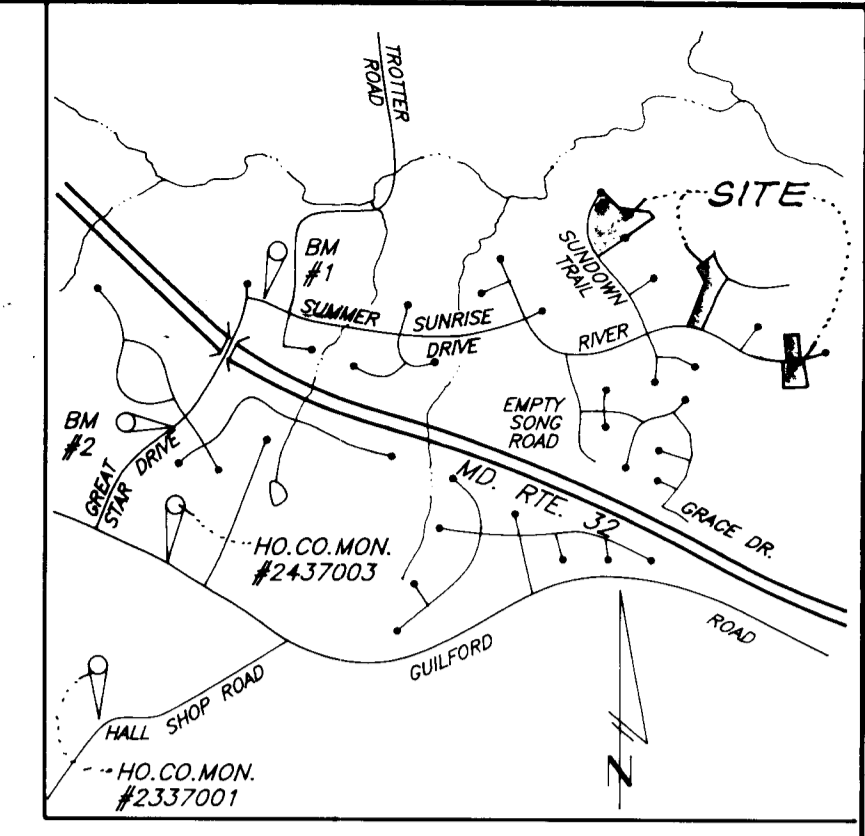


ADDRESS CHART		
LOT NUMBER	STREET ADDRESS	
88	G492	SUNDOWN TRAIL
89	G448	SUNDOWN TRAIL
90	G901	FOLDED LEAF SQUARE
91	G905	FOLDED LEAF SQUARE
92	G900	FOLDED LEAF SQUARE
93	G913	FOLDED LEAF SQUARE
113	G601	GLEAMING SAND CHASE
114	G605	GLEAMING SAND CHASE
115	G600	GLEAMING SAND CHASE
116	G613	GLEAMING SAND CHASE
117	G609	RISING WAVES WAY
143	G500	RIVER RUN
149	G514	RIVER RUN
150	G970	RIVER RUN



- GENERAL NOTES:**
- Subject property is zoned: N.T.S.F.M.D. per 10-18-93 Comprehensive Zoning Plan.
 - The total area included in this submission is: 4.78 Ac.
 - The total number of lots included in this submission is: 14.
 - Improvement to property: Single Family Detached.
 - The maximum lot coverage permitted is: 30%.
 - Department of Planning and Zoning reference file numbers are: S-91-03, P-94-01, F-96-138.
 - Utilities shown as existing are taken from approved Water and Sewer plans Contract # 34-3561-D, approved Road Construction plans F-96-138, 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-96-138 prepared by Riemer, Muegge & Associates, Inc. in August 1996.
 - 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.: 2437001 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 R-6.03 and R-6.05.
 - Stormwater Management is provided per: F-96-138.
 - In accordance with FDP-Phase 209 Part VI, 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. Wrap around porch cannot intrude into any required side yard setbacks. Exterior Beam Awnings cannot intrude into any setbacks.
 - No clearing, grading or construction is permitted within Wetlands and Stream Buffers or Forest Conservation Easements.
 - SHC elevations shown are located at the property line.
 - This plan has been prepared in accordance with provision of Section 16-124 of the Howard County Code and the Landscape Manual. Financial surety for the required landscape trees in the amount of \$1,300 is part of the builders grading permit application. (See Schedule 'A' for required surety on lot-by-lot basis).
- * Quantity control is provided by the Maryland Rte. 92 stream crossings. Water Quality is provided by publicly owned Bio-retention areas to be maintained by Howard County w/ Columbia Association providing trash pick-up & mowing.

SHEET INDEX		
DESCRIPTION	SHEET No.	
SITE DEVELOPMENT PLAN	1 & 2 of 5	
SEDIMENT AND EROSION CONTROL PLAN	3, 4 & 5 of 5	

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-96-138 and/or approved Water and Sewer Plans Contract # 34-3561-D.

SCHEDULE 'A' PERIMETER LANDSCAPE EDGE		LOTS			TOTALS
Category	Adjacent to Roadways	80	113	110	
Landscape Type		B	B	B	B
Linear Feet of Road Frontage		170	52	41	303
Number of Plants Required					
Shade Trees 1/60		3	2	1	6
Evergreen Trees 1/40		4			4
Shrub 1/20					
Number of Plants Provided					
Shade Trees					*
Evergreen trees					*
COMMENTS * PLANTINGS WILL BE PROVIDED PER THE NEW TOWN ALTERNATIVE COMPLIANCE METHOD (SEE GENERAL NOTE NO. 12)					
SURETY AMOUNTS		\$700	\$300	\$200	\$1,300

OWNER / DEVELOPER
 The Howard Research & Development Corp.
 10275 Little Patuxent Parkway,
 Columbia, Maryland 21044

SUBDIVISION NAME					
FLAT NO.	BLOCK NO.	ZONE	TAX MAP NO.	ELECTION DIST.	CENSUS TRACT
VILLAGE OF RIVER HILL					
12445-12410	15	NT	35	5TH	G055

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

DESIGNED [Signature] **SITE DEVELOPMENT PLAN**
 LOTS 88-93, 113-117, 143 AND 149-150
COLUMBIA VILLAGE OF RIVER HILL
 SECTION 2 AREA 6 PHASE 2
 FIFTH (5th) ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

