

area under embankment shall be cleared, grubbed and stripped of

2. The fil material for the embankment shall be free of roots or other woody

embankment shall be five (5) feet, measured at centerling of embankment

of any dike directing water

5. Storage area provided shall be figured by computing the volume available

to an elevation

channel prior to placement of store. Sections of fabric must overlap at

Fabric shall be embedded at least (6) inches into existing ground at

(riprap). To provide a filtering effect, a layer of filter cloth shall be

embedded one (1) foot back into the upstream face of the outlet stone or a

noved and trap restored to its original dimensions

shall be inspected after each rain and repaired as needed.

ucture shall be removed and the area stabilized when the drainage

least one (1) foot with section nearest the entrance placed on top.

7. Stone used in the outlet changel shall be four (4) to eight(8) inches

one (1) foot thick layer of two (2) inch or fiver aggregate shall be

when the sediment has accumulated to 1/2 the design lepth of the trap. Removed sediment shall be deposited in a suitable area and in such a

10. Construction operations shall be carried out in such a manner that erosion

Drainage area for this practice is limited to 15 acres or less.

ion as well as over-sized stones, rocks, organic material or other

material. The embankment shall be compacted by traversing

to trap must equal or

of one (1) foot below the

ottom and sides of the outlet

exation and root mat. The pool area shall be cleared.

with equipment while it is being constructed. Maximum height of

3. All fill slopes hall be 2:1 or flatter; cut slopes 1/1

4. Elevation of the to

level weir crest.

8. Sediment shall be

exceed the height of appearkment.

6. Filter cloth shall be placed over the J

placed on the upstream face of the outlet.

pollution are minimized.

ale of stub to be shown

2- 8 (min.) Bors placed at right angles and projecting

intosides of riser to help

anchor Riser to concrete

PPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING

and Land Development

based on barrel grade

RISER BAS

as been properly stabilized.

behind the outlet channel

entrance of outlet channel.

manner that it will not erode.

OPTIONAL SEDIMENT BASIN DEWATERING DEVICE I

NS OR SLITS MUST NOT-

OUTFALL B

8"min DIAMETER PERFORATE

S DEPARTMENT OF ARRICULTURE

OIL CONSERVATION SERVICE

STANDARD SYMBOL TO

OPTIONAL SEDIMENT BASIN DEWATERING DEVICE IL

2" STONE

CAP END UNLESS EQUA

E PLATE (1/4")

PERFORATIONS - 6" SPACING HORZ B.VER

6" OR 1/2" DIAMETER ROD

OUTFLOW -

WELDED OR CEMENTED JOINT

OPTIONAL SEDIMENT BASIN DEWATERING

STABILIZED CONSTRUCTION ENTRANCE

not to scale

PROFILE

PLAN VIEW

CONSTRUCTION SPECIFICATIONS

dense lot where a 30 foot minimum length would apply).

a mountable berm with 5:1 slopes will be permitted.

U. S. DEPARTMENT OF AGRICULTURE | STABILIZED CONSTRUCTION |

Thickness - Not less than six (6) inches.

points where ingress or egress occurs.

\$01L CONSERVATION SERVICE

College Park, Md.

. Prome Size - Use 2° stone, or reclaimed or recycled concrete equivalent.

Width - Ten (10) foot minimum, but not less than the full width at

Filter will not be required on a single family residence lot.

weigth - As required, but not less than 50 feet (except on a single resi-

Filter Cloth - Will be placed over the entire area prior to placing of stone.

Surface Water - All surface water flowing or diverted toward construction entrances shall be piped across the entrance. If piping is impractical,

Maintenance - The entrance shall be maintained in a condition which will

prevent tracking or flowing of sediment onto public rights-of-way. This may

require periodic top dressing with additional stone as conditions demand

Washing - Wheels shall be cleaned to remove sediment prior to entrance onto

public rights-of-way. When washing is required, it shall be done on an area stabilized with stone and which drains into an approved sediment trapping

Periodic inspection and needed maintenance shall be provided after each rain.

