTAL FILL: 1,000 CU YDS.
- ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GOINGING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.
- ADDITIONAL SEDIMENT CONTROLS 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 PERMETER EROSION AND SEDIMENT CONTROLS, BUT BEFORE PROCEEDING WITH ANY OTHER WORK.
- SEEDING: OTHER BUILDING OR GRADING INSPECTION BY THE INSPECTION AGENCY IS MADE.
- TRENCHES FOR THE CONSTRUCTION OF UTILITIES IS LIMITED TO THREE PIPE DIA. TRENCHES PER CONSTRUCTION SITE AND STABILIZED WITHIN ONE WORKING DAY, WHICHEVER IS SHORTER.

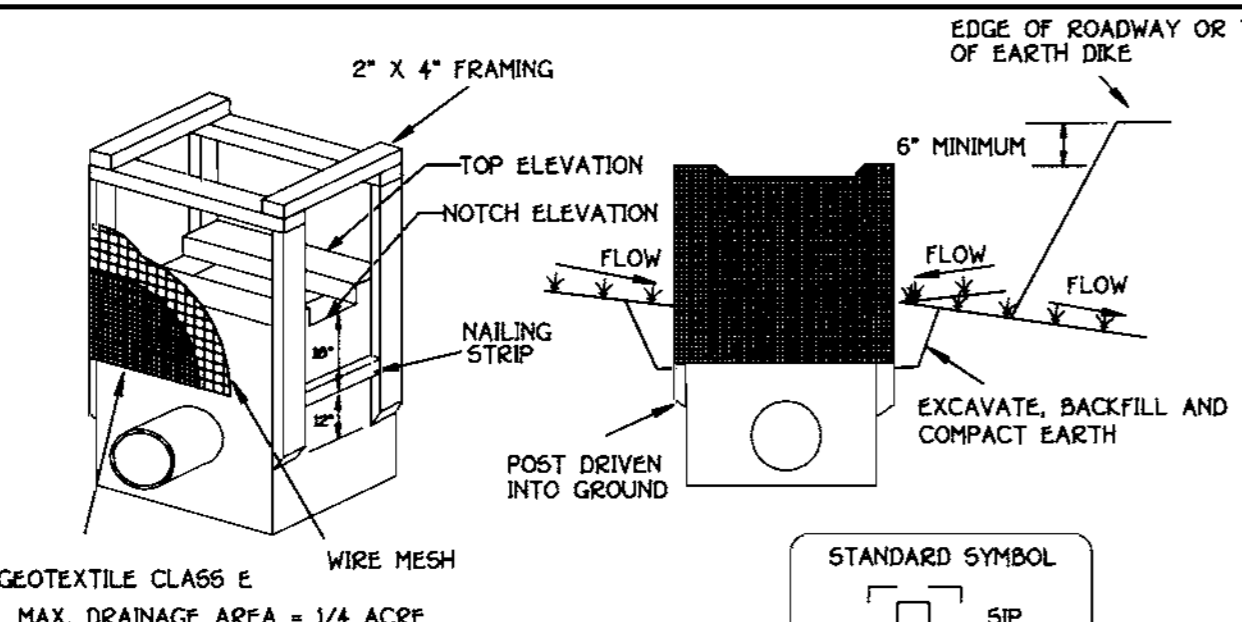
STANDARDS AND SPECIFICATIONS FOR VEGETATIVE STABILIZATION

- Using vegetation as cover for barren soil to protect it from erosion that cause erosion. Vegetative stabilization practices are used to promote the reestablishment of vegetation on exposed soil. When soil is stabilized with vegetation, the soil is less likely to erode and more likely to allow infiltration of rainfall, thereby reducing sediment loads and runoff to downstream areas, and improving water quality and soil resources.
- DEFINITION:** RE-ESTABLISHMENT OF VEGETATION ON EXPOSED SOIL. When soil is stabilized with vegetation, the soil is less likely to erode and more likely to allow infiltration of rainfall, thereby reducing sediment loads and runoff to downstream areas, and improving water quality and soil resources.
- CONDITIONS WHERE PRACTICE APPLIES:**
- Disturbed areas that are not to be used for agriculture or other critical erosion areas. This specification is divided into temporary and permanent stabilization practices for short or long term stabilization.
 - Temporary Seeding, for long term vegetative cover. Examples of applicable areas for temporary seeding are temporary soil stabilization, cleared areas between construction phases, storm drains, etc. and for Permanent Seeding are lawns, dunes, cut and fill slopes and other areas at final grade, former stockpile and staging areas, etc.
- EFFECTS ON WATER QUALITY AND QUANTITY:**
- Planting vegetation in disturbed areas will have an effect on the water budget, especially on volume and rates of runoff, infiltration, evaporation, transpiration, percolation, and groundwater recharge. Vegetation over time, will increase organic matter content and improve the water holding capacity of the soil and subsequent runoff growth. Vegetation will help reduce the movement of sediment and nutrients carried by runoff to receiving waters. Plants will also help protect groundwater supplies by assimilating those substances present within the root zone. Sediment control devices must remain in place during grading, seeding and vegetation establishment to prevent large quantities of sediment and associated chemicals and nutrients from washing into surface waters.
- SECTION 1 - VEGETATIVE STABILIZATION METHODS AND MATERIALS**
- Site Preparation
 - Install erosion and sediment control structures (either temporary or permanent) such as diversions, grade stabilization structures, berms, white-washes, or sediment control basins.
 - Perform all grading operations at right angles to the slope. Final grading and shaping is not usually necessary for temporary seeding.
 - Schedule required soil tests to determine soil amendment composition and application rates for sites having disturbed areas over 5 acres.
 - Soil Amendment (Fertilizer)
 - Soil tests must be performed to determine the exact rates and application rates for both lime and fertilizer on areas having disturbed areas over 5 acres. Soil analysis may be performed by the University of Maryland or a recognized commercial laboratory. Soil samples taken for engineering purposes may also be used for chemical analysis.
