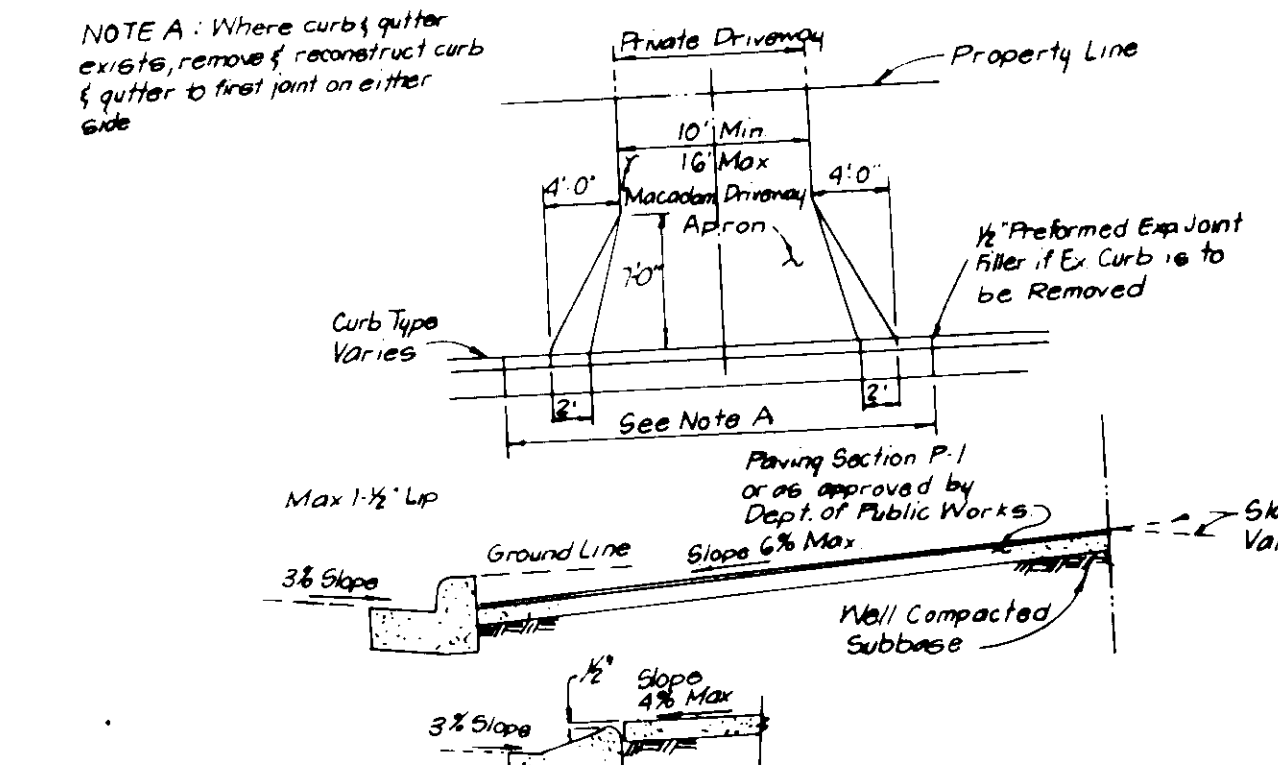
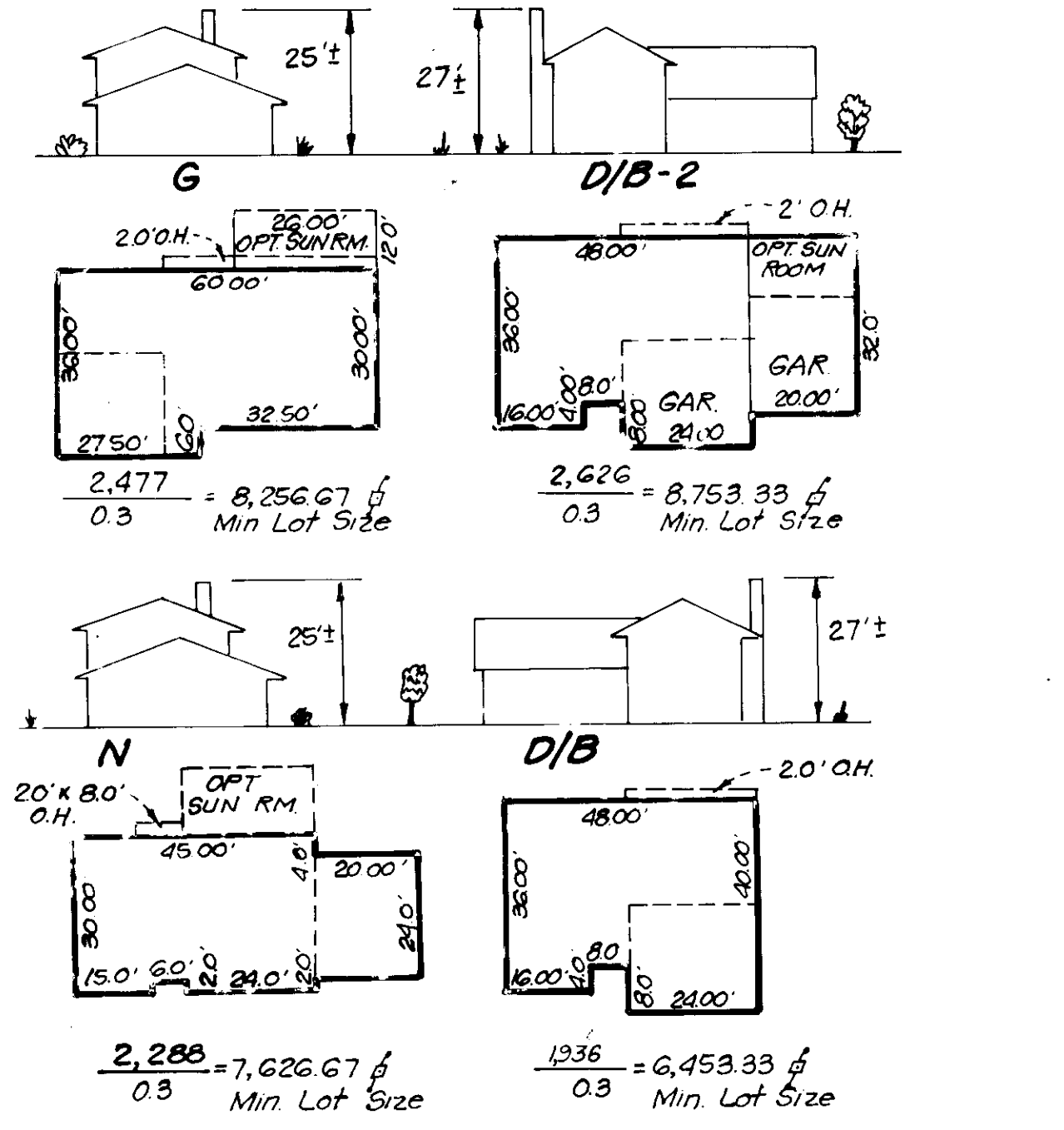


