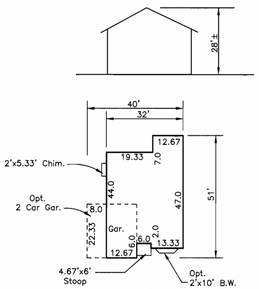
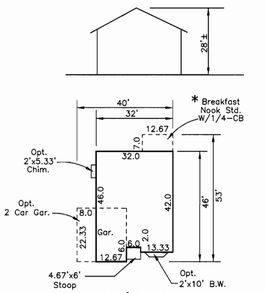


1/4-A

1597.37 SF / 0.3 = 5324.57 SF Min. Lot Size (1 Car) w/10'x16' Deck

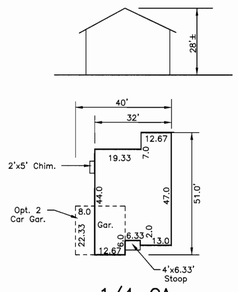
1776.01 SF / 0.3 = **5920.03** SF Min. Lot Size (2 Car) w/10'x16' Deck



1/4-B
1/4-CB*

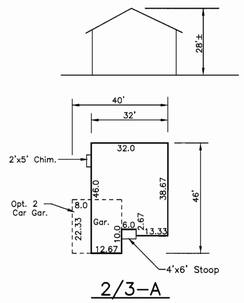
1/4-B = 1751.32 SF / 0.3 = 5837.73 SF Min. Lot Size w/all options w/10'x16' Deck

1/4-CB = **1840.01** SF / 0.3 = **6133.33** SF Min. Lot Size w/all options w/10'x16' Deck



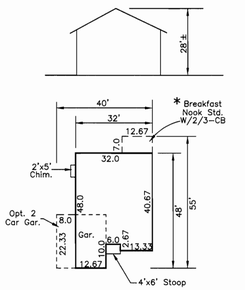
1/4-CA

1754.79 SF / 0.3 = 5849.30 SF Min. Lot Size w/all options w/10'x16' Opt. Deck



2/3-A

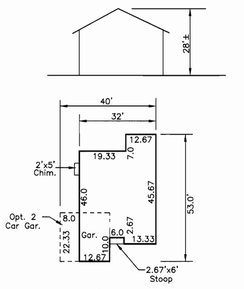
1676.93 SF / 0.3 = 5589.77 SF Min. Lot Size w/all options w/10'x16' Opt. Deck



2/3-B
2/3-CB *

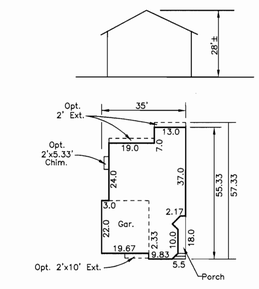
2/3-B = 1740.93 SF / 0.3 = 5803.10 SF Min. Lot Size w/all options w/10'x16' Deck

2/3-CB = **1822.62** SF / 0.3 = **6076.73** SF Min. Lot Size w/all options w/10'x16' Deck



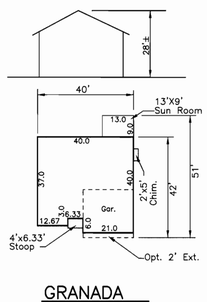
2/3-CA

1741.64 SF / 0.3 = 5805.47 SF Min. Lot Size w/all options w/10'x16' Opt. Deck



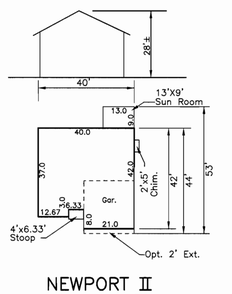
DIMENSION 6

1883.42 SF / 0.3 = 6278.07 SF Min. Lot Size w/all options w/10'x14' Max. Opt. Deck



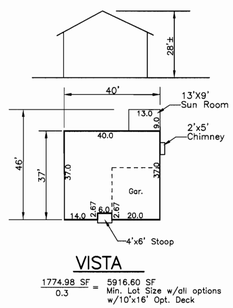
GRANADA

1868.33 SF / 0.3 = **6227.76** SF Min. Lot Size w/all options w/10'x16' Opt. Deck



NEWPORT II
GRANADA II

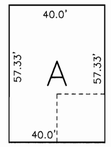
1885.33 SF / 0.3 = 6284.43 SF Min. Lot Size w/all options w/ 10'x12.5' Opt. Deck Max.



