| LAYOUT 7/25/07 INSP4 | _ | | | |
|---|-----------------------------------|--|--|--|
| INSP 2 INSP 5 | _ | | | |
| INSP 3 INSP 6 | T v. | | | |
| ISSUE DATE: 05/15/2007 Logged Into terms | Manager P 526704 | | | |
| APPROVAL DATE: 7/26/07 | A 516525 | | | |
| TAX ID # 03-347591 | | | | |
| ON-SITE SEWAGE DISPOSAL SY HOWARD COUNTY HEALTH DEPART | | | | |
| BUREAU OF ENVIRONMENTAL HEA | | | | |
| | | | | |
| Stratford, LC - Craftmark Homes, Inc IS PERMITTED T | O INSTALL ALTER | | | |
| ADDRESS: 6820 Elm St, Ste 102, McLean VA PHONE N | UMBER: <u>703–748–5877</u> | | | |
| SUBDIVISION: Saddlebrook Farm 22101 LOT NUM | IBER: 5 | | | |
| ADDRESS: 10157 Saddlebrook Farm Trail PROPERTY OWN | ER: Shalehearth LC | | | |
| SEPTIC TANK CAPACITY (GALLONS): 2000 OUTLET | BAFFLE FILTER REQUIRED | | | |
| PUMP CHAMBER CAPACITY (GALLONS): N/A COMPAR | TMENTED TANK REQUIRED ☑ | | | |
| NUMBER OF BEDROOMS: 4 | | | | |
| SQUARE FEET PER BEDROOM: | | | | |
| LINEAR FEET OF TRENCH REQUIRED: 167 | | | | |
| TRENCHES: Trench to be 3.0 feet wide. Inlet 3.0 feet below ori | | | | |
| depth 5.5 feet below original grade. Effective area grade. 2.5 feet of stone below distribution pipe. | begins at 5.0 feet below original | | | |
| LOCATION: | | | | |
| | | | | |
| NOTES: | | | | |
| | | | | |
| PLANS APPROVED: Ashley Trump | DATE: 03/15/2007 | | | |
| 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

| NOT TO SCALE 701 571 231 H11 10.51 | TRENCH/DRAINFIELD DATA WIDTH INLET BOTTOM 3' 3-3.5' 5.5-6' NUMBER OF TRENCHES 3 TOTAL LENGTH 168' ABSORPTION AREA 504 SIDEM DISTRIBUTION BOX LEVEL LEVEL DISTRIBUTION BOX BAFFLE SIDEM DISTRIBUTION BOX PORT Yes |
|---|---|
| 73' 57' 78' 22' 53' 10' 9 10' 9 72' 57' ROAD ROAD | SEPTIC TANK DATA SEPTIC TANK 1 LEVEL CAPACITY 2000 GAL SEAM LOC TOP TANK LID DEPTH 1.5-2.5 BAFFLES BAFFLE FILTER NO MANHOLE LOC Front 6" PORT LOC WATERTIGHT TEST NO SEPTIC TANK 2 LEVEL NA CAPACITY GAL SEAM LOC TANK LID DEPTH BAFFLES BAFFLES BAFFLE FILTER MANHOLE LOC 6" PORT LOC WATERTIGHT TEST |
| PRE-CONSTRUCTION 7/25/07 Set dist, box per | plan and install |
| a 40; 60' and 70' trench on contour | across the very |
| 1/26/07 Dystem finished, O.K. to b | acpfill (BB) |
| | |
| | |
| | |
| | |
| FINAL INSPECTOR B, Baker DATE OF A | PPROVAL 7/26/2007 |

ZONING: RC-DEO.

COORDINATES BASED ON NAD '83 MARYLAND COORDINATE SYSTEM AS PROJECTED BY HOWARD COUNTY GEODETIC CONTROL STATIONS NO. 101A & 17AB.

STA NO. 46EB= N 598,435.251, E 1,348,615.251 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

5. 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: HO2005G009(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

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

10. FOREST CONSERY. NON OBLIGATIONS IN ACCORDANCE WITH SECTION 16,1200 OF THE HOWARD COUNTY CODE AND FOREST CONSERVADON ACT FOR THIS SUBDITISION HAS BEEN FULFILLED BY RETENTION OF 1.71 REFORESTATION C 1.17 ACRES. FINANCIAL SURETY FOR THE ON-SITE RETENTION OF 4.71 ACRES (205,167.6 SQ.FT.) IN THE AHOUNT OF \$41,033.52 AND REFORESTATION OF 1.17 ACRES (50,965.2 SQ.FT.) IN THE AMOUNT OF 5,482,60 has been posted as part of the DPW developers agreement in the amount of \$66,516.12.