**DRIVEWAY ABUTTING CLOSED SECTION WITH STD 1\"/>**

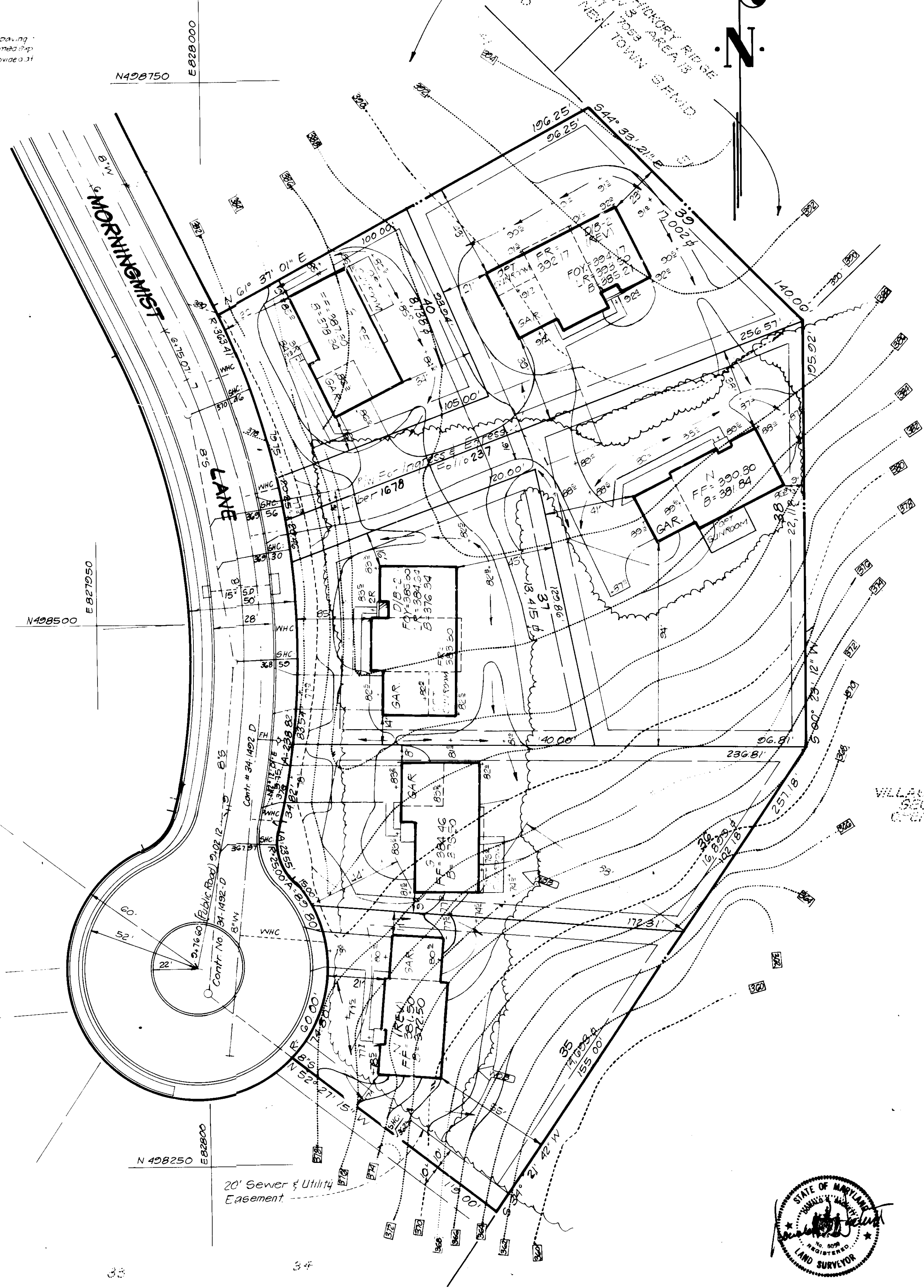


**DRIVEWAY ABUTTING CLOSED SECTION WITHOUT CONCRETE SIDEWALK**

**TYPICAL HOUSES**  
Scale: 1" = 30'  
(Note: All units have 1" roof eaves front and rear.)



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



**GENERAL NOTES:**

- The land included is zoned New Town SFMD #8FLD
- Coordinates established by Maps, Inc. in 1965 and Rardum and Jeschke in 1968, which controls were tied to the MD Bureau of Control Surveys monuments and to US 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: 6.0738 Acres
- Total Number of Lots: 20
- SWM for this site provided in central facility located in
- Reference Final Development Plan Phase 1B, Part II
- Maximum Lot Coverage is 30% Per Lot
- The contractor or developer shall contact the Construction Inspection/Survey Division, 24 hours in advance of commencement of work at 932-2417 or 932-2418.

