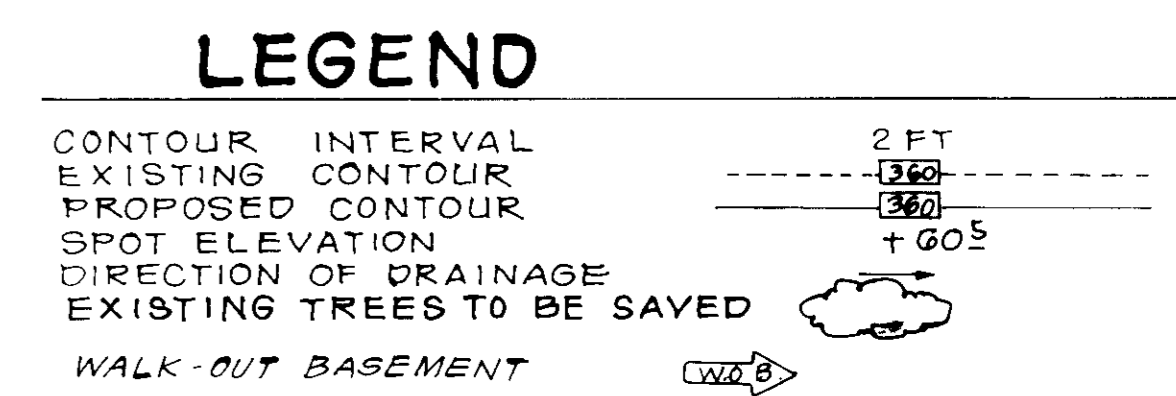
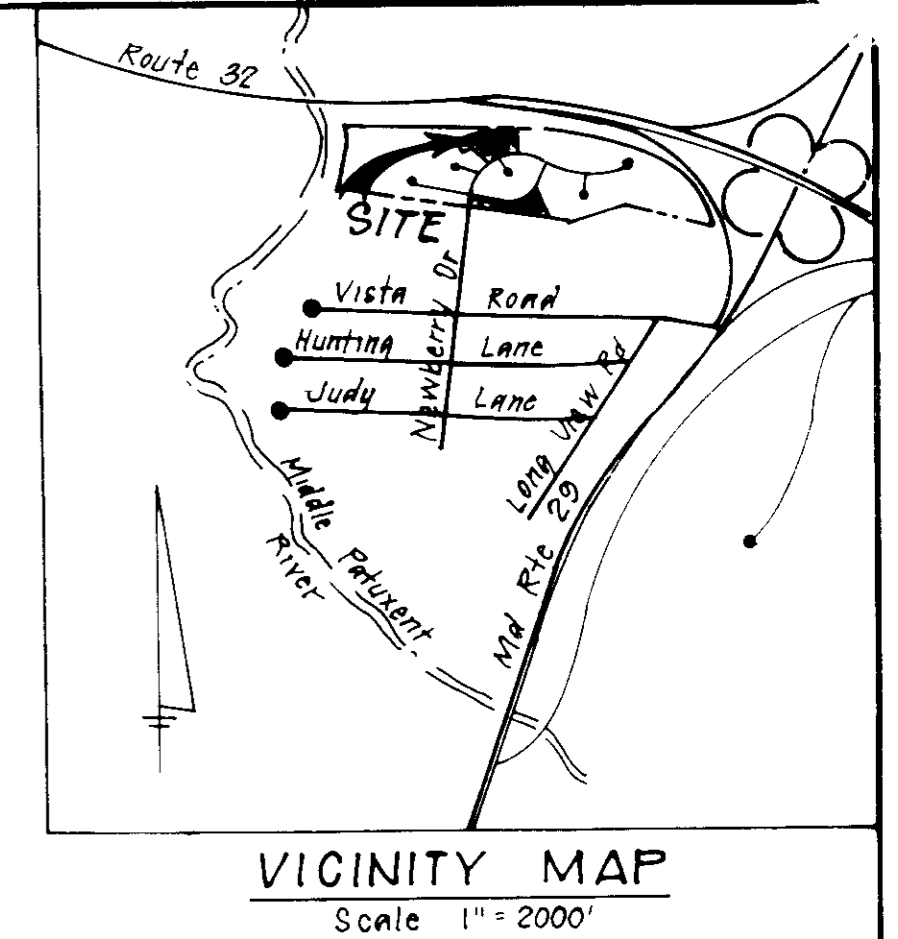
