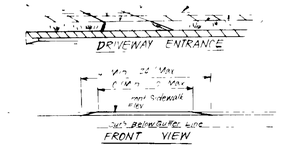
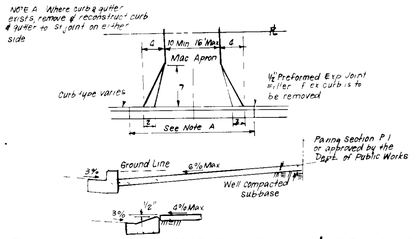


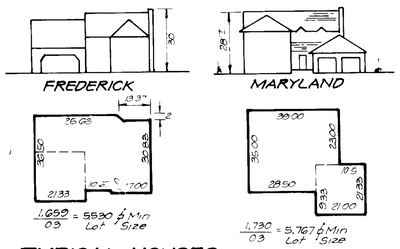
DRIVEWAY ABUTTING CLOSED SECTION - DETAILS

N.T.S. SCALE



DRIVEWAY ABUTTING CLOSED SECTION W/O SIDEWALK.

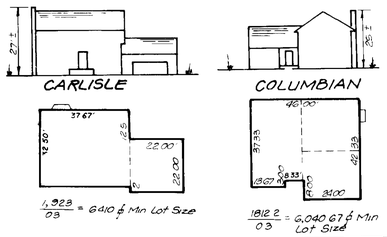
N.T.S. SCALE

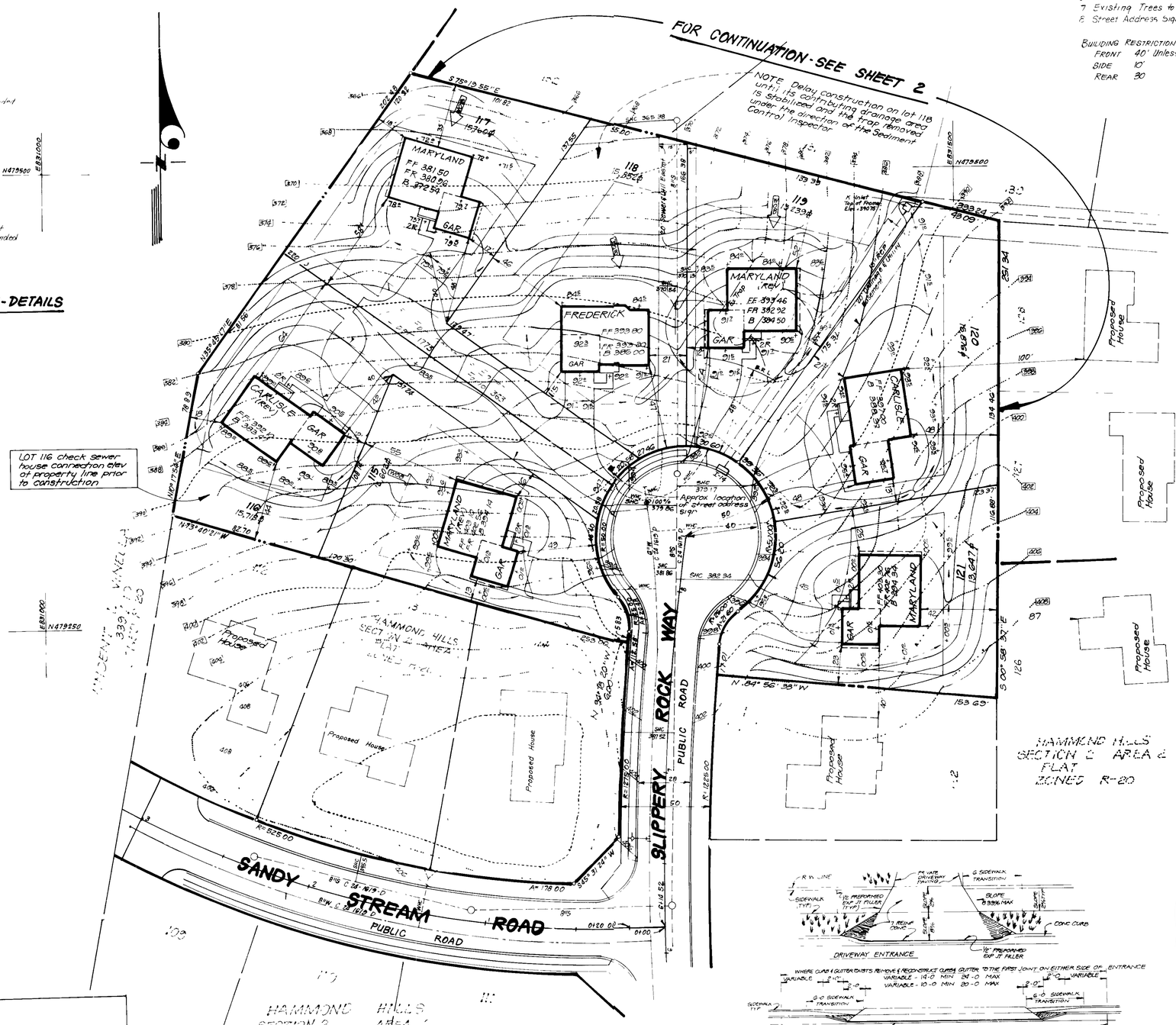


TYPICAL HOUSES

SCALE 1" = 30'

NOTE All units have 8' roof eaves front and rear

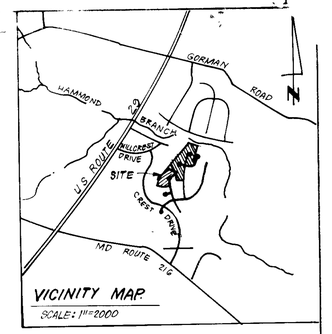




LEGEND:

1. Property Lines
2. Existing Contours
3. Proposed Contours
4. Spot Elevations
5. Direction of Drainage
6. Walk Out Basement
7. Existing Trees to be Saved
8. Street Address Sign

BUILDING RESTRICTION LINES
FRONT 40' Unless Noted
SIDE 10'
REAR 30'



GENERAL NOTES

1. The land included in this plan is zoned R-20
2. All coordinates are based on Ho Co Monument #2039003 prepared by Fisher Collins & Carter, which is based on the Maryland State Grid System
3. The total area included is 9.0784 Acres
