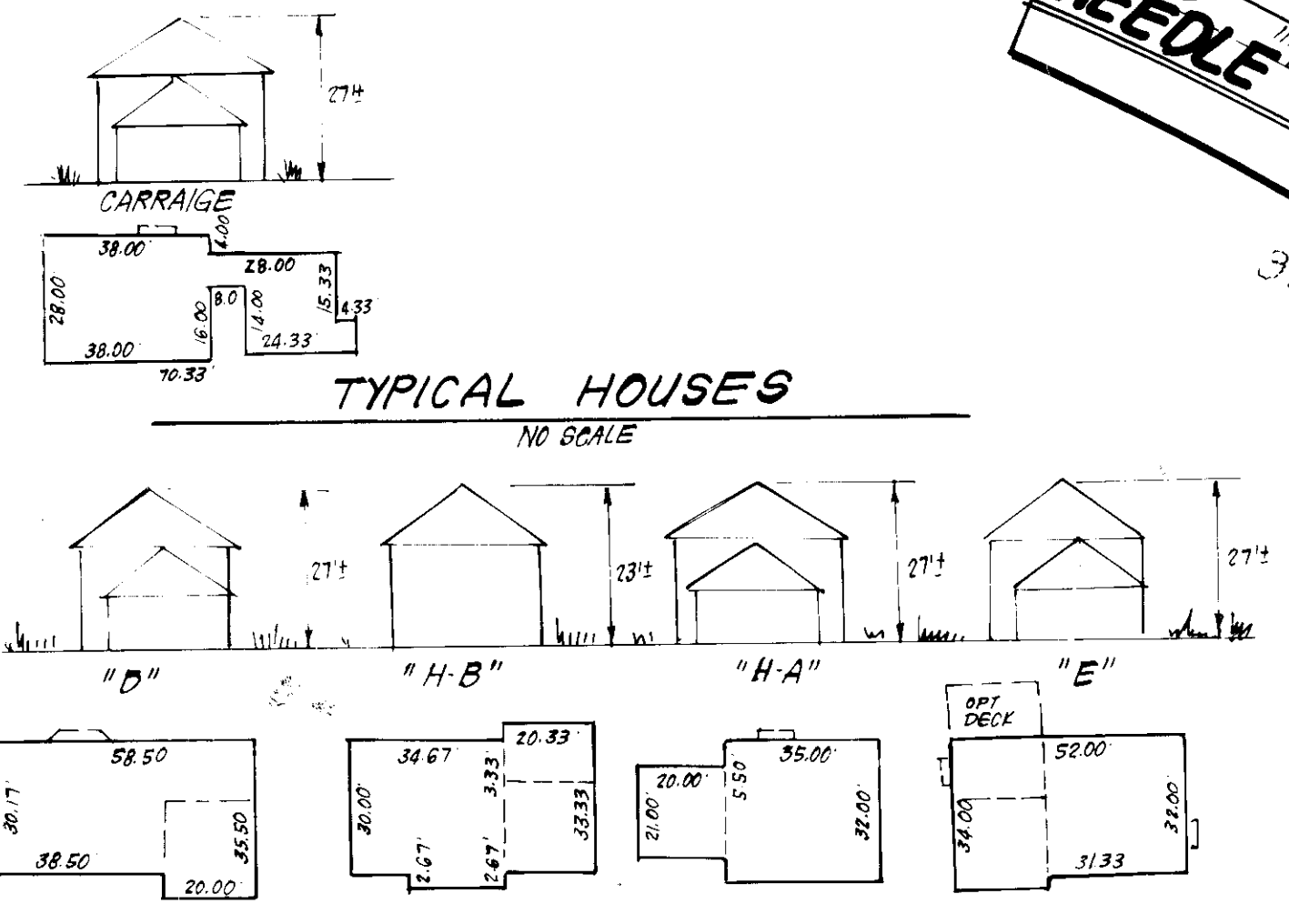
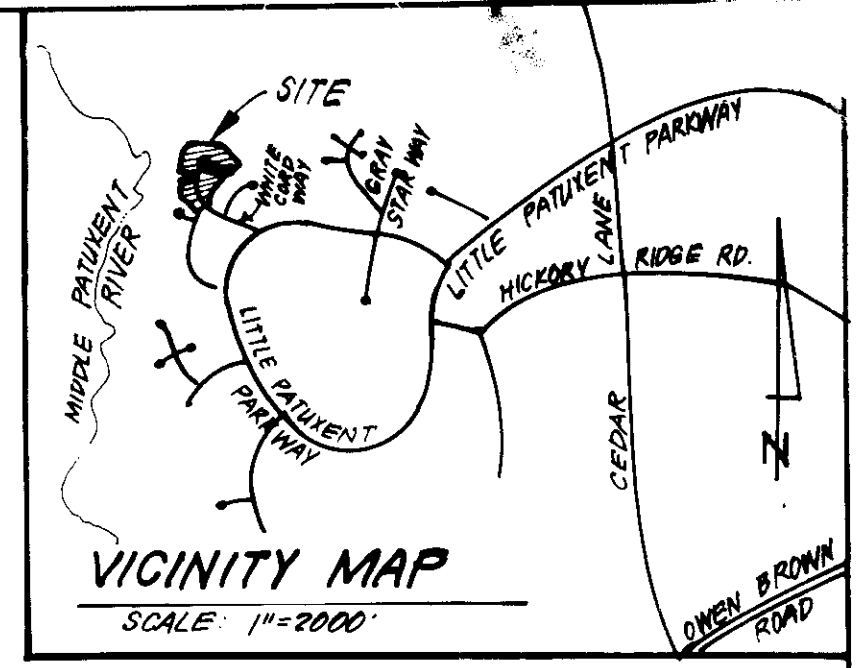


