

BENCH MARKS
 T.P. 47E4 ELEV. 315.38
 N. 535,063.639
 E. 1357,224.000
 LOC. NEAR THE INTERSECTION
 OF GORMAN RD. & STEVENS ROAD.
 T.P. 47E4 ELEV. 339.00
 N. 535,846.148
 E. 1,355,431.223
 LOC. NEAR 1-95 BRIDGE
 ALONG GORMAN ROAD

VICINITY MAP
 SCALE: 1" = 200'

GENERAL NOTES

- SUBJECT PROPERTY IS ZONED PEC-MXD-3 AS GRANTED BY THE ZONING BOARD ON 9/3/98 AS CASE NO. ZB-9794.
- TOTAL AREA OF SITE: 1.237 ACRES
- TOTAL NUMBER OF LOTS SUBMITTED: 6 SFD
- THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION INSPECTION DIVISION AT (410)313-1060 AT LEAST (5) FIVE 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.
- THIS PROJECT IS SUBJECT TO HOWARD COUNTY FILES: ZB-9794, PB-339, PB-359, S-99-12, P-00-15, WP-01-22, F-01-137, W&S CONT. #24-3966-D.
- THIS PLAN IS BASED ON A FIELD RUN MONUMENTED BOUNDARY SURVEY PERFORMED ON OR ABOUT JUNE, 1999 BY DAFT MCCLUNE WALKER, INC.
- HORIZONTAL AND VERTICAL CONTROL DATUM IS BASED ON NAD 83, MARYLAND COORDINATE SYSTEM AS PROJECTED BY HOWARD COUNTY GEODETIC CONTROL STATIONS.
 HOWARD COUNTY MONUMENT 47E4 N 535846.153 E 1355431.224
 HOWARD COUNTY MONUMENT 47E4 N 535063.639 E 1357224.000
- ANY DAMAGE TO THE COUNTY'S RIGHT-OF-WAY SHALL BE CORRECTED AT THE DEVELOPER'S EXPENSE.
- THIS PLAN IS FOR HOUSE SITING AND GRADING ONLY. IMPROVEMENTS SHOWN WITHIN THE RIGHTS-OF-WAY OF THIS S.D.P. ARE NOT USED FOR CONSTRUCTION FOR CONSTRUCTION SEE APPROVED ROAD CONSTRUCTION PLANS F-01-137 AND/OR APPROVED WATER AND SEWER PLANS CONTRACT NO. 24-3966-D.
- CONTRACTOR WILL CHECK SEWER HOUSE CONNECTION ELEVATION AT EASEMENT LINE PRIOR TO CONSTRUCTION.
- STORMWATER MANAGEMENT WILL BE PROVIDED AS APPROVED ON THE ROAD CONSTRUCTION DRAWINGS FILED UNDER F-01-137.
- THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE PROVISION OF SECTION 16124 OF THE HOWARD COUNTY CODE AND LANDSCAPE MANUAL AND DEVELOPMENT CRITERIA APPROVED BY THE PLANNING BOARD 7-1-99 PER CASE NO. PB-339 REQUIRED LANDSCAPING HAS BEEN POSTED AS PART OF THE GRADING PERMIT IN THE AMOUNT OF \$9000.00 FOR 30 SHADE TREES AND 0 EVERGREEN TREES.
- PERIMETER LANDSCAPING AND STREET TREES SHALL BE PROVIDED IN ACCORDANCE WITH SECTION 16124 OF THE HOWARD COUNTY CODE, THE LANDSCAPE MANUAL AND DEVELOPMENT CRITERIA APPROVED BY THE PLANNING BOARD ON 7/1/99 PER CASE #339 AND SECTION 16124 OF THE HOWARD COUNTY CODE AND THE LANDSCAPE MANUAL. A \$1,500.00/LOT SURETY SHALL BE POSTED AS PART OF THE BUILDER'S GRADING PERMIT TO COVER THE INSTALLATION OF THE FIVE (5) INTERNAL LANDSCAPING TREES REQUIRED FOR EACH OF THESE LOTS.
- THIS PLAN COMPLIES WITH THE REQUIREMENTS OF SECTION 161200 OF THE HOWARD COUNTY CODE FOR FOREST CONSERVATION BY RETAINING 16.77 ACRES+ AND REFORESTING 5.03 ACRES+ AS PART OF THE OVERALL DEVELOPMENT OF EMERSON, SECTION 2. THE EXCESS 4.5 ACRES+ OF REFORESTATION MAY BE USED TOWARD MEETING THE OBLIGATIONS OF FUTURE PHASES OF EMERSON, SECTION 2, F-01-137.
- STORMWATER MANAGEMENT (SWM) IS BEING TREATED ON THIS SITE BY SWM PONDS AND SWM CREDITS IN ACCORDANCE WITH THE 2000 MARYLAND DEPARTMENT OF THE REGULATIONS. THERE ARE TWO WET PONDS DESIGNED FOR THIS PORTION OF THE PROJECT, EACH OF WHICH ADDRESSES WATER QUANTITY AND QUALITY REQUIREMENTS. THE WET VOLUMES REPRESENTING QUALITY. THESE PONDS ARE TO BE PUBLICLY MAINTAINED BY HOWARD COUNTY, MARYLAND. OF WATER QUANTITY, QUALITY AND RECHARGE VOLUMES ARE ADDRESSED BY SWM CREDITS THAT TREAT RUNOFF NON-STRUCTURALLY. THESE CREDITS INCLUDE NATURAL AREA PRESERVATION AREAS, DISCONTINUATION OF ROOFING RUNOFF, SHEET FLOW TO BUTTER AREAS AND GRASS SWALES. SWM POND IV IS A RETROFIT OF AN EXISTING POND (BELONGING TO EASTERN MIDDLE SCHOOL) AND WILL ADDRESS SWM QUANTITY AND QUALITY. THE LATTER IN THE FORM OF EXTENDED DETENTION.
- FOR DRIVEWAY ENTRANCE DETAILS REFER TO HO. CODES MANUAL VOL. IV DETAILS R.6.03 & R.6.05.
- OPEN SPACE REQUIREMENTS FOR THESE LOTS HAVE BEEN PROVIDED UNDER F-01-137.
- MINIMUM BUILDING RESTRICTION SETBACKS FROM PROPERTY LINES AND PUBLIC ROAD RIGHTS-OF-WAY ARE TO BE IN ACCORDANCE WITH THE DEVELOPMENT CRITERIA APPROVED WITH THE COMPREHENSIVE SKETCH PLAN 5-99-12 AND THE DECISION AND ORDER FOR PB-339 APPROVED ON JULY 1, 1999.
- THE MINIMUM SETBACKS FOR STRUCTURES SHALL BE AS FOLLOWS:
 FRONT SETBACK 15' FROM THE RIGHT-OF-WAY TO THE HOUSE OR GARAGE.
 SIDE SETBACK 5' TO THE PROPERTY LINE WITH A MINIMUM OF 15' BETWEEN STRUCTURES
 REAR SETBACK 10' FROM THE PROPERTY LINE TO AN OPEN DECK.
 20' FROM THE PROPERTY LINE TO THE HOUSE.
 ANY DEVIATION FROM THESE SETBACK REQUIREMENTS WILL REQUIRE SITE DEVELOPMENT PLAN APPROVAL BY THE HOWARD COUNTY PLANNING BOARD.
- LOT COVERAGE BY BUILDINGS WITHIN SINGLE FAMILY DETACHED LAND USE AREAS SHALL NOT EXCEED 40%. NO LIMITATION IS IMPOSED UPON THE AREA USED FOR SIDEWALKS, PAVED PARKING AREAS, PATIOS, DECKS, LANDSCAPING AND SIMILAR MINOR STRUCTURE.
- AS A CONSEQUENCE OF THIS SUBMISSION, ON JULY 8, 2002, THIS S.D.P. IS SUBJECT TO THE 5TH EDITION OF THE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS.
- IN ACCORDANCE WITH SECTION 12B OF THE HOWARD COUNTY ZONING REGULATIONS, BAY WINDOWS, CHIMNEYS OR EXTERIOR STAIRWAYS NOT MORE THAN 15' 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 SETBACKS. THE 15' MINIMUM DISTANCE BETWEEN STRUCTURES DOES NOT APPLY TO THOSE REFERENCED FEATURES NOR BETWEEN OPEN DECKS AND A DWELLING STRUCTURE OR ANOTHER DECK. AS AN ADVISORY, THE 15' DISTANCE DOES APPLY TO THE SECOND STORY OVERHANG.
- DRIVEWAYS SHALL BE PROVIDED PRIOR TO RESIDENTIAL OCCUPANCY TO INSURE SAFE ACCESS FOR FIRE AND EMERGENCY VEHICLES PER THE FOLLOWING (MINIMUM) REQUIREMENTS:
 A) WIDTH 12' (4" IF SERVING MORE THAN ONE RESIDENCE)
 B) SURFACE (P-D) STANDARD PAVING
 C) GEOMETRY MAXIMUM 15% GRADE, MAXIMUM 10% GRADE CHANGE AND 45 FOOT TURNING RADIUS.
 D) STRUCTURES (BRIDGES/CULVERTS) CAPABLE OF SUPPORTING 25 GROSS TONS (H25-LOADING)
 E) DRAINAGE ELEMENTS CAPABLE OF SAFETY PASSING 100 YEAR FLOOD WITH NO MORE THAN 1 FOOT DEPTH OVER DRIVEWAY SURFACE.
 F) STRUCTURE CLEARANCES MINIMUM 12 FEET
 G) MAINTENANCE SUFFICIENT TO INSURE ALL WEATHER USE.

