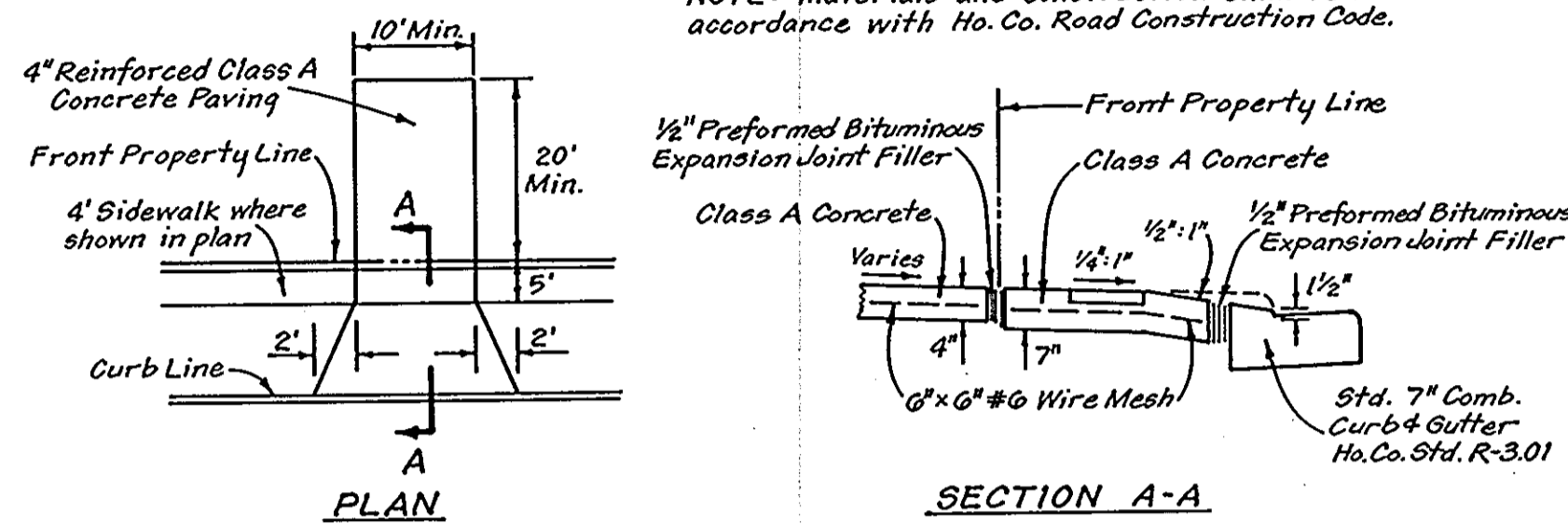
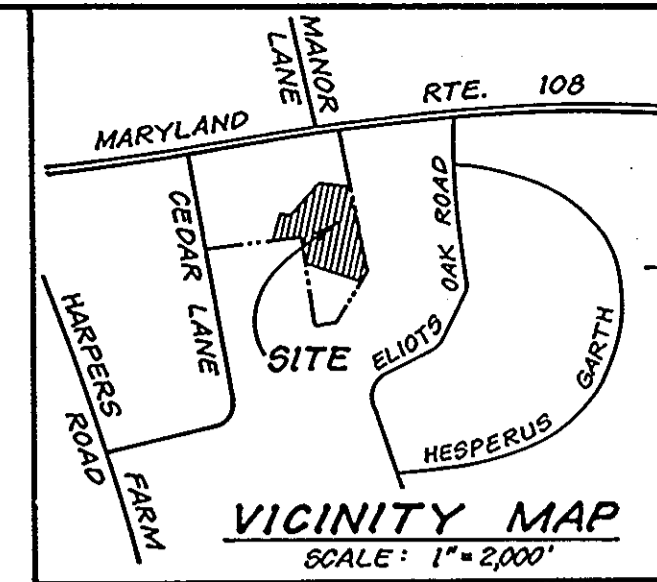


TYPICAL HOUSES
No Scale



DRIVEWAY ABUTTING STD. 7\"/>



GENERAL NOTES

1. The land included is zoned: R-20
2. Horizontal Control is based on Howard County Monuments 2839002 & 2839003.
3. All roads are public and existing.
4. Any damage to county owned rights-of-way shall be corrected at the developer's expense.
5. The total area included: 6.366 Ac.
6. The total number of buildable lots: 20.
7. Lot Coverage: 40% maximum building coverage per lot.

LEGEND

1. Contour Interval 2 Ft.
2. Existing Contour 430
3. Proposed Contour +432
4. Spot Elevation +432
5. Direction of Drainage
6. Walk-Out Basement

NOTE: Storm Water Management provide by central facility located in Beech Creek Sect. 1 Area 1, Approved Rd. Construct. Plans F-85-136.

NOTE: Approved Road Construction Plans shall be used for Installation of Public Utilities. F-Public Water and Sewer shown for Reference Only. See Water and Sewer Plans, Contract No. 24-1445-D.

NOTE: The Contractor or Developer shall contact the Construction Inspection Survey Division, 24 Hours in advance of commencement of Work at 792-7272.

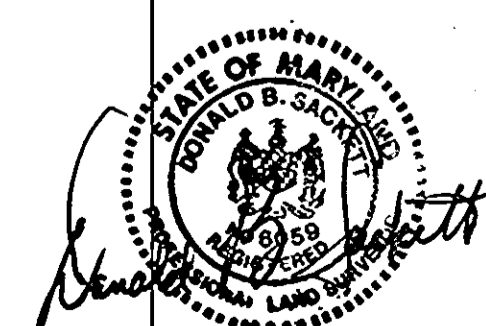
SEDIMENT AND EROSION CONTROL For This Site is Provided For By The Previously Approved Road Construction Plans F-

LOT No.	STREET ADDRESS
18	10835 Beech Creek Drive
19	10839 " " " "
20	10843 " " " "
21	10847 " " " "
22	10851 " " " "
23	10855 " " " "
40	10852 " " " "
41	10848 " " " "
42	10844 " " " "
43	10840 " " " "
44	10836 " " " "
45	10832 " " " "
46	10828 " " " "