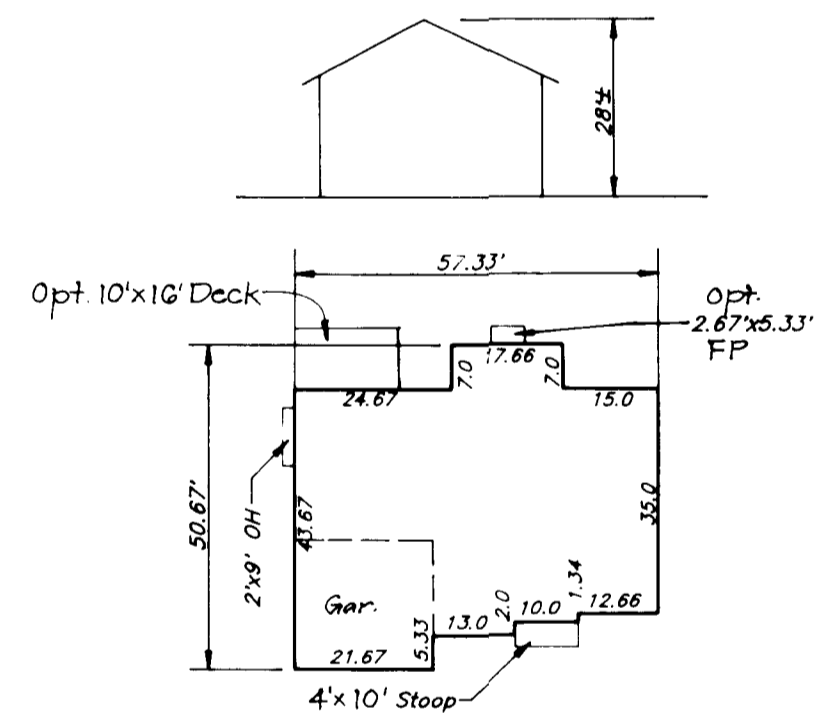
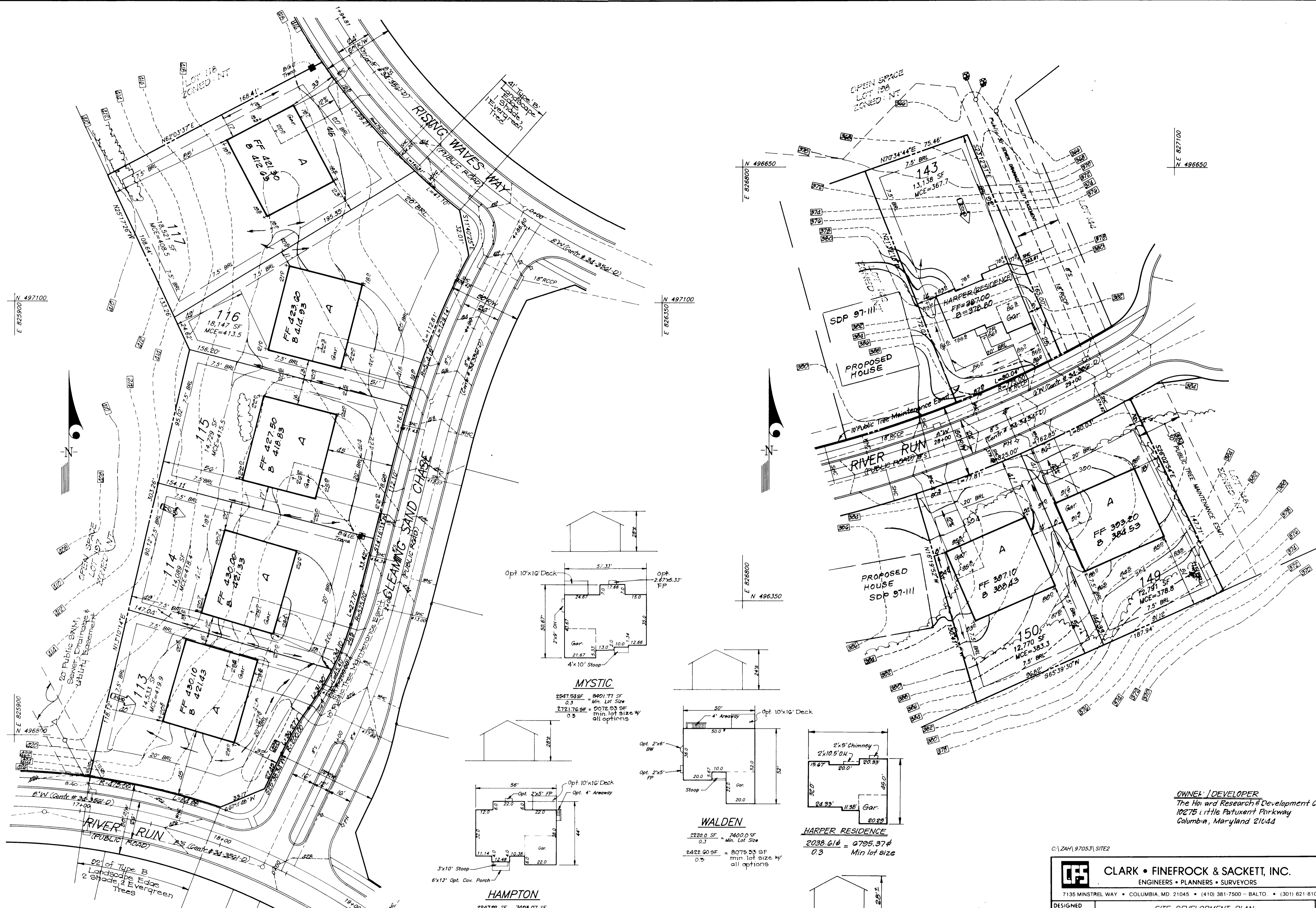
DRAWN ZAH **SCALE** 1"=30'
CHECKED [Signature] **DRAWING** 1 OF 5
DATE 4-9-97 **JOB NO** 97-053
FOR: NANTUCKET ISLAND HOMES
 8835-P COLUMBIA 100 PARKWAY
 COLUMBIA, MARYLAND 21045 **FILE NO.** 97-053-X

APPROVED: DEPARTMENT OF PLANNING AND ZONING

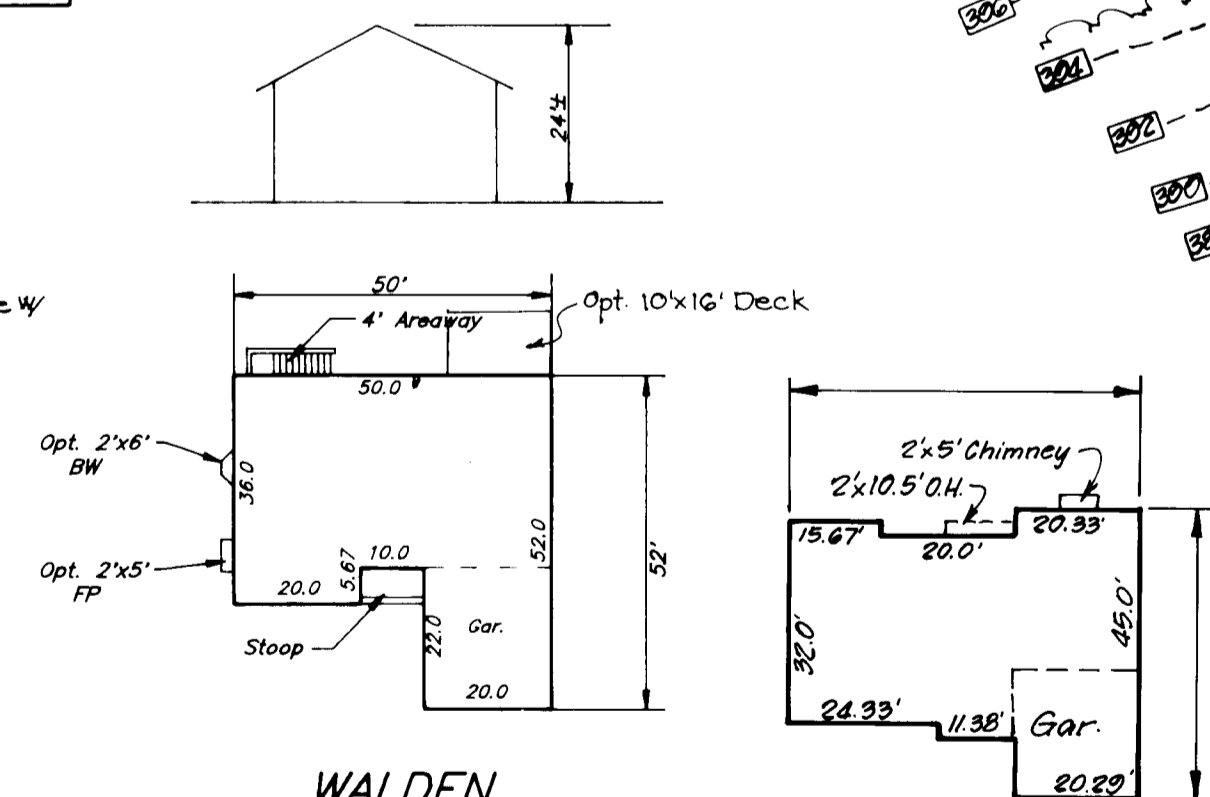
[Signature] 7/6/97
 Chief, Development Engineering Division Date

