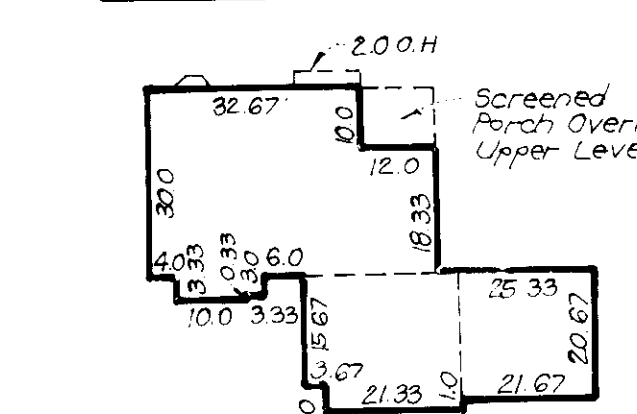
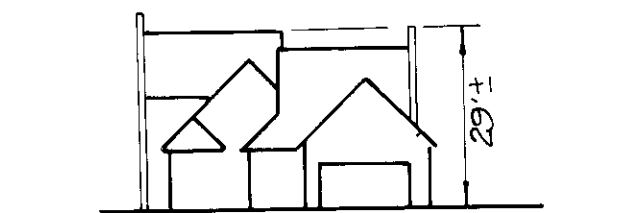
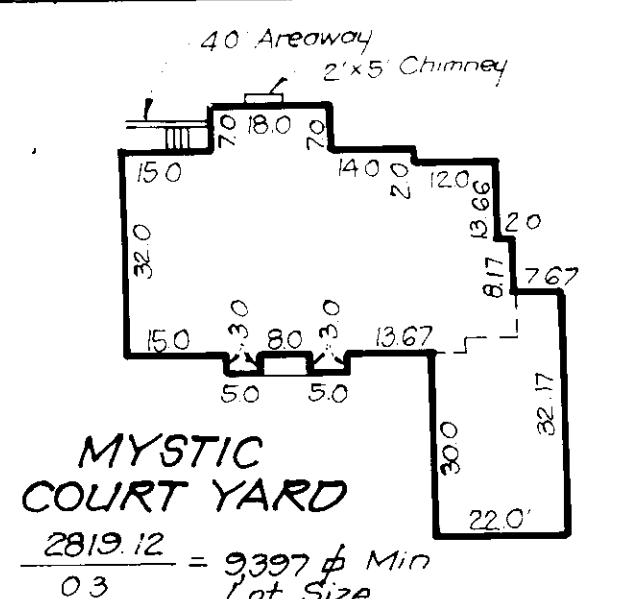
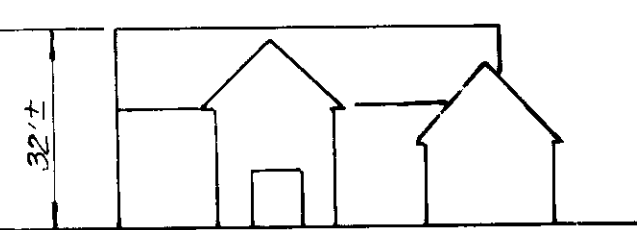


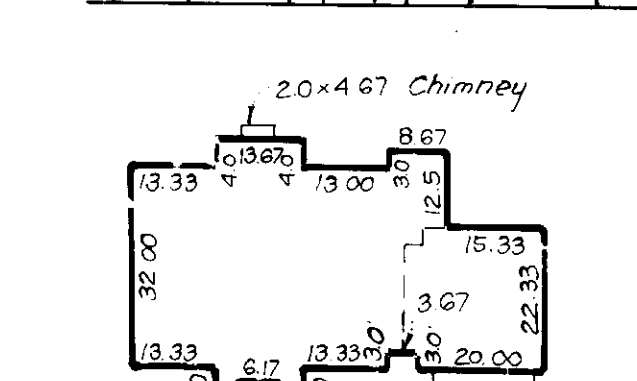
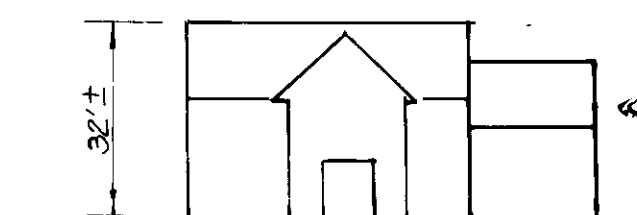
TYPICAL HOUSES