SALISBURY

1765.00 SF = 442.50 SF
 0.4 Min. Lot Size w/all Options

RIVERHILL II

2654.50 SF = 6636.25 SF
 0.4 Min. Lot Size w/all Options

RIVERHILL

1830.50 SF = 4576.25 SF
 0.4 Min. Lot Size w/all Options

MILLWOOD/MILLWOOD II

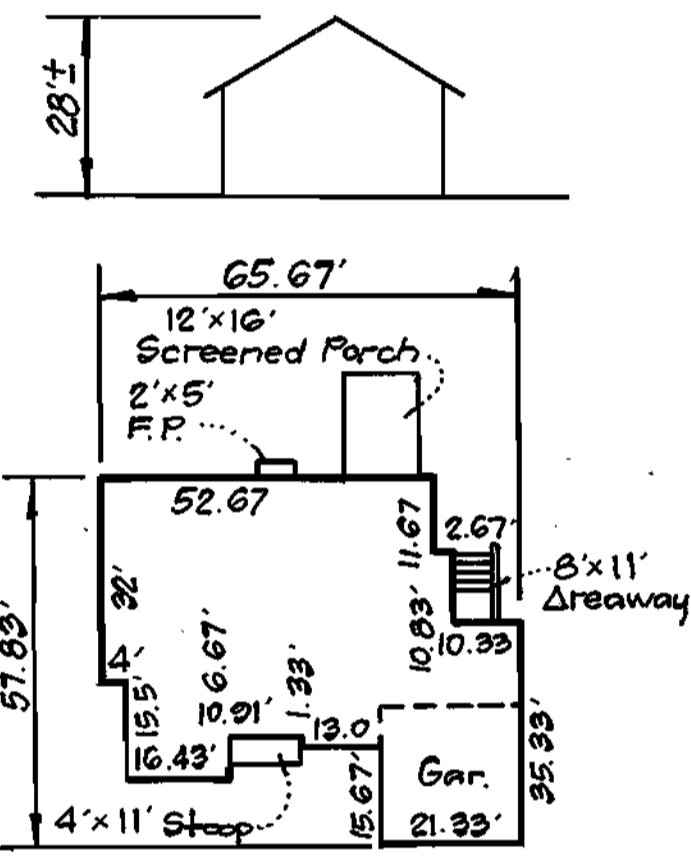
1920.18 SF = 4905 SF
 0.4 Min. Lot Size w/all Options

CRISFIELD

1864.52 SF = 4613.30 SF
 0.4 Min. Lot Size w/all Options

CAMBRIDGE

2770.82 SF = 6947.05 SF
 0.4 Min. Lot Size w/all Options



GESSEL RESIDENCE

3198.18 = 7995.45 SF Min. Lot Size
 0.4

SOMERSET

3137.16 SF = 7842.90 SF
 0.4 Min. Lot Size w/all Options

TALBOT

2233.69 SF = 5584.23 SF
 0.4 Min. Lot Size w/all Options

TALBOT (LOT 15 ONLY)

2449.90 SF = 6124.75 SF
 0.4 Min. Lot Size w/all Options

TALBOT II

2408.70 SF = 6221.75 SF
 0.4 Min. Lot Size w/all Options

TIDEWATER

1997.43 SF = 4993.58 SF
 0.4 Min. Lot Size w/all Options

INDEX CHART

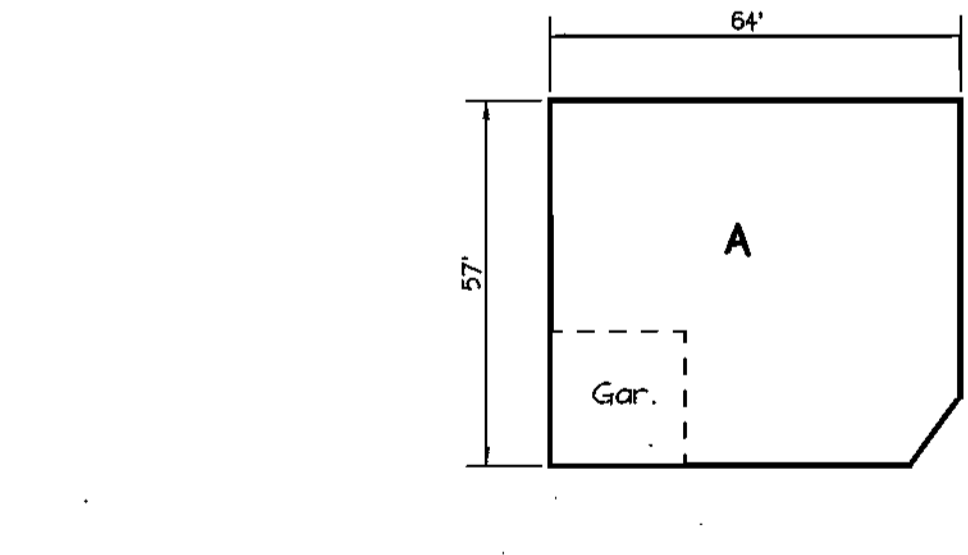
SHEET	DESCRIPTION
SHEET 1	TITLE SHEET, HOUSE TYPES, TEMPLATES
SHEET 2	SITE DEVELOPMENT, SEDIMENT/EROSION CONTROL PLAN & LANDSCAPE NOTES/DETAILS
SHEET 3	SEDIMENT/EROSION CONTROL NOTES & DETAILS

ADDRESS CHART

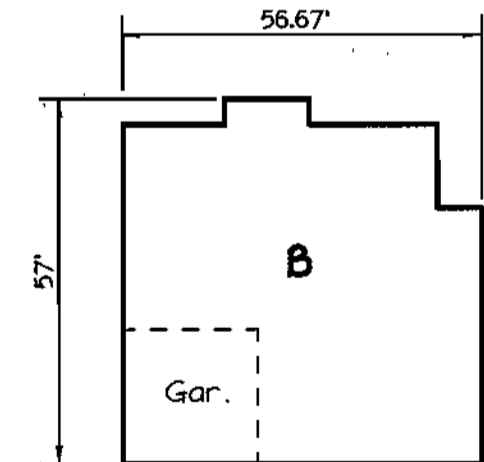
LOT NUMBER	STREET ADDRESS
7	1002A FALL RAIN DRIVE
8	1002B FALL RAIN DRIVE
15	9912 SNOWY HILL TERRACE
16	9916 SNOWY HILL TERRACE
17	9920 SNOWY HILL TERRACE
18	9924 SNOWY HILL TERRACE

LEGEND

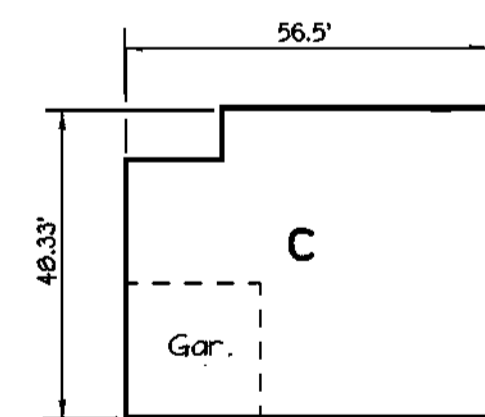
SYMBOL	DESCRIPTION
---	EXISTING CONTOUR 2' INTERVAL
+362.2	SPOT ELEVATION
-SF	SILT FENCE
-SSF	SUPER SILT FENCE
---	PROPOSED WALKOUT
ECM	EROSION CONTROL MATTING
---	EXISTING TREE LINE
L.O.D.	LIMIT OF DISTURBANCE
○	EXISTING STREET TREE TAKEN FROM F-01-137



CAMBRIDGE
 CRISFIELD
 MILLWOOD
 MILLWOOD II
 RIVERHILL
 RIVERHILL II
 SALISBURY
 SOMERSET
 TALBOT
 TALBOT II
 TIDEWATER

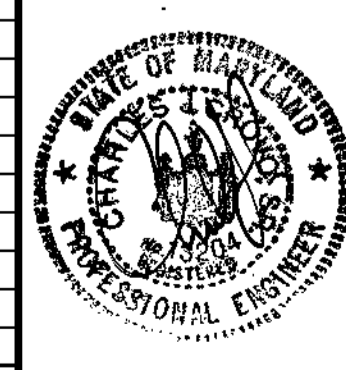


CRISFIELD
 MILLWOOD
 MILLWOOD II
 RIVERHILL
 RIVERHILL II
 SALISBURY
 TALBOT
 TALBOT II
 TIDEWATER



MILLWOOD
 MILLWOOD II
 RIVERHILL
 RIVERHILL II
 SALISBURY
 TIDEWATER

FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 CENTURIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL Fwy
 BELLEVILLE CITY, MARYLAND 21042
 (410) 481-2925



ENGINEER'S CERTIFICATE
 "I certify that this plan for erosion and sediment 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 of Engineer: *Charles J. Crovo, Sr.* Date: 8/2/02
BUILDER/DEVELOPER'S CERTIFICATE
 "I/we certify that all development and construction will be done according to this plan, for sediment and erosion control and that any 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."
 Signature of Developer: *Harry Bowie* Date: 8-2-02

Reviewed for HOWARD SCD and meets Technical Requirements.
John R. Robertson 8/19/02 Date
 Director, Department of Planning and Zoning
 Approved: *Kathleen L. Forcht* 8/21/02 Date
 Chief, Division of Development
 Approved: *John R. Robertson* 8/21/02 Date
 Chief, Development Engineering Division MK
 Approved: *John R. Robertson* 8/25/02 Date
 Director, Department of Planning and Zoning
OWNER
 THE HOWARD RESEARCH & DEVELOPMENT CORP.
 10275 LITTLE PATIENT PARKWAY
 COLUMBIA, MARYLAND 21044
 410-992-6000
BUILDER/DEVELOPER
 NU-HOMES
 10630 LITTLE PATIENT PARKWAY
 COLUMBIA, MARYLAND 21044
 410-730-2100

