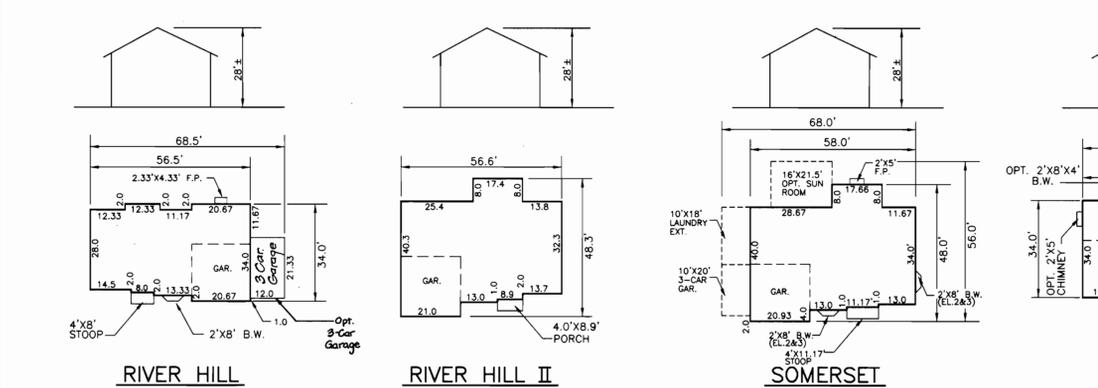
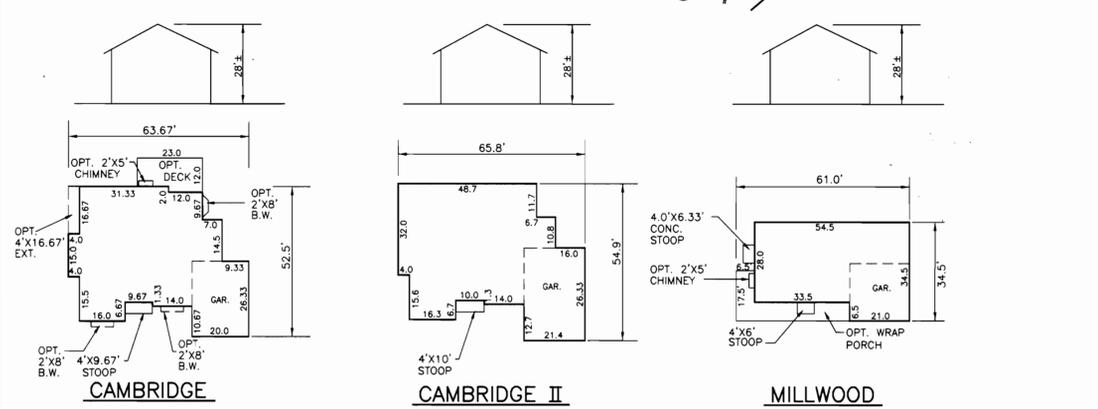
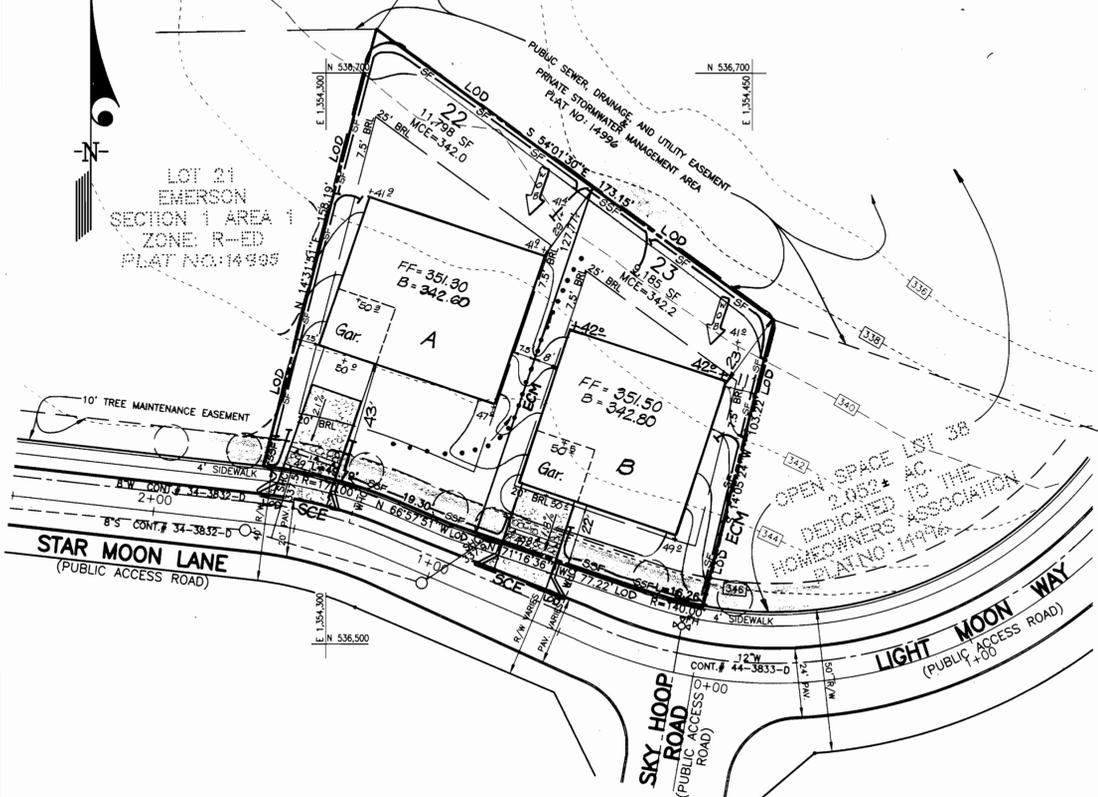


