OING SITE ADDRESS REQUIRED

DATE ACCEPTED:



RESIDENTIAL BUILDING PERMIT APPLICATION

HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSES, AND PERMITS

3430 COURT HOUSE DRIVE, ELLICOTT CITY, MD 21043 - PHONE: (410) 313-2455 OPTION #4

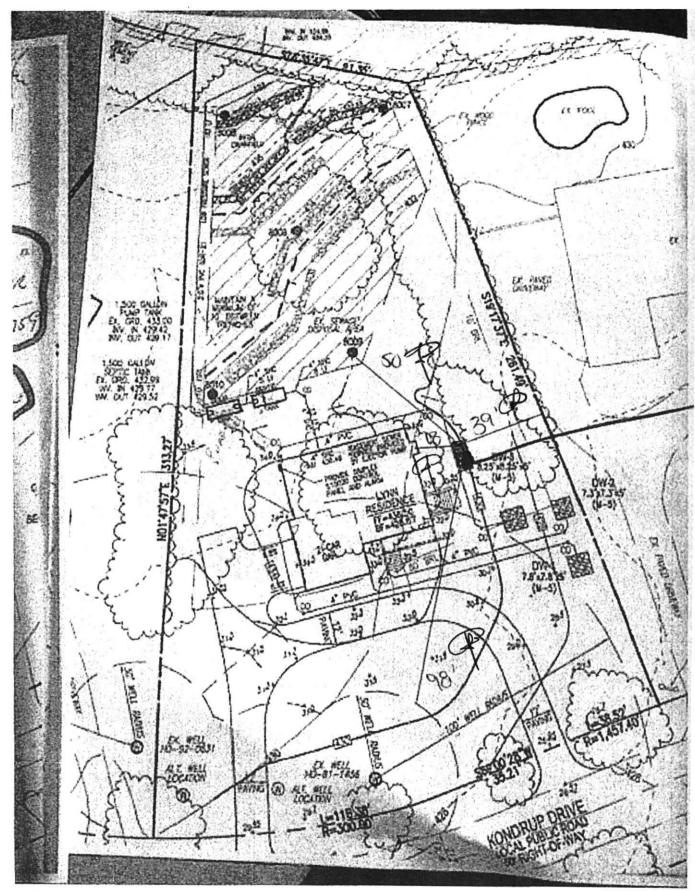
www.howardcountymd.gov

Street Address: 12397 Kon	UDRUP DRI	VE		Unit:		
City: FULTON		State: MD		Zip Code:	207.	59
Subdivision/Village/Complex Name:			SDP/WP/BA #			
Lot: / C Tax Map:	Parcel:	Gra	ding Permit #:_ 2	21-11	12	
DESCRIPTION OF WORK REQUIRED						
Existing Use: 5 F LOT	Proposed Use:	JELE FAM	iny Home	Estimated	Cost: \$ 7	00,000
Trade Work to Be Completed (Separate Permits Requ	uired): Mechanical (HV	/ACR) Electric	al Dlumbing	□ None		
No Home	7	2	1.			
NEW HOME	10 138	DULLT	(ALL)			
PROPERTY OWNER INFORMATION R	EQUIRED					
Owner(s) Name(s) (As it appears on tax records):	RAY +	Emily	Lyron	Primary Re	esidence:	Yes □ No
Owner's Street Address:	STSIDE BL	0				
City: FULTON		State: MARI	YLAND	Zip Code:	2 075	7
Phone: 443-250-5483	Email:	/				
APPLICANT NAME REQUIRED - INDIV	IDUAL WHO SIGNS TI	HIS APPLICATION	٧			11
Business Name: GREEN LEAF	BUILDERSUG	Contact Name:	STEVE C.	FOR	wzy.	
Street Address: 1601 JACKSON	STREET					
City: BALTIMORE		State: MD		Zip Code:	212	39
Phone: 143-250-5483	Email:	ephen.fo	roex Q 97	nail	com	
CONTRACTOR INFORMATION REQUIR	RED					
Business Name: GREEN LEAF	BULLDERS, LL	C ,	1-16			
	ORNEY	License #:	9011			
The state of the s	STARET		100	1		
City: BALTINGES		State: 11 D.		Zip Code:	212	30
Phone: 443 - 250 - 5483	Email:	cephen.	fornev@	0 100.1	1. Com	
ARCHITECT/ENGINEER INFORMATION	THE RESERVE THE PROPERTY OF THE PERSONS					
	MERRING, LLC	Name: Toyn	KOZLOWS	KI		
Street Address: 00 Box 145	41	Ch. L		7:- C-day	0.11	
City: 18 ESTMINSTER	Farally A	State: m b	0210010	Zip Code:	2115	
Phone: 443-398-5146	Email:	1170/0 a	e hadesic	in . Co	m	M. C. Marie
BUILDING CHARACTERISTICS REQUIRED IN STRUCTURES OF SECURITY STRUCTURES SECURITY SEC	THE RESIDENCE OF THE PARTY OF T	Home	aily Dwelling (ME*)	C	ondo: Yes	FI No
Utilities: Electric Gas Water Supply			ige Disposal: Pu		rivate (Septic)	
Heating System: ☐ Electric ☐ Natural Gas ☐ Pro		· · · · · · · · · · · · · · · · · · ·	side Tree Project:			
	NFPA 13D None		stem: Yes		oice Evac	
ADDITIONAL RESIDENTIAL INFORMAT		HE V SHIPS WHAT VISION	Marine Well-styl Dige		and Evac	
Model Name & Options:	TON (FEEASE SEELE	TOTAL AL	L IIIAI AFFEI)			^
# of Bedrooms (SF): # of efficiency units (MF	*): # of 1 BR (N	/F*): # of	2 BR (MF*):	#	of 3 BR (MF*)):
# Rooms: # Full Baths:	5	# Half Baths:	-	# Firepla		
Garage/Carport Info: ☐ Attached Garage ☐ Det	cached Garage Integ	ral Garage Car	port 🗆 None	Total and		
			Finished Basement:	□ Full or	Partial	
1st Fl Width: 52 9 1st Fl Depth: 504	2nd Fl Width: 50 G "	2 nd Fl Depth:	Bsmt Width	150194	Bsmt Dept	th: co'4 11
Energy Method: ☐ Prescriptive ☐ Performance ☐		Gross Area:	1.50 sq ft	Occupiable		as sq ft
AGREEMENT/ DISCALIMER REQUIRE	ED .		The state of the s	(was to see	entre de la companya	
THE UNDERSIGNED HEREBY CERTIFIES AND AGREES AS FOLLOWS: (
WITH ALL REGULATIONS OF HOWARD COUNTY WHICH ARE APPLIC THIS APPLICATION; (5) THAT HE/SHE GRANTS COUNTY OFFICIAL						
AL PP						
X Startent, to	med	X	4-20.	20	2/	
APPLICANT'S ORIGINAL SIGNATURE	1	DATE SIGN	ED			
FOR OFFICE USE ONLY	4	CHECKS PAYABLE TO	: DIRECTOR OF FINAN	CE OF HOW	ARD COUNTY	
AGENCIES REQUIRED/APPROVALS:						
			ealth B19			
□ PR □ DPZ	DED	/он	ealth 3319		SHA	☑ CID
CUPATTAL FEED, A 1 5 D	DAVIDE OVAL	2 3			- North	
SUBMITTAL FEES: 4 50 00	PAYMENT:	564		ACCEPTED	BY:	YBUX
*	ALL D SCALIN	APLE PIC	T PLAN 1	ENT	TEXU	17

Menu Save	Reset Cancel H	lelp	
Record Detail * (This sect	ion is required.)		
Record Detail (11113 Sect	on is required.)		
Permit Type		Permit Number B21004880	Opened Date 12/21/2021
Building/Residential/Mis Description of Work	C/ I anks	B21004000	12/21/2021
	ERGROUND PROPANE TANK		
			^
			V
check spelling			
Address * (This section is	required.)		
721 720 FE 12			ADDDOVED
Search Reset	Clear Get Parcel &	Owner	APPROVED
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Street # Street N 12397 KONDR		Street Type	WALK-THRU BUILDING FER
Unit Type Unit #	X Coordinate	Y Coordinate	101 - 1000 A#
Select V	-76.9442	39.14122	WALK-THRU BUILDING PER BP# 621004880 A#
City	State Zip Co		ADD CAN CHAIL MOO DATE
FULTON	MD 20759	Yes ∨	AFF. SALV CABATIVE WILL
			APP. SAN CABAHUG OCIGADATE DESC. OF WORK: INSTALL
Parcel * (This section is re	equired.)		
			1 x 1k UPT
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GIS ID * Parce 840083 48		nd Value Improved Value	
840083 48 Legal Description	40075	264500	0 RURAL
	12397 KONDRUP DR[]BEAUFOR	T PARK S 4 A 2	
			V
check spelling			
Block Lot	Census Tract Cou	ncil Dist Inspection Dist	t Supervisor Dist Map # DAP Zone
C 10	605102 5		
Plan Area	State Tax Id	Subdivision Name	
	1405351405		
Section	Area	Tax Map	
		45	
Grid	Zoning District	ADC Map	
45-12	RR-DEO	5051-J8	
SDP No.	Final Plan No.	WP File No.	
Record Plat No.	WS Contract No.	FDP No.	Primary Yes V
Record Plat No.	WS Contract No.	TIP NO.	Ties V
Owner Occupied	Year Built	Historic District	
O Yes No		O Yes No	
Historic District Registry	No. Stat Area	Flood Plain	
	5-15A	O Yes No	
Building No			
Owner * (This section is n	equired.)		
Search Reset	Clear		
Name *			
LYNN RAYMOND GALLO	DWAY JR		
Address Line 1 8118 WESTSIDE BLVD		1	
Address Line 2			
Address Line 3			
Mail City	Mail State Mail Zip	Code	
FULTON	MD > 20759		
Phone	Primary		
301-725-3232	Yes	~	
E-mail			
Cell Number	Fax Number		
Con realiset	F & Number		

Professionals (This section is not required.)

