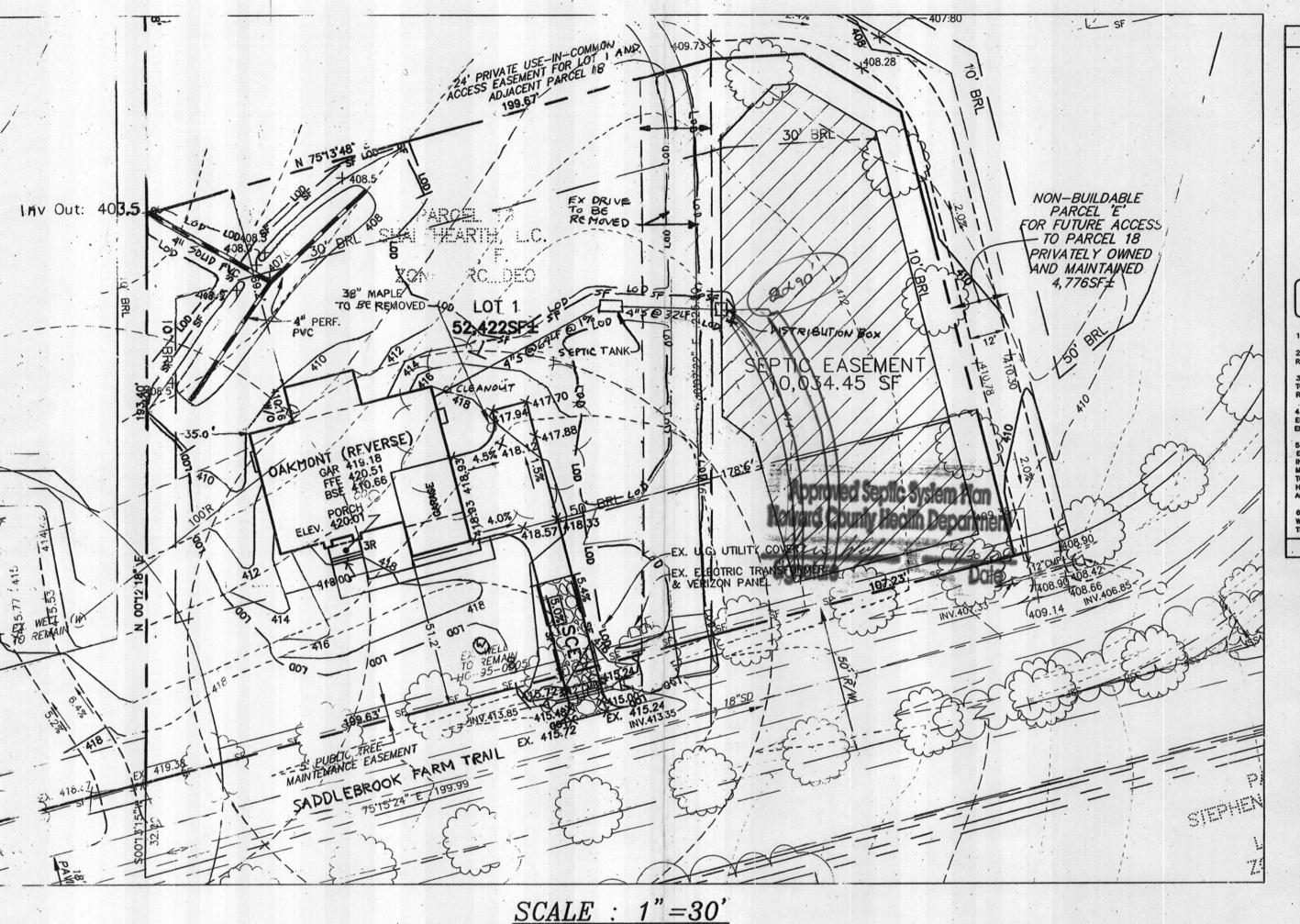
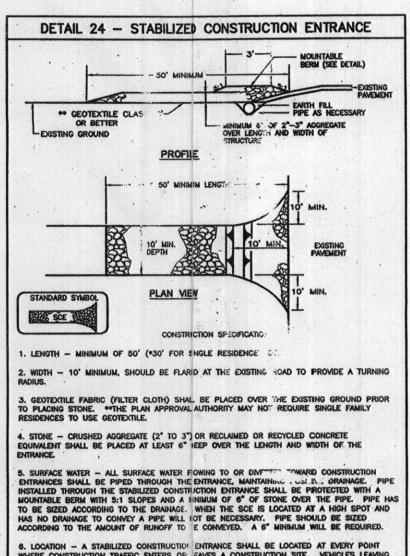
DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS
3430 COURT HOUSE DRIVE
ELLLCOTT CITY, MO 21943
PERMITS (410) 313-3455 RSPECTIONS (410) 313-1810
AUTHALEEN LACOMALIZAM AND 313-1800