EMERSON 1/1
LOT 16
ZONED R-ED
PLAT NO. 14906



APPROVED: DEPARTMENT OF PLANNING & ZONING
 Chief, Development Engineering Division
 Chief, Division of Land Development
 Director

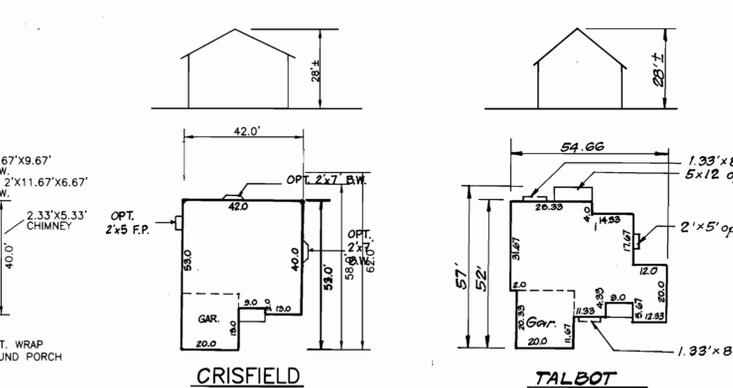
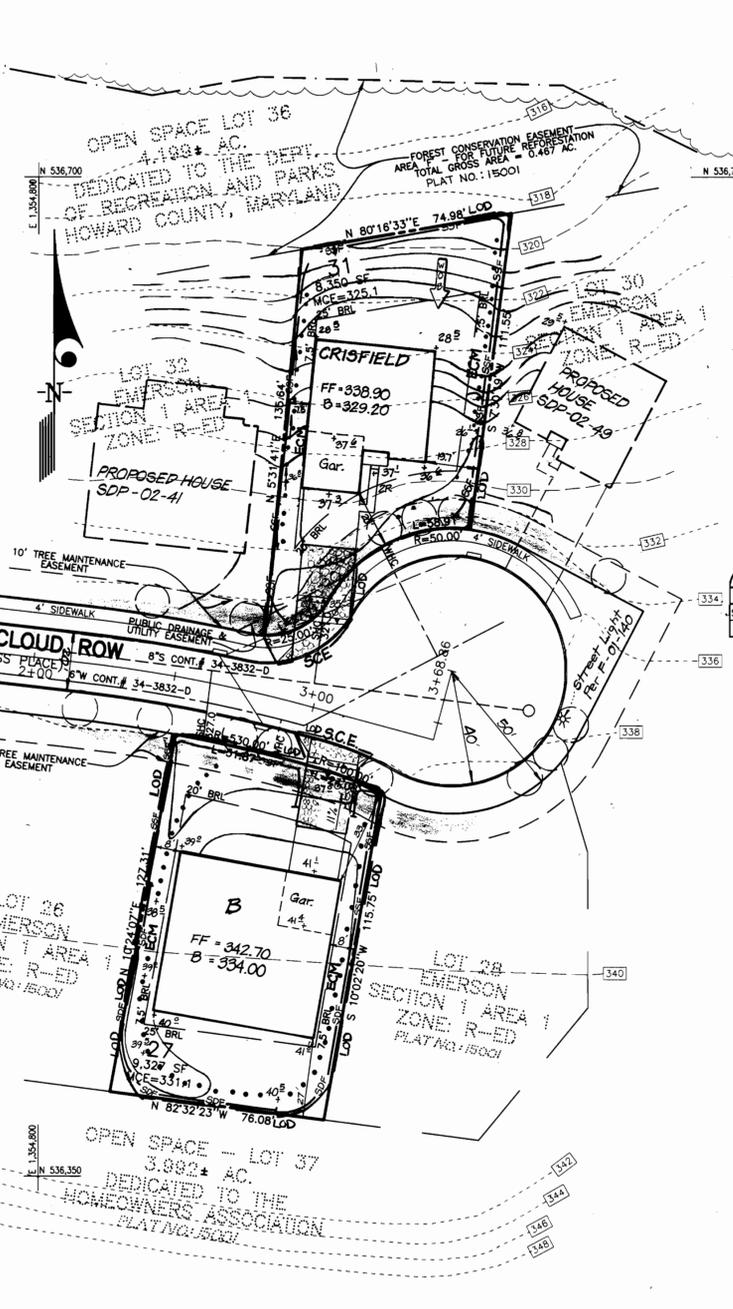
Reviewed for HOWARD S.C.D.
 and meet Technical Requirements
 Signature: *John M. ...* Date: 2/5/02
 S. Natural Resources Conservation Service

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 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 R. ...* Date: 2/5/02
 Signature: *Harry A. Bowie* Date: 11-5-01

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: *G. Nelson Clark* Date: 11-5-01
 G. NELSON CLARK



