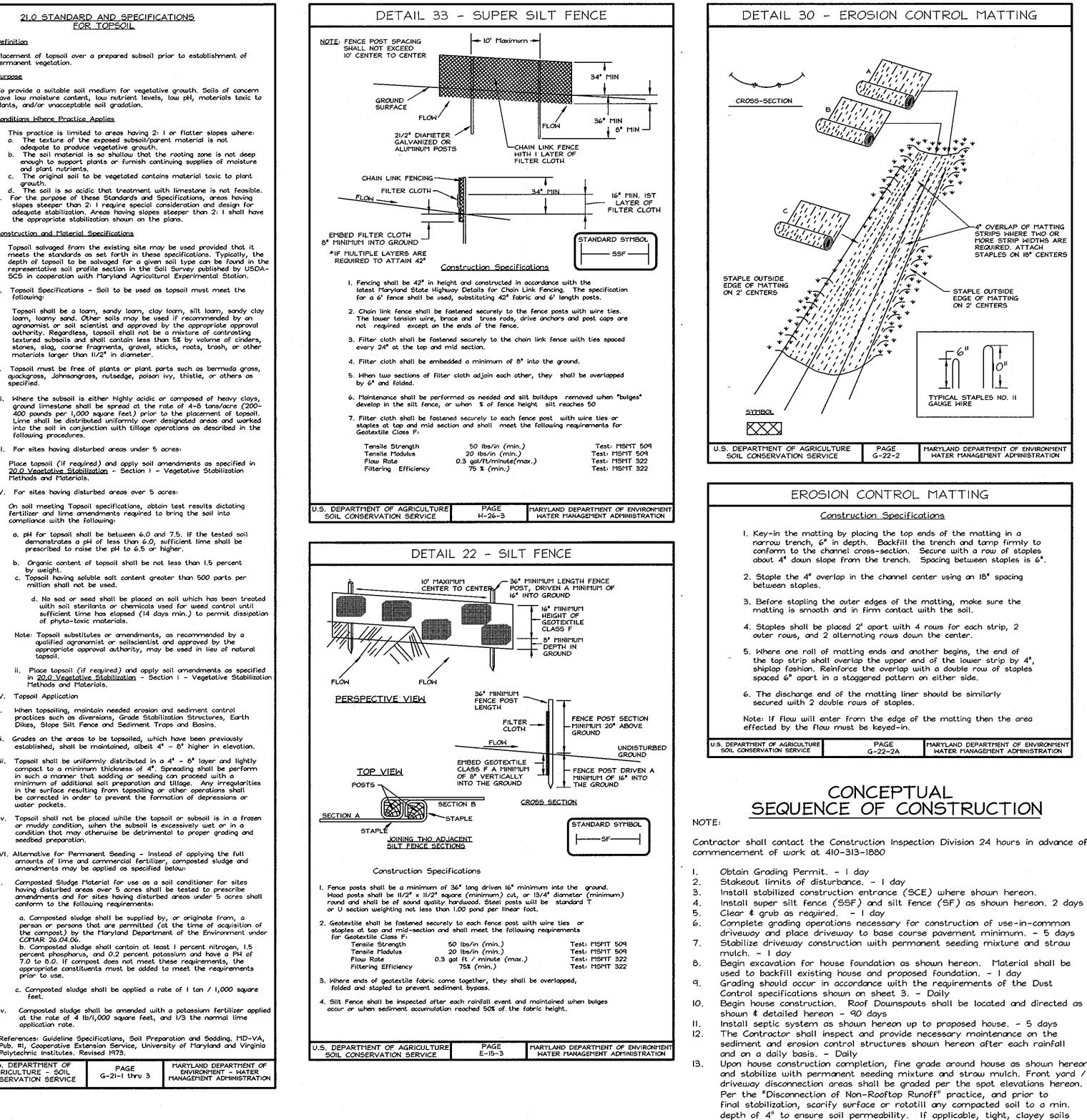


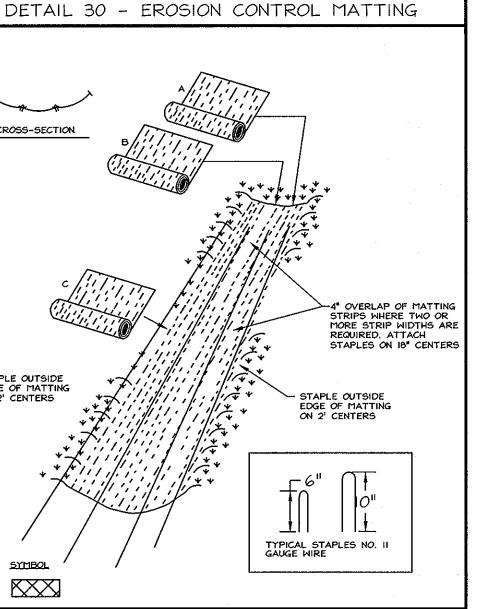
HOWARD SOIL CONSERVATION DISTRICT

STANDARD SEDIMENT CONTROL NOTES	21.
 A minimum of 48 hours notice must be given to the Howard County Department of Inspections, Licenses and Permits, Sediment Control Division prior to the start of any construction, (313-1855). All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the most current "MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL", and revisions thereto. 	<u>Definition</u> Placement permonent <u>Purpose</u> To provide
 Following initial soil disturbance or redisturbance, permanent or temporary stabilization shall be completed within: a) 7 calendar days for all perimeter sediment control structures, dikes, perimeter slopes and all slopes greater than 3:1, b) 14 days as to all other disturbed or graded areas on the project site. All sediment traps/basins shown must be fenced and warning signs posted around their perimeter in accordance with Vol. 1, Chapter 7, of the HOWARD COUNTY DESIGN MANUAL, Storm Drainage. All disturbed areas must be stabilized within the time period specified above in accordance with the 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL (Section G) for permanent seeding, sod, temporary seeding, and 	have low r plants, and <u>Conditions</u> I. This p a. Th ade b. Th eno
mulching. Temporary stabilization with mulch alone can only be done when recommended seeding dates do not allow for proper germination and establishment of grasses. 6. All sediment control structures are to remain in place and are to be maintained in operative condition until permission for their removal has been obtained from the Howard County Sediment Control Inspector. 7. Site Analysis:	and c. Th gro d. Th II. For th slopes
Total Area of Site12.38AcresArea Disturbed1.15AcresArea to be roofed or paved0.13AcresArea to be vegetatively stabilized1.02Acres	adequ the a <u>Constructic</u> I. Topsoil meets
Total Cut 500 Cu. Yds. * Total Fill 500 Cu. Yds. * * Contractor shall complete their own earthwork analysis Offsite waste/borrow area location N/A	SCS in follow
 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 Howard County Sediment Control Inspector. 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 by the inspection agency is made. 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. 	i. Topso loan, agran author textur stones mater ii. Topsoi quackgr specifie
HOWARD SOIL CONSERVATION DISTRICT PERMANENT SEEDING NOTES	iii, Where groun 400 r Lime into t follou
Apply to graded or cleared areas not subject to immediate further disturbance where a permanent long-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.	III. For s i. Place s 20.0 V Method
SOIL AMENDMENTS: In lieu of soil test recommendations, use one of the following schedules: I) PREFERRED Apply 2 tons per acres dolomitic limestone (92 lbs/1000sq.ft.) and 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq. ft.) before seeding. Harrow or disk into	IV. For e i. On soi fertiliz compli