11. DRIVEWAYS SHALL BE PROVIDED PRIOR TO RESIDENTIAL OCCUPANCY TO ENSURE SAFE ACCESS FOR FIRE AND

A) WDTH=12 FEET (14 FEET SERVING MORE THAN ONE RESIDENT)

D) STRUCTURES (CULVERT/BRIDGES) - CAPABLE OF SUPPORTING 25 GROSS TONS (H25 LOADING) 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.

12. STORMWATER MANAGEMENT REQUIREMENTS FOR CPV HAVE BEEN PROVIDED IN A SURFACE SAND FILTER FACILITY AND REV HAS 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. WQV FOR LOTS 6-9 & 11 HAS BEEN PROVIDED FOR BY SHEET FLOW TO BUFFER, ROOFTOP DISCONNECTS AND NON-ROOFTOP DISCONNECTS, ALL TO BE PRIVATELY OWNED AND MAINTAINED. WQV FOR LOTS 2-5, 10 & 12 HAVE BEEN PROVIDED FOR IN A SURFACE SAND FILTER FACILITY.

AMENDED UNDER COUNCIL 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

THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT OF AT LEAST 10,000 SQ.FT. AS REQUIRED BY THE

17. THE CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITY AGENCIES AT LEAST FIVE(5) DAYS PRIOR TO ANY

MISS UTILITY C&P TELEPHONE COMPANY: 410-725-9976 O. CO. BUREAU OF UTILITIES: 410-313-4900 AT&T CABLE LOCATION DIVISION: 410-393-3533 BALTIMORE GAS & ELECTRIC STATE HIGHWAY ADMINISTRATION: 410-531-5533 HO. CO. DEPT OF PUBLIC WORKS,

18. IN ACCORDANCE MITH SECTION 128 OF THE HOWARD COUNTY ZONING REGUALTIONS, 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

19. DRIVEWAY ENTRANCE SHALL BE CONSTRUCTED IN ACCRODANCE WITH HOWARD COUNTY STANDARD R-6.06.

21. 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(e)(5) TO ALLOW THE PROPOSED RIGHT OF WAY OF CAVEY LANE TO TIE

INTO EXISTING CAVEY LANE WITHOUT THE REQUIRED 25 FEET TRUNCATIONS ON EITHER SIDE OF THE RIGHT OF WAY

LOTS INCLUDING THE OPEN SPACE / NON-BUILDABLE LOTS / PARCEL

23, THE EXISTING WELL (TAG # HO-95-0335) HAS BEEN FIELD LOCATED BY

HARMS PROFESSIONAL LAND SURVEYOR AND IS ACCURATELY SHOWN.