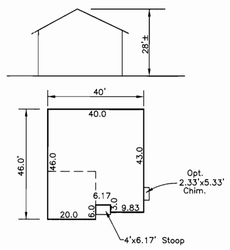
VISTA

1774.98 SF / 0.3 = 5916.60 SF Min. Lot Size w/all options w/10'x16' Opt. Deck

ADDRESS CHART	
LOT NUMBER	STREET ADDRESS
66	5824 Indian Summer Drive
67	5820 Indian Summer Drive
68	5816 Indian Summer Drive

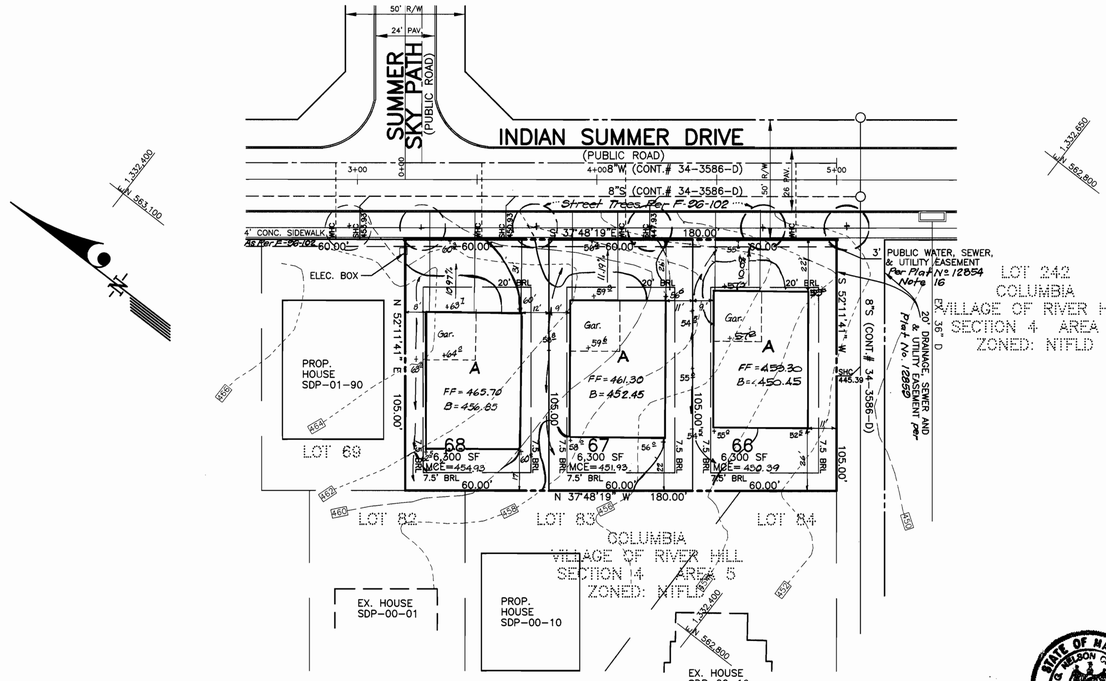


DIMENSION 5
DIMENSION 6
GRANADA
GRANADA II
NEWPORT II
VISTA
1/4-A, 1/4-CA
1/4B, 1/4 CB
2/3A, 2/3CA
2/B, 2/3CB



DIMENSION 5

1886.59 SF / 0.3 = 6288.63 SF Min. Lot Size w/all options w/8'x11' Max. Opt. Deck



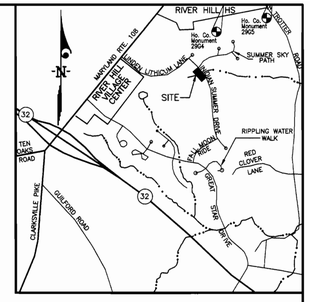
LEGEND

CONTOUR INTERVAL	2 FT.
EXISTING CONTOUR	348
PROPOSED CONTOUR	348
DIRECTION OF DRAINAGE	
WALK OUT BASEMENT	W.O.B.
SPOT ELEVATION	+78.4

BENCHMARKS:

Howard County Monument 29G4 Intersection of MD. Route 108 and Trotter Road

Howard County Monument 29G5 an additional 2,544' ± Northeasterly along MD. Route 108 away from Site



