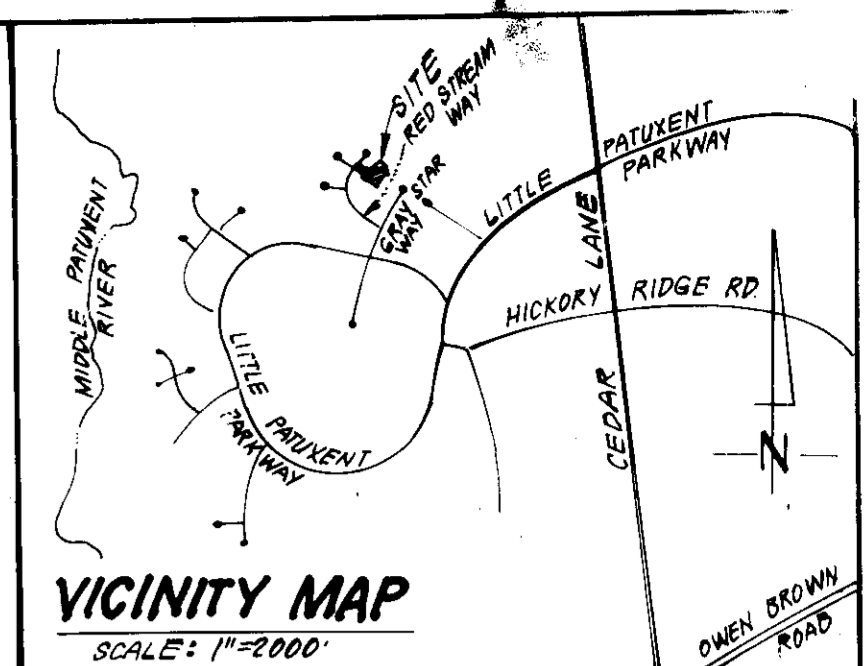


DRIVEWAY ABUTTING MODIFIED CURB & GUTTER*

