

GENERAL NOTES

1. Subject property zoned R-20 as per Comprehensive Zoning Plan dated 8-2-85.
2. The coordinates show here on are based on the The Maryland State Grid System, and derived from the following Howard County Control Stations 2644004 and 2644005.
3. All roadways are public and existing.
4. Total area included in this submission, 7.656 Acres.
5. Total number of lots: 20.
6. Any damage to county owned right-of-ways to be corrected at the Developers expense.
7. Maximum lot coverage is 30%.
8. Reference plan numbers S-87-26, P-87-58, F-88-273 and WP 88-58 *
 * (A waiver petition to reduce the minimum public road frontage to 13.33 Feet from lots No. 187-189 of the preliminary plan. And the waiver position was denied.)
9. The Contractor or Developer shall contact the Construction/Inspection Survey Division, 24 hours in advance of commencement of work, at 792-2630.
10. The existing topography shown was taken from approved Road Construction Plans prepared by Fisher, Collins & Carter, Inc. F 88-273.
11. Improvement of property: Single Family Density Units.
12. The wetland buffer indicated on this plan does not effect the initial construction of a residential unit on a lot if it does prohibit subsequent clearing, grading, or construction in the buffer area. Maintenance of residences, landscaping and utilities is permitted.
13. Stormwater Management Provided Under F88-273.

SPECIAL NOTES

1. All road construction, storm drainage facilities and public water and sewer are shown for reference only. Use approved Howard County plans for all phases of construction.

Lot No.	Gross Area	Flood Plain	Pipe Stem	Ex Steep Slope Area to remain undisturbed	Net Lot Area	Created Steep Slope Area	+ up to 10% Min. Lot Size Credit for created steep slope	Min Lot Size
125	14,056	N/A	N/A	N/A	14,056	525	525	14,056
128	15,275	N/A	N/A	N/A	15,275	112	112	15,275
129	20476	N/A	2300	N/A	18,176	1304	1304	18,176
131	17802	N/A	N/A	N/A	17,802	1153	1153	17,802
132	21,632	N/A	N/A	N/A	21,632	742	742	21,632

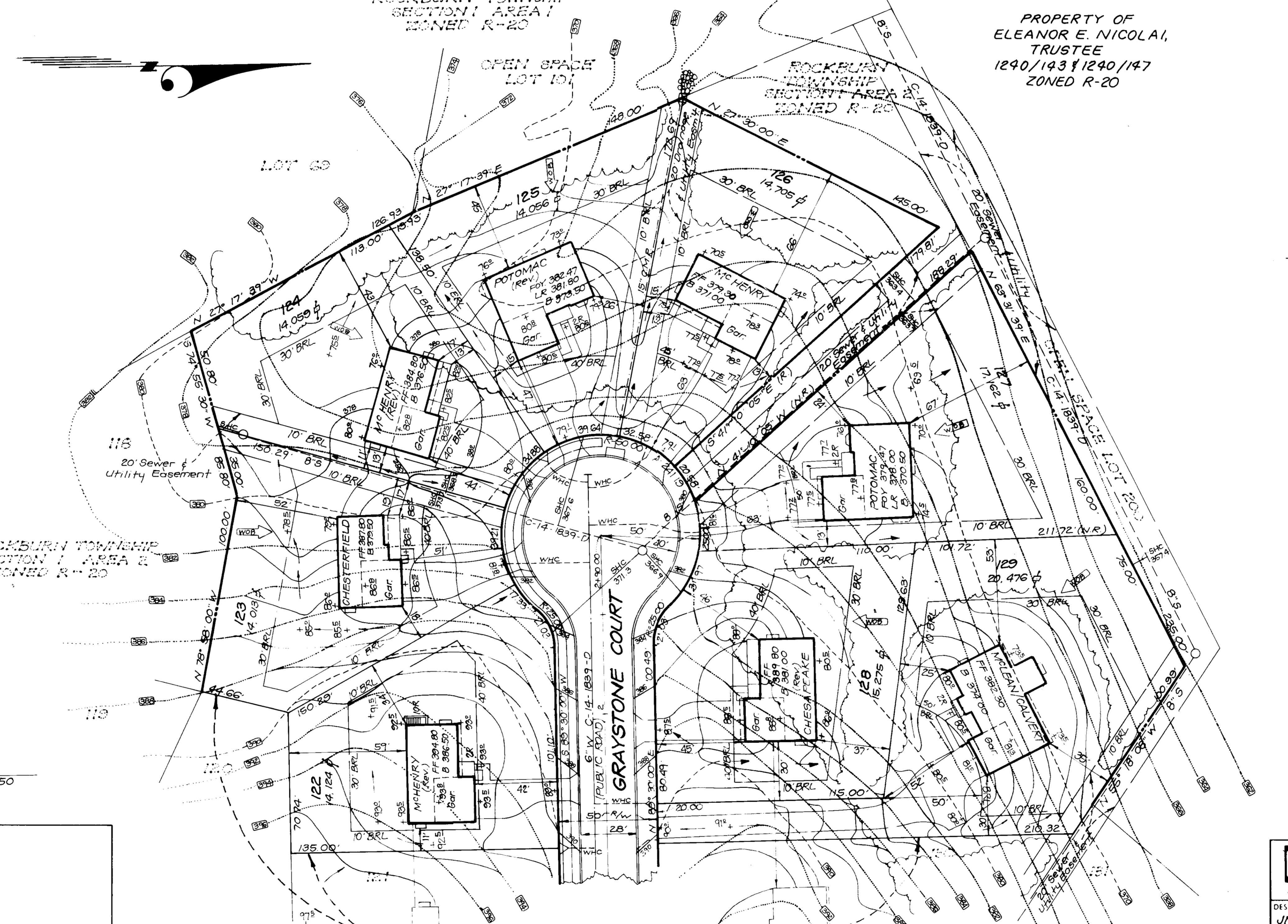
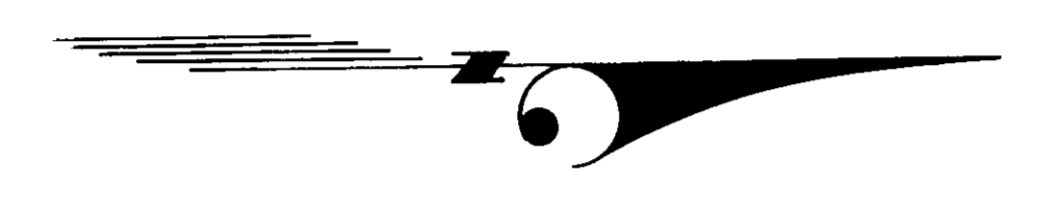
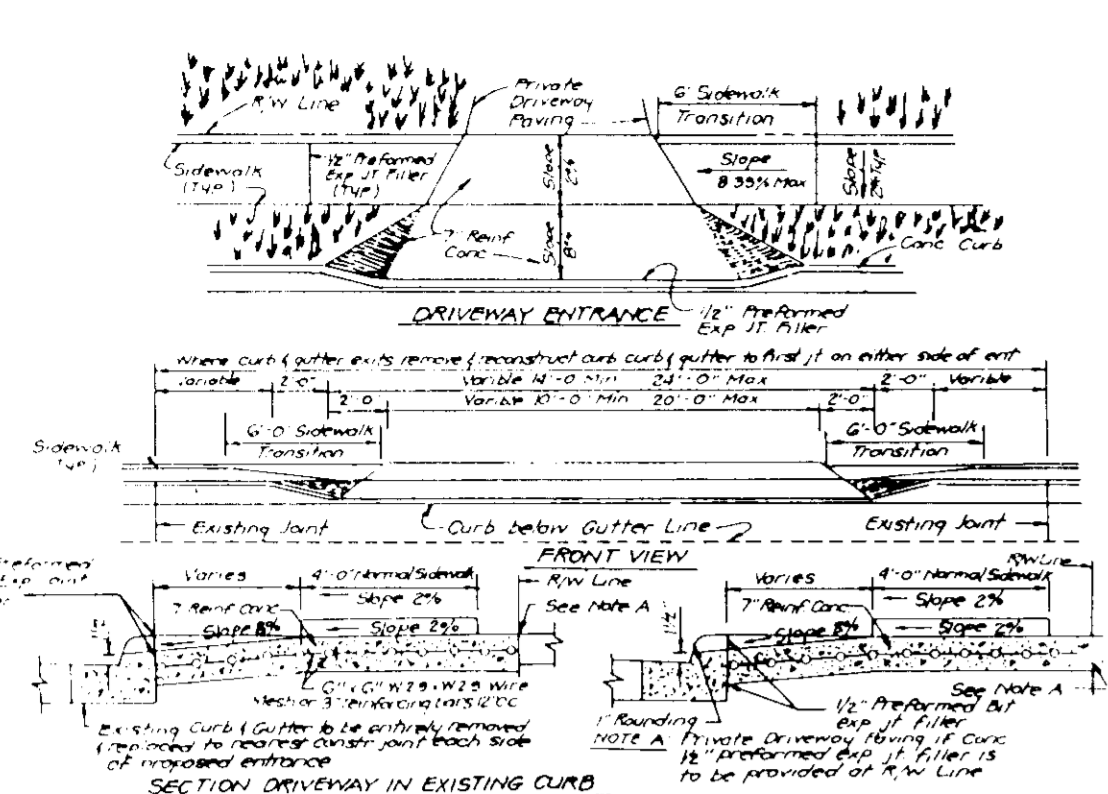
ADDRESS CHART