DRIVEWAY ABUTTING MOD COMB CURB & GUTTER *

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 Sht. 711 Comb. Curb & Gutter
Necessary on Lots at Cut-De-Sac.



- GENERAL NOTES:**
- The land included is zoned: New Town SFLD 48.F.M.D.
 - Coordinates are based upon traverse controls for Columbia established by Maps Inc. in 1965 and Purdum & Vesche 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: 3.6366 Acres
 - Total number of lots: 14
- LEGEND:**
- Contour Interval
 - Existing Contour
 - Proposed Contour
 - Spot Elevation
 - Direction of Drainage
 - Existing Trees to be Saved
 - Walk Out Basement

Lot No.	STREET	ADDRESS
39	11950	GOLD NEEDLE WAY
40	12035	WHITE CORD WAY
41	12039	" " " "
42	12043	" " " "
43	12047	" " " "
44	12051	" " " "
45	12050	" " " "
46	12046	" " " "
47	12042	" " " "
48	12038	" " " "
49	12034	" " " "
50	12030	" " " "
51	12026	" " " "
52	12022	" " " "

SUBDIVISION NAME	COLUMBIA	SECT / AREA	3 / 7	LOTS	39-52
PLAT #	6238 & 6239	BLOCK #	4	WAX / ZONE MAP	5711
WATER CODE	I-15	SEWER CODE	6731300		

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS.
HOWARD COUNTY HEALTH DEPARTMENT
[Signature] 10-24-81
DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
[Signature] 10-24-85
DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE.
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
[Signature] 9-24-85
DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS.
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
[Signature] 10-24-85
DATE

