

# APPLICATION

PERCOLATION TESTING

A 516525

P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 313-2840

DISTRICT \_\_\_\_\_

DATE \_\_\_\_\_

TO: THE COUNTY HEALTH OFFICER  
ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER EDWINA S. DASCHUK

ADDRESS 10290 CAVEY PHONE 410.465.8298

AGENT OR PROSPECTIVE BUYER HAILEY DEVA AGENT

ADDRESS 3905 NATIONAL Drive Suite 105 PHONE 301.476.7715

PROPERTY LOCATION:

SUBDIVISION DASCHUK Property LOT NO. 7

ROAD AND DESCRIPTION CAVEY LANE

TAX MAP 11 PARCEL # 32

SIZE OF LOT 1 ACRE TYPE BLDG. SFD  
(SINGLE FAMILY DWELLING OR COMMERCIAL)

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE. I FULLY UNDERSTAND THE FEE CONNECTED WITH THE FILING OF THIS PERC TEST APPLICATION IS NON-REFUNDABLE UNDER ANY CIRCUMSTANCES. I ALSO AGREE TO COMPLY WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT.

Phyllis Agent  
(SIGNATURE OF APPLICANT)

APPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

DISAPPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

HOLD PENDING FURTHER TESTS \_\_\_\_\_

REASONS FOR REJECTION OR HOLDING \_\_\_\_\_

PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # \_\_\_\_\_ DATE \_\_\_\_\_

SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # \_\_\_\_\_ DATE \_\_\_\_\_

## THIS IS NOT A PERMIT

COUNTY #

DK rd brn  
CL Lm  
w/ pockets  
of milaceous  
hry Lm Rx 5%  
5

Trace  
Rx

Bottom 14'

1028

Strong brn  
y brn  
hvy Lm -  
CL Lm  
Rx ~ 5%

Micaceous  
Loam

Beige  
SAND  
Rx 5-10%

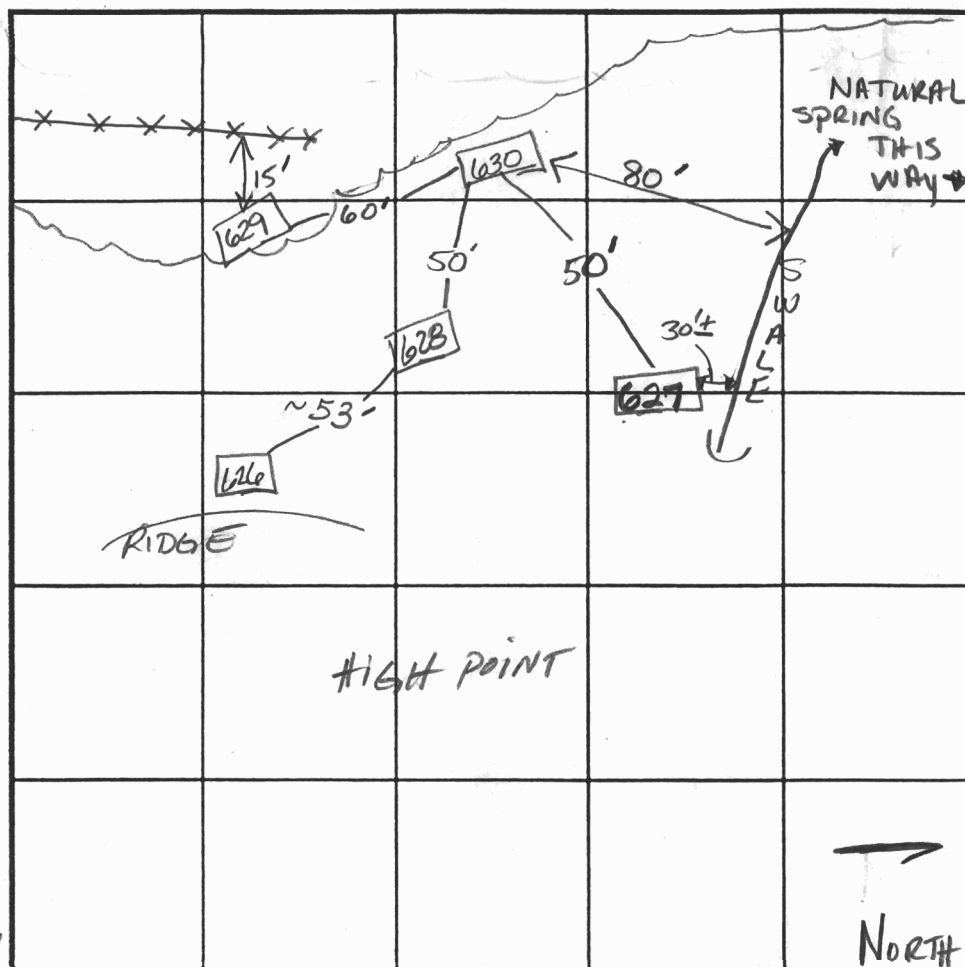
Bottom 13'

627

Strongly  
y brn  
micaceous  
Lm

beige  
SAND  
5-10% Rx

Bottom 13'



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
5-2-02	630	Visual	SEE soil profile CLAY ONLY 2 feet deep				OK
	629	5' S / 14V	10:45:23	10:47:16	"	10:49:30	2 <sup>+</sup> min OK
	628	3' 10" S	11:10:16	11:13:17	"	11:17:11	5 min
		8' 4" N / 13V	11:08:00	11:09:39	"	11:11:30	2 min OK
	627	3' S / 13V	11:22:06	11:25:13	"	11:31:38	~5 min OK
all Lm + pocket	626	3' / 13V	10:35:52	10:37:20	"	10:39:25	2 min OK
	Holes per plan						

REMARKS Not All Hole locations in field  $\neq$  Hole locations on plan, i.e. 627 to

TYPE OF SOIL 630 = 80' on plan. 630 to 628 IS ACCURATE

TESTED BY Kacie ALSO PRESENT Tony Thometz

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME \_\_\_\_\_ TRENCH WIDTH \_\_\_\_\_

