

PERMANENT SEEDING NOTES

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,

discing 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 acre dolomitic limestone (92 lbs/ 100 sq.ft.) and 600 lbs per acre 10-10-10 fertilizer (14 lbs./ 1000 sa.ft.) before seeding. Harrow or disc into upper three inches of soil. At the time of seeding, apply 400 lbs. per acre 30-0-0 ureaform fertilizer (9 lbs/1000 sq.ft.)) Acceptable—Apply 2 tans per acre dalomatic limestone (92 lbs/ 1000 sq.ft.) and apply 1000 lbs. per acre 10-10-10- fertilizer (23 lbs./1000 sq.ft.) before seeding. Harrow or disc 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 lbs. 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 well anchored straw mulch and seed as soon as possible in the spring. Option (2) Use sod. Option (3) Seed with 60 lbs/acre

sq. ft.) of unrotted small grain strow 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.

MULCHING: Apply 1 1/2 to 2 tons per acre (70 to 90 lbs/1000

MAINTENANCE: Inspect all seeded areas and make needed repairs, replacements and reseedings.

TEMPORARY SEEDING NOTES

SEEDBED PREPARATION: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding, if not previously

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 November 15, seed with 2 1/2 bushel per acre of annual rye (3.2 November 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 1 thru February 28, protect site by applying 2 tons per acre of well anchored strow mulch and seed as soon as possible in the spring, or use sod.

MULCHING: Apply 1 1/2 to 2 tons per ocre (70 to 90 lbs./1000

flot areas. On slopes 8 feet or higher, use 348 gallons per acre (8 gal/1000 sq.ft.) for anchoring. REFER TO THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.

SEQUENCE OF CONSTRUCTION

- . Obtain grading permit. 2. Notify Howard County Bureau Of Inspections and Permits (1 Day)
- (410.313.1880) at least 24 hours before starting any work. (1 Day) 5. Construct Stabilized Construction Entrances. (1 Day)
- 4. Install silt fence and erosion control matting. (2 Days) 5. After obtaining permission from the sediment control inspector to proceed, rough grade site. (4 Days) 6. Construct house. The first floor elevation cannot be more

than 1' higher or 0.2' lower than the elevations shown on this plan. The foundation footprint must be within the generic

- block. (3 Months) '. Construct Noise Wall. 8. Install raingardens, as shown on plans.
- . Upon stabilization of all disturbed areas and with the approval of the sediment control inspector, remove all sediment control devices. (2 Days)

SEDIMENT CONTROL NOTES

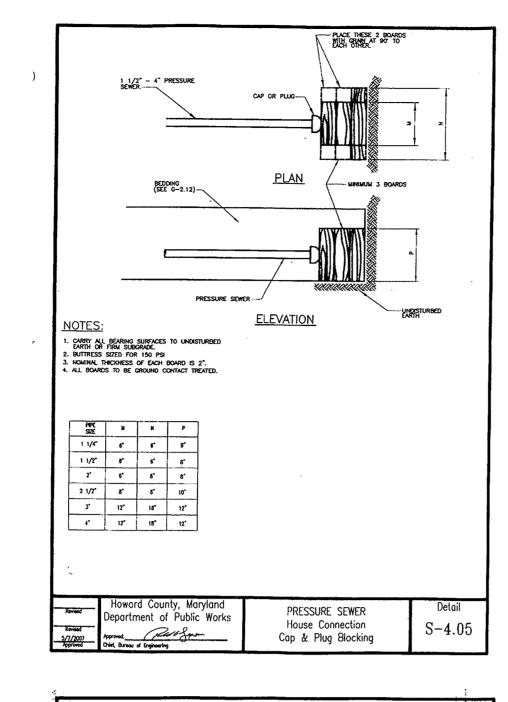
A minimum of 48 hours notice must be given to the Howard County Department of Inspection, License and Permits Sediment Control Division prior to the start of

