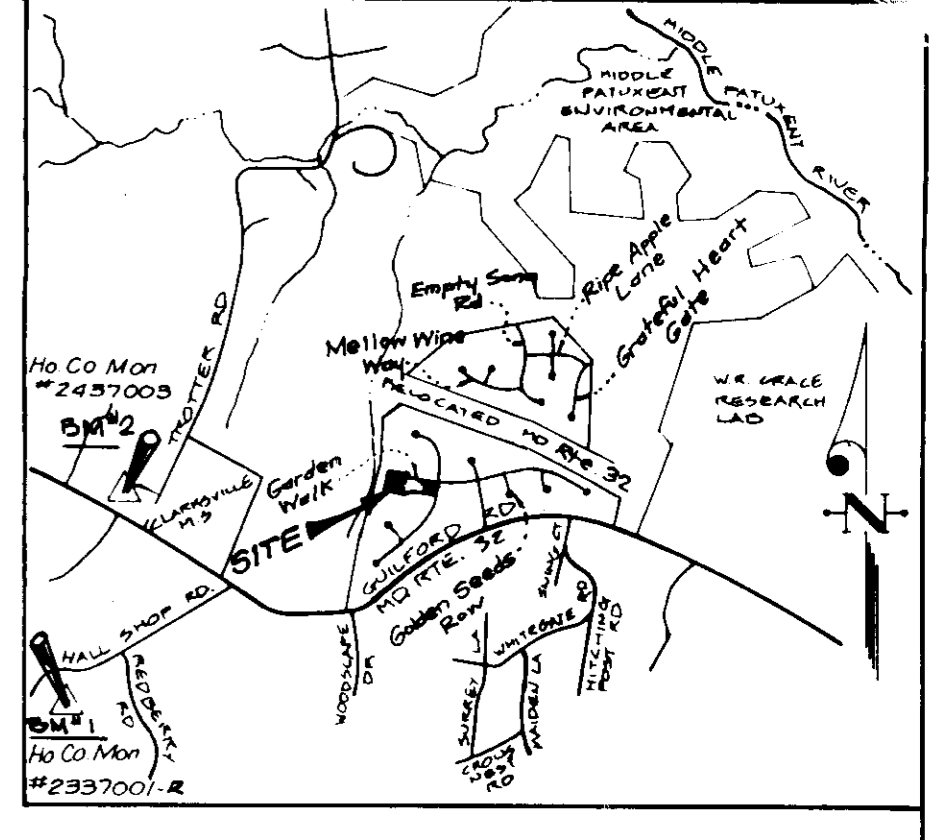


**LEGEND**

Contour Interval 2 Ft  
 Existing Contour   
 Proposed Contour   
 Spot Elevation   
 Direction of Drainage   
 Existing Trees to be saved

**BENCH MARKS**  
 BM #1 HOWARD CO. MON #2337001 ELEV. 496.025  
 REINFORCING ROD 3/4" O.C. BELOW SURFACE  
 NORTH 491612.385 EAST 819527.785  
 BM #2 HOWARD CO. MON #2187005 ELEV. 474.122  
 CONCRETE MONUMENT 0.25 BELOW SURFACE  
 NORTH 424285.231 EAST 820385.343



**VICINITY MAP**  
 SCALE: 1"=200'

**GENERAL NOTES:**

- Subject property is zoned: NT SFLD per 8-2-85 Comprehensive Zoning Plan.
- The total area included in this submission is: 125,375 sq ft or 2.88 AC.
- The total number of lots included in this submission are: 10
- Improvement to property: Single family detached.
- For driveway entrance details refer to Ho Co. Design Manual.
- Volume II of the Design Manual contains the Department of Planning and Zoning reference file numbers are: F-93-81, S-91-03, P-92-15, 1124-3210-DWS.
- Utilities shown as existing are taken from approved water and sewer plan Contract #34-3210-D, approved road construction plans F-93-81, and actual field survey.
- Any damage to county owned rights-of-way shall be corrected at the developer's expense.
- Storm water management is provided per: F-93-81.
- Site lighting, signage and retention facilities.
- All roads and existing.
- The existing topography shown was taken field run by Clark-Finefrock & Sackett, Inc. on Jan. 26, 1994.
- The coordinates shown hereon are based upon the Howard County Geodetic Control which is based upon the Maryland State Plane Coordinate System - Howard County Monument Nos: 2437003 and 2337001-R.
- The contractor shall notify the Department of Public Works/Division of Construction Inspection a (1410) 313-1810 at least five (5) working days prior to the start of work.
- The contractor shall notify "Miss Utility" at 1-800-257-1777 at least 48 hours prior to any excavation work.
- Under certain conditions, decks and porches may extend 3 feet into front and rear setbacks/areas as defined in F.O.P. Phase 200.
- The wetland/stream buffer indicated on the plan prohibits subsequent clearing, grading or construction in the buffer area. Maintenance of residences, landscaping and utilities is permitted.
- The GS-dBA Noise contour line represents the approximate location of the GS-dBA (Daytime) noise exposure line, generated by MD 32 traffic in the year 2015 based upon assumptions about actual traffic volumes at that time. This value represents the average sound level during the single noisiest one-hour period of vehicular traffic during a typical day. This calculation is based on the State Highway Administration's estimate of year 2015 highway traffic volume. The contour line shown on this plan is advisory as required by Howard County Design Manual, Volume III, Chapter 5, Revised February 1992 and cannot be considered to locate a specific GS-dBA exposure.