**LEGEND:**

- Contour Interval 2 ft
- Existing Contour 410
- Proposed Contour 410
- Spot Elevation +10.5
- Direction of Drainage
- Existing Trees to be Gaved
- Walk-Out Basement

**BUILDING RESTRICTION LINES**

- 60' R/W 30' Setback-Front
  - 50' R/W 20' Setback-Front
  - 7 1/2' Setback Rear & Side
- NOTE:**
- Lots 39, 40 and 54-67 are zoned New Town - SFMD
  - Lots 35-38 are zoned New Town SFLD

**SPECIAL NOTES**

- Approved Road Construction Plans shall be used for all Public Utilities.
- The Water & Sewer house connections not included in a Developers Agreement shall conform to Howard County Plumbing Code. The on-site WWC shall be 1" copper and the S/WC shall be 4" iron.
- Stormwater management provided for in The Village of Hickory Ridge, Section 3 Area 1, F-83-120
- Public Water and Sewer shown for reference only. For more detailed information - see water and sewer plans Contract No 34-1492-D.

LOT No.	STREET	ADDRESS
35	11745	Morningmist Lane
36	11745	"
37	11741	"
38	11737	"
39	11733	"
40	11729	"

SUBDIVISION NAME: COLUMBIA	SECT./AREA: LOTS 35-40
VILLAGE OF HICKORY RIDGE 3/13	& 54-67
FLAT # 7053	BLOCK # 10
	ZONE MAP/ELECTION DIST. CENSUS TR. 35 5TH 6053.01
WATER CODE E 27	SEWER CODE 6501000 / 6640000

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

DATE: 8-8-87

**APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING**

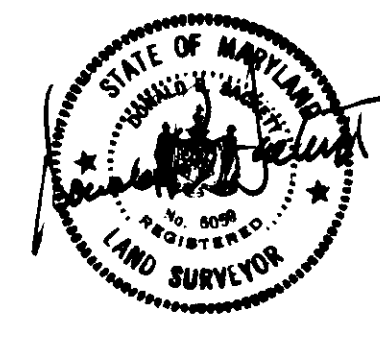
DATE: 8-5-87

**APPROVED: DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION, HOWARD COUNTY, MARYLAND**

DATE: 7-17-87

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

DATE: 7-31-87



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

13135 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593-3400

DESIGNED: JME, CMS  
DRAWN: VHL, BAL  
CHECKED: CMS  
DATE: APRIL, 1987

**SITE DEVELOPMENT PLAN**  
LOTS 35 THRU 40 AND 54 THRU 67  
**COLUMBIA**  
VILLAGE OF HICKORY RIDGE  
SECTION 3 AREA 13  
5TH ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND

FOR COLUMBIA BUILDERS, INC.  
3 Lakelant North Bldg. - Suite #200  
Columbia, MD 21044

SCALE: 1" = 30'  
DRAWING: 1 of 4  
JOB NO: 86-143  
FILE NO: 86-143 X

S.D.P. 87-216 C



VILLAGE OF HICKORY RIDGE  
SECTION 3 AREA 13  
OPEN SPACE LOT 148  
PLAT 7055  
ZONED NEW TOWN SFRM

NOTE:  
The D/B-2 Model sited on  
Lot 57 provides sewer  
service only to the  
family room level  
(FR = 379.30)

THE HOWARD RESEARCH  
AND DEVELOPMENT LAND COMPANY  
L 1535 F 193  
ZONED NEW TOWN

VILLAGE OF HICKORY RIDGE  
SECTION 3 AREA 13  
OPEN SPACE LOT 148  
PLAT 7051

Open Space  
Lot 148

Existing 100 Year Flood Plain, Drainage,  
Sewer, Water, Utility & Stormwater Management  
Access Easement

ADDRESS CHART	
LOT NO.	STREET ADDRESS
54	11800 BRIGHT PASSAGE
55	11804 BRIGHT PASSAGE
56	11808 " " " "
57	11812 " " " "
58	11816 " " " "
59	11820 " " " "
60	11802 GASLIGHT PLACE
61	11806 " " " "
62	11810 " " " "
63	11814 " " " "
64	11809 " " " "
65	11805 " " " "
66	11801 " " " "
67	11815 " " " "

THE HOWARD RESEARCH AND DEVELOPMENT LAND  
COMPANY L 1535 F 193  
ZONED NEW TOWN

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS.  
HOWARD COUNTY HEALTH DEPARTMENT  
COUNTY HEALTH OFFICER *[Signature]* DATE 8-3-87  
APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING  
PLANNING DIRECTOR *[Signature]* DATE 8-5-87  
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 7-31-87  
CHIEF BUREAU OF ENGINEERING *[Signature]* DATE