DEVELOPER SHALEHEARTH, L.C. 6820 ELM STREET, SUITE 102 MCLEAN, VIRGINIA 22101 (703)-734-9730

DETAIL 24 - STABILIZED CONSTRUCTION ENTRANCE LOT 6 Ka. Tehn 3/28/27 45'R PAUNG 49.645SF±

* GEOTEXTILE CLASS 'C'-MINIMUM 6" OF 2"-3" AGGREGATE
OVER LENGTH AND WIDTH OF - EXISTING GROUND PROFILE STANDARD SYMBOL SCE J CONSTRUCTION SPECIFICATION LENGTH - MINIMUM OF 50' (*30' FOR SINGLE RESIDENCE LOT). . WIDTH - 10' MINIMUM, SHOULD BE FLATED AT THE EXISTING ROAD TO PROVIDE A TURNIN . GEOTEXTILE FABRIC (FILTER CLOTH) SHALL BE PLACED OVER THE EXISTING GROUND PRIOR 4. STONE - CRUSHED AGGREGATE (2° TO 3") OR RECLAIMED OR RECYCLED CONCRETE 5. SURFACE WATER - ALL SURFACE WATER FLOWING TO OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED THROUGH THE ENTRANCE, MAINTAINING POSITIVE DRAINAGE. PIPE INSTALLED THROUGH THE STABILIZED CONSTRUCTION ENTRANCE SHALL BE PROTECTED WITH A MOUNTABLE BERM WITH 5:1 SLOPES AND A MINIMUM OF 6" OF STONE OVER THE PIPE. PIPE I TO BE SIZED ACCORDING TO THE DRAINAGE. WHEN THE SCE IS LOCATED AT A HIGH SPOT AND HAS NO DRAINAGE TO CONVEY A PIPE WILL NO!T BE NECESSARY. PIPE SHOULD BE SIZED 3. LOCATION - A STABILIZED CONSTRUCTION ENTRANCE SHALL BE LOCATED AT EVERY POINT WHERE CONSTRUCTION TRAFFIC ENTERS OR LEAVES A CONSTRUCTION SITE. VEHICLES LEAVING THE SITE MUST TRAVEL OVER THE ENTIRE LENGTH OF THE STABILIZED CONSTRUCTION ENTRANCE U.S. DEPARTMENT OF AGRICULTURE PAGE MARYLAND DEPARTMENT OF ENVIRONMENT SOIL CONSERVATION SERVICE F-17-3 WATER MANAGEMENT ADMINISTRATION

SEPITC SYSTEM DATA

FIRST FLOOR ELEVATION: BASEMENT ELEVATION: INV. OUT OF HOUSE: INV. IN SEPTIC TANK: 412.65 INV. OUT SEPTIC TANK 412.40 417.00 PROP. ELEVATION AT SEPTIC TANK:

EX. ELEVATION AT SPETIC TANK: EX. ELEVATION AT DISTRIBUTION BOX: PROP. INV IN DISTRIBUTION BOX: 412.00

SCALE : 1"=30'

DESCRIPTION

CENTER LINE

WATER VALVE

FIRE HYDRAN

UTILITY POLE

SILT FENCE

SUPER SILT FENCE

CURB & GUTTER

SPOT ELEVATION

STREET LIGHTING

STREET SIGN

OWNERS/DEVELOPERS CERTIFICATION

I/WE HEREBY CERTIFY THAT ANY CLEARING, GRADING, CONSTRUCTION AND/OR

RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE

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.

DEVELOPMENT WILL BE DONE PURSUANT TO THIS PLAN AND THAT ANY

DESIGN CERTIFICATE

REQUIREMENTS OF THE NATURAL RESOURCE CONSERVATION SERVICE.

CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS

JOHN E. HARMS JR. & ASSOCIATES, INC

1-31-07

A PRATICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION

THIS DEVELOPMENT SITE PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT

TREES

PAVING

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

♯ EX. WV

⊳× EX. F.H.

EkB2

_×156.50

____ G ____ G AS LINE

----- OHE ----- OVERHEAD LINE

----- CONTOUR LINE

PRINTED NAME OF OWNER/DEVELOPER

SIGNATURE OF DESIGN PROFESSIONAL

nark S. Crissman

DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

EASEMENT LINE

PIPE/GUTTER FLOW DIRECTION

SOILS CLASSIFICATION/BOUNDARY

LIMIT OF DISTURBANCE _____ LOD ____

STABILIZED CONSTRUCTION ENTRANCE SCE

_____ SF _____ SF ____

_×156⁵⁰

HOWARD SOIL CONSERVATION DISTRICT PERMANENT SEEDING NOTES

APPLY TO GRADED OR CLEARED AREAS NOT SUBJECT TO IMMEDIATE FURTHER DISTURBANCE WHERE A PERMANENT LONG- 8) ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF LIVED VEGETATIVE COVER IS NEEDED.

SEEDBED PREPARATION: LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISKING 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 ACRES 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 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.). 2) ACCEPTABLE - APPLY 2 TONS PER ACRE DOLOMITIC 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: 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 CALLONS 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 INCHES OF SOIL BY RAKING, DISKING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING, FOR NOT PREMOUSLY 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 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

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 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

- 1) 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 MAY CONSTRUCTION, (313-1855).
- 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

2) ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF

- 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

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

SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDING (SEC.51). SOD (SEC.

