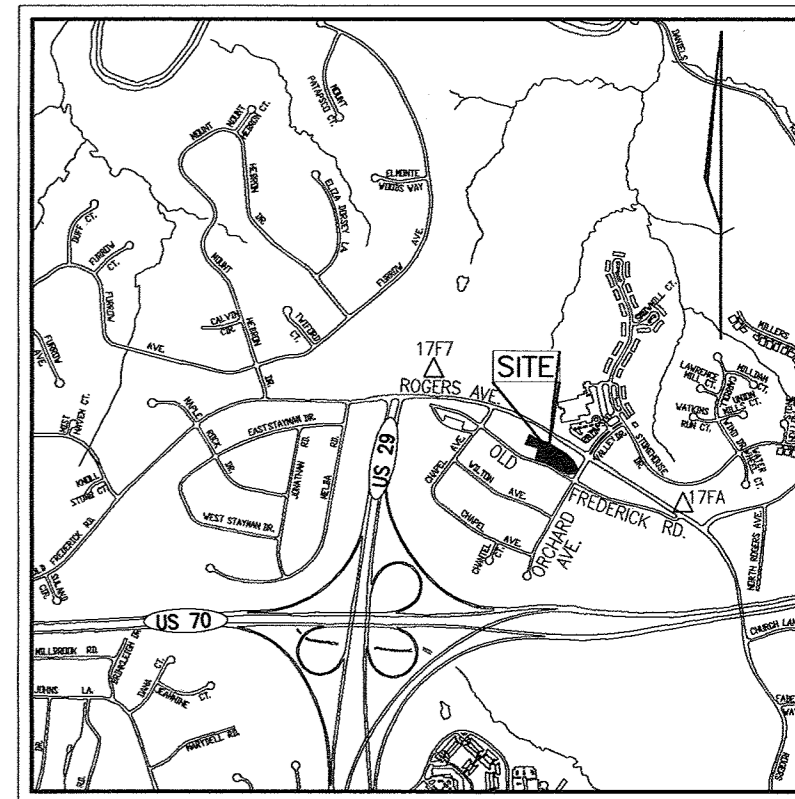


GENERAL NOTES

- 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 "MISS UTILITY" AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK.
- THE CONTRACTOR IS TO NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE DAYS BEFORE STARTING WORK ON THESE DRAWINGS:
 MISS UTILITY 1-800-257-7777
 BELL ATLANTIC TELEPHONE CO. 725-9976
 HOWARD COUNTY BUREAU OF UTILITIES: 513-2366
 AT&T CABLE LOCATION DIVISION: 393-3553
 B.G.&E. CO. CONTRACTOR SERVICES: 850-4620
 B.G.&E. CO. UNDERGROUND DAMAGE CONTROL: 787-4620
 STATE HIGHWAY ADMINISTRATION: 531-5533
- SITE ANALYSIS:
 TOTAL AREA OF SITE: 63,654 SF (1.46 AC)
 AREA OF PLAN SUBMISSION: 63,654 SF (1.46 AC)
 TOTAL NUMBER OF BUILDABLE LOTS: 2
 TOTAL NUMBER OF OPEN SPACE LOTS: 0
 PRESENT ZONING: R-20
 LIMIT OF DISTURBANCE: 40,357 SF (0.93 AC)
 PROPOSED USE OF SITE: SINGLE FAMILY DETACHED DWELLING
 TOTAL UNITS ALLOWED: 2
 TOTAL UNITS PROPOSED: 2
- PROJECT BACKGROUND:
 LOCATION: TAX MAP: 17 PARCEL: 643
 ZONING: R-20
 FARMVIEW-LOTS 1, 2 & 3
 DEED REFERENCE: LIBER 9615 FOLIO 114
 DPZ REFERENCES: 3588, F-76-067
- THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS/BUREAU OF ENGINEERING/CONSTRUCTION INSPECTION DIVISION AT (410) 313-1880 AT LEAST FIVE (5) WORKING DAYS PRIOR TO START OF WORK.
- ANY DAMAGE TO PUBLIC RIGHTS-OF-WAY, PAVING, OR EXISTING UTILITIES WILL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.
- EXISTING UTILITIES LOCATED FROM ROAD CONSTRUCTION PLANS AND AVAILABLE RECORD DRAWINGS. APPROXIMATE LOCATION OF EXISTING UTILITIES ARE SHOWN FOR THE CONTRACTOR'S INFORMATION. CONTRACTOR SHALL LOCATE EXISTING UTILITIES WELL IN ADVANCE OF CONSTRUCTION ACTIVITIES AND TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND TO MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE TO THE COUNTY'S RIGHT OF WAY INCURRED DUE TO CONTRACTOR'S OPERATION SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.
- 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.
- SOIL COMPACTION SPECIFICATIONS, REQUIREMENTS, METHODS AND MATERIALS ARE TO BE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE PROJECT GEOTECHNICAL ENGINEER. GEOTECHNICAL ENGINEER TO CONFIRM ACCEPTABILITY OF PROPOSED PAVING SECTION, BASED ON SOILS TEST.
- COORDINATES AND ELEVATIONS ARE BASED ON HOWARD COUNTY MONUMENT NO'S. 177F AND 17FA.
- THE PROPERTY BOUNDARY IS BASED A FIELD RUN BOUNDARY SURVEY BY ROBERT H. VOGEL ENGINEERING, INC., ON OR ABOUT FEBRUARY 2005. THE EXISTING FEATURES AND TOPOGRAPHY SHOWN HEREON ARE BASED ON AN AERIAL PHOTOGRAMETRIC SURVEY PREPARED BY POTOMAC AERIAL SURVEYS, INC., ON OR ABOUT FEBRUARY 2001.
- ACCESS TO WATER HAS BEEN PROVIDED UNDER CONTRACT NO. 70-W. ACCESS TO SEWER HAS BEEN PROVIDED UNDER CONTRACT NO. 184-S.
- THERE ARE NO STEEP SLOPES LOCATED ON THIS PROPERTY.
- NO BURIAL GROUNDS OR CEMETERIES ARE LOCATED ON THIS PROPERTY.
- IN ACCORDANCE WITH SECTION 128 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.
- DRIVEWAYS SHALL BE PROVIDED PRIOR TO RESIDENTIAL OCCUPANCY TO INSURE SAFE ACCESS FOR FIRE AND EMERGENCY VEHICLES PER THE FOLLOWING MINIMUM REQUIREMENTS:
 A) WIDTH - 12 FEET (14 FEET IF SERVING MORE THAN ONE RESIDENCE)
 B) SURFACE - 6 INCHES OF COMPACTED CRUSHER RUN BASE WITH TAR AND CHIP COATING
 C) GEOMETRY - MAXIMUM 14% GRADE, MAXIMUM 10% GRADE CHANGE, AND MINIMUM 45 FOOT TURNING RADIUS
 D) STRUCTURES (CULVERTS/BRIDGES) - MUST SUPPORT 25 GROSS TON FLOORING (H25 LOADING)
 E) DRAINAGE ELEMENTS - CAPABLE OF SAFELY PASSING 100 YEAR FLOOD EVENTS WITH NO MORE THAN 1 FOOT DEPTH OVER DRIVEWAY SURFACE
 F) STRUCTURE CLEARANCES - MINIMUM 12 FEET
 G) MAINTENANCE - SUFFICIENT TO INSURE ALL WEATHER USE
- NO STREAMS OR WETLANDS EXIST ON SITE.
- NO 100 YEAR FLOODPLAINS EXISTS ON SITE.
- THIS SITE PLAN CONFORMS TO THE 5TH EDITION OF THE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS.
- SHC ELEVATIONS SHOWN ARE LOCATED AT THE PROPERTY LINE.
- FOR DRIVEWAY ENTRANCE DETAILS REFER TO THE HOWARD COUNTY DESIGN MANUAL, VOLUME IV, STANDARD DETAIL R-6.06 (OPEN SECTION).
- STORMWATER MANAGEMENT FOR THIS PROJECT IS PROVIDED BY GRASS CHANNELS, RAINGARDENS (N-T) AND DRAINWELLS (M-S) TO PROVIDE THE REQUIRED WQV AND RET. C₁₀ IS NOT REQUIRED SINCE THE 1-YR RUNOFF IS LESS THAN 2 CFS.
- PERMETER LANDSCAPING IN ACCORDANCE WITH SECTION 16.124 OF THE HOWARD COUNTY CODE AND LANDSCAPE MANUAL. SURETY IN THE AMOUNT OF \$6,900.00 FOR THE 17 SHADE TREES AND 12 EVERGREEN TREES SHALL BE POSTED AT GRADING PERMIT FOR LOTS 1 AND 3.
- SUBJECT PROPERTY ZONED R-20 PER 2/02/04 COMPREHENSIVE ZONING PLAN.
- WATER AND SEWER SERVICE TO THESE LOTS WILL BE GRANTED UNDER THE PROVISIONS OF SECTION 18.122.B OF THE HOWARD COUNTY CODE.
- DIRECT ROOF LEADERS AND SWALES TO RAIN GARDENS.
- THIS PROJECT IS EXEMPT FROM THE REQUIREMENTS FOR FOREST CONSERVATION AND FOREST STAND DELINEATION, BECAUSE TWO SEPARATE NON-CONTIGUOUS LOTS ARE PROPOSED, AND EACH LOT PRODUCES DISTURBANCE OF LESS THAN 40,000 SQUARE FEET.
- ALL EXISTING STRUCTURES ON LOTS 1 AND 3 ARE TO BE REMOVED.
- PROPOSED 8" SEWER EXTENSION TO FRONTAGE OF LOT 3 WILL BE ACCOMPLISHED BY ADD.
- ALL DRIVEWAYS ARE PER HOWARD COUNTY DETAIL R-6.03.