OWNER / DEVELOPER: Beech Creek Associates 3967 Ducks Foot Lane Ellicott City, Maryland 21043	SUBDIVISION NAME: BEECH CREEK	SECT / AREA: 1 / 2	LOTS 18-23, 40-46 & 99-101
PLAT #: 6732 & 6733	BLOCK #: 17	TAX / ZONE MAP / ELEC. DIST. / CENSUS TR. R-20 / 5th / 6052.01	
WATER CODE: 102	SEWER CODE: 5583.000		

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

DESIGNED K.N.	SITE DEVELOPMENT PLAN LOTS 18 THRU 46 AND OPEN SPACE LOTS 99 THRU 102 BEECH CREEK SECTION 1 AREA 2 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND	SCALE 1" = 30'
DRAWN LAI		DRAWING 1 of 5
CHECKED J.M.E.		JOB NO. 85-049
DATE 1-28-86		FILE NO. 85-049 X
		FOR: THE RYLAND GROUP (Columbia Div) Waterview Office Center 7130 Minutal Way, Suite 215 Columbia, Maryland 21045



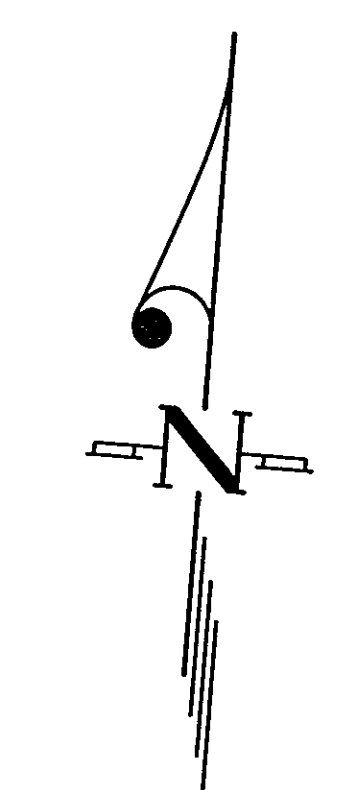
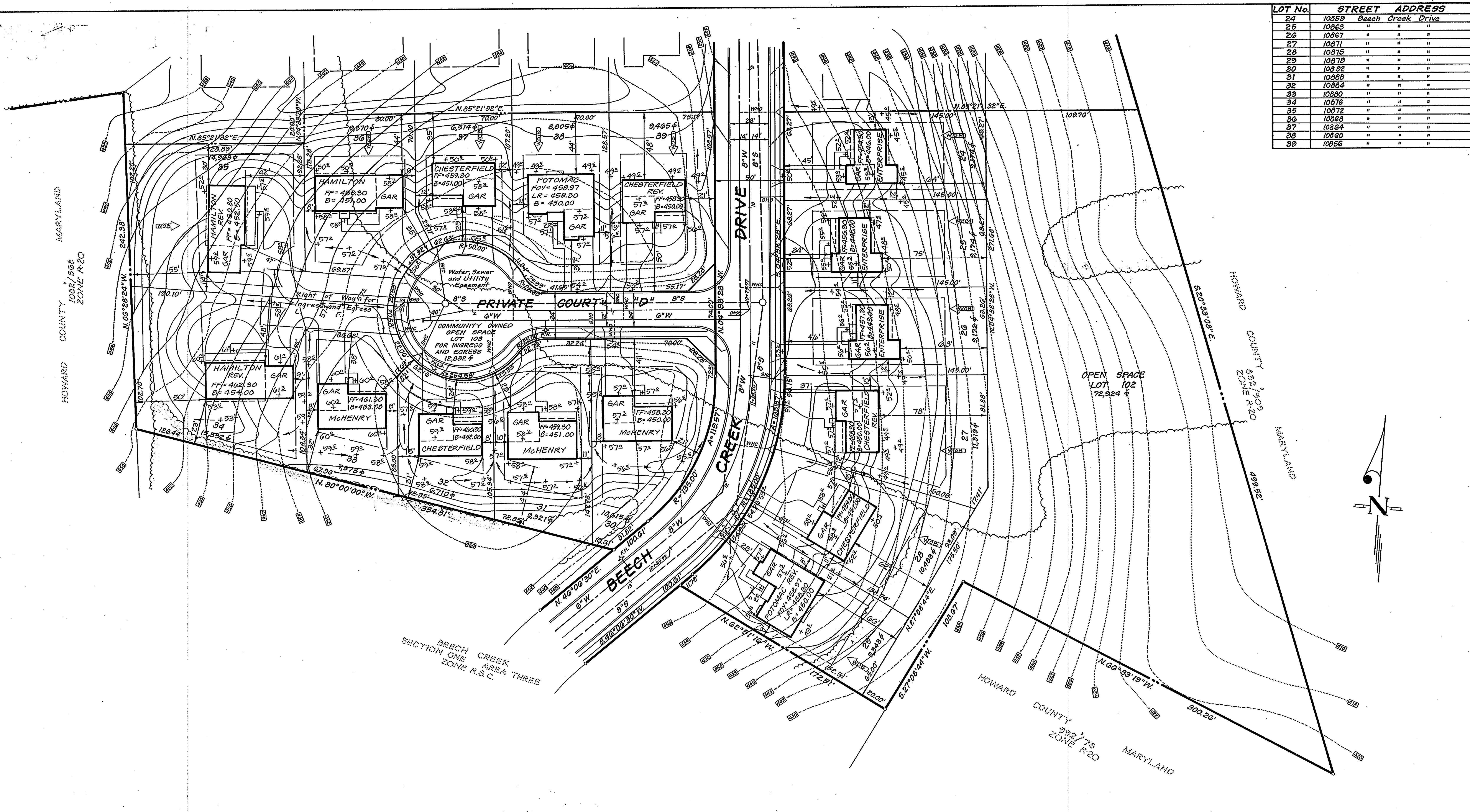
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,
HOWARD COUNTY HEALTH DEPARTMENT
DATE: 6-25-86

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
DATE: 6-26-86

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE,
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DATE: 6-19-86

DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE: 3-7-86

LOT No.	STREET ADDRESS
24	10859 Beech Creek Drive
25	10863 " " "
26	10867 " " "
27	10871 " " "
28	10875 " " "
29	10879 " " "
30	10882 " " "
31	10888 " " "
32	10884 " " "
33	10880 " " "
34	10876 " " "
35	10872 " " "
36	10868 " " "
37	10864 " " "
38	10860 " " "
39	10856 " " "



