

GENERAL NOTES

- All coordinates are based on upon traverse controls for Columbia established by Mapco, Inc. in 1965, then Furdum & Jeschke in 1968, which controls were tied to the Maryland Bureau of Control Survey Monuments and to U.S. Coast & Geodetic Survey Monuments in the Columbia Area.
- Any damage to County owned rights-of-way shall be corrected at the developer's expense.
- The contractor/developer shall contact the construction inspection/ Survey Division 24 hours in advance of commencement of work at 400-2417 or 400-2418.
- All roadways are public & existing.
- The property shown herein is zoned R-50. Max building coverage is 40% per lot.
- Total Area included in this plan is 1,337,000 sq. ft.
- Total Number of lots: 84.

SPECIAL NOTES

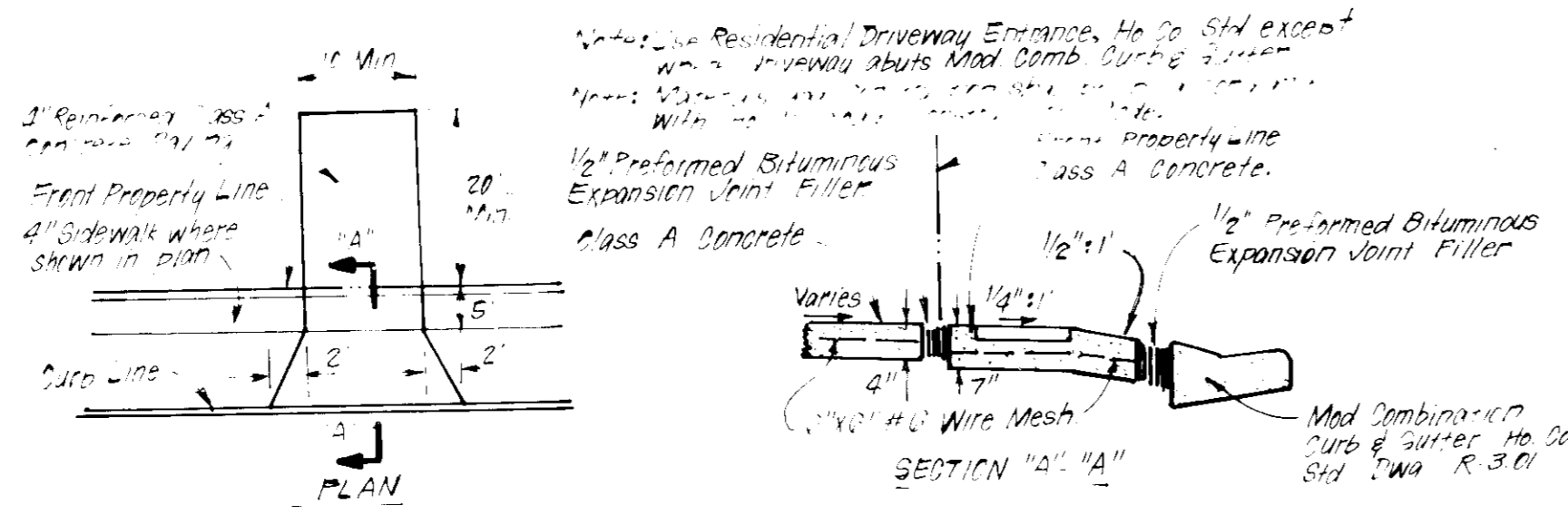
- Approved Road Construction plans shall be used for all Public Utilities.
- Public Water & Sewer shown for reference only. For more detailed information see Wg's Contract #.
- The water & sewer house connections not included in a "Developer's Agreement" shall conform to H.C. Plumbing Code. The onsite W.M.'s shall be 1" copper and S.H.C's shall be 4" iron.

VICINITY MAP

SCALE: 1"=2,000'

LEGEND:

- Contour Interval 2'-1"
- Existing Contour 3'-1"
- Proposed Contour 3'-0"
- Spot Elevation +705
- Direction of Drainage
- Existing Trees to remain
- Walk-Out Basement



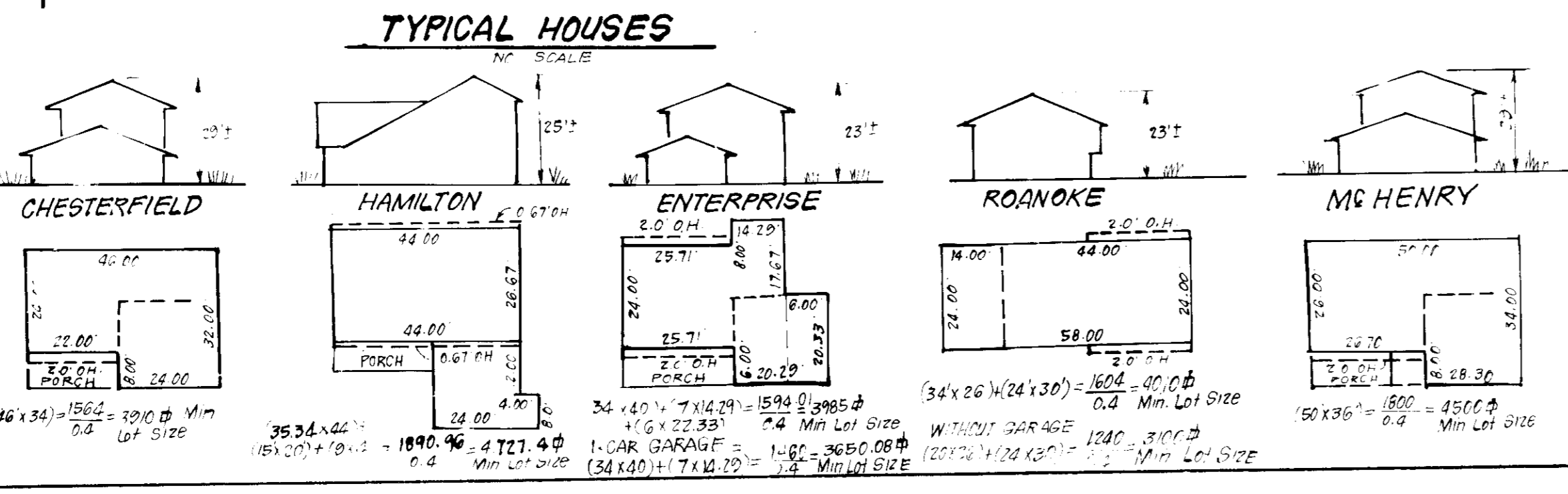
DRIVEWAY ABUTTING MODIFIED CURB & GUTTER

J. H. DORSEY
400/436
ZONING RSC

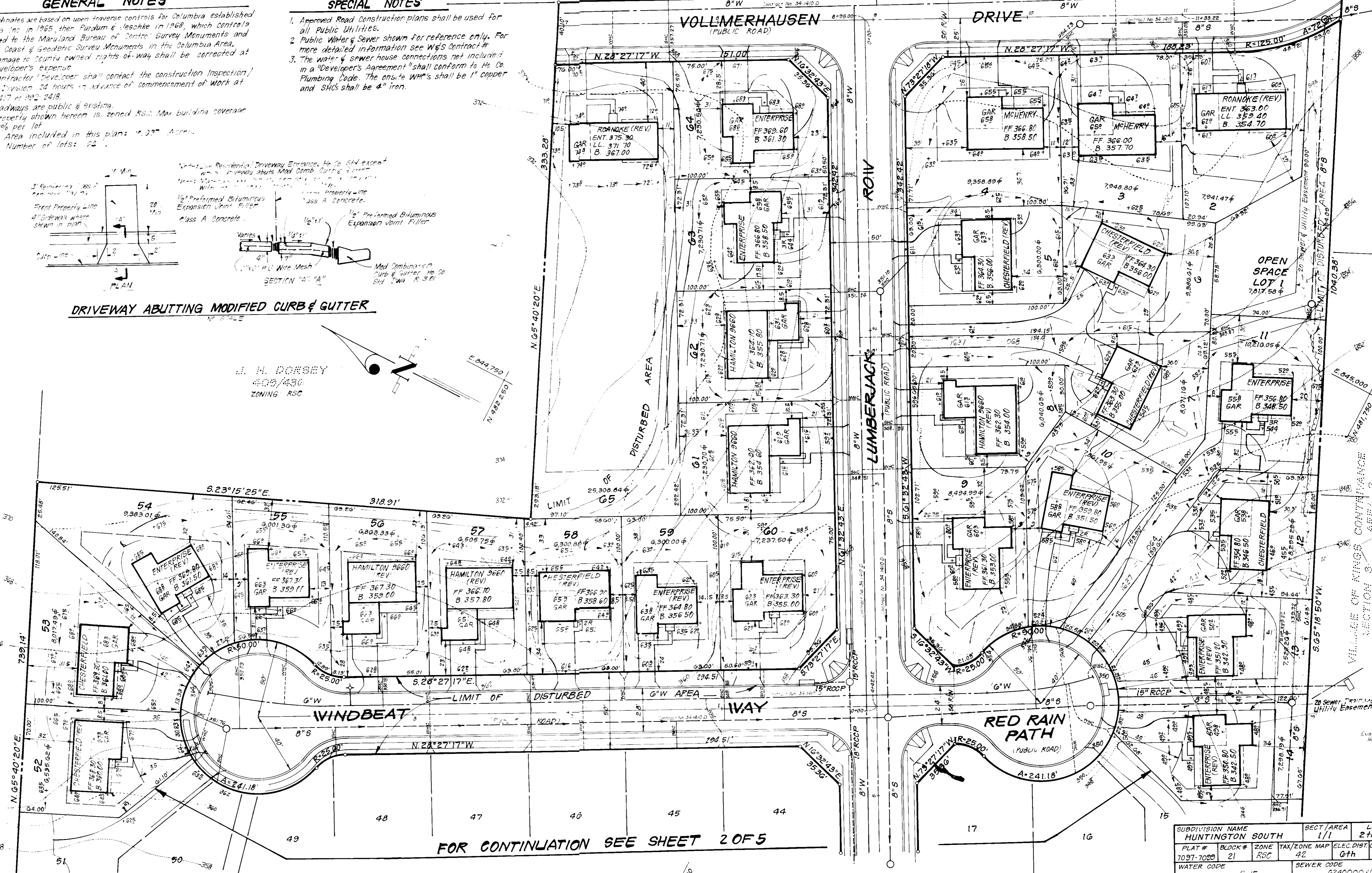
LOT No.	STREET	ADDRESS
2	9471	Vollmerhausen Drive
3	9475	"
4	9471	"
5	9505	Lumberjack Row
6	9509	"
7	9513	"
8	9517	"
9	9521	"
10	9507	Red Rain Path
11	9511	"
12	9515	"
13	9519	"
14	9514	"
52	9535	Windbeat Way
53	9528	"
54	9524	"
55	9520	"
56	9516	"
57	9512	"
58	9508	"
59	9504	"
60	9500	"
61	9512	Lumberjack Row
62	9508	"
63	9504	"
64	9481	Vollmerhausen Drive
65	9485	"