upper three inches of soil. At time of seeding, apply 400 lbs per acre 30-0-0 ureaform fertilizer (9 lbs/1000sq.ft.) 2) ACCEPTABLE Apply 2 tons per acres dolomitic limestone (92 lbs/1000sq.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.	a.pH de pr b.C by
SEEDING For the periods March I thru April 30, and August I thru October 15, seed with 60 lbs per acre (1.4 lbs/1000sq, ft.) of Kentucky 31 Tall Fescue. For the period May 1 thru July 31, seed with 60 lbs per acre (1.4 lbs/1000sq, ft.) of Kentucky 31, Tall Fescue and 2 lbs. per acre (.051bs/1000sq, ft.) of weeping lovegrass. During the period of October 16 thru February 28, protect site by: Option (1) - 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring. Option (2) - Use sod. Option (3) - Seed with 60 lbs. per acre Kentucky 31 Tall Fescue and mulch 2 tons / acre well anchored straw.	c. Te rr Note:
 MULCHING Apply 1-1/2 to 2 tons per acre (70 to 90 lbs/1000sq, ft.) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gallons per acre (5 gal/1000sq, ft.) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 348 gallons per acre (8 gal/1000sq, ft.) for anchoring. MAINTENANCE Inspect all seeding areas and make needed repairs, replacements and reseedings. 	ii. F ir V. Topso i. When
HOWARD SOIL CONSERVATION DISTRICT TEMPORARY SEEDING NOTES	pract Dikes ii. Grade estab
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, if not	iii. Tops comp in su minir in th be ca wate
previously loosened. SOIL AMENDMENTS: Apply 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000sq, ft.). SEEDING For periods March 1 thru April 30, and from August 15 thru October 15 seed with 2-12 bushels per acre of annual rye (3.2 lbs/1000sq, ft.). For the period May 1 thru August 14, seed with 3 lbs. per acre of weeping lovegrass (.07	iv. Tops or rr condi seed VI. Altern
Ibs/1000sq, ft.). For the period November 16 thru February 28, protect site by applying 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring, or use sod. MULCHING Apply 1-1/2 to 2 tons per acre (70 to 90 lbs/1000sq, ft.) of unrotted weed free small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gallons per acre (5 gal/1000sq, ft.) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 348 gallons per acre (8 gal/1000sq, ft.) for	i. Com havin confe
anchoring. Refer to the 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for additional rates and methods not covered.	a, (per: the COT b. (per
methods not covered.	7.0 opp pric c. Cc
	iv. Com at i app Reference Pub. #1,
	Polytech U.S. DEPAR AGRICULTU CONSERVATI
	ENGIN CERTIFY THAT T
Maly Damager 11/17/10	REPRESENTS A PR PERSONAL KNOWLE PREPARED IN ACC SOL CONSERVATION
	DEVEL
DEVELOPMENT	WE CERTIFY THAT ONE ACCORDING T ND THAT ALL RES ONSTRUCTION PRO DEPARTMENT OF DR THE CONTROL