[Signature] 7/6/97
 Director Date

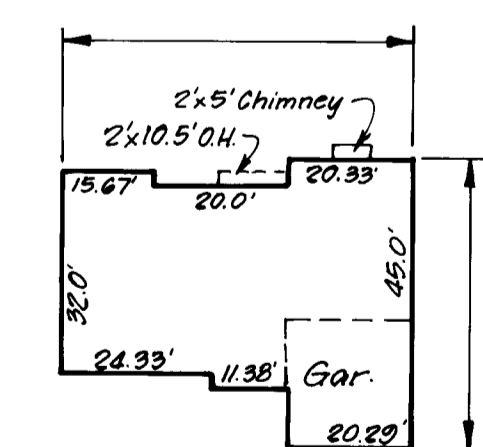
- Add Breslow hse. typical, Rev. hse. & grad. lot 90 1-27-98
 - Rev. hse. & grad. lot 93 7-18-97
 - Rev. hse. & grad. lot 91 7-18-97
- REVISION**



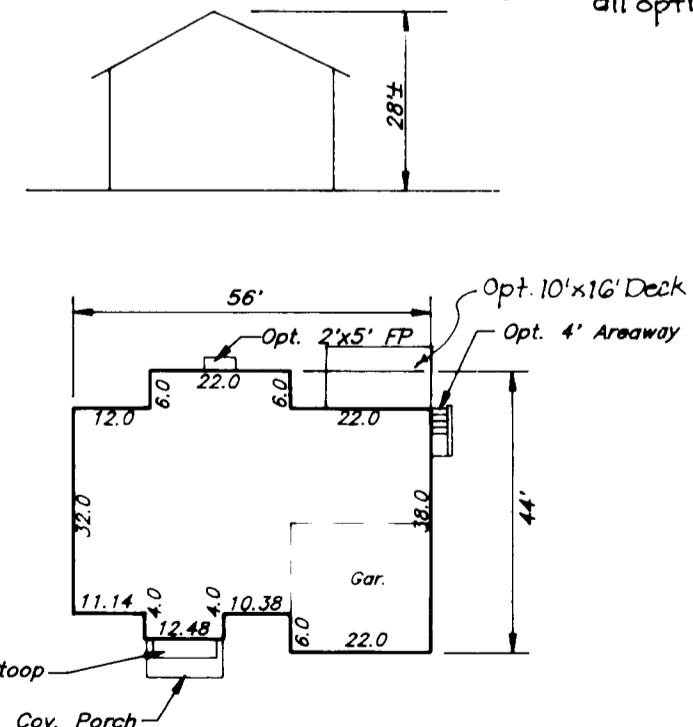
MYSTIC
 2547.93 SF = 9401.77 SF
 0.3 Min. Lot Size
 2121.76 SF = 2072.93 SF
 0.3 Min. lot size w/
 all options



WALDEN
 2220.0 SF = 7400.0 SF
 0.3 Min. Lot Size
 2422.00 SF = 8075.53 SF
 0.3 min lot size w/
 all options



HARPER RESIDENCE
 2038.61 SF = 6795.37 SF
 0.3 Min lot size



HAMPTON
 2247.92 SF = 7498.07 SF
 0.3 Min. Lot Size
 2476.92 SF = 8253.07 SF
 0.3 min lot size w/
 all options

OWNER / DEVELOPER
 The Howard Research & Development Corp
 10275 Little Patuxent Parkway
 Columbia, Maryland 21044

APPROVED: DEPARTMENT OF PLANNING AND ZONING	
<i>[Signature]</i>	7/2/97
Chief, Development Engineering Division	Date
<i>[Signature]</i>	7/2/97
Chief, Division of Land Development and Research	Date
<i>[Signature]</i>	7/3/97
Director	Date

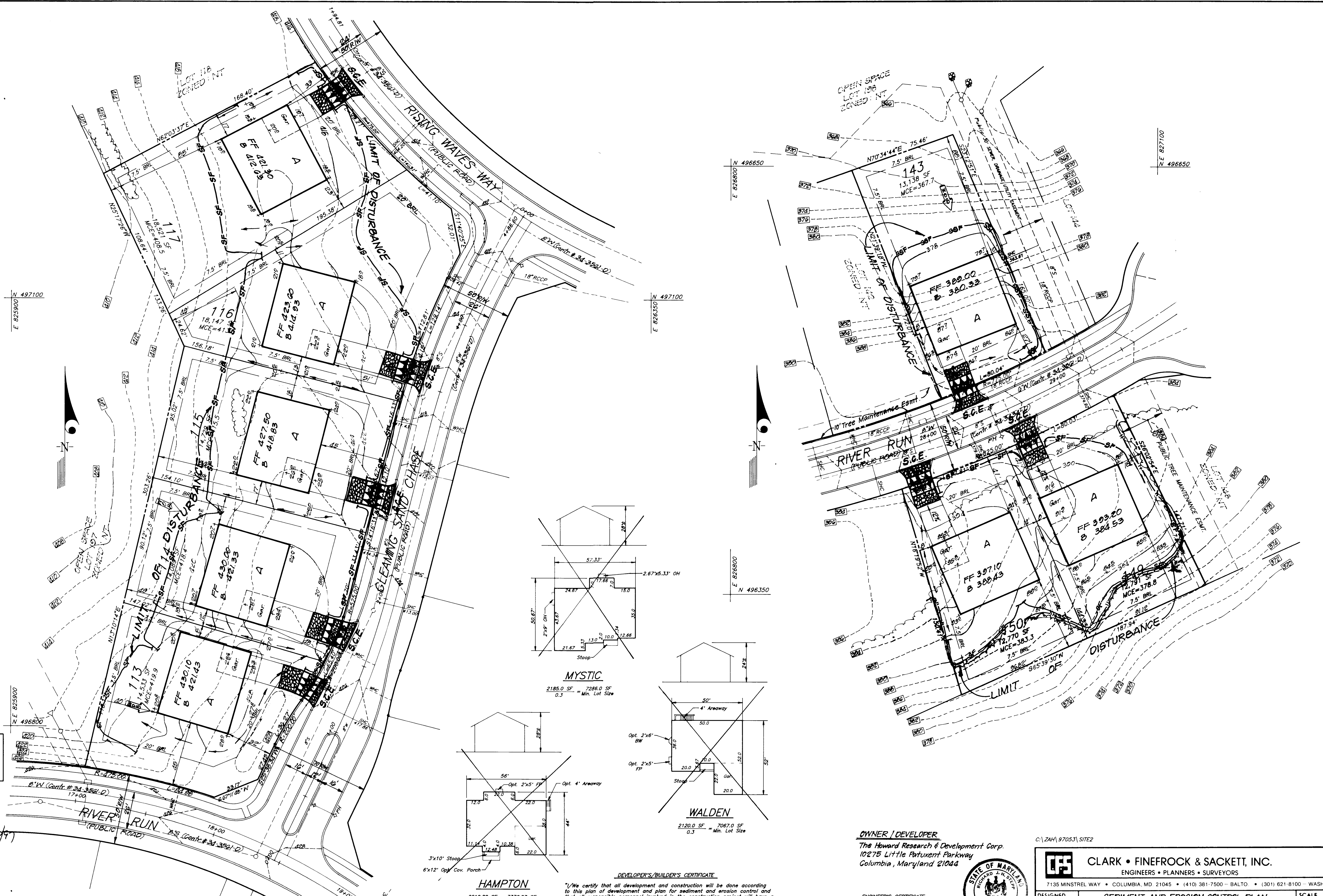
1	Revised Hse & Grd. lot 143	7-10-97
NE	REVISION	DATE

C:\ZAH\970531 SITE2

CLARK • FINEROCK & SACKETT, INC. ENGINEERS • PLANNERS • SURVEYORS 7135 MINSTREL WAY • COLUMBIA, MD 21045 • (410) 381-7500 - BALTO. • (301) 621-8100 - WASH		
DESIGNED	SITE DEVELOPMENT PLAN LOTS 88-93, 113-117, 143 AND 149-150 COLUMBIA VILLAGE OF RIVER HILL SECTION 2 AREA 6 PHASE 2 FIFTH (5th) ELECTION DISTRICT HOWARD COUNTY, MARYLAND	SCALE
DRAWN		1"=30'
CHECKED		DRAWING
DATE		2 OF 5
		JOB NO.
		97-053
		FILE NO.
		97-053-X