LOT NO.	STREET ADDRESS
120	7705 MILLSTONE COURT
121	7700 " "
122	7707 GRAYSTONE COURT
123	7711 " "
124	7715 " "
125	7719 " "
126	7718 " "
127	7714 " "
128	7710 " "
129	7706 " "
130	7719 MILLSTONE COURT
131	7719 " "
132	7723 " "
133	7730 " "
134	7726 " "
135	7720 " "
136	7716 " "
137	7712 " "
138	7708 " "
139	7704 " "

VICINITY MAP
Scale 1" = 2000'

LEGEND

- Contour Interval 2 FT
- Existing Contour
- Proposed Contour
- Spot Elevation +10'
- Direction of Drainage
- Walk out Basement
- Ex Trees to be saved



NO.	REVISION	DATE
3	Rev. hse and grade lot 123	6-18-92
2	Rev. hse and 9rd lot 122 from Hamilton to McHenry	5-10-91
1	Rev. hse and 9rd lot 124 from Chesapeake to McHenry	4-12-91

OWNER/DEVELOPER
BERKSHIRE CORPORATION, INC.
The Gatehouse at North Park Suite 204
Hunt Valley, Maryland 21030

Subdivision Name	Form No.	Scale
ROCKBURN TOWNSHIP	1/2	120-139
Block No. 21 & 3	Zoned R-20	31 & 37
Water Table	D-03 and D-01	2155000