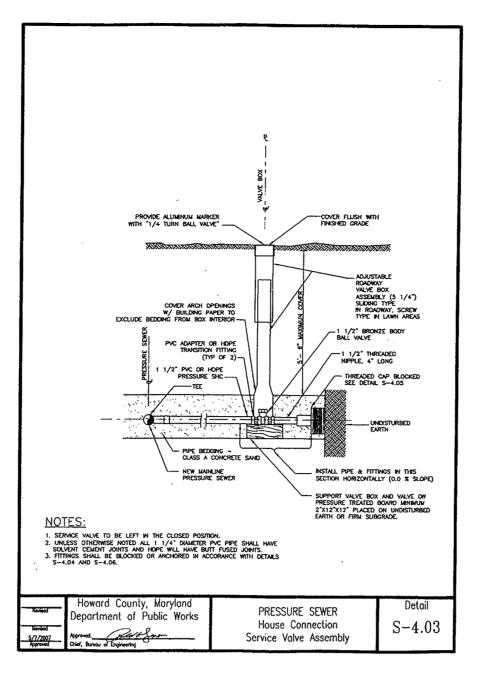
- All vegetation and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
- Following initial soil disturbance or redisturbance, permanent or temporary stabilization shall be completed within: (a) 3 calendar days for all perimeter sediment control structures, dikes, perimeter slopes, and all slopes greater than 3:1, (b) 7 days as to all other disturbed or graded areas on the
- All sediment traps/basins shown must be fenced and warning signs posted around their perimeter in accordance with Vol. 1, Chapter 7, HOWARD COUNTY DESIGN MANUAL, Storm Drainage. 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 permanent seeding, sod, temporary seeding, and mulching (Sec. G). Temporary stabilization with mulch alone shall be done when recommended seeding dates do not allow for proper germination and
- 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.
- . Site Analysis : Area Disturbed Area to be roofed or paved Area to be vegetatively stabilized
- Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance 9. Additional sediment controls must be provided, if deemed necessary by the
- 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 by the inspection agency is made.
- Trenches for the construction of utilities is limited to three nine lengths or that which shall be back-filled and stabilized within one working day, whichever is shorter. 12. Estimates of earthwork quantities are provided solely for the purpose of calculating
- * To be determined by contractor, with pre-approval of the Sediment Control Inspector with an approved and active grading permit

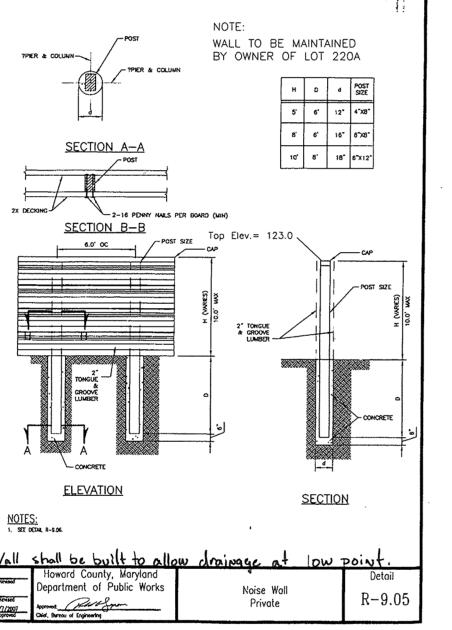
GROUP

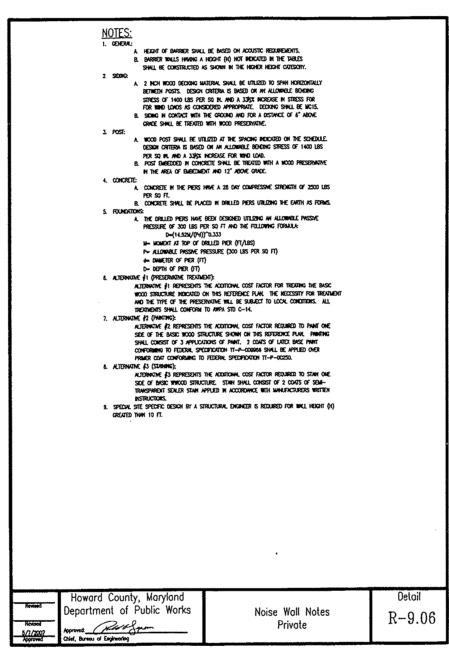
DURING GRADING AND AFTER EACH RAINFALL, THE CONTRACTOR SHALL INSPECT AND PROVIDE THE NECESSARY MAINTENANCE ON THE SEDIMENT AND EROSION CONTROL MEASURES SHOWN