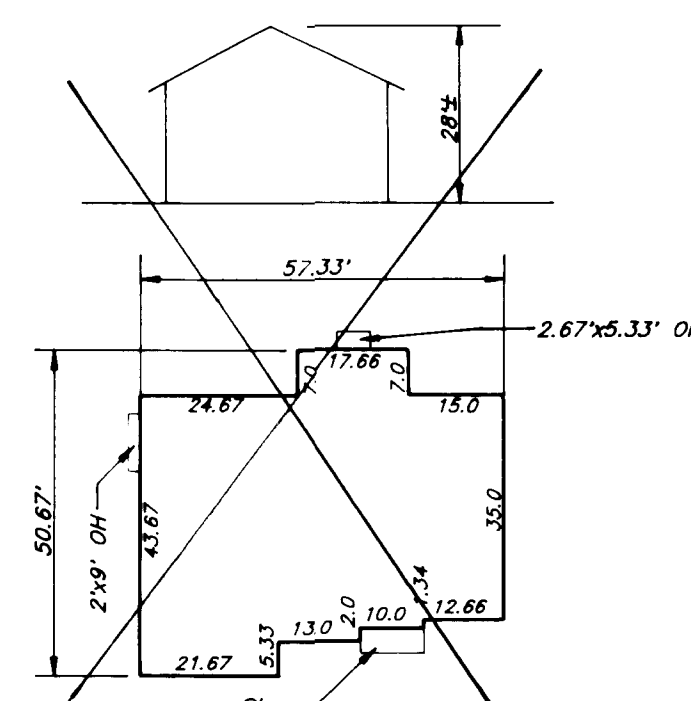
FOR: NAUTUCKET ISLAND HOMES
 8835-P COLUMBIA 100 PARKWAY
 COLUMBIA, MARYLAND 21045

[Signature] 6-22-97

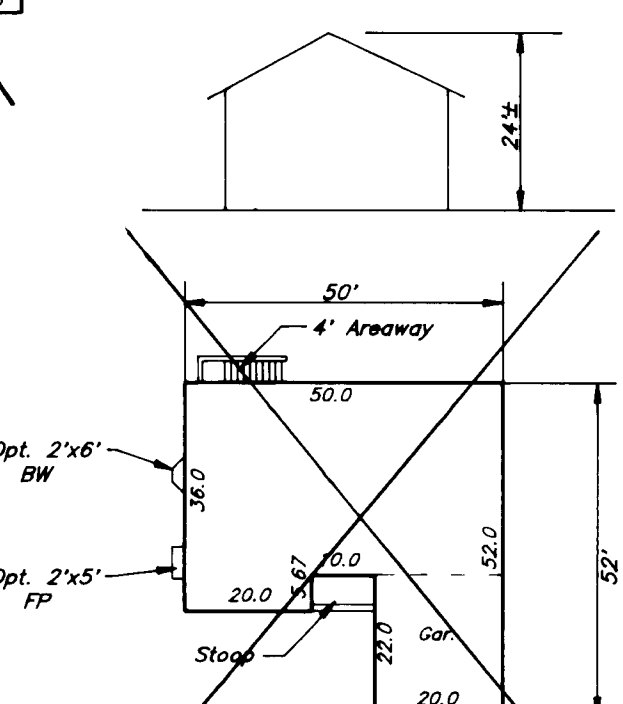


Reviewed for HOWARD S.C.D. and meets Technical Requirements
 Signature: *John B. Peltier* Date: 6/30/97
 U.S. Natural Resources Conservation Service

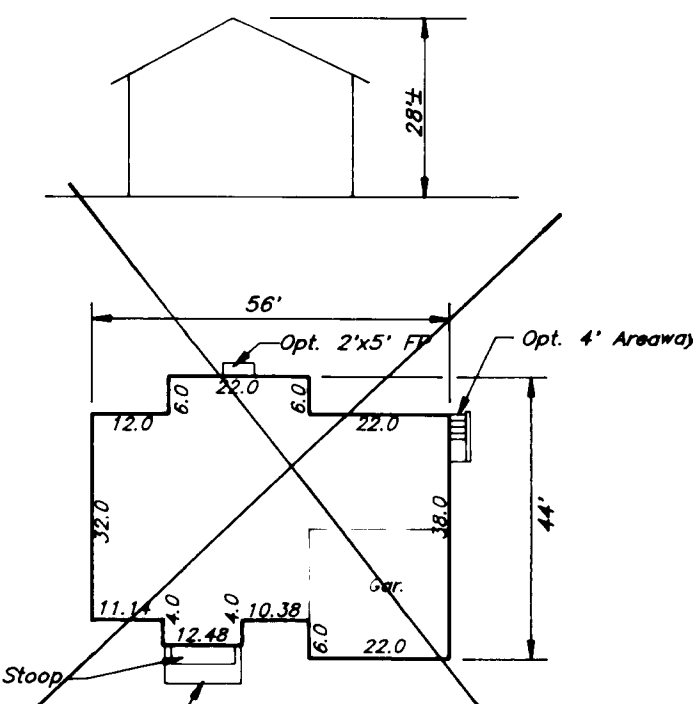
THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
 Approved: *John B. Peltier* 6/30/97



MYSTIC
 2185.0 SF 7286.0 SF
 0.3 Min. Lot Size



WALDEN
 2120.0 SF 7067.0 SF
 0.3 Min. Lot Size

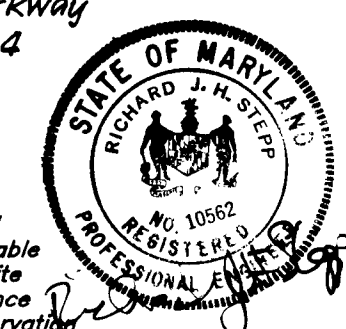


HAMPTON
 2212.88 SF 7376.27 SF
 0.3 Min. Lot Size

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: *John B. Peltier* Date: 4-8-97

OWNER / DEVELOPER
 The Howard Research & Development Corp.
 10275 Little Patuxent Parkway
 Columbia, Maryland 21044

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: *Richard G. Stepp* Date: 4-8-97