- criteria is detailed on Sheet 3. 2 days
- and straw mulch 3 days 15. With permission from sediment control inspector, remove any remaining mixture \$ straw mulch or sod. - I day

THIS PLAN FOR EROSION AND SEDIMENT CONTROL RACTICAL AND WORKABLE PLAN BASED ON MY EDGE OF THE SITE CONDITIONS AND THAT IT WAS EDGE OF THE SITE CONDITIONS AND THAT IT WAS		Engineers, Surveyors, Planners 9250 Rumsey Road, Suite 106 Columbia, Maryland - 21045 (410)715-1070 - (301)596-3424 - FAX(410)715-9540	. <u>.</u>
CORDANCE WITH THE REQUIREMENTS OF THE HOWARD OF MARYLAND, LICENSE NO: 19184, OF MARYLAND, LICENSE NO: 19184, EXPIRATION DATE: 6/30/11," OF MARYLAND, LICENSE NO: 19184, EXPIRATION DATE: 6/30/11, OF MARYLAND, LICENSE NO: 19184, EXPIRATION DATE: 6/30/11, EXPIRATION DATE: 6/30/11, EXPIRATION DATE: 6/30/11, EXPIRATION DATE: 6/30/11, EX	EDS	GRADING, SOIL EROSION & SEDIMENT CONTROL PLAN - DETAILS	SCALE As Shown
OPER'S CERTIFICATE	DRAWN LDE	LOTS 4, 5 AND 6 A Resubdivision of Harbin Acres Lot 3 and a revision to Lot 4 PLAT #19702 (# 15055 Old Frederick Road)	DRAWING 2 OF 3
THIS PLAN FOR SEDIMENT AND EROSION CONTROL, SPONSIBLE PERSONNEL INVOLVED IN THE OJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT THE ENVIRONMENT APPROVED TRAINING PROGRAM OF SEDIMENT AND EROSION BEFORE BEGINNING THE AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE SIGNED WAVE D. ORTON	CHECKED BDB	Tax Map No. 8 Grid No. 9 Parcel 19 ¢ 350 4th Election District - Howard County, Maryland Zoned: RC-DEO Previous Submittals: F81-42, VP76-95, WP07-14, F07-62	ЈОВ NO. 09-003
SERVATION DISTRICT." <u>backing Shiney Harbin</u> <u>11/11/10</u> DATE DATE DATE <u>N/3/10</u> DATE	DATE 8/2010	OWNER/DEVELOPER: George & Shirley Harbin 15055 Old Frederick Road Woodbine, MD 21794 410-489-4158	FILE NO. ECP 11-



MARYLAND DEPARTMENT OF ENVIRONMEN WATER MANAGEMENT ADMINISTRATION PAGE G-22-2

EROSION CONTROL MATTING

I. Key-in the matting by placing the top ends of the matting in a narrow trench, 6" in depth. Backfill the trench and tamp firmly to conform to the channel cross-section. Secure with a row of staples about 4" down slope from the trench. Spacing between staples is 6".