 - Fertilizers shall be uniform in composition, free flowing and suitable for accurate application by approved equipment. Manure may be substituted for fertilizer with prior approval from the appropriate approval authority. Fertilizers shall be delivered to the site fully banded according to the application rate and shall be applied to the site in a timely manner. The rate and volume of fertilizer to be applied shall be based on ground limestone (distilled or burnt lime) may be substituted which contains at least 50% total oxide calcium oxide plus magnesium oxide. Limestone shall be ground to such fineness that at least 50% will pass through a #20 mesh sieve and 90-100% will pass through a #20 sieve.
 - Incorporate lime and fertilizer into the top 3-5" of soil by disking or other suitable means.
 - Temporary Seeding
 - Seeding shall consist of loosening soil to a depth of 3" to 5" by means of suitable agricultural or construction equipment, such as disc harrows or chisel plows or rippers mounted on construction equipment. After the soil is loosened it should not be rolled or dragged smooth, but left in the roughened condition. Seeded areas greater than 3/8" should be tracked leaving the surface in an irregular condition with ridges running in the contour of the slope. The soil should be covered with straw or mulch. The top 1-3" of soil should be loose and friable. Seeding loosening may not be necessary on newly disturbed areas.
 - Permanent Seeding
 - Minimum soil conditions required for permanent vegetative establishment:
 - Soil shall contain less than 500 ppm of total suspended solids.
 - Soil shall contain less than 500 ppm of total dissolved solids.
 - Soil shall contain sufficient pore space to permit adequate root penetration.
 - Soil shall contain sufficient organic matter to provide the capacity to hold a moderate amount of moisture. An exception is for limestone or mercuric iodide areas to be planted, then a sandy soil (50% silt plus clay) would be acceptable.
 - Soil shall contain less than 10% organic matter by weight.
 - Soil shall contain sufficient pore space to permit adequate root penetration.
 - Soil shall contain sufficient organic matter to provide the capacity to hold a moderate amount of moisture. An exception is for limestone or mercuric iodide areas to be planted, then a sandy soil (50% silt plus clay) would be acceptable.
 - Areas previously graded in conformance with the drawings shall be maintained in a true and even condition. The soil shall be loosened to a depth of 3" to 5" by means of suitable agricultural or construction equipment. After the soil is loosened it should not be rolled or dragged smooth, but left in the roughened condition. Seeded areas greater than 3/8" should be tracked leaving the surface in an irregular condition with ridges running in the contour of the slope. The soil should be covered with straw or mulch. The top 1-3" of soil should be loose and friable. Seeding loosening may not be necessary on newly disturbed areas.
 - Apply soil amendments as per soil test or as included on the plans.
 - Soil amendments to be applied to the soil by means of suitable means. Lawn areas should be raked to smooth the surface, remove large objects like stones and branches, and make the area free of debris. The soil should be loosened to a depth of 3" to 5" by means of suitable agricultural or construction equipment. After the soil is loosened it should not be rolled or dragged smooth, but left in the roughened condition. Seeded areas greater than 3/8" should be tracked leaving the surface in an irregular condition with ridges running in the contour of the slope. The soil should be covered with straw or mulch. The top 1-3" of soil should be loose and friable. Seeding loosening may not be necessary on newly disturbed areas.

