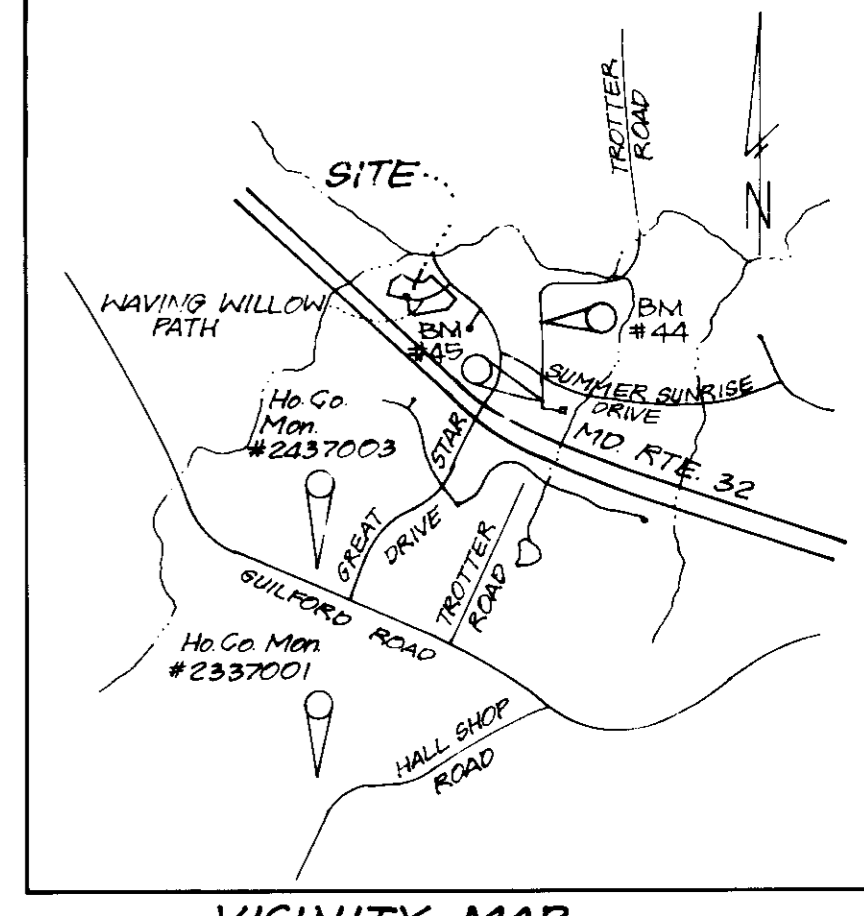


LOT NUMBER	STREET ADDRESS
1	6200 WAVING WILLOW PATH
2	6204
3	6208
4	6212
5	6216
6	6220
7	6224
8	6228
9	6232

LEGEND

CONTOUR INTERVAL
 EXISTING CONTOUR
 PROPOSED CONTOUR
 DIRECTION OF DRAINAGE
 WALK-OUT BASEMENT
 EXISTING SEWER MAIN
 EXISTING WATER MAIN
 EXISTING STORM DRAIN
 EXISTING TREES TO REMAIN



GENERAL NOTES:

- Subject property is zoned: N.T.S.F.L.D. per 10-18-93 Comprehensive Zoning Plan.
- The total area included in this submission is: 3.678 Acres or 160,224.76 sf.
- The total number of lots included in this submission is: 18
- Improvement to property: Single Family Detached
- The maximum lot coverage permitted is: 30%
- Department of Planning and Zoning reference file numbers are: F-95-48, S-91-03, P-94-05, WF-95-34.
- Utilities shown as existing are taken from approved Water and Sewer plans Contract # 34-3336-D, approved Road Construction plans F-95-48, and actual field survey.
- Any damage to county owned rights-of-way shall be corrected at the developer's expense.
- All roadways are public and existing.
- The existing topography was taken from Road Construction Plans F-95-48 prepared by George William Stephens, Jr. and Assoc., Inc. on May 17, 1995.
- The coordinates shown hereon are based upon the Howard County Geodetic Control which is based upon the Maryland State Plane Coordinate System - Howard County Monument Nos.: 2337001 and 2437003
- The contractor shall notify the Department of Public Works/Division of Construction Inspection at (410) 313-1880 at least twenty-four (24) hours 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.
- For driveway entrance details, refer to Ho. Co. Design Manual Volume IV details RQ03 & RQ05
- Stormwater Management is provided per: F-95-48
- In accordance with Final Development Plan Phase 209, Part V, bay windows or chimneys not more than 10 feet in width may project not more than 4 feet into any setbacks; porches and decks may project not more than 3 feet into the front or rear setbacks.
- Existing landscaping shown is taken from Road Construction Plans F-95-48 prepared by George William Stephens, Jr. and Assoc., Inc. on May 17, 1995.
- The SWM Facility proposed for this site is Class 'A' Hazard Facility. Water Quality is provided by shallow marsh pond.