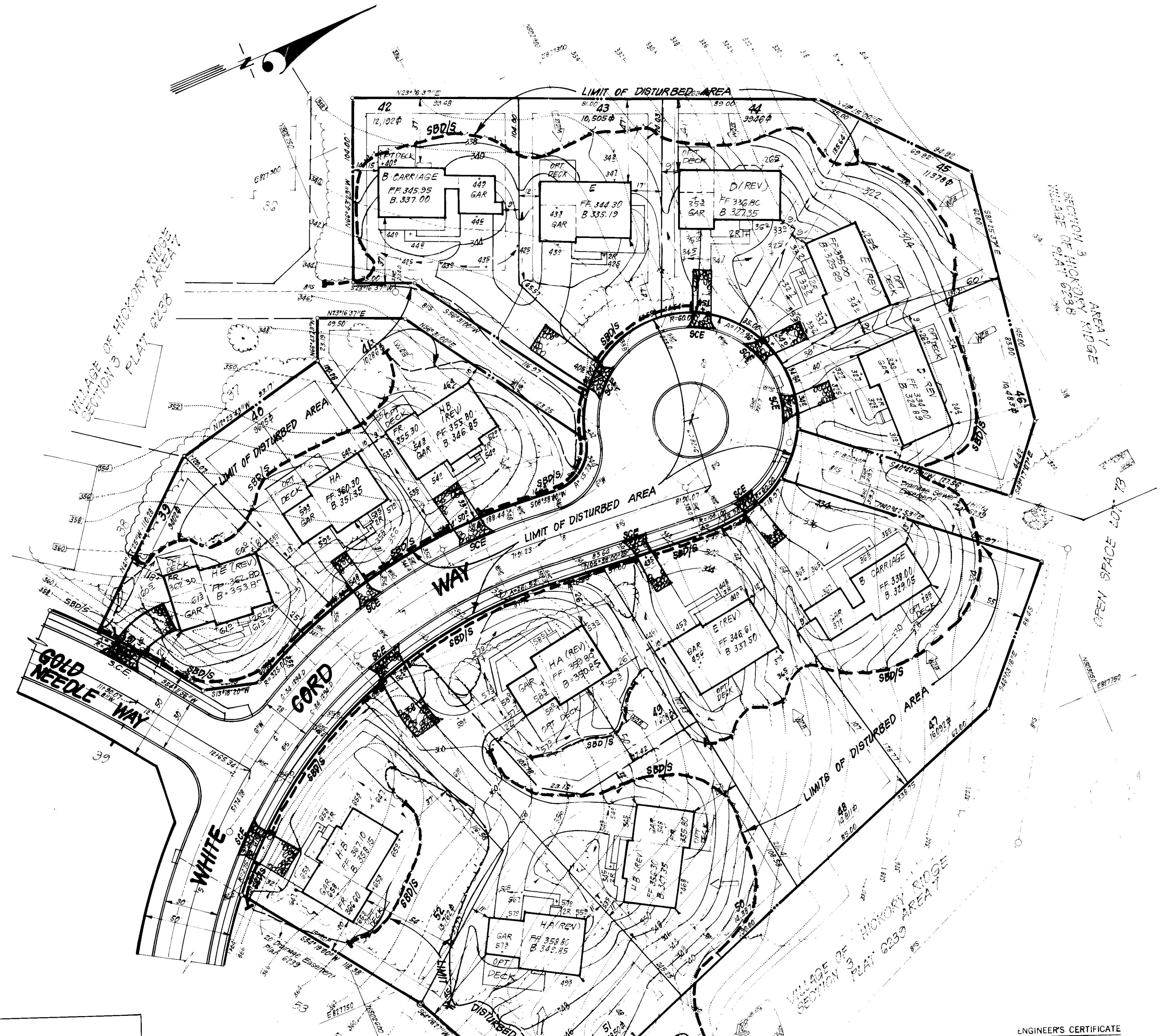
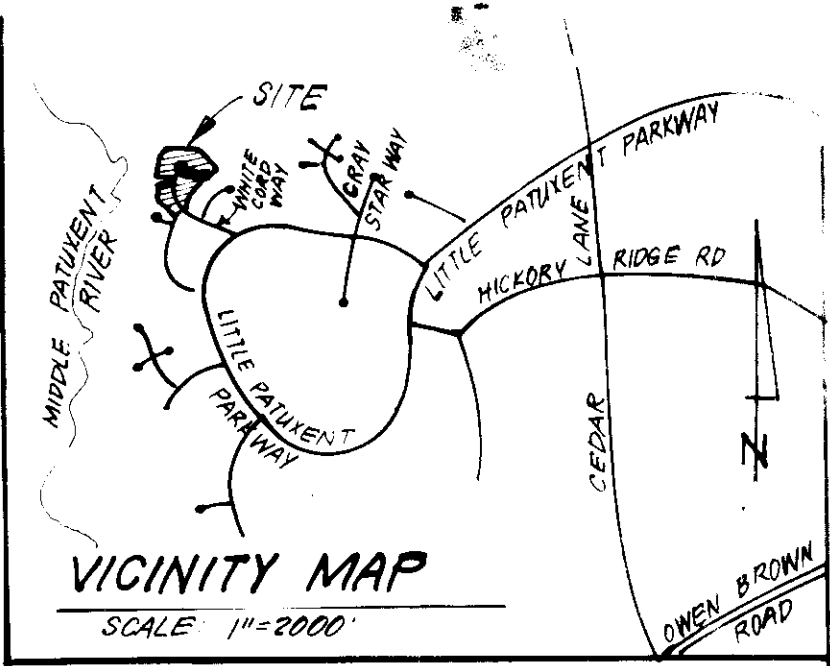
CLARK · FINEFROCK & SACKETT
ENGINEERS · PLANNERS · SURVEYORS
11315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593-3400