4. All roadways are public & existing
5. Any damage to county owned rights of way shall be corrected at the developers expense
6. The contractor or developer shall contact the construction Inspection / Survey Division, 24 hrs. in advance of commencement of work at 792-2630
7. Maximum building coverage is 30%
8. Total Number of Lots: 27

- Approved Road Construction Plans shall be used for all Public Utilities
- Public Water & Sewer shown for reference only For more detailed information See Water & Sewer Plans Contract N° 24-1619-Q
- The Water & Sewer House Connections not included in a "Developers Agreement" shall conform to Ho Co Plumbing Code The On-site WHC shall be 1" copper and the SHC shall be 4" iron
- Stormwater Management provided for in The Riemer Group Hammond Hills Section 2 Area 2 Preliminary Plans F-87-176

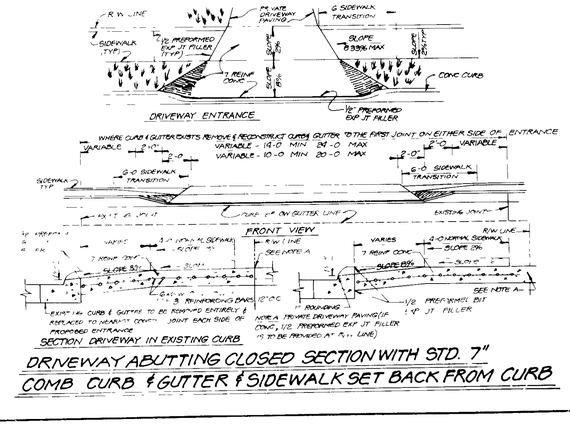
NOTE Existing contours taken from plans prepared by The Riemer Group, Inc.

