

SHEET INDEX	
SHEET	DESCRIPTION
1	TITLE AND VICINITY PLAN
2	PATHWAY PLAN
3	PATHWAY LAYOUT
4	SEDIMENT CONTROL NOTES AND DETAILS

SITE DEVELOPMENT PLAN FOR POINTERS RUN NEIGHBORHOOD PATHWAYS VILLAGE OF RIVER HILL 2/6 PHASE 1, 2 & 3

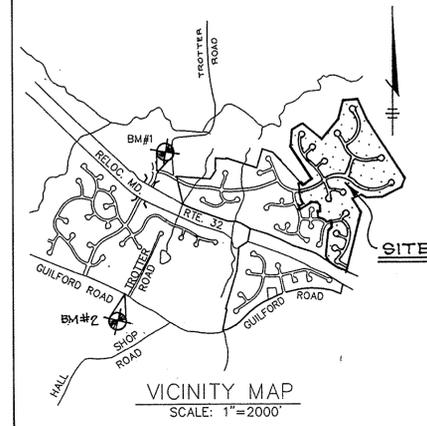
OPEN SPACE LOTS 65, 66, 197-200, & 241 FIFTH (5th) ELECTION DISTRICT HOWARD COUNTY, MARYLAND

PREVIOUS COUNTY FILE REFERENCES:

FDP PHASE 209, PART VI F-96-98
FDP PHASE 209, PART VI, PHASES 2 & 3 F-96-138 & F-97-125

GENERAL NOTES:

1. THE SCOPE OF THIS PLAN IS THE CONSTRUCTION OF A PATHWAY SYSTEM ON THE RESPECTIVE OPEN SPACE PARCELS.
2. THE PATHWAY LOCATION AND ALIGNMENT AS SHOWN IS APPROXIMATE. ACTUAL PATH ALIGNMENT IS TO BE ADJUSTED IN THE FIELD IN CONSIDERATION OF AESTHETICS, FUNCTION AND SAFETY AND TO MINIMIZE THE IMPACT ON EXISTING VEGETATION. PATHS WILL FOLLOW EXISTING TOPO TO THE EXTENT POSSIBLE TO MAINTAIN GRADIENT. (SEE ALSO NOTE #16)
3. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY AND MSHA STANDARDS AND SPECIFICATIONS IF APPLICABLE.
4. THE CONTRACTOR SHALL NOTIFY THE BUREAU OF ENGINEERING/CONSTRUCTION INSPECTION DIVISION AT (410) 313-1880 AT LEAST FIVE (5) DAYS PRIOR TO THE START OF WORK.
5. THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-777 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK.
6. TRAFFIC CONTROL DEVICES, MARKINGS AND SIGNING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). ALL STREET AND REGULATORY SIGNS SHALL BE IN PLACE PRIOR TO THE PLACEMENT OF ANY ASPHALT.
7. TOPOGRAPHY WAS TAKEN FROM AVAILABLE PLANS & RECORDS. F-96-98, F-96-138, F-97-125
8. HORIZONTAL CONTROLS ARE BASED ON MARYLAND STATE GRID SYSTEM AS PER THE RESPECTIVE RECORD PLATS. VERTICAL CONTROL IS BASED ON HOWARD COUNTY MONUMENTS.
9. FLOODPLAIN AND WETLAND LIMITS WERE DERIVED FROM THE RESPECTIVE RECORD PLATS ESTABLISHED UNDER SUBDIVISION PLANS F-96-98, F-96-138, F-97-125.
10. STORMWATER MANAGEMENT FOR THESE SITES IS PROVIDED BY THE EXISTING REGIONAL FACILITIES UNDER F-96-98, F-96-138, F-97-125