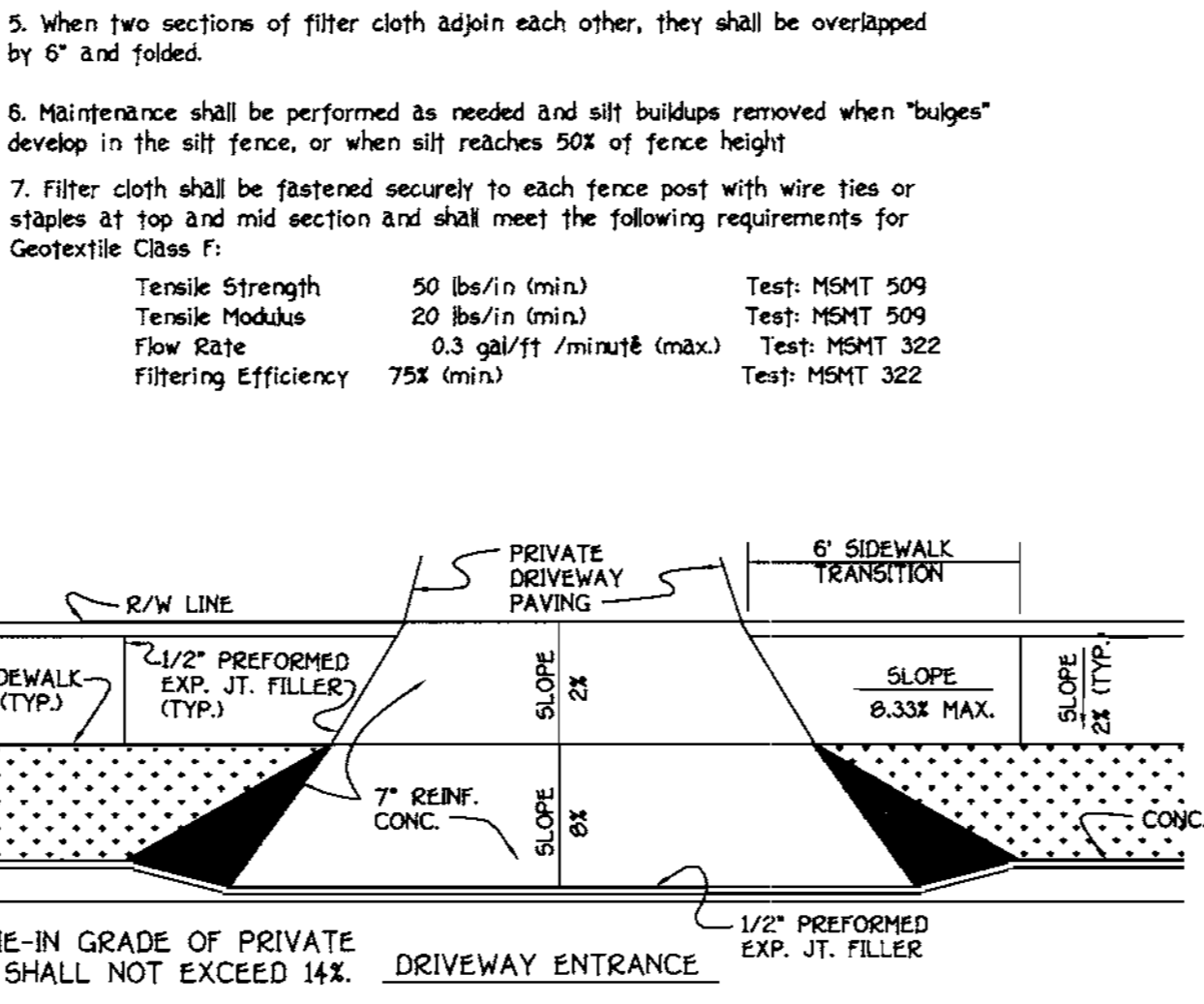
EARTH DIKE



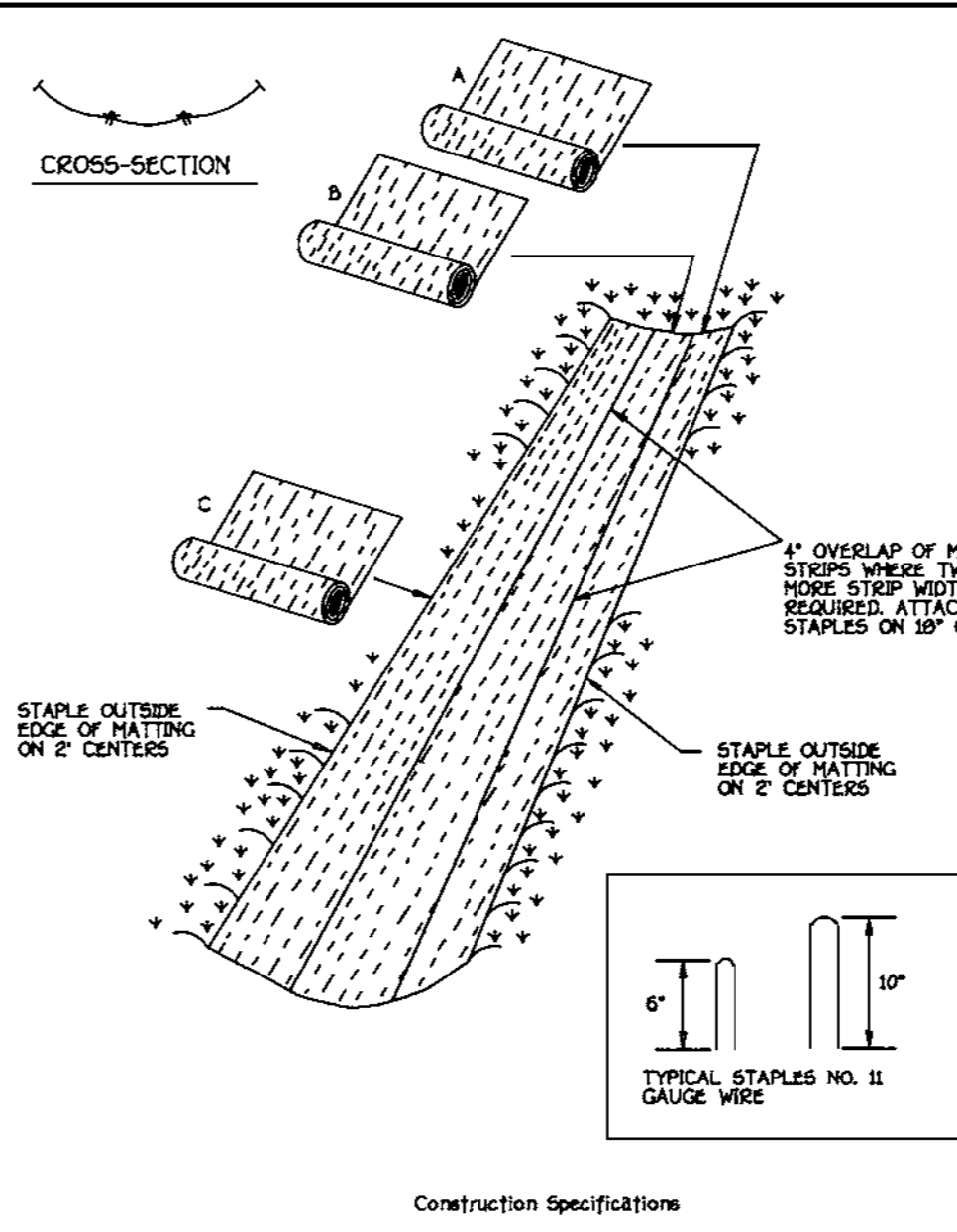
STANDARD INLET PROTECTION



RESIDENTIAL DRIVEWAY ENTRANCE



EROSION CONTROL MATTING



PERMANENT SEEDING NOTES

- ALL DISTURBED AREAS SHALL BE STABILIZED AS FOLLOWS:
- SEEDING PREPARATION:**
- LOOSEN UPPER THREE INCHES OF SOIL BY GRADING, DISKING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING.
- SOIL AMENDMENTS:**
- APPLY 2 TONS PER ACRE DOLOMITE LIMESTONE (82 LBS/1,000 SQ FT) AND 500 LBS. PER ACRE 0-20-20 FERTILIZER (14 LBS/1,000 SQ FT) BEFORE SEEDING HARROW OR DISK INTO UPPER THREE INCHES OF SOIL. AT TIME OF SEEDING, APPLY 400 LBS. PER ACRE 30-0-0 UREAFORM FERTILIZER (14 LBS/1,000 SQ FT) AND 500 LBS. PER ACRE 0-15 LBS/1,000 SQ FT OF 0-20-20 FERTILIZER.
