

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,  
HOWARD COUNTY HEALTH DEPARTMENT  
 COUNTY HEALTH OFFICER: *James B. Lewis* DATE: 12-21-87  
 APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING  
 PLANNING DIRECTOR: *John A. Smith* DATE: 12-31-87  
 CHIEF DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION: *John A. Smith* DATE: 11/28/87  
 APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE,  
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 DIRECTOR: *John A. Smith* DATE: 12/11/87  
 CHIEF BUREAU OF ENGINEERING: *John A. Smith* DATE: 12-21-87

APPROVED  
 DIVISION OF LAND DEVELOPMENT &  
 ZONING ADMINISTRATION  
 HOWARD COUNTY, MARYLAND  
 DATE 11-13-87  
*MS*

L.M. HOSTETLER  
 506/265  
 ZONE: B-2  
 E876.500  
 N 492,250

E876.500  
 N 492,250

<b>CLARK • FINEFROCK &amp; SACKETT, INC.</b> ENGINEERS • PLANNERS • SURVEYORS 7135 MINSTREL WAY • COLUMBIA, MD 21045 • (301) 381-7200 - BALTO • (301) 621-8100 - WASH		
DESIGNED ET	<b>SITE DEVELOPMENT PLAN</b> LOTS 54 THRU 126 <b>ROCKBURN COMMONS</b> SECTION THREE 131 ELECTION DISTRICT HOWARD COUNTY, MARYLAND FOR: THE RYLAND GROUP (COL. DIV.) 7130 MINSTREL WAY SUITE 215 COLUMBIA, MARYLAND 21045	SCALE 1"=30'
DRAWN RID		DRAWING 2017
CHECKED ET		JOB NO 87-039
DATE 4-16-87		FILE NO 87-039X



SDP - 88-13



**TRAP #1 SIST (ST III)**

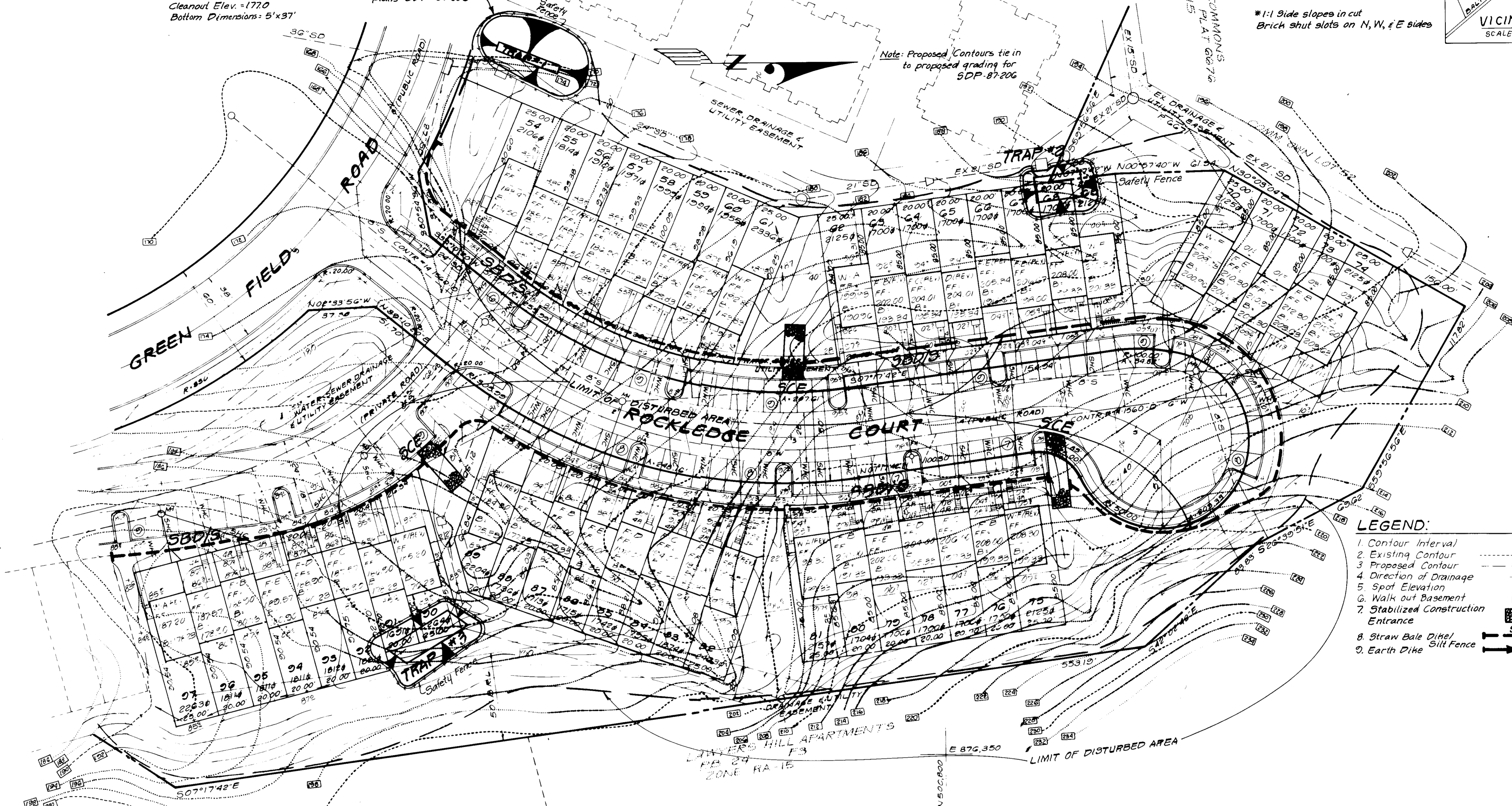
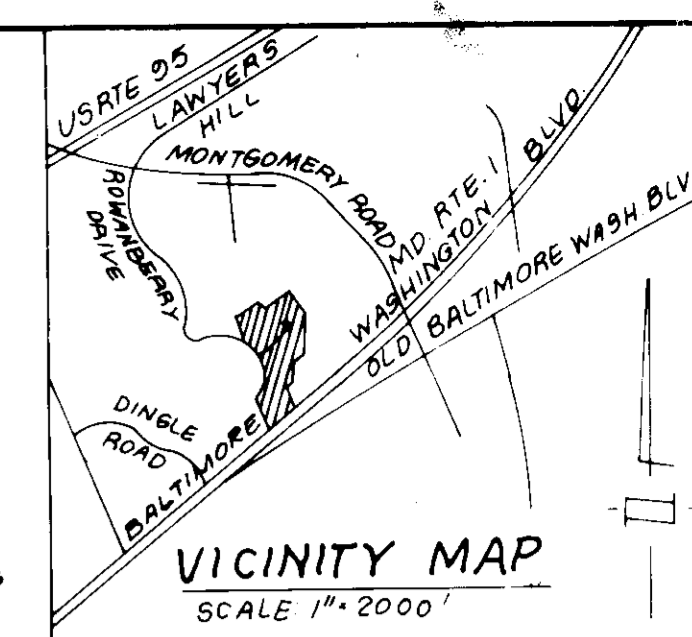
D.A. = 1.3 AC  
 Storage Req. = 1.3(1800) = 2340 CF  
 Storage Prov. = 2340 CF  
 Depth = 4'  
 Slot Elev. = 179.0  
 Bottom Elev. = 175.0  
 Cleanout Elev. = 177.0  
 Bottom Dimensions = 5' x 31'

