

4. Width - Ten (10) foot minimum, but not less than the fu!! 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 required on a single family residence lot.

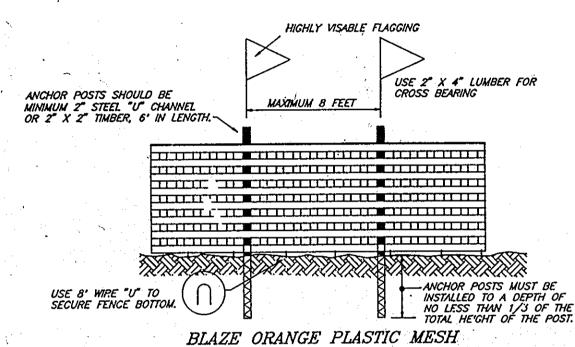
G. Surface Water - All surface water flowing or diverted toward construction entrances shall be piped across the entrance. If piping is impractical, a mountable berm with 5: I slopes will be permitted.

7. Maintenance - The entrance shall be maintained in a condition, which will prevent tracking or flowing of Sediment anto public rights - of-way. This may require periodic top dressing with additional stone as conditions demand and repair and ar cleanout of any measures used to trap sediment. All sediment spilled, drapped, washed or tracked onto public rights-of-way must be removed immediately.

8. 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

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

STABILIZED CONSTRUCTION ENTRANCE (SCE



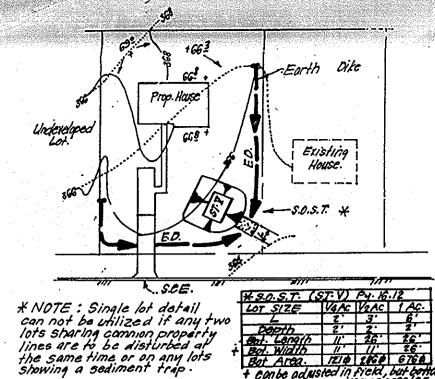
TYPICAL TREE PROTECTION FENCE DETAIL

. Forest protection device only. Retention area will be set as part of the review process. Boundaries of retention area should be staked and flagged prior to installing device. Root damage should be avoided.

Protection signage may also be used.

Device should be maintained throughout construction

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING CHEF DIVISION OF LAND DEVELOPMENT APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE. STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF RUBLIC WORKS



SINGLE LOT SEDIMENT CONTROL PLAN

CONSTRUCTION SPECIFICATIONS:

I All dikes shall have positive dialrage to an outlet.

2. All dikes shall have positive dialrage to an outlet.

3. Top width may be wider and side slopes may be flotler it desired, to facilitate objection traffic.

4. Field location should be adjusted as needed to utilize a stabilized sofe outlet.

5. Earth dites shall have an outlet that functions with a minimum of ension. Runging stall be conveyed to a sediment trapping device such as a sediment trap or sediment basin where either, the dite channel or the dialrage area above the dite are not adequately stabilized.

6. Stabilization shall be: (A) In accordance with standard specifications for seed and straw mulch or straw mulch if not in seeding season, (B) flow channel as per chart below.

FLOW CHANNEL STABILIZATION. THE OF CHANNEL DIKE A DIKE B

TREATMENT GRADE

0.5-3.0% Seed \$5 Staw Mulch

2. 3.1-5.0% Seed \$5 Staw Mulch

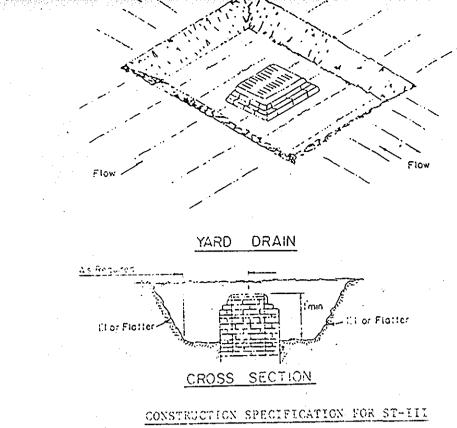
3.1-5.0% Seed \$5 Staw Mulch

4. 5.1-6.0% Seed \$5 Staw Mulch

A Start of Seed \$1 Staw Mulch

5.1-6.0% Seed \$1 St 7. Periodic Inspection and Required Maintenance must be provided after each rain. EARTH DIKE DETAIL (E.D.)