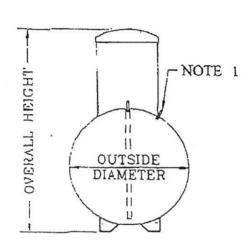
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103851	HJ POIST	10.11	. N 1-	at Name			
Propane Gs	First Name SEAN	Midd		NDERWOOD			
Primary	Address Line 1			1021111000			
Yes	✓ 360 MAIN STREET						
	Address Line 2						
	City		State	. 7	IP Code		
	LAUREL		MD		0707		
	Phone 1	Phone 2		ax			
	301-725-3232		-				
	E-mail						
	section is not required.)	As Contact					
ocuron ,	AS 2.0.7.101	7.0 001111101					
Type •	First Name	MI			-		
Applicant	MICHELLE		CLANCY				
Relationship	Full Name						
Applicant	MICHELLE CLANCY Organization Name						
Primary Yes		ED PERMITS I I	.C				
	Street Address						
	P.O. BOX 310						
	Address Line 2						
	City		01-1	7:- 0	-4-		
	City PERRY HALL		State	Zip C			
	Phone	Cell		Fax			
	443-340-1229						
	E-mail *						
	MICHELLE@APPLIE	DANDAPPROVE	ED.COM				
		576 (HI)	95000 SE 1005	D. N. C.			
Est Construction 3000 Construction T	on Cost · Housing Units ·	Numbe	er of Buildings *	No	N N		
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Est Construction 3000 Construction T 329 - Structure	on Cost · Housing Units · [0] ype s Other Than Buildings (Retaining	Numbe	er of Buildings *	No	$\overline{\Sigma}$		
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Est Construction 3000 Construction T 329 - Structure ANK INFORMAT RESIDENTIAL 7 Capital Project- O Yes ® No Existing Use SFD Water Supply Private PAYMENT INFO Check 1 P elated Records Showing 1-5 of 6 Permit Re Number B21001542 Re B21001542 Re E21003407	pon Cost · Housing Units · D ype s Other Than Buildings (Retaining ION ION FANK INFORMATION No Fee · Capital Project Nur Number of Tat 1 Sewage Disposal Expirat Private ORMATION ayee 1 Private Second Type Alias esidential New Single Family welling Permit esidential Electrical New Home ermit esidential Electrical New Home ermit esidential New-Addition SFD prinkler Permit	Number O O O O O O O O O	Exempt * Yes No Number of Tal Relocate Exis	No Ro C C nks Removed ting Tank Number 12397 12397	SAP Doc No Street Name KONDRUP KONDRUP	Opened Date 04/20/2021 07/12/2021 09/14/2021	Description SFD/ CUSTOM/, 2 STORY, Full Basement, Basement = Partial New sfd - to install 400 amp service & wiring; (5) phone devices SFD/ CUSTOM/ INSTALL A NEW NFPA 13D SPRINKLER SYS
3000 Construction T 329 - Structure ANK INFORMAT RESIDENTIAL¹ Capital Project- O Yes ● No Existing Use SFD Water Supply Private PAYMENT INFC Check 1 P Ch	pon Cost · Housing Units · D ype s Other Than Buildings (Retaining ION FANK INFORMATION No Fee · Capital Project Nur Number of Tai Sewage Disposal Expiral Private	Number Fee O O O O O O O O O	Exempt * Yes No Number of Tal Relocate Exis	No Ro Conks Removed ting Tank * Number 12397 12397 12397	SAP Doc No Street Name KONDRUP KONDRUP KONDRUP	Opened Date 04/20/2021 07/12/2021 09/14/2021 08/23/2021	Entered Description SFD/ CUSTOM/, 2 STORY, Full Basement, Basement = Partiall New sfd - to install 400 amp service & wiring; (5) phone devices SFD/ CUSTOM/ INSTALL A NEW NFPA 13D SPRINKLER SYS NEW SINGLE FAMILY DWELLING / INSTALL HVAC SYSTEM

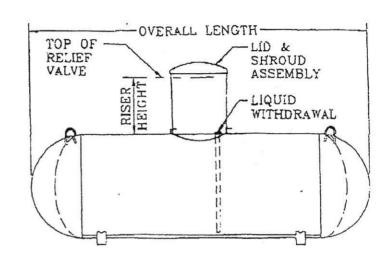


Cale 1-40 12397 Kondhup dr.

TRINITY INDUSTRIES, INC.

Underground Vesse





General Specifications

Conforms to the latest edition and addenda of the ASME, Section VIII, div.1 code for Pressure Vessels. Complies with NFPA 58 and is listed by Underwriters Laboratories, Inc.

Roted at 250 psig from -20°F. to 125°F. All tanks may be evacuated to a full [14.7 psi] vacuum.

Vessel Finish: Coated with epoxy red powder.

Applicable federal, state or local regulations may contain specific requirements for protective coatings and cathodic protection. The purchaser and installer are responsible for compliance with such federal, state or local regulations.

All vessel dimensions are approximate

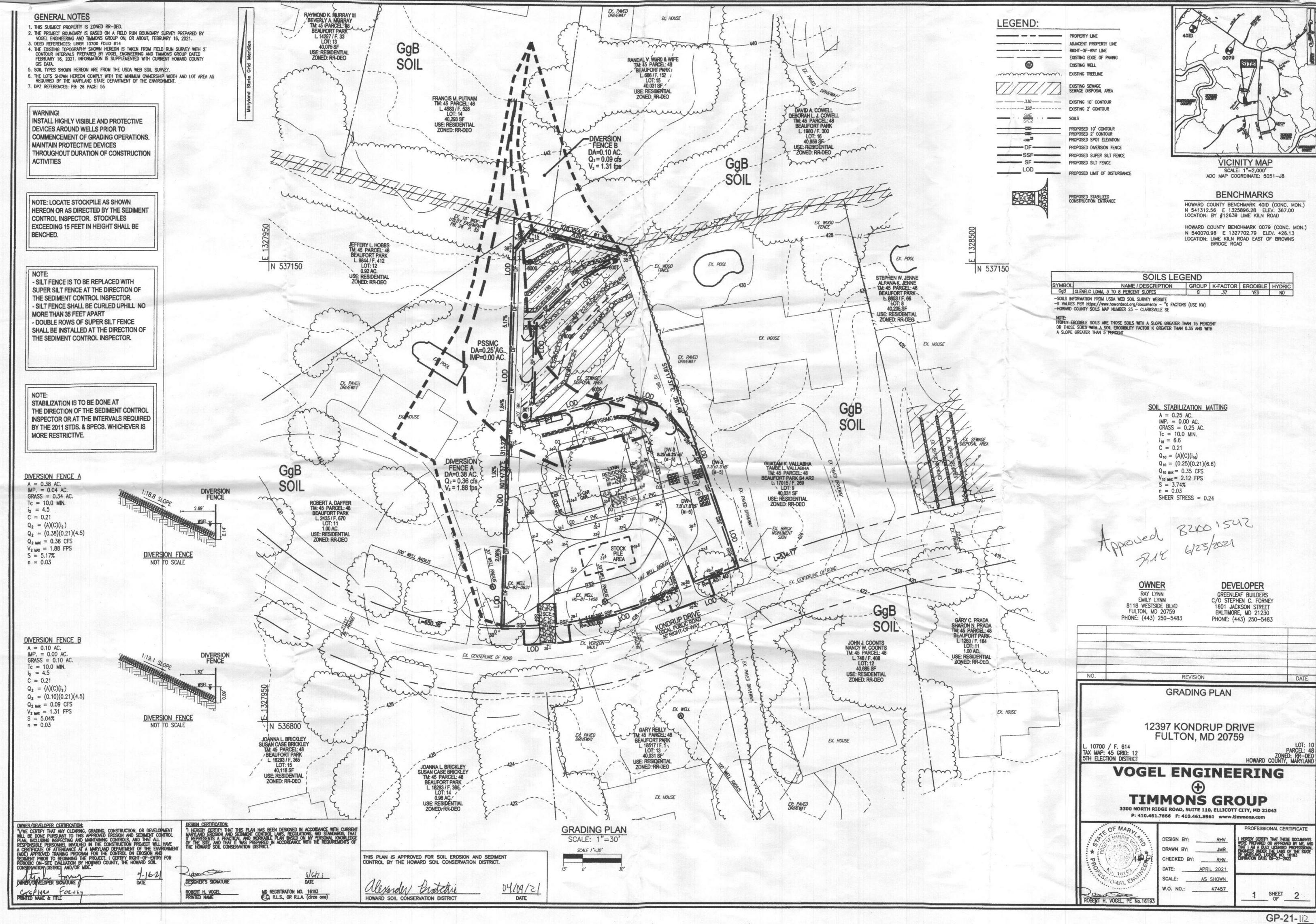
VII 602201	umensions a	are appro	ximate				
WATER CAPACITY	OUTSIDE DIAMETER	HEAD TYPE	OVERALL LENGTH	OVERALL HEIGHT Riser Height 14° 28"		WEIGHT	QUANTITY IN FULL LOAD
120 wg 454.2 L	24" 609.6 mm	Ellip	5' - 5 7/8" 1671.6 mm	3' - 9 7/8" 1165.2 mm	4' - 8 3/8" 1431.9 mm	252 lbs. 114.3 kg	63
250 wg 946.3 L	31.5" 800.1 mm	Hemi	7'- 2 1/2". 2197.1 mm	4' - 5 3/8" 1355.7 mm	5' - 3 3/8° 1609.7 mm	472 lbs. 214.1 kg	42
320 wg 1211.2 L	31.5" 800.1 mm	Hemi	8' - 11 3/4" 2736.9 mm	4° - 5 3/8" 1355.7 mm	5' - 3 3/8" 1609.7 mm	588 lbs. 266.7 kg	35
500 wg 1892.5 L	37.42" 950.5 mm	Hemi	9' - 10" 2997.2 mm	4' - 11 3/8" 1506.6 mm	5' - 9 7/8" 1773.2 mm	921 lbs. 417.8 kg	25
1000 wg 3785.0 L	40.96° 1040.4 mm	Hemi	15' - 10 7/8" 4846.6 mm	5' - 2 7/8" 1597.0 mm	6' - 1 3/8" 1863.7 mm	1731 lbs. 785.2 kg	15
2000 wg 3785.6 L	46.614" 1183.9 mm	Ellip	23' - 9 3/8" 7248.5 mm	5' - 8 13/16" 1747,8 mm	6' - 7 5/16" 2014.5 mm	3685 lbs. 1671 4 ka	8