Note: Existing Trap #1 to be utilized. See previously approved plans SDP-87-206

**TRAP #2 SIST (ST III)\***

D.A. = 1.2 AC  
 Storage Req. = 1.2 x 1800 = 2160 CF  
 Storage Prov. = 2160 CF  
 Depth = 4'  
 Slot Elev. = 195.0  
 Bottom Elev. = 191.0  
 Cleanout Elev. = 193.0  
 Bottom Dim. = 26' x 14'

\*1:1 Side slopes in cut  
 Brick shut slots on N, W, & E sides



- LEGEND:**
- 1. Contour Interval 2 FT
  - 2. Existing Contour
  - 3. Proposed Contour
  - 4. Direction of Drainage
  - 5. Spot Elevation
  - 6. Walk out Basement
  - 7. Stabilized Construction Entrance
  - 8. Straw Bale Dike / Silt Fence
  - 9. Earth Dike

APPROVED  
 DIVISION OF LAND DEVELOPMENT &  
 ZONING ADMINISTRATION  
 HOWARD COUNTY, MARYLAND  
 DATE 11-13-87

**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."

*Marcus W. Stimpf*  
 Signature of Developer/Builder  
 DATE 11/13/87

**TRAP #3 SIST (ST III)\***

D.A. = 1.7 AC  
 Storage Req. = 1.7 x 1800 = 3060 CF  
 Storage Prov. = 3060 CF  
 Depth = 4'  
 Slot Elev. = 181.0  
 Bottom Elev. = 177.0  
 Cleanout Elev. = 179.0  
 Bottom Dim. = 41' x 13'

\*1:1 Side slopes in cut  
 Brick shut slots on N, W, & S sides

Reviewed for HOWARD S.C.D.  
 Name  
 and meets Technical Requirements  
*James M. Nelson* 11-16-87  
 Signature Date  
 U.S. Soil Conservation Service

**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.



7-14-87  
 Date

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

*Stephen F. ...*  
 Approved 11-12-87  
 Date

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
 HOWARD COUNTY HEALTH DEPARTMENT  
*James H. ...* 11-21-87  
 COUNTY HEALTH OFFICER DATE

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING  
*...* 12-31-87  
 PLANNING DIRECTOR DATE

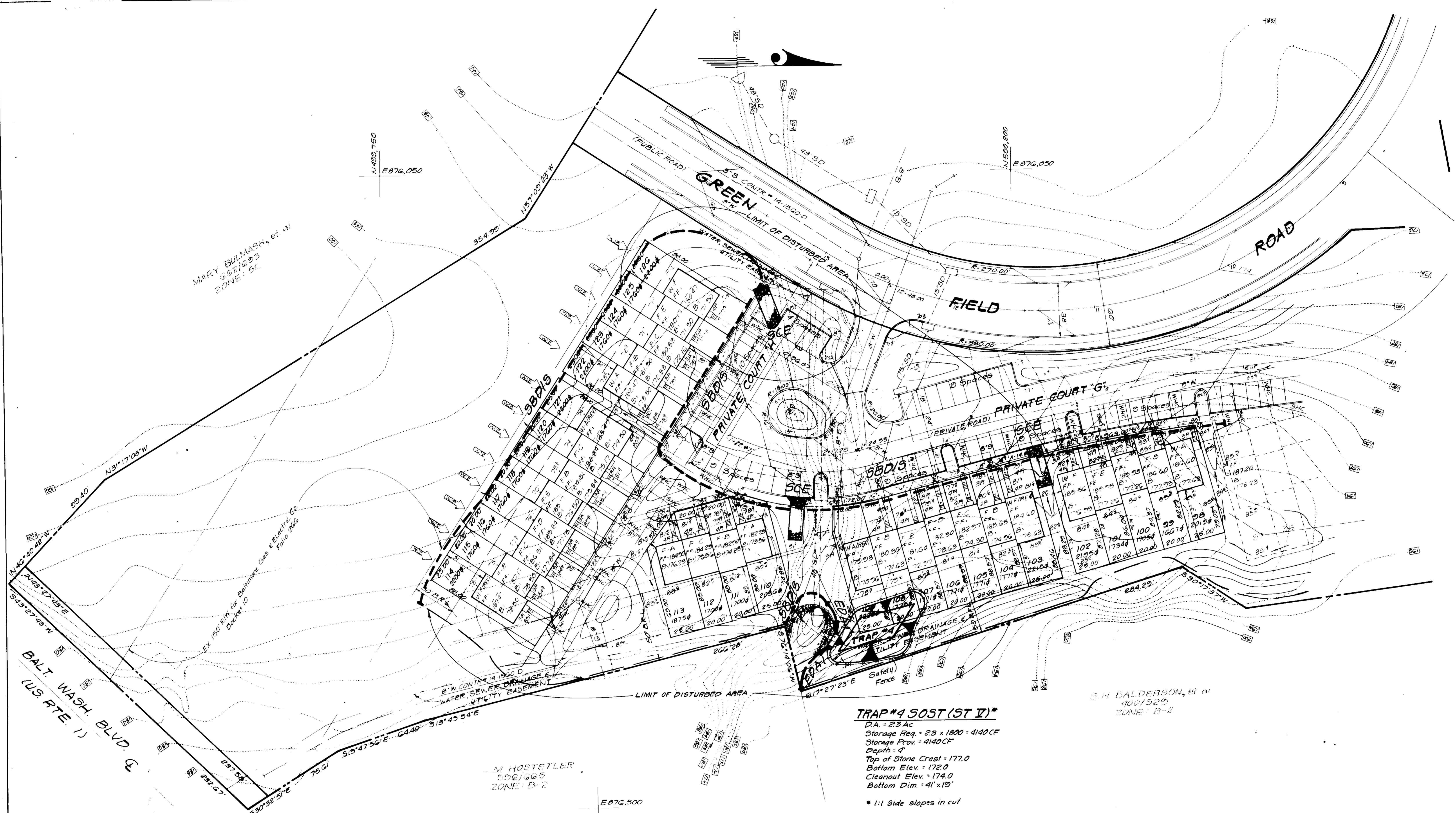
APPROVED DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION  
*...* 12-22-87  
 DATE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
*...* 12-21-87  
 DIRECTOR DATE

