	a la (ki) man		
LAYOUT 6/2	107 (K) INSP 4		
INSP 2 $\frac{7/2}{10}$	log (KW) INSP 6		
INSP 3 7/3			D 52(705
ISSUE DATE:	<u>5/15/2007</u> P	ERMIT	P 526705
APPROVAL DAT	E: 7/6/07 Log	ged Info Permit	Manager A 516525
	ON-SITE SEWA	ED # 03-347605	
		GE DISPOSAL SISI TY HEALTH DEPARTMI	ENT
	BUREAU OF EN	VIRONMENTAL HEALT	ΤH
Stratford LC -Shale	ehearth LC	IS PERMITTED TO	INSTALL 🛛 ALTER 🗌
ADDRESS: 13	55 Beverly Rd, Ste 240, McLea	an VA 22101 PHONE NUM	BER:
SUBDIVISION:	Saddlebrook Farm	LOT NUMBE	R: 6
ADDRESS: 10	161 Saddlebrook Farm Trail	PROPERTY OWNER:	Shalehearth L.C.
SEPTIC TANK CA	APACITY (GALLONS):	2000 OUTLET BAR	FLE FILTER REQUIRED 🗌
PUMP CHAMBER	CAPACITY (GALLONS):	N/A COMPARTME	ENTED TANK REQUIRED 🔀
NUMBER OF BEI	DROOMS:	5	
SQUARE FEET PI	ER BEDROOM:		
	TRENCH REQUIRED:	148	
LINEAR FEET OF			
TRENCHES:		e. Inlet 3.0 feet below origination in the set of the s	
	grade. 3.0 feet of stone b		
LOCATION:			
NOTES	Track a 11	1	1
NOTES:			directed by the heal prior to installation

NOTE: PERMIT VOID AFTER 2 YEARS

. . .

