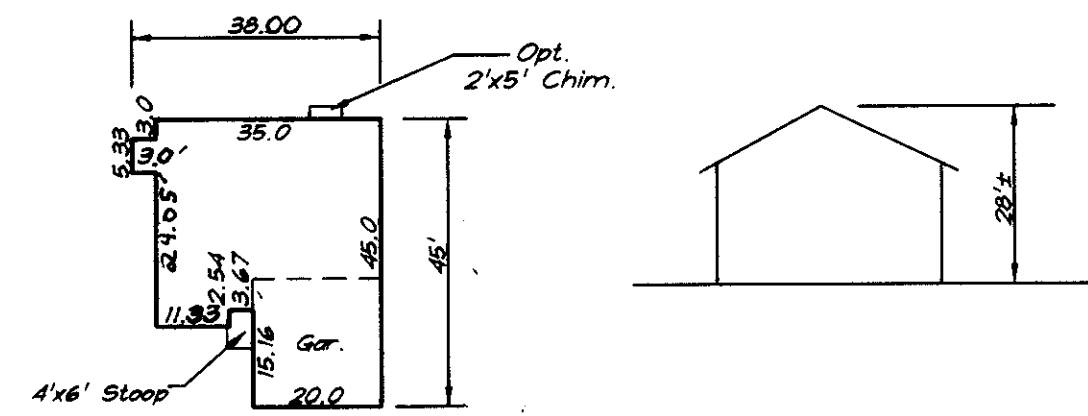
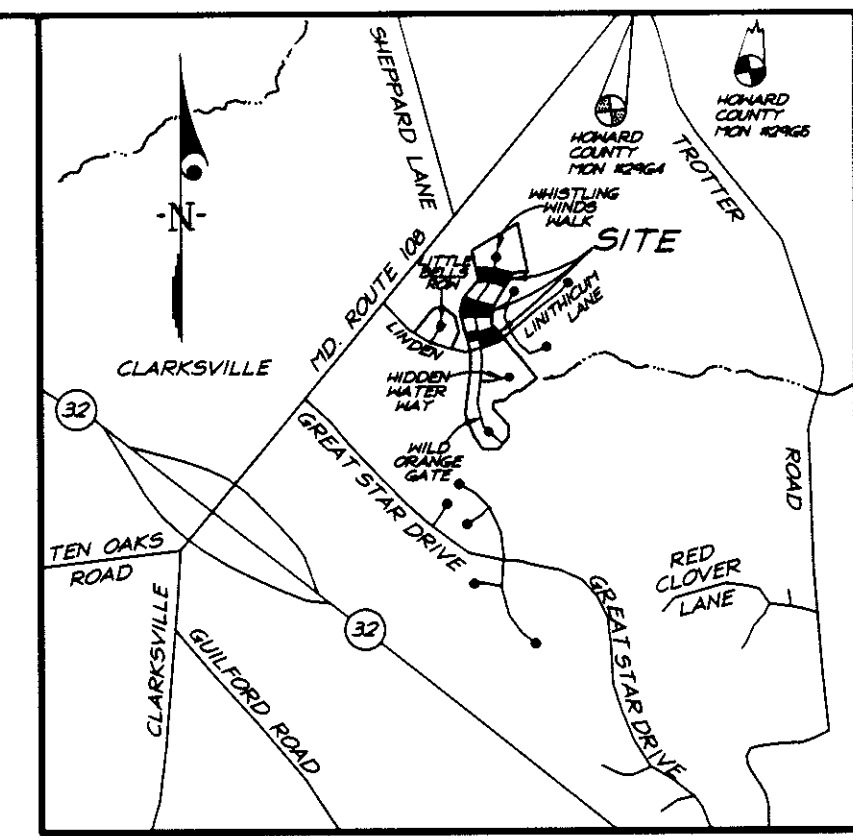
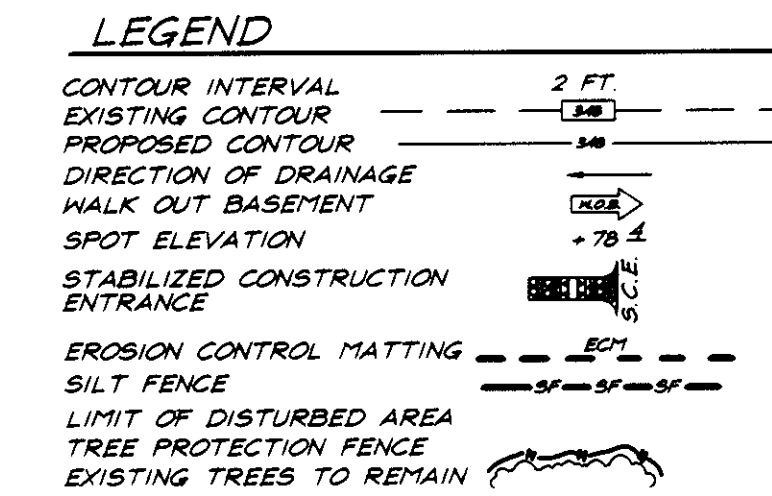


SUTTON
 1559.27 SF = 5197.57 SF
 0.3 Min. Lot Size w/all Options
 1719.27 SF = 5730.90 SF
 0.3 Min. Lot Size w/all Options w/Opt. 10'x16' Deck



FENWICK
 1506.34 SF = 5021.13 SF
 0.3 Min. Lot Size w/all Options
 1666.34 SF = 5554.47 SF
 0.3 Min. Lot Size w/all Options w/Opt. 10'x16' Deck

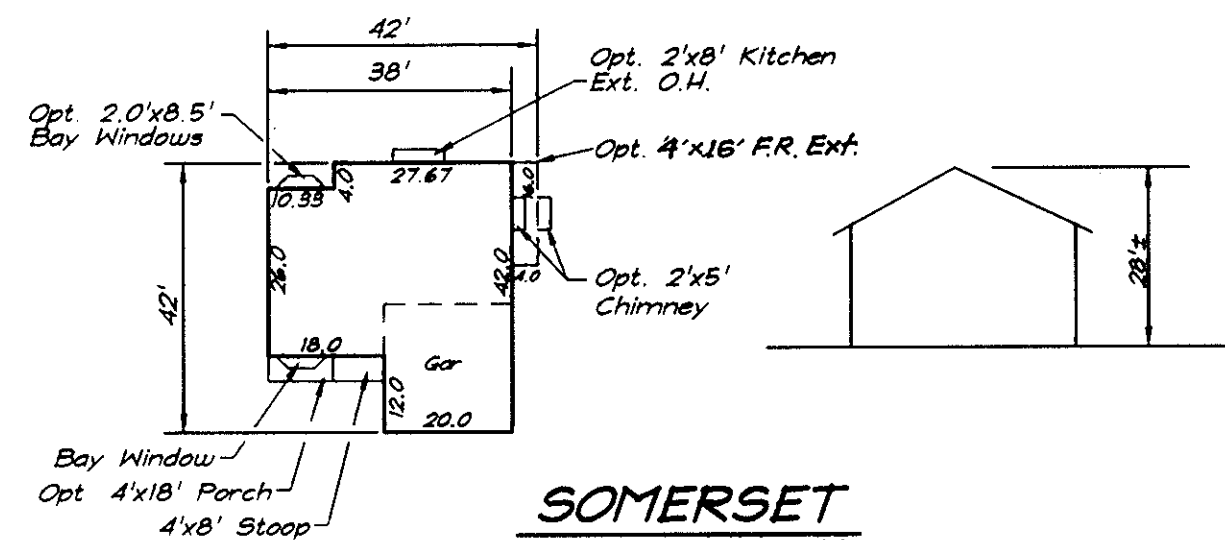
LOT NUMBER	STREET ADDRESS
11	5700 WHISTLING WINDS WALK
12	5713 WHISTLING WINDS WALK
15	5725 WHISTLING WINDS WALK
16	5725 WHISTLING WINDS WALK
17	5733 WHISTLING WINDS WALK
20	5745 WHISTLING WINDS WALK
21	5740 WHISTLING WINDS WALK
38	5740 WHISTLING WINDS WALK
39	5736 WHISTLING WINDS WALK
42	5724 WHISTLING WINDS WALK
43	5720 WHISTLING WINDS WALK
47	5704 WHISTLING WINDS WALK
48	5700 WHISTLING WINDS WALK



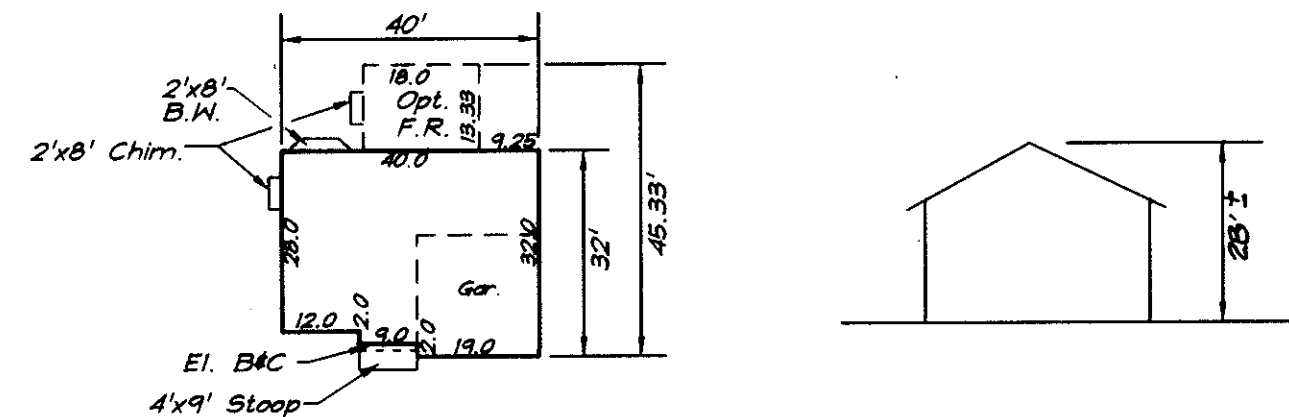
VICINITY MAP
 Scale: 1"=2000'

SHEET INDEX	
DESCRIPTION	SHEET NO.
SITE DEVELOPMENT PLAN	1 AND 2
SEDIMENT AND EROSION CONTROL PLAN	3
SEDIMENT AND EROSION CONTROL DETAILS	4

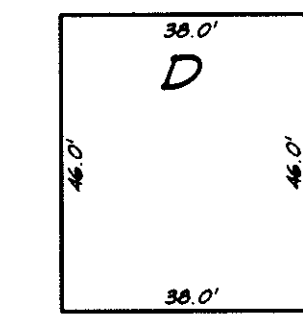
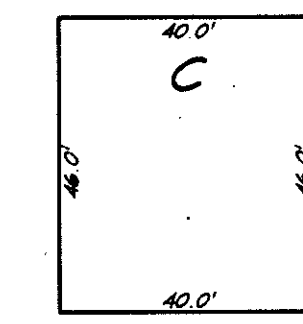
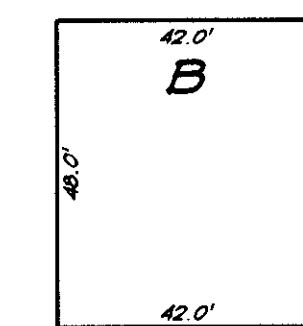
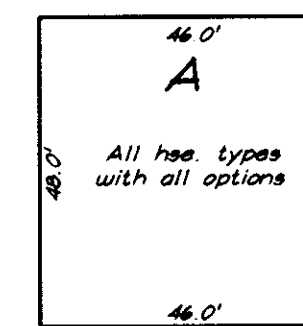
BENCHMARKS:
 Howard County Monument 29G4
 Intersection of MD. Route 108 and Trotter Road
 Howard County Monument 29G5
 an additional 2,544' Northeastly along MD. Route 108 away from Site



SOMERSET
 1592.36 SF = 5307.87 SF
 0.3 Min. Lot Size w/all Options
 1752.36 SF = 5841.20 SF
 0.3 Min. Lot Size w/all Options w/Opt. 10'x16' Deck

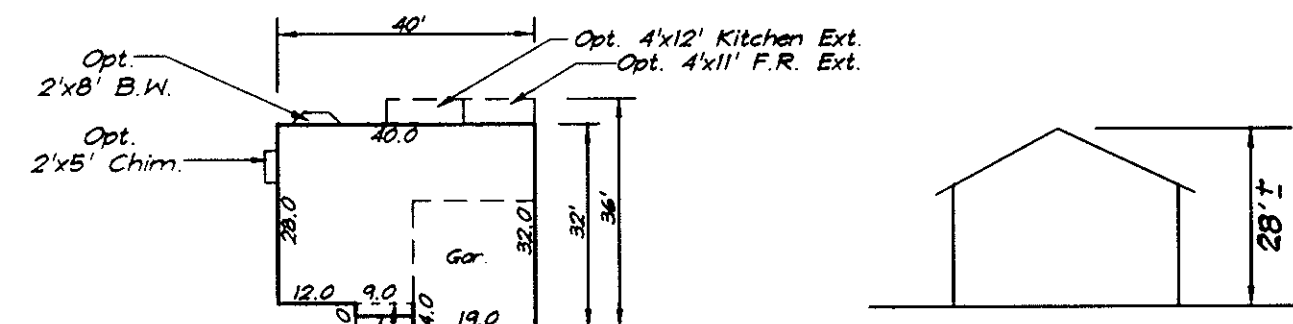


GARRISON
 1568 SF = 5227 SF
 0.3 Min. Lot Size w/all Options
 1728 SF = 5760 SF
 0.3 Min. Lot Size w/all Options w/Opt. 10'x16' Deck