Scale: 1"=30'

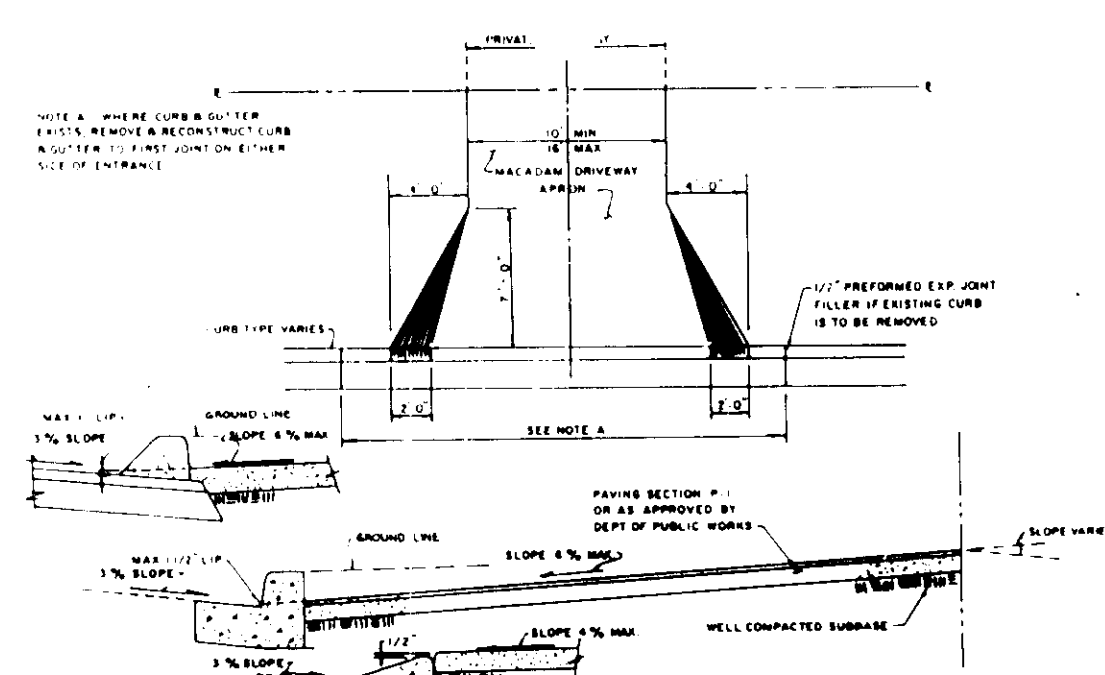
NOTE: All units have 1" roof eaves front & rear