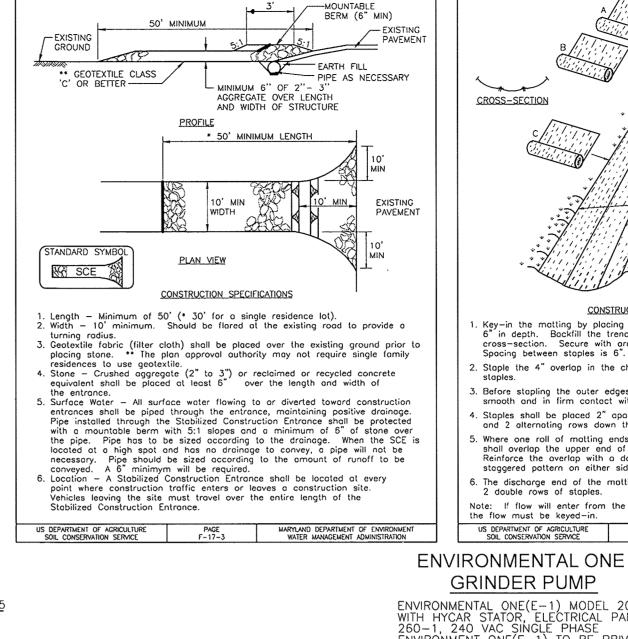
sq.ft.) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gallons per acre (5 gal/1000 sq.ft.) of emulsified asphalt on P. FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLIED WITH.



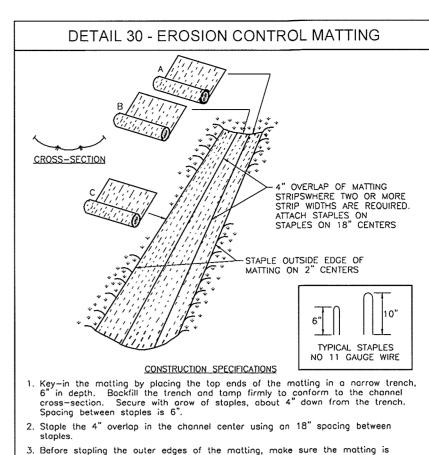








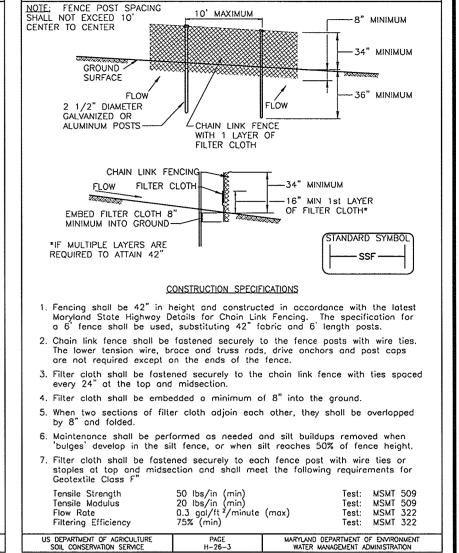
DETAIL 24 - STABILIZED CONSTRUCTION ENTRANCE



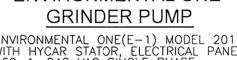
Before stapling the outer edges of the matting, make sure the matting is smooth and in firm contact with the soil.

