

**LEGEND:**

- 1. Contour Interval 2 Ft.
- 2. Existing Contour 100'
- 3. Proposed Contour 110'
- 4. Spot Elevation 1105'
- 5. Direction of Drainage
- 6. Walk Out Basement
- 7. Existing Trees to Remain
- 8. Timber Retaining Wall

**GENERAL NOTES**

1. The land included is zoned New Town S.F.A.
  2. Coordinates are based upon traverse controls for Columbia established by Maps Inc. in 1968 and by Parulum & Veschke in 1968, which controls were tied to Md. Bureau of Control Survey Monuments and to U.S. Coast & Geodetic Survey Monuments in the Columbia Area.
  3. All roads are existing.
  4. Any damage to county owned rights-of-way shall be corrected at the Developer's expense.
  5. Total Area Included: 4.014 Acres
  6. Number of Parking Spaces Provided: 213 Required: 204
  7. Number of Units Shown: 102, Permitted: 102
  8. Garages shown on this Plan shall be used only for parking purposes, in accordance with Section 127.8.2.b.(18) of the Howard County Zoning Regulations.
  9. The lots shown on this plan are covered by Final Development Plan Phase 1B1-A-II Part II.
  10. Storm Water Management provided in Central Facility in F-83-120 & F-86-54.
  11. Lots H-29 thru H-35 and H-88 thru H-94 are Garage Units without Basements.
  12. Building Coverage:  $4.0241$  (Area of Bldgs) = 38.87%  
 $10.3572$  (Area of Site)
- \* PARKING TABULATION  
Garage Parking 14  
Driveway Parking 14  
Surface Parking 185  
Total Parking 213

Note: The Contractor or developer shall contact the Construction Inspection / Survey Division 24 hrs in advance of construction at 792-7272.

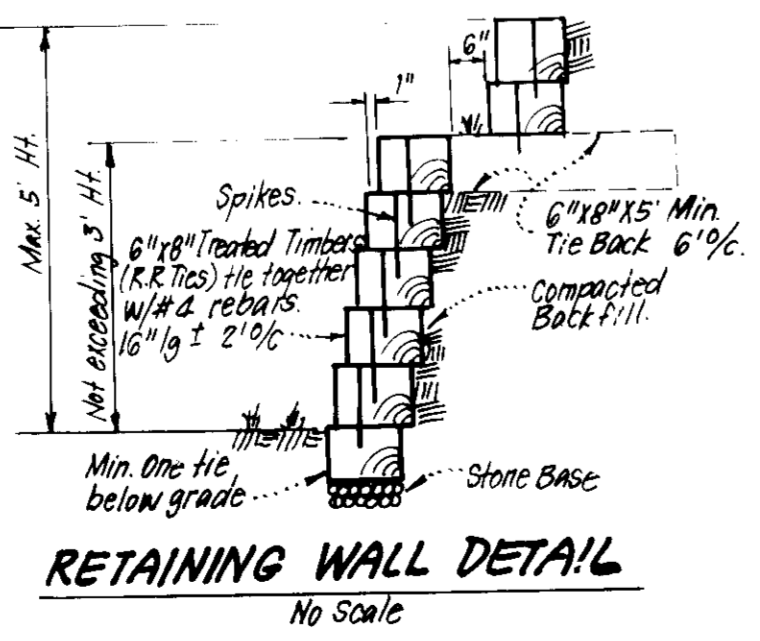
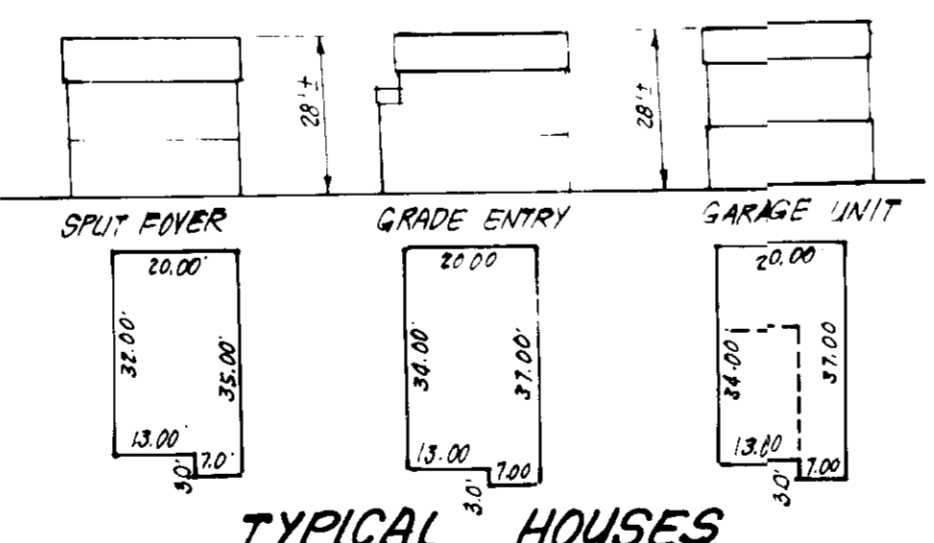
Public Water & Sewer are shown for Reference only. For more detailed information, see W/S Contract No. See Road Construction Plans for Installation of Public Utilities.

NOTE: This plan was granted a variance from Section 16.121.A.6 of the Ho. Co. Sub. and Land Reg. by V.P. 86-139