11. THE EXISTING UTILITIES WERE LOCATED FROM AVAILABLE PLANS AND RECORDS. THE CONTRACTOR MUST DIG TEST PITS BY HAND AT ALL UTILITY CROSSING AND CONNECTION POINTS TO VERIFY EXACT LOCATION.
12. ANY DAMAGE TO COUNTY RIGHTS-OF-WAY OR PAVING OF PUBLIC ROADS SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTORS EXPENSE IN ACCORDANCE WITH THE HOWARD COUNTY SPECIFICATIONS AND STANDARDS.
13. THE DEVELOPER IS RESPONSIBLE FOR THE ACQUISITION OF ALL EASEMENTS, RIGHTS AND/OR RIGHTS-OF-WAY THAT MAY BE REQUIRED FOR THE SEDIMENT AND EROSION CONTROL PRACTICES, STORMWATER MANAGEMENT PRACTICES AND THE DISCHARGE OF STORMWATER ONTO OR ACROSS ADJACENT OR DOWNSTREAM PROPERTIES INCLUDED IN THIS PLAN. HE IS ALSO RESPONSIBLE FOR THE ACQUISITION OF ALL EASEMENTS, RIGHTS AND/OR WORK ON ADJACENT PROPERTIES INCLUDED IN THIS PLAN.
14. THE PAVEMENT DETAILS SHOWN ON THESE PLANS REFLECT THE HOWARD COUNTY MINIMUM STANDARD PAVEMENT SECTIONS AND ARE NOT BASED ON SITE SPECIFIC CONDITIONS. PRIOR TO PAVING, THE FINAL PAVEMENT SECTIONS SHALL BE DETERMINED BY A QUALIFIED GEOTECHNICAL ENGINEER BASED ON IN-SITU TESTING OF THE FINISHED SUBGRADE. ANY PAVEMENT SECTION DETERMINED BY THE GEOTECHNICAL ENGINEER THAT IS LESS THAN THE HOWARD COUNTY MINIMUM STANDARD SHALL FIRST BE APPROVED BY THE HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS. THE TESTING AND GEOTECHNICAL ENGINEER SHALL BE PROVIDED BY THE OWNER.
15. CONTRACTOR IS SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES AND SAFETY PRECAUTIONS AND PROGRAMS.
16. PATHWAY ALIGNMENTS ARE APPROXIMATE. ACTUAL LOCATION IS TO BE DETERMINED IN THE FIELD TO REDUCE IMPACT ON EXISTING VEGETATION. HOWEVER, ANY SUBSTANTIAL DEVIATION FROM THE PLANS AND SPECIFICATION WITHOUT WRITTEN CONSENT OF THE ENGINEER MAY CAUSE THE WORK TO BE UNACCEPTABLE.
17. MAINTENANCE OF THE PATHWAY WILL BE THE RESPONSIBILITY OF THE COLUMBIA ASSOCIATION.
18. SEE ADDITIONAL PATHWAY CONSTRUCTION NOTES AND DETAILS SHEET 4 OF 4.



