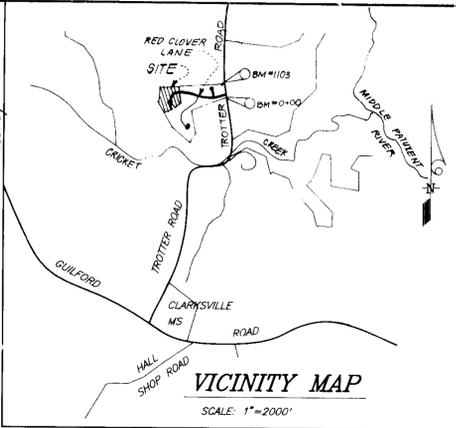
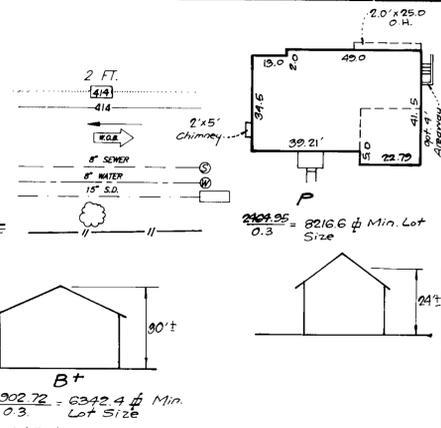


FOREST HILLS  
PLAT NO. 5590  
LOT 31  
ZONED R

**LEGEND**

CONTOUR INTERVAL  
EXISTING CONTOUR  
PROPOSED CONTOUR  
DIRL "X" OF DRAINAGE  
W.A. "X" BASEMENT  
EXISTING SEWER MAIN  
EXISTING WATER MAIN  
EXISTING STORM DRAIN  
EXISTING TREES TO REMAIN  
TREE PROTECTION FENCE



**GENERAL NOTES:**

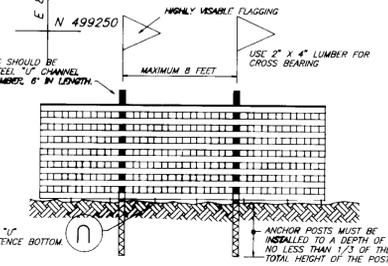
- The contractor shall notify the Department of Public Works/ Bureau of Construction Inspection a (301) 792-7272 at least five (5) working days prior to the start of work.
- The contractor shall notify "Miss Utility" at 1-800-257-7777 at least 48 hours prior to any excavation work.
- The existing topography shown was taken from F-92-87 that was prepared by John R. Hendrichs, P.E.
- The coordinates shown herein are based upon the Howard County Geodetic Control which is based upon the NAD 27 Maryland Coordinate System - Control Stations No.'s 2437001, 2337002, and 2330033.
- Storm water management is provided per: F-92-87.
- Any damage to county owned rights-of-way shall be corrected at the developer's expense.
- Utilities shown as existing are taken from approved water and sewer plan Contract #34-3178-D approved road construction plans F-92-87, and actual field survey.
- Department of Planning and Zoning reference file numbers are: S 92-02, PB Case 274, WP-92-22, F-92-87.
- All roadways are public and existing.
- Subject property is zoned: New Town per B-2-85 Comprehensive Zoning Plan.
- The total area included in this submission is: 4.35 Ac.
- The total number of lots included in this submission are: 11.
- No clearing, grading, or construction is permitted within the wetland or stream buffers.
- The maximum lot coverage is: 30%
- Improvement to Property: Single Family Detached
- See Howard County Standards R.G.01, R.G.03 & R.G.05 for Driveway, Abutting Details.

**SPECIAL NOTES:**

This plan is for house siting and lot grading only. Improvements shown within the rights-of-way on this S.D.P. are not to be used for construction. For construction, see approved Road Construction Plans F-92-87 and/or approved Water and Sewer Plans Contract #0-34-3178-D.

**TYPICAL HOUSES**

NOTE: All units have 1" roof eaves front and rear.