NOTE: CONTRACTOR RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS

NOTE: WATERTIGHT SEPTIC TANKS REQUIRED

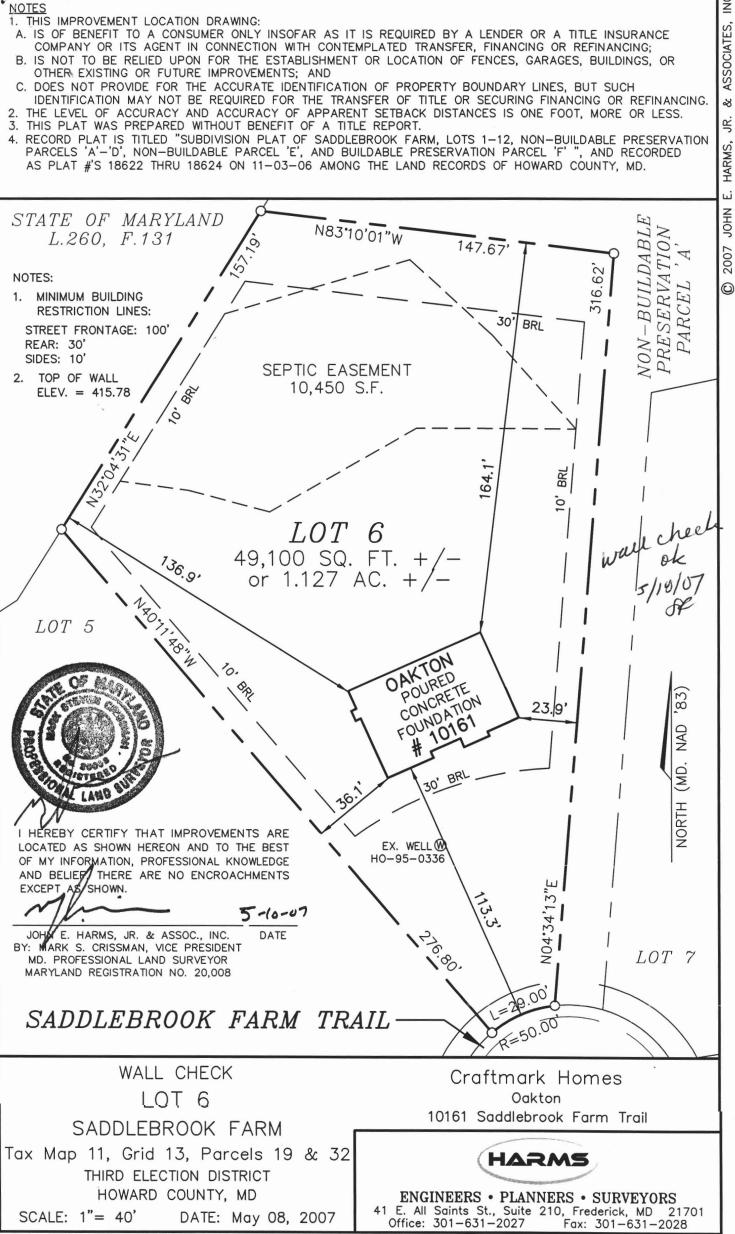
NOTE: ALL PARTS OF SEPTIC SYSTEM SHALL BE 100 FEET FROM ANY WATER WELL

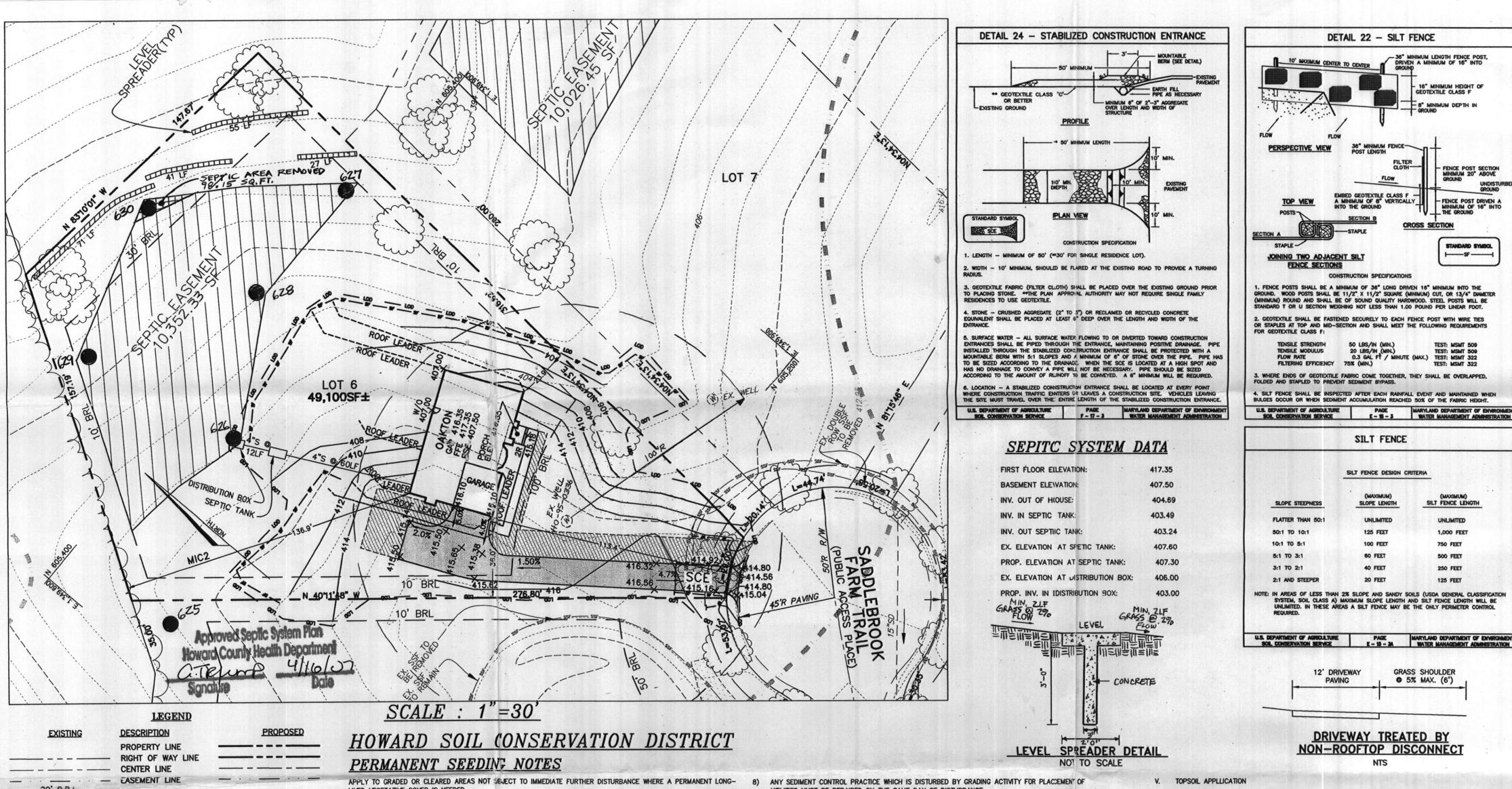
NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS UNLESS SPECIFICALLY AUTHORIZED

NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT CALL 410-313-1771 FOR INSPECTION OF SEPTIC SYSTEM