APPROVED
DIVISION OF LAND DEVELOPMENT
ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 12-22-86
M/SFD

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT
COUNTY HEALTH OFFICER [Signature] DATE 1-15-87
APPROVED, HOWARD COUNTY OFFICE OF PLANNING & ZONING
PLANNING DIRECTOR [Signature] DATE 5-15-87
ACTIVE [Signature] DATE 5-15-87
APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DIRECTOR [Signature] DATE 5-8-87
CHIEF BUREAU OF ENGINEERING [Signature]



FOR CONTINUATION SEE SHEET 2 OF 5



SUBDIVISION NAME	HUNTINGTON SOUTH	SECT./AREA	1/1	LOTS	2 thru 65
PLAT #	7097-1020	BLOCK #	21	ZONE	RSC
TAX/ZONE MAP	42	ELEC. DIST.	Census Tr.		
WATER CODE	E-15	SEWER CODE	6240000	6200000	

OWNER/DEVELOPER
SECURITY DEVELOPMENT
PO BOX 417
ELLCOTT CITY, MD 21043



CLARK · FINEFROCK & SACKETT
ENGINEERS · PLANNERS · SURVEYORS
1131E LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593-3400

DESIGNED CMS BAF
DRAWN LAI
CHECKED CMS
DATE 05-16-1986

SITE DEVELOPMENT PLAN
LOTS 2 THRU 65
HUNTINGTON SOUTH
SECTION 1 AREA 1
6th ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

FOR: THE RYLAND GROUP (Columbia Division)
Waterview Office Center
7180 Minnetonka Way, Suite 215
Columbia, Maryland 21046

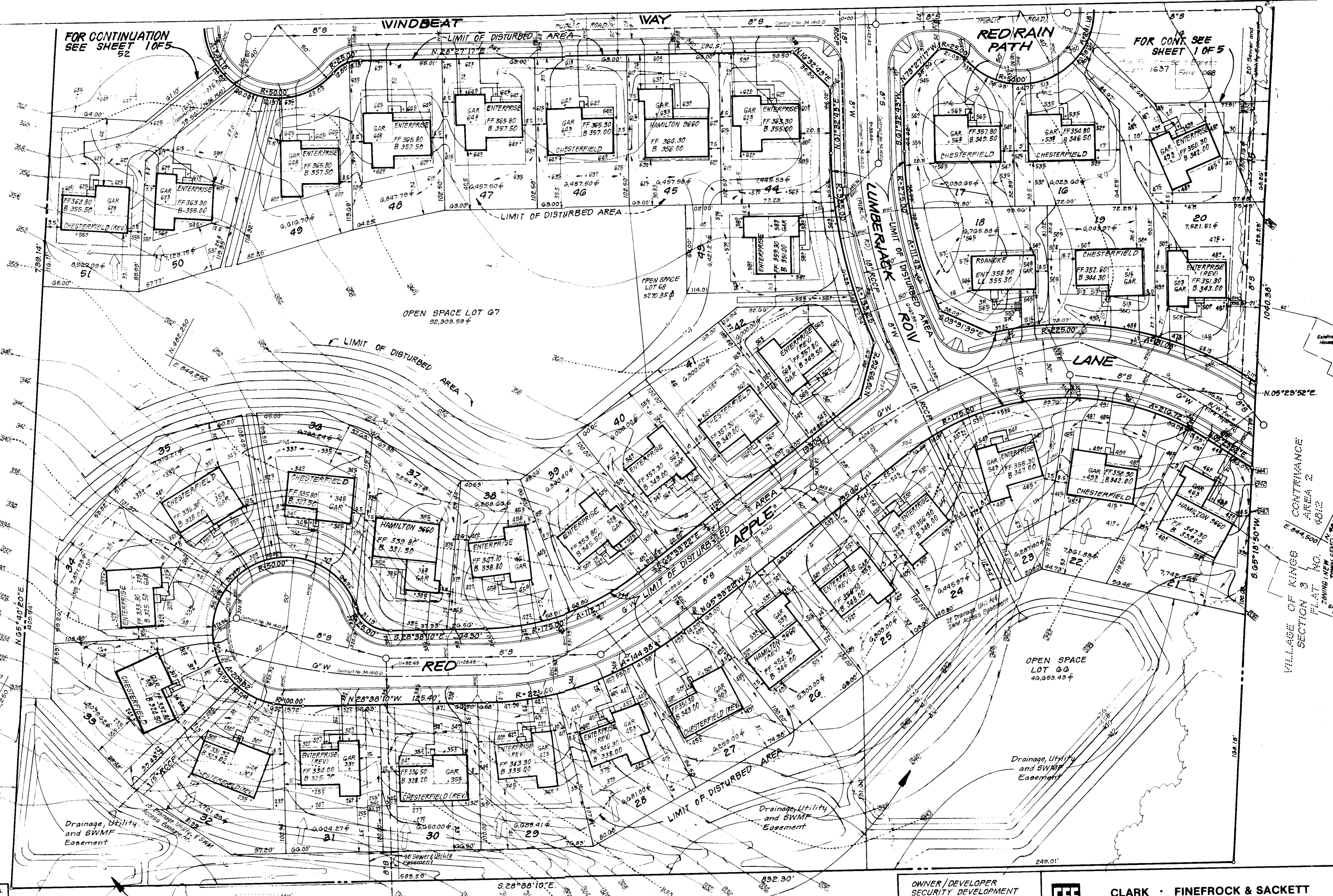
SCALE 1"=30'
DRAWING 1 of 7
JOB NO 86-091
FILE NO 86-091 X

SDP-87-80

LOT No.	STREET	ADDRESS
15	9510 Red Rain Path	
16	9504 " "	
17	9502 " "	
18	9534 Red Apple Lane	
19	9590 " "	
20	9526 " "	
21	9521 " "	
22	9525 " "	
23	9529 " "	
24	9533 " "	
25	9537 " "	
26	9541 " "	
27	9545 " "	
28	9549 " "	
29	9553 " "	
30	9557 " "	
31	9561 " "	
32	9565 " "	
33	9569 " "	
34	9573 " "	
35	9577 " "	
36	9581 " "	
37	9585 " "	
38	9589 " "	
39	9593 " "	
40	9597 " "	
41	9601 " "	
42	9605 " "	
43	9528 Lumberjack Row	
44	9501 Windbeat Way	
45	9505 " "	
46	9509 " "	
47	9513 " "	
48	9517 " "	
49	9521 " "	
50	9525 " "	
51	9529 " "	

APPROVED
 DIVISION OF LAND DEVELOPMENT &
 ZONING ADMINISTRATION
 HOWARD COUNTY, MARYLAND
 DATE 12-22-86
 [Signature]

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS.
 HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER [Signature] DATE 5-15-87
 APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
 PLANNING DIRECTOR [Signature] DATE 5-15-87
 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
 DIRECTOR [Signature] DATE 5-23-87
 CHIEF BUREAU OF ENGINEERING



NOTE: SWM PONDS AND SWALE
 ARE TO BE CONSTRUCTED
 UNDER PREVIOUSLY APPROVED PLANS
 F-...