**ADDRESS CHART**

LOT #	STREET ADDRESS	LOT #	STREET ADDRESS
H-1	11701 STONEGATE LANE	H-52	11778 STONEGATE LANE
H-2	11703 " "	H-53	11774 " "
H-3	11705 " "	H-54	11774 " "
H-4	11707 " "	H-55	11770 " "
H-5	11709 " "	H-56	11768 " "
H-6	11711 " "	H-57	11768 " "
H-7	11713 " "	H-58	11764 " "
H-8	11715 " "	H-59	11762 " "
H-9	11717 " "	H-60	11760 " "
H-10	11721 " "	H-61	11758 " "
H-11	11723 " "	H-62	11756 " "
H-12	11725 " "	H-63	11754 " "
H-13	11727 " "	H-64	11752 " "
H-14	11731 " "	H-65	11750 " "
H-15	11733 " "	H-66	11748 " "
H-16	11735 " "	H-67	11744 " "
H-17	11737 " "	H-68	11742 " "
H-18	11739 " "	H-69	11740 " "
H-19	11741 " "	H-70	11738 " "
H-20	11745 " "	H-71	11736 " "
H-21	11747 " "	H-72	11732 " "
H-22	11749 " "	H-73	11730 " "
H-23	11751 " "	H-74	11728 " "
H-24	11753 " "	H-75	11726 " "
H-25	11755 " "	H-76	11724 " "
H-26	11757 " "	H-77	11722 " "
H-27	11759 " "	H-78	11720 " "
H-28	11761 " "	H-79	11716 " "
H-29	11765 " "	H-80	11714 " "
H-30	11767 " "	H-81	11712 " "
H-31	11769 " "	H-82	11710 " "
H-32	11771 " "	H-83	11708 " "
H-33	11773 " "	H-84	11706 " "
H-34	11775 " "	H-85	11704 " "
H-35	11777 " "	H-86	11702 " "
H-36	11781 " "	H-87	11700 STONEGATE LANE
H-37	11783 " "	H-88	11698 BLUE FEBRUARY WAY
H-38	11785 " "	H-89	11696 " "
H-39	11787 " "	H-90	11694 " "
H-40	11789 " "	H-91	11692 " "
H-41	11791 " "	H-92	11690 " "
H-42	11793 " "	H-93	11688 " "
H-43	11795 " "	H-94	11686 " "
H-44	11796 " "	H-95	11684 " "
H-45	11794 " "	H-96	11682 " "
H-46	11792 " "	H-97	11680 " "
H-47	11790 " "	H-98	11678 " "
H-48	11788 " "	H-99	11676 " "
H-49	11784 " "	H-100	11674 " "
H-50	11782 " "	H-101	11672 " "
H-51	11780 STONEGATE LANE	H-102	11670 BLUE FEBRUARY WAY

SUBDIVISION NAME	COLUMBIA	SECT / AREA	LOTS
VILLAGE OF HICKORY RIDGE		3/C	H-1 THRU H-102
PLAT #	8834 (6835)	BLOCK #	10
WATER CODE	E 27	SEWER CODE	688001 & 687001



APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS.  
HOWARD COUNTY HEALTH DEPARTMENT  
DATE: 8-8-86

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING  
DATE: 8-11-86

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE.  
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
DATE: 8-7-86

4-16-86

**CLARK • FINEFROCK & SACKETT**  
ENGINEERS • PLANNERS • SURVEYORS  
11315 LOCKWOOD DRIVE • SILVER SPRING, MARYLAND 20904 • (201) 593-3400

DESIGNED: JME  
DRAWN: K/W  
CHECKED: JME  
DATE: 1-22-86

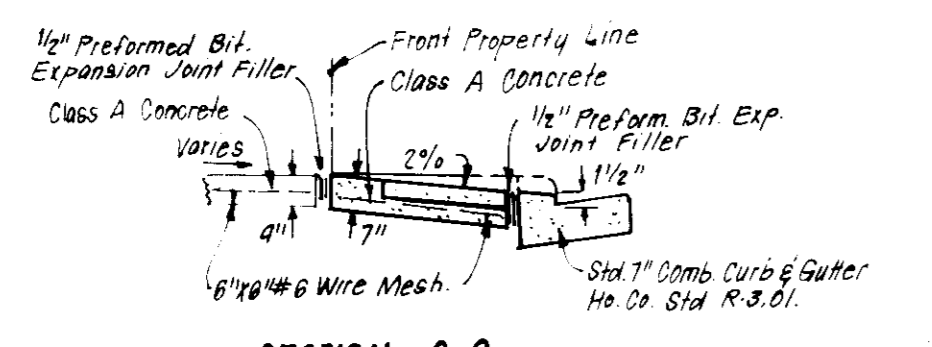
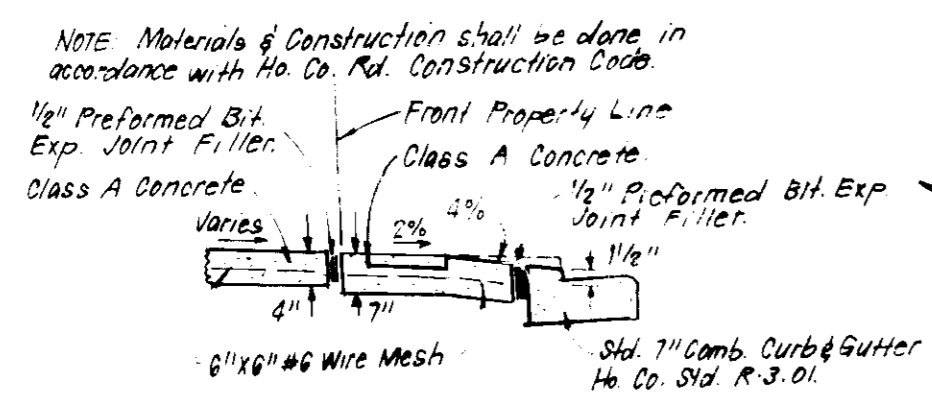
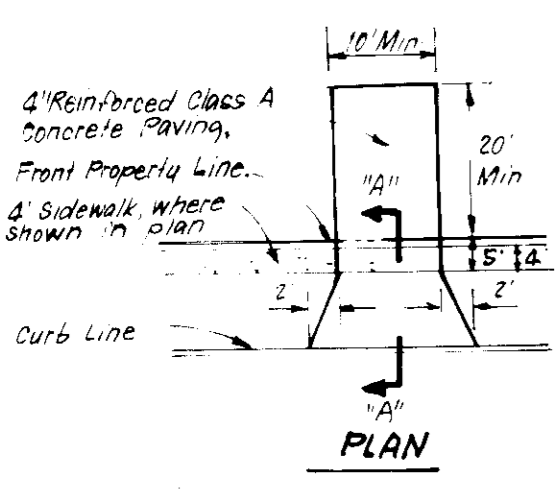
**SITE DEVELOPMENT PLAN**  
LOTS H-1 THRU H-105  
**COLUMBIA**  
VILLAGE OF HICKORY RIDGE  
SECTION 3  
5TH ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND

FOR: THE TROUTMAN COMPANY  
White Lake Village Green #300  
Columbia, Md.