HOWARD COUNTY PERMIT APPLICATION

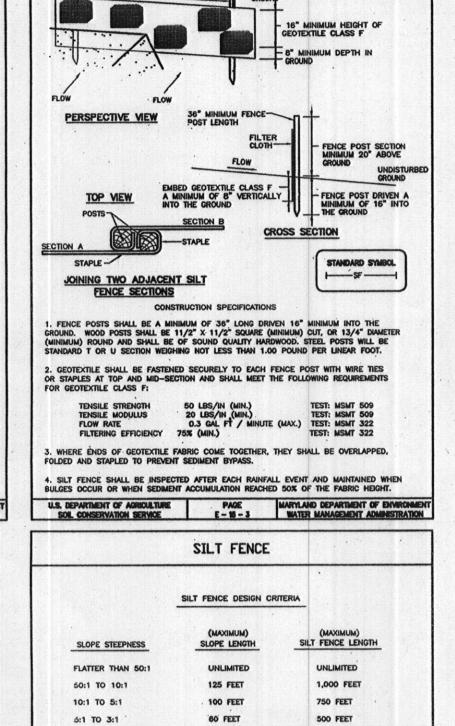
PERMIT NUMBER

AUTOMATED NFORMATION (410) \$13-\$800	PERMIT AP	PLICATION 15	2300/024
Building Address 10131 Saddl	back Fred Tel.	Property Owner's Name	exist. CC
Wood Stock MD 21163		Address 13 Landel butte + slages	
		1365 3	1. Rd
Suite/Apt. #: SDP/WP/Petition #: Census Tract (2030) Subdivision		City 1.1.2 Cc. State	1/Azin Codo / 3/6/
		Home Phone 703 - 253 - 689 Work Phone	
Section Area Lot _/ Tax Map _// Parcel _/9 Grid _/5		Applicant's Name & Mailing Address, (if other than stated hereon):	
Zoning C D Map Coordinates Lot size		Phone 34 988 7309 Fax	
Existing Use VIII (6 + 16+		Contractor Company Contractor Company	
Proposed Use		Contact Person Brian Parent	
Description of Work New SED : Dall want Mide		Address / C. a	4
- Gle 1) - 1 Poly Walk Bear		Address (830 H) 5 7 1200	
Ferrer Plan (trace deplo) 3-100 recolord,		City / State / Zip Code / Col	
MAN JAMISAKMI: Bec. Pot.			
Occupant or Tenant		Engineer or Architect Company	
Contact Name		Contact Person	
Address State Zip Code		Address	
Only Zip Code		City State Zip Code	
Phone Fax	*	Phone Fax	
BUILDING DESCRIPTION - COMMERCIAL		BUILDING DESCRIPTION - RESIDENTIAL	
Building Characteristics	<u>Utilities</u>	Building Characteristics	<u>Utilities</u>
Height:	Water Supply:	SF Dwelling SF Townhouse	Water Supply:
No. of stories:	Private	1st floor: Width	Public Private
	Sewage Disposal: Public	2nd floor: 42 64	Sewage Disposal: Public
Gross area, sq. ft. per floor:	Private	Basement: 53 Finished Basement © Unfinished Basement	Private
Use group:	Electric Yes □ No □ Gas Yes □ No □	Crawl space ☐ Slab on Grade ☐ No. of Bedrooms 6/	Electric Yes D No D Gas Yes D No D
e e	Heating System:	Multi-family dwellings: No. of efficiency units:	Heating System:
Construction type:	Electric 🗆 Oil 🗆	No. of 1 BR units: No. of 2 BR units:	Electric ⊡: Oil □ Natural Gas -□
Reinforced Concrete Structural Steel	Natural Gas Bronne Gas Bron	No. of 3 BR units:	Propane Gas
Structural Steel	Propane Gas □	Other Structure:	Sadalda and Market
Wood Frame	Sprinkler system: N/A 🛘 Full	Dimensions:Footings:	Sprinkler system: N/A NFPA #13D NFPA #13R
State Certified Modular	Partial Other Suppression	Roof Height:	Other:
3	# of Heads	State Certified Modular Manufactured Home	
THE UNDERSIGNED HEREBY CERTIFIES AND AGREES AS FOLLOWS: HOWARD COUNTY WHICH ARE APPLICABLE THERETO; (4) THAT HE! THE RIGHT TO ENTER ONTO THIS PROPERTY FOR THE PURPOSE OF	SHE WILL DERECTOR AND WATER ON THE ABOVAGE DEEDS	CAPER DRADERTY MAT OBEGINALLY RECORDED BY THE ARM I	SHE WILL COMPLY WITH ALL REGULATIONS OF CATION; (5) THAT HE/SHE GRANTS COUNTY OFFICIAL
Just Sun	*	Buch 16 Co	1.11
Applicant's Signature	t,	Print Name	
Title/Company	Checks payable to: DIRECTOR OF	Date FINANCE OF HOWARD COUNTY	
	** PLEASE WRITE NE	ATLY AND LEGIBLY. **	
	SIGNATURE APPROVAL	DPZ SETBACK INFORMATION Front: F	PROPERTY ID#:
State Highways		Rear: P	'ermit fee \$
			excise tex \$
Health 5/2/08 KW			odd'i per. fee \$ OTAL FEES \$
Fire Protection			Sub-total paid \$
Is Sediment Control approval required prior to issuance? YES □ NO □			Palance due \$
			/alidation #
ONE STOP SHOP: []		YES II NO II	
		Lot Coverage for NewTown Zone SDP/Red-line approval date	Accepted by 1
Distribution of Conies. Militias Building C			Accepted by