LEGEND

- CONTOUR INTERVAL: 2 FT.
- EXISTING CONTOUR: 348
- PROPOSED CONTOUR: 348
- DIRECTION OF DRAINAGE: [Symbol]
- WALK OUT BASEMENT: [Symbol]
- SPOT ELEVATION: [Symbol]
- STREET LIGHT: [Symbol]
- FIRE HYDRANT: [Symbol]
- STABILIZED CONSTRUCTION ENTRANCE: [Symbol]
- EROSION CONTROL MATTING: [Symbol]
- SILT FENCE: [Symbol]
- SUPER FENCE: [Symbol]
- SUPER DIVERSION FENCE: [Symbol]
- LIMIT OF DISTURBED AREA: [Symbol]
- TREE PROTECTION FENCE: [Symbol]
- EXISTING TREES TO REMAIN: [Symbol]

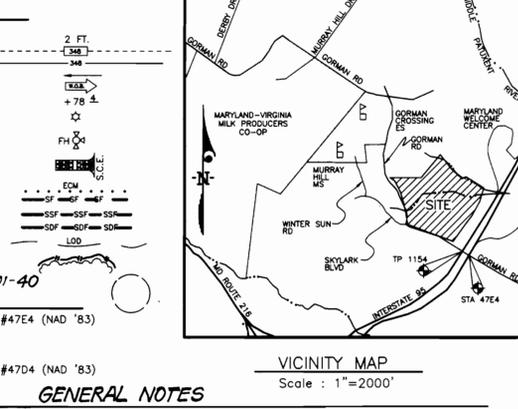
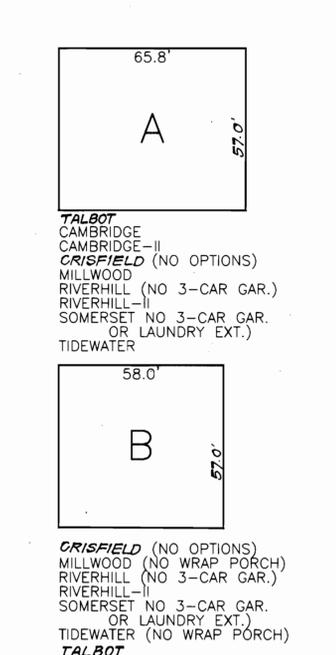
BENCHMARKS:
 Howard County Monument #47E4 (NAD '83)
 N 535,846.138
 E 1,355,431.196
 Howard County Monument #47D4 (NAD '83)
 N 535,405.459
 E 1,349,362.707

ADDRESS CHART

LOT NUMBER	STREET ADDRESS
22	9504 STAR MOON LANE
23	9500 STAR MOON LANE
27	9512 PURPLE CLOUD ROW
31	9518 PURPLE CLOUD ROW

SHEET INDEX

DESCRIPTION	SHEET NO.
SITE DEVELOPMENT, SEDIMENT & EROSION CONTROL PLANS	1 of 2
SEDIMENT & EROSION CONTROL DETAILS	2 of 2



- GENERAL NOTES
- Subject property is zoned: R-ED per 10-18-93 Comprehensive Zoning Plan dated June, 1999.
 - The total area included in this submission is: 0.888 Acres.
 - The total number of lots included in this submission is: 4
 - Improvement to property: Single Family Detached
 - Department of Planning and Zoning reference file numbers: F-01-140, P-01-16, S-00-12, WP-00-87, WP-01-39, WP-01-99
 - Utilities shown as existing are taken from approved Water and Sewer Plans Contract #34-2832-D & #33-3233-D and approved Road Construction Plans F-01-140.
 - 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 prepared by Patton Harris Rust & Assoc. ON 6-26-01.
 - The coordinates shown hereon are based upon the Howard County Geodetic Control which is based upon the NAD 83 Coordinate System - Howard County Monuments Numbers: 47E4 & 47D4
 - 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 & R.6.05.
 - In accordance with Section 128 of the Ho. Co. zoning regulations, bay windows, chimneys or exterior stairways not more than 16 feet in width may project not more than 4 feet into any setbacks, porches, or decks, open or enclosed may project not more than 10 feet into the front or rear yard setback.
 - Water quality and quantity treatment for the proposed roadways and lot is being provided by extended detention facility, this facility will be privately owned and maintained by the homeowners association.
 - No clearing, grading or construction is permitted within the required wetland, stream buffers or forest conservation areas except for the work authorized with the approved construction plans. All forest to remain within the areas shown as "Forest Conservation Easement" meet the minimum requirements of the forest conservation act.
 - No clearing, grading or construction is permitted within the forest Conservation Easement, however, forest management practices as defined in the Deed of Forest Conservation are allowed.
 - SHC Elevations shown are at the property line.
 - Stormwater Management for this development including future development of parcel A is provided in accordance with the 2000 MDE Stormwater Management Manual. Portions of Open Space lots 35, 36, & 39 are being used as natural area conservation credit areas. A central privately maintained stormwater wet pond is being used to provide the water quality and channel protection volumes for this development.
 - The Forest Conservation Easement Areas E, F, and G are future possible reforestation areas that can be utilized at a later date to satisfy requirements per F-01-140.
 - The wetlands delineation study for this project was prepared by Doti McCune & Walker, Inc.
 - In accordance with Section 128 of the Ho. Co. zoning regulations, bay windows, chimneys or exterior stairways not more than 16 feet in width may project not more than 4 feet into any setback, Porches or decks open or enclosed may project not more than 10 feet into the front or rear setback.

