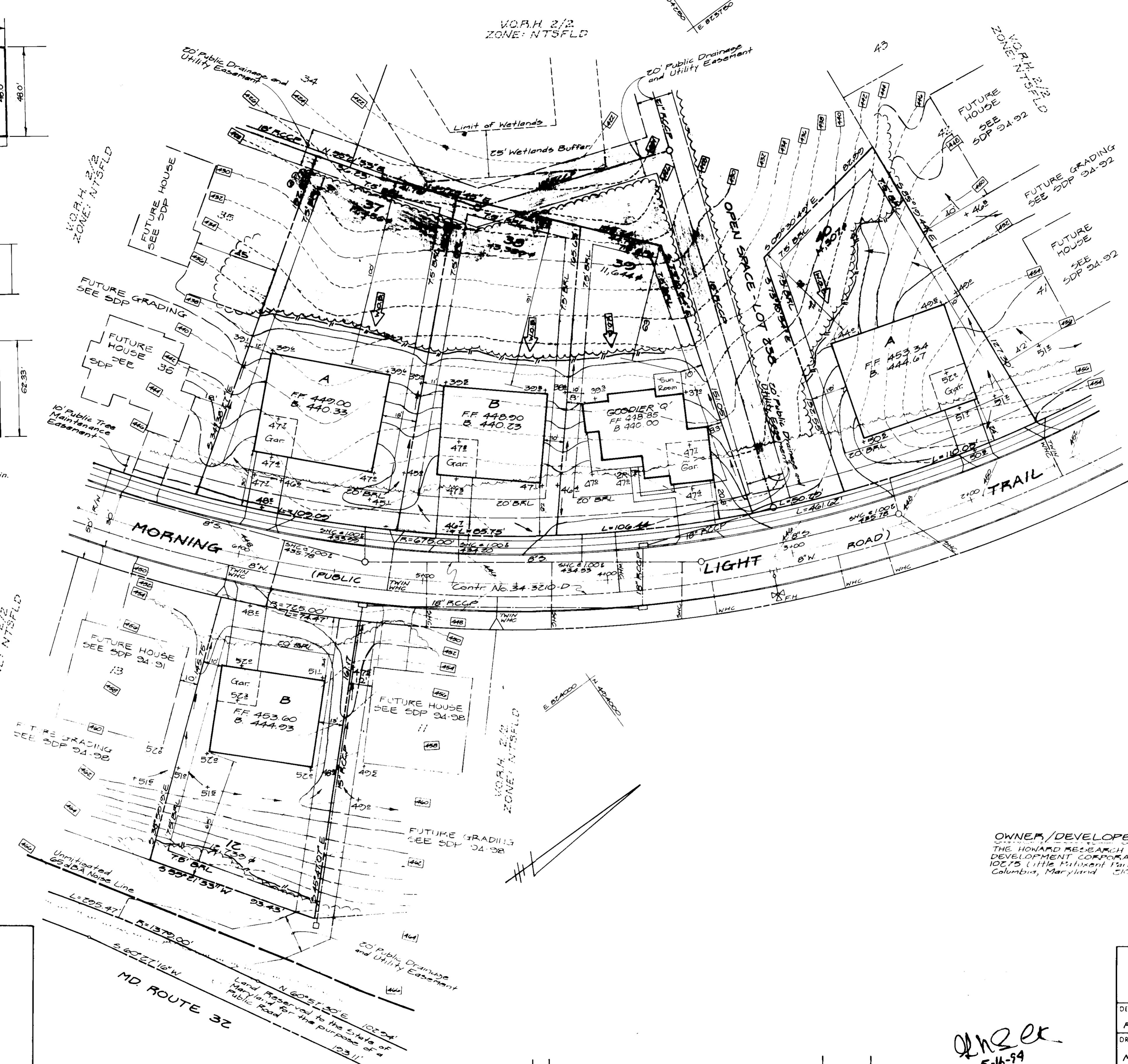
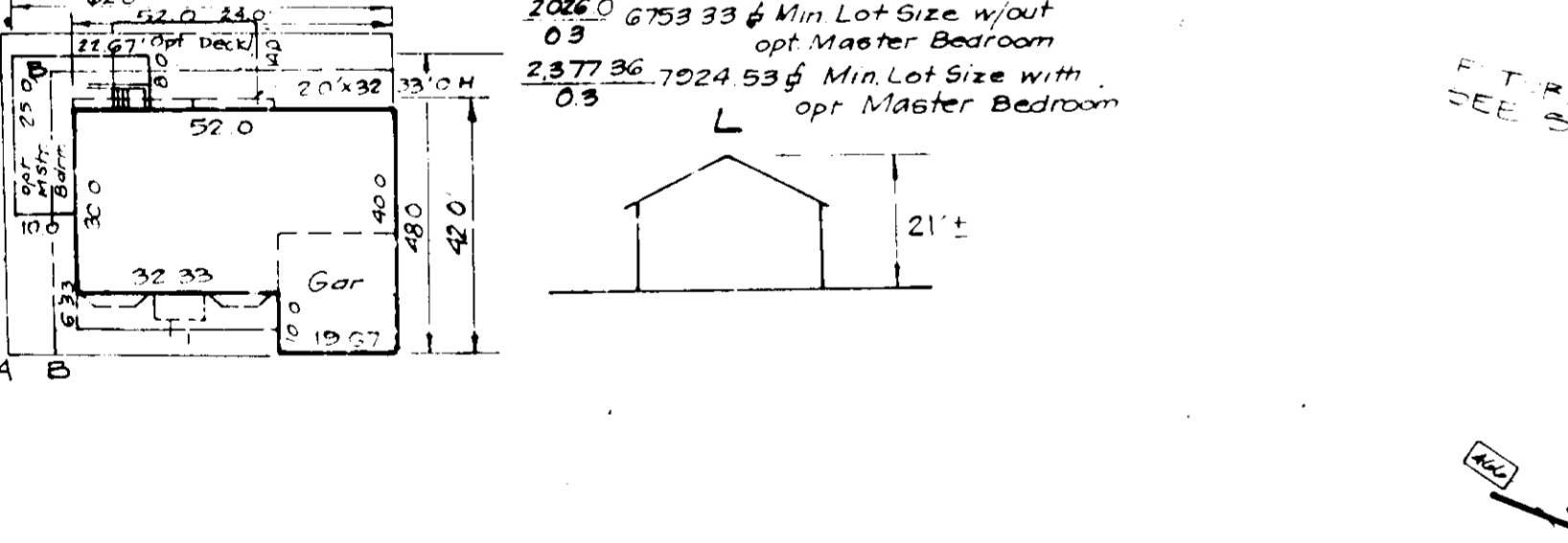