APPROVED  
DIVISION OF LAND DEVELOPMENT &  
ZONING ADMINISTRATION  
HOWARD COUNTY, MARYLAND  
DATE 7-17-87

NO.	REVISIONS	DATE
1	ADD C.A.F. & REV. GRADE TO PLAN WILL SEWER BY GRAVITY	7-17-87

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

DESIGNED JME/CMS  
DRAWN VHL/BAL  
CHECKED CMS  
DATE APRIL, 1987

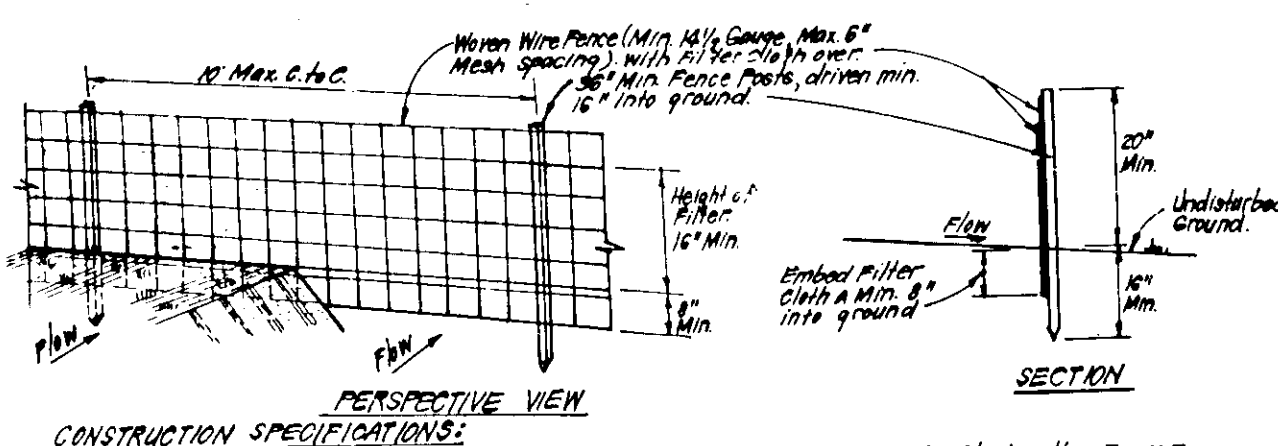
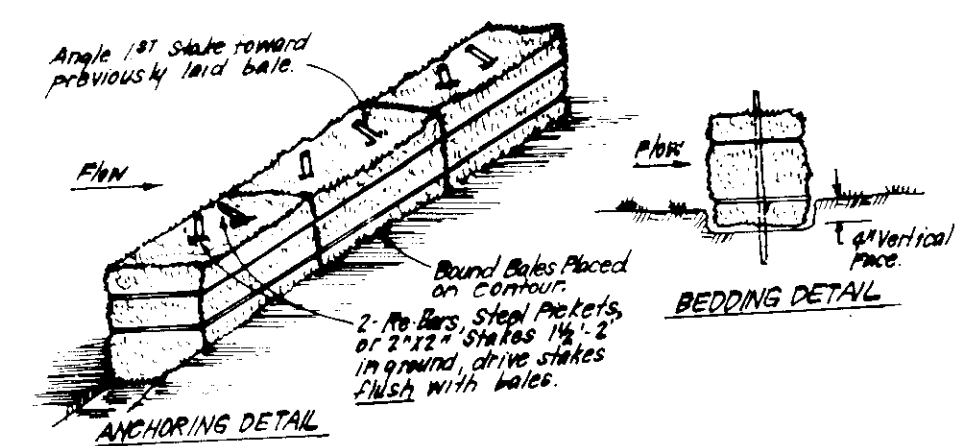
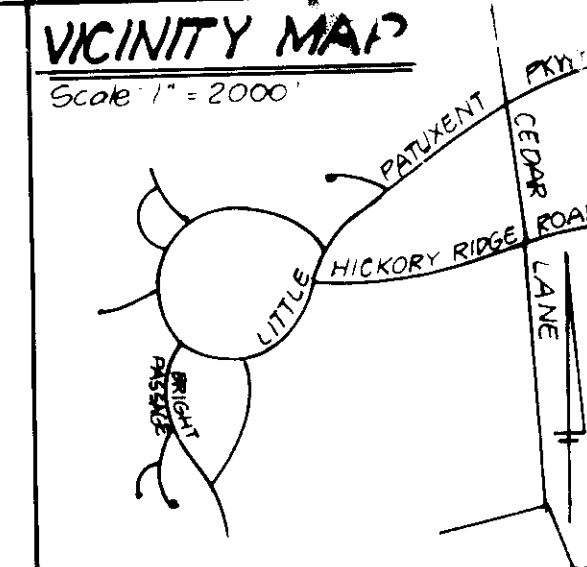
SITE DEVELOPMENT PLAN  
LOTS 35 THRU 40 AND 54 THRU 67  
**COLUMBIA**  
VILLAGE OF HICKORY RIDGE  
SECTION 3 AREA 13  
5TH ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND

FOR COLUMBIA BUILDERS, INC.  
3 Lakelmont North Building #200  
Columbia, MD 21044

SCALE 1"=30'  
DRAWING 2 of 4  
JOB NO. 86-143  
FILE NO. 86-143







**CONSTRUCTION SPECIFICATIONS:**  
 1. Bales shall be placed on a slope or on the contour and in a row with ends facing the same direction.  
 2. Each bale shall be secured in the soil a minimum of 4" and placed so the bindings are horizontal.  
 3. Bales shall be secured in the soil a minimum of 2" and placed so the bindings are horizontal.  
 4. The 18" straw bales shall be driven toward the proposed laid bale at an angle to force the bales together. Stakes shall be driven through the bales at an angle to force the bales together. Stakes shall be driven through the bales at an angle to force the bales together. Stakes shall be driven through the bales at an angle to force the bales together.  
 5. Bales shall be replaced when they have served their usefulness as no net or impact storm flow or drainage.

**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 1/8" diameter every 36" at top and mid sections.  
 3. When 2 sections of filter cloth join each other they shall be overlapped by 6" and stapled.  
 4. Maintenance shall be performed as needed and material removed when "Puffs" develop in silt fence.  
 POSTS: Steel, either 1/2" Type or 1/2" Hardwood  
 FENCE: Woven Wire, 1/4" Gauge  
 FILTER CLOTH: Filter Cloth, 1/2" Mesh  
 STAPLES: 1/4" or 3/8" Galvanized  
 PREFABRICATED UNITS: See Note  
 SURFACE: Gravel, or other equal

**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, discing or other acceptable means before seeding.  
**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 sq ft) and 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq ft) before seeding, apply 400 lbs narrow or disc into upper three inches of soil. At time of seeding, apply 400 lbs per acre 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. Narrow 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 1/2 to 2 tons per acre (70 to 90 lbs/1000 sq ft) of untreated 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**

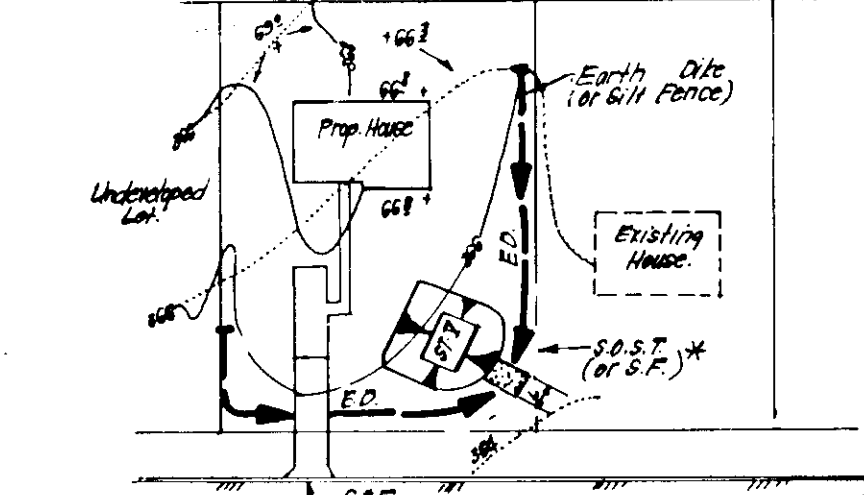
Apply to graded or cleared areas likely to be redisturbed where a short-term vegetative cover is needed.