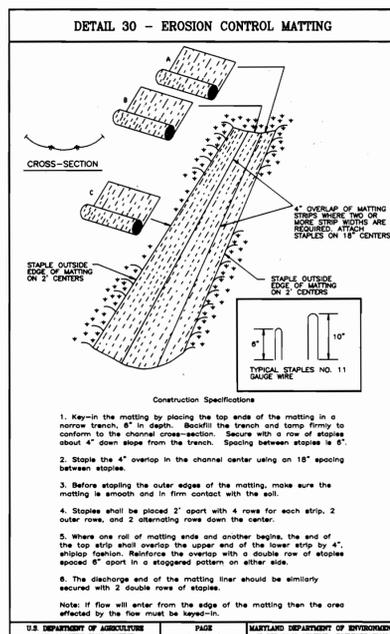
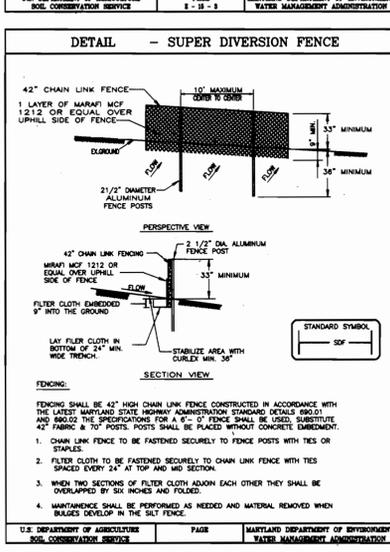
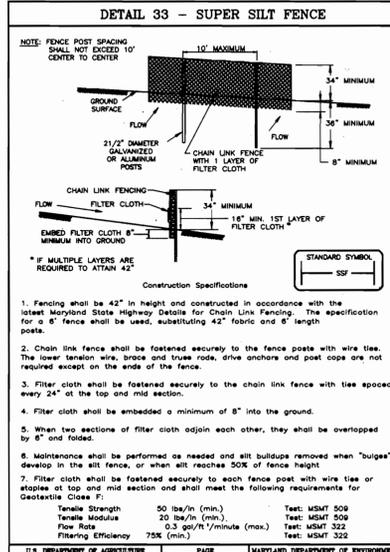
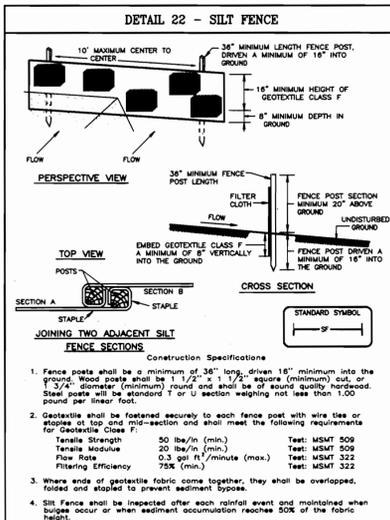
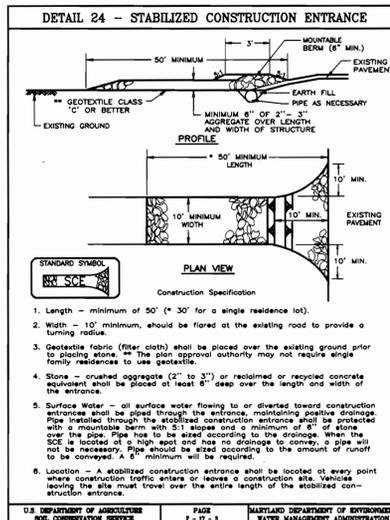
SPECIAL NOTES
 This plan is for house siting and lot grading only. Improvements shown within the rights-of-way on this S.D.P. are not to be used for construction. For construction, see approved Road Construction Plans F-01-140 and/or approved Water and Sewer Plans Contract.

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

SUBDIVISION NAME	SECTION/AREA	LOTS/PARCELS
EMERSON	1/1	22, 23, 27 & 31
PLAT NO. 14906-15001	BLOCK NO. 3, 8 & 9	ZONE R-ED
TAX MAP NO. 47	ELECTION DIST. 6th	CENSUS TRACT 6051.02
WATER CODE E 15	SEWER CODE 1600000	

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

DESIGNED	SITE DEVELOPMENT, SEDIMENT & EROSION CONTROL PLAN	SCALE
RMT / KQL	LOTS 22, 23, 27 AND 31	1" = 30'
DRAWN	EMERSON	DRAWING
KQL		1 of 2
CHECKED	TAX MAP 47 PARCEL P/O 837 GRID Nos. 3, 8, & 9	JOB NO.
BL	SECTION 1 AREA 1 SIXTH (6th) ELECTION DISTRICT HOWARD COUNTY, MARYLAND	01-071
DATE	FOR: NU-HOMES, INC. 10630 LITTLE PATUXENT PARKWAY, SUITE 146 COLUMBIA, MARYLAND 21044	FILE NO.
11-2-01		01-071-X



APPROVED: DEPARTMENT OF PLANNING & ZONING
 [Signature] 2/7/02 DATE
 CHIEF, DEVELOPMENT ENGINEERING DIVISION
 [Signature] 2/8/02 DATE
 CHIEF, DIVISION OF LAND DEVELOPMENT
 [Signature] 2/8/02 DATE
 DIRECTOR

Reviewed for HOWARD S.C.D.
 and meets Technical Requirements
 [Signature] 2/3/02 DATE
 U.S. Natural Resources Conservation Service

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
 [Signature] 2/5/02 DATE
 HOWARD S.C.D.