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-95-48 and/or approved Water and Sewer Plans Contract #34-3336-D.

SHEET INDEX	
DESCRIPTION	SHEET No.
SITE DEVELOPMENT PLAN	1 of 3
SEDIMENT AND EROSION CONTROL PLAN	2 and 3 of 3

OWNER / DEVELOPER
 THE HOWARD RESEARCH AND DEVELOPMENT CORP.
 12225 LITTLE PATIENT PARKWAY
 COLUMBIA, MARYLAND 21044

SUBMISSION NAME	SECTION/AREA	LOTS/PARCELS
COLUMBIA VILLAGE OF RIVER HILL	2/5	1 - 18
PLAT NO.	BLOCK NO.	ZONE
11934-11936	1A	NTP/FLD
TAX MAP NO.	ELECTION DIST.	CENSUS TRACT
35	5TH	6055
WATER CODE	SEWER CODE	
1-10	6653000	

APPROVED - DEPARTMENT OF PLANNING AND ZONING

[Signature] 12/1/96
 Chief, Development Engineering Division
[Signature] 12/3/96
 Chief, Division of Land Development
[Signature] 12/10/96
 Director

NO	REVISIONS	Date
5	Rev. hse. 4 on lot 13 from A to Somerset	10-20-97
4	Rev. hse. 4 on lot 1, Add hse. type	9-20-97
3	Rev. hse. 4 on lot 12 to show As-Built Conditions	8-20-97
2	Rev. hse. 4 on lot 3	2-3-96
1		



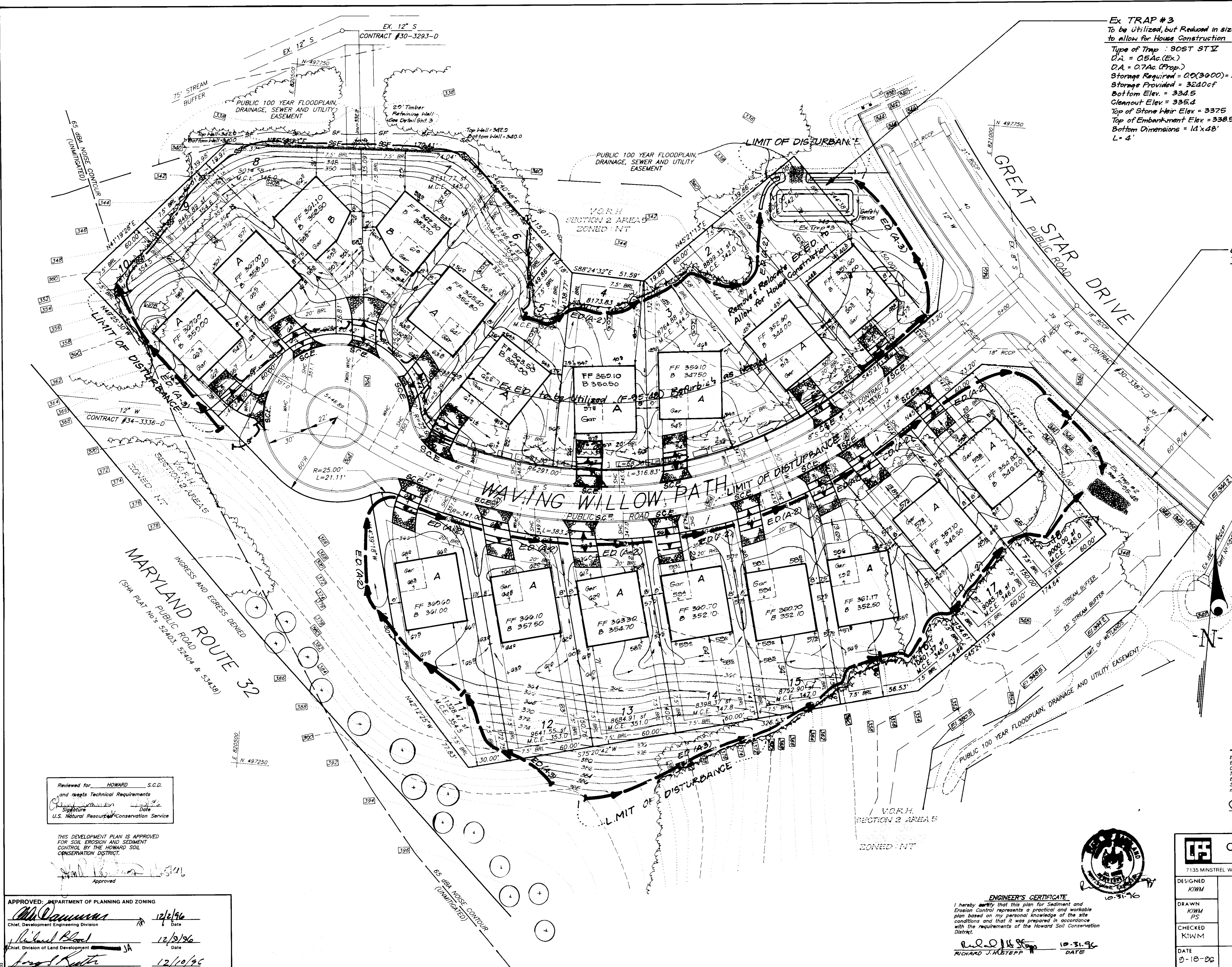
CLARK • FINEFROCK & SACKETT, INC.
 ENGINEERS • PLANNERS • SURVEYORS
 7135 MINSTREL WAY • COLUMBIA, MD. 21045 • (410) 381-7500 • BALTO. • (301) 621-8100 • WASH.