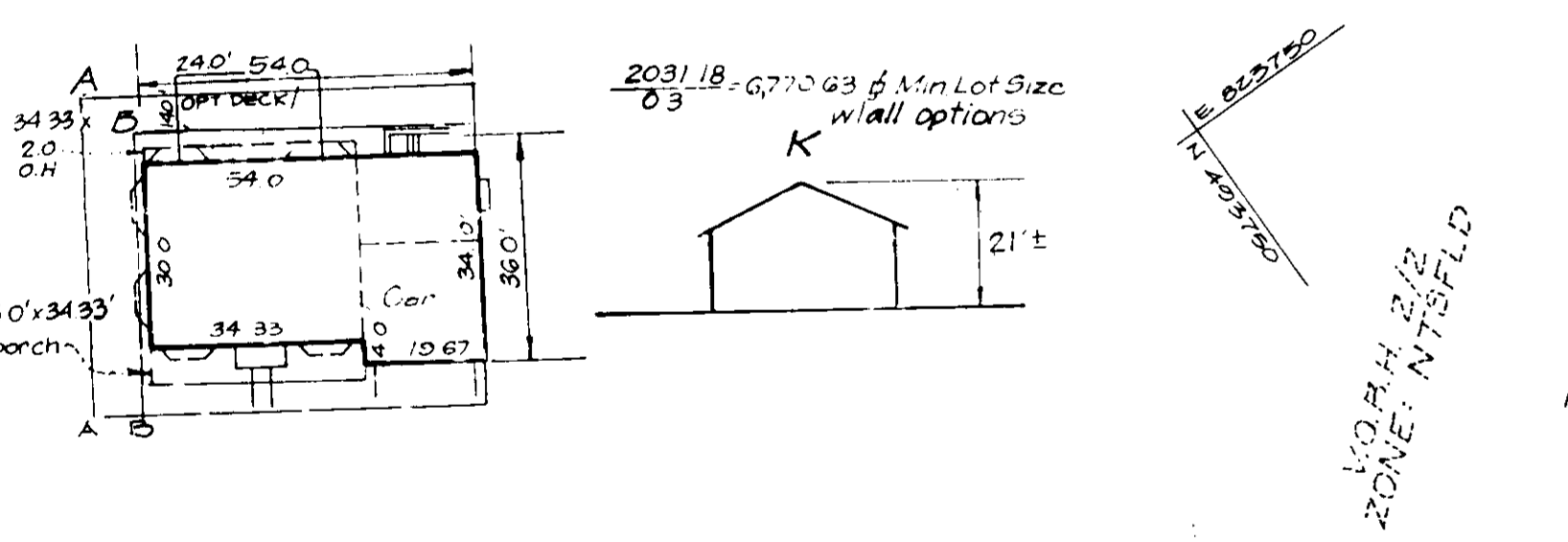
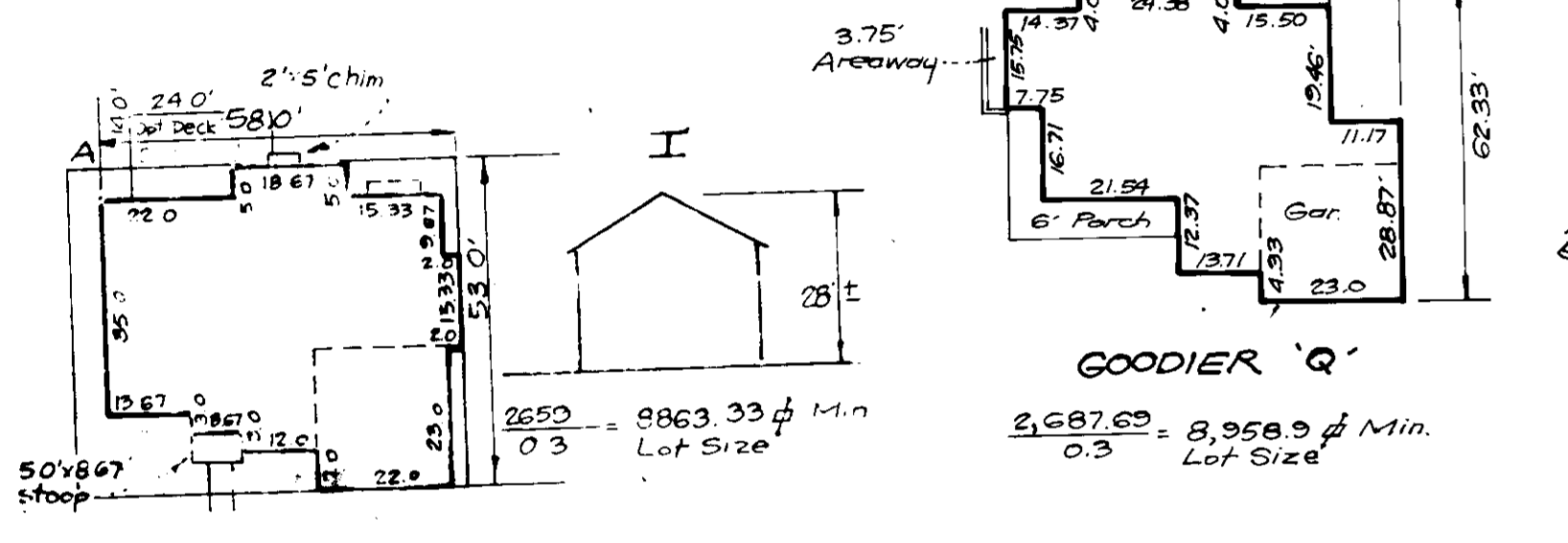
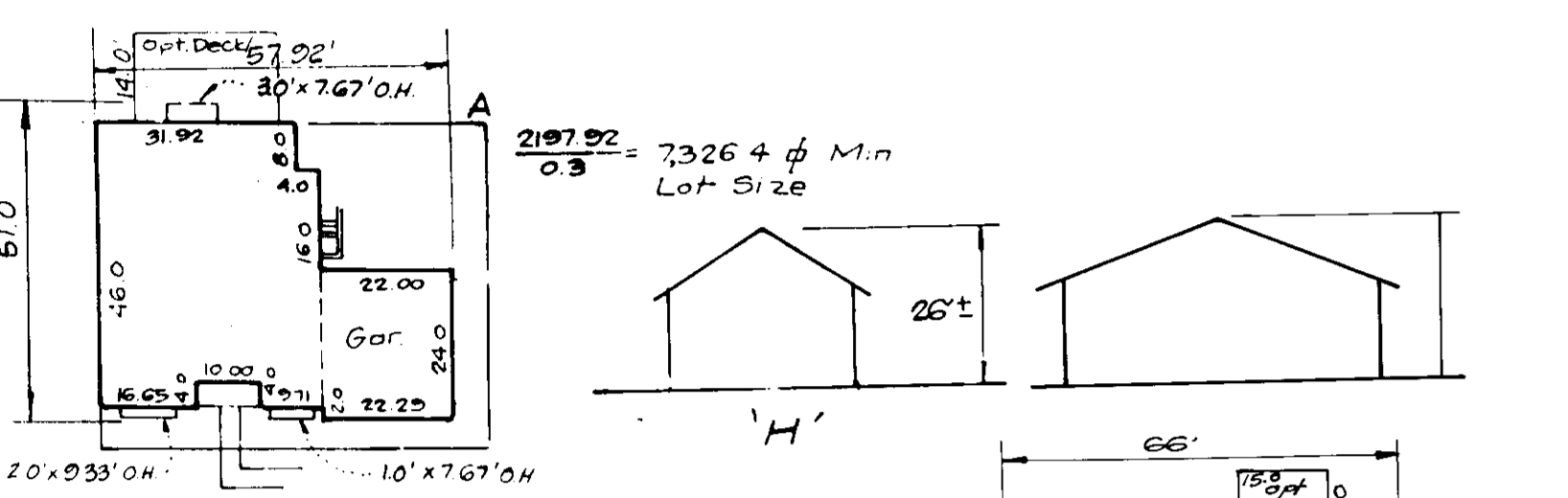