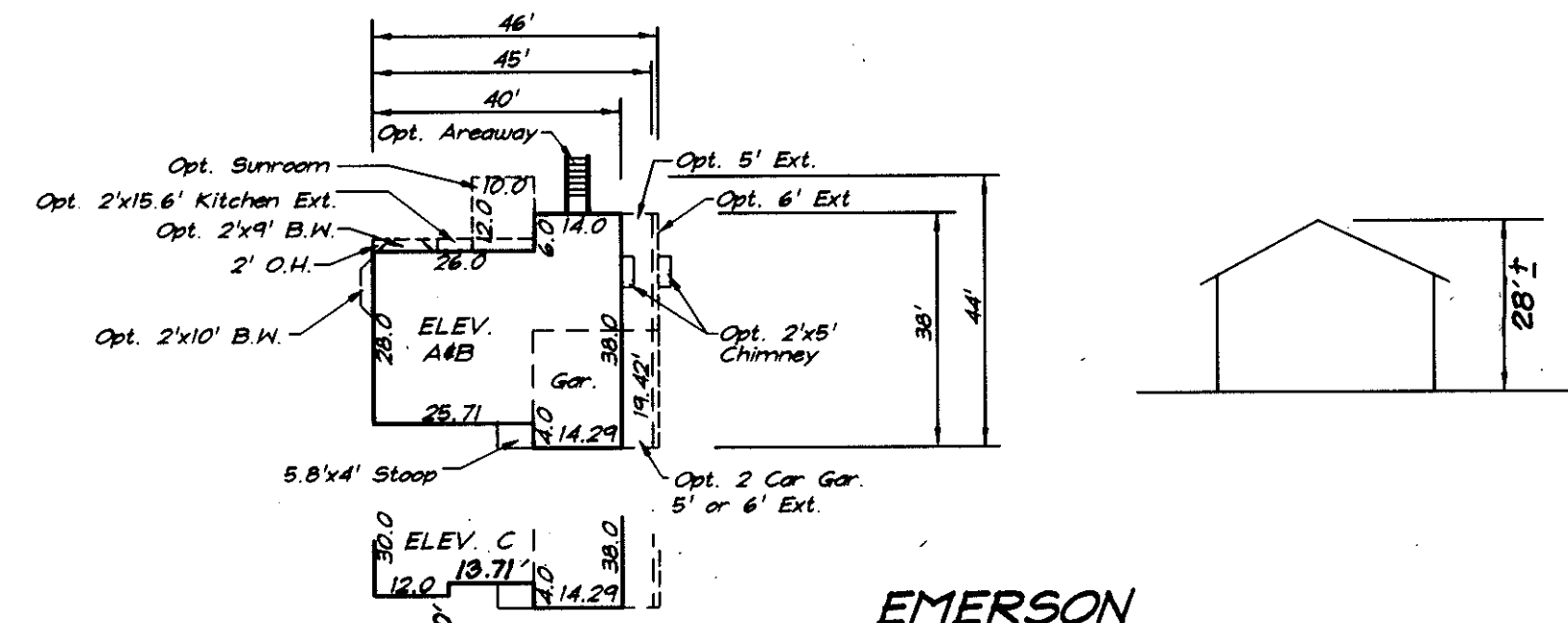


GENERAL NOTES:

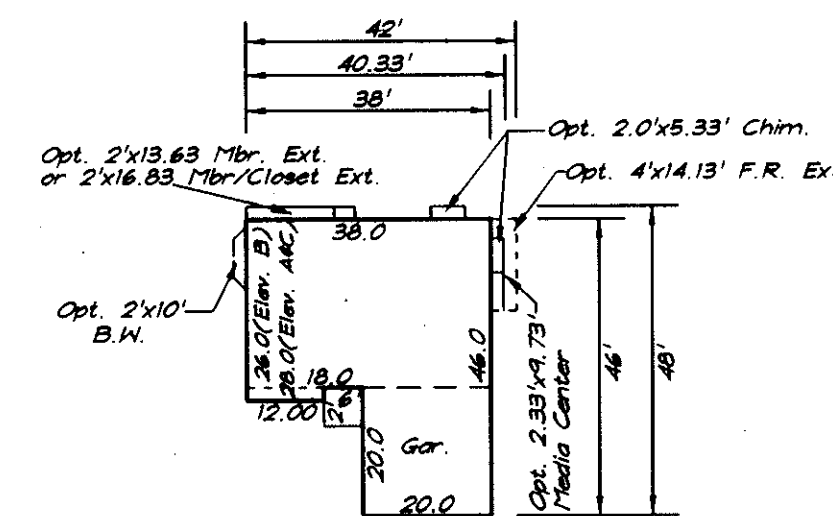
- Subject property is zoned: NTSFLD per 10-18-93 Comprehensive Zoning Plan.
- The total area included in this submission is: 2.36 Acres.
- The total number of lots included in this submission is: 13
- Improvement to property: Single Family Detached
- The maximum lot coverage permitted is: 30%
- Department of Planning and Zoning reference file numbers: S-93-21, P-95-12, F-96-102, F-98-122.
- Utilities shown as existing are taken from approved Water and Sewer plans Contract #34-3586-D approved Road Construction plans F-96-102, 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 field run by Clark, Finefrock and Sackett, Inc., on Feb, 1999
- The coordinates shown hereon are based upon the Howard County Geodetic Control which is based upon the Maryland State Plane Coordinate System - Howard County Monuments Numbers: 29G4 & 29G5
- The contractor shall notify the Department of Public Works/ Sewer plans Contract #34-3586-D approved Road Construction plans F-96-102, and actual field survey.
- 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 FDP-Phase 222 - A Part II 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. Exterior stairways may not project into any setbacks.
- Stormwater Management is provided per: F-96-102.
- SHC Elevations shown are at the Property lines.
- Quantity Stormwater Management for Section 4, Area 5 is provided by three facilities; the refurbished SWM Pond #1 South of Linden Linthicum Lane (F-96-89), The culvert at Great Star Drive (F-96-110) and SWM Pond #4 in Section 4, Area 4 (F-96-130). Quality Management for this section will be provided by three facilities: A forebay North of SWM Pond #1 (F-96-89), a shallow marsh facility at the end of Wild Orange Gate and an Extended Detention Facility within Pond #4 (F-96-130). The subdivision is located in the Patuxent River Area Sub-Basin and is a Class 1 Watershed.



GANNETT 2
 1444.00 SF = 4813.33 SF
 0.3 Min. Lot Size w/all Options
 1604.00 SF = 5346.67 SF
 0.3 Min. Lot Size w/all Options w/Opt. 10'x16' Deck



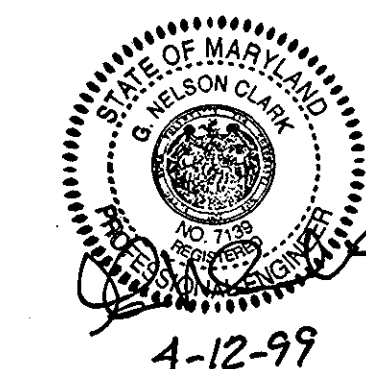
EMERSON
 1714 = 5714 SF Min. Lot Size w/1 Car Gar., Opt. S.R. and opt. 10'x16' Deck
 1943 = 6477 SF Min. Lot Size w/All options incl. 10'x16' Deck



CAMBRIDGE
 1637.50 SF = 5458.33 SF
 0.3 Min. Lot Size w/all Options
 1797.50 SF = 5991.67 SF
 0.3 Min. Lot Size w/all Options w/Opt. 10'x16' Deck

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-96-102 and/or approved Water and Sewer Plans Contract #34-3586-D.

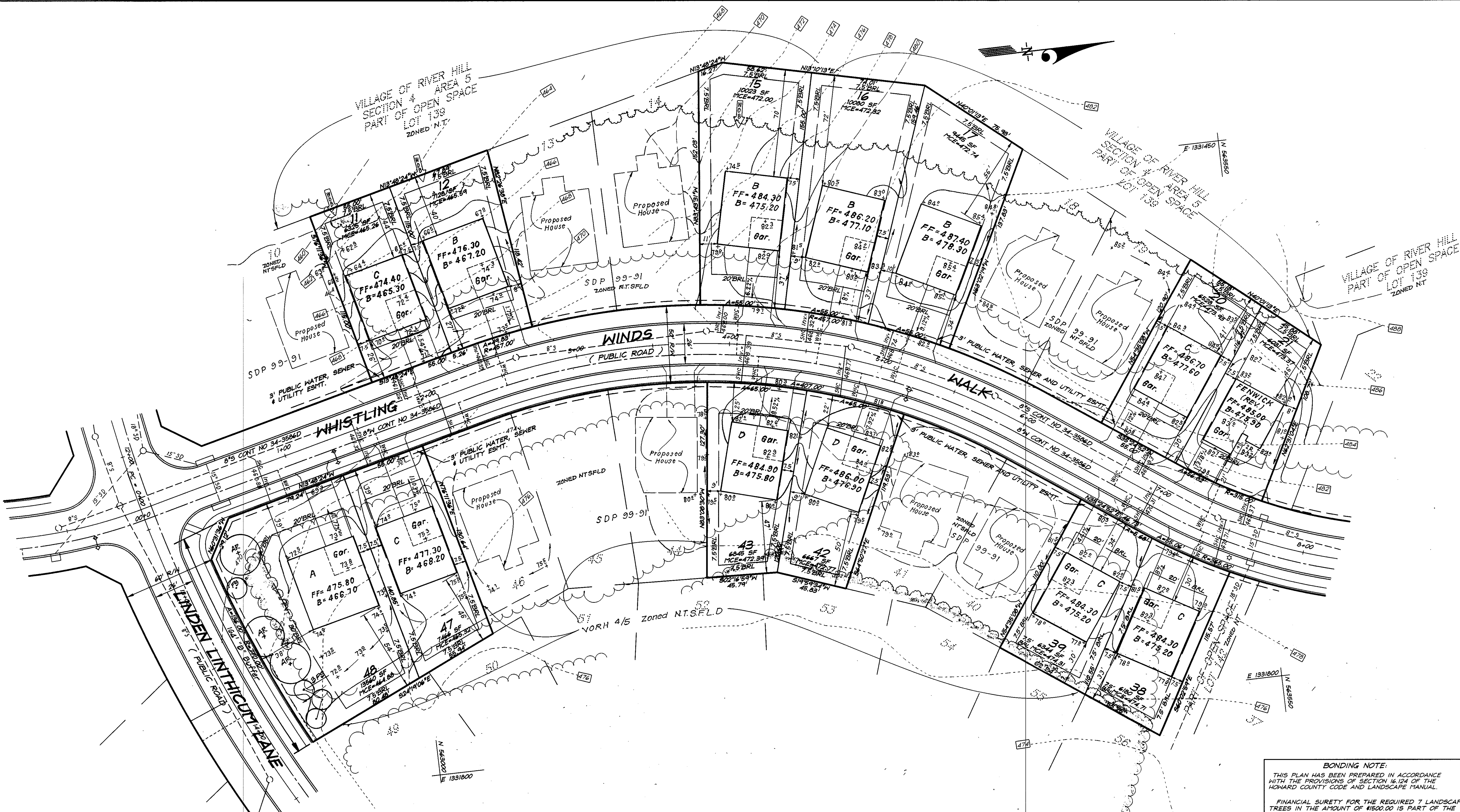


OWNER / DEVELOPER
 THE HOWARD RESEARCH AND DEVELOPMENT CORP.
 10275 LITTLE PATUXENT PARKWAY
 COLUMBIA, MARYLAND 21044

SUBDIVISION NAME	COLUMBIA VILLAGE OF RIVER HILL	SECTION/AREA	4/5	LOTS/PARCELS	11, 12, 15, 16, 17, 20, 21, 38, 39, 42, 43, 47 & 48
PLAT NO.	12856	BLOCK NO.	1	ZONE	NTSFLD
TAX MAP NO.	35	ELECTION DIST.	5TH	CENSUS TRACT	6055
WATER CODE	1-12	SEWER CODE	6652500		

CLARK • FINEFROCK & SACKETT, INC. ENGINEERS • PLANNERS • SURVEYORS		
7135 MINSTREL WAY • COLUMBIA, MD 21045 • (410) 381-7500 BALT. • (301) 621-8100 WASH.		
DESIGNED	SITE DEVELOPMENT PLAN	SCALE
DM	LOTS 11, 12, 15, 16, 17, 20, 21, 38, 39, 42, 43, 47 & 48	1" = 30'
DRAWN	COLUMBIA VILLAGE OF RIVER HILL	DRAWING
BLP/ZH		1 of 4
CHECKED	SECTION 4 AREA 5 FIFTH (5th) ELECTION DISTRICT HOWARD COUNTY, MARYLAND	JOB NO.
DM		99-008
DATE	FOR: RYLAND GROUP, INC. 7250 Parkway Drive Hanover, Maryland 21076	FILE NO.
3-1-99		99-008-x

