

### HOWARD SOIL CONSERVATION DISTRICT

### STANDARD SEDIMENT CONTROL NOTES

- A minimum of 48 hours notice must be given to the Howard County Department of Inspection Licenses and Permits, Sedirent Control Division prior to the start of any construction, (313-1855).
- All vegitative and structural practices are to be installed coording to the provisions this plan and are to be in conformance with the most current 'ALYLAND STANDARDS AND SPECILICATIONS FOR SOIL EROSION AND SIDIMENT CONTROL", and revisions thereto.
- Following initial soil disturbance or redisturbance, permanent or temporar, 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 disturbe or graded area; or the project site.
- All sediment traps/basins shown must be fenced and varning signs posted around their perimeter in accor ance with Vol. 1, Chapter 12, of the HOWARD COUNTY DESIGN MANUAL, Sto Drainage.
- All disturbed areas must be stabilized within the time period specified above in accordance with th: 1991 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for permanent seeding (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.
- 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:

Total Area of Site	1. <del>89</del> 1	Acres			
Area Disturbed	1,92	Acres			
Area to be roofed or paved		0.55	Acres		
Area to be vegetatively stab	ilized -	134	Acres		
Total Cut	3,3 <del>4</del> 0 -	Cu. Yo	s.		
Total Fill	3,340	Cu. Yd	s.		
Offsite waste/borrow area location					

- 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.
- 10) On all sites with disturbed areas in excess of 2 acres, approval of the inspection agenc 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 approv 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 one working day, whichever is shorter.

### 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 disking 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 - Appay 2 k as per acres dolomitic limestone (92 lbs/ 1000 sq. ft.) and 1000 lbs. per acre 10-10-10 fe tuizer (14 lbs./1000 sq.rt.) before seeding. Harrow 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) 2) Acceptable - Apply 2 tons per acres dolomitic limestone (92 lbs/ 1000 sq. ft.) and 1000 lbs. per acre 10-10-10. e tilizer (23 lbs./1000 sq.rt.) before seeding. Harrow or disk into upper three inches or soil.
- Seeding For the per ods March 1 thru April 30, and August 1 thru Oct )ber 15, seed with 60 Ibs. per acre (1.4 .bs/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 weep ag 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/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 applications 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 gaillons per acre (8 gai/1000 sq.ft.) for anchoring.

Maintenance - Inspect all seeding area and make needed repairs, replacements and reseeding.

### 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, if not previously loosened.
- Soil Amendments Apply 600 lbs per acre 10-10-10 fertilizer ( 14 lbs/1000 sq.ft.)

### Seeding - For the periods March I thru April 30, and 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 lbs/1000 sq.ft.). For the period November 16 thru February 28, protect site by applying 2 tons per acre of well anchored straw muich 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 ft. or higher, use 348 gai per acre (8 gai/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.

## DUST CONTROL

### **SPECIFICATIONS**

### Temporary Methods

- Mulches See Standards for critical area stabilization with mulches only. Chemical or wood cellulose fiber binders may be used instead of asphalt to bind mulch material.
- B. <u>Vegetative Cover</u> See standards for temporary vegetative cover.
- Spray-on Adhesives On mineral soils (not effective on muck soils). Keep traffic

	Water <u>Dilution</u>	Type of Nozzle	Apply Gallons/Ac.
Amonic asphalt emulsion	7:1	Coarse Spray	1,200
Latex emulsion	12 1/2:1	Fine Spray	235
Resin-in-water emulsion	4:1	Fine opray	300

- Tillage To roughen 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 spaced about 12 inches apart, springtoothed harrows, and similar plows are examples of equipment which may produce the desired effect.
- Irrigation This is generally done as an emergency treatment. Site is sprinkled
- with water until the surface is moist. Repeat as needed. Barriers - Solid board fences, snow fences, burlap fences, crate walls, bales of hay and similar material can be used to control air currents and soil blowing.

Barriers placed at right angles to prevailing currents at intervals of about ten

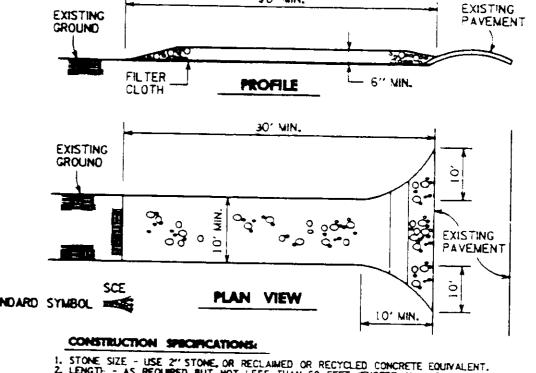
Calcium Chloride - Apply at a rate that will keep surface moist. May need

times their height are effective in controlling soil blowing.