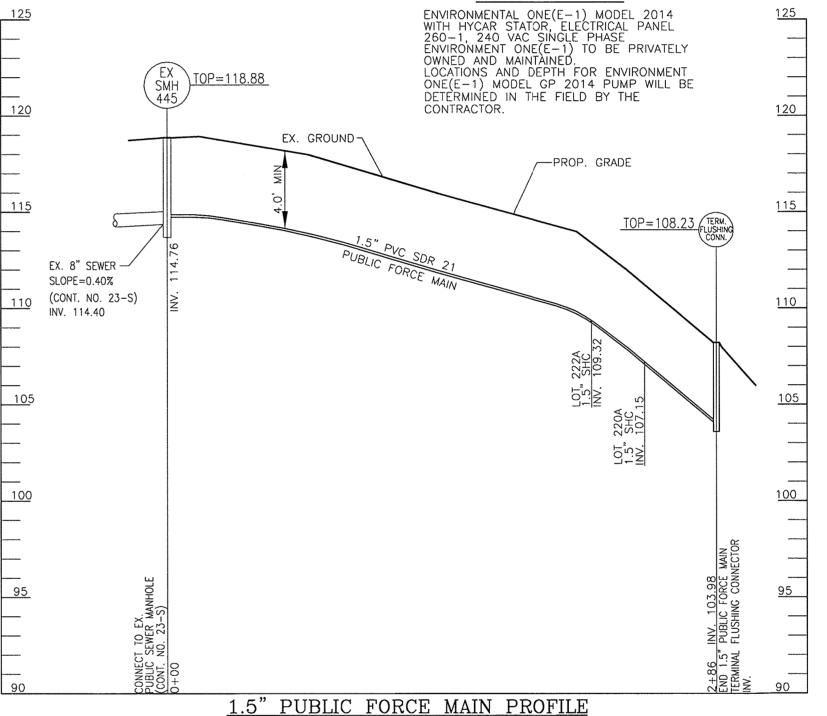
4. Staples shall be placed 2" apart with 4 rows for each strip, 2 outer row, 5. Where one roll of matting ends and another begins, the end of the top strip shall overlap the upper end of the lower strip by 4", shiplap fashion. Reinforce the overlap with a double row of stoples spaced 6" apart in a staggered pattern on either side. 5. The discharge end of the matting liner should be similarly secured with

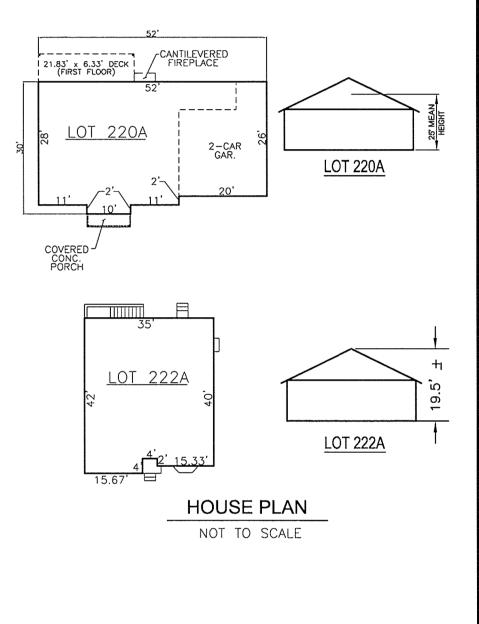
2 double rows of staples. Note: If flow will enter from the edge of the matting then the area effected by the flow must be keyed-in. US DEPARTMENT OF AGRICULTURE PAGE MARYLAND DEPARTMENT OF ENVIRONMENT SOIL CONSERVATION SERVICE G-22-2 WATER MANAGEMENT ADMINISTRATION