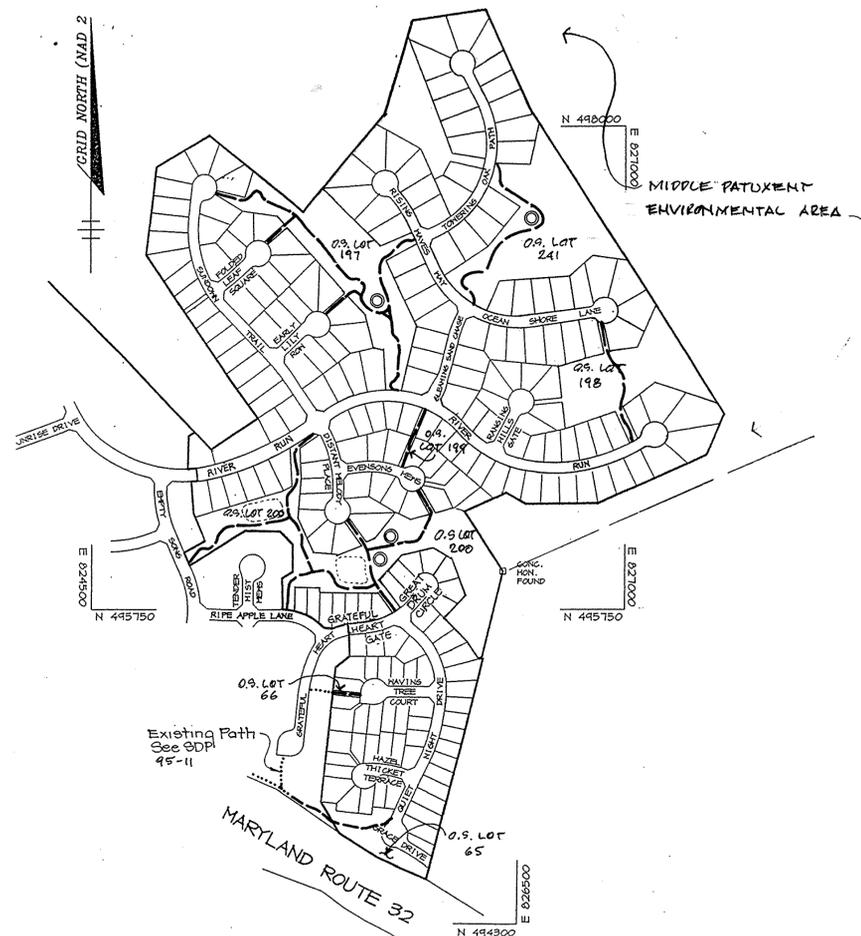
BENCHMARKS

BM#1 RAILROAD SPIKE IN POLE #525680
TROTTER ROAD ELEV. 393.27
N 496697.02 E 822026.81

BM#2 CONG. MONUMENT 0.33' BELOW SURFACE
AT INTERSECTION OF TROTTER ROAD AND
GUILFORD ROAD #2437001 ELEV.=465.56
N 493904.975 E 820955.044

SITE ANALYSIS

TOTAL AREA OF SITE = 30.15 AC.
PRESENT ZONING = NEW TOWN
PROPOSED USE = PATHWAY SYSTEM
TOTAL LENGTH OF PATHWAY = 7,950 L.F.
AREA OF SUBMISSION = 10' X 7950' = 79,500 S.F. = 1.8 AC. ±



PLAN
SCALE: 1"=400'