DATE	REVISION
2 22 88	Rev hse numbers lots 145 & 146

ADDRESS CHART

LOT NO	STREET ADDRESS
129	8241 RIPPLING BRANCH ROAD
130	8205 COOL CREEK "
131	8209 " "
132	8213 " "
133	8217 " "
134	8212 " "
135	8208 " "
136	8200 " "
137	8253 RIPPLING BRANCH ROAD
138	8257 " "
139	8261 " "
140	8265 " "
141	8269 " "
142	8268 " "
143	8262 " "
144	8256 " "
145	8203 BUBBLING SPRING
146	8215 " "
147	8225 " "
148	8229 " "
115	8231 SLIPPERY ROCK WAY
116	8235 " " "
117	8239 " " "
118	8243 " " "
119	8242 " " "
120	8238 " " "
121	8234 " " "

SUBDIVISION NAME		SECT / AREA	LOTS
HAMMOND HILLS		2/2	115-121, 129-148
PLAT #	BLOCK #	ZONE	TAX / ZONE MAP	ELEC DIST	Census Tr
7551-7557	5	R-20	46	6TH	6062
Water Code		Sewer Code	
7G40000		E-18	



DRIVEWAY ABUTTING CLOSED SECTION WITH STD. 7" COMB CURB & GUTTER & SIDEWALK SET BACK FROM CURB

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT
COUNTY HEALTH OFFICER — DATE 4/1/88

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING
PLANNING DIRECTOR — DATE 2.5.88
CHIEF DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION — DATE 2/2/88

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DIRECTOR — DATE 1/26/88
CHIEF BUREAU OF ENGINEERING — DATE 1-27-88

11-4-87

STATE OF MARYLAND — DONALD K. HAMMANN — REGISTERED LAND SURVEYOR

CLARK • FINEFROCK & SACKETT, INC
ENGINEERS • PLANNERS • SURVEYORS
7135 MINSTREL WAY • COLUMBIA, MD 21045 • (301) 381-7200 BALTO •

DESIGNED	CMS
DRAWN	BAL R/W
CHECKED	CMS
DATE	Sept 1987

SITE DEVELOPMENT PLAN
LOTS 115 THRU 121 & 129 THRU 148
HAMMOND HILLS
SECTION 2 AREA 2
6TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
FOR CONSOLIDATED HOME BUILDERS, INC
8950 Route 108
Columbia, MD 21045

SCALE	1"=30'
DRAWING	1 OF 5
JOB NO	87-085
FILE NO	87-085x

SDP-88-60

FOR CONTINUATION - SEE SHEET 1 OF 2

LOT 134 check sewer house connection elev. of property line prior to construction

LOT 138 check sewer house connection elev. of property line prior to construction

LOT 141 check sewer house connection elev. of property line prior to construction

NOTE Delay construction on lots 136 & 137 until its contributing drainage area is stabilized and the trap removed under the direction of the Sediment Control Inspector

NOTE Existing contours taken from plans prepared by the Riemer Group Inc

OPEN SPACE LOT 2 HAMMOND HILLS SECTION 2 AREA 2

APPROVED
DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 11-4-87

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT
COUNTY HEALTH OFFICER — DATE 2/1/88

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING
PLANNING DIRECTOR — DATE 2.5.88
CHIEF DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION — DATE 2/2/88

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DIRECTOR — DATE 1-26-88
CHIEF BUREAU OF ENGINEERING — DATE 1-27-88

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

DESIGNED CMS	SITE DEVELOPMENT PLAN LOTS 115 THRU 121 & 129 THRU 148	SCALE 1"=30'
DRAWN BAL KIW	HAMMOND HILLS SECTION 2 AREA 2	DRAWING 2 OF 5
CHECKED CMS	6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND	JOB NO 87-085
DATE Sept 1987	FOR CONSOLIDATED HOME BUILDERS, INC. 8950 Route 108 Columbia MD 21045	FILE NO 87-085