**SHEET INDEX**

Sheet 142 Site Development Plan  
 Sheet 345 Sediment and Erosion Control Plan

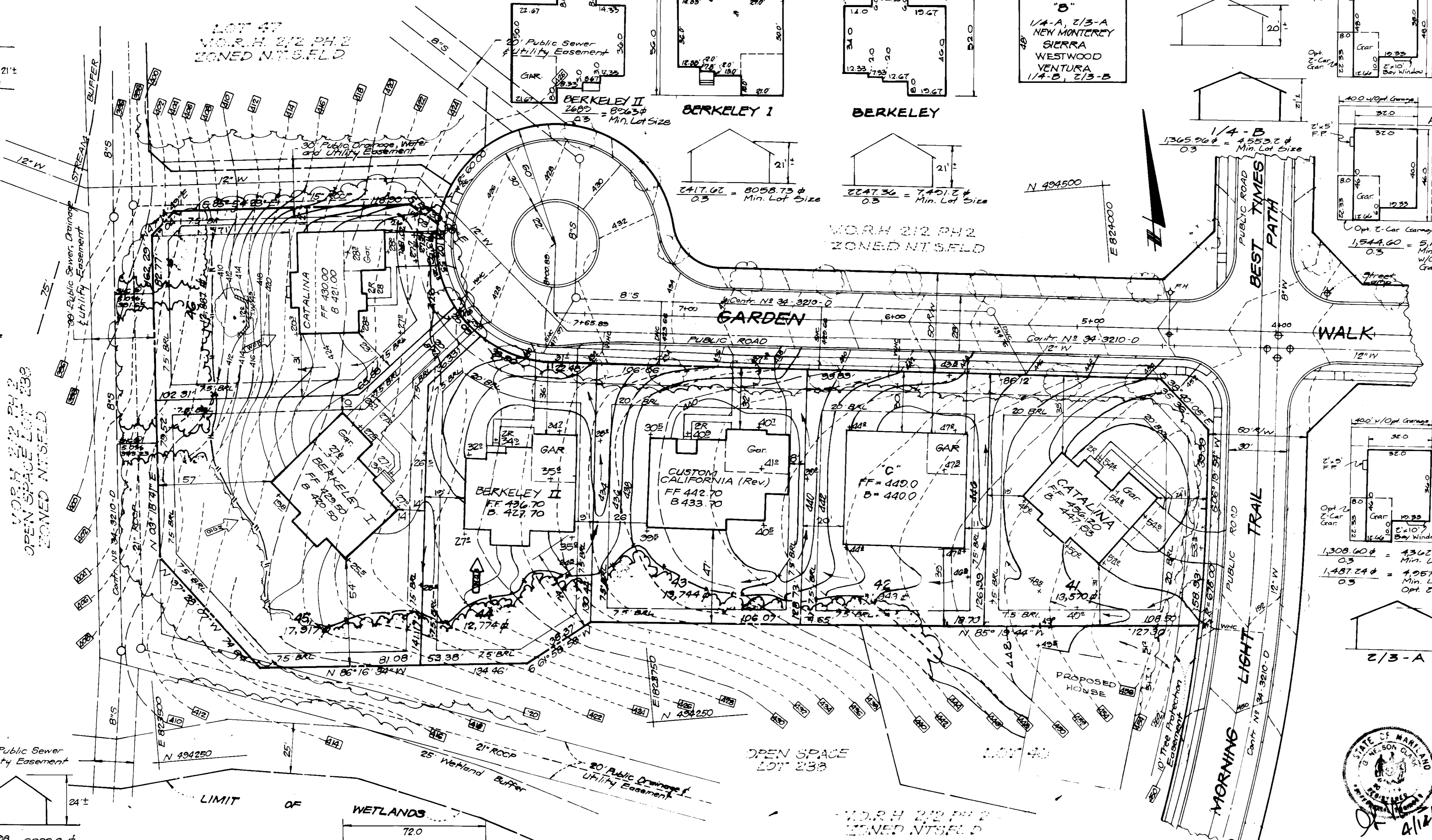
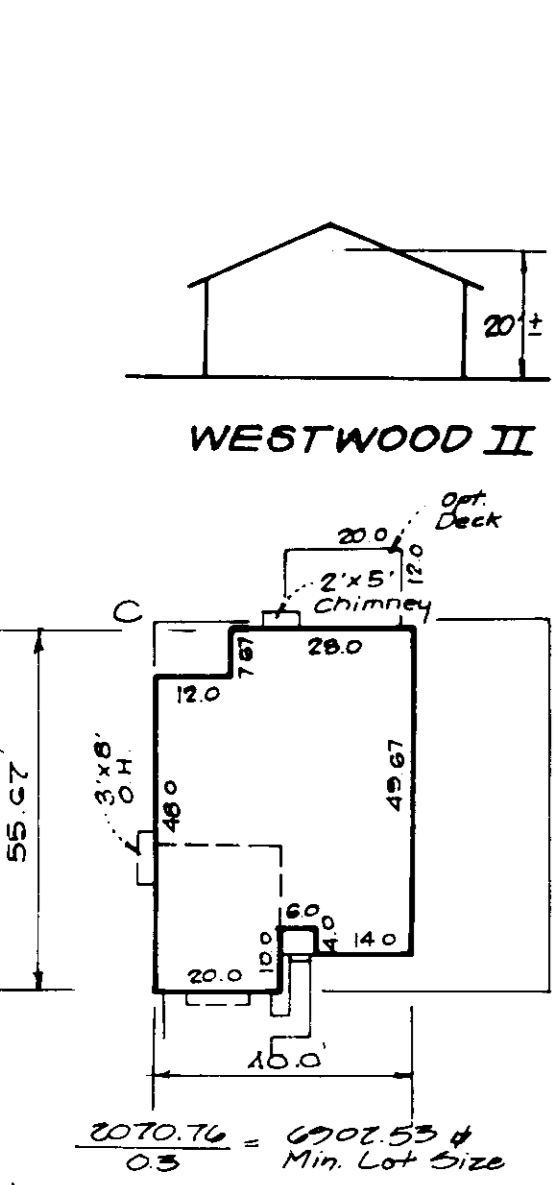
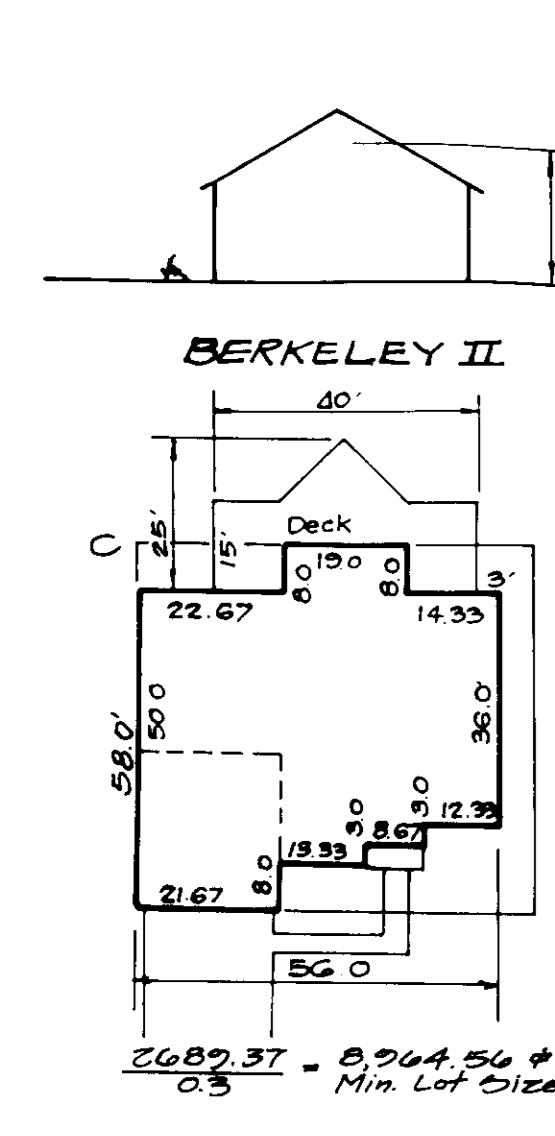
**SPECIAL NOTES:**

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-93-81 and/or approved Water and Sewer Plans Contract #34-3210-D.