APPROVED: DEPARTMENT OF PLANNING AND ZONING

[Signature] 1/22/98
Chief, Development Engineering Division

[Signature] 1/23/98
Chief, Division of Land Development

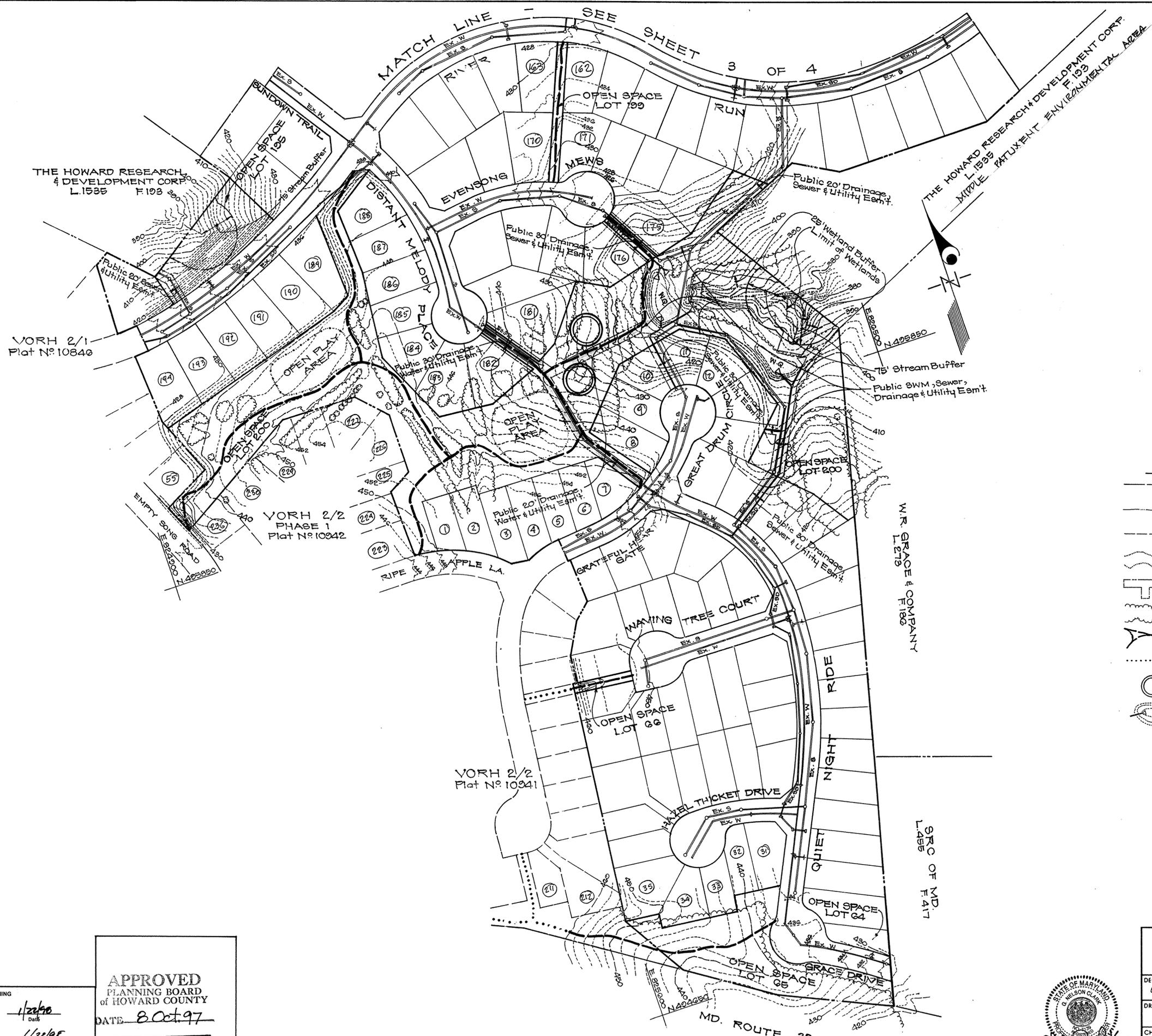
[Signature] 1/28/98
Director

APPROVED
PLANNING BOARD
of HOWARD COUNTY
DATE 8 Oct 97

SUBMISSION NAME VILLAGE OF RIVER HILL		SECTION/AREA 2/6 PHASE 1, 2 & 3		LOTS/PARCELS 70	
PLAT NO. 12394-5	BLOCK NO. 12415-9	ZONE N.T.	TAX MAP NO. 35	ELECTION DIST. 5TH	CENSUS TRACT 6055
WATER CODE			SEWER CODE		

CLARK • FINEFROCK & SACKETT, INC. ENGINEERS • PLANNERS • SURVEYORS 7135 MINSTREL WAY • COLUMBIA, MD. 21045 • (410) 381-7500 - BALTO. • (301) 621-8100 - WASH.		
DESIGNED WHT	TITLE AND VICINITY PLAN POINTERS RUN NEIGHBORHOOD PATHWAYS VILLAGE OF RIVER HILL 2/6 PHASES 1, 2 & 3 OPEN SPACE LOTS 65, 66, 197-200, & 241 FIFTH (5th) ELECTION DISTRICT HOWARD COUNTY, MARYLAND	SCALE
DRAWN ZAH		DRAWING 1 of 4
CHECKED WHT		JOB NO.
DATE 9-26-97		FILE NO. 97-002-X
FOR: THE COLUMBIA ASSOCIATION, INC. 10321 WINCORN CIRCLE, SUITE 100 COLUMBIA, MARYLAND 21044		





- LEGEND**
- 75' Stream Buffer
 - Stream
 - 25' Wetland Buffer
 - Limit of Wetlands
 - Easement
 - Existing Tree Line
 - Proposed Pathway-Phase II
 - Pathway-Phase I (SDP 95-11)
 - Future Tot Lots (Not part of this submission)
 - Water Quality/Bio Retention Areas