APPROVED: DEPARTMENT OF PLANNING & ZONING
 [Signature] 4/20/99
 CHIEF, DEVELOPMENT ENGINEERING DIVISION
 [Signature] 4/23/99
 CHIEF, DIVISION OF LAND DEVELOPMENT
 [Signature] 4/28/99
 DIRECTOR



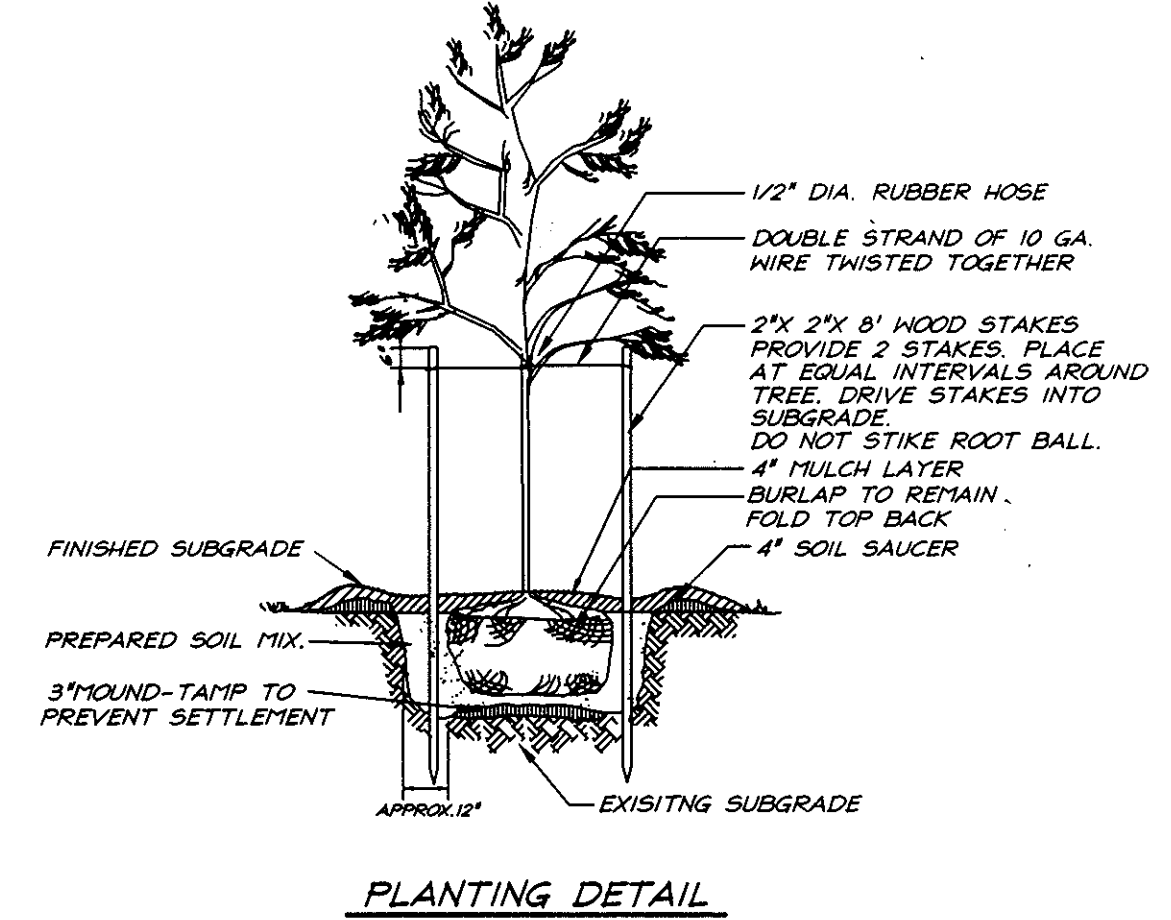
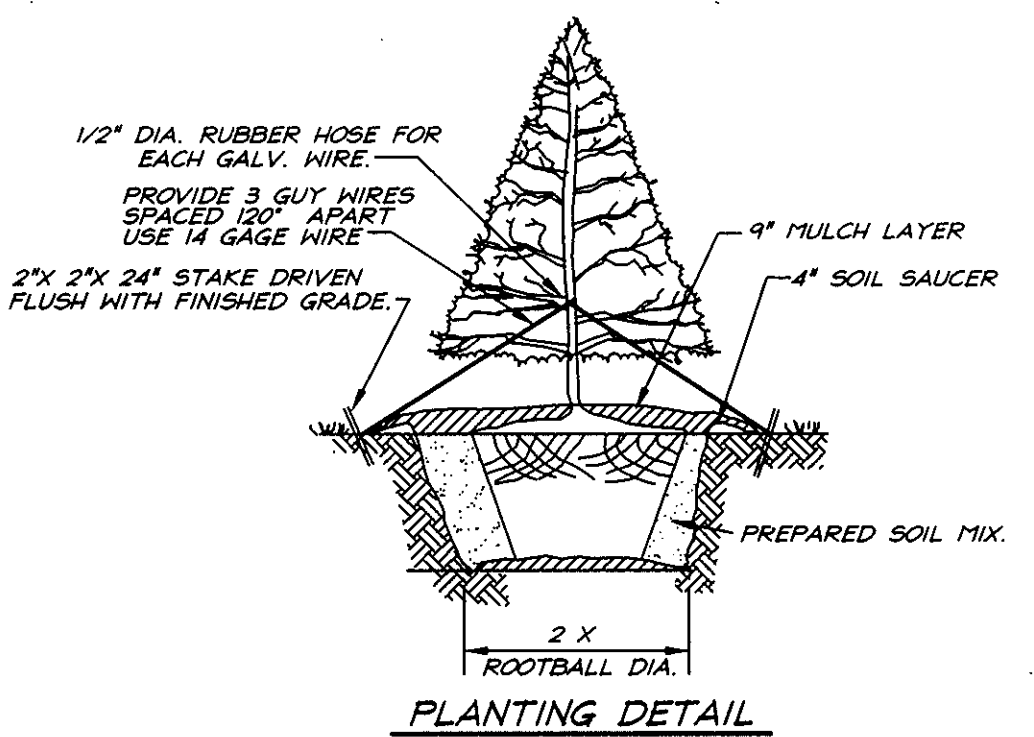
PLANT SCHEDULE				
KEY	PLANT NAME	SIZE	QUAN.	REMARK
(AR)	ACER RUBRUM	2 1/2"-3" CAL.	3	B&B HEAVY
(OR)	OCT. GLORY RED MAPLE	12-14" HT.	3	B&B HEAVY
(TP)	FINIS STOBUS	6'-8' HT.	4	B&B HEAVY
(W)	WHITE PINE			B&B HEAVY

NOTES:

- All plant materials shall be full and heavy, be well formed and symmetrical, conform to the most current AAN specifications and be installed in accordance with H&D planting specifications.
- Contractor shall verify location of all underground utilities prior to digging.
- Final location of plant material may need to vary to meet final field conditions. Trees shall not be planted in the bottom of drainage swales.

SCHEDULE A PERMETER LANDSCAPE EDGE				LOT
Category	Adjacent to Roadways			48
Landscape Type				B
Frontage/Perimeter				164
Number of Plants Required				
Shade Trees	(150)			3
Evergreen Trees	(140)			4
Number of Plants Provided				
Shade Trees				3
Evergreen Trees				4
Surety Amount				\$8000

* Comments: Planting to be provided per the New Town Alternative Compliance method.



BONDING NOTE:
THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 16.124 OF THE HOWARD COUNTY CODE AND LANDSCAPE MANUAL.
FINANCIAL SURETY FOR THE REQUIRED 7 LANDSCAPE TREES IN THE AMOUNT OF \$1500.00 IS PART OF THE BUILDERS GRADING PERMIT APPLICATION.

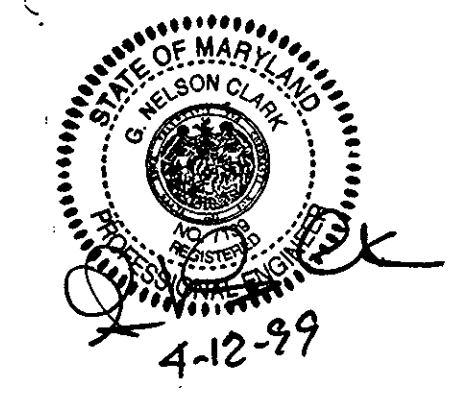
DEVELOPER'S/BUILDERS CERTIFICATE

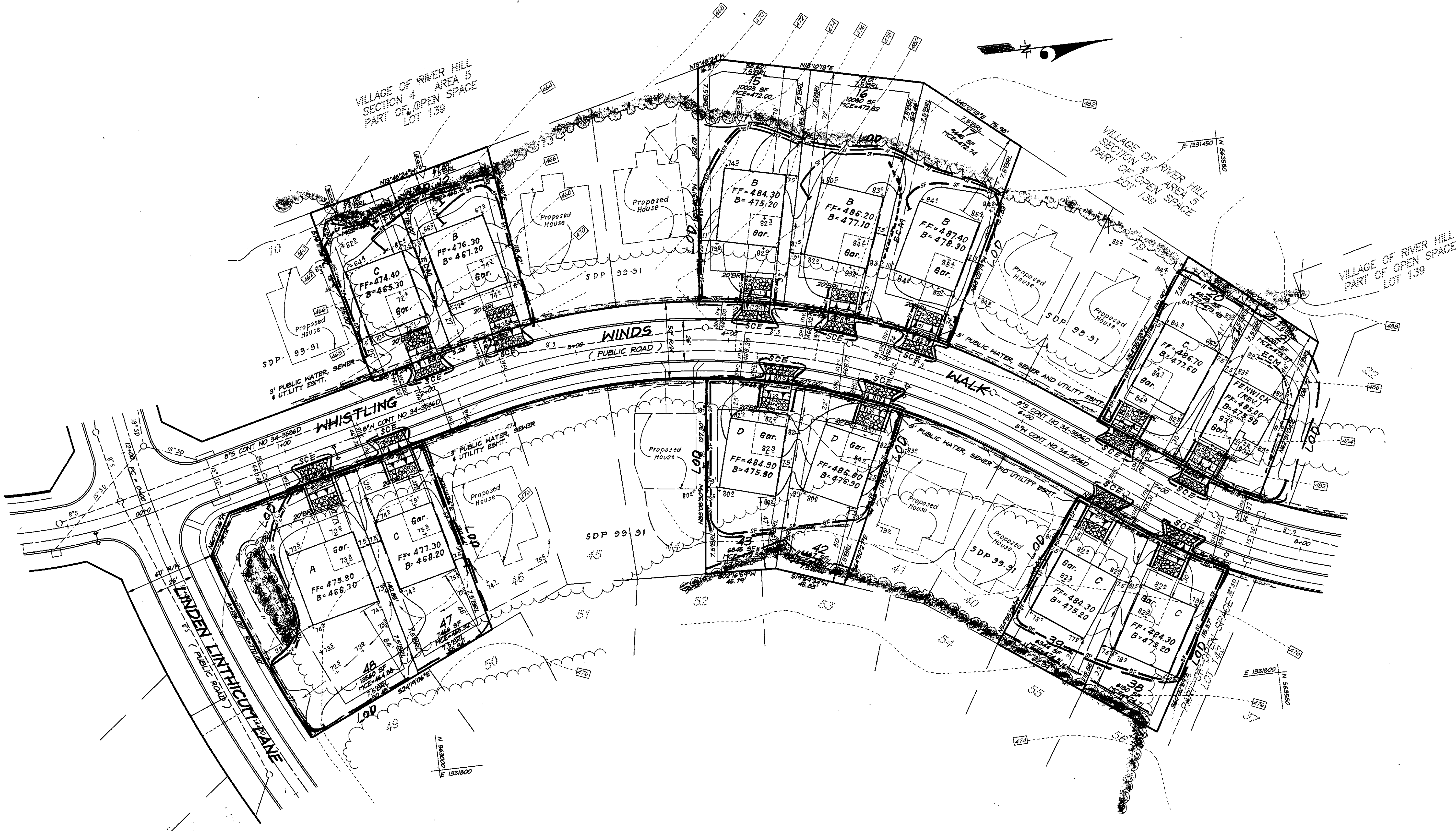
I/We certify that the landscaping shown on this plan will be done according to plan, section 16.124 of the Howard County Code and the Howard County Landscape Manual. I/We further certify that upon completion a Certificate of Landscape Installation, accompanied by an executed one year guarantee of plant materials, will be submitted to the Department of Planning and Zoning.