FARMVIEW-LOTS 1 AND 3

SITE DEVELOPMENT PLAN



VICINITY MAP
SCALE 1"=2000'

BENCHMARKS			
NO.	NORTHING	EASTING	ELEVATION
17F7	595,829.624	1,363,088.37	469.466'
17FA	594,948.366	1,364,626.79	476.789'

SEDIMENT CONTROL NOTES

- A minimum of 48 hours notice must be given to the Howard County Department of Inspection, License and Permits Sediment Control Division prior to the start of any construction (313-1855).
 - All vegetation 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, 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 7, HOWARD COUNTY DESIGN MANUAL, Storm Drainage.
 - All disturbed areas must be stabilized within the time period specified above in accordance with the 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for permanent seeding, sod, temporary seeding, and mulching (Sec. C). Temporary stabilization with mulch alone 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 63,654 SF
 Total Area 63,654 SF
 Area Disturbed 40,357 SF
 Area to be roofed or paved 10,208 SF
 Area to be vegetatively stabilized 30,149 SF
 Total Cut 0 CY
 Total Fill 0 CY
 Offsite waste/borrow area location *
 - 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, approval of the inspection agency shall be requested upon completion of installation of perimeter erosion and sediment controls, but before proceeding with any other earth disturbance or grading. Other building or grading inspection approvals may not be authorized until this initial approval by the inspection agency is made.
 - Trenches for the construction of utilities is limited to three pipe lengths or that which shall be back-filled and stabilized within one working day, whichever is shorter.
 - Estimates of earthwork quantities are provided solely for the purpose of calculating fees.
- * To be determined by contractor, with pre-approval of the Sediment Control Inspector with an approved and active grading permit

21.0 STANDARDS AND SPECIFICATIONS FOR TOPSOIL

- DEFINITION**
Placement of topsoil over a prepared subsoil prior to establishment of permanent vegetation.
- PURPOSE**
To provide a suitable soil medium for vegetable growth. Soils of concern have low moisture content, low nutrient levels, low pH, materials toxic to plants, and/or unacceptable soil gradation.
- CONDITIONS WHERE PRACTICE APPLIES**
I. This practice is limited to areas having 2:1 or flatter slopes where:
 a. The texture of the exposed subsoil/parent material is not adequate to produce vegetative growth.
 b. The soil material is so shallow that the rooting zone is not deep enough to support plants or furnish continuing supplies of moisture and plant nutrients.
 c. The original soil to be vegetated contains material toxic to plant growth.
 d. The soil is so acidic that treatment with limestone is not feasible.
- II. For the purpose of these Standards and Specifications, areas having slopes steeper than 2:1 require special consideration and design for adequate stabilization. Areas having slopes steeper than 2:1 shall have the appropriate stabilization shown on the plans.
- CONSTRUCTION AND MATERIAL SPECIFICATIONS**
I. Topsoil salvaged from the existing site may be used provided that it meets the standards as 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 Experiment Station.
 II. Topsoil Specifications - Soil to be used as topsoil must meet the following:
 i. 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 a soil scientist and approved by the appropriate approval authority. Regardless, topsoil shall not be a mixture of contrasting textured subsoils and shall contain less than 5% by volume of cinders, stones, slag, coarse fragments, gravel, sticks, roots, trash, or other materials larger than 1 and 1/2" diameter.
 ii. Topsoil must be free of plants or plant parts such as Bermuda grass, quackgrass, Johnsongrass, nutsedge, poison ivy, thistle, or others as specified.
 iii. Where the subsoil is either highly acidic or composed of heavy clays, ground limestone shall be spread 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.
 IV. For sites having disturbed areas under 5 acres:
 i. Place topsoil (if required) and apply soil amendments as specified in 20.0 Vegetative Stabilization - Section I - Vegetative Stabilization Methods and Materials.

PERMANENT SEEDING NOTES

- APPLY TO GRADED OR CLEARED AREAS NOT SUBJECT TO IMMEDIATE FURTHER DISTURBANCE WHERE A PERMANENT LONG-LIVED VEGETATIVE COVER IS NEEDED.
- SEEDBED PREPARATION: Loosen upper three inches of soil by raking, 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:
 1) Preferred-Apply 2 tons per acre dolomitic limestone (92 lbs./1000 sq.ft.) 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 the time of seeding, apply 400 lbs. per acre 30-0-0 ureaform fertilizer (9 lbs./1000 sq.ft.)
 2) Acceptable-Apply 2 tons per acre dolomitic limestone (92 lbs./1000 sq.ft.) and apply 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 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 (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.