**Soil 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 25 bushel per acre of annual ryegrass (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.

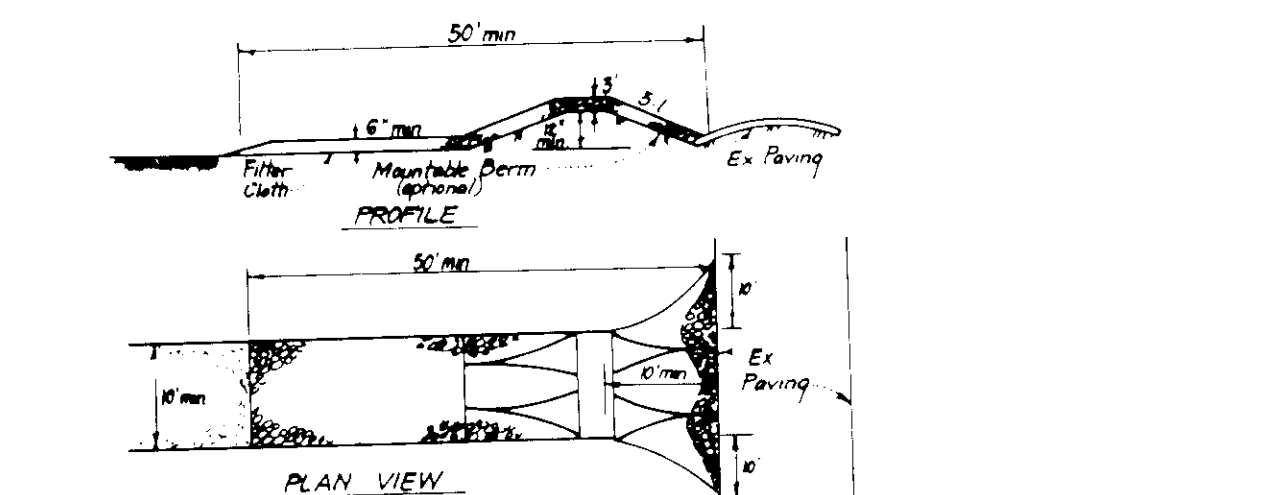
**Mulching:** Apply 1/2 to 2 tons per acre (70 to 90 lbs/1000 sq ft) of untreated small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gallons per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 348 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.



**SINGLE LOT SEDIMENT CONTROL PLAN**  
 NO SCALE  
 \* NOTE: Single lot detail can not be utilized if two lots sharing common property lines are to be disturbed at the same time or on any lots showing a sediment trap.

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



**CONSTRUCTION SPECIFICATIONS:**  
 1. Stone size - Use 2" stone or equivalent 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 at 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 directed toward construction entrances shall be passed across the entrance. If piping is impractical, a mountable berm with 5" steps will be permitted.  
 7. Maintenance - The entrance shall be maintained in a condition which will prevent tracking or blowing of sediment onto public rights of way. This may require periodic top dressing with additional stone or concrete. Sediment may require periodic top dressing with additional stone or concrete. Sediment may require periodic top dressing with additional stone or concrete. Sediment may require periodic top dressing with additional stone or concrete.  
 8. Weeping (seepage) shall be observed to remove sediment prior to entrance onto public rights of way. When weeping is observed, 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)**  
 NO SCALE