A 51652

Saddlebrook Well Burred ~120 Form Trail TRENCH/DRAINFIELD T TO SCALE BOTTOM WIDTH INLET R NUMBER OF TRENCHES TOTAL LENGTH ABSORPTION AREA 420 75W elo @ Herse DISTRIBUTION BOX LEVEL Leveler fell short DISTRIBUTION BOX BAFFLE Yes box needs to DISTRIBUTION BOX PORT Yes be level SEPTIC TANK DATA 50 SEPTIC TANK I LEVEL YS CAPACITY ZOOO GAL bylow 132 SEAM LOC Jop TANK LID DEPTH 32 - 36 BAFFLES Yes BAFFLE FILTER None MANHOLE LOC _ Ford 6" PORT LOC WATERTIGHT TEST NO SEPTIC TANK 2 LEVEL CAPACITY GAL SEAM LOC TANKLID DEPTH BAFFLES po BAFFLE FILTER MANHOLE LOC 6" PORT LOC ROAD WATERTIGHT TEST PRE-CONSTRUCTION 6/29/07 OK to in stall 2x75' on conterr @ at SDA. Keep D box @ Wighest point. Left side INSTALLATION ST. set along w/ phontong from house. Ku 60' made. Top teach due and stendel. 7/2/07 set. more feed 10 of trach. Scionel top treach 45 @ least OK to cover 1P.Go KW 7/3/07 come up with Jank . Only RA water to facel Dbox. A trench. Not enough J. R. and house connection make FINAL INSPECTOR B. Baber DATE OF APPROVAL 7/6/07





20' B.R.L - BLDG. RESTRICTION LINE EX. 15" SD ____ STORM DRAIN & MH EX. 8" S _____ SEWER LINE & MH EX. 8" W _____ WATER LINE & MH PIPE/GUTTER FLOW DIRECTION ------WATER VALVE # EX. WV EX. F.H. FIRE HYDRAN GAS LINE — G — — G — — ----- OHE ----- OVERHEAD LINE UTILITY POLE LIMIT OF DISTURBANCE _____ LOD _____ SILT FENCE _____ SF _____ SF _____ SUPER SILT FENCE EkB2 SOILS CLASSIFICATION/BOUNDARY STABILIZED CONSTRUCTION ENTRANCE CURB & GUTTER CONTOUR LINE x15650 SPOT ELEVATION , x156.50 STREET SIGN STREET LIGHTING TREES PAVING PASSED PERC HOLE GRASS SHOULDER 9 5% MAX FOR NON-**ROOFTOP DISCONNECT** OWNERS/DEVELOPERS CERTIFICATION "I/WE HEREBY CERTIFY THAT ANY CLEARING, GRADING, CONSTRUCTION AND/OR DEVELOPMENT WILL BE DONE PURSUANT TO THIS PLAN 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 OF THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE NATURAL SERVICE CONSERVATION SERVICE. 2/2/07 Schweber Allan PRINTED NAME OF OWNER/DEVELOPER DESIGN CERTIFICATE CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRATICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE NATURAL RESOURCE CONSERVATION SERVICE. JOHN E. HARMS JR. & ASSOCIATES, INC. 2-1-07 IGNATURE OF DESIGN PROFESSIONA MARK S. CRISSMAL PRINTED NAME OF DESIGN PROFESSIONAL THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS. d/8/0-

LIVED VEGETATIVE COVER IS NEEDED.

- SEEDBED PREPARATION: LOOSEN UPPER THRE INCHES OF SOIL BY RAKING , DISKING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING, IF NOT PREVIOUSLY LOOSEND. SOIL AMENDMENTS: IN LIEU OF SOIL TEST REOMMENDATIONS, USE ONE OF THE FOLLOWING SCHEDULES:
- 1) PREFERRED APPLY 2 TONS PER ICRES DOLOMITIC LIMESTONE (92 LBS/1000 SQ.FT.)
- AND 600 LBS. PER ACRE 10-10-1 FERTILIZER (14 LBS/1000 SQ.FT.) BEFORE SEEDING. HARROW OR DISK INTO UPPER THEE INCHES OF SOIL. AT TIME OF SEEDING , APPLY
- 400 LBS. PER ACRE 30-0-0 UREFORM FERTILIZER (9 LBS./1000 SQ.FT.).
- 2) ACCEPTABLE APPLY 2 TONS PELACRE DOLOMITIC LIMESTONE (92 LBS./1000 SQ.FT.) AND 1000 LBS. PER ACRE 0-10-10 FERTILIZER (23 LBS./1000 SQ.FT.) BEFORE

SEEDING. HARROW OR DISK INTO PPER 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 LOBS. 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 TONE/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 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 NCHES OF SOIL BY RAKING, DISKING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING, FOR 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 3(AND FROM AUGUST 15 THRU OCTOBER 15, SEED WITH 2-1/2 BUSHEL PER ACRE OF ANNUAL RYE (3.2 LBS./1010 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 GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MILCH 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 SIFT.) FOR ANCHORING. REFER TO THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND

SEDIMENT CONTROL FOR ADDITIONAL RATES AND IETHODS NOT COVERED.