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT
DATE: 2-11-90

APPROVED HOWARD COUNTY DEPT. OF PLANNING & ZONING
DATE: 3-6-90

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DATE: 2/27/90

CHIEF BUREAU OF ENGINEERING
DATE: 2-7-90

CLARK • FINEROCK & SACKETT, INC.
ENGINEERS • PLANNERS • SURVEYORS

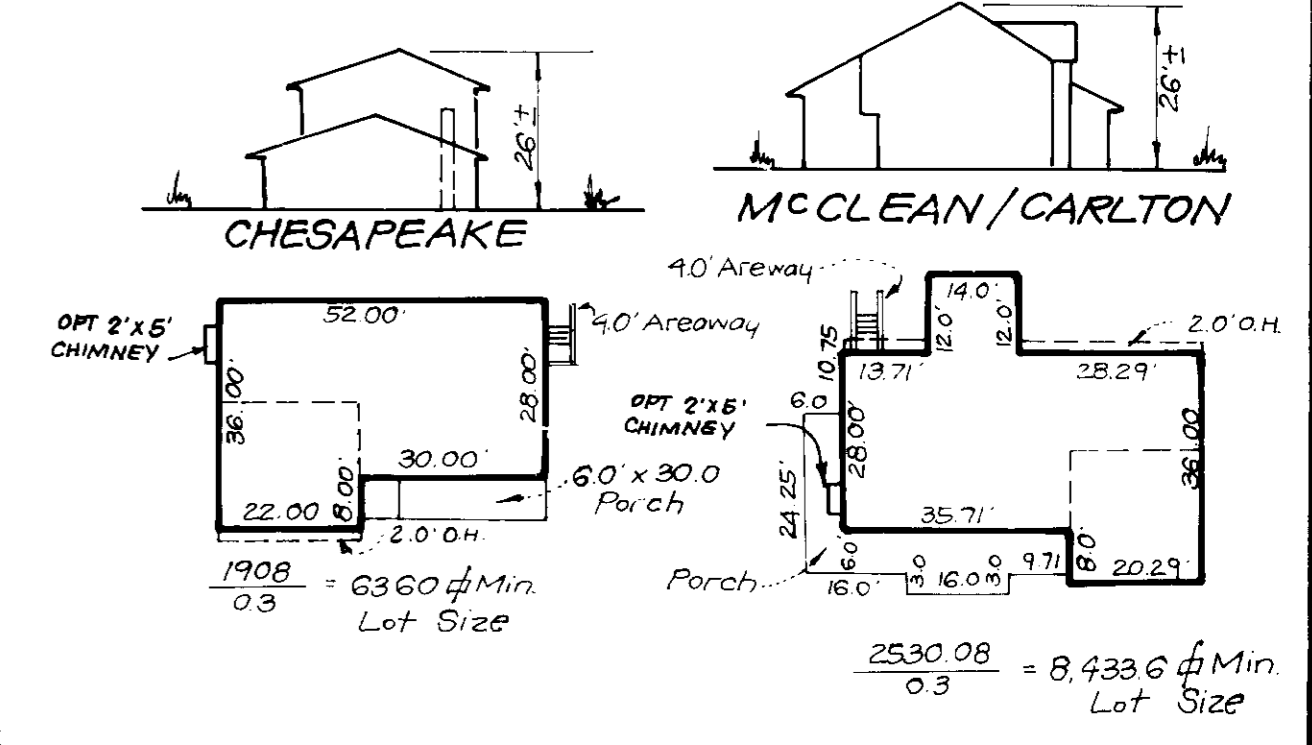
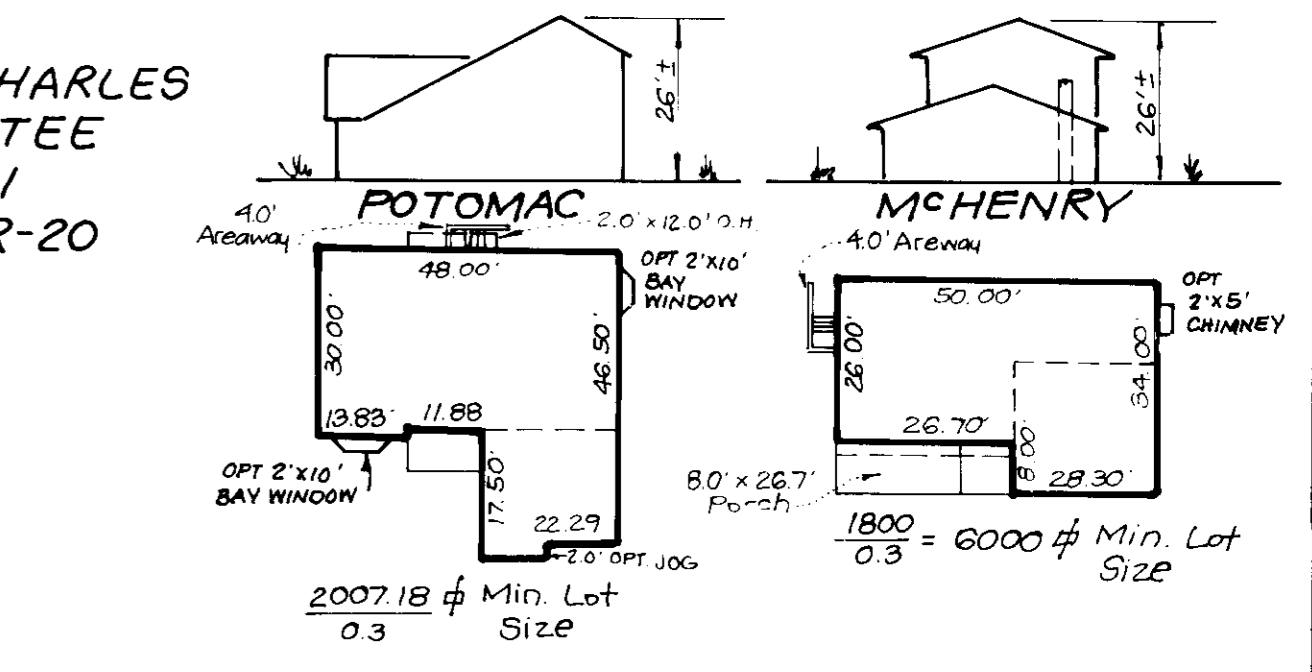
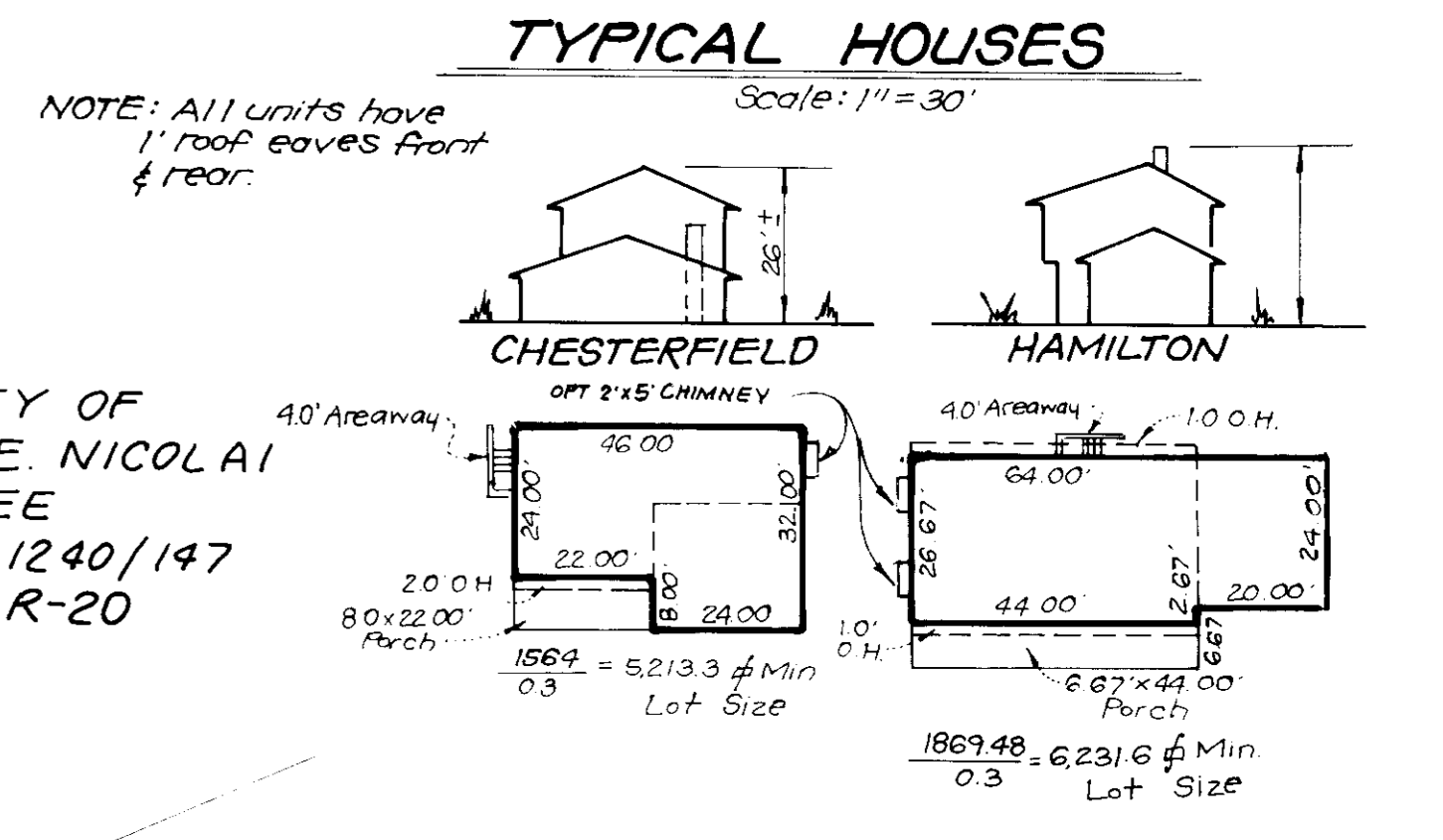
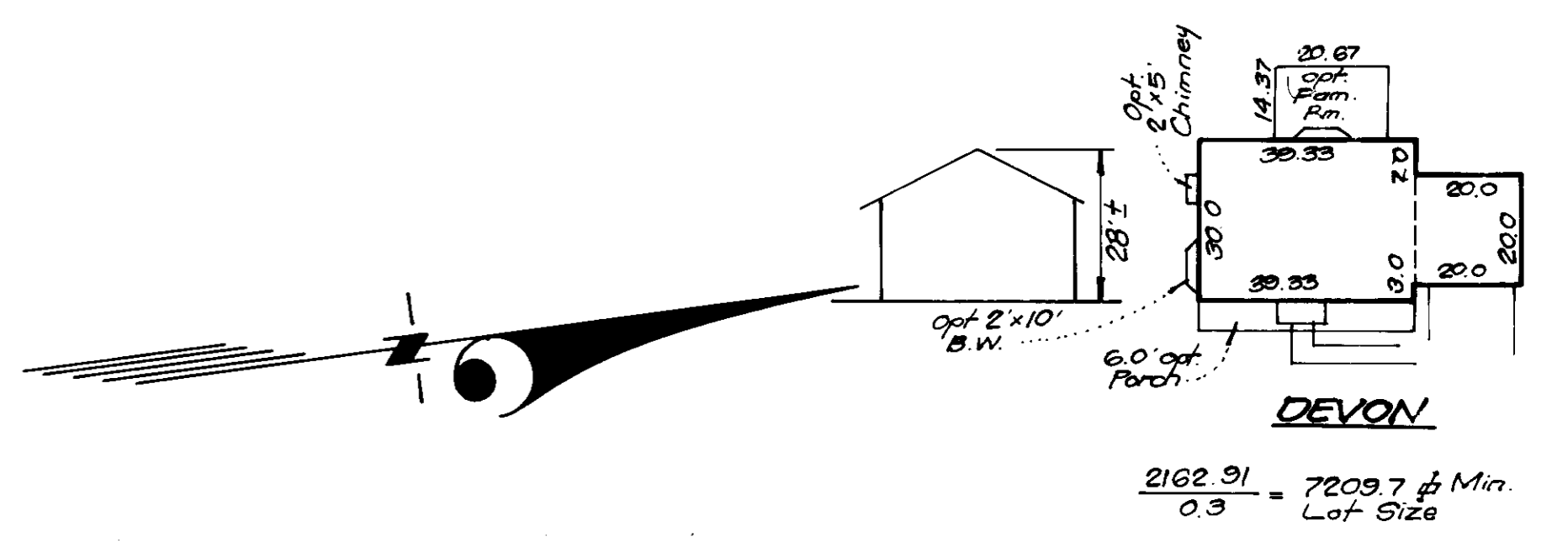
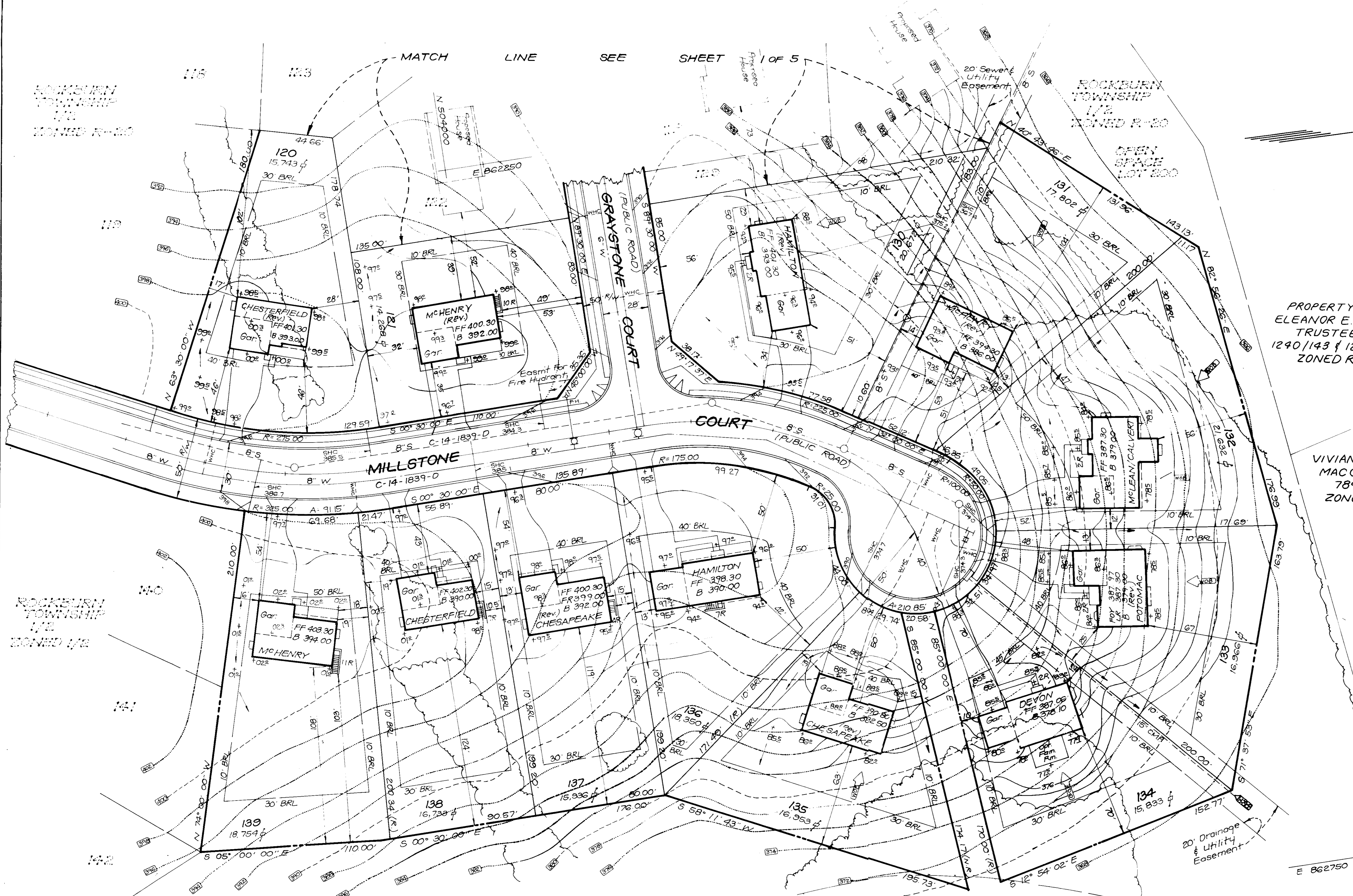
SITE DEVELOPMENT PLAN
LOTS 120 thru 139