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

John P. ... 6-25-86
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING

Thomas ... 6-26-86
PLANNING DIRECTOR DATE

John ... 6-26-86
CHIEF DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION DATE

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

... 6-19-86
DIRECTOR DATE

... 6-19-86
CHIEF BUREAU OF ENGINEERING DATE

APPROVED
DIVISION OF LAND DEVELOPMENT &
ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 3-7-86

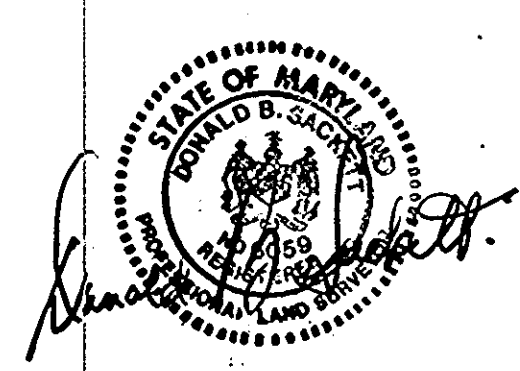
M. ...

CLARK · FINEFROCK & SACKETT
ENGINEERS · PLANNERS · SURVEYORS

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

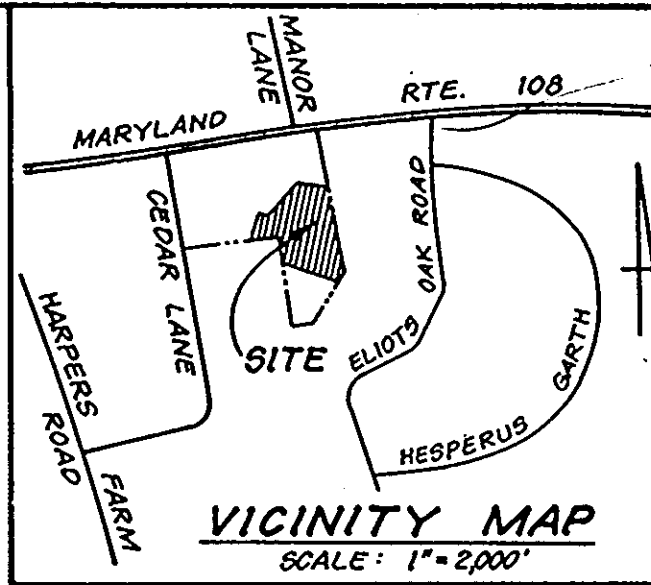
DESIGNED K.N.	SITE DEVELOPMENT PLAN LOTS 18 THRU 46 AND OPEN SPACE LOTS 99 THRU 102 BEECH CREEK SECTION 1 AREA 2 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND	SCALE 1"=30'
DRAWN LAI		DRAWING 2 of 5
CHECKED J.M.E.		JOB NO. 85-049
DATE 1-28-80		FILE NO. 85-049X
FOR: THE RYLAND GROUP Waterview Office Center 7180 Minnetrel Way, Suite 215 Columbia, Maryland 21045		

S.D.P. 86-159



TRAP #1 (S.O.S.T. ST V)

D.A. = 3.4 Ac.
 Storage Required = 3.4(1800) = 6120 c.f.
 Storage Provided = 6240 c.f.
 Depth = 4'
 Stone Crest Elev. = 418.0
 Bottom Elev. = 413.0
 Bottom Dimensions = 52' x 18'
 Clean-Out Elev. = 415.0



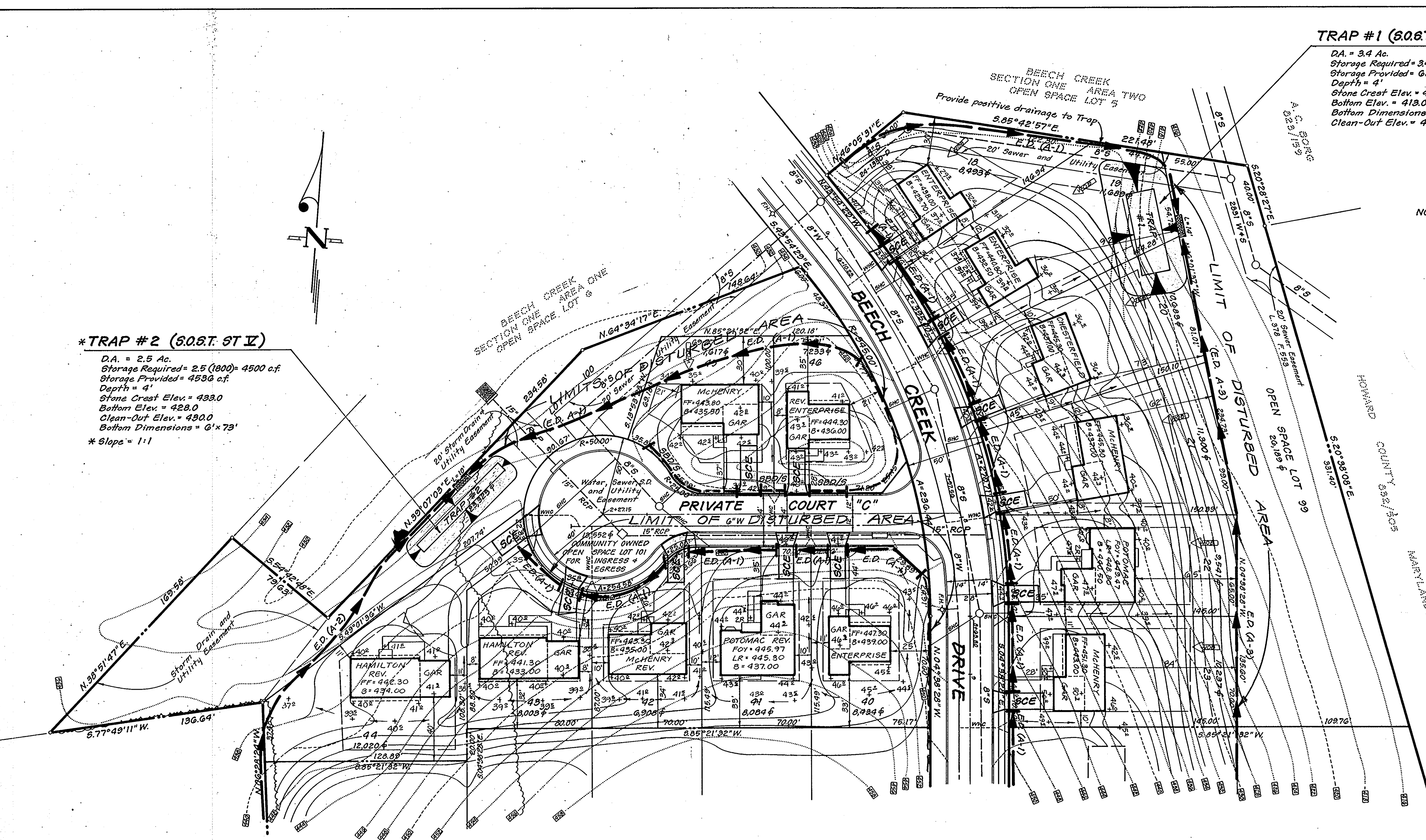
NOTE: Rough Grade Areas on Lots 19, 20 + 21 affected by Trap at 1:1 slope.