VICINITY MAP

Scale : 1"=2000'

GENERAL NOTES:

1. Subject property is zoned: NTSFMD per 10-18-93 Comprehensive Zoning Plan.
2. The total area included in this submission is : 0.4339 Acres.
3. The total number of lots included in this submission is : 3
4. Improvement to property : Single Family Detached
5. The maximum lot coverage permitted is : 30%
6. Department of Planning and Zoning reference file numbers: S-93-21; P-95-12; F-96-102; WP-95-70
7. 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.
8. Any damage to county owned rights-of-way shall be corrected at the developer's expense.
9. All roadways are public and existing.
10. The existing topography was taken from Field Run Surveys prepared by Clark, Finefrock, & Sackett, Inc. dated Jan. 2001.
11. 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
12. 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.
13. The contractor shall notify "Miss Utility" at 1-800-257-7777 at least 48 hours prior to any excavation work.
14. For driveway entrance details, refer to Ho. Co. Design Manual Volume IV detail R.6.05.
15. In accordance with FDP-Phase 222-A-1 Part V bay windows or chimneys not more than 10 feet in width may project not more than 4 feet into any setbacks; porches and decks may project not more than 3 feet into the front or rear setbacks. Areaways may not project into any setbacks.
16. Stormwater Management is provided per: F-96-102. Quantity Stormwater Management for Section 4, Area 5 is provided by three facilities; the refurbished SWM Pond #1 South of Linden Lithicum 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 two facilities: 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.
17. SHC Elevations shown are at the Property lines.
18. This property is exempt from the forest conservation requirements per section 16.1202(b)(1)(iv) of the Howard County Code because it is part of a planned unit development with preliminary plan approval prior to 12/31/92
19. This site development plan refers to plat # 12854 for locations of 3' public water, sewer and utility easements, 20' drainage, sewer and utility easements.

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

OWNER / DEVELOPER

THE HOWARD RESEARCH AND DEVELOPMENT CORP.
10275 LITTLE PAXTUXENT PARKWAY
COLUMBIA, MARYLAND 21044

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.

APPROVED: DEPARTMENT OF PLANNING & ZONING	
CHIEF, DEVELOPMENT ENGINEERING DIVISION	DATE 6/6/01
CHIEF, DIVISION OF LAND DEVELOPMENT	DATE 6/8/01
DIRECTOR	DATE 6/11/01

SUBDIVISION NAME: VILLAGE OF RIVER HILL			SECTION/AREA: 4/5		LOTS/PARCELS: 66 - 68
PLAT NO.: 12859	BLOCK NO.: 1	ZONE: NTSFMD	TAX MAP NO.: 35	ELECTION DIST.: 5th	CENSUS TRACT: 6055
WATER CODE: I-10			SEWER CODE: 6653000		

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

DESIGNED: DM	SITE DEVELOPMENT PLAN LOTS 66 THRU 68 COLUMBIA VILLAGE OF RIVER HILL SECTION 4 AREA 5 FIFTH (5th) ELECTION DISTRICT HOWARD COUNTY, MARYLAND	SCALE: 1" = 30'
DRAWN: KQL		DRAWING: 1 of 2
CHECKED: DM		JOB NO.: 99-021
DATE	FOR: ALLAN HOMES, INC. 10260 OLD COLUMBIA ROAD RIVERS CORPORATE PARK COLUMBIA, MARYLAND 21044	FILE NO.: 99-021-X

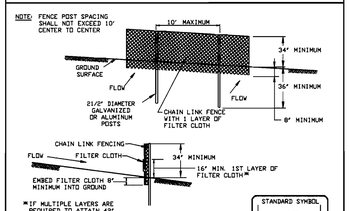
STATE OF MARYLAND · G. NELSON CLARK · 5601 · REGISTERED PROFESSIONAL ENGINEER

5601

(9)D:/Drawings/VORH4-5/ALLAN/LOTS66-68

SDP-01-100

DETAIL 33 – SUPER SILT FENCE



NOTE: FENCE POST SPACING SHALL NOT EXCEED 10' CENTER TO CENTER

*IF MULTIPLE LAYERS ARE REQUIRED TO ATTAIN 42"

Construction Specifications

1. Fencing shall be 42" in height and constructed in accordance with the latest Maryland State Highway Details for Chain Link Fencing. The specification for a 6' fence shall be used, substituting 42" fabric and 6' length posts.