STANDARD SEDIMENT CONTROL NOTES

- 1) A MINIMUM OF 48 HOURS NOTICE MUST BE GVEN TO THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS, SEDIMENT CONTROL DIVISION PRIOR TO THE START OF MAY CONSTRUCTION, (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 MOST CURRENT "MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL", AND REVISIONS THERETO.
- 3) FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, 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.
- 4) 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.
- 5) 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 FOR PERMANENT SEEDING (SEC.51), SOD (SEC. 54), TEMPORARY SEEDING (SEC. 50) AND MULCHING (SEC.52). 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:

ITE ANALYSIS:		
TOTAL AREA OF SITE:	1.13	ACRES
AREA DISTURBED:	0.60	ACRES
AREA TO BE ROOFED OR PAVED:	0.12	ACRES
AREA TO BE VEGITATIVELY STABILIZED:	0.48	ACRES
TOTAL CUT:	1300	CU. YDS.
TOTAL FILL:	1300	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 ..

- UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.
- 9) ADDITIONAL SEDIMENT CONTROL MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWWARD COUNTY 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 GRADINGG. 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 THREE PIPE LENGTHS OR THAT WHICH CAN

BE BACK FILLED AND STABILIZED WITHIN ONE WORKING DAY, WHICHEVER IS SHORTER.

STANDARD AND SPECIFICATIONS FOR TOPSOIL DEFINITION

PLACEMENT OF TOPSOIL OVER A PREPARED SUBSOIL PRIOR TO ESTABLISHMENT OF PERMAANENT VEGETATION. PURPOSE

TO PROVIDE A SUITABLE SOIL MEDIUM FOR VEGETATIVE GROWTH. SOILS OF CONCERN HAVEE LOW MOISTURE CONTENT,

LOW NUTRIENT LEVELS, LOW pH, MATERIALS TOXIC TO PLANTS, AND/OR UNACCEPTABLE SOOIL 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 TCO PRODUCE VEGETATIVE GROWTH
- b. THE SOIL MATERIAL IS SO SHALLOW THAT THE ROOTING ZONE IS NOT DEEP ENOLUGH TO SUPPORT PLANTS
- OR FURNISH CONTINUING SUPPLIES OF MOISTURE AND PLANT NUTRIENTS. C. THE ORIGINAL SOIL TO BE VEGETATED CONTAINS MATERIAL TOXIC TO PLANT GROWNTH.
- d. THE SOIL IS SO ACIDIC THAT TREATMENT WITH LIMESTONE IS NOT FEASIBLE.

II. FOR THE PURPOSE OF THESE STANDARDS AND SPECIFICATIONS, AREAS HAVING SLOPPES STEPER THAN 2:1 REQUIRE SPECIAL CONSIDERATION AND DESIGN FOR ADEQUATE STABILIZATION. ARE/AS 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 TANDARDS AS SET FORTH IN THESE SPECIFICATION. TYPICALLY, THE DEPTH OF TOPSOIL TO BE SALVAGED FOF A GIVEN SOIL TYPE CAN BE FOUND IN THE REPRESENTATIVE SOIL PROFILE SECTION IN THE SOIL SURVEY UBLISHED BY USDA-SCS IN COOPERATION WITH MARYLAND AGRICULTURAL EXPERIMENTAL STATION. II. TOPSOIL SPECIFICATIONS - SOIL TO BE USED AS TOPSOIL MUST MEET THE FOLLOWING:

- TOPSOIL SHALL BE A LOAM, SANDY LOAM, CLAY LOAM, SILT LOAM, SANDY CLAAY LOAM, LOAMY SAND. OTHER SOILS MAY BE USED IF RECOMMENDED BY AN AGRONOMIST OR SOIL SCCIENTIS' AND APPROVED BY THE APPROPRIATE APPROVAL AUTHORITY. REGARDLESS, TOPSOIL SHALL NOT BE A MIXTURE OF CON-TRASTING TEXTURED SUBSOILS AND SHALL CONTAIN LESS THAN 5% BY VOLUMIE OF ONDERS, STONES, SLAG, COARSE FRAGMENTS, GRAVEL, STICKS, ROOTS, TRASH, OR OTHER MATERIALS LLARGER THAN 1 1/2" IN
- II. TOPSOIL MUST BE FREE OF PLANTS OR PLANT PARTS SUCH AS BERMUDA GRAASS, QUACKGRASS, JOHNSON-SON GRASS, NUTSEDGE, POISON IVY, THISTLE, OR OTHERS AS SPECIFIED.
- iii. WHERE THE SUBSOIL IS EITHER HIGHLY ACIDIC OR COMPOSED OF HEAVY CLAYSS, 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.
- III. FOR SITES HAVING DISTURBED AREAS UNDER 5 ACRES:
- PLACE TOPSOIL (IF REQUIRED) AND APPLY SOIL AMENDMENTS AS SPECIFIED IN | 20.0 VEGETATIVE STABILIZATION - SECTION I - VEGETATIVE STABILIZATION METHODS AND MATERRIALS. IV. FOR SITES HAVING DISTURBED AREAS OVER 5 ACRES:
 - ON SOIL MEETING TOPSOIL SPECIFICATIONS, OBTAIN TEST RESULTS DICTATING FFERTILIZER AND LIME
 - AMENDMENTS REQUIRED TO BRING THE SOIL INTO COMPLIANCE WITH THE FOLLCOWING: a. ph for topsoils shall be between 6.0 and 7.5. If the tested soill demonstrates a ph of
 - LESS THAN 6.0, SUFFICIENT LIME SHALL BE PERSCRIBED TO RAISE THE pbH TO 6.5 OR HIGHER.
 - b. ORGANIC CONTENT OF TOPSOIL SHALL BE NOT LESS THAN 1.5 PERCENT BBY WEIGHT. C. TOPSOIL HAVING SOLUBLE SALT CONTENT GREATER THAN 500 PARTS PER? MILLION SHALL NOT BE USED.
 - d. 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 ELAPSEED (14 DAYS MIN.) TO PERMIT DISSIPATION OF PHYTO-TOXIC MATERIALS.
- NOTE: TOPSOIL SUBSTITUTES OR AMENDMENTS, AS RECOMMENDED BY A QUALIFIEED AGRONOMIST OR SOIL SCIENTIST AND APPROVED BY THE APPROPRIATE APPROVAL AUTHORITY, MAY BE USED IN LIEU OF NATURAL TOPSOIL.
- II. PLACE TOPSOIL (IF REQUIRED) AND APPLY SOIL AMENDMENTS AS SPECIFIED IN 1 20.0 VEGETATIVE STABILIZATION - SECTION I - VEGETATIVE STABILIZATION METHODS AND MATERIALS.

WHEN TOPSOILING, MAINTAIN NEEDED EROSION AND SEDIMENT CONTROL PRACTICES SUCH AS DIVERSIONS. ES, EARTH DIKES, SLOPE SILT FENCE AND SEDIMENT TRAPS AND BASING ii. GRADES ON THE AREAS TO BE TOPSOILED, WHICH HAVE BEEN PREVIOUSLY ESTABLISHED, SHALL BE

- FENCE POST SECTION MINIMUM 20" ABOVE GROUND

FENCE POST DRIVEN

STANDARD SYMBOL F-22

LT FENCE LENGTH

UNLIMITED

1.000 FEET

750 FEET

500 FEET

250 FEET

125 FEET

- MAINTAINED, ALBEIT 4" 8" HIGHER IN ELEVATION. iii. TOPSOIL SHALL BE UNIFORMLY DISTRIBUTED IN A 4" TO 8" LAYER AND LIGHTLY COMPACTED TO A MINIMUM THICKNESS OF 4". SPREADING SHALL BE PERFORMED IN SUCH A MANNER THAT SODDING OR SEEDING CAN PROCEED WITH A MINIMUM OF ADDITIONAL SOIL PREPARATION AND TILLAGE. ANY IRREGULARITIES IN THE SURFACE RESULTING FROM TOPSOILING OR OTHER OPERATIONS SHALL BE CORRECTED IN ORDER TO PREVENT THE FORMATION OF DEPRESSIONS OR WATER POCKETS.
- IV. TOPSOIL SHALL NOT BE PLACED WHILE THE TOPSOIL OR SUBSOIL IS IN A FROZEN OR MUDDY CONDITION, WHEN THE SUBSOIL IS EXCESSIVELY WET OR IN A CONDITION THAT MAY OTHERWISE BE DETRIMENTAL TO PROPER GRADING AND SEEDBED PREPARATION.