LEGEND

1. Contour Interval 2 Ft.
2. Existing Contour 430
3. Proposed Contour +432
4. Spot Elevation
5. Direction of Drainage
6. Walk-Out Basement
7. Straw Bale Dike/Silt Fence 50D/S
8. Earth Dike E.D. (A-1)
9. Stabilized Construction Entrance SCE

***TRAP #2 (S.O.S.T. ST V)**

D.A. = 2.5 Ac.
 Storage Required = 2.5(1800) = 4500 c.f.
 Storage Provided = 4536 c.f.
 Depth = 4'
 Stone Crest Elev. = 433.0
 Bottom Elev. = 428.0
 Clean-Out Elev. = 430.0
 Bottom Dimensions = 6' x 73'
 *Slope = 1:1



LOT No.	STREET ADDRESS
18	10835 Beech Creek Drive
19	10839 " " " "
20	10843 " " " "
21	10847 " " " "
22	10851 " " " "
23	10855 " " " "
40	10862 " " " "
41	10848 " " " "
42	10844 " " " "
43	10840 " " " "
44	10836 " " " "
45	10832 " " " "
46	10828 " " " "

OWNER / DEVELOPER: Beech Creek Associates 3967 Ducks Foot Lane Ellicott City, Maryland 21043	SUBDIVISION NAME BEECH CREEK	SECT / AREA 1/2	LOTS 18-23, 40-46 + 99-101
PLAT # 673216733	BLOCK # 17	ZONE R3C	TAX / ZONE MAP ELEC. DIST. CENSUS TR 29 5th 6052.01
WATER CODE 102	SEWER CODE 5583000		

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,
 HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER: *[Signature]* DATE: 6-25-86

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
 PLANNING DIRECTOR: *[Signature]* DATE: 6-26-86

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE,
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DIRECTOR: *[Signature]* DATE: 6-19-86

CHIEF BUREAU OF ENGINEERING: *[Signature]* DATE: 6-26-86

APPROVED
 DIVISION OF LAND DEVELOPMENT &
 ZONING ADMINISTRATION
 HOWARD COUNTY, MARYLAND
 DATE: 3-7-86
[Signature]

Reviewed for: Howard S.C.D.
 Name: Howard
 Signature: *[Signature]* Date: 6-13-86
 U.S. Soil Conservation Service

THIS DEVELOPMENT PLAN IS APPROVED
 FOR SOIL EROSION AND SEDIMENT
 CONTROL BY THE HOWARD SOIL
 CONSERVATION DISTRICT.
 Approved: *[Signature]* Date: 6/13/86

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: *[Signature]* Date: 2-5-86
 MAURICE M. SWINKINS

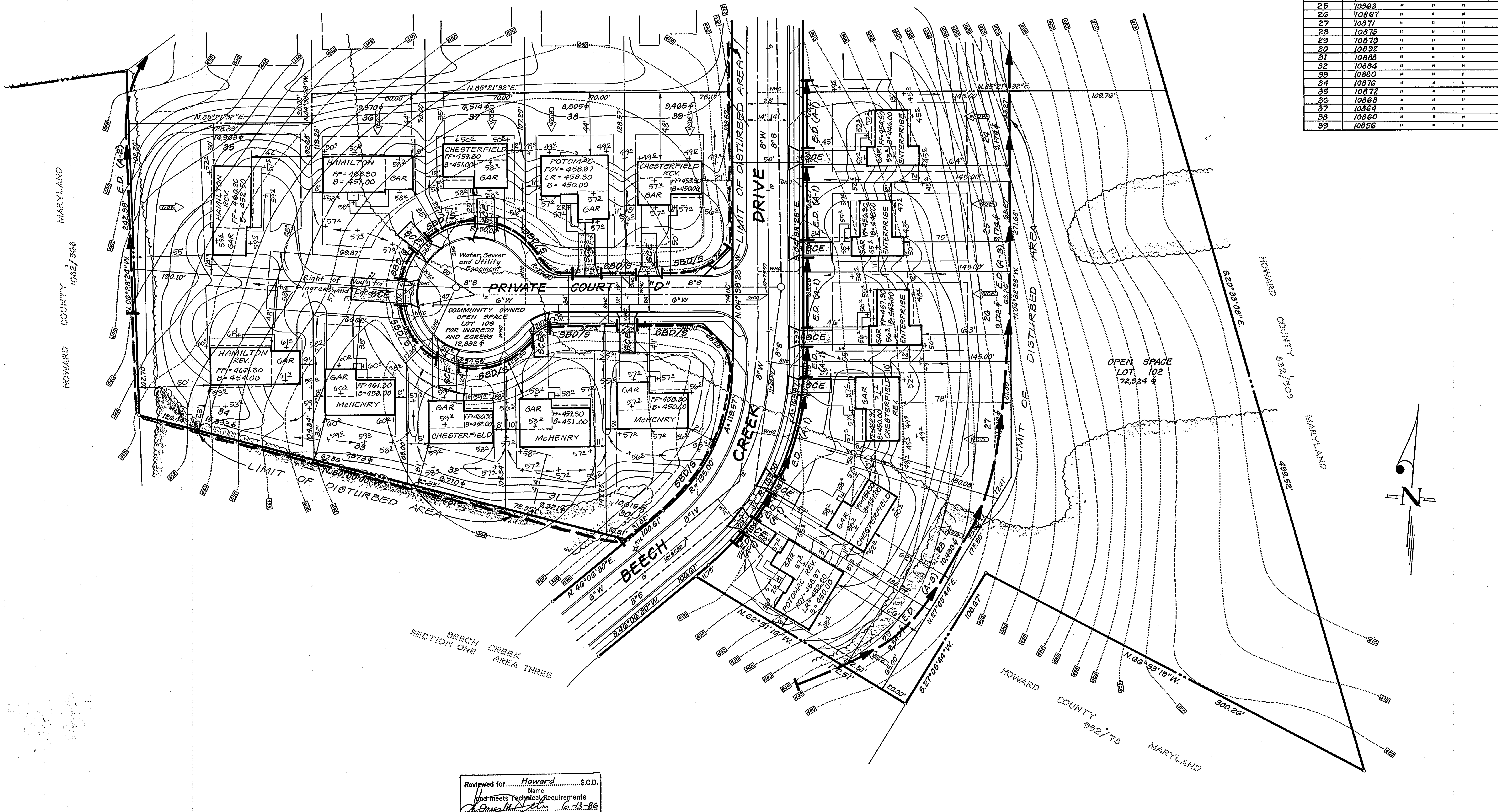
ENGINEER'S CERTIFICATE
 "I/We certify that this plan for Erosion and Sediment Control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District."
 Signature of Engineer: *[Signature]* Date: 6-22-86
 G. Nelson Clark
 PROFESSIONAL ENGINEER