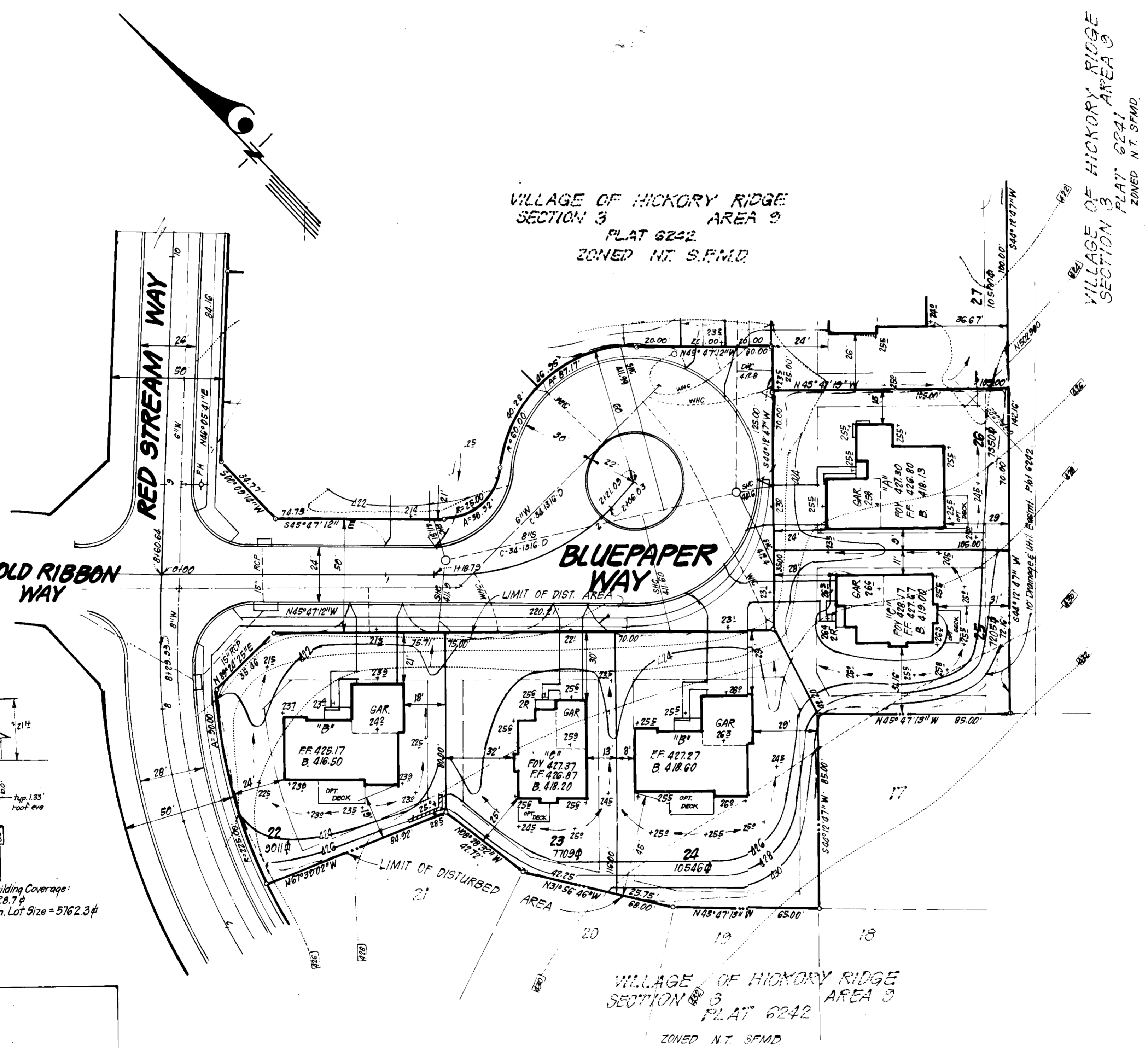
ALTERNATE #1
 1" Bit. Conc. Surface
 4" Bit. Conc. Base