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

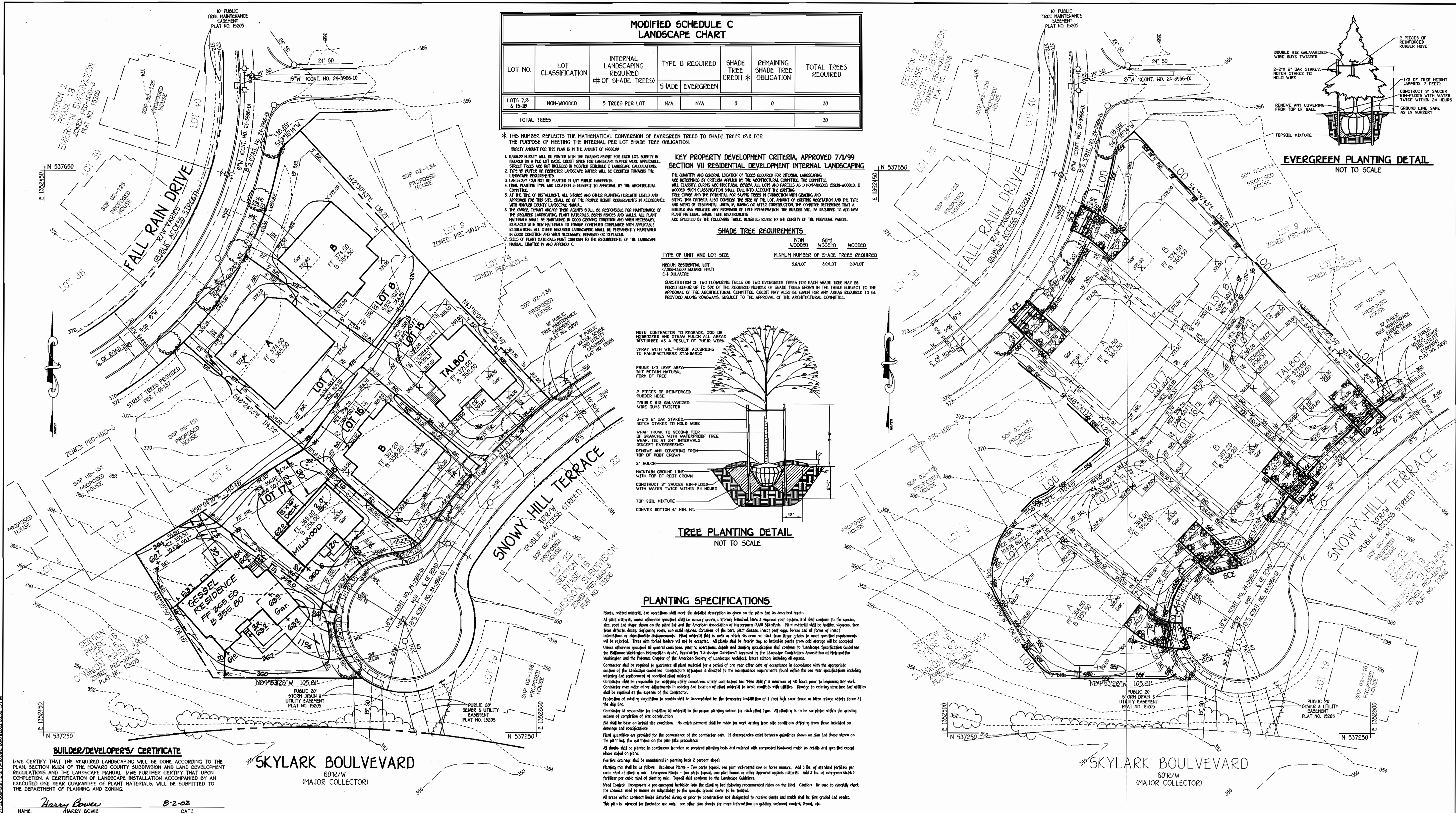
PROJECT	SECTION	LOTS NO.
EMERSON	2/18	7,8 & 15-18

PLAT	BLOCK NO.	ZONE	TAX/ZONE	ELEC. DIST.	CENSUS TR.
15205	8 & 9	PEC-MXD-3	47	6	6060.02

WATER CODE	SEWER CODE
E-15	7640000

TITLE SHEET
 SINGLE FAMILY DETACHED
EMERSON
 SECTION 2 PHASE 1B
 LOTS 7,8 & 15-18
 TAX MAP No: 47 PARCEL: 3 & 837 GRID 8
 SIXTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 SCALE: 1" = 30' DATE: MAY, 2002
 SHEET 1 OF 3

NO.	REVISION	DATE
2	Add Options to Millwood hse typical	7-29-03
1	Add Gessel Res. Hse. Typical	10-22-02



MODIFIED SCHEDULE C LANDSCAPE CHART

LOT NO.	LOT CLASSIFICATION	INTERNAL LANDSCAPING REQUIRED (# OF SHADE TREES)	TYPE B REQUIRED		SHADE TREE CREDIT *	REMAINING SHADE TREE OBLIGATION	TOTAL TREES REQUIRED
			SHADE	EVERGREEN			
LOTS 7,8 & 15-18	NON-WOODED	5 TREES PER LOT	N/A	N/A	0	0	30
TOTAL TREES							30

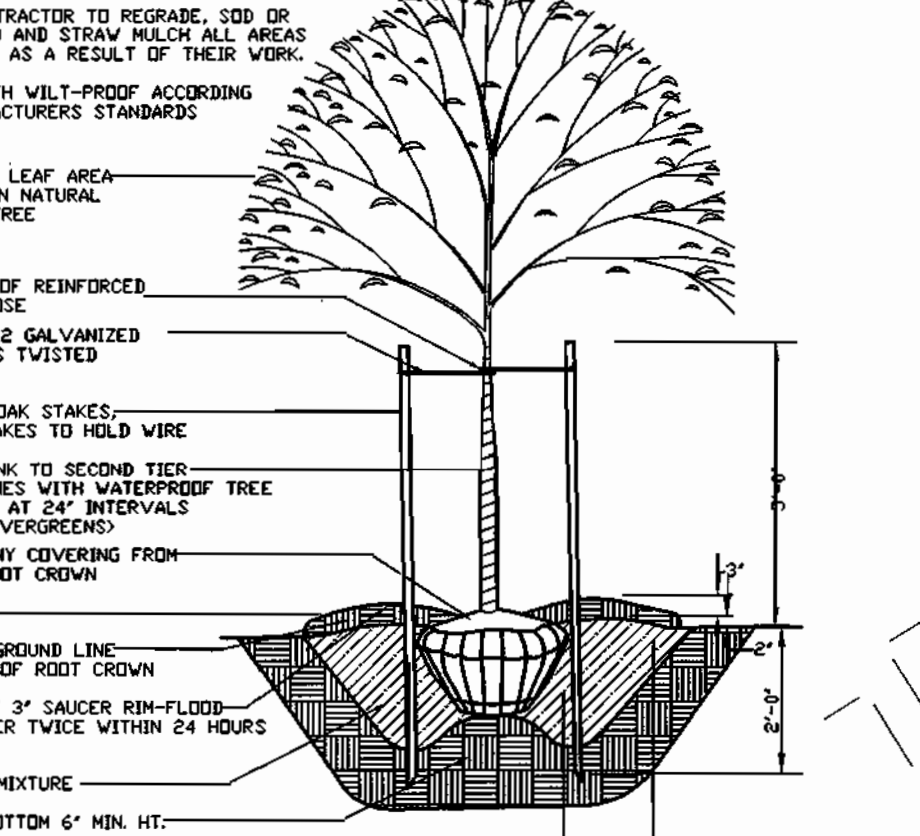
* THIS NUMBER REFLECTS THE MATHEMATICAL CONVERSION OF EVERGREEN TREES TO SHADE TREES (2:1) FOR THE PURPOSE OF MEETING THE INTERNAL PER LOT SHADE TREE OBLIGATION.

- KEY PROPERTY DEVELOPMENT CRITERIA, APPROVED 7/1/99**
SECTION VII RESIDENTIAL DEVELOPMENT INTERNAL LANDSCAPING
- THE QUANTITY AND GENERAL LOCATION OF TREES REQUIRED FOR INTERNAL LANDSCAPING ARE DETERMINED BY CRITERIA APPLIED BY THE ARCHITECTURAL COMMITTEE. THE COMMITTEE WILL CLASSIFY, DURING ARCHITECTURAL REVIEW, ALL LOTS AND PARCELS AS D (NON-WOODED) 25% OR WOODER (WOODER CLASSIFICATION SHALL TAKE INTO ACCOUNT THE EXISTING WOODS) 50% OR WOODER 75% (WOODER CLASSIFICATION SHALL TAKE INTO ACCOUNT THE EXISTING WOODS AND THE POTENTIAL FOR SAVING TREES IN CONNECTION WITH GRADING AND SITING). THIS CRITERIA ALSO CONSIDERS THE SIZE OF THE LOT, AMOUNT OF EXISTING VEGETATION AND THE TYPE AND KIND OF RESIDENTIAL UNITS, IF EXISTING OR ANTICIPATED. THE COMMITTEE DETERMINES THAT A BUILDER HAS VIOLATED ANY PROVISION OF TREE PRESERVATION, THE BUILDER WILL BE REQUIRED TO ADD NEW PLANT MATERIALS. SHADE TREE REQUIREMENTS, CREDIT MAY ALSO BE GIVEN FOR ANY AREAS REQUIRED TO BE PROVIDED ALONG ROADWAYS, SUBJECT TO THE APPROVAL OF THE ARCHITECTURAL COMMITTEE.
 - THE TYPE OF INSTALLMENT, ALL SHRUBS AND OTHER PLANTING HEREWITH LISTED AND APPROVED FOR THIS SITE, SHALL BE OF THE PROPER HEIGHT REQUIREMENTS IN ACCORDANCE WITH HOWARD COUNTY LANDSCAPE MANUAL.
 - THE OWNER, TENANT AND/OR THEIR AGENTS SHALL BE RESPONSIBLE FOR MAINTENANCE OF THE REQUIRED LANDSCAPING. PLANT MATERIALS, SOILS, FERTILIZERS AND IRRIGATION SYSTEMS SHALL BE MAINTAINED IN GOOD CONDITION AND WHEN NECESSARY, REPLACED WITH NEW MATERIALS TO ENSURE CONTINUED COMPLIANCE WITH APPLICABLE DESIGN CRITERIA. ALL OTHER REQUIRED LANDSCAPING SHALL BE PERMANENTLY MAINTAINED IN GOOD CONDITION AND WHEN NECESSARY, REPLACED OR REPLANTED.
 - SIZES OF PLANT MATERIALS MUST CONFORM TO THE REQUIREMENTS OF THE LANDSCAPE MANUAL, CHAPTER 11 AND APPENDIX C.