COMPLETE THIS FORM WHEN DROPPING OFF ANY CORRESPONDENCE AND/OR PLANS TO THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS COUNTER:

DEPAI	RIMENT OF INSPECTIONS, LICENSES AND PERMITS COUNTER:
Date:	6-15-2021 Spencer Freemon, CATHY A. Health Dept
	Part A March Dent
To:	(Person's Name and Division)
From:	GREEN LEAF BUILDES, (410) 977-1328
	(Your Name, Company Name and Telephone Number)
Subject:	Project name LYNN RESIDENCE
	Project site address 12397 KONDRUP DRIVE FULTON, MD 207,
	Permit# B21601542 SDP#
	Other information pertinent to this project
✓ Please ch	neck the attachments below that you are submitting with this transmittal:
Let	ter of response to address plan review comment letter
Rev	vised plans and/or revised details: When submitting for a complete re-review, duplicate sets shall be submitted.
Let	ter Summarizing Changes
Ene	ergy conservation calculations
3 Cop	pies of First Fron Study (be specific). + Full SET FOR HEALTH
	Health Department Request DPZ/ DED Request Applicant's Request
Two	o sets of single family dwelling model plans to be placed on permanent file: Model name and/or #
Oth	ier
Co	ntact Person Information: (Required)
	STEPHEN FORNEY Telephone No: 410-977-1328
Ple	E-Mail Address: hrbuilder@
	Comcastine
NECESSAL INFORMA OF INSPE ONCE THE SIGNATOR WILL NOT INQUIRIES AND PLAN	ISSURE ALL DOCUMENTS AND/OR REVISIONS ARE APPROPRIATELY <u>SIGNED AND SEALED</u> , IF RY, BY A LICENSED ARCHITECT OR ENGINEER. PLEASE BE ADVISED THAT INSUFFICIENT TION MAY RESULT IN THE DELAY OF REVIEW BY THE PLANS EXAMINER. THE DEPARTMENT CTIONS, LICENSES AND PERMITS WILL CONTACT YOU IF THERE IS A PROBLEM. IN ADDITION, E BUILDING PERMIT IS APPROVED BY THE PLAN REVIEW DIVISION AND ALL OTHER REQUIRED RY AGENCIES, AND THE BUILDING PERMIT <u>IS</u> READY FOR ISSUANCE, THE PERMIT DIVISION TIFY THE APPROPRIATE CONTACT PERSON FOR PERMIT PICK UP. ALL PERMIT STATUS IS SHALL BE DIRECTED TO THE PERMIT DIVISION AT 410-313-2455. CODE RELATED QUESTIONS IN REVIEW INQUIRIES SHALL BE DIRECTED TO THE PLAN REVIEW DIVISION AT 410-313-2436. LLOW A <u>MINIMUM OF FIVE (5) WORKING DAYS</u> FOR ANY PLAN SUBMITTALS TO BE REVIEWED. DU.

White-Plan Review / Yellow-Applicant / Pink-Permit Division t:\Operations\Updated forms\transmit.frm - Rev. 04/2014

Received by



HOWARD SOIL CONSERVATION DISTRICT STANDARD SEDIMENT CONTROL NOTES

A PRE-CONSTRUCTION MEETING MUST OCCUR WITH THE HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS, CONSTRUCTION INSPECTION DIVISION (CID), 410-313-1855 AFTER THE FUTURE LOD AND PROTECTED AREAS ARE MARKED CLEARLY IN THE FIELD A MINIMUM OF 48 HOUR NOTICE TO CID MUST BE GIVEN AT THE FOLLOWING STAGES:

B. UPON COMPLETION OF THE INSTALLATION OF PERIMETER EROSION AND SEDIMENT CONTROLS, BUT BEFORE PROCEEDING WITH ANY OTHER EARTH DISTURBANCE

C. PRIOR TO THE START OF ANOTHER PHASE OF CONSTRUCTION OR OPENING OF D. PRIOR TO THE REMOVAL OR MODIFICATION OF SEDIMENT CONTROL PRACTICES. OTHER BUILDING OR GRADING INSPECTION APPROVALS MAY NOT BE AUTHORIZED UNTIL THIS INITIAL APPROVAL BY THE INSPECTION AGENCY IS MADE, OTHER RELATED STATE AND FEDERAL PERMITS SHALL BE REFERENCED, TO ENSURE COORDINATION AND TO AVOID

ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE 2011 "MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL", AND

FOLLOWING INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION IS REQUIRED WITHIN THREE (3) CALENDAR DAYS AS TO THE SURFACE OF ALL PERIMETER CONTROLS, DIKES, SWALES, DITCHES, PERIMETER SLOPES, AND ALL SLOPES STEEPER THAN 3 HORIZONTAL TO 1 VERTICAL (3:1); AND SEVEN (7) CALENDAR DAYS AS TO ALL OTHER DISTURBED AREAS ON THE PROJECT SITE EXCEPT FOR THOSE

ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 2011 "MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL" FOR TOPSOIL (SEC. 8-4-2), PERMANENT SEEDING (SEC. B-4-5), TEMPORARY SEEDING (SEC. B-4-4) AND MULCHING (SEC. B-3-3) TEMPORARY STABILIZATION WITH MULCH ALONE CAN ONLY BE APPLIED BETWEEN TH FALL AND SPRING SEEDING DATES IF THE GROUND IS FROZEN. INCREMENTAL STABILIZATION (SEC. 8-4-1) SPECIFICATIONS SHALL BE ENFORCED IN AREAS WITH >15' OF CUT AND/OR FILL STOCKPILES (SEC. B-4-8) IN EXCESS OF 20 FT. MUST BE BENCHED WITH STABLE OUTLET. ALL CONCENTRATED FLOW, STEEP SLOPE, AND HIGHLY BRODIBLE AREAS SHALL RECEIVE SOIL STABILIZATION MATTING (SEC. B-4-6).

ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE, AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL PERMISSION FOR THEIR REMOVAL HAS BEEN

ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.

ADDITIONAL SEDIMENT CONTROL MUST BE PROVIDED, IF DEEMED NECESSARY BY THE CI THE SITE AND ALL CONTROLS SHALL BE INSPECTED BY THE CONTRACTOR WEEKLY; AND THE NEXT DAY AFTER EACH RAIN EVENT. A WRITTEN REPORT BY THE CONTRACTOR, MADE AVAILABLE UPON REQUEST, IS PART OF EVERY INSPECTION AND SHOULD INCLUDE:

-INSPECTION TYPE (ROUTINE, PRE-STORM EVENT, DURING RAIN EVENT) -NAME AND TITLE OF INSPECTOR -WEATHER INFORMATION (CURRENT CONDITIONS AS WELL AS TIME AND AMOUNT

OF LAST RECORDED PRECIPITATION) -BRIEF DESCRIPTION OF PROJECT'S STATUS (e.g. PERCENT COMPLETE) WND/OR -EVIDENCE OF SEDIMENT DISCHARGE -IDENTIFICATION OF PLAN DEFICIENCIES -IDENTIFICATION OF SEDIMENT CONTROLS THAT REQUIRE MAINTENANCE

-DENTIFICATION OF MISSING OR IMPROPERLY INSTALLED SEDIMENT CONTROLS -COMPLIANCE STATUS REGARDING THE SEQUENCE OF CONSTRUCTION AND STABILIZATION REQUIREMENTS

-MAINTENANCE AND/OR CORRECTIVE ACTION PERFORMED -OTHER INSPECTION ITEMS AS REQUIRED BY THE GENERAL PERMIT FOR STORMMATER ASSOCIATED WITH CONSTRUCTION ACTIVITIES (NPDES, MDE). TRENCHES FOR THE CONSTRUCTION OF UTILITIES IS LIMITED TO THREE PIPE LENGTHS OR THAT WHICH CAN BE, AND SHALL BE, BACK FILLED AND STABILIZED BY THE END OF

EACH WORKDAY, WHICHEVER IS SHORTER. ANY MAJOR CHANGES OIL REVISIONS TO THE PLAN OR SEQUENCE OF CONSTRUCTION MUST BE REVIEWED AND APPROVED BY THE HSCD PRIOR TO PROCEEDING WITH CONSTRUCTION, WINOR REVISIONS MAY BE ALLOWED BY THE CID PER THE LIST OF HSCD

DISTURBANCE SHALL NOT OCCUR OUTSIDE OF THE LOD. A PROJECT IS TO BE SEQUENCED SO THAT GRADING ACTIVITIES BEGIN ON ONE GRADING UNIT (MAXIMUM ACREAGE OF 20 AC. PER GRADING UNIT) AT A TIME. WORK MAY PROCEED TO A SUBSEQUENT GRADING UNIT WHEN AT LEAST 50 PERCENT OF THE DISTURBED AREA IN THE PRECEDING GRADING UNIT HAS BEEN STABILIZED AND APPROVED BY THE CID. UNLESS OTHERWISE SPECIFIED AND APPROVED BY THE HSCD, NO MORE THAN 30 ACRES CLINULATIVELY MAY BE DISTURBED

WASH WATER FROM ANY EQUIPMENT, VEHICLES, WHEELS, PAVEMENT, AND OTHER SOURCES TOPSOIL SHALL BE STOCKPILED AND PRESERVED ON-SITE FOR REDISTRIBUTION ONTO

ALL SILT FENCE AND SUPER SILT FENCE SHALL BE PLACED ON-THE-CONTOUR, AND

BE IMBRICATED AT 25' MINIMUM INTERVALS, WITH LOWER ENDS CURLED UPHILL BY 2' . STREAM CHANNELS MUST NOT BE DISTURBED DURING THE FOLLOWING RESTRICTED TIME PERIODS (INCLUSIVE): -USE I AND IP MARCH 1 - JUNE 15

-USE IV MARCH 1 - MAY 31 5. A COPY OF THIS PLAN, THE 2011 "MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL", AND ASSOCIATED PERMITS SHALL BE ON-SITE AND AVAILABLE WHEN THE SITE IS ACTIVE

SITE ANALYSIS

PARCEL 3 AREA DISTURBED:

CERPHEN

PRINTED NAME & TITLE

0,70 ACRES 0.14 ACRES AREA TO BE ROOFED OR PAVED: AREA TO BE VEGETATIVELY STABILIZED: 0.56 ACRES 310 CY* TOTAL CUT: TOTAL FILL: 310 CY*

-USE III AND INP OCTOBER 1 - APRIL 30

** OFFSITE WASTE/BORROW AREA LOCATION: * ESTIMATE ONLY; CONTRACTOR SHALL VERIFY QUANTITIES TO HIS OWN SATISFACTION. ** TO BE DETERMINED BY CONTRACTOR, WITH PRE-APPROVAL OF THE SEDIMENT CONTROL INSPECTOR, WITH AN APPROVED AND ACTIVE GRADING PERMIT.