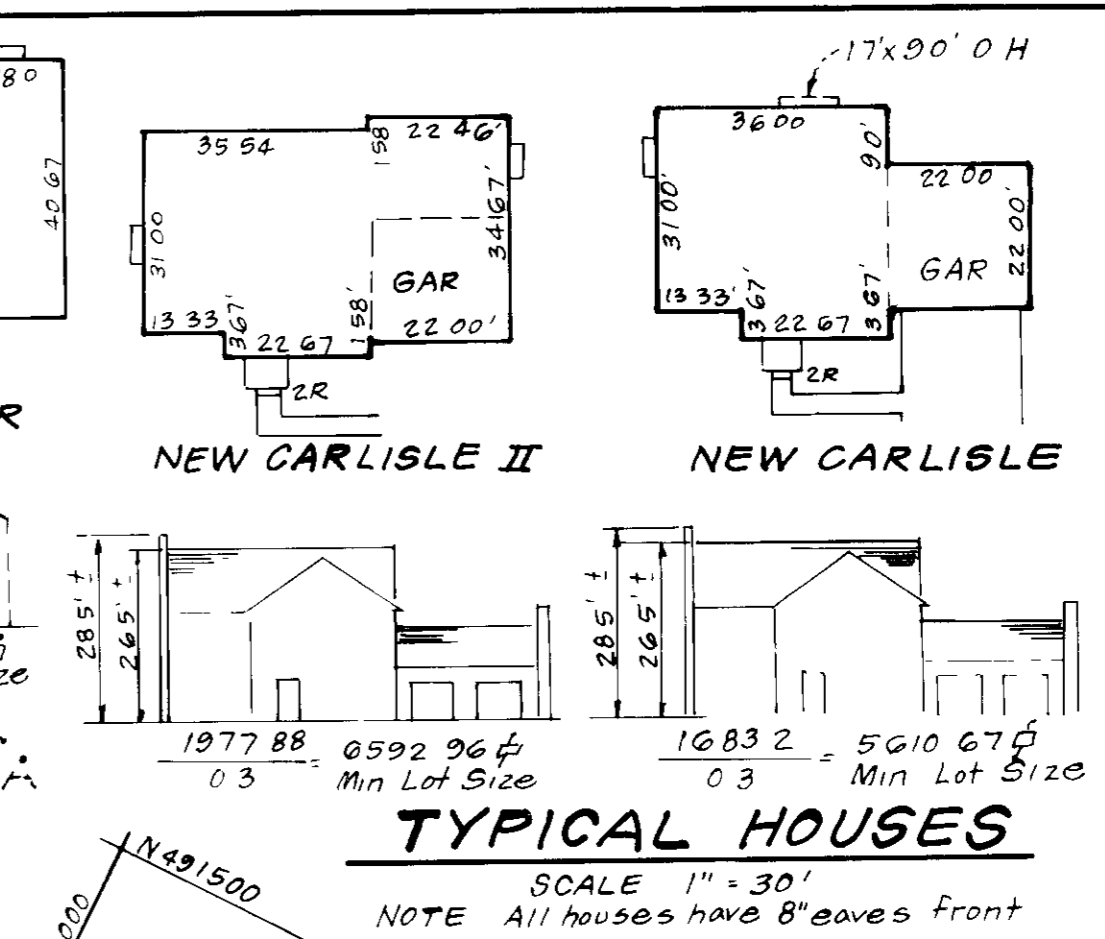