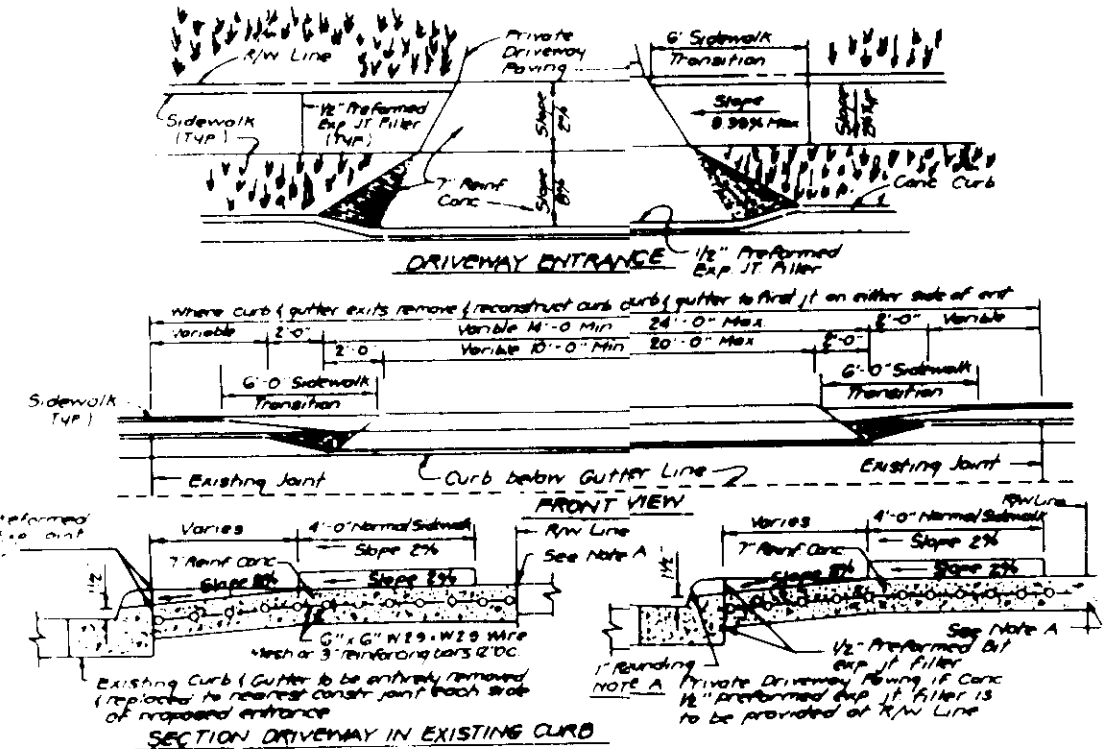
NANTUCKET III
2431.67 = 8,106 sq ft Min Lot Size



MYSTIC
1750.72 = 5,835.97 sq ft Min Lot Size



DRIVEWAY ABUTTING CLOSED SECTION WITHOUT CONCRETE SIDEWALK



DRIVEWAY ABUTTING CLOSED SECTION WITH 7" COMB CURB & GUTTER & SIDEWALK SET BACK FROM CURB

ADDRESS CHART

LOT NO.	STREET ADDRESS
1	6800 Caravan Court
2	6804 " "
3	6808 " "
4	6812 " "

PAVEMENT MATERIALS

FULL DEPTH BIT CONC ALT	GRANULAR BASE ALT
1" Bit Conc Surface	1" Bit Conc Surface
4" Bit Conc Base	2" Bit Conc Base
	4" Bit Conc Run, base Course or 4" Crushed Gravel or Appropriate Base Course

SECTION P-1
No Scale
Paving Section for Use in common drive

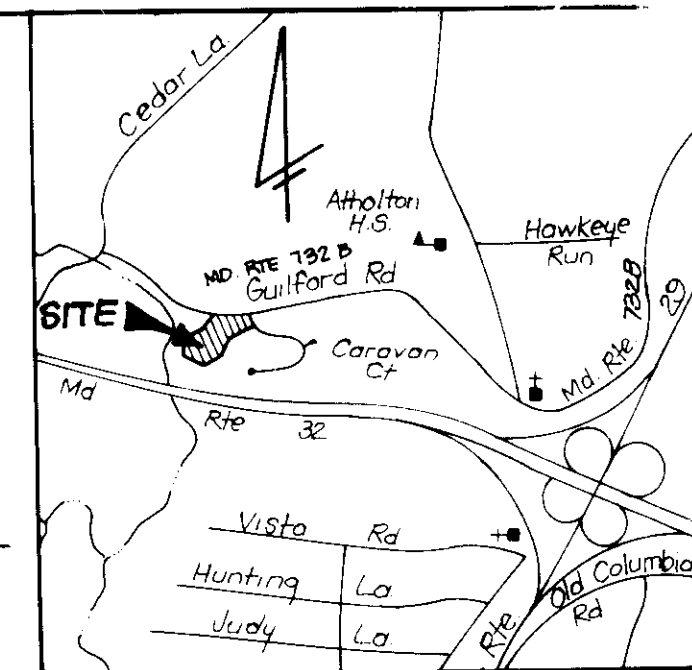
NANTUCKET III
2520 = 8,400 sq ft Min Lot Size