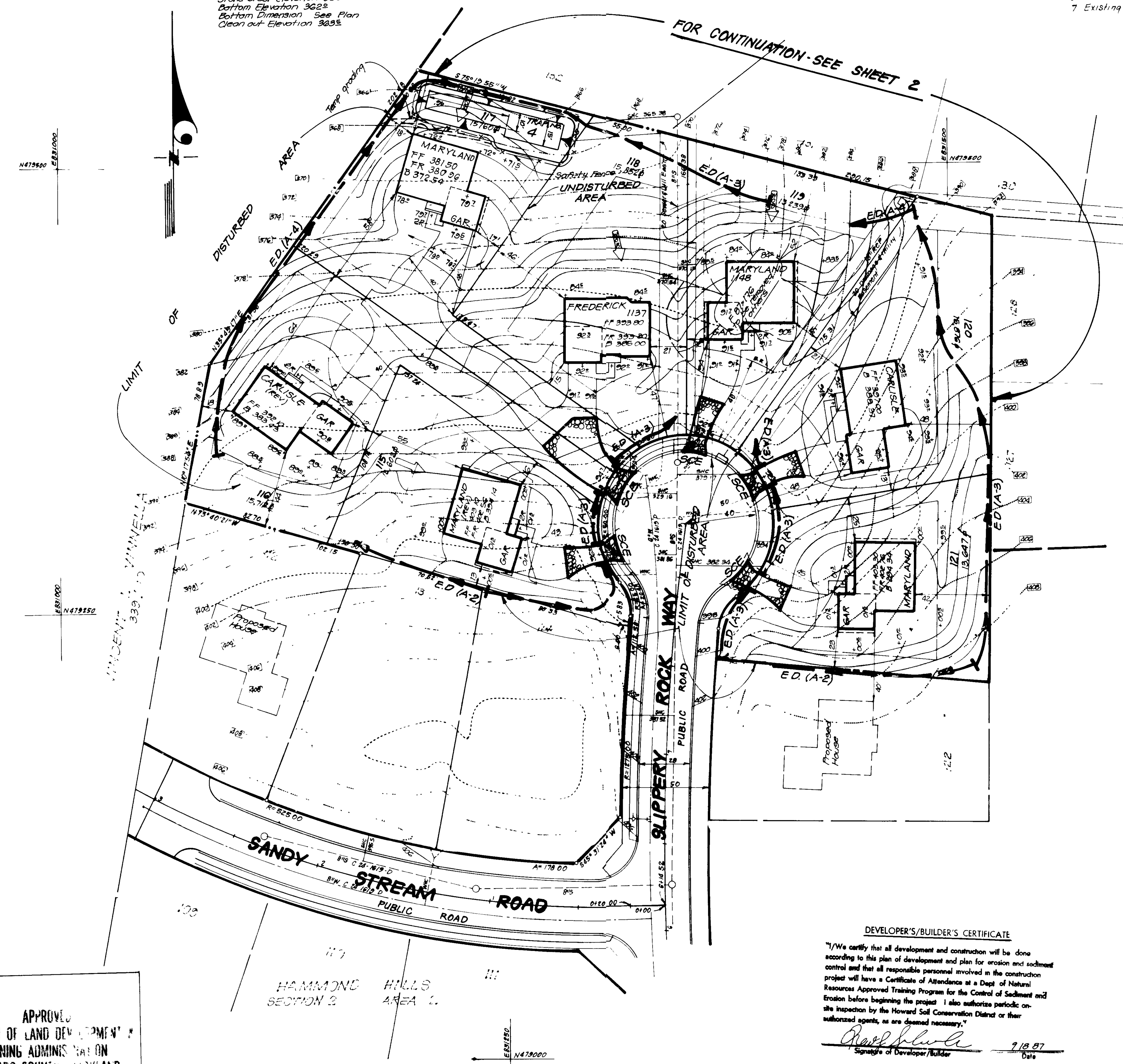
SDP-88-60

TRAP NO 4 SOST ST V

Drainage Area 20 Acres
Storage Required 2.0 × 1800 = 3060 cf
Storage Provided 3610 cf
Depth 3'
Stone crest Elevation 366.0
Bottom Elevation 362.0
Bottom Dimension See Plan
Clean out Elevation 363.5