2. Chain link fence shall be fastened securely to the fence posts with wire ties. The lower tension wire, brace and truss rods, drive anchors and post caps are not required except on the ends of the fence.

3. Filter cloth shall be fastened securely to the chain link fence with ties spaced every 24" at the top and mid section.

4. Filter cloth shall be embedded a minimum of 8" into the ground.

5. When two sections of filter cloth adjoin each other, they shall be overlapped by 6" and folded.

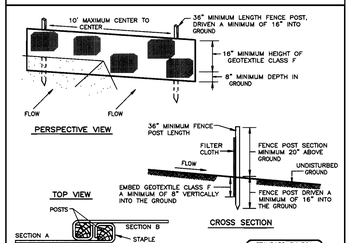
6. Maintenance shall be performed as needed and silt buildups removed when "bulges" develop in the silt fence, or when silt reaches 50% of fence height.

7. Filter cloth shall be fastened securely to each fence post with wire ties or staples at top and mid section and shall meet the following requirements for Geotextile Class F:

Tensile Strength	50 lbs/in (min.)	Test: MSMT 509
Tensile Modulus	20 lbs/in (min.)	Test: MSMT 509
Flow Rate	0.3 gal/ft²/minute (max.)	Test: MSMT 322
Filtering Efficiency	75% (min.)	Test: MSMT 322

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE	PAGE K – 26 – 3	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

DETAIL 22 – SILT FENCE



JOINING TWO ADJACENT SILT FENCE SECTIONS

Construction Specifications

1. Fence posts shall be a minimum of 36" long, driven 16" minimum into the ground. Wood posts shall be 1 1/2" x 1 1/2" square (minimum) cut, or 1 3/4" diameter (minimum) round and shall be of sound quality hardwood. Steel posts will be standard T or U section weighing not less than 1.00 pound per linear foot.

2. Geotextile shall be fastened securely to each fence post with wire ties or staples at top and mid-section and shall meet the following requirements for Geotextile Class F:

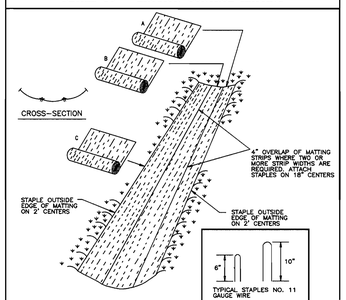
Tensile Strength	50 lbs/in (min.)	Test: MSMT 509
Tensile Modulus	20 lbs/in (min.)	Test: MSMT 509
Flow Rate	0.3 gal/ft²/minute (max.)	Test: MSMT 322
Filtering Efficiency	75% (min.)	Test: MSMT 322

3. Where ends of geotextile fabric come together, they shall be overlapped, folded and stapled to prevent sediment bypass.

4. Silt Fence shall be inspected after each rainfall event and maintained when bulges occur or when sediment accumulation reaches 50% of the fabric height.

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE	PAGE K – 18 – 3	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

DETAIL 30 – EROSION CONTROL MATTING



Construction Specifications

1. Key-in the matting by placing the top ends of the matting in a narrow trench, 6" in depth. Backfill the trench and tamp firmly to conform to the channel cross-section. Secure with a row of staples about 4" down slope from the trench. Spacing between staples is 6".

2. Staple the 4" overlap in the channel center using an 18" spacing between staples.

3. Before stapling the outer edges of the matting, make sure the matting is smooth and in firm contact with the soil.

4. Staples shall be placed 2' apart with 4 rows for each strip, 2 outer rows, and 2 alternating rows down the center.

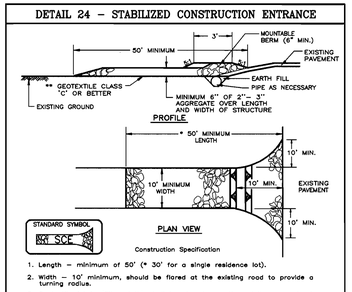
5. Where one roll of matting ends and another begins, the end of the top strip shall overlap the upper end of the lower strip by 4", shiplap fashion. Reinforce the overlap with a double row of staples spaced 6" apart in a staggered pattern on either side.