*...* 12-22-87  
 CHIEF BUREAU OF ENGINEERING DATE

<b>CLARK • FINEROCK &amp; SACKETT, INC.</b> ENGINEERS • PLANNERS • SURVEYORS 7130 MINSTREL WAY • COLUMBIA, MD 21045 • TEL: (301) 271-1100 • FAX: (301) 271-1101		SCALE 1" = 30'
DESIGNED JLS	<b>SEDIMENT AND EROSION CONTROL PLAN</b> LOTS 59 THRU 126	
DRAWN RJD	<b>ROCKBURN COMMONS</b> SECTION THREE 18 <sup>TH</sup> ELECTION DISTRICT HOWARD COUNTY, MARYLAND	
CHECKED JLS	JOB NO 87-099	
DATE 4-16-87	FILE NO 87099SE	





APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
 HOWARD COUNTY HEALTH DEPARTMENT  
 COUNTY HEALTH OFFICER: *James H. Boyd* DATE: 12-21-87

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING  
 PLANNING DIRECTOR: *Walter* DATE: 12-31-87  
 DEPUTY DIRECTOR: *James Keith* DATE: 12-22-87

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE,  
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 DIRECTOR: *James* DATE: 12-21-87  
 CHIEF BUREAU OF ENGINEERING: *Walter* DATE: 12-21-87

APPROVED  
 DIVISION OF LAND DEVELOPMENT &  
 ZONING ADMINISTRATION  
 HOWARD COUNTY, MARYLAND  
 DATE: 11-13-87

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."

*Maureen M. Swabbers* DATE: 6/16/87  
 Signature of Developer/Builder Date

Reviewed for HOWARD COUNTY SCD  
 Name: *James H. Boyd*  
 Signature: *James H. Boyd* Date: 12-16-87  
 U.S. Soil Conservation Service

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

*James H. Boyd* DATE: 12-16-87  
 Approved Date

TRAP #4 SOST (ST II)\*  
 D.A. = 2.3 Ac  
 Storage Req = 2.3 x 1800 = 4140 CF  
 Storage Prov = 4140 CF  
 Depth = 4'  
 Top of Stone Crest = 177.0  
 Bottom Elev. = 172.0  
 Cleanout Elev. = 174.0  
 Bottom Dim = 4' x 19'

\* 1:1 Side slopes in cut

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: 7-14-87  
 Signature Date

<b>CLARK • FINEROCK &amp; SACKETT, INC.</b> ENGINEERS • PLANNERS • SURVEYORS 714 MINSTREL WAY • COLUMBIA, MD 21046 • 410-720-1812 • BALTO. • 410-528-1100 • WASH.		SCALE 1" = 30'
DESIGNED JLS	<b>SEDIMENT AND EROSION CONTROL PLAN</b> LOTS 54 THRU 126	DRAWING 4 of 7
DRAWN RJD	<b>ROCKBURN COMMONS</b> SECTION THREE 137 ELECTION DISTRICT HOWARD COUNTY, MARYLAND	JOB NO. 87-039
CHECKED JLS	FOR: THE RYLAND GROUP (COL DIV) 7130 MINSTREL WAY SUITE 215 COLUMBIA, MARYLAND 21045	FILE NO. 87-039SE
DATE 4-16-87	SDP-88-13	



**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 redistribution, 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) soil (Sec. 52), 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	3.15 Acres
Area Disturbed	2.84 Acres
Area to be roofed or paved	1.18 Acres
Area to be vegetatively stabilized	3.60 Acres
Total Cut	16,902 Cu. Yds
Total Fill	2,154 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-Built" basis, at random, Single Lot Sediment Control as shown below shall be implemented. N/A
- 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 2220 L.F.

**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 sq ft) and 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq ft) before seeding. Harrow or disc into upper three inches of soil. At time of seeding, apply 400 lbs per acre 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 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.