**OWNER/DEVELOPER**

THE HOWARD RESEARCH AND DEVELOPMENT CORPORATION  
 10275 Little Patuxent Pkwy  
 Columbia, Maryland 21044

SUBMISSION NAME	COLUMBIA	SECTION/AREA	2/2 Ph 2	LOT/PARENT	41-46
Village of River Hill		TAX MAP NO.	121.127	CENSUS TRACT	C055
PLAT NO.	10995	BLOCK NO.	15	ELECTION DIST.	5TH
WATER CODE	BC1	SEWER CODE	2155000		



**ADDRESS CHART**

LOT NUMBER	STREET ADDRESS
41	7100 MORNING LIGHT TRAIL
42	7085 GARDEN WALK
43	7067 GARDEN WALK
44	7051 GARDEN WALK
45	7035 GARDEN WALK
46	7029 GARDEN WALK

**REVISIONS**

No	Rev. hse. and grade lot 45	Date
5	Rev. hse. 1 and lot 44; Add BERKELEY II hse. typ	2-18-95
4	Rev. hse. 1 and lot 41; Rev. address	3-27-95
3	Rev. hse. 1 and lot 43; Add hse. typical	2-17-95
2	Rev. hse. 1 and lot 46; Add hse. typical	10-27-94
1	Rev. hse. and grade lot 45	2-16-94

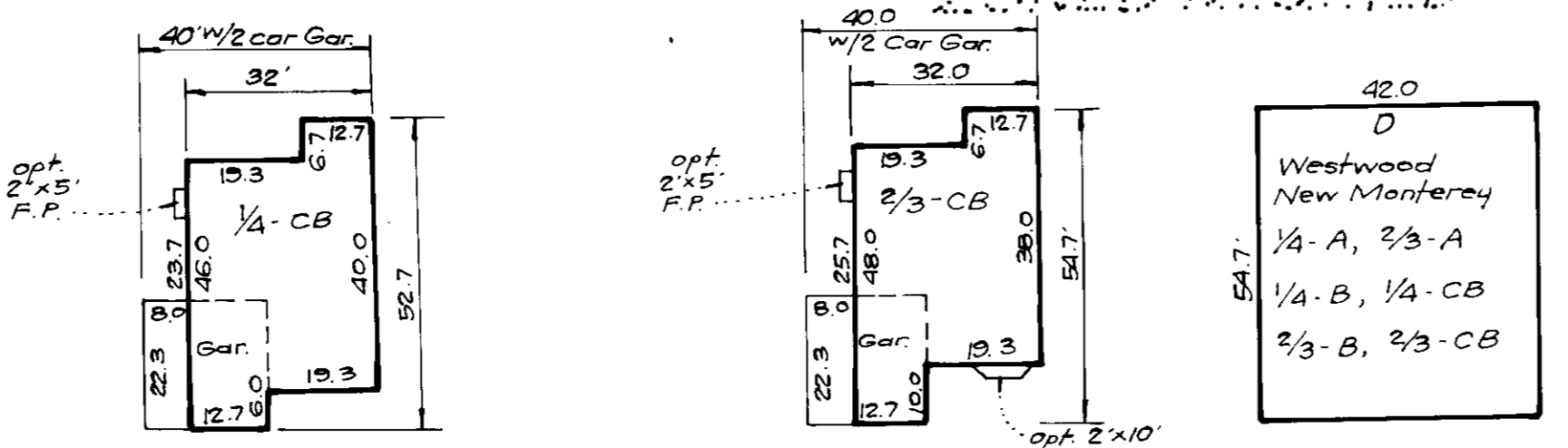
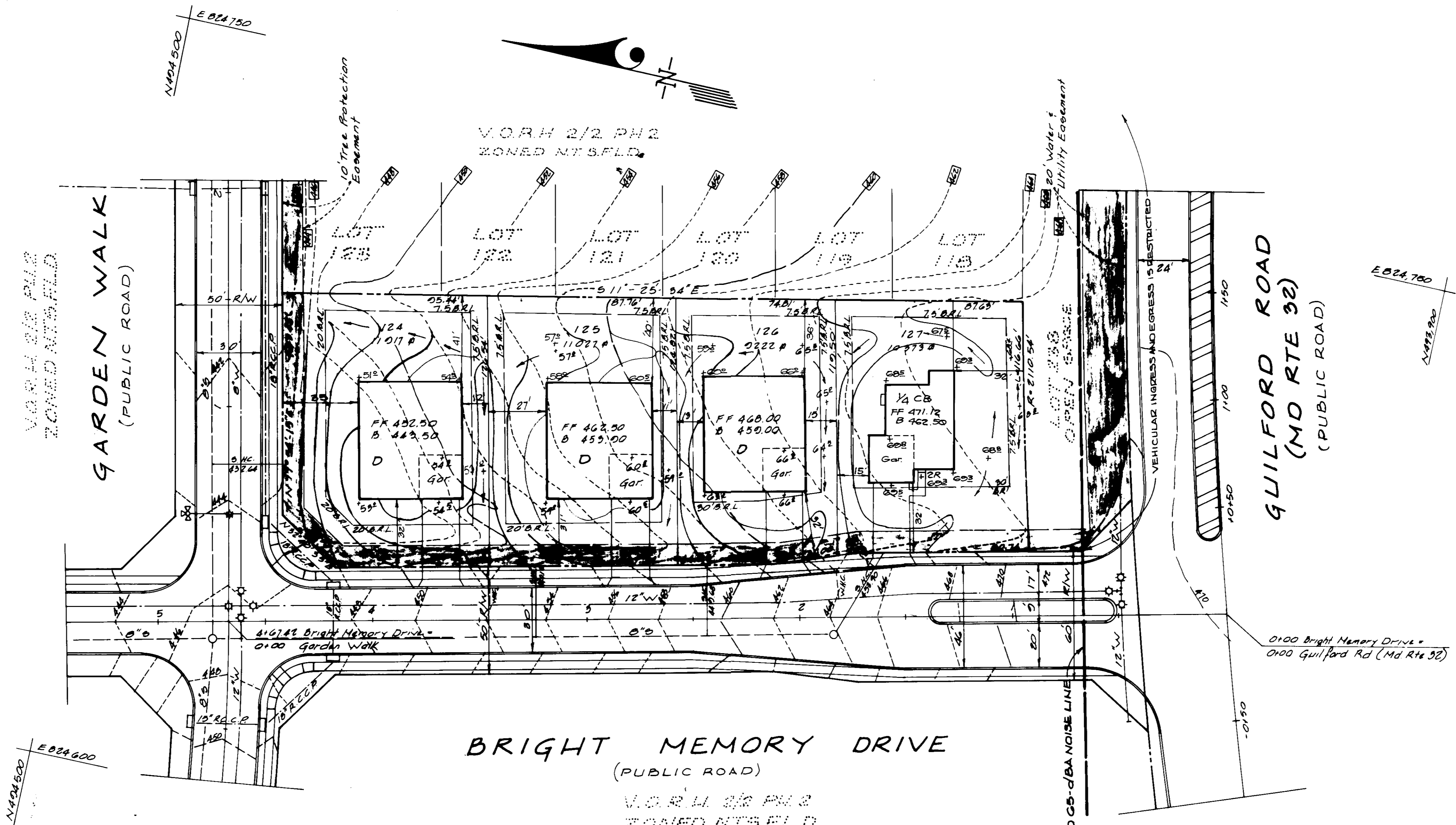
APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING  
 Director: *[Signature]* 4/29/94  
 DATE: 4/29/94  
 CHIEF DIVISION OF LAND DEVELOPMENT AND RESEARCH  
 APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 Director: *[Signature]* 4/25/94  
 DATE: 4/22/94  
 CHIEF BUREAU OF ENGINEERING

**CLARK • FINEFROCK & SACKETT, INC.**  
 ENGINEERS • PLANNERS • SURVEYORS  
 7135 MINISTREY WAY • COLUMBIA, MD 21046 • (301) 991-7500 • BALTO • (410) 421-9999 • WA-GA

**SITE DEVELOPMENT PLAN**  
 LOTS 41-46 & LOTS 124-127  
**COLUMBIA**  
 VILLAGE OF RIVER HILL  
 SECTION 2 AREA 2 PHASE 2  
 FIFTH ELECTION DISTRICT  
 HOWARD COUNTY MARYLAND  
 For ALLAN HOMES, INC.  
 10260 Old Columbia Rd  
 Columbia, Md. 21046