GENERAL NOTES

- 1 Subject property zoned New Town Single Family Low Density
- 2 The coordinates shown hereon are based on The Maryland State Grid System and derived from the following Howard County Control Stations 2340010 and 2340005
- 3 All roadways are public and existing
- 4 Total area included in this submission: 3.161 Acres or 137,693.16 sq
- 5 Total number of lots: 4
- 6 Any damage to county owned right-of-ways shall be corrected at the Developer's expense
- 7 This subdivision is subject to Section 18.122.B of The Howard County Code
- 8 Reference plans: S-88-07, P-88-04 and F-90-91; WP 88-155 & WP 88-07, FDP-206-3054 A, 1086-1090.
- 9 The Contractor or Developer shall contact the Construction/Inspection Division, 24 hours in advance of commencement of work at 752-2630
- 10 The existing topography shown was taken from road construction plans prepared by John E. Harms Jr & Associates, Inc., F-90-91.
- 11 This subdivision was previously referred to as Village of Hickory Ridge Section 6 Area 4
- 12 Improvement to property: Single Family Detached Unit.
- 13 Stormwater Management provided for under F-90-91.

SPECIAL NOTES

- 1 The Wetland/Stream Buffer indicated on this site plan does not affect the initial construction of a residential unit on a lot. It does prohibit subsequent clearing, grading or construction in the buffer area. Maintenance of residences, landscaping and utilities is permitted.
- 2 10' Tree maintenance easement along all road frontages.