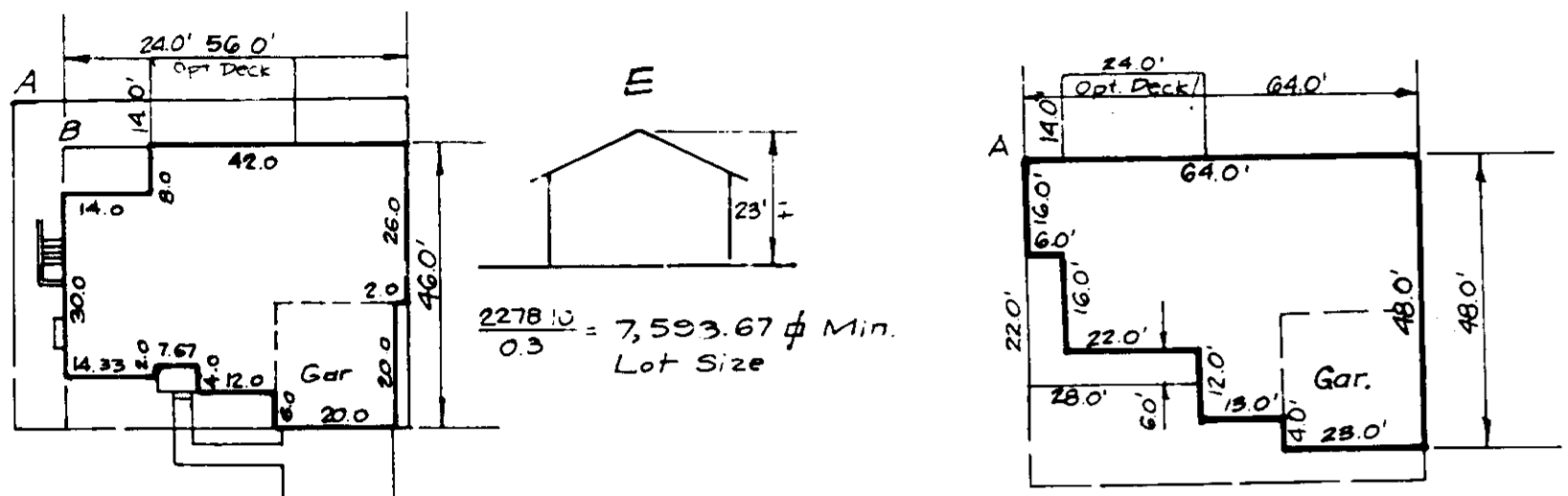
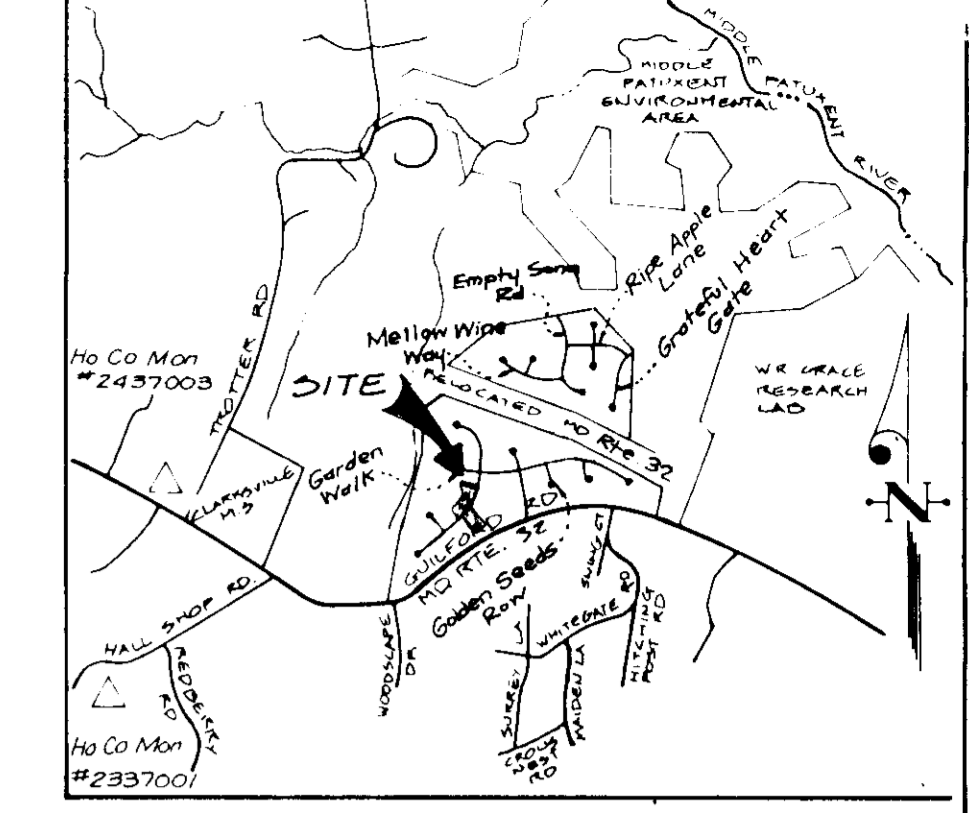