VILLAGE OF KINGS CONTRIVANCE
 SECTION 3 AREA 2
 FLAT NO. 4412
 ZONING: NEW TOWN SFMD

OWNER/DEVELOPER
 SECURITY DEVELOPMENT
 PO BOX 417
 ELLICOTT CITY, MD 21043

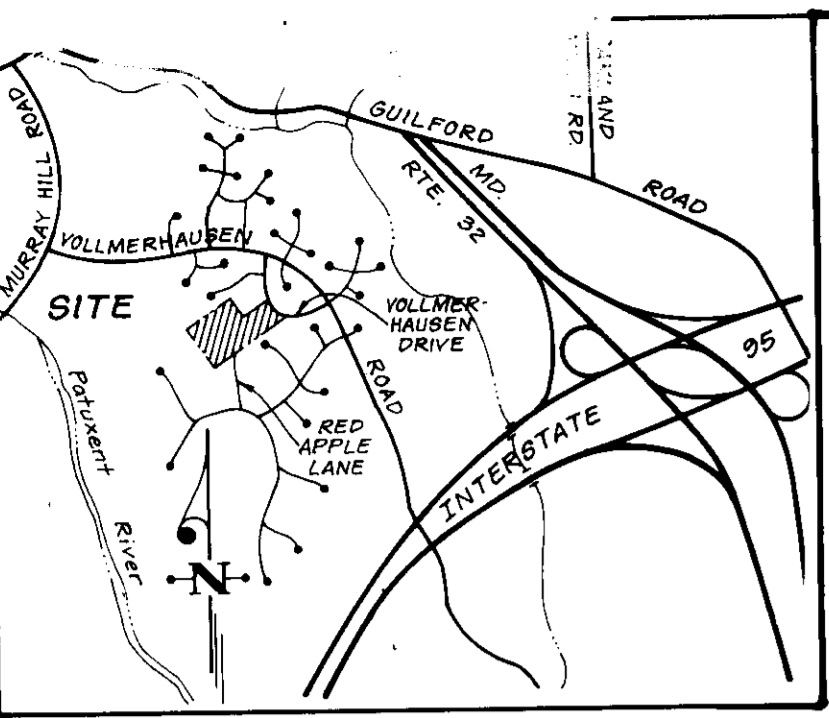
CLARK • FINEFROCK & SACKETT
 ENGINEERS • PLANNERS • SURVEYORS
 11315 LOCKWOOD DRIVE
 SILVER SPRING, MARYLAND 20904 (301) 593-3400

DESIGNED CMS BAF	SITE DEVELOPMENT PLAN LOTS 2 THRU G5 HUNTINGTON SOUTH SECTION 1 AREA 1 GTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND FOR: THE RYLAND GROUP (Columbia Division) Waterbury Office Center 7130 Mineral Way, Suite 215 Columbia, Maryland 21045	SCALE 1" = 30'
DRAWN LAI		DRAWING 2 of 7
CHECKED CMS		JOB NO. 80-091
DATE Oct. 16 1986		FILE NO. 80-091

SDP-87-80

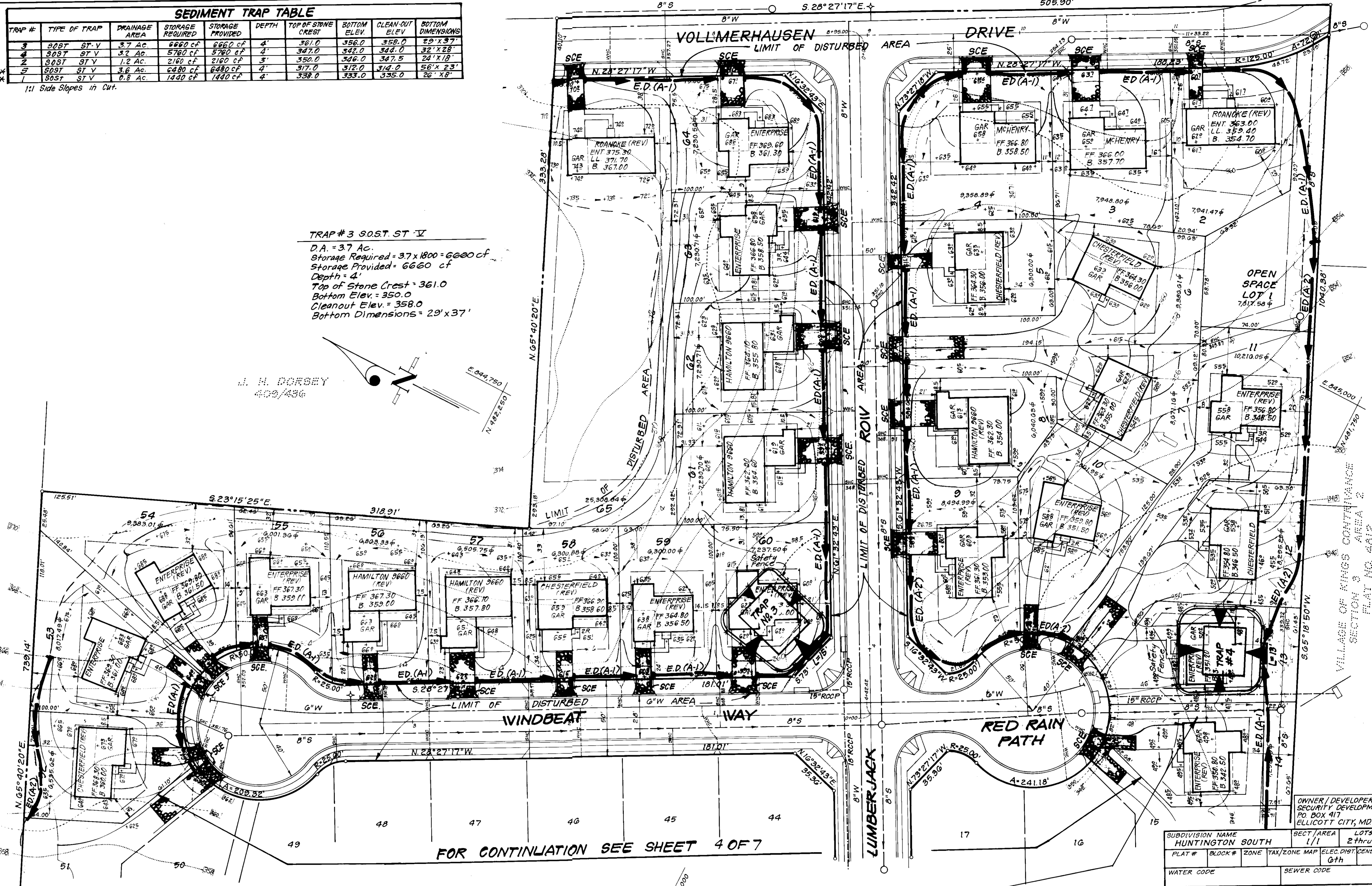
SEDIMENT TRAP TABLE									
TRAP #	TYPE OF TRAP	DRAINAGE AREA	STORAGE REQUIRED	STORAGE PROVIDED	DEPTH	TOP OF STONE CREST	BOTTOM ELEV.	CLEAN-OUT ELEV.	BOTTOM DIMENSIONS
3	S.O.S.T. ST V	3.7 AC.	6660 CF	6660 CF	4'	361.0	350.0	359.0	29' X 37'
4	S.O.S.T. ST V	3.2 AC.	5760 CF	5760 CF	4'	347.0	342.0	344.0	32' X 28'
5	S.O.S.T. ST V	3.6 AC.	6480 CF	6480 CF	4'	317.0	312.0	314.0	26' X 23'

1:1 Side Slopes in Cut.



- VICINITY MAP**
SCALE: 1"=2,000'
- LEGEND:**
- Contour Interval 2'±
 - Existing Contour
 - Proposed Contour
 - Spot Elevation
 - Direction of Drainage
 - Existing Trees to Remain
 - Walk-Out Basement
 - Earth Dike
 - Straw Bale Dike or Silt Fence
 - Stabilized Construction Entrance

TRAP #3 S.O.S.T. ST V
 D.A. = 3.7 Ac.
 Storage Required = 37 x 1800 = 6660 cf
 Storage Provided = 6660 cf
 Depth = 4'
 Top of Stone Crest = 361.0
 Bottom Elev. = 350.0
 Cleanout Elev. = 358.0
 Bottom Dimensions = 29' x 37'



APPROVED
 DIVISION OF LAND DEVELOPMENT &
 ZONING ADMINISTRATION
 HOWARD COUNTY MARYLAND
 DATE 12-22-86
 [Signature]

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,
 HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER [Signature] DATE 5-11-87
 APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
 PLANNING DIRECTOR [Signature] DATE 5-15-87
 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
 DIRECTOR [Signature] DATE 5-8-87
 CHIEF BUREAU OF ENGINEERING [Signature]

"We certify that this plan for proposed project was prepared in accordance with the provisions of the Subdivision Control Act, and that the information furnished is true and correct to the best of our knowledge and belief."
 Signature: [Signature] DATE: 10-17-86
 Signature of Developer/Builder

HOWARD
 Signature: [Signature] DATE: 5-6-87
 Signature: [Signature] DATE: 5/6/87
 Approved

TRAP #4 S.O.S.T. ST V
 D.A. = 3.2 AC.
 Storage Req'd = 32 x 1800 = 5760 cf
 Storage Provided = 5760 cf
 Depth = 4'
 Top of Stone Crest = 347.0
 Bottom Elev. = 342.0
 Cleanout Elev. = 344.0
 Bottom Dimensions = 32' x 28'