Name: Bob Padgett Date: 2-24-99

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

DESIGNED	SITE DEVELOPMENT PLAN		SCALE
DRAWN	LOTS 11, 12, 15, 16, 17, 20, 21, 38, 39, 42, 43, 47 & 48		1" = 30'
CHECKED	COLUMBIA VILLAGE OF RIVER HILL		DRAWING 2 of 4
DATE	SECTION 4 AREA 5 FIFTH (5th) ELECTION DISTRICT HOWARD COUNTY, MARYLAND		JOB NO. 99-008
	FOR: THE RYLAND GROUP, INC. 7250 Parkway Drive Hanover, Maryland 21076		FILE NO. 99-008X





VILLAGE OF RIVER HILL
SECTION 4 AREA 5
PART OF OPEN SPACE
LOT 139

VILLAGE OF RIVER HILL
SECTION 4 AREA 5
PART OF OPEN SPACE
LOT 139

VILLAGE OF RIVER HILL
SECTION 4 AREA 5
PART OF OPEN SPACE
LOT 139

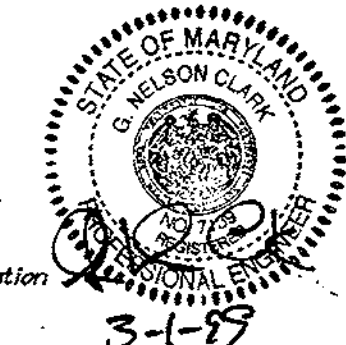
OWNER / DEVELOPER
THE HOWARD RESEARCH AND DEVELOPMENT CORP.
10275 LITTLE PATUXENT PARKWAY
COLUMBIA, MARYLAND 21044

APPROVED: DEPARTMENT OF PLANNING & ZONING
[Signature] 4/23/99
 CHIEF, DEVELOPMENT ENGINEERING DIVISION
[Signature] 4/23/99
 CHIEF, DIVISION OF LAND DEVELOPMENT
[Signature] 4/23/99
 DIRECTOR

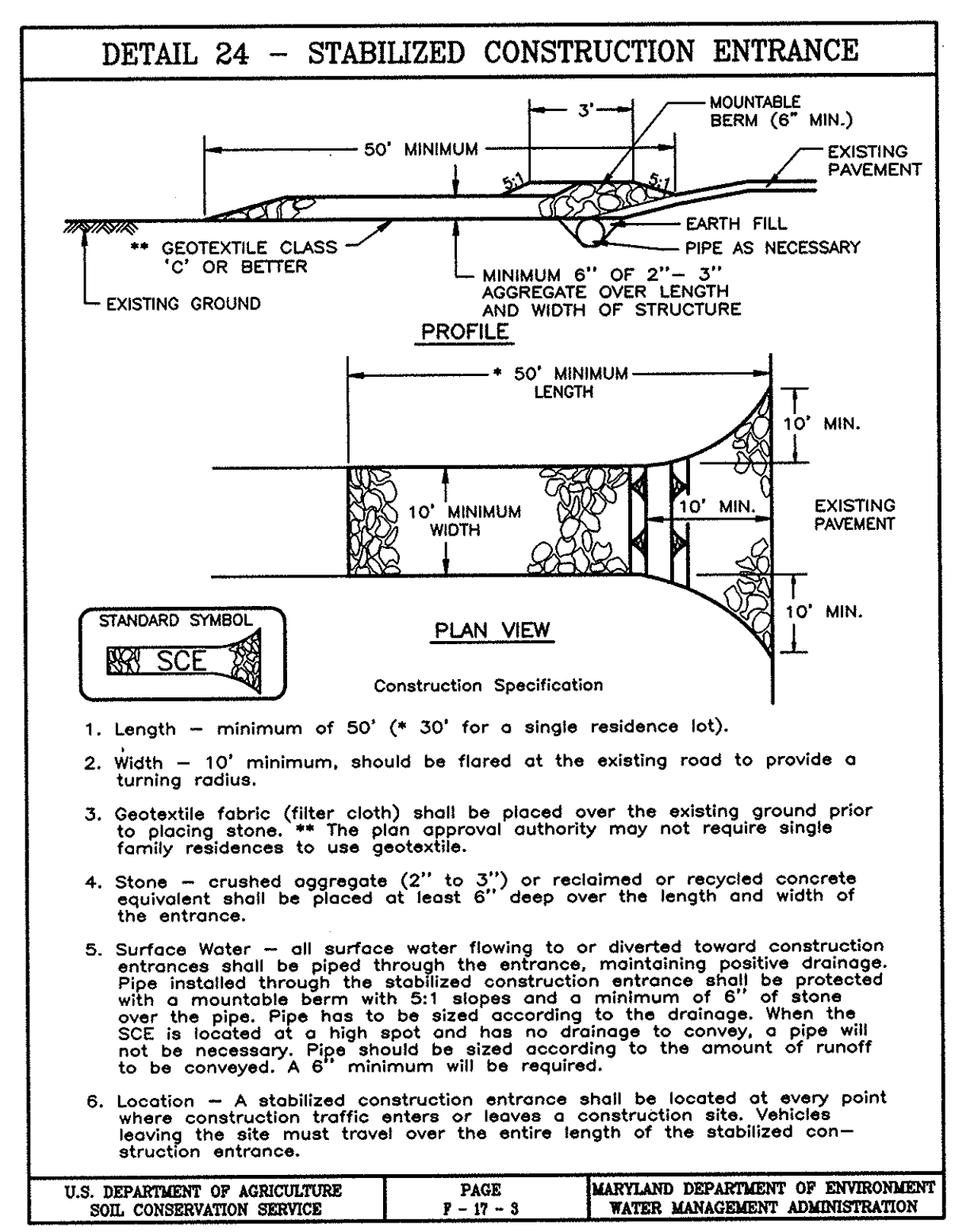
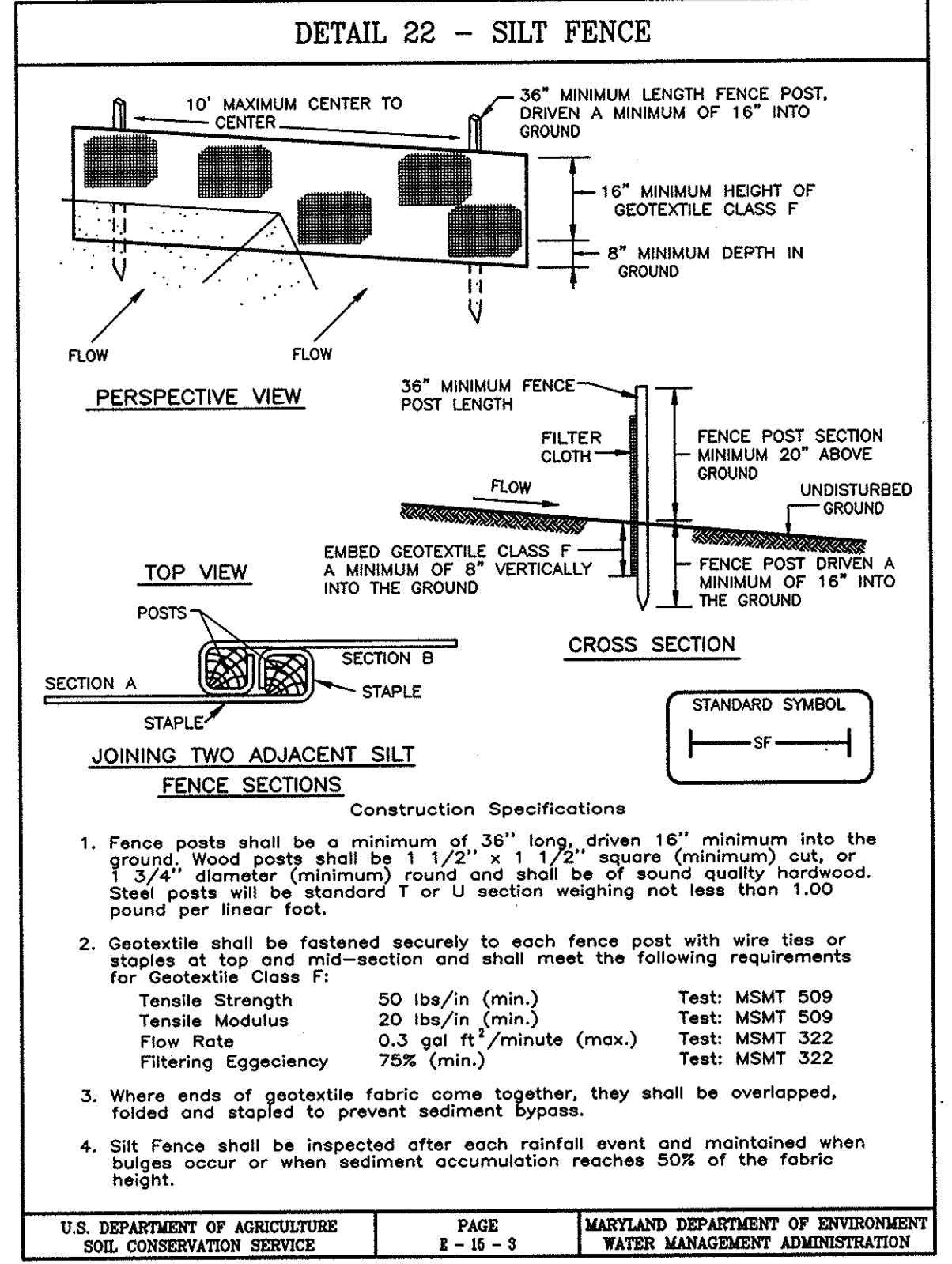
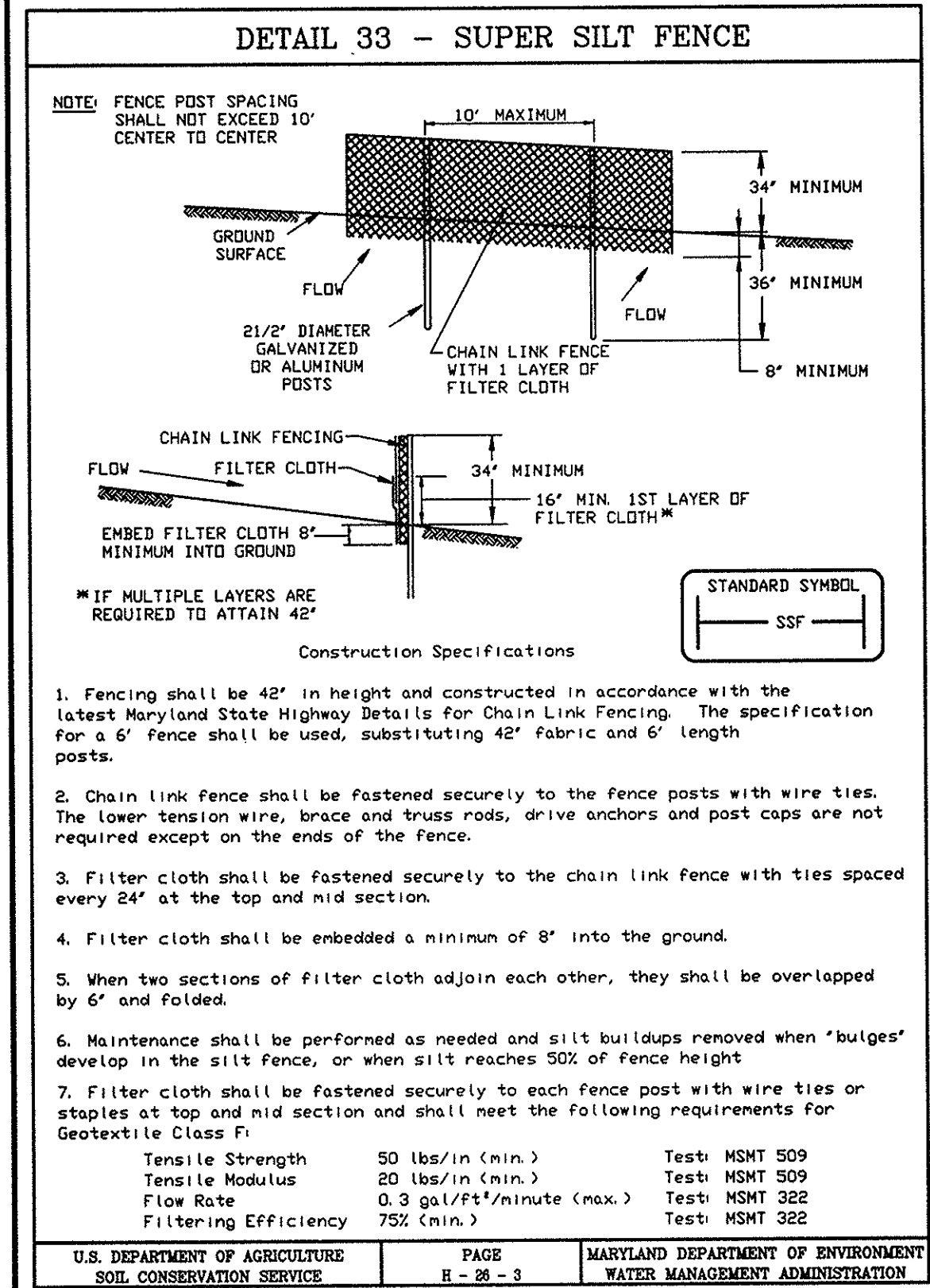
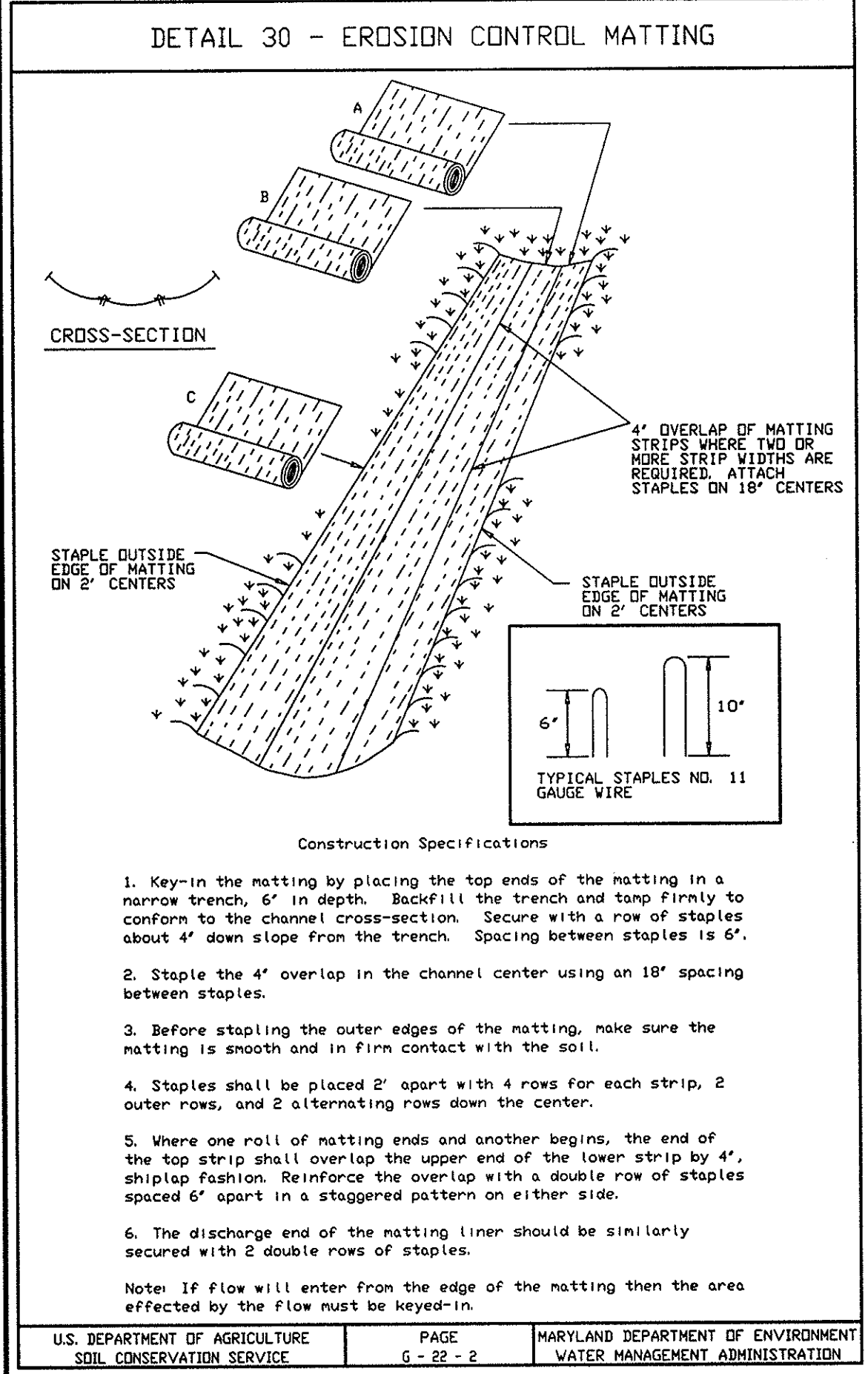
Reviewed for: HOWARD S.C.D.
 and meets Technical Requirements
[Signature] 4/16/99
 U.S. National Resources Conservation Service
 THIS DEVELOPMENT PLAN IS APPROVED
 FOR SOIL EROSION AND SEDIMENT
 CONTROL BY THE HOWARD SOIL
 CONSERVATION DISTRICT
[Signature] 4/16/99
 Approved