APPROVED: DEPARTMENT OF PLANNING AND ZONING

John Damman 1/26/98
 Chief, Development Engineering Division Date

David Hamilton 1/29/98
 Chief, Division of Land Development SA Date

Joseph S. Roth 1/28/98
 Director Date

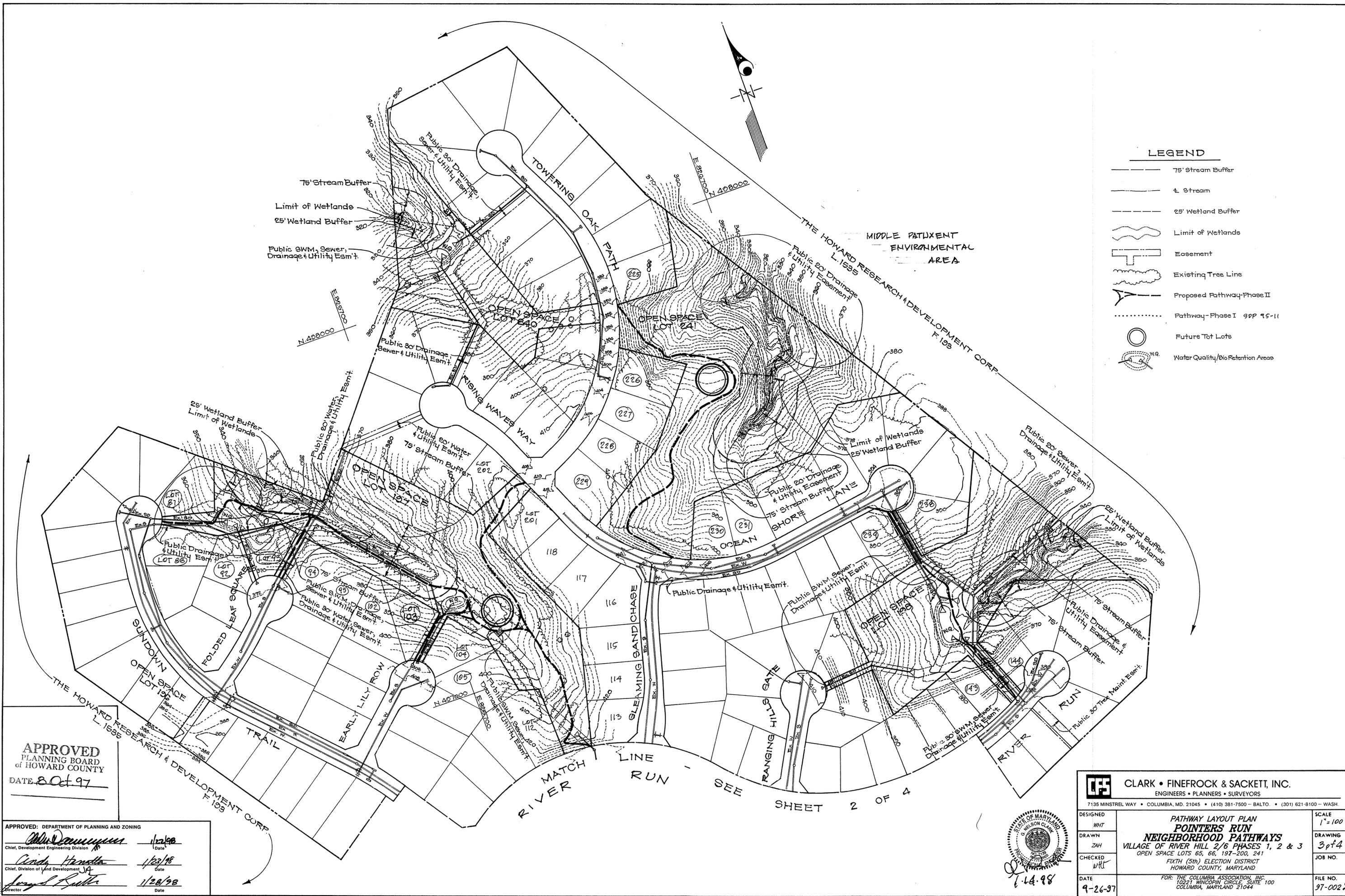
APPROVED
 PLANNING BOARD
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DATE: 8 Oct 97

CLARK • FINEFROCK & SACKETT, INC. ENGINEERS • PLANNERS • SURVEYORS 7135 MINSTREL WAY • COLUMBIA, MD. 21045 • (410) 381-7500 - BALTO. • (301) 621-8100 - WASH.		
DESIGNED WHT	PATHWAY LAYOUT PLAN POINTERS RUN NEIGHBORHOOD PATHWAYS VILLAGE OF RIVER HILL 2/6 PHASES 1, 2 & 3 OPEN SPACE LOTS 65, 66, 197-200, 241 FIFTH (5th) ELECTION DISTRICT HOWARD COUNTY, MARYLAND	SCALE 1" = 100'
DRAWN TP		DRAWING 2 of 4
CHECKED WHT		JOB NO.
DATE 9-26-97		FILE NO. 97-002.X

FOR: THE COLUMBIA ASSOCIATION, INC.
 10221 WINGOPHY CIRCLE, SUITE 100
 COLUMBIA, MARYLAND 21044

1.14.98



LEGEND

- 75' Stream Buffer
- Stream
- 25' Wetland Buffer
- Limit of Wetlands
- Easement
- Existing Tree Line
- Proposed Pathway-Phase II
- Pathway-Phase I 90P 95-11
- Future Tot Lots
- Water Quality/Bio-Retention Areas