Signature: [Signature] DATE: 10-17-86
 Date

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

DESIGNED	BAF	SEDIMENT & EROSION CONTROL PLAN LOTS 2 THRU 65 HUNTINGTON SOUTH SECTION 1 AREA 1 6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND FOR: THE RYLAND GROUP (Columbia Division) Waterview Office Center 7180 Minnetonka Way, Suite 215 Columbia, Maryland 21045	SCALE	1"=30'
DRAWN	LAI		DRAWING	3 of 7
CHECKED	KIW		JOB NO.	86-091
	GVS		FILE NO.	86-091S
DATE	04, 16 1986			

SDP-87-80

FOR CONTINUATION SEE SHEET 4 OF 7

TRAP #2 S.O.S.T. ST I
 D.A. = 1.2 AC.
 Storage Required = 1.2 x 1800 = 2160 cf
 Storage Provided = 2160 cf
 Depth = 3'
 Top of Stone Crest = 350.0
 Bottom Elev. = 346.0
 Cleanout Elev. = 347.5
 Bottom Dimensions = 24' x 18'

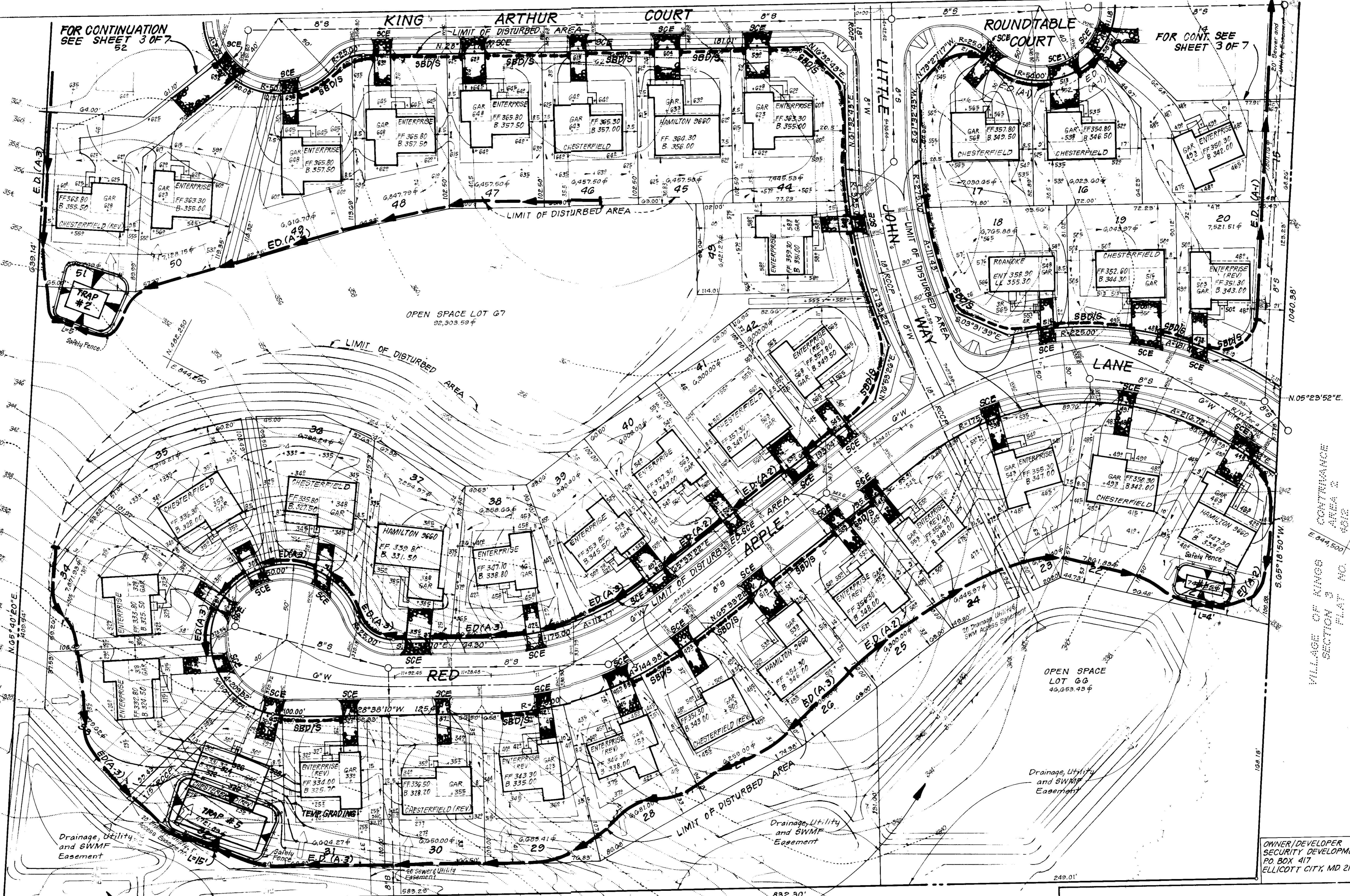
TRAP #5 S.O.S.T. ST I *
 D.A. = 3.6 AC.
 Storage Required = 3.6 x 1800 = 6480 cf
 Storage Provided = 6480 cf
 Depth = 4'
 Top of Stone Crest = 317.0
 Bottom Elev. = 312.0
 Cleanout Elev. = 314.0
 Bottom Dimensions = 56' x 23'
 * 1:1 Side Slopes in cut

HOWARD
James M. Helm 5-6-87

Stephen L. Helm 6/4/87
 Approved

APPROVED
 DIVISION OF LAND DEVELOPMENT
 ZONING ADMINISTRATION
 HOWARD COUNTY, MARYLAND
 DATE: 12-22-86
 278

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT
James M. Helm 5-15-87
 COUNTY HEALTH OFFICER
 APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
James M. Helm 5-15-87
 PLANNING DIRECTOR
 APPROVED: DIVISION OF LAND DEVELOPMENT
 AND ZONING ADMINISTRATION
Stephen L. Helm 5-15-87
 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
Stephen L. Helm 5-11-87
 DIRECTOR
James M. Helm 5-8-87
 CHIEF BUREAU OF ENGINEERING



NOTE: SWM PONDS AND SWALE ARE TO BE CONSTRUCTED BY OTHERS UNDER PREVIOUSLY APPROVED PLANS

VILLAGE OF KINGS CONTRIVANCE
 SECTION 3 AREA 2
 FLAT NO. 4812
 ZONING: NEW TOWN

TRAP #1 S.O.S.T. ST I *
 D.A. = 0.8 AC.
 Storage Required = 0.8 x 1800 = 1440 cf
 Storage Provided = 1440 cf
 Depth = 4'
 Top of Stone Crest = 338.0
 Bottom Elev. = 333.0
 Cleanout Elev. = 335.0
 Bottom Dimensions = 26' x 8'
 * 1:1 Side Slopes in cut

ENGINEER'S CERTIFICATE
 I hereby certify that this plan for... and Sediment Control... is a practical...
James M. Helm 10-17-86
 Date

CLARK · FINEFROCK & SACKETT ENGINEERS · PLANNERS · SURVEYORS 11317 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593-3400		DESIGNED	SEDIMENT & EROSION CONTROL PLAN LOTS 2 THRU G5 HUNTINGTON SOUTH SECTION 1 AREA 1 6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND	SCALE
		DRAWN		1" = 30'
CHECKED		JOB NO.	86-091	
DATE		FILE NO.	86-091S	
		FOR: THE RYLAND GROUP (Columbia Division) Waterview Office Center 7190 Minnetonka Way, Suite 215 Columbia, Maryland 21045		

SDP-87-80

SEEDING 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. (992-2417)
- 2) All seeding and structural practices are to be installed in accordance to the provisions of this plan and are to be in accordance 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) 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	10.937 Acres
Area Disturbed	10.200 Acres
Area to be roofed or paved	3.153 Acres
Area to be vegetatively stabilized	7.047 Acres
Total Cut	33,319 Cu. yds
Total Fill	21,650 Cu. yds
Offsite water/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 DWM sediment control inspector.
- 10) On all sites with disturbed areas in excess of 2 acres, approval of the inspection agency shall be requested upon completion of installation of perimeter erosion and sediment controls, but before proceeding with any other earth disturbance or grading. Other building or grading inspection approvals may not be authorized until this initial approval by the inspection agency is made.
- 11) If houses are to be constructed on an "As-Sold" basis, at London, Single Lot Sediment Control as shown below shall be implemented.
- 12) All pipes to be blocked at the end of each day (see detail below). N/A
- 13) The total amount of straw bale dikes/silt fence equals 1000 L.F.

Apply to graded or cleared areas not subject to immediate further disturbance where a permanent long-lived vegetative cover is needed.

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

Soil Amendments: In lieu of soil test recommendations, use one of the following schedule:

- 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 unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using straw anchoring tool or 218 gallons per acre (5 gal/1000 sq ft) of emulsified asphalt mulch anchoring tool or 218 gal per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 348 gallons per acre (8 gal/1000 sq ft) for anchoring.