DRIVEWAY ABUTTING CLOSED SECTION WITH MODIFIED COMB CURB & GUTTER & SIDEWALK

LOT #	ADDRESS CHART
27	6976 NEWBERRY DRIVE
28	6972
29	6968
30	6964
55	6997 SILENT DELL LANE
56	6993
57	6989
58	6985
59	6981



- GENERAL NOTES**
- 1 Subject property is zoned New Town SFMD
 - 2 Coordinates are based upon the Maryland State Grid System, Howard County Geodetic Control Monument 2340007
 - 3 All roads are public and existing
 - 4 Any damage to county owned rights-of-ways to be corrected at the Developers Expense
 - 5 Total area included 338 Ac
 - 6 Total number of lots 9
 - 7 Reference Final Development Plan Phase 108
 - 8 Maximum Building Coverage 30%
 - 9 The Contractor or developer shall contact the Construction Inspection Survey Division 24 hours in Advance of commencement of work at 792-2630
 - 10 Reference N.P.s 9-87-73, V.P. 88-23, P. 88-31
 - 11 The existing topography was taken from Sediment & Erosion Control Plans F-88-195 Prepared by Century Engineering, Inc

- SPECIAL NOTES**
- 1 Approved road construction plans shall be used for all public utilities
 - 2 Public water and sewer shown for reference only for more detailed information see contract no
 - 3 The water and sewer house connections not included in a Developers Agreement shall conform to Howard Co. Plumbing Code. The on-site W/HO shall be 1/2" copper, the SHC shall be 1/2" iron
 - 4 A waiver for stormwater management for this site was granted January 14, '88 Prepared by Century Engineering

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

DATE: 12-28-88

DATE: 1-12-89

DATE: 1-6-89

DATE: 12-19-88

APPROVED

NOV. 10, 1988

SUBDIVISION NAME		SECT/AREA	LOTS 55-59
COLUMBIA-VILLAGE OF HICKORY RIDGE		G 1	27-30
PLAT	BLOCK	ZONE	TAXI/ZONE MAP/ELEC/DIST CENSUS #
813018134	5 & 6	MT MD	41 5 6051
WATER CODE		SEWER CODE	
E-22		6480000	

CLARK • FINEBROCK & SACKETT, INC
ENGINEERS • PLANNERS • SURVEYORS

7135 MINSTREL WAY • COLUMBIA MD 21045 • (301) 381-7200 - BALTO • (301) 621-8100 - WASH

DESIGNED: VL/JME
DRAWN: GS
CHECKED: JME
DATE: 10-18-88

SITE DEVELOPMENT PLAN
LOTS 55-59 & 27-30
COLUMBIA VILLAGE OF HICKORY RIDGE

SECTION G AREA 1
SELECTION DISTRICT
HOWARD COUNTY, MARYLAND

FOR CONSOLIDATED HOME BUILDERS INC
8950 Route 78
Columbia, Maryland 21045

SCALE: 1" = 30'
DRAWING: 1 of 2
JOB NO: 88-130
FILE NO: 88-130X



- 1) All developments shall be in accordance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL AND STATE T-107003.
- 2) Following initial soil disturbance or redisturbance permanent or temporary stabilization shall be completed within 14 calendar days for all perimeter sediment control structures, all new perimeter slopes and all slopes steeper than 1:1, 14 days to all other disturbed or graded areas on the project site.
- 3) All sediment traps/basins shall be fenced and warning signs placed around their perimeter in accordance with Vol. 1, Chapter 12, of the HOWARD COUNTY DESIGN MANUAL, Storm Drainage.

DEVELOPER'S SOIL EROSION CONTROL CERTIFICATE

I/We certify that all developments and activities will be done according to the 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 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 are deemed necessary.