Notes:  
1. Forest protection device only.  
2. Retention area will be set as part of the review process.  
3. Boundaries of retention area should be staked and flagged prior to installing device.  
4. Root damage should be avoided.  
5. Protection signage may also be used.  
6. Device should be maintained throughout construction.

**BLAZE ORANGE PLASTIC MESH TYPICAL TREE PROTECTION FENCE DETAIL**  
NO SCALE

ADDRESS CHART		
LOT NUMBER	STREET ADDRESS	STREET ADDRESS
13	G038	RED CLOVER LANE
14	G042	RED CLOVER LANE
15	G046	RED CLOVER LANE
16	G050	RED CLOVER LANE
17	G054	RED CLOVER LANE
18	G058	RED CLOVER LANE
19	G062	RED CLOVER LANE
20	G066	RED CLOVER LANE
21	G070	RED CLOVER LANE
22	G074	RED CLOVER LANE
23	G078	RED CLOVER LANE

SHEET INDEX			
SITE DEVELOPMENT PLAN SHEET 1			
SEDIMENT & EROSION CONTROL SHEET 2 of 3			

OWNER/DEVELOPER				SUBDIVISION NAME		SECTION/AREA		LOTS/PARCELS	
Howard Research & Dev. Corp 10275 Little Patuxent Pkwy Columbia MD. 21044				COLUMBIA VILLAGE OF RIVER HILL		1/4		13 THRU 23	
PLAT NO.	BLOCK NO.	ZONE	TAX MAP NO.	ELECTION DIST.	CENSUS TRACT				
10306-70	8	N.T.	35	5711	G053 01				
WATER CODE				SEWER CODE					
I-10				G053500					

**CLARK • FINEROCK & SACKETT, INC.**  
ENGINEERS • PLANNERS • SURVEYORS  
7135 MINISTREL WAY • COLUMBIA MD. 21045 • (301) 981-7510 BALTO • (410) 271-1100 WASH DC

DESIGNED		SITE DEVELOPMENT PLAN		SCALE	
JME		LOTS 13 THRU 23		1"=30'	
DRAWN		COLUMBIA		DRAWING	
BAL		VILLAGE OF RIVER HILL		1 OF 3	
CHECKED		SECTION 1 AREA 4		JOB NO.	
JME		5TH ELECTION DISTRICT		92 065	
DATE		HOWARD COUNTY, MARYLAND		FILE NO.	
MAY 1992		FOR: GODDARD BUILDERS, INC.		02-065 X	
		5054 Dorsey Hall Dr #205			
		Ellicott City, Md. 21043			

NO	REVISIONS	Date
5	Rev hse. lot 20	10-27-94
4	Rev hse. f.grd. lot 22, Add hse typical	11-8-93
3	Rev hse. f.grd. lots 15, 17 & 18, Add hse typical	7-9-93
2	Rev hse. f.grd. lot 17, add hse typical	6-21-93
1	Rotate house on lot 20 As per HRD Comments	7-8-92

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS.  
HOWARD COUNTY HEALTH DEPARTMENT  
8/10/92  
APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING  
8/14/92  
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE  
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
8/16/92

NOTE: Refurbish & Reshape Existing Trap No. 3 as shown. (1-21-87)

**TRAP NO. 3 SOST 67-V**

Drainage Area 2.2 Ac  
 Storage Required 3360 CF  
 Storage Provided 4080 CF  
 Depth 4'  
 Top of Stone Weir 360.0  
 Clean out Elev. 357.0  
 Bottom Elev. 355.0  
 Bottom Dimensions 9'x52'  
 2:1 Side Slopes  
 L=9'