INLET DEPTH	MAXIMUM BOTTOM DEPTH	SQ. FT./BEDROOM
1.0	1.0	1.0
1.5	1.5	1.5
2.0	2.0	2.0
2.5	2.5	2.5
3.0	3.0	3.0
3.5	3.5	3.5
4.0	4.0	4.0
4.5	4.5	4.5
5.0	5.0	5.0
5.5	5.5	5.5
6.0	6.0	6.0
6.5	6.5	6.5
7.0	7.0	7.0
7.5	7.5	7.5
8.0	8.0	8.0
8.5	8.5	8.5
9.0	9.0	9.0
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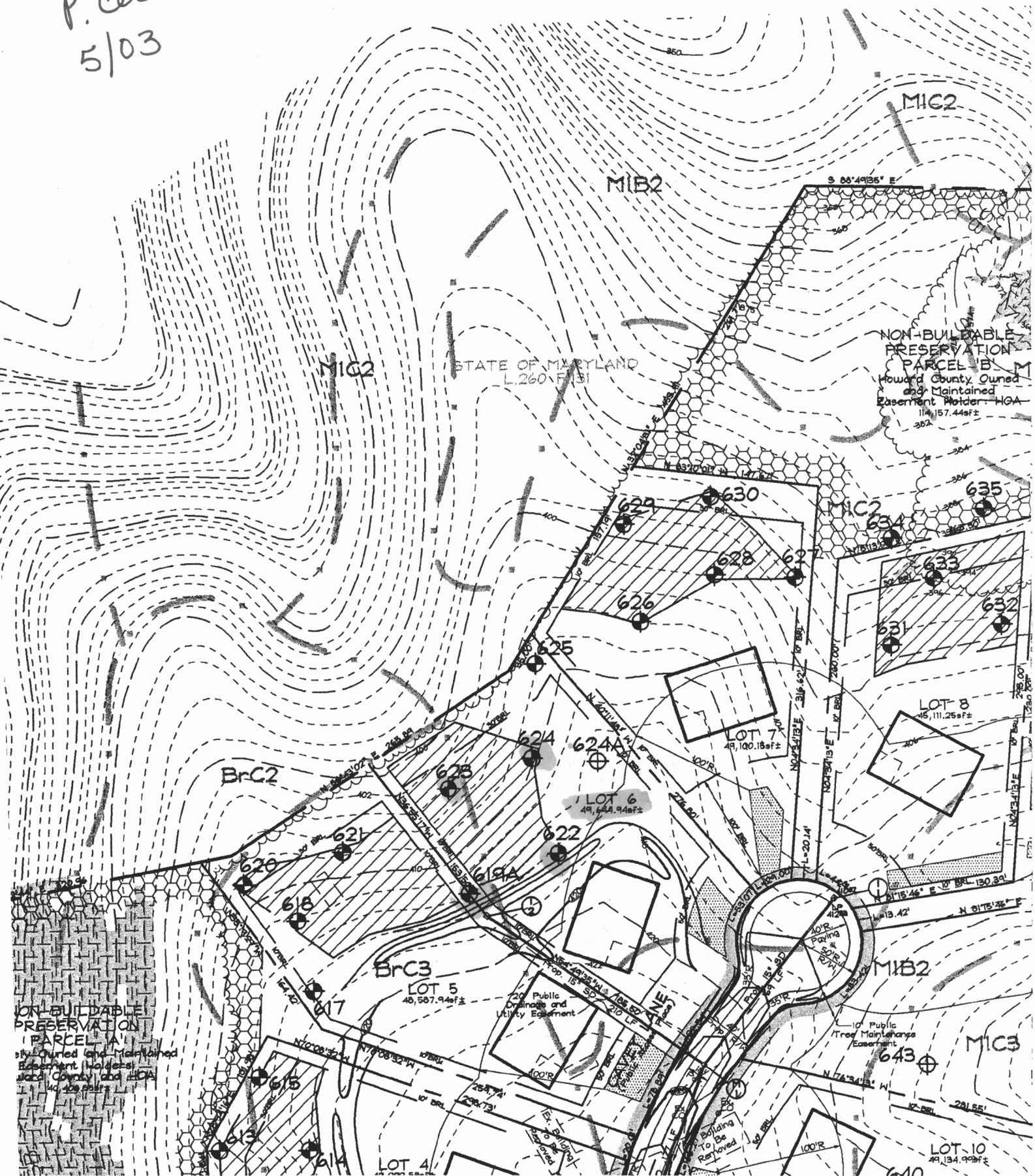
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~~Signed 7/22/03~~