Signature 11-3-88
 Title of Developer/Builder

- 4) All disturbed areas must be stabilized within the 14-day period specified above in accordance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for permanent seedings (Sec. 31) and (Sec. 54), temporary seedings (Sec. 30) and (Sec. 52). Temporary stabilization with mulch alone can only be done when recommended seeding mixes do not allow for proper germination and establishment of grasses.
- 5) 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.
- 6) Site Analysis:
 - Total Area of Site: 3.654 Acres
 - Area to be roofed or paved: 0.46 Acres
 - Area to be vegetatively stabilized: 1.67 Acres
 - Total Cut: 3450 Cu Yds
 - Total Fill: 3800 Cu Yds
 - Off-site waste/borrow area location: 0.46 AC
- 7) Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired or the same day of disturbance.
- 8) Additional sediment control must be provided, if deemed necessary by the Howard County DWM sediment control inspector.
- 9) 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, out 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.
- 10) If houses are to be constructed on an "As-Soils" basis, at minimum, Simple Soil Sediment Control as shown below shall be implemented.
- 11) All pipes to be blocked at the end of each day (see detail below) N/A
- 12) The total amount of straw bale dikes/silt fence equals 1135 LF

PERMANENT SEEDING NOTES

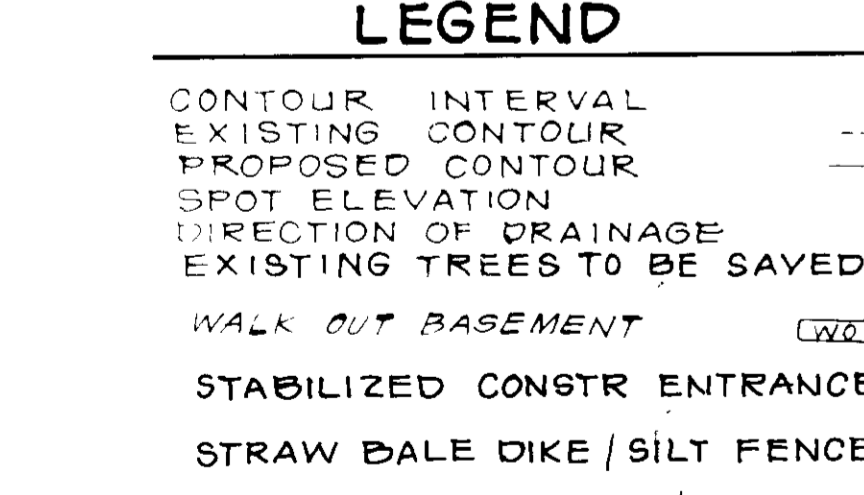
Apply to graded or cleared areas not subject to immediate further disturbance where a permanent stabilized vegetative cover is needed.

Soil Preparation: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding, if not previously loosened.

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

- 1) Pre-ferred - 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, arrow or disc into upper three inches of soil. At time of seeding, apply 400 lbs per acre 30-0-0 urea 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, arrow 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 90 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 per acre of Kentucky 31 Tall Fescue per acre and 2 lbs per acre (0.5 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 seed Option (1) 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 2 1/2 gallons per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes, 8 ft or higher, use 368 gal per acre (8 gal/1000 sq ft) for anchoring.
- Maintenance - Inspect all seeded areas and make needed repairs, replacements and adjustments.