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

- This practice is limited to areas having 2:1 or flatter slopes where:
 - The texture of the exposed subsoil/parent material is not adequate to produce vegetative growth.
 - 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.
 - The original soil to be vegetated contains material toxic to plant growth.
 - The soil is so acidic that treatment with limestone is not feasible.
- 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

- 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.
- Topsoil Specifications - Soil to be used as topsoil must meet the following:
 - 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 1/2" in diameter.
 - Topsoil must be free of plants or plant parts such as Bermuda grass, quackgrass, Johnsongrass, nutsedge, poison ivy, thistle, or others as specified.
 - 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. For sites having disturbed areas under 5 acres:

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

IV. For sites having disturbed areas over 5 acres:

- On soil meeting topsoil specifications, obtain test results dictating fertilizer and lime amendments required to bring the soil into compliance with the following:
 - pH for topsoil shall be between 6.0 and 7.5. If the tested soil demonstrates a pH of less than 6.0, sufficient lime shall be prescribed to raise the pH to 6.5 or higher.
 - Organic content of topsoil shall be not less than 1.5 percent by weight.
 - Topsoil having soluble salt content greater than 500 parts per million shall not be used.
 - No sod or seed shall be placed on soil which has been treated with soil sterilants or chemicals used for weed control until sufficient time has elapsed (14 days min.) to permit dissipation of phytotoxic materials.

NOTE: Topsoil substitutes or amendments, as recommended by a qualified agronomist or soil scientist and approved by the appropriate approval authority, may be used in lieu of natural topsoil.

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

V. Topsoil Application

- When topsoiling, maintain needed erosion and sediment control practices such as diversions, Grade Stabilization Structures, Earth Dikes, Slope Silt Fence and Sediment Traps and Basins.
- Grades on the areas to be topsoiled, which have been previously established, shall be maintained, albeit 4" - 8" higher in elevation.
- Topsoil shall be uniformly distributed in a 4"-8" layer and lightly compacted to a minimum thickness 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.
- 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.

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, disking 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 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 rotted 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, disking 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 rotted 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 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.

SEDIMENT AND EROSION CONTROL NOTES

- 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 (313-1855).
- All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the 1994 MARYLAND STANDARDS AND SPECS. FOR SOIL EROSION AND SEDIMENT CONTROL and revisions thereto.
- Following initial soil disturbance or redistribution, permanent or temporary stabilization shall be completed within:
 - 7 calendar days for all perimeter sediment control structures, dikes, perimeter slopes and all slopes greater than 3:1
 - 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 7, of the HOWARD COUNTY DESIGN MANUAL, Storm Drainage.
- All disturbed areas must be stabilized within the time period specified above, in accordance with the 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for permanent seedings, sod, temporary seeding and mulching (Sec G). 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:	0.89 Acres
Area Disturbed:	0.89 Acres
Area to be roofed or paved:	0.34 Acres
Area to be vegetatively stabilized:	0.55 Acres
Total Cut:	861 CY
Total Fill:	1999 CY
Offsite Waste/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 DPW 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.
- Trenches for the construction of utilities shall be backfilled and stabilized within one working day, or is limited to three pipe lengths.
- The total amount of silt fence = 386 LF
- The total amount of super silt fence = 714 LF
- The total amount of super diversion fence = 178 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 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
4. Excavate for foundations, rough grade and temporarily stabilize.	30
5. Construct structures, sidewalks and driveways.	60
6. Final grade, install Erosion Control Matting and stabilize in accordance with standards and specifications.	14
7. Upon approval of the sediment control inspector, remove sediment and erosion control devices and stabilize.	7

* Delay construction of houses on lots: N/A

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

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

DESIGNED PC	SEDIMENT & EROSION CONTROL DETAILS LOTS 22, 23, 27 AND 31	SCALE 1" = 30'
DRAWN KOL		DRAWING 2 of 2
CHECKED BL	TAX MAP 47 PARCEL P/O 837 GRID NOS. 3.8, & 9	JOB NO. 01-071
DATE 11-2-01	SECTION 1 AREA 1 SIXTH (6th) ELECTION DISTRICT HOWARD COUNTY, MARYLAND	FILE NO. 01-071-X