**CONSTRUCTION SEQUENCE**

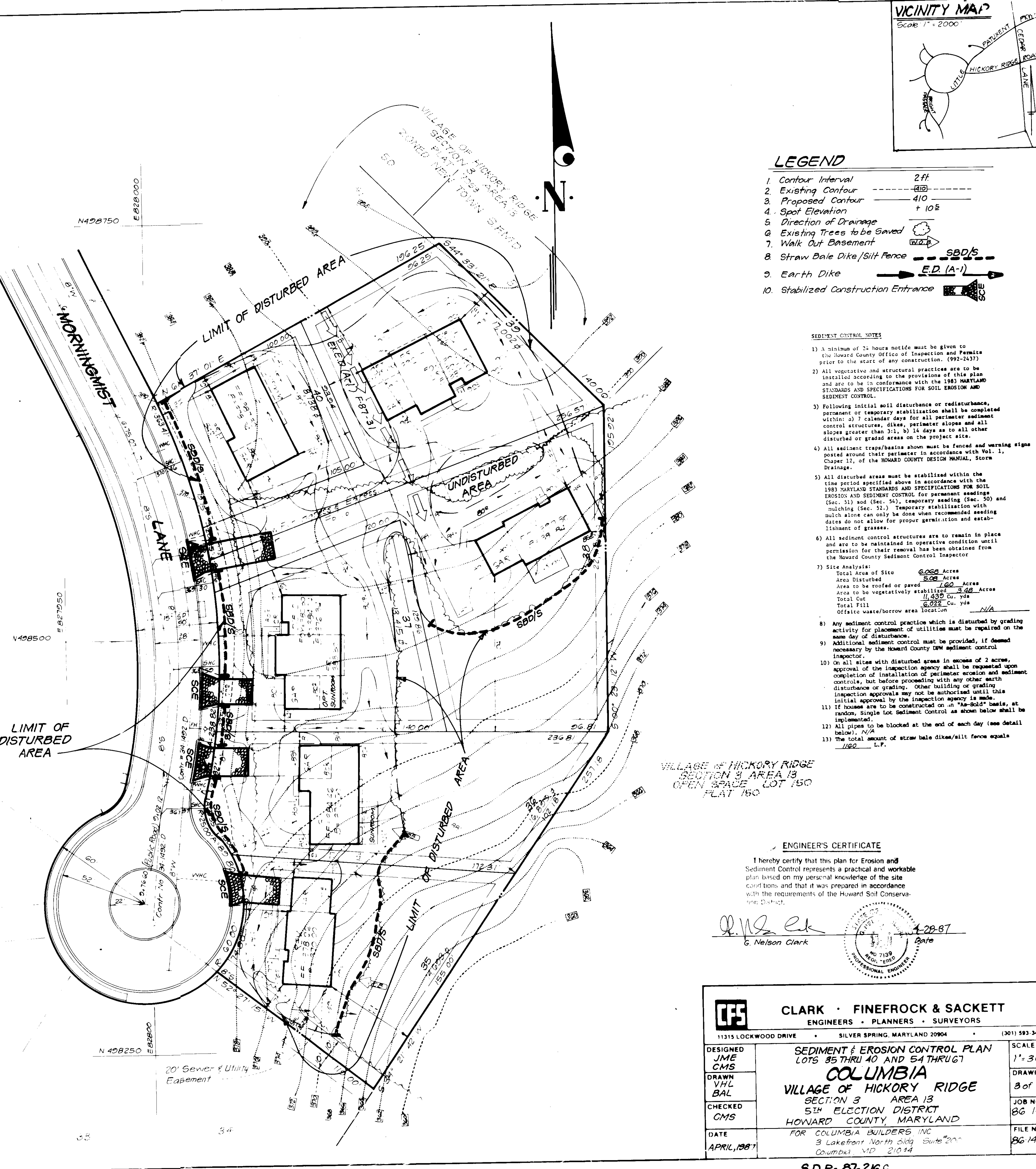
No. of Days	Description
14	1. Obtain grading permit & install sediment erosion controls. Remove existing culvert & install diversion dike between lots #2 and #4. Delay work on lot #5 & on lots #1 & #2 until drainage areas to traps #2 and #4 respectively are stabilized and traps are removed.
30	2. Excavate for foundations & rough grade & temporarily stabilize.
180	3. Construct structures, sidewalks & driveways.
30	4. Final grade and stabilize in accordance with standards & specifications.
14	5. Upon approval of the sediment control inspector, remove sediment & erosion controls & stabilize.

APPROVED  
 HOWARD  
 7-24-87  
 Approved Date

APPROVED  
 DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION  
 HOWARD COUNTY, MARYLAND  
 DATE 7-17-87

APPROVED  
 DIVISION OF PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 DATE 7-31-87

APPROVED  
 DIVISION OF ENGINEERING  
 DATE 7-31-87



- LEGEND**
- 1. Contour Interval 2ft
  - 2. Existing Contour
  - 3. Proposed Contour 410
  - 4. Spot Elevation +108
  - 5. Direction of Drainage
  - 6. Existing Trees to be Saved
  - 7. Walk Out Basement
  - 8. Straw Bale Dike/Silt Fence SBD/S
  - 9. Earth Dike E.D. (A-1)
  - 10. Stabilized Construction Entrance

- SEDIMENT CONTROL NOTES**
- 1) A minimum of 24 hours notice must be given to the Howard County Office of Inspection and Permit 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 permanent 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 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 matching (Sec. 51). Temporary seeding (Sec. 50) and mulch alone can only be done when recommended seedings 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 6.022 Acres  
 Area Disturbed 5.000 Acres  
 Area to be roofed or paved 1.600 Acres  
 Area to be vegetatively stabilized 3.880 Acres  
 Total Cut 11,490 Cu. Yds  
 Total Fill 6,022 Cu. Yds  
 Offsite water/borrow area location N/A
  - 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 DEW 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-Built" 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 force equals 1160 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  
 7-28-87  
 PROFESSIONAL ENGINEER

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT  
 DATE 8-3-87

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING  
 DATE 8-5-87

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 DATE 7-31-87

CHIEF BUREAU OF ENGINEERING

APPROVED  
 DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION  
 HOWARD COUNTY, MARYLAND  
 DATE 7-17-87

APPROVED  
 DIVISION OF PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 DATE 7-31-87