ADDRESS CHART	
LOT NUMBER	STREET ADDRESS
12	7125 Morning Light Trail
37	7120 " " "
38	7116 " " "
39	7112 " " "
40	7104 " " "



Howard County Monument #2337001 Elev = 496.095 North - 491612.385 East - 819527.709  
 3/4" Reinforcing Rod, 0.6' Below Surface  
 Howard County Monument #2437003 Elev = 472.122 North - 404285.231 East - 820385.343  
 Concrete Monument, 0.25' Below Surface

- GENERAL NOTES:**
- Subject property is zoned: NT SFLD per 10-18-93 Comprehensive Zoning Plan.
  - The total area included in this submission is: 69,535 sq ft (1.60 AC).
  - The total number of lots included in this submission are: 5.
  - Improvement to property: Single family detached.
  - For driveway entrance details refer to Ho Co Design Manual Volume II Site Details 11-508 to 11-513.
  - Department of Planning and Zoning reference file numbers are: F-93-81, S-91-03, P-92-15, 134-3210.
  - Utilities shown as existing are taken from approved water and sewer plan Contract #34-3210-D, approved food 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.
  - All roadways are public and existing.
  - The existing topography shown was field run by Clark, Finerock and Sackett Inc. on 3/14/94.
  - 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.
  - The contractor shall notify the Department of Public Works / Division of Construction Inspection a (410)313-1880 at least five (5) working days prior to the start of work.
  - The contractor shall notify "Miss Utility" at 1-800-257-7171 at least 48 hours prior to any excavation work.
  - Under certain conditions, decks and porches may only extend 3 feet into front and rear setbacks per 10-18-93 Comprehensive Zoning Ordinance.
  - 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 65 dBA Noise Contour Line represents the approximate location of the 65 dBA (A-weighted) noise exposure level contour as defined by the 1982 Federal Noise Criteria. This noise exposure level is based on the sound level during the day-evening-night volume. The average sound level during the day-evening-night volume is based on the sound level estimate of year 2015. The noise exposure level is based on the sound level estimate of year 2015. The noise exposure level is based on the sound level estimate of year 2015.
  - Sewer house locations and elevations shown were taken from the 10-18-93 Comprehensive Zoning Ordinance.