DESIGNED: R.M.T.  
 DRAWN: BAL  
 CHECKED: J.M.E.  
 DATE: MARCH, 1994

SCALE: 1"=30'  
 DRAWING: 1 OF 5  
 JOB NO: 34015  
 FILE NO: 34013 X  
 SHEET: 14-2



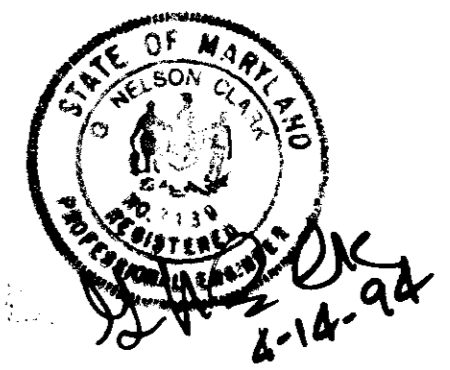
NOTE: The Westwood, New Monterey, 1/4-A, 2/3-A, 1/4-B, 2/3-B house types are shown on sheet 1 SDP 94-92.

1035 = 3450 ± Min. Lot Size  
 1213 = 4044 ± Min. Lot Size w/2 Car Gar.  
 1428 = 4760 ± Min. Lot Size  
 1606 = 5355 ± Min. Lot Size w/2 Car Gar.

LOT NUMBER	ADDRESS
124	7012 BRIGHT MEMORY DRIVE
125	7008 BRIGHT MEMORY DRIVE
126	7004 BRIGHT MEMORY DRIVE
127	7000 BRIGHT MEMORY DRIVE

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

2	Rev. base & grad. lot 127	12-12-94
1	Add 1/4-CB and 2/3-CB hse. Typically Rev. Generic Boxes Lot 124-126 to "D"	9-9-94
<b>REVISIONS</b>		
APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING		
<i>[Signature]</i>	DATE	4/29/94
<i>[Signature]</i>	DATE	4/21/94
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS		
<i>[Signature]</i>	DATE	4/25/94
<i>[Signature]</i>	DATE	4/22/94

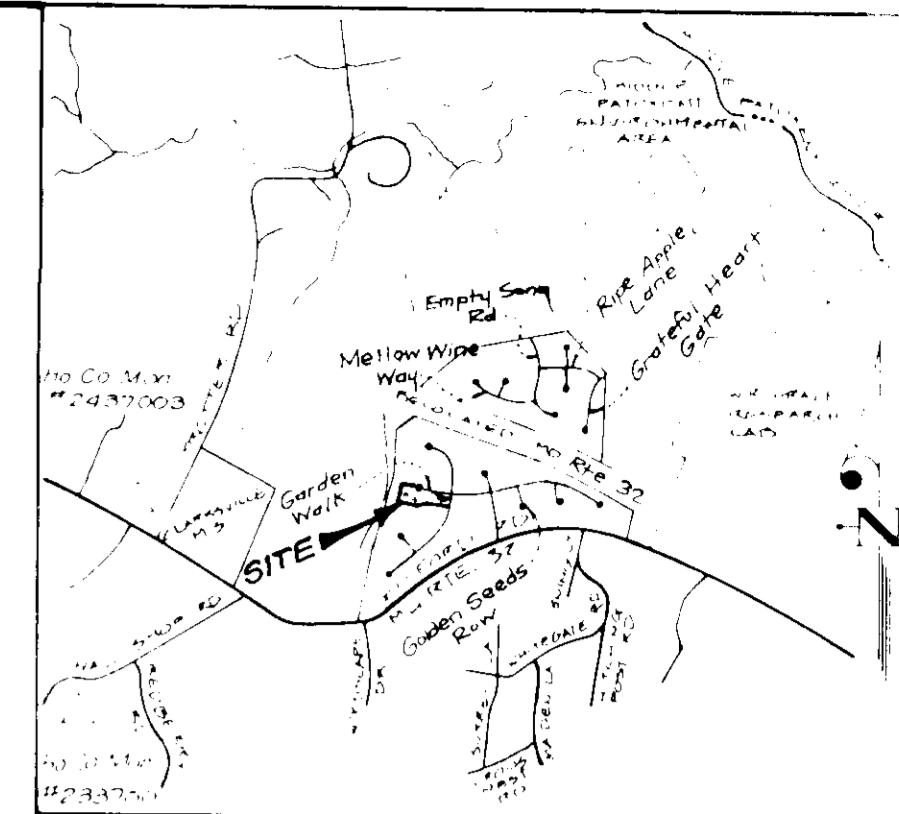


**CLARK • FINEFROCK & SACKETT, INC.**  
 ENGINEERS • PLANNERS • SURVEYORS  
 7135 MINSTREL WAY • COLUMBIA, MD 21045 • (410) 381-7500 BALTO • (301) 821-8100 WASH

DESIGNED J.M.E.	<b>SITE DEVELOPMENT PLAN</b> LOTS 21-26 & LOTS 124-127 <b>COLUMBIA</b> <b>VILLAGE OF RIVER HILL</b> SECTION 2 AREA 2 PHASE 2 FIFTH ELECTION DISTRICT HOWARD COUNTY MARYLAND	SCALE 1" = 30'
DRAWN C.A.F.		DRAWING 2 of 5
CHECKED J.M.E.		JOB NO. 04015
DATE MARCH 9, 1994		FILE NO. 04-015-X
		For ALLAN HOMES, INC. 10260 Old Columbia Rd Columbia, Md 21046