APPROVED
PLANNING BOARD
of HOWARD COUNTY
DATE 8 Oct 97

APPROVED: DEPARTMENT OF PLANNING AND ZONING

John D. ... 1/22/98
Chief, Development Engineering Division

Cindy ... 1/23/98
Chief, Division of Land Development

Joseph ... 1/28/98
Director

CLARK • FINEROCK & SACKETT, INC.
ENGINEERS • PLANNERS • SURVEYORS
7135 MINSTREL WAY • COLUMBIA, MD. 21045 • (410) 381-7500 - BALTO. • (301) 621-8100 - WASH.

DESIGNED: WHI
DRAWN: ZAH
CHECKED: WHI
DATE: 9-26-97

**PATHWAY LAYOUT PLAN
POINTERS RUN
NEIGHBORHOOD PATHWAYS
VILLAGE OF RIVER HILL 2/6 PHASES 1, 2 & 3
OPEN SPACE LOTS 65, 66, 197-200, 241
FIFTH (5th) ELECTION DISTRICT
HOWARD COUNTY, MARYLAND**

SCALE: 1"=100'
DRAWING: 3 of 4
JOB NO.:
FILE NO.: 97-002 X

FOR: THE COLUMBIA ASSOCIATION, INC.
10221 WINDOPIN CIRCLE, SUITE 100
COLUMBIA, MARYLAND 21044

1.14.98

SHEET 2 OF 4

SEDIMENT AND EROSION CONTROL NOTES

1. A minimum of 48 hours notice must be given to the Howard County Department of Inspections, Licenses and Permits, Sediment Control Division prior to the start of any construction (1713-1855).
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 1984 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, and revisions thereto.
3. 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.
4. All sediment traps/basins shown must be fenced and warning signs posted around their perimeter in accordance with Vol. 1, Chapter 7, 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 1984 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for permanent seedings, soil, temporary seeding and mulching (Sec 6). 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:**

Total Area of Site:	30.15 AC
Area to be roofed or paved:	1.1 AC
Area to be vegetatively stabilized:	29.05 AC
Total Fill:	-
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.
9. 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 sediment 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.
11. Trenches for the construction of utilities is limited to three pipe lengths or that which shall 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, 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./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 (8 lbs./1000 sq.ft.)
- 2) Acceptable—Apply 2 tons per acre dolomitic 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 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 anchoring.

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 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 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 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 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 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.

21.0 STANDARDS AND SPECIFICATIONS

FOR TOPSOIL

Definition

Placement of topsoil over a prepared subsoil prior to establishment of permanent vegetation.

Purpose

To provide a suitable soil medium for vegetable growth. Soils of concern have low moisture content, low nutrient levels, low pH, materials toxic to plants, and/or unacceptable soil gradation.

Conditions Where Practice Applies

1. This practice is limited to areas having 2:1 or flatter slopes where:
 - a. The texture of the exposed subsoil/parent material is not adequate to produce vegetative growth.
 - b. The soil material is so shallow that the rooting zone is not deep enough to support plants or furnish continuing supplies of moisture and plant nutrients.
 - c. The original soil to be vegetated contains material toxic to plant growth.
 - d. The soil is so acidic that treatment with limestone is not feasible.

ii. For the purpose of these Standards and Specifications, areas having slopes steeper than 2:1 require special consideration and design for adequate stabilization. Areas having slopes steeper than 2:1 shall have the appropriate stabilization shown on the plans.

Construction and Material Specifications

i. Topsoil salvaged from the existing site may be used provided that it meets the standards as set forth in these specifications. Typically, the depth of topsoil to be salvaged for a given soil type can be found in the representative soil profile section in the Soil Survey published by USDA-SCS in cooperation with Maryland Agricultural Experimental Station.

ii. Topsoil Specifications - Soil to be used as topsoil must meet the following:

1. Topsoil shall be a loam, sandy loam, clay loam, silt loam, sandy clay loam, loamy sand. Other soils may be used if recommended by an agronomist or a soil scientist and approved by the appropriate approval authority. Regardless, topsoil shall not be a mixture of contrasting textured subsoils and shall contain less than 5% by volume of cinders, stones, slag, coarse fragments, gravel, sticks, roots, trash, or other materials larger than 1 and 1/2" in diameter.
2. Topsoil must be free of plants or plant parts such as Bermuda grass, quackgrass, Johnsongrass, nutgrass, poison ivy, thistle, or others as specified.
3. Where the subsoil is either highly acidic or composed of heavy clays, ground limestone shall be spread at the rate of 4-8 tons/acre (200-400 pounds per 1,000 square feet) prior to the placement of topsoil. Lime shall be distributed uniformly over designated areas and worked into the soil in conjunction with tillage operations as described in the following procedures.