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.
[Signature] 2-24-99
 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.
[Signature] 3-1-99
 G. NELSON CLARK DATE



CLARK • FINEFROCK & SACKETT, INC. ENGINEERS • PLANNERS • SURVEYORS 7135 MINSTREL WAY • COLUMBIA, MD 21045 • (410) 381-7500 BALT. • (301) 621-8100 WASH.		
DESIGNED KIWM	SEDIMENT AND EROSION CONTROL PLAN LOTS 11, 12, 15, 16, 17, 20, 21, 38, 39, 42, 43, 47 & 48 COLUMBIA VILLAGE OF RIVER HILL SECTION 4 AREA 5 FIFTH (5th) ELECTION DISTRICT HOWARD COUNTY, MARYLAND	SCALE 1" = 30'
DRAWN ZH/JR		DRAWING 3 of 4
CHECKED [initials]	JOB NO. 99-008	FILE NO. 99-008 S/E
DATE 2-25-99	FOR: THE RYLAND GROUP, INC. 7250 Parkway Drive Hanover, Maryland 21076	



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

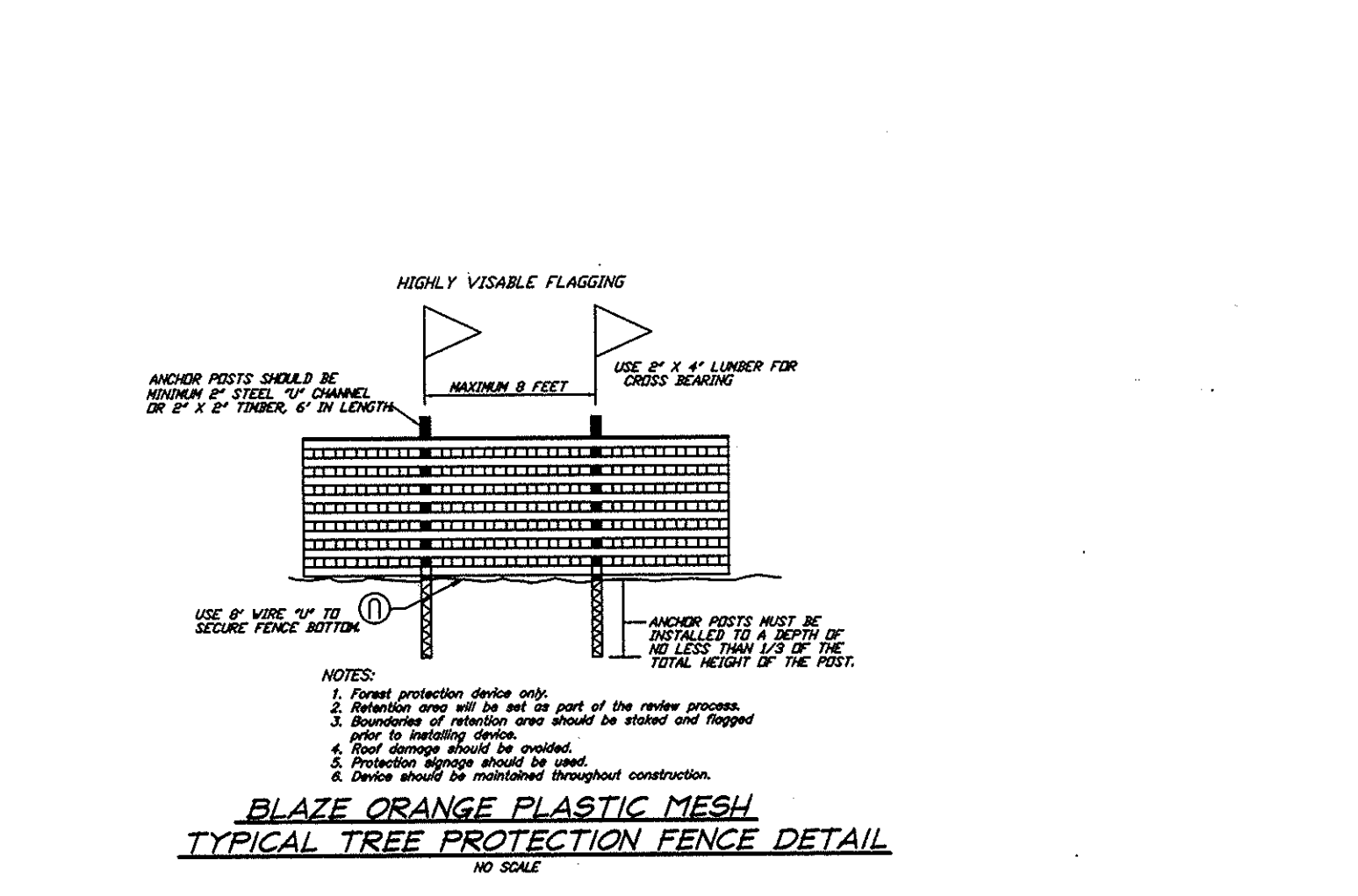
- This practice is limited to areas having 2:1 or flatter slopes where:
 - The texture of the exposed subsoil/parent material is not adequate to produce vegetative growth.
 - The soil material is so shallow that the rooting zone is not deep enough to support plants or furnish continuing supplies of moisture 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 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 Experiment Station.
 - Topsoil shall be a loam, sandy loam, clay loam, silt loam, sandy clay loam, loamy sand. Other soils may be used if recommended by an agronomist or a soil scientist and approved by the appropriate approval authority. Regardless, topsoil shall not be a mixture of contrasting textured subsoils and shall contain less than 5% by volume of cinders, stones, slag, coarse fragments, gravel, sticks, roots, trash, or other materials larger than 1 and 1/2" in diameter.
 - 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.
- 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.

Topsoil Application

- When topsoiling, maintain needed erosion and sediment control practices such as diversions, Grade Stabilization Structures, Earth Dikes, Slope Silt Fences and Sediment Traps and Basins.
- When topsoiling, maintain needed erosion and sediment control practices such as diversions, Grade Stabilization Structures, Earth Dikes, Slope Silt Fences and Sediment Traps and Basins.
- When topsoiling, maintain needed erosion and sediment control practices such as diversions, Grade Stabilization Structures, Earth Dikes, Slope Silt Fences and Sediment Traps and Basins.



PERMANENT SEEDING NOTES

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

SEEDBED PREPARATION: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding, if not previously loosened.

SOIL AMENDMENTS: In lieu of soil test recommendations, use one of the following schedules:

- Preferred - Apply 2 tons per acre dolomitic limestone (42 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 uniform fertilizer (9 lbs./1000 sq.ft.).
- Acceptable - Apply 2 tons per acre dolomitic limestone (42 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 (14 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 (28 lbs./1000 sq.ft.) of weeping lovegrass. During the period of October 16 thru February 28, protect site by Option (1) 2 tons per acre well anchored straw mulch and seed as soon as possible in the spring. Option (2) Use sod. Option (3) Seed with 60 lbs/acre Kentucky 31 Tall Fescue and mulch with 2 tons/acre well anchored straw.

MULCHING: Apply 1 1/2 to 2 tons per acre (70 to 90 lbs./1000 sq.ft.) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 210 gallons per acre (5 gal/1000 sq.ft.) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 340 gallons per acre (8 gal/1000 sq.ft.) for anchoring.

MAINTENANCE: Inspect all seeded areas and make needed repairs, replacements and reseedings.

TEMPORARY SEEDING NOTES

SEEDBED PREPARATION: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding, if not previously loosened.

SOIL AMENDMENTS: Apply 600 lbs. per acre 10-10-10 fertilizer (14 lbs./1000 sq.ft.).

SEEDING: For periods March 1 thru April 30 and from August 15 thru November 15, seed with 2 1/2 bushels per acre of annual ryegrass (3.2 lbs./1000 sq.ft.) For the period May 1 thru August 14, seed with 3 lbs. per acre of weeping lovegrass (07 lbs./1000 sq.ft.). For the period November 1 thru February 28, protect site by applying 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring, or use sod.

MULCHING: Apply 1 1/2 to 2 tons per acre (70 to 90 lbs./1000 sq.ft.) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 210 gallons per acre (5 gal/1000 sq.ft.) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 340 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 (315-1855).
- 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 SPECIFICATIONS 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. II, 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:	2.36 Acres
Area Disturbed:	1.84 Acres
Area to be roofed or paved:	1.18 Acres
Area to be vegetatively stabilized:	1.11 Acres
Total Cut:	3480 CY
Total Fill:	1765 CY
Offsite Make/Borrow Area Location:	2
- 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 DPM 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 is limited to three pipe lengths or that which shall be back-filled and stabilized within one working day, whichever is shorter.
- The total amount of silt fence = 2090 LF
- The total amount of super silt fence = 130 LF
- The total amount of earth dike = 0

* 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

APPROVED: DEPARTMENT OF PLANNING & ZONING
 [Signature] 4/20/99
 CHIEF, DEVELOPMENT ENGINEERING DIVISION
 [Signature] 4/20/99
 CHIEF, DIVISION OF LAND DEVELOPMENT
 [Signature] 4-28-99
 DIRECTOR

Reviewed For: HOWARD S.C.D.
 and Meets Technical Requirements
 [Signature] 4/14/99
 U.S. National Resource Conservation Service
 THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
 [Signature] 4/14/99
 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.