Public  
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587.94sf±

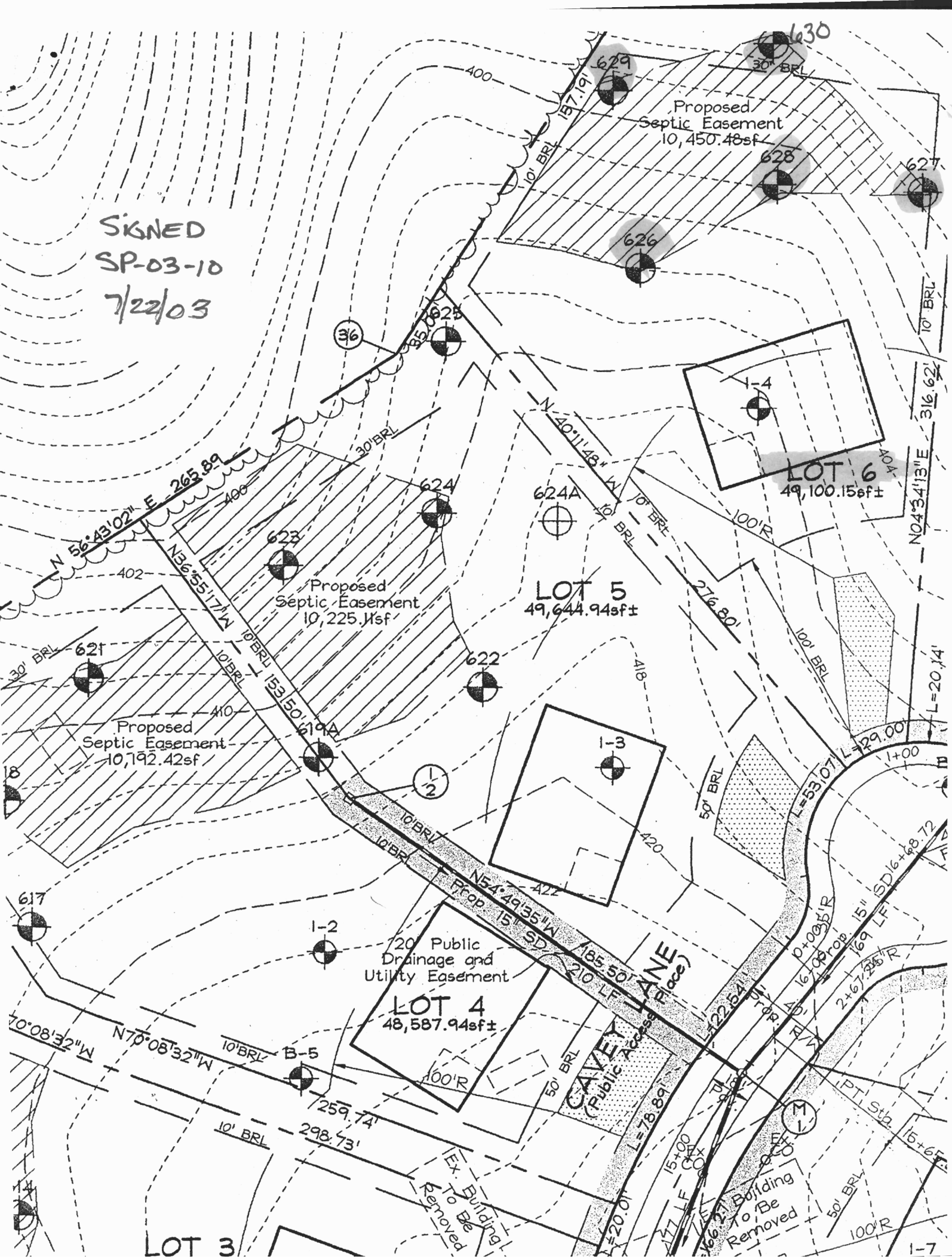
19 Public  
Tree Maintenance

Signed  
P. cert  
5/03

