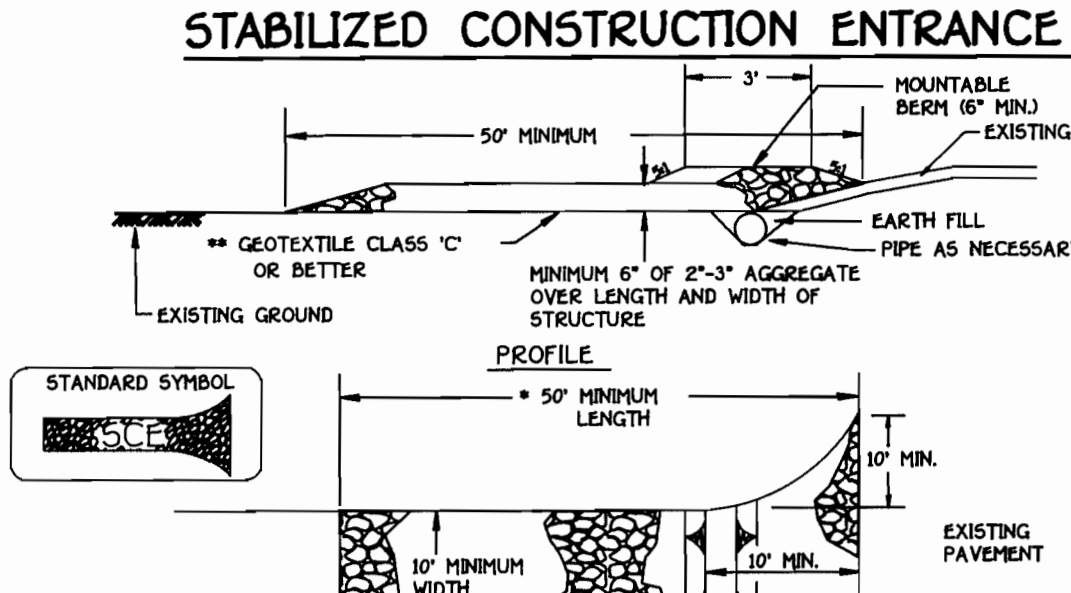
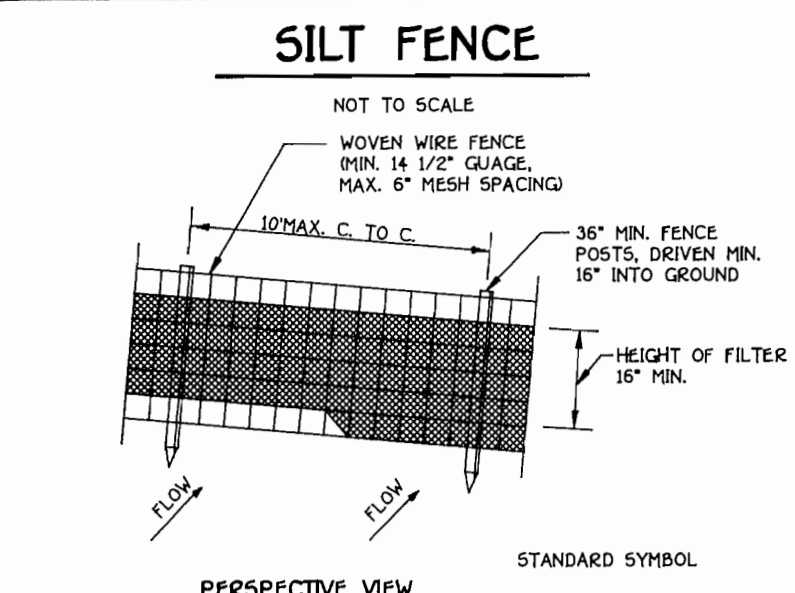
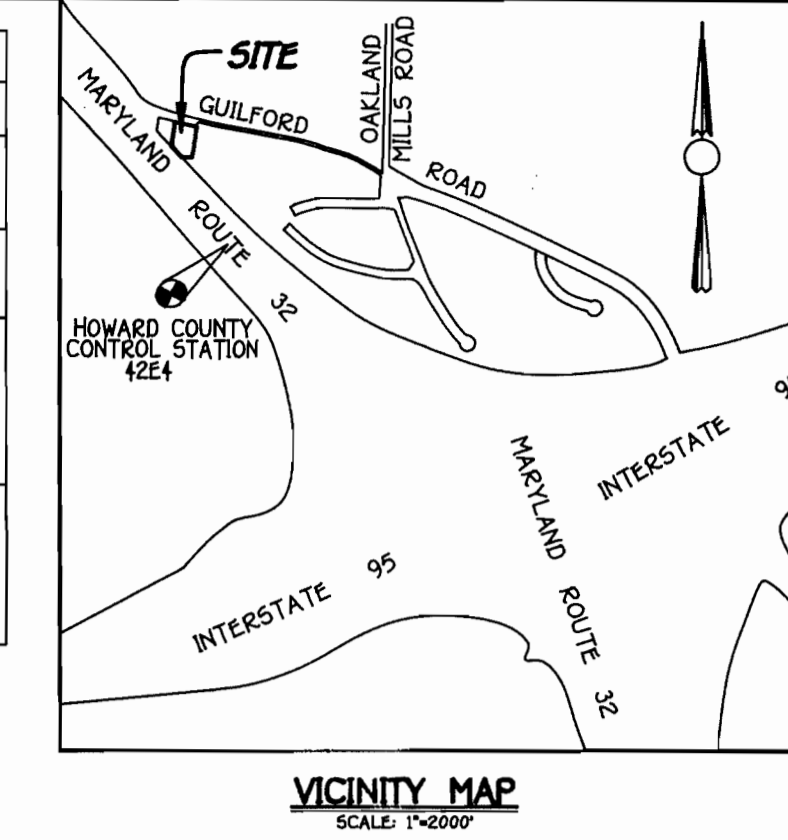