DESIGNED: JME
 DRAWN: KIWM, PS
 CHECKED: jme
 DATE: 9-18-96

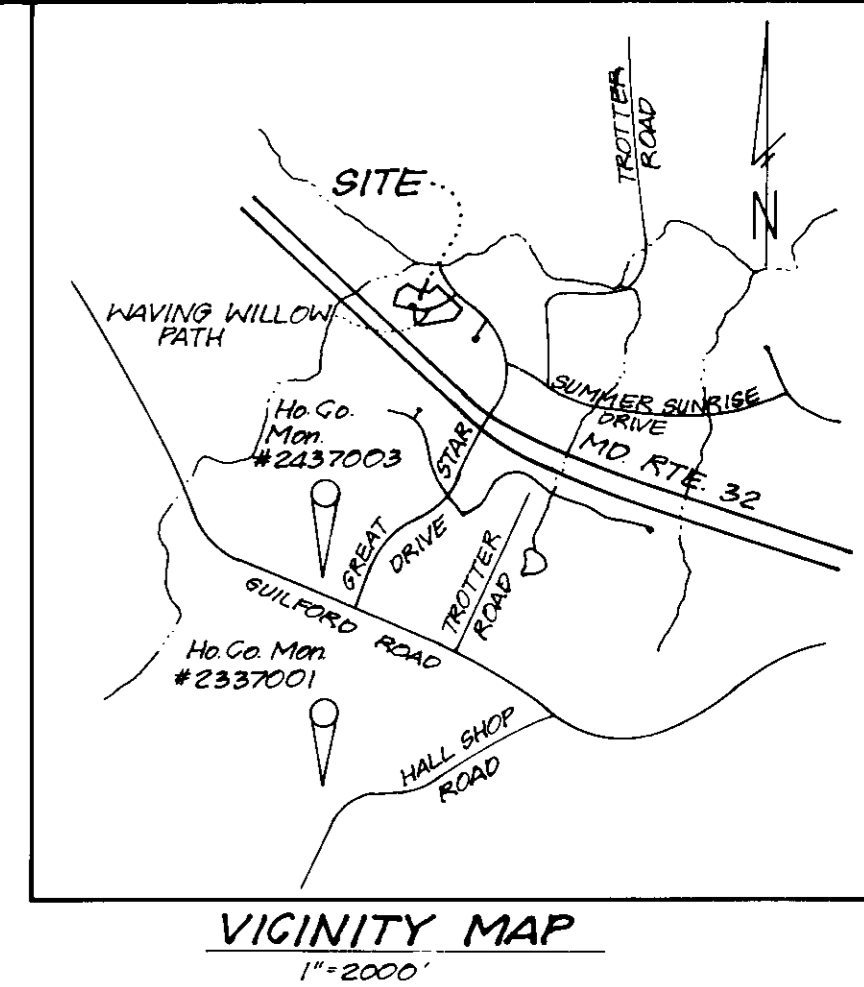
SITE DEVELOPMENT PLAN
 LOTS 1 - 18
COLUMBIA VILLAGE OF RIVER HILL
 SECTION 2, AREA 5
 FIFTH (5th) ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 FOR: THE RYLAND GROUP, Inc.
 1447 YORK ROAD, #705
 LUTHERVILLE, MARYLAND 21093

