

LEGEND

- Contour Interval 2 ft
- Ex. Contour 410
- Prop Contour 410
- Spot Elevation x 100
- Direction of Drainage
- Walk-Out Basement
- Ex Trees
- Trees to be Saved

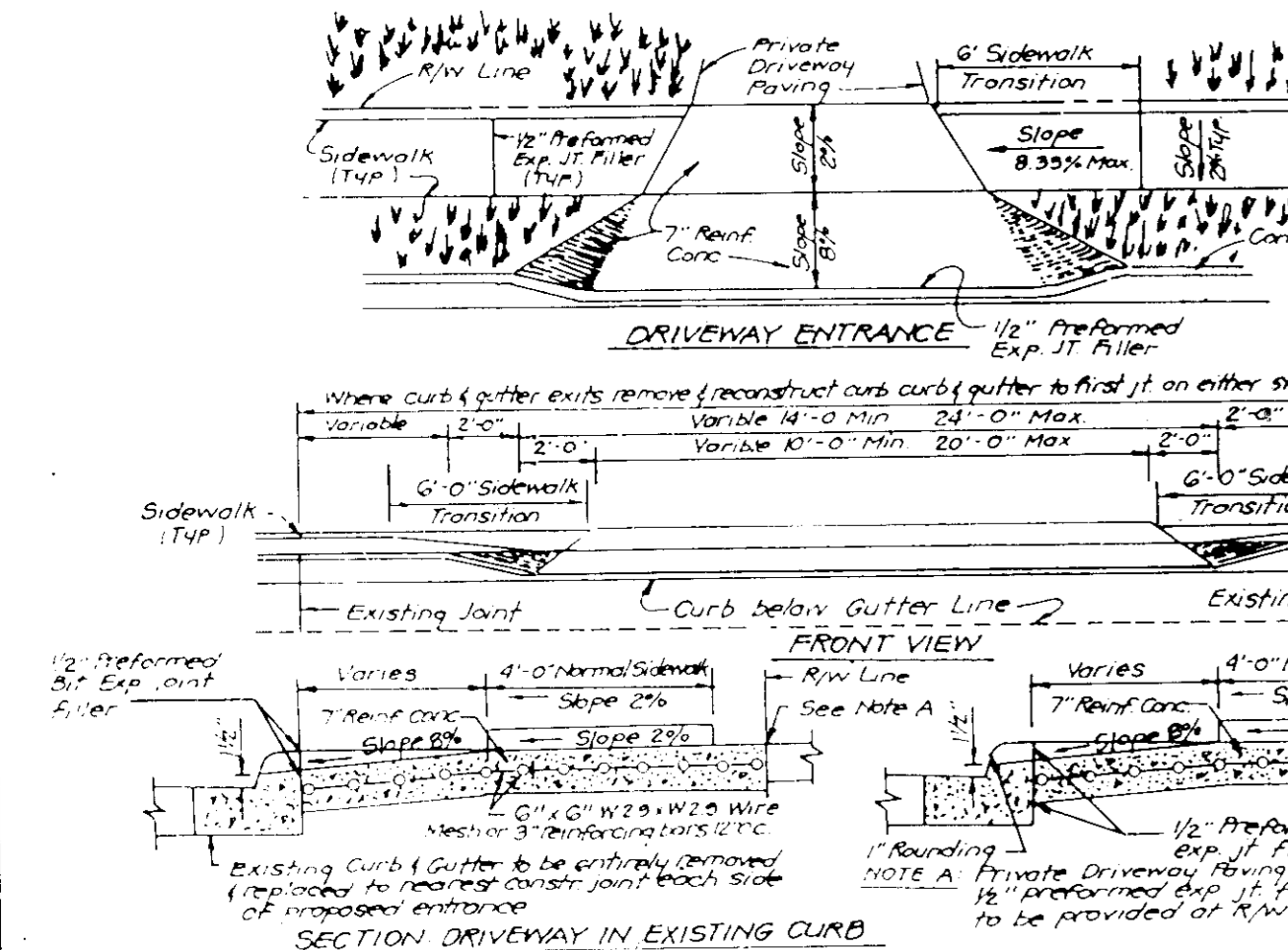
REVISIONS

No	REVISIONS	Date
1	Rev hse & grd lots 104, 107, 109 & 110 From E's to M's	8-24-89
2	Separate driveways on lots 108 & 109 as per clients request	9-14-89
3	Combine driveways on lots 109 & 109 add Libber & Folio as per clients request	11-22-89
4	Rev hse & grd lot 110 for Douglas Homes Brentwood	5-29-91
5	Rev hse & grd lots 103 & 104 as requested by Fisher, Collins & Carter, Inc	6-11-91

PLANT SCHEDULE

KEY	PLANT NAME	SIZE	QTY	REMARKS
⊕	NEEDLELEAF EVERGREENS GREEN FRUITING BURNING MAPLE	2 1/2" C. 12-14" HT.	3	B&P JEANY
⊕	RED CEDAR	↓	1	
⊕	PRUNUS x TENDERLEAF PIFFLEAF PL. FLUM	2 1/2" C. 6-10" HT.	3	
⊕	FRANKLIN YEW YEWING CHERRY	↓	1	
⊕	PHILLY STRAWBERRY LILLY PINE	6-8" HT.	7	

NOTE:
 ALL PLANTING TO BE DONE IN ACCORDANCE WITH B&P/CM&H
 LANDSCAPE OPERATIONS OF S.C.S.M.H.
 ALL PLANT MATERIAL TO MEET A.D.H. STANDARDS.
 CONTRACTOR TO VERIFY LOCATION OF UTILITIES PRIOR TO PLANTING.

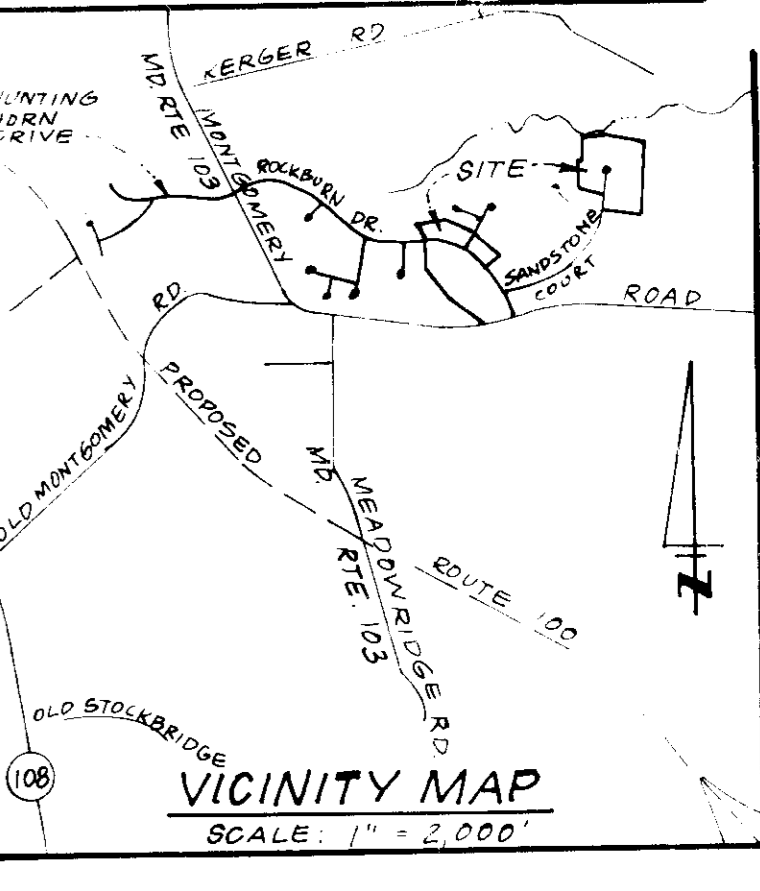
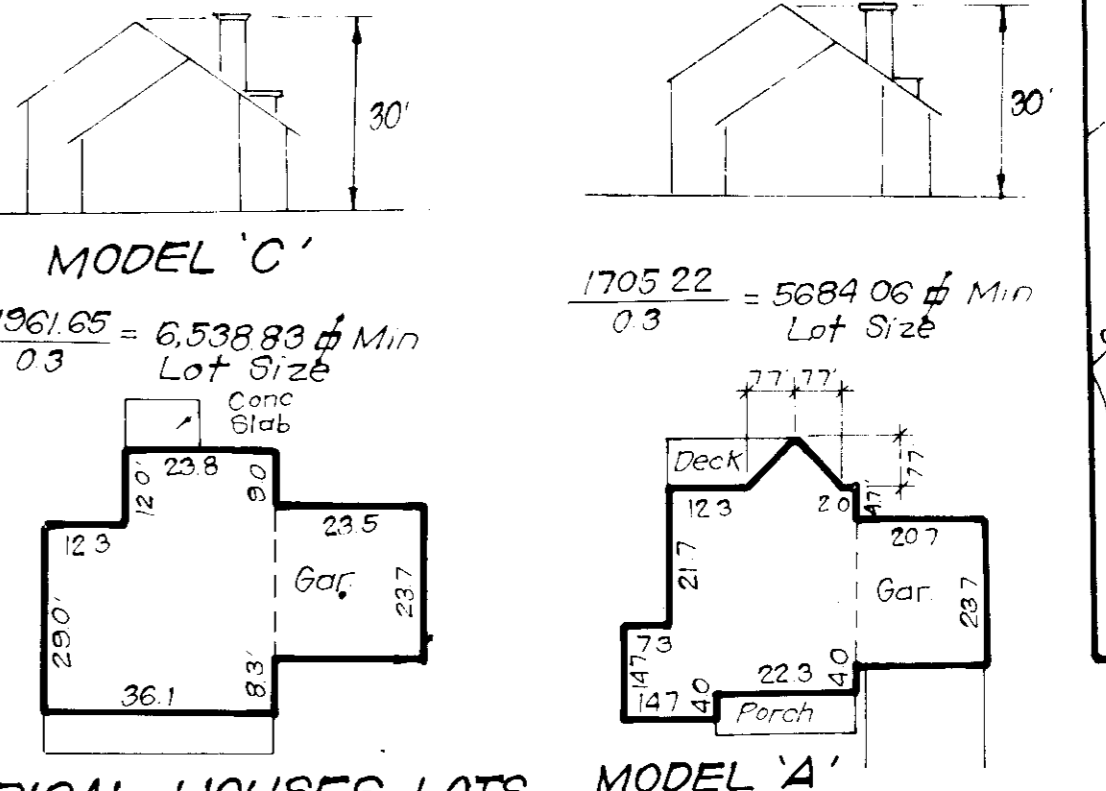
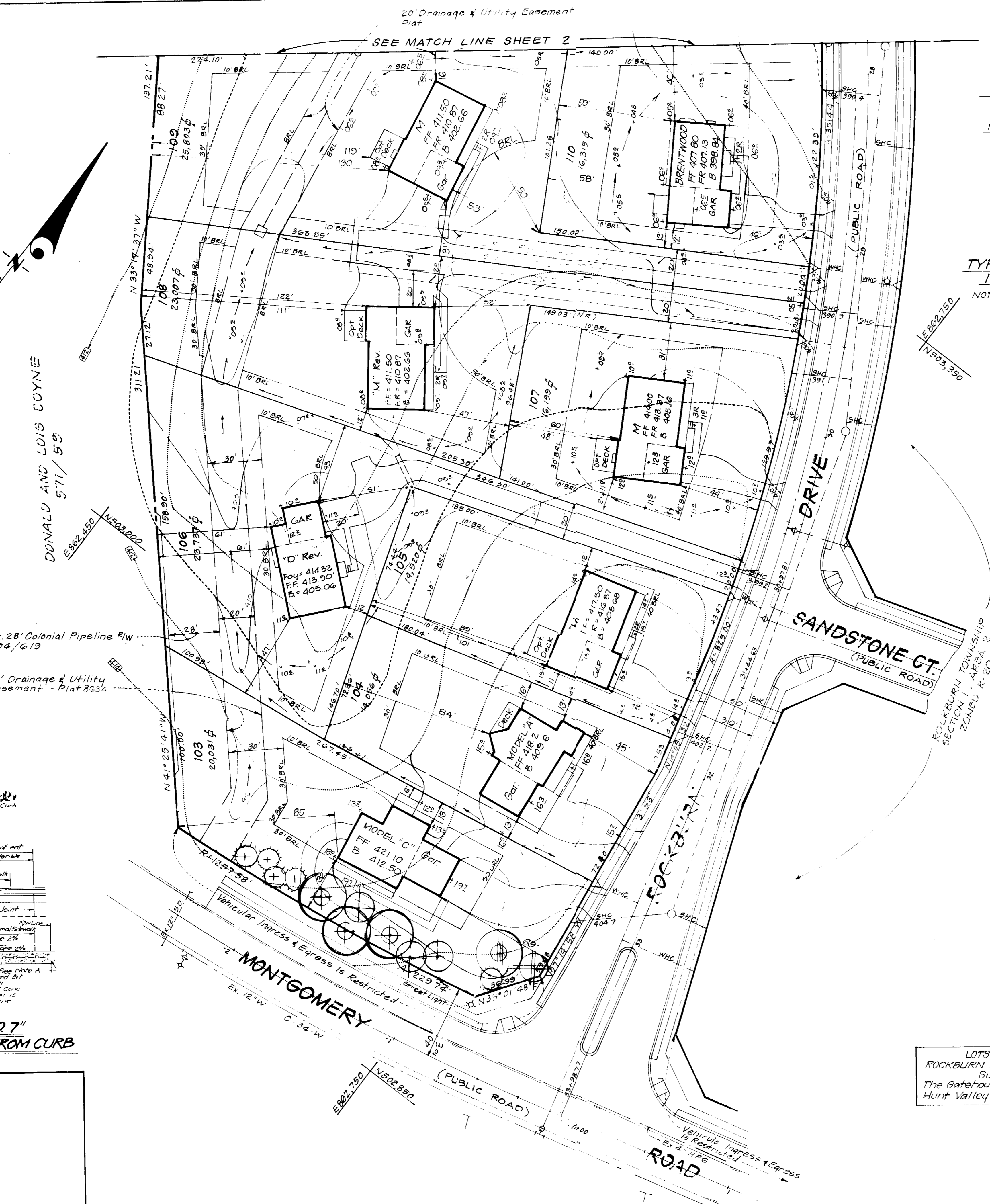