NOTE: THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 12-102 OF THE HOWARD COUNTY CODE AND LANDSCAPE MANUAL. FINANCIAL SURETY FOR THE REQUIRED LANDSCAPE WILL BE POSTED AS PART OF THE GRADING PERMIT IN THE AMOUNT OF \$ 600.

SHEET INDEX	
Sheet No.	Description
1	Plan View - Notes and Details

LEGEND	
Symbol	Description
- - - -	Existing Contour 2' Interval
- . - . -	Existing Contour 10' Interval
- - - -	Proposed Contour 2' Interval
- . - . -	Proposed Contour 10' Interval
+ 62.4	Spot Elevation
-S-F-	Slift Fence
FF	First Floor Elevation
BE	Basement Elevation
(C)	Proposed Walkout
-X-X-	Tree Protection
(L.O.D.)	Limit of Disturbance
(S)	Existing Street Tree

SCHEDULE A PERIMETER LANDSCAPE EDGE	
LANDSCAPE TYPE	B
LINEAR FEET OF ROADWAY	60'
CREDIT FOR EX. VEGETATION, WALL OR FENCE	NO
NUMBER OF PLANTS REQUIRED	
SHADE TREES	1:50
EVERGREEN TREES	1:40
NUMBER OF PLANTS PROVIDED	
SHADE TREES	1
EVERGREEN TREES	2



STANDARDS AND SPECIFICATIONS FOR VEGETATIVE STABILIZATION

Using vegetation as cover for barren soil to protect it from forces that cause erosion. Vegetative stabilization methods are used to promote the 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 wildlife habitat and visual resources.

DEFINITIONS:
VEGETATIVE STABILIZATION: The application of vegetation to exposed soil to prevent erosion and improve soil quality and quantity.
VEGETATIVE STABILIZATION MATERIALS: Materials used to stabilize soil, including straw, mulch, and geotextiles.
VEGETATIVE STABILIZATION METHODS: Techniques used to apply materials, such as spreading, mulching, and seeding.