- 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: 0.50 ACRES AREA DISTURBED: 0.14 ACRES AREA TO BE ROOFED OR PAVED: 0.36 ACRES 1000 CU. YDS. AREA TO BE VEGITATIVELY STABILIZED: ___ TOTAL CUT: 1000 CU. YDS. N/A TOTAL WASTE/BORROW AREA LOCATION: ___
- 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
- ADDITIONAL SEDIMENT CONTROL MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNIT SEDIMENT CONTROL INSPECTOR 10) ON ALL SITES WITH DISTURBED AREAS IN EXCESS OF 2 ACRES, APPROVAL OF THE INSPECTION AGENCY
- CONTROLS. BUT BEFORE PROCEEDING WITH ANY OTHER FARTH DISTURBANCE OR GRADING. OTHER BUILDING OR GRADING INSPECTION APPROVALS MAY NOT BE AUTHORIZED UNTIL THIS INITIAL APPROVAL BY THE INSPECTION AGENCY IS MADE

SHALL BE REQUESTED UPON COMPLETION OF INSTALLATION OF PERIMETER EROSION AND SEDIMENT

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 PERMANENT VEGETATION.

TO PROMDE 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 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

- 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

- TOPSOIL SALVAGED FROM THE EXISTING SITE MAY BE USED PROVIDED THAT IT MEETS THE STANDARDS AS SET FORTH IN THESE SPECIFICATION. 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 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 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 CON-TRASTING 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 1/2" IN
- ii. TOPSOIL MUST BE FREE OF PLANTS OR PLANT PARTS SUCH AS BERMUDA GRASS, QUACKGRASS, JOHNSON-
- SON GRASS, NUTSEDGE, POISON IVY, THISTLE, OR OTHERS AS SPECIFIED. III. WHERE THE SUBSOIL IS EITHER HIGHLY ACIDIC OR COMPOSED OF HEAVY CLAYS, GROUID LIMESTONE SHALL BE SPREAD AT THE RATE OF 4-8 TONS/ACRE (200-400 POUNDS PER 1,000 SQUAREFEET) PRIOR TO THE PLACEMENT OF TOPSOIL. LIME SHALL BE DISTRIBUTED UNIFORMLY OVER DESIGNAED AREAS AND WORKED INTO THE SOIL IN CONJUNCTION WITH TILLAGE OPERATIONS AS DESCRIBED IN THE FOLLOWING
- III. FOR SITES HAVING DISTURBED AREAS UNDER 5 ACRES:
- PLACE TOPSOIL (IF REQUIRED) AND APPLY SOIL AMENDMENTS AS SPECIFIED IN 20.0 VGETATIVE STABILIZATION - SECTION I - VEGETATIVE STABILIZATION METHODS AND MATERIALS.
- IV. 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:
 - a. PH FOR TOPSOILS SHALL BE BETWEEN 6.0 AND 7.5. IF THE TESTED SOIL DEMOISTRATES A PH OF LESS THAN 6.0, SUFFICIENT LIME SHALL BE PERSCRIBED TO RAISE THE pH TO 65 OR HIGHER.
 - b. ORGANIC CONTENT OF TOPSOIL SHALL BE NOT LESS THAN 1.5 PERCENT BY WEIGHT.

ii. PLACE TOPSOIL (IF REQUIRED) AND APPLY SOIL AMENDMENTS AS SPECIFIED IN 20.0 VEGETATIVE

STABILIZATION - SECTION I - VEGETATIVE STABILIZATION METHODS AND MATERIALS.

c. TOPSOIL HAVING SOLUBLE SALT CONTENT CREATER THAN 500 PARTS PER MILLIOI 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 ELAPSED (14 DAYS MIN.) TO PERMIT

DISSIPATION OF PHYTO-TOXIC MATERIALS. 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.

WHEN TOPSOILING, MAINTAIN NEEDED EROSION AND SEDIMENT CONTROL PRACTICES SUCH AS DIVERSIONS

RADE STABILIZATION STRUCTURES, EARTH DIKES, SLOPE SILT FENCE AND SEDIMENT TRAPS AND BASINS

DETAIL 22 - SILT FENCE

CONSTRUCTION SPECIFICATIONS

1. FENCE POSTS SHALL BE A MINIMUM OF 36" LONG DRIVEN 16" MINIMUM INTO THE GROUND. WOOD POSTS SHALL BE 11/2" X 11/2" SQUARE (MINIMUM) CUT, OR 13/4" DIAMETER (MINIMUM) ROUND AND SHALL BE OF SOUND QUALITY HARDWOOD. STEEL POSTS WILL BE

r staples at top and mid—section and shall meet the following requiremen

4. SILT FENCE SHALL BE INSPECTED AFTER EACH RAINFALL EVENT AND MAINTAINED WHEN BULGES OCCUR OR WHEN SEDIMENT ACCUMULATION REACHED 50% OF THE FABRIC HEIGHT.