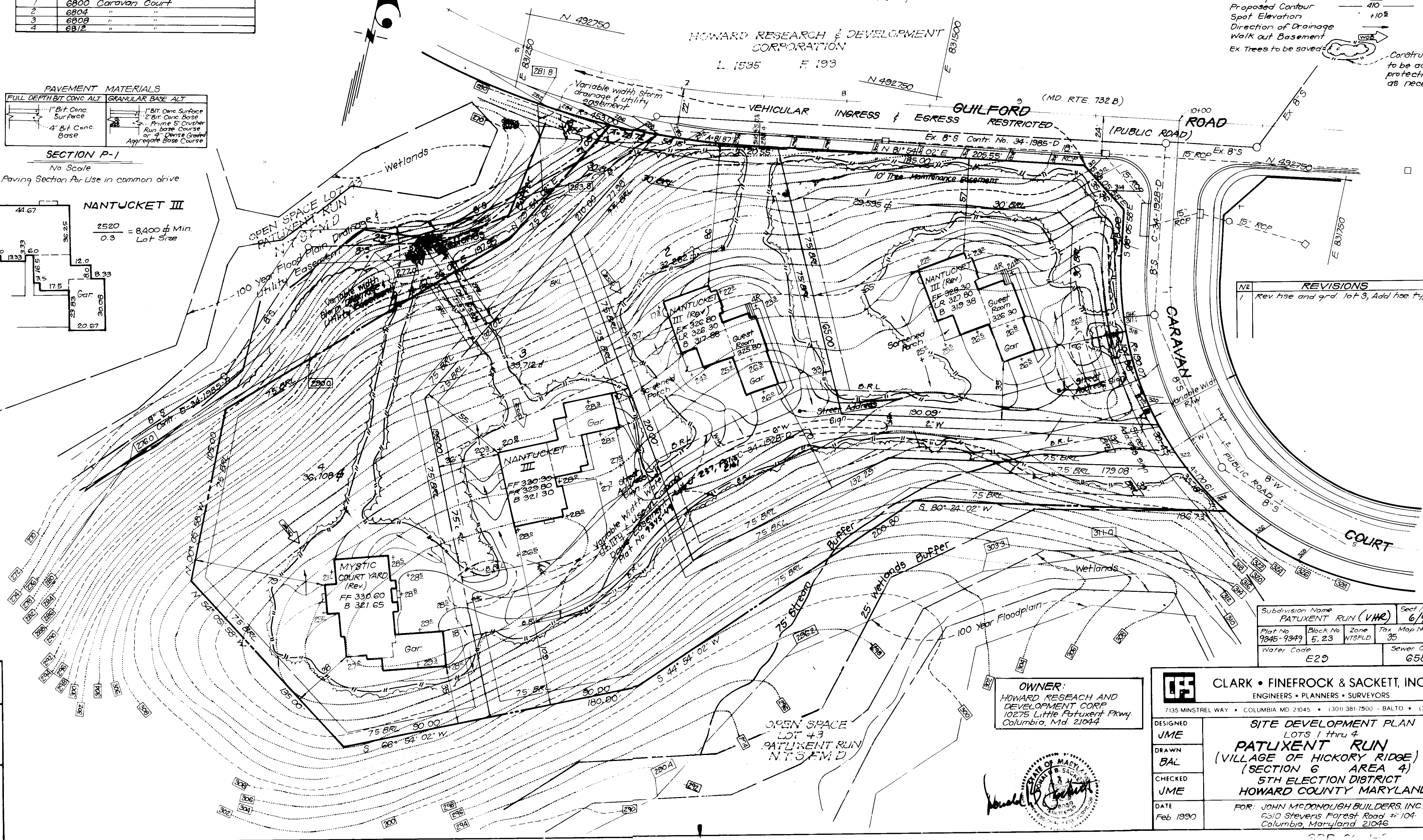


VICINITY MAP
Scale: 1"=2000'

LEGEND

Contour Interval	2 FT
Existing Contour	---
Proposed Contour	---
Spot Elevation	+102
Direction of Drainage	→
Walk out Basement	---
Ex. Trees to be saved	○

Construction Fence to be added for tree protection and adjusted as necessary.



REVISIONS

Rev	Description	Date
1	Rev. hse and grad. lot 3, Add hse typical	6-8-92

Subdivision Name	Section/Area	Lots
PATUXENT RUN (VHR)	6/4	1 thru 4
Plot No	Block No	Zone
1946-9949	5, 23	NTSFLD
Water Code	5TH	Emc. Dist
E20		6051 0
Water Code		Sewer Code
		G580000