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

DESIGNED GLB	SEDIMENT AND EROSION CONTROL PLAN LOTS 18 THRU 46 AND OPEN SPACE LOTS 99 THRU 102 BEECH CREEK SECTION 1 AREA 2 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND	SCALE 1" = 30'
DRAWN LAI		DRAWING 3 of 5
CHECKED GLB		JOB NO. 85-049
DATE 1-28-86		FILE NO. 85-049SE

FOR: THE RYLAND GROUP (Columbia Div)
 Waterview Office Center
 7130 Minutree Way, Suite 215
 Columbia, Maryland 21046
SDP - 86 - 159

LOT No.	STREET ADDRESS
24	10859 Beech Creek Drive
25	10863 " " "
26	10867 " " "
27	10871 " " "
28	10875 " " "
29	10879 " " "
30	10892 " " "
31	10888 " " "
32	10884 " " "
33	10880 " " "
34	10876 " " "
35	10872 " " "
36	10868 " " "
37	10864 " " "
38	10860 " " "
39	10856 " " "



APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,
HOWARD COUNTY HEALTH DEPARTMENT
James G. Hall 6-25-86
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
Thomas J. Aveny 6-26-86
PLANNING DIRECTOR DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE,
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
John F. Neuman 6-19-86
DIRECTOR DATE

William E. Ryan 6-15-86
CHIEF BUREAU OF ENGINEERING DATE

APPROVED
DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE **3-7-86**

Reviewed for... Howard S.C.D.
Name
and meets Technical Requirements
Stephen L. Hahn 6-13-86
Signature Date
U.S. Soil Conservation Service

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
Stephen L. Hahn 6/13/86
Approved Date

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 agency, as are deemed necessary."
Maurice M. Simpkins 2-5-86
Signature of Developer/Builder Date
MAURICE M. SIMPKINS

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 6-25-86
Date
G. Nelson Clark
STATE OF MARYLAND
REGISTERED PROFESSIONAL ENGINEER
NO. 7158

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

DESIGNED GLB	SEDIMENT AND EROSION CONTROL PLAN LOTS 18 THRU 46 AND OPEN SPACE LOTS 99 THRU 102 BEECH CREEK SECTION 1 AREA 2 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND FOR: THE RYLAND GROUP (Columbia Div) Waterview Office Center 7150 Minstrel Way, Suite 215 Columbia, Maryland 21045	SCALE 1"=30'
DRAWN LAI		DRAWING 4 of 5
CHECKED GLB		JOB NO. 85-049
DATE 1-28-80		FILE NO. 85-0495E

SDP-86-159

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, 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 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	6.36 Acres
Area Disturbed	6.508 Acres
Area to be roofed or paved	1.705 Acres
Area to be vegetatively stabilized	4.703 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 DEP 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 disturbances 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).
- 13) The total amount of straw bale dikes/silt fence equals L.F.

CONSTRUCTION SEQUENCE

	No. of Days
1. Obtain Grading Permit	2
2. Clear + Grub for Sediment Control Measures	1
3. Install Sediment and Erosion Control Measures	10
* 4. Clear, Rough Grade Site and Temporarily Stabilize	30
5. Construct Houses and Driveways	350
6. Fine Grade and Stabilize Site	80
7. Upon approval of the Sediment Control Inspector, remove Sediment Control Measures and Stabilize	5
* Rough Grade Back of Lots 19, 20 + 21 at a 1:1 slope to meet Trap.	

APPROVED
DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 3-7-86
[Signature]

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
[Signature] DATE 6-25-86
COUNTY HEALTH OFFICER
APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
[Signature] DATE 6-26-86
PLANNING DIRECTOR
[Signature] DATE 6-26-86
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
[Signature] DATE 6-19-86
DIRECTOR
[Signature] DATE 6-19-86
CHIEF BUREAU OF ENGINEERING

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 1 1/2 to 2 tons per acre (70 to 90 lbs/1000 sq ft) of rotted 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.