DRIVEWAY ABUTTING CLOSED SECTION WITH STD. 7" COMB. CURB & GUTTER & SIDEWALK SET BACK FROM CURB

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER: [Signature] DATE: 7-1-91

APPROVED HOWARD COUNTY DEPT. OF PLANNING & ZONING
 DIRECTOR: [Signature] DATE: 7/12/91
 CHIEF DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT: [Signature] DATE: 7/11/91

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DIRECTOR: [Signature] DATE: 6/26/91
 CHIEF BUREAU OF ENGINEERING: [Signature] DATE: 6/26/91



- GENERAL NOTES**
- Subject property zoned R-20 per Comprehensive Zoning Plan dated 8-2-85.
 - The coordinates shown hereon are based on the Maryland State Grid System and derived from the following Howard County Control Stations: 2644004 and 2644005.
 - All roads are public and existing.
 - Any damage to County owned rights-of-way to be corrected at the Developer's expense.
 - Total area included: 1456 Acres.
 - Total number of Lots: 20.
 - The contractor or developer shall contact the Construction Inspection / Survey Division, 24 hrs in advance of commencement of work at 792-2630.
 - Existing topography taken from plans prepared by Fisher, Collins and Carter, Inc.
 - Maximum Lot Coverage is 30%.
 - Reference File No: S-87-26, P87-58, F-88-2734, WP88-58.
 - Improvement to property: Single Family Detached Units.

- SPECIAL NOTES**
- Approved Road Construction Plans shall be used for all public utilities.
 - The water and sewer house connections not included in a "Developer's Agreement" shall conform to Howard County Plumbing Code. The on-site WHC shall be 1" copper and SHC shall be 4" iron.
 - Public Water and Sewer shown for reference only. For more detailed information, see Water and Sewer Plans - Contract No. 14-1839-D.
 - Storm Water Management provided under F-88-186.

NOTE: THIS PLAN SUPERCEDES PREVIOUSLY APPROVED SHEET 1 OF 7 FOR LOT 110. SDP 90 IS THE GRADING ON THIS SHEET SUPERCEDES THE GRADING ON SHEET 4 OF 7 FOR LOTS 110, 103 + 104 ONLY

ADDRESS CHART

LOT No.	STREET ADDRESS
103	7747 Rockburn Drive
104	7751 " "
105	7755 " "
106	7759 " "
107	7763 " "
108	7767 " "
109	7771 " "
110	7775 Rockburn Drive

LOT 110 FOR: DOUGLAS HOMES
 PO Box 628
 Ellicott City, Md. 21043

OWNER/DEVELOPER:
 DANVILLE I ASSOCIATES
 7775 New York Lane
 Glen Burnie, MD. 21061

SUBDIVISION NAME: ROCKBURN TOWNSHIP
 SECT./AREA: 1/2
 LOTS: 103-116
 119-140, 142-147, 148-149

PLAT No: 8634
 BLOCK No: 22+4
 ZONE: R-20
 TAX MAP No: 31437 P761
 ELEC DIST: 1ST
 CENSUS TR: 301

WATER CODE: DOB & DOI
 SEWER CODE: 21550X

LOTS 103 & 104 FOR:
 ROCKBURN TOWNSHIP LIMITED PART.
 Suite 204
 The Gatehouse at North Park
 Hunt Valley, Maryland 21030

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

DESIGNED: VLP
 DRAWN: BAL
 CHECKED: VME
 DATE: MAY 1991

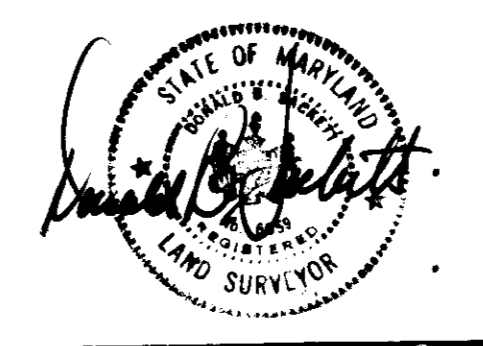
REVISED SITE DEVELOPMENT PLAN
 LOTS 103-116, 118, 119, 140-142, 171-178 & 180-188

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

FOR: PORTEN SULLIVAN CORP
 Three Bethesda Metro
 Bethesda, Maryland 20814

DATE: MAY 1991

SCALE: 1" = 30'
 DRAWING: 1 of 7
 JOB NO: 91-073
 FILE NO: 91-073



LEGEND

Contour Interval 2 ft
 Ex. Contour
 Prop. Contour
 Spot Elevation x 10's
 Direction of Drainage
 Walk-Out Basement
 Ex. Trees
 Trees to be Saved

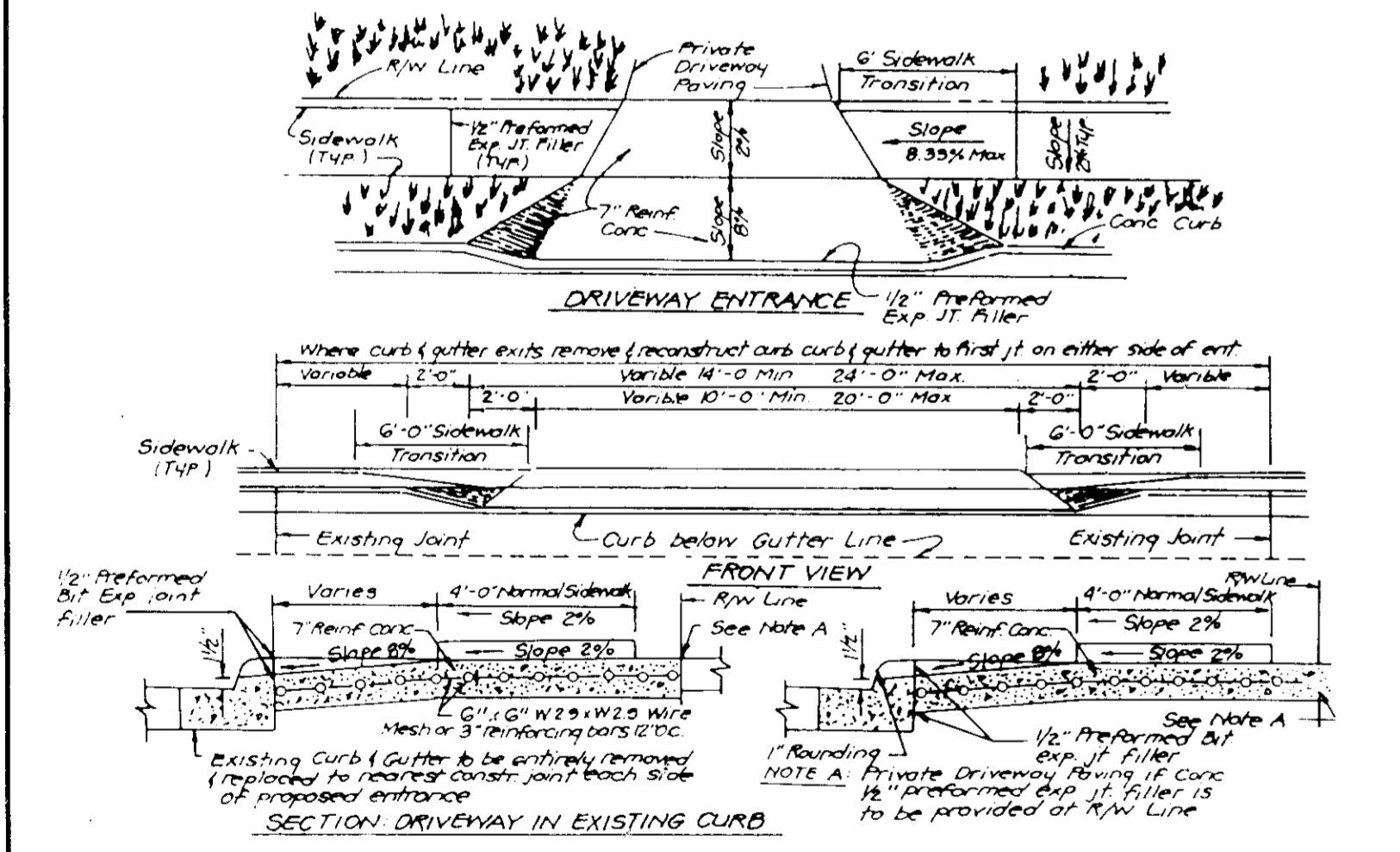
No	REVISIONS	Date
1	Rev. hse. of grd. lots 104, 107, 109 & 110 from E's to M's	8-24-89

PLANT SCHEDULE

KEY	PLANT NAME	SIZE	QTY.	REMARKS
	ACEK ACCURATE GR. MAINTEN GREEN MAINTEN SWAR MAPLE	2 1/2" C. 12-14" HT.	3	B&P JEAN
	OVERCROSS RUBED RED OAK		1	
	PRUNUS x THUNDERCLOUD PEEPLEAF PL. PLUM	2-2 1/2" C. 8-10" HT.	3	
	PRUNUS YEDOCKES YESS AND CHERRY		1	
	PRUNUS SPANUS WHITE PILE	6-8" HT.	7	

NOTE:

- ALL PLANTING TO BE DONE IN ACCORDANCE WITH PAINT/BLANK. LANDSCAPING SPECIFICATIONS OF L.C.A.M.H.
- ALL PLANT MATERIAL TO MEET A.D.H. STANDARDS.
- CONTRACTOR TO VERIFY LOCATION OF UTILITIES PRIOR TO DIGGING.