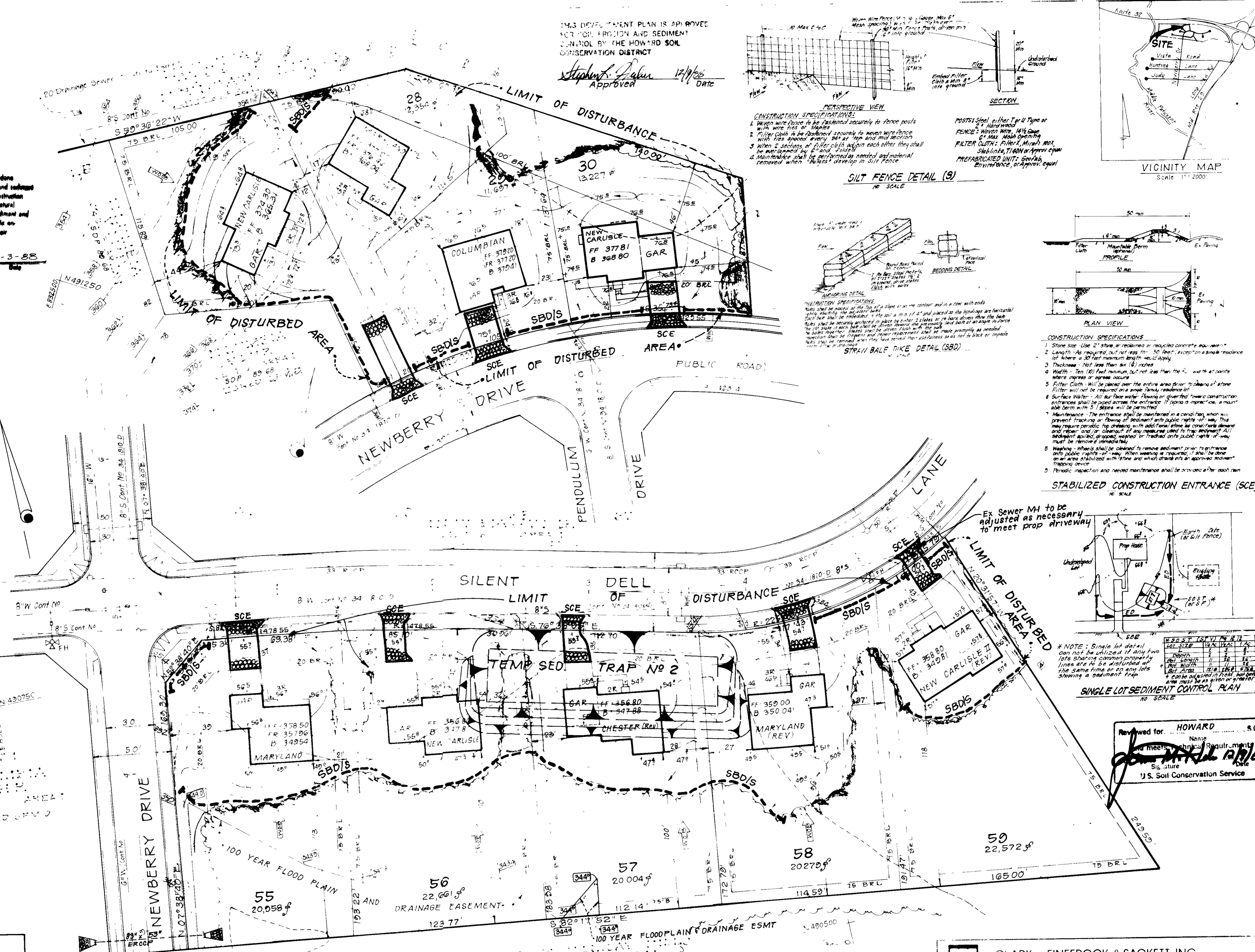
- TEMPORARY SEEDING NOTES**
- Apply to graded or cleared areas likely to be redisturbed where a short-term vegetative cover is needed.
- Soil Preparation: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding, if not previously loosened.
- Soil Amendment: Apply 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 lbs 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 (0.7 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 (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 2 1/2 gallons per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes, 8 ft or higher, use 368 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.