SECTION 1 - VEGETATIVE STABILIZATION METHODS AND MATERIALS

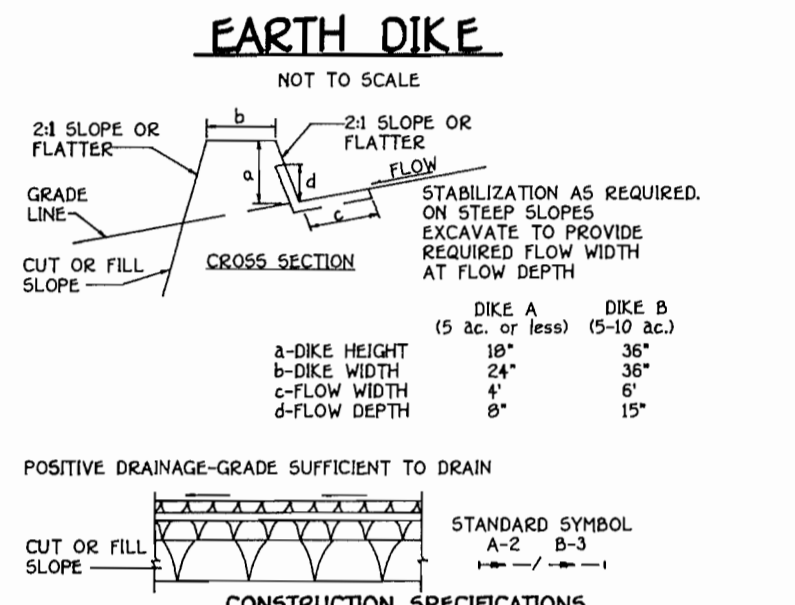
- Site Preparation
- Soil Amendment
- Seeding Preparation
- Seeding
- Mulching
- Stabilization

CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

- WOVEN WIRE FENCE TO BE FASTENED TO POSTS. EITHER T OR U TYPE OR 2" HARDWOOD FENCE, WOVEN WIRE, 14 GA. 6" X 6" MESH SPACING.
- 2" FILTER CLOTH TO BE FASTENED TO POSTS. EITHER T OR U TYPE OR 2" HARDWOOD FENCE, WOVEN WIRE, 14 GA. 6" X 6" MESH SPACING.
- EACH TWO SECTIONS OF FILTER CLOTH ADD EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.
- MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

CONSTRUCTION SPECIFICATIONS

- ALL DICES SHALL BE CONTACTED BY EARTH-MOVING EQUIPMENT.
- ALL DICES SHALL HAVE POSITIVE DRAINAGE TO AN OUTLET.
- TOP WIDTH MAY BE WIDER AND SLOPE MAY BE FLATTER IF DESIRED TO FACILITATE CROSSING BY CONSTRUCTION TRAFFIC.
- FIELD LOCATION SHOULD BE ADJUSTED AS NEEDED TO UTILIZE A STABILIZED SAFE OUTLET.
- STABILIZED AREAS SHALL HAVE AN OUTLET THAT FUNCTIONS WITH A MINIMUM OF EROSION. RUNOFF SHALL BE CONVEYED TO A SEDIMENT BASIN WHERE EITHER THE DRAINAGE CHANNEL OR THE DRAINAGE AREA ABOVE THE DIKE ARE NOT ADEQUATELY STABILIZED.
- STABILIZATION SHALL BE AS ACCORDING TO THE STANDARD SPECIFICATIONS FOR SEED AND STRAW MULCH OR STRAW MULCH IF NOT IN SEEDING SEASON. (SEE FLOW CHANNEL AS PER THE CHART BELOW.)