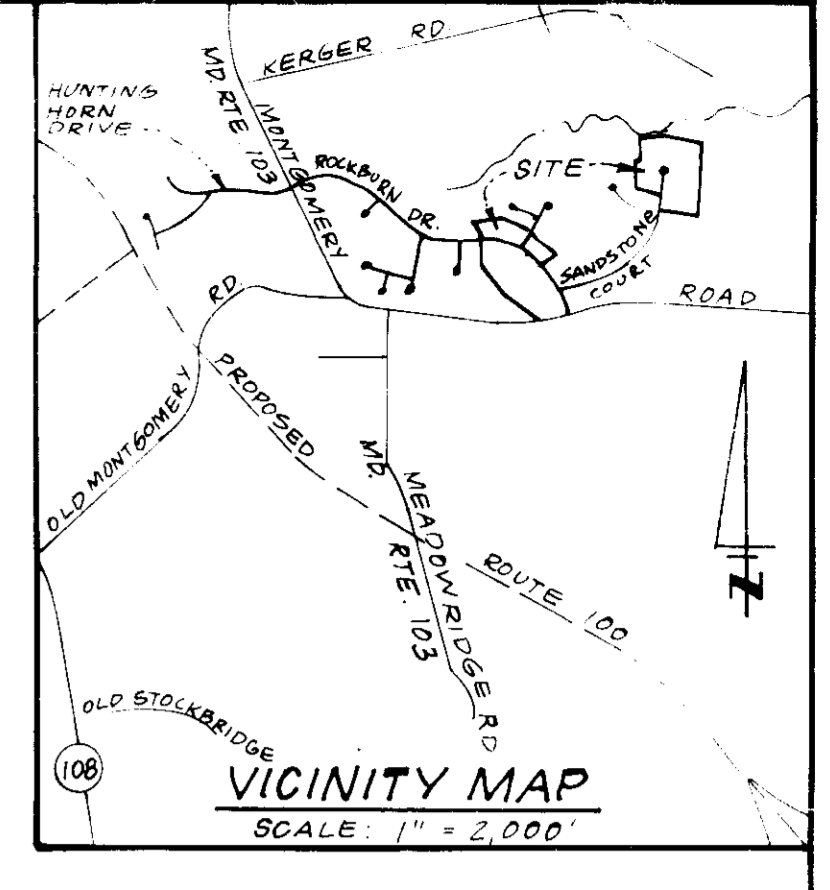
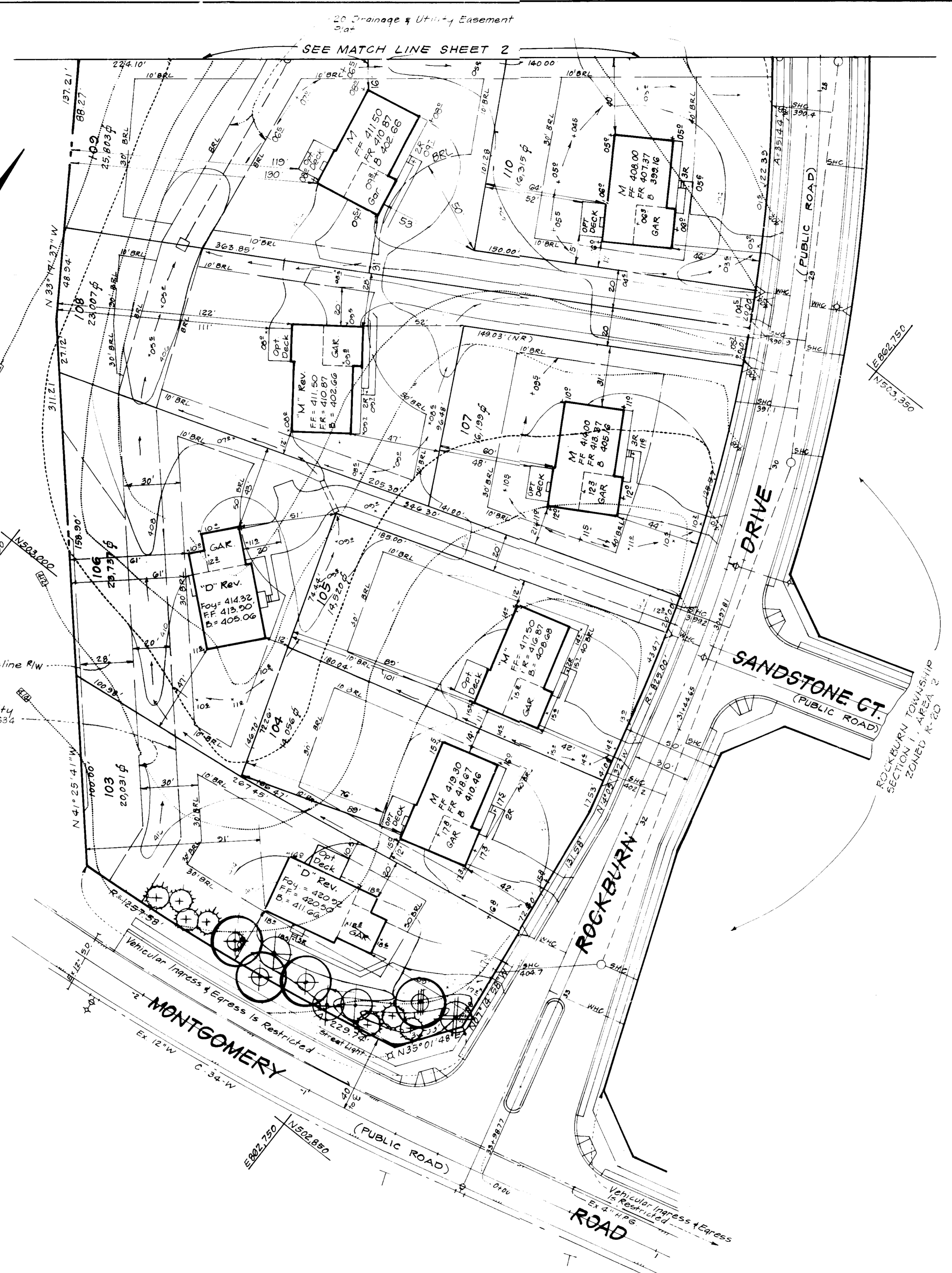


APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER: *[Signature]* DATE: 9-27-89

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING
 DIRECTOR: *[Signature]* DATE: 10-18-89

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DIRECTOR: *[Signature]* DATE: 9-25-89

CHIEF BUREAU OF ENGINEERING
 DATE: 9-25-89



GENERAL NOTES

- Subject property zoned R-20 per Comprehensive Zoning Plan dated 8-2-85.
- The coordinates shown hereon are based on the Maryland State Grid System and derived from the following Howard County Control Stations: 2644004 and 2644005.
- All roads are public and existing.
- Any damage to county owned rights-of-way to be corrected at the Developer's expense.
- Total area included: 1456 Acres
- Total number of Lots: 30
- The contractor or developer shall contact the Construction Inspection / Survey Division, 24 hrs. in advance of commencement of work at 792-2630.
- Existing topography taken from plans prepared by Fisher, Collins and Carter, Inc.
- Maximum Lot Coverage is 30%.
- Reference File Nos: S-87-26, P87-58, F-88-213 & WF88-58
- Improvement to property: Single Family Density Units.

SPECIAL NOTES

- Approved Road Construction Plans shall be used for all public utilities.
- The water and sewer house connections not included in a "Developer's Agreement" shall conform to Howard County Plumbing Code. The on-site WHC shall be 1" copper and SHC shall be 4" iron.
- Public Water and Sewer shown for reference only. For more detailed information, see Water and Sewer Plans - Contract No. 14-1839-D.
- Storm Water Management provided under F-88-186.

ADDRESS CHART

LOT No.	STREET ADDRESS
103	7747 Rockburn Drive
104	7751 " "
105	7755 " "
106	7759 " "
107	7763 " "
108	7767 " "
109	7771 " "
110	7775 Rockburn Drive

OWNER/DEVELOPER DANVILLE I ASSOCIATES 7770 New York Lane Glen Burnie, MD 21061		SUBDIVISION NAME ROCKBURN TOWNSHIP		SECT./AREA 1/2		LOTS 103-116-118 103, 140-142, 171-178 & 180-188	
PLAT No. 8634, 8635-8640	BLOCK No. 22+4	ZONE R-20	TAX MAP No. 314 37 P 761	ELEC DIST 1ST	CENSUS TR. 2011		
WATER CODE DO3 & DO1		SEWER CODE 21550X					

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

DESIGNED: VHL
 DRAWN: VLM
 CHECKED: JME
 DATE: July 13, 1989

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

FOR: Porten Gulliver Corp.
 Three Bethesda Metro Center # 900
 Bethesda, Maryland 20814