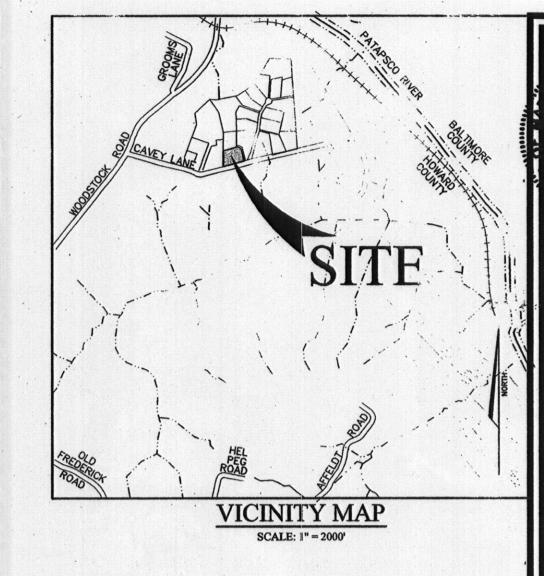




SEPITC SYSTEM DATA FIRST FLOOR ELEVATION: BASEMENT ELEVATION: INV. OUT OF HOUSE: 413.23 INV. IN SEPTIC TANK INV. OUT SEPTIC TANK EX. ELEVATION AT SEPTIC TANK PROP. ELEVATION AT SEPTIC TANK



DETAIL 22 - SILT FENCE



GENERAL NOTES

- TAX MAP: 11, PARCEL: 19, BLOCK: 13, LOT ZONING: RC-DEO. DEED REFRENCE: 8920/421 DPZ FILES: F-06-042, SP-03-10, WP-03-148. LOT AREA: 52,422 SQ.FT. OR 1.20 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 & 17AB
- STA NO. 101A= N 600,995.112, E 1,345,340.402 ELEV=442.707 STA NO. 46EB= N 598,435.251, E 1,348,615.251 ELEV=509.178
- 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 FS
- 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: H02005G009(01). SOME OF THE WELLS ARE KNOWN TO HAVE LEVELS OF GROSS ALPHA AND/OR GROSS BETA ABOVE CURRENT EPA STANDARDS AND WILL REQUIRE APPROPRIATI
- 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 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-06-42.
- FOREST CONSERVATION ACT FOR THIS SUBDIVISION HAS BEEN FULFILLED BY RETENTION OF 4.71 ACRES AND REFORESTATION OF 1.17 ACRES. FINANCIAL SURETY FOR THE ON-SITE RETENTION OF 4.71 ACRES (205,167.6 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.
- 11. 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. 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 WOV 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. WOV FOR LOTS 2-5, 10 & 12 HAVE BEEN PROVIDED FOR IN A SURFACE SAND FILTER FACILITY. FOR DRY SWALE PROFILES, SEE F-60-042.
- 13. THIS PLAN IS SUBJECT TO THE FIFTH EDITION OF THE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS AS 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
- 14. THIS LOT SHOWN 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
- 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 BUFFERS.
- 17. THE CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITY AGENCIES AT LEAST FIVE(5) DAYS PRIOR TO ANY