**SHEET INDEX**

SHEET NO.	TITLE
1	GENERAL NOTES
2	REVISIONS
3	OWNER/DEVELOPER
4	SUBMISSION NAME
5	DESIGNED
6	DRAWN
7	CHECKED
8	JME
9	DATE
10	REVISIONS

**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  
 10015 Little Patuxent Parkway  
 Columbia, Maryland 21044

SUBMISSION NAME	COLUMBIA	SECTION AREA	2/2 1/2
PLAT NO.	10004	ZONE	NT SFLD
DATE	5/25/94	DATE	5/25/94

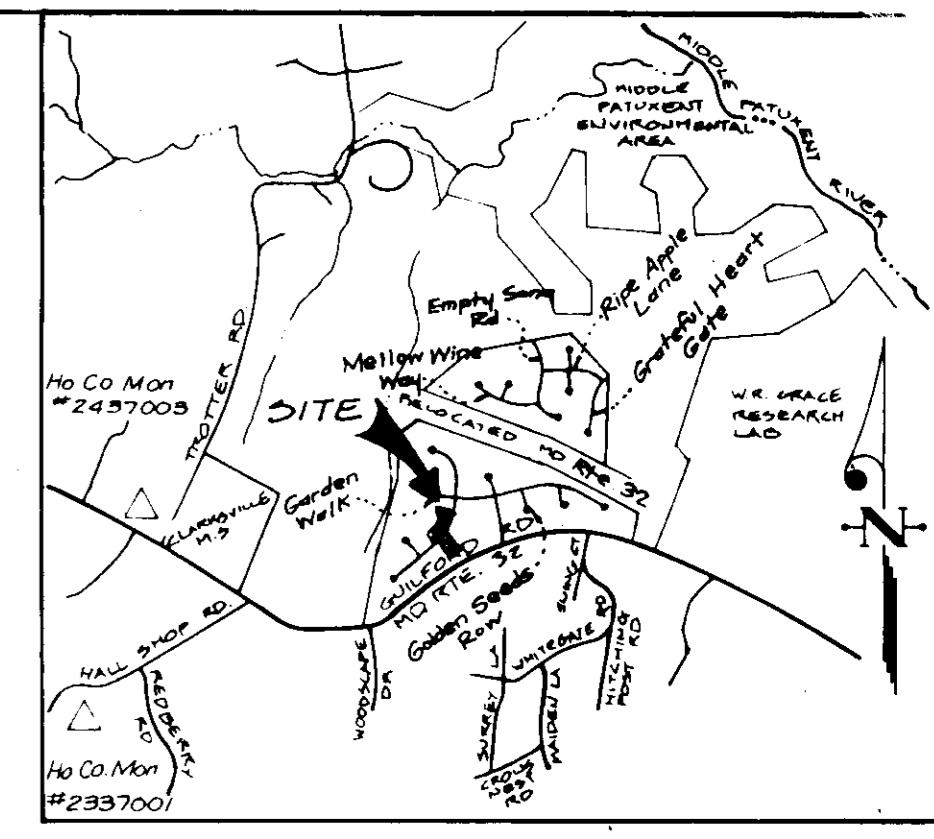
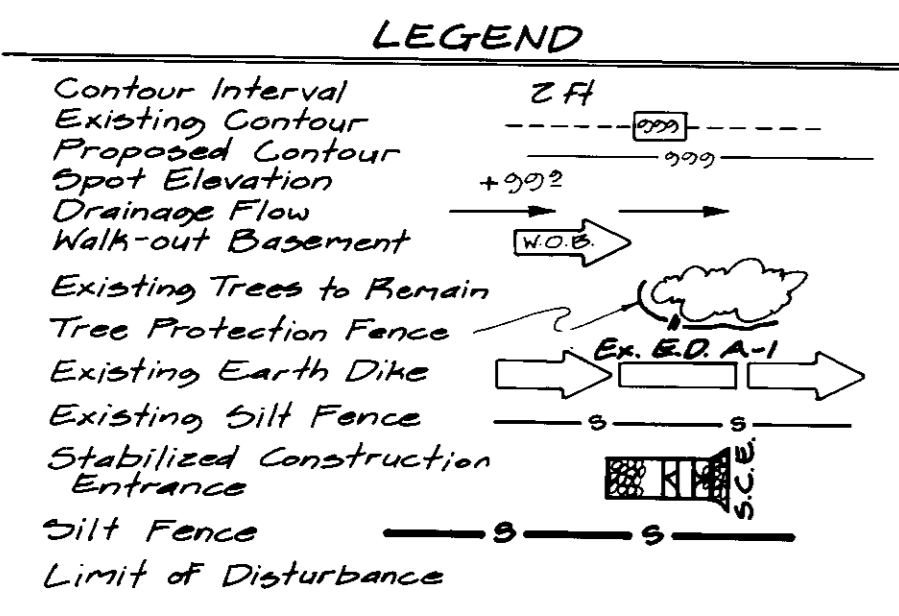
**APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING**  
 Director: *[Signature]* DATE: 6/2/94  
 Director: *[Signature]* DATE: 6/2/94  
**APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS**  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 Director: *[Signature]* DATE: 5/26/94  
 Director: *[Signature]* DATE: 5/25/94