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

**TEMPORARY SEEDING NOTES**

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

**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)

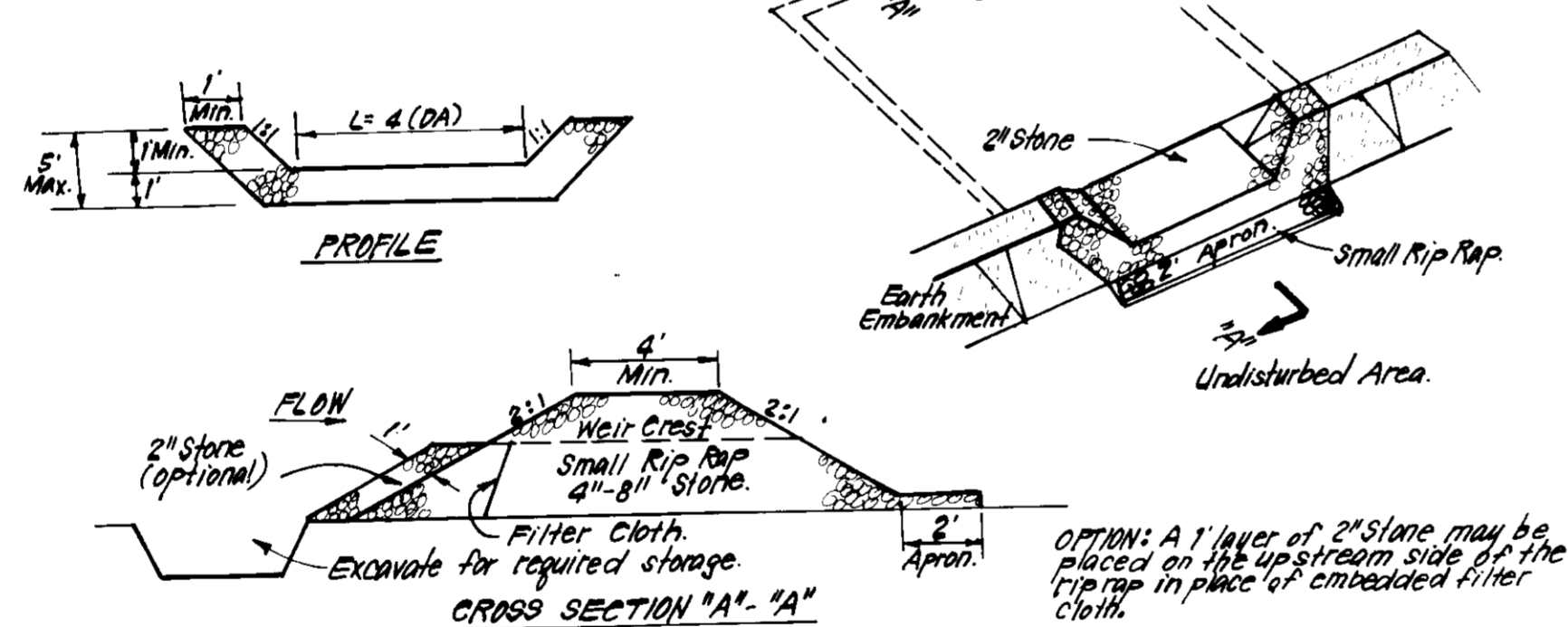
**Seeding -** For periods March 1 thru April 30 and from August 15 thru November 15, seed with 2 1/2 bushel per acre of annual rye (3.2 lbs/1000 sq ft). For the period May 1 thru August 14, seed with 3 lbs per acre of weeping lovegrass (.07 lbs/1000 sq ft). For the period November 16 thru February 28, 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 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 SEQUENCE:**

ACTION	DAYS
A. Obtain Grading Permit and Install Sediment and Erosion Control Devices and Stabilize.	5
B. Excavate for foundations and Rough Grade & Temporarily Stabilize.	60
C. Construct Structures, Sidewalks and Driveways.	100
D. Final Grade and stabilize in accordance with Stds. & Specs.	30
E. Upon approval of the sediment control inspector, remove sediment and erosion controls and stabilize.	14



**CONSTRUCTION SPECIFICATIONS:**

1. Area under embankment shall be cleared, grubbed and stripped of any vegetation and root mat. The top surface shall be compacted.
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 compacted 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 outlet 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.) ST.V.**  
NO SCALE

APPROVED  
DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION  
HOWARD COUNTY, MARYLAND  
DATE 11-13-87

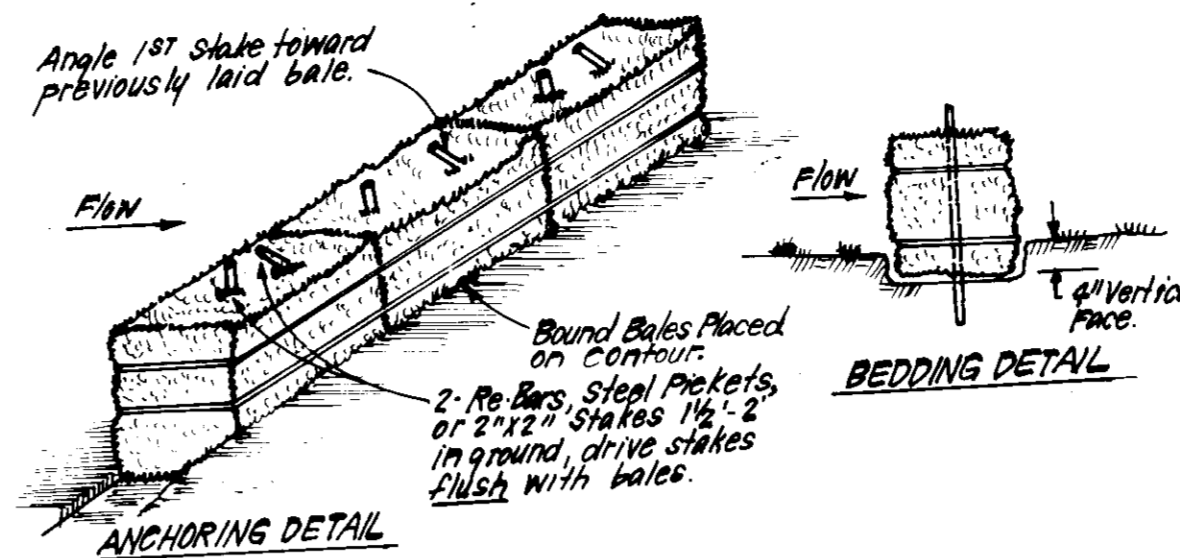
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT  
 COUNTY HEALTH OFFICER: [Signature] DATE: 12-21-87  
 APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING  
 PLANNING DIRECTOR: [Signature] DATE: 12-31-87  
 CHIEF DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION: [Signature] DATE: 12/29/87  
 APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 DIRECTOR: [Signature] DATE: 12-21-87  
 CHIEF BUREAU OF ENGINEERING: [Signature] DATE: 12-21-87