VI. ALTERNATIVE FOR PERMANENT SEEDING - INSTEAD OF APPLYING THE FULL AMOUNTS OF LIME AND COMMERCIAL FERTILIZER, COMPOSTED SLUDGE AND AMENDMENTS MAY BE APPLIED AS SPECIFIED BELOW:

- I. COMPOSTED SLUDGE MATERIAL FOR USE AS A SOIL CONDITIONER FOR SITES HAVING DISTURBED AREAS OVER 5 ACRES SHALL BE TESTED TO PRESCRIBE AMENDMENTS AND FOR SITES HAVING AREAS UNDER 5
- ACRES SHALL CONFORM TO THE FOLLOWING REQUIREMENTS: a. COMPOSTED SLUDGE SHALL BE SUPPLIED BY, OR ORIGINATE FROM, A PERSON OR PERSONS WHO ARE PERMITTED (AT THE TIME OF ACQUISITION OF THE COMPOST) BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT UNDER COMAR 26.04.06.
- b. COMPOSTED SLUDGE SHALL CONTAIN AT LEASE 1 PERCENT NITROGEN, 1.5 PERCENT PHOSPHOURUS, AND 0.2 PERCENT POTASSIUM AND HAVE A Ph OF 7.0 TO 8.0. IF COMPOST DOES NOT MEET THESE REQUIREMENTS, THE APPROPRIATE CONSTITUENTS MUST BE ADDED TO MEET THE REQUIREMENTS PRIOR TO USE. C. COMPOSTED SLUDGE SHALL BE APPLIED AT A RATE OF 1 TON/1,000 SQUARE FEET.
- IV. COMPOSTED SLUDGE SHALL BE AMENDED WITH A POTASSIUM FERTILLIZER APPLIED AT THE RATE OF 4 LB/1,000 SQUARE FEET, AND 1/3 THE NORMAL LIME APPLICATION RATE.

REFERENCES: GUIDELINE SPECIFICATIONS, SOIL PREPARATION AND SODDING. MD-VA, PUB. #1, COOPERATIVE EXTENSION SERVICE, UNIVERSITY OF MARYLAND AND VIRGINIA POLYTECHNIC INSTITUTES. REVISED 1973.

TEMPORARY DUST CONTROL MEASURES

1. MULCHES - SEE STANDARDS FOR VEGETATIVE STABILIZATION WITH MULCHES ONLY. MULCH SHOULD B CRIMPED OR TACKED TO PREVENT BLOWING.

- 2. VEGETATIVE COVER SEE STANDARDS FOR TEMPORARY VEGETATIVE COVER. 3. TILLAGE - TO ROUGHTN 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 O
- SITE. CHISEL-TYPE PLOWS APCED 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.

BARRIERS - SOLID BOARD FENCES, SILT FENCES, SNOW FENCES, BURLAP FENCES, STRAW BALES, AN SIMILAR MATERIAL CAN BE USED TO CONTROL AIR CURRENTS AND SOIL BLOWING. BARRIERS PLACED AT RIGHT ANGLES TO PREVAILING CURRENTS AT INTERVALT OF ABOUT 10 TIMES THEIR HEIGHT ARE EFFECTIVE IN CONTROLLING SOIL BLOWING.

- 6. CALCIUM CHLORIDE APPLY AT RATES THAT WILL KEEP SURFACE MOIST. MAY NEED RETREATMENT. SEQUENCE OF CONSTRUCTION
- 1. OBTAIN GRADING PERMIT
- 2. CONSTRUCT STABILIZED CONSTRUCTION ENTRANCES AT LOCATIONS SHOWN AND CONSTRUCT SILT FENCE. (1 DAY)
- 3. COMPLETE CONSTRUCTION AS SHOWN. (160 DAYS)
- 4. COMPLETE FINE GRADING OF SITE TO GRADES INDICATED. (1 DAY)
- 5. SEED AND MULCH ALL REMAINING DISTURBED AREAS. (1 DAY)
- 6. UPON STABILIZATION OF THE SITE AND WITH THE APPROVAL OF THE SEDIMENT CONTROL INSPECTOR, REMOVE SEDIMENT CONTROL DEVICES AND STABILIZE REMAINING DISTURBED AREAS. (7 DAYS)