### Permanent Methods:

retreatment.

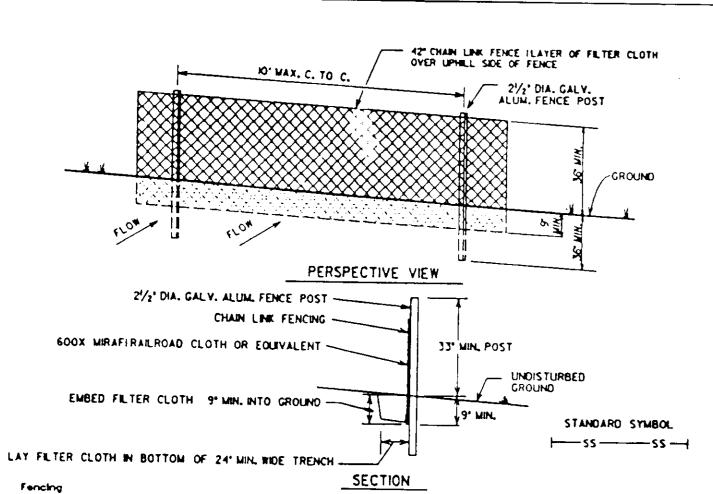
- A. <u>Permanent Vegetation</u> See standards for permanent vegetative cover, and permanent stabilization with sod. Existing trees or large shrubs may afford valuable protection if left in place.
- Topsoiling Covering with less erosive soil materials. See standards for topsoiling
- C. Stone Cover surface with crushed stone or coarse gravel.



1. STONE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH - AS REQUIRED, BUT NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).
3. THICKNESS - NOT LESS THAN SIX (6) INCHES.
4. WIDTH - TEN (10) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
5. FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE-FILTER WILL NOT BE RECLIRED ON A SINGLE FAMILY RESIDENCE LOT.
6. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 511 SLOPES WILL BE PERMITTED.
7. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONCITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RICHTS-OF-WAY. THIS MAY REQUIRE PERSONIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RICHTS-OF-WAY MUIST BE REMOVED MINEDIATELY.
8. WASHING - WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RICHTS-OF-WAY, WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE. S. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

U.S. DEPT. OF AGRICULTURE SOIL CONSERVATION SERVICE COLLEGE PARK, NO. (SP-1)

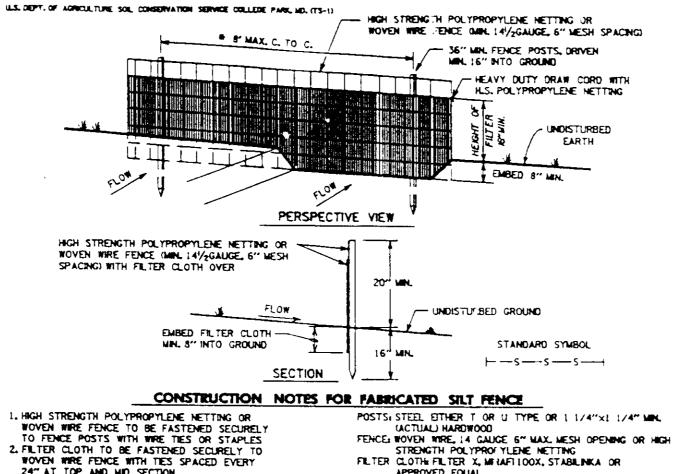
# SEDIMENT AND EROSION CONTROL NOTES



Fencing shall be 42 inch high chain link fence constructed in accordance with the latest Maryland State Highway Administration Standard Details 680.01 and 680.02. The specifications for a 6°0° fence shall be used, substituting 42 inch fabric and 70 inch poets. Poets shall be placed without concrete embedment.

- Chain link fence to be fastened securely to fence posts with wire ties on stoples.
- Filter cloth to be fastened securely to chain link fence with ties spaced every 24 inches at top and