[Signature] 2-24-99
 NAME BOB PROBERT 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.

[Signature] 3-1-99
 G. NELSON CLARK DATE

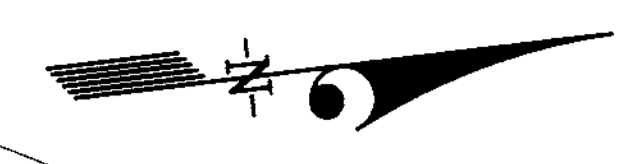
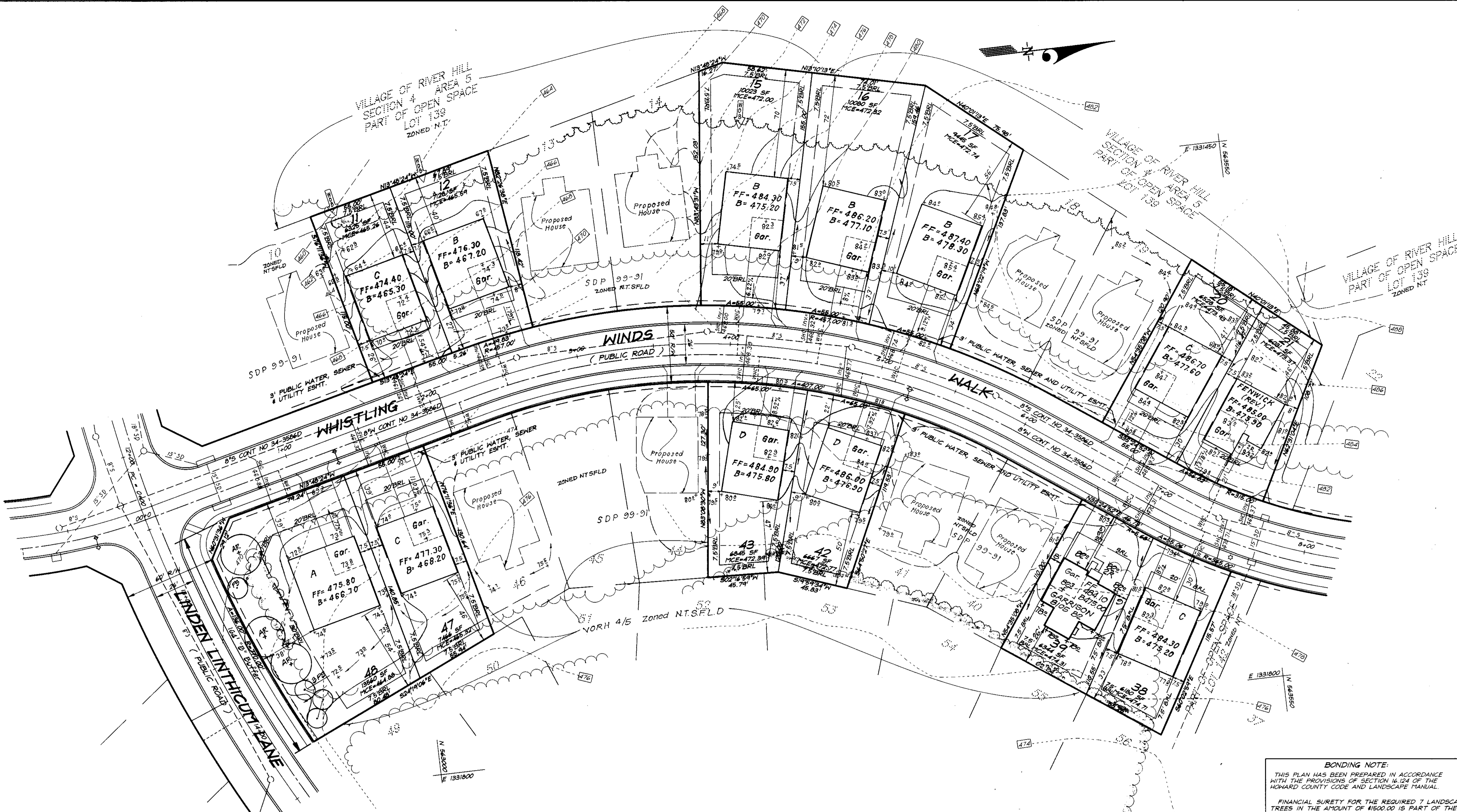
OWNER / DEVELOPER
 THE HOWARD RESEARCH AND DEVELOPMENT CORP.
 10275 LITTLE PATUXENT PARKWAY
 COLUMBIA, MARYLAND 21044

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

7135 MINSTREL WAY • COLUMBIA, MD 21045 • (410) 381-7500 BALT. • (301) 621-8100 WASH.

DESIGNED KINYM	SEDIMENT AND EROSION CONTROL DETAILS LOTS 11, 12, 15, 16, 17, 20, 21, 38, 39, 42, 43, 47 & 48	SCALE -
DRAWN ZH	COLUMBIA VILLAGE OF RIVER HILL SECTION 4 AREA 5 FIFTH (5th) ELECTION DISTRICT HOWARD COUNTY, MARYLAND	DRAWING 4 of 4
CHECKED [Signature]		JOB NO. 99-008
DATE 2-25-99	FOR: RYLAND GROUP, INC. 7250 Parkway Drive Hanover, Maryland 21076	FILE NO. 99-008-5E

SDP 99-105

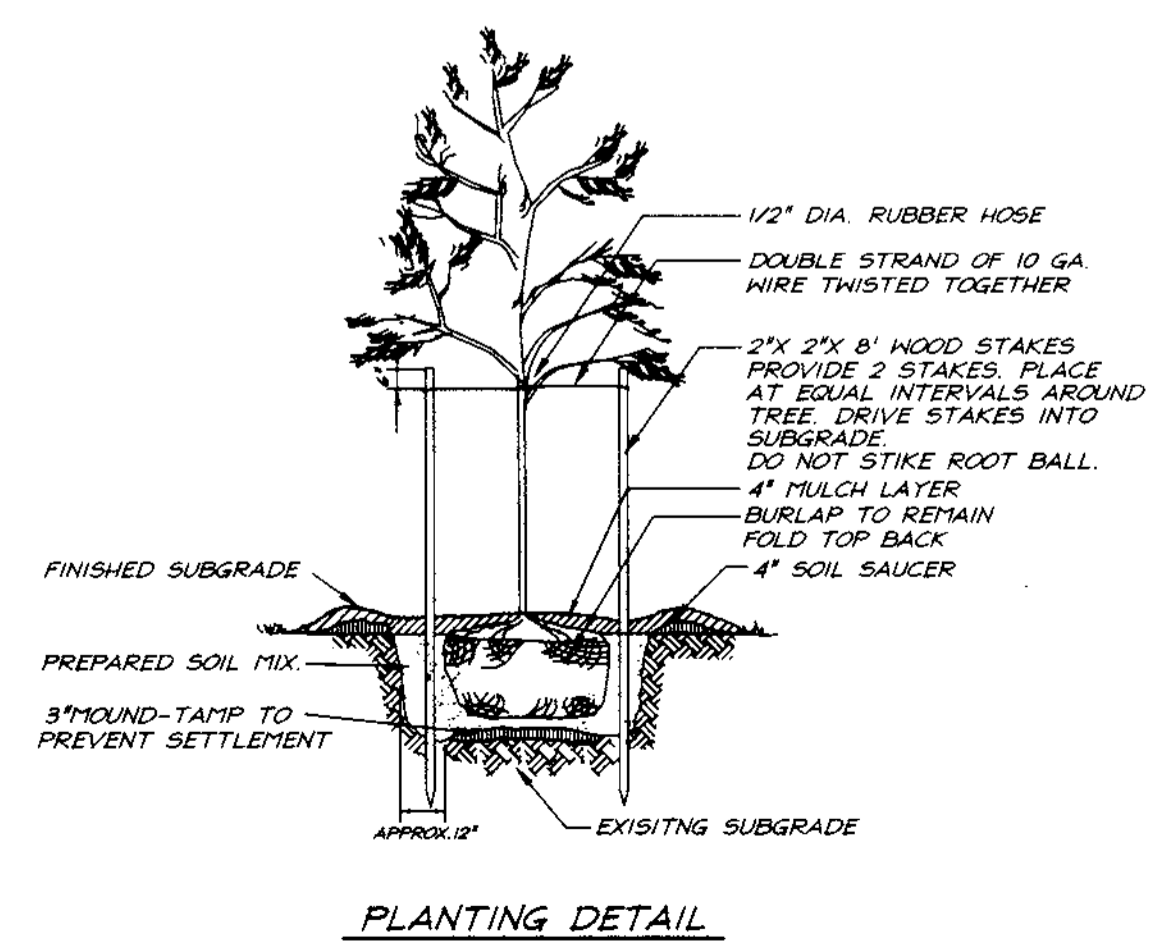
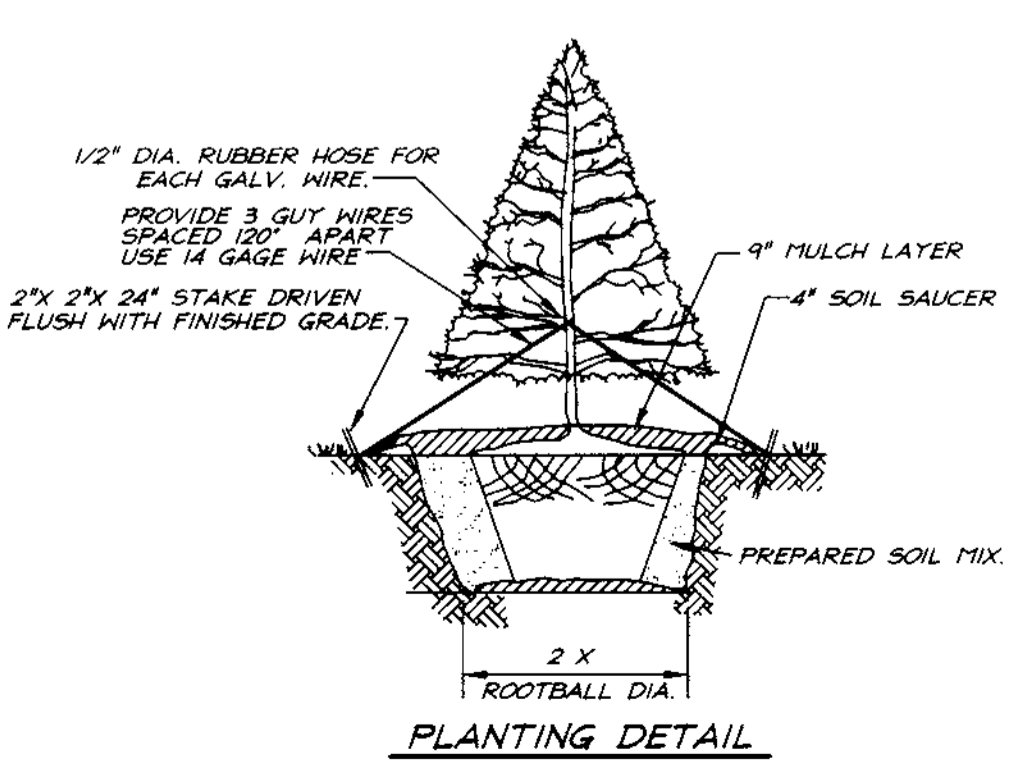


PLANT SCHEDULE				
KEY	PLANT NAME	SIZE	QUAN.	REMARK
(AR)	ACER RUBRUM	2 1/2" x 3" CAL	3	B&B HEAVY
(O)	OCT. GLORY RED MAPLE	12-14' HT.	3	B&B HEAVY
(T)	PINUS STOBUS	6'-8' HT.	4	B&B HEAVY
(W)	WHITE PINE	6'-8' HT.	4	B&B HEAVY

NOTES:
 1. All plant materials shall be full and heavy, be well formed and symmetrical, conform to the most current AAN specifications and be installed in accordance with H&D planting specifications.
 2. Contractor shall verify location of all underground utilities prior to digging.
 3. Final location of plant material may need to vary to meet final field conditions. Trees shall not be planted in the bottom of drainage swales.

SCHEDULE A PERIMETER LANDSCAPE EDGE			LOT 48
Category	Adjacent to Roadways		
Landscape Type		B	
Frontage/Perimeter		164	
Number of Plants Required			
Shade Trees	(1/20)	3	
Evergreen Trees	(1/40)	4	
Number of Plants Provided			
Shade Trees	3	3	
Evergreen Trees	4	4	
Surety Amount		\$800	

* Comments: Planting to be provided per the New Town Alternative Compliance method.



BONDING NOTE:
 THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 16.124 OF THE HOWARD COUNTY CODE AND LANDSCAPE MANUAL.
 FINANCIAL SURETY FOR THE REQUIRED 7 LANDSCAPE TREES IN THE AMOUNT OF \$1500.00 IS PART OF THE BUILDERS GRADING PERMIT APPLICATION.

DEVELOPER'S/BUILDERS CERTIFICATE

I/We certify that the landscaping shown on this plan will be done according to plan, section 16.124 of the Howard County Code and the Howard County 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.