**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: [Signature] Date: 1/18/87

**ENGINEER'S CERTIFICATE**

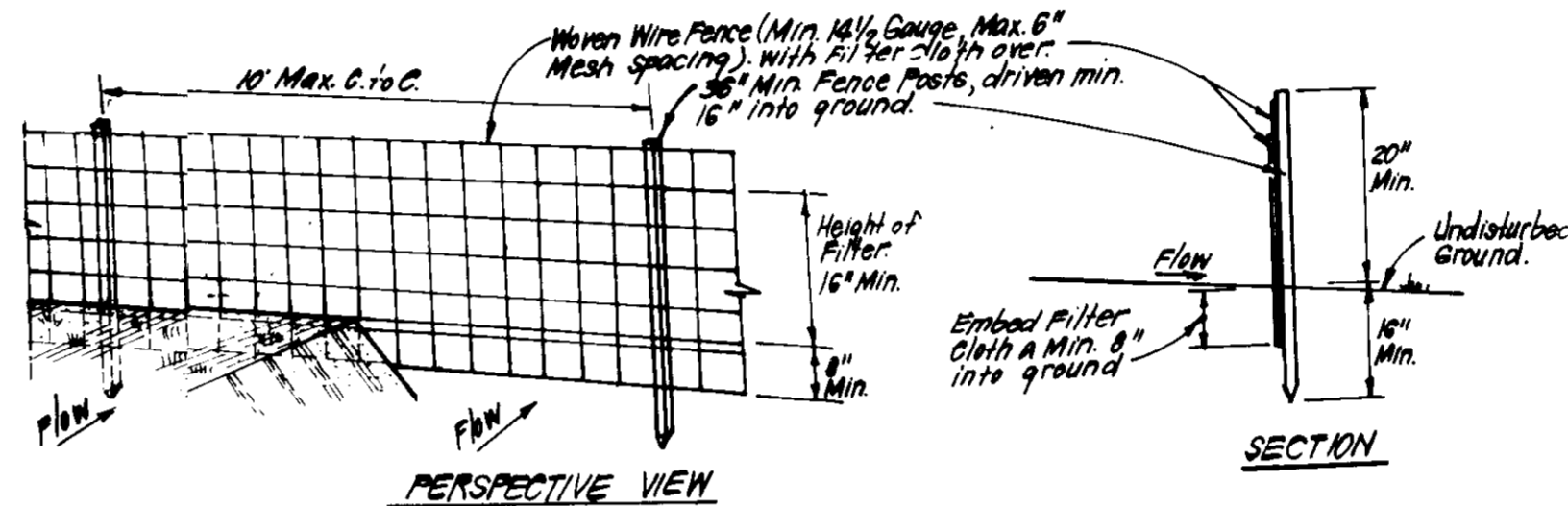
"I hereby certify that this plan for Erosion and Sediment Control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District."  
 G. Nelson Clark Date: 7-14-87



**CONSTRUCTION SPECIFICATIONS:**

1. Bales shall be placed on 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 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

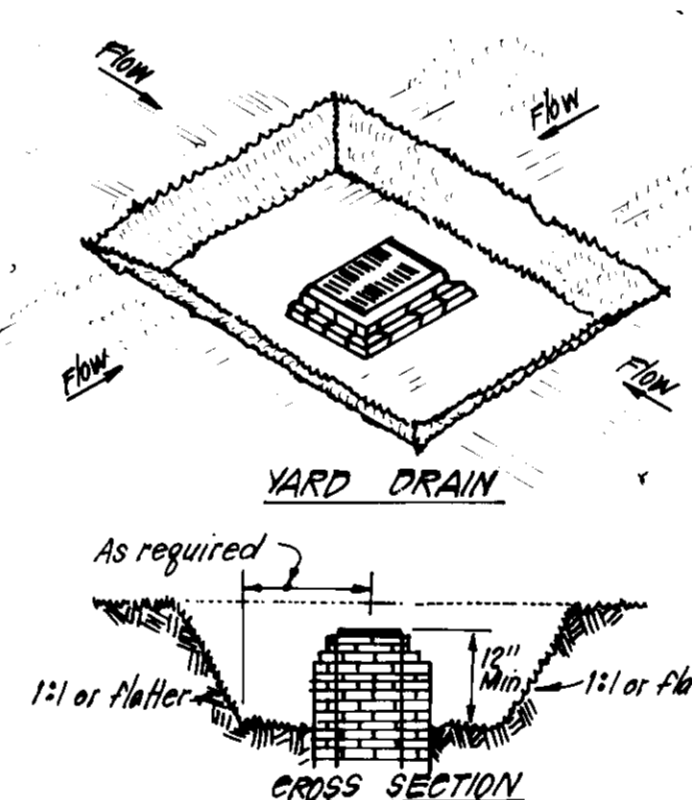


**CONSTRUCTION SPECIFICATIONS:**

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 36" at top and mid section.
3. When 2 sections of filter cloth adjoin each other they shall be overlapped by 6" and stapled.
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, 1 1/2 Gauge  
 FILTER CLOTH: Filter Cloth, Miraflex 100X, Stabilink, T150N or Approx. equiv.  
 PREFABRICATED UNITS: Geotext, Envirofence, or Approx. equiv.

