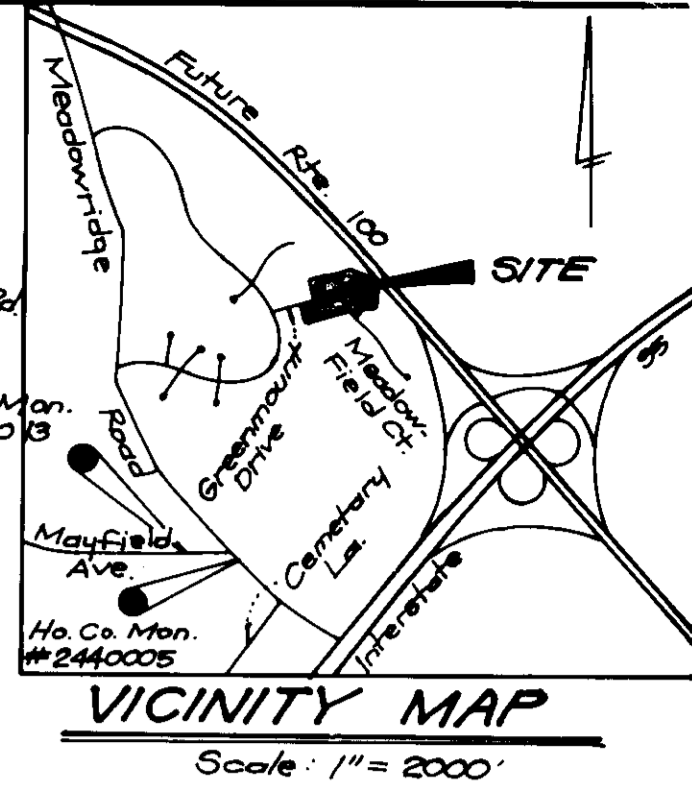


LEGEND
 Contour Interval 2 Ft.
 Existing Contour [Symbol]
 Proposed Contour [Symbol]
 Spot Elevation [Symbol]
 Direction of Drainage +10% [Symbol]
 Existing Trees to Remain [Symbol]
 Tree Protection Fence [Symbol]

BENCHMARKS
 2444013 - Elevation 268.109
 Concrete Monument of Surface 17.1' North of Centerline of Mayfield Avenue
 N 495646.264' E 862542.345'
 2444005 - Elevation 271.249
 Concrete Monument 0.5' Below Surface on the West Side of Meadowlark Rd. South of Mayfield Rd.
 N 495566.211' E 863126.170'



- GENERAL NOTES:**
- Subject property is zoned RSC per 10-18-93 Comprehensive Zoning Plan.
 - The total area included in this submission is 113,732 sq ft or 2.61 Acres.
 - The total number of lots included in this submission are: 15.
 - Improvement to property: Single Family Detached Units.
 - SIC elevations shown are located at the property line.
 - Department of Planning and Zoning reference file numbers are S-89-24, PB-251, WP-21-76, F-22-91, P-21-08, F-22-02, F-23-37, 14-3303-D.
 - Utilities shown as existing are taken from approved Water and Sewer Plans Contract # 14-3033-D approved Road Construction Plans F-23-37 and actual field survey.
 - Any damage to county owned rights-of-way shall be corrected at the developer's expense.
 - Stormwater Management for this subdivision is extended detention.
 - All roadways are public and existing.
 - The existing topography shown was taken from Road Construction Plans F-23-37 prepared by TSI Group, Inc. and actual field survey.
 - The coordinates shown hereon are based upon the Howard County Geodetic Control which is based upon the Maryland State Plane Coordinate System - Howard County Monument Nos. 2444013 and 2444005.
 - The contractor shall notify the Department of Public Works/Division of Construction Inspection (410) 313-1880 at least twenty-four (24) hrs. prior to the start of work. The contractor shall notify this Utility at 1-800-257-7777 at least 48 hours prior to any excavation work.
 - For driveway entrance details refer to Ho.Co. Design manual Volume IV details R-6.03 and R-6.05.
 - In accordance with Sections 12B.A.1b and c. of the Zoning regulations, bay windows or chimneys not more than 10 feet in width may project not more than 4 feet into any setbacks; porches and decks may project not more than 10 feet into the front or rear setback.
 - No clearing, grading or construction is permitted within the required wetland or stream buffer.
 - Maintenance of the Noise Abatement Wall located on lots 441-444 shall be the responsibility of the respective lot owners.
 - Roof Drains for lots 437-443 must be directed to the front of the house for water quality treatment in the stormwater management facility.
 - No structures or fences are to be built within easements behind lots 504, 507 & 508.