SHADE TREE REQUIREMENTS

TYPE OF UNIT AND LOT SIZE	NON WOODER	SEM WOODER	WOODER
	MINIMUM NUMBER OF SHADE TREES REQUIRED	5.0/LOT	3.0/LOT

SUBSTITUTION OF TWO FLOWERING TREES OR TWO EVERGREEN TREES FOR EACH SHADE TREE MAY BE PERMITTED UP TO 50% OF THE REQUIRED NUMBER OF SHADE TREES SHOWN IN THE TABLE SUBJECT TO THE APPROVAL OF THE ARCHITECTURAL COMMITTEE. CREDIT MAY ALSO BE GIVEN FOR ANY AREAS REQUIRED TO BE PROVIDED ALONG ROADWAYS, SUBJECT TO THE APPROVAL OF THE ARCHITECTURAL COMMITTEE.



TREE PLANTING DETAIL
NOT TO SCALE

PLANTING SPECIFICATIONS

Plants, material, and quantities shall meet the detailed description as given on the plan and as described herein. All plant material, unless otherwise specified, shall be nursery grown, uniformly branched, have a vigorous root system and shall conform to the species, size, root and shape shown on the plan list and the American Association of Nurserymen (AAN) Standards. Plant material shall be healthy, vigorous, free from insects, decay, disfiguring roots, stem and trunk damage, diseases of the bark, plant disease, insect pest eggs, borers and all forms of insect infestation or other plant damage. Plant material that is weak or which has been out-bid from those grades to meet special requirements will be rejected. Trees with forked leaders will not be accepted. All plants shall be freshly dug on installation plants from cold storage will be accepted. Unless otherwise specified all general conditions, planting operations, details and planting specification shall conform to "Landscape Specification Guidelines for Baltimore-Washington Metropolitan Area", hereinafter "Landscape Guidelines" approved by the Landscape Contractors Association of Metropolitan Washington and the Potomac Chapter of the American Society of Landscape Architects. Best copies, including all appendices.

Contractor shall be required to guarantee all plant material for a period of one year after date of acceptance in accordance with the appropriate section of the Landscape Guidelines. Contractor's attention is directed to the maintenance requirements found within the one year specifications including watering and replacement of specified plant material.

Contractor shall be responsible for notifying utility companies, utility contractors and "Miss Utility" a minimum of 48 hours prior to beginning any work. Contractor may make minor adjustments in spacing and location of plant material to avoid conflicts with utilities. Damage to existing structure and utilities shall be repaired at the expense of the Contractor.

Protection of existing vegetation to remain shall be accomplished by the temporary installation of a 4 foot high snow fence or three warning safety fence at the dig site.

Contractor is responsible for installing all material in the proper planting season for each plant type. All planting is to be completed within the growing season of completion of site construction. No extra payment shall be made for work arising from site conditions differing from those indicated on drawings and specifications.

Plant quantities are provided for the convenience of the contractor only. If discrepancies exist between quantities shown on plan and those shown on the plant list, the quantities on the plant list precedence.

All plants shall be planted in continuous trenches or prepared planting beds and mulched with composted hardwood mulch as details and specified except where noted on plan.

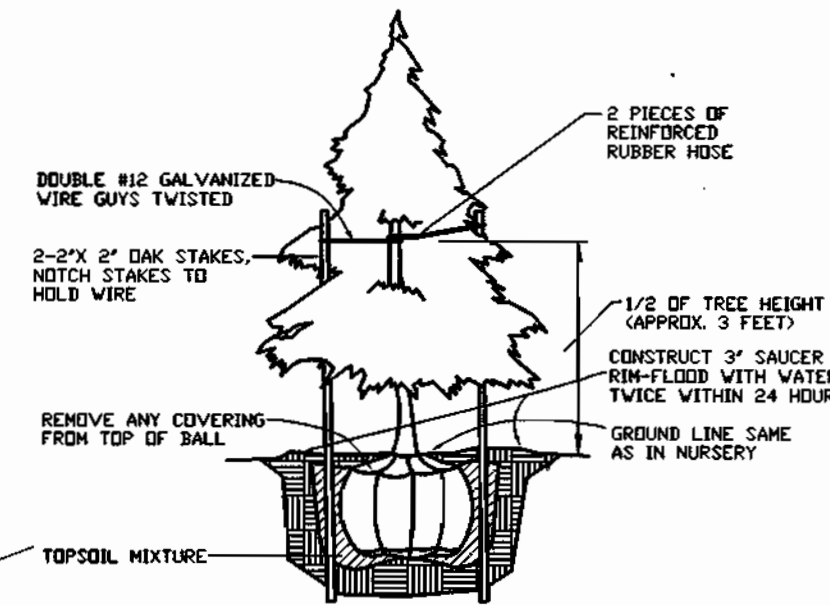
Positive drainage shall be maintained in planting beds 2 percent slope.

Planting mix shall be as follows: Deciduous Plants - Two parts topsoil, one part well-rotted cow or horse manure. Add 3 lbs. of standard fertilizer per cubic yard of planting mix. Evergreen Plants - Two parts topsoil, one part well-rotted cow or horse manure. Add 3 lbs. of standard fertilizer per cubic yard of planting mix. Topsoil shall conform to the Landscape Guidelines.

Wind Control: Incorporate a pre-emergent herbicide into the planting bed following recommended rates on the label. Caution: Be sure to carefully check the chemical used to assure its adaptability to the specific ground cover to be treated.

All areas within contract limits disturbed during or prior to construction not designated to receive plants and mulch shall be fine graded and seeded. The plan is intended for landscape use only. See other plan sheets for more information on grading, sediment control, layout, etc.

EVERGREEN PLANTING DETAIL
NOT TO SCALE



BUILDER/DEVELOPER'S CERTIFICATE

I/WE CERTIFY THAT THE REQUIRED LANDSCAPING WILL BE DONE ACCORDING TO THE PLAN, SECTION 16124 OF THE HOWARD COUNTY SUBDIVISION AND LAND DEVELOPMENT REGULATIONS AND THE LANDSCAPE MANUAL. I/WE FURTHER CERTIFY THAT UPON COMPLETION, A CERTIFICATE OF LANDSCAPE INSTALLATION ACCOMPANIED BY AN EXECUTED ONE YEAR GUARANTEE OF PLANT MATERIALS WILL BE SUBMITTED TO THE DEPARTMENT OF PLANNING AND ZONING.

Harry Bowie
NAME: HARRY BOWIE

8-2-02
DATE

SKYLARK BOULEVARD
60' R/W
(MAJOR COLLECTOR)

NO.	REVISION	DATE
2	Rev. hse. & grd. lot 17	7-20-09
1	Rev. hse. & grd. lot 18	10-22-02

NO.	REVISION	DATE
2	Rev. hse. & grd. lot 17	7-20-09
1	Rev. hse. & grd. lot 18	10-22-02

ENGINEER'S CERTIFICATE

I certify that this plan for erosion and sediment 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.

Charles J. Crovo, Sr.
Signature of Engineer: CHARLES J. CROVO, SR.
Date: 8/16/02

DEVELOPER'S CERTIFICATE

I/We certify that all development and construction will be done according to this plan, for sediment and erosion control and that any responsible personnel involved in the construction project will have a Certificate of Attention 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.

Harry Bowie
Signature of Developer: HARRY BOWIE
Date: 8-2-02

Approved for HOWARD SCD and meets Technical Requirements.

Jim Meyer
U.S. Natural Resources Conservation Service
Date: 8/19/02

John R. Robertson
HOWARD SOIL CONSERVATION DISTRICT
Date: 8/19/02

OWNER
THE HOWARD RESEARCH & DEVELOPMENT CORP.
10275 LITTLE PATUXENT PARKWAY
COLUMBIA, MARYLAND 21044
410-992-6000

BUILDER/DEVELOPER
MU-HOMES
10630 LITTLE PATUXENT PARKWAY
COLUMBIA, MARYLAND 21044
410-730-2100

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

John R. Robertson
Chief, Division of Land Development
Date: 8/21/02

John R. Robertson
Chief, Development Engineering Division
Date: 8/23/02

PROJECT
EMERSON SECTION 2 PHASE 1B
SECTION 2/1B
LOTS 7,8 & 15-18

PLAT	BLOCK NO.	ZONE	TAX/ZONE	ELEC. DIST.	CENSUS TR.
15205	8 & 9	PEC-MXD-3	47	6	6068.02

WATER CODE
E-15

SEWER CODE
7640000

SITE DEVELOPMENT & SEDIMENT/EROSION CONTROL PLAN & LANDSCAPE NOTES & DETAILS

SINGLE FAMILY DETACHED
EMERSON
SECTION 2 PHASE 1B
LOTS 7,8 & 15-18

TAX MAP No: 47 PARCEL: 3 & 837 GRID B
SIXTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
SCALE: 1" = 30' DATE: MAY, 2002

SHEET 2 OF 3
SDP-02-128

MODIFIED SCHEDULE C LANDSCAPE CHART

LOT NO.	LOT CLASSIFICATION	INTERNAL LANDSCAPING REQUIRED (# OF SHADE TREES)	TYPE B REQUIRED		SHADE TREE CREDIT *	REMAINING SHADE TREE OBLIGATION	TOTAL TREES REQUIRED
			SHADE	EVERGREEN			
LOTS 7B & 15-16	NON-WOODED	5 TREES PER LOT	N/A	N/A	0	0	30
TOTAL TREES							30