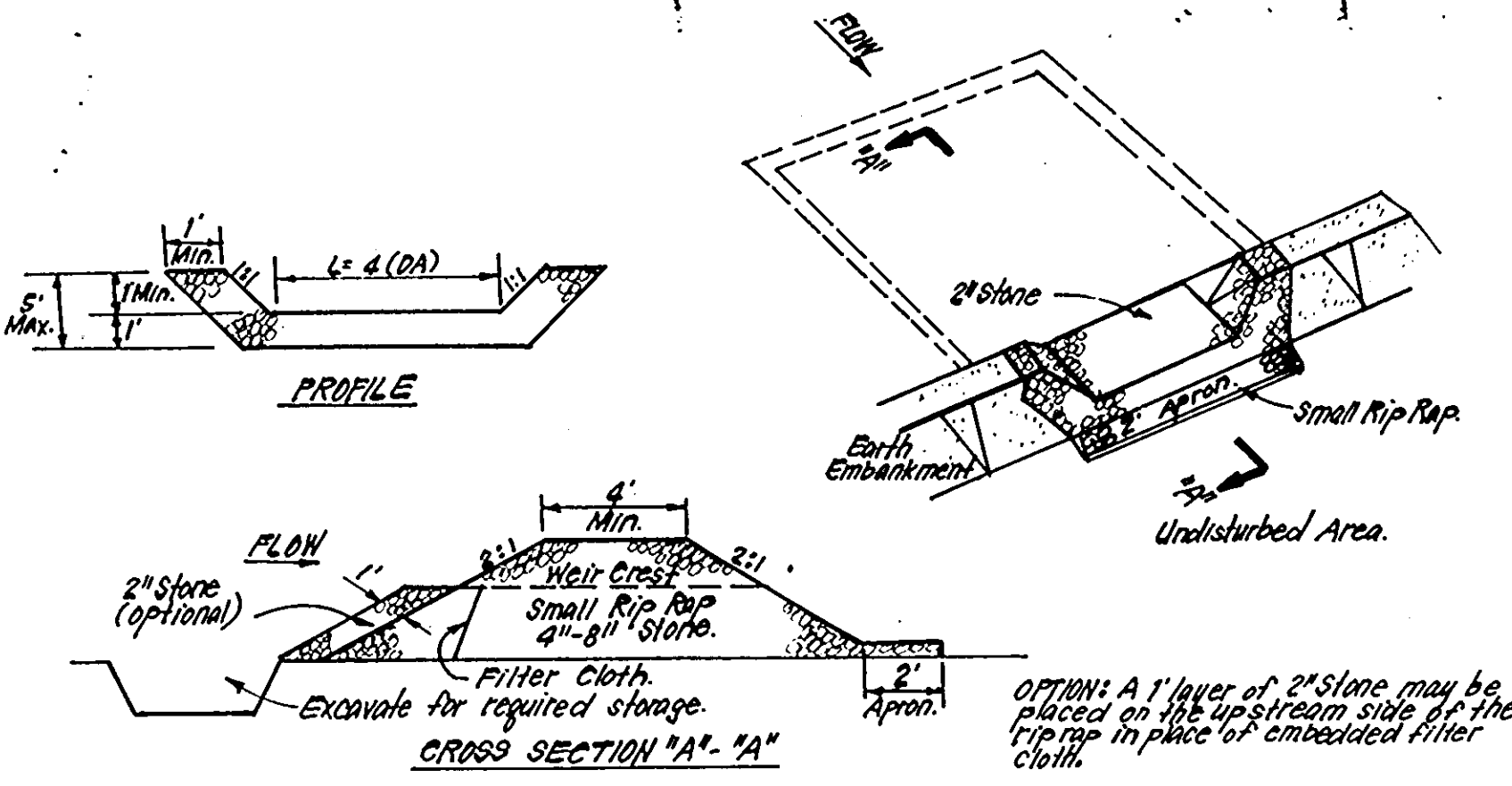
Seedbed Preparation: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding.

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 2 1/2 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 1 1/2 to 2 tons per acre (70 to 90 lbs/1000 sq ft) of rotted 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.



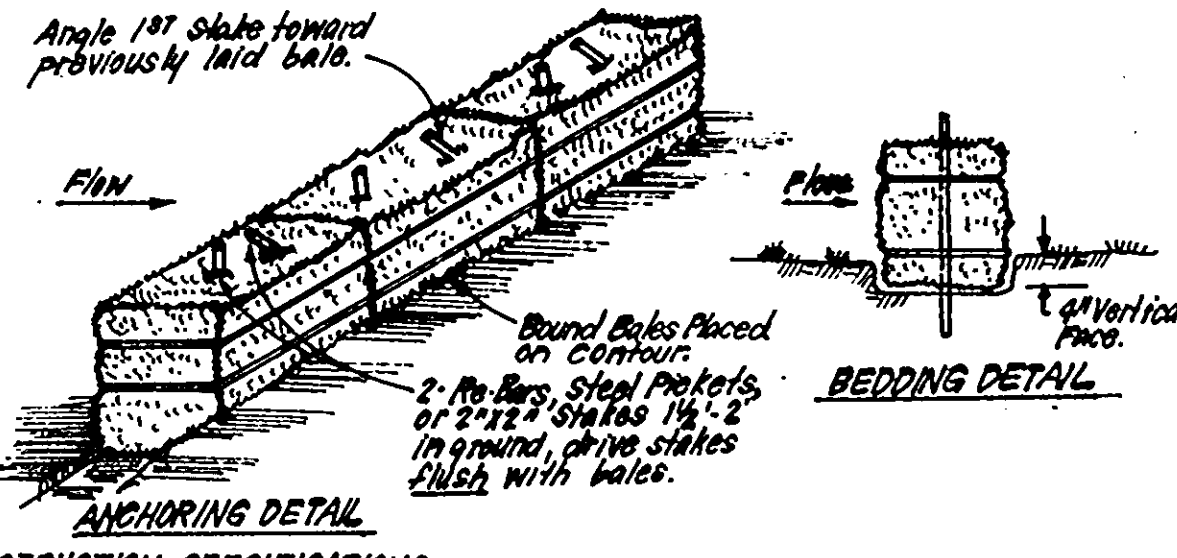
CONSTRUCTION SPECIFICATIONS:

1. Area under embankment shall be cleared, grubbed and stripped of any vegetation and root mat. The top area shall be cleared.
2. The fill material for the embankment shall be free of roots and other woody vegetation as well as oversized stones, rocks, organic material or other objectionable material. The embankment shall be constructed by traversing with equipment of which 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" along with 1" thickness of 2" aggregate placed on the up-grade side of the small rip rap or embedded filter cloth in the rip rap.
5. Sediment shall be removed and trap restored to its original dimensions when the sediment has accumulated to 1/2 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.S.T.) S.T.V.