LEGEND:

1	Contour Interval	2 Ft
2	Existing Contour	370 (dashed)
3	Proposed Contour	370 (solid)
4	Spot Elevation	+705
5	Direction of Drainage	(arrow)
6	Walk Out Basement	(open arrow)
7	Existing Trees to be Saved	(tree symbol)



Reviewed for HOWARD SCD
Name
and meets Technical Requirements
Signature
U.S. Soil Conservation Service

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

Approved ____ 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 — Date 9-21-87

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."

Signature of Developer/Builder — Date 9/18/87

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT
COUNTY HEALTH OFFICER — DATE 2/1/88

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING
PLANNING DIRECTOR — DATE 2.5.88
CHIEF DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION — DATE 2/2/88

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

APPROVED
DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
HOWARD COUNTY MARYLAND
DATE 11-4-87

CLARK • FINEFROCK & SACKETT, INC
ENGINEERS • PLANNERS • SURVEYORS
7135 MINSTREL WAY • COLUMBIA MD 21045 • (301) 381-7200 BALTO • [illegible] WASH

DESIGNED GLB	SEDIMENT & EROSION CONTROL PLAN LOTS 115 THRU 121 & 129 THRU 148	SCALE 1"=30'
DRAWN BAL	**HAMMOND HILLS**	DRAWING 3 OF 5
CHECKED GLB	SECTION 2 AREA 2 6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND	JOB NO 87-085
DATE Sept 1987	FOR CONSOLIDATED HOME BUILDERS, INC 8950 Route 108 Columbia, MD 21045	FILE NO 87-085SE

SDP-88-60

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

COUNTY HEALTH OFFICER — DATE 3/1/88

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING

PLANNING DIRECTOR — DATE 2.5.88

CHIEF DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION — DATE 2/2/88

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

DIRECTOR — DATE

CHIEF BUREAU OF ENGINEERING — DATE 1 21 88

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."

Signature of Developer/Builder — 9.18.86

ENGINEER'S CERTIFICATE

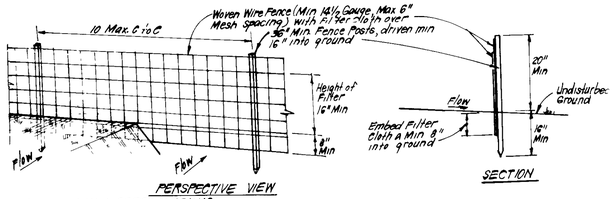
I hereby certify that this plan for Erosion and Sediment Control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.

G Nelson Clark — Date 9-21-87

CLARK • FINEFROCK & SACKETT, INC
ENGINEERS • PLANNERS • SURVEYORS
7135 MINSTREL WAY • COLUMBIA MD 21045 • (301) 381-200 BALTO • (301) 81 WASH

DESIGNED GLB	SEDIMENT & EROSION CONTROL PLAN LOTS 115 THRU 121 & 129 THRU 148	SCALE 1"=30'
DRAWN BAL	**HAMMOND HILLS** SECTION 2 AREA 2	DRAWING 4 OF 5
CHECKED GLB	6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND	JOB NO 87-085
DATE Sept 1987	FOR CONSOLIDATED HOME BUILDERS INC	FILE NO 87-085S