ROCKBURN TOWNSHIP SECTION 1 AREA 2
1ST ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

FOR: THE RYLAND GROUP INC.
7130 Minstrel Way Suite 215
Columbia, Maryland 21045

SCALE: 1" = 30'
DRAWING: 1 OF 5
JOB NO: 88-149
FILE NO: A9-1/8 x

S.D.P. 90-58



OWNER / DEVELOPER
BERKSHIRE CORPORATION, INC.
The Gatehouse at North Park Suite 204
Hunt Valley, Maryland 21030

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT
[Signature] 2-11-90
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING
[Signature] 3-6-90
DIRECTOR DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE,
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
[Signature] 2/7/90
DIRECTOR DATE

[Signature] 2/7/90
CHIEF BUREAU OF ENGINEERING DATE

No.	REVISION	Date
3	Rev. hse. f. grad. lot 134	11-8-96
2	Rev. hse. f. grad. lot 120	6-20-91
1	Rev. hse. f. grad. lot 121 from McLean/Calvert to McHenry	5-10-91

CLARK • FINEFROCK & SACKETT, INC.
ENGINEERS • PLANNERS • SURVEYORS
7135 MINSTREL WAY • COLUMBIA, MD 21045 • (301) 381-7500 • BALTO. • (301) 621-8100 - WASH.

DESIGNED: JME
DRAWN: BAL
CHECKED: JME

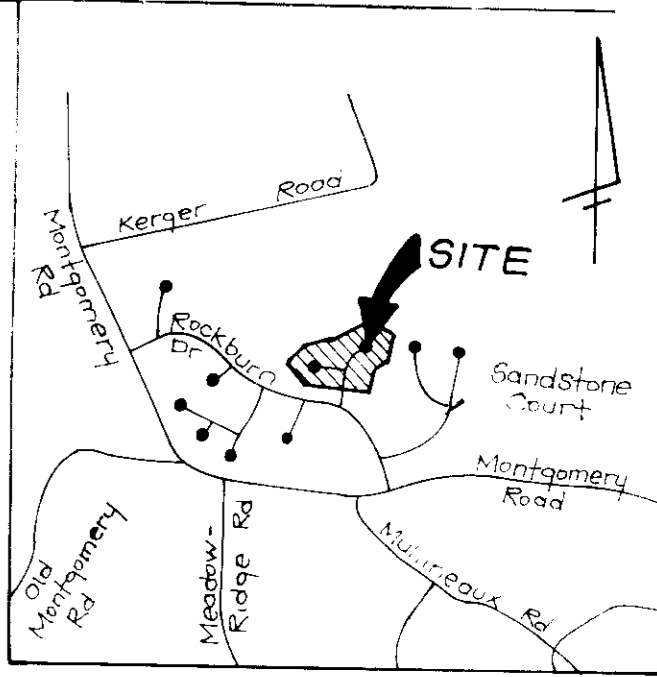
SITE DEVELOPMENT PLAN
LOTS 120 thru 139
ROCKBURN TOWNSHIP
SECTION 1 AREA 2
1ST ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

SCALE: 1" = 30'
DRAWING: 2 OF 5
JOB NO.: 88-149
FILE NO.: 89-118 X

DATE: AUGUST 1989
FOR: THE RYLAND GROUP, INC.
7130 Minstrel Way Suite 215
Columbia, Maryland 21045

TRAP No. 1 SOST (ST-V)