SCALE: 1"=30'
 DRAWING: 1 of 3
 JOB NO.: 96-143
 FILE NO.: 96-143X

SDP 07-32



Ex. TRAP #3
 To be Utilized, but Reduced in size to allow for House Construction
 Type of Trap : 80ST ST II
 D.A. = 0.5 Ac. (Ex.)
 D.A. = 0.7 Ac. (Prop.)
 Storage Required = 0.0(3600) = 3240cf
 Storage Provided = 3240cf
 Bottom Elev. = 334.5
 Cleanout Elev. = 335.4
 Top of Stone Weir Elev. = 337.5
 Top of Embankment Elev. = 338.5
 Bottom Dimensions = 14'x48'
 L = 4'



Ex. TRAP #2
 To be Utilized, Trap Data taken from F-05-48
 Type of Trap : 80ST ST II
 D.A. = 0.5 Ac. (Ex.)
 D.A. = 1.7 Ac. (Prop.)
 Storage Required = 1.7(3600) = 6120cf
 Storage Provided = 5200cf
 Bottom Dimensions = 10'x62'
 Side Slopes = 2:1
 Outlet Size = 12"
 Bottom Elev. = 340.0
 Weir Elev. = 345.0
 Cleanout Elev. = 342.5
 Embankment Elev. = 346.0
 NOTE: Cleanout after each rain.

- LEGEND**
- CONTOUR INTERVAL 2 FT.
 - EXISTING CONTOUR
 - PROPOSED CONTOUR
 - DIRECTION OF DRAINAGE
 - WALK OUT BASEMENT
 - EXISTING SEWER MAIN
 - EXISTING WATER MAIN
 - EXISTING STORM DRAIN
 - STABILIZED CONSTRUCTION ENTRANCE
 - SUPER SILT FENCE
 - SILT FENCE
 - EARTH DIKE
 - LIMIT OF DISTURBED AREA
 - TREE PROTECTION FENCE
 - EXISTING TREES TO REMAIN
 - EXISTING SILT FENCE
 - EXISTING EARTH DIKE

OWNER / DEVELOPER
 THE HOWARD RESEARCH AND DEVELOPMENT CORP.
 10275 LITTLE PATUMENT PARKWAY
 COLUMBIA, MARYLAND 21044

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: 1/18/96

Reviewed for HOWARD S.C.D. and meets Technical Requirements
 Signature: [Signature] Date: [Date]
 U.S. Natural Resources Conservation Service

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
 Approved: [Signature] 1/11/96

APPROVED: DEPARTMENT OF PLANNING AND ZONING
 Chief, Development Engineering Division: [Signature] 12/2/96
 Chief, Division of Land Development: [Signature] 12/9/96
 Director: [Signature] 12/10/96

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: 10-31-96
 RICHARD J. HUSTEPF



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

DESIGNED KIWM	SEDIMENT AND EROSION CONTROL PLAN LOTS 1 - 18 COLUMBIA VILLAGE OF RIVER HILL SECTION 2, AREA 5 FIFTH (5th) ELECTION DISTRICT HOWARD COUNTY, MARYLAND	SCALE 1"=30'
DRAWN KIWM PS		DRAWING 2 of 3
CHECKED KIWM	JOB NO. 96-143	FILE NO. 96-143
DATE 9-18-96	FOR: THE RYLAND GROUP, Inc. 142 YORK ROAD, #105 LUTHERVILLE, MARYLAND 21093	