SPECIAL NOTES:
 This plan is for house siting and lot grading only. Improvements shown within the rights-of-way on this S.D.P. are not to be used for construction. For construction see approved Road Construction Plans F-23-37 and/or approved Water and Sewer Plans Contract # 14-3303-D.

ADDRESS CHART

LOT NO.	STREET ADDRESS
437	2851 Greenmount Drive
438	2855
439	2852
440	2853
441	2857
442	2854
443	2855
444	2854
445	2850
446	2850
505	2850
506	2852
507	2850
508	2850
447	2805 Meadowfield Court

MINIMUM CELLAR ELEVATIONS

LOT NO.	MCE	LOT NO.	MCE	LOT NO.	MCE
437	251.0	442	301.8	447	288.3
438	254.0	443	302.3	505	272.2
439	257.0	444	302.4	506	271.5
440	258.5	445	302.1	507	272.0
441	301.4	446	285.0	508	278.8

SHEET INDEX
 Sheet 1 - Site Development Plan
 Sheet 2 - Sediment & Erosion Control Plan

OWNER / DEVELOPER
 SECURITY DEVELOPMENT CORP.
 P.O. Box 417
 ELLICOTT CITY, MD. 21045

SUBDIVISION NAME WILLOWOOD

PLAT NO.	BLOCK NO.	ZONE	DIST. MAP NO.	ALTERN. DIST. MAP NO.	APPROVED DATE
11154 & 11155	16	RSC	37	187	06/11/02

WATER CODE D 06 **SEWER CODE** E1530000

CLARK • FINEFROCK & SACKETT, INC.
 ENGINEERS • PLANNERS • SURVEYORS
 7135 MINSTREL WAY • COLUMBIA, MD. 21045 • (410) 381-7500 - BALTO. • (301) 821-8100 - WASH.

DESIGNED RMT
DRAWN BAL
CHECKED jme
DATE 6-1-95

SCALE 1" = 30'
DRAWING 1 OF 3
JOB NO. SD-102
FILE NO. SD-102

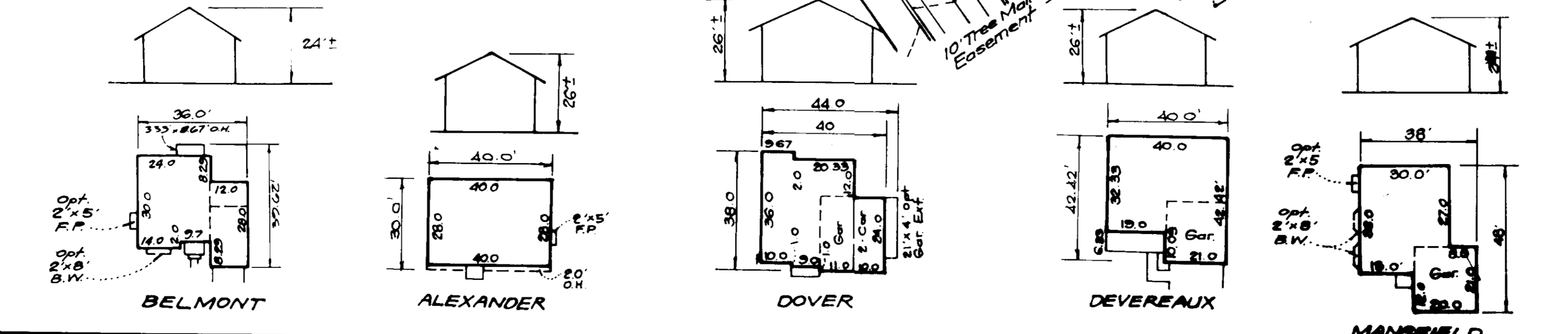
SITE DEVELOPMENT PLAN
 LOTS 437-447, 505, 507 & 508
WILLOWOOD SECTION 3 AREA 2
 1ST ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 FOR: RYLAND HOMES
 14471 Rock Road, Suite 705
 Lutherville, Md. 21085