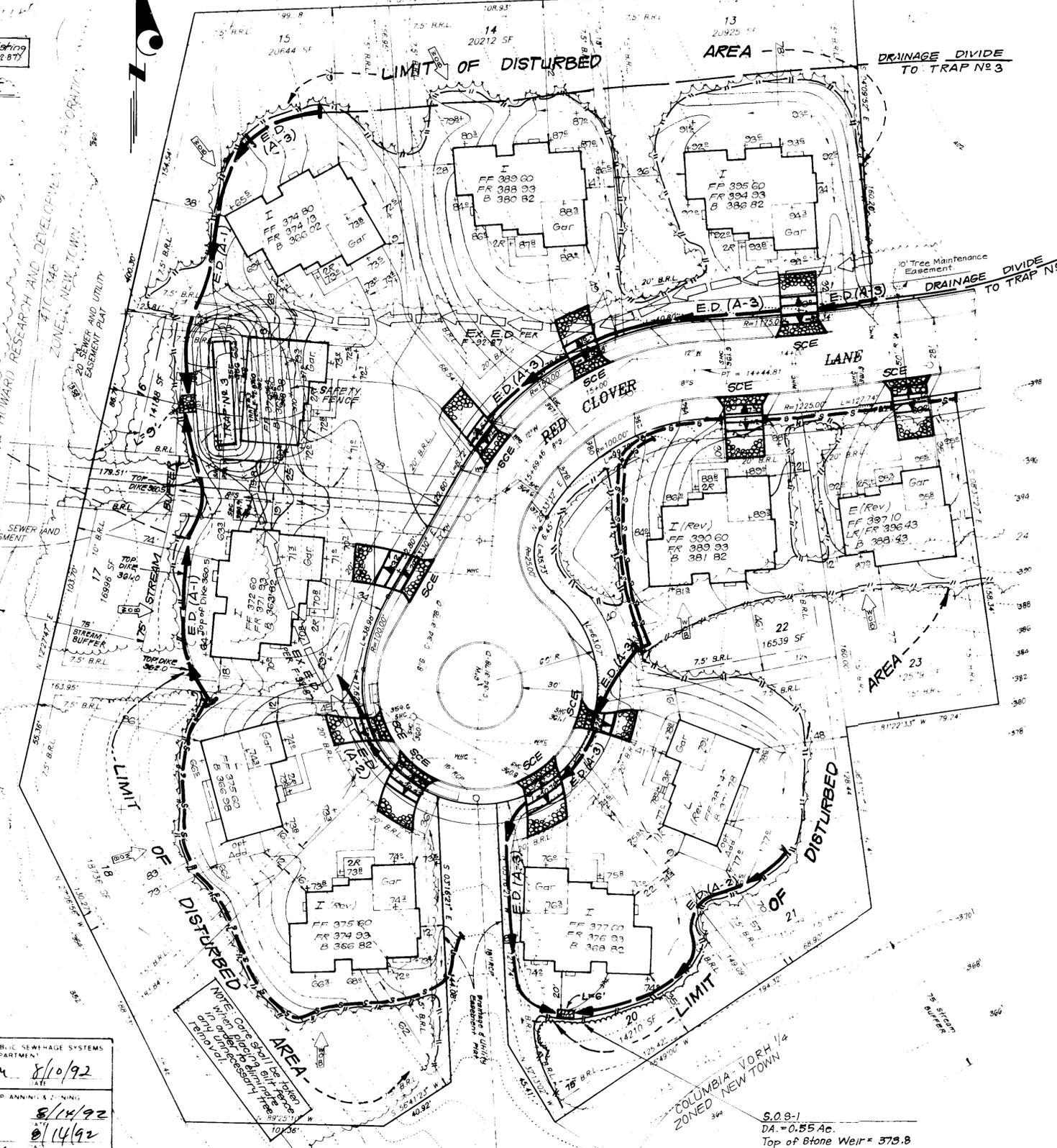
NOTE: The Contractor shall provide maintenance to earth dikes and silt fences to ensure positive drainage to traps.