SCALE: 1" = 30'  
DRAWING: 107-7  
JOB NO: 85-017  
FILE NO: 85-017-X

SDP-86-181-c





DRIVEWAY ABUTTING STD. 7" COMB. CURB & GUTTER.  
NO SCALE



APPROVED:  
PLANNING BOARD  
OF HOWARD COUNTY  
DATE: 4-16-86

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,  
HOWARD COUNTY HEALTH DEPARTMENT  
DATE: 8-2-86

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING  
DATE: 4-11-86

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE,  
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
DATE: 8-5-86

SUBDIVISION NAME	COLUMBIA	SECT / AREA	LOTS
VILLAGE OF HICKORY RIDGE	3 / G	H-1 THRU H-105	
PLAT #	6834 / 6835	ZONE	TAX / ZONE MAP
10	G.F.A.	35	ELEVED DIST / CENSUS TR
WATER CODE	E-27	SEWER CODE	6650000 / 6660000

**CLARK · FINEFROCK & SACKETT**  
ENGINEERS · PLANNERS · SURVEYORS

1131F LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904

DESIGNED: JME  
DRAWN: KIW  
CHECKED: JME  
DATE: 1-22-86

**SITE DEVELOPMENT PLAN**  
LOTS H-1 THRU H-105

**COLUMBIA**  
VILLAGE OF HICKORY RIDGE  
SECTION 3 AREAS 6  
5TH ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND  
FOR: THE TROUTMAN COMPANY  
Wide Lake Village Green #300  
COLUMBIA, Md. 21044

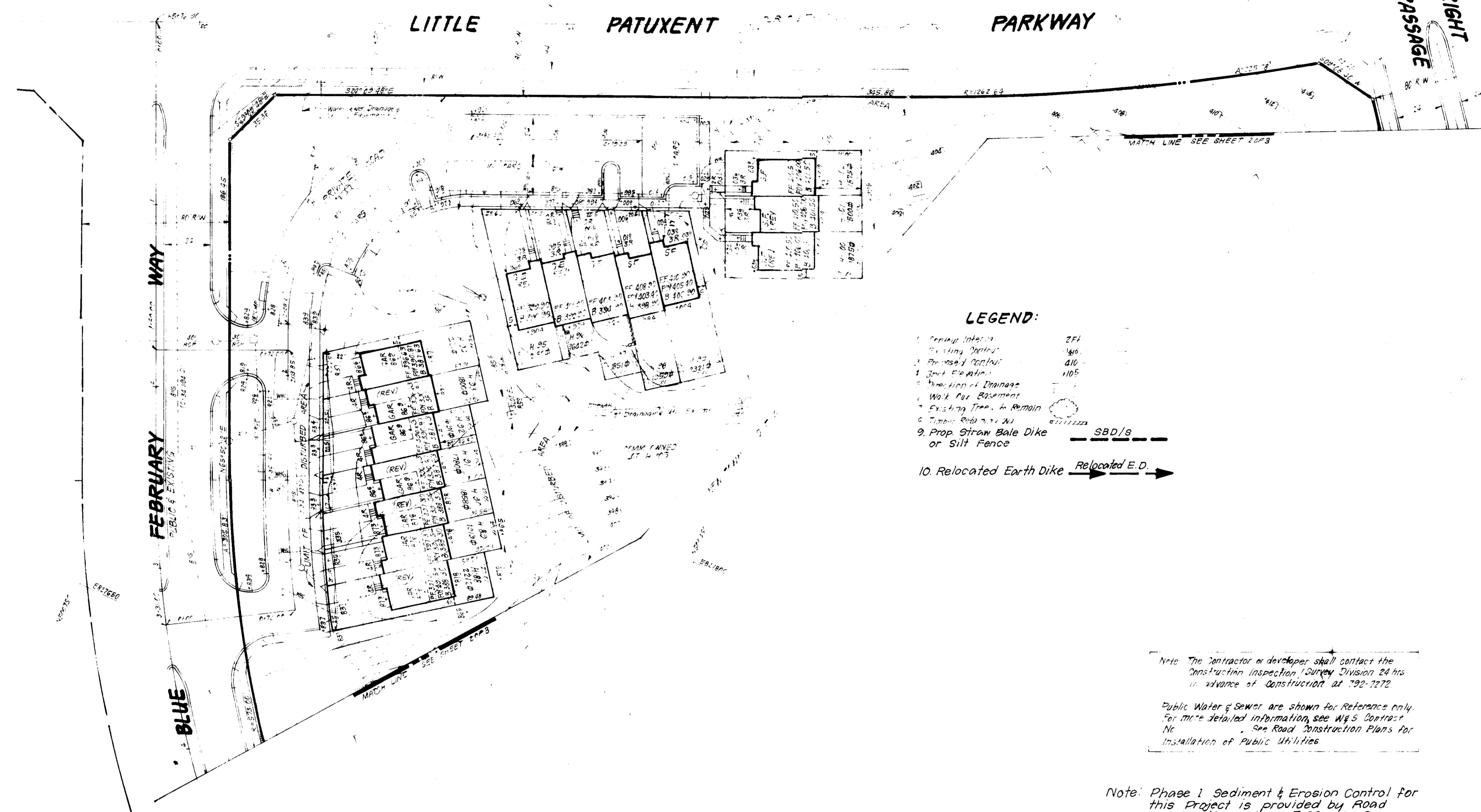
SCALE: 1"=30'  
DRAWING: 2 OF 7  
JOB NO: 85-17  
FILE NO: 85-017 X

SDP-86-181c





VICINITY MAP  
SCALE 1"=200'



**LEGEND:**

- 1. Existing Interiors 2FL
- 2. Existing Interiors 1FL
- 3. Proposed Interiors 410
- 4. Proposed Interiors 105
- 5. Direction of Drains
- 6. Walk Out Basement
- 7. Existing Trees to Remain
- 8. Timber Retention Wall
- 9. Prop. Straw Bale Dike or Silt Fence SBD/s
- 10. Relocated Earth Dike Relocated E.D.

Note: The Contractor or developer shall contact the Construction Inspection, Survey Division 24 hrs in advance of construction at 792-7272

Public Water & Sewer are shown for Reference only. For more detailed information, see W/S Contract No. See Road Construction Plans for Installation of Public Utilities.