Reviewed for: Howard S.C.D.
Name: [Signature]
Signature: [Signature]
U.S. Soil Conservation Service

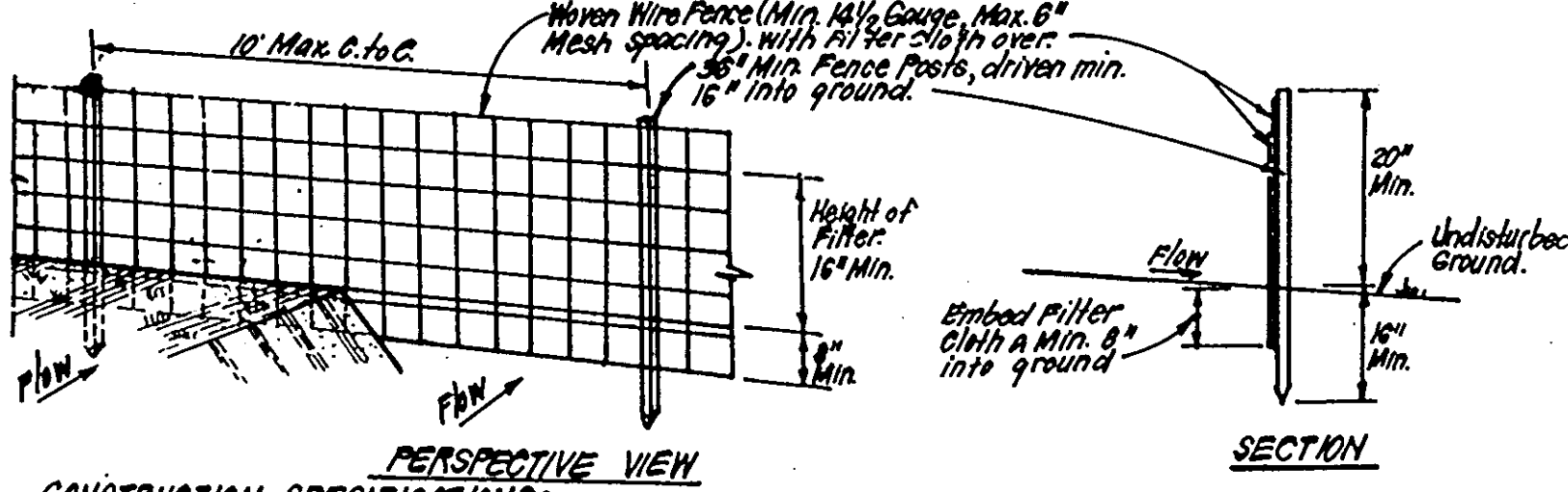
THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
[Signature] DATE 6/13/86
Approved



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 bindrips 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 stake shall be driven through 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.

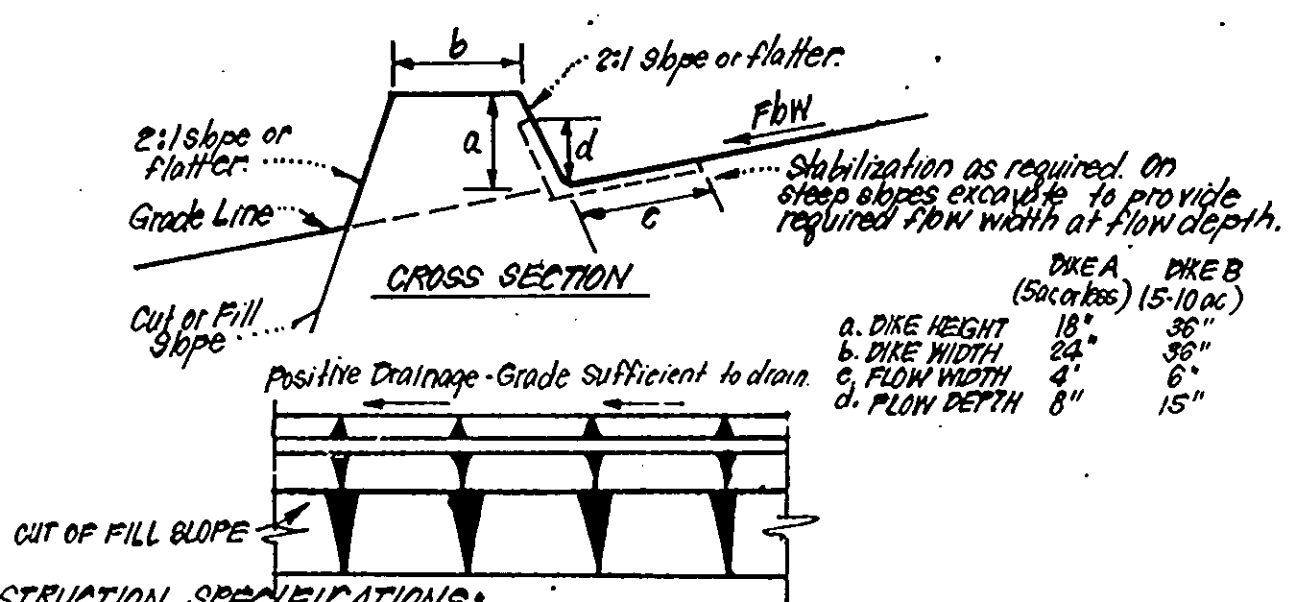
STRAW BALE DIKE DETAIL (SBD)



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 "ridges" develop in silt fence.

SILT FENCE DETAIL (S)



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 or straw mulch if not in seeding season, (B) flow channel as per chart below.