DESIGNED	JME	SCALE	1"=30'
DRAWN	KIW	DRAWING	10F3
CHECKED	VME	JOB NO.	85-075
DATE	8-27-85	FILE NO.	85-015-X

SITE DEVELOPMENT PLAN
LOTS 39 THRU 52
COLUMBIA
VILLAGE OF HICKORY RIDGE
SECTION 3 AREA 7
5TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

FOR: WILLIAMSBURG BUILDERS
P.O. Box 1018
Columbia, Md 21044





LEGEND:

- 1. Contour Interval
- 2. Existing Contour
- 3. Proposed Contour
- 4. Spot Elevation
- 5. Direction of Drainage
- 6. Existing Trees to be Saved
- 7. Walk Out Basement
- 8. Straw Bale Dike or Silt Fence
- 9. Stabilized Construction Entrance

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."

David Pruden
Signature of Developer/Builder
8-26-85
Date

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
8-27-85
Date

NOTE: Stabilize slopes behind Lots 50 & 51 within 7 days of initial grading w/ permanent seeding

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
John G... 10-24-85
DATE

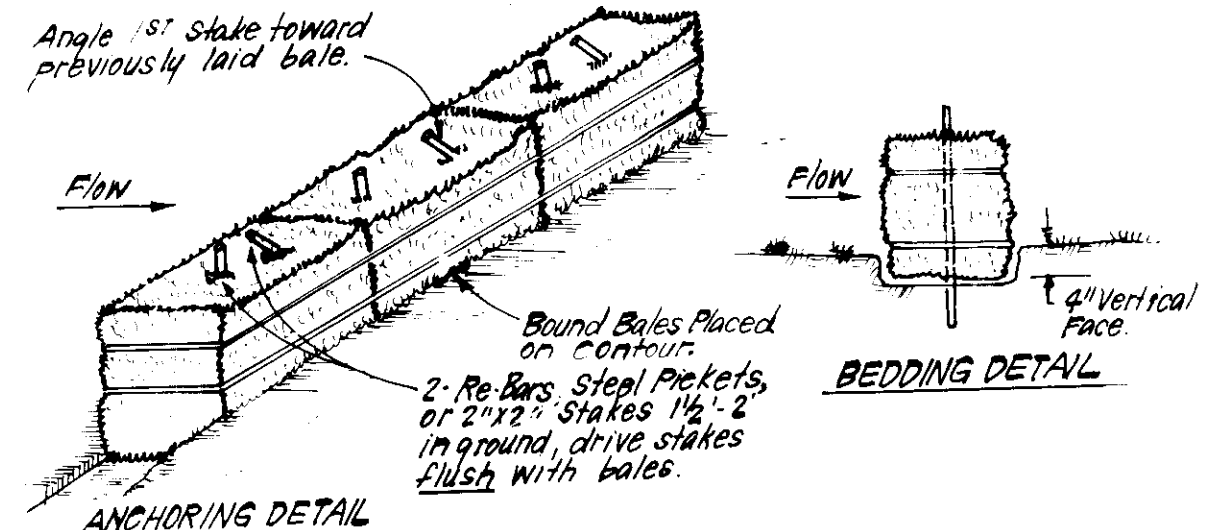
APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
John W. M... 10-24-85
DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
... 10-24-85
DATE