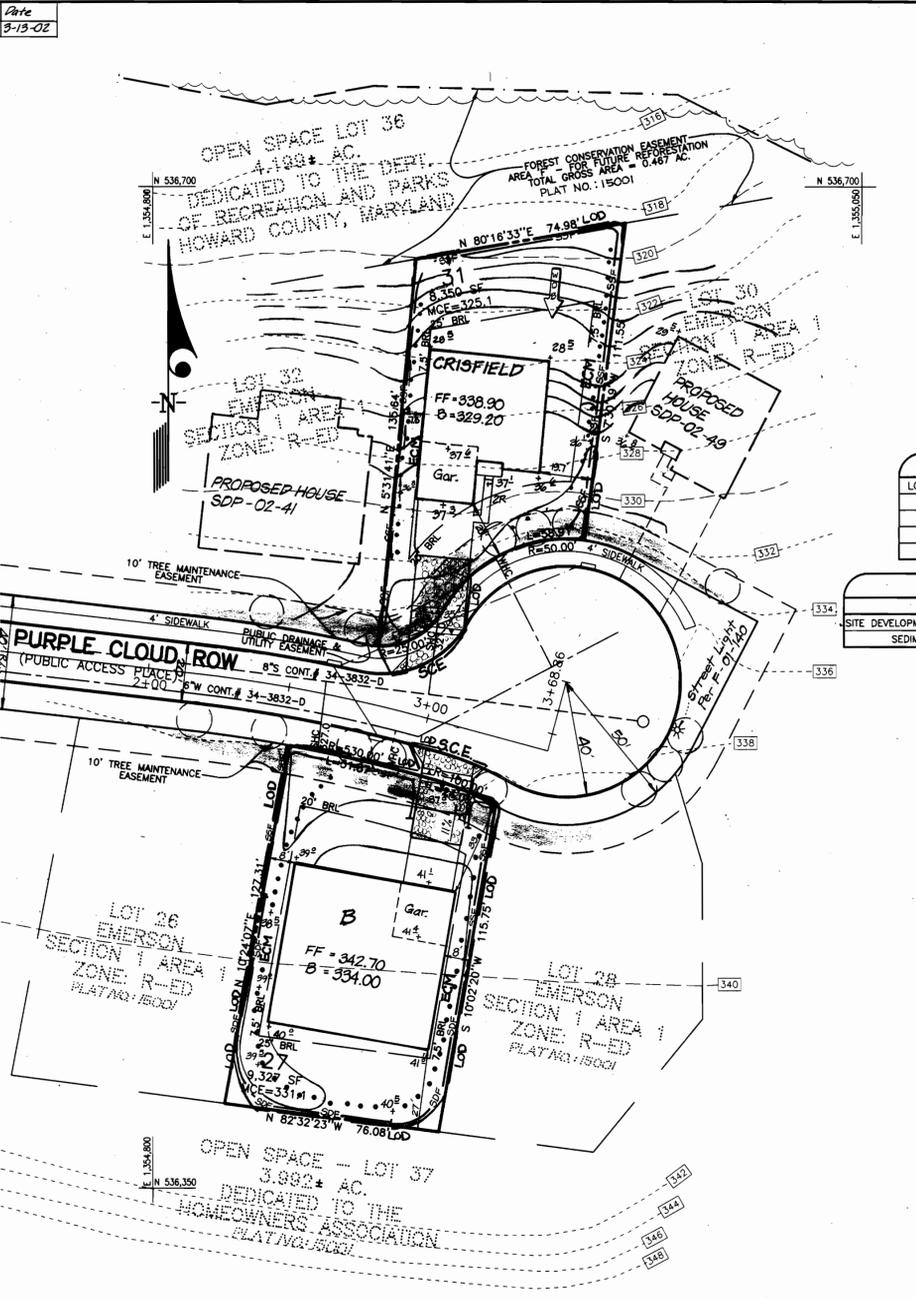
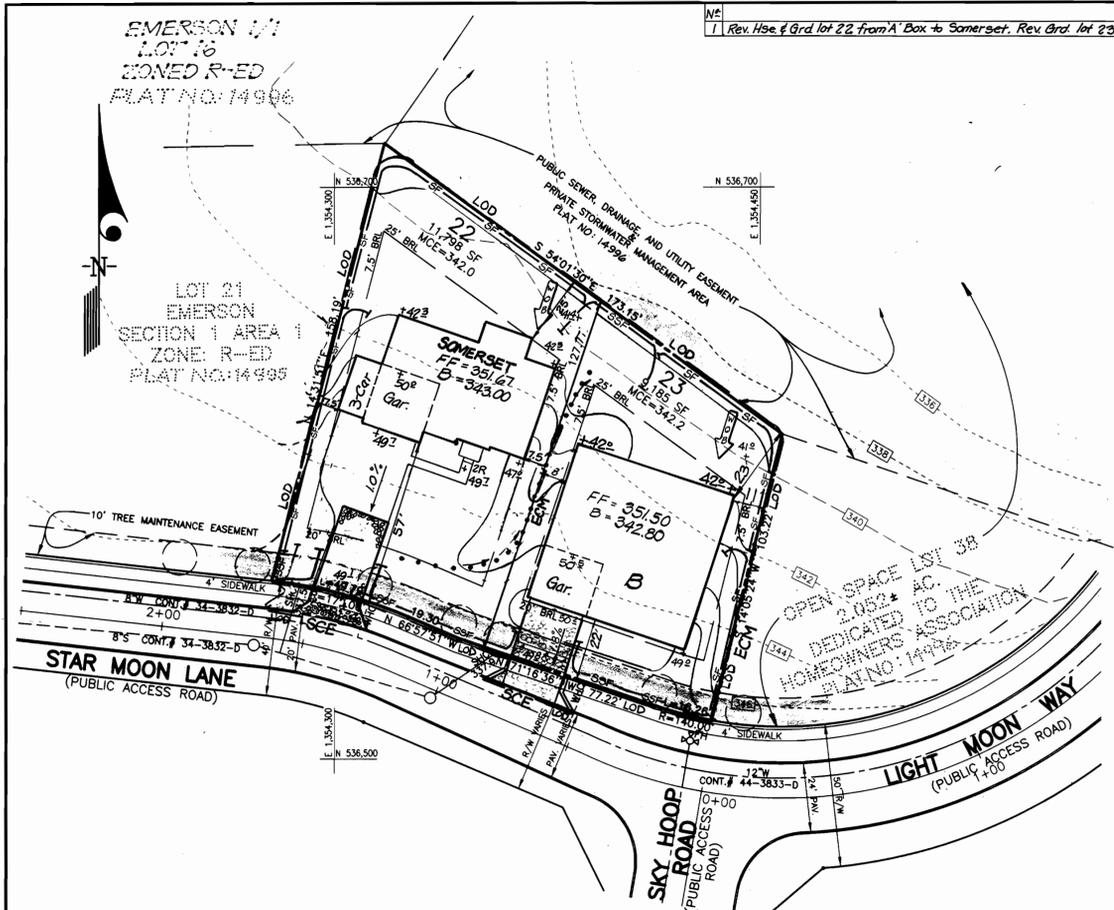
FOR: NU-HOMES, INC.
 10830 LITTLE PATUXENT PARKWAY, SUITE 146
 COLUMBIA, MARYLAND 21044