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

TEMPORARY SEEDING NOTES

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

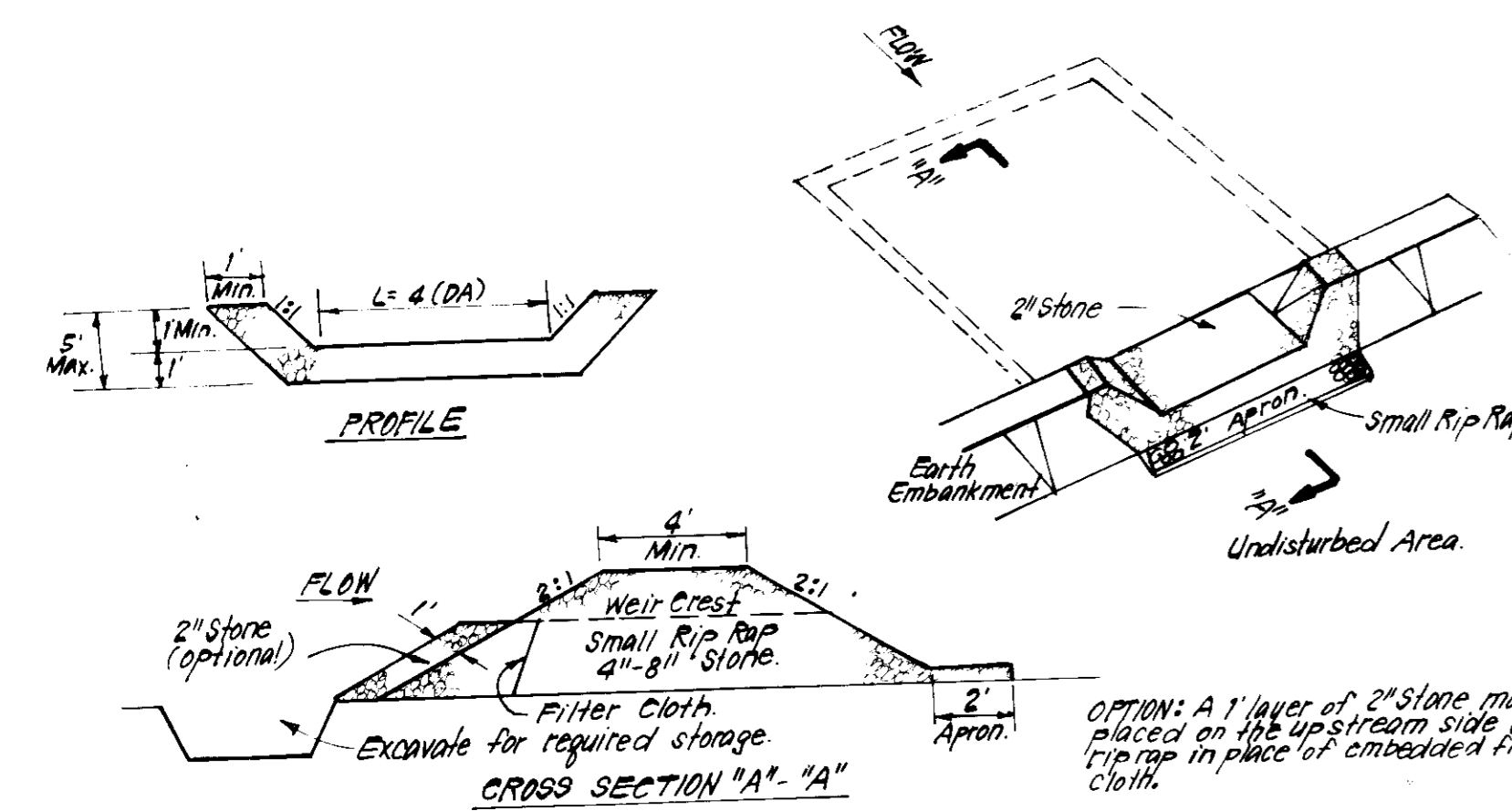
Seeding Preparation: Loosen upper three inches of soil by raking, disking or other acceptable means before seeding.

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 ryegrass (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.

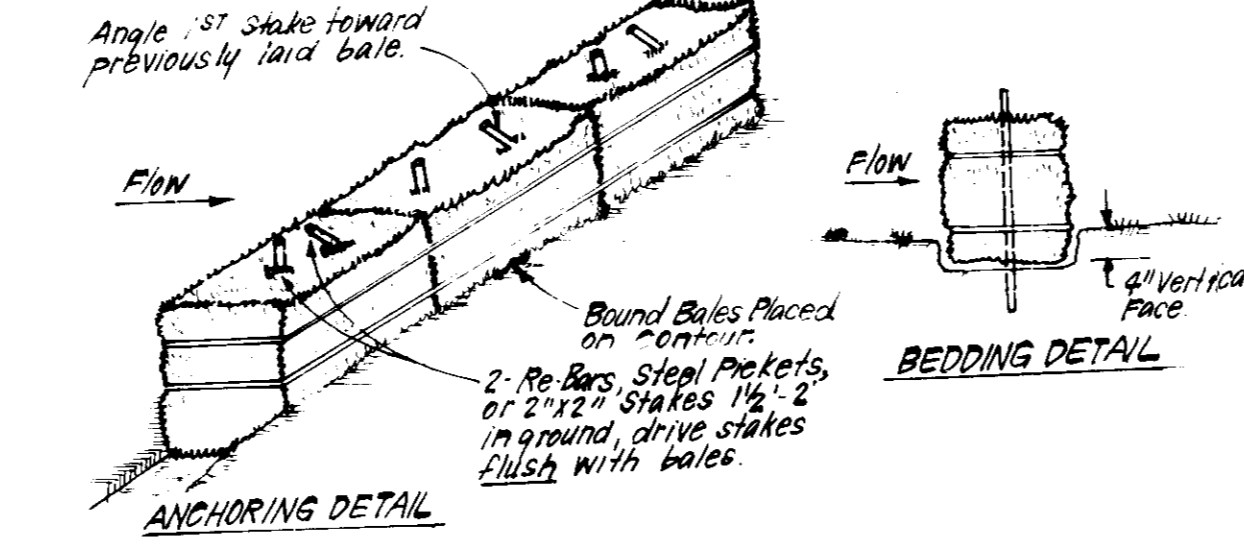
Refer to the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for rate and methods not covered.



CONSTRUCTION SPECIFICATIONS:

1. Area under embankment shall be cleared, grubbed and stripped of any vegetation and roof mat. The top area shall be cleared.
2. The fill material for the embankment shall be free of rocks and other woody vegetation as well as ever-sized stones, rocks, organic material or other objectionable material. The embankment shall be compacted by traversing with equipment while it is being constructed.
3. All cut and fill slopes shall be 3:1 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 on 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.

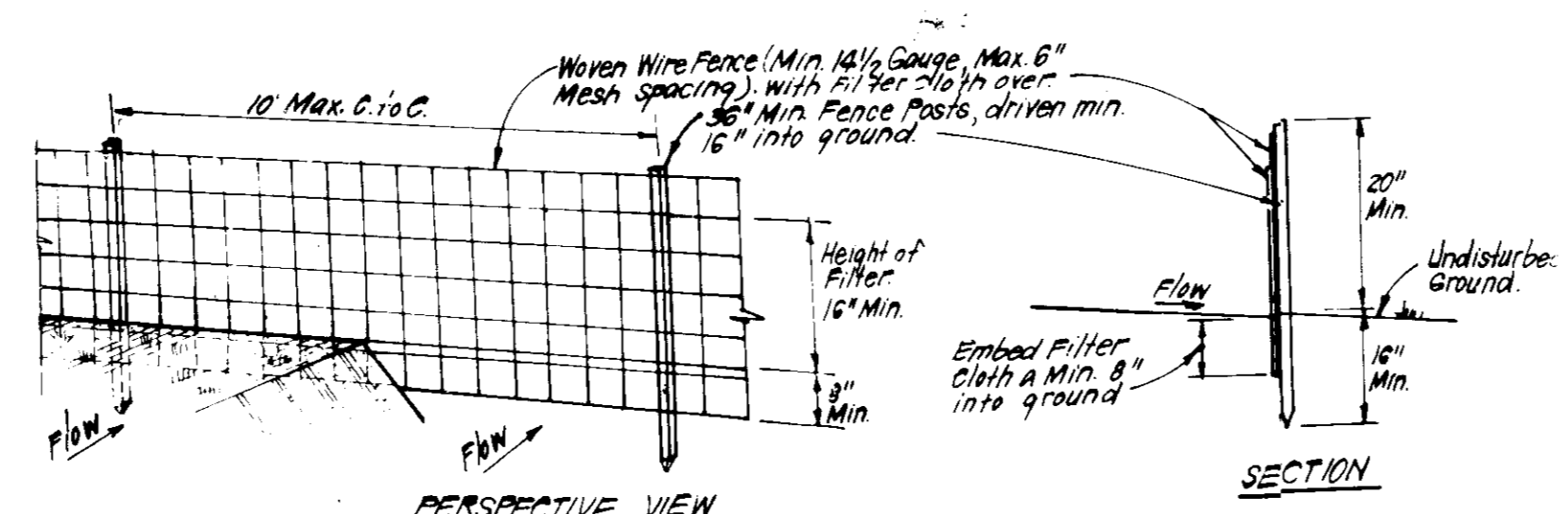
STONE OUTLET SEDIMENT TRAP (S.O.S.T.) STV.
NO SCALE



CONSTRUCTION SPECIFICATIONS:

1. Bales shall be placed at the top of a slope or on the contour and in a row with ends tightly abutting the adjacent bales.
2. Each bale shall be embedded in the soil a min of 4" and placed so the bindings are horizontal.
3. Bales shall be securely anchored in place by either 2 stakes or re-bars driven thru the bale. The 2nd stake in each bale shall be driven toward the previously laid bale at an angle to force the bales together. Stakes shall be 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 24" at top and mid section.
3. When 2 sections of filter cloth adjoin each other they shall be overlapped by 6" and fastened.
4. Maintenance shall be performed as needed and material removed when "mounds" develop in silt fence.