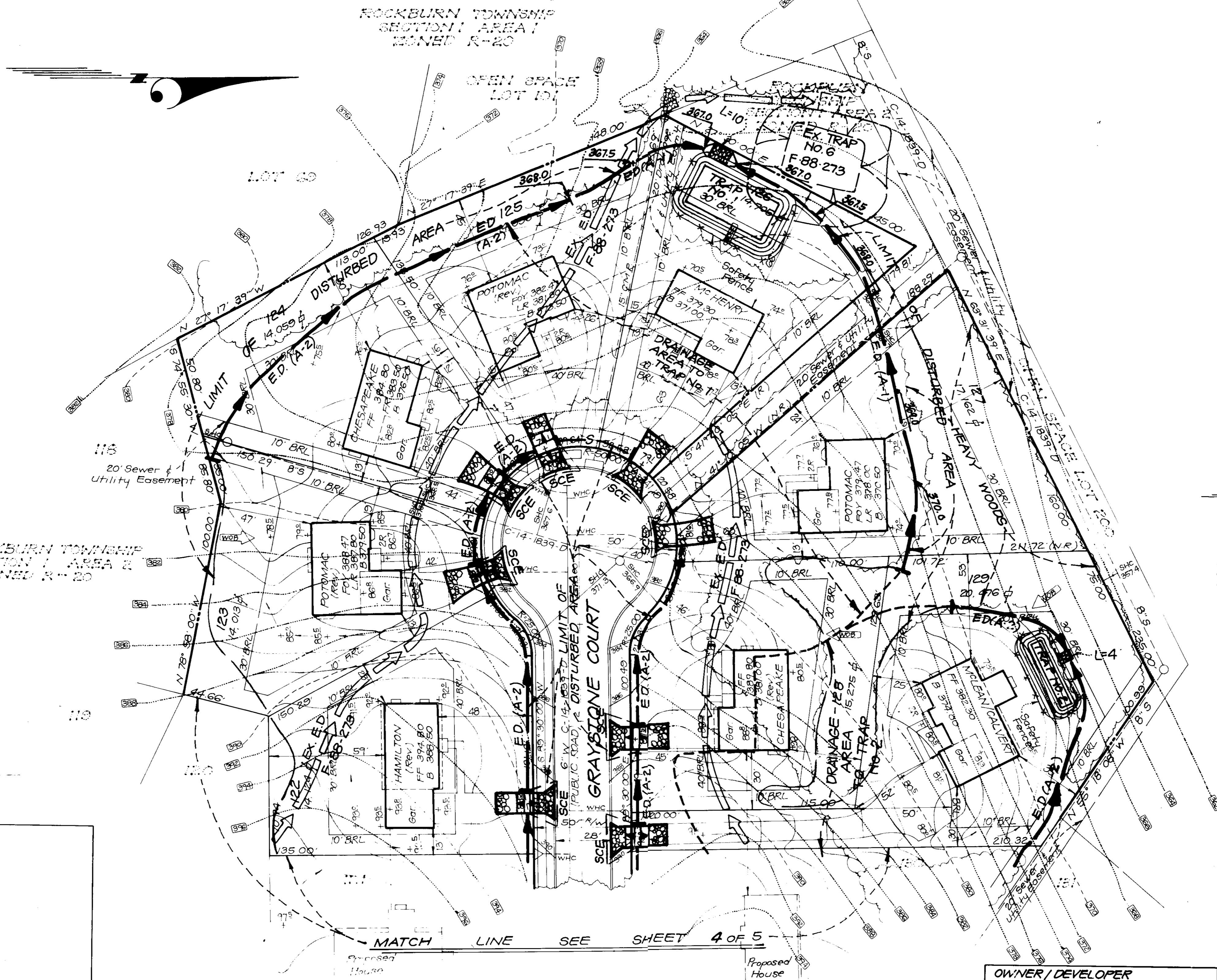
Drainage Area 2.6 Acres
 Storage Provided 4700 cF
 Storage Required 4680 cF
 Depth 4'
 Top of Stone Crest 367.0
 Bottom Elev. 362.0
 Cleanout Elev. 364.0
 Bottom Dimension 43' x 21'
 1:1 Side Slopes
 L = 10'



VICINITY MAP
Scale 1/4" = 100'

LEGEND

- Contour Interval 2.0'
- Existing Contour 2.0'
- Proposed Contour 4.0'
- Spot Elevation 4.0'
- Direction of Drainage
- Walk out Basement
- Ex. Trees to be saved
- Silt Fence — S — S
- Earth Dike — E.D. (A-1) —
- Existing Silt Fence — S —
- Existing Earth Dike — EX. E.D. —
- Stabilized Construction Entrance



TRAP No. 2 SOST (ST-V)

Drainage Area 0.65 Ac.
 Storage Provided 1170 cF
 Storage Required 1200 cF
 Depth 3'
 Top of Stone Crest 367.0
 Bottom Elev. 363.0
 Cleanout Elev. 364.5
 Bottom Dim. 37' x 7'
 1:1 Side Slopes
 L = 4'

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
 G. Nelson Clark
 8-24-89
 Date

DEVELOPER/BUILDERS 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 Erosion and Sediment Control before beginning the project. I/We authorize the Howard Soil Conservation District to inspect the project at any time and to require the use of authorized agents, as are deemed necessary."

Marcia M. Smith
 Signature of Developer/Builder
 8-24-89
 Date

Reviewed for HOWARD S.C.D.
 Name
 and meets Technical Requirements

James M. Helm
 Date 2/2/90
 U.S. Soil Conservation Service

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

John F. Salton
 Approved
 2/2/90
 Date

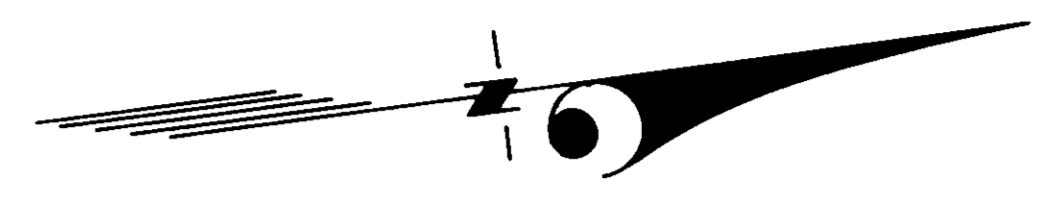
APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT	<i>James M. Helm</i> COUNTY HEALTH OFFICER 2-11-90 DATE
APPROVED FOR HOWARD COUNTY DEPT. OF PLANNING & ZONING	<i>James M. Helm</i> DIRECTOR 2-5-90 DATE
APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS	<i>James M. Helm</i> DIRECTOR 2/2/90 DATE
CHIEF BUREAU OF ENGINEERING	<i>James M. Helm</i> DATE 2-7-90

OWNER / DEVELOPER
 BERKSHIRE CORPORATION, INC.
 The Warehouse at North Park Suite 204
 Hunt Valley, Maryland 21030

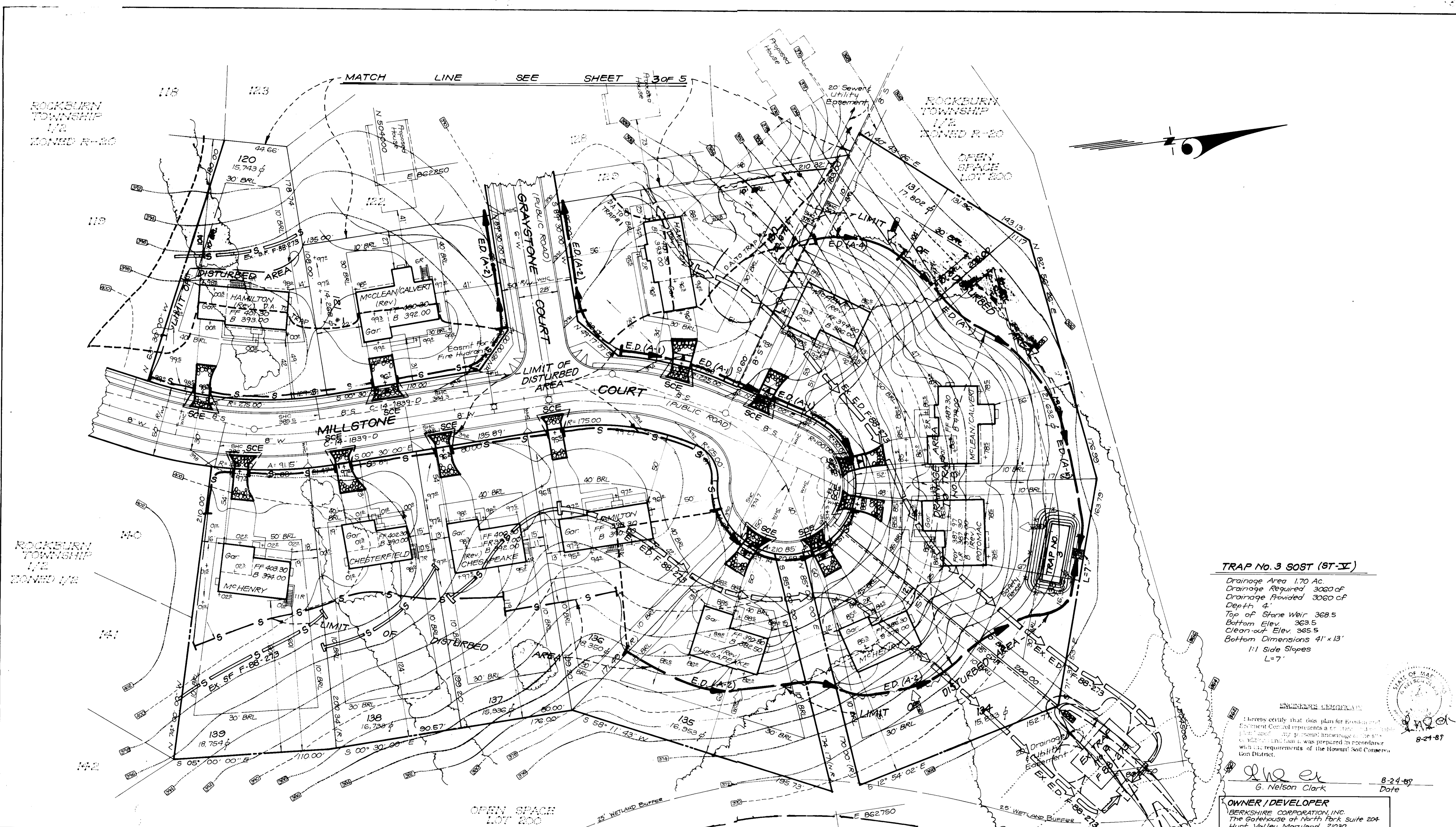
CLARK • FINEFROCK & SACKETT, INC. ENGINEERS • PLANNERS • SURVEYORS 7135 Minstrel Way, Columbia, Md. 21045 • (301) 381-7500 Baltimore (301) 621-8100 Wash.	
DESIGNED KIWM	SEDIMENT & EROSION CONTROL PLAN LOTS 120 thru 139 1" = 30'
DRAWN BAL	ROCKBURN TOWNSHIP SECTION 1 AREA 2 3 OF 5
CHECKED KIWM	1ST ELECTION DISTRICT HOWARD COUNTY, MARYLAND 88-149
DATE AUGUST 1989	FOR: THE RYLAND GROUP, INC. 7130 Minstrel Way Suite 215 Columbia, Maryland 21045 89-118 SE