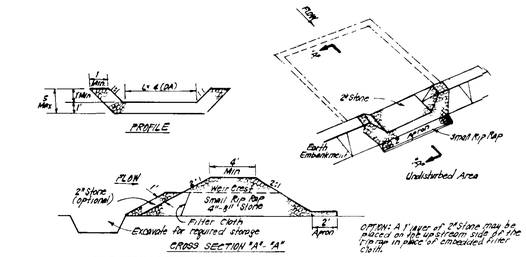
SDP-88 60



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 "Bulges" develop in Silt Fence

POSTS: Steel either T or U Type or 2" Hardwood
FENCE: Woven Wire, 14½ Gauge, 6" Max. Mesh Opening
FILTER CLOTH: Filter X, Mirafi 100X, Stabilinka, T140N or Approv equ.
PREFABRICATED UNIT: Geo-Fab, Envirofence, or Approv. equal

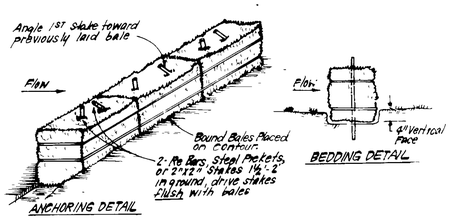
SILT FENCE DETAIL (S)
NO SCALE



OPTION: A 1' layer of 2" stone may be placed on the upstream side of the Filter in place of embedded filter cloth.

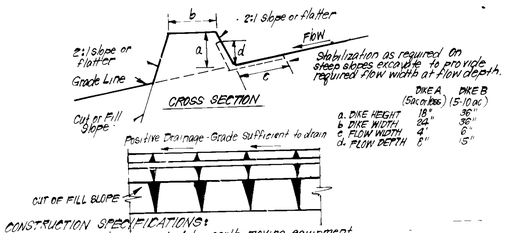
CONSTRUCTION SPECIFICATIONS:
1. Area under embankment shall be cleared, grubbed and stripped of any vegetation and root mat. The pool area shall be cleared.
2. The fill material for the embankment shall be free of roots and other woody vegetation as well as over sized stones, rocks, organic material, or other objectionable material. The embankment shall be compacted by traversing 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"-8" stone with ½ thickness of 2" aggregate placed on the up-grade side of the small rip rap, or embedded in filter cloth on the rip rap.
5. Sediment shall be removed and trap restored to its original dimensions when the sediment has accumulated to ½ 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 (S.O.ST) STV
NO SCALE



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" and placed so the bindings are horizontal.
3. Bales shall be securely anchored in place by either 2 stakes or re bars driven thru the bale. The 1st stake in each bale shall be driven toward the previously laid bale at an angle to force the bales together. Stakes shall be driven flush with the bale.
4. Inspection shall be frequent and repair replacement shall be made promptly as needed
5. 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)
NO SCALE



	DIKE A (Subbase)	DIKE B (5-10 ac)
a. DIKE HEIGHT	18"	36"
b. DIKE WIDTH	84"	36"
c. FLOW WIDTH	4'	6'
d. FLOW DEPTH	6"	15"

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 safe outlet
5. Earth dikes shall have an outlet that functions 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 if not in seeding season, (B) flow channel as per chart below.

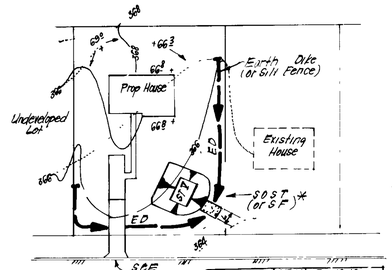
FLOW CHANNEL STABILIZATION

TYPE OF TREATMENT	CHANNEL GRADE	DIKE A	DIKE B
1	0.5 - 3.0%	Seed & Straw Mulch	Seed & Straw Mulch
2	3.1 - 5.0%	Seed & Straw Mulch	Seed w/Jute, or Excelsior, Sod, 2" Stone
3	5.1 - 8.0%	Seed w/Jute or Sod; 2" Stone	Lined Rip Rap 2'-8" Stone
4	8.1 - 20.0%	Lined Rip Rap 4-8" Stone	Engineering Design