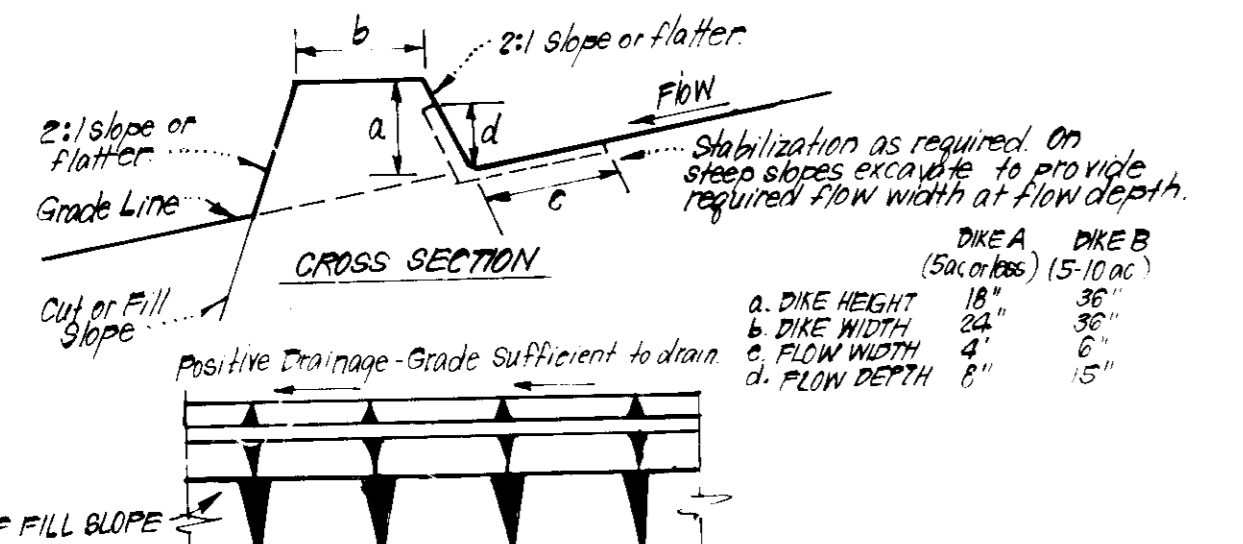
POSTS: Steel, either T or U Type or 2" Hardwood

FENCE: Woven Wire, 1 1/4 Gauge, 6" Max. Mesh Opening

FILTER CLOTH: Filter Cloth, Min. 100% Stabilization, 100% Approval

PREFABRICATED UNIT: Geotextiles, Envirofence, or approved equal

SILT FENCE DETAIL (S)
NO SCALE



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.

EARTH DIKE DETAIL (E.D.)
NO SCALE

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

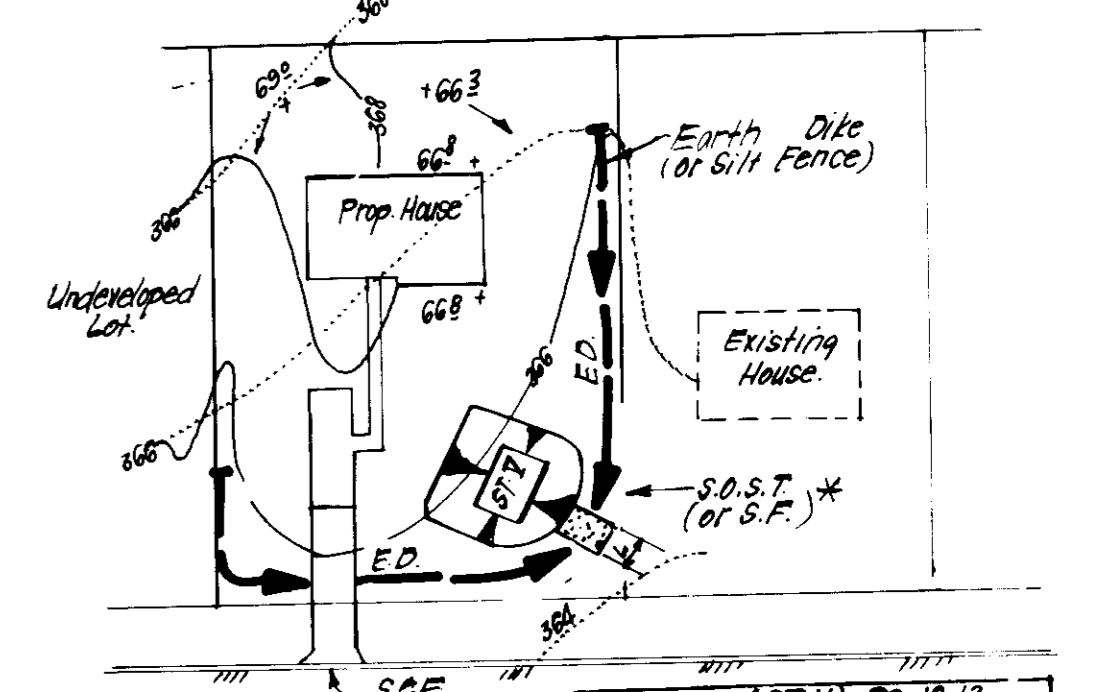
A Stone to be 2" Stone, or recycled concrete equivalent, in a layer at least 3" thick and be pressed into soil with construction equipment.

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.

- Construction Sequence
1. Obtain Grading Permit. 3 days
 2. Construct Sediment & Erosion Control measures. 30 days
 3. Clear & rough grade site. 60 days
 4. Construct houses, driveways & walks except on Lots 13, 32 and 60. 180 days
 5. Stabilize all other disturbed areas on site in accordance with stds. & specs. 30 days
 6. Upon approval of Sediment Control Inspector, remove Sediment & Erosion Control and stabilize. 14 days
 7. Install single lot Sediment Control for Lots 13, 32 & 60. 7 days
 8. Construct houses, driveways and walks on Lots 13, 32 & 60. 90 days
 9. Stabilize all other dist. areas on Lots 13, 32 & 60. 14 days
 10. Upon approval of the Sediment Control Inspector remove S & E Control and stabilize. 14 days



* 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.

DIKE A	DIKE B	DIKE C
16"	36"	66"
24"	36"	66"
4"	6"	6"
8"	12"	12"

SINGLE LOT SEDIMENT CONTROL PLAN
NO SCALE

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

COUNTY HEALTH OFFICER: *[Signature]* DATE: 5-11-87

APPROVED, HOWARD COUNTY OFFICE OF PLANNING & ZONING

PLANNING DIRECTOR: *[Signature]* DATE: 5-15-87

ACTING: *[Signature]* DATE: 5-15-87

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

DIRECTOR: *[Signature]* DATE: 5-11-87

CHIEF BUREAU OF ENGINEERING: *[Signature]* DATE: 5-11-87

APPROVED

DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION

HOWARD COUNTY, MARYLAND

DATE: 12-22-86

[Signature]

STABILIZED CONSTRUCTION ENTRANCE (SCE)
NO SCALE

We hereby certify that all work shown on this plan was done in accordance with the specifications and standards for sediment control and stabilization shown on this plan.