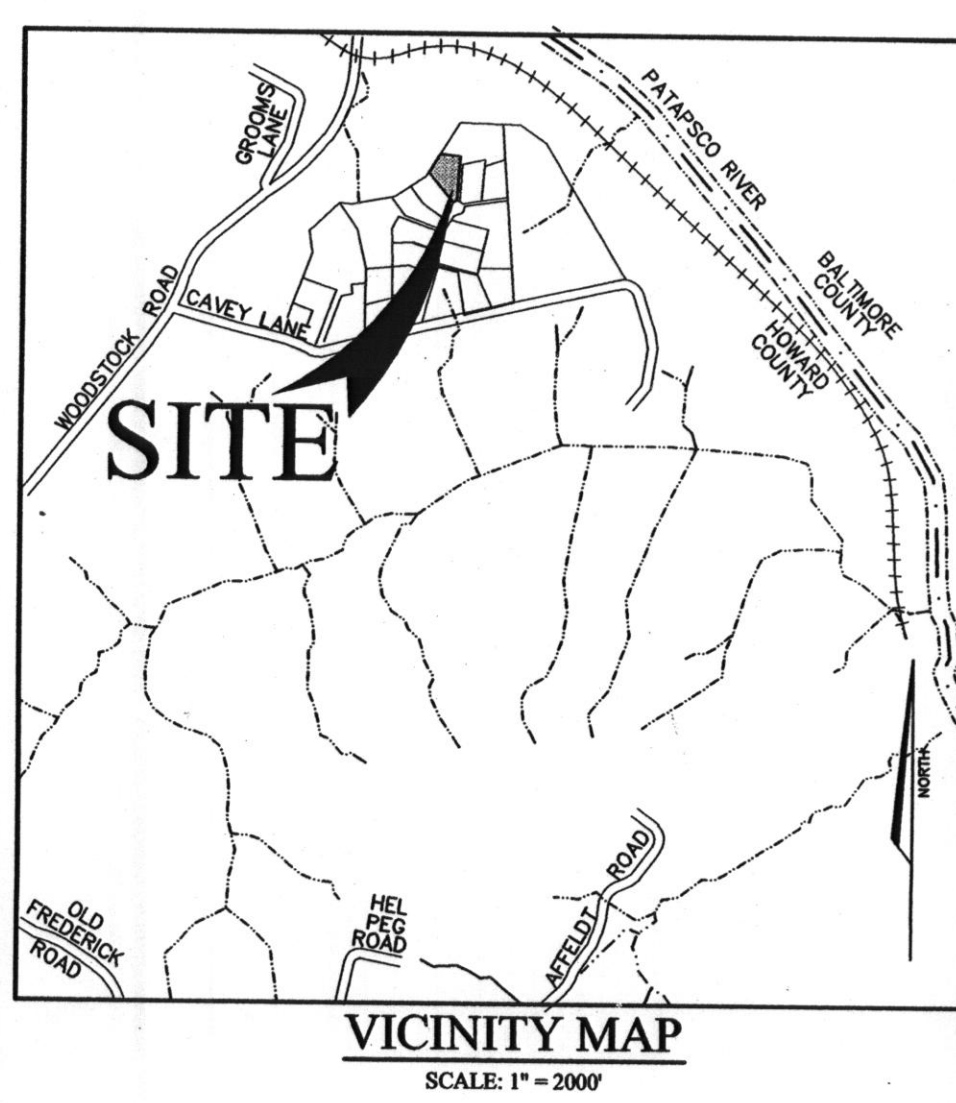
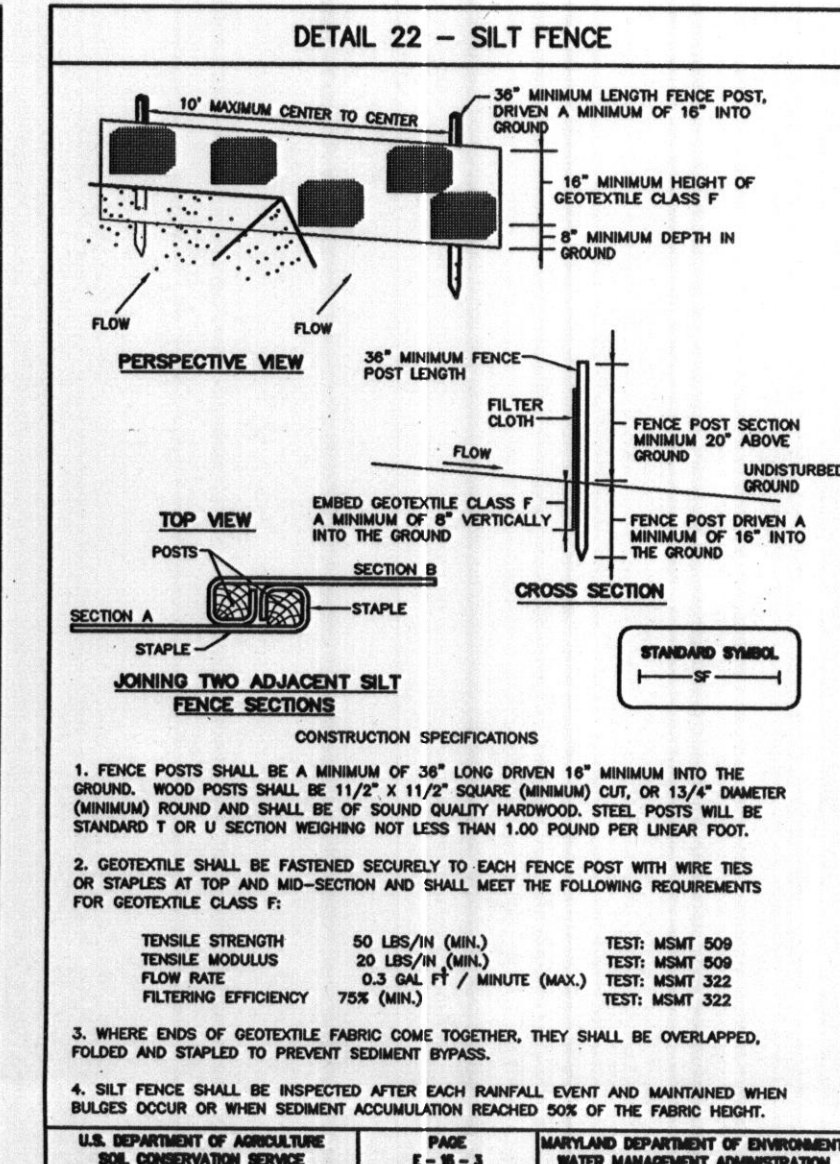
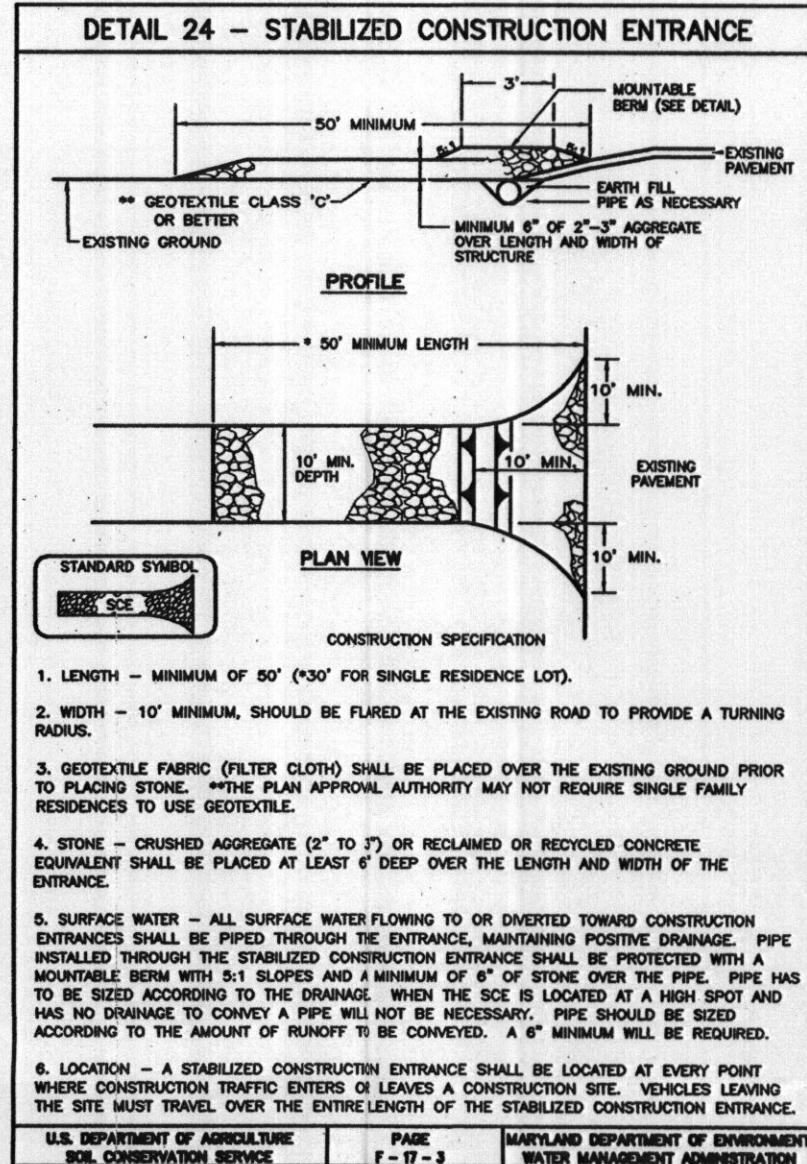
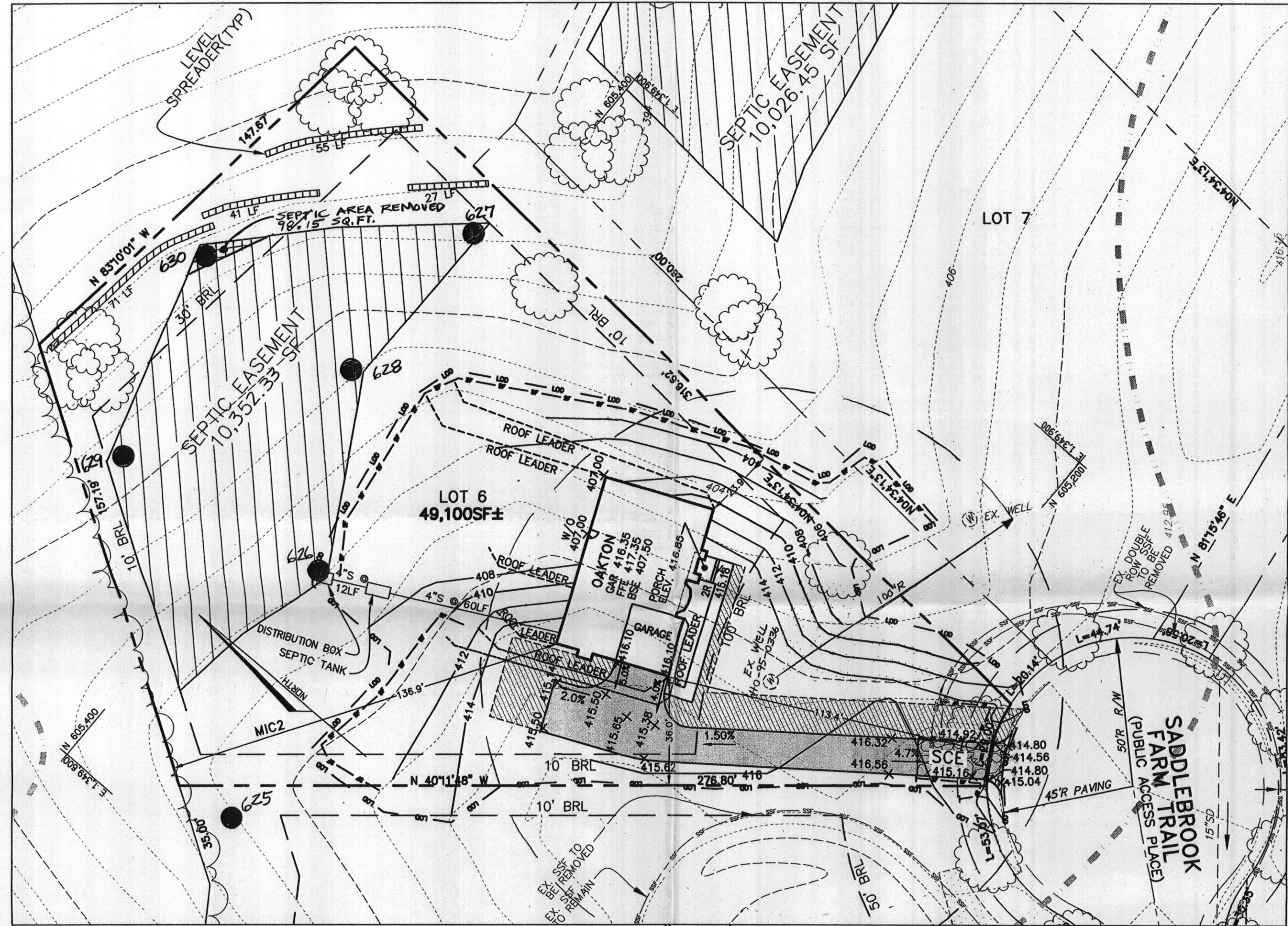