B-4-5 STANDARDS AND SPECIFICATIONS PERMANENT STABILIZATION

TO STABILIZE DISTURBED SOILS WITH PERMANENT VEGETATION.

TO USE LONG-LIVED PERENNIAL GRASSES AND LEGUMES TO ESTABLISH PERMANENT GROUND

EXPOSED SOILS WHERE GROUND COVER IS NEEDED FOR 6 MONTHS OR MORE.

COVER ON DISTURBED SOILS.

A SELECT ONE OR MORE OF THE SPECIES OR MIXTURES LISTED IN TABLE 8.3 FOR THE APPROPRIATE PLANT HARDINESS ZONE (FROM FIGURE 8.3) AND BASED ON THE SITE CONDITION OR PURPOSE FOUND ON TABLE 8.2. ENTER SELECTED MIXTURE(S), APPLICATION RATES, AND SEEDING DATES IN THE PERMANENT SEEDING SUMMARY. THE SUMMARY IS TO BE PLACED ON THE PLAN. B. ADDITIONAL PLANTING SPECIFICATIONS FOR EXCEPTIONAL SITES SUCH AS SHORELINES,

STREAM BANKS, OR DUNES OR FOR SPECIAL PURPOSES SUCH AS WILDLIFE OR AESTHETIC TREATMENT MAY BE FOUND IN USDA-NRCS TECHNICAL FIELD OFFICE GUIDE, SECTION 342 - CRITICAL AREA PLANTING. C. FOR SITES HAVING DISTURBED AREA OVER 5 ACRES, USE AND SHOW THE RATES RECOMMENDED BY THE SOIL TESTING AGENCY D. FOR AREAS RECEIVING LOW MAINTENANCE, APPLY UREA FORM FERTILIZER (46-0-0) AT 3-1/2 POUNDS PER 1000 SQUARE FEET (150 POUNDS PER ACRE) AT THE TIME OF SEEDING IN ADDITION TO THE SOIL AMENDMENTS SHOWN IN THE PERMANENT

2. TURFGRASS MIXTURES A. AREAS WHERE TURFGRASS MAY BE DESIRED INCLUDE LAWNS, PARKS, PLAYGROUNDS AND COMMERCIAL SITES WHICH WILL RECEIVE A MEDIUM TO HIGH LEVEL OF MAINTENANCE B. SELECT ONE OR MORE OF THE SPECIES OR MOUTURES LISTED BELOW BASED ON THE SITE CONDITIONS OR PURPOSE ENTER SELECTED MIXTURE(S), APPLICATION RATES, AND SEEDING DATES IN THE PERMANENT SEEDING SUMMARY, THE SUMMARY IS TO BE PLACED

L KENTUCKY BLUEGRASS: FULL SUN MIXTURE: FOR USE IN AREAS THAT RECEIVE INTENSIVE MANAGEMENT. IRRIGATION REQUIRED IN THE AREAS OF CENTRAL MARYLAND AND EASTERN SHORE. RECOMMENDED CERTIFIED KENTUCKY BLUEGRASS CULTIVARS SEEDING RATE: 1.5 TO 2.0 POUNDS PER 1000 SQUARE FEET, CHOOSE A MINIMUM OF THREE KENTUCKY BLUEGRASS CULTIMARS WITH EACH RANGING FROM 10 TO 36 PERCENT OF THE TOTAL MIXTURE BY WEIGHT. IL KENTUCKY BLUEGRASS/PEREMINAL RYE: FULL SUN MIXTURE: FOR USE IN FULL

AREAS WHERE RAPID ESTABLISHMENT IS NECESSARY AND WHEN TURF WILL RECEIVE MEDIUM TO INTENSIVE MANAGEMENT, CERTIFIED PERENNIAL RYEGRASS CULTIVARS/ CERTIFIED KENTUCKY BLUEGRASS SEEDING RATE: 2 POUNDS MOXTURE PER 1000 QUARE FEET. CHOOSE A MINIMUM OF THREE KENTUCKY BLUEGRASS CULTIVARS WITH EACH RANGING FROM 10 TO 35 PERCENT OF THE TOTAL MIXTURE BY WEIGHT. III. TALL FESCUE/KENTUCKY BLUEGRASS: FULL SUN MOXTURE: FOR USE IN DROUGHT PROME AREAS AND/OR FOR AREAS RECEIVING LOW TO MEDIUM MANAGEMENT IN FUL

SUN TO MEDIUM SHADE. RECOMMENDED MOTURE INCLUDES; CERTIFIED TALL FESCUE CULTWARS 95 TO 100 PERCENT, CERTIFIED KENTUCKY BLUEGRASS CULTWARS 0 TO 5 PERCENT. SEEDING RATE: 5 TO 8 POUNDS PER 1000 SQUARE FEET. ONE OR MORE CULTIWARS MAY BE BLENDED. IV. KENTUCKY BLUEGRASS/FINE FESCUE: SHADE MIXTURE: FOR USE IN AREAS WITH SHADE IN BLUEGRASS LAWNS. FOR ESTABLISHMENT IN HIGH QUALITY, INTENSIVELY MANAGED TURF AREA. MOLTURE INCLUDES; CERTIFIED KENTUCKY BLUEGRASS CULTIVARS 30 TO 40 PERCENT AND CERTIFIED FINE FESQUE AND 60 TO 70 PERCENT. SEEDING RATE: 11/2 TO 3 POUNDS PER 1000 SQUARE FEET.

SELECT TURFGRASS VARIETIES FROM THOSE LISTED IN THE MOST CURRENT UNIVERSITY OF MARYLAND PUBLICATION, AGRONOMY MEMO \$77, "TURFGRASS CULTIVAR RECOMMENDATIONS FOR MARYLAND" CHOOSE CERTIFIED MATERIAL. CERTIFIED MATERIAL IS THE BEST GUARANTEE OF CULTIVAR PURITY, THE CERTIFICATION PROGRAM OF THE MARYLAND DEPARTMENT OF AGRICULTURE, TURF AND SEED SECTION, PROVIDES A RELIABLE MEANS OF CONSUMER PROTECTION AND ASSURES A PURE GENETIC

C. IDEAL TIMES OF SEEDING FOR TURF GRASS MOXTURES

- WESTEM MD: MARCH 15 TO JUNE 1, AUGUST 1TO OCTOBER 1 (HARDINESS ZONES: SA 8A) - CENTRAL MD: MARCH 1 TO MAY 15, AUGUST 15 TO OCTOBER 15 (HARDINESS ZONE: 88) - SOUTHERN MD, EASTERN SHORE: MARCH 1 TO MAY 15, AUGUST 15 TO OCTOBER 1

2 TO 4 INCHES, LEVEL AND RAKE THE AREAS TO PREPARE A PROPER SEEDBED. REMOVE STONES AND DEBRIS OVER 1% INCHES IN DIAMETER. THE RESULTING SEEDBED MUST BE IN SUCH CONDITION THAT FUTURE MOWING OF GRASSES WILL POSE NO DIFFICULTY. IF SOIL MOISTURE IS DEFICIENT, SUPPLY NEW SEEDINGS WITH ADEQUATE WATER FOR PLANT GROWTH (1/2 TO 1 INCH EVERY 3 TO 4 DAYS DEPENDING ON SOIL TEXTURE) UNTIL THEY ARE FIRMLY ESTABLISHED. THIS IS ESPECIALLY TRUE WHEN SEEDINGS ARE MADE LATE IN THE PLANTING SEASON, IN ABNORMALLY DRY OR HOT SEASONS, OR ON ADVERSE SITES.

SOD: TO PROVIDE QUICK COVER ON DISTURBED AREAS (2:1 GRADE OR FLATTER).

A CLASS OF TURFGRASS SOD MUST BE MARYLAND STATE CERTIFIED. SOD LABELS MUST BE MADE AWAR ARKE TO THE JOB FOREMAN AND INSPECTOR. B. SOD MUST BE MACHINE CUT AT A UNIFORM SOIL THICKNESS OF 3/4 INCH, PLUS OR MINUS X INCH, AT THE TIME OF CUTTING, MEASUREMENT FOR THICKNESS MUST EXCLUDE TOP GROWTH AND THATCH. BROKEN PADS AND TOM OR UNEVEN ENDS WILL NOT BE

C. STANDARD SIZE SECTIONS OF SOD MUST BE STRONG ENOUGH TO SUPPORT THEIR OWN WEIGHT AND RETAIN THEIR SIZE AND SHAPE WHEN SUSPENDED VERTICALLY WITH A FIRM GRASP ON THE UPPER 10 PERCENT OF THE SECTION. D. SOD MUST NOT BE HARVESTED OR TRANSPLANTED WHEN MOISTURE CONTENT (EXCESSIVELY DRY OR WET) WAY ADVERSELY AFFECT ITS SURVIVAL. SOD MUST BE HARVESTED, DELIVERED, AND INSTALLED WITHIN A PERIOD OF 36 HOURS. SOO NOT TRANSPLANTED WITHIN THIS PERIOD MUST BE APPROVED BY AN AGRONOMIST OR SOIL SCIENTIST PRIOR TO ITS INSTALLATION.

