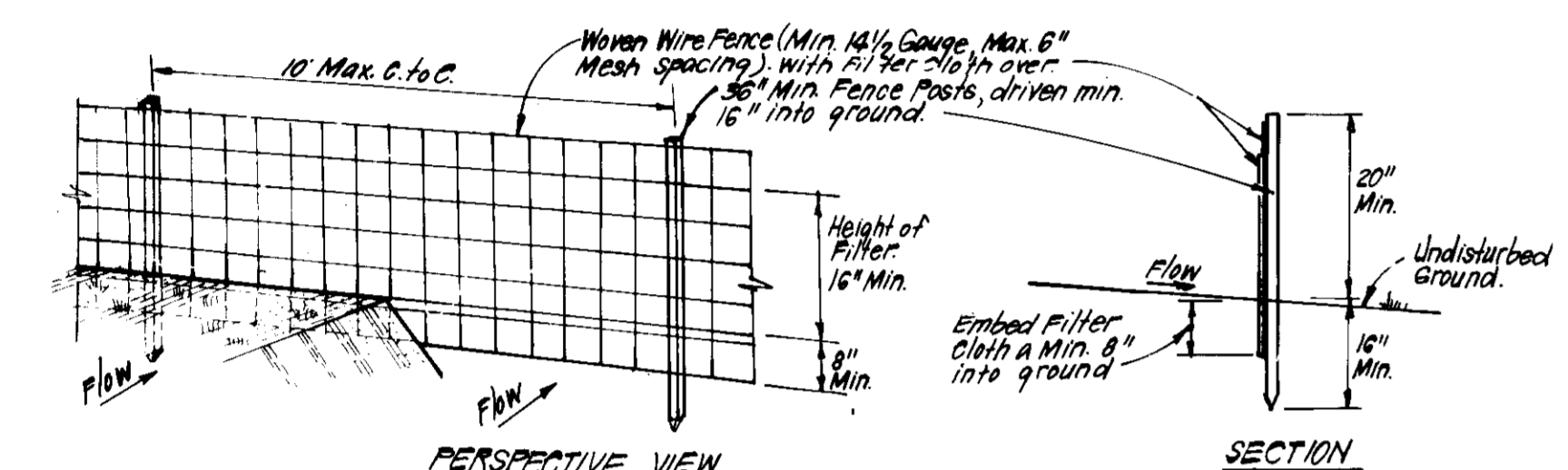


**CLOSED SECTION ROADWAY WITHOUT CONCRETE SIDEWALK**

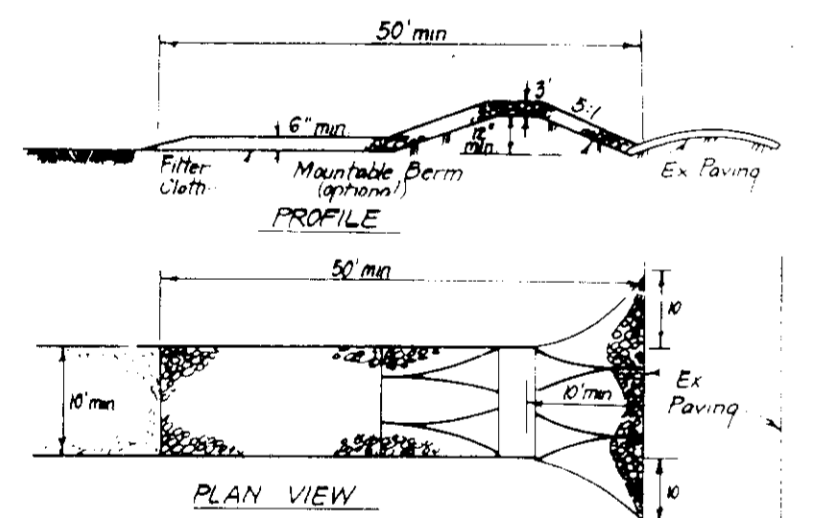


**SILT FENCE DETAIL (S)**  
NO SCALE

**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 folded.
4. Maintenance shall be performed as needed and material removed when "puddles" develop in silt fence.