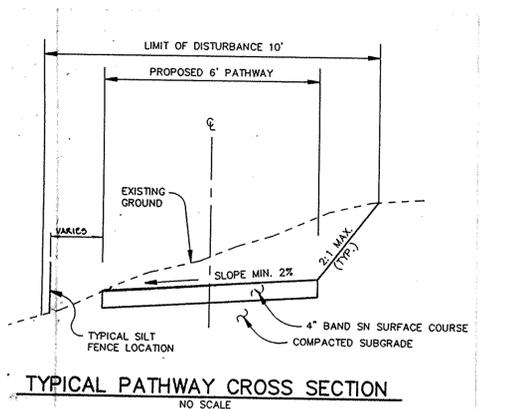
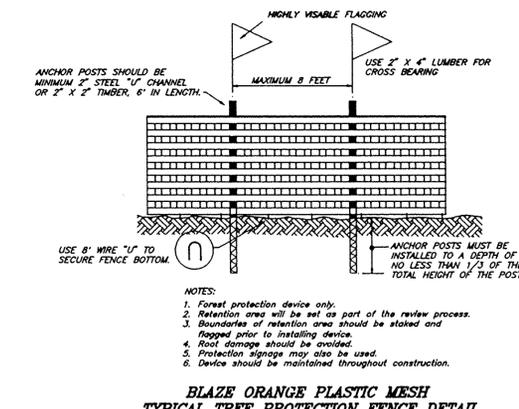
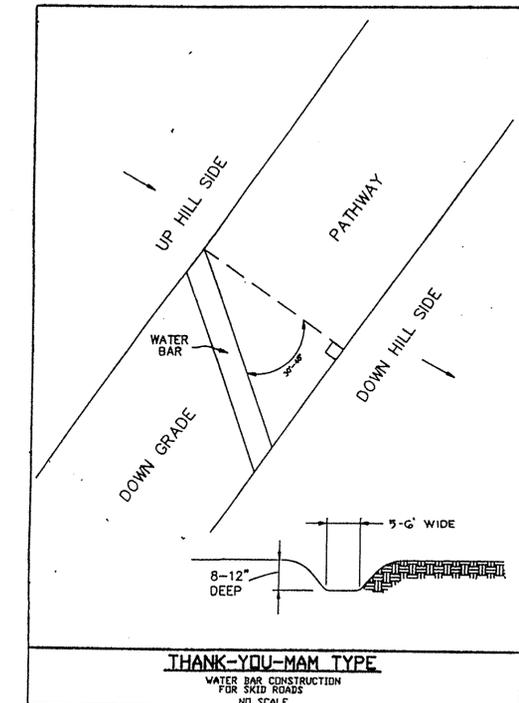
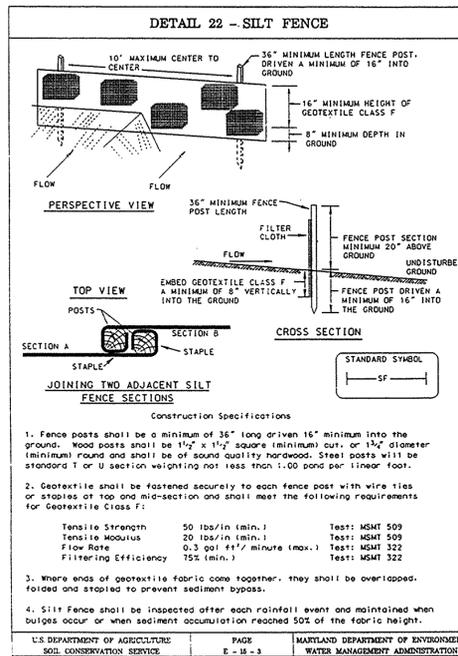
iii. Where the subsoil is either highly acidic or composed of heavy clays, ground limestone shall be spread at the rate of 4-8 tons/acre (200-400 pounds per 1,000 square feet) prior to the placement of topsoil. Lime shall be distributed uniformly over designated areas and worked into the soil in conjunction with tillage operations as described in the following procedures.