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] 11-05-01 DATE
 G. NELSON CLARK

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] 11-6-01 DATE
 HARRY A. BOWIE

EMERSON 1/1
 LOT 16
 ZONED R-ED
 PLAT NO. 14996



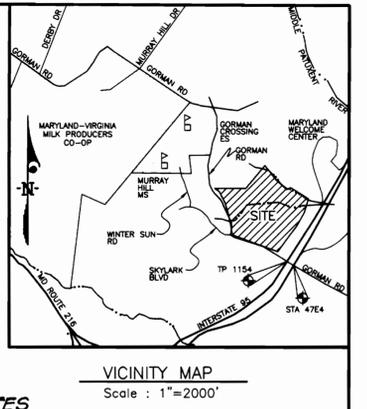
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- STABILIZED CONSTRUCTION ENTRANCE
- EROSION CONTROL MATTING
- SILT FENCE
- SUPER FENCE
- SUPER DIVERSION FENCE
- LIMIT OF DISTURBED AREA
- TREE PROTECTION FENCE
- EXISTING TREES TO REMAIN
- Street Trees Per F-01-40

BENCHMARKS:

Howard County Monument #474 (NAD '83)
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 E 1,355,431.196

Howard County Monument #4704 (NAD '83)
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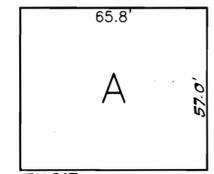


ADDRESS CHART

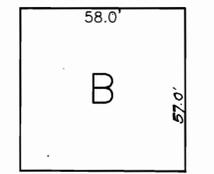
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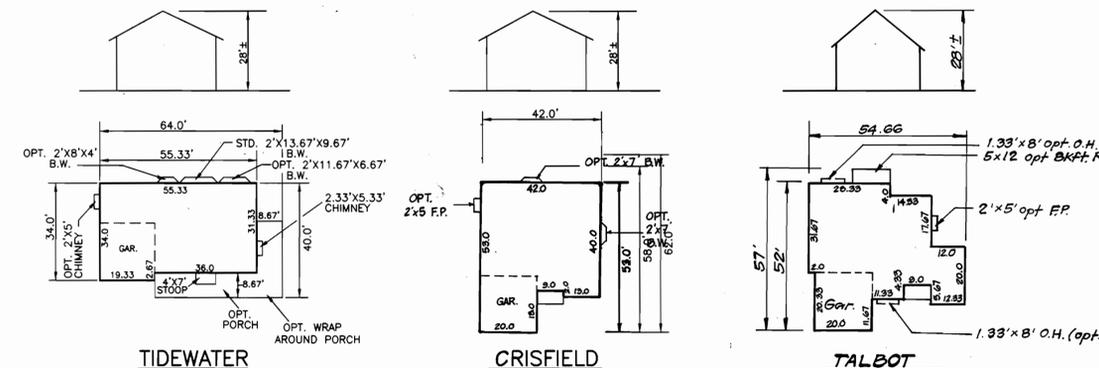
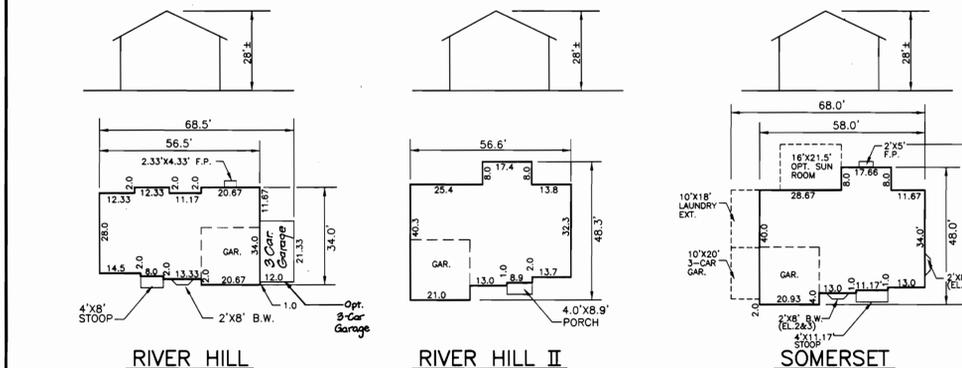
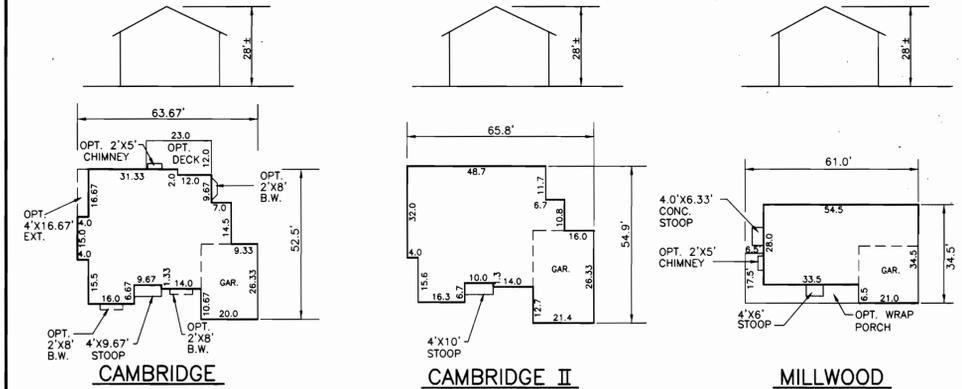
TALBOT (NO OPTIONS)
 CAMBRIDGE
 CRISFIELD (NO OPTIONS)
 MILLWOOD
 RIVERHILL (NO 3-CAR GAR.)
 RIVERHILL-II
 SOMERSET NO 3-CAR GAR.
 OR LAUNDRY EXT.)
 TIDEWATER