SEDIMENT CONTROL NOTES

- A MINIMUM OF 48 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY DEPARTMENT OF INSPECTION, LICENSING AND PERMITS, SEDIMENT CONTROL DIVISION PRIOR TO THE START OF ANY CONSTRUCTION (13-1055).
- ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE HOWARD COUNTY 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 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
- ALL SEDIMENT TRAPS/BASINS SHOWN MUST BE FINISHED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. 14, 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 SEEDING (SEC. 50), TEMPORARY SEEDING (SEC. 50), AND MULCHING (SEC. 52). TEMPORARY STABILIZATION WITH MULCH ALONE CAN BE DONE WHEN RECONSTRUCTION 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 PERSSION FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- SITE ANALYSIS:
 - TOTAL AREA OF SITE: 0.22 ACRES
 - AREA TO BE ROOFED OR PAVED: 0.11 ACRES
 - AREA TO BE VEGETATIVELY STABILIZED: 0.11 ACRES
 - TOTAL CUT: 100 CUBIC YDS.
 - OFFSITE WASTE/BORROW AREA LOCATION: 100 CUBIC 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 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, THE HOWARD COUNTY INSPECTION AGENCY SHALL BE REQUESTED PRIOR TO COMPLETION OF INSTALLATION OF PERIMETER EROSION AND SEDIMENT CONTROL STRUCTURES. THE INSPECTION AGENCY SHALL VERIFY THE 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 THIRTY FEET SHALL BE BACK-FILLED AND STABILIZED WITHIN ONE WORKING DAY, WHICHEVER IS SHORTER.

SEEDING NOTES

ALL DISTURBED AREAS SHALL BE STABILIZED AS FOLLOWS:

SEEDING PREPARATION:
LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING.

SOIL AMENDMENTS:
APPLY TWO TONS PER ACRE DOLICHITE LIMESTONE (82 LBS./1,000 SQ.FT.) AND 600 LBS. PER ACRE 10-20-20 FERTILIZER (14 LBS./1,000 SQ.FT.) BEFORE SEEDING HARROW OR DISC INTO UPPER THREE INCHES OF SOIL. AT TIME OF SEEDING, APPLY 400 LBS. PER ACRE 38-0-0 UREAFORM FERTILIZER (9 LBS./1,000 SQ.FT.) AND 500 LBS. PER ACRE (15 LBS./1,000 SQ.FT.) OF 10-20-20 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 31 TALL FESCUE, FOR THE PERIOD MAY 1 THROUGH JULY 31, SEED WITH 60 LBS./ACRE (1.4 LBS./1,000 SQ.FT.) KENTUCKY 31 TALL FESCUE AND 2 LBS. PER ACRE (0.05 LBS./1,000 SQ.FT.) OF WEEDING LOVEGRASS. DURING THE PERIOD OF OCTOBER 15 THROUGH FEBRUARY 28, PROJECT SITE BY OPTION (2) - TWO TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING; OPTION (3) - USE 500 OZ. OPTION (3) SEED WITH 100 LBS./ACRE KENTUCKY 31 TALL FESCUE AND MULCH WITH TWO TONS/ACRE WELL ANCHORED STRAW. ALL SLOPES SHOULD BE HYDROSEEDED.

MULCHING:
APPLY TO 2 TONS PER ACRE (10 TO 90 LBS./1,000 SQ.FT.) OF UNROOTED SMALL GRASS STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING 200 GALLONS PER ACRE (2 GAL./1,000 SQ.FT.) OF UNROOTED ASPHALT ON FLAT ACES. ON SLOPES 6 FEET OR MORE USE 340 GALLONS PER ACRE (3.4 GAL./1,000 SQ.FT.) FOR ANCHORING.

MAINTENANCE:
INSPECT ALL SEEDING AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND SUBSTITUTIONS.