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
 HOWARD COUNTY HEALTH DEPARTMENT  
 Joyce M. Snyder, Director 8/10/92

APPROVED HOWARD COUNTY DEPT. OF PLANNING & ZONING  
 James R. Keith, Director 8/14/92  
 Emma J. Himmatt, Director 8/14/92

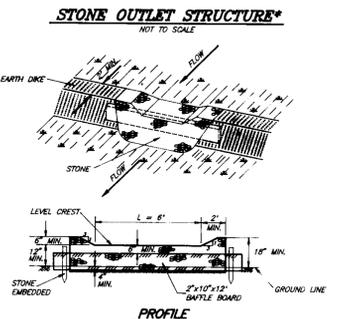
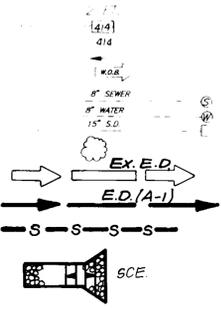
APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE  
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 Kenneth J. Gannon, Director 8/16/92

CHIEF BUREAU ENGINEERING 8-5-92



**LEGEND**

- EXISTING CONTOUR
- EXISTING CONTOUR
- PROPOSED CONTOUR
- DIRECTION OF DRAINAGE
- WALK OUT BASEMENT
- EXISTING SEWER MAIN
- EXISTING WATER MAIN
- EXISTING STORM DRAIN
- EXISTING TREES TO REMAIN
- Existing Earth Dike
- Proposed Earth Dike
- Proposed Silt Fence
- Stabilized Construction Entrance w/ Mound Berm



- 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 3A.
  2. THE CREST OF THE STONE DIKE SHALL BE AT LEAST SIX INCHES LOWER THAN THE HIGHEST 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 SIX.
  5. THE STONE OUTLET STRUCTURE SHALL BE INSPECTED AFTER EACH RAIN. IF THE STONE SHALL BE REPLACED WHEN THE STRUCTURE CEASES TO FUNCTION AS INTENDED DUE TO SILT ACCUMULATION AMONG THE STONE, WASHING, CONSTRUCTION TRAFFIC DAMAGE, ETC.
  6. THE BATTLE BOARD SHALL BE EXTENDED ONE FOOT INTO THE DIKE, STAKED AND EMBEDDED 4 INCHES INTO EXISTING GROUND.
- \* DRAINAGE AREA LESS THAN 1/2 ACRE.

Reviewed for HOWARD S.C.D.  
 Name  
 and meets Technical Requirements  
 Signature: [Signature] Date: 1/29/92  
 US Soil Conservation Service

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.  
 Approved: [Signature] 5-11-92

**DEVELOPER'S/BUILDER'S CERTIFICATE**

"I/We certify that all development and construction will be done according 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 Certificate of Attendance at a Department of the Environment Approved Training 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 necessary."

Signature: [Signature] Date: 5/11/92

OWNER/DEVELOPER  
 HOWARD RESEARCH & DEV. CORP.  
 10275 Little Patuxent Pkwy.  
 Columbia, MD 21044

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

DESIGNED: KIWM  
 DRAWN: BAL  
 CHECKED: KIWM  
 DATE: MAY 1992

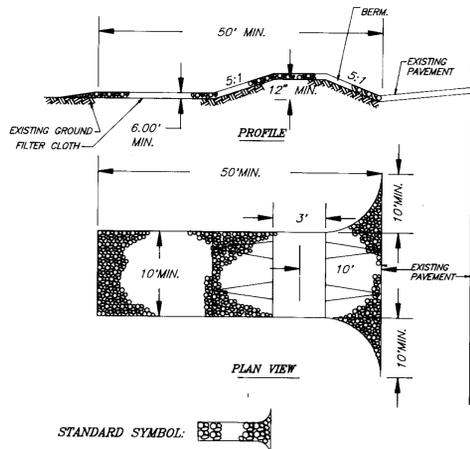
SEDIMENT AND EROSION CONTROL PLAN  
 LOTS 13 THRU 23  
**COLUMBIA**  
 VILLAGE OF RIVER HILL  
 SECTION 1 AREA 4  
 5TH ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND

FOR: [Signature] 5-11-92

S.O.S-1  
 DA = 0.55 Ac.  
 Top of Stone Weir = 373.8  
 L = 6'

Note: The Stone outlet structure shall be inspected after each rain.