A. Stone to be 2" Stone, or recycled concrete equivilent, in a layer at least 3" thick and be pressed into soil with construction equipment.
B. Rip Rap to be 4"-8" in a layer at least 8" thick, 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

EARTH DIKE DETAIL (E.D.)
NO SCALE



*S.O.S.T.	(S.T.V)	Pg 16.12
LOT SIZE	¼ Ac	½ Ac	1 Ac
L	2	3	6
Depth	2	2	2
Bot Length	11	26	26
Bot Width	11	11	26
Bot Area	121 ft	286 ft	676 ft

+ can be adjusted in field, but bottom area must be as given, or greater

* 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

PERMANENT SEEDING NOTES

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. Harrow or disc into upper three inches of soil. At time of seeding, apply 400 lbs per acre 30-0-0 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. 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 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 1½ 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.

_____ - 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

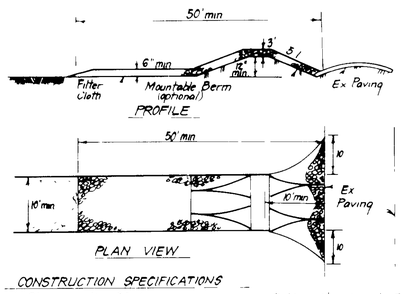
Seedbed Preparation: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding

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 2½ bushel 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 (.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 1½ 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 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for rate and methods not covered.



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 30 foot minimum length would apply
3. Thickness - Not less than six (6) inches
4. Width - Ten (10) foot 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 diverted toward construction entrances shall be piped across the entrance. If piping is impractical, a mountable berm with 5:1 slopes will be permitted
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 (SCE)
NO SCALE

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 redisturbance, 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, Chaper 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	908	Acres
Area Disturbed	795	Acres
Area to be roofed or paved	170	Acres
Area to be vegetatively stabilized	625	Acres
Total Cut		Cu. yds
Total Fill		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 45 L.F.

CONSTRUCTION SEQUENCE

	NO OF DAYS
A Obtain grading permit and install sediment and erosion control devices and stabilize	15
B Excavate for foundation and rough grade and stabilize	90
*C Construct structures, sidewalks and driveways	300
D Final grade and stabilize in accordance with standards and specifications	60
E Upon approval of the sediment & erosion control inspector, remove sediment and erosion controls and stabilize	15

* Delay construction on lots 117, 136 & 137 until approved removal of existing trap. Construct houses utilizing single lot sediment control as necessary.

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 and that it was prepared in accordance with the requirements of the Howard County Code.

G. Nelson Clark — 9-21-87

DEVELOPER/BUILDER'S CERTIFICATE

"I/We certify that all development and construction will be done pursuant to this plan 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 after 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 of Developer/Builder — 9.18.86

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT
COUNTY HEALTH OFFICER — DATE 2/11/88

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING
PLANNING DIRECTOR — DATE 2.5.88
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION — DATE 2/2/88

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DIRECTOR — DATE
CHIEF BUREAU OF ENGINEERING — DATE

APPROVED
DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 11-14-87

Reviewed for ... S.C.D. Name and meets Technical Requirements
Signature
U.S. Soil Conservation Service
THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
Approved — Date

CLARK • FINEFROCK & SACKETT, INC
ENGINEERS • PLANNERS • SURVEYORS
7135 MINSTREL WAY • COLUMBIA, MD 21045 • (301) 981-[illegible] FAX (301) [illegible]

DESIGNED	GLB
DRAWN	BAL
CHECKED	GLB
DATE	Sept 1987

SEDIMENT & EROSION CONTROL PLAN
LOTS 115 THRU 121 & 129 THRU 148
HAMMOND HILLS
SECTION 2 AREA 2
6TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
FOR CONSOLIDATED HOME BUILDERS, INC
8950 Route 108
Columbia, MD 21045

SCALE	As Shown
DRAWING	5 OF 5
JOB NO	87-085
FILE #	87-085SE

SDP 88-60