*FOR PUBLIC PONDS SUBSTITUTE CHEMICAL CROWNFETCH AT 15 LBS./ACRE AND KENTUCKY 31 TALL FESCUE AT 40 LBS./ACRE AS THE SEEDING REQUIREMENT. OPTIMUM SEEDING DATE FOR THIS MIXTURE IS MARCH 1 TO APRIL 30.

SEEDING NOTES

ALL DISTURBED AREAS SHALL BE STABILIZED AS FOLLOWS:

SEEDING 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./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 LOVEGRASS (07 LBS./1,000 SQ.FT.) AT TIME OF SEEDING. DURING THE PERIOD OF 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 SOIL.

MULCHING:
APPLY TO 2 TONS PER ACRE (10 TO 90 LBS./1,000 SQ.FT.) OF UNROOTED SMALL GRASS STRAW IMMEDIATELY AFTER SEEDING. ANCHORING TULIP OR 210 GALLONS PER ACRE (2.1 GAL./1,000 SQ.FT.) OF UNROOTED ASPHALT ON FLAT ACES ON SLOPES 6 FEET OR MORE, USE 340 GALLONS PER ACRE (3.4 GAL./1,000 SQ.FT.) FOR ANCHORING.

REFER TO THE 1998 MARYLAND STANDARDS AND SPECIFICATION FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.

PERMANENT SEEDING NOTES

ALL DISTURBED AREAS SHALL BE STABILIZED AS FOLLOWS:

SEEDING PREPARATION:
LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING.

SOIL AMENDMENTS:
APPLY TWO TONS PER ACRE DOLICHITE LIMESTONE (82 LBS./1,000 SQ.FT.) AND 600 LBS. PER ACRE 10-20-20 FERTILIZER (14 LBS./1,000 SQ.FT.) BEFORE SEEDING HARROW OR DISC INTO UPPER THREE INCHES OF SOIL. AT TIME OF SEEDING, APPLY 400 LBS. PER ACRE 38-0-0 UREAFORM FERTILIZER (9 LBS./1,000 SQ.FT.) AND 500 LBS. PER ACRE (15 LBS./1,000 SQ.FT.) OF 10-20-20 FERTILIZER.

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TEMPORARY SEEDING NOTES

ALL DISTURBED AREAS SHALL BE STABILIZED AS FOLLOWS:

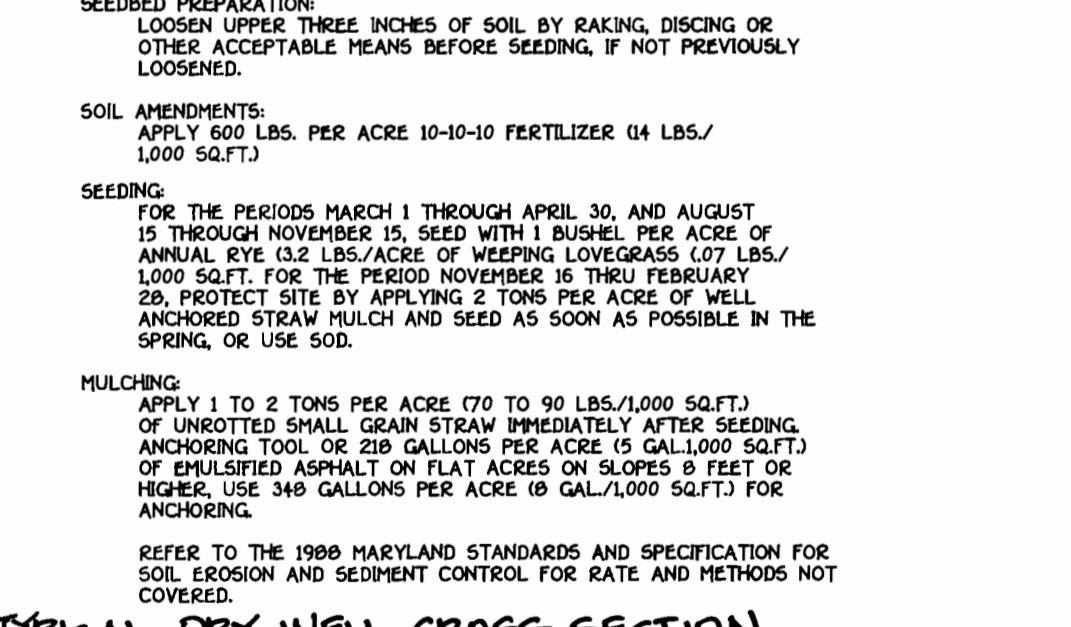
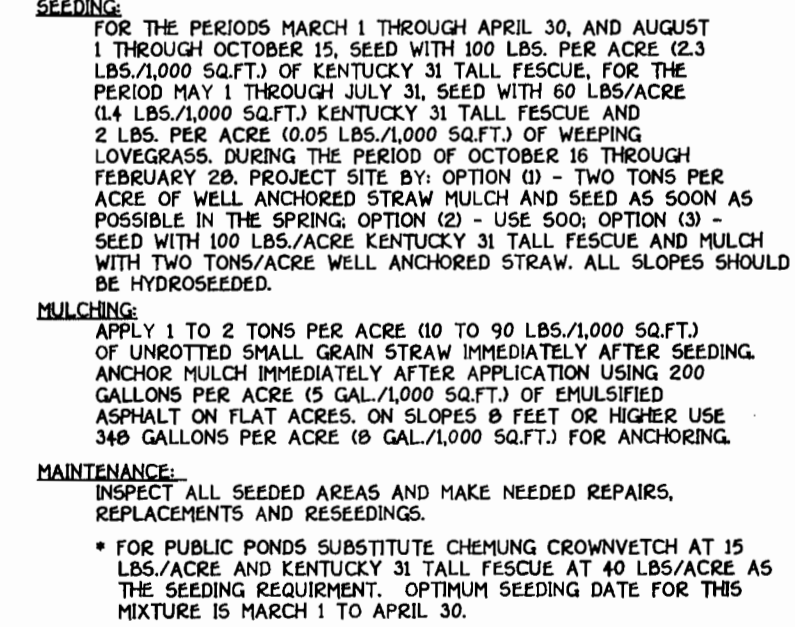
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REFER TO THE 1998 MARYLAND STANDARDS AND SPECIFICATION FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.



FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTRAL SQUARE OFFICE PARK - 10772 BALTIMORE NATIONAL PkE
ELLICOTT CITY, MARYLAND 21114
(410) 481-2855

1. 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 (Print name below signature) *Richard DiPietro* Date *7/20/99*

DEVELOPER'S CERTIFICATE

I/We certify that all development and construction will be done according to this plan, and that all 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 Owner (Print name below signature) *Richard DiPietro* Date *7/20/99*