 SOD INSTALLATION
 A DURING PERIODS OF EXCESSIVELY HIGH TEMPERATURE OR IN AREAS HAVING DRY SUBSOIL.
 LIGHTLY IRRIGATE THE SUBSOIL IMMEDIATELY PRIOR TO LAYING THE SOD. B. LAY THE FIRST ROW OF SOD IN A STRAIGHT LINE WITH SUBSEQUENT ROWS PLACED PARALLEL TO IT AND TIGHTLY WEDGED AGAINST EACH OTHER. STAGGER LATERAL JOINTS TO PROMOTE MORE UNIFORM GROWTH AND STRENGTH. ENSURE THAT SOD IS NOT STRETCHED OR OVERLAPPED AND THAT ALL JOINTS ARE BUTTED TIGHT IN ORDER TO PREVENT YOU'S WHICH WOULD CAUSE AIR DRYING OF THE ROOTS. WHEREVER POSSIBLE, LAY SOD WITH THE LONG EDGES PARALLEL TO THE CONTOUR AND WITH STAGGERING JOINTS, ROLL AND TAMP, PEG OR OTHERWISE SECURE THE SOD TO PREVENT SLIPPAGE ON SLOPES. ENSURE SOLID CONFACT EXISTS BETWEEN SOD ROOTS AND THE). WATER THE SOO IMMEDIATELY FOLLOWING ROLLING AND TAMPING UNTIL THE UNDERSIDE O THE NEW SOD PAD AND SOIL SURFACE BELOW THE SOD ARE THOROUGHLY WET. COMPLETE THE OPERATIONS OF LAYING, TAMPING AND IRRIGATING FOR ANY PIECE OF SOD WITHIN EIGHT

A. IN THE ABSENCE OF ADEQUATE RAINFALL, WATER DAILY DURING THE FIRST WEEK OR AS OFTEN AND SUFFICIENTLY AS NECESSARY TO MAINTAIN MOIST SOIL TO A DEPTH OF 4 INCHES. WATER SOO DURING THE HEAT OF THE DAY TO PREVENT WILTING. 3. AFTER THE FIRST WEEK, SOD WATERING IS REQUIRED AS NECESSARY TO MAINTAIN ADEQUATE MOISTURE CONTENT. C. DO NOT MOW UNTIL THE SOO IS FIRMLY ROOTED. NO MORE THAN 1/3 OF THE GRASS LEAF MUST BE REMOVED BY THE INITIAL CUTTING OR SUBSEQUENT CUTTINGS. MAINTAIN A

GRASS HEIGHT OF AT LEAST 3 INCHES UNLESS OTHERWISE SPECIFIED.

R-4-2 STANDARDS AND SPECIFICATIONS SOIL PREPARATION, TOPSOILING AND SOIL AMENDMENTS

THE PROCESS OF PREPARING THE SOILS TO SUSTAIN ADEQUATE VEGETATIVE STABILIZATION.

TO PROVIDE A SUITABLE SOIL MEDIUM FOR VEGETATIVE GROWTH. CONDITIONS WHERE PRACTICE APPLIES WHERE VEGETATIVE STABILIZATION IS TO BE ESTABLISHED.

 TEMPORARY STABILIZATION
 A. SEEDBED PREPARATION CONSISTS OF LOOSENING SOIL TO A DEPTH OF 3 TO 5 INCHES
 BY MEANS OF SUITABLE AGRICULTURAL OR CONSTRUCTION EQUIPMENT, SUCH AS DIS HARROWS OR CHISEL PLOWS OR RIPPERS MOUNTED ON CONSTRUCTION EQUIPMEN AFTER THE SOIL IS LOOSENED, IT MUST NOT BE ROLLED OR DRAGGED SMOOTH BUT LEFT IN THE ROUGHENED CONDITION. SLOPES 3:1 OR FLATTER ARE TO BE TRACKED WITH RIDGES RUNNING PARALLEL TO THE CONTOUR OF THE SLOPE. B. APPLY FERTILIZER AND LIME AS PRESCRIBED ON THE PLANS.

. INCORPORATE LIME AND FERTILIZER INTO THE TOP 3 TO 5 INCHES OF SOIL BY DISKING OR OTHER SUITABLE MEANS. PERMANENT STABILIZATION A. A SOIL TEST IS REQUIRED FOR ANY EARTH DISTURBANCE OF 5 ACRES OR MORE. THE

MINIMUM SOIL CONDITIONS REQUIRED FOR PERMANENT VEGETATIVE ESTABLISHMENT ARE: I. SOIL PH BETWEEN 6.0 AND 7.0. . SOLUBLE SALTS LESS THAN 500 PARTS PER MILLION (PPM). III. SOIL CONTAINS LESS THAN 40 PERCENT CLAY BUT ENOUGH FINE GRAINED MATERIAL (GREATER THAN 30 PERCENT SILT PLUS CLAY) TO PROVIDE THE CAPACITY TO HOLD A MODERATE AMOUNT OF MOISTURE, AN EXCEPTION: IF LOVEGRASS WILL BE PLANTED, THEN A SANDY SOIL (LESS THAN 30 PERCENT SILT PLUS CLAY) WOULD

IV. SOIL CONTAINS 1.5 PERCENT MINIMUM ORGANIC MATTER BY WEIGHT.
V. SOIL CONTAINS SUFFICIENT PORE SPACE TO PERMIT ADEQUATE ROOT PENETRATION. B. APPLICATION OF AMENDMENTS OR TOPSOIL IS REQUIRED IF ON-SITE SOILS DO NOT MEET C. GRADED AREAS MUST BE MAINTAINED IN A TRUE AND EVEN GRADE AS SPECIFIED ON

THE APPROVED PLAN, THEN SCARIFIED OR OTHERWISE LOOSENED TO A DEPTH OF 3 TO

D. APPLY SOIL AMENDMENTS AS SPECIFIED ON THE APPROVED PLAN OR AS INDICATED BY THE RESULTS OF A SOIL TEST. E. MIX SOIL AMENDMENTS INTO THE TOP 3 TO 5 INCHES OF SOIL BY DISKING OR OTHER SUITABLE MEANS, RAKE LAWN AREAS TO SMOOTH THE SURFACE, REMOVE LARGE OBJECTS LIKE STONES AND BRANCHES, AND READY THE AREA FOR SEED APPLICATION. LOOSEN SURFACE SOIL BY DRAGGING WITH A HEAVY CHAIN OR OTHER EQUIPMENT TO ROUGHEN HE SURFACE WHERE SITE CONDITIONS WILL NOT PERMIT NORMAL SEEDBED PREPARATION. TRACK SLOPES 3:1 OR FLATTER WITH TRACKED EQUIPMENT LEAVING THE

OF THE SLOPE, LEAVE THE TOP 1 TO 3 INCHES OF SOIL LOOSE AND FRIABLE.

SEEDBED LOOSENING MAY BE UNNECESSARY ON NEWLY DISTURBED AREAS.

L TOPSOIL IS PLACED OVER PREPARED SUBSOIL PRIOR TO ESTABLISHMENT OF PERMANENT VEGETATION. THE PURPOSE IS TO PROVIDE A SUITABLE SOIL MEDIUM FOR VEGETATIVE GROWTH. SOILS OF CONCEM HAVE LOW MOISTURE CONTENT, LOW MUTRIENT LEVELS, LOW PH, MATERIALS TOXIC TO PLANTS, AND/OR UNACCEPTABLE SOIL GRADATION. TOPSON, SALVAGED FROM AN EXISTING SITE MAY BE USED PROVIDED IT MEETS THE STANDARDS AS SET FORTH IN THESE SPECIFICATIONS. TYPICALLY, THE DEPTH OF

REPRESENTATIVE SOIL PROFILE SECTION IN THE SOIL SURVEY PUBLISHED BY USDA-. TOPSOILING IS LIMITED TO AREAS HAVING 2:1 OR FLATTER SLOPES WHERE A THE TEXTURE OF THE EXPOSED SUBSOIL/PARENT MATERIAL IS NOT ADEQUATE TO B. THE SOIL MATERIAL IS SO SHALLOW THAT THE ROOTING ZONE IS NOT DEEP ENOUGH TO SUPPORT PLANTS OR FLIRNISH CONTINUING SUPPLIES OF MOISTURE AND PLANT

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. . Areas having slopes steeper than 2:1 require special consideration and TOPSOIL SPECIFICATIONS: SOIL TO BE USED AS TOPSOIL MUST MEET THE FOLLOWIN

I, TOPSOIL MUST BE A LOAM, SANDY LOAM, CLAY LOAM, SILT LOAM, SANDY CLAY LOAM OR LOAMY SAND. OTHER SOILS MAY BE USED IF RECOMMENDED BY AN AGRONOMIST O SOIL SCIENTIST AND APPROVED BY THE APPROPRIATE APPROVAL AUTHORITY, TOPSOIL MUST NOT BE A MIXTURE OF CONTRASTING TEXTURED SUBSOILS AND MUST CONTAIN LESS THAN 5 PERCENT BY VOLUME OF CINDERS, STONES, SLAG, COARSE FRAGMENTS, GRAVEL, STICKS, ROO TRASH, OR OTHER MATERIALS LARGER THAN 1½ INCHES IN DIAMETER. B. TOPSOIL MUST BE FREE OF NOXIOUS PLANTS OR PLANT PARTS SUCH AS BERMUDA grass, quack grass, Johnson grass, hut sedge, poison by, thistle, or others TOPSOIL SUBSTITUTES OR AMENDMENTS, AS RECOMMENDED BY A QUALIFIED AGRONOMIST OR SOIL SCIENTIST AND APPROVED BY THE APPROPRIATE APPROVAL

JUTHORITY, MAY BE USED IN LIEU OF NATURAL TOPSOIL A EROSION AND SEDIMENT CONTROL PRACTICES MUST BE MAINTAINED WHEN APPLYING PSUIL.
UNIFORMLY DISTRIBUTE TOPSOIL IN A 5 TO 8 INCH LAYER AND LIGHTLY COMPACT TO A MINIMUM THICKNESS OF 4 INCHES. SPREADING IS TO BE PERFORMED IN SUCH A MANNER THAT SODDING OR SEEDING CAN PROCEED WITH A MINIMUM OF ADDITIONAL SOIL PREPARATION AND TILLAGE. ANY PREGULARITIES IN THE SURFACE RESULTING FROM TOPSOILING OR OTHER OPERATIONS MUST BE CORRECTED IN ORDER TO PREVENT THE FORMATION OF DEPRESSIONS OR WATER POCKETS. C. TOPSOIL MUST NOT BE PLACED IF 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.