NO.	REVISIONS	DATE
1	Rev. hse. # 9rd Lot 39, Add house typical	5.9.94
2		

**CLARK • FINEROCK & SACKETT, INC.**  
 ENGINEERS • PLANNERS • SURVEYORS  
 7315 MEDFELD WAY • COLUMBIA, MD 21046 • (410) 727-2500 • FAX: (410) 727-2501

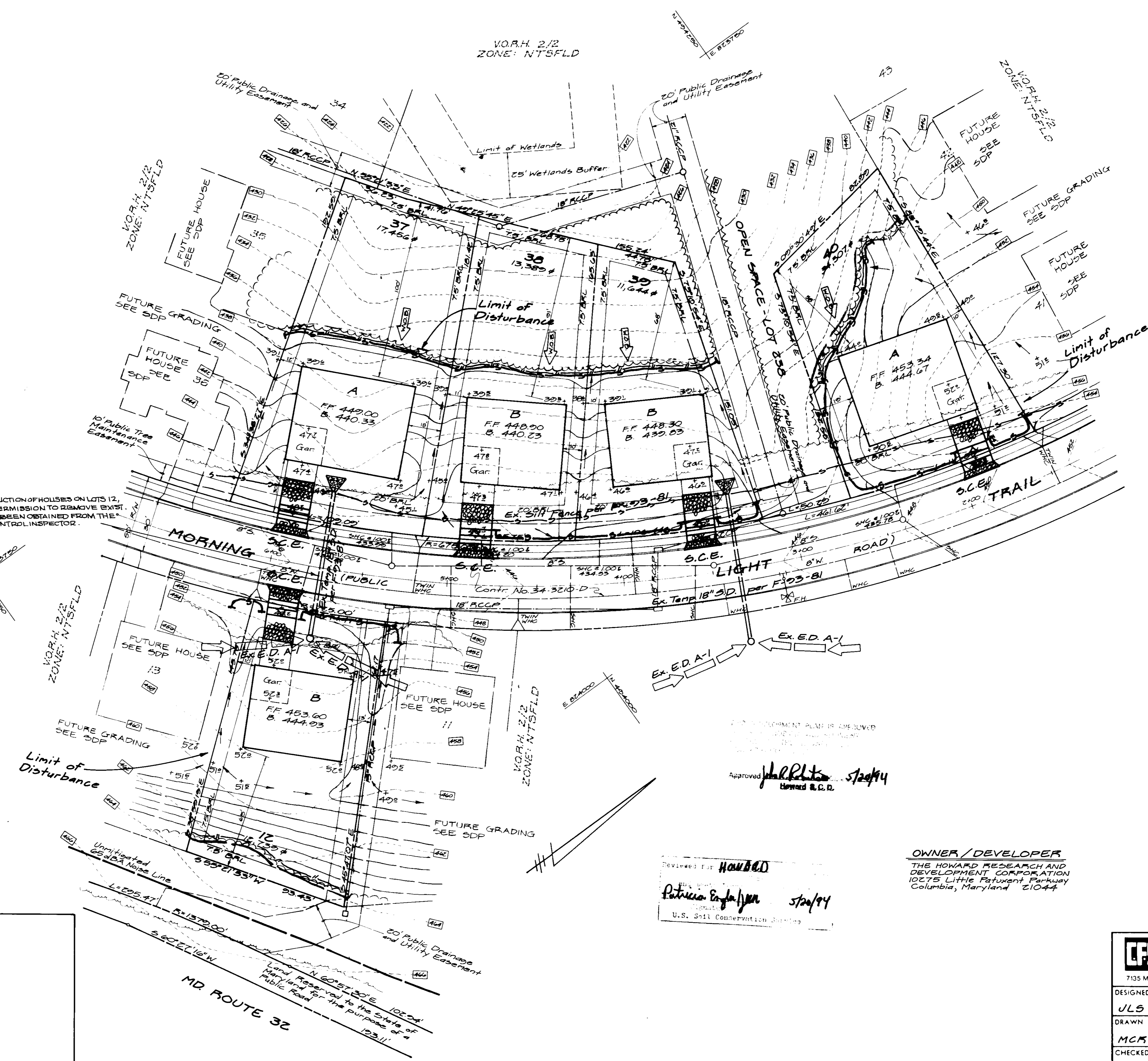
DESIGNED	RMT	SCALE	1"=30'
DRAWN	MCS	DRAWING	10F3
CHECKED	JME	JOB NO.	92-235
DATE	5-16-94	FILE NO.	92-235-1

FOR: GOODIER BUILDERS, INC.  
 8024 Dorsey Hall Drive, #205  
 Ellicott City, MD 21043



Howard County Monument # 2337001 Elev. = 496.005  
 North - 491612.385 East - 819527.780  
 3/4" Reinforcing Rod, 0.6' Below Surface  
 Howard County Monument # 2437003 Elev. = 472.122  
 North - 494285.23 East - 820385.343  
 Concrete Monument, 0.25' Below Surface

**NOTE:**  
 DELAY CONSTRUCTION OF HOUSES ON LOTS 12, 37 & 39 UNTIL PERMISSION TO REMOVE EXIST. TEMP. S.D. HAS BEEN OBTAINED FROM THE SEDIMENT CONTROL INSPECTOR.