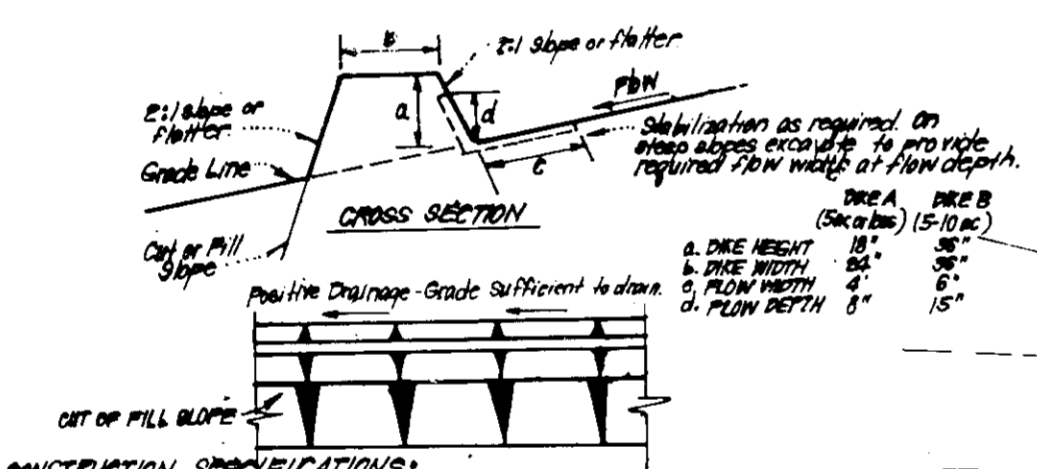
**POSTS:** Steel, either T or U Type or 2" Hardwood  
**FENCE:** Woven Wire, 12" Gauge  
**FILTER CLOTH:** Filterk, Mirak, 100X, Stabilink, T140N or Approx. equal  
**PREFABRICATED UNIT:** Geotex, Envirofence, or Approx. equal



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

**CONSTRUCTION SPECIFICATIONS:**

1. Stone size - Use 2" stone or recycled concrete equivalent.
2. Length - As required, but not less than 50 feet, except as a single residence lot where a 30' minimum length would be adequate.
3. Thickness - Not less than six (6) inches.
4. Width - Ten (10) feet minimum, but not less than the full width at points where ingress or egress occurs.
5. Filter Cloth - Will be placed over the entire area over top layer of stone. Filter will not be required on a single family residence lot.
6. Surface Water - All surface water flowing or directed toward construction entrances shall be piped across the entrance. If piping is impractical, a manhole curb with 5" slopes will be permitted.
7. Maintenance - The entrance shall be maintained in a condition which will prevent tracking or rolling of sediment into public rights-of-way. This may require periodic top dressing with additional stone as construction demands and repair and/or cleaning of any measures used to trap sediment. All sediment loaded, dropped, washed or tracked onto public rights-of-way must be removed immediately.
8. Washing - Wheels shall be cleaned to remove sediment from tires/entrance into 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.



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

**CONSTRUCTION SPECIFICATIONS:**

1. All dikes shall be compacted by earth-moving equipment.
2. All dikes shall have positive drainage to an outlet.
3. Top width may be wider and side slopes may be flatter if desired, to facilitate operation by construction vehicles.
4. Dike section should be adjusted as needed to utilize a stabilized soil method.
5. Earth dikes shall have an outlet that discharges with a minimum of erosion. Runoff shall be conveyed to a sediment trapping device such as a sediment trap or sediment basin where either the dike channel or the drainage area above the dike are not adequately stabilized.
6. Stabilization shall be: (A) in accordance with standard specifications for seed and straw mulch or straw mulch if not in seeding season, (B) flow channel as per chart below.

TYPE OF TREATMENT	CHANNEL SLOPE	DIKE A	DIKE B
1	0.5-2.0%	Seed or Straw Mulch	Seed or Straw Mulch
2	2.1-4.0%	Seed or Straw Mulch	Seed or Straw Mulch
3	4.1-6.0%	Seed or Straw Mulch	Seed or Straw Mulch
4	6.1-8.0%	Seed or Straw Mulch	Seed or Straw Mulch

A. Stone to be 2" stone, or recycled concrete equivalent, in a layer at least 3" thick and be pressed into soil with construction equipment.  
 B. Top layer to be 4" of 1/2" to 1" in a layer of 1/2" to 1" of stone, pressed into soil.  
 C. Approved equivalents can be substituted for any of the above materials.  
 7. Periodic inspection and required maintenance must be provided after each rain.

**APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS**  
 HOWARD COUNTY HEALTH DEPARTMENT  
 COUNTY HEALTH OFFICER: [Signature] DATE: 4-16-90

**APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING**  
 DIRECTOR: [Signature] DATE: 4/24/90

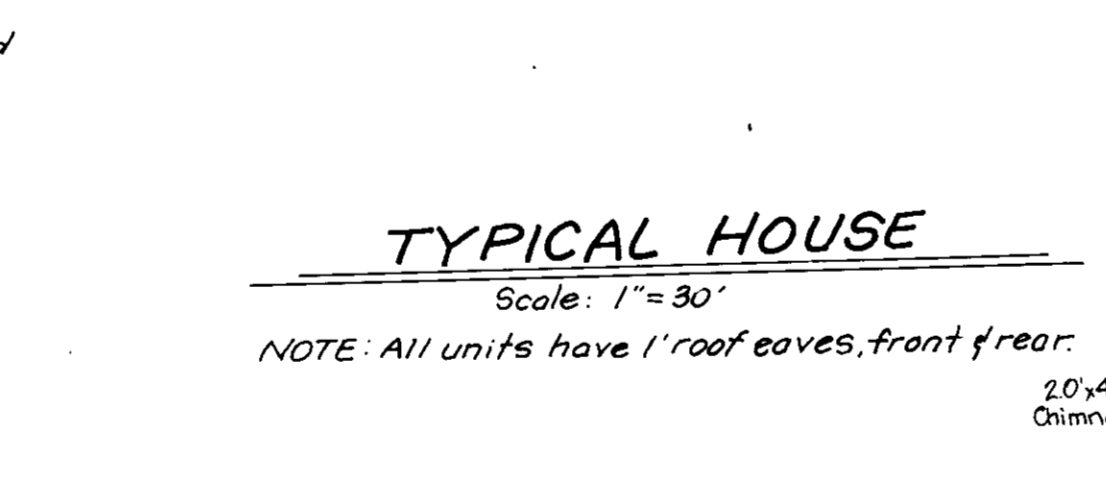
**APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE**  
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 DIRECTOR: [Signature] DATE: 4/11/90

**LOCAL BUREAU OF ENGINEERS**  
 DATE: 4/30

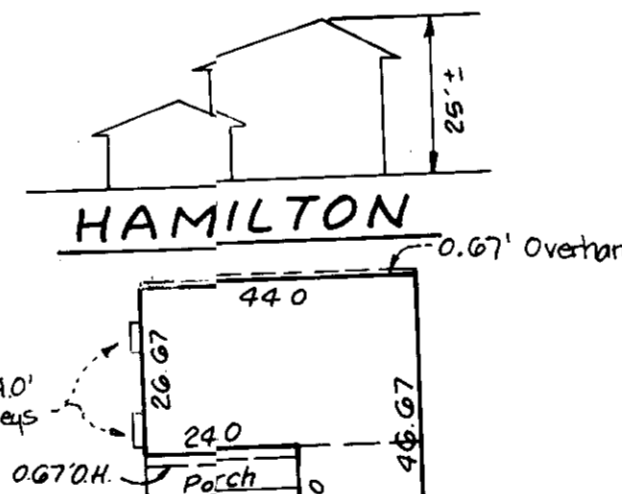
Reviewed for HOWARD COUNTY...  
 and meets Technical Requirements  
 James M. Nelson / JMN 3/29/90  
 U.S. Soil Conservation Service

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

[Signature] Approved 3/29/90



**TYPICAL HOUSE**  
Scale: 1" = 30'



**HAMILTON**  
Scale: 1" = 30'

NOTE: All units have 1" roof eaves, front rear.

17975 = 59917 #  
0.3 Min Lot Size

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

I hereby certify that the development and construction will be done in accordance with the approved plan for erosion and sediment control and that the necessary provisions will be made to ensure that the plan is followed.

[Signature] 12/8/89

**ENGINEER'S CERTIFICATE**

I hereby certify that this plan for Erosion and Sediment Control represents a minimum of a suitable plan based on a preliminary investigation of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.