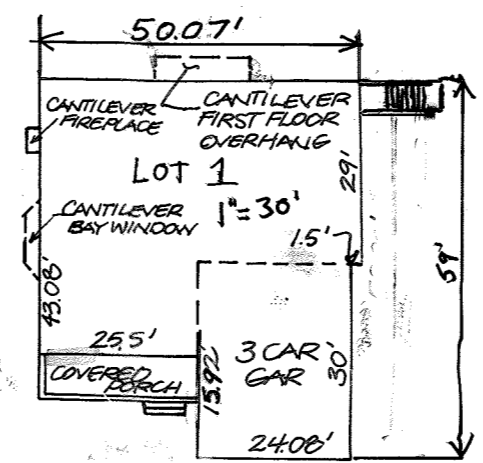
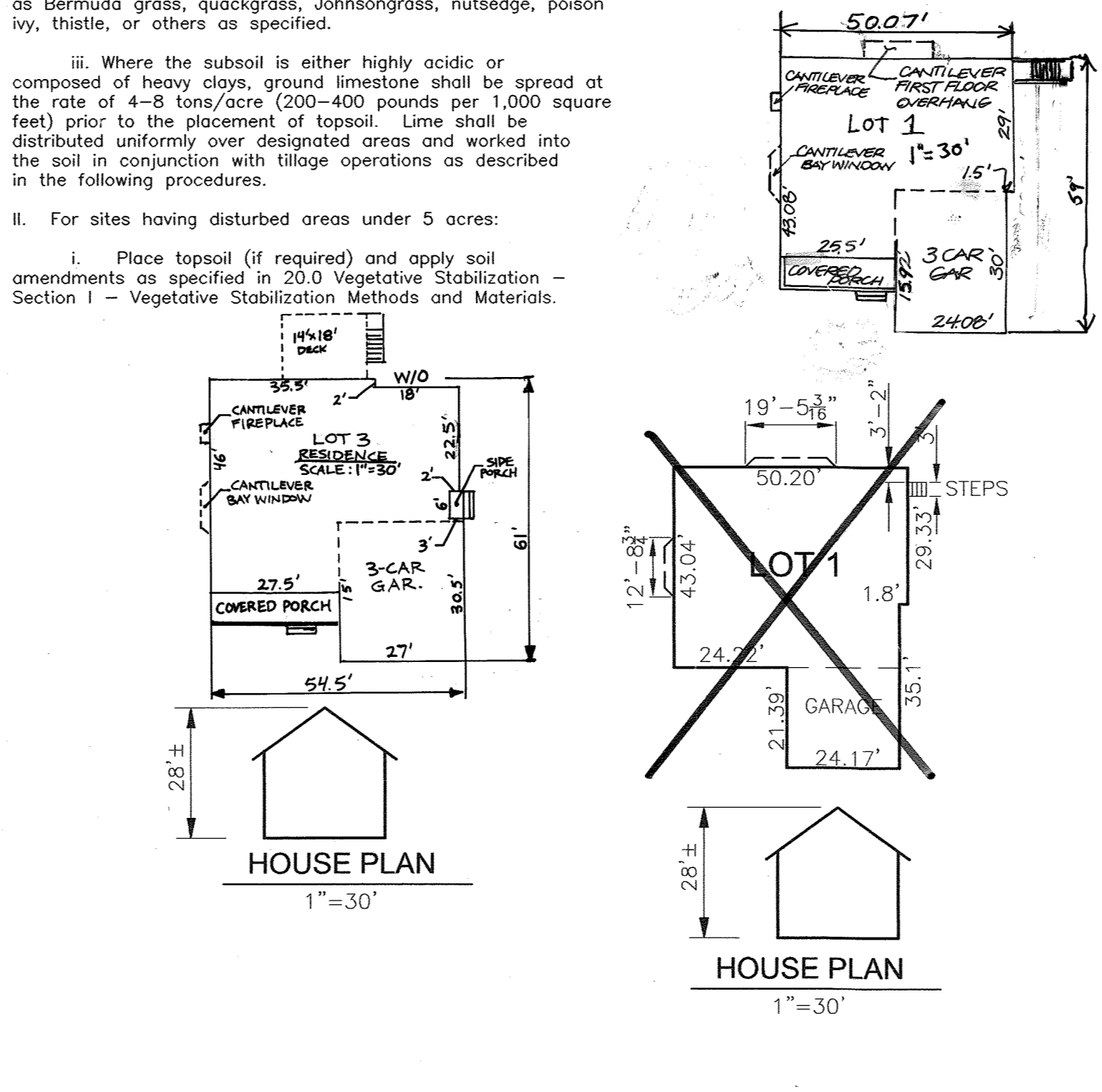
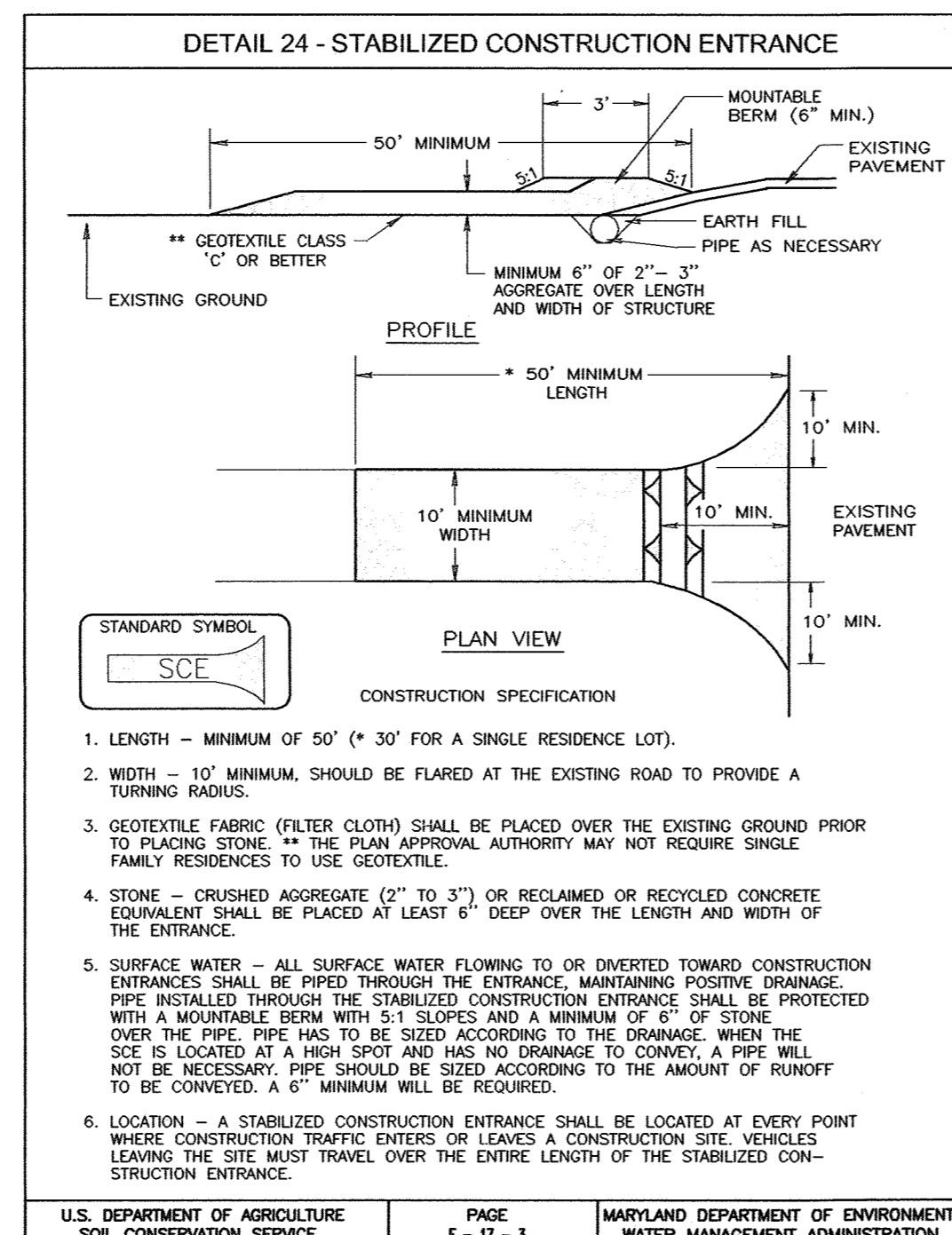
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- MAINTENANCE: Inspect all seeded areas and make needed repairs, replacements and reseedings.
- TEMPORARY SEEDING NOTES**
- SEEDBED PREPARATION: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding, if not previously loosened.
- SOIL AMENDMENTS: Apply 600 lbs. per acre 10-10-10 fertilizer (14 lbs./1000 sq.ft.).
- SEEDING: For periods March 1 thru April 30 and from August 15 thru November 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 1 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 (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.
- 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.
- Notify Howard County Bureau Of Inspections and Permits (410.313.1880) at least 24 hours before starting any work.
- Construct Stabilized Construction Entrances. (1 day)
- Install super silt fence and erosion control matting. (2 days)
- After obtaining permission from the sediment control inspector to proceed, rough grade site. (4 days)
- Construct house. The first floor elevation cannot be more than 1' higher or 0.2' lower than the elevations shown on this plan. The foundation footprint must be within the generic block. (3 months)
- Upon stabilization of all disturbed areas and with the approval of the sediment control inspector, remove all sediment control devices.