410-313-4900 410-393-3533 HO. CO. BUREAU OF UTILITIES: AT&T CABLE LOCATION DIVISION BALTIMORE GAS & ELECTRIC STATE HIGHWAY ADMINISTRATION HO. CO. DEPT OF PUBLIC WORKS CONSTRUCTION INSPECTION DIVISION: 410-313-1880

- 18. IN ACCORDANCE WITH 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 OF THE PROPERTY OF THE PROPERTY
- DRIVEWAY ENTRANCE SHALL BE CONSTRUCTED IN ACCRODANCE 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 D11219797.
- 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.
- 22, THE EXISTING WELL (TAG# HO-95-0505 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

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

PERMANENT SEEDING NOTES APPLY TO GRADED OR CLEARED AREAS NOT SUBJECT TO IMMEDIATE FURTHER DISTURBANCE WHERE A PERMANENT LONG-8) LIVED VEGETATIVE COVER IS NEEDED. ---- BLDC. RESTRICTION LINE BEFORE SEEDING, IF NOT PREVIOUSLY LOOSENED. EX. 15" SD STORM DRAIN & MH 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.) 8"S ---- SEWER LINE & MH AND 600 LBS. PER ACRE 10-10-10 FERTILIZER (14 LBS/1000 SQ.FT.) BEFORE SEEDING. EX. 8 W WATER LINE & MH IARROW 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.). PIPE/GUTTER FLOW DIRECTION ACCEPTABLE - APPLY 2 TONS PER ACRE DOLOMITIC LIMISTONE (92 LBS./1000 SO.FT.) AND 1000 LBS. PER ACRE 10-10-10 FERTILIZER (23 LBS./1000 SQ.FT.) BEFORE # EX. WV WATER VALVE FIRE HYDRANT Ø EX. F.H. GAS LINE THE --- THE --- OVERHEAD LINE UTILITY POLE

CURB & GUTTER

SPOT ELEVATION

STREET LIGHTING

CONTOUR LINE

STREET SIGN

TREES

WELL AREA

OWNERS/DEVELOPERS CERTIFICATION

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.

Jehnh

DESIGN CERTIFICATE

CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS

JOHN E. HARMS JR. & ASSOCIATES, INC

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.

"I/WE HEREBY CERTIFY THAT ANY CLEARING, GRADING, CONSTRUCTION AND/OR DEVELOPMENT WILL BE DONE PURSUANT TO THIS PLAN AND THAT ANY

-- ' -- -- -- -- --

×156.50

Hear

PRINTED NAME OF DESIGN PROFESSIONAL

PROPOSED

×15650

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 LIMIT OF DISTURBANCE ____ LOD 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. SOILS CLASSIFICATION/BOUNDARY MULCHING - APPLY 1-1/2 TO 2 TONS PER ACRE (70 TO 90 LBS./1000 SQ.FT) OF UNROTTED SMALL GRAIN STRAW STABILIZED CONSTRUCTION ENTRANCE

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 INCHES OF SOIL BY RAKING, DISKING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING, FOR NOT PREVIOUSLY LOOSENED.

HOWARD SOIL CONSERVATION DISTRICT

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 1985./1000 SQ.FT.). FOR THE PERIOD NOVEMBER 16 THRU NOVEMBER 28, PROTECT SITE BY APPLYING 2 TONS PER ACRE OF WELL ANCHCRED 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 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

THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE MOST CURRENT "MARYLAND

- 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).
- STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL", AND REVISIONS THERETO. 3) FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION

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

- 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 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.
- 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

54), TEMPORARY SEEDING (SEC. 50) AND MULCHING (SEC.52). TEMPORARY STABILIZATION WITH

DUNTY SEDIMENT CONTROL INSPECTOR.		
TE ANALYSIS:	1.00	
TOTAL AREA OF SITE:	1.20 0.46	ACRES
AREA TO BE ROOFED OR PAVED:		ACRES
AREA TO BE VEGITATIVELY STABILIZED:	0.33	ACRES
TOTAL CUT:	400	CU. YDS.
TOTAL FILL: TOTAL WASTE/BORROW AREA LOCATION:	400 N/A	CU. YDS.