Name: Bob Padgett Date: 2-24-00

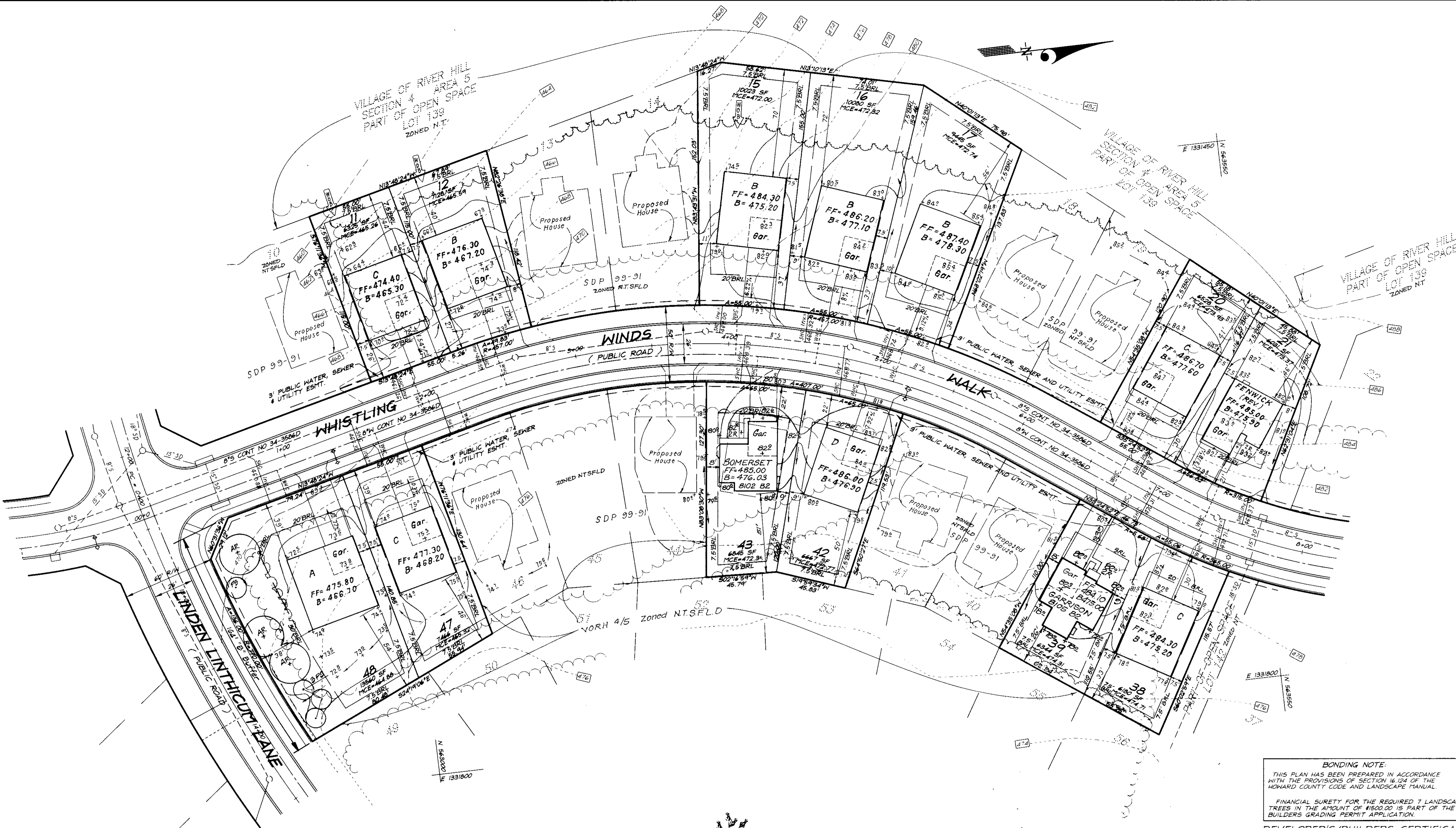
APPROVED: DEPARTMENT OF PLANNING & ZONING
 Chief, Development Engineering Division: [Signature] 4/28/99
 Chief, Division of Land Development: [Signature] 4/28/99
 Director: [Signature]



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

DESIGNED	SITE DEVELOPMENT PLAN		SCALE
DRAWN	LOTS 11, 12, 15, 16, 17, 20, 21, 38, 39, 42, 43, 47 & 48		1" = 30'
CHECKED	COLUMBIA VILLAGE OF RIVER HILL		DRAWING 2 of 4
DATE	SECTION 4 AREA 5 FIFTH (5th) ELECTION DISTRICT HOWARD COUNTY, MARYLAND		JOB NO. 99-008
	FOR: THE RYLAND GROUP, INC. 7250 Parkway Drive Hanover, Maryland 21076		FILE NO. 99-008X

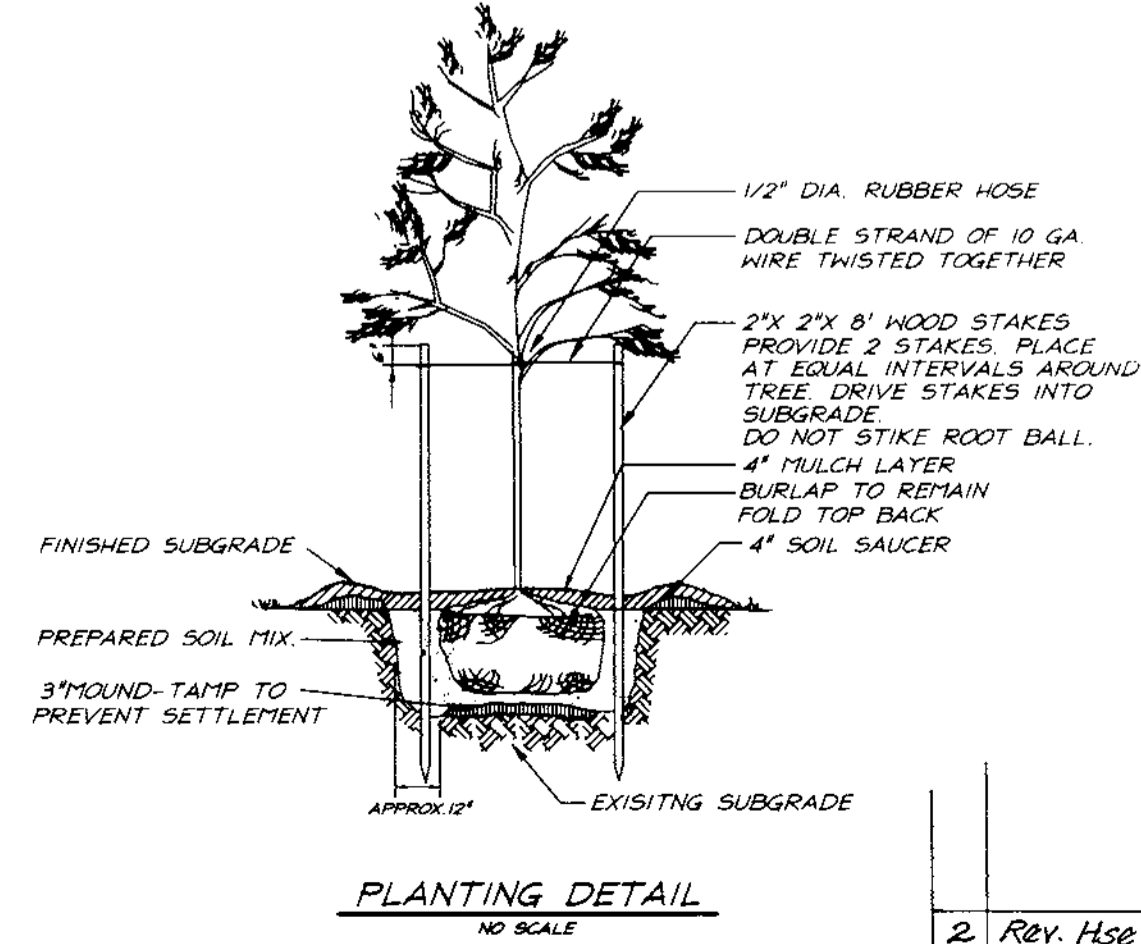
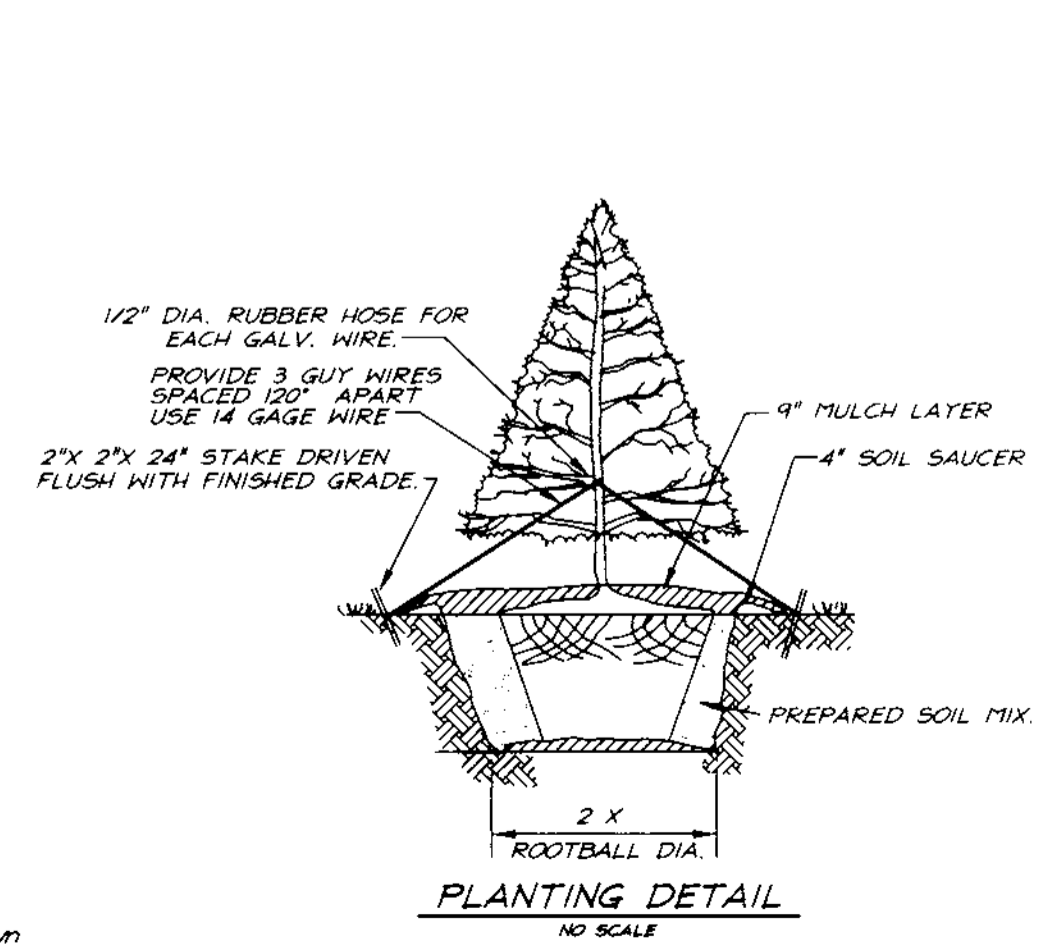
NO.	REVISIONS	DATE
1	Rev. hse. f. 9rd. lot 30	6-18-99



PLANT SCHEDULE				
KEY	PLANT NAME	SIZE	QUAN.	REMARK
(AR)	ACER RUBRUM	2 1/2" x 3" CAL.	3	BMB HEAVY
(CR)	OCT. GLORY RED MAPLE	2-14" HT.	3	BMB HEAVY
(TP)	PINUS STOBUS	6'-8" HT.	4	BMB HEAVY
(TP)	WHITE PINE			

- NOTES:**
- All plant materials shall be full and heavy, be well formed and symmetrical, conform to the most current AAN specifications and be installed in accordance with H&O planting specifications.
 - Contractor shall verify location of all underground utilities prior to digging.
 - Final location of plant material may need to vary to meet final field conditions. Trees shall not be planted in the bottom of drainage swales.

SCHEDULE A PERIMETER LANDSCAPE EDGE				LOT
Category	Adjacent to Roadways			48
Landscaping Type				B
Frontage/Perimeter				164
Number of Plants Required				
Shade Trees	(1/30)			3
Evergreen Trees	(1/40)			4
Number of Plants Provided				
Shade Trees				3
Evergreen Trees				4
Surety Amount				\$5000



BONDING NOTE:
THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 16.124 OF THE HOWARD COUNTY CODE AND LANDSCAPE MANUAL.
FINANCIAL SURETY FOR THE REQUIRED 7 LANDSCAPE TREES IN THE AMOUNT OF \$1800.00 IS PART OF THE BUILDERS GRADING PERMIT APPLICATION.

DEVELOPER'S/BUILDERS CERTIFICATE

I/We certify that the landscaping shown on this plan will be done according to plan, section 16.124 of the Howard County Code and the Howard County 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.