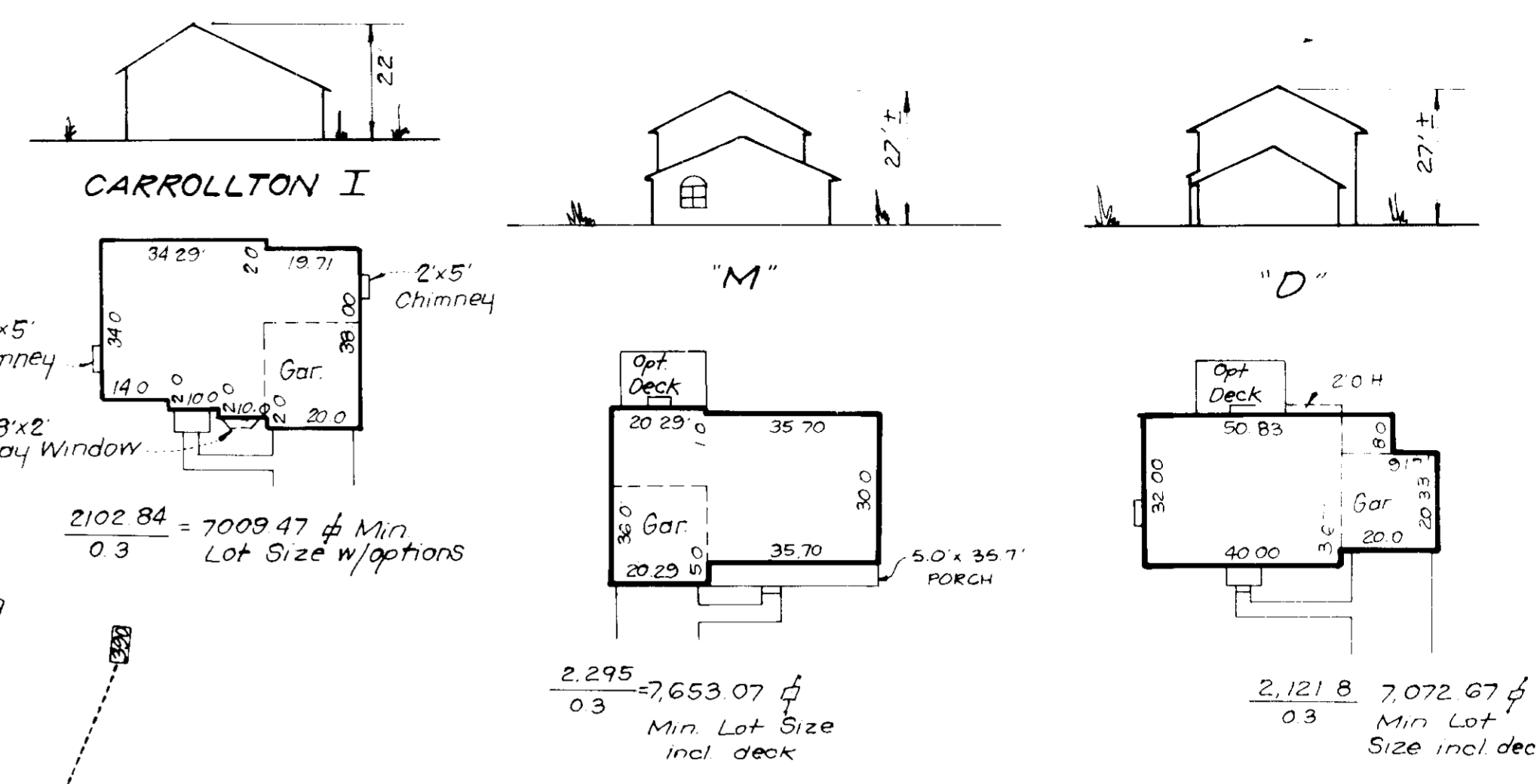
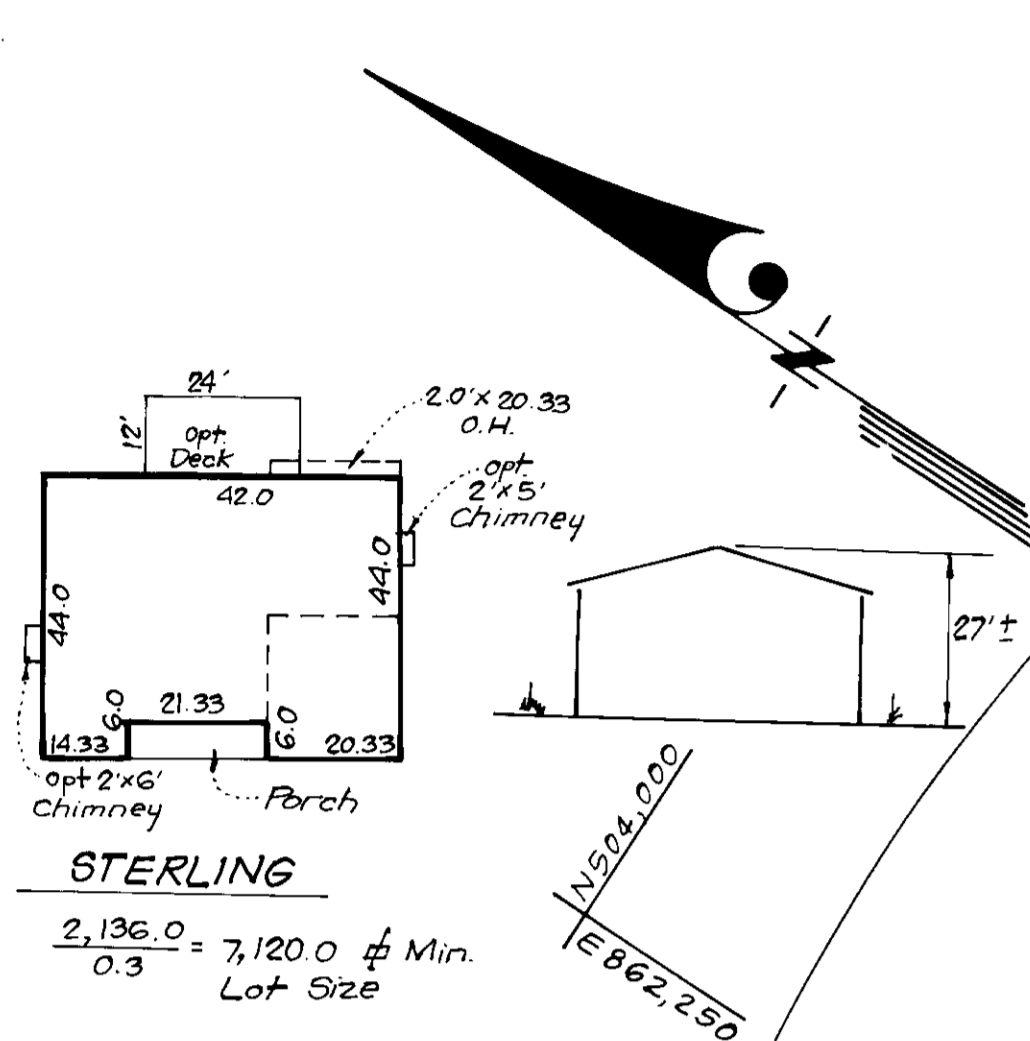
SCALE: 1" = 30'
 DRAWING: 1 of 7
 JOB NO: 88-143
 FILE NO: 88-143 X



LEGEND

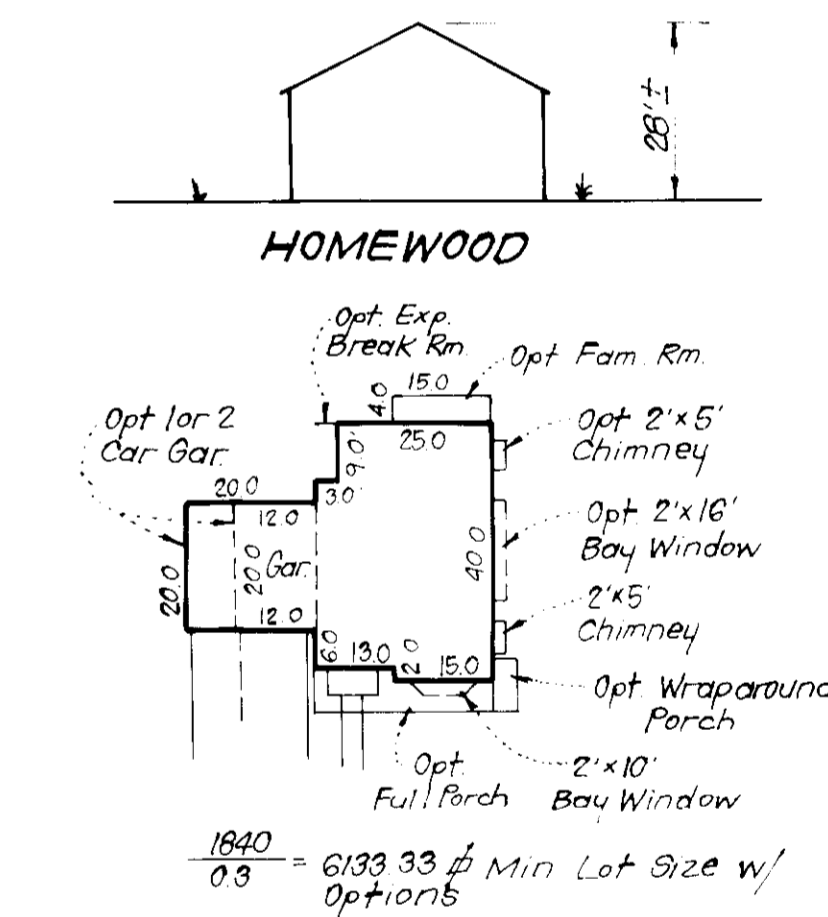
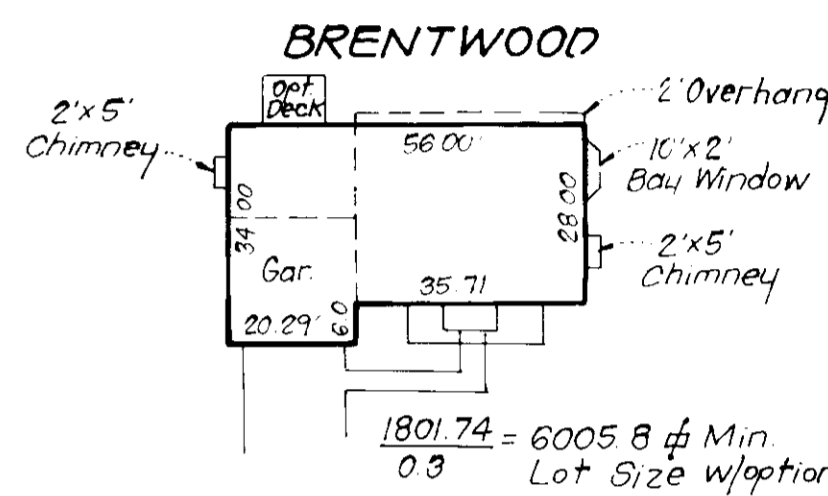
- Contour Interval 2ft
- Ex Contour 400
- Prop Contour 410
- Spot Elevation $\times 10^2$
- Direction of Drainage
- Walk-Out Basement
- Ex Trees
- Trees to be Saved

REVISIONS	Date
1 Rev. hse location lot 140	6-5-91
2 Rev. hse on lot 111-116, 118, 140 #2 for Douglas Homes	5-28-91
3 Rev. hse & grd. Lot 119, Add house typical	5-27-92
4 Rev. hse & grd. lot 111	6-18-92



TYPICAL HOUSES

Scale: 1" = 30'
 NOTE: All units have 1" roof eaves front and rear



NOTE: THIS PLAN SUPERCEDES PREVIOUSLY APPROVED SHEET 2 OF 9 FOR LOTS 111-119 & 140-142, SDP 90-16 THE GRADING ON THIS SHEET SUPERCEDES THE GRADING ON SHEET 5 OF 7 FOR LOTS 111-119 & 140-142.

ADDRESS CHART	
LOT No.	STREET ADDRESS
111	7779 Rockburn Drive
112	7783 " "
113	7787 " "
114	7791 " "
115	7795 " "
116	7799 " "
117	7803 " "
118	7807 " "
119	1802 Rockburn Drive
140	7700 Millstone Court
141	7702 Rockburn Drive
142	7788 Rockburn Drive

OWNER/DEVELOPER: DANVILLE I ASSOCIATES
 7770 New York Lane
 Glen Burnie, MD 21061

CLARK • FINEPROCK & SACKETT, INC.
 ENGINEERS • PLANNERS • SURVEYORS
 7135 MINSTREL WAY • COLUMBIA, MD 21045 • (301) 981-7800 BALTO • (301) 621-8100 WASH