SIGNED  
SP-03-10  
7/22/03





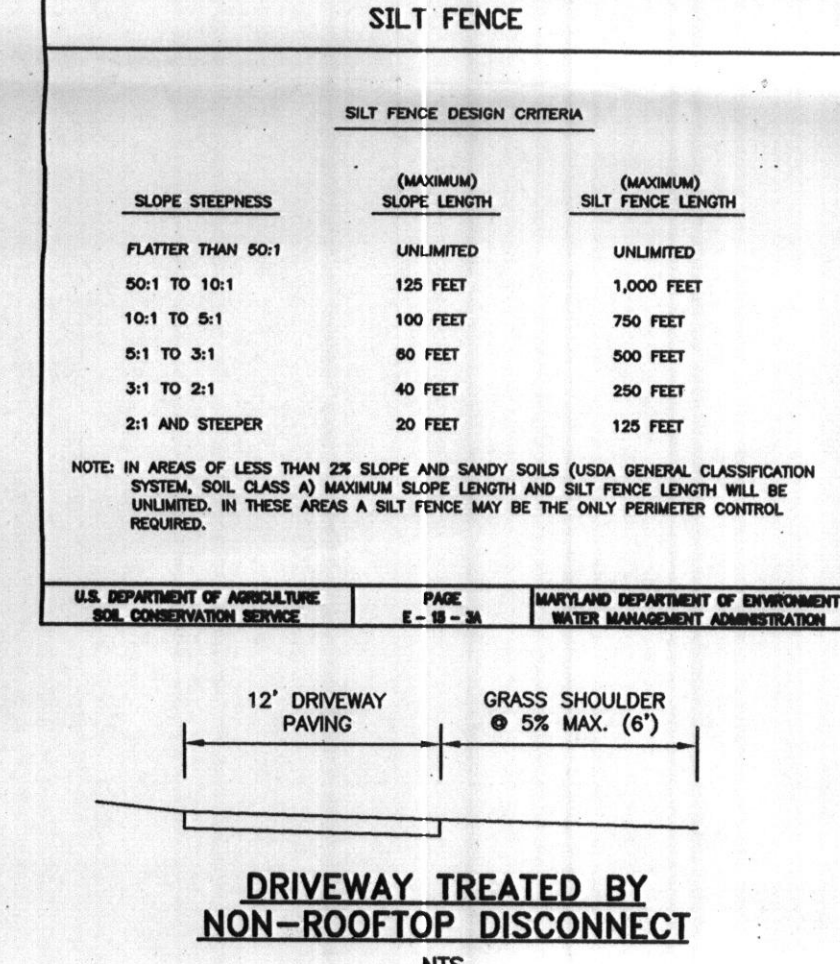
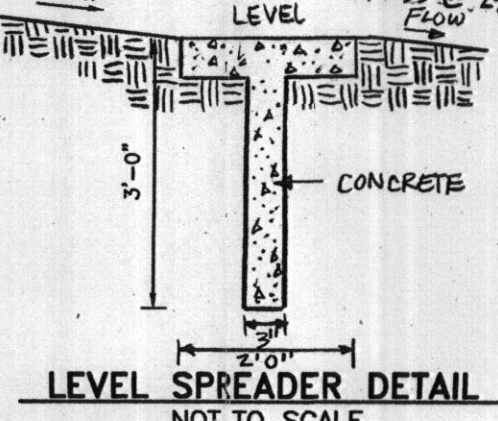