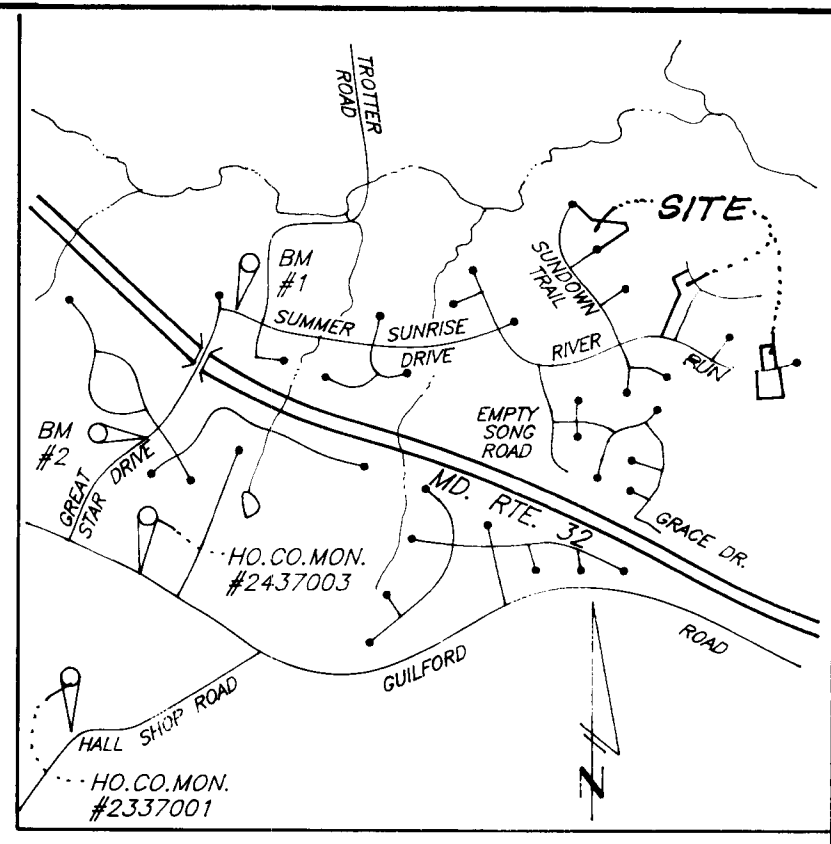
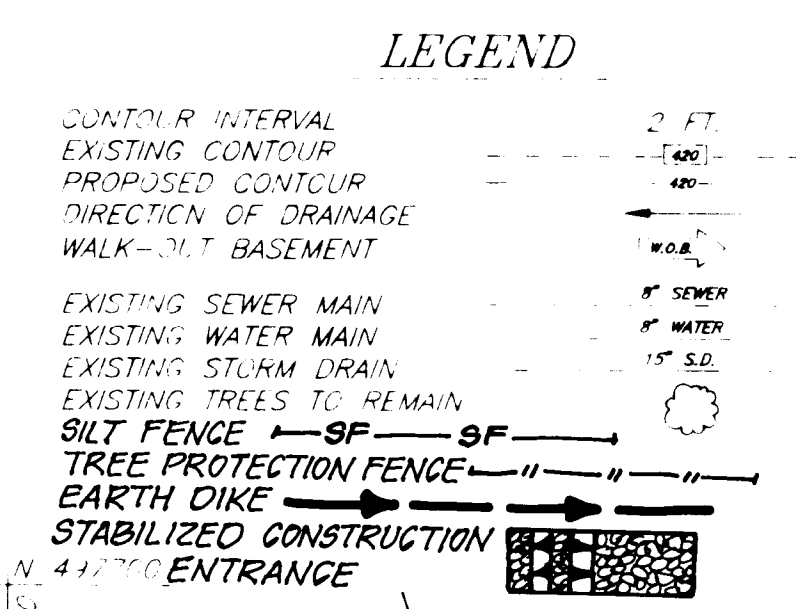
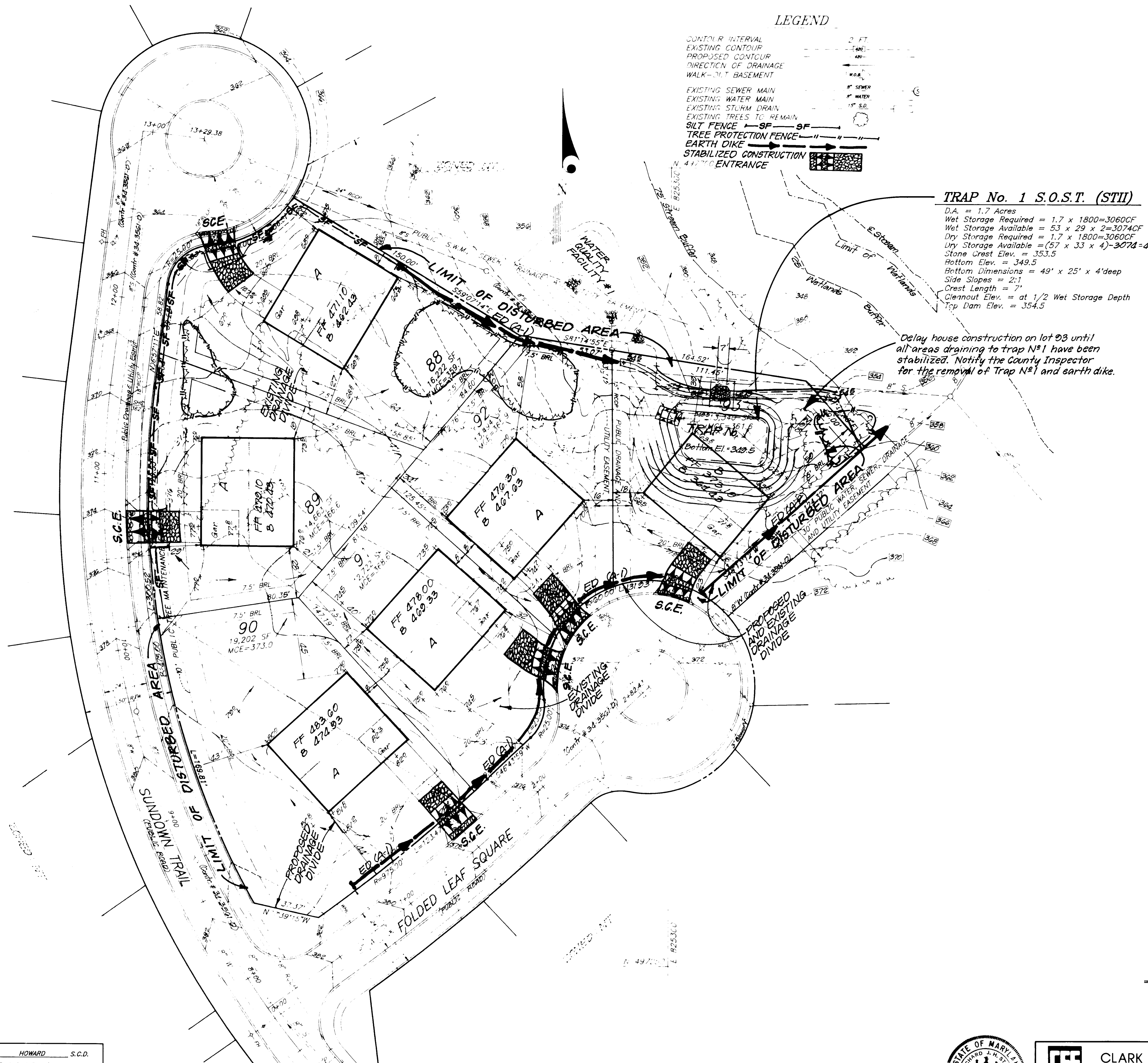


CLARK • FINEFROCK & SACKETT, INC.
 ENGINEERS • PLANNERS • SURVEYORS
 7135 MINSTREL WAY • COLUMBIA, MD 21045 • (410) 381-7500 - BALTO. • (301) 621-8100 - WASH.

DESIGNED DAB	SEDIMENT AND EROSION CONTROL PLAN LOTS 88-93, 113-117, 143 AND 149-150 COLUMBIA VILLAGE OF RIVER HILL SECTION 2 AREA 6 PHASE 2 FIFTH (5th) ELECTION DISTRICT HOWARD COUNTY, MARYLAND	SCALE 1"=30'
DRAWN ZAH		DRAWING 4 OF 5
CHECKED DAB		JOB NO. 97-053
DATE 4-9-97		FILE NO. 97-053-SE

APPROVED: DEPARTMENT OF PLANNING AND ZONING

<i>John B. Peltier</i>	7/2/97
Chief, Development Engineering Division	Date
<i>John B. Peltier</i>	7/2/97
Chief, Division of Land Development and Research	Date
<i>John B. Peltier</i>	7/3/97
Director	Date



TRAP No. 1 S.O.S.T. (STII)
 D.A. = 1.7 Acres
 Wet Storage Required = $1.7 \times 1800 = 3060CF$
 Wet Storage Available = $53 \times 29 \times 2 = 3074CF$
 Dry Storage Required = $1.7 \times 1800 = 3060CF$
 Dry Storage Available = $(57 \times 33 \times 4) = 3078 = 4450CF$
 Stone Crest Elev. = 353.5
 Bottom Elev. = 349.5
 Bottom Dimensions = $49' \times 25' \times 4'$ deep
 Side Slopes = 2:1
 Crest Length = 7'
 Cleanout Elev. = at 1/2 Wet Storage Depth
 Top Dam Elev. = 354.5

Delay house construction on lot 93 until all areas draining to trap N#1 have been stabilized. Notify the County Inspector for the removal of Trap N#1 and earth dike.