NOTES

- DURING GRADING AND AFTER EACH RAINFALL, THE CONTRACTOR SHALL INSPECT AND PROVIDE THE NECESSARY MAINTENANCE ON THE SEDIMENT AND EROSION CONTROL MEASURES SHOWN HEREON.
- FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTRIBUTURE PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLIED WITH.



PERMIT INFORMATION CHART

PROJECT NAME	SECTION/AREA	PARCEL NUMBER
FARMVIEW LOTS 1 AND 3	N/A	643
PLAT REF.	BLOCK NO.	ZONE
3588	12	R-20
TAX MAP	ELECT. DIST.	CENSUS TR.
17	2ND	602100
WATER CODE: H02	SEWER CODE: 1454850	

NO.	REVISION	DATE
3	REVISE THE HOUSE TYPE, GRADING, SWIM, & REMOVE NOISE WALL ON LOT 3	5-8-19
2	REVISE GENERAL NOTE 24-TD STATE THAT LANDSCAPE 10/13/15	
SURETY TO BE POSTED AT GRADING PERMIT		
1	REVISE HOUSE TYPE AND LOCATION LOT 1	7/6/15

COVER SHEET AND SITE DETAILS

FARMVIEW-LOTS 1 AND 3

SITE DEVELOPMENT PLAN

"SINGLE FAMILY DETACHED DWELLING"

TAX MAP 17 GRID 12 PARCEL 643
2ND ELECTION DISTRICT HOWARD COUNTY, MARYLAND

ROBERT H. VOGEL ENGINEERING, INC.

ENGINEERS • SURVEYORS • PLANNERS

8407 MAIN STREET TEL: 410.461.7666
ELICOTT CITY, MD 21043 FAX: 410.461.8961

DESIGN BY: RHV
 DRAWN BY: JAJ
 CHECKED BY: RHV
 DATE: NOVEMBER 2006
 SCALE: AS SHOWN
 W.O. NO.: 05-92.00

DPZ FILES: 1 SHEET OF 2

ADDRESS CHART

LOT #	STREET ADDRESS
1	8910 OLD FREDERICK ROAD
3	8900 OLD FREDERICK ROAD

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE: 2/15/08

CHIEF, DIVISION OF LAND DEVELOPMENT DATE: 3/3/08

DIRECTOR DATE: 3/3/08

REVIEWED FOR HOWARD SCD AND MEETS TECHNICAL REQUIREMENTS

JIM MEYERS 10-11-07

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

JOHN R. ROBERTSON 10-11-07

HORD SCD DATE

ENGINEERS CERTIFICATE

I, JIM MEYERS, REGISTERED PROFESSIONAL ENGINEER, NO. 102157, CERTIFY THAT THIS PLAN FOR SEDIMENT AND EROSION 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 COUNTY SOIL CONSERVATION DISTRICT.

SIGNATURE OF ENGINEER: JIM MEYERS
DATE: 10/21/07

DEVELOPER'S CERTIFICATE

I, ZANE D. BUNY, CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN FOR SEDIMENT AND EROSION CONTROL 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 COUNTY SOIL CONSERVATION DISTRICT.