APPROVED
DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
9-24-85
...

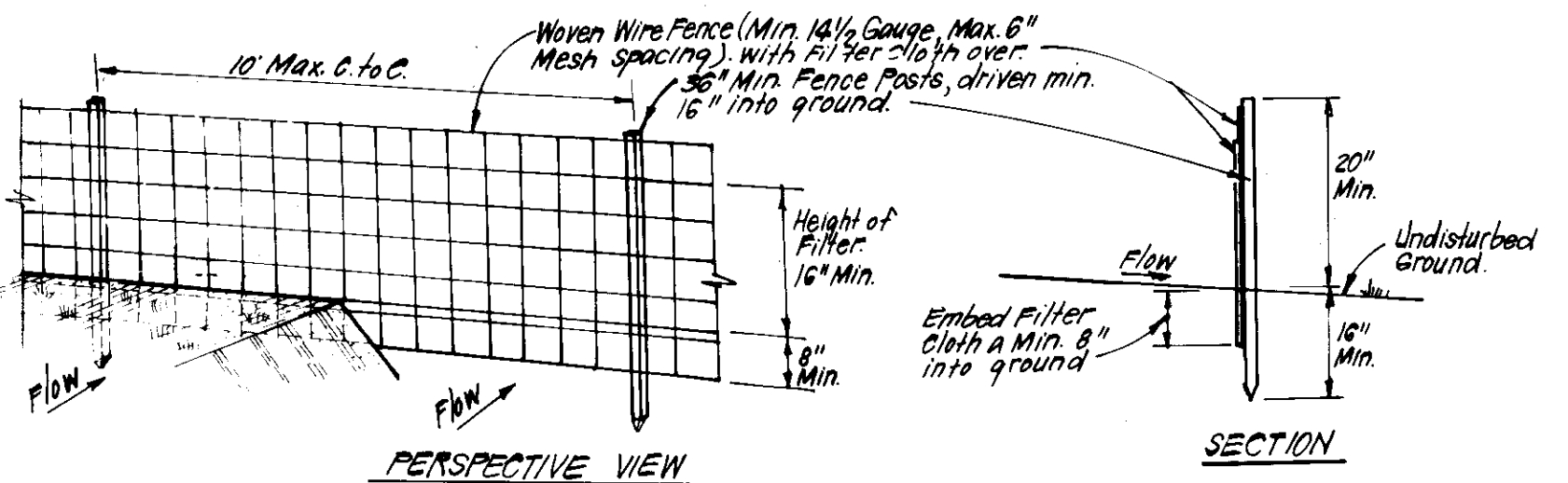
Reviewed for... S.C.D.
and meets technical requirements
J. Helm... 10-11-85
Signature Date
U.S. Soil Conservation Service
THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY HOWARD COUNTY
Stephen L. Adams 10/13/85
Approved Date