Signature of Developer/Builder: *[Signature]* DATE: 10-17-86

Signature of Inspector: *[Signature]* DATE: 10-17-86

HOWARD

Signature: *[Signature]* DATE: 5-6-87

Signature: *[Signature]* DATE: 10-17-86

Signature: *[Signature]* DATE: 10-17-86

Signature: *[Signature]* DATE: 10-17-86

OWNER / DEVELOPER
SECURITY DEVELOPMENT
PO BOX 417
ELLCOTT CITY, MD 21043

CLARK · FINEFROCK & SACKETT
ENGINEERS · PLANNERS · SURVEYORS

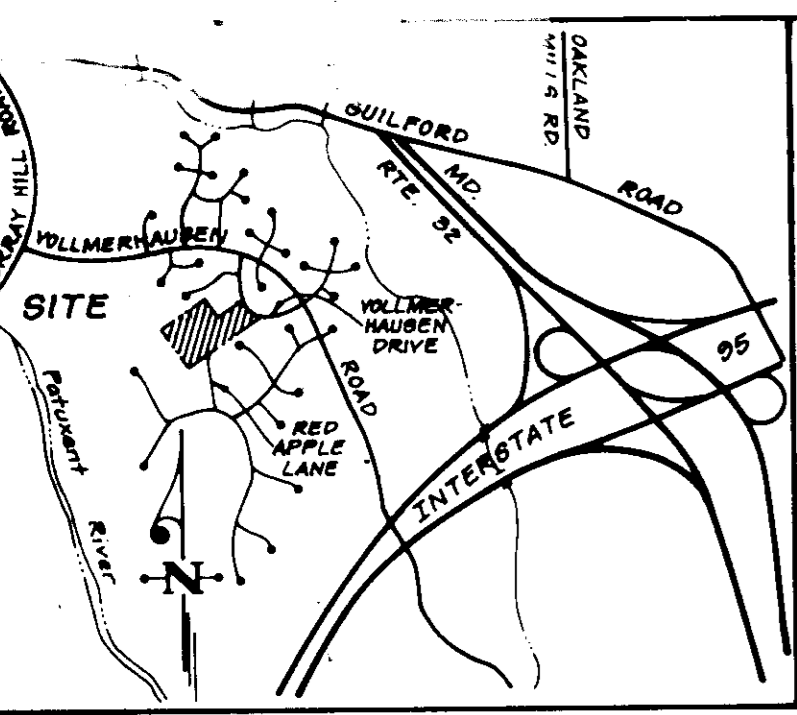
11317 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 301-593-3400

DESIGNED	BAF	SEDIMENT & EROSION CONTROL PLAN	SCALE	1"=30'
DRAWN	LAI	LOTS 2 THRU 65	DRAWING	5 of 7
CHECKED	KIW	HUNTINGTON SOUTH	JOB NO	86-091
	CJS	SECTION 1 AREA 1	FILE NO	86 091 SE
DATE	FOR	HOWARD COUNTY, MARYLAND		
10-16 1986		THE RYLAND GROUP		

SDP-87-80

PLANT SCHEDULE

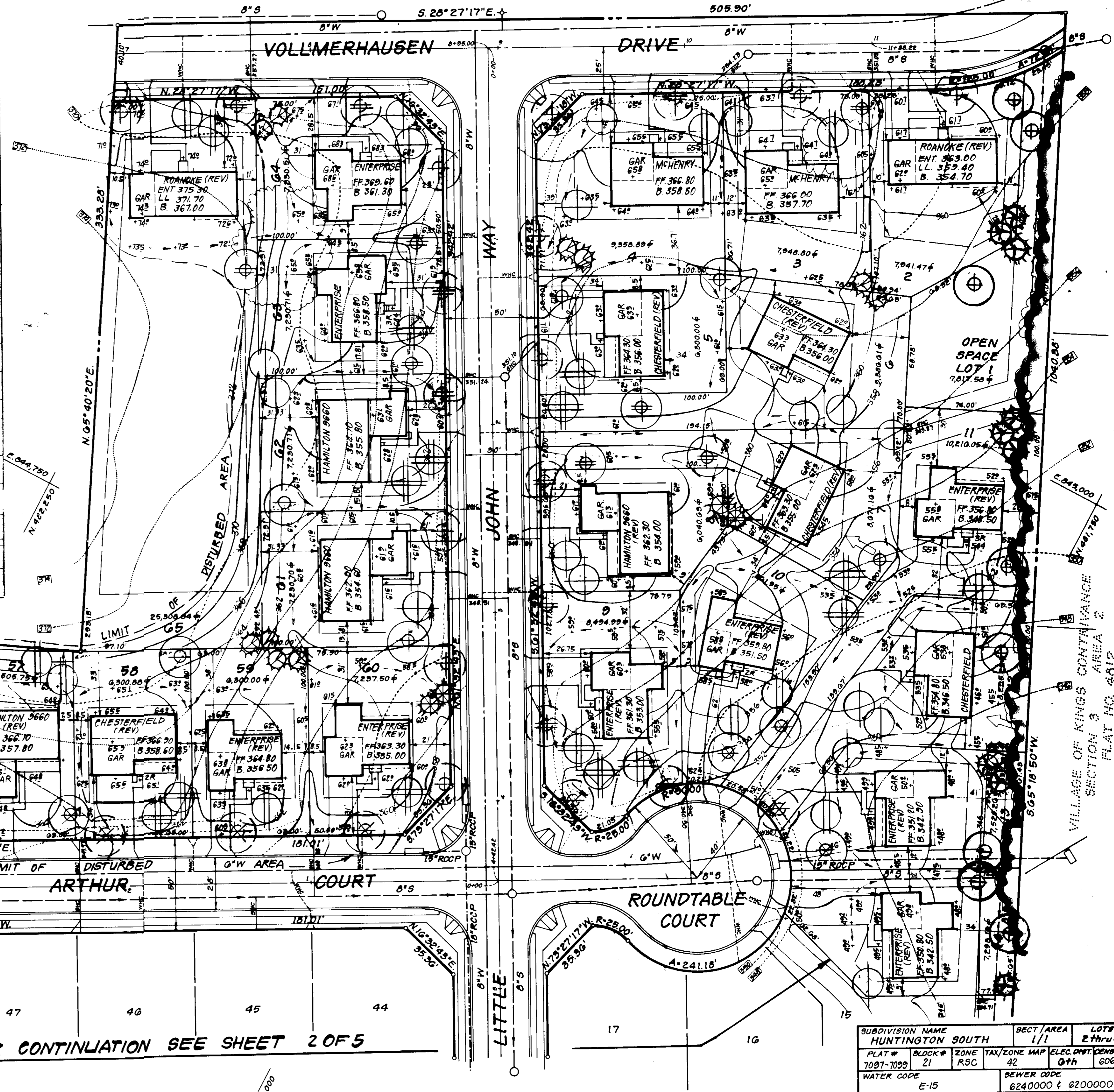
KEY	PLANT NAME	SIZE	QUANT	REMARKS
⊕	ACEP. RUBRUM 'RED SUNSET' RED SUNSET MAPLE	2 1/2" CAL 12-14' HT.	21	B & B HEAVY HEADS
⊙	QUERCUS PALUSTRIS PIN OAK		14	
⊙	QUERCUS RUBRA NORTHERN RED OAK		21	
⊕	ACEP. SACCHARUM 'GR. MT.' GREEN MOUNTAIN SUGAR MAPLE		12	
⊕	ZELKOVA SEPPATA JAPANESE ZELKOVA		4	
⊕	ACEP. RUBRUM 'RED SUNSET' RED SUNSET MAPLE		11	
⊙	QUERCUS PALUSTRIS PIN OAK		15	
⊙	QUERCUS RUBRA NORTHERN RED OAK		10	
⊕	ACEP. SACCHARUM 'GR. MT.' GREEN MOUNTAIN SUGAR MAPLE		7	
⊕	ZELKOVA SEPPATA JAPANESE ZELKOVA		1	
⊕	PRUNUS SEPP. 'KWANZAN' KWANZA CHERRY	2 1/2" CAL 8-10' HT.	28	
⊕	CORNUS FLORIDA FLOWERING DOGWOOD		43	
⊕	PRUNUS CEP. 'THUNDERCLOUD' PURPLELEAF FLOWERING PLUM		27	
⊕	MALUS 'PINK SPIRES' PINK SPIRES CRAB		50	
⊕	PINUS STROBUS EASTERN WHITE PINE	6-8' HT.	16	B & B HEAVY
⊕	PINUS THUNDERGII JAPANESE BLACK PINE		12	
⊕	ACEP. RUBRUM RED MAPLE	2 1/2" CAL 12-14' HT.	29	B & B HEAVY HEADS
⊕	QUERCUS PALUSTRIS PIN OAK		16	
⊕	PINUS STROBUS EASTERN WHITE PINE	6-8' HT.	44	B & B HEAVY



- LEGEND:**
- Contour Interval 2' (1" = 2,000')
 - Existing Contour 2' (1" = 2,000')
 - Proposed Contour 2' (1" = 2,000')
 - Spot Elevation 1" = 2,000'
 - Direction of Drainage
 - Existing Trees to remain
 - Walk-Out Basement

- NOTE 3**
- CONTRACTOR SHALL VERIFY LOCATION OF UNDERGROUND UTILITIES PRIOR TO DIGGING.
 - SUBSTITUTIONS MAY BE PERMITTED WITH THE APPROVAL OF THE LANDSCAPE ARCHITECT, 593-3400.
 - ALL PLANTING SHALL BE DONE IN ACCORDANCE WITH ATTACHED SPECIFICATION.
 - THIS PLAN SUPERSEDES PREVIOUS PLANTING PLAN (DATED 6-19-86) FOR STREET TREES ONLY.