SIGNATURE OF DEVELOPER: ZANE D. BUNY
DATE: 10-21-08

SHEET INDEX

DESCRIPTION	SHEET NO.
COVER SHEET AND SITE DETAILS	1 OF 2
SITE DEVELOPMENT AND LANDSCAPE PLAN	2 OF 2

OWNER/DEVELOPER

FRANK BURJA
 410 CROSBY ROAD
 CATONSVILLE, MD 21228
 443-483-3537

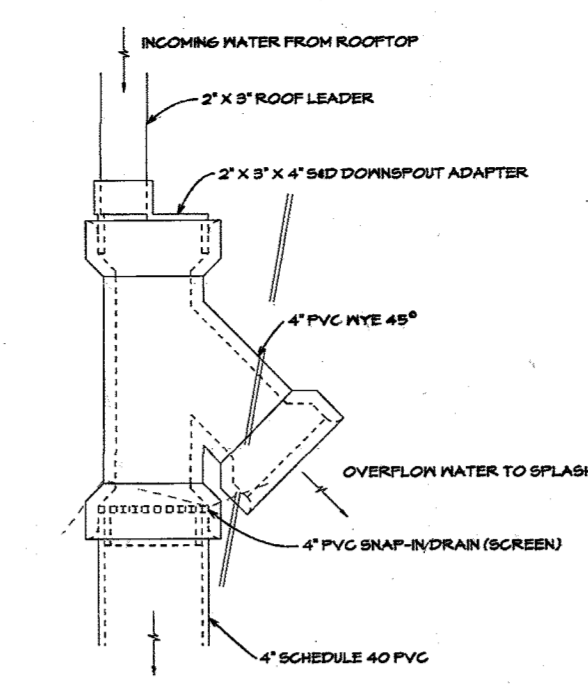


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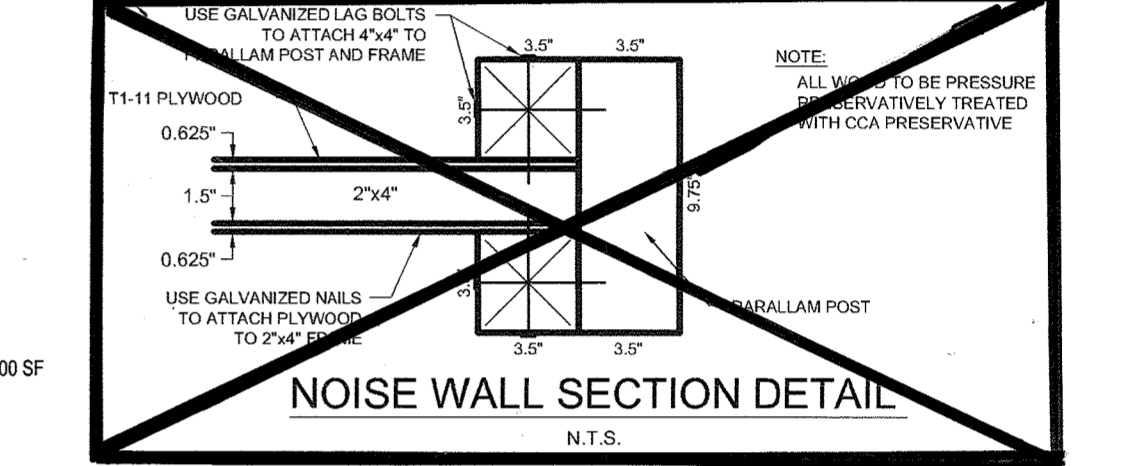
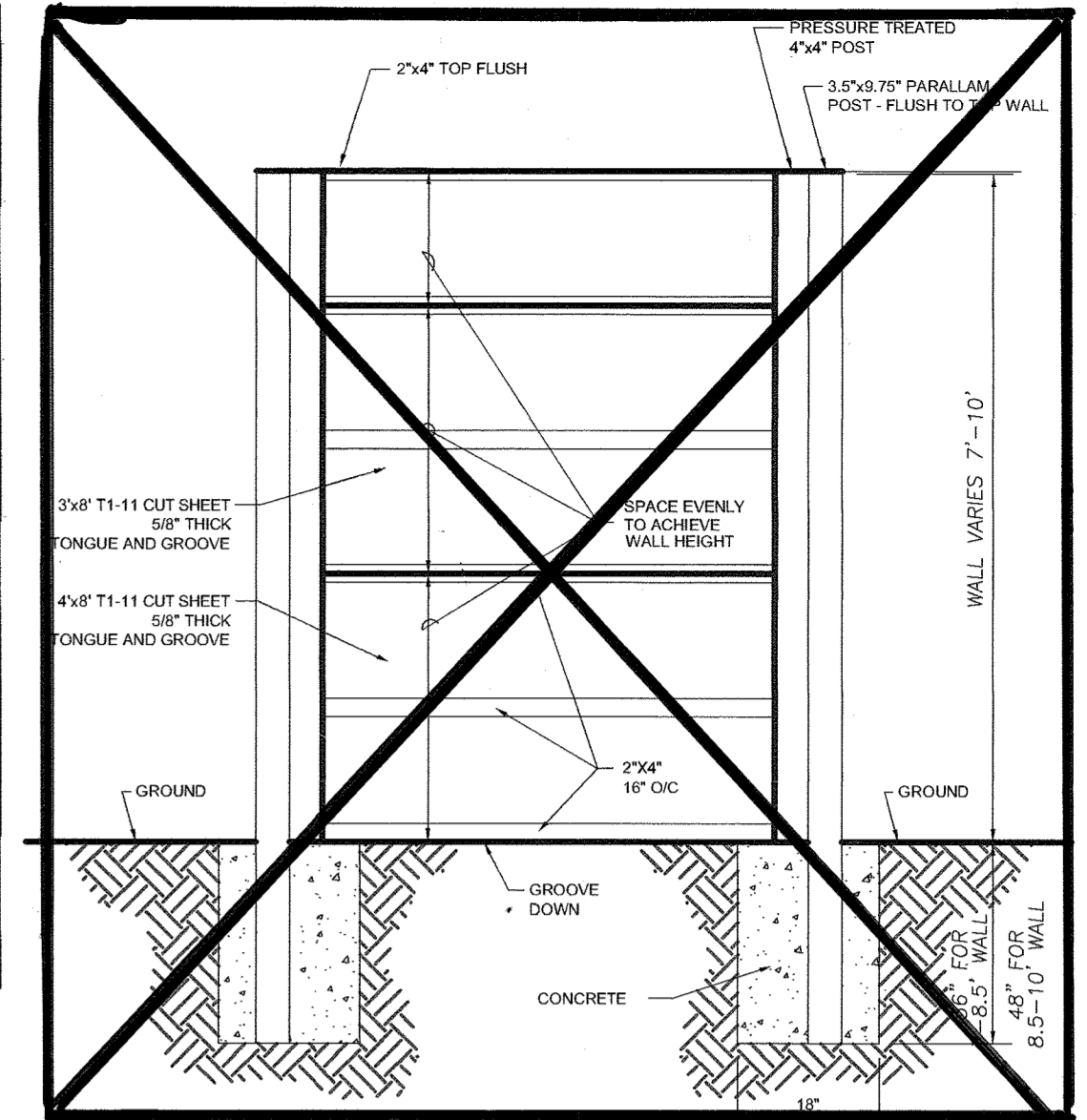
OPERATION AND MAINTENANCE SCHEDULE FOR PRIVATELY OWNED AND MAINTAINED STORMWATER DRY WELLS (M-5)

1. THE MONITORING WELLS AND STRUCTURES SHALL BE INSPECTED ON A QUARTERLY BASIS AND AFTER EVERY LARGE STORM EVENT.
2. WATER LEVELS AND SEDIMENT BUILD UP IN THE MONITORING WELLS SHALL BE RECORDED OVER A PERIOD OF SEVERAL DAYS TO INSURE TRENCH DRAINAGE.
3. A LOG BOOK SHALL BE MAINTAINED TO DETERMINE THE RATE AT WHICH THE FACILITY DRAINS.
4. WHEN THE FACILITY BECOMES CLOGGED SO THAT IT DOES NOT DRAIN DOWN WITHIN THE 72 HOUR TIME PERIOD, CORRECTIVE ACTION SHALL BE TAKEN.
5. THE MAINTENANCE LOG BOOK SHALL BE AVAILABLE TO HOWARD COUNTY FOR INSPECTION TO INSURE COMPLIANCE WITH OPERATION AND MAINTENANCE CRITERIA.
6. ONCE THE PERFORMANCE CHARACTERISTICS OF THE INFILTRATION FACILITY HAVE BEEN VERIFIED, THE MONITORING SCHEDULE CAN BE REDUCED TO AN ANNUAL BASIS UNLESS THE PERFORMANCE DATA INDICATES THAT A MORE FREQUENT SCHEDULE IS REQUIRED.