		CLARK • FINEFROCK & SACKETT ENGINEERS • PLANNERS • SURVEYORS 11315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 591-3400	
		DESIGNED GLB	DRAWING 2 OF 3
DRAWN KIW	CHECKED GLB	JOB NO. 85-075	FILE NO. 85-075-S
DATE 8-26-85	FOR: WILLIAMSBURG BUILDERS P.O. BOX 1018 Columbia, Md. 21042	S.D.P. 96-48C	



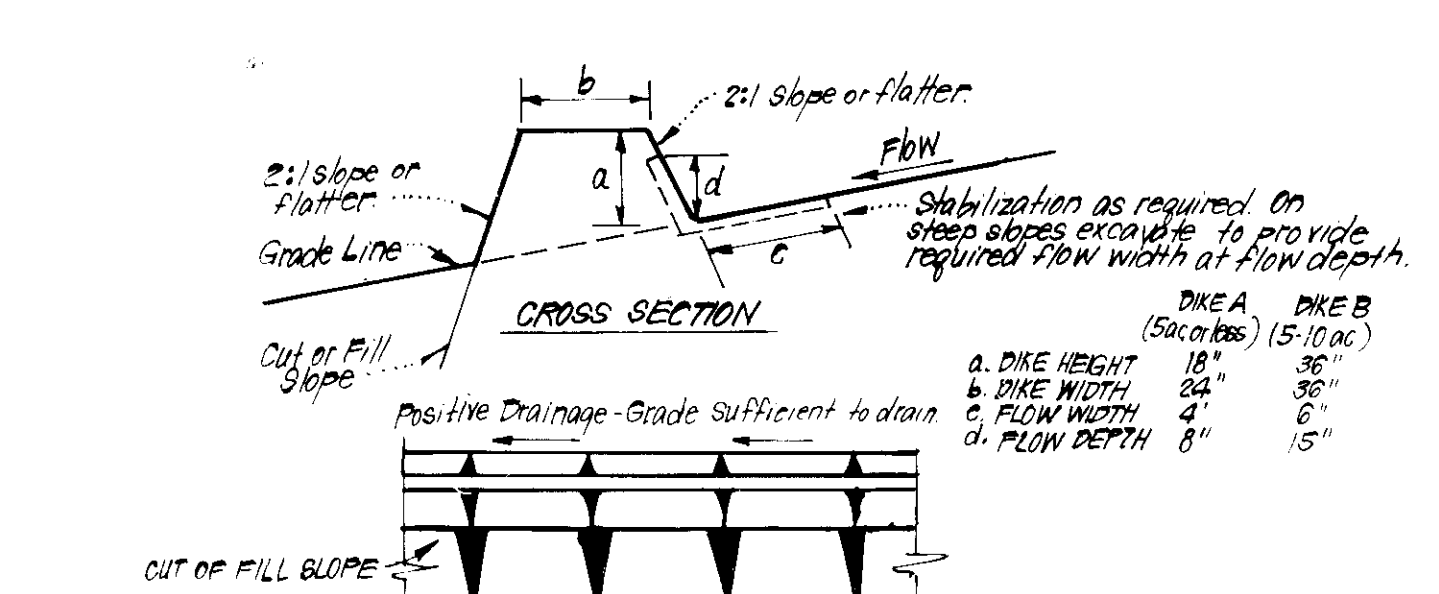
- CONSTRUCTION SPECIFICATIONS:
1. Bales shall be placed at the top of a slope or on the contour and in a row with ends tightly abutting the adjacent bales.
2. Each bale shall be embedded in the soil a min. of 4\"/>

STRAW BALE DIKE DETAIL (SBD) 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\"/>