ROCKBURN TOWNSHIP
1/2
ZONED R-20

ROCKBURN TOWNSHIP
1/2
ZONED R-20

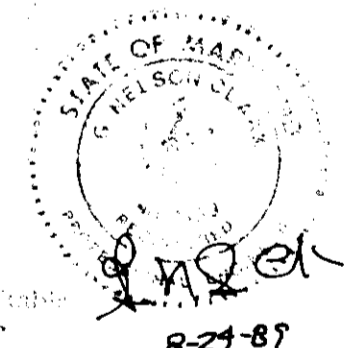


MATCH LINE SEE SHEET 3 OF 5



TRAP No. 3 SOST (ST-V)

Drainage Area 1.70 Ac
 Drainage Required 3060 CF
 Drainage Provided 3060 CF
 Depth 4"
 Top of Stone Weir 368.5
 Bottom Elev. 363.5
 Clean-out Elev. 365.5
 Bottom Dimensions 41' x 13'
 1:1 Side Slopes
 L=7'



ENGINEER CERTIFICATE
 I hereby certify that this plan for Erosion and Sediment Control represents a true and correct plan prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer in the State of Maryland. This plan was prepared in accordance with the requirements of the Howard Soil Conservation District.

G. Nelson Clark
 Date 8-24-89

OWNER / DEVELOPER
 BERKSHIRE CORPORATION, INC.
 The Governor's Office of North Bank, Suite 204
 Hunt Valley, Maryland 21030

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS.
 HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER: *[Signature]* DATE: 2-11-90
 APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING
 DIRECTOR: *[Signature]* DATE: 3-5-90
 APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE,
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DIRECTOR: *[Signature]* DATE: 2-17-90
 CHIEF BUREAU OF ENGINEERING: *[Signature]* DATE: 2-7-90

Reviewed for HOWARD COUNTY S.C.D.
 Name: *[Signature]*
 and meets Technical Requirements
 Signature: *[Signature]* Date: 2/2/90
 U.S. Soil Conservation Service

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

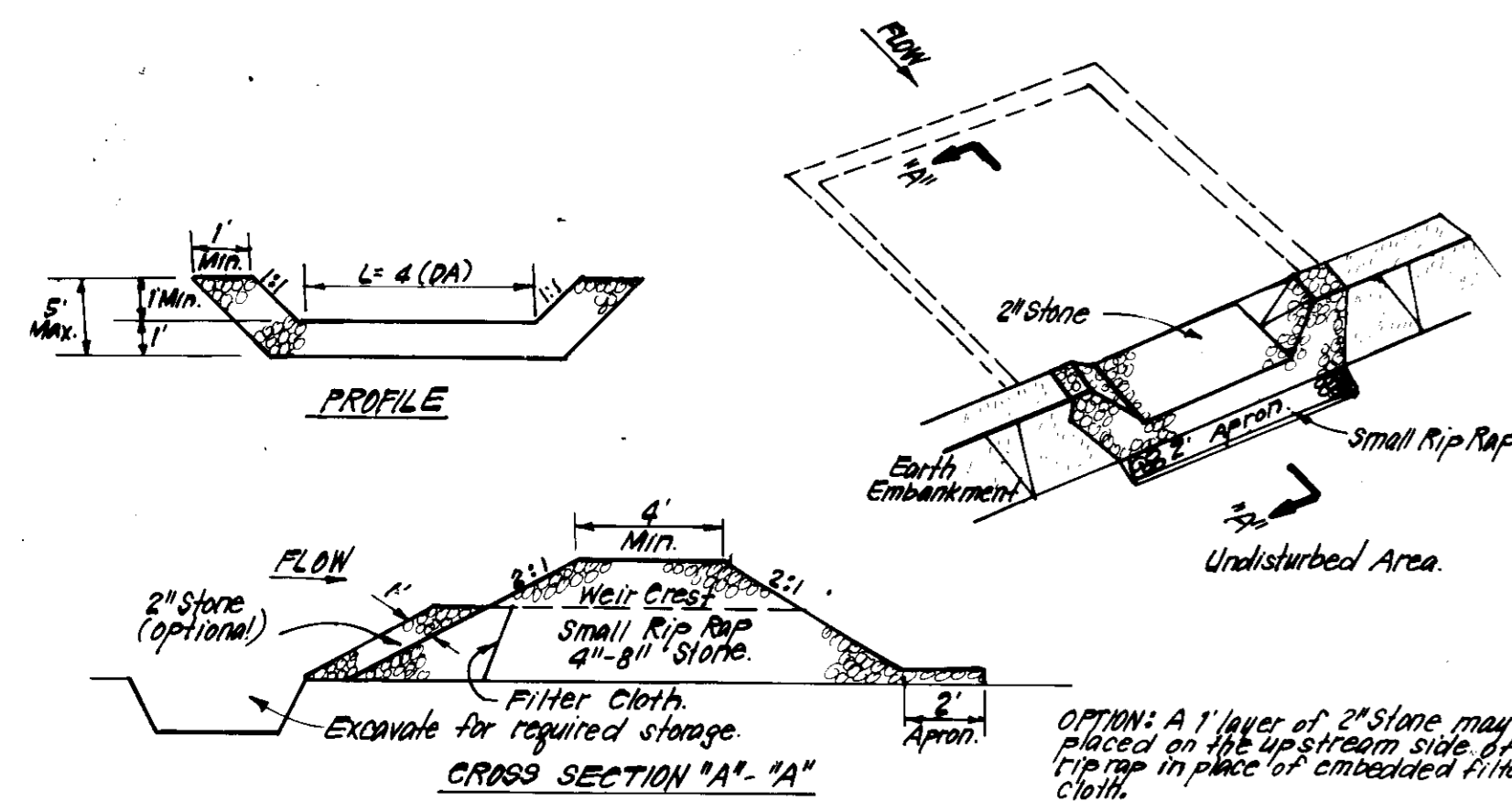
[Signature] 2/2/90
 Approved Date

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 agents, as are deemed necessary."