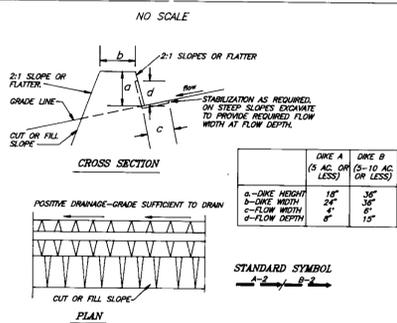
**ENGINEER'S CERTIFICATE**  
 I hereby certify that this plan for Sediment and Erosion Control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.  
 Signature: [Signature] Date: 5-11-92



**CONSTRUCTION SPECIFICATIONS**

- STONE SIZE: USE 2" STONE, OR RECYCLED CONCRETE EQUIVALENT.
- LENGTH: AS REQUIRED, BUT NOT LESS THAN 30 FEET (EXCEPT ON A RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY.)
- THICKNESS: NOT LESS THAN SIX (6) INCHES.
- WIDTH: TEN (10) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
- FILTER CLOTH: WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE. FILTER CLOTH WILL NOT BE REQUIRED ON A SINGLE FAMILY RESIDENCE.
- SURFACE WATER: ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTAINABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
- 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 AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
- 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 DEVICE.
- PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAINFALL.

**STABILIZED CONSTRUCTION ENTRANCE (SCE)**



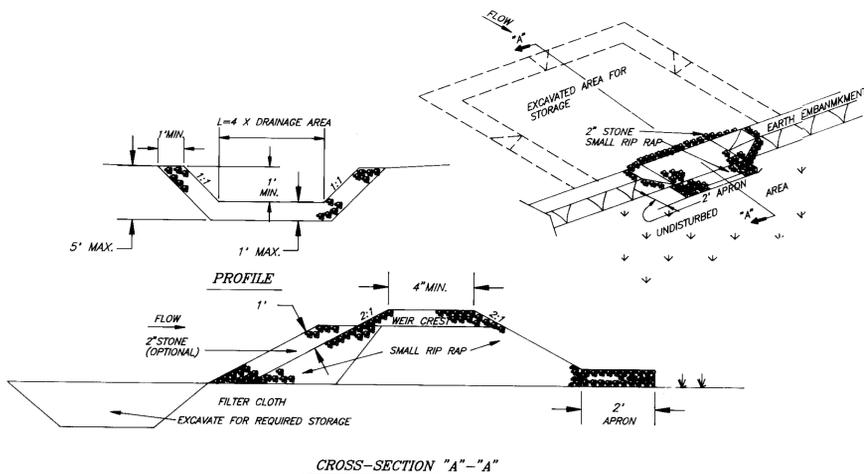
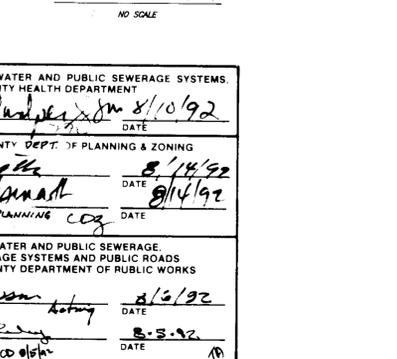
**CONSTRUCTION SPECIFICATIONS**

- All dikes shall be compacted by earth moving equipment.
- All dikes shall have positive drainage to an outlet.
- Top width may be wider and side slopes may be flatter if desired to facilitate crossing by construction.
- Final location should be adjusted as needed to utilize a stabilized safe outlet.
- Dike shall be a minimum of 2 feet high and 2 feet wide. Runoff shall be conveyed to a sediment trapping device such as a sediment trap or sediment ditch where the dike channel or its drainage area above the dike are not adequately stabilized.
- 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 the chart below.