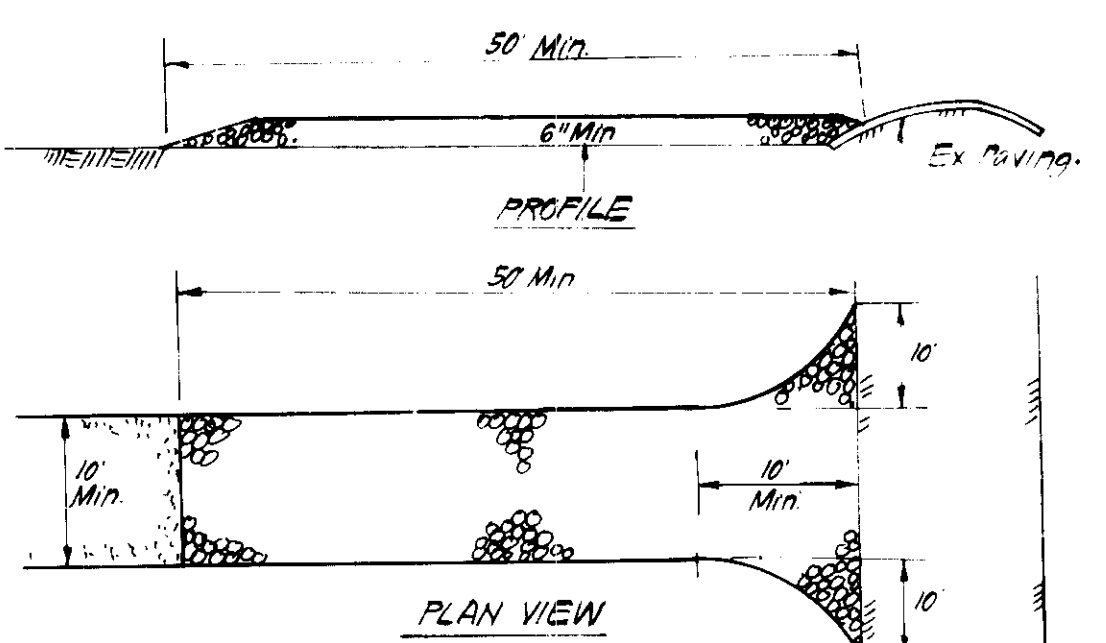
SILT FENCE DETAIL (S) NO SCALE



- 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 crossing by construction traffic.
4. Field location should be adjusted as needed to utilize a stabilized soft outlet.
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.

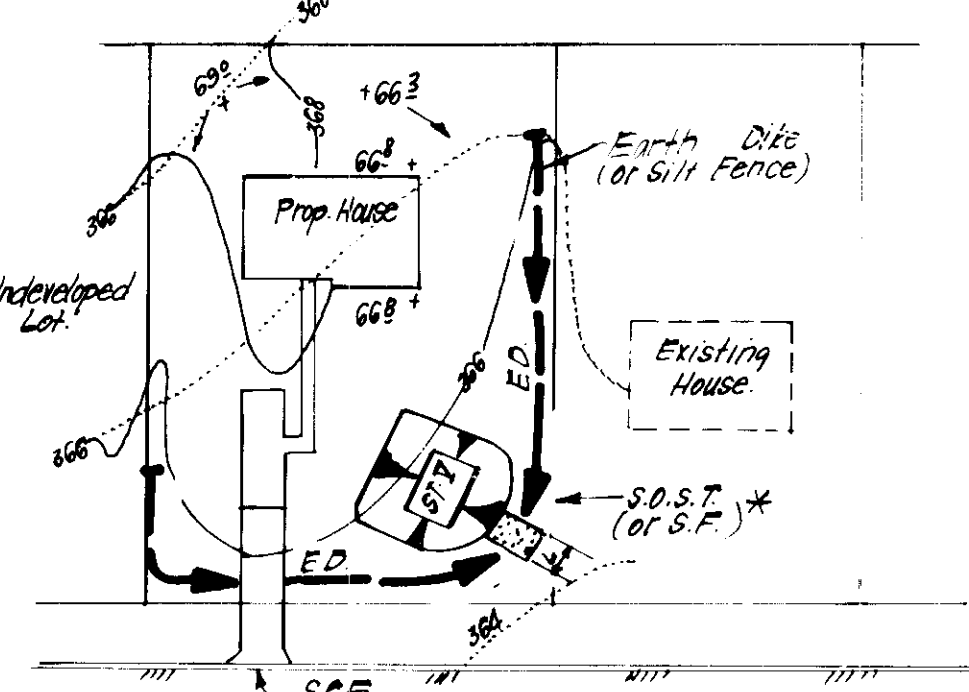
FLOW CHANNEL STABILIZATION table with columns for TYPE OF TREATMENT, CHANNEL GRADE, DIKE A, and DIKE B. Includes notes on stone and rip rap requirements.