### GENERAL NOTES

- TAX MAP: 11, PARCELS: 19, BLOCK: 13, LOT 6  
ZONING: RC-DEO  
DEED REFERENCE: 8920/421  
DTPS FILE: F-03-0422-03-10, WP-03-148  
LOT AREA: 49,100 SQ. FT. OR 1.13 ACRES
- SUBJECT PROPERTY ZONED RC-DEO PER THE 02/02/2004 COMPREHENSIVE ZONING PLAN.
- COORDINATES BASED ON NAD '83 MARYLAND COORDINATE SYSTEM AS PROJECTED BY HOWARD COUNTY GEODETIC CONTROL STATIONS NO. 101A & 17A8.  
STA NO. 101A= N 600,995.112, E 1,345,340.402 ELEV=442.707  
STA NO. 46EB= N 598,435.251, E 1,345,615.251 ELEV=509.178
- TOPOGRAPHIC DATA SHOWN HEREON IS BASED ON ROAD PLANS FILED UNDER F-06-042 AND A FIELD RUN TOPOGRAPHIC SURVEY CONDUCTED IN FEBRUARY 2002 BY FSH ASSOCIATES. BOUNDARY SHOWN HEREON IS BASED ON FIELD RUN MONUMENTED BOUNDARY SURVEY PERFORMED ON OR ABOUT FEBRUARY 2002 BY FSH ASSOCIATES.
- ALL AREAS ARE MORE OR LESS.
- THIS SUBDIVISION IS NOT IN THE METROPOLITAN DISTRICT. PRIVATE WELL AND SEPTIC SYSTEMS WILL BE UTILIZED. GROUNDWATER APPROPRIATION PERMIT NUMBER: H02005009(01). SOME OF THE WELLS ARE KNOWN TO HAVE LEVELS OF GROSS ALPHA AND/OR GROSS BETA ABOVE CURRENT EPA STANDARDS AND WILL REQUIRE APPROPRIATE TREATMENT PRIOR TO USE AND OCCUPANCY.
- NO GRAVES, CEMETERIES, OR HISTORIC STRUCTURES EXIST ON-SITE. SITE IS NOT ADJACENT TO A DESIGNATED SCENIC ROAD.
- THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE LANDSCAPE MANUAL. FINANCIAL SURETY FOR THE REQUIRED LANDSCAPING (81 SHADE TREES, 36 EVERGREENS) HAS BEEN POSTED AS PART OF THE DPW DEVELOPERS AGREEMENT IN THE AMOUNT OF \$29,700.00 UNDER F-06-042.
- WETLAND AND FOREST STAND DELINEATIONS PREPARED BY EXPLORATION RESEARCH, INC. AND APPROVED UNDER SP-03-10 NO WETLANDS, STREAMS, THEIR BUFFERS, FLOODPLAIN, SLOPES 15% OR GREATER, OR 65DBA NOISE LINE EXIST ON LOT 3.
- FOREST CONSERVATION OBLIGATIONS IN ACCORDANCE WITH SECTION 16.120 OF THE HOWARD COUNTY CODE AND REFORESTATION ACT FOR THIS SUBDIVISION HAS BEEN FULFILLED BY RETENTION OF 4.71 ACRES AND REFORESTATION IF 1.17 ACRES. FINANCIAL SURETY FOR THE 0W-31E RETENTION OF 4.71 ACRES (\$25,127.45 SQ.FT.) IN THE AMOUNT OF \$41,033.52 AND REFORESTATION OF 1.17 ACRES (\$50,965.2 SQ.FT.) IN THE AMOUNT OF \$25,482.60 HAS BEEN POSTED AS PART OF THE DPW DEVELOPERS AGREEMENT IN THE AMOUNT OF \$66,516.12 UNDER F-06-042.
- DRIVEWAYS SHALL BE PROVIDED PRIOR TO RESIDENTIAL OCCUPANCY TO ENSURE SAFE ACCESS FOR FIRE AND EMERGENCY VEHICLES PER THE FOLLOWING MINIMUM REQUIREMENTS:  
A) WIDTH: 12 FEET (14 FEET SERVING MORE THAN ONE RESIDENT)  
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 OF 45-FOOT TURNING RADIUS.  
D) STRUCTURES: STRUCTURES SHALL BE CONSTRUCTED TO SUPPORT 25 GROSS TONS (H25 LOADING).  
E) DRAINAGE EASEMENTS: CAPABLE OF SAFELY PASSING 100-YEAR FLOOD WITH NO MORE THAN 1-FOOT DEPTH OVER DRIVEWAY SURFACE.  
F) STRUCTURE CLEARANCES: MINIMUM 12 FEET  
G) MAINTENANCE: SUFFICIENT TO ENSURE ALL WEATHER USE.
- STORMWATER MANAGEMENT REQUIREMENTS FOR CPV HAVE BEEN PROVIDED IN A SURFACE SAND FILTER FACILITY AND REVS HAVE BEEN PROVIDED FOR IN GRASS SWALES. THE SURFACE SAND FILTER FACILITY IS PRIVATELY OWNED AND MAINTAINED BY THE HOMEOWNERS ASSOCIATION. WOV FOR LOT 1 HAS BEEN PROVIDED FOR BY A DRY SWALE. WOV FOR LOTS 10-11 HAS BEEN PROVIDED FOR BY A DRY SWALE. WOV FOR LOT 12, ROOFTOP DISCONNECTS AND NON-ROOFTOP DISCONNECTS, ALL TO BE PRIVATELY OWNED AND MAINTAINED. WOV FOR LOTS 2-5, 10 & 12 HAVE BEEN PROVIDED FOR IN A SURFACE SAND FILTER FACILITY.
- THIS PLAN IS SUBJECT TO THE FIFTH EDITION OF THE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS AS AMENDED UNDER H&D BILL NO. 75-2003. DEVELOPMENT OR CONSTRUCTION ON THIS LOT MUST COMPLY WITH SETBACK AND BUFFER REGULATIONS IN EFFECT AT THE TIME OF SUBMISSION OF THE BUILDING AND GRADING PERMITS.
- THIS LOT SHOWS HEREON COMPLIES WITH THE MINIMUM OWNERSHIP, WIDTH, AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
- THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT OF AT LEAST 10,000 SQ.FT. AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL (CONAR 26.04.03). IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWAGE IS AVAILABLE. THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE EASEMENT. RECONSTRUCTION OF THE MODIFIED SEWAGE EASEMENT SHALL NOT BE NECESSARY.
- NO CLEARING, GRADING OR CONSTRUCTION IS PERMITTED WITHIN WETLANDS, STREAMS, OR THEIR REQUIRED BUFFERS.
- THE CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITY AGENCIES AT LEAST FIVE(5) DAYS PRIOR TO ANY EXCAVATION WORK:  
MISS UTILITY: 1-800-257-7777  
CAP TELEPHONE COMPANY: 410-725-9976  
H.O. CO. BUREAU OF UTILITIES: 410-313-4833  
AT&T CABLE LOCATION DIVISION: 410-393-4833  
BALTIMORE GAS & ELECTRIC: 410-685-0123  
STATE HIGHWAY ADMINISTRATION: 410-531-5533  
H.O. CO. DEPT. OF PUBLIC WORKS/ CONSTRUCTION INSPECTION DIVISION: 410-313-1880
- 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.
- DRIVEWAY ENTRANCE SHALL BE CONSTRUCTED IN ACCORDANCE WITH HOWARD COUNTY STANDARD R-6-06.
- ARTICLES OF INCORPORATION FOR THE HOMEOWNERS ASSOCIATION WERE ACCEPTED BY THE STATE DEPARTMENT OF ASSESSMENT AND TAXATION ON APRIL 5, 2006, INCORPORATION NUMBER 01219797.
- THIS PROJECT IS SUBJECT TO WAIVER PETITION WP-03-148 IN WHICH ON JULY 11, 2003 THE PLANNING DIRECTOR APPROVED A WAIVER FROM SECTION 16.119(a)(5) TO ALLOW THE PROPOSED RIGHT OF WAY OF CAVEY LANE TO BE INTO EXISTING CAVEY LANE WITHOUT THE REQUIRED 25 FEET TRUNCATIONS ON EITHER SIDE OF THE RIGHT OF WAY.
- PER LETTERS FROM SHALEHEARTH, L.C. (ELM STREET DEVELOPMENT) DATED JANUARY 3, 2007, CRAFTMARK HOMES HAS PERMISSION TO USE SEDIMENT CONTROLS INSTALLED UNDER F-06-042 AND PERMISSION TO GRADE ON ALL LOTS INCLUDING THE OPEN SPACE / NON-BUILDABLE LOTS / PARCEL.
- THE EXISTING WELL (TAG# H-09-0336) HAS BEEN FIELD LOCATED BY HARMS PROFESSIONAL LAND SURVEYOR AND IS ACCURATELY SHOWN.
- PASSED PERC HOLES SHOWN AS PER PERC CERT PLAN SIGNED ON 7/22/03.