- SEEDING:**
- FOR THE PERIODS MARCH 1 THROUGH APRIL 30, AND AUGUST 1 THROUGH OCTOBER 15, SEED WITH 100 LBS. PER ACRE (2.3 LBS/1,000 SQ FT) OF KENTUCKY 3 TALL FESCUE FOR THE PERIOD MAY 1 THROUGH JULY 31, SEED WITH 60 LBS/ACRE (1.4 LBS/1,000 SQ FT) KENTUCKY 3 TALL FESCUE AND 2 LBS. PER ACRE (0.04 LBS/1,000 SQ FT) OF WEEPING LOVERGRASS. DURING THE PERIOD OF OCTOBER 16 THROUGH FEBRUARY 29, PROJECT 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 500 LBS. OPTION (3) - SEED WITH 100 LBS/ACRE KENTUCKY 3 TALL FESCUE AND MULCH WITH 2 TONS/ACRE WELL ANCHORED STRAW. ALL SLOPES SHOULD BE HYDROSEEDING.
- MULCHING:**
- APPLY 1 TO 2 TONS PER ACRE (10 TO 90 LBS./1,000 SQ FT) OF UNROTTED SMALL GRASS STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING 200 GALLONS PER ACRE (5 GALLONS/1,000 SQ FT) OF ENHANCED ASPHALT ON FLAT AREAS, ON SLOPES 6 FEET OR STEEPER USE 340 GALLONS PER ACRE (34 GALLONS/1,000 SQ FT) FOR ANCHORING.
- MAINTENANCE:**
- REPAIR ALL SEEDING AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDINGS.
- FOR PUBLIC PONDS SUBSTITUTE CHEMICAL BROWNWEED AT 15 LBS./ACRE AND KENTUCKY 3 TALL FESCUE AT 10 LBS./ACRE AS THE SEEDING REQUIREMENT. OPTIMUM SEEDING DATE FOR THIS MIXTURE IS MARCH 1 TO APRIL 30.
- REFER TO THE 1998 MARYLAND STANDARDS AND SPECIFICATION FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.