ALTERNATE #2
 1" Bit. Conc. Surface
 3" Bit. Conc. Base
 3" Gravel.

* See Ho. Co. Std. R-3.01 For
 9/4" 7" Comb. Curb & Gutter
 Necessary on the Cut-De-Sac



VICINITY MAP
 SCALE: 1"=2000'



Lot No	STREET ADDRESS
22	12100 Bluepaper Way
23	12104 " "
24	12108 " "
25	12112 " "
26	12116 " "

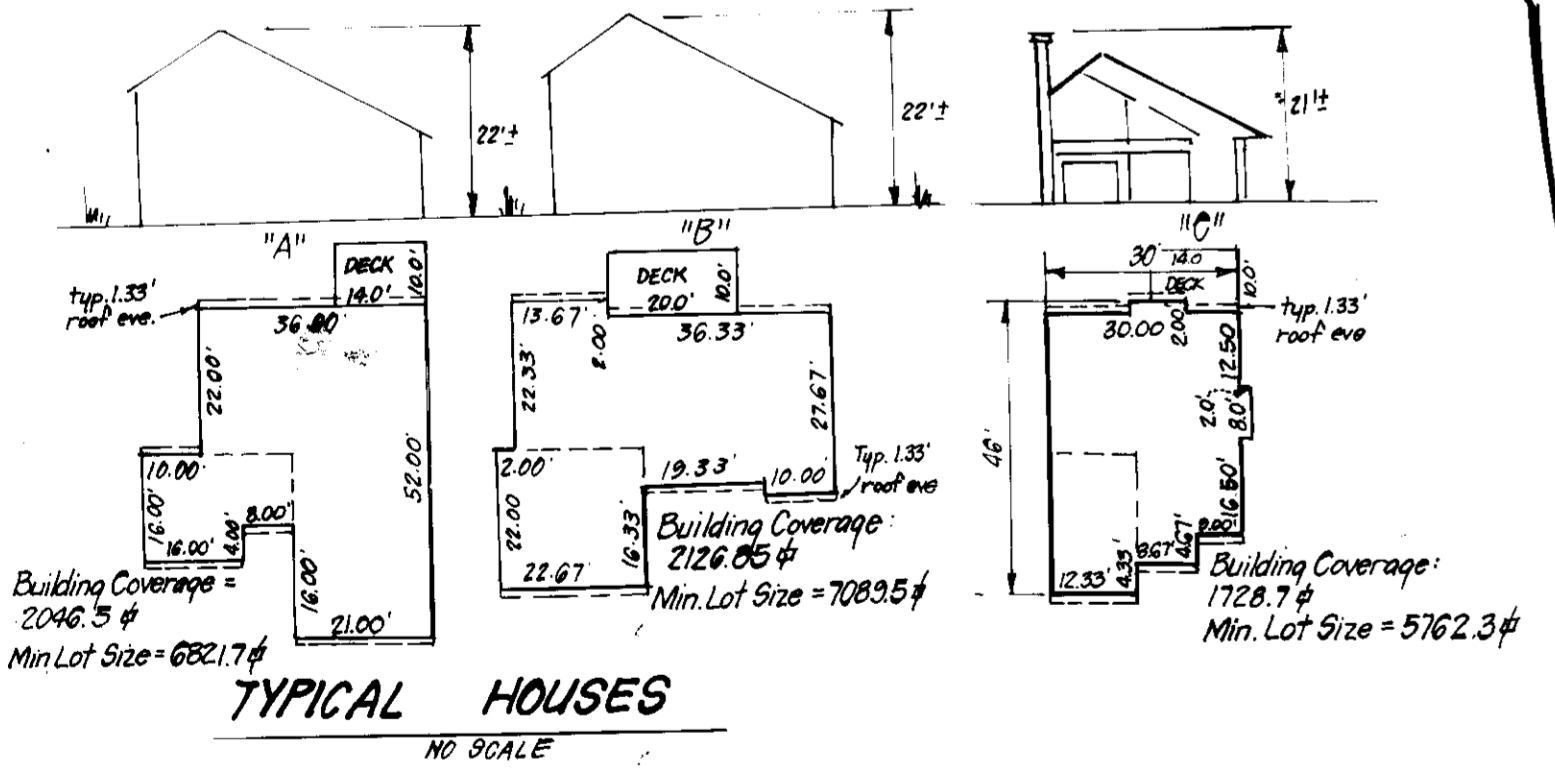
GENERAL NOTES:

- The land included is zoned: New Town, SFMD, per Final Development Plan Phase III Part III.
- Coordinates are based upon traverse controls for Columbia established by Mass, Inc. in 1965 and Purdum-Jeschke in 1968, which controls were tied to the Maryland Bureau of Control Survey Monuments and to U.S. Coast and Geodetic Survey Monuments in the Columbia Area.
- All roads are public and existing.
- Any damage to county owned rights of way to be corrected at the Developer's expense.
- Total Area included: 0.9601 Acres.
- Total Number of Lots: 5

LEGEND:

- Contour Interval: 2 Ft.
- Existing Contour: (dashed line)
- Proposed Contour: (solid line)
- Spot Elevation: +105
- Direction of Drainage: (arrow)
- Existing Trees to be Saved: (circle with 'X')
- Walk-out Basement: (circle with 'W')

NOTE: The contractor or developer shall contact the Construction Inspection Division, 24 hours in advance of commencement of work, at 792-7272.



APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS.
 HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER: [Signature] DATE: 2-3-86

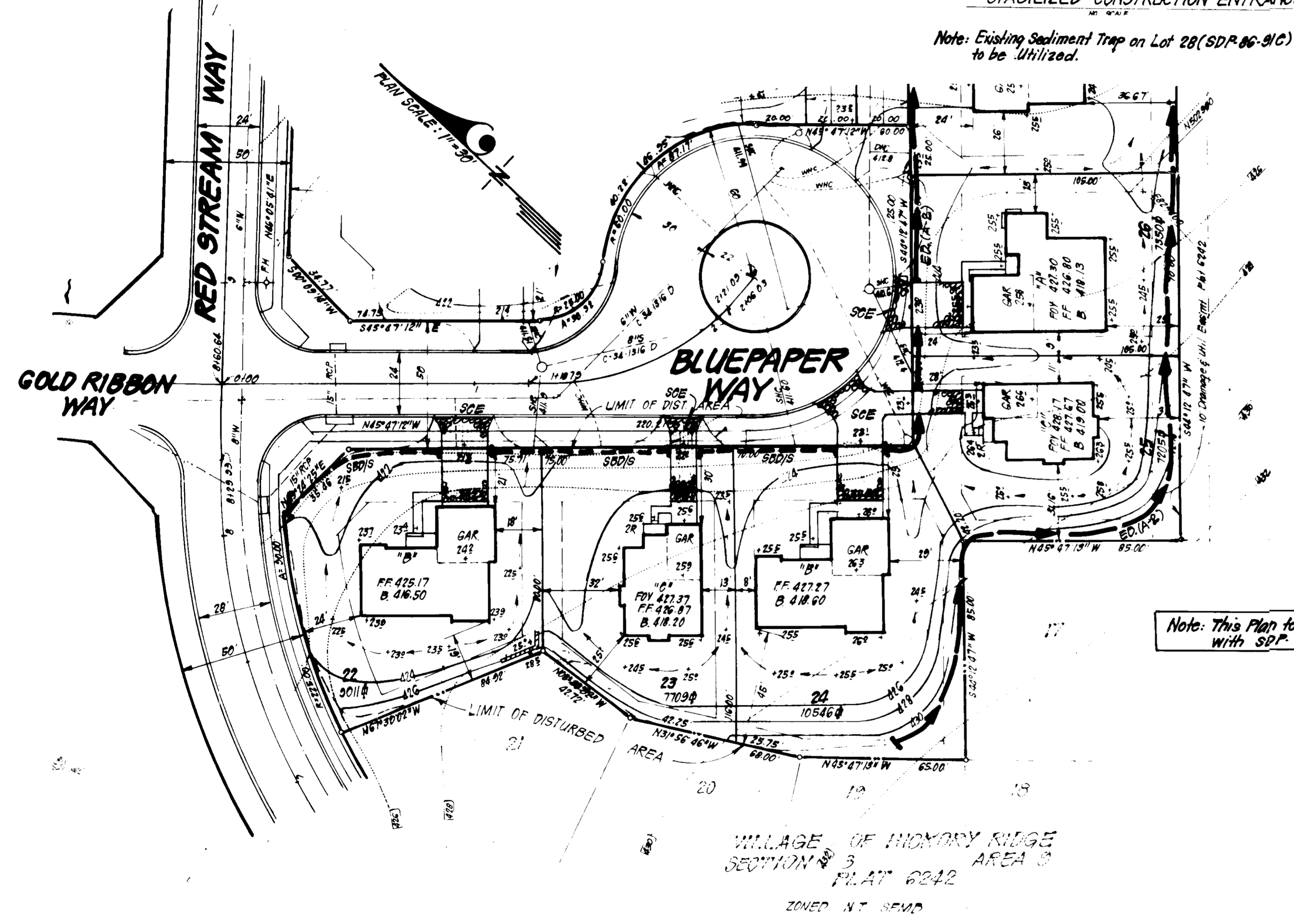
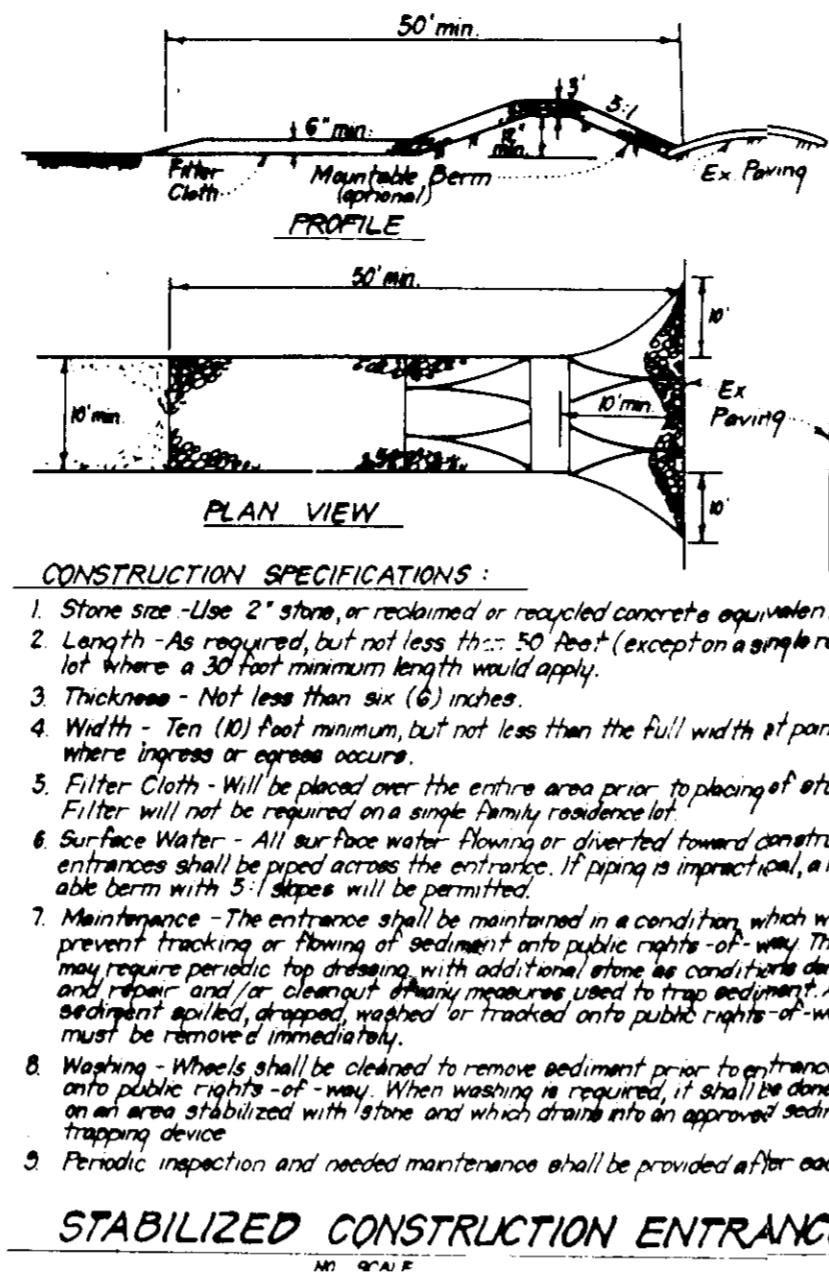
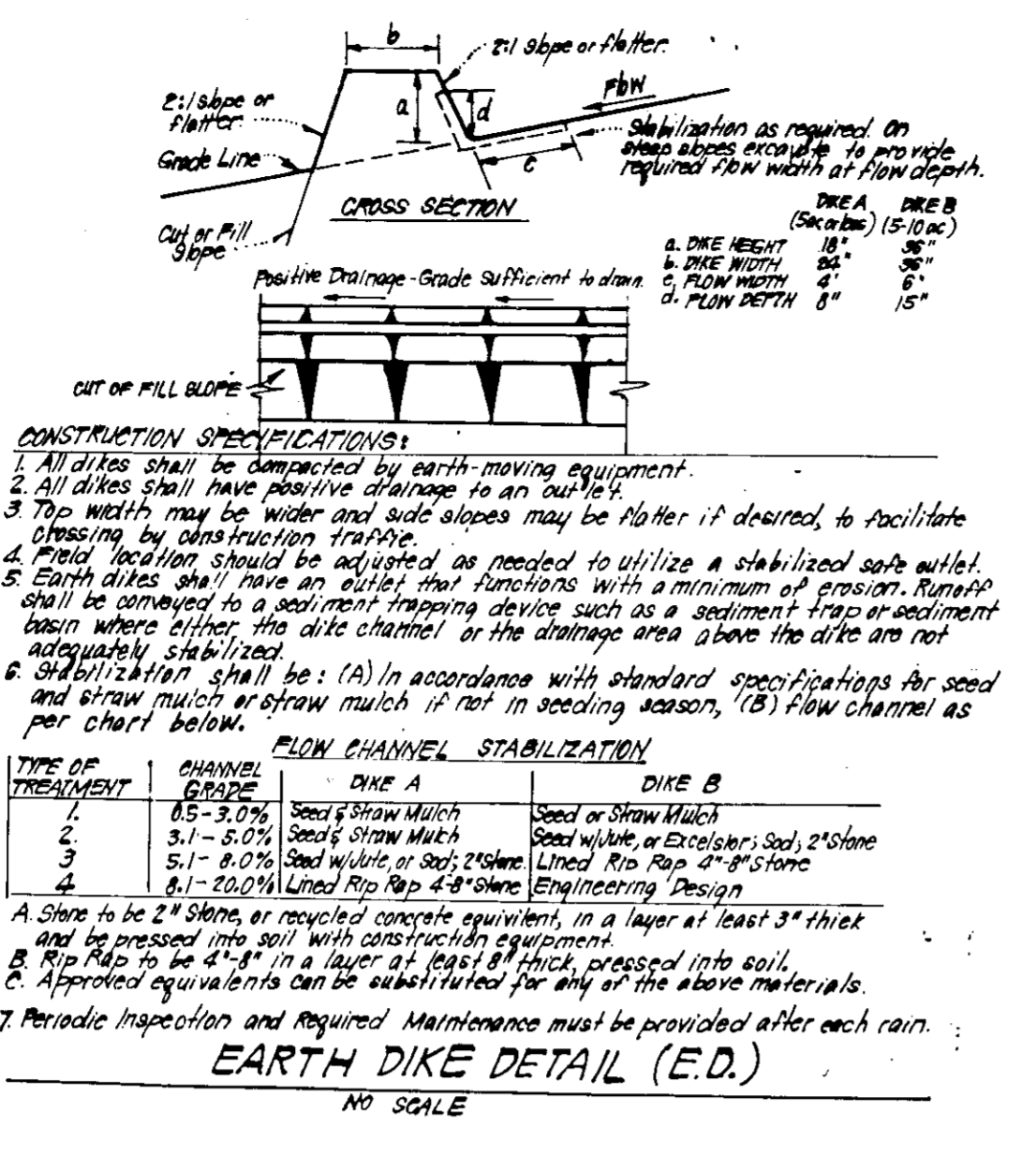
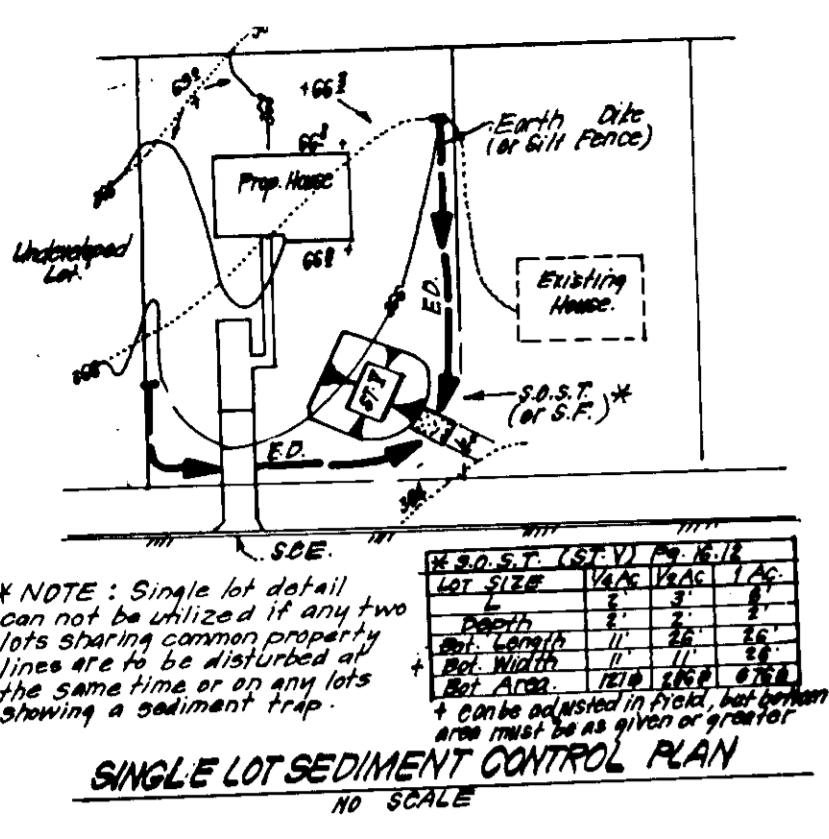
APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
 PLANNING DIRECTOR: [Signature] DATE: 2-4-86