Signature 12-28-88
 Title
 COMMUNITY PLANNING
 LAND DEVELOPMENT

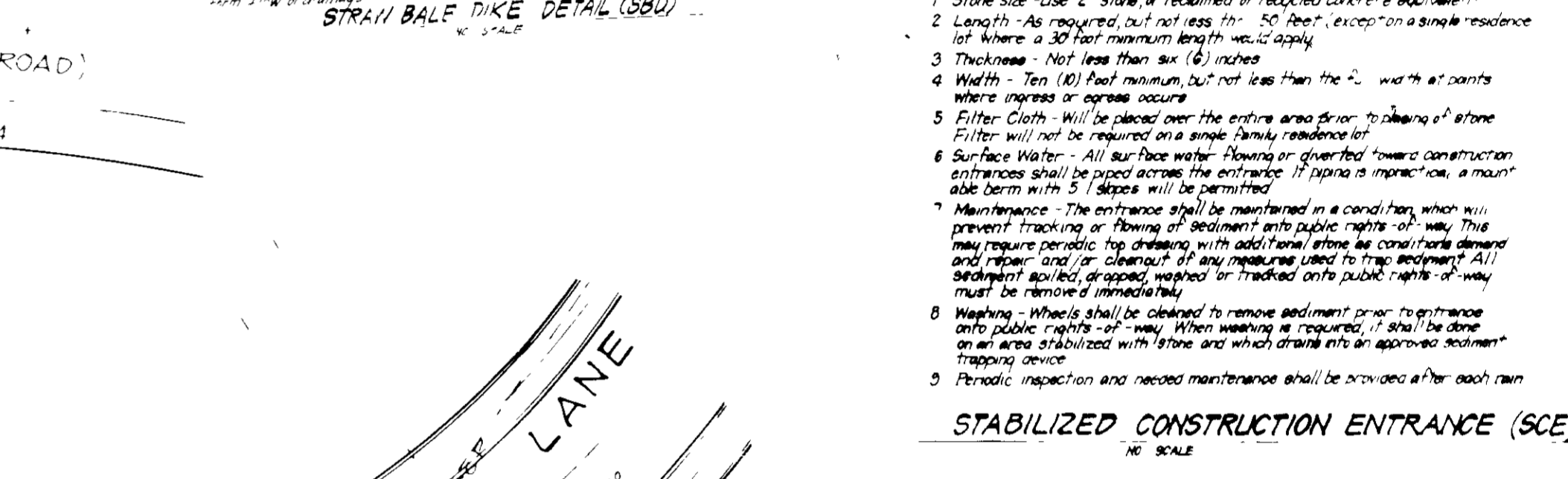
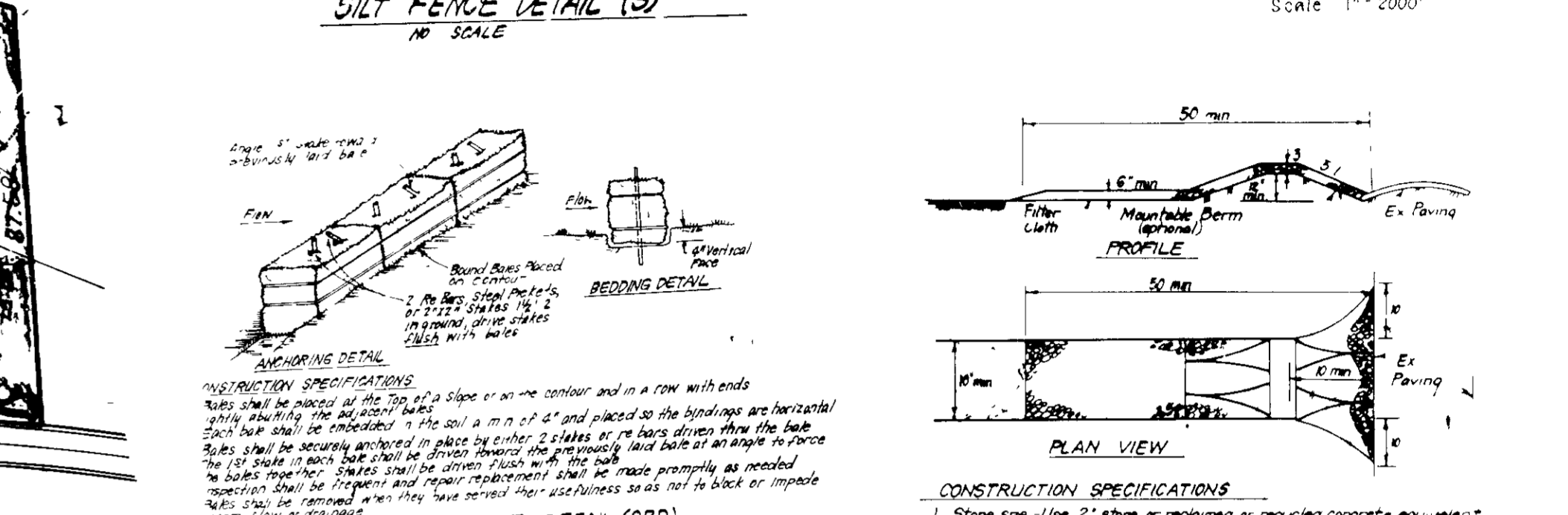
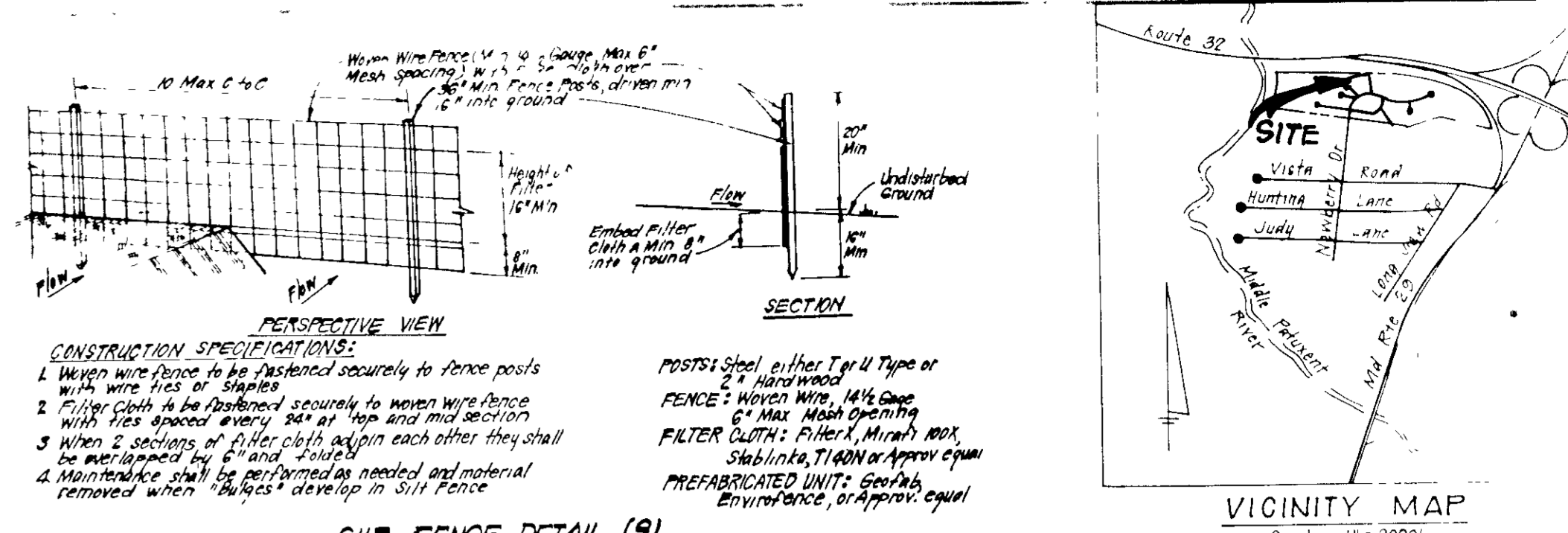
APPROVED

CO. & LA. DISTRICT
 HOWARD COUNTY
 DATE: **NOV. 19, 1988**



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

Signature 11/1/88
 Approved Date



Signature 12-28-88
 Title
 COMMUNITY PLANNING
 LAND DEVELOPMENT

APPROVED

CO. & LA. DISTRICT
 HOWARD COUNTY
 DATE: **NOV. 19, 1988**

ENGINEERS CERTIFICATE

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

Signature 10-20-88
 G Nelson Clark Date

STATE OF MARYLAND
 REGISTERED PROFESSIONAL ENGINEER
 NO. 7199
 EXPIRES 10-20-88

CLARK • FINEROCK & SACKETT, INC.
 ENGINEERS • PLANNERS • SURVEYORS

SEDIMENT EROSION CONTROL PLAN
 LOTS 55-58 & 27-30
COLUMBIA
 VILLAGE OF HICKORY RIDGE
 SECTION 6 AREA I
 5th ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

For CONSOLIDATED HOME BUILDERS, INC
 8950 ROUTE 108
 COLUMBIA, MD 21045

SDP 89-73