Note: Phase 1 Sediment & Erosion Control for this Project is provided by Road Construction Plans F.86-103. See Construction Sequence on Sheet 3.

SUBDIVISION NAME		PC 1MB14	SECT	AREA	LOTS
VILLAGE OF HICKORY RIDGE		3 P	H	HTRU 102	
PLAT #	BLOCK #	ZONE	TAX / ZONE MAP	FILED DIST	CENSUS TR
6834 & 6835	10	N.T.	3E	5TH	6053.01
WATER CODE		SEWER CODE			
E-27		6650000 & 6660000			

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

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING

PLANNING DIRECTOR  
*John W. McClellan*  
DATE: 8-11-86

CHIEF DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION

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

DIRECTOR  
*W. W. Zeeke*  
DATE: 8-28-86

11511 LOCKWOOD DRIVE

APPROVED  
PLANNING BOARD  
HOWARD COUNTY  
DATE: 4-16-86  
*[Signature]*

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

"I hereby 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 necessary permits and approvals for the construction project will have been obtained from the appropriate State and Federal Resources, Appropriate Federal Agencies for the protection of Natural Resources 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."

*Douglas McCauley*  
Signature of Developer/Builder  
DOUGLAS MCCAULEY  
DATE: 2-28-86

Reviewed for HOWARD S.C.D.  
and meet the requirements  
*Douglas McCauley* 7-31-86  
Signature Date  
US Soil Conservation Service

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

*R. W. Zeeke* 7-31-86  
Signature Date  
Approved by [Signature]

**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.

*G. Nelson Clark* 2-26-86  
Signature Date  
G. Nelson Clark

**CLARK · FINEFROCK & SACKETT**  
ENGINEERS · PLANNERS · SURVEYORS

11311 LOCKWOOD DRIVE · SILVER SPRING, MARYLAND 20904 301-593-3400

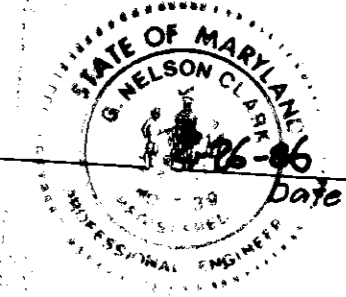
DESIGNED	6LB	<b>SEDIMENT &amp; EROSION CONTROL PLAN</b> LOTS H-1 THRU H-105 <b>COLUMBIA</b> VILLAGE OF HICKORY RIDGE SECTION 3 AREA 9 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND FOR THE TROUTMAN COMPANY Wilde Lake Village Green #304 COLUMBIA, MD. 21044 <b>SDP-86-181c</b>	SCALE	1"=30'
DRAWN	K/W		DRAWING	307
CHECKED	6LB		JOB NO.	8507
DATE	2-25-86		FILE NO.	85-D-7 SE



MATCH LINE SEE SHEET 1 OF 3

**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.

*D. Nelson Clark*  
D. Nelson Clark  
Date



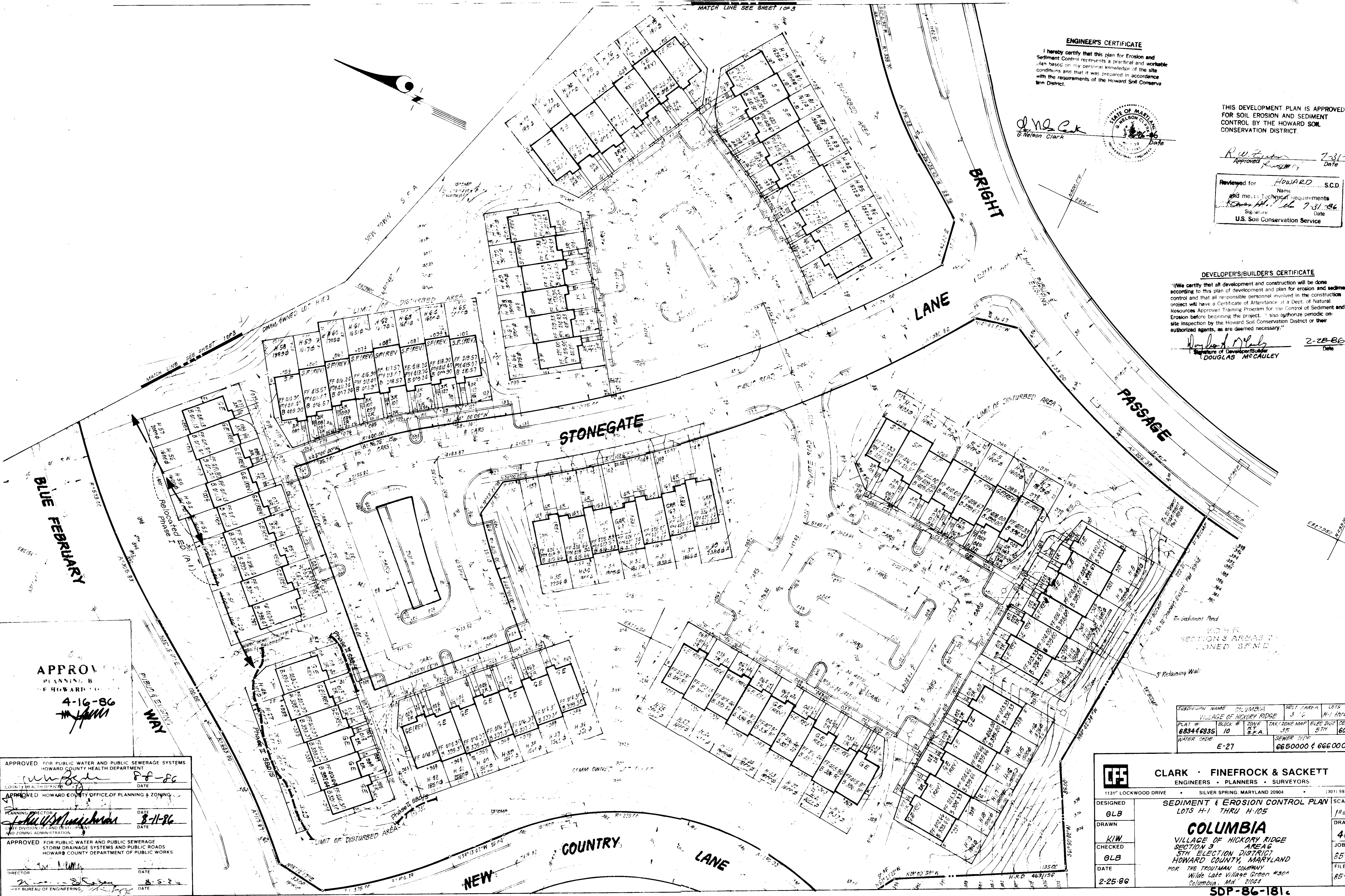
THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