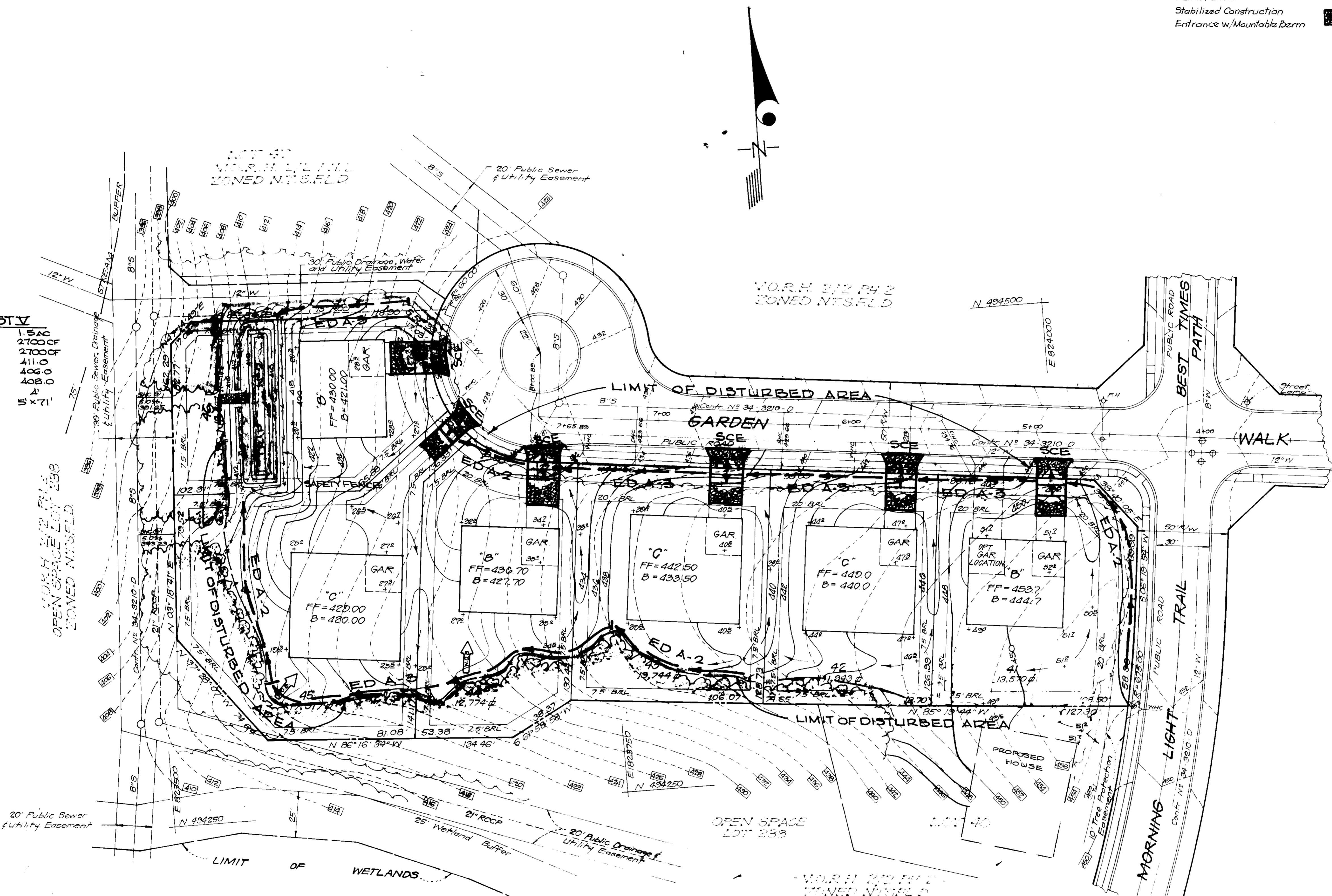
**LEGEND**

- Contour Interval 2 Ft
- Existing Contour
- Proposed Contour
- Spot Elevation
- Direction of Drainage
- Existing Trees to be saved
- Tree Protection Fence
- Earth Dike
- Stabilized Construction
- Entrance w/ Mountable Berm



VICINITY MAP

**TRAP NO 2 SOST STV**  
 DRAINAGE AREA 1.5AC  
 STORAGE REQUIRED 2700 CF  
 STORAGE PROVIDED 2700 CF  
 TOP OF STONE CREST 411.0  
 BOTTOM ELEVATION 406.0  
 CLEANOUT ELEVATION 408.0  
 DEPTH 4'  
 BOTTOM DIMENSIONS L x G  
 5' x 7'  
 1:1 SIDE SLOPES IN CUT



Reviewed for HOWARD S.C.D.  
 Name  
 and meets Technical Requirements  
*Catherine Engelke*  
 Signature  
 Date  
 US Soil Conservation Service

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT  
*[Signature]*  
 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]*  
 Signature Date  
 C. ALLAN WASCHAK, PRESIDENT 3-5-94

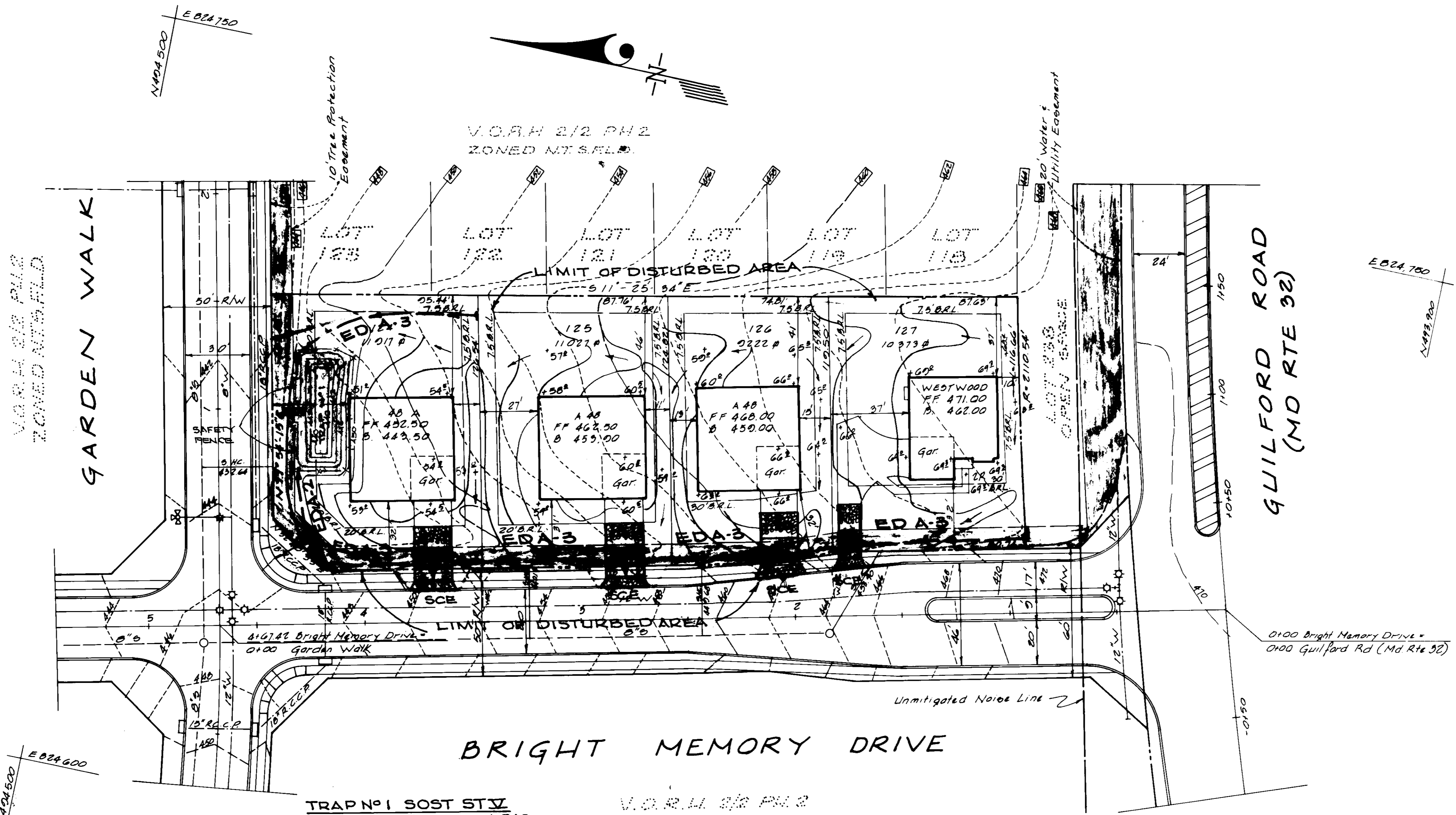
**ENGINEER'S CERTIFICATE**  
 I hereby certify that this plan for Sediment and Erosion Control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.  
*[Signature]*  
 Signature Date  
 G. NELSON CLARK 3-5-94



APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING  
*[Signature]* 4/29/94  
 DATE  
*[Signature]* 4/29/94  
 DATE  
 APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
*[Signature]* 4/25/94  
 DATE  
*[Signature]* 4/22/94  
 DATE

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

**CLARK • FINEFROCK & SACKETT, INC.**  
 ENGINEERS • PLANNERS • SURVEYORS  
 1000 WASHINGTON BLVD., SUITE 410, WASHINGTON, D.C. 20004  
 DESIGNED: J.L.S.  
 DRAWN: R.M.T., B.A.L.  
 CHECKED: J.L.S.  
 DATE: MARCH 9, 1994  
**SEDIMENT/EROSION CONTROL PLAN**  
 LOTS 41-46 & LOTS 124-127  
**COLUMBIA VILLAGE OF RIVER HILL SECTION 2 AREA 2 PHASE 2 FIFTH ELECTION DISTRICT HOWARD COUNTY MARYLAND**  
 SCALE: 1"=30'  
 DRAWING: 3 OF 5  
 JOB NO: 94-013  
 FILE NO: 94013SE  
 ALLAN HOMES, INC.  
 10260 Old Columbia Rd  
 Columbia, Md. 21046



TRAP NO. 1 SOST STY

1. OAC	1.000 CF
STORAGE REQUIRED	1800 CF
STORAGE PROVIDED	1800 CF
TOP OF STONE CREST	445.0
BOTTOM ELEVATION	440.0
CLEANOUT ELEVATION	442.0
DEPTH	4'
BOTTOM DIMENSIONS	6' x 41'
L: 4'	
1:1 SIDE SLOPES IN CUT	

V.O.R.H. 2/2 PH 2  
ZONED N.T.S.F.L.D.

Reviewed for HOWARD S.C.D.  
Name  
and meets Technical Requirements  
Signature *Arthur Engle* Date *9/18/94*  
US Soil Conservation Service

THIS DEVELOPMENT PLAN IS APPROVED  
FOR SOIL EROSION AND SEDIMENT  
CONTROL BY THE HOWARD SOIL  
CONSERVATION DISTRICT.  
Signature *John H. King* Date *9/18/94*  
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 *C. Allan Waschak* Date *3-8-94*  
C. ALLAN WASCHAK, PRESIDENT

ENGINEER'S CERTIFICATE  
I hereby certify that this plan for Sediment and Erosion Control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.  
Signature *G. Nelson Clark* Date *3-9-94*  
G. NELSON CLARK

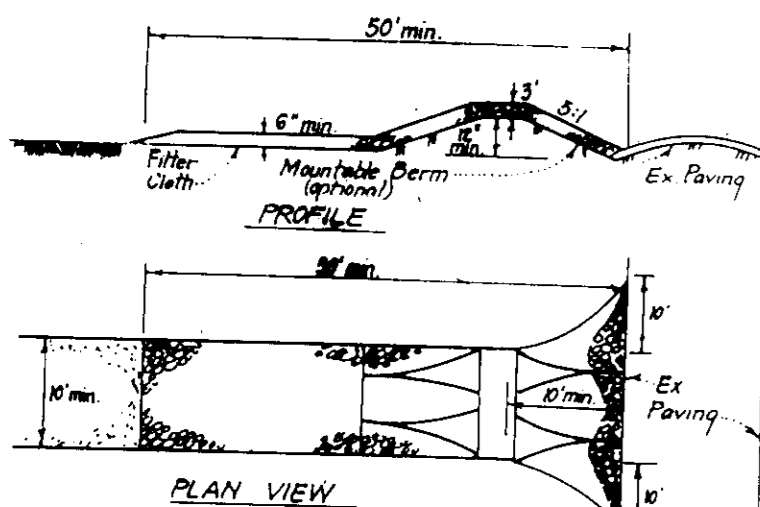


OWNER / DEVELOPER  
THE HOWARD RESEARCH AND DEVELOPMENT CORP.  
10275 LITTLE PATUXENT PARKWAY  
COLUMBIA, MARYLAND 21044

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING  
Director *John S. Smith* Date *4/29/94*  
Chief Division of Land Development and Research  
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE  
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
Director *James H. Green* Date *4/25/94*  
Chief Bureau of Engineering Date *4/22/94*

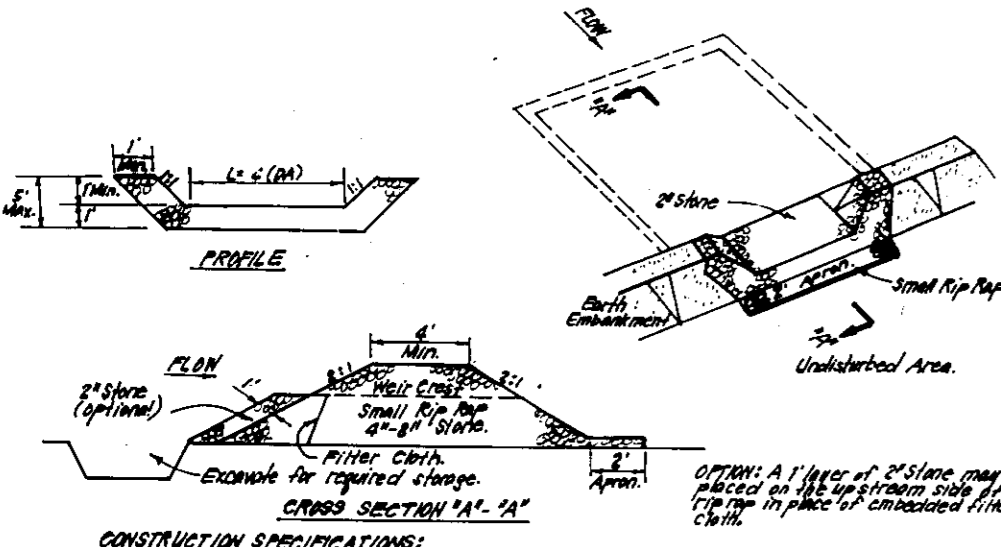
**CLARK • FINEFROCK & SACKETT, INC.**  
ENGINEERS • PLANNERS • SURVEYORS  
7135 MINSTREL WAY • COLUMBIA, MD 21045 • (410) 381-7500 BALTO • (301) 621-8100 WASH

DESIGNED J.L.S.	<b>SEDIMENT &amp; EROSION CONTROL PLAN</b> LOTS 41, 46 & LOTS 121-127 <b>COLUMBIA VILLAGE OF RIVER HILL</b> SECTION 2 AREA 2 PHASE 2 FIFTH ELECTION DISTRICT HOWARD COUNTY MARYLAND For ALLAN HOMES, INC. 10260 Old Columbia Rd. Columbia, Md 21046	SCALE 1" = 30'
DRAWN E.M.T. C.A.F.		DRAWING A OF 5
CHECKED J.L.S.		JOB NO 04013
DATE MARCH 9, 1994		FILE NO 04-0135