REVISIONS

No.	Rev. desc. & ref. to reflect As-Built Cond. of Lot 447	Date
1	Rev. desc. & ref. to reflect As-Built Cond. of Lot 447	10/29/95

APPROVED HOWARD COUNTY DEPT. OF PLANNING & ZONING
 Director: [Signature] 6/23/95
 Chief Division of Land Development and Research: [Signature] 6/13/95

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 Director: [Signature] 6/13/95
 Chief Bureau of Engineering: [Signature] 6/13/95



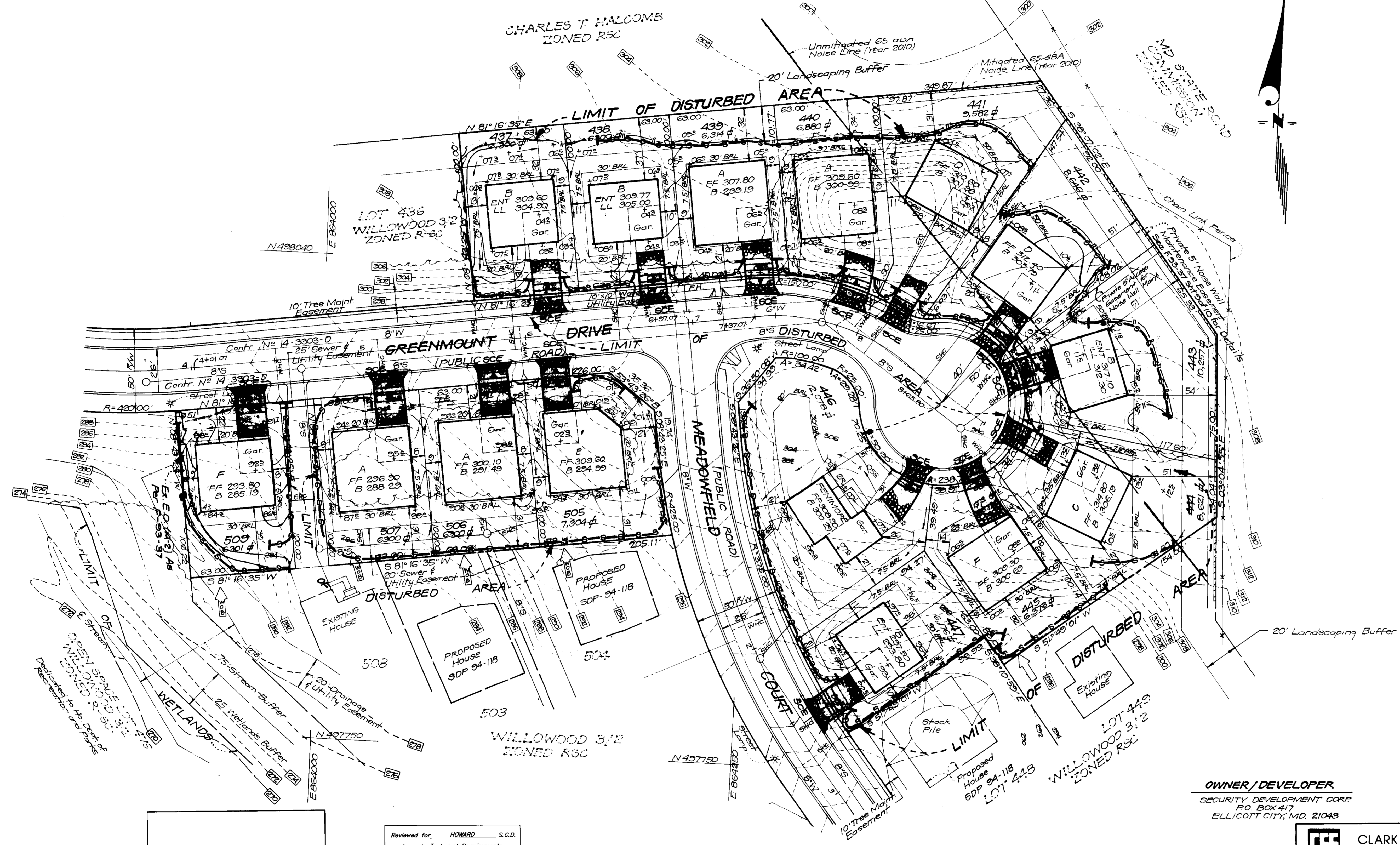
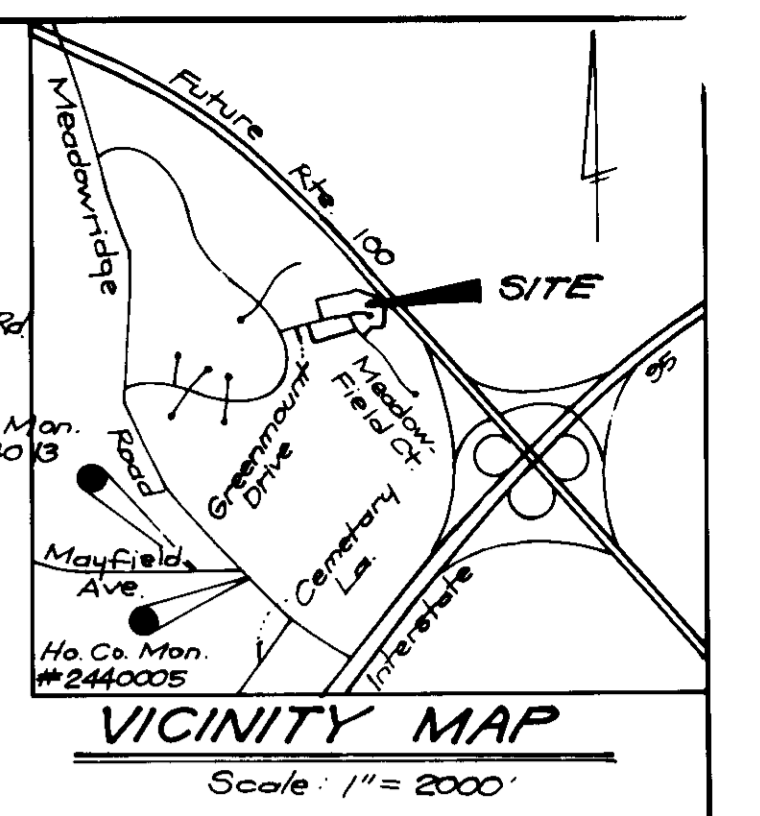
LEGEND

- Contour Interval 2 Ft
- Existing Contour
- Proposed Contour
- Spot Elevation +10'
- Direction of Drainage
- Existing Trees to Remain
- Tree Protection Fence
- Silt Fence
- Ex. Earth Dike
- Stabilized Construction Entrance

BENCHMARKS

2444013 - Elevation 268.109
 Concrete Monument of Surface 17.1' North of
 Centerline of Mayfield Avenue
 N 435642.564 E 562542.345

2444005 - Elevation 271.249
 Concrete Monument 0.5' Below Surface on the
 West Side of Meadowridge Rd. South of Mayfield Rd
 N 435558.211 E 863126.170