TABLE 2 ACCEPTABLE BUILDING COMPONENT CONSTRUCTION FEATURES MEETING STC MIN. PER TABLE 1

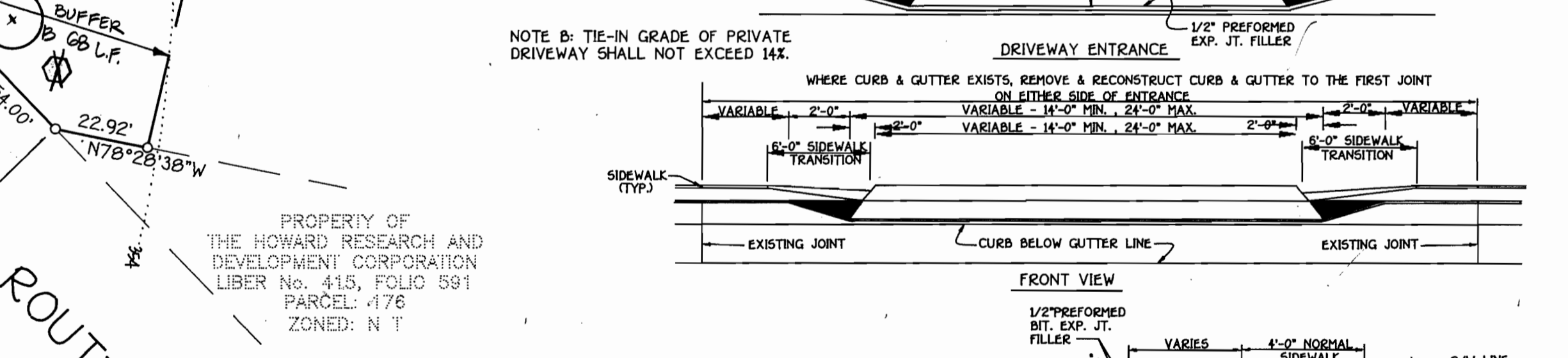
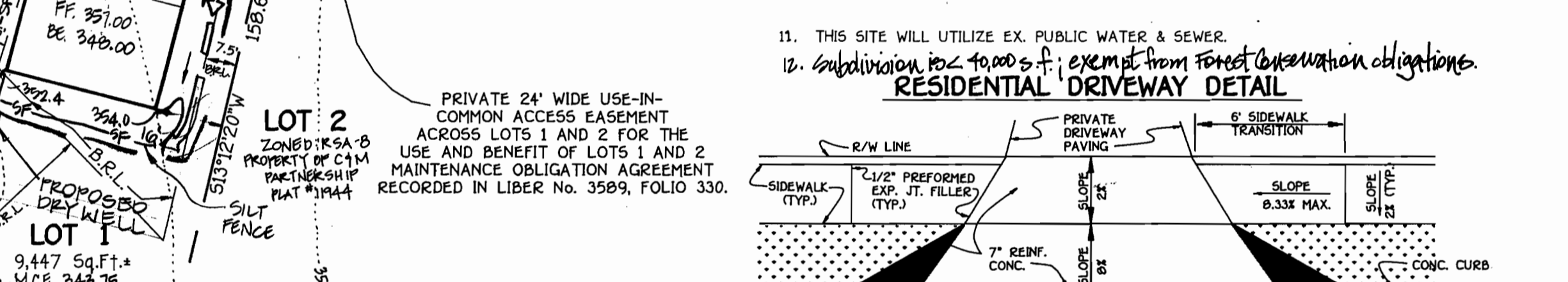
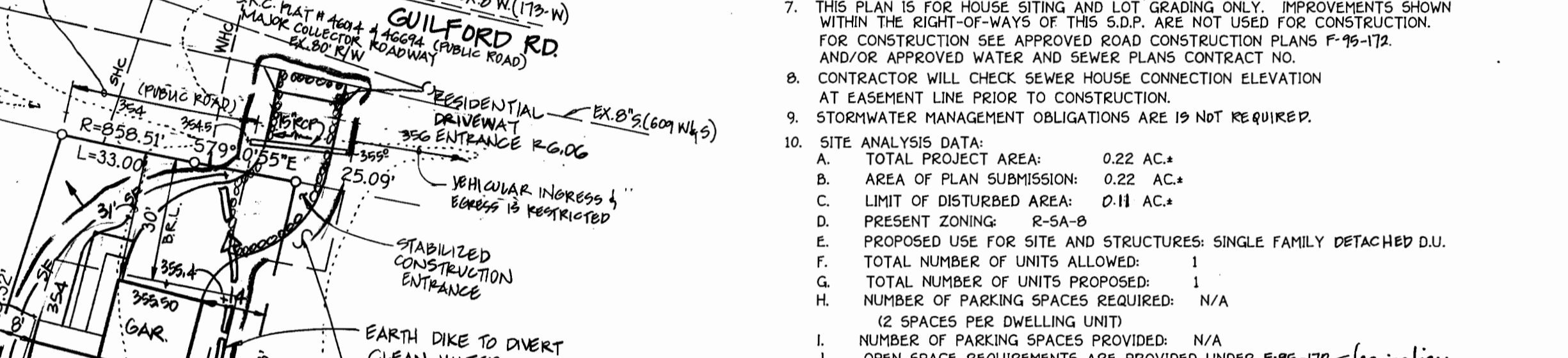
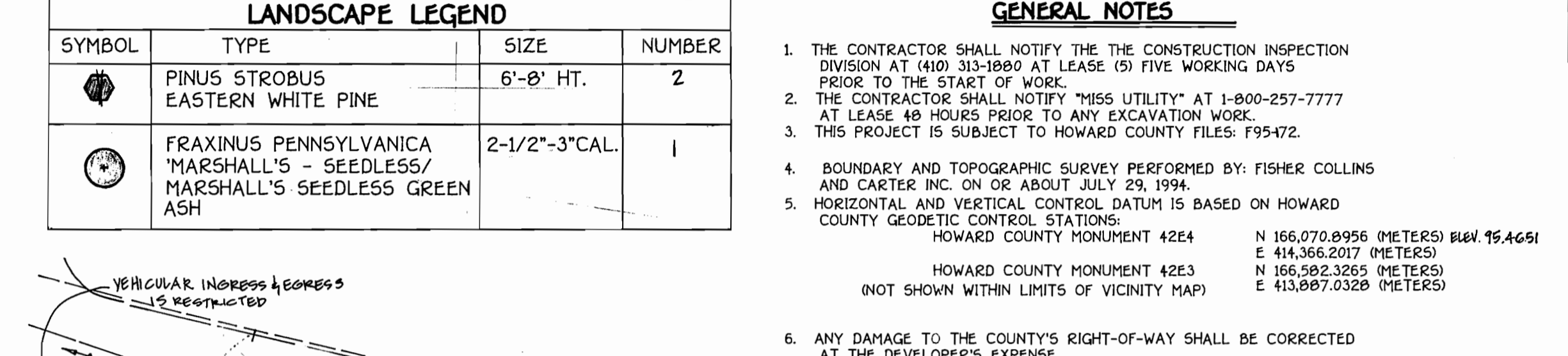
EXTERIOR WALLS:	SIDING + 1/2" INSULATION BOARD SHEATHING + 2x4 STUDS 16" O.C. + FIBERGLASS BUILDING INSULATION + 1/2" GYPSUM BOARD ATTACHED DIRECTLY TO STUDS.	SIZE	NUMBER
WINDOWS:	ALUMINUM WITH 7/16" INSULATING GLASS.		
DOORS:	SLIDING GLASS DOORS WITH 7/16" INSULATING GLASS.		

LANDSCAPE LEGEND

SYMBOL	TYPE	SIZE	NUMBER
(S)	PINUS STROBUS EASTERN WHITE PINE	6'-8" HT.	2
(S)	FRAXINUS PENNSYLVANICA 'MARSHALL'S' SEEDLESS/MARSHALL'S SEEDLESS GREEN ASH	2'-1/2" - 3" CAL.	1

NOTE: THESE LOTS ARE IN A NOISE SENSITIVE AREA AND A PROLONGED OUTDOOR EXPOSURE MAY RESULT IN HEARING IMPAIRMENT.

2. ALL DWELLINGS MUST MEET THE CONSTRUCTION SPECIFICATIONS IN TABLES 1 AND 2 SHOWN HEREON.



SITE DEVELOPMENT PLAN

PROPERTY OF C & M PARTNERSHIP LOT 1

PLAT	BLOCK NO.	ZONE	TAX	ELEC. DIST.	CENSUS TR.
11944	1G	RSA-B	42	6TH	6067.03

WATER CODE: E14 SEWER CODE: 52004.00

ZONING R-5A-8 TAX MAP No. 42 PARCEL No. 389

SIXTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

DATE: JULY, 1999