**FLOW CHANNEL STABILIZATION**

TYPE OF TREATMENT	CHANNEL GRADE	DIKE A	DIKE B
1	0.5-3.0%	SEED AND STRAW MULCH	SEED AND STRAW MULCH
2	3.1-5.0%	SEED USING JUTE OR EXCESSOR; SO; 2" STONE	SEED USING JUTE OR EXCESSOR; SO; 2" STONE
3	5.1-8.0%	SEED WITH JUTE, OR SO; 2" STONE	SEED WITH JUTE, OR SO; 2" STONE
4	8.1-20%	LINED RIP-RAP 4"-8"	ENGINEERING DESIGN

**EARTH DIKE (ED)**



**CROSS-SECTION "A"-A"**

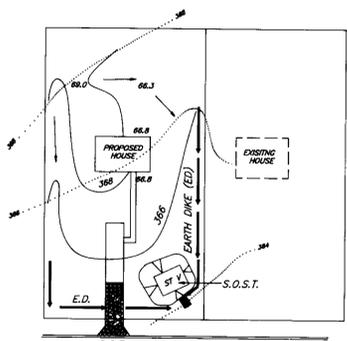
OPTION: A one foot layer of 2" stone may be placed on the upstream side of the rip rap in place of the embedded filter cloth.

**CONSTRUCTION SPECIFICATIONS FOR ST-V**

- Area under embankment shall be cleared, grubbed and stripped of any vegetation on a root mat. The pool area shall be cleared.
- The fill material for the embankment shall be free of roots and other woody vegetation as well as over-sized stones, rocks, organic material or other objectionable material. The embankment shall be compacted by traversing with equipment while it is being constructed.
- At cut and fill slopes shall be 2:1 or flatter.
- The stone used in the outlet shall be rip rap 4"-8" along with a 1" thickness of 2" aggregate placed on the up-grade side on the small rip rap or embedded filter cloth in the rip rap.
- Sediment shall be removed and the trap restored to its original dimensions when the sediment has accumulated to 1/2 the design depth of the trap.
- The structure shall be inspected after each rain and repairs made as needed.
- Construction operations shall be carried out in such a manner that erosion and water pollution is minimized.
- The structure shall be removed and the area stabilized when the drainage area has been properly stabilized.

**STONE OUTLET SEDIMENT TRAP (ST-V)**

NO SCALE



NOTE: Single lot detail cannot be utilized if any two lots sharing common property lines are to be disturbed at the same time or on any lots showing an existing sediment trap.

LOT SIZE	1/4 ACRE	1/2 ACRE	1 ACRE
DEPTH	2'	3'	4'
BOULENLENGTH	11'	26'	26'
BOULENWIDTH	11'	11'	26'
BOT. AREA	121SF	286SF	676SF

**SINGLE LOT SEDIMENT CONTROL PLAN**

NO SCALE

**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:
- 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 the time of seeding, apply 400 lbs. per acre 30-0-0 ureaform fertilizer (9 lbs./1000 sq ft.)
  - Acceptable- Apply 2 tons per acre dolomitic limestone (92 lbs./1000 sq ft.) and 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 80 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 80 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 unrattled 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 anchoring.

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

**TEMPORARY SEEDING NOTES**

SEEDBED PREPARATION: 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 (14 lbs./1000 sq ft).
- SEEDING: For periods March 1 thru April 30 and August 15 thru November 15, seed with 2 1/2 bushel per acre of annual ryegrass (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 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 unrattled 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 anchoring.

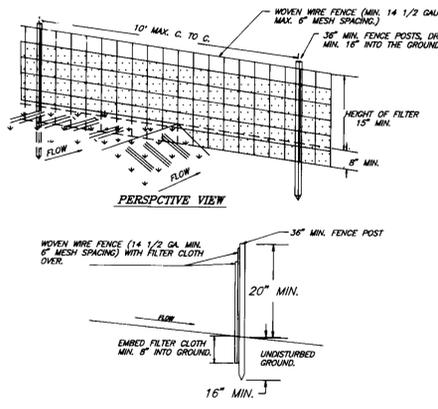
REFER TO THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.