* THIS NUMBER REFLECTS THE MATHEMATICAL CONVERSION OF EVERGREEN TREES TO SHADE TREES (2:1) FOR THE PURPOSE OF MEETING THE INTERNAL PER LOT SHADE TREE OBLIGATION.
SURETY AMOUNT FOR THIS PLAN IS IN THE AMOUNT OF \$400000

1. \$400000 SURETY WILL BE POSTED WITH THE GRADING PERMIT FOR EACH LOT. SURETY IS POSTED ON A PER LOT BASIS. CREDIT CANNOT BE APPLIED TO OTHER LOTS.
STREET TREES ARE NOT INCLUDED IN MODIFIED SCHEDULE C LANDSCAPE CALCULATIONS.
2. TYPE 'B' BUTTER OR PROTECTOR LANDSCAPE BUTTER WILL BE CREATED TOWARDS THE LANDSCAPE REQUIREMENTS.
3. LANDSCAPE CANNOT BE PLANTED IN ANY PUBLIC EASEMENTS.
4. FINAL PLANTING TYPE AND LOCATION IS SUBJECT TO APPROVAL BY THE ARCHITECTURAL COMMITTEE.
5. AT THE TIME OF INSTALLMENT, ALL SHRUBS AND OTHER PLANTING HEREWITH LISTED AND APPROVED FOR THIS SITE, SHALL BE OF THE PROPER HEIGHT REQUIREMENTS IN ACCORDANCE WITH HOWARD COUNTY LANDSCAPE MANUAL.
6. THE OWNER, THROUGH THEIR AGENTS SHALL BE RESPONSIBLE FOR MAINTENANCE OF THE REQUIRED LANDSCAPING. PLANT MATERIALS BEING PROVIDED FOR MAINTENANCE OF THE REQUIRED LANDSCAPING SHALL BE MAINTAINED IN GOOD GROWING CONDITION AND WHEN NECESSARY, REPLACED WITH NEW MATERIALS TO ENSURE CONTINUED COMPLIANCE WITH APPLICABLE REGULATIONS. ALL OTHER REQUIRED LANDSCAPING SHALL BE MAINTAINED IN GOOD GROWING CONDITION AND WHEN NECESSARY, REPAIRED OR REPLACED.
7. SIZES OF PLANT MATERIALS MUST CONFORM TO THE REQUIREMENTS OF THE LANDSCAPE MANUAL, CHAPTER IV AND APPENDIX C.

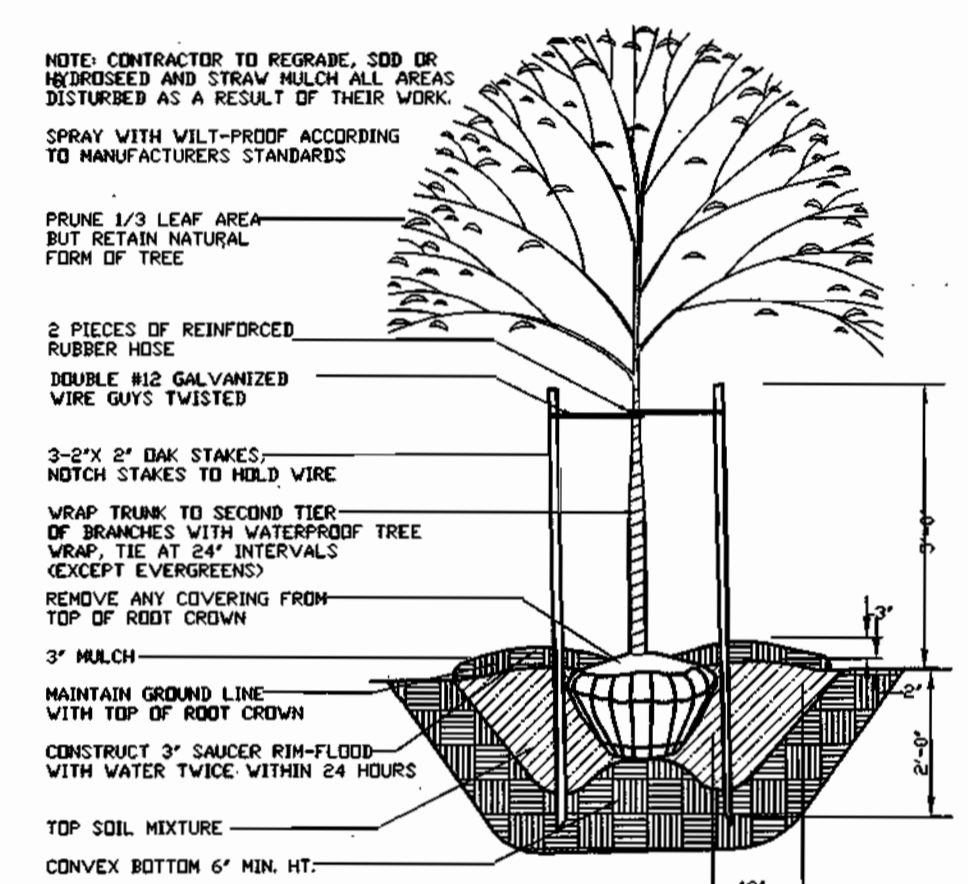
KEY PROPERTY DEVELOPMENT CRITERIA, APPROVED 7/1/99
SECTION VII RESIDENTIAL DEVELOPMENT INTERNAL LANDSCAPING
THE QUANTITY AND GENERAL LOCATION OF TREES REQUIRED FOR INTERNAL LANDSCAPING ARE DETERMINED BY CRITERIA APPLIED BY THE ARCHITECTURAL COMMITTEE. THE COMMITTEE WILL CLASSIFY, DURING ARCHITECTURAL REVIEW, ALL LOTS AND PARCELS AS 9 NON-WOODED 200PM-300R WOODEN SHED CLASSIFICATION SHALL TAKE INTO ACCOUNT THE EXISTING TREE COVER AND THE POTENTIAL FOR SAVING TREES IN CONNECTION WITH GRADING AND SETTING. THIS CRITERION ALSO CONSIDERS THE SIZE OF THE LOT, AMOUNT OF EXISTING VEGETATION AND THE TYPE AND SETBACK OF RESIDENTIAL UNITS. IT DURING OR AFTER CONSTRUCTION, THE OWNER WILL BE REQUIRED TO ADD NEW LANDSCAPING TO MEET THE CRITERIA. THE OWNER WILL BE REQUIRED TO ADD NEW LANDSCAPING TO MEET THE CRITERIA. THE OWNER WILL BE REQUIRED TO ADD NEW LANDSCAPING TO MEET THE CRITERIA. THE OWNER WILL BE REQUIRED TO ADD NEW LANDSCAPING TO MEET THE CRITERIA.

SHADE TREE REQUIREMENTS
NON WOODED 50/LOT
WOODED 30/LOT
WOODED 20/LOT

TYPE OF UNIT AND LOT SIZE
MINIMUM NUMBER OF SHADE TREES REQUIRED

NEARBY RESIDENTIAL LOT (7000-SQUARE FEET)
2-4 BAL/ACE

SUBSTITUTION OF TWO FLOWERING TREES OR TWO EVERGREEN TREES FOR EACH SHADE TREE MAY BE PERMITTED UP TO 50% OF THE REQUIRED NUMBER OF SHADE TREES SHOWN IN THE TABLE SUBJECT TO THE APPROVAL OF THE ARCHITECTURAL COMMITTEE. CREDIT MAY ALSO BE GIVEN FOR ANY AREAS REQUIRED TO BE PROVIDED ALONG ROADWAYS, SUBJECT TO THE APPROVAL OF THE ARCHITECTURAL COMMITTEE.



TREE PLANTING DETAIL
NOT TO SCALE

PLANTING SPECIFICATIONS

Plants, related material, and quantities shall meet the detailed description as given on the plans and as described herein. All plant material, unless otherwise specified, shall be nursery grown, uniformly branched, have a vigorous root system, and shall conform to the species, size, root and shape shown on the plan list and the American Association of Nurserymen (A.A.N.) standards. Plant material shall be healthy, vigorous, free from insects, decay, distorting roots, sun scald injuries, diseases of the bark, plant diseases, insect pest eggs, borers and all forms of insect infestations or objectionable infestations. Plant material that is weak or which has been cut back from larger grades to meet specified requirements will be rejected. Trees with forked leaders will not be accepted. All plants shall be freshly dug, no heated-in plants from cold storage will be accepted. Unless otherwise specified, all general conditions, planting operations, details and planting specifications shall conform to "Landscape Specification Guidelines for Residential/Commercial/Industrial/Institutional Landscaping" approved by the Landscape Contractors Association of Maryland and the Potomac Chapter of the American Society of Landscape Architects, latest edition, including all supplements.

Contractor shall be required to guarantee all plant material for a period of one year after date of acceptance in accordance with the appropriate section of the Landscape Guidelines. Contractor's attention is directed to the maintenance requirements found within the one year specifications including watering and replacement of specified plant material.

Contractor shall be responsible for notifying utility companies, utility contractors and "This Utility" a minimum of 48 hours prior to beginning any work. Contractor may make minor adjustments in spacing and location of plant material to avoid conflicts with utilities. Damage to existing structure and utilities shall be repaired at the expense of the Contractor.

Protection of existing vegetation to remain shall be accomplished by the temporary installation of 4 foot high snow fence or three orange safety fence at the dip line.

Contractor is responsible for installing all material in the proper planting position for each plant type. All planting is to be completed within the growing season of completion of site construction.

But shall be based on actual site conditions. No extra payment shall be made for work arising from site conditions differing from those indicated on drawings and specifications.

Plant quantities are provided for the convenience of the contractor only. If discrepancies exist between quantities shown on plan and those shown on the plant list, the quantities on the plant list shall prevail.