C. SOIL AMENDMENTS (FERTILIZER AND LIME SPECIFICATIONS) I. SOIL TESTS MUST BE PERFORMED TO DETERMINE THE EXACT RATIOS AND APPLICATION RATES FOR BOTH LINE AND FERTILIZER ON SITES HAVING DISTURBED AREAS OF 5 ACRES OR MORE SOIL ANALYSIS MAY BE PERFORMED BY A RECOGNIZED PRIVATE OR COMMERCIAL LABORATORY, SOIL SAMPLES TAKEN FOR ENGINEERING PURPOSES WAY ALSO E USED FOR CHEMICAL ANALYSES. 2. FERTILIZERS MUST BE UNIFORM IN COMPOSITION, FREE FLOWING AND SUITABLE FOR ACCURATE APPLICATION BY APPROPRIATE EQUIPMENT. MANURE MAY BE SUBSTITUTED FOR FERTILIZER WITH PRIOR APPROVAL FROM THE APPROPRIATE APPROVAL AUTHORITY. FERTILIZERS MUST ALL BE DELIVERED TO THE SITE FULLY LABELED ACCORDING TO THE APPLICABLE LAWS AND MUST BEAR THE NAME, TRADE NAME OR TRADEMARK AND WARRANTY OF THE PRODUCER. 3. LIME MATERIALS MUST BE GROUND LIMESTONE (HYDRATED OR BURNT LIME MAY BE SUBSTITUTED EXCEPT WHEN HYDROSEEDING) WHICH CONTAINS AT LEAST 50 PERCENT TOTAL OXIDES (CALCIUM OXIDE PLUS MAGNESIUM OXIDE), LINESTONE MUST BE GROUND

TO SUCH FINENESS THAT AT LEAST 50 PERCENT WILL PASS THROUGH A \$100 MESH

B-4-3 STANDARDS AND SPECIFICATIONS

SEEDING AND MULCHING

THE APPLICATION OF SEED AND MULCH TO ESTABLISH VEGETAVE COVER.

TO PROTECT DISTURBED SOILS FROM EROSION DURING AND A THE END OF CONSTRUCTION.

TO THE SURFACE OF ALL PERIMETER CONTROLS, SLOPES, ANCANY DISTURBED AREA NOT UNDER ACTIVE

1.SPECIFICATIONS

A ALL SEED MUST MEET THE REQUIREMENTS OF THE MRYLAND STATE SEED LAW. ALL SEED MUST I SUBJECT TO RE-TESTING BY A RECOGNIZED SEED LIBORATORY. ALL SEED USED MUST HAVE BEEN TESTED WITHIN THE 8 MONTHS HAMEDIATELY PRECEDING THE DATE OF SOWING SUCH MATERIAL ON ANY PROJECT, REFER TO TABLE B.4 REGARDING THE QUALITY OF SEED, SEED TAGS MUST BE AVAILABLE UPON REQUEST TO THE INSPECTOR TO VEHILY TYPE OF SEED AND SEEDING RATE. B. MULCH ALONE MAY BE APPLIED BETWEEN THE FALL AND SPRING SEEDING DATES ONLY IF THE GROUND IS FROZEN. THE APPROPRIATE SEEDING MIXTUR MUST BE APPLIED WHEN THE GROUND

. INOCULANTS: THE INOCULANT FOR TREATING LEGUME SEED IN THE SEED MIXTURES MUST BE A PURE CULTURE OF NITROGEN FIXING BACTERIA PREPARED SPECIFICALLY FOR THE SPECIES.
INOCULANTS MUST NOT BE USED LATER THAN THE DATE INDICATED ON THE CONTAINER. ADD FRESH INOCULANTS AS DIRECTED ON THE PACKAGE. USE FOURTIMES THE RECOMMENDED RATE WHEN HYDROSEEDING. NOTE: IT IS VERY IMPORTANT TO KEEP MOCULANT AS COOL AS POSSIBLE UNTIL USED. TEMPERATURES ABOVE 75 TO 80 DEGREES FAHRINHEIT CAN WEAKEN BACTERIA AND MAKE D. SOO OR SEED MUST NOT BE PLACED ON SOIL WHICH HAS BEEN TREATED WITH SOIL STERILANTS OR CHEMICALS USED FOR WEED CONTROL LINTIL SUFFICENT TIME HAS ELAPSED (14 DAYS MIN.) TO PERMIT DISSIPATION OF PHYTO-TOXIC MATERIALS.

A DRY SEEDING: THIS INCLUDES USE OF CONVENTIONAL DROP OR BROADCAST SPREADERS.

L INCORPORATE SEED INTO THE SUBSOIL AT THE RATES PRESCRIBED ON TEMPORARY SEEDING TABLE 8.1, PERMANENT SEEDING TABLE 8.3, OR STE-SPECIFIC SEEDING SUMMARIES. II. APPLY SEED IN TWO DIRECTIONS, PERPENDICULAR TO EACH OTHER. APPLY HALF THE SEEDING RATE IN EACH DIRECTION. ROLL THE SEEDED AREA WITH A WEIGHTED ROLLER TO PROVIDE GOOD

B. DRILL OR CULTIPACKER SEEDING: MECHANIZED SEEDERS THAT APPLY AND COVER SEED WITH SOIL.

I. CULTIPACKING SEEDERS ARE REQUIRED TO BURY THE SEED IN SUCH A FASHION AS TO PROVIDE. AT LEAST 1/4 INCH OF SOIL COVERING. SEEDBED MUST BE FIRM AFTER PLANTING.

II. APPLY SEED IN TWO DIRECTIONS, PERPENDICULAR 10 EACH OTHER. APPLY HALF THE SEEDING C. HYDROSEEDING: APPLY SEED UNIFORMLY WITH HYDROSEEDER (SLURRY INCLUDES SEED AND

I. IF FERTILIZER IS BEING APPLIED AT THE TIME OF SEEDING, THE APPLICATION RATES SHOULD NOT EXCEED THE FOLLOWING: NITROGEN, 100 POUNDS PER ACRE TOTAL OF SOLUBLE NITROGEN; P205 (PHOSPHOROUS), 200 POUNDS PER ACRE; (20 (POTASSIUM), 200 POUNDS PER ACRE. II. LIME: USE ONLY GROUND AGRICULTURAL LIMESTONE (UP TO 3 TONS PER ACRE MAY BE APPLIED BY HYDROSEEDING). NORMALLY, NOT MORE THAN ! TONS ARE APPLIED BY HYDROSEEDING AT ANY ONE TIME. DO NOT USE BURNT OR HYDRATED LIME WHEN HYDROSEEDING.

III. MIX SEED AND FERTILIZER ON SITE AND SEED IMMEDIATELY AND WITHOUT INTERRUPTION.

L MULCH MATERIALS (IN ORDER OF PREFERENCE)

A. STRAW CONSISTING OF THOROUGHLY THRESHED WHEAT, LYE, OAT, OR BARLEY AND REASONABLY BRIGHT IN COLOR. STRAW IS TO BE FREE OF NOXIOUS WEED SEEDS AS SPECIFIED IN THE MARYLAND SEED LAW AND NOT MUSTY, MOLDY, CAKED, DECAYED, OR EXCESSIVELY DUSTY. NOTE: USE ONLY STERILE STRAW MULCH IN AREAS WHERE ONE SPECIES OF GRASS IS DESIRED. 8. WOOD CELLULOSE FIBER MULCH (WCIM) CONSISTING OF SPECIALLY PREPARED WOOD CELLULOSE

PROCESSED INTO A UNIFORM FIBROUS PHYSICAL STAT . WOFM IS TO BE DYED GREEN OR CONTAIN A GREEN DYE IN THE PACKAGE THAT WILL PROVIDE AN APPROPRIATE COLOR TO FACILITATE VISUAL INSPECTION OF THE UNIFORMLY SPREAD SLURRY. . WCFM, INCLUDING DYE, MUST CONTAIN NO GETMINATION OR GROWTH INHIBITING FACTORS. I. WOFM MATERIALS ARE TO BE MANUFACTURED AND PROCESSED IN SUCH A MANNER THAT THE WOOD CELLULOSE FIBER MULCH WILL REMAIN IN UNIFORM SUSPENSION IN WATER UNDER AGITATION AND WILL BLEND WITH SEED, FERTILIZER AND OTHER ADDITIVES TO FORM A HONOGENEOUS SLURRY. THE MULCH MATERIAL MUST FORM A BLOTTER-LIKE GROUND COVER, OH APPLICATION, HAVING MOISTURE ABSORPTION AND PERCOLATION PROPERTIES AND MUST COVER ANE HOLD GRASS SEED IN CONTACT WITH THE SOIL WITHOUT IV. WCFM MATERIAL MUST NOT CONTAIN ELEMENTS OR COMPOUNDS AT CONCENTRATION LEVELS THAT WILL BE

PHYTO-TOXIC.

V. WCPM MUST CONFORM TO THE FOLLOWING PHYSICAL REQUIREMENTS: FIBER LENGTH OF APPROXIMATELY 10 MILLIMETERS, DIAMETER APPROXIMATELY 1 MILLIMETER, PH RANGE OF 4.0 TO 8.5, ASH CONTENT OF 1.6 PERCENT MAXIMUM AND WATER HOLDING CAPACITY OF 90 PERCENT MINIMUM.

IV. WHEN HYDROSEEDING DO NOT INCORPORATE SEED INTO THE SOIL

A. APPLY MULCH TO ALL SEEDED AREAS IMMEDIATELY AFTER SEEDING. B. WHEN STRAW MULCH IS USED, SPREND IT OVER ALL SEEDED AREAS AT THE RATE OF 2 TONS PER ACRE TO A UNIFORM LOOSE DITTH OF 1 TO 2 INCHES. APPLY MULCH TO ACHIEVE A UNIFORM DISTRIBUTION AND DEPTH 50 THAT THE SOIL SURFACE IS NOT EXPOSED. WHEN USING A MULCH ANCHORING TOOL, INCREASE THE APPLICATION RATE TO 2.5 TONS PER ACRE.