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

	X//		
	NICINITY MAP BOLLE: 1"- 2007	SS	ERS • PLANNERS • SURVEYORS REET, SUITE 210, FREDERICK, MARYLAND 21701 1/631-2027 FAX: 301/631-2028
GENERAL JOT	ES		STR
1. TAX MAP: 11, ARCEL:	19, BLOCK: 13, LOT 6		SAI
ELECTION DISTRIT: THE ZONING: RC-DE. DEED REFRENCE 8920, DPZ FILES: F-6-042,	/421. SP-03-10. WP-03-148.		ST ALL
LOT AREA: 49,00 SQ.F 2. SUBJECT PROPRTY ZO	FT. OR 1.13 ACRES± ONED RC-DEO PER THE 02/02/2004 COMPREHENSIVE ZONING PLAN.		41 EAST
CONTROL STATINS NO.			5
STA NO. 46EB= N 598	995.112, E 1,345,340.402 ELEV=442.707 ,435.251, E 1,348,615.251 ELEV=509.178	DATE 317 log 312 log	12/2
TOPOGRAPHIC SIRVEY	IOWN HEREON IS BASED ON ROAD PLANS FILED UNDER F-06-042 AND A FIELD RU CONDUCTED IN FEBRUARY 2002 BY FSH ASSOCIATES. BOUNDARY SHOWN HEREON MONUMENTED BOUNDARY SURVEY PERFORMED ON OR ABOUT FEBRUARY 2002 BY		20
5. ALL AREAS AR MORE 6. THIS SUBDIVISION IS NO	OT IN THE METROPOLITAN DISTRICT, PRIVATE WELL AND SEPTIC SYSTEMS WILL BE U	3 3-1	N N
GROUNDWATER APPROP	RIATION PERMIT NUMBER: H02005G009(01). SOME OF THE WELLS ARE KNOWN TO HA AND/OR GROSS BETA ABOVE CURRENT EPA STANDARDS AND WILL REQUIRE API USE AND OCCUPANCY.	PROPRIATE	AREA
SCENIC ROAD.	D, OR HISTORIC STRUCTURES EXIST ON-SITE. SITE IS NOT ADJACENT TO A DESIG	S S S S	EL PL
COUNTY CODE IND THE	PREPARED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 16.124 OF THE HOW. E LANDSCAPE MANUAL. FINANCIAL SURETY FOR THE REQUIRED LANDSCAPING (81 SI B) HAS BEEN POSTED AS PART OF THE DPW DEVELOPERS AGREEMENT IN THE AMO 16-42.	SHADE DUNT OF	TOVED CELAB
9. WETLAND AND IOREST	STAND DELINEATIONS PREPARED BY EXPLORATION RESEARCH, INC. AND APPROVED DS, STREAMS, THEIR BUFFERS, FLOODPLAIN, SLOPES 15% OR GREATER, OR 65dBA M	UNDER NOISE LINE	T OC
10. FOREST CONSERVATION FOREST CONSERVATION REFORESTATION OF 1.17	OBLIGATIONS IN ACCORDANCE WITH SECTION 16,1200 OF THE HOWARD COUNTY CO ACT FOR THIS SUBDIVISION HAS BEEN FULFILLED BY RETENTION OF 4.71 ACRES A ACRES. FINANCIAL SURETY FOR THE ON-SITE RETENTION OF 4.71 ACRES (205,16)	AND T	M .
SQ.FT.) IN THE AMOUNT \$25,482.60 HAS BEEN I UNDER F-06-042.	OF \$41,033.52 AND REFORESTATION OF 1.17 ACRES (50,965.2 SQ.FT.) IN THE AM POSTED AS PART OF THE DPW DEVELOPERS AGREEMENT IN THE AMOUNT OF \$66,5	MOUNT OF 516.12.	Ó
A) WIDTH=12 FIET (14 B) SURFACE= 6 INCHES C) GEOMETRY= MAXIMU D) STRUCTURES (CULVE E) DRAINAGE EASEMENT OVER DRIVEWAY SURI			13 MARYLAN
F) STRUCTURE CLEARAN G) MAINTENANCE- SUFT 12. STORMWATER WANAGEM AND Rev HAS BEEN PR AND MAINTAIND BY TH	NCESMINIMUM 12 FEET FICIENT TO ENSURE ALL WEATHER USE. ENT REQUIREMENTS FOR CPV HAVE BEEN PROVIDED IN A SURFACE SAND FILTER FA OVIDED FOR IN GRASS SWALES. THE SURFACE SAND FILTER FACILITY IS PRIVATELY THE HOMEOWNERS ASSOCIATION. WOY FOR LOT 1 HAS BEEN PROVIDED FOR BY A DE	TY OWNED SWALE.	BLOCK NTY,