CRISFIELD (NO OPTIONS)
 MILLWOOD (NO WRAP PORCH)
 RIVERHILL (NO 3-CAR GAR.)
 RIVERHILL-II
 SOMERSET NO 3-CAR GAR.
 OR LAUNDRY EXT.)
 TIDEWATER (NO WRAP PORCH)
 TALBOT

- GENERAL NOTES**
- Since it's submission was prior to Nov. 15, 2001, this SDP will be required to comply with the 4th Edition of the Ho. Co. Subdivision Regulations.
 - Subject property is zoned: R-ED per 10-18-93 Comprehensive Zoning Plan dated June, 1999.
 - The total area included in this submission is : 0.888 Acres.
 - The total number of lots included in this submission is : 4
 - Improvement to property : Single Family Detached
 - Department of Planning and Zoning reference file numbers : F-01-140, P-01-16, S-00-12, WP-00-87, WP-01-39, WP-01-99
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 - All roadways are public and existing.
 - The existing topography was taken from Road Construction Plans prepared by Patton Harris Rust & Assoc. ON 6-26-01.
 - The coordinates shown herein are based upon the Howard County Geodetic Control which is based upon the NAD 83 Coordinate System - Howard County Monuments Numbers: 47E4 & 47D4
 - 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 & R.6.05.
 - In accordance with Section 128 of the Ho. Co. zoning regulations, bay windows, chimneys or exterior stairways not more than 16 feet in width may project not more than 4 feet into any setbacks, porches, or decks, open or enclosed may project not more than 10 feet into the front or rear yard setback.
 - Water quality and quantity treatment for the proposed roadways and lot is being provided by extended detention facility, this facility will be privately owned and maintained by the homeowners association.
 - No clearing, grading or construction is permitted within the required wetland, stream buffers or forest conservation areas except for the work associated with the approved construction plans. All forest to remain within the areas shown as "Forest Conservation Easement" meet the minimum requirements of the forest conservation act.
 - No clearing, grading or construction is permitted within the forest Conservation Easement. However, forest management practices as defined in the Dead or Forest Conservation are allowed.
 - SHC Elevations shown are at the property line.
 - Stormwater Management for this development including future development of parcel A is provided in accordance with the 2000 MDE Stormwater Management Manual. Portions of Open Space lots 35, 36, & 39 are being used as natural area conservation credit areas. A central privately maintained stormwater wet pond is being used to provide the water quality and channel protection volumes for this development.
 - The Forest Conservation Easement Areas E, F, and G are future possible reforestation areas that can be utilized at a later date to satisfy requirements per F-01-140.
 - The wetlands delineation study for this project was prepared by Daft McCune & Walker, Inc.
 - In accordance with Section 128 of the Ho. Co. zoning regulations, bay windows, chimneys or exterior stairways not more than 16 feet in width may project not more than 4 feet into any setback. Porches or decks open or enclosed may project not more than 10 feet into the front or rear setback.

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



APPROVED: DEPARTMENT OF PLANNING & ZONING
 Chief, Development Engineering Division
 Chief, Division of Land Development
 Director

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

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.



SUBDIVISION NAME	SECTION/AREA	LOTS/PARCELS
EMERSON	1/1	22, 23, 27 & 31
PLAT NO. 14996-16001	BLOCK NO. 3, 8 & 9	ZONE R-ED
TAX MAP NO. 47	ELECTION DIST. 6th	CENSUS TRACT 6051.02
WATER CODE E 15	SEWER CODE 1600000	

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

DESIGNED: RMT / KQL
 DRAWN: KQL
 CHECKED: BL
 DATE: 11-2-01

SITE DEVELOPMENT, SEDIMENT & EROSION CONTROL PLANS
 LOTS 22, 23, 27 AND 31

EMERSON
 TAX MAP 47 PARCEL P/O 837 GRID Nos. 3, 8, & 9
 SECTION 1 AREA 1
 SIXTH (6th) ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

FOR: NU-HOMES, INC.
 10630 LITTLE PATUXENT PARKWAY, SUITE 146
 COLUMBIA, MARYLAND 21044

SCALE: 1" = 30'
 DRAWING: 1 of 2
 JOB NO.: 01-071
 FILE NO.: 01-071-X