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT

[Signature] 4/20/90
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING

[Signature] 4/20/90
DIRECTOR DATE

[Signature] 4/22/90
CHIEF DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

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

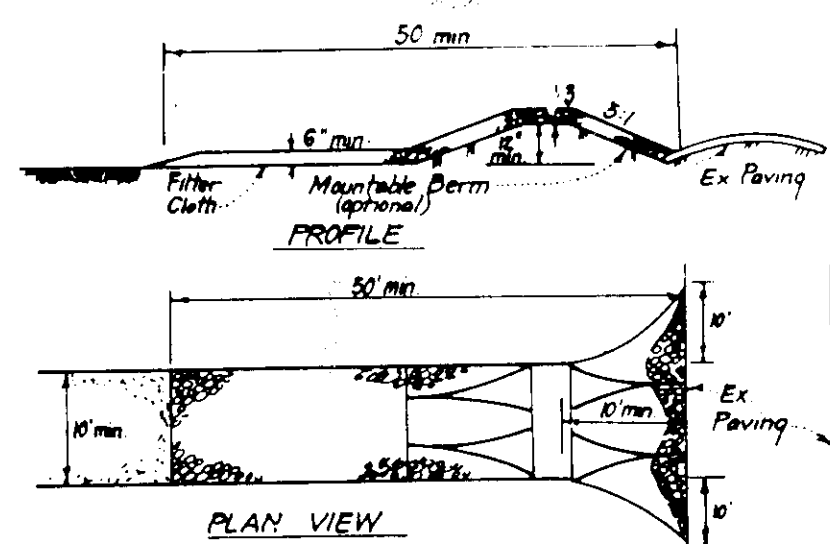
[Signature] 4/24/90
DIRECTOR DATE

[Signature] 4-24-90
CHIEF BUREAU OF ENGINEERING DATE

OWNER:
HOWARD RESEARCH AND DEVELOPMENT CORP
10275 Little Patuxent Pkwy.
Columbia, Md. 21044

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

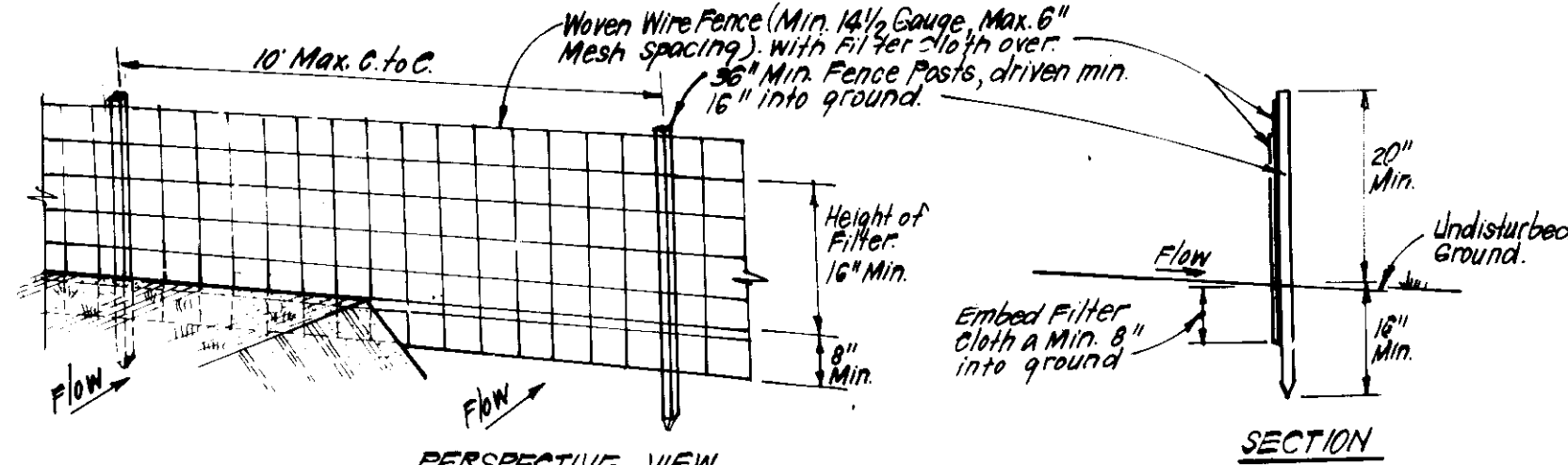
DESIGNED	JME	SCALE	1"=30'
DRAWN	BAL	SITE DEVELOPMENT PLAN	
CHECKED	JME	LOTS 1 thru 4	
DATE	1990	PATUXENT RUN	
		(VILLAGE OF HICKORY RIDGE)	
		SECTION 6 AREA 4)	
		5TH ELECTION DISTRICT	
		HOWARD COUNTY MARYLAND	
		FOR: JOHN MCDONOUGH BUILDERS, INC.	
		6510 Stevens Forest Road #104	
		Columbia, Maryland 21046	
		JOB NO	90-014
		FILE NO	90-014X



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 entrance shall be ponded across the entrance. If ponding is impractical, a mountable berm with 5:1 slopes will be permitted.
7. 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 conditions demand and repair and/or cleanup of any measure used to trap sediment. All sediment which is trapped, washed or tracked onto public rights-of-way must be removed immediately.
8. 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 drains into an approved sediment trapping device.
9. Periodic inspection and needed maintenance shall be provided after each rain.