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



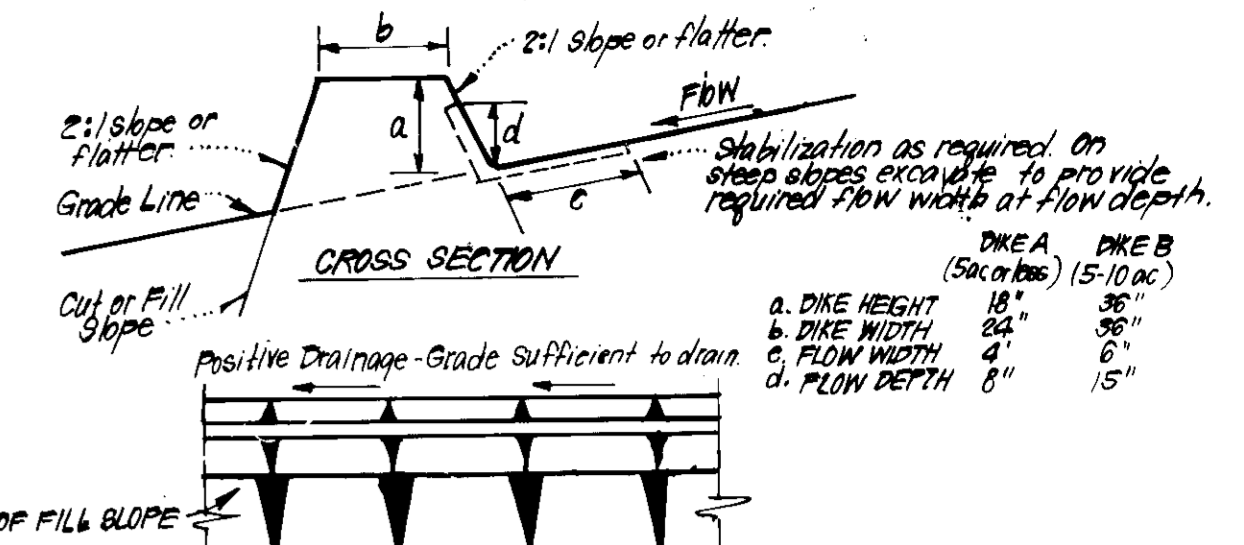
**CONSTRUCTION SPECIFICATIONS:**

1. Sediment shall be removed and the trap restored to its original dimensions when sediment has accumulated to 1/2 the design depth of the trap. Removed sediment shall be deposited in a suitable area and in such a manner that it will not erode.
2. The volume of sediment storage shall be 1000 cu. ft./acre of contributing drainage.
3. The structure shall be inspected after each rain and repairs made as needed.
4. Construction operations shall be carried out in such a manner that erosion and water pollution shall be minimized.
5. The sediment trap shall be removed and the area stabilized when the constructed drainage area has been properly stabilized.
6. All cut slopes shall be 1:1 or flatter.

**STORM INLET SEDIMENT TRAP (S.I.S.T.) ST III**  
NO SCALE

Reviewed for... HOWARD... S.C.D.  
 and meets Technical Requirements  
 Date: 12-16-87  
 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: [Blank]



**CONSTRUCTION SPECIFICATIONS:**

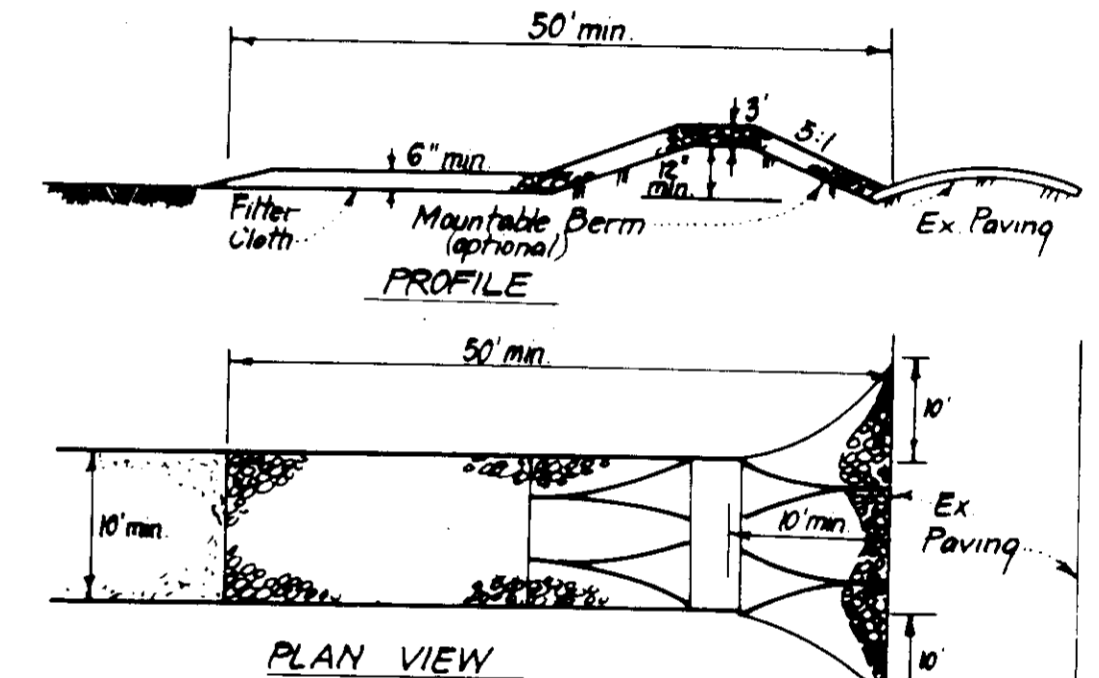
1. All dikes shall be constructed by earth-moving equipment.
2. All dikes shall have positive drainage to an outlet.
3. Top width may be wider and side slopes may be flatter if desired, to facilitate crossing by construction traffic.
4. Field location should be adjusted as needed to utilize a stabilized 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.

**FLOW CHANNEL STABILIZATION**

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 white, or Excelsior; Sod, 2" Stone
3	5.1 - 8.0%	Seed white, or Sod; 2" Stone	Lined Rip Rap 4"-8" Stone
4	8.1 - 20.0%	Lined Rip Rap 4"-8" Stone	Engineering Design

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



**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) 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 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 cleanup 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

CLARK • FINEPROCK & SACKETT, INC.  
 ENGINEERS • PLANNERS • SURVEYORS  
 7135 MINISTREL WAY • COLUMBIA MD 21045 • (301) 381-7500 - BALTO • (301) 621-8100 - WASH  
 DESIGNED: JLS  
 DRAWN: PDM  
 CHECKED: JLS  
 DATE: JUNE, 1987  
 SEDIMENT AND EROSION CONTROL PLAN  
 LOTS 54 THRU 126  
 ROCKBLIRN COMMONS  
 SECTION THREE  
 1ST ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND  
 FOR THE RYLAND GROUP (COL. DIV.)  
 7130 MINISTREL WAY SUITE 215  
 COLUMBIA, MARYLAND 21045  
 SCALE: 1" = 30'  
 DRAWING: 5 OF 7  
 JOB NO: 87-099  
 FILE NO: 87-099SE  
 5DP-88-13