Reviewed for: HOWARD S.C.D.
 and meet Technical Requirements
Cheryl Summers 6/24/97
 Signature Date
 U.S. Natural Resources Conservation Service

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
John K. Robertson
 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 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."
John F. ... 4-8-97
 NAME DATE

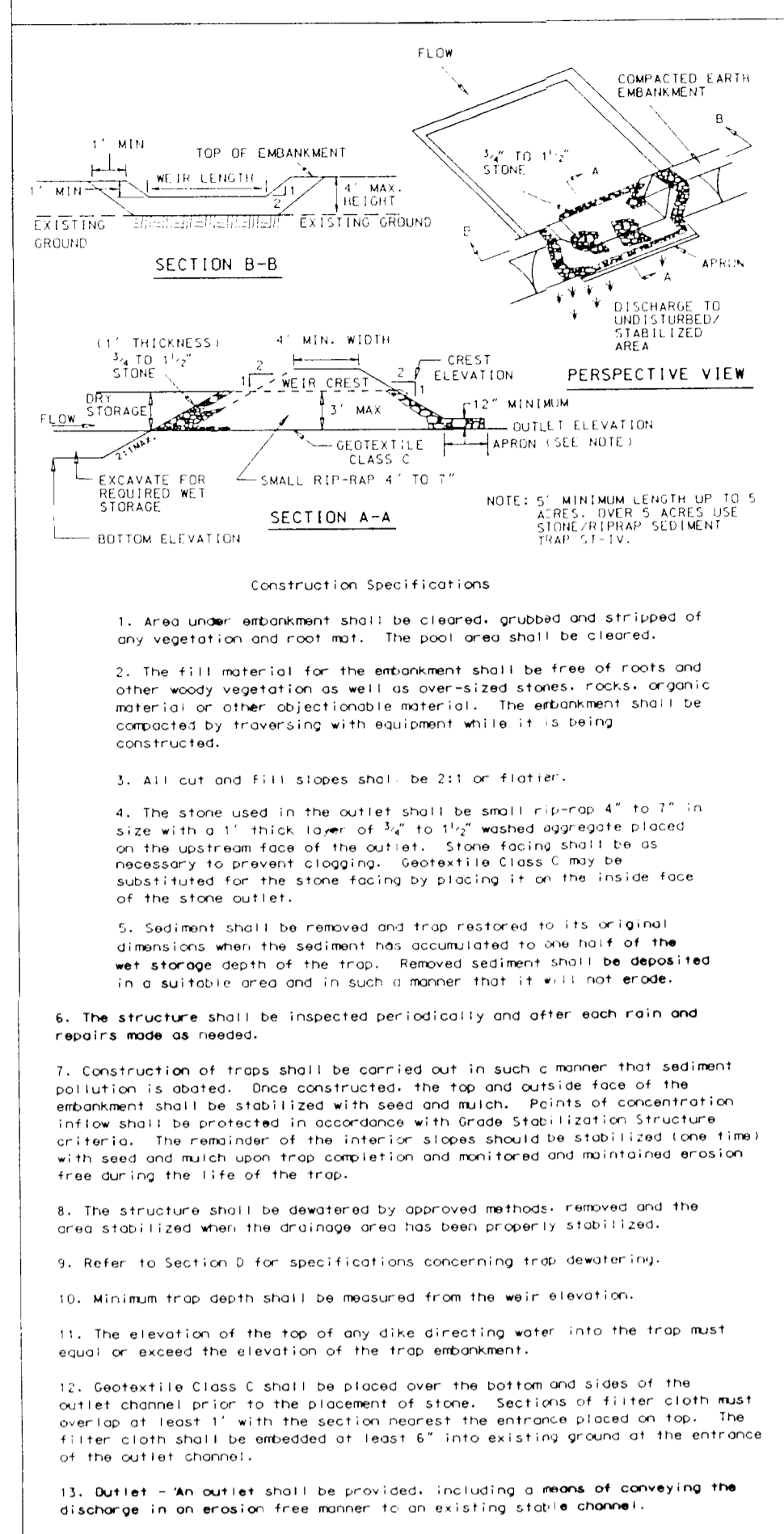
ENGINEER'S CERTIFICATE
 I hereby certify that this plan for Sediment and Erosion Control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.
Richard J. H. ... 4-8-97
 RICHARD J. H. ... DATE

APPROVED: DEPARTMENT OF PLANNING AND ZONING
... 7/2/97
 Chief, Development Engineering Division
L. Kent Shearman 7/2/97
 Chief, Division of Land Development and Research
Sergio ... 7/3/97
 Director



CLARK • FINEFROCK & SACKETT, INC. ENGINEERS • PLANNERS • SURVEYORS 7135 MINSTREL WAY • COLUMBIA, MD 21045 • (410) 381-7500 • BALTO. • (301) 621-8100 • WASH.		
DESIGNED DAB	SEDIMENT AND EROSION CONTROL PLAN LOTS 88-93, 113-117, 143 AND 149-150 COLUMBIA VILLAGE OF RIVER HILL SECTION 2 AREA 6 PHASE 2 FIFTH (5th) ELECTION DISTRICT HOWARD COUNTY, MARYLAND	SCALE 1"=30'
DRAWN ZAH		DRAWING 3 OF 5
CHECKED DAB		JOB NO 97-053
DATE 4-9-97	FOR: HANTUCKET ISLAND HOMES 8835-P COLUMBIA 100 PARKWAY COLUMBIA, MARYLAND 21045	FILE NO 97-053-8E

DETAIL 9 - STONE OUTLET SEDIMENT TRAP - ST II



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...

CONSTRUCTION SEQUENCE

Table with 2 columns: No. of Days and Construction Sequence items.