DESIGNED: MUP
 CHECKED: JME
 DRAWN: BAL
 DATE: May 1991

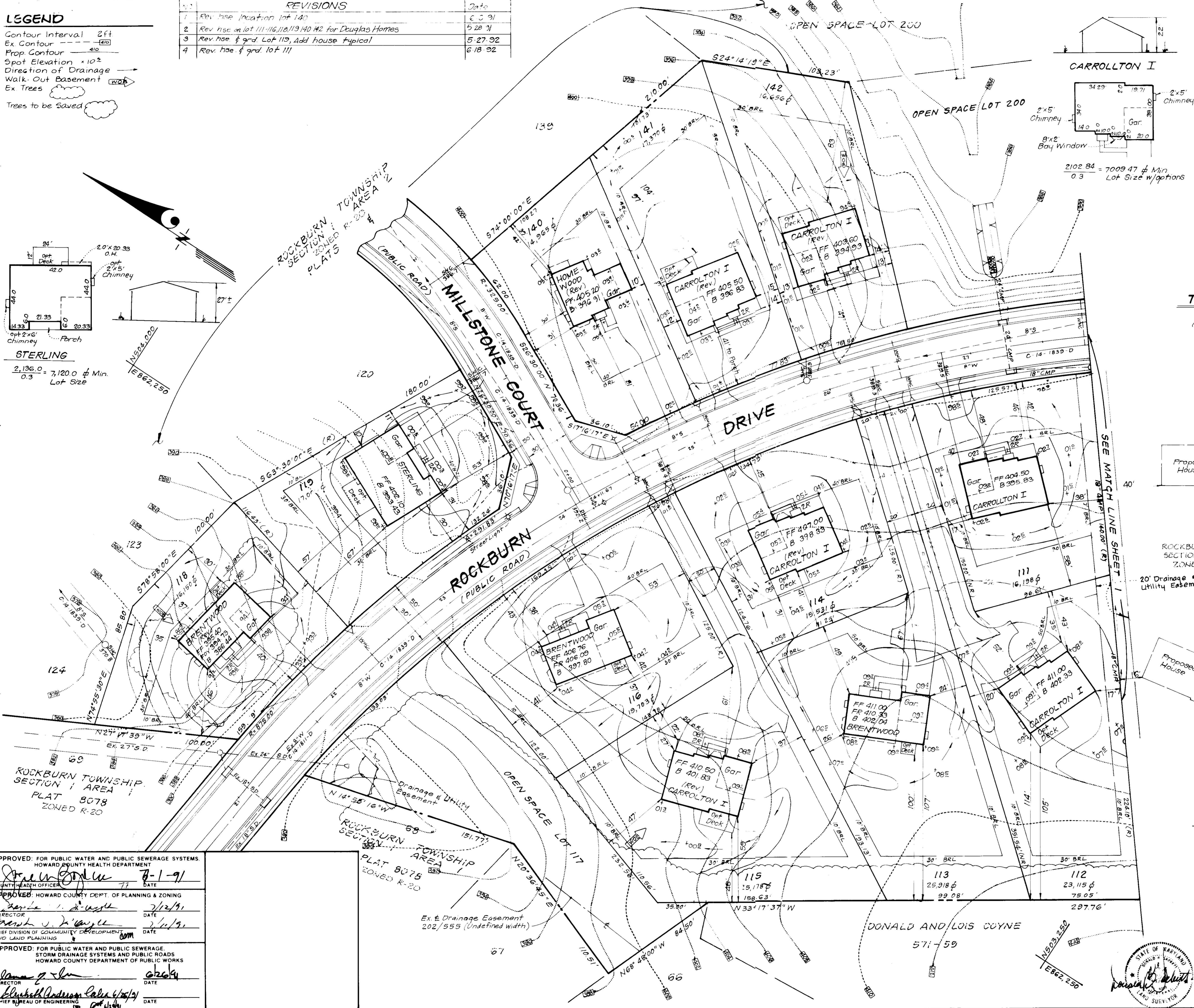
REVISOR: JME
 DATE: 7/12/91

REVISOR: JME
 DATE: 7/11/91

APPROVED: JAMES G. SACKETT
 CHIEF OF BUREAU OF ENGINEERING

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT
 APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING
 APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

REVISIONS: 1 Rev. hse location lot 140 (6-5-91), 2 Rev. hse on lot 111-116, 118, 140 #2 for Douglas Homes (5-28-91), 3 Rev. hse & grd. Lot 119, Add house typical (5-27-92), 4 Rev. hse & grd. lot 111 (6-18-92)



APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT
 APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING
 APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

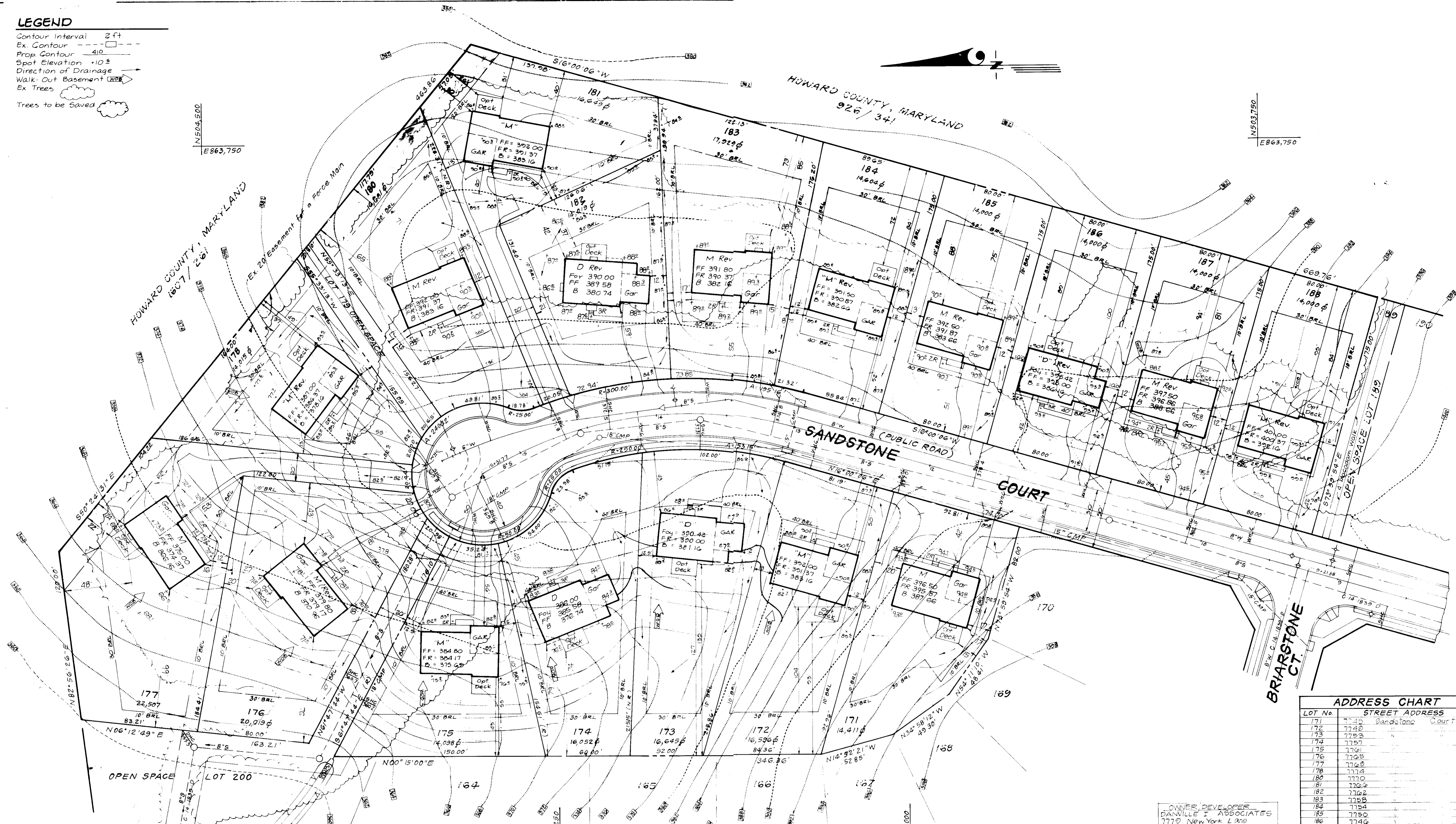
APPROVED: JAMES G. SACKETT
 CHIEF OF BUREAU OF ENGINEERING

APPROVED: JAMES G. SACKETT
 CHIEF OF BUREAU OF ENGINEERING



LEGEND

- Contour Interval 2 ft
- Ex. Contour - - - - -
- Prop Contour 410
- Spot Elevation +10.5
- Direction of Drainage →
- Walk-Out Basement (K&B)
- Ex Trees
- Trees to be Saved



LOT No	STREET ADDRESS
171	7735 Sandstone Court
172	7740
173	7753
174	7757
175	7761
176	7765
177	7769
178	7774
180	7770
181	7769
182	7762
183	7758
184	7754
185	7750
186	7746
187	7742
188	7738 Sandstone Court

OWNER/DEVELOPER
 DANVILLE I ASSOCIATES
 7770 New York Lane
 Glen Burnie, MD 21061

CLARK • FINEPROCK & SACKETT, INC.
 ENGINEERS • PLANNERS • SURVEYORS
 7135 MINSTREL WAY • COLUMBIA MD 21045 • (301) 881-7500 • BALTO • (410) 678-1000 • WASH

DESIGNED VHL
DRAWN VLM
CHECKED JME
DATE July 13, 1989

SITE DEVELOPMENT PLAN
 LOTS 103-116, 118, 119, 140-142, 171-178 & 180-188

SCALE 1" = 30'

DRAWING 3 of 7

JOB No BB-143

FILE No BB-143

FOR: Forten Sullivan, Cns
 Three Bethesda Metro Center # 300
 Bethesda, Maryland 20814

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER: [Signature] DATE: 9-27-89

APPROVED: ROAD COUNTY DEPT. OF PLANNING & ZONING
 [Signature] DATE: 10-18-89

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DIRECTOR: [Signature] DATE: 9-25-89
 CHIEF BUREAU OF ENGINEERING: [Signature] DATE: 9-25-89

8-10-89

No	REVISIONS	Date
1	Rev hse & grd lots 171, 176, 183, 185, 187 from E to M, lots 177 & 180 from D to M, lot 174 from E to D. Shift hse on lot 182.	8-24-89



LEGEND

- Contour Interval 2 ft
- Ex. Contour
- Prop Contour
- Spot Elevation x 10²
- Direction of Drainage
- Walk-Out Basement
- Ex. Trees
- Trees to be Saved
- Earth Dike
- Ex. Earth Dike
- Silt Fence
- Ex. Silt Fence
- Stabilized Construction Entrance

TRAP NO. 3 SOST (ST-V)