6. The discharge end of the matting liner should be similarly secured with 2 double rows of staples.

Note: If flow will enter from the edge of the matting then the area effected by the flow must be keyed-in.

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE	PAGE C – 18 – 3	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

DETAIL 24 – STABILIZED CONSTRUCTION ENTRANCE



Construction Specification

1. Length – minimum of 50' (* 30' for a single residence lot).

2. Width – 10' minimum, should be flared at the existing road to provide a turning radius.

3. Geotextile fabric (filter cloth) shall be placed over the existing ground, prior to placing stone. ** The plan approval authority may not require single family residences to use geotextile.

4. Stone – crushed aggregate (2" to 3") or reclaimed or recycled concrete equivalent shall be placed at least 6" deep over the length and width of the entrance.

5. Surface Water – all surface water flowing to or diverted toward construction entrances shall be piped through the entrance, maintaining positive drainage. Pipe installed through the stabilized construction entrance shall be protected with a mountable berm with 5:1 slopes and a minimum of 6" of stone over the pipe. Pipe has to be sized according to the drainage. When the SCE is located at a high spot and has no drainage to convey, a pipe will not be necessary. Pipe should be sized according to the amount of runoff to be conveyed. A 6" minimum will be required.

6. Location – A stabilized construction entrance shall be located at every point where construction traffic enters or leaves a construction site. Vehicles leaving the site must travel over the entire length of the stabilized construction entrance.

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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

I. This practice is limited to areas having 2:1 or flatter slopes where:

a. The texture of the exposed subsoil/parent material is not adequate to produce vegetative growth.

b. 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.

c. The original soil to be vegetated contains material toxic to plant growth.

d. The soil is so acidic that treatment with limestone is not feasible.

II. 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

I. 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.

II. Topsoil Specifications – Soil to be used as topsoil must meet the following:

i. 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 that 1 and 1/2" in diameter.

ii. Topsoil must be free of plants or plant parts such as Bermuda grass, quackgrass, Johnsongrass, nutsedge, poison ivy, thistle, or others as specified.

iii. 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.

II. For sites having disturbed areas under 5 acres:

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

iii. For sites having disturbed areas over 5 acres:

i. On soil meeting topsoil specifications, obtain test results dictating fertilizer and lime amendments required to bring the soil into compliance with the following:

a. 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.
b. Organic content of topsoil shall be not less than 1.5 percent by weight.
c. Topsoil having soluble salt content greater than 500 parts per million shall not be used.
d. No sod or seed shall be placed on soil 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 phyto–toxic 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 ammendments specified in 20.0 Vegetative Stabilization–Section I–Vegetative Stabilization Methods and Materials.

V. Topsoil Application

i. 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.

ii. Grades on the areas to be topsoiled, which have been previously established, shall be maintained, albeit 4" – 8" higher in elevation.

iii. 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.

iv. Topsoil shall not be place 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, 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:

1) Preferred–Apply 2 tons per acre dolomitic limestone (92 lbs/ 100 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.)

2) Acceptable–Apply 2 tons per acre dolomatic 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 unrotted 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 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 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 unrotted 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

1. 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).
2. 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.
3. Following initial soil disturbance or redisturbance, permanent or temporary stabilization shall be completed within:
   a) 7 calendar days for all perimeter sediment control stuctures, dikes, perimeter slopes and all slopes greater than 3:1
   b) 14 days as to all other disturbed or graded areas on the project site.
4. 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.
5. 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.
6. 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.
7. SITE ANALYSIS:

Total Area of Site:	0.43 AC
Area Disturbed:	0.43 AC
Area to be roofed or paved:	0.21 AC
Area to be vegetatively stabilized:	0.22 AC
Total Cut:	1554 CY
Total Fill:	24 CY
Offsite Waste/Borrow Area Location:	*

8. Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
9. Additional sediment control must be provided, if deemed necessary by the Howard County DPW Sediment Control Inspector.
10. 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.
11. Trenches for the construction of utilities shall be backfilled and stabilized within one working day, or is limited to three pipe lengths.
12. The total amount of silt fence = _____
13. The total amount of super silt fence = 498 LF
14. The total amount of earth dike = _____

* 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.