STABILIZED CONSTRUCTION ENTRANCE (SCE)



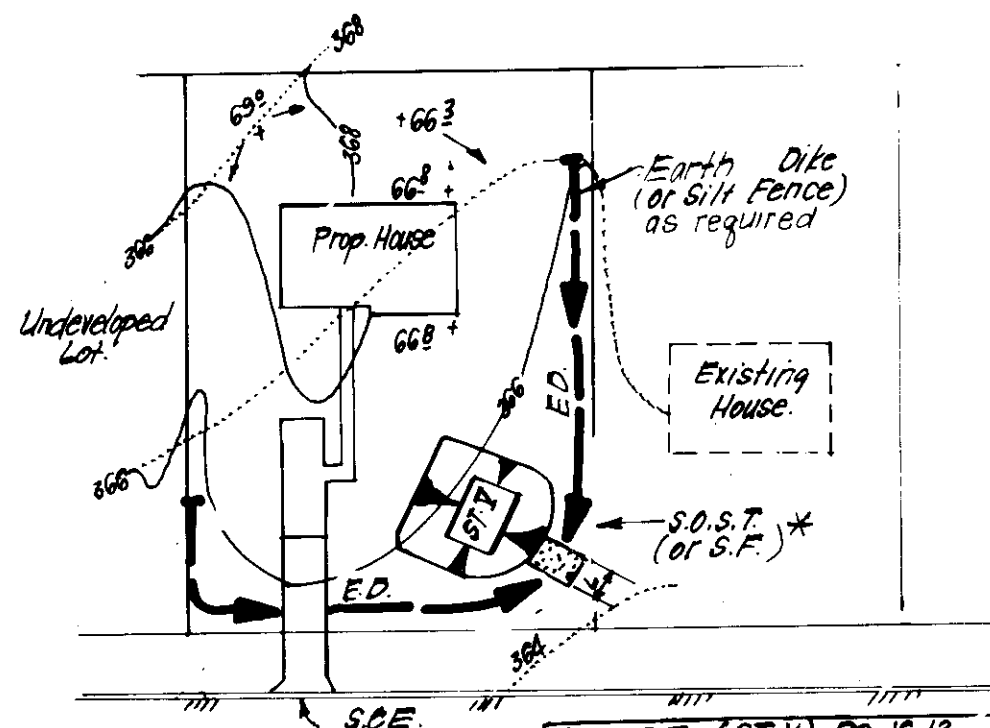
CONSTRUCTION SPECIFICATIONS:

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 19" and 19" max section.
3. When 2 sections of filter cloth adjoin each other they shall be overlapped by 6" and folds.
4. Maintenance shall be performed as needed and material removed when "bulges" develop in silt fence.

POSTS: Steel, either T or U Type or 2" Hardwood
 FENCE: Woven Wire, 1 1/2 Gauge, 6" Max. Mesh opening
 FILTER CLOTH: Filter Cloth, Miraflex 100X, Stablinka, T140N or Appro. equal
 PREFABRICATED UNIT: Geotex, Envirofence or Appro. equal

SILT FENCE DETAIL (S)

NO SCALE



* NOTE: Single lot detail can not be utilized if any two lots sharing 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

NO.	S.O.S.T. (S.F.)	PR.	LR.
1	1/4 AC	1/4 AC	1 AC
2	2	3	6
3	2	2	2
4	11	26	26
5	11	11	26
6	12/8	12/8	6/7/8

* can be adjusted in field, but bottom area must be as shown or greater.