*R.W. Z...*  
Approved *R.W. Z...* Date 7-31-86

Reviewed for HOWARD S.C.D. Name  
and met technical requirements *R.W. Z...* Date 7-31-86  
Signature *R.W. Z...* Date  
U.S. Soil Conservation Service

**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 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.

*Douglas McCauley*  
Signature of Developer/Builder  
DOUGLAS MCCAULEY  
Date 2-28-86



APPROVED  
PLANNING B  
HOWARD COUNTY  
4-16-86  
*[Signature]*

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT  
COUNTY HEALTH OFFICER *[Signature]* DATE 8-8-86  
APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING  
PLANNING DIRECTOR *[Signature]* DATE 8-11-86  
CHIEF DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION  
APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE  
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
DIRECTOR *[Signature]* DATE 8-5-86  
OFFICE OF ENGINEERING *[Signature]* DATE

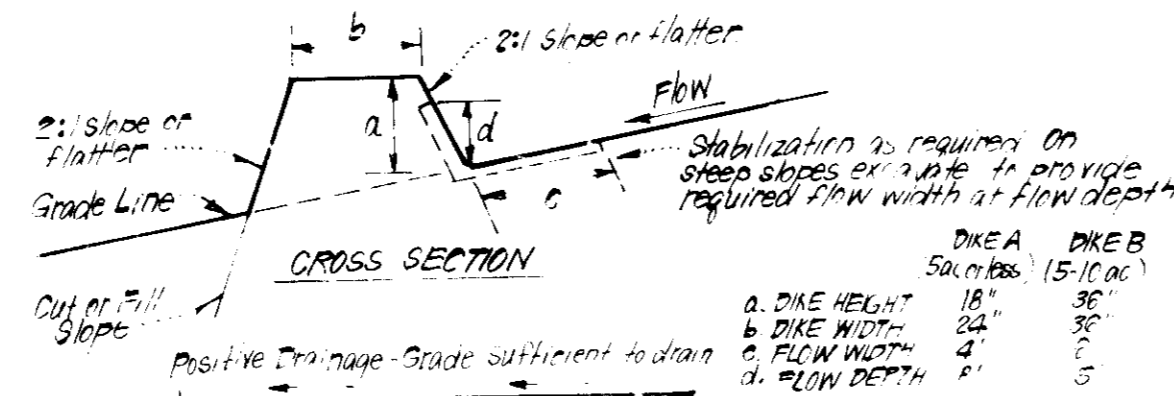
SUBDIVISION NAME	COLUMBIA	SECT./AREA	3/6	LOTS	H-1 THRU H-105				
VILLAGE OF HICKORY RIDGE									
PLAN #	683446835	BLOCK #	10	TAX ZONE MAP	35	ELEV. DAT.	5TH	GEN. PLAN	6053.01
WATER CODE	E-27	SEWER CODE	6650000 & 6660000						

**CLARK · FINEFROCK & SACKETT**  
ENGINEERS · PLANNERS · SURVEYORS  
1131 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593-3400

DESIGNED	GLB	SEDIMENT & EROSION CONTROL PLAN LOTS H-1 THRU H-105	SCALE	1"=30'
DRAWN	KIW		DRAWING	40F 7
CHECKED	GLB	COLUMBIA VILLAGE OF HICKORY RIDGE SECTION 3 AREA 6 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND FOR THE TROUTMAN COMPANY Wide Lake Village Green #500 Columbia, Md. 21044	JOB NO.	85-17
DATE	2-25-86		FILE NO.	85-17 S

SDP-86-181c





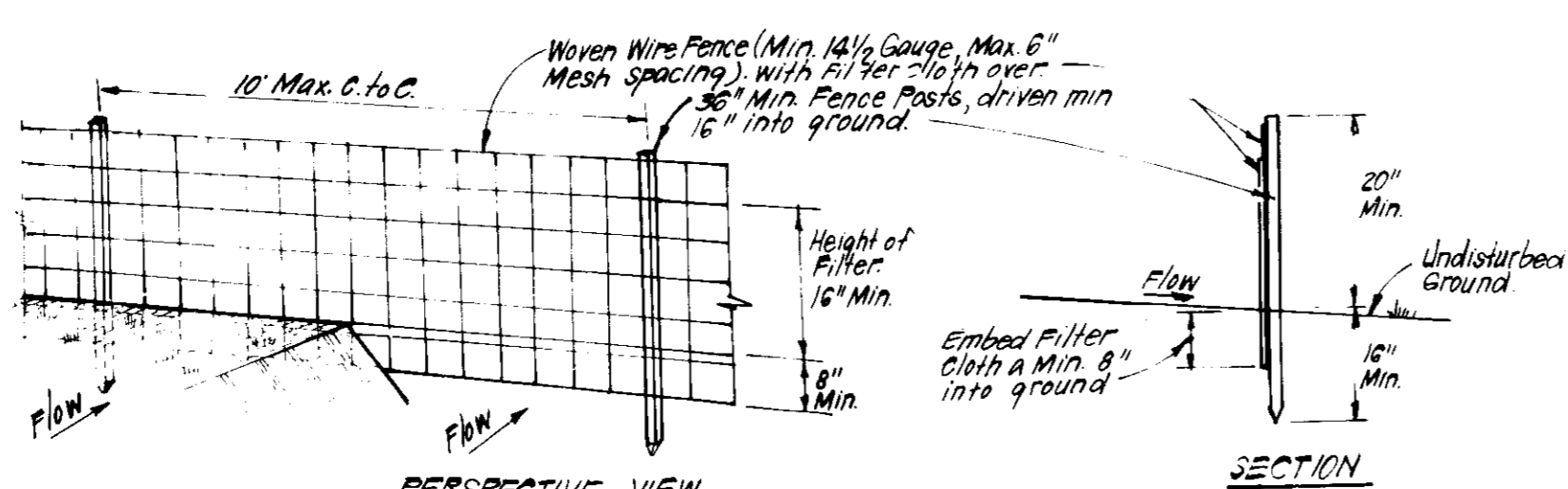
- CONSTRUCTION SPECIFICATIONS:**
- All dikes shall be constructed by earth-moving equipment.
  - All dikes shall have positive drainage to an outlet.
  - Top width may be wider and side slopes may be flatter if desired, to facilitate crossing by construction traffic.
  - Field location should be adjusted as needed to utilize a stabilized safe outlet.
  - Earth dikes shall have an outlet that functions with minimum disturbance to the stream where either the dike channel or the drainage area above the dike are not adequately stabilized.
  - Stabilization shall be: 'A' In accordance with standard specifications for seed and straw mulch or straw mulch. 'B' Flow channel as per chart below.