ENTRANCE

and repair and/or cleanout of any measures used to trap sediment. All mediment spilled, dropped, washed or tracked onto public rights-of-way mus

-- POND EMBANKMENT

PAVEMENT

- MOUNTABLE BERM

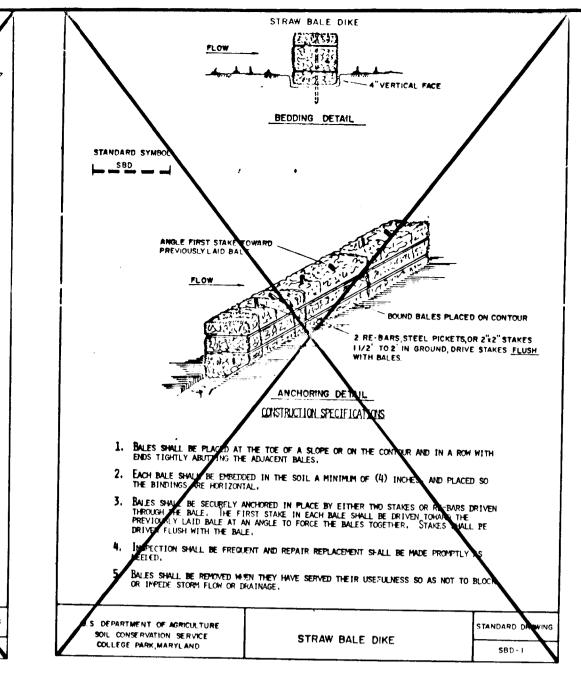
ZE: D+24"

- I"PERFORATIONS

- FILTER

WITH 6" PERFORATED RISER

BARREL



SILT FENCE

PERSPECTIVE VIEW

CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

WOVEN WIRE FENCE (14 1/2 GA. MIN., MAX.

O" MESH SPACING) WITH FILTER CLOTH OVER

1. Women wire fence to be fastened securely to fence posts with wire ties or staples

2. FILTER CLOTH TO BE FASTENED SECURELY TO

MOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.

3. WEN THO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVER-

LAPPED BY SIX INCHES AND FOLDED.

4. MAINTENANCE SHALL BE PERFORMED AS METDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

U.S. DEPARTMENT OF AGRICULTURE

BOIL CONSERVATION SERVICE

COLLEGE PARK, MARYLAND

- WOVEN WIRE PENCE (MM. H V2 GAUGE, MAX. 6" MESH

STANDARD SYMBOL

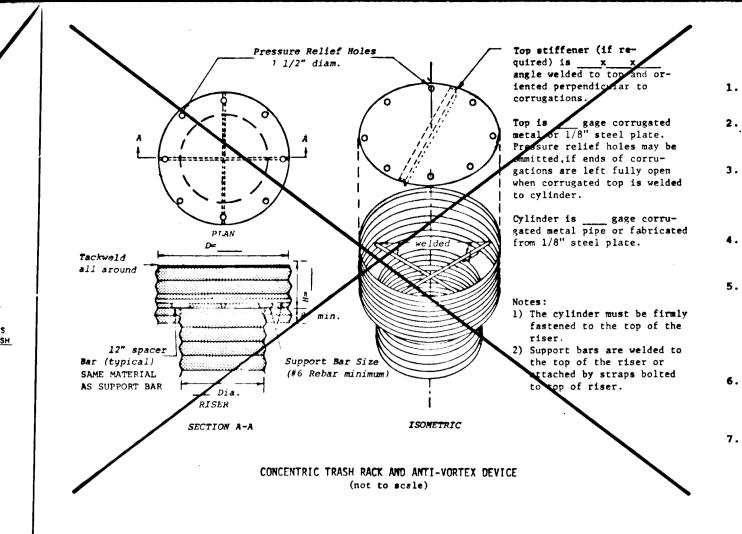
POSTS: STEEL EITHER T OR U

FENCE: MOVEN WIRE, 14: GA.
6" MAX. MESH OPENING

PREFABRICATED UNIT: GEOFAB, DAVIROFENCE, OR APPROVED EQUAL

STANDARD DRAWN

8F-1



- 1. A minimum of 24 hours notice must be given to the Howard County Office of Inspection and Permits prior to the start
- of any construction. (992-2437). 2. All vegetative and structural practices are to be installed according to the provisions of this Plan and are
- to be in conformance with the 1983 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) 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 MANUAL,
- Storm Drainage. 5. All disturbed areas must be stabilized within the time period specified above in accordance with the 1983 MANAGEMENT STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for permanent seedings (Sec. 51), sod (Sec. 54), temporary seeding (Sec. 50) and mulching (Sec. 52.) Temporary stabilization with mulch alone can only be done when recommended seeding dates do not allow for proper 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: Area to be vegetatively stabilized ## Acres Cu. Yds. Cu. Yds. Total Cut Total Fill

- 8. 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 Howard County DPW sediment control

Offsite waste/borrow location:

10. On all sites with disturbed areas in excess of 2 acres, approval of the inspection agency shall be requested upor 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.