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

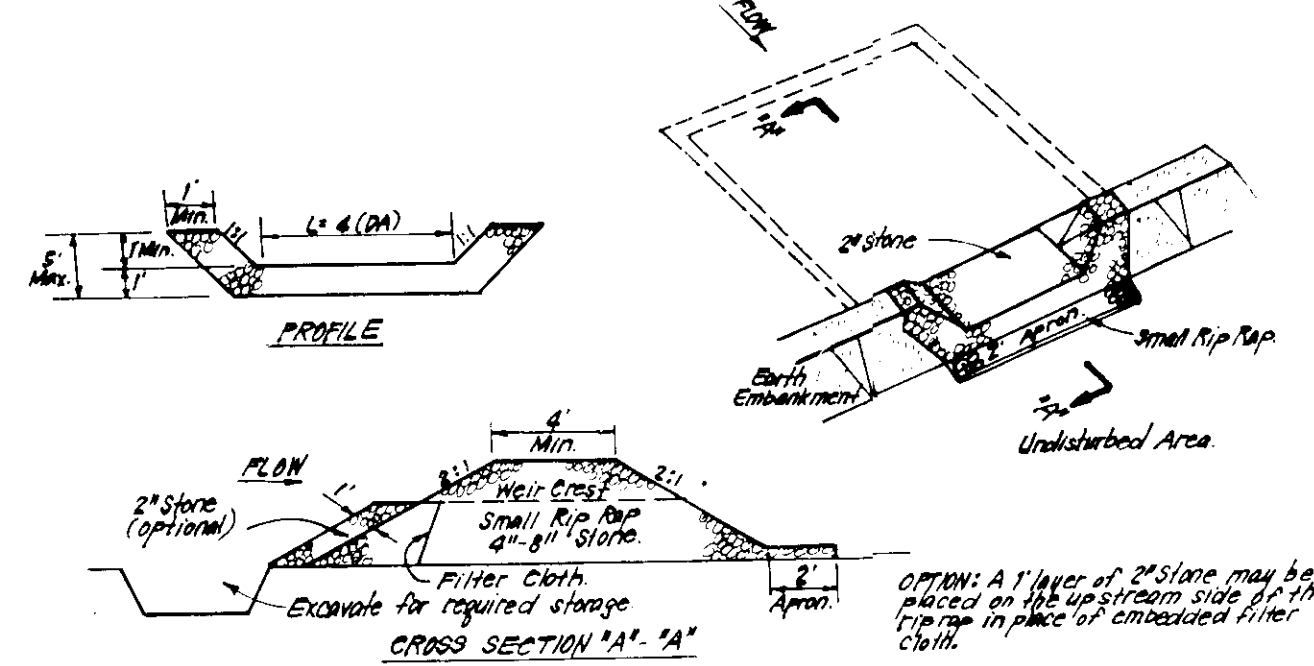
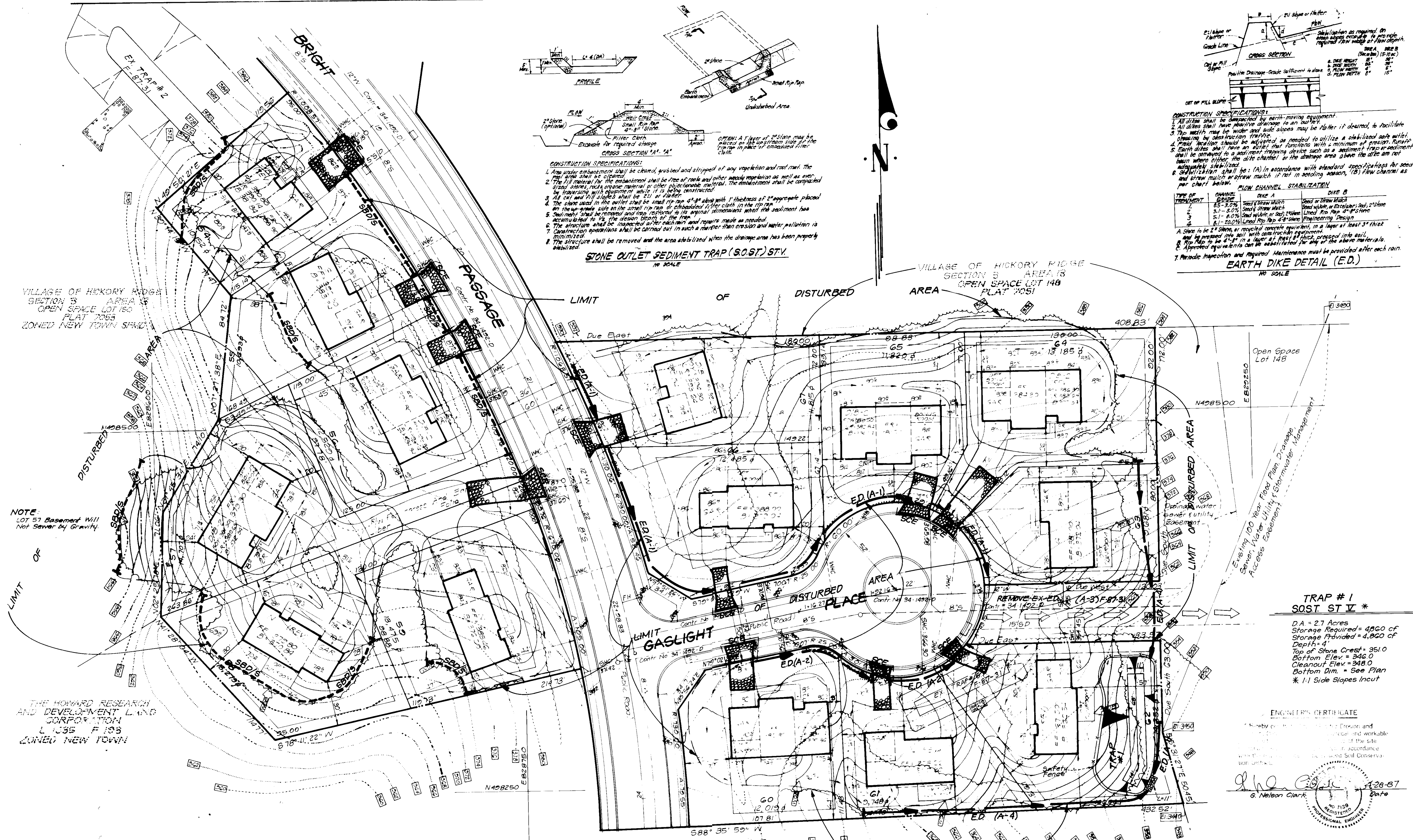
DESIGNED: JME, CMS  
 DRAWN: VHL, BAL  
 CHECKED: CMS  
 DATE: APRIL, 1987

SEDIMENT & EROSION CONTROL PLAN  
 LOTS 35 THRU 40 AND 54 THRU 7  
**COLUMBIA**  
 VILLAGE OF HICKORY RIDGE  
 SECTION 3 AREA 13  
 5TH ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND  
 FOR COLUMBIA BUILDERS, INC.  
 3 Lakeland North Blvd. Suite 201  
 Columbia, MD 21034