**SEDIMENT AND EROSION CONTROL NOTES**

- A minimum of 24 hours notice must be given to the Howard County Office of Inspection and Permits prior to the start of any construction. (892-2437).
- 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.
- Following initial soil disturbance or redistribution, 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 perimeters in accordance with Vol. 1, Chapter 12, of the HOWARD COUNTY DESIGN MANUAL, Storm Drainage.
- All disturbed areas must be stabilized within the time period specified above in accordance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for permanent seedings (Sec. 51) and (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.
- SITE ANALYSIS:
 

Total Area of Site:	4.347 Ac
Area Disturbed:	2.92 AC
Area to be roofed or paved:	1.03 AC
Area to be vegetatively stabilized:	1.82 AC
Total Cut:	4729.5 CV
Total Fill:	4162 CV
- Off-site Wash/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 DFW 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.
- If houses are to be constructed on an "as sold" basis, at random, Single Family Sediment Control, as shown below shall be implemented.
- All pipe-lets blocked at the end of each day (see detail this sheet). N/A
- The total amount of silt fence= 315 LF

\*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 NOTES FOR FABRICATED SILT FENCE**

- WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
- FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
- WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.
- MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

POSTS: STEEL EITHER T OR U TYPE OR 2" HARDWOOD.  
FENCE: WOVEN WIRE, 14 GA, 6" MAX. MESH SPACING.  
FILTER CLOTH: FILTER X MIRAFI 100X, STABILINKA T140X, OR APPROVED EQUAL.  
PREFABRICATED UNIT: GEOPAB, ENVIROFENCE, OR APPROVED EQUAL.

**SILT FENCE (S)**

NO SCALE

**CONSTRUCTION SEQUENCE:**

	NO. OF DAYS
A. Obtain grading permit and install sediment and erosion control devices, free protection fence and straw/irre.	7
B. Excavate for foundations, rough grade and temporarily stabilize.	14
C. Construct structures, sidewalks and driveways.	10
D. Final grade and stabilize in accordance with Stds. and Specs.	10
E. Upon approval of the sediment control inspector, remove sediment and erosion control devices and stabilize.	7

\*Delay construction of houses on lots #10. See single lot sediment control detail, this sheet.

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS.  
HOWARD COUNTY HEALTH DEPARTMENT  
COUNTY HEALTH OFFICER: [Signature] DATE: 8/10/92

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING  
PLANNING DIRECTOR: [Signature] DATE: 8/14/92

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE.  
STORM DRAINAGE SYSTEMS AND PUBLIC WORKS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
DIRECTOR: [Signature] DATE: 8/10/92

CHIEF BUREAU OF ENGINEERING: [Signature] DATE: 8-5-92

Reviewed for HOWARD S.C.D. Name: [Signature] and meets Technical Requirements [Signature] Signature: [Signature] Date: [Signature]

DEVELOPER'S/BUILDER'S CERTIFICATE  
"I/We certify that all development and construction will be done according 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 Certificate of Attendance at a Department of the Environment Approved Training 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 necessary."  
Signature: [Signature] Date: 5/11/92

ENGINEER'S CERTIFICATE  
I hereby certify that this plan for Sediment and Erosion 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.  
Signature: [Signature] Date: 5-11-92

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.  
Approved: [Signature]

OWNER/DEVELOPER  
HOWARD RESEARCH & DEV CORP  
10275 Little Patuxent Pkwy  
Columbia, MD 21044

CLARK • FINEFROCK & SACKETT, INC.  
ENGINEERS • PLANNERS • SURVEYORS  
7135 MINSTREL WAY • COLUMBIA, MD 21045 • (301) 381-7500 - BALTO. • (301) 671-9100 - WASH.

DESIGNED: [Signature]  
DRAWN: [Signature]  
CHECKED: [Signature]  
DATE: MAY 1992

SEDIMENT AND EROSION CONTROL PLAN  
LOTS 13 THRU 23  
COLUMBIA  
VILLAGE OF RIVER HILL  
SECTION 1 AREA 4  
5TH ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND

SCALE: AS SHOWN  
DRAWING: 30F3  
JOB NO: 92.065  
FILE NO: 92.065-SE

FOR: GODDIER BUILDERS, INC.  
5054 Dorsey Hall Dr. #205  
Ellicott City, Md 21043