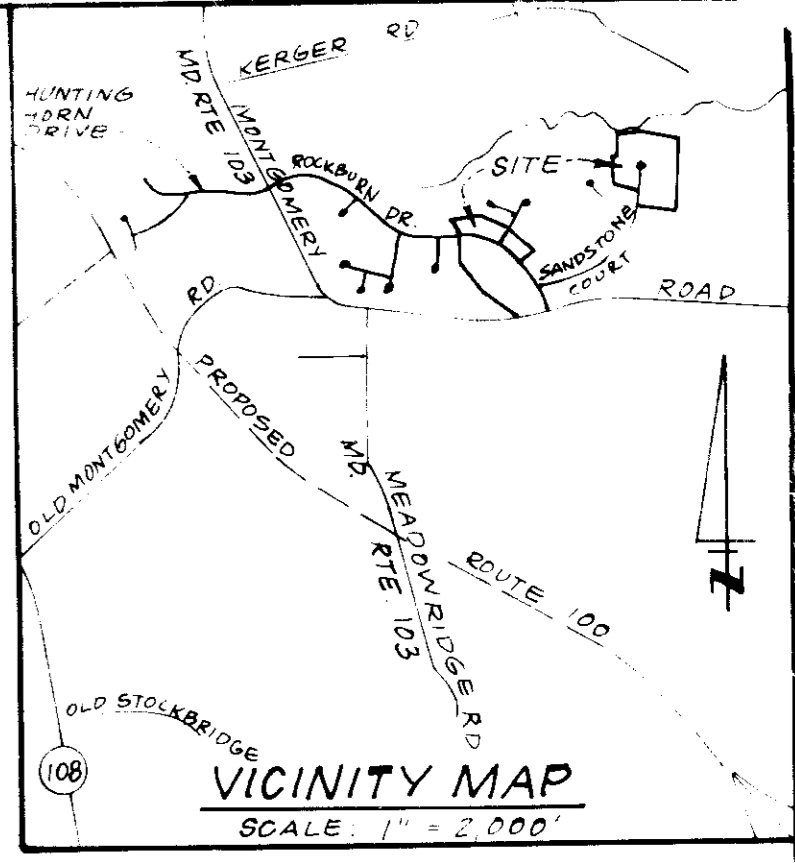
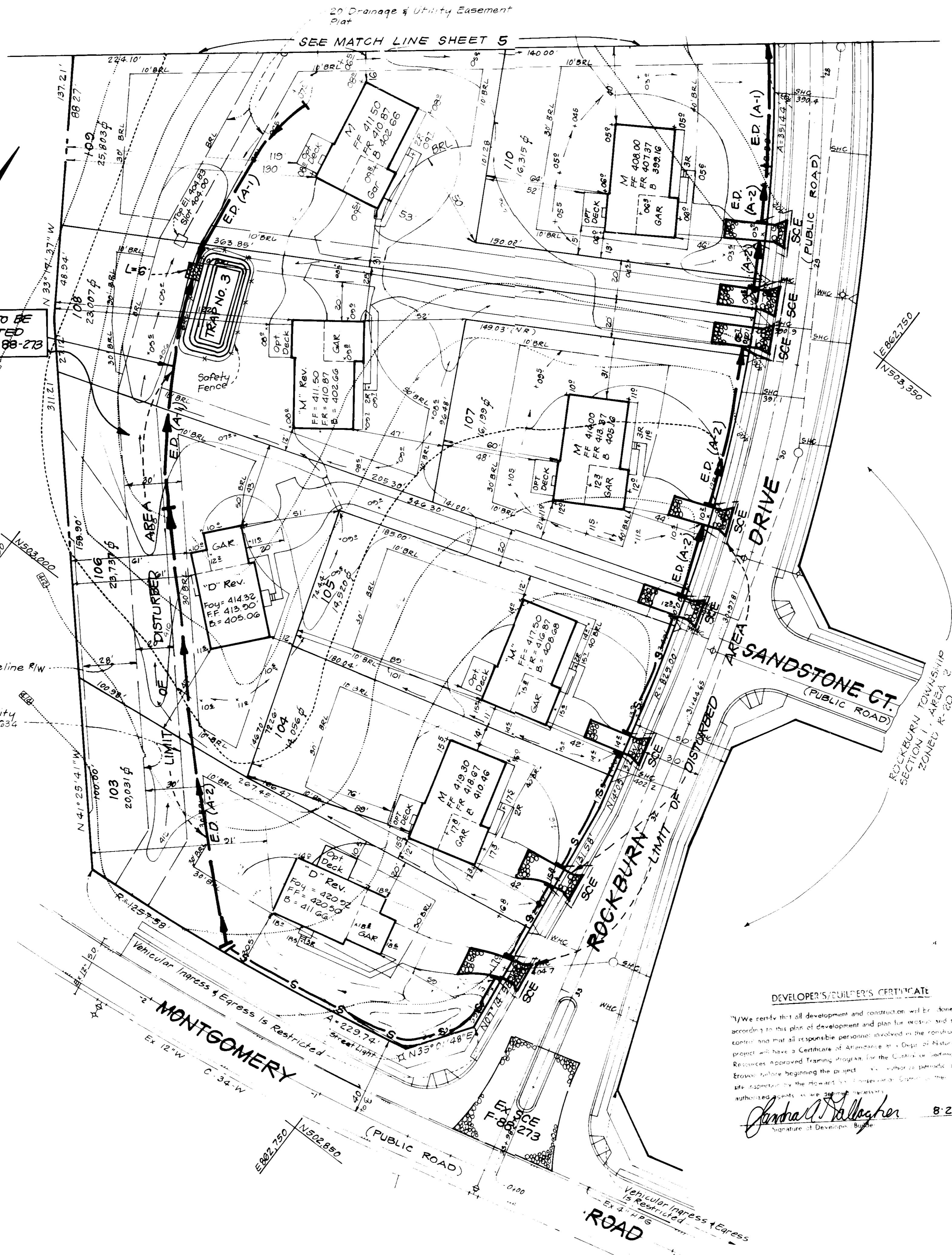
Drainage Area 1.4 Acres
 Storage Required 2520 cf
 Storage Provided 2520 cf
 Depth 4'
 Top of Stone Crest 405.0
 Bottom Elev. 400.0
 Clean-out Elev. 402.0
 Bottom Dimensions 40' x 11'
 L=6'
 1:1 Side Slopes

SWALE TO BE CONSTRUCTED UNDER F-88-273

DONALD AND LOIS COYNE
 571/55

Ex 28' Colonial Pipeline R/W
 404/619

20' Drainage & Utility Easement - Plat 8234



Approved for HOWARD
 9-5-89
 This development plan is approved for soil erosion and sediment control by the HOWARD COUNTY BOARD OF SUPERVISORS, DISTRICT 1.

Approved _____ Date _____

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT	<i>Paul J. Ryan</i> 9-27-89
COUNTY HEALTH OFFICER	DATE
APPROVED HOWARD COUNTY DEPT. OF PLANNING & ZONING	<i>[Signature]</i> DATE
DIRECTOR	DATE
CHIEF DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT	9/25/89
DIRECTOR	DATE
CHIEF BUREAU OF ENGINEERING	9-25-89
DIRECTOR	DATE

8-10-89

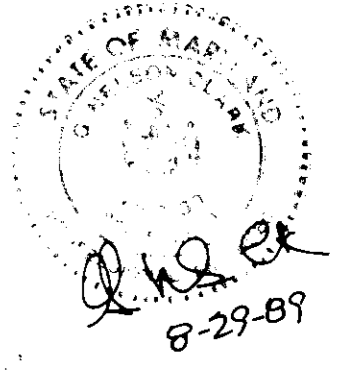
DEVELOPER'S/ENGINEER'S CERTIFICATE

"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 in a Department of Natural Resources approved training program for the Uniform Sedimentation and Erosion Control Training program for the Uniform Sedimentation and Erosion Control program beginning the project. The authorized personnel on site responsible for the Howard County Department of Public Works authorized units will be the following:

Judith D. Gallagher 8-29-89
 Signature of Developer/Engineer Date

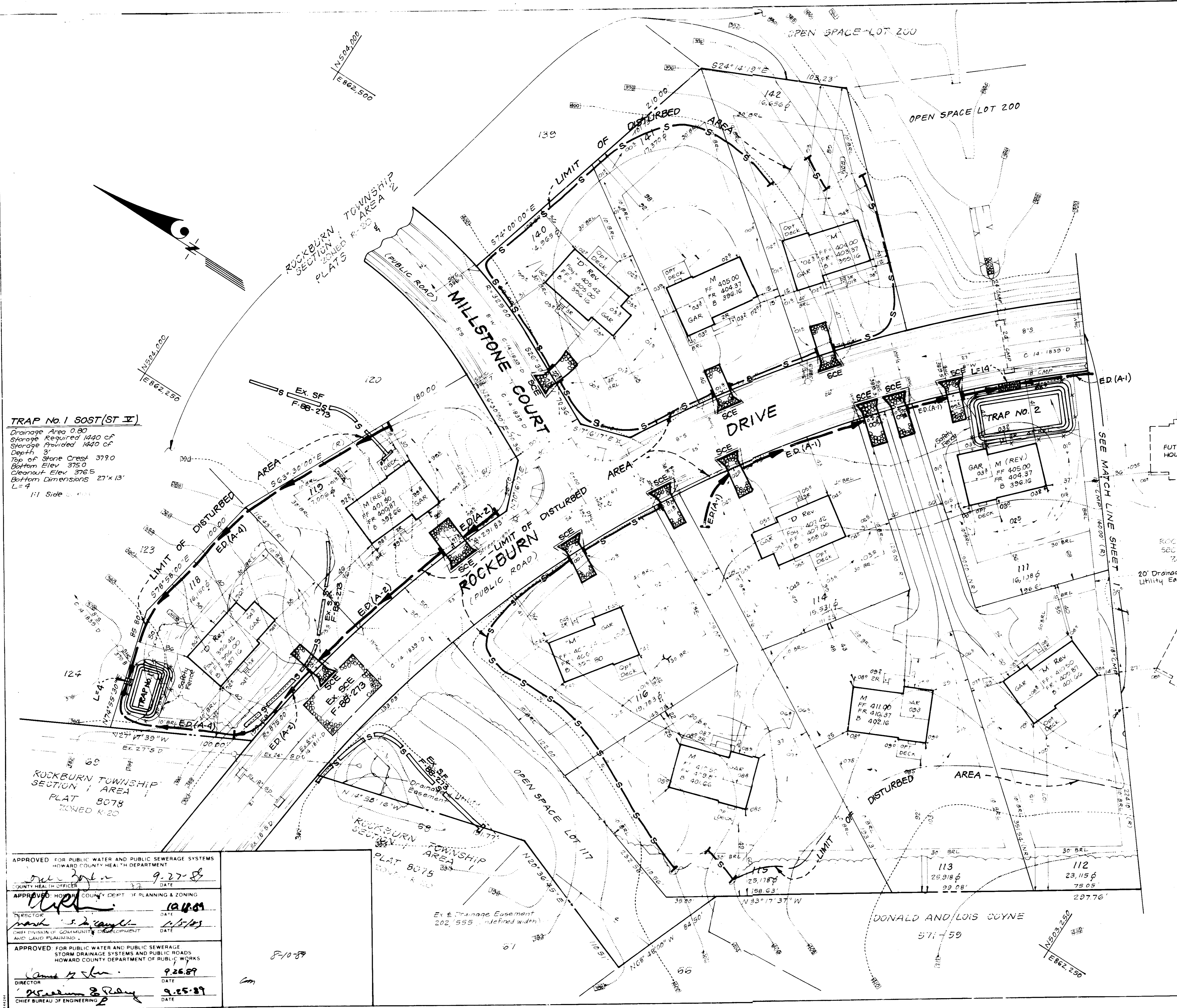
OWNER/DEVELOPER
 DANVILLE I ASSOCIATES
 1770 New York Lane
 Glen Burnie, MD 21061

G. Nelson Clark 8-29-89
 Date



CF	CLARK • FINEFROCK & SACKETT, INC.		SCALE 1" = 30'
	ENGINEERS • PLANNERS • SURVEYORS		
DESIGNED KIWM	SEDIMENT & EROSION CONTROL PLAN LOTS 103-110, 118, 119, 140-142, 171-178 & 180-188		DRAWING 4 of 7
DRAWN VLM PER	ROCKBURN TOWNSHIP		
CHECKED KIWM	SECTION 1 AREA 2 1ST ELECTION DISTRICT HOWARD COUNTY, MARYLAND		JOB NO. 88-143
DATE July 13, 1989	FOR: Porten Sullivan Corp Three Bethesda Metro Center # 300 Bethesda, Maryland 20814		FILE NO. 88-143se

STIP 40-110



TRAP No. 1 SOST (ST-IV)
 Drainage Area 0.80
 Storage Required 1440 cf
 Storage Provided 1440 cf
 Depth 3'
 Top of Stone Crest 3790
 Bottom Elev 3750
 Cleanout Elev 3765
 Bottom Dimensions 27' x 13'
 L=4
 1:1 Side Slopes

TRAP No. 2 SOST (ST-IV)
 Drainage Area 3.4 AC
 Storage Required 1621 cf
 Storage Provided 1621 cf
 Depth 4'
 Top of Stone Crest 4000
 Bottom Elev 3950
 Cleanout Elev 3970
 Bottom Dimensions 56' x 21.5'
 L=14
 1:1 Side Slopes in cut

Reviewed for HOWARD COUNTY
 Signature: *[Signature]* 9-15-89
 Title: [Title]
 CONSERVATION DISTRICT

Approved _____ Date _____

NO. 1 REVISION
 Revised House Types from E's to M's on Lots 111, 113, 115, 118 & 141. Removed E model from Typical Houses
 DATE: 8-28-89

DEVELOPER'S BUILDER'S CERTIFICATE
 I, the undersigned, certify that the development and construction of the above described project has been completed in accordance with the approved plans and specifications and that the same conform to the requirements of the Howard County Conservation District.
 Signature of Developer/Builder: *[Signature]* 8-29-89