DETAIL 33 - SUPER SILT FENCE

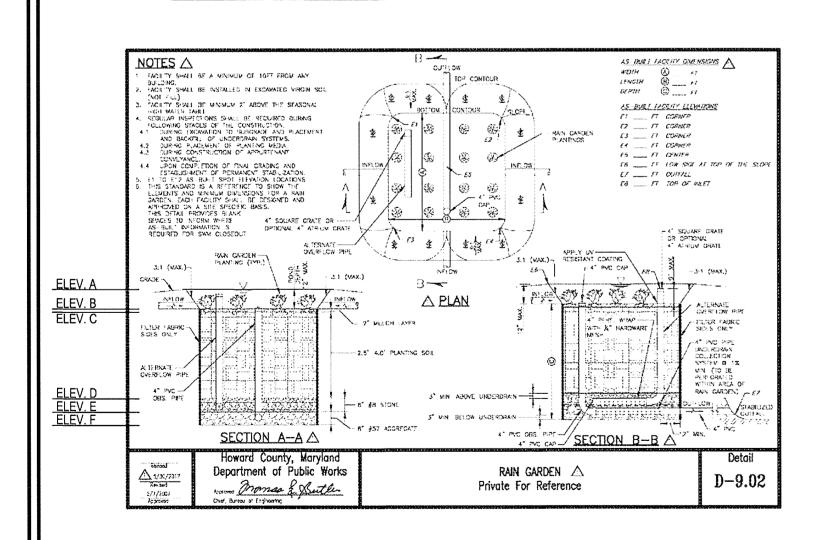


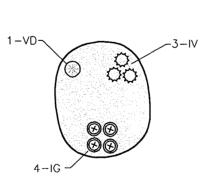




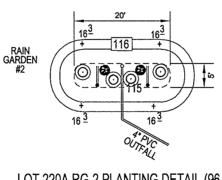
SOILS LEGEND NAME / DESCRIPTION BeC2 | BELTSVILLE SILT LOAM, 5 TO 10 PERCENT SLOPES, MODERATELY ERODED

		RAIN	GARDE	N FACI	LITY EI	LEVATIO	NS		
RAIN GARDEN	А	В	С	D	Ε	F	UNDERDRAIN INV. OUT	OUTFALL INV.	FACILITY SIZE
LOT 220A (1) (2)	113.50 116.00	l	1	109.33 111.83	l	l	108.24 110.74	107.90 110.50	104 SF 96 SF
LOT 222A (1) (2)	1	ı	I	119.83 112.33	1	ı	118.74 111.24		6.5'x6.5 6.5'x6.5

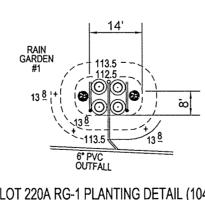




RAIN GARDEN PLANTING DETAIL FRONT AND BACK N.T.S.



LOT 220A RG-2 PLANTING DETAIL (96 SF) SCALE: 1"=20'



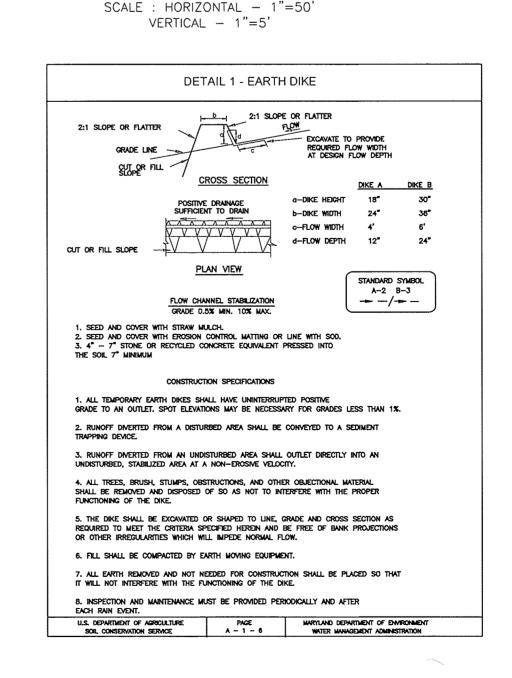
LOT 220A RG-1 PLANTING DETAIL (104 SF)