C. WOOD CELLULOSE FIBER USED AS MULCH MUST BE APPLIED AT A NET DRY WEIGHT OF 1500 POUNDS PER ACRE, MIX THE WOOD CELLULOSE FIBER WITH WATER TO ATTAIN A MOTURE WITH A

MAXIMUM OF 50 POUNDS OF WOOD CELLULOSE FIBER PER 100 GALLONS OF WATER. A. PERFORM MULCH ANCHORING IMMEDIATELY FOLLOWING APPLICATION OF MULCH TO MINIMAZE LOSS BY WIND OR WATER. THIS MAY BE GAME BY ONE OF THE FOLLOWING METHODS (LISTED BY PREFERENCE), DEPENDING UPON THE SIZE OF THE AREA AND EROSION HAZARD:

1. A MULCH ANCHORING TOOL IS A TRACTOR DRAWN IMPLEMENT DESIGNED TO PUNCH AND ANCHOR MULCH INTO THE SOIL SURFACE A MINIMUM OF 2 INCHES. THIS PRACTICE IS MOST EFFECTIVE ON LARGE AREAS, BUT

IS LIMITED TO FLATTER SLOPES WHERE EQUIPMENT CAN OPERATE SAFELY. IF USED ON SLOPING LAND, PRACTICE SHOULD FOLLOW THE CONTOUR. II. WOOD CELLULOSE FIBER MAY BE USED FOR MICHORING STRAW, APPLY THE FIBER BINDER AT A NET DRY WEIGHT OF 750 POUNDS PER ACRE, MIX THE WIND CELLULOSE FIBER WITH WATER AT A MAXIMUM OF 50 POUNDS OF WOOD CELLULOSE FIBER PER 100 GALLONS OF WATER.

IV. LIGHTWEIGHT PLASTIC NETTING MAY BE STAPLED OVER THE MULCH ACCORDING TO MANUFACTURER RECOMMENDATIONS. NETTING IS USUALLY AVAILABLE IN ROLLS 4 TO 15 FEET WIDE AND 300 TO 3,000 FEET

III. SYNTHETIC BINDERS SUCH AS ACRYLIC DLR (NIRO-TACK), DCA--70, PETROSET,
TERRA TAX II, TERRA TACK AR OR OTHER APPROVED EQUAL MAY BE USED. FOLLOW APPLICATION RATES AS
SPECIFIED BY THE MANUFACTURER. APPLICATION OF LIQUID BINDERS NEEDS TO BE HEAVIER AT THE EDGES
WHERE WIND CATCHES MULCH, SUCH AS IN VALLEYS AND ON CRESTS OF BANKS. USE OF ASPHALT BINDERS
SSTRICTLY DROUBLOTTED.

B-4-4 STANDARDS AND SPECIFICATIONS TEMPORARY STABILIZATION

TO STABILIZE DISTURBED SOILS WITH VEGETATION FOR UP TO 6 MONTHS.

TO USE FAST GROWING VEGETATION THAT PROVIDES COVER ON DISTURBED SOILS.

EXPOSED SOLLS WHERE GROUND COVER IS NEEDED FOR A PERIOD OF 6 MONTHS OR LESS. FOR LONGER DURATION OF TIME, PERMANENT STABILIZATION PRACTICES ARE REQUIRED.

1. SELECT ONE OR MORE OF THE SPECIES OR SEED MIXTURES LISTED IN TABLE 8.1

FOR THE APPROPRIATE PLANT HARDINESS ZONE (FROM FIGURE B.3), AND ENTER THEM IN THE TEMPORARY SEEDING SUMMARY BELOW ALONG WITH APPLICATION RATES, SEEDING DATES AND SEEDING DEPTHS. IF THIS SUMMARY IS NOT PUT ON THE PLAN NO COMPLETED, THEN TABLE 8.1 PLUS FERTILIZER AND LIME RATES MUST BE PUT 2. FOR SITES HAVING SOIL TESTS PERFORMED, USE AND SHOW THE RECOMMENDED RATES BY THE TESTING AGENCY. SOIL TESTS ARE NOT REQUIRED FOR TEMPORARY 3. WHEN STABILIZATION IS REQUIRED OUTSIDE OF A SEEDING SEASON, APPLY AND MULCH OR STRAW MULCH ALONE AS PRESCRIBED IN SECTION B-4-3.A.1.B AND

TEMPORARY SEEDING SUMMARY

	HARDINESS ZO SEED MIXTURE	FELIZER RATE	LIME RATE			
NO	SPECIES	APPLICATION RATE (LB/AC)	SEEDING DATES	SEEDING DEPTHS	(10-20-20)	UME POLE
1	COOL SEASON ANNUAL RYEGRASS OR EQUAL	40 LB / AC	MAR 1 TO MAY 15 AUG 1 TO OCT 15	1/2 IN.	436 LB/AC (10 LB PER 1000 SF)	
2	WARM SEASON FOXTAIL MILLET OR EQUAL	30 LB / AC	MAY 16 TO JUL 31	1/2 N.		

DETAIL C-8 DIVERSION FENCE

OR PROVIDE STATISTICS MATTER

CONSTRUCTION SPECIFICATIONS

10 FT MAX

ELEVATION

USE 2% MON DIAMETER ONLYMMETED STEEL POSTS OF GLOSS MICH WALL TRACKPESS AND SIX POST LENGTH SPACED NO FURTHER THAN 10 FRET APART. THE POSTS DO NOT MEED TO BE SET IN CONCRETE.

SECURE 10 ME, OR THOUGH UV RESISTANT, IMPERIGABLE SHEETING TO CHAIR LAN FENCE WITH THE SPACED ENGRY 24 BIOLOGI AT TOP, MED SECTION, AND SECON SHOUND SUFFACE.

WHEN THE SECTIONS OF SHEETING ACTION EACH OTHER, OMENLAP BY 6 SECHES AND FOLD WIN SEAM PACING COUNTRICK.

LS. INVESTIGAT OF ANICOLOUS MANUAL 2011 MANUAL CONTRACT OF BRIDERY

57-1

THE REPORT OF MICH.

THE ST MEN. HEIGHT OF

STREET AND SALES OF A PER ALCON PART SERVICE AND SHEET OF A SERVICE OF

. FASTEN CHAIN LINK FENCE SECURELY TO THE PENCE POSTS WITH WHE TEST

ACCUMBATED REDMENT AND DEBRIS. MARTAIN POSTINE DRIBMAGE.

THE THE ON BOTH SEED OF PRINCE

B-48 STANDARDS AND SPECIFICATION

STOCKPILE ARE

mound or pile of soil protected by appropriately designed eresion and sediment control measures.

provide a designated location for the temporary scorage of soil that controls the potential for ecosion,

Stockpile arese are utilized when it is necessary to ealwage and store soll for later use

The footprint of the stockplie must be sized to accommodate the satisfaces witness of material and based on a side stope ratio no steeper than 2:1. Sembling must be provided in accordance with Section 3-1 Land Grading.

3. Runoff from the stockpile area must drain to a suitable sediment control practice Access the stockpile area from the upgrade sid

control practice asset be used to intercept the discharge.

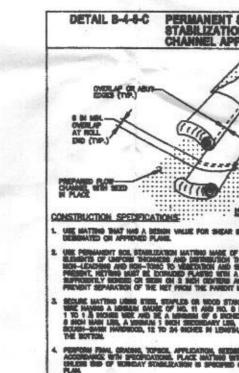
5. Clear water runoff into the stockpile area must be minimized by use of a diversion device such as an earth disc, temporary swale or diversion fence. Provisions must be made for discharging concentrated flow in a non-enceive measurer. 6. Where runoff concentrates along the toe of the stockpile fill, an appropriate crosion/sediment

. The stockpile location and all related sediment control practices must be clearly indicated on the

 Stockpiles must be teibilized in accordance with the 3/7 day stabilization requirement as well as Standard B-4-1 incremental Stabilization and Standard B-4-4 Temporary Stabilization. If the stockpile is located on an impervious surface, a lines should be provided below the stockpile to facilitate eleanup. Stockpiles containing contaminated material smart be covered with impermeable

scoordance with Section 3-4 Vegetative Stabilization. Side slopes must be maintained at no except than a 2: ratio. The stockpille area must be idept free of evosion. If the vertical height of a stockpille assessed 20 fact for 2: slopes, 30 feet for 3:1 slopes, or 40 feet for 4:1 slopes, benching must be provided in accordance with Section B-J

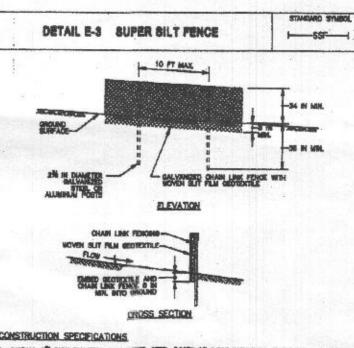
PLAN WEW MATERIAL STANDARDS AND SPECIFICATIONS FOR SOL GROSION AND SECURING CONTROL LLL DEPOSITIONS OF ASSOCIATION SERVICE 2011 MARYLAGE EXPOSITIONS OF MARYLAGE E



A COMMAND FROM STATES, APPLICATION, SETTING PROPRIATED, AND PROMERTY SETTING IN ACCOUNT. AND PROPRIATED SETTING OF COMMAND AS A RESULT OF A LIBRALL MATTERS OF SHEEDTERS OF WATER FLOW, CONTRIBUTE THE PRINT MALL ON THE CHAMPIEL CENTER LIBE.
WITH FROM CONTRICT OF CONTRIC CUTTERED WHITE FLAMES MALLE. LAY MATTERS SECONDLY AND FRIELY UPON
THE MERCED SHAFACE, AND ETHEROMOG THE MATTERS. OWNERS OR SHAT EDGES OF MATERIC ROLLS FOR MANUFACTURES RECOMMENDATIONS, OWNERS FROM BY A RICHER OWNERS, WITH THE INFORMAL MAT OWNERSPRING ON THE OF THE REST DOUBLE-MENT MAT.

7. HEY RY THE TOP OF SLOPE EDG OF MAY 6 MONES COMMAND BY DISCOME A TREMCH, PLACES THE MATERIA HOLL BOD IN THE TENDO, STOPLESS THE MAY IN PLACE, REPLACES THE DECAMATED MATERIAL, AND THEFFINA TO SECREE WE MAY DISCOVE THE SEC. STAPLE/STAME MAT BY A STANDARD PATTERN ON 4 POOT (MADRIAL) CENTERS THROUGHOUT AND 2 POOT (MADRIAL) CENTERS ALONG SEAMS, JOSES, AND WOLL SEDE.