6-12-87 ADD STREET TREE AND LOT PLANTING



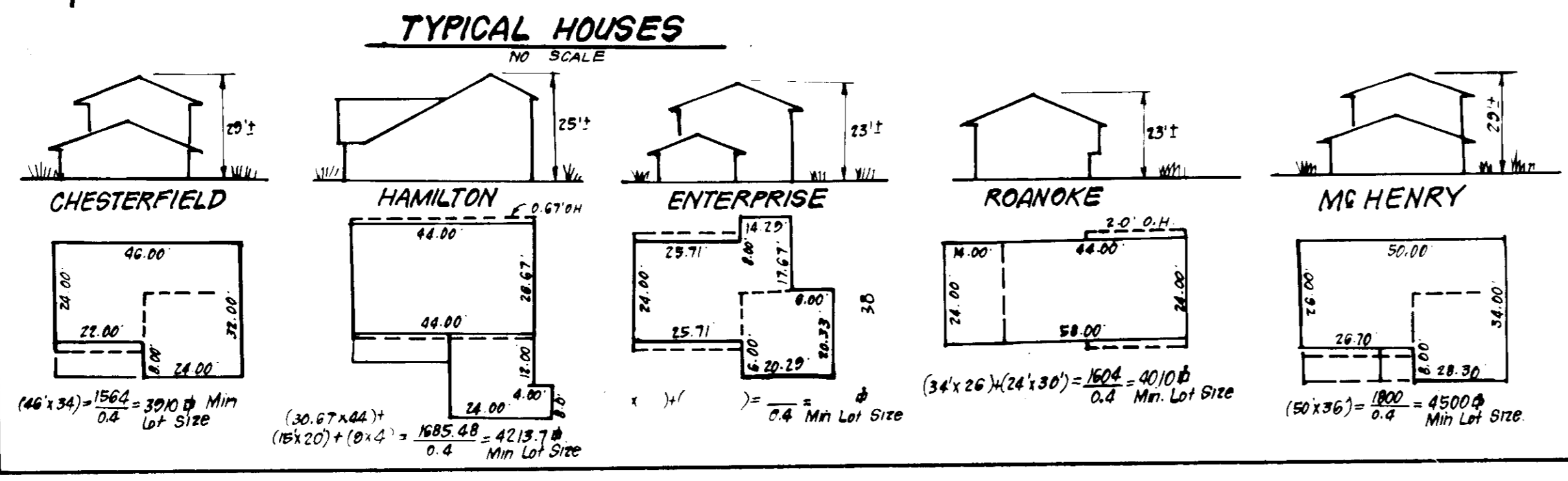
APPROVED
DIVISION OF LAND DEVELOPMENT &
ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 12-22-86
1778

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,
HOWARD COUNTY HEALTH DEPARTMENT
COUNTY HEALTH OFFICER: *W. Boyle* DATE 5-15-87

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
PLANNING DIRECTOR: *William Haney* DATE 5-15-87

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE,
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DIRECTOR: *W. N. Nunn* DATE 5-11-87

CHIEF BUREAU OF ENGINEERING: *W. F. F. F.* DATE 5-8-87



FOR CONTINUATION SEE SHEET 2 OF 5

OWNER/DEVELOPER
SECURITY DEVELOPMENT
PO BOX 417
ELLCOTT CITY, MD 21043

CLARK • FINEFROCK & SACKETT
ENGINEERS • PLANNERS • SURVEYORS
11315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 983-3400

DESIGNED: *W. F. F. F.*
DRAWN: *W. F. F. F.*
CHECKED: *W. F. F. F.*
DATE: 06-16-1988

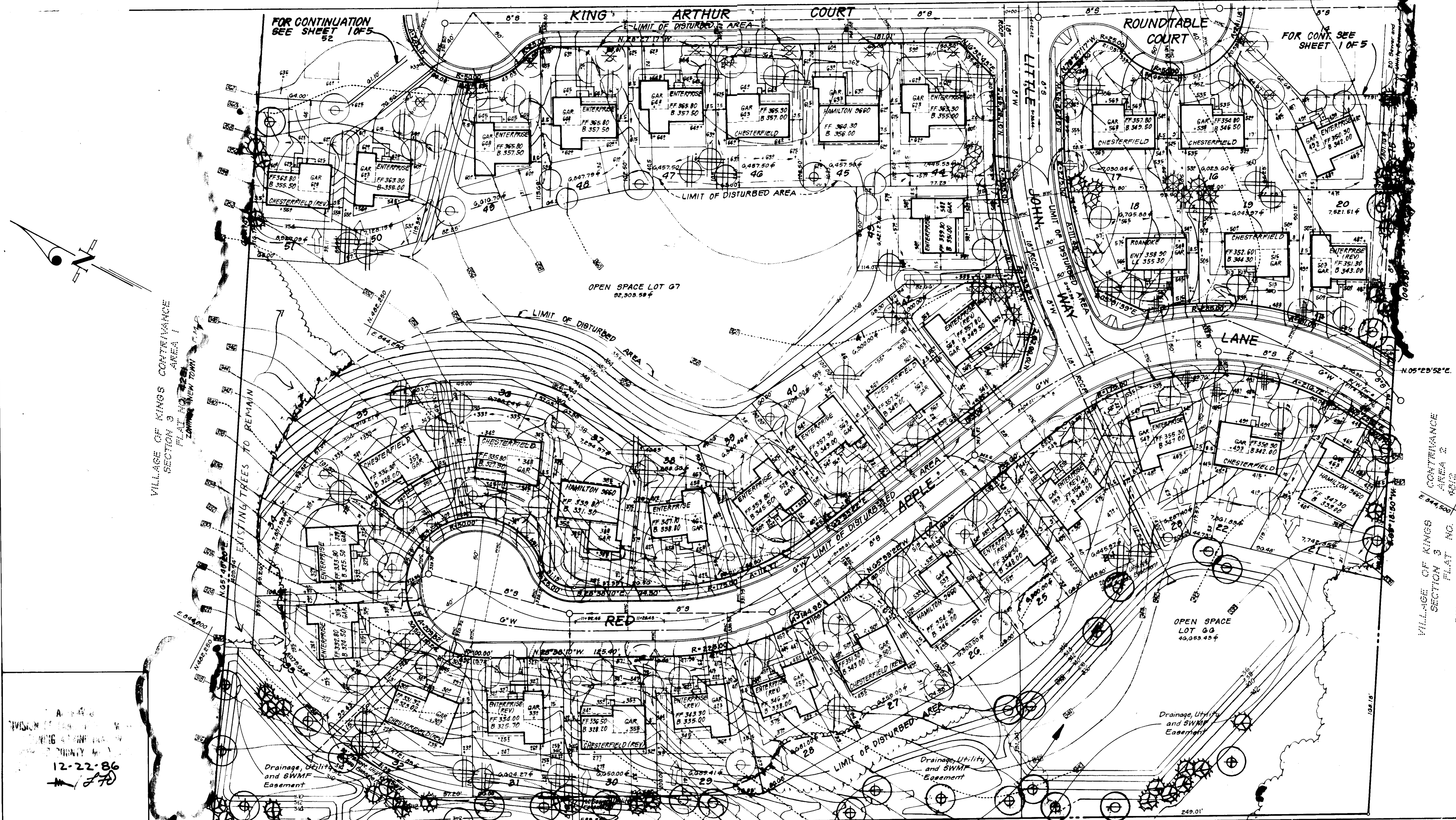
LANDSCAPE PLANTING PLAN
LOTS 2 THRU G5
HUNTINGTON SOUTH
SECTION 1 AREA 1
6th ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

SCALE: 1" = 30'
DRAWING: 1 OF 7
JOB NO.: 86-091
FILE NO.: 86-091 LS

FOR: THE RYLAND GROUP (Columbia Division)
Water/Wire Office Center
7180 Mineral Way, Suite 215
Columbia, Maryland 21042

SDP-87-80

SUBDIVISION NAME	HUNTINGTON SOUTH	SECT./AREA	1/1	LOTS	2 thru 05
PLAT #	10971-7029	BLOCK	21	ZONE	RSC
TAX/ZONE MAP	42	ELEC. DIST.	0th	CENSUS TR.	6002
WATER CODE	E-15	SEWER CODE	6240000 & 6200000		



APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER DATE 5-15-87
 APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING
 PLANNING DIRECTOR DATE 5-15-87
 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
 DIRECTOR DATE 5-8-87
 CHIEF BUREAU OF ENGINEERING

Drainage, Utility and SWMF Easement

Drainage, Utility and SWMF Easement

NOTE: SWM PONDS AND SWALE ARE TO BE CONSTRUCTED UNDER PREVIOUSLY APPROVED PLANS

VILLAGE OF KINGS CONTRIVANCE SECTION 3 AREA 2 FLAT NO. 4612 ZONING: NEW TOWN S.F.M.D.

CLARK · FINEFROCK & SACKETT ENGINEERS · PLANNERS · SURVEYORS 11315 LOCKWOOD DRIVE · SILVER SPRING, MARYLAND 20904 (301) 583-3400	
DESIGNED KEM	SCALE 1" = 30'
DRAWN PBT	DRAWING 1
CHECKED WHT	JOB NO. 80-091
DATE Oct. 17 1986	FILE NO. 80-091
LANDSCAPE PLANNING PLAN LOTS 2 THRU 65 HUNTINGTON SOUTH SECTION 1 AREA 1 6th ELECTION DISTRICT HOWARD COUNTY, MARYLAND	
OWNER / DEVELOPER SECURITY DEVELOPMENT P.O. BOX 417 ELLICOTT CITY, MD 21043	
FOR: THE RYLAND GROUP (Columbia Division) Waterman Office Center 7130 Minutrel Way, Suite 215 Columbia, Maryland 21045	

SDP-87-80