I hereby certify that these plans for proposed development conform to the requirements of the Howard County Conservation District.
 Signature: *[Signature]* 8-29-89
 G. Nelson Clark
 Date: 8-29-89

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER: *[Signature]* 9-27-89
 DATE: 9-27-89

APPROVED FOR HOWARD COUNTY DEPT. OF PLANNING & ZONING
 DIRECTOR: *[Signature]* 9-26-89
 DATE: 9-26-89

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DIRECTOR: *[Signature]* 9-26-89
 DATE: 9-26-89

CHIEF BUREAU OF ENGINEERING: *[Signature]* 9-25-89
 DATE: 9-25-89

8-10-89
 cm

OWNER, DEVELOPER
 DANVILLE 1 ASSOCIATES
 7779 New York Lane
 Glen Burnie, MD 21061

DESIGNED KIWM	SEDIMENT & EROSION CONTROL PLAN LOTS 103-116, 118, 119, 140-142, 171-178 & 180-188 ROCKBURN TOWNSHIP SECTION 1 AREA 2 1ST ELECTION DISTRICT HOWARD COUNTY, MARYLAND FOR: Porten Sullivan, Corp Three Bethesda Metro Center # 300 Bethesda, Maryland 20814	SCALE AS SHOWN
DRAWN VLM PER PER		DRAWING 5-7
CHECKED KIWM		JOB NO. 08-14
DATE July 13, 1989		FILE NO. 88-14-SE

LEGEND

- Contour Interval 2 ft
- Ex Contour ---
- Prop Contour ---
- Spot Elevation +10.5
- Direction of Drainage →
- Walk-Out Basement [Symbol]
- Ex Trees [Symbol]
- Trees to be Saved [Symbol]

TRAP NO. 5 SOST (ST. V)

Drainage Area 10 Ac
 Storage Required 1800 cf
 Storage Provided 1800 cf
 Depth 3'
 Top of Stone Crest 363.5
 Bottom Elev 359.5
 Cleanout Elev 361.0
 Bottom Dimensions 24' x 14'
 L=4
 2:1 Side Slopes

TRAP NO. 4 SOST (ST. V)

Drainage Area 10 Ac
 Storage Required 1800 cf
 Storage Provided 1800 cf
 Depth 3 ft
 Top of Stone Crest 363.0
 Bottom Elev 359.0
 Cleanout Elev 360.5
 Bottom Dimensions 37' x 12'
 L=4
 1:1 Side Slopes in cut

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER: [Signature] DATE: 9-27-89

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING
 [Signature] DATE: 9-27-89

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DIRECTOR: [Signature] DATE: 9-25-89
 CHIEF BUREAU OF ENGINEERING: [Signature] DATE: 9-25-89

870 89

OWNER/DEVELOPER:
 DANVILLE Z ASSOCIATES
 7770 New York L'ing
 Glen Burnie, MD 21061

No.	REVISIONS	Date
1	Rev Use of grid Ints 171, 176, 183, 185, 187 from E to M, Lots 177 & 180 from D to M, lot 174 from E to D. Shift Use on lot 182	8-24-89

HOWARD COUNTY
 [Signature] 9/15/89
 APPROVED
 Date

DEVELOPER'S/DUPLICATOR'S CERTIFICATE
 We certify that all development and construction will be done according to the plans 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 Erosion before beginning the project. I also authorize persons on the project in the Howard Soil Conservation District to make any adjustments to the plans as approved by me.
 [Signature] 8-29-89
 Signature of Developer/Builder Date

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

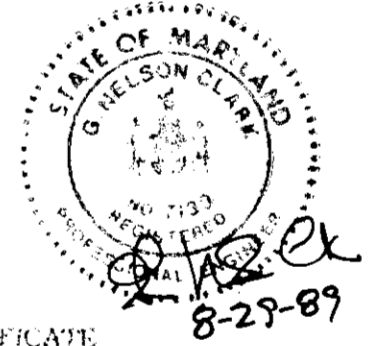
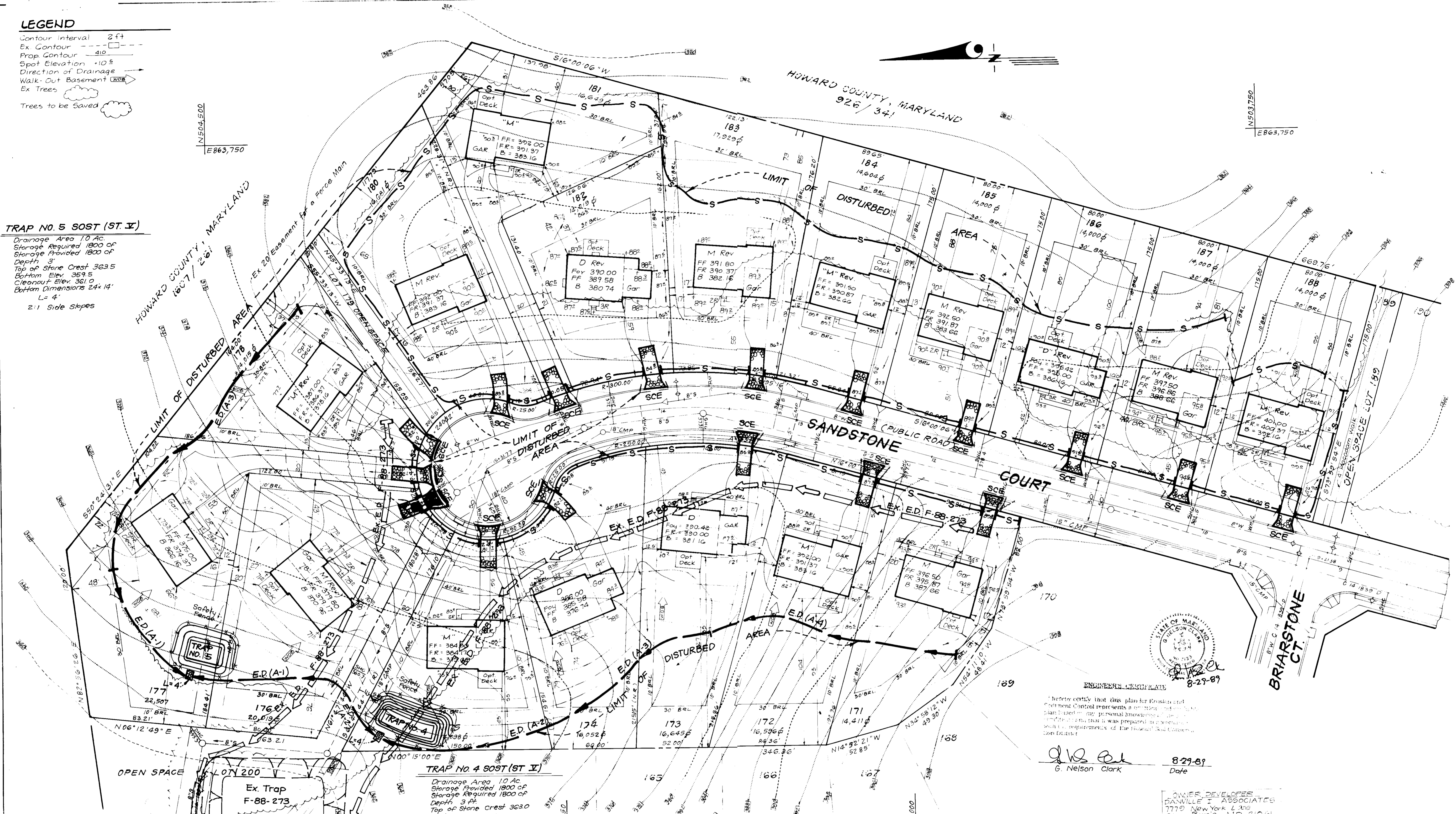
DESIGNED: KIWM
 DRAWN: VLM
 PER: PER
 CHECKED: KIWM
 DATE: 8/3/1989