SILT FENCE

SILT FENCE DESIGN CRITERIA

100 FEET

NOTE: IN AREAS OF LESS THAN 2% SLOPE AND SANDY SOILS (USDA GENERAL CLASSIFICATION SYSTEM, SOIL CLASS A) MAXIMUM SLOPE LENGTH AND SILT FENCE LENGTH WILL B UNLIMITED. IN THESE AREAS A SILT FENCE MAY BE THE ONLY PERIMETER CONTRO

olded and stapled to prevent sediment bypass.

STANDARD SYMBOL

SILT FENCE LENGTH

UNLIMITED

1,000 FEET

750 FEET

500 FEET

250 FEET

125 FEET

PERSPECTIVE VIEW

II. GRADES ON THE AREAS TO BE TOPSOILED, WHICH HAVE BEEN PREVIOUSLY ESTABLISHED, SHALL BE

ACRES SHALL CONFORM TO THE FOLLOWING REQUIREMENTS:

5:1 TO 3:1

2:1 AND STEEPER

- 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
- 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: 1. 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
- G. 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.
- 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

c. COMPOSTED SLUDGE SHALL BE APPLIED AT A RATE OF 1 TON/1,000 SQUARE FEET.

1. MULCHES - SEE STANDARDS FOR VEGETATIVE STABILIZATION WITH MULCHES ONLY. MULCH SHOULD BE 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 BLOWNG STARTS. BEGIN PLOWING ON WINDWARD SIDE OF 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.

5. BARRIERS - SOLID BOARD FENCES, SILT FENCES, SNOW FENCES, BURLAP FENCES, STRAW BALES, AND SIMILAR MATERIAL CAN BE USED TO CONTROL AIR CURRENTS AND SOIL BLOWNG. 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
- 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 | | |
|-----|-------------------|---|--|
| r [| SYMBOL | DESCRIPTION | |
| | MIB2 | MANOR LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED | |
| Ĺ | MIC2 | MANOR LOAM, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED | |



GENERAL NOTES

TAX MAP: 11, PARCEL: 19, BLOCK: 13, LOT 3 ELECTION DISTRICT: THIRD. DEED REFRENCE: 3920/421.
DPZ FILES: F-06-042, SP-03-10, WP-03-148. LOT AREA: 49,645 SQ.FT. OR 1.14 ACRES±

SUBJECT PROPERTY ZONED RC-DEO PER THE 02/02/2004 COMPREHENSIVE ZONING PLAN.

STA NO. 101A= N 600,995.112, E 1,345,340.402 ELEV=442.707

7. NO GRAVES, CEMETERIED, OR HISTORIC STRUCTURES EXIST ON-SITE. SITE IS NOT ADJACENT TO A DESIGNATED

8. THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 16.124 OF THE HOWARD

9. WETLAND AND FOREST STAND DELINEATIONS PREPARED BY EXPLORATION RESEARCH, INC. AND APPROVED UNDER

EMERGENCY VEHICLES PER THE FOLLOWING MINIMUM REQUIREMENTS:

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.

13. THIS PLAN IS SUBJECT TO THE FIFTH EDITION OF THE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS AS

14. THIS LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP, WIDTH, AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT

MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL (COMAR 26.04.03). IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF THE MODIFIED SEWAGE EASEMENT SHALL NOT BE NECESSARY.

16. NO CLEARING, GRADING OR CONSTRUCTION IS PERMITTED WITHIN WETLANDS, STREAMS, OR THEIR REQUIRED

CONSTRUCTION INSPECTION DIMSION: 410-313-1880

20. ARTICLES OF INCORPORATION FOR THE HOMEOWNERS ASSOCIATION WERE ACCEPTED BY THE STATE DEPARTMENT OF ASSESSMENT AND TAXATION ON APRIL 5, 2006, INCORPORATION NUMBER D11219797.