Approved: *[Signature]*  
 Howard R.C.D.

Revised for **HOWARD**  
*Patricia Engelman* 5/20/94  
 U.S. Soil Conservation Service

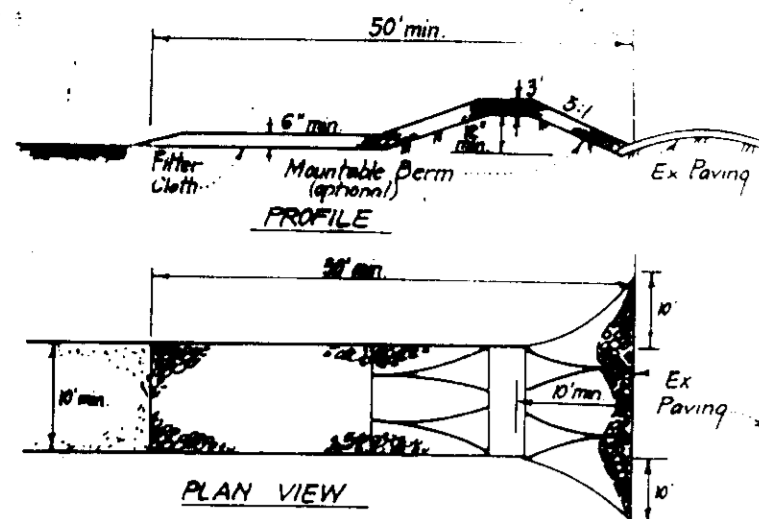
**OWNER / DEVELOPER**  
 THE HOWARD RESEARCH AND DEVELOPMENT CORPORATION  
 10275 Little Patuxent Parkway  
 Columbia, Maryland 21044



APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING  
*[Signature]* 6/2/94  
 DIRECTOR DATE  
*[Signature]* 6/2/94  
 CHIEF DIVISION OF LAND DEVELOPMENT AND RESEARCH DATE

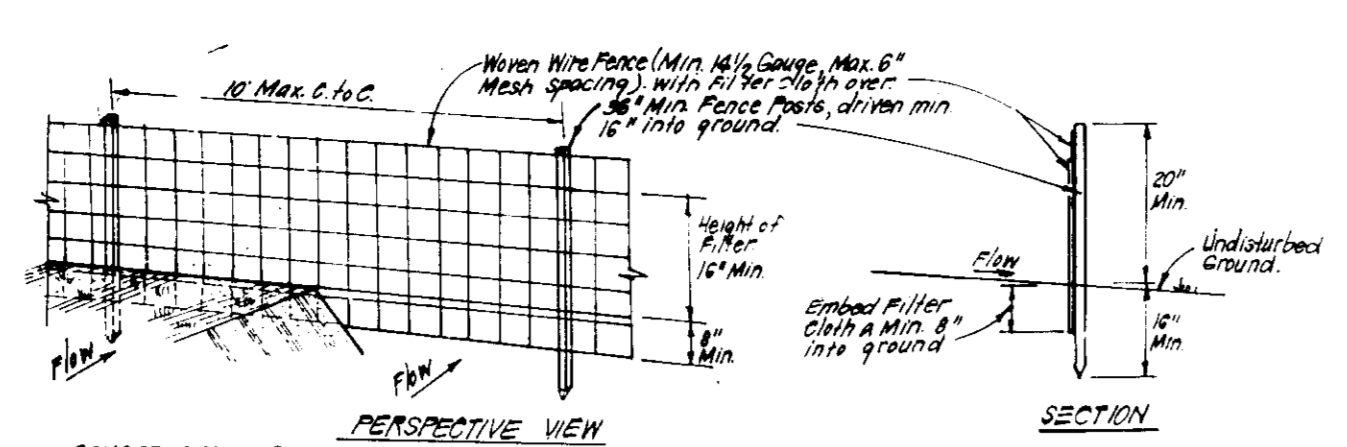
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
*[Signature]* 5/25/94  
 CHIEF BUREAU OF ENGINEERING DATE

<b>CLARK • FINEFROCK &amp; SACKETT, INC.</b> ENGINEERS • PLANNERS • SURVEYORS 7135 MINSTREL WAY • COLUMBIA, MD 21045 • (410) 381-7500 - BALTO. • (301) 621-8100 - WASH.		
DESIGNED	JLS	SCALE 1"=30'
DRAWN	MCK	DRAWING 20F3
CHECKED	JLS	JOB NO. 92-289
DATE	5/25/94	FILE NO. 92-289-SE
For: <b>GOODIER BUILDERS, INC.</b> 3034 Dorsey Hall Drive, # 205 Ellicott City, MD 21043		



- CONSTRUCTION SPECIFICATIONS:**
1. Stone size - Use 2" stone or reclaimed or recycled concrete equivalent.
  2. Length - As required, but not less than 50 feet (except on a single residence lot where a 30 foot minimum length would apply).
  3. Thickness - Not less than six (6) inches.
  4. Width - Ten (10) feet minimum, but not less than the full width of points where ingress or egress occurs.
  5. Filter Cloth - Will be placed over the entire area prior to placing of stone. Filter will not be required on a single family residence lot.
  6. Surface Water - All surface water flowing or diverted toward construction entrances shall be piped across the entrance. If piping is impractical, a mounded berm with 3:1 slopes will be permitted.
  7. Maintenance - The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment into public rights-of-way. This may require periodic top dressing with additional stone as conditions demand and other and/or cleaning of any measures used to trap sediment. All sediment applied, applied, washed or tracked onto public rights-of-way must be removed immediately.
  8. Washing - Washing shall be obtained 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 drains into an approved sediment trapping device.
  9. Periodic inspection and needed maintenance shall be provided after each rain.