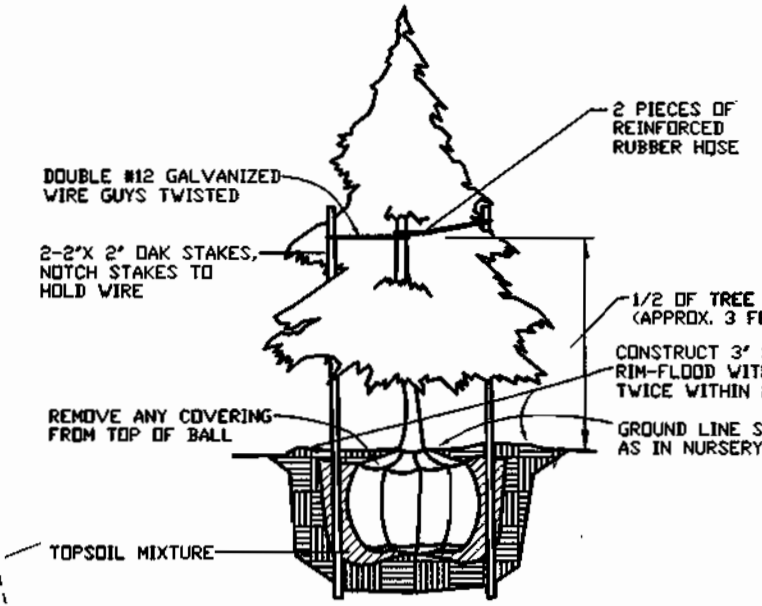
All shrubs shall be planted in continuous berms or prepared planting beds and mulched with composted hardwood mulch as details and specified except where noted on plans.

Positive drainage shall be maintained in planting beds 2 percent slope.

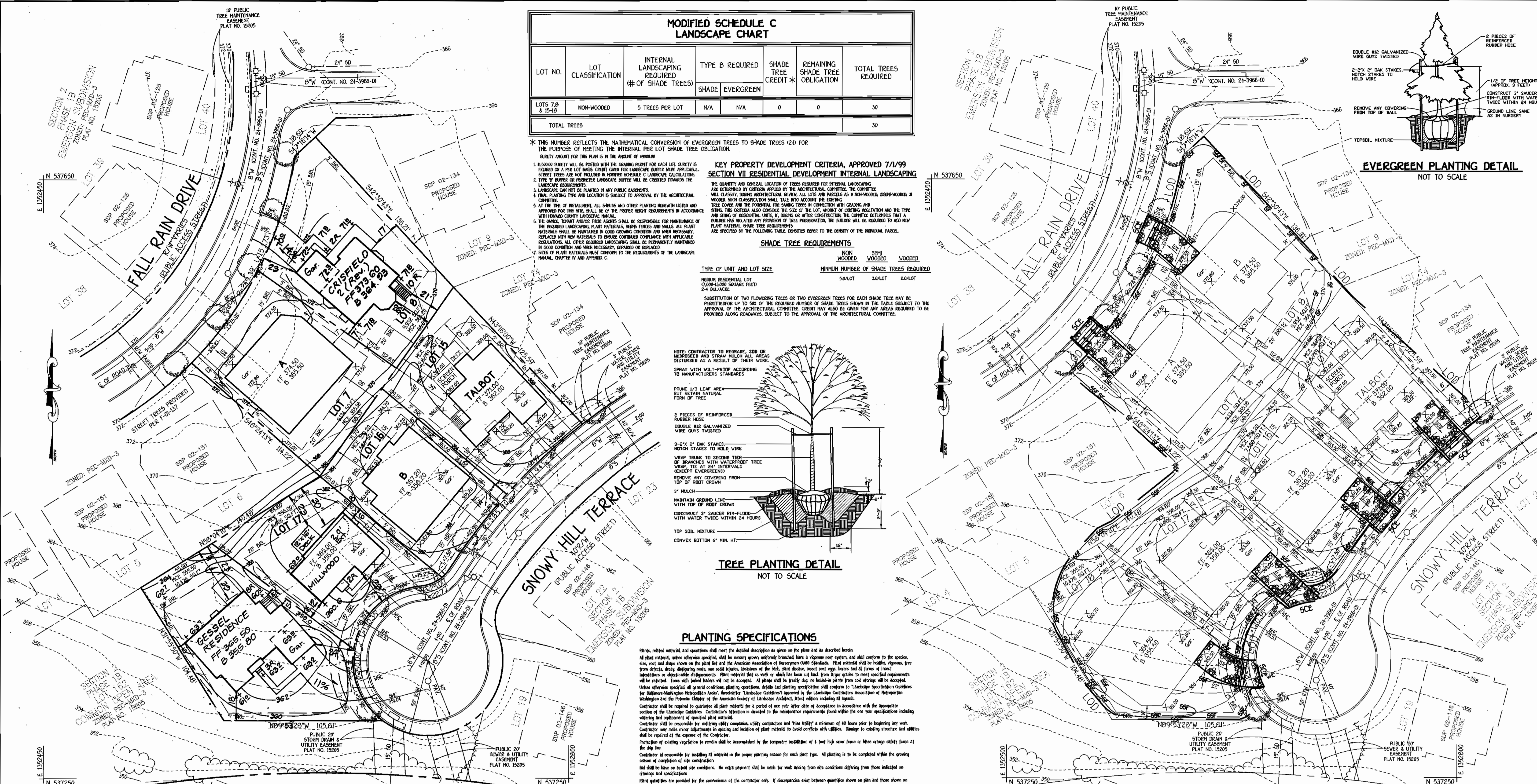
Planting mix shall be as follows: Discarded Plants - Two parts topsoil, one part well-rotted cow or horse manure. Add 3 lbs. of slow release fertilizer per cubic yard of planting mix. Evergreen Plants - Two parts topsoil, one part loam or other approved organic material. Add 3 lbs. of evergreen grade fertilizer per cubic yard of planting mix. Topsoil shall conform to the Landscape Guidelines.

Wood Control: Incorporate a pre-emergent herbicide into the planting bed following recommended rates on the label. Caution: Be sure to carefully check the chemical used to assure its adaptability to the specific ground cover to be treated.

All areas within confined limits designated during or prior to construction not designated to receive plants and mulch shall be fine graded and seeded. This plan is intended for landscape use only; other plan sheets for more information on grading, sediment control, erosion, etc.



EVERGREEN PLANTING DETAIL
NOT TO SCALE



BUILDER/DEVELOPER'S CERTIFICATE
I/WE CERTIFY THAT THE REQUIRED LANDSCAPING WILL BE DONE ACCORDING TO THE PLAN, SECTION 16.124 OF THE HOWARD COUNTY SUBDIVISION AND LAND DEVELOPMENT REGULATIONS AND THE LANDSCAPE MANUAL. I/WE FURTHER CERTIFY THAT UPON COMPLETION, A CERTIFICATION OF LANDSCAPE INSTALLATION ACCOMPANIED BY AN EXECUTED ONE YEAR GUARANTEE OF PLANT MATERIALS, WILL BE SUBMITTED TO THE DEPARTMENT OF PLANNING AND ZONING.

NAME: Harry Bowie
DATE: 8-2-02

SKYLARK BOULEVARD
60'R/W
(MAJOR COLLECTOR)

ENGINEER'S CERTIFICATE
I certify that this plan for erosion and sediment 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 of Engineer: [Signature] 8/2/02
CHARLES J. GROVO, SR.
DATE

DEVELOPER'S CERTIFICATE
I/We certify that all development and construction will be done according to this plan, for sediment and erosion control and that any 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.

Signature of Developer: Harry Bowie 8-2-02
HARRY BOWIE
DATE

Reviewed for HOWARD SCD and meets Technical Requirements.
Jim Meyer 8/19/02
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. Robinson 8/19/02
HOWARD SCD

OWNER
THE HOWARD RESEARCH & DEVELOPMENT CORP.
10275 LITTLE PATUXENT PARKWAY
COLUMBIA, MARYLAND 21044
410-992-6000

BUILDER/DEVELOPER
NU-HOMES
10630 LITTLE PATUXENT PARKWAY
COLUMBIA, MARYLAND 21044
410-730-2100

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
[Signature] 8/21/02
Chief, Division of Land Development
[Signature] 8/21/02
Chief, Development Engineering Division
[Signature] 8/23/02
Director, Department of Planning and Zoning

PROJECT: EMERSON SECTION: 2/18 LOTS NO.: 7,8 & 15-18

PLAT: 15205 BLOCK NO.: 8 & 9 ZONE: PEC-MXD-3 TAX/ZONE: 47 ELEC. DIST.: 6 CENSUS TR.: 6068.02

WATER CODE: E-15 SEWER CODE: 7640000

SITE DEVELOPMENT & SEDIMENT/EROSION CONTROL PLAN & LANDSCAPE NOTES & DETAILS

SINGLE FAMILY DETACHED
EMERSON
SECTION 2 PHASE 1B
LOTS 7,8 & 15-18

TAX MAP No: 47 PARCEL: 3 & B37 GRID B
SIXTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
SCALE: 1" = 30' DATE: MAY, 2002

SHEET 2 OF 3 SDP-02-128

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTRAL SQUARE OFFICE PARK - 10722 BALTIMORE NATIONAL PIKE
ELLSWORTH CITY, MARYLAND 21042
410-468-2955

NO.	REVISION	DATE
3	Rev. hse. & ord. lot 8	9-18-02
2	Rev. hse. & ord. lot 17	7-22-02
1	Rev. hse. & ord. lot 18	10-22-02

MODIFIED SCHEDULE C LANDSCAPE CHART

LOT NO.	LOT CLASSIFICATION	INTERNAL LANDSCAPING REQUIRED (# OF SHADE TREES)	TYPE B REQUIRED		SHADE TREE CREDIT *	REMAINING SHADE TREE OBLIGATION	TOTAL TREES REQUIRED
			SHADE	EVERGREEN			
LOTS 7,8 & 15-18	NON-WOODED	5 TREES PER LOT	N/A	N/A	0	0	30
TOTAL TREES							30