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

ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF

- ADDITIONAL SEDIMENT CONTROL MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNT
- 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 GRADING. OTHER BUILDING OR GRADING INSPECTION APPROVALS MAY NOT BE AUTHORIZED UNTIL THIS INITIAL APPROVAL

STANDARD AND SPECIFICATIONS FOR TOPSOIL

CONDITIONS WHERE PRACTICE APPLIES

- 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.
- 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 SUNDARDS AS SET FORTH IN THESE SPECIFICATION. TYPICALLY, THE DEPTH OF TOPSOIL TO BE SALVAGED FOR 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.
- 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 HAN 1 1/2" IN
- SON GRASS, NUTSEDGE, 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
- 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
- a. 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 PERSCRIBED TO RAISE THE pH TO 6.5 OR HIGHER.
- b. ORGANIC CONTENT OF TOPSOIL SHALL BE NOT LESS THAN 1.5 PERCENT BY WEIGHT
- c. TOPSOIL HAVING SOLUBLE SALT CONTENT GREATER THAN 500 PARTS PER MILLION SHALL NOT BE USED. d. NO SOD OR SEED SHALL BE I'LACED 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
- 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 20.0 YEGETATIVE STABILIZATION - SECTION 1 - VEGETATIVE STABILIZATION METHODS AND MATERIALS.

SOILS DESCRIPTION SYMBOL DESCRIPTION MIB2 MANOR LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED MIC2 MANOR LOAM, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED DESIGNED BY: HECKED BY: MARCH 2008 08-05-013A 1 OF

GP-08-6

10

0

B

250 FEET

INV. IN DISTRIBUTION BOX:

EX. ELEVATION AT DISTRIBUTION BOX:

* BASEMENT SEWERAGE TO BE PUMPED

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 ON! WORKING DAY, WHICHEVER IS SHORTER.

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

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 GRADATION.

I. THIS PRACTICE IS LIMITED TO AREAS HAVING 2:1 OR FLATTER SLOPES WHERE: a. THE TEXTURE OF THE EXPOSED SUBSICIL/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.

FOR THE PURPOSE OF THESE STANDARDS AND SPECIFICATIONS, AREAS HAVING SLOPES STEPER THAN 2:1

TOPSOIL MUST BE FREE OF PLANTS OR PLANT PARTS SUCH AS BERMUDA GRASS, QUACKGRASS, JOHNSON-

III. FOR SITES HAVING DISTURBED AREAS UNDER 5 ACRES:

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

AMENDMENTS REQUIRED TO BRING THE SOIL INTO COMPLIANCE WITH THE FOLLOWING:

DISSIPATION OF PHYTO-TOXIC MATERIALS. NOTE: TOPSOIL SUBSTITUTES OR AMENDMENTS, AS RECOMMENDED BY A QUALIFIED AGRONOMIST OR SOIL SCIENTIST

THE SUBSOIL IS EXCESSIVELY WET OR IN A CONDITION THAT MAY OTHERWISE BE DETRIMENTAL TO PROPER VI. ALTERNATIVE FOR FERMANENT SEEDING - INSTEAD OF APPLYING THE FULL AMOUNTS OF LIME AND COMMERCIAL

FERTILIZER, COMPOSITED SLUDGE AND AMENDMENTS MAY BE APPLIED AS SPECIFIED BELOW: 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 SHAU, 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. COMPOSITED 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 AFPROPRIATE CONSTITUENTS MUST BE ADDED TO MEET THE REQUIREMENTS PRIOR TO USE.

C. COMPOSITED 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: GUID-LINE SPECIFICATIONS, SOIL PREPARATION AND SODDING. MD-VA, PUB. #1, COOPERATIVE

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

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

SURFACE RESULTING FROM TOPSOILING OR OTHER OPERATIONS SHALL BE CORRECTED IN ORDER TO PREVENT THE

PROCEED WITH A MINIMUM OF ADDITIONAL SOIL PREPARATION AND TILLAGE. ANY IRREGULARITIES IN THE

IV. TOPSOIL SHALL NOT BE PLACED WHILE THE TOPSOIL OR SUBSOIL IS IN A FROZEN OR MUDDY CONDITION, WHEN

GRADE STABILIZATION STRUCTURES, EARTH DIKES, SLOPE SILT FENCE AND SEDIMENT TRAPS

MAINTAINED, ALBEIT 4" - 8" HIGHER IN ELEVATION.

FORMATION OF DEPRESSIONS OR WATER POCKETS.

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

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 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 BLOWING 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 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)