PERMANENT SEEDING NOTES

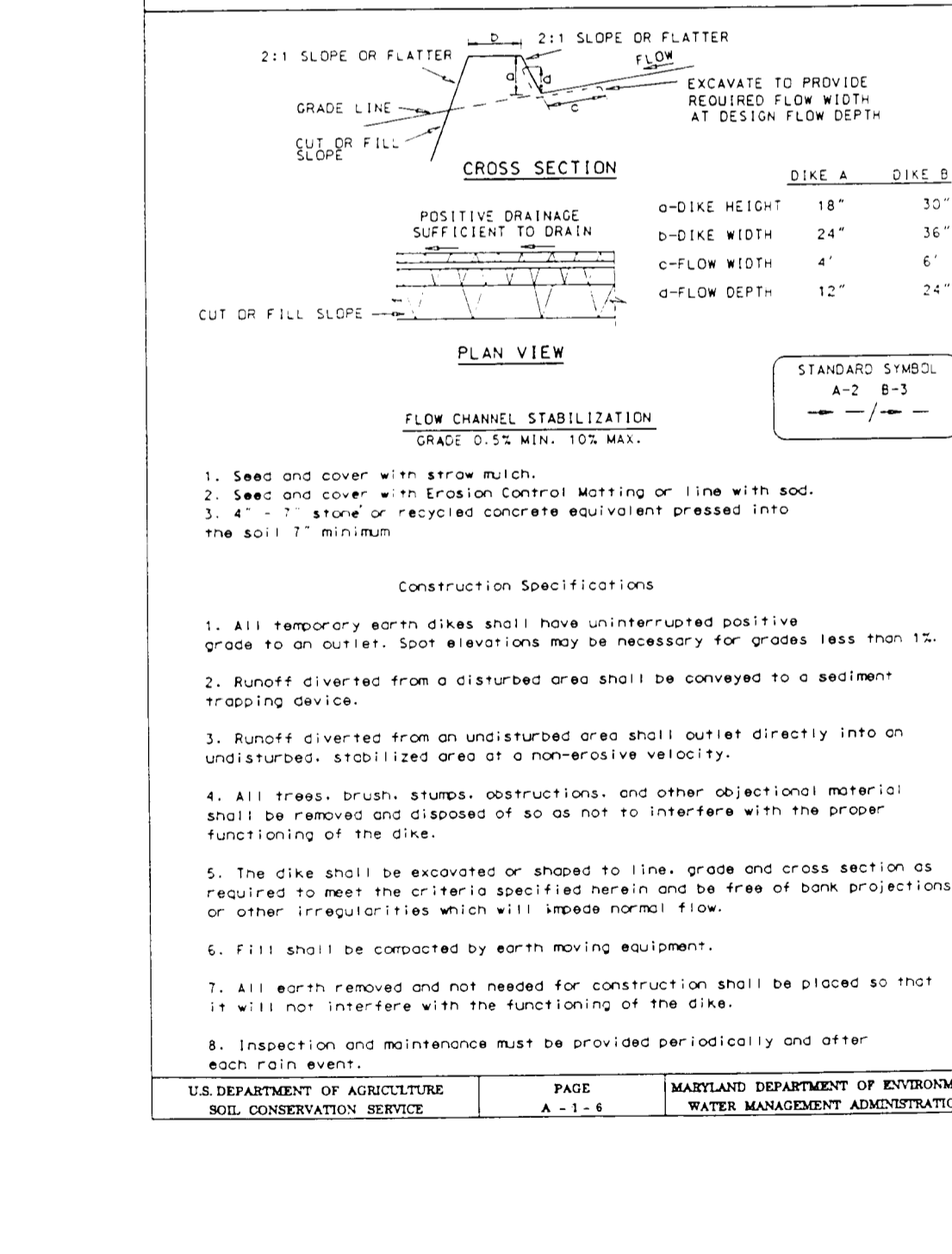
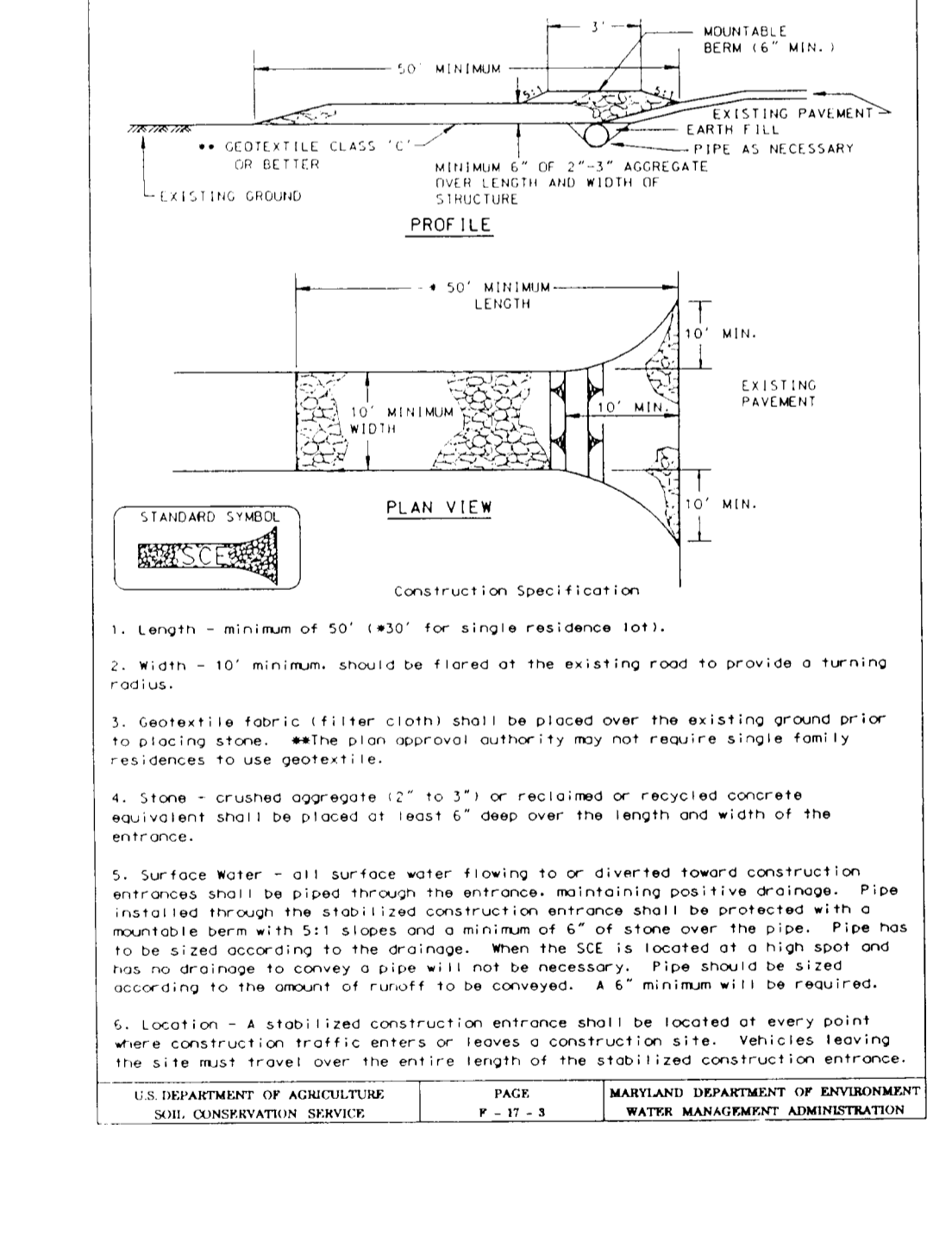
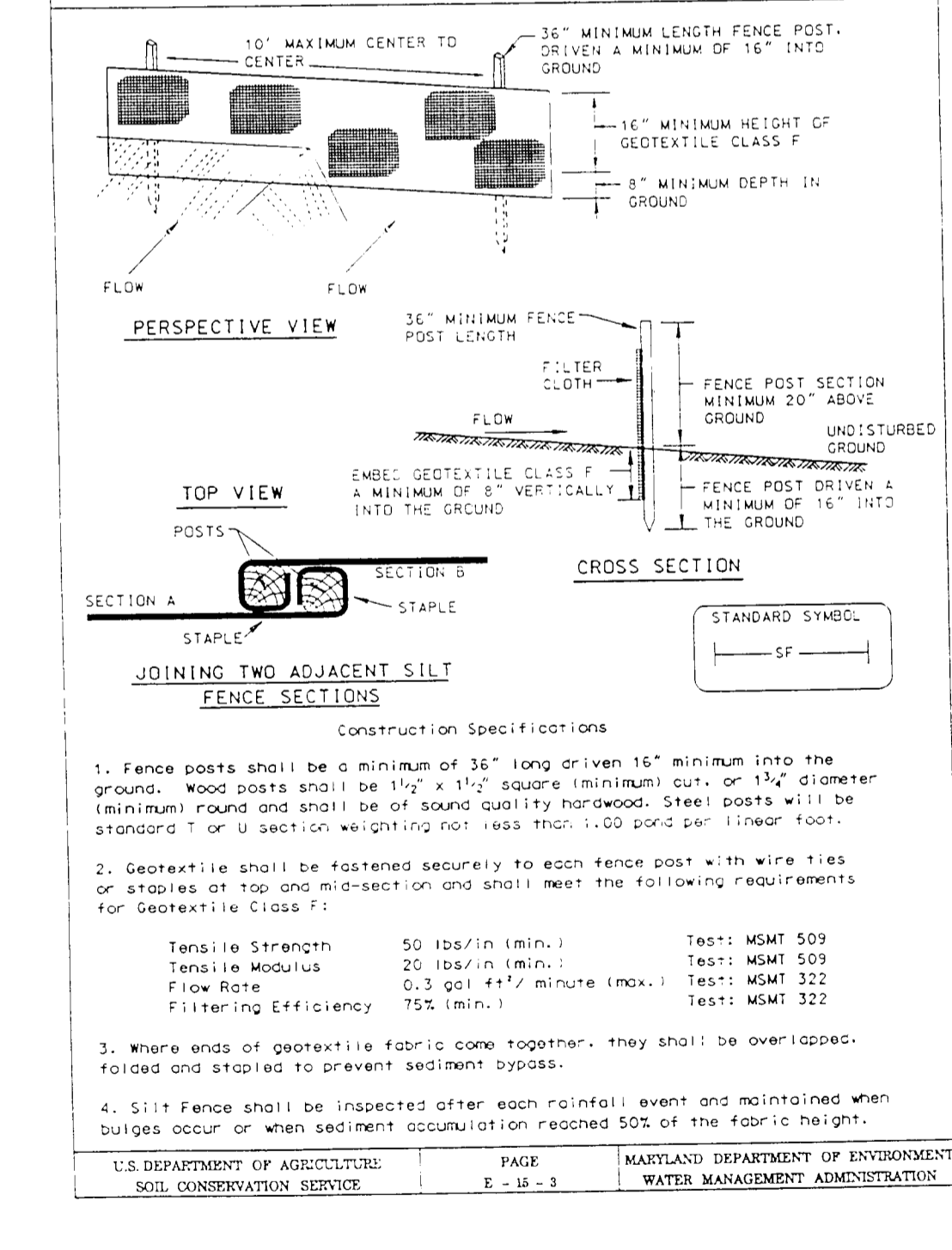
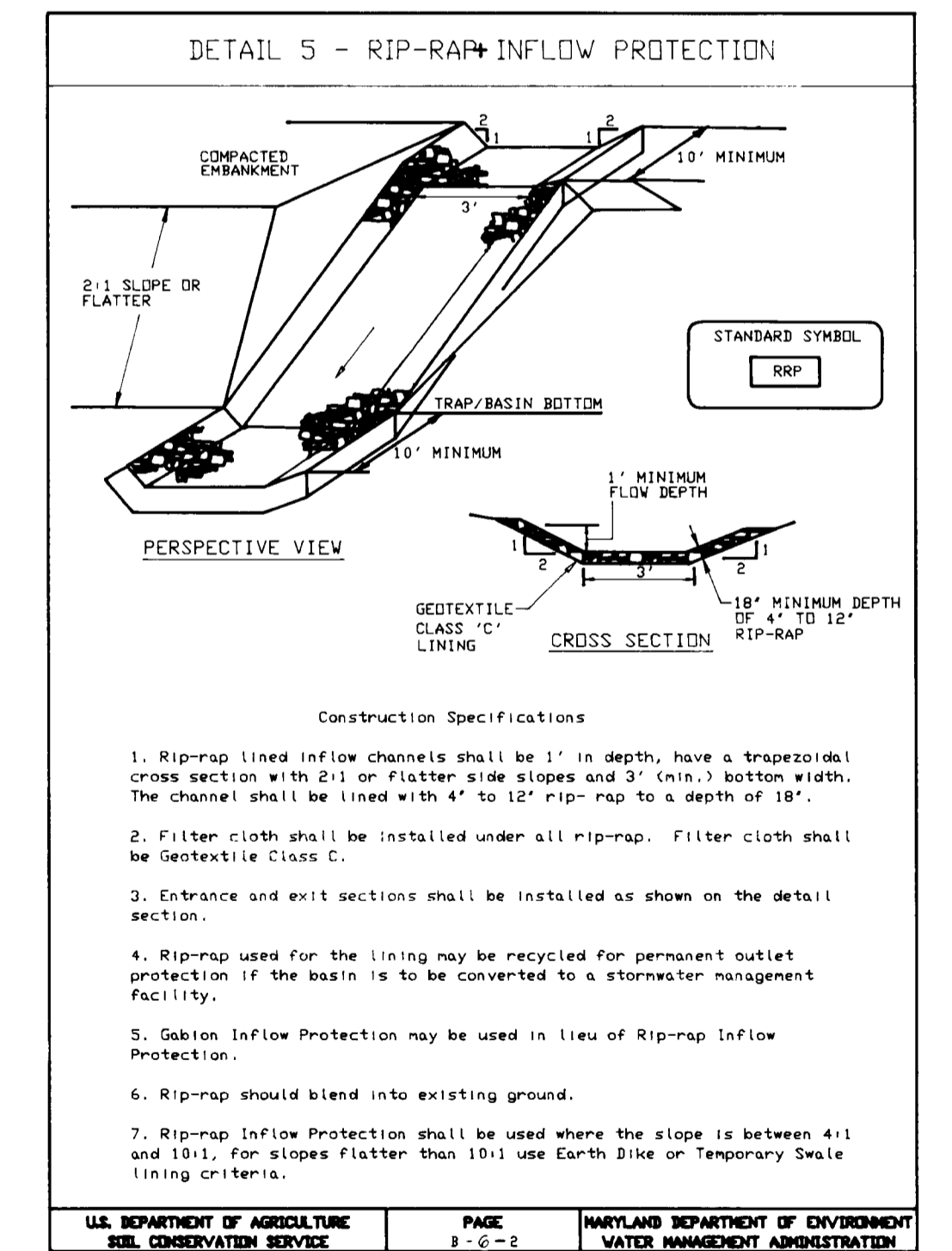
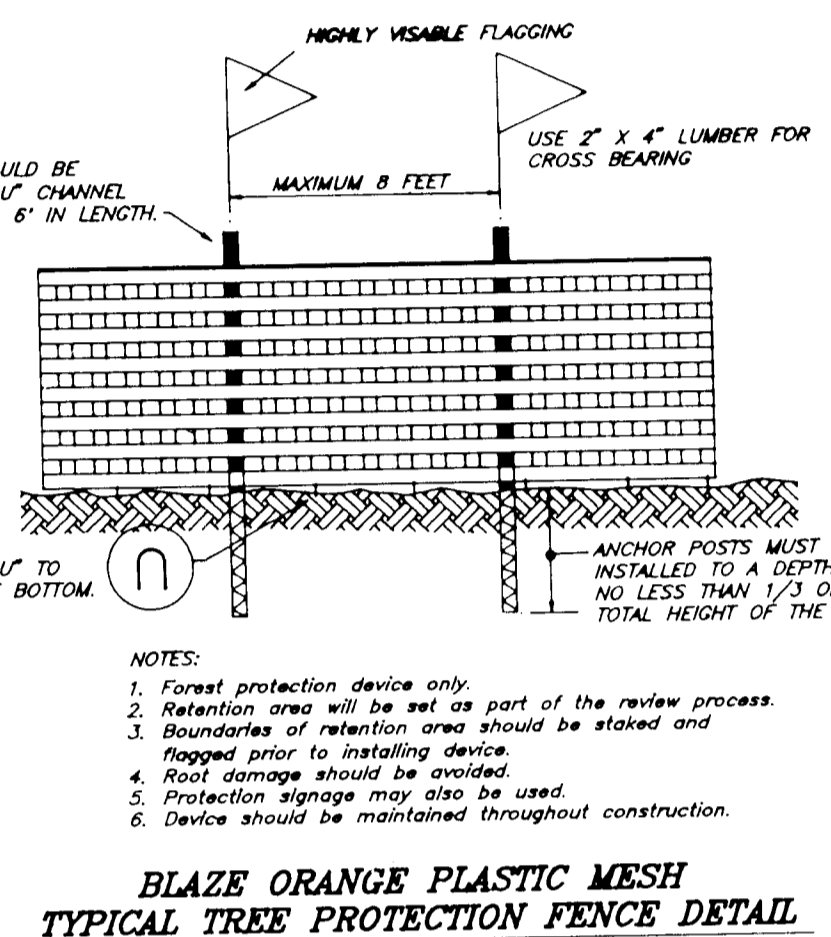
APPLY TO GRADED OR CLEARED AREAS NOT SUBJECT TO IMMEDIATE FURTHER DISTURBANCE WHERE A PERMANENT LONG-LIVED VEGETATIVE COVER IS NEEDED.

TEMPORARY SEEDING NOTES

SEEDBED PREPARATION: Loosen upper three inches of soil by raking, disking or other acceptable means before seeding...

21.0 STANDARDS AND SPECIFICATIONS FOR TOPSOIL

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



APPROVED: DEPARTMENT OF PLANNING AND ZONING. Includes signatures and dates for Chief Development Engineering Division and Director.

Reviewed for HOWARD S.C.D. and meets Technical Requirements. Includes signature and date for U.S. Natural Resources Conservation Service.

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...

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...

Table for CLARK • FINEFROCK & SACKETT, INC. containing project details like SEDIMENT AND EROSION CONTROL DETAILS, COLUMBIA VILLAGE OF RIVER HILL, and drawing information.

OWNER/DEVELOPER: The Howard Research & Development Corp. 10275 Little Patuxent Parkway Columbia, Maryland 21044