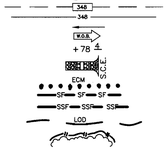
CONSTRUCTION SEQUENCE:

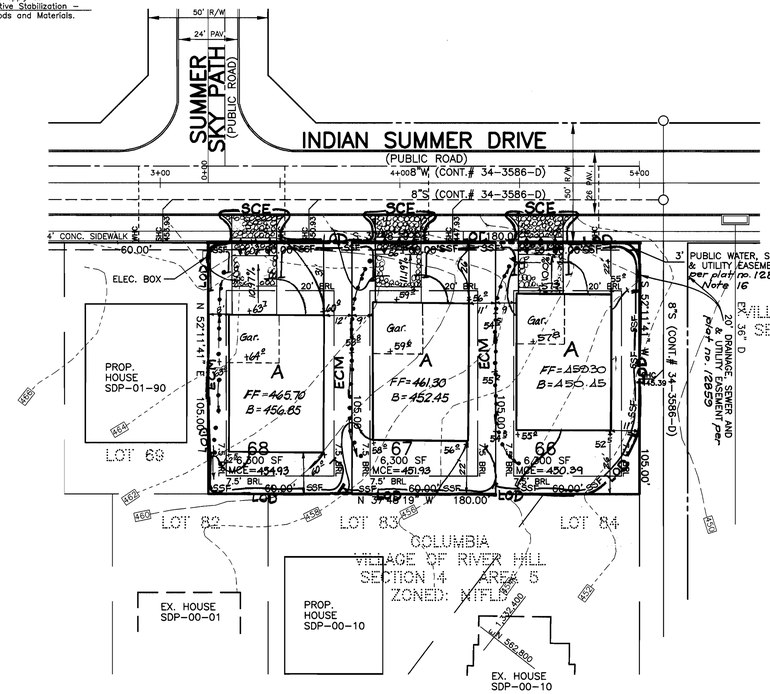
	NO. OF DAYS
1. Obtain grading permit.	7
2. Install tree protection fence.	7
3. Install sediment and erosion control devices and stabilize.	14
4. Excavate for foundations, rough grade and temporarily stabilize.	30
5. Construct structures, sidewalks and driveways.	60
6. Final grade, install Erosion Control 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

LEGEND

CONTOUR INTERVAL 2 FT.
EXISTING CONTOUR 348
PROPOSED CONTOUR 348
DIRECTION OF DRAINAGE
WALK OUT BASEMENT
SPOT ELEVATION +78.4
STABILIZED CONSTRUCTION ENTRANCE SCE
EROSION CONTROL MATTING ECM
SILT FENCE SF
SUPER SILT FENCE SSF
LIMIT OF DISTURBED AREA LOD
TREE PROTECTION FENCE
EXISTING TREES TO REMAIN





OWNER / DEVELOPER

THE HOWARD RESEARCH AND DEVELOPMENT CORP.
10275 LITTLE PAXTUXENT PARKWAY
COLUMBIA, MARYLAND 21044

APPROVED: DEPARTMENT OF PLANNING & ZONING

CHIEF, DEVELOPMENT ENGINEERING DIVISION — DATE 6/6/01
CHIEF, DIVISION OF LAND DEVELOPMENT — DATE 6/8/01
DIRECTOR — DATE 6/11/01

Reviewed for HOWARD S.C.D. and meets Technical Requirements
Signature — Date 6/6/01
U.S. Natural Resources Conservation Service

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT
Approved — for 6/4/01
John R. Robertson

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."

NAME C. ALLAN WASCHAK — 1-24-01 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.

G. NELSON CLARK — 1-24-01 DATE

STATE OF MARYLAND G. NELSON CLARK NO. 7196 REGISTERED PROFESSIONAL ENGINEER — 1-24-01

(9)D:/Drawings/VORH4–5/ALLAN/LOTS66–68

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

DESIGNED DM	SEDIMENT AND EROSION CONTROL PLAN LOTS 66 THRU 68 COLUMBIA VILLAGE OF RIVER HILL SECTION 4 AREA 5 FIFTH (5th) ELECTION DISTRICT HOWARD COUNTY, MARYLAND	SCALE 1" = 30'
DRAWN KQL		DRAWING 2 of 2
CHECKED DM		JOB NO. 99–021
DATE 1-24-01	FOR: ALLAN HOMES, INC. 10260 OLD COLUMBIA ROAD RIVERS CORPORATE PARK COLUMBIA, MARYLAND 21044	FILE NO. 99–021–X

SDP-01-100