13. THIS PLAN IS UBJECT AMENDED UNDR COUNC SETBACK ANDBUFFER I	11 HAS BEEN PROVIDED FOR BY SHEET FLOW TO BUFFER, ROOFTOP DISCONNECTS JECTS, ALL TO BE PRIVATELY OWNED AND MAINTAINED. WQV FOR LOTS 2-5, 10 & A SURFACE SAND FILTER FACILITY. TO THE FIFTH EDITION OF THE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS CIL BILL NO. 75-2003. DEVELOPMENT OR CONSTRUCTION ON THIS LOT MUST COMI REGULATIONS IN EFFECT AT THE TIME OF SUBMISSION OF THE BUILDING AND GRAD	AND & 12 HAVE S AS IPLY WITH INC	Cou
PERMITS. 14. THIS LOT SHON HEREO	ON COMPLIES WITH THE MINIMUM OWNERSHIP, WIDTH, AND LOT AREA AS REQUIRED RTMENT OF THE ENVIRONMENT.		19 WARD
15. THISAREA DE MAFLAND ST 26.04.03). IRROVEMEN THESE EASEMITS SHAL COUNTY HEALI OFFICE	ESIGNATES A PRIVATE SEWAGE EASEMENT OF AT LEAST 10,000 SQ.FT. AS REQUIRED TATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL (CON NTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS A LL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE STEM. R SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE		0
	ON OF THE MODIFIED SEWAGE EASEMENT SHALL NOT BE NECESSARY. OR CONSTRUCTION IS PERMITTED WITHIN WETLANDS, STREAMS, OR THEIR REQUIRED	AVAILABLE. THE NOR	3 ^a 5
EXCAVATION TRK:	L NOTIFY THE FOLLOWING UTILITY AGENCIES AT LEAST FIVE(5) DAYS PRIOR TO ANY	RO	- ISTRI
MISS UTILITY BE C&P TELEPHC COMPA HO. CO. BURU OF UT AT&T CABLE CATION BALTIMORE G & ELEC STATE HIGHW ADMINIS HO. CO. DEPTOF PUBLI	ILITIES: 410-313-4900 DIVISION: 410-393-3533 CTRIC 410-685-0123 STRATION: 410-531-5533 IC WORKS/	EBF 161 S	MAP 11 TION DI
SETBACKS, PICHES OR REAR YARD STBACK.	ECTION 128 OF THE HOWARD COUNTY ZONING REGUALTIONS, BAY WINDOWS, CHIMNE OT MORE THAN 16 FEET IN WIDTH MAY PROJECT NOT MORE THAN 4 FEET INTO AN R DECKS, OPEN OR ENCLOSED MAY PROJECT NOT MORE THAN 10 FEET INTO THE F	IEYS OR NY FRONT OR	TAX ELEC
20. ARTICLES OF CORPORA	ALL BE CONSTRUCTED IN ACCRODANCE WITH HOWARD COUNTY STANDARD R-6.06. ATION FOR THE HOMEOWNERS ASSOCIATION WERE ACCEPTED BY THE STATE DEPART TION ON APRIL 5, 2006, INCORPORATION NUMBER D11219797.		THIRD
21. THIS PROJEC'S SUBJEC APPROVED A AIVER FR INTO EXISTINCAVEY LA	CT TO WAIVER PETITION WP-03-148 IN WHICH ON JULY 11, 2003 THE PLANNING D ROM SECTION 16.119(e)(5) TO ALLOW THE PROPOSED RIGHT OF WAY OF CAVEY LAN ANE WITHOUT THE REQUIRED 25 FEET TRUNCATIONS ON EITHER SIDE OF THE RIGHT	NE TO TIE T OF WAY.	
HAS PERMISSN TO USE LOTS INCLUDI; THE OP	LEHEARTH, L.C. (ELM STREET DEVELOPMENT) DATED JANUARY 3, 2007, CRAFTMAR E SEDIMENT CONTROLS INSTALLED UNDER F-06-042 AND PERMISSION TO GRADE O YEN SPACE / NON-BUILDABLE LOTS / PARCEL.	ON ALL DRAWN BY:	SJD SIN
HARMS POFESS	HOLES SHOWN AS PER PERC CERT DISCOVER	CHECKED BY:	MSC N 2007
ON TIZIO3.	HOLES SHOWN AS PER PERC CERT PLAN SIGNED	W.O. NO	
.	DEVELOPE	R	-
	SHALEHEARTH, L 6820 ELM STREET, SUITE	L.C. 5 102	-
	FOR PRIVATE WATER VATE SEWERAGE SYSTEMS BUILDER		
BNWen for	CRAFTMARK HOM 6820 ELM STREET, SUITE MCLEAN, VIRGINIA 221	1 OF 1 OF 1 OF	
HOWARD VC	ONNTY HEALTH OFFICER DATE (703)-287-0582		

MOD

GP-07-50