OWNER / DEVELOPER
 SECURITY DEVELOPMENT CORP.
 P.O. BOX 417
 ELLICOTT CITY, MD. 21043

APPROVED HOWARD COUNTY DEPT. OF PLANNING & ZONING
 Director: *Paul V. d'Arge* DATE: 6/22/95
 Chief Division of Land Development and Research: *Tom Winters* DATE: 6/13/95

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 Director: *James P. Shaw* DATE: 6/13/95
 Chief Bureau of Engineering: *John G. Smith* DATE: 6/13/95

Reviewed for HOWARD S.C.D. and meets Technical Requirements
 Signature: *John P. Robertson* DATE: 6/19/95
 Natural Resources Conservation Service

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
 Signature: *John P. Robertson* DATE: 6/19/95
 Approved

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 sediment and erosion control and that all responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of the Environment 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 its authorized agents, as are deemed necessary.
 Signature: *Debra A. McDaniel* DATE: 4-19-95
 NAME: DEBRA A. MCDANIELS

ENGINEER'S CERTIFICATE
 I hereby certify that this plan for Sediment and Erosion 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: *Jeffrey G. Schwab* DATE: 6/1/95
 NAME: Jeffrey G. Schwab



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 ENGINEERS • PLANNERS • SURVEYORS
 7135 MINSTREL WAY • COLUMBIA MD 21045 • (301) 381-7500 • BALTO • (301) 624-8100 - WASH

DESIGNED JLS	SEDIMENT & EROSION CONTROL PLAN LOTS 437-447, 505-507 & 509 WILLOWOOD SECTION 3 AREA 2 1ST ELECTION DISTRICT HOWARD COUNTY, MARYLAND FOR: THE RYLAND GROUP, INC. 1447 York Rd. Suite 705 Lutherville, Md. 21093	SCALE 1" = 30'
DRAWN BAL		DRAWING 2 OF 3
CHECKED JLS		JOB NO 93-102
DATE 6-1-95		FILE NO 93-102

SDP 95-103

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, disking or other acceptable means before seeding, if not previously loosened.

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 the 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 6000 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 well anchored straw mulch and seed as soon as possible in the spring. Option (2) Use sod. Option (3) Seed with 50 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

SEEDBED PREPARATION: Loosen upper three inches of soil by raking, disking, or other acceptable means before seeding, if not previously loosened.

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 bushels 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 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.

REFER TO THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.