2. Staple the 4" overlap in the channel center using an 18" spacing

5. Where one roll of matting ends and another begins, the end of the top strip shall overlap the upper end of the lower strip by 4", shiplap fashion. Reinforce the overlap with a double row of staples

Note: If flow will enter from the edge of the matting then the area

MARYLAND DEPARTMENT OF ENVIRONMEN WATER MANAGEMENT ADMINISTRATION PAGE G-22-2A

CONCEPTUAL SEQUENCE OF CONSTRUCTION

Contractor shall contact the Construction Inspection Division 24 hours in advance of

Install super silt fence (SSF) and silt fence (SF) as shown hereon. 2 days

driveway and place driveway to base course pavement minimum. - 5 days Stabilize driveway construction with permanent seeding mixture and straw

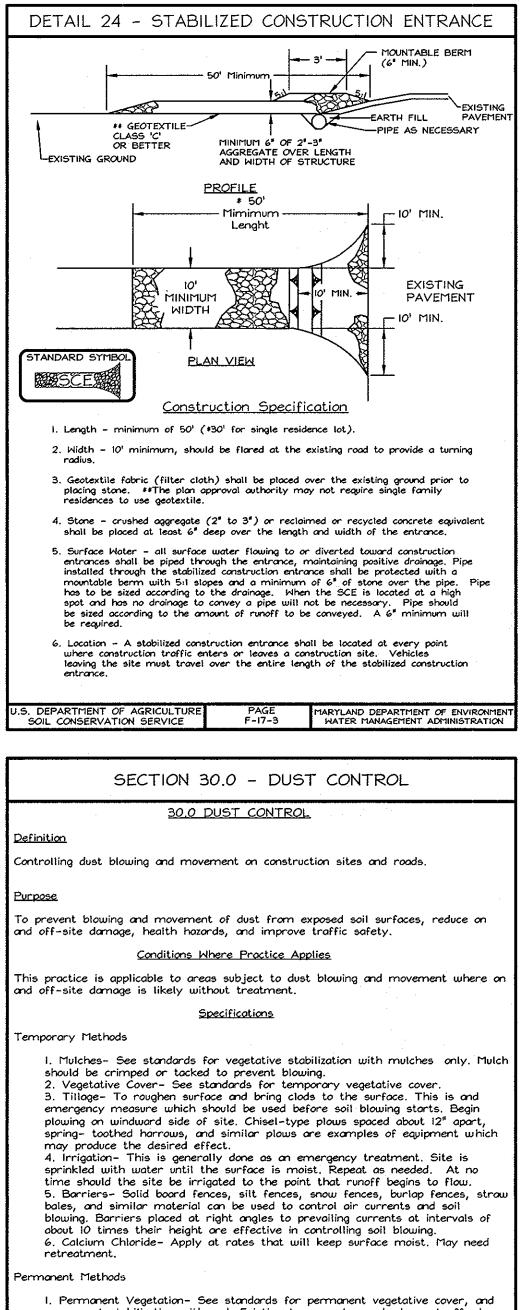
Grading should occur in accordance with the requirements of the Dust

Install septic system as shown hereon up to proposed house. - 5 days The Contractor shall inspect and provide necessary maintenance on the sediment and erosion control structures shown hereon after each rainfall

Upon house construction completion, fine grade around house as shown hereon and stabilize with permanent seeding mixture and straw mulch. Front yard / driveway disconnection areas shall be graded per the spot elevations hereon. Per the "Disconnection of Non-Rooftop Runoff" practice, and prior to final stabilization, scarify surface or rotatill any compacted soil to a min. depth of 4" to ensure soil permeability. If applicable, tight, clayey soils may require soil amendments. "Disconnection of Non-Rooftop Runoff" area

14. Install surface / finish coat pavement to use-in-common driveway, Backfill edges as necessary with topsoil and stabilize with permanent seeding mixture

perimeter controls and stabilize any disturbed areas with permanent seed



permanent stabilization with sod. Existing trees or large shrubs mat afford valuable protection if left in place. 2. Topsoiling- Covering with less erosive materials. See standards for 3. Stone - Cover surface with crushed stone or coarse gravel.