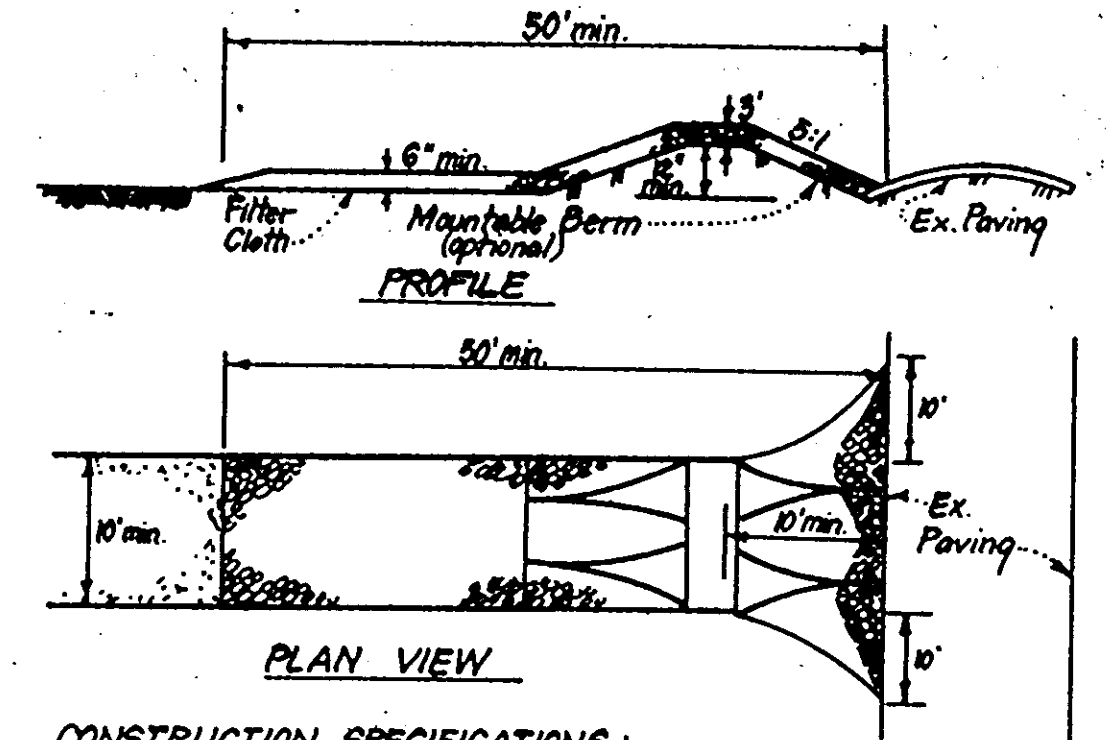
TYPE OF TREATMENT	CHANNEL GRADE	DIKE A	DIKE B
1	0.5 - 3.0%	Seed + Straw Mulch	Seed or Straw Mulch
2	3.1 - 5.0%	Seed + Straw Mulch	Seed + Straw or Excelsior; Sod; 2" Stone
3	5.1 - 8.0%	Seed + Straw or Sod; 2" Stone	Lined Rip Rap 4" x 8" Stone
4	8.1 - 20.0%	Lined Rip Rap 4" x 8" Stone	Engineering Design

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"-8" in a layer at least 8" thick, pressed into soil.
C. Approved equivalents can be substituted for any of the above materials.

EARTH DIKE DETAIL (E.D.)

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] DATE 2-5-86

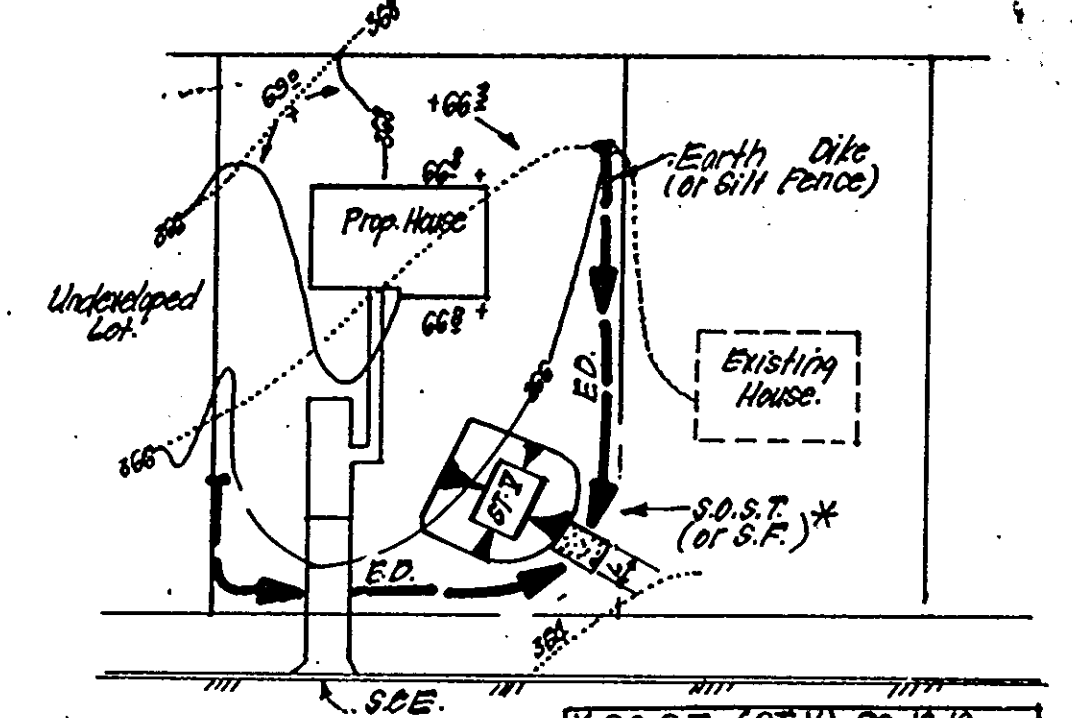
ENGINEER'S CERTIFICATE
I hereby certify that this plan for Erosion and Sediment Control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.
[Signature] DATE 6-26-86
G. Nelson Clark



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 of 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 clearing 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)



* 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

W.S.O.S.T. (S.T.V.)	Pg. 16, 18
LOT SIZE	VAR. VARS. 1 A.P.
DEPTH	2' 2' 8'
ENT. LENGTH	11' 28' 26'
ENT. WIDTH	11' 28' 26'
ENT. AREA	121 67 64

* Can be adjusted in field, but bottom area must be as given or greater

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

DESIGNED GLB	SEDIMENT AND EROSION CONTROL PLAN LOTS 18 THRU 40 AND OPEN SPACE LOTS 99 THRU 102 BEECH CREEK SECTION 1 AREA 2 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND	SCALE 1" = 30'
DRAWN LAI		DRAWING 5 of 5
CHECKED GLB		JOB NO. 85-049
DATE 1-28-86		FILE NO. 85-049SE
		FOR: THE RYLAND GROUP (Columbia Div.) Waterbury Office Center 7130 Mistral Way, Suite 215 Columbia, Maryland 21045

SDP-86-159