iv. For sites having disturbed areas under 5 acres:

1. Place topsoil (if required) and apply soil amendments as specified in 20.0 Vegetative Stabilization - Section 1 - Vegetative Stabilization Methods and Materials.

v. Topsoil Application

1. When topsoiling, maintain needed erosion and sediment control practices such as diversion, Grade Stabilization Structures, Earth Dikes, Slope Silt Fence and Sediment Traps and Basins.
2. Grades on the areas to be topsoiled, which have been previously established, shall be maintained, about 4" - 8" higher in elevation.
3. Topsoil shall be uniformly distributed in a 4" - 8" layer and lightly compacted to a minimum "looseness of 4". Spreading shall be performed in such a manner that sodding or seeding can proceed with a minimum of additional soil preparation and tillage. Any irregularities in the surface resulting from topsoiling or other operations shall be corrected in order to prevent the formation of depressions or water pockets.
4. Topsoil shall not be placed while the topsoil or subsoil is in a frozen or muddy condition, when the subsoil is excessively wet or in a condition that may otherwise be detrimental to proper grading and seedbed preparation.



- SEQUENCE OF CONSTRUCTION**
1. OBTAIN A GRADING PERMIT AND ALL OTHER NECESSARY PERMITS.
 2. INSTALL SILT FENCE ALONG THE PATHWAY SECTION TO BE CONSTRUCTED. ALSO TREE PROTECTION FENCE IF HIGHWAY. (1 Week)
 3. BEGIN CLEARING AND GRUBBING FOR PATHWAY CONSTRUCTION. ALL TREES 12 INCHES IN DIAMETER OR LARGER SHOULD BE PROTECTED AND UNDISTURBED. (3 Weeks)
 4. COMPACT SUBGRADE AND INSTALL PATHWAY. (3 Weeks)
 5. UPON THE APPROVAL OF THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR, REMOVE SEDIMENT CONTROLS AND STABILIZE IN ACCORDANCE WITH THE PERMANENT SEEDING NOTES. (2 Days)

- NOTES:**
1. ALL TREES 12 INCHES IN DIAMETER OR GREATER SHALL NOT BE DISTURBED. PROVIDE TREE PROTECTION FENCING IF NECESSARY.
 2. ALL FILL SHALL BE ROLLED TO A MINIMUM COMPACTION OF 95% OF THE DRY UNIT WEIGHT AS DETERMINED BY ASTM D-698.

APPROVED PLANNING BOARD OF HOWARD COUNTY

DATE: 8 Oct 97

APPROVED: DEPARTMENT OF PLANNING AND ZONING

Chris Dammicus 1/22/98
Chief Development Engineering Division

Andy Harshbarger 1/22/98
Chief, Division of Land Development

Joseph S. Suter 1/22/98
Director

Reviewed for: HOWARD S.C.D.
and meet Technical Requirements

Charles Simpson 1/20/98
Specialist Date

U.S. National Resource Conservation Service

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD CONSERVATION DISTRICT

John R. Roberts 1/20/98
Approved

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 of 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."

Paul A. Ellis 1-18-98
NAME DATE

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.

G. Nelson Clark 1-14-98
G. NELSON CLARK DATE



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

7135 MINSTREL WAY • COLUMBIA MD 21045 • (410) 381-7500 FAX: (410) 381-8100 WASH.

DESIGNED: <i>WHT</i>	SEDIMENT AND EROSION CONTROL DETAILS POINTERS RUN NEIGHBORHOOD PATHWAYS VILLAGE OF RIVER HILL 2/6 PHASES 1, 2 & 3 OPEN SPACE LOTS 65, 66, 193-200, 241 FIFTH (5th) ELECTION DISTRICT HOWARD COUNTY, MARYLAND FOR: THE COLUMBIA ASSOCIATION, INC. 10221 WINCOPIN CIRCLE, SUITE 100 COLUMBIA, MARYLAND 21044	SCALE
DRAWN: <i>ZAH</i>		DRAWING
CHECKED: <i>WHT</i>		JOB NO
DATE: 9-26-97		FILE NO
		97-002X

97P 98-14