[Signature] 8-24-89
 Signature of Developer/Builder Date

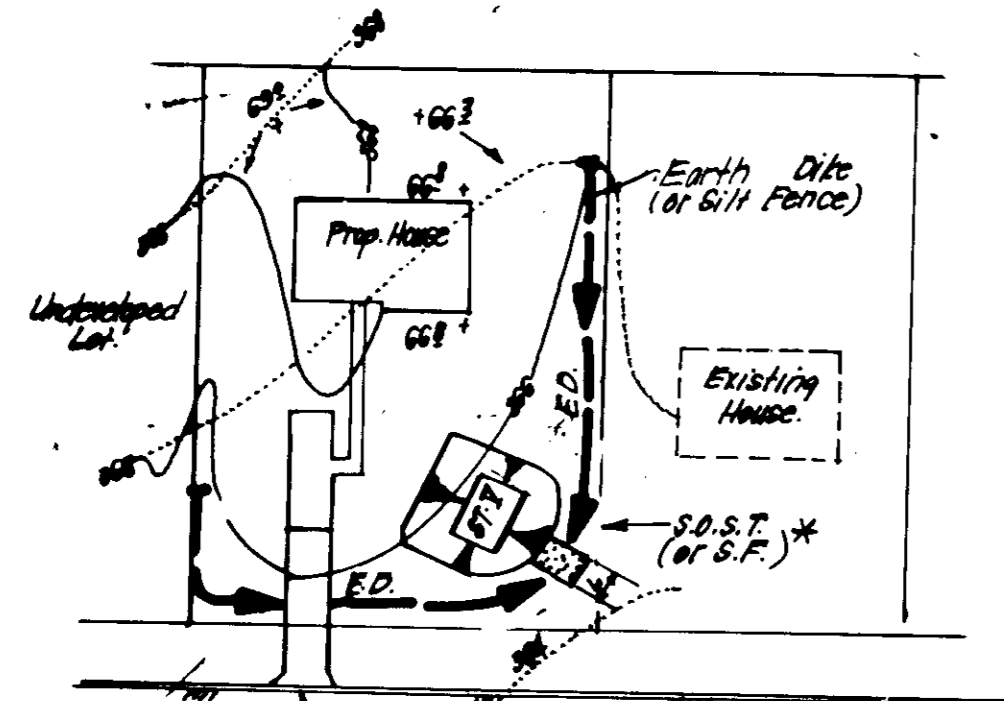
CLARK • FINEROCK & SACKETT, INC.
 ENGINEERS • PLANNERS • SURVEYORS
 7135 MINTREL WAY • COLUMBIA MD 21045 • (301) 381-7500 - BALTO. • (301) 621-8100 - WASH.

DESIGNED KIWM	SEDIMENT & EROSION CONTROL PLAN LOTS 120 thru 139 ROCKBURN TOWNSHIP SECTION 1 AREA 2 1ST ELECTION DISTRICT HOWARD COUNTY, MARYLAND FOR: THE RYLAND GROUP, INC. 7130 Mintrel Way, Suite 215 Columbia, Maryland 21045	SCALE 1" = 30'
DRAWN BAL		DRAWING 4 OF 5
CHECKED KIWM		JOB NO. 88-149
DATE AUGUST 1989		FILE NO. 89-118 SE



- CONSTRUCTION SPECIFICATIONS:**
- Area under embankment shall be cleared, grubbed and stripped of any vegetation and root mat. The soil area shall be cleared.
 - 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 while it is being constructed.
 - All cut and fill slopes shall be 2:1 or flatter.
 - The stone used in the outlet shall be small rip rap 4"-8" along with 1" thickness of 2" aggregate placed on the up-slope side on the small rip rap or embedded filter cloth in the rip rap.
 - Sediment shall be removed and top restored to its original dimensions when the sediment has accumulated to 1/2 the design depth of the trap.
 - The structure shall be inspected after each rain and repairs made as needed.
 - Construction operations shall be carried out in such a manner that erosion and water pollution is minimized.
 - 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

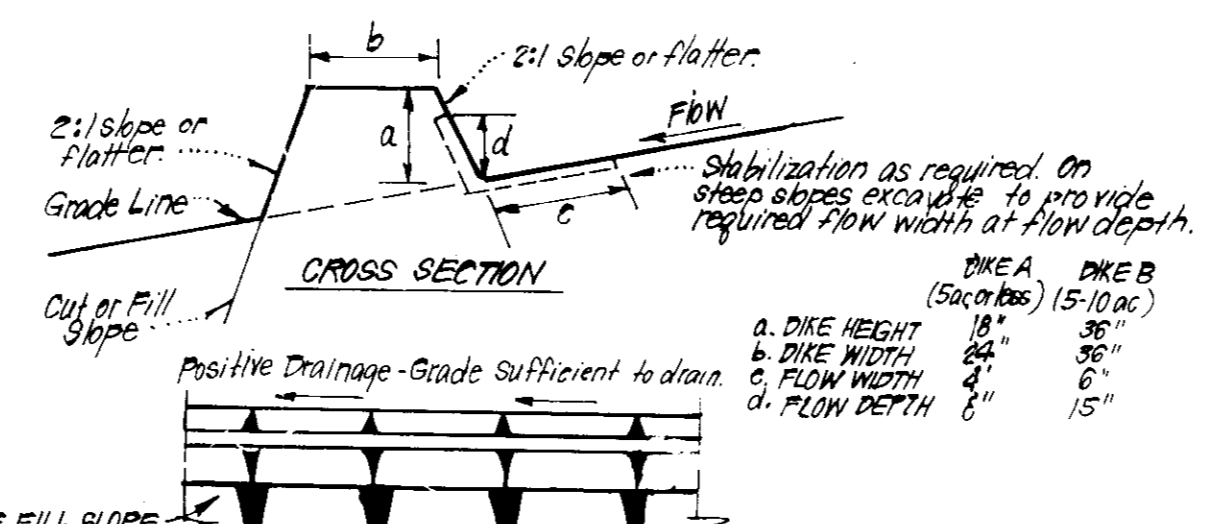


* NOTE: Single lot detail can not be utilized if any two lots sharing common property lines are to be disturbed at the same time or on any lots showing a sediment trap.

NO.	DESCRIPTION	AMOUNT	UNIT
1	2" Stone	100	cu. yds.
2	Small Rip Rap	100	cu. yds.
3	Filter Cloth	100	sq. yds.
4	2" Aggregate	100	cu. yds.

± Can be adjusted in field, but before area must be as given or greater.

SINGLE LOT SEDIMENT CONTROL PLAN
NO SCALE

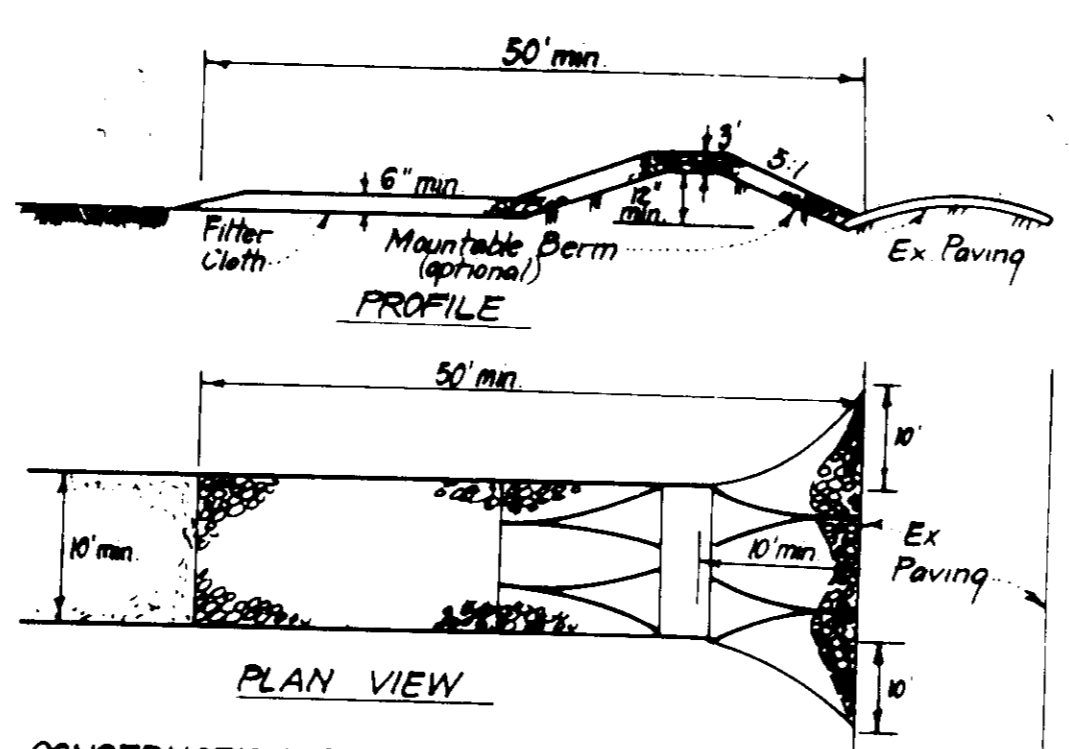


- CONSTRUCTION SPECIFICATIONS:**
- All dikes shall be compacted by earth-moving equipment.
 - All dikes shall have positive drainage to an outlet.
 - Top width may be wider and side slopes may be flatter if desired, to facilitate crossing by construction traffic.
 - Field location should be adjusted as needed to utilize a stabilized safe outlet.
 - 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.
 - 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	FLOW CHANNEL STABILIZATION	
	DIKE A	DIKE B
1	0.5 - 3.0% Seed & Straw Mulch	Seed or Straw Mulch
2	3.1 - 8.0% Seed & Straw Mulch	Seed, Straw, or Excelsior; Sed. 2" Stone
3	5.1 - 8.0% Seed, Straw, or Sed. 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 at least 1" in a layer of at least 8" thick, pressed into soil.
C. Apperiod equaleritis can be substituted for any of the above materials.