Sec.

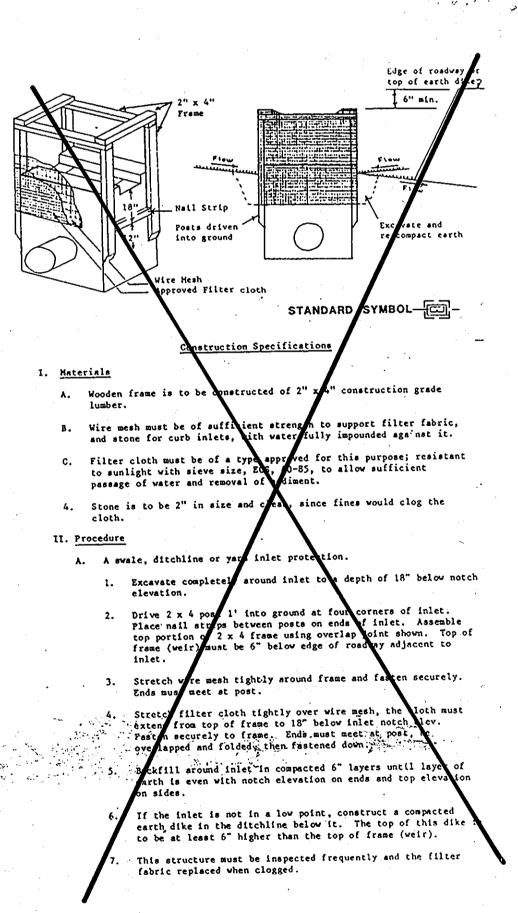


1. Sediment shall be removed and the trap restored to its original dimensions when the sediment has accumulated to is the design depth of the trap. Removed sediment shall be deposited in a suitable area and in such a manner that it will not erode.

STORM INLET SEDIMENT TRAP ST-III

- 2. The volume of sediment storage shall be 1800 cubic feet per acre of contributory drainage.
- 3. The structure shall be inspected after each rain and repairs made as needed.
- 4. Construction operations shall be carried out in such a manner that erosion and water pollution shall be minimized.
- 5. The sediment trap shall be removed and the area stabilized when the constructed drainage area has been properly stabilized
- 6. All cut slopes shall be 1:1 or flatter.

Maximum Drainage Area: 3 Acres



Reviewed for HOWAKD S.C.D and meets Technical Requirements

U.S. Natural Resources

Conservation Service

This Development Plan is Reproved

For Soil Erosion and Sediment

Control By The Howard Soil

I/We certify that all development and construction will be done according Certificate of Attendance at a Department of the Environment Approved raining Program for the Control of Sediment and Erosion before beginning the project. I also authorize periodic on-site inspection by the Howard Soil Conservation District or their authorized agents, as are deemed

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 sgft.) 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 the 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 dolomatic limestone (92 lbs/1000 sg ft.) and 1000 lbs. per acre 10-10-10- fertilizer (23 lbs./1000 sg 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 60lbs 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 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 asphall on flat areas. On slopes 8 feet or higher, use 348 gallons per acre (8 gal/1000 sq ft) for anchoring.

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

TEMPORARY SEEDING NOTES

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

SOIL AMENDMENTS: Apply 600 lbs per acre 10-10-10 fertilizer (14lbs/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 lbs./1000 sq ft). For the period May 1 thru August 14, seed with 3 lbs per acre of weeping lovagrass (.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 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/1000 sq ft) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using grain strow infinediately after seasing. Afterior material infinediately 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.

REFER TO THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED

SEDIMENT AND EROSION CONTROL NOTES

- A minimum of 24 hours notice must be given to the Howard County Office of Inspection and Permi's prior to the start of any construction. (313-1855).
- 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 SPECS. FOR SOIL EROSION AND SEDIMENT CONTROL.
- 3. Following initial soil disturbance or redisturbance, permanent or temporary stabilization shall be completed within: a) 7 calendar days for all perimeter sediment control stuctures, 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 perimeters in accordance with Voi.1, Chapter 12, of the HOWARD COUNTY DESIGN MANUAL, Storm
- 5. All disturbed areas must be stabilized within the time period specified above in accordance with the 1983 MARYLAND STANDARDS AND SRECIFICATIONS 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 in 'h 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.