FIGURE 3 STANDARD DRYWELL DOWNSPOUT FITTINGS



- NOTES:
 1. THE SNAP IN SCREEN IS REQUIRED TO PREVENT CLOSING OF THE DRYWELL WITH DEBRIS.
 2. SEE FIGURE 3.1 FOR OPTIONAL FITTINGS TO ACCOMMODATE 1/2" OR 3/4" THICK STANDARD DRYWELL DOWNSPOUT FITTINGS FOR INFORMATION ON SOME LOCAL RETAILERS THAT SUPPLY COMPONENTS FOR THIS SYSTEM.



LEGEND

---	EXISTING 2 FT CONTOUR	---	STABILIZED CONSTRUCTION ENTRANCE
---	EXISTING 10 FT CONTOUR	---	EX. DRAINAGE AND UTILITY EASEMENT
---	PROPOSED 2 FT CONTOUR	---	EROSION CONTROL MATTING
---	PROPOSED 10 FT CONTOUR	---	SUPER SILT FENCE
---	LIMIT OF DISTURBANCE	---	PROPOSED RAIN GARDEN
---	SOILS		

(3) RAINGARDEN PLANT LIST (8.5' x 8.5' EACH)

QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE
1	PLATANUS X ACERIFOLIA	LONDON PLANE TREE	2 1/2" - 3" Cal.
1	ILEX GLABRA	INK BERRY	2' - 3' HT.
6	LOBELIA CARDINALIS	CARDINAL FLOWER LOBELIA	1 GAL. CONTAINER
4	DRYOPTERIS SP.	WOOD FERN	1 GAL. CONTAINER
3	ASTER NOVAE-ANGLIAE	NEW ENGLAND ASTER	1 GAL. CONTAINER

SOILS LEGEND

SYMBOL	NAME / DESCRIPTION	GROUP	K VALUE
Cs	COMUS SILT LOAM	B	.43
M1B2	MANOR LOAM, 3 TO 8 PERCENT SLOPES	B	.37
M1C2	MANOR LOAM, 8 TO 15 PERCENT SLOPES	B	.37
M1C3	MANOR LOAM, 8 TO 15 PERCENT SLOPES	B	.37

REVISIONS

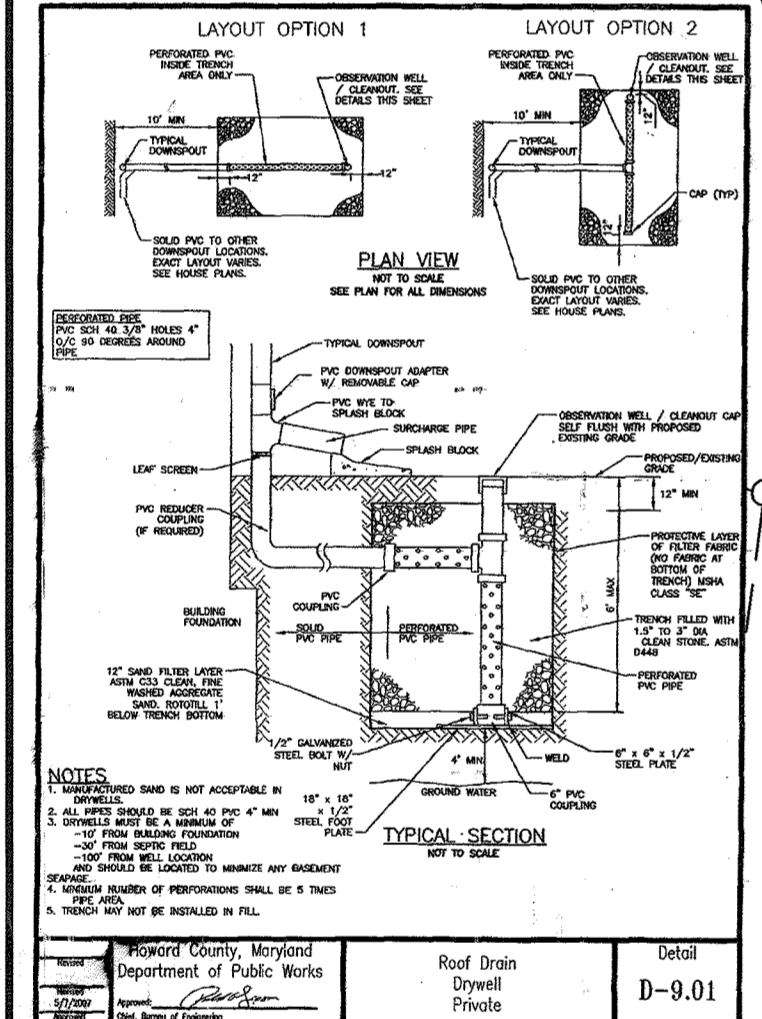
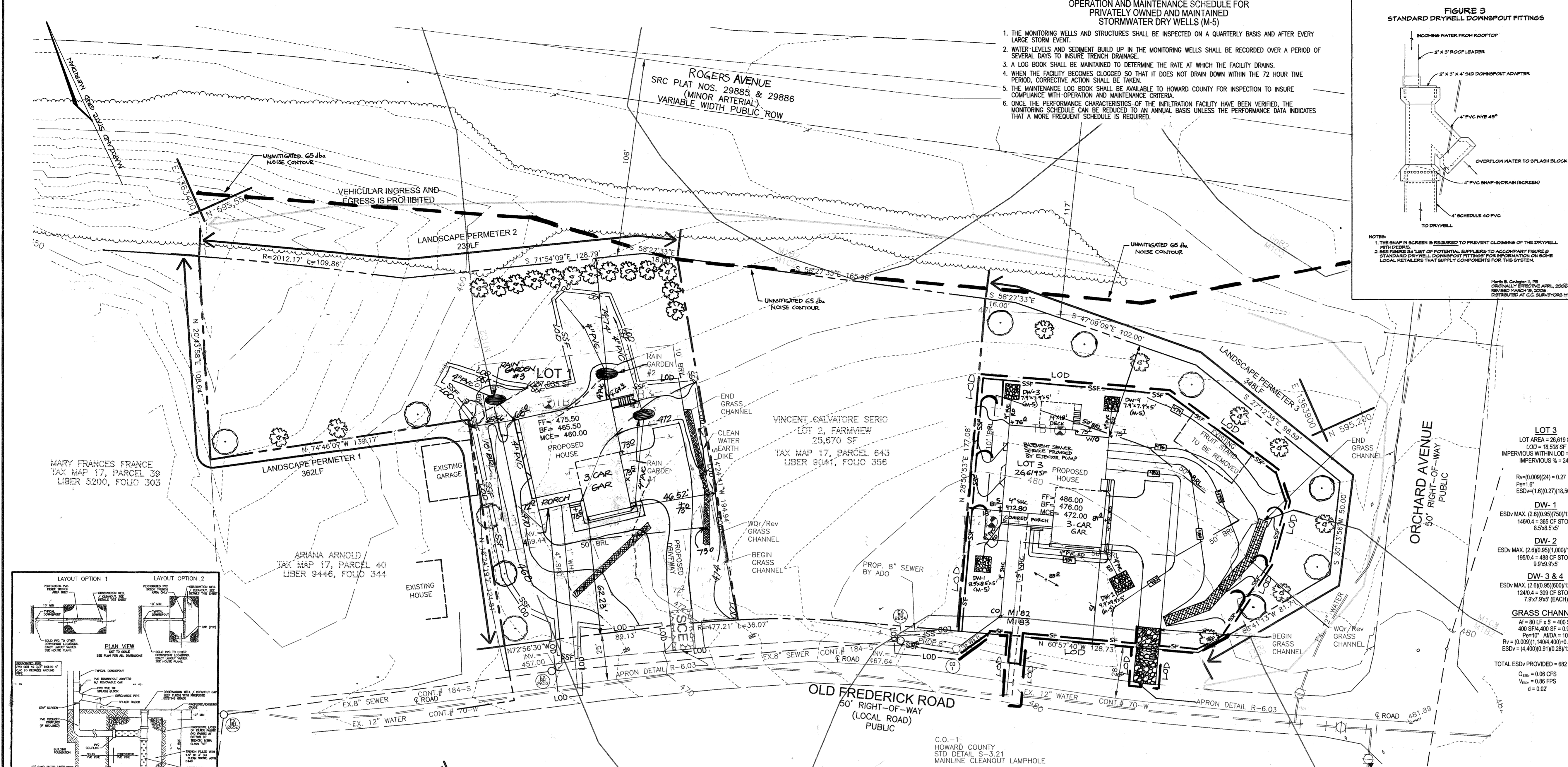
NO.	REVISION	DATE
3	REVISE THE HOUSE TYPE, GRADING, SWMS & REMOVE NOISE WALL ON LOT 3	5-8-19
1	REVISE HOUSE TYPE AND LOCATION LOT 1	7/6/15