**FLOW CHANNEL STABILIZATION**

TREATMENT	DIKE A	DIKE B
1	0.5-3.0% Seed & Straw Mulch	Seed or Straw Mulch
2	3.1-5.0% Seed & Straw Mulch	Seed or Straw Mulch
3	5.1-8.0% Seed or Straw Mulch	Seed or Straw Mulch
4	8.1-10.0% Seed or Straw Mulch	Seed or Straw Mulch
5	20.0% Lined Rip Rap 4-8" Stone	Engineering Design

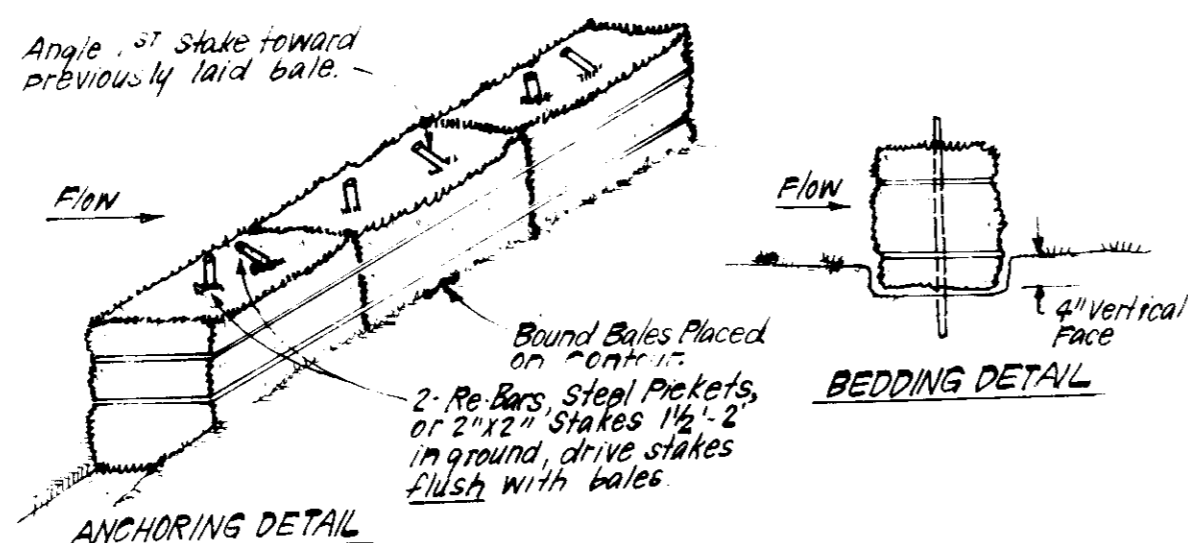
A. Stone to be 2" Stone, or recycled concrete equivalent, in a layer at least 3" thick and be pressed into soil with construction equipment.  
 B. Rip Rap to be 4" in a layer at least 4" thick, crushed to soil.  
 C. Approved equivalents can be substituted for any of the above materials.

**EARTH DIKE DETAIL (E.D.)**



- CONSTRUCTION SPECIFICATIONS:**
- Woven wire fence to be fastened securely to fence posts with wire ties or staples.
  - Filter cloth to be fastened securely to woven wire fence with ties spaced every 24" at top and mid section.
  - When 2 sections of filter cloth adjoin each other they shall be overlapped by 6" and folded.
  - 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 1, Miraflo 100A, Stabilinka, T140N or Approved Equivalent  
 PREFABRICATED UNIT: Geo-Fab, Envirofence or Approved Equivalent

**SILT FENCE DETAIL (S)**



- CONSTRUCTION SPECIFICATIONS:**
- Bales shall be placed at the top of a slope or on the contour and in a row with ends tightly abutting the adjacent bales.
  - Each bale shall be embedded in the soil a min. of 4" and placed so the bindings are horizontal.
  - Bales shall be securely anchored in place by either 2 stakes or rebar driven thru the bale. The 1st stake in each bale shall be driven toward the previously laid bale at an angle in force the bales together. Stakes shall be driven flush with the bale.
  - Inspection shall be frequent and repair/replacement shall be made promptly as needed.
  - Bales shall be removed when they have served their usefulness so as not to block or impede storm flow or drainage.

**STRAW BALE DIKE DETAIL (SBD)**

**PERMANENT SEEDING NOTES**

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

**Soil Preparation:** Loosen upper three inches of soil by raking, disking or other acceptable means before seeding.

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

- 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 time of seeding, apply 400 lbs per acre 10-0-0 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 50 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 (0.05 lbs/1000 sq ft) of weeping lovegrass. During the period of October 15 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.

**Inspection -** Inspect all seeded areas and make needed repairs, replacements and reseedings.

**TEMPORARY SEEDING NOTES**

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

**Soil Preparation:** Loosen upper three inches of soil by raking, disking or other acceptable means before seeding.

**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 1 thru November 15, seed with 25 bushels per acre of annual rye (3.2 lbs/1000 sq ft). For the period May 1 thru August 15, 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.