SEQUENCE OF CONSTRUCTION

- . Obtain a grading permit. 2. Notify the Howard County Department of Licenses and Permits Inspector
- 48 hours prior to beginning work. 3. Install stabilized construction entrance.
- . Install dikes, silt fence, mountable berms and stone outlet structures. 5. Install culverts, endwall structures and gabions.
- 6. Grade area around culverts. 7. Stabilize all disturbed areas.
- 8. After recieving permission from sediment control inspector remove all sediment control devices and stabilize those areas.

PERMANENT SEEDING MOTES

Apply to graded or cleared areas not subject to immediate further disturbance where a permanent long-lived vegetative Seedbed Preparation: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding, if not proving mentalises in lieu of soil test recommendations, use one of the following schedules:

- 1. Preferred Apply 2 tons per acre dolomitic limestone (92 lbs/1000 sq. ft.) and 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq. ft.) before seeding. Harrow or disc into upper three inches of soil. At time of seeding, apply 400 lbs per acre 30-0-0
- ureaform fertilizer (9 lbs/1000 sq. ft.) 2. Acceptable - Apply 2 tons per acre dolomitic limestone (92 lbs/1000 sq. ft.) and 1000 lbs per acres 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 through April 30, and August 1 through October 15, seed with 60 lbs per acre (1.4 lbs/1000 sq. ft.) of Kentucky 31 Tall Fescue. For the period May 1 through 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 through February 28, protect site by: Option (1) 2 tons per acre of well anchored straw mulch and seed as soon as possible in the Spring. Option (2) Use sod. Option (3) Seed with 60 lbs/acre Kentucky 31 Tall Fescue and mulch with 2 tons/acre well anchored straw.

Mulching: Apply 1 1/2 to 2 tons per acre (70 to 90 lbs/1000 sq. ft.) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 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

Maintenance Inspect all seeded areas and make needed repairs, replacements and reseedings

TEMPORARY SEEDING MOTES

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 discing or other acceptable means before seeding if not soil Amendments Apply 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq. ft.) Seeding: For periods March 1 through April 30 and from August 15 through November 15, seed with 2 1/2 bushels per acre of annual rye (3.2 lbs/1000 sq. ft.) For the period May 1 through August 14, seed with 3 lbs per acre of weeping lovegrass (.07 1bs/1000 sq. ft.) For the period November 16 through 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

Mulching: Apply 1 1/2 to 2 tons per acre (70 to 90 lbs/1000 sq. ft.) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gallons per acre (5 gal/1000 sq. ft.) of emulsified asphalt on flat areas. On slopes, 8 ft. or higher, use 348 gallons per acre (8 gal/1000 sq. ft.) for

Refer to the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for rate and methods not

(as shown on plan) Stone embedded Ground line PROFILE

SILT FENCE

STONE OUTLET STRUCTURE

(not to scale)

Construction Specifications

- 1. The stone shall be crushed stone. Gravel may be used if crushed stone is not available. The stone shall meet MSHA Size No. 2 or AASHTO designation M43 Size No. 2 or 24.
- 2. The crest of the stone dike shall be at least six inches lower than the lowest elevation of the top of the earth dike and shall be level.
- 3. The stone outlet structure shall be embedded into the soil a minimum of four inches.
- 4. The minimum length, in feet, of the crest of the stone outlet structure shall be equal to six times the number of acres of contributing drainage
- stone shall be replaced when the structure ceases to function as
- Standard Symbol * Drainage area less than 5 acres

. The stone outlet structure shall be inspected after each rain, and the intended due to silt accumulation among the stone, washout, construction traffic damage, etc.

OWNER / DEVELOPER

SPRINGHILL ASSOC. 1427 MD RTE 32 SYKESVILLE MD.

KOREN DEVELOPMENT CO. 5423 WATERCRESS PL. COLUMBIA, MD. 21045



DETAILS

ROJECT: SECTION TWO AREA ONE MEADOWOOD

O.P.&Z. FILE NOS .: 6-87-13 . F-1 217 TAX MAP:10, BLOCK: , PARCEL: 1301 300 ELECTION DISTRICT; HOWARD COUNTY, MD. DRAWN BY: CHKD, BY:

T.H.M.

11 WARREN ROAD

BALTIMORE, MD. 21208 MARCH DOD SCALE: SHEET Z OF Z