* THIS NUMBER REFLECTS THE MATHEMATICAL CONVERSION OF EVERGREEN TREES TO SHADE TREES (2:1) FOR THE PURPOSE OF MEETING THE INTERNAL PER LOT SHADE TREE OBLIGATION.
SURETY AMOUNT FOR THIS PLAN IS IN THE AMOUNT OF \$9000.00

1. ALLSOLID SURETY WILL BE POSTED WITH THE GRADING PERMIT FOR EACH LOT. SURETY IS REQUIRED ON A PER LOT BASIS. CREDIT CREDIT FOR LANDSCAPE BUFFER: SEE APPLICABLE. STREET TREES ARE NOT INCLUDED IN REQUIRED SCHEDULE C LANDSCAPE CALCULATIONS.
2. TYPE 'B' BUFFER OR PERPETUAL LANDSCAPE BUFFER WILL BE CREDITED TOWARDS THE LANDSCAPE OBLIGATION.
3. LANDSCAPE CAN NOT BE PLANTED IN ANY PUBLIC EASEMENTS.
4. FINAL PLANTING TYPE AND LOCATION IS SUBJECT TO APPROVAL BY THE ARCHITECTURAL COMMITTEE.
5. AT THE TIME OF INSTALLMENT, ALL SHRUBS AND OTHER PLANTING RELEVANT LISTED AND APPROVED FOR THIS SITE SHALL BE OF THE PROPER HEIGHT REQUIREMENTS IN ACCORDANCE WITH HOWARD COUNTY LANDSCAPE MANUAL.
6. THE OWNER, TENANT AND/OR THEIR AGENTS SHALL BE RESPONSIBLE FOR MAINTENANCE OF THE REQUIRED LANDSCAPING PLANT MATERIALS, BROWN PESTS AND SHALL BE RESPONSIBLE FOR MAINTENANCE OF PLANT MATERIALS SHALL BE MAINTAINED IN GOOD GROWING CONDITION AND WHEN NECESSARY, REPLACED WITH NEW MATERIALS TO ENSURE COMPLIANCE WITH APPLICABLE REGULATIONS. ALL OTHER REQUIRED LANDSCAPING SHALL BE PERMANENTLY MAINTAINED IN GOOD CONDITION AND WHEN NECESSARY, REPAIRED OR REPLACED.
7. SIZES OF PLANT MATERIALS MUST CONFORM TO THE REQUIREMENTS OF THE LANDSCAPE MANUAL, CHAPTER 11 AND APPENDIX C.

KEY PROPERTY DEVELOPMENT CRITERIA, APPROVED 7/1/99 SECTION VII RESIDENTIAL DEVELOPMENT INTERNAL LANDSCAPING

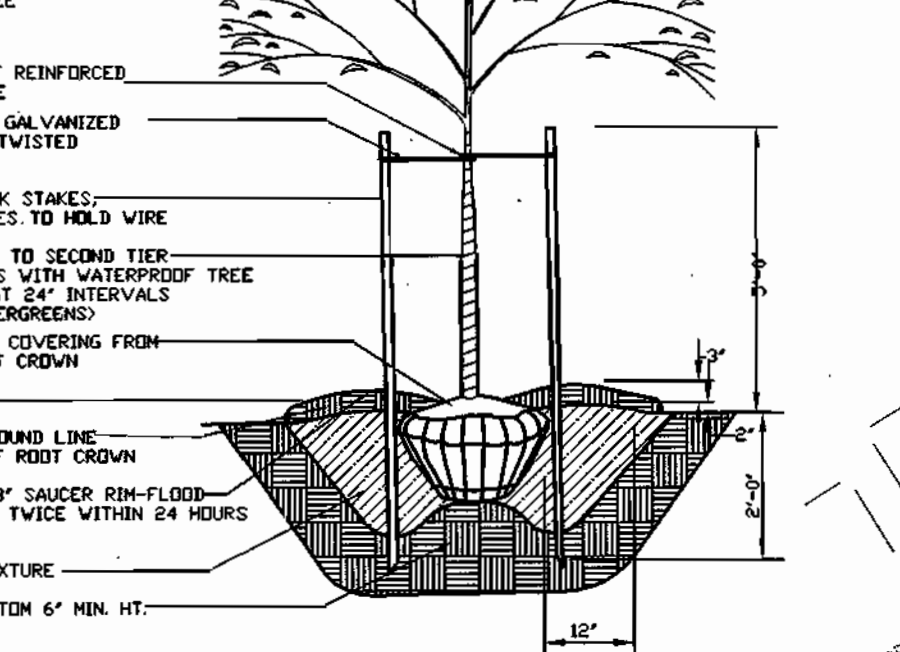
THE QUANTITY AND GENERAL LOCATION OF TREES REQUIRED FOR INTERNAL LANDSCAPING ARE DETERMINED BY CRITERIA APPLIED BY THE ARCHITECTURAL COMMITTEE. THE COMMITTEE WILL CLASSIFY, DURING ARCHITECTURAL REVIEW, ALL LOTS AND PARCELS AS A NON-WOODED 25000-WOODER 3 WOODED. SUCH CLASSIFICATION SHALL TAKE INTO ACCOUNT THE EXISTING TREE COVERAGE AND THE POTENTIAL FOR SAVING TREES IN CONNECTION WITH GRADING AND SITEWORK. THIS CRITERIA ALSO CONSIDERS THE SIZE OF THE LOT, AMOUNT OF EXISTING VEGETATION AND THE TYPE AND SENSITIVITY OF RESIDENTIAL UNITS. IF, DURING OR AFTER CONSTRUCTION, THE PUBLISHER HAS VIOLATED ANY PROVISION OF TREE PRESERVATION, THE PUBLISHER SHALL BE REQUIRED TO ADD NEW PLANT MATERIALS TO MEET TREE REQUIREMENTS. THE FOLLOWING TABLE DETERMINES THE DENSITY OF THE INDIVIDUAL PARCEL.

SHADE TREE REQUIREMENTS

TYPE OF UNIT AND LOT SIZE	MINIMUM NUMBER OF SHADE TREES REQUIRED		
	NON WOODED	SEMI WOODED	WOODED
MEDIUM RESIDENTIAL LOT (2000-4500 SQUARE FEET)	5/LOT	3/LOT	2/LOT
2-4 BAY/ACRE			

SUBSTITUTION OF TWO FLOWERING TREES OR TWO EVERGREEN TREES FOR EACH SHADE TREE MAY BE PERMITTED UP TO 50% OF THE REQUIRED NUMBER OF SHADE TREES SHOWN IN THE TABLE SUBJECT TO THE APPROVAL OF THE ARCHITECTURAL COMMITTEE. CREDIT MAY ALSO BE GIVEN FOR ANY AREAS REQUIRED TO BE PROVIDED ALONG ROADWAYS, SUBJECT TO THE APPROVAL OF THE ARCHITECTURAL COMMITTEE.

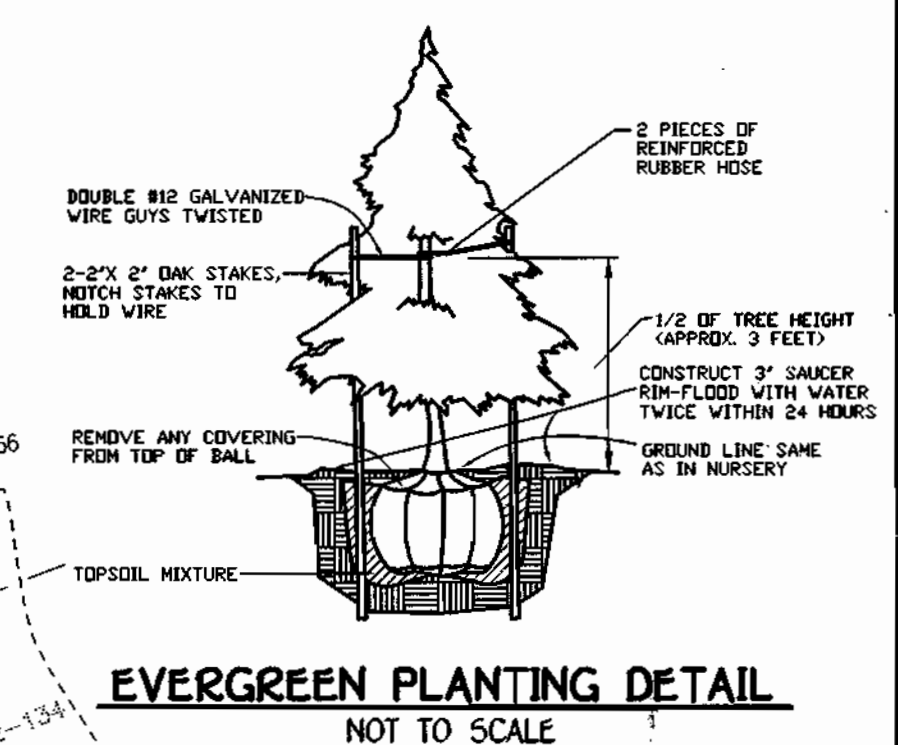
NOTE: CONTRACTOR TO REGRADE, SOD OR REBROADCAST AND STRAW MULCH ALL AREAS SUBJECT TO AS A RESULT OF THEIR WORK. SPRAY WITH WEED-PROOF ACCORDING TO MANUFACTURERS STANDARDS.