**CONSTRUCTION SEQUENCE**

PHASE	# DAYS
1. Obtain Grading Permit	2
2. Relocate E.D. on Lots H-49 thru H-57 as shown and direct flow to existing traps.	1/2
3. Clear & grub, Rough Grade & Temp. Stabilize.	15
4. Construct structures, Sidewalks & Driveways. Delay construction on Lots H-43 thru H-48.	160
5. Fine grade & stabilize in accordance with stds & specs.	5

**NOTE:** Phase I construction not to begin until all Sediment & Erosion Control Measures shown on Plan F-86-103 are in place.

**PHASE II**

1. Install Phase II sediment & Erosion control measures.	2
2. Clear & Rough Grade Lots H-43 thru H-48 & Temporarily stabilize.	5
3. Construct structures & Sidewalks.	40
4. Fine grade & stabilize in accordance with stds & specs.	5
5. Upon Approval of Sediment Control Inspector, remove Phase II Controls and Stabilize.	2

**NOTE:** Phase II construction not to begin until all Sediment Control Measures shown on Plan F-86-103 are removed.

**SEDIMENT CONTROL NOTES**

- A minimum of 24 hours notice must be given to the Howard County District Engineer and Permits prior to the start of any construction. (892-2437)
- All sediment 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.
- Following initial soil disturbance or redistribution, permanent or temporary stabilization shall be completed within a 2 calendar days for all perimeter sediment control structures, dikes, perimeter slopes and all slopes greater than 3:1, 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 1981 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for permanent seedings (Sec. 31) and (Sec. 54), temporary seeding (Sec. 50) and mulching (Sec. 52). Temporary stabilization with mulch alone can only be done when recommended seeding rates 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	11.3 Acres
Area to be graded or paved	6.281 Acres
Area to be vegetatively stabilized	4.22 Acres
Total Cut	9075 Cu. yds
Total Fill	12,525 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 DW 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, Stakes for Sediment Control as shown below shall be implemented. N/A
- 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 255 L.F.

**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.

*G. Nelson Clark*  
 G. Nelson Clark  
 6 Nelson Clark  
 2-28-86  
 Date

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

We certify that all development and construction will be done according to this plan of Erosion and Sediment Control and that all erosion and sediment control measures shown on this plan will be installed and maintained in accordance with the requirements of the Howard Soil Conservation District or their authorized agents, as are deemed necessary.

*Douglas McCauley*  
 Douglas McCauley  
 2-28-86  
 Date

Reviewed for Howard S.C.D.  
 Name  
 and meets Technical requirements  
*Thomas M. Seib* 7-31-86  
 Signature Date  
 U.S. Soil Conservation Service

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

*R. M. Cullen*  
 Approved *R. M. Cullen* 7-31-86  
 Date

APPROVED PLANNING BOARD OF HOWARD COUNTY

DATE 4-16-86

*[Signature]*

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

*Joyann Ben* 5-8-86  
 DATE

APPROVED FOR HOWARD COUNTY OFFICE OF PLANNING & ZONING

*John W. Mueselmann* 8-11-86  
 DATE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