# PLANT SCHEDULE

KEY	PLANT NAME	SIZE	QUANT	REMARKS
PREVIOUSLY APPROVED STREET TREES (Road Construction Plans 84-071.D)				
●	Acer Rubrum 'Red Sunset' Red Sunset Maple	2 1/2" Cal Min.	33	B & B Heavy Heads
●	Quercus Rubra Northern Red Oak	"	23	"
●	Quercus Phellos Willow Oak	"	13	"
INDIVIDUAL LOT PLANTING				
⊕	Acer Rubrum 'Red Sunset' Red Sunset Maple	2-2 1/2" Cal Min.	22	B & B Heavy Heads
⊕	Quercus Rubra Northern Red Oak	"	20	"
⊕	Pinus Strobus Eastern White Pine	"	35	"
⊕	Morus Snowcloud Snowcloud Crabapple	2-2 1/2" Cal 8-10' Ht.	21	B & B Heavy Heads
⊕	Prunus Serr. 'Kwanzan' Kwanzan Cherry	"	25	"

NOTE: Contractor shall verify location of all underground utilities prior to digging.  
All planting shall be done in accordance with attached specifications.  
Substitutions may be permitted with the approval of the Landscape Architect (621-8100).

APPROVED  
DIVISION OF LAND DEVELOPMENT &  
ZONING ADMINISTRATION  
HOWARD COUNTY, MARYLAND  
DATE 11-13-87

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

*John B. Bynum* 12-21-87  
COUNTY HEALTH OFFICER DATE

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING

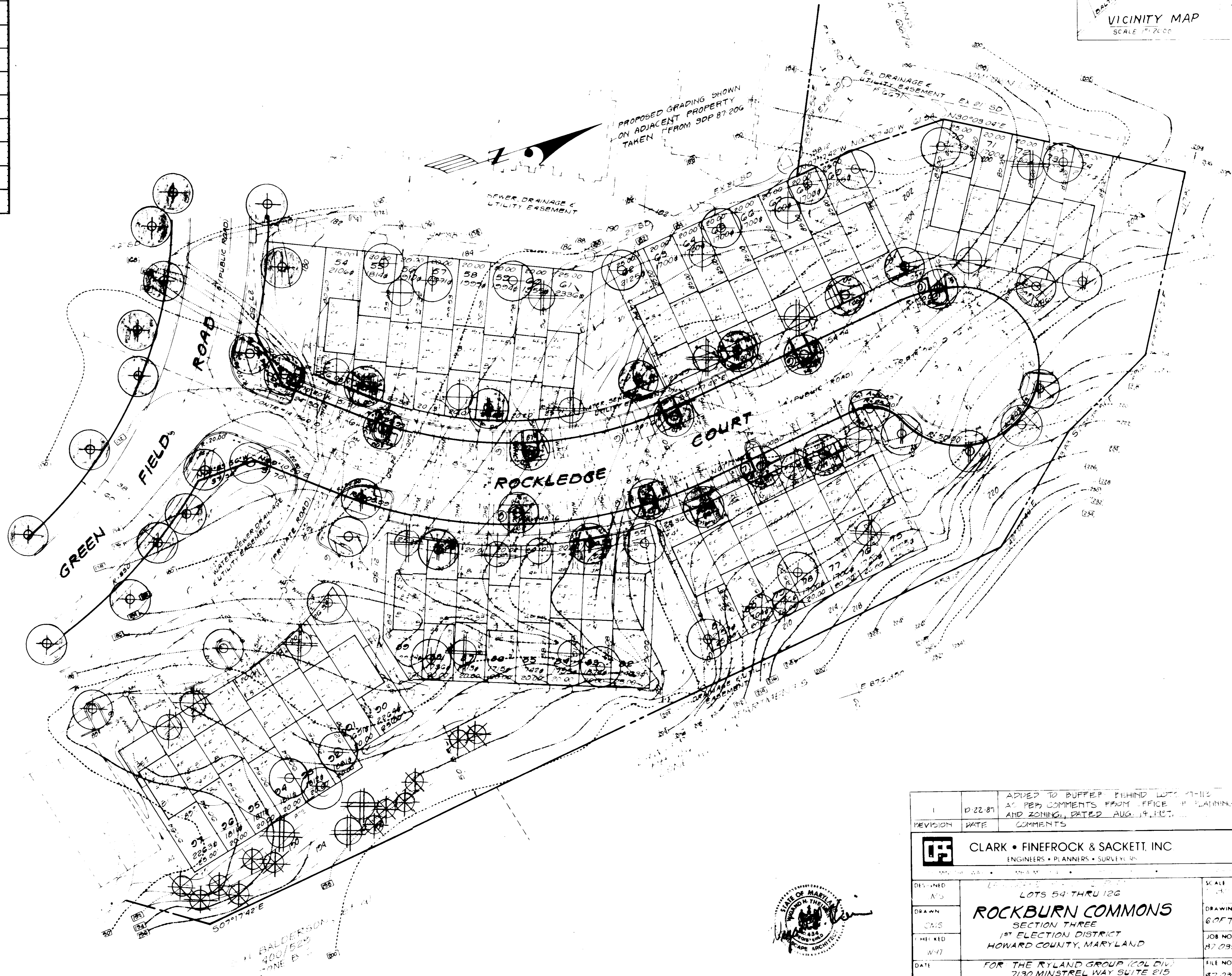
*William J. ...* 12-31-87  
PLANNING DIRECTOR DATE

*James R. ...* 12/28/87  
CHIEF DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION DATE