SCALE: 1" = 30'  
 DRAWING: 3 of 4  
 JOB NO: 86-143  
 FILE NO: 86-143-SE

SDP-87-216-C

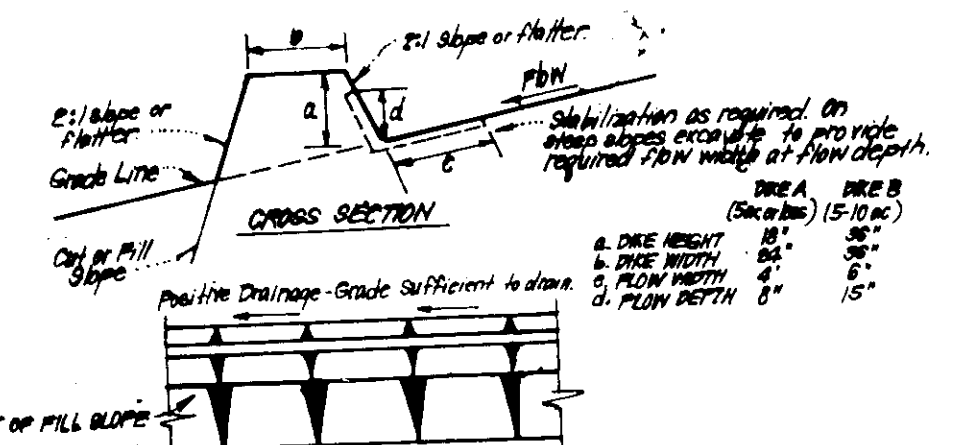




**CONSTRUCTION SPECIFICATIONS:**

1. Area under embankment shall be cleared, grubbed and stripped of any vegetation and root mat. The soil area shall be compacted.
2. The fill material for the embankment shall be free of rocks and other foreign material as well as ever, sized stones, rocks, organic material, or other objectionable material. The embankment shall be compacted by tamping with equipment while it is being constructed.
3. All cut and fill slopes shall be 2:1 or flatter.
4. The stone used in the outlet shall be small rip rap 4" to 6" in size with 1" thickness of 2" aggregate placed on the two-grade side on the small rip rap or crushed filter cloth in the rip rap.
5. Sediment shall be removed and trap restored to its original dimensions when the sediment has accumulated to the design depth of the trap.
6. The structure shall be inspected after each rain and repairs made as needed.
7. Construction operations shall be carried out in such a manner that erosion and water pollution is minimized.
8. The structure shall be removed and the area stabilized when the drainage area has been properly stabilized.

**STONE OUTLET SEDIMENT TRAP (SOST) ST.V.**  
1/4" SCALE



**CONSTRUCTION SPECIFICATIONS:**

1. All dikes shall be constructed by earth-moving equipment.
2. All dikes shall have positive drainage to an outlet.
3. The width may be wider and side slopes may be flatter if desired, to facilitate cleaning by construction traffic.
4. Final weather should be adjusted as needed to utilize a stabilized soil with a minimum of erosion.
5. Earth dikes shall have an outlet that functions with a minimum of trap or sediment. It shall be covered 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 or (B) in seeding season, (B) flow channel as per chart below.

TYPE OF TREATMENT	CHANNEL WIDTH	DIKE	DRAINAGE
1	15'-30"	Seed or Straw Mulch	Seed or Straw Mulch
2	3'-15'	Seed or Straw Mulch	Seed or Straw Mulch
3	5'-15'	Seed or Straw Mulch	Seed or Straw Mulch
4	6'-20'	Seed or Straw Mulch	Seed or Straw Mulch

**PLAIN CHANNEL STABILIZATION**

A dike to be 2' high, or recycled concrete equivalent, in a layer of at least 3" thick and be covered on top with construction equipment.

Rip rap to be 4" in a layer of 1' thick, pressed into soil.

Approved equipment can be used for any of the above materials.

7. Periodic inspection and required maintenance must be provided after each rain.

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

VILLAGE OF HICKORY RIDGE SECTION 3 AREA 13 OPEN SPACE LOT 148 PLAT 7055 ZONED NEW TOWN SP-10

VILLAGE OF HICKORY RIDGE SECTION 3 AREA 13 OPEN SPACE LOT 148 PLAT 7051

NOTE: LOT 57 Basement Will Not Sewer by Gravity

THE HOWARD RESEARCH AND DEVELOPMENT LAND CORPORATION L 1535 P 133 ZONED NEW TOWN

**TRAP # 1 SOST ST V \***

DA = 27 Acres  
Storage Required = 4800 CF  
Storage Provided = 4,800 CF  
Depth = 4'  
Top of Stone Crest = 351.0  
Bottom Elev = 348.0  
Cleanout Elev = 348.0  
Bottom Dim. = See Plan  
\* 1:1 Side Slopes Incut

**ENGINEER'S CERTIFICATE**

I hereby certify that the design, construction and maintenance of the erosion control and sediment control structures shown on this plan are in accordance with the requirements of the Maryland Soil Conservation Act.

*G. Nelson Clark*  
G. Nelson Clark  
Professional Engineer  
No. 1159  
RESIDENT

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

*James M. Boyd* 9-3-87  
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING

*John W. Murchman* 7-24-87  
PLANNING DIRECTOR DATE

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

*James J. R. [Signature]* 7-31-87  
DIRECTOR DATE

APPROVED  
DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION  
HOWARD COUNTY, MARYLAND  
DATE 7-17-87

HOWARD

*John W. Murchman* 7-24-87

Approved \_\_\_\_\_ Date \_\_\_\_\_

THE HOWARD RESEARCH AND DEVELOPMENT LAND CORPORATION L 1535 P 133 ZONED NEW TOWN

**ENGINEER'S CERTIFICATE**

I hereby certify that the design, construction and maintenance of the erosion control and sediment control structures shown on this plan are in accordance with the requirements of the Maryland Soil Conservation Act.

*James C. [Signature]* 4-28-87  
James C. [Signature]  
Professional Engineer  
No. 1159  
RESIDENT

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

11315 LOCKWOOD DRIVE • SILVER SPRING, MARYLAND 20904 • (301) 593-3400

DESIGNED: JME, CMS  
DRAWN: VHL, BAL  
CHECKED: CMS  
DATE: APRIL, 1987

**SEDIMENT & EROSION CONTROL PLAN**  
LOTS 35 THRU 40 AND 54 THRU 67  
**COLUMBIA**  
VILLAGE OF HICKORY RIDGE SECTION 3 AREA 13 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

FOR: COLUMBIA BUILDERS, INC. 3 Lakemont North Building #200 Columbia, MD 21044

SCALE: 1"=30'  
DRAWING: 4 of 4  
JOB NO: 86-143  
FILE NO: 86-143 SE

SDP-87-216 C