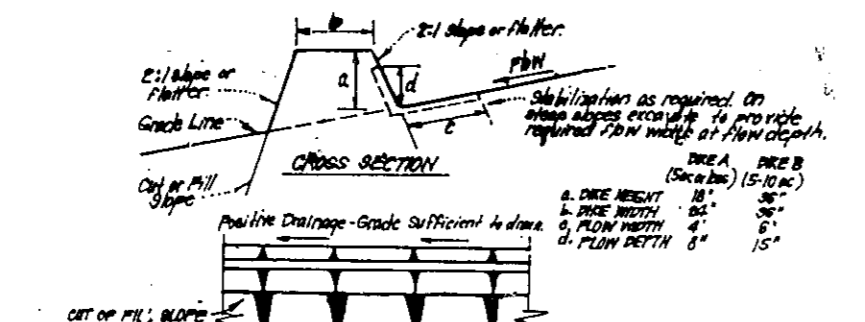
- CONSTRUCTION SPECIFICATIONS:**
- Stone size - Use 2" stone, or equivalent or recycled concrete equivalent.
  - Length - As required, but not less than 50 feet (except on a single residence lot where a 30 foot minimum length would apply).
  - Thickness - Not less than 6" inches.
  - Width - Ten (10) feet minimum, but not less than the full width of points where ingress or egress occurs.
  - Filter Cloth - Will be placed over the entire area prior to placing of stone. Filter will not be required on single family residence lot.
  - Surface Water - All surface water flowing or diverted toward construction entrances shall be piped across the entrance. If piping is impractical, a mound of berm with 5:1 slopes will be provided.
  - Maintenance - The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment onto public rights-of-way. This may require periodic top dressing with additional stone as construction demand and/or repair and/or cleaning of any measures used to trap sediment. All sediment applied, dropped, washed or tracked onto public rights-of-way must be removed immediately.
  - Washing - Wheels shall be cleaned to remove sediment prior to entrance onto public rights-of-way. When washing is required, it shall be done on an area stabilized with stone and which shall not be an approved sediment trapping device.
  - Periodic inspection and needed maintenance shall be provided after each run.

**STABILIZED CONSTRUCTION ENTRANCE (SCE)**  
NO SCALE



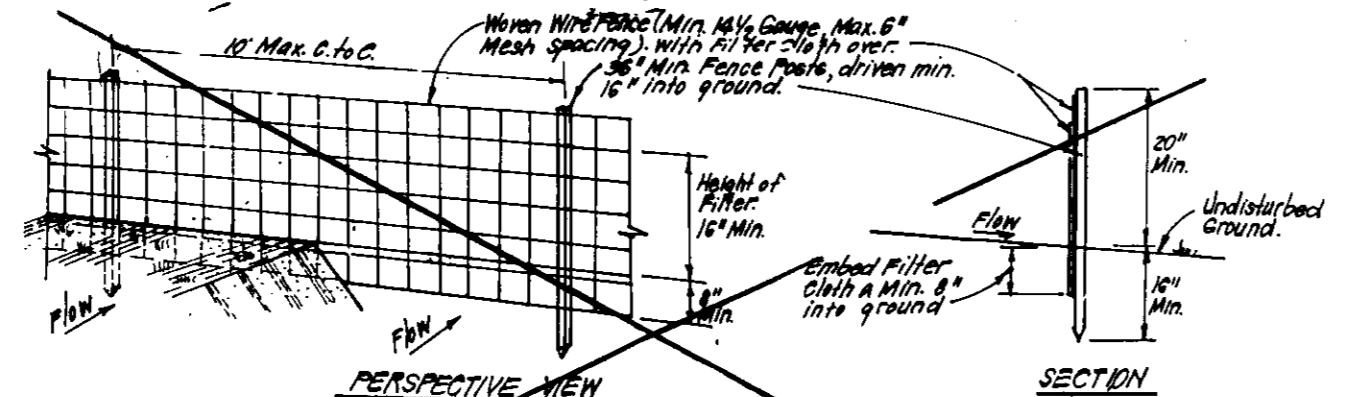
- CONSTRUCTION SPECIFICATIONS:**
- Trap body construction shall be checked, graded and sloped if any vegetation and root mat. The trap shall be 2' high.
  - The 15' minimum for the embankment shall be free of roots and other woody vegetation as well as any debris, rocks, etc. which could be a tripping hazard. The embankment shall be compacted to a minimum of 95% relative compaction.
  - At least 15' of stone shall be placed in the trap.
  - The stone used in the outlet shall be sized 1/2" to 1" with a thickness of 1/2" appropriate placed on the non-stone side of the outlet. An additional 15' of stone shall be placed on the non-stone side of the outlet.
  - Additional 15' of stone shall be placed on the original dimensions when the sediment has been removed to the stone outlet.
  - The structure shall be inspected after each run and repairs made as needed.
  - Construction equipment shall be removed to such a degree that erosion and water pollution is minimized.
  - The structure shall be removed and the area stabilized when the drainage area has been properly stabilized.

**STONE OUTLET SEDIMENT TRAP (S.O.S.T.) ST.V.**  
NO SCALE



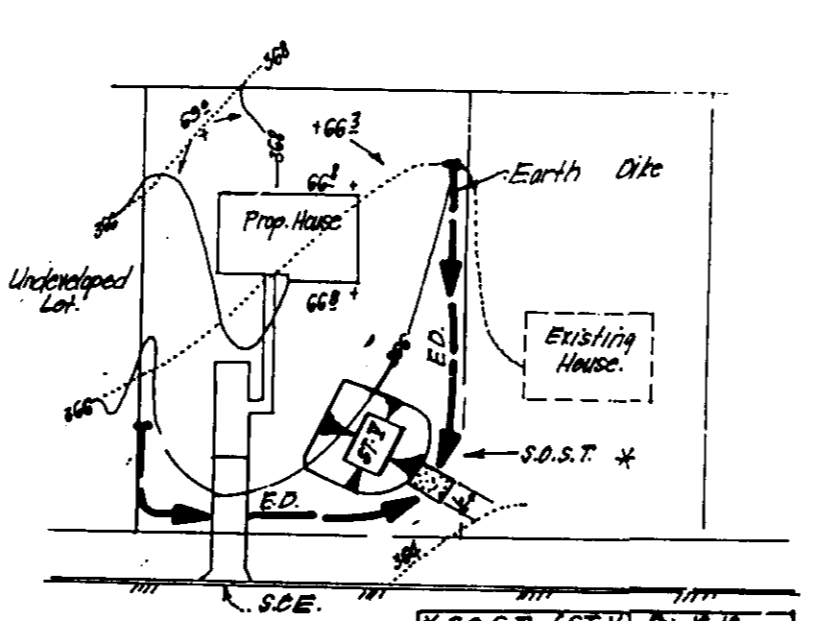
- CONSTRUCTION SPECIFICATIONS:**
- Earth dike shall be constructed by earth-moving equipment.
  - All dikes shall have positive drainage to an outlet.
  - The dike shall be wider and taller than the full width of points where ingress or egress occurs.
  - Each dike shall have an outlet that functions with a minimum of 100 sq. ft. of area. The outlet shall be a minimum of 100 sq. ft. of area. The outlet shall be a minimum of 100 sq. ft. of area.
  - Surface water shall be piped across the dike. If piping is impractical, a mound of berm with 5:1 slopes will be provided.
  - Maintenance - The dike shall be maintained in a condition which will prevent tracking or flowing of sediment onto public rights-of-way. This may require periodic top dressing with additional stone as construction demand and/or repair and/or cleaning of any measures used to trap sediment. All sediment applied, dropped, washed or tracked onto public rights-of-way must be removed immediately.
  - Washing - Wheels shall be cleaned to remove sediment prior to entrance onto public rights-of-way. When washing is required, it shall be done on an area stabilized with stone and which shall not be an approved sediment trapping device.
  - Periodic inspection and needed maintenance shall be provided after each run.