SITE DEVELOPMENT AND LANDSCAPE PLAN
FARMVIEW-LOTS 1 AND 3
 SITE DEVELOPMENT PLAN
 "SINGLE FAMILY DETACHED DWELLING"
 TAX MAP 17 GRID 12 PARCEL 643
 2ND ELECTION DISTRICT HOWARD COUNTY, MARYLAND

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DESIGN BY: RHV
 DRAWN BY: JAJ
 CHECKED BY: RHV
 DATE: APRIL 2006
 SCALE: AS SHOWN
 W.O. NO.: 05-92.00

DPZ FILES:
 2 SHEET OF 2



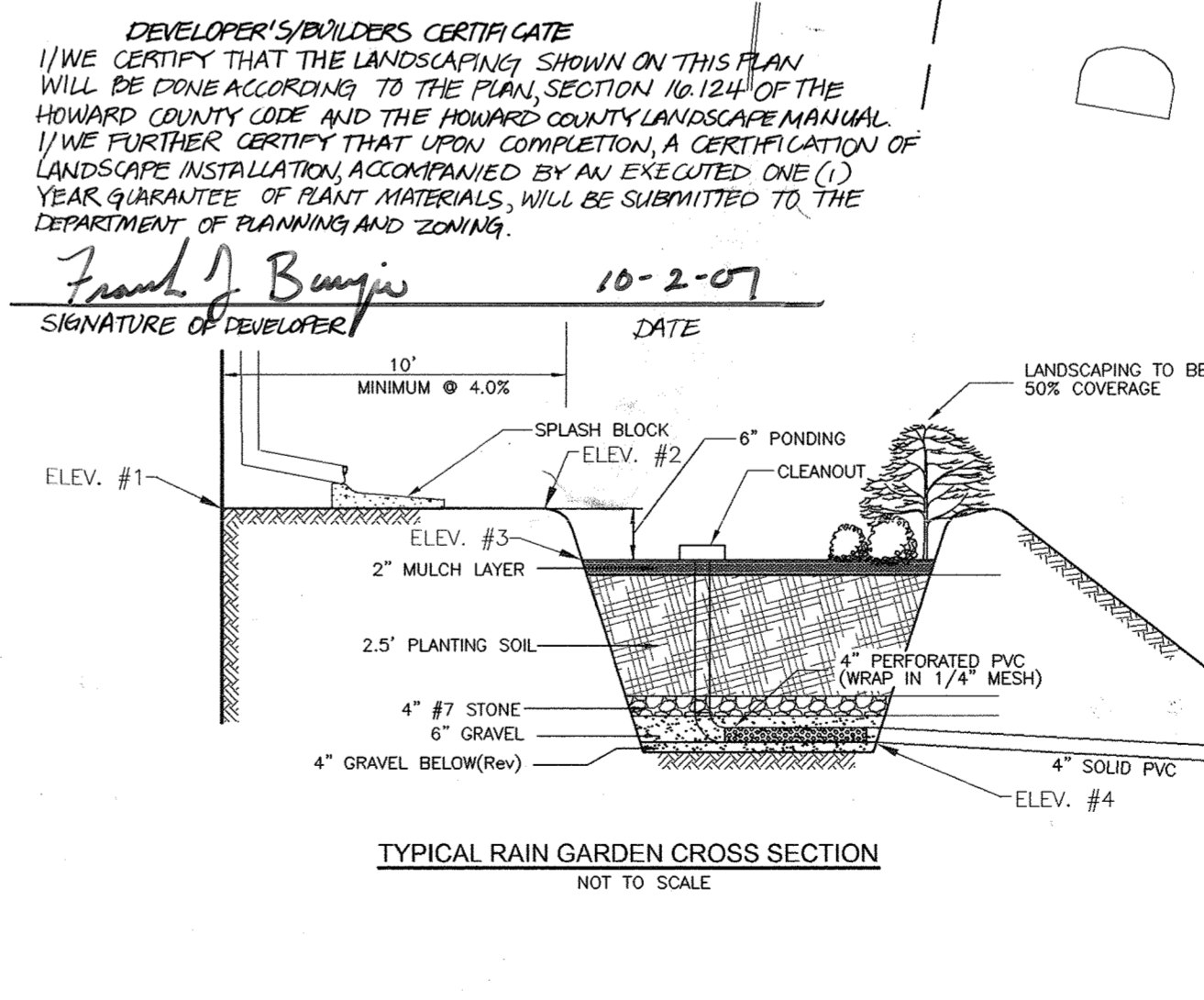
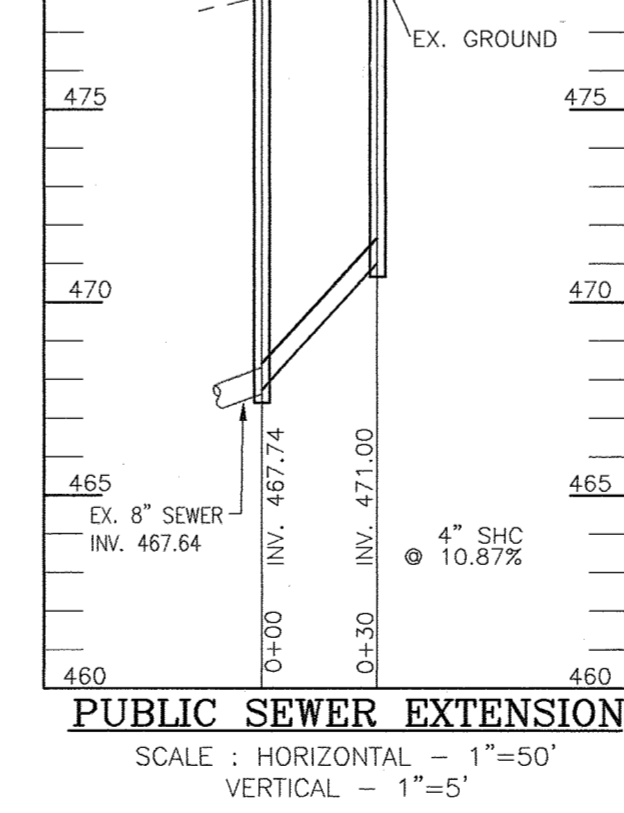
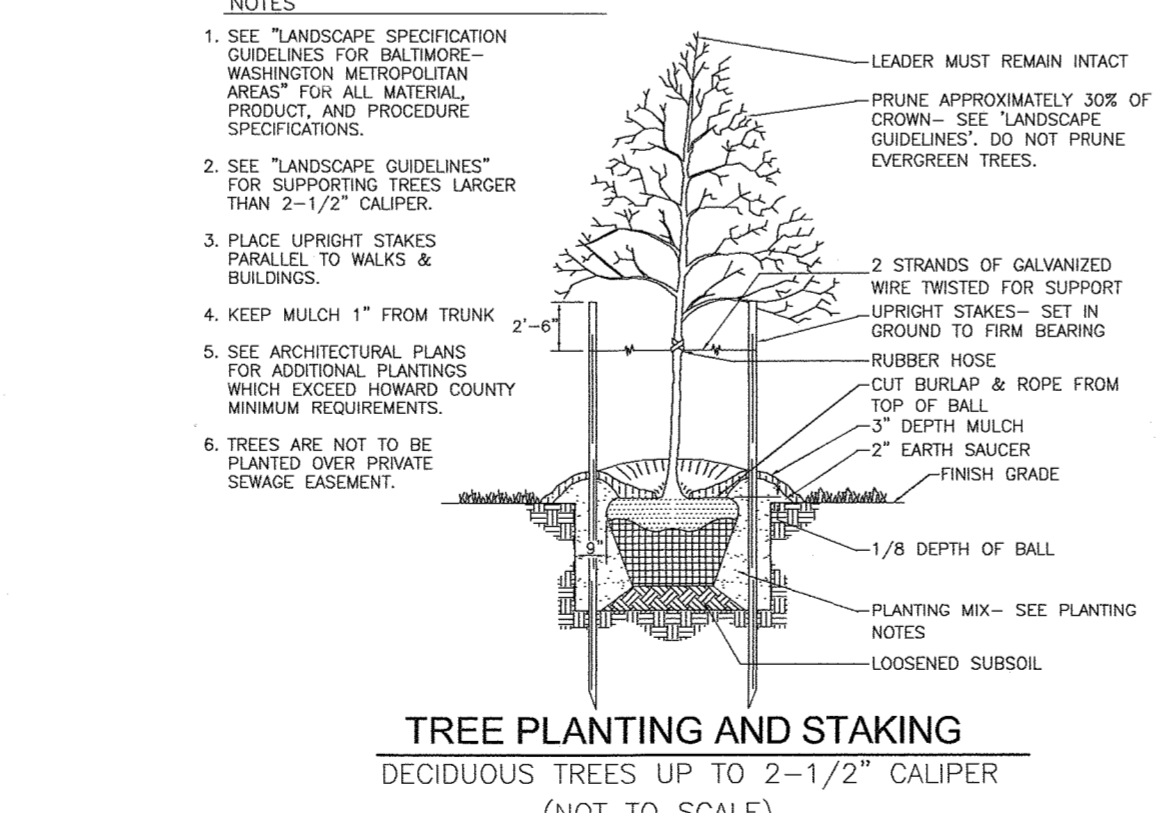
SCHEDULE A PERIMETER LANDSCAPE EDGE

CATEGORY	ADJACENT TO PERIMETER PROPERTIES
	1 2 3
Perimeter/Frontage Designation	A B C
Linear Feet of Roadway	362 238 348
Frontage/Perimeter	
Credit for Existing Vegetation (Yes, No, Linear Feet)	No No No
Credit for Wall, Fence or Berm (Yes, No, Linear Feet)	No No No
Number of Plants Required	160 7 160 4 160 6
Shade Trees	
Evergreen Trees	1:50 7 1:50 5 1:50 7
Shrubs	
Number of Plants Provided	6 2 13 6 7
Shade Trees	
Evergreen Trees	
Other Trees (2:1 Substitution)	
Shrubs (10:1 Substitution)	
Describe Plant Substitution Credits Below if needed	

GRASS CHANNEL DETAIL

PLANT LIST