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE,
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DIRECTOR: [Signature] DATE: 1-27-86

12-30-85
 [Signature]

CLARK · FINEFROCK & SACKETT
 ENGINEERS · PLANNERS · SURVEYORS
 11315 LOCKWOOD DRIVE · SILVER SPRING, MARYLAND 20904 · (301) 593-3400

DESIGNED BAF	SITE DEVELOPMENT PLAN LOTS 22 THRU 26 COLUMBIA VILLAGE OF HICKORY RIDGE SECTION 3 AREA 3 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND FOR: GOODIER BUILDERS, INC. 233 Deep Dale Drive Timonium, Md. 21093	SCALE 1"=30'
DRAWN KIW		DRAWING 1 OF 2
CHECKED JME		JOB NO. 85-113
DATE 10-14-85		FILE NO. 85-113-X



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.

Soil Amendments: In lieu of soil test recommendations, use one of the following schedules:

- 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).
- 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, discing or other acceptable means before seeding.

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 15 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 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for rate and methods not covered.

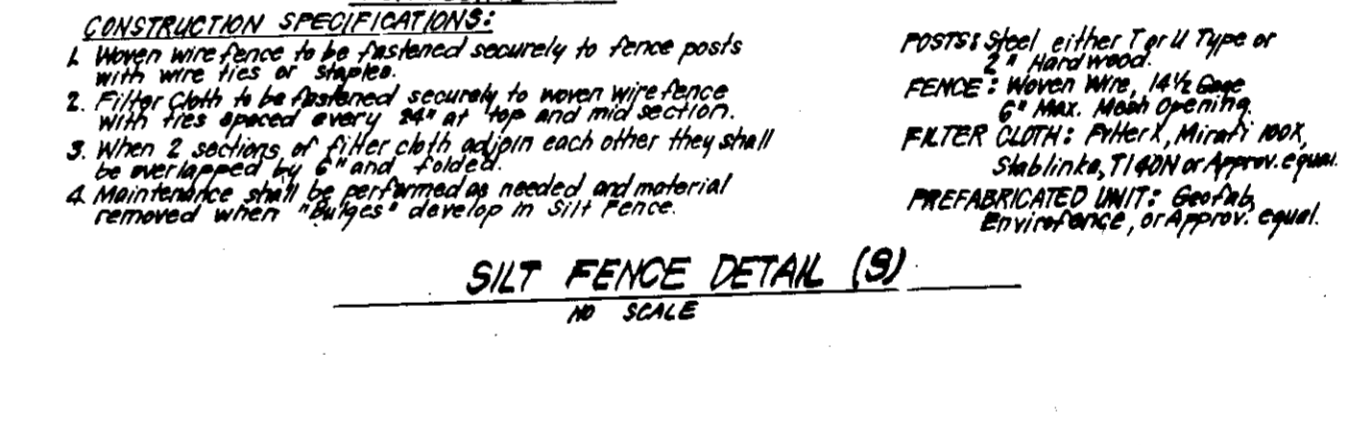
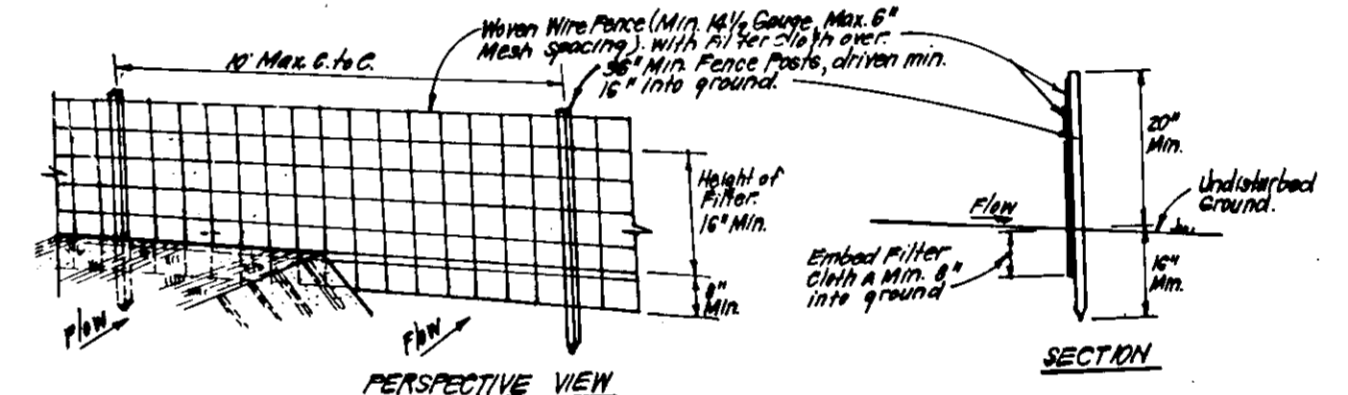
SEDIMENT CONTROL NOTES

- 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. (992-2437)
- 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 SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
- 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.
- 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.
- 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	0.9600 Acres
Area Disturbed	0.9600 Acres
Area to be roofed or paved	0.19 Acres
Area to be vegetatively stabilized	0.669 Acres
Total Cut	8022 Cu. yds
Total Fill	12 Cu. yds
Offsite waste/borrow area location	N/A
- Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
- Additional sediment control must be provided, if deemed necessary by the Howard County DEW 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.
- If houses are to be constructed on an "As-Built" basis, at random, Single Lot Sediment Control as shown below shall be implemented.
- All pipes to be blocked at the end of each day (see detail below). N/A
- The total amount of straw bale dikes/silt fence equals 810 L.F.