**EARTH DIKE DETAIL (E.D.)**  
NO SCALE



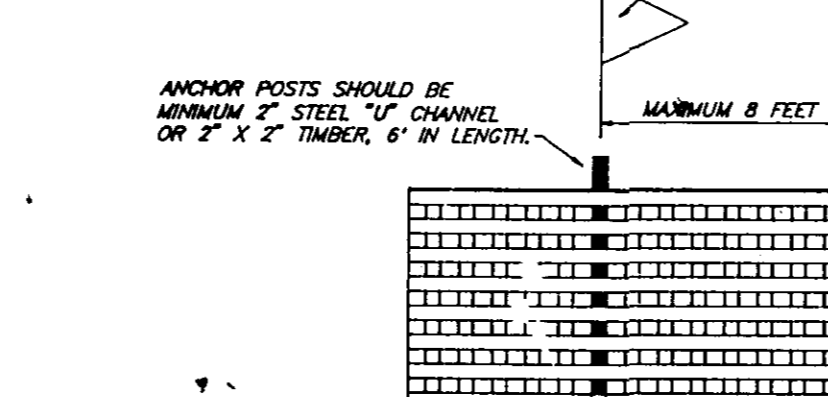
- CONSTRUCTION SPECIFICATIONS:**
- Woven wire fence to be fastened securely to fence posts with wire ties or staples.
  - Filter cloth to be fastened securely to woven wire fence with 1/2" spaced every 6" at top and mid section.
  - When 2 sections of filter cloth meet each other they shall be overlapped by 6" and stapled.
  - Maintenance shall be performed as needed and material removed when subject to debris on soil fence.

**SILT FENCE DETAIL (S)**  
NO SCALE



**\* NOTE: Single lot detail cannot be utilized if any two lots border common property lines are to be disturbed at the same time or on any lots showing a sediment trap.**

**SINGLE LOT SEDIMENT CONTROL PLAN**  
NO SCALE



**ANCHOR POSTS SHOULD BE MINIMUM 2" STEEL 1/2" CHANNEL OR 2" X 2" TIMBER, 6' IN LENGTH.**

**USE 8" WIRE "U" TO SECURE FENCE BOTTOM.**

**ANCHOR POSTS MUST BE INSTALLED TO A DEPTH OF NO LESS THAN 1/3 OF THE TOTAL HEIGHT OF THE POST.**

**BLAZE ORANGE PLASTIC MESH TYPICAL TREE PROTECTION FENCE DETAIL**  
NO SCALE

- NOTES:**
- Fence protection device only.
  - Retention area will be set as part of the review process.
  - Boundaries of retention area should be staked and flagged prior to installing device.
  - Root damage should be avoided.
  - Protection signage may also be used.
  - Device should be maintained throughout construction.

**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./1000 sq.ft.) before seeding, 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 dolomitic limestone (92 lbs./1000 sq ft.) and 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 6000 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 (.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 unrattled 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 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 16 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 unrattled 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 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.

**SEDIMENT AND EROSION CONTROL NOTES**

- A minimum of 24 hours notice must be given to the Howard County Office of Inspection and Permit prior to the start of any construction (S19-1855).
- All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the 1983 MARYLAND STANDARDS AND SPECS. FOR SOIL EROSION AND SEDIMENT CONTROL.
- Following initial soil disturbance or redistribution, permanent or temporary stabilization shall be completed within a) 7 calendar days for all perimeter sediment control structures, 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.
- All sediment traps/basins shown must be fenced and warning signs posted around their perimeters in accordance with Vol. 1, Chapter 12, of the HOWARD COUNTY DESIGN MANUAL, Storm Drainage.
- All disturbed areas must be stabilized within the time period specified above in accordance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for permanent seedings (Sec.51) and (Sec.54), temporary seeding (Sec.50) and mulching (Sec.52). 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:	2.88 AC
Area Disturbed:	2.60 AC
Area to be seeded or paved:	0.83 AC
Area to be vegetatively stabilized:	1.77 AC
Total Cut:	8400 CY
Total Fill:	8400 CY
- Offsite Waste/Borrow Area Location: \_\_\_\_\_
- Additional sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
- Additional sediment control must be provided, if deemed necessary by the Howard County DPW Sediment Control Inspector.
- On all sites with disturbed areas in excess of 2 acres, approval of the inspection agency shall be requested upon completion of installation of perimeter erosion and sediment controls, but before proceeding with any other earth disturbance or grading. Other building or grading inspection approvals may not be authorized until this initial approval by the inspection agency is made.
- All pipes to be blocked at the end of each day (see detail this sheet).
- The total amount of silt fence: \_\_\_\_\_

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 and stabilize in accordance with S19 and Specs.	30
7. Upon approval of the sediment control inspector, remove sediment and erosion control devices and stabilize.	30

\*Delay construction of houses on lots: 40 & 124. See single lot sediment control detail, this sheet.

**OWNER / DEVELOPER**

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

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING

Director: *[Signature]* 4/29/94  
DATE: 4/29/94

CHIEF DIVISION OF LAND DEVELOPMENT AND RESEARCH

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

Director: *[Signature]* 4/25/94  
DATE: 4/25/94

CHIEF BUREAU OF ENGINEERING: *[Signature]* 4/22/94  
DATE: 4/22/94

Reviewed for: HOWARD S.C.D. Name: \_\_\_\_\_  
Meets Technical Requirements: *[Signature]* 4/29/94  
Signature: \_\_\_\_\_ Date: 4/29/94  
US Soil Conservation Service

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT

*[Signature]* 4/29/94  
Date: 4/29/94

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]* 3-8-94  
Signature: C. ALLAN WASCHAK, PRESIDENT Date: 3-8-94

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]* 3-9-94  
Signature: G. NELSON CLARK Date: 3-9-94



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

7135 MINSTREL WAY • COLUMBIA, MD 21045 • (410) 381-7500 • BALTO • (301) 621-8000 • WASH

DESIGNED	J.L.S.	SCALE	1" = 30'
DRAWN <td>R.M.T. <td>DRAWING <td>5 OF 5</td> </td></td>	R.M.T. <td>DRAWING <td>5 OF 5</td> </td>	DRAWING <td>5 OF 5</td>	5 OF 5
CHECKED <td>J.L.S. <td>JOB NO. <td>94-013</td> </td></td>	J.L.S. <td>JOB NO. <td>94-013</td> </td>	JOB NO. <td>94-013</td>	94-013
DATE <td>MARCH 9, 1994 <td>FILE NO. <td>94-013SE</td> </td></td>	MARCH 9, 1994 <td>FILE NO. <td>94-013SE</td> </td>	FILE NO. <td>94-013SE</td>	94-013SE

**SEDIMENT & EROSION CONTROL PLAN**  
LOTS 41 - 46 & LOTS 121 - 127  
**COLUMBIA**  
VILLAGE OF RIVER HILL  
SECTION 2 AREA 2 PHASE 2  
FIFTH ELECTION DISTRICT  
HOWARD COUNTY MARYLAND

FOR: ALLAN HOMES, INC.  
10260 Old Columbia Rd  
Columbia, Md. 21046