[Signature]
Name: **BOB PADGETT** Date: **2-24-99**

APPROVED: DEPARTMENT OF PLANNING & ZONING
[Signature] 4/28/99
CHIEF, DEVELOPMENT ENGINEERING DIVISION
[Signature] 4/23/99
CHIEF, DIVISION OF LAND DEVELOPMENT
[Signature] 4-28-99
DIRECTOR

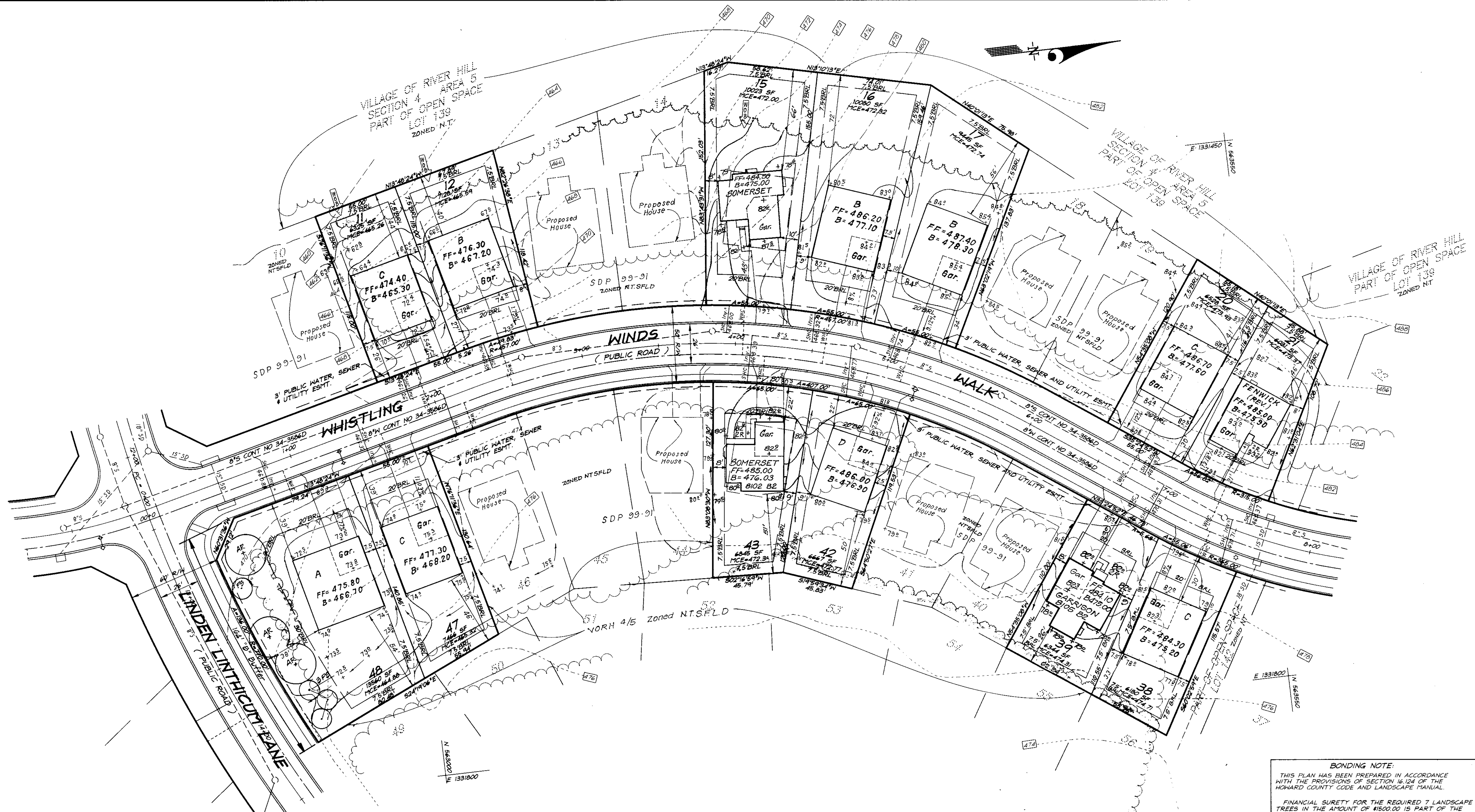
* Comments: Planting to be provided per the New Town Alternative Compliance method.



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

DESIGNED	SITE DEVELOPMENT PLAN		SCALE
DRAWN	LOTS 11, 12, 15, 16, 17, 20, 21, 38, 39, 42, 43, 47 & 48		1" = 30'
CHECKED	COLUMBIA VILLAGE OF RIVER HILL		DRAWING 2 of 4
DATE	SECTION 4 AREA 5 FIFTH (5th) ELECTION DISTRICT HOWARD COUNTY, MARYLAND		JOB NO. 99-008
	FOR: THE RYLAND GROUP, INC. 7250 Parkway Drive Hanover, Maryland 21076		FILE NO. 99-008X

NO.	REVISIONS	DATE
2	Rev. Hse & Grd. lot 43	8-11-99
1	Rev. Hse & Grd. lot 30	6-18-99



BONDING NOTE:
 THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 16.124 OF THE HOWARD COUNTY CODE AND LANDSCAPE MANUAL.
 FINANCIAL SURETY FOR THE REQUIRED 7 LANDSCAPE TREES IN THE AMOUNT OF \$1500.00 IS PART OF THE BUILDERS GRADING PERMIT APPLICATION.

DEVELOPER'S/BUILDERS CERTIFICATE

I/We certify that the landscaping shown on this plan will be done according to plan, section 16.124 of the Howard County Code and the Howard County 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.

Bob Padgett
 Name: **BOB PADGETT** Date: **2-24-99**

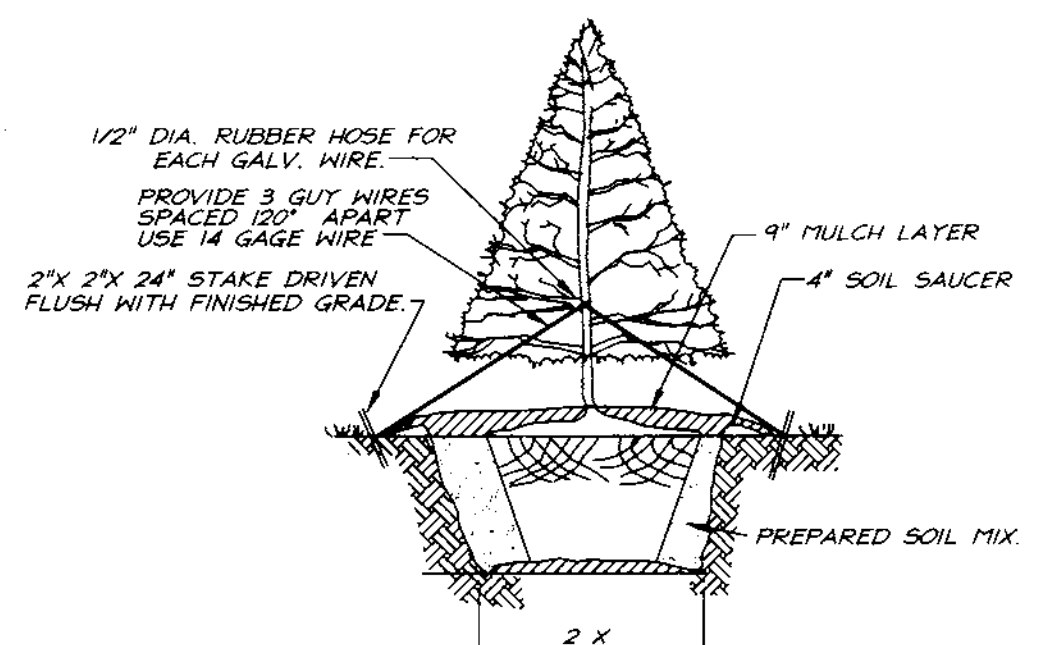
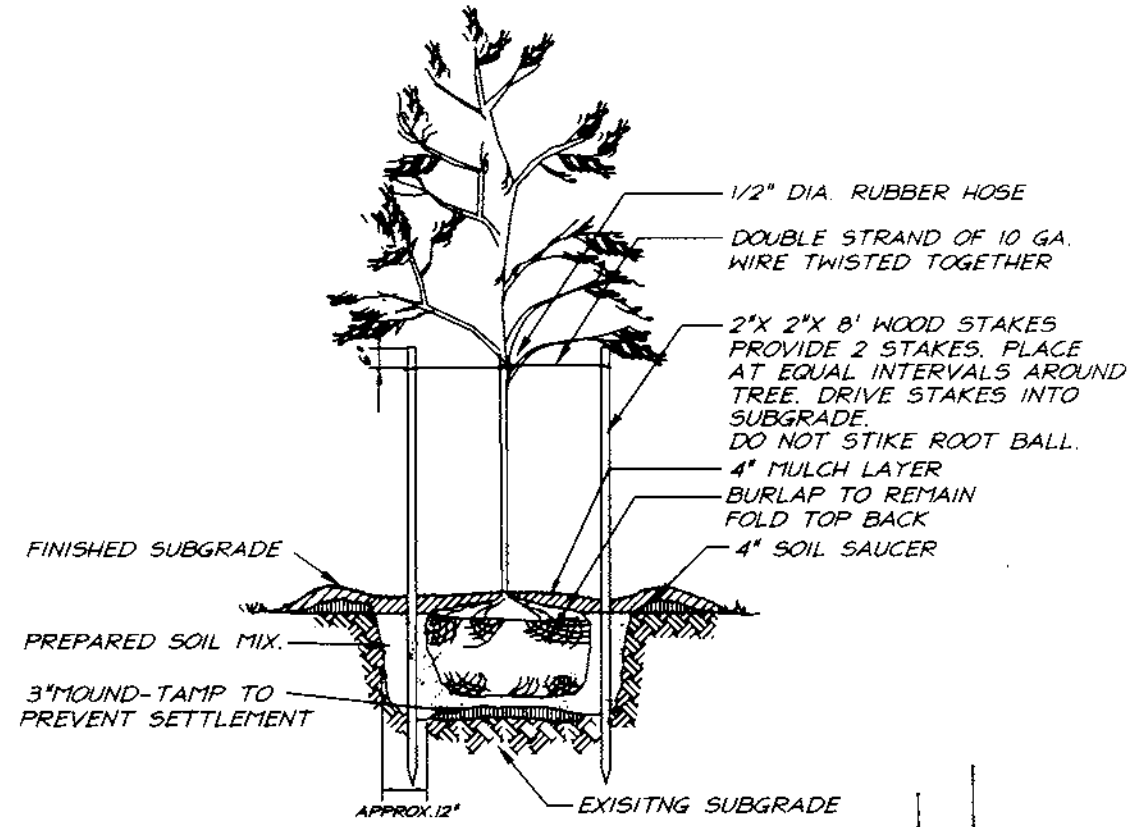
CLARK • FINEFROCK & SACKETT, INC.
 ENGINEERS • PLANNERS • SURVEYORS

7135 MINSTREL WAY • COLUMBIA, MD 21045 • (410) 381-7500 BALT. • (301) 621-8100 WASH.

DESIGNED	SITE DEVELOPMENT PLAN		SCALE
DRAWN	LOTS 11, 12, 15, 16, 17, 20, 21, 38, 39, 42, 43, 47 & 48		1" = 30'
CHECKED	COLUMBIA VILLAGE OF RIVER HILL		DRAWING 2 of 4
	SECTION 4 AREA 5		JOB NO. 99-008
	FIFTH (5th) ELECTION DISTRICT		FILE NO. 99-008X
	HOWARD COUNTY, MARYLAND		
DATE	FOR THE RYLAND GROUP, INC. 7250 Parkway Drive Hanover, Maryland 21076		
2-23-99			



3	Rev. Hse & Gar to show as-built cond.	10-14-99
2	Rev. Hse & Ord. lot 43	8-11-99
1	Rev. hse. f 9rd. lot 38	6-18-99
NR	REVISIONS	Date



KEY	PLANT NAME	SIZE	QUAN.	REMARK
(AR)	ACER RUBRUM	2 1/2\"/>		

NOTES:
 1. All plant materials shall be full and heavy, be well formed and symmetrical, conform to the most current AAN specifications and be installed in accordance with HRD planting specifications.
 2. Contractor shall verify location of all underground utilities prior to digging.
 3. Final location of plant material may need to vary to meet final field conditions. Trees shall not be planted in the bottom of drainage swales.

SCHEDULE A PERIMETER LANDSCAPE EDGE	LOT
Category Adjacent to Roadways	48
Landscape Type	B
Frontage/Perimeter	164
Number of Plants Required	
Shade Trees (1/20)	3
Evergreen Trees (1/40)	4
Number of Plants Provided	
Shade Trees	3
Evergreen Trees	4
Surety Amount	\$1500

APPROVED: DEPARTMENT OF PLANNING & ZONING
Paul J. Williams 4/28/99
 CHIEF, DEVELOPMENT ENGINEERING DIVISION
Candy Hamilton 4/28/99
 CHIEF, DIVISION OF LAND DEVELOPMENT
Roscoe George 4-28-99
 DIRECTOR

* Comments: Planting to be provided per the New Town Alternative Compliance method.