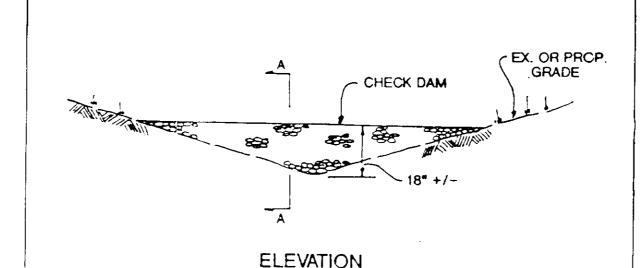
# SEEDING NOTES

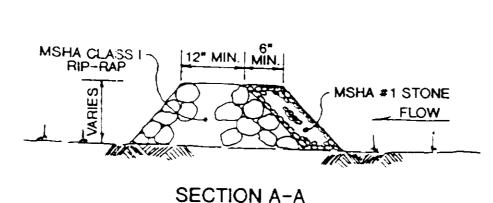


24" AT TOP AND MID SECTION

3. WHEN TWO SECTIONS OF FILTER CLOTH APPROVED EQUAL PREFABRICATED UNIT; GEOFAB, EN/ROFENCE, OR ADJOIN EACH OTHER, THEY SHALL BE OVERLAPPED BY SIX NCHES AND FOLDED. 4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE \* WHEN DOUBLE-STAKED SILT FENCE IS SHOWN ON PLAN, THE MAXIMUM FENCE POST SPACING SHALL BE 4' (C. TO CJ.

# DUST CONTROL

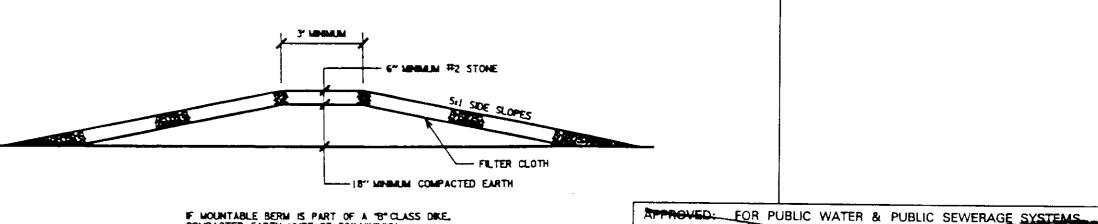




CHECK DAM DETAIL

# CHECK DAM

# STABALIZED CONSTRUCTION ENTERANCE



IF MOUNTABLE BERM IS PART OF A "B" CLASS DIKE, COMPACTED EARTH MUST BE 36" MINIMUM.

### **MOUNTABLE BERM**

## **DEVELOPER'S CERTIFICATION:**

"I/We certify that all development and construction will be done according to this plan, and that any 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 Ension before beginning the project. I also authorize periodic on-site inspection by the floward Soil Conservation District."

LAWRENCE I. ROSENSERO

**ENGINEER'S CERTIFICATION:** "I certify that this plan for erosion and sediment control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District."

This Development Plan is Approved for Soil Erosion and Sediment Control by the Howard Soil Conservation District.

4-3-95

### Revision Description VILLAGE OF RIVER HILL SECTION 2 AREA 3 PHASE 1

HOWARD COUNTY HEALTH DEPART

APPROVED: FOR PUBLIC WATER & PUBLIC SEWERAGE,

HOWARD COUNTY DEPT. OF PLANNING & ZONING

STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.

HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

4/20/95 DATE

COUNTY HEALTH OFFICER

LOTS 70 TO 80 OWNER /DEVELOPER:

4.3.95 MEP ADDRES COUNTY COMMENTS

THE MARK BUILDING COMPANY 1301 YORK ROAD

LUTHERVILLE, MARYLAND 21093 (410) 356-5701

# Daft McCune Walker, Inc.

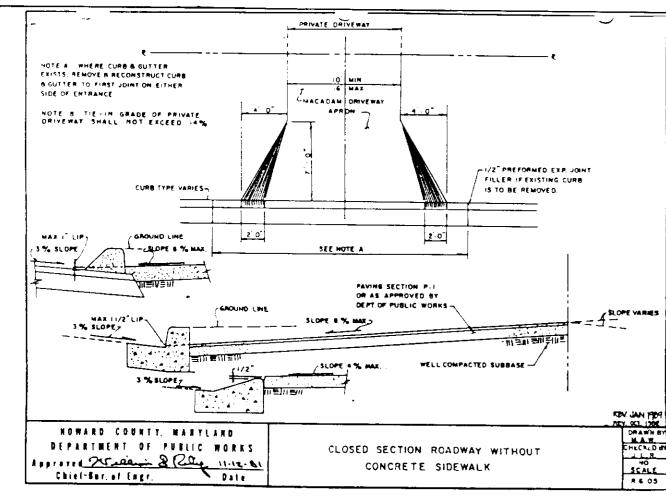
200 East Pennsylvania Avenue Towson, Maryland 21286

Team of Land Planners, Landscape Architects, Engineers, Surveyors & Environmental Professionals VILL OF RIVER HILL SECTION 2 AREA 3 PLAT# OR LF | BLOCK # | ZONE | TANZONE MAP | BLST | 11303 | 14 | NT | 35

SEDIMENT AND EROSION CONROLS DETAILS

Des By PSN Proj. No. 92032.C Dm By PSN Date 2/8/95 4 OF 4 Chk By LWW Professional Engr. No.

# SUPER SILT FENCE



# SILT FENCE