### SEPTIC SYSTEM DATA

FIRST FLOOR ELEVATION:	417.35
BASEMENT ELEVATION:	407.50
INV. OUT OF HOUSE:	404.69
INV. IN SEPTIC TANK:	403.48
EX. ELEVATION AT SEPTIC TANK:	407.60
PROP. ELEVATION AT SEPTIC TANK:	407.30
EX. ELEVATION AT DISTRIBUTION BOX:	406.00
PROP. INV. IN DISTRIBUTION BOX:	403.00



### DRIVEWAY TREATED BY NON-ROOFTOP DISCONNECT

NTS

### STANDARD 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 VEGETATIVE GROWTH. SOILS OF CONCERN HAVE LOW MOISTURE CONTENT, LOW NUTRIENT LEVELS, LOW pH, MATERIALS TOXIC TO PLANTS, AND/OR UNACCEPTABLE SOIL GRAVIMETRY.

#### CONDITIONS WHERE PRACTICE APPLIES

- THIS PRACTICE IS LIMITED TO AREAS HAVING 2:1 OR FLATTER SLOPES WHERE:
  - THE TEXTURE OF THE EXPOSED SUBSOIL/PARENT MATERIAL IS NOT ADEQUATE TO PRODUCE VEGETATIVE GROWTH.
  - 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.
  - THE ORIGINAL SOIL TO BE VEGETATED CONTAINS MATERIAL TOXIC TO PLANT GROWTH.
  - THE SOIL IS SO AODIC THAT TREATMENT WITH LIMESTONE IS NOT FEASIBLE.
- 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

- TOPSOIL SALVAGED FROM THE EXISTING SITE MAY BE USED PROVIDED THAT IT MEETS THE STANDARDS AS SET FORTH IN THESE SPECIFICATIONS. TYPICALLY, THE TOPSOIL TO BE SALVAGED FOR A GIVEN SOIL TYPE CAN BE FOUND IN THE REPRESENTATIVE SOIL PROFILE SECTION IN THE SOIL SURVEY PUBLISHED BY USDA-SCS IN COOPERATION WITH MARYLAND AGRICULTURAL EXPERIMENTAL STATION.
- FOR SITES SPECIFICATIONS - SOIL TO BE USED AS TOPSOIL MUST MEET THE FOLLOWING:
  - TOPSOIL SHALL BE A LOAM, SANDY LOAM, CLAY LOAM, SILTY LOAM, SANDY CLAY LOAM, LOAMY SAND. OTHER SOILS MAY BE USED IF RECOMMENDED BY AN AGRONOMIST OR SOIL SCIENTIST AND APPROVED BY THE APPROPRIATE APPROVAL AUTHORITY. REGARDLESS, TOPSOIL SHALL NOT BE A MIXTURE OF CONTRASTING TEXTURED SUBSTRATES AND SHALL CONTAIN LESS THAN 2% BY VOLUME OF CHUNKS, STONES, SLAG, COARSE FRAGMENTS, GRAVEL, STICKS, ROOTS, TRASH, OR OTHER MATERIALS LARGER THAN 1 1/2" IN DIAMETER.
  - TOPSOIL MUST BE FREE OF PLANTS OR PLANT PARTS SUCH AS BERBERIS GRASS, QUACKGRASS, JOHNSON GRASS, NUTGRASS, POISON IVY, THISTLE, OR OTHERS AS SPECIFIED.
  - 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.
- FOR SITES HAVING DISTURBED AREAS OVER 5 ACRES:
  - PLACE TOPSOIL (IF REQUIRED) AND APPLY SOIL AMENDMENTS AS SPECIFIED IN 20.0 VEGETATIVE STABILIZATION - SECTION I - VEGETATIVE STABILIZATION METHODS AND MATERIALS.
- FOR SITES HAVING DISTURBED AREAS OVER 5 ACRES:
  - ON SOIL MEETING TOPSOIL SPECIFICATIONS, OBTAIN TEST RESULTS DICTATING FERTILIZER AND LIME AMENDMENTS REQUIRED TO BRING THE SOIL INTO COMPLIANCE WITH THE FOLLOWING:
    - pH FOR TOPSOILS SHALL BE BETWEEN 6.0 AND 7.5. IF THE TESTED SOIL DEMONSTRATES A pH OF LESS THAN 6.0, SUFFICIENT LIME SHALL BE PERFORMED TO RAISE THE pH TO 6.5 OR HIGHER.
    - ORGANIC CONTENT OF TOPSOIL SHALL BE NOT LESS THAN 1.5 PERCENT BY WEIGHT.
    - CATIONS HAVING SOLUBLE SALT CONTENT GREATER THAN 500 PARTS PER MILLION SHALL NOT BE USED.
    - NO SOD OR SEED SHALL BE PLACED ON SOIL WHICH HAS BEEN TREATED WITH SOIL STERILANTS OR CHEMICALS USED FOR WEED CONTROL UNTIL SUFFICIENT TIME HAS ELAPSED (14 DAYS MIN.) TO PERMIT DISAPPEARANCE OF PHYTO-TOXIC MATERIALS.
  - PLACE TOPSOIL (IF REQUIRED) AND APPLY SOIL AMENDMENTS AS SPECIFIED IN 20.0 VEGETATIVE STABILIZATION - SECTION I - VEGETATIVE STABILIZATION METHODS AND MATERIALS.