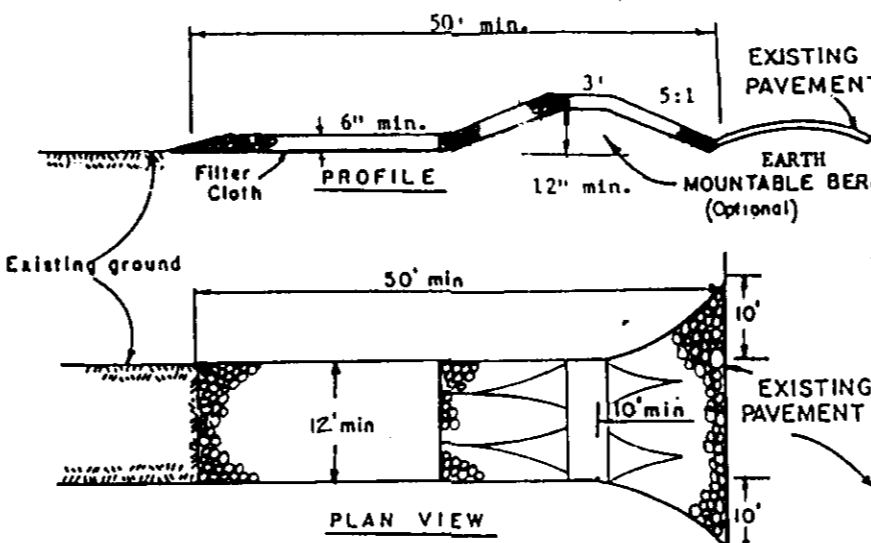
SEDIMENT AND EROSION CONTROL NOTES

- A minimum of 24 hours notice must be given to the Howard County Office of Inspection and Permitting prior to the start of any construction. (318-1855).
 - All vegetation 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 SPECS. FOR SOIL EROSION AND SEDIMENT CONTROL.
 - 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.
 - All sediment traps/basins shown must be fenced and warning signs posted around their perimeters 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 sod 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:	261 Ac
Area Disturbed:	6.80 Ac
Area to be roofed or paved:	0.78 Ac
Area to be vegetatively stabilized:	1.24 Ac
Total Cut:	474 cy
Total Fill:	1712 cy

 Offsite Waste/Borrow Area Location:
 - 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 DPW 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.
 - All pipes to be blocked at the end of each day (see detail this sheet).
 - The total amount of silt fence = 1830 L.F.
- * It is the responsibility of the contractor to identify the spoil/borrow site and notify and gain approval from the sediment control inspector of the site and its grading permit number at the time of construction.

CONSTRUCTION SEQUENCE:	NO. OF DAYS
1 Obtain grading permit	7
2 Install tree protection fence	7
3 Install sediment and erosion control devices and stabilize	14
4 Excavate for foundations, rough grade and temporarily stabilize	30
5 Construct structures, sidewalks and driveways	60
6 Final grade and stabilize in accordance with Stds. and Specs.	14
7 Upon approval of the sediment control inspector, remove sediment and erosion control devices and stabilize	7

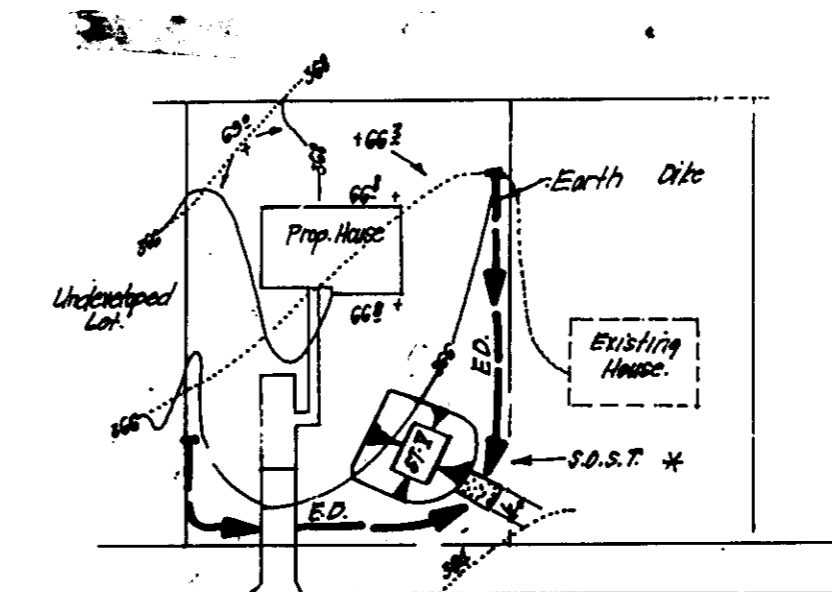


CONSTRUCTION SPECIFICATIONS

- 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) foot 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 flooding 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 seepage used to trap sediment. All sediment applied, dropped, 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