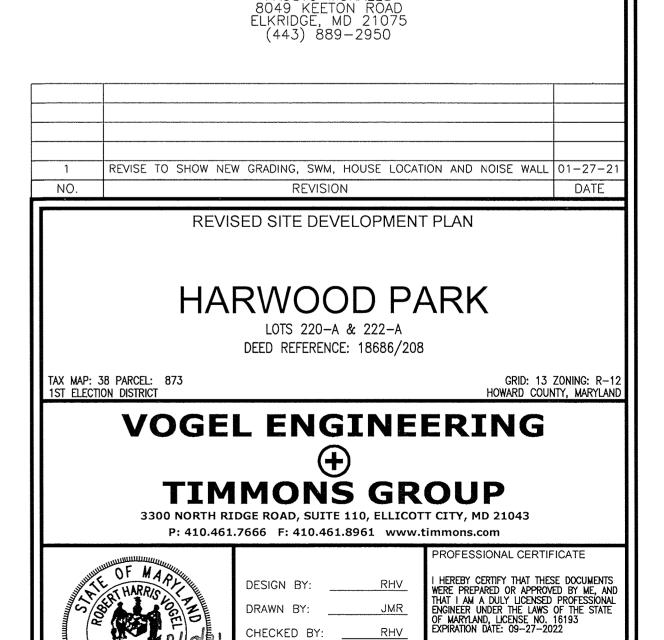
	Pl	ANTING SCHEDULE (LOT 220A F	RG-1)	
	QTY	BOTANICAL NAME/COMMON NAME	SIZE	REMARKS
0	4	LINDERA BENZOIN SPICEBUSH	3 GALLON	CONT
	2	ILEX GLABRA INKBERRY	3 GALLON	CONT

	QTY	BOTANICAL NAME/COMMON NAME	SIZE	REMARKS
(4	LINDERA BENZOIN SPICEBUSH	3 GALLON	CONT
₩	2	ILEX GLABRA INKBERRY	3 GALLON	CONT

OPERATION AND MAINTENANCE SCHEDULE FOR RAIN GARDEN AREAS 1. ANNUAL MAINTENANCE OF PLANT MATERIAL, MULCH LAYER AND SOIL LAYER IS REQUIRED. MAINTENANCE OF MULCH AND SOIL IS LIMITED TO CORRECTING AREAS OF EROSION OR WASH OUT. ANY MULCH REPLACEMENT SHALL BE DONE IN THE SPRING. PLANT MATERIAL SHALL BE CHECKED FOR DISEASE AND INSECT INFESTATION AND MAINTENANCE WILL ADDRESS DEAD MATERIAL AND PRIMINIC 2. SCHEDULE OF PLANT INSPECTION WILL BE TWICE A YEAR IN SPRING AND FALL. THIS INSPECTION WILL INCLUDE REMOVAL OF DEAD AND DISEASED VEGETATION CONSIDERED BEYOND TREATMENT, TREATMENT OF ALL DEFICIENT STAKES AND WIRES.

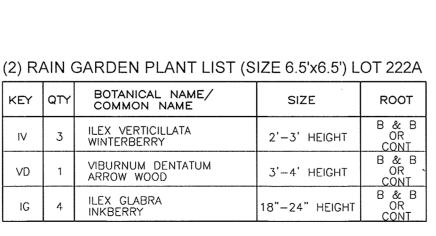
3. MULCH SHALL BE INSPECTED EACH SPRING. REMOVE PREVIOUS MULCH LAYER BEFORE APPLYING NEW LAYER ONCE EVERY 2 TO 3 YEARS. 4. SOIL EROSION TO BE ADDRESSED ON AN AS NEEDED WITH A MINIMUM OF ONCE PER MONTH AND AFTER HEAVY STORM EVENTS.

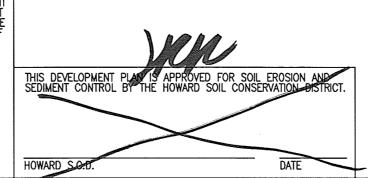


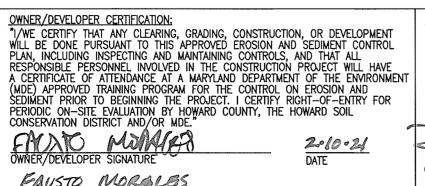


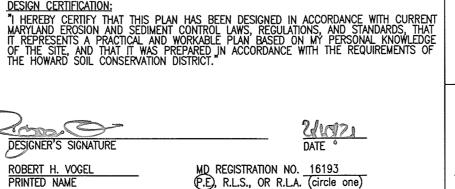
AS SHOWN

OWNER/DEVELOPER









P.E, R.L.S., OR R.L.A. (circle one)

SHEET __ OF ____