[Signature] 12-7-89

**GENERAL NOTES**

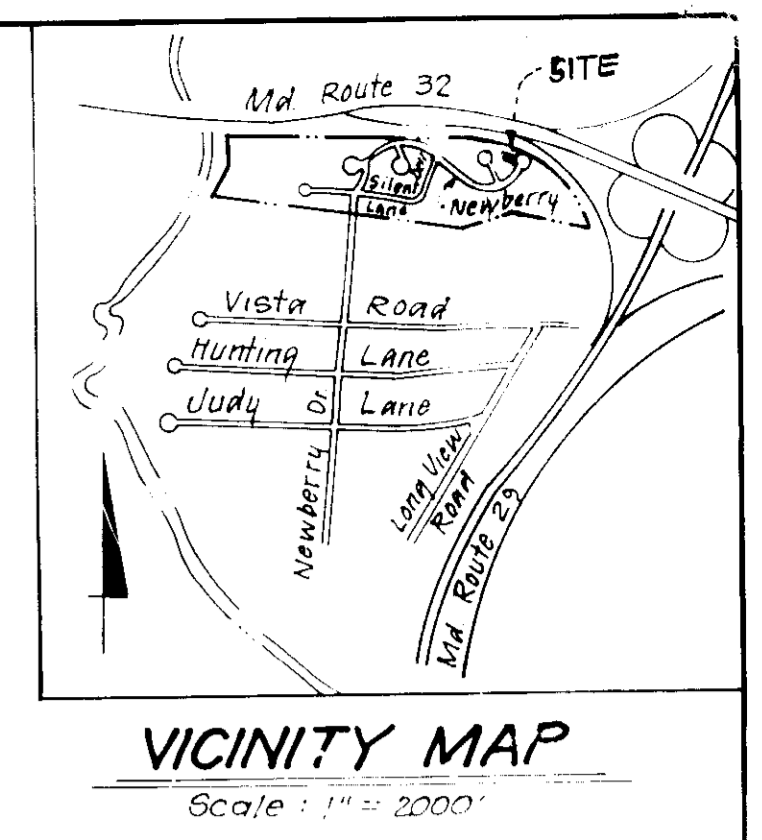
1. Subject property zoned NTSFMO per B 2 85 Comprehensive Zoning Plan.
2. The coordinates shown hereon are based on The Maryland State Grid System and derived from the following Howard County Control Monument 2340007.
3. All roadways are public and existing.
4. Total area included in this submission 87,264 sq. ft. or 0.2011 Acres.
5. Total number of lots: 1
6. Any damage to County owned right-of-ways shall be corrected at the Developer's expense.
7. Maximum lot coverage is 30%. Lot coverage for Hamilton model is 20.51%.
8. Reference plans S-87-73, P-88-31 and F-89-56 P-89-71, W-89-23.
9. The Contractor or Developer shall contact the Construction Inspection Survey Division, 24 hours in advance of commencement of work at 792-8630.
10. The existing topography shown was taken from plans prepared by Century Engineering, Inc. (F-89-56).
11. All work shall be done in accordance with Howard County Design Manual, Volume IV, Standards, Specifications and Details for construction, 1989 Amendments.

**LEGEND**

- Contour Interval 2 FT
- Existing Contour (solid line)
- Proposed Contour (dashed line)
- Spot Elevation (+10)
- Direction of Drainage (arrow)
- Walk out Basement (rectangle)
- Ex trees to be saved (circle)
- Offsite Grading by others (dashed line)
- Existing Silt Fence (line with 'S')
- Proposed Earth Dike (line with 'E.D.')
- Proposed Silt Fence (line with 'S')
- Stabilized Construction Entrance (line with 'SCE')

**SPECIAL NOTES**

1. All road construction, storm drainage, and public water and sewer are shown on this plan. Approved Howard County plans are as follows:
2. A waiver from stormwater management for this site was granted January 14, 1988, ordered by Century Engineering, Inc. (H.C. File F-88-100).



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

**SEDIMENT 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. (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 1983 MARYLAND STANDARDS AND SPECIFICATIONS 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 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 1983 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	0.20 Acres
Area Disturbed	0.19 Acres
Area to be roofed or paved	0.06 Acres
Area to be vegetatively stabilized	0.13 Acres
Total Cut	650 Cu. yds
Total Fill	100 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 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 initial approval by the inspection agency is made.
11. If houses are to be constructed on an "As-Built" basis, at random, Single Lot Sediment Control as shown below shall be implemented. N/A
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 300 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 Stds. & Specs.	30
E. Upon approval of the sediment control inspector, remove sediment and erosion controls and stabilize.	7

**ADDRESS CHART**

LOT	Street Address
20	6020 Newberry Drive

Subdivision Name: COLUMBIA VILLAGE OF HICKORY RIDGE  
 Sect. Area: 0.25  
 Plat No: 8460  
 Block No: 1  
 Zone: NTSFMO  
 Tax Map No: 41 P 42  
 Elec. Dist: 5TH  
 Census Tr: 6051  
 Water Code: H-03  
 Sewer Code: 5758200

**OWNER**  
 THE HOWARD RESEARCH AND DEVELOPMENT LAND CO.  
 The Rouse Building  
 10275 Little Patuxent Parkway  
 Columbia, MD 21049

**CLARK • FINEROCK & SACKETT, INC.**  
 ENGINEERS • PLANNERS • SURVEYORS  
 1115 MINISTERS WAY • COLUMBIA, MARYLAND • (301) 993-5500

**SITE DEVELOPMENT and SEDIMENT EROSION CONTROL PLAN**  
 LOT 29  
 COLUMBIA VILLAGE OF HICKORY RIDGE  
 SECTION 6, AREA 2  
 5TH ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND

DESIGNED: VHL  
 DRAWN: BAL  
 CHECKED: JME  
 DATE: 1/19/90

SCALE: 1" = 30'  
 DRAWING: 1 OF 1  
 JOB NO.: 83-083  
 (REV.) 059