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, disking 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 square 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 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 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 of 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:

Apply to graded or cleared areas likely to be redisturbed where a short-term vegetative cover is needed.

Seedbed Preparation: Loosen upper three inches of soil by raking, disking 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 25 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 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 unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gal per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes, 8 ft or higher, use 348 gal per acre (8 gal/1000 sq ft) for anchoring.

Refer to the 1981 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for rate and methods not covered.

SEDIMENT CONTROL NOTES:

- 1) A minimum of 24 hours notice must be given to the Howard County District Inspection and Permits prior to the start of any construction. (992-2437)
- 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 1981 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
- 3) Following initial soil disturbance or redisturbance, 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.
- 4) All sediment traps/basins shown must be fenced and warning signs posted around their perimeter in accordance with Vol. 1, 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 1981 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for permanent seedings (Sec. 51) sod (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.
- 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	3.161 Acres
Area Disturbed	1.26 Acres
Area to be roofed or paved	0.5 Acres
Area to be vegetatively stabilized	0.75 Acres
Total Cut	2628 Cu. yds
Total Fill	725 Cu. yds
Offsite waste/borrow area location	Undetermined
- 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 DFW 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) If houses are to be constructed on an "As-Sold" basis, at random, Single Lot Sediment Control as shown below shall be implemented.
- 12) All pipes to be blocked at the end of each day (see detail below). N/A
- 13) The total amount of straw bale dikes/silt fence equals 490 L.F.

CONSTRUCTION SEQUENCE:	No. of DAYS
A. Obtain Grading Permit and Install Sediment and Erosion Control Devices and Stabilize.	7
B. Excavate for foundations and Rough Grade & Temporarily Stabilize.	30
C. Construct Structures, Sidewalks and Driveways.	120
D. Final Grade and stabilize in accordance with S.D.S. & Specs.	30
E. Upon approval of the sediment control inspector, remove sediment and erosion controls and stabilize.	7

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
 4-26-90
 APPROVED: HOWARD COUNTY DEPT OF PLANNING & ZONING
 4-30-90
 DIRECTOR
 APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 4-24-90
 DIRECTOR

Reviewed for HOWARD COUNTY S.C.D. Name and meets Technical Requirements
 James H. Hela 4/17/90
 Date

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 erosion and sediment control and that all responsible personnel involved in the construction project will have a Certificate of Attendance at a Dept. of Natural Resource 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 of Developer/Builder: John E. Williams
 Date: 2-6-90

ENGINEER'S CERTIFICATE

"I hereby certify that this plan for Erosion and Sediment Control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District."

Signature of Engineer: Richard J. H. Steg
 Date: 2/6/90

OWNER:
 HOWARD RESEARCH AND DEVELOPMENT CORP.
 10275 Little Patuxent Pkwy.
 Columbia, Md. 21044

CLARK • FINEFROCK & SACKETT, INC.
 ENGINEERS • PLANNERS • SURVEYORS
 7135 MIDDLEBURY RD. • COLUMBIA, MD. 21045 • (301) 391-7500 • BALTO. • (410) 326-1100

DESIGNED	GIWM	SEDIMENT & EROSION CONTROL PLAN LOTS 1 thru 4 PATUXENT RUN VILLAGE OF HICKORY RIDGE SECTION 6 AREA 4 5TH ELECTION DISTRICT HOWARD COUNTY MARYLAND FOR JOHN McDONOUGH BUILDERS, INC. 210 Stevens Forest Road #104 Columbia, Maryland 21046	SCALE	1"=30'
DRAWN	BAL		DRAWING	3 OF 3
CHECKED	GIWM		JOB NO.	90-014
DATE	2/6/90		FILE NO.	90-014 SE
FOR	2/6/90			

S.D.P. 90-142