EARTH DIKE DETAIL (E.D.) NO SCALE



- CONSTRUCTION SPECIFICATIONS:
1. Stone Size - Use 2\" stone, or reclaimed or recycled concrete equivalent.
2. Length - As required, but not less than 50 feet (except on a single residence lot where a 130' min length would apply).
3. Thickness - Not less than 6\".
4. Width - Top, not min, but not less than the full width at point where ingress of traffic 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 diverted toward construction entrances shall be piped across the entrance.
7. Maintenance - The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment onto public rights of way. This may require periodic top dressing with additional stone as conditions demand and repair and/or cleanout of any measures used to trap sediment. All sediment spilled, dropped, washed or tracked onto public rights of way must be removed immediately.
8. Washing - Wheels shall be cleaned to remove sediment prior to entrance onto 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.

STABILIZED CONSTRUCTION ENTRANCE (S.C.E.) NO SCALE



* NOTE: Single lot detail can not be utilized if any two lots sharing common property lines are to be disturbed at the same time or on any lots showing a sediment trap.

SINGLE LOT SEDIMENT CONTROL PLAN NO SCALE

SEDMIMENT CONTROL NOTES

- 1) A minimum of 24 hour notice must be given to the Washington Office of Inspection and Permitting prior to the start of any construction. (992-2437)
2) All vegetation and structural practices are to be installed according to the provisions of this plan and are to be in compliance 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 10 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 11, 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 rates do not allow for proper permission 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: 3.6468 Acres
Area Disturbed: 2.9359 Acres
Area to be roofed or paved: 0.9943 Acres
Area to be vegetatively stabilized: 1.6516 Acres
Total Fill: 2095 Cu. yds
Offsite waste/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 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 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-Sold" 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 fence equals 2645 L.F.

CONSTRUCTION SEQUENCE table with columns for activity and number of days. Activities include Obtain Grading Permit, Excavate for foundations, Construct Structures, Final Grade, and Final approval.

- 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:
1) 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.
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.
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.
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.
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 25 bushel per acre of annual rye (3.2 lbs/1000 sq ft).
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.
Refer to the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for rate and methods not covered.

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS. HOWARD COUNTY HEALTH DEPARTMENT. APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING. DIVISION OF LAND DEVELOPMENT, ZONING ADMINISTRATION.

APPROVED: DIVISION OF LAND DEVELOPMENT, ZONING ADMINISTRATION. DATE: 9-24-85.

Reviewed for... and meets Technical Requirements... DEVELOPER'S CERTIFICATE: I certify that this plan for Erosion and Sediment Control... ENGINEER'S CERTIFICATE: I hereby certify that this plan for Erosion and Sediment Control... DATE: 9-26-85.

CLARK • FINEFROCK & SACKETT ENGINEERS • PLANNERS • SURVEYORS. 11315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904. SEDIMENT & EROSION CONTROL PLAN LOTS 39 THRU 52. COLUMBIA VILLAGE OF HICKORY RIDGE SECTION 3 AREA 7 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND. DATE: 8-26-85.