#### TEMPORARY SEEDING NOTES

APPLY TO GRADED OR CLEARED AREAS LIKELY TO BE REDISTURBED WHERE A SHORT-TERM VEGETATIVE COVER IS NEEDED.

SEEDBED PREPARATION: LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISKING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING, FOR NOT PREVIOUSLY LOOSED.

SOIL AMENDMENTS: IN LIEU OF SOIL TEST RECOMMENDATIONS, USE ONE OF THE FOLLOWING SCHEDULES:

- PREFERRED - APPLY 2 TONS PER ACRE KENES DOLOMITE LIMESTONE (92 LBS./1000 SQ.FT.) AND 800 LBS. PER ACRE 10-10-10 FERTILIZER (14 LBS./1000 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 (9 LBS./1000 SQ.FT.).
- ACCEPTABLE - APPLY 2 TONS PER ACRE DOLOMITE LIMESTONE (92 LBS./1000 SQ.FT.) AND 1000 LBS. PER ACRE 10-10-10 FERTILIZER (23 LBS./1000 SQ.FT.) BEFORE SEEDING. HARROW OR DISK 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. PER ACRE 1.4 LBS./1000 SQ.FT.) OF 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. PER 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 WEED FREE SMALL GRASS 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 8 FEET OR HIGHER, USE 348 GAL PER ACRE (8 GAL/1000 SQ.FT.) FOR ANCHORING.

MAINTENANCE - INSPECT ALL SEEDING AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDINGS.

#### TEMPORARY SEEDING NOTES

APPLY TO GRADED OR CLEARED AREAS LIKELY TO BE REDISTURBED WHERE A SHORT-TERM VEGETATIVE COVER IS NEEDED.

SEEDBED PREPARATION: LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISKING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING, FOR NOT PREVIOUSLY LOOSED.

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 NOVEMBER 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 WEED FREE SMALL GRASS 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 8 FEET OR HIGHER, USE 348 GAL PER ACRE (8 GAL/1000 SQ.FT.) FOR ANCHORING.

REFER TO THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR ADDITIONAL RATES AND METHODS NOT COVERED.

#### STANDARD SEDIMENT CONTROL NOTES

- A MINIMUM OF 48 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS, SEDIMENT CONTROL DIVISION PRIOR TO THE START OF ANY CONSTRUCTION, (413-1855).
- ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE MOST CURRENT "MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL", AND REVISIONS THERETO.
- FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN: A) 7 QUENAR DAY DAYS FOR ALL PERMETER SEDIMENT CONTROL STRUCTURES, DIKES, PERMETER SLOPES AND ALL SLOPES GREATER THAN 3:1, B) 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS (1) OF THE PROJECT SITE.
- ALL SEDIMENT TRAPS/BASINS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERMETER 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 1991 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL (PERMANENT SEEDING (SEC.5), SOD (SEC. 5A), TEMPORARY SEEDING (SEC.5B) AND MULCHING (SEC.5C). 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 PERMITS FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- SITE ANALYSIS:

TOTAL AREA OF SITE:	1.13 ACRES
AREA DISTURBED:	0.60 ACRES
AREA TO BE ROCKED OR PAVED:	0.12 ACRES
AREA TO BE VEGETATIVELY STABILIZED:	0.48 ACRES
TOTAL CUT:	1300 CU. YDS.
TOTAL FILL:	1500 CU. YDS.
TOTAL WASTE/BORROW AREA LOCATION:	N/A

THESE QUANTITIES ARE FOR PERMIT PURPOSES ONLY. CONTRACTOR IS REQUIRED TO PROVIDE HIS OWN QUANTITY MEASUREMENTS.

NOTE: TOPSOIL SUBSTITUTES OR AMENDMENTS, AS RECOMMENDED BY A QUALIFIED AGRONOMIST OR SOIL SCIENTIST AND APPROVED BY THE APPROPRIATE APPROVAL AUTHORITY, MAY BE USED IN LIEU OF NATURAL TOPSOIL.

- PLACE TOPSOIL (IF REQUIRED) AND APPLY SOIL AMENDMENTS AS SPECIFIED IN 20.0 VEGETATIVE STABILIZATION - SECTION I - VEGETATIVE STABILIZATION METHODS AND MATERIALS.

### SOILS DESCRIPTION

SYMBOL	DESCRIPTION
MIC2	MANOR LOAM, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS  
Bryan for Peter Zsileman 4/9/07  
HOWARD COUNTY HEALTH OFFICER DATE

DEVELOPER  
SHAHEARTH, L.C.  
6820 ELM STREET, SUITE 102  
MCLEAN, VIRGINIA 22101  
(703)-734-9730  
BUILDER  
CRAFTMARK HOMES  
6820 ELM STREET, SUITE 102  
MCLEAN, VIRGINIA 22101  
(703)-287-0582

**HARMS**  
ENGINEERS • PLANNERS • SURVEYORS  
41 EAST SAINTS STREET, SUITE 210, FREDERICK, MARYLAND 21701  
Office: 301/631-6931 FAX: 301/631-6939

NO.	REVISION	BY	DATE
1	ADD WELLS 23 & 24 TO SEPTIC WELL PLAN	SD	3/17/07
2	REVISE WELL LOCATION AND SIZES	SD	3/12/07
3	SHOW SEPTIC TANK AND SEPTIC LINE PLAN	SD	3/17/07

**SADDLEBROOK FARMS, LOT 6**  
10161 SADDLEBROOK FARM TRAIL  
PLOT PLAN / PERC CERT PLAN  
TAX MAP 11 - PARCEL 19 - BLOCK 13  
THIRD ELECTION DISTRICT HOWARD COUNTY, MARYLAND

DESIGNED BY: SD  
DRAWN BY: SIN  
CHECKED BY: MSC  
DATE: JAN 2007  
W.O. NO. 08-05-013A

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