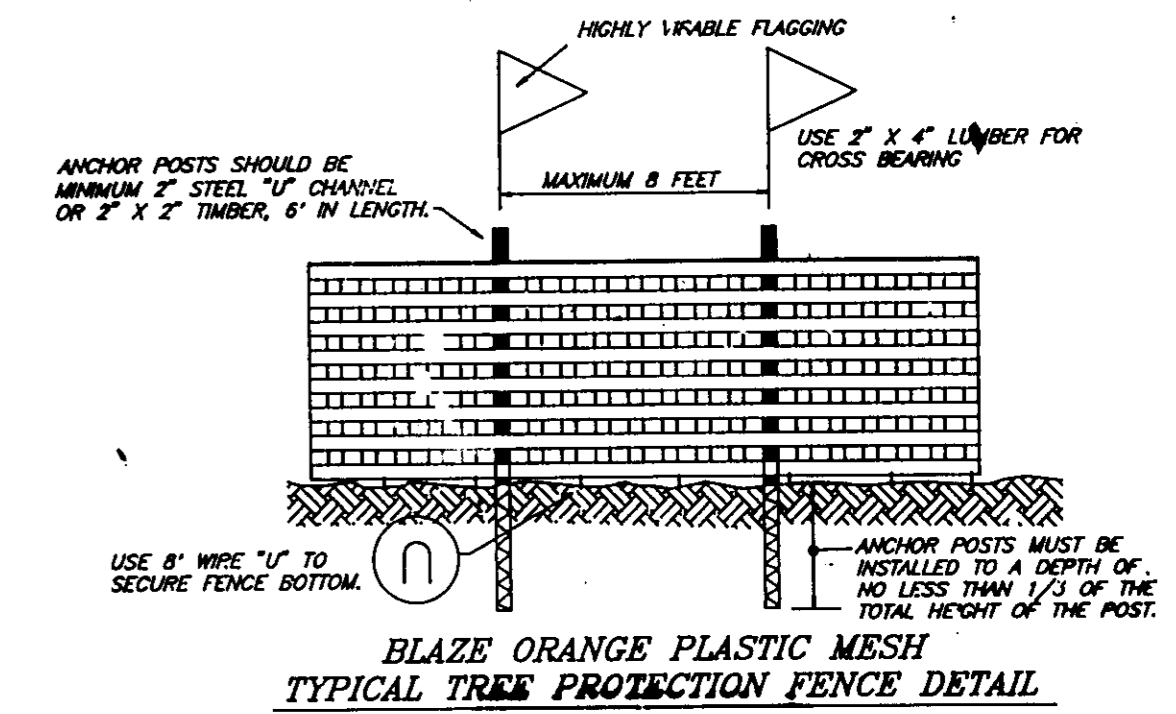


* NOTE: Single lot detail can not be utilized if any two lots sharing common property lines are to be disturbed at the same time, or on any lots showing a sediment trap.

1983 S.E.C. (CIVIL) PERMITS	NO. OF LOTS	NO. OF SITES	NO. OF TRAPS
1	1	1	1
2	1	1	1
3	1	1	1
4	1	1	1
5	1	1	1
6	1	1	1
7	1	1	1
8	1	1	1
9	1	1	1
10	1	1	1
11	1	1	1
12	1	1	1
13	1	1	1
14	1	1	1
15	1	1	1
16	1	1	1
17	1	1	1
18	1	1	1
19	1	1	1
20	1	1	1
21	1	1	1
22	1	1	1
23	1	1	1
24	1	1	1
25	1	1	1
26	1	1	1
27	1	1	1
28	1	1	1
29	1	1	1
30	1	1	1
31	1	1	1
32	1	1	1
33	1	1	1
34	1	1	1
35	1	1	1
36	1	1	1
37	1	1	1
38	1	1	1
39	1	1	1
40	1	1	1
41	1	1	1
42	1	1	1
43	1	1	1
44	1	1	1
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46	1	1	1
47	1	1	1
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49	1	1	1
50	1	1	1