Total Area of Site:	3.35 Ac.
Area Disturbed:	3.20 Ac.
Area to be roofed or paved:	0.70 Ac.
trea to be vegetatively stabilized.:	Z.50 Ac.
Total Cut:	2954 CY
Total Fill ;	138 CY

- Offsite Waste/Borrow Area Location: *

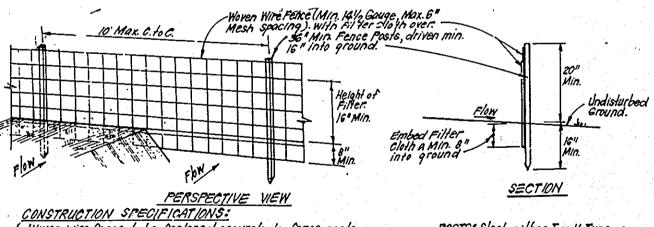
 8. Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
- Additional sediment control must be provided, if deemed necessary by the Howard County DPW Sediment Control Inspector. 10. On all sites with disturbed 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
- 11. The total amount of silt fence

* It is the responsibility of the contractor to identify the spoil/borrow site and notify and gain approval from the sediment control inspector of the site and it's grading permit number at the time of construction.

CONSTRUCTION SEQUENCE:	NO. OF DAYS
1. Obtain grading permit	7
2. Install tree protection fence.	7
3. * Install sediment and erosion control devices and stabilize.	14
	30
4. Excavate for foundations, rough grade and temporarily stabilize	€
6 Final grade and stabilize in accordance with Stds. and Specs.	14
7. Upon approval of the sediment control inspector, remove sediment and erosion control devices and stabilize.	7

*NOTE-Delay construction of house on lot 2; See single lot sediment control detail this sheet



I. Woven wire fence to be fastened securely to fence posts with wire ties of staples.

2. Filter Cloth to be fastened securely to woven wire fence with ties spaced every 24° at top and mid section. 3. When 2 sections of filter cloth adjoin each other they shall be overlapped by 6" and folded.

4. Maintenance shall be performed as needed and material removed when "bulges" develop in Silt Fence.

POSTS: Steel either Tor U Type or 2" Hard wood. FENCE: Woven Wire, 1412 Gage 6" Max. Mosh Opening. FILTER CLOTH: Filter & Mirafi 100% Stablinka, TI40N or Approv. equa PREFABRICATED UNIT: Geofab. Envirofence, or Approv. equal.

JOB NO.

94-074

FILE NO.

94-074 SE

DEVELOPER

OWNER JOSEPH and AMY BARTH 311/ Boones Lane Ellicott City, Md. 21012

PINE MEADOWS PARTNERSHIP % Land Design & Development, Inc. 10805 Hickory Ridge Road Columbia, Md 21041



CLARK • FINEFROCK & SACKETT, INC. ENGINEERS • PLANNERS • SURVEYORS

7135 MINSTREL WAY . COLUMBIA, MD. 21045 . (301) 381-7500 - BALTO. . (301) 621-8100 - WASH DESIGNED SEDIMENT É EROSION CONTROL PLAN As Show ZAL LOTS 2,3,4 and 9-15 PINE MEADOWS AT DRAWING DRAWN 30F3

TURF VALLEY CHECKED 2ND ELECTION DISTRICT HOWARD COUNTY MARYLAND

> FOR: MT. BAY HOMES, INC. 10304 - A Baltimore National Pike Ellicott City, Maryland 21043

DEVELOPER'S / BUILDER'S CERTIFICATE

to this plan of development and plan for sediment and erosion control and that all responsible personnel involved in the construction project will have a

I hereby certify that this plan for Sediment and Erosion Control represents a practical and workable

6-1-95

ENGINEER'S CERTIFICATE

plan based on my personal knowledge of the site

condtions and that it was prepared in accordance

G NELSON CLARK

with the requirements of the Howard Soil Conserva-