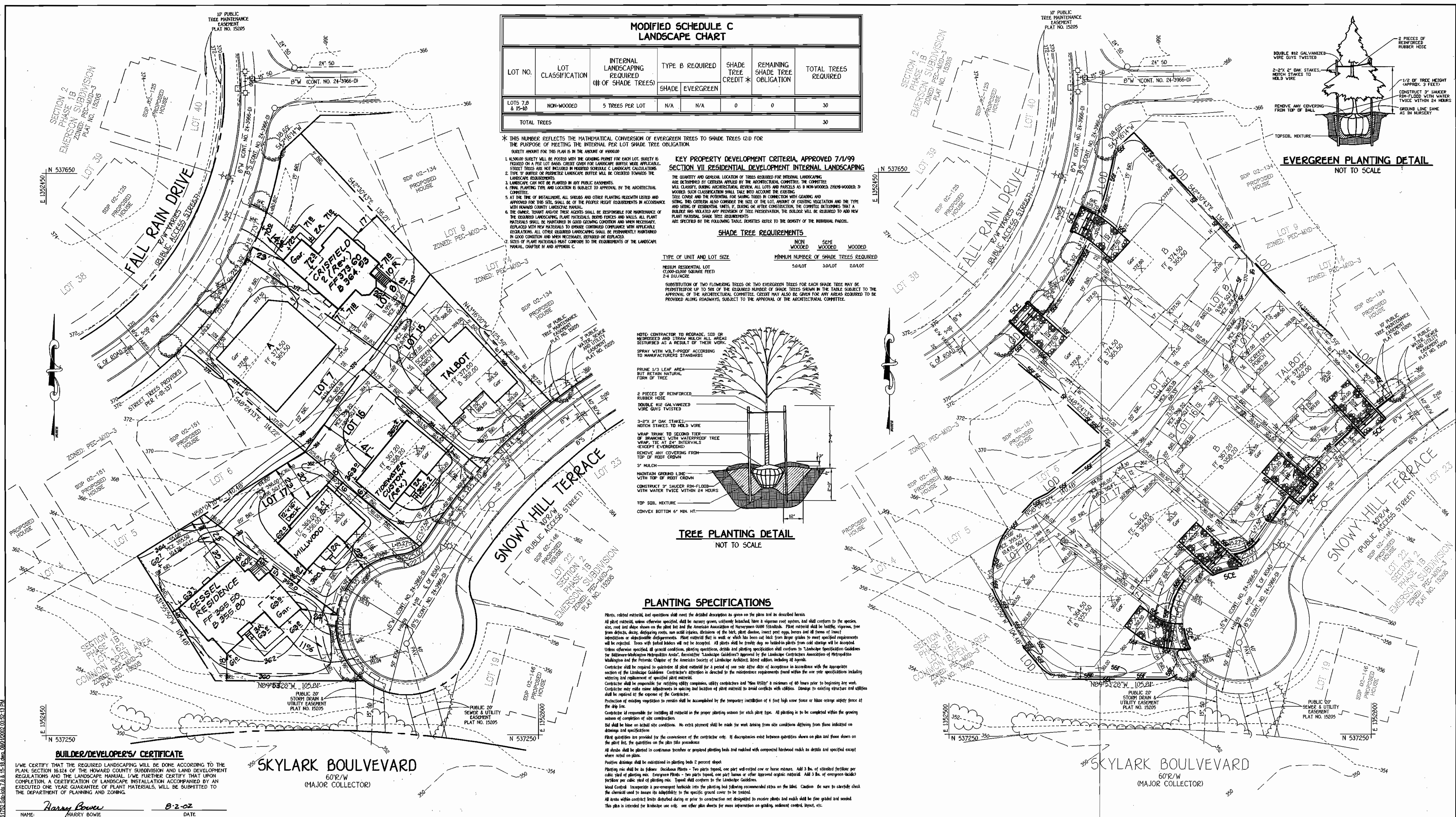
TREE PLANTING DETAIL
NOT TO SCALE

PLANTING SPECIFICATIONS

Plants, related material, and quantities shall meet the detailed description as given on the plan and as described herein. All plant material, unless otherwise specified, shall be nursery grown, uniformly branched, have a vigorous root system, and shall conform to the species, size, root and stem shown on the plan list and the American Association of Nurserymen (AAN) Standards. Plant material shall be healthy, vigorous, free from defects, decay, disfiguring roots, stem and foliage, absence of the bark, plant disease, insect pest eggs, borers and all forms of insect infestation or other undesirable damage. Plant material that is weak or which has been cut back from higher grades to meet specified requirements will be rejected. Trees with forked leaders will not be accepted. All plants shall be freshly dug, no heated-in plants from cold storage will be accepted. Unless otherwise specified, all general conditions, planting operations, details and planting specifications shall conform to "Landscape Specification Guidelines for Baltimore-Washington Metropolitan Area", Revised "Landscape Guidelines" approved by the Landscape Contractors Association of Metropolitan Washington and the Potomac Chapter of the American Society of Landscape Architects, latest edition, including all appendices. Contractor shall be required to guarantee all plant material for a period of one year after date of acceptance in accordance with the appropriate section of the Landscape Guidelines. Contractor's attention is directed to the maintenance requirements found within the one year specifications including watering and replacement of specified plant material. Contractor shall be responsible for notifying utility companies, utility contractors and "Tree Utility" a minimum of 48 hours prior to beginning any work. Contractor may make minor adjustments in spacing and location of plant material to avoid conflicts with utilities. Damage to existing structure and utilities shall be repaired at the expense of the Contractor. Protection of existing vegetation to remain shall be accomplished by the temporary installation of 4 foot high snow fence or 6 foot orange safety fence at the drip line. Contractor is responsible for installing all material in the proper planting season for each plant type. All planting is to be completed within the growing season of completion of site construction. Bid shall be based on actual site conditions. No extra payment shall be made for work arising from site conditions differing from those indicated on drawings and specifications. Plant quantities are provided for the convenience of the contractor only. If discrepancies exist between quantities shown on plan and those shown on the plan list, the quantities on the plan list shall prevail. All shrubs shall be planted in continuous benches or prepared planting beds and mulched with composted hardwood mulch as detailed and specified except where noted on plans. Positive drainage shall be maintained in planting beds 2 percent slope. Planting mix shall be as follows: Deciduous Plants - Two parts topsoil, one part well-rotted cow or horse manure. Add 3 lbs. of extended release fertilizer per cubic yard of planting mix. Upright Plants - Two parts topsoil, one part horse or other approved organic material. Add 3 lbs. of extended release fertilizer per cubic yard of planting mix. Topsoil shall conform to the Landscape Guidelines. Weed Control: Incorporate a pre-emergent herbicide into the planting bed following recommended rates on the label. Caution the user to carefully check the chemical used to insure its applicability to the specific ground cover to be treated. All areas within contour lines depicted during or prior to construction and designated to receive plants and mulch shall be fine graded and seeded. This plan is intended for reference use only. See other plan sheets for more information on grading, sediment control, layout, etc.



EVERGREEN PLANTING DETAIL
NOT TO SCALE



BUILDER/DEVELOPER'S CERTIFICATE
I/WE CERTIFY THAT THE REQUIRED LANDSCAPING WILL BE DONE ACCORDING TO THE PLAN, SECTION 16124 OF THE HOWARD COUNTY SUBDIVISION AND LAND DEVELOPMENT REGULATIONS AND THE LANDSCAPE MANUAL. I/WE FURTHER CERTIFY THAT UPON COMPLETION, A CERTIFICATION OF LANDSCAPE INSTALLATION ACCOMPANIED BY AN EXECUTED ONE YEAR GUARANTEE OF PLANT MATERIALS, WILL BE SUBMITTED TO THE DEPARTMENT OF PLANNING AND ZONING.
NAME: Harry Bowe DATE: 8-2-02

SKYLARK BOULEVARD
60'R/W
(MAJOR COLLECTOR)

ENGINEER'S CERTIFICATE
I certify that this plan for erosion and sediment 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 of Engineer: Charles J. Crovo, Sr. DATE: 8/16/02
DEVELOPER'S CERTIFICATE
I/We certify that all development and construction will be done according to this plan, for sediment and erosion control and that any responsible person(s) responsible for 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.
Signature of Developer: Harry Bowe DATE: 8-2-02

APPROVED FOR HOWARD SCD AND MEETS TECHNICAL REQUIREMENTS.
Signature of Engineer: Jim Myers DATE: 8/19/02
Signature of Developer: John R. Robertson DATE: 8/19/02
OWNER
THE HOWARD RESEARCH & DEVELOPMENT CORP.
10275 LITTLE PATUXENT PARKWAY
COLUMBIA, MARYLAND 21044
410-992-6000
BUILDER/DEVELOPER
NU-HOMES
10630 LITTLE PATUXENT PARKWAY
COLUMBIA, MARYLAND 21044
410-730-2100

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

Signature: Keith Stalder DATE: 8/21/02
Signature: John R. Robertson DATE: 8/21/02
Signature: John R. Robertson DATE: 8/23/02

PROJECT	SECTION	LOTS NO.
EMERSON	2/1B	7,8 & 15-18

PLAT	BLOCK NO.	ZONING	TAX/ZONE	ELEC. DIST.	CENSUS TR.
15205	8 & 9	PEC-MXD-3	47	6	6068.02

WATER CODE: E-15 SEWER CODE: 7640000

SITE DEVELOPMENT & SEDIMENT/EROSION CONTROL PLAN & LANDSCAPE NOTES & DETAILS

SINGLE FAMILY DETACHED
EMERSON
SECTION 2 PHASE 1B
LOTS 7,8 & 15-18
TAX MAP No: 47 PARCEL: 3 & 837 GRID B
SIXTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
SCALE: 1" = 30' DATE: MAY, 2002
SHEET 2 OF 3 SDP-02-128

NO.	REVISION	DATE
4	Rev. hse. & grd. lot 16	11-26-03
3	Rev. hse. & grd. lot 8	9-18-03
2	Rev. hse. & grd. lot 17	7-22-03
1	Rev. hse. & grd. lot 18	10-22-02

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTRAL SQUARE OFFICE BLDG. #10275 BALTIMORE NATIONAL FREE
ELICOTT CITY, MARYLAND 21042
410-961-2050