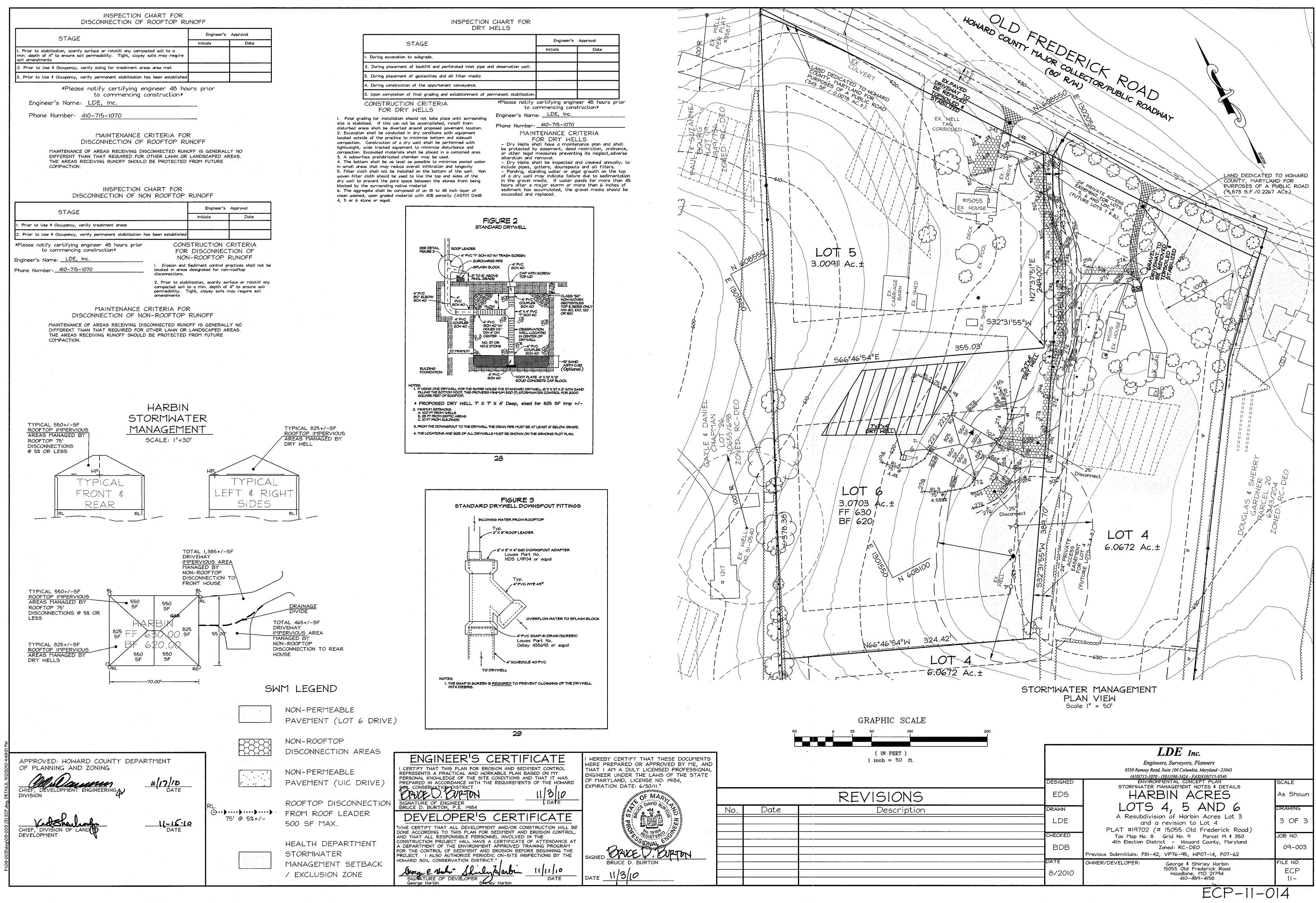
References

I. Agriculture Handbook. Wind erosion Forces in the United States and Their Use in Predicting Soil Loss. 2. Agriculture Information Bulletin 354, How to Control Wind Erosion, USDĂ-ARS.

1ARYLAND DEPARTMENT OF ENVIRONME WATER MANAGEMENT ADMINISTRATIO U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE H - 30 - I

NOTE:

Quantities are provided for informational purposes only and are based upon comparison of existing ground to proposed grades shown hereon. Contractor to make his own analysis prior to placing a bid on grading work / earthwork.



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		Engineer's Approval		
		Initials	Date	
perforated inlet pipe ar	d observation well.			
and all filter media				
tenant conveyance,				
and establishment of pe	rmanent stabilization.			
RIA	*Please notify certifying engineer 48 hours pri to commencing construction*			
place until surrounding ed, runoff from d pavement location.	Engineer's Name	e: LDE, Inc.	·····	
	Phone Number:	410-715-1070		
	MAINE			