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

*James H. ...* 12/14/87  
DIRECTOR DATE

*William J. ...* 12-21-87  
CHIEF BUREAU OF ENGINEERING DATE

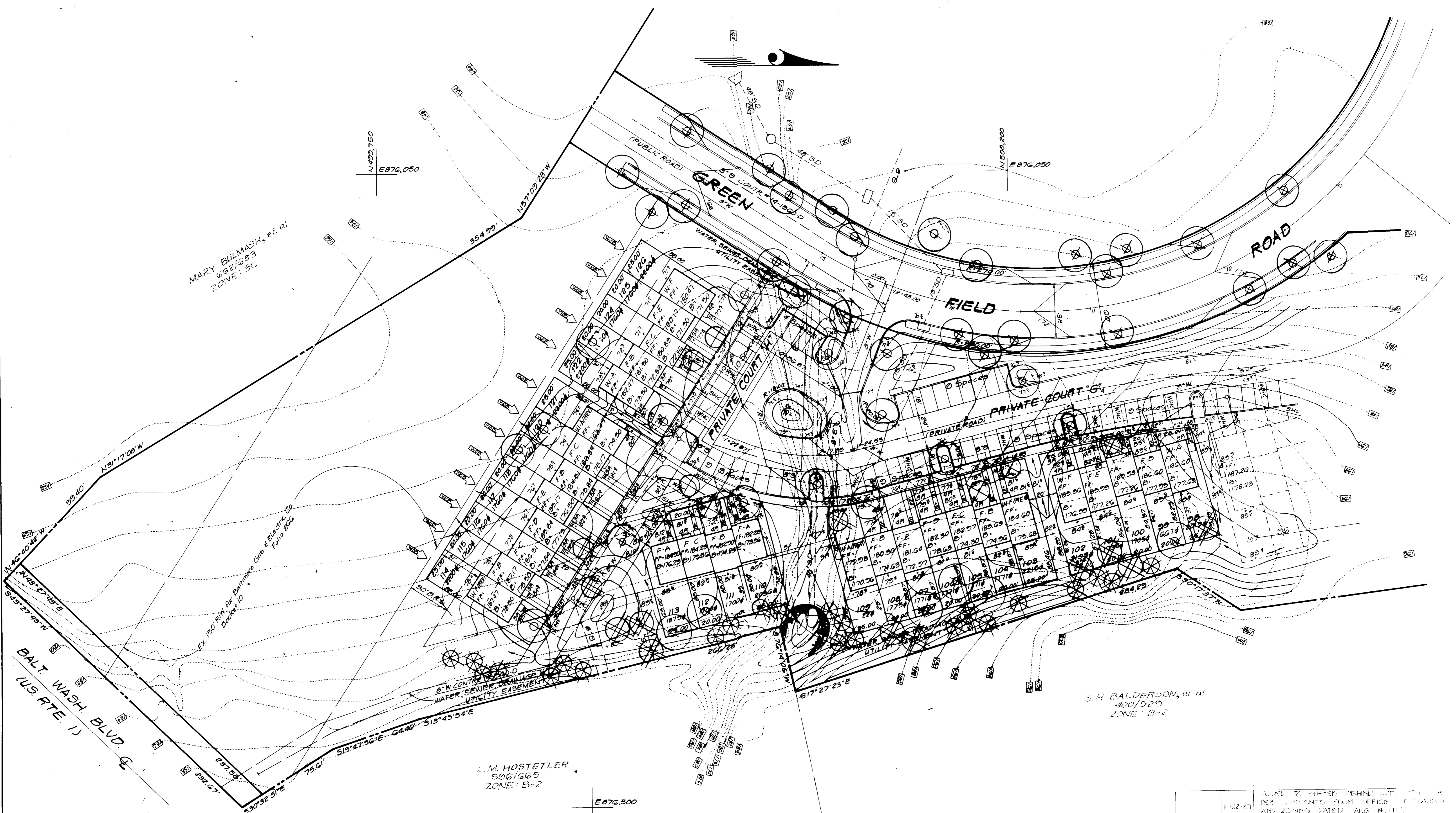


REVISION	DATE	COMMENTS
1	10-22-87	ADDED TO BUFFER FISHING LOTS 11-13 AS PER COMMENTS FROM OFFICE OF PLANNING AND ZONING, DATED AUG. 19, 1987.

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

DIST. NO.	LOT 54 THRU 126	SCALE
DRAWN	<b>ROCKBURN COMMONS</b>	DRAWING
CMS	SECTION THREE	6.057
PREPARED	1 <sup>ST</sup> ELECTION DISTRICT	JOB NO
DATE	HOWARD COUNTY, MARYLAND	87-039
7-10-	FOR THE RYLAND GROUP (COL DIV.)	FILE NO
	7130 MINSTREL WAY SUITE 215	87-039
	COLUMBIA, MARYLAND 21045	





MARY BULMASH, et al  
882/893  
ZONE: SC

S.H. BALDERSON, et al  
400/520  
ZONE: B-2

L.M. HOSTETLER  
886/665  
ZONE: B-2

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT  
*James E. Boyer*  
COUNTY HEALTH OFFICER  
DATE: 13-21-87

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING  
*W. J. ...*  
PLANNING DIRECTOR  
DATE: 12-31-87

APPROVED: DIVISION OF LAND DEVELOPMENT  
AND ZONING ADMINISTRATION  
*...*  
DATE: 11-28-87

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE,  
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
*...*  
DIRECTOR  
DATE: 11-21-87

CHIEF BUREAU OF ENGINEERING  
*...*  
DATE: 12-1-87

APPROVED  
DIVISION OF LAND DEVELOPMENT &  
ZONING ADMINISTRATION  
HOWARD COUNTY, MARYLAND  
DATE: 11-13-87

DESIGNED	1/22/87	NOTE: TO SUPPORT PERMITS FOR THE DESIGNERS FROM OFFICE OF PLANNING AND ZONING, DATED AUG. 8, 1987.	SCALE 1"=30'
DRAWN			DRAWING 70X7
CHECKED			JOB NO. 87-089
DATE			FILE NO. 87-089
7135 MINSTREL WAY • COLUMBIA, MD. 21045 • (301) 381-7200 • BALTO. • (410) 381-1000 • WASH.			
<b>CLARK • FINEFROCK &amp; SACKETT, INC.</b> ENGINEERS • PLANNERS • SURVEYORS			
DESIGNED: <i>...</i> DRAWN: <i>...</i> CHECKED: <i>...</i> DATE: <i>...</i>			
LOTS 54 THRU 126 <b>ROCKBURN COMMONS</b> SECTION THREE 1ST ELECTION DISTRICT HOWARD COUNTY, MARYLAND			
FOR: THE RYLAND GROUP (COL. DIV.) 7130 MINSTREL WAY, SUITE 215 COLUMBIA, MARYLAND 21045			



SDP-88-13