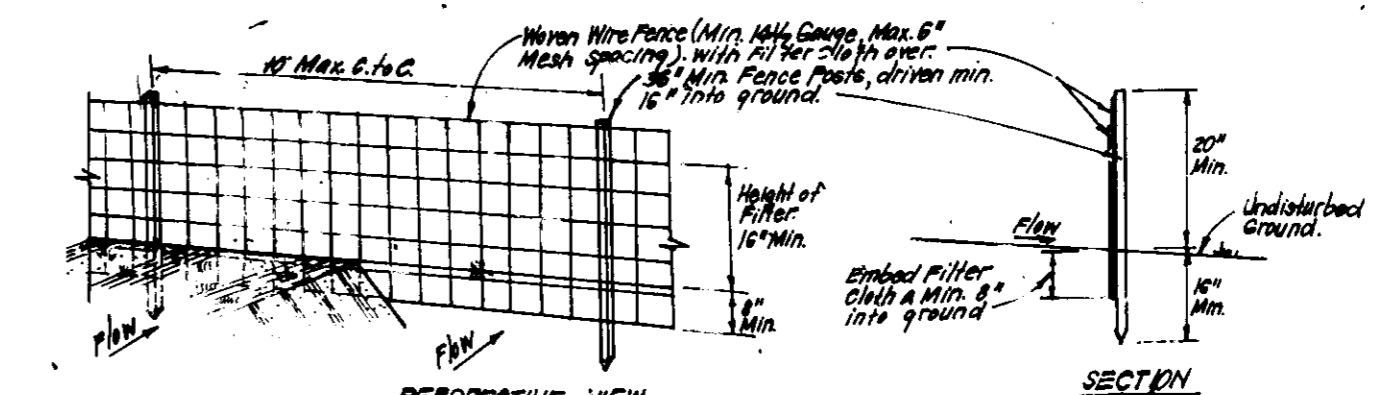
SINGLE LOT SEDIMENT CONTROL PLAN

No Scale



TYPICAL TREE PROTECTION FENCE DETAIL

- NOTES:
- Forest protection device only.
 - Retention area will be set on part of the border process.
 - Boundaries of retention area should be staked and flagged prior to installing device.
 - Root damage should be avoided.
 - Protection signage may also be used.
 - Device should be maintained throughout construction.



CONSTRUCTION SPECIFICATIONS

- Heavy wire fence to be fastened securely to fence posts with wire ties or staples.
- Filter cloth to be attached securely to heavy wire fence with ties spaced every 24\"/>

SILT FENCE DETAIL (3)

No Scale

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING
 DIRECTOR: *[Signature]* DATE: 6/23/95
 CHIEF DIVISION OF LAND DEVELOPMENT AND RESEARCH: *[Signature]* DATE: 6/22/95
 APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DIRECTOR: *[Signature]* DATE: 6/13/95
 CHIEF BUREAU OF ENGINEERING: *[Signature]* DATE: 6/13/95

Reviewed for: HOWARD S.C.D. and meets Technical Requirements
 Signature: *[Signature]* DATE: 6/19/95
 Natural Resources Conservation Service

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 sediment and erosion control and that all responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of the Environment 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.
 NAME: DEBRA A. MCDANIELS DATE: 4-15-95

ENGINEER'S CERTIFICATE
 I hereby certify that this plan for Sediment and Erosion 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: *[Signature]* DATE: 6/1/95
 JEFFREY L. SCHWAB

OWNER/DEVELOPER
 SECURITY DEVELOPMENT CORP.
 P.O. BOX 417
 ELLICOTT CITY, MD. 21043

CLARK • FINEROCK & SACKETT, INC.
 ENGINEERS • PLANNERS • SURVEYORS
 7135 MINISTREL WAY • COLUMBIA MD 21046 • (301) 381-7500 • BALTO • (301) 621-8000 • WASH
 DESIGNED: JLS
 DRAWN: BAL
 CHECKED: JLS
 DATE: 6-1-95
SEDIMENT & EROSION CONTROL PLAN
 LOTS 437-447, 505-507 & 509
WILLOWOOD SECTION 3 AREA 2
 1ST ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 FOR THE RYLAND GROUP, INC.
 1447 York Road Suite 705
 Lutherville, Md. 21093
 SCALE: As Shown
 DRAWING: 3 OF 3
 JOB NO: 93-102
 FILE NO: 93-102se

SDP 95-103