*[Signature]* 8-2-86  
 DATE

*[Signature]* 8-2-86  
 DATE

**CLARK · FINEFROCK & SACKETT**  
 ENGINEERS · PLANNERS · SURVEYORS

1111 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20914

DESIGNED **GLB** **SEDIMENT EROSION CONTROL PLAN**  
 LOTS - H-43 thru H-57

DRAWN **GLB**

CHECKED **GLB**

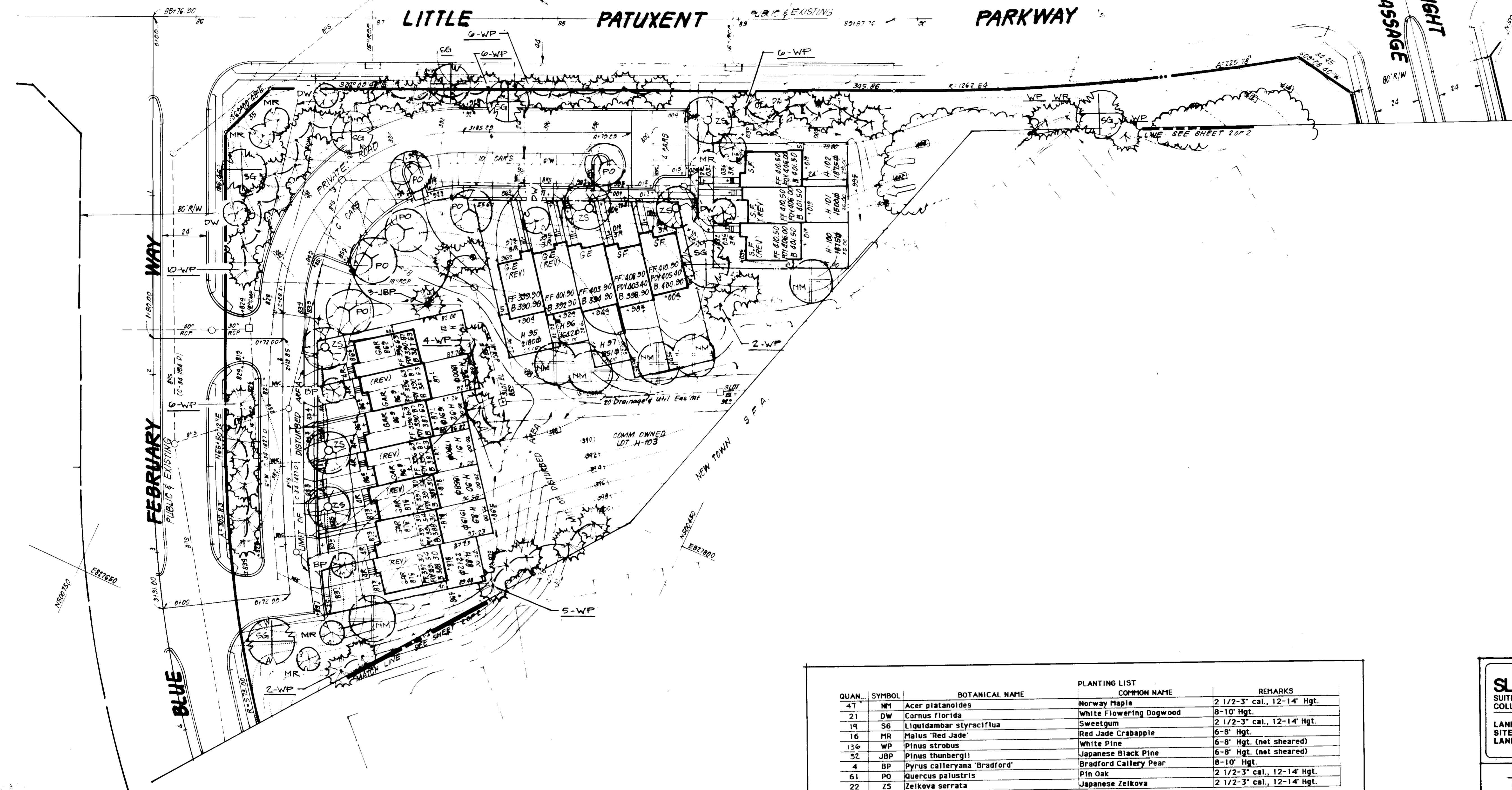
DATE 2-25-86

**COLUMBIA**  
 VILLAGE OF HICKORY RIDGE  
 SECTION 3 AREA 6  
 5TH ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND

DATE 2-25-86

SDP-86-181c

VICINITY MAP  
SCALE 1" = 200'



QUAN.	SYMBOL	BOTANICAL NAME	PLANTING LIST COMMON NAME	REMARKS
47	MT	Acer platanoides	Norway Maple	2 1/2-3" cal., 12-14' Hgt.
21	DW	Cornus florida	White Flowering Dogwood	8-10' Hgt.
19	SG	Liquidambar styraciflua	Sweetgum	2 1/2-3" cal., 12-14' Hgt.
16	HR	Malus 'Red Jade'	Red Jade Crabapple	6-8' Hgt.
136	WP	Pinus strobus	White Pine	6-8' Hgt. (not sheared)
52	JBP	Pinus thunbergii	Japanese Black Pine	6-8' Hgt. (not sheared)
4	BP	Pyrus calleryana 'Bradford'	Bradford Callery Pear	8-10' Hgt.
61	PO	Quercus palustris	Pin Oak	2 1/2-3" cal., 12-14' Hgt.
22	ZS	Zelkova serrata	Japanese Zelkova	2 1/2-3" cal., 12-14' Hgt.

**SLATER ASSOCIATES**  
SUITE 205 WILDE LAKE VILLAGE GREEN  
COLUMBIA, MARYLAND 21044  
LAND PLANNING  
SITE PLANNING  
LANDSCAPE ARCHITECTURE 982-0001

**TREE PLANTING PLAN**

SUBDIVISION NAME	COLUMBIA	SECT / AREA	3 / 6	LOTS	H-1 THRU H-105
PLAT #		BLOCK #		ZONE	N.T.
				TAX / ZONE MAP	35
				ELED DIST	5TH
				CENSUS TR	
WATER CODE				SEWER CODE	

APPROVED  
DATE 4-16-86  
[Signature]

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,  
HOWARD COUNTY HEALTH DEPARTMENT  
[Signature] DATE 8-8-86  
COUNTY HEALTH OFFICER

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING  
[Signature] DATE 8-1-86  
PLANNING DIRECTOR  
CHIEF DIVISION OF LAND DEVELOPMENT  
AND ZONING ADMINISTRATION

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

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

DESIGNED DBA  
DRAWN DBA  
CHECKED  
DATE 2-23-84

SCALE 1" = 30'  
DRAWING 6 OF 7  
JOB NO. 85-017  
FILE NO. 85-017

LOTS H-1 THRU H-105  
**COLUMBIA**  
VILLAGE OF HICKORY RIDGE  
SECTION 3 AREA 6  
5TH ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND  
FOR THE TROUTMAN COMPANY  
Wilde Lake Village Green #300  
Columbia, Md. 21044

SDP-86-181c



SYMBOL	BOTANICAL NAME	PLANTING LIST #	COMMON NAME
NM	Acer platanoides		Norway Maple
DW	Cornus florida		White Flowering Dogwood
SG	Liquidambar styraciflua		Sweetgum
MR	Hales 'Red Jade'		Red Jade Crabapple
WP	Pinus strobus		White Pine
JBP	Pinus thunbergii		Japanese Black Pine
BP	Pyrus calleryana 'Bradford'		Bradford Callery Pear
PO	Quercus palustris		Pin Oak
ZS	Zeikova serrata		Japanese Zeikova

SEE PLANTING LIST SHEET FOR PLANT QUANTITIES



APPROVED FOR WATER AND PUBLIC SEWERAGE SYSTEMS  
 HOWARD COUNTY HEALTH DEPARTMENT  
 DATE: 8-11-86

APPROVED FOR PLANNING & ZONING  
 HOWARD COUNTY OFFICE OF PLANNING & ZONING  
 DATE: 8-11-86

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE  
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 DATE: 8-11-86

CHIEF BUREAU OF ENGINEERING  
 DATE: 8-11-86

**SLATER ASSOCIATES**  
 SUITE 205 WILDE LAKE VILLAGE GREEN  
 COLUMBIA, MARYLAND 21044

LAND PLANNING  
 SITE PLANNING  
 LANDSCAPE ARCHITECTURE 592-0001

**TREE PLANTING PLAN**  
 SEE DRAWING 100-C FOR LOT LAYOUT

SUBDIVISION NAME: VILLAGE OF HICKORY RIDGE  
 PLAT # 100-C  
 BLOCK # 201E  
 TAX ZONE: 100-C  
 WATER CODE: 100-C

**CFE** CLARK · FINEFROCK & SACKETT  
 ENGINEERS · PLANNERS · SURVEYORS  
 1131F LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904

DESIGNED: UFA  
 DRAWN: TPLA  
 CHECKED: [ ]  
 DATE: 2-23-86

LOTS 4-1 THRU 4-105  
**COLUMBIA**  
 VILLAGE OF HICKORY RIDGE  
 SECTION 3 AREA  
 5TH ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND  
 FOR THE TROUTMAN COMPANY  
 Wilde Lake Village Green #300  
 Columbia, Md. 21044

SCALE: 1" = 20'  
 DRAWN: 7/86  
 JOB NO: 85-1  
 FILE NO: 85-1

SDP-86-181c