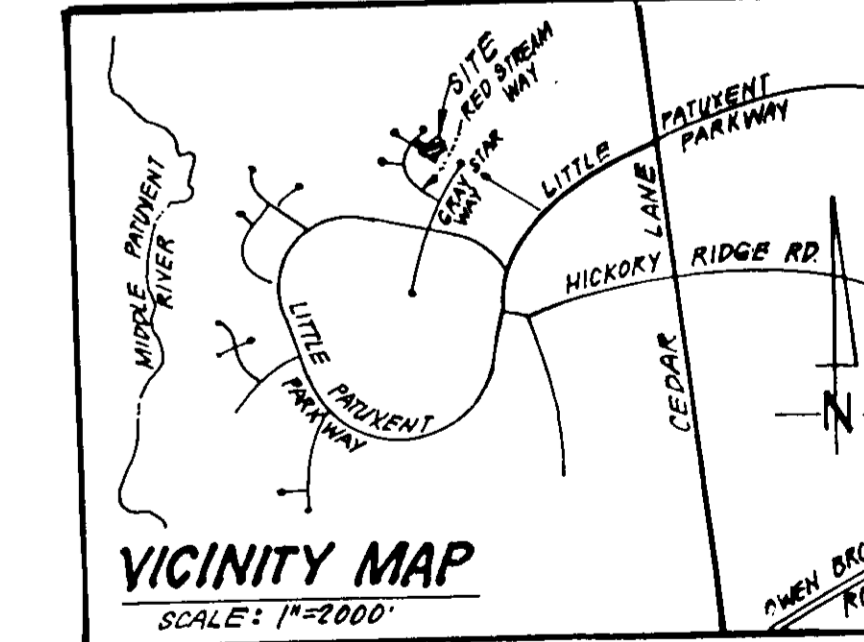
CONSTRUCTION SEQUENCE:

- | Activity | No. of Days |
|---|-------------|
| A. Obtain Grading Permit and Install Sediment and Erosion Control Devices and Stabilize. | 5 |
| B. Excavate for foundations and Rough Grade & Temporarily Stabilize. | 20 |
| C. Construct Structures, Sidewalks and Driveways. | 50 |
| D. Final Grade and stabilize in accordance with S.D.s. & Specs. | 7 |
| E. Upon approval of the sediment control inspector, remove sediment and erosion controls and stabilize. | 3 |



LEGEND:

- Contour Interval 2 Ft.
- Existing Contour
- Proposed Contour
- Spot Elevation
- Direction of Drainage
- Existing Trees to be Saved
- Walk -ur- Basement
- Show Bale Dike or Silt Fence
- Stabilized Construction Entrance
- Earth Dike



APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
DATE: 2-3-86

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
DATE: 2-4-86

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DATE: 1-27-86

APPROVED: DIVISION OF LAND DEVELOPMENT & ZONING, HOWARD COUNTY, MARYLAND
DATE: 12-30-85

Reviewed for Howard S.C.D. Name and Meets Technical Requirements of Department of Natural Resources U.S. Soil Conservation Service
Signature: Robert C. Goodier
Date: 12-4-85

DEVELOPER'S/BUILDER'S CERTIFICATE
I hereby certify that all development and construction will be done in accordance with this plan of development and plan for erosion and sediment control and that all responsible personnel involved in the construction shall have a Certificate of Attendance at a Dept. of Natural Resources 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 and deemed necessary.
Signature: Robert C. Goodier
Date: 12-4-85

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: G. Nelson Clark
Date: 12-2-85

CLARK • FINEFROCK & SACKETT
ENGINEERS • PLANNERS • SURVEYORS
11315 LOCKWOOD DRIVE • SILVER SPRING, MARYLAND 20904 • (301) 593-3400

SEDIMENT/EROSION CONTROL PLAN
LOTS 22 THRU 26
COLUMBIA
VILLAGE OF HICKORY RIDGE SECTION 3 AREA 9
5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
FOR: GOODIER BUILDERS, INC. R.C. 233 Pepp Dale Drive TOWSON, Md. 21286

DESIGNED: GLB
DRAWN: GLB
CHECKED: KHW
DATE: 11-27-85

SCALE: 1"=30'
DRAWING: 2 OF 2
JOB NO.: 85-113
FILE NO.: 85-113-9E

SDP-86-129