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



- CONSTRUCTION SPECIFICATIONS:**
1. Woven wire fence to be fastened securely to fence posts with wire ties or staples.
  2. Filter cloth to be fastened securely to woven wire fence with ties spaced every 24" at top and mid section.
  3. When 2 sections of filter cloth adjoin each other they shall be overlapped by 6" and staked.
  4. Maintenance shall be performed as needed and material removed when "pulses" develop in silt fence.

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

**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, tilling 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) 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 600 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 this plan, the contractor shall protect site by Option (1) 2 tons per acre well anchored straw mulch or straw as soon as possible in the spring. Option (2) use seed. Option (3) Fescue with straw or Kentucky 31 tall fescue and mulch with 2 tons/acre well anchored straw.

**MULCHING:** Apply 1 1/2 to 2 tons per acre (30 to 40 lbs./1000 sq ft) of untreated and grain straw immediately after seeding. Anchor mulch immediately after installation by mulch anchoring tool or 218 gallons per acre (3 gal./1000 sq ft) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 148 gallons per acre (1 1/2 gal./1000 sq ft) for anchoring.

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

**TEMPORARY SEEDING NOTES**

**SEEDBED PREPARATION:** Loosen upper three inches of soil by raking, tilling 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 1 thru November 15, seed with 2 1/2 bushels per acre of annual ryegrass (2.2 lbs./1000 sq ft). For the period May 1 thru August 14, seed with 3 lbs. per acre of weeping lovegrass (.7 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 seed.
- MULCHING:** Apply 1 1/2 to 2 tons per acre (30 to 40 lbs./1000 sq ft) of untreated and grain straw immediately after seeding. Anchor mulch immediately after installation by mulch anchoring tool or 218 gallons per acre (3 gal./1000 sq ft) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 148 gallons per acre (1 1/2 gal./1000 sq ft) for anchoring.

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

**SEDIMENT AND EROSION CONTROL NOTES**

1. A minimum of 24 hours notice must be given to the Howard County Office of Inspection and Permits prior to the start of any construction. (319-1852).
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 1983 MARYLAND STANDARDS AND SPECS. FOR SOIL EROSION AND SEDIMENT CONTROL.
3. 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 to all other disturbed or graded areas on the project site.
4. All sediment traps/basins must be fenced and warning signs posted around their perimeters in accordance with Vol. I, Chapter 12, 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 1983 MARYLAND STANDARDS AND SPECS. 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 straw 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:	1.60 AC
Area Disturbed:	1.20 AC
Area to be roofed or paved:	0.35 AC
Area to be vegetatively stabilized:	0.21 AC
Total Cut:	3800 CY
Total Fill:	1500 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).

All pipes to be blocked at the end of each day (see detail of this sheet).  
The total amount of cut removal is **720 LF**.

It is the responsibility of the contractor to identify the spoil/borrow site and notify and gain approval from the sediment control inspector of the site and its grading permit number at the time of construction.

**CONSTRUCTION SEQUENCE:**

1. Obtain grading permit	7
2. Install tree protection fence	9
3. Install sediment and erosion control devices and stabilize	7
4. Excavate for foundations, rough grade and temporarily stabilize	30
5. Construct structures, sidewalks and driveway	60
6. Final grade and stabilize in accordance with lists and Specs.	30
7. Upon approval of the sediment control inspector, remove sediment and erosion control devices and stabilize	30

**NOTE:** Delay Construction of Houses on Lots 12, 37 and 40 until permission to remove Ex. Temp S.D. has been obtained from the Sediment Control Inspector.

**APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING**

Director: *[Signature]* DATE: 6/2/94

Chief of Division: *[Signature]* DATE: 1/21/94

**APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS**

Director: *[Signature]* DATE: 5/26/94

Chief of Bureau: *[Signature]* DATE: 5/25/94

Reviewed for HOWARD S.C.D. Name: *[Signature]* DATE: 5/20/94

Signature: *[Signature]* Date: 5/20/94

US Soil Conservation Service

**DEVELOPER'S/BUILDER'S CERTIFICATE**

"I 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 of 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: 4-7-94

**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: 4-7-94



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

**CLARK • FINEPROG • SACKETT, INC.**

7135 Minstrel Way • Columbia, Maryland 21045 • Cell (410) 381-7820 • Fax (301) 621-8100

DESIGNED	JLS	SCALE	AS NOTED
DRAWN	MCR	DRAWING	3 OF 3
CHECKED	JLS	JOB NO.	92-230
DATE	APRIL 1994	FILE NO.	92-230SE

**SEDIMENT & EROSION CONTROL DETAILS**  
LOTS 12, 37 thru 40  
COLUMBIA  
VILLAGE OF RIVER HILL  
SECTION 2 AREA 2 PHASE 2  
5TH ELECTION DISTRICT  
HOWARD COUNTY MARYLAND

FOR: GOODIER BUILDERS, INC.  
5054 Dorsey Hall Drive #205  
Ellicott City, MD 21043