A P SPECIAL ST THE REGISSER OF MANUFACTURES AND DEPOSITION OF THE THE WEST WIND METALLED COUNTY WITH MATCHING IN MALE AND EXPLANED OF FRANCE AND LANGUAGE WITH AND LIBERTY COUNTY OF ROLL TO MANUFACT, AND COUNTY WEIGHT CONTROL TO MANUFACT, AND COUNTY WEIGHT COMPANY ON THE THE PROPERTY WEIGHT COMPA U.S. DEPARTMENT OF ASSOCIATIONS METHOD METHOD DEPARTMENT OF DESIGNATION OF DESIGN



BRITALL 25 BICH CLAMETER GALVANITED STEEL POSTS OF GLOSS INCH WALL THICKNESS AND SIX FOO LENGTH SPACED NO PARTHER THAN TO FEET APART, DRIVE THE POSTS A MARINAM OF 36 INCHES MITO THE ORGANIA. PARTER I GALVER OR HEAVER GALVANIZED CHAIN LINK PENCE (25 SICH MADENIM CPENNE) 42 INCHES IN HEIGHT SECURELY TO THE PENCE POSTS WITH WIRE TEST OR HUZ ROMES.

PASTEN WOMEN BLIT FRAM GEOTIECTILE AS SPECIFIED IN SECTION 14-1 MATERIALS, SECURIELY TO THE UPSLOPE SEE OF CHAIN LIRK FENCE WITH THES SPACED EMERY 24 INCHES AT THE TOP AND MES INCHES INTO THE GROUND. WHERE DIGS OF THE GEOTEVILLE COME TOGETHER, THE EMOS SHALL BE OMERLAPPED BY 8 NOMES, POLDED, AND STAPLED TO PREVENT SEDMENT BY PAGE.

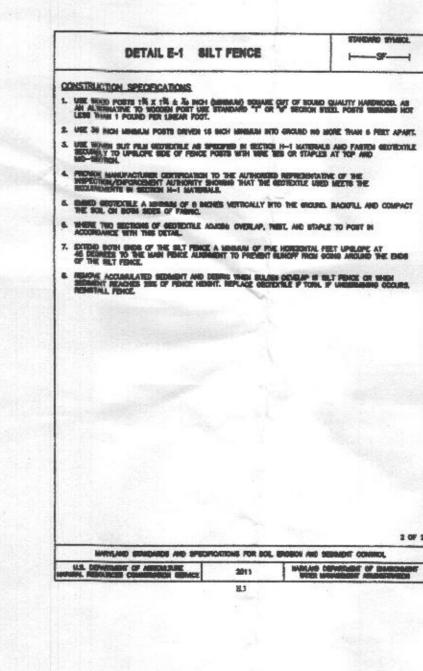
EXTENS BOTH TRUS OF THE SUPER SLT FEMOX A SERMINA OF FIVE HORIZONTAL PRET LIPELONG AT 45 DECREES TO THE MAIN FEMOX ALCHHAENT TO PREVENT RUMOFF PROM GOBIG ASSOLUTE THE ENCY.

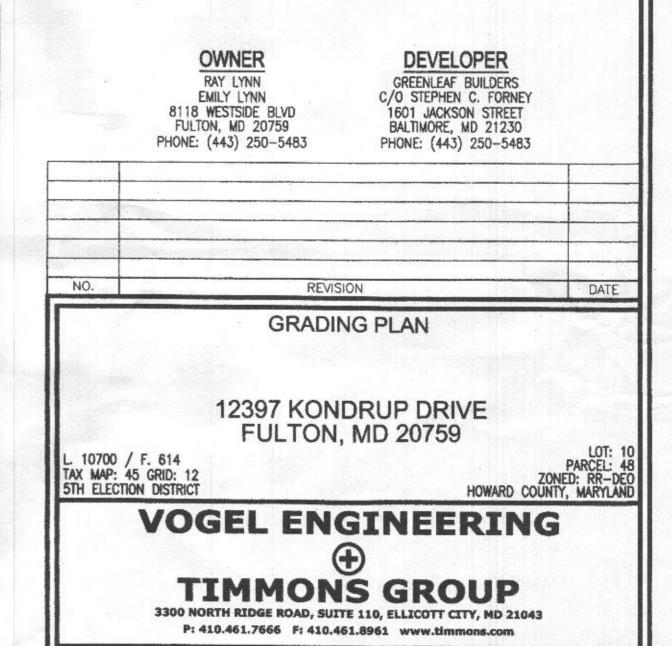
8. PROVICE MANUFACTURER CERTIFICATION TO THE INSPECTION REPORCEMENT AUTHORITY SHOWING THAT SECTIONAL USED MIGHT THE REQUIREMENTS IN SECTION H-1 MATERIALS.

. MODIOVE ACCUMULATED SEDMENT AND DEBRIS WHEN BULGES DEVELOP IN FENCE OR WHEN SEDEMENT REACHES SING OF FENCE RECENT, REPLACE GEOTENTILE F YORK, F (INDERHOSING COCURS, REMISTALL CHAN LINK FORCING AND GEOTESTILE. MATTLAND STANDARDS AND EPECHTORIS FOR SOIL ENDBOM AND SEDIMENT CONTROL

U.S. DEPARTMENT OF ASSOCIATIONS SERVICE 3011 MARYLAND DEPARTMENT OF ENVIRONMENT MATCH. MARYLAND DEPARTMENT OF ENVIRONMENT ADMINISTRATION OF ENVIRONMENT ADMI

SIEVE AND 98 TO 100 PERCENT WILL PASS THROUGH A \$20 MESH SIEVE. 4. LIME AND FERTILIZER ARE TO BE EVENLY DISTRIBUTED AND INCORPORATED INTO THE TOP 3 TO 5 INCHES OF SOIL BY DISKING OR OTHER SUITABLE MEANS. 5. WHERE THE SUBSOIL IS EITHER HIGHLY ACIDIC OR COMPOSED OF HEAVY CLAYS, SPREAD GROUND LIMESTONE AT THE RATE OF 4 TO 8 TONS/ACRE (200-400 POUNDS SAVITANO STABBARDS AND SPECIFICARONS FOR SOIL EROSION AND SEDERAT CONTROL.





DESIGN BY DRAWN B

CHECKED BY:

AS SHOWN

SCALE:

ROBERT H. VOGEL, PE No. 1619.

W.O. NO .:

SEQUENCE OF CONSTRUCTION

PER 1,000 SQUARE FEET) PRIOR TO THE PLACEMENT OF TOPSOIL

2. REQUEST A PRE-CONSTRUCTION MEETING WITH THE HOWARD COUNTY DPW, CONSTRUCTION INSPECTION DIVISION (410) 313-5712 PRIOR TO BEGINNING CONSTRUCTION. (1 DAY)

3. NOTIFY HOWARD COUNTY BUREAU OF INSPECTIONS AND PERMITS (410-313-1880) AT LEAST 24 HOURS BEFORE STARTING ANY WORK. (1 DAY) 4. STAKEOUT LIMITS OF DISTURBANCE. (1 DAY)

5. CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE. (1 DAY) 6. CLEARING AND GRUBBING AS NECESSARY FOR THE INSTALLATION OF PERIMETER CONTROLS. (3 DAYS)

7. INSTALL SILT FENCE, SUPER SILT FENCE AND DIVERSION FENCE. (2 DAYS) 8. PERFORM BALANCE CLEARING AND GRUBBING WITHIN LOD. (3 DAYS) 9. AFTER OBTAINING PERMISSION FROM THE SEDIMENT CONTROL INSPECTOR TO PROCEED, ROUGH GRADE SITE. DO NOT GRADE SWALES OR INSTALL STORMWATER MANAGEMENT FACILITIES INITIALLY. RETAIN SHEET FLOW TO GREATEST EXTENT

10. CONSTRUCT HOME AND DRIVEWAY. (8 MONTHS) 11. INSTALL ALL DRYWELLS AND ROOF DRAIN PIPES. (1 WEEK) 12. FINE GRADE SITE AND ESTABLISH SWALES AS SHOWN ON THE PLAN. (3 DAYS)

13. STABILIZE ALL SWALES WITH PERMANENT SOIL STABILIZATION MATTING. (1 DAY) 14. STABILIZE ALL OTHER DISTURBED AREAS/AREAS OF GRADING. (1 DAY) 15. UPON STABILIZATION OF ALL DISTURBED AREAS AND WITH THE APPROVAL THE SEDIMENT CONTROL INSPECTOR, REMOVE ALL SILT FENCE, SUPER SILT FENCE, DIVERSION FENCE AND THE STABILIZED CONSTRUCTION ENTRANCE. (1 DAY)

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

> 04/09/21 DATE

HARDINESS ZONE (FROM FIGURE 8.3): ZONE 66 SEED MIXTURE (FROM TABLE B.3): 9 (10-20-20) SEEDING P2 05 NO SPECIES DATES RATE (LB/AC) 45 LB/AC 90 LB/AC 90 LB/AC 2 TONS/AC T.F. 60 LB / AC 1/4-1/2 IN (1 LB PER (2 LB PER (2 LB PER (90 LB PER K.B. 40 LB / AC AUG 15 TO OCT 15 1000 SF) 1000 SF) 1000 SF) 1000 SF)

PERMANENT SEEDING SUMMARY

"I/WE CERTIFY THAT ANY CLEARING, GRADING, CONSTRUCTION, OR DEVELOPMENT WILL BE DONE PURSUANT TO THIS APPROVED EROSION AND SEDIMENT CONTROL PLAN, INCLUDING INSPECTING AND MAINTAINING CONTROLS, AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A MARYLAND DEPARTMENT OF THE ENVIRONMENT (MDE) APPROVED TRAINING PROGRAM FOR THE CONTROL ON EROSION AND SEDIMENT PRIOR TO BEGINNING THE PROJECT. I CERTIFY RIGHT-OF-ENTRY FOR PERIODIC ON-SITE EVALUATION BY HOWARD COUNTY, THE HOWARD SOIL CONSERVATION DISTRICT AND/OR MDE. Sarry

DESIGNER'S SIGNATUR

MD REGISTRATION NO. 16193
P.D. R.L.S., OR R.L.A. (circle one)

HOWARD SOIL CONSERVATION DISTRICT

ELEVATION

2011

DETAIL 8-1 SILT PENCE

DITER TO CENTER

PROFESSIONAL CERTIFICATE