TEMPORARY SEEDING NOTES

- APPLY TO GRADED OR CLEARED AREAS LIKELY TO BE REDEVELOPED WHERE A SHORT-TERM VEGETATIVE COVER IS NEEDED.
- SEEDING PREPARATION:**
- LOOSEN UPPER THREE INCHES OF SOIL BY GRADING, DISKING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING, IF NOT PREVIOUSLY LOOSENED.
- SOIL AMENDMENTS:**
- APPLY 600 LBS. PER ACRE 10-10-10 FERTILIZER (14 LBS./1,000 SQ FT).
- SEEDING:**
- FOR THE PERIODS MARCH 1 THROUGH APRIL 30, AND AUGUST 1 THROUGH OCTOBER 15, SEED WITH 1 BUSHEL PER ACRE OF ANNUAL RYE (32 LBS./ACRE) OF WEEDING LOVERGRASS (107 LBS./1,000 SQ FT. FOR THE PERIOD NOVEMBER 15 THROUGH FEBRUARY 29, PROJECT SITE BY APPLYING 2 TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING, OR USE 500.
- MULCHING:**
- APPLY 1 TO 2 TONS PER ACRE (10 TO 90 LBS./1,000 SQ FT) OF UNROTTED SMALL GRASS STRAW IMMEDIATELY AFTER SEEDING. ANCHORING TOOL OR 220 GALLONS PER ACRE (5 GALLONS/1,000 SQ FT) OF ENHANCED ASPHALT ON FLAT AREAS, ON SLOPES 6 FEET OR STEEPER USE 340 GALLONS PER ACRE (34 GALLONS/1,000 SQ FT) FOR ANCHORING.

SEQUENCE OF CONSTRUCTION

- OBTAIN GRADING PERMIT (30 DAYS).
- EXPOSE EXISTING SEDIMENT AND EROSION CONTROL DEVICES AS INDICATED. PLAN AND INSTALL NEW E/S CONTROL DEVICES. INSTALL TEMPORARY SEEDING.
- MASS GRADE TO LIMITS OF DISTURBANCE. (30 DAYS).
- CONSTRUCT BUILDINGS TO BEARD.
- FINISH GRADE AND INSTALL PERMANENT SEEDING AND LANDSCAPING. (30 DAYS).
- REMOVE A/S CONTROL DEVICES AS UPLAND AREAS ARE STABILIZED AND PERMISSION IS GRANTED BY E/S CONTROL INSPECTOR. (4 DAYS).



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 of Engineer: *Barl D. Collins* Date: 4-18-01

DEVELOPER'S CERTIFICATE

"I/We certify that all development and construction will be done according to this plan for sediment and erosion control 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."

Signature of Developer: *Michael Shearer* Date: 4/18/01

Reviewed for HOWARD SCD and meets Technical Requirements.

Signature: *Jim Myers* Date: 5/16/01

Signature: *John K. Rowland* Date: 5/16/01

OWNER/DEVELOPER WAVERLY WOODS DEVELOPMENT CORP. C/O LAND DESIGN AND DEVELOPMENT CORP. 8000 MAIN STREET, ELLICOTT CITY, MD 21043

BUILDER/CONTRACT PURCHASER RYAN HOMES 11460 CRONKRIE DRIVE SUITE 128 OWINGS MILL, MD 21117

APPROVED: DEPARTMENT OF PLANNING AND ZONING

Signature: *Cinda Hamilton* Date: 5/23/01

Signature: *Michael Shearer* Date: 5/14/01

Signature: *John K. Rowland* Date: 5/23/01

SUBDIVISION NAME: GTW'S WAVERLY WOODS SECTION 12

SECTION/AREA: SECTION 12

LOT NO.: 38-47 & 49-77

PLAT: 14189-1977

BLOCK NO.: 5

ZONE: RSA-8

TAX/ZONE: 16

ELEC. DIST.: THIRD

CENSUS TR.: 6030

WATER CODE: H-03

SEWER CODE: 5993000

SEDIMENT EROSION CONTROL PLAN

GTW'S WAVERLY WOODS SECTION 12 LOTS 38 THRU 47 AND 49 THRU 77

(A SUBDIVISION OF PART OF THE PROPERTY OF GTW JOINT VENTURE, LIBER 2222, FOLIO 36)

ZONED: R-SA-8

TAX MAP NO: 16 PART OF PARCEL: 20

THIRD ELECTION DISTRICT, HOWARD COUNTY, MARYLAND

SCALE: NO SCALE DATE: SEPTEMBER, 2000

SHEET 3 OF 3