KEY	QUAN.	BOTANICAL NAME	SIZE	REM.
AR	12	ACER RUBRUM 'OCTOBER GLORY' / OCTOBER GLORY RED MAPLE	2 1/2" - 3"	B & B
CL	22	LUPROPHYLLIS LEXLANDI / LEYLAND CYPRESS	5' - 6' HT.	B & B



RAINGARDEN ELEVATION CHART

LOT#	RAIN GARDEN #	ELEV. 1	ELEV. 2	ELEV. 3	ELEV. 4	OUTFALL ELEV.
1	1	471.1	470.7	470.2	466.37	466.1
	2	469.4	469.0	468.5	464.67	464.4
	3	468.0	467.6	467.1	463.27	463.0

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
 [Signature] 2/15/08
 CHIEF, DEVELOPMENT ENGINEERING DIVISION
 [Signature] 3/3/08
 CHIEF, DIVISION OF LAND DEVELOPMENT
 [Signature] 2/15/08
 DIRECTOR

REVIEWED FOR HOWARD SCD AND MEETS TECHNICAL REQUIREMENTS
 [Signature] 10-11-07
 [Signature] 10-11-07
 HOWARD SCD

ENGINEERS CERTIFICATE
 I CERTIFY THAT THIS PLAN FOR SEDIMENT AND EROSION 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] 10/2/07
 SIGNATURE OF ENGINEER ROBERT H. VOGEL

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 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] 10-2-07
 SIGNATURE OF DEVELOPER

K:\Projects\05-02-04\09\01\01\01\SUP\S2-STEP\PLAN.dwg - 10/2/2007 8:17:25 AM

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