EARTH DIKE DETAIL (E.D.)
NO SCALE



- CONSTRUCTION SPECIFICATIONS:**
- Stone size - Use 2" stone, or reclaimed or recycled concrete equivalent.
 - Length - As required, but not less than 50 feet (except on a single residence lot where a 30-foot minimum length would apply).
 - Thickness - Not less than six (6) inches.
 - Width - Ten (10) feet minimum, but not less than the full width at points where ingress or egress occurs.
 - 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.
 - 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.
 - 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, be conditionally cleaned and repair and/or cleanout of any measures used to trap sediment. All sediment applied, dragged, washed or tracked onto public rights-of-way must be removed immediately.
 - 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.
 - Periodic inspection and needed maintenance shall be provided after each rain.

STABILIZED CONSTRUCTION ENTRANCE (SCE)
NO SCALE

SEDIMENT CONTROL NOTES

- 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)
- 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.
- 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.
- 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.
- 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.
- 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.
- Site Analysis:

Total Area of Site	7643 Acres
Area Disturbed	565 Acres
Area to be roofed or paved	127 Acres
Area to be vegetatively stabilized	4.28 Acres
Total Cut	4360 Cu. yds
Total Fill	11230 Cu. yds
Offsite waste/borrow area location	undetermined
- Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
- Additional sediment control must be provided, if deemed necessary by the Howard County DEW sediment control inspector.
- 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.
- If houses are to be constructed on an "As-Built" basis, at random, Single Lot Sediment Control as shown below shall be implemented.
- All pipes to be blocked at the end of each day (see detail below). N/A
- The total amount of straw bale dikes/silt fence equals 1020 L.P.

CONSTRUCTION SEQUENCE:

	No. of Days
A. Obtain Grading Permit and Install Sediment and Erosion Control Devices and Stabilize.	7
B. Excavate for foundations and Rough Grade & Temporarily Stabilize.	100
C. Construct Structures, Sidewalks and Driveways.	260
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.	7

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, if not previously loosened.
- Soil Amendments: In lieu of soil test recommendations, use one of the following schedules:
- 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).
 - 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 15 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 or 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.

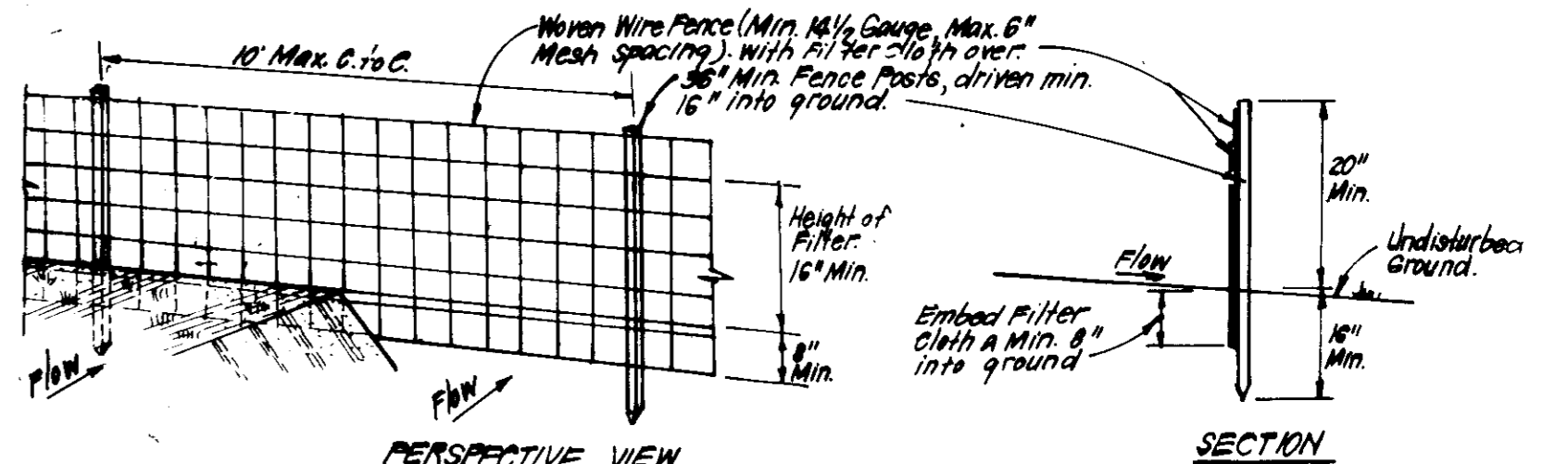
TEMPORARY SEEDING NOTES

- 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, if not previously loosened.
- Soil Amendment: 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). 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.

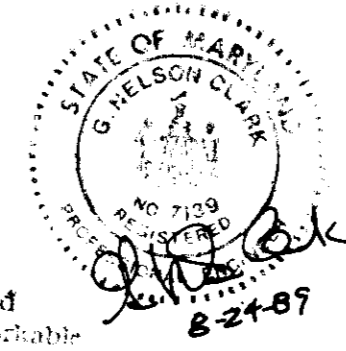
Refer to the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for rate and methods not covered.



- CONSTRUCTION SPECIFICATIONS:**
- Woven wire fence to be fastened securely to fence posts with wire ties or staples.
 - Filter cloth to be fastened securely to woven wire fence with ties spaced every 24" at top and mid section.
 - When 2 sections of filter cloth and/or filter cloth are overlapped by 6" and stapled.
 - Maintenance shall be performed as needed and material removed when "bulges" develop in Silt Fence.
- POSTS: Steel, either T or U Type or HARDWOOD
FENCE: Woven Wire, 14 1/2 Gauge, 6" Max. Mesh Opening
FILTER CLOTH: Filter, Miraflex 100X, Stabilize, T1400 or Approx. equiv.
PREFABRICATED UNIT: Geofab, Envirofence, or Approx. equal.

SILT FENCE DETAIL (S)
NO SCALE

OWNER / DEVELOPER
BERKSHIRE CORPORATION, INC.
The Golfhouse of North Park suite 204
Hunt Valley, Maryland 21030



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: 8-24-89

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.

Maurice M. Simpkins
Signature of Developer/Builder
Date: 8-24-89

Reviewed for HOWARD COUNTY S.C.D. Name and meets Technical Requirements
James M. Hill
Signature
Date: 8/2/90
U.S. Soil Conservation Service

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

John L. Deaton
Approved
Date: 8/2/90

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.
County Health Officer: [Signature] 2-11-90
DATE

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING
Director: [Signature] 7-5-90
DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Director: [Signature] 2-7-90
DATE

CLARK • FINEFROCK & SACKETT, INC.
ENGINEERS • PLANNERS • SURVEYORS
7135 MINNISTREL WAY • COLUMBIA, MD 21045 • (301) 381-7500 - BALTO • (301) 621-8100 - WASH

DESIGNED KIWM	SEDIMENT & EROSION CONTROL PLAN LOTS 120 THRU 139 ROCKBURN TOWNSHIP SECTION 1 AREA 2 1ST ELECTION DISTRICT HOWARD COUNTY, MARYLAND FOR: THE RYLAND GROUP INC. 7150 Minnistrrel Way Columbia, Md 21045	SCALE As Shown
DRAWN BAL		DRAWING 5 OF 5
CHECKED KIWM		JOB NO. 88-149
DATE AUGUST 1989		FILE NO. 89-118

SDP-90-58