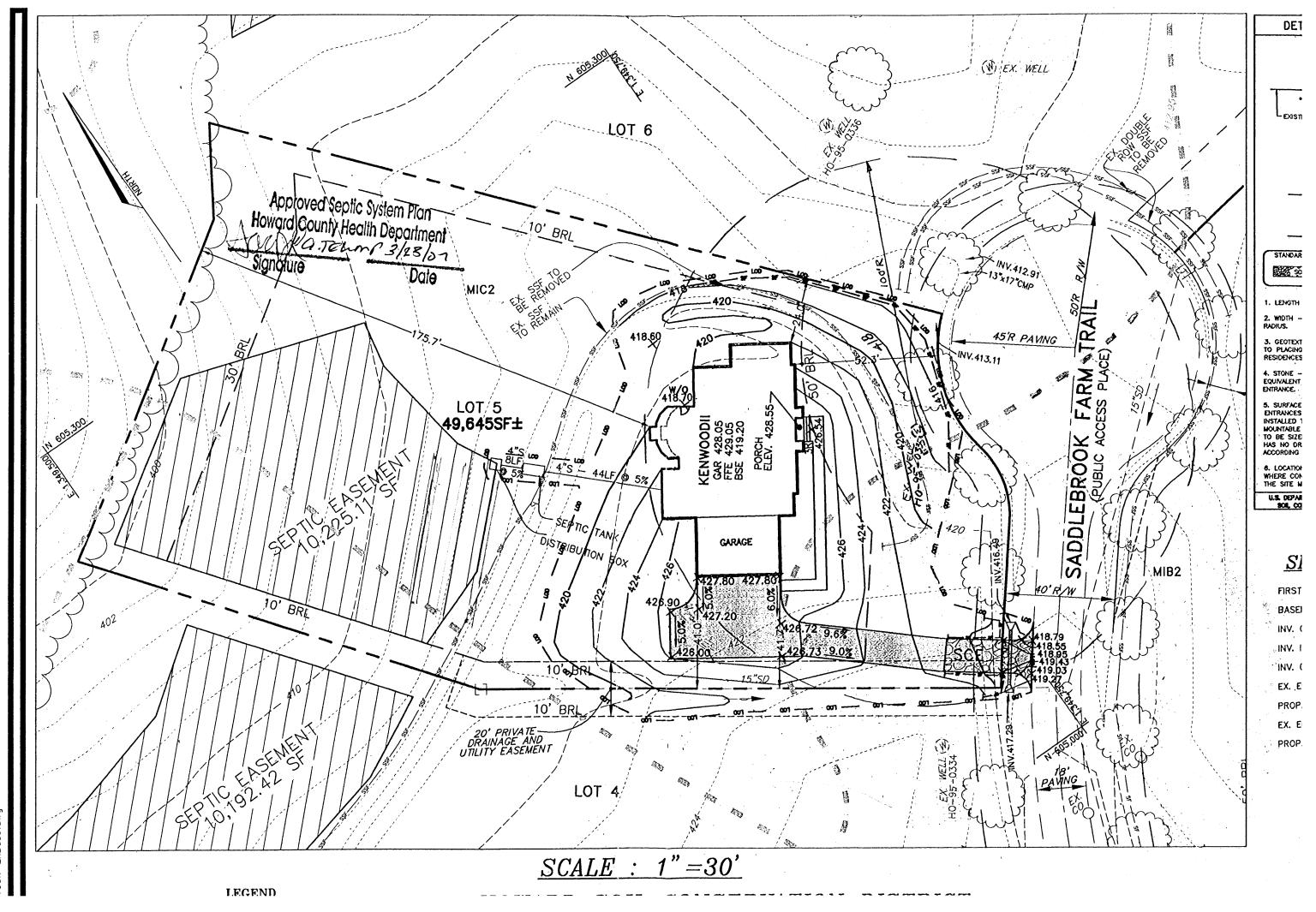
22. PER LETTERS FROM SHALEHEARTH, L.C. (ELM STREET DEVELOPMENT) DATED JANUARY 3, 2007, CRAFTMARK HOMES HAS PERMISSION TO USE SEDIMENT CONTROLS INSTALLED UNDER F-06-042 AND PERMISSION TO GRADE ON ALL

DESIGNED BY: ____ CHECKED BY: _____ ____JAN_20 W.O. NO. <u>08-05-</u>

BUILDER CRAFTMARK HOMES 6820 ELM STREET, SUITE 102 MCLEAN, VIRGINIA 22101 (703)-287-0582

1 OF 1

1.0-07-



rook-FxBase.dwa

- I. THIS IMPROVEMENT LOCATION DRAWING:

 A. IS OF BENEFIT TO A CONSUMER ONLY INSOFAR AS IT IS REQUIRED BY A LENDER OR A TITLE INSURANCE COMPANY OR ITS AGENT IN CONNECTION WITH CONTEMPLATED TRANSFER, FINANCING OR REFINANCING;

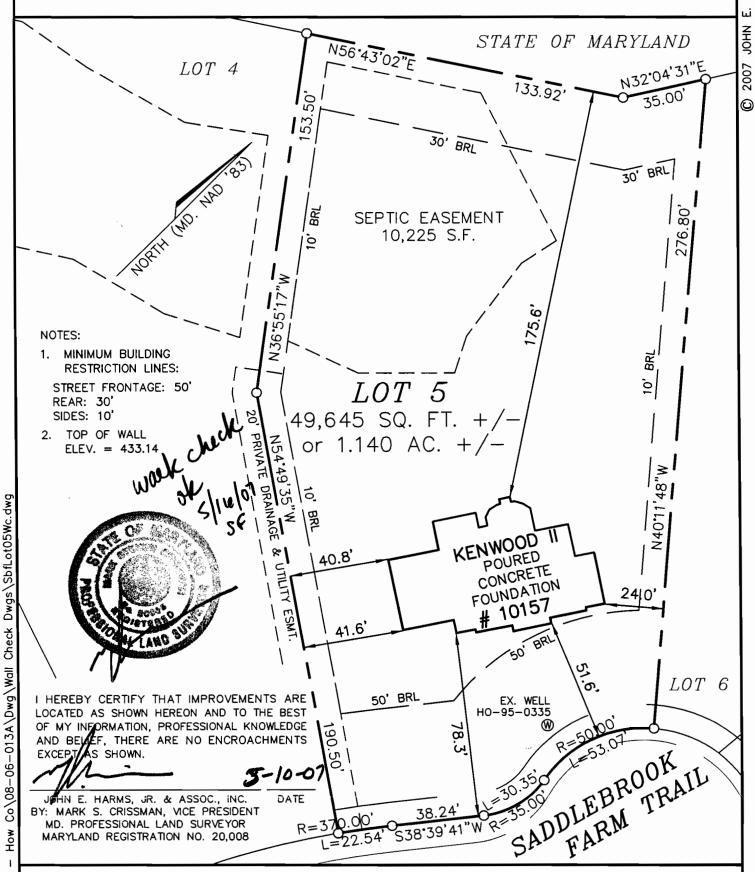
 B. IS NOT TO BE RELIED UPON FOR THE ESTABLISHMENT OR LOCATION OF FENCES, GARAGES, BUILDINGS, OR
- OTHER EXISTING OR FUTURE IMPROVEMENTS; AND

- C. DOES NOT PROVIDE FOR THE ACCURATE IDENTIFICATION OF PROPERTY BOUNDARY LINES, BUT SUCH IDENTIFICATION MAY NOT BE REQUIRED FOR THE TRANSFER OF TITLE OR SECURING FINANCING OR REFINANCING.

 2. THE LEVEL OF ACCURACY AND ACCURACY OF APPARENT SETBACK DISTANCES IS ONE FOOT, MORE OR LESS.

 3. THIS PLAT WAS PREPARED WITHOUT BENEFIT OF A TITLE REPORT.

 4. RECORD PLAT IS TITLED "SUBDIVISION PLAT OF SADDLEBROOK FARM, LOTS 1–12, NON-BUILDABLE PRESERVATION PARCELS 'A'-'D', NON-BUILDABLE PARCEL 'E', AND BUILDABLE PRESERVATION PARCEL 'F' ", AND RECORDED AS PLAT #'S 18622 THRU 18624 ON 11–03–06 AMONG THE LAND RECORDS OF HOWARD COUNTY, MD.



WALL CHECK LOT 5

SADDLEBROOK FARM

Tax Map 11, Grid 13, Parcels 19 & 32 THIRD ELECTION DISTRICT

HOWARD COUNTY, MD

SCALE: 1"= 40' DATE: Apr. 30, 2007

Craftmark Homes Kenwood II 10157 Saddlebrook Farm Trail

(HARMS

ENGINEERS • PLANNERS • SURVEYORS 41 E. All Saints St., Suite 210, Frederick, MD 21701 Office: 301-631-2027 Fax: 301-631-2028