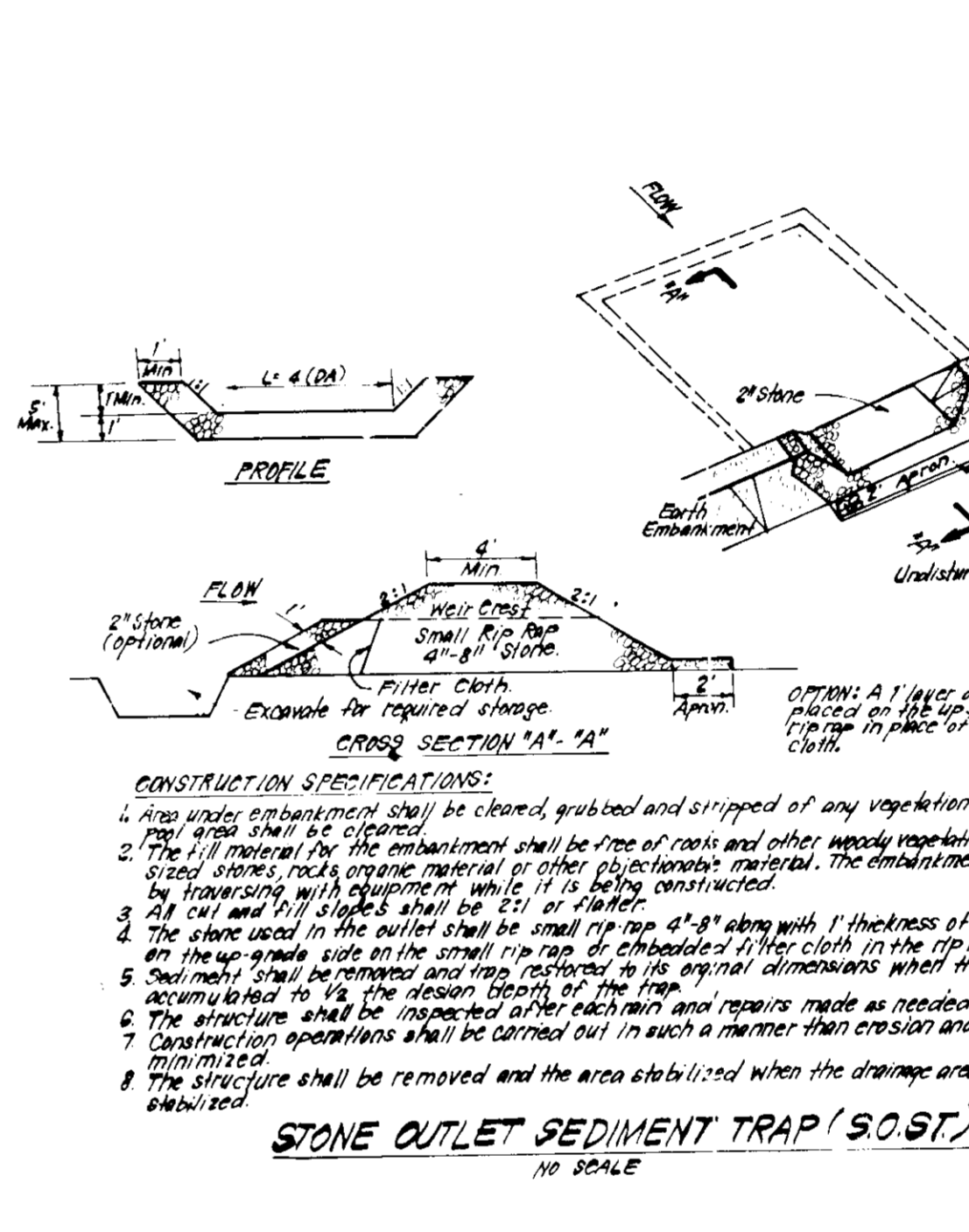
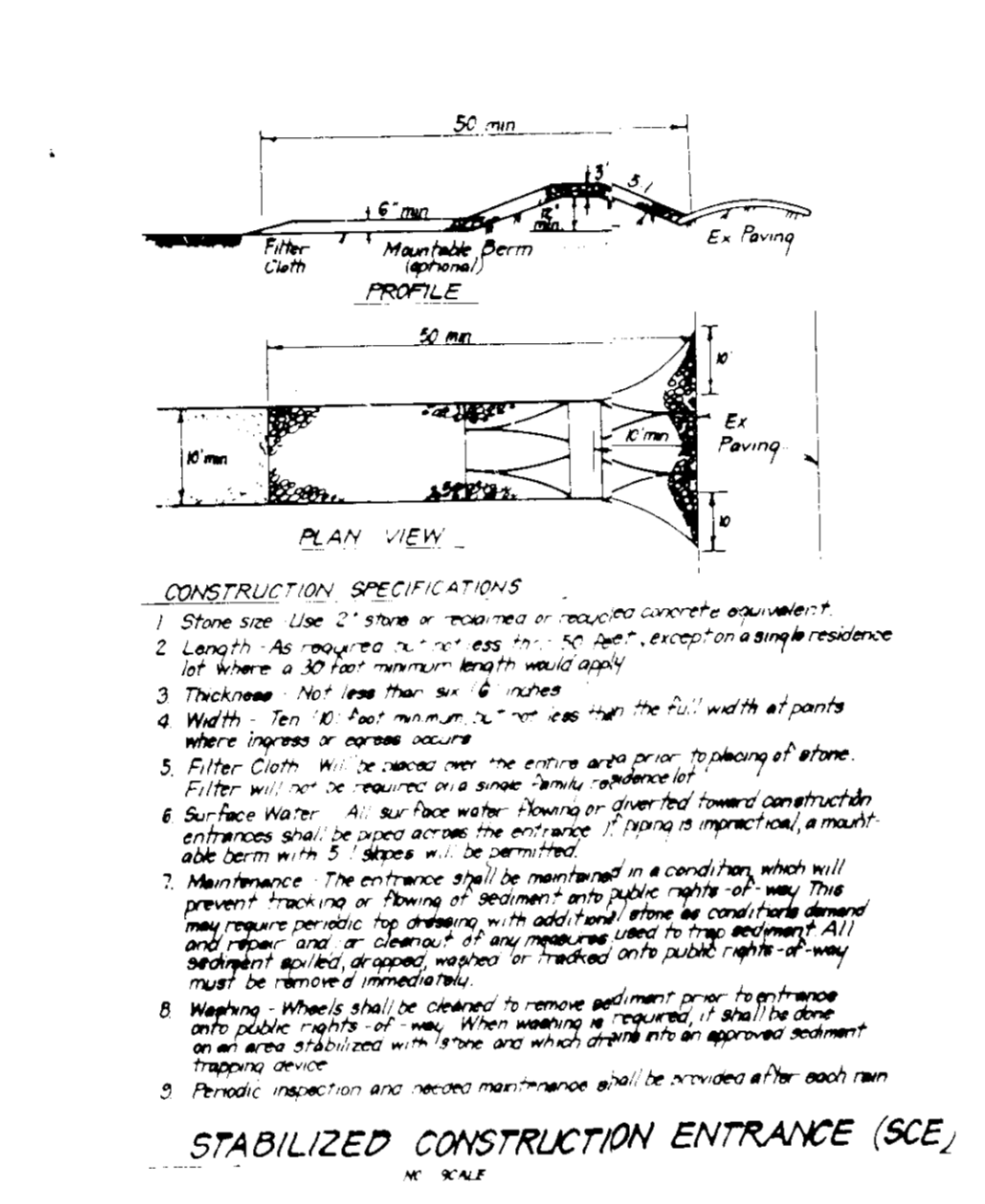
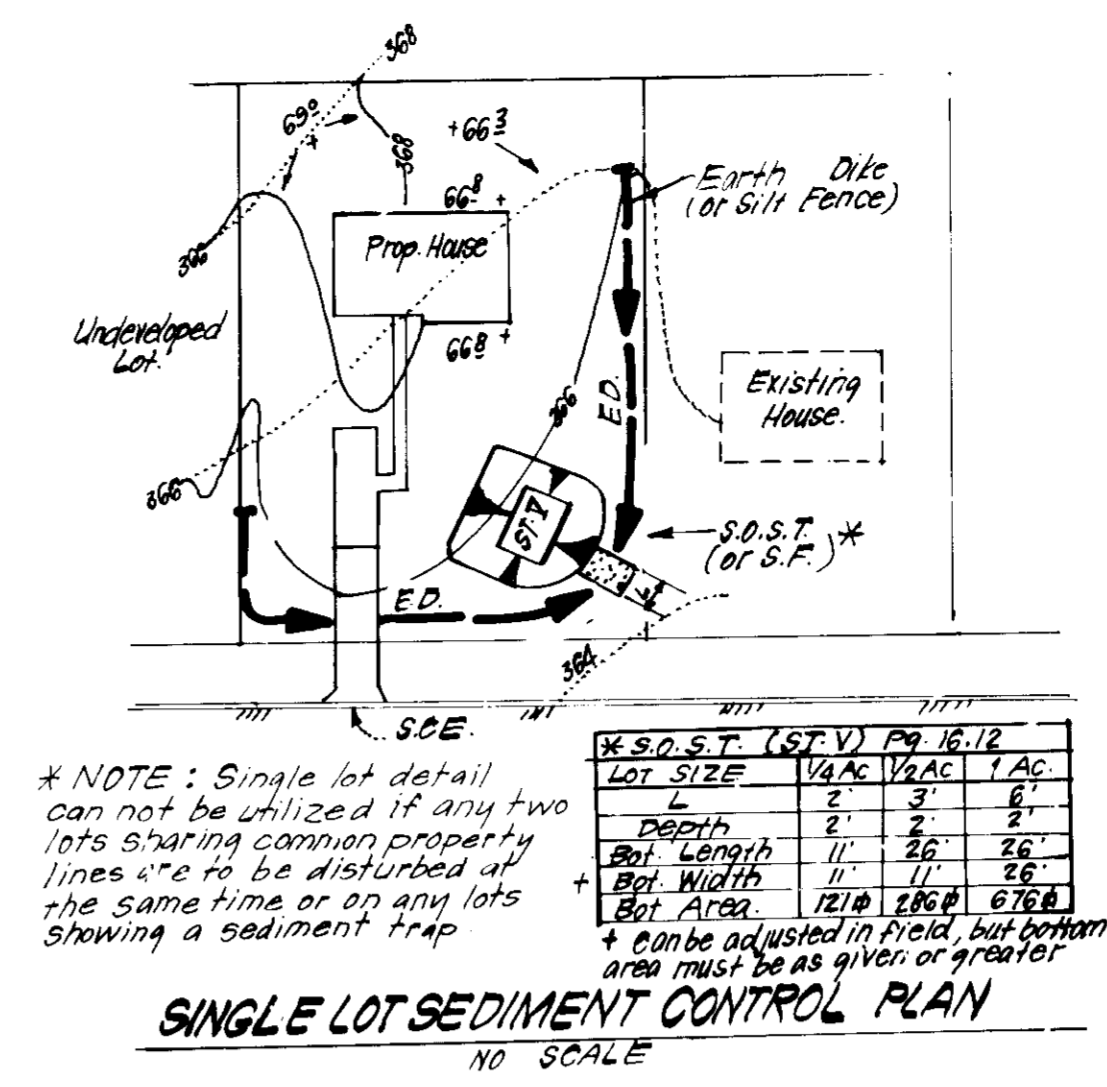
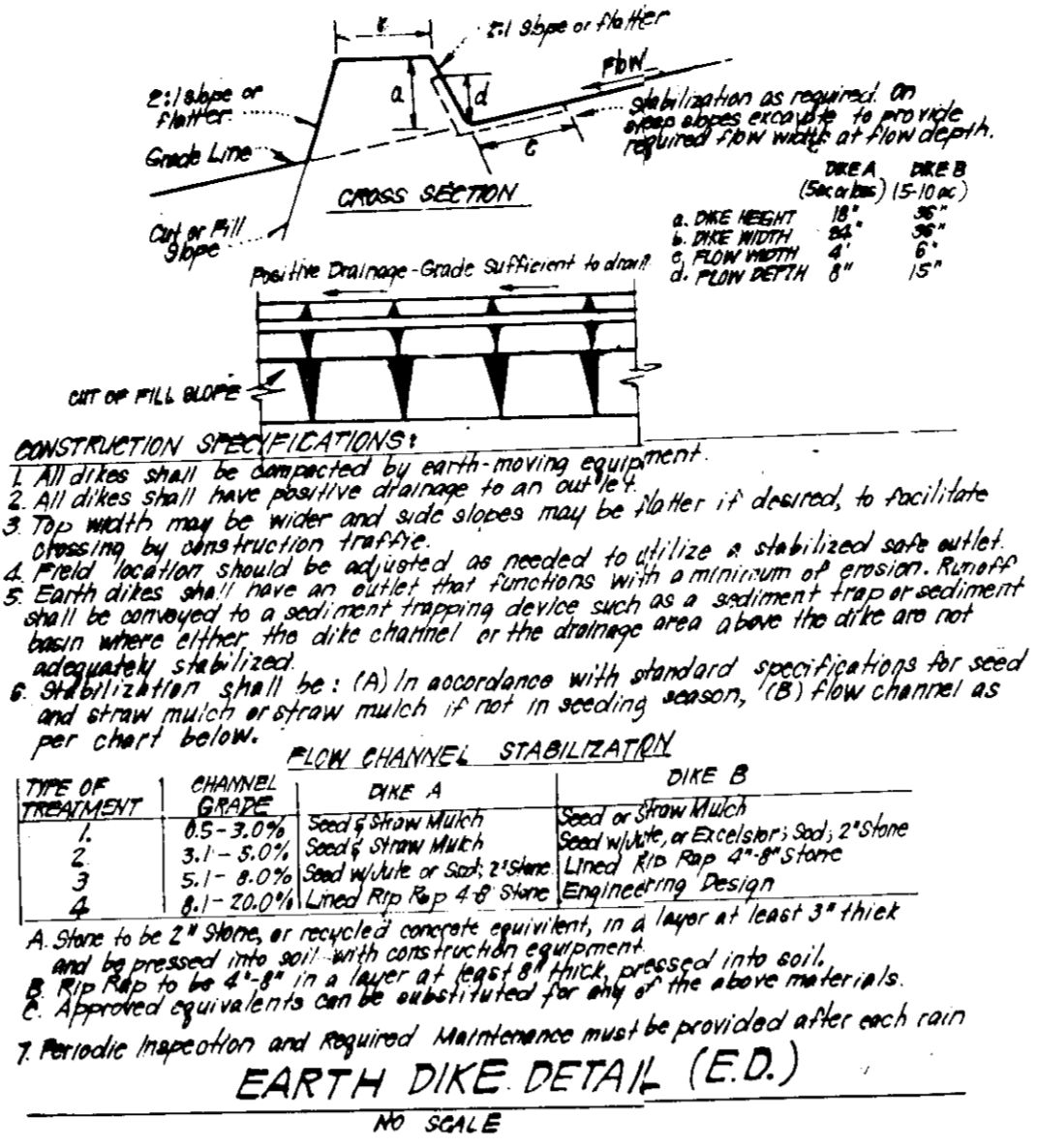
SEDIMENT & EROSION CONTROL PLAN
 LOTS 103-116, 118, 119, 140-142, 171-178 & 180-188

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

FOR: Porten Sullivan City
 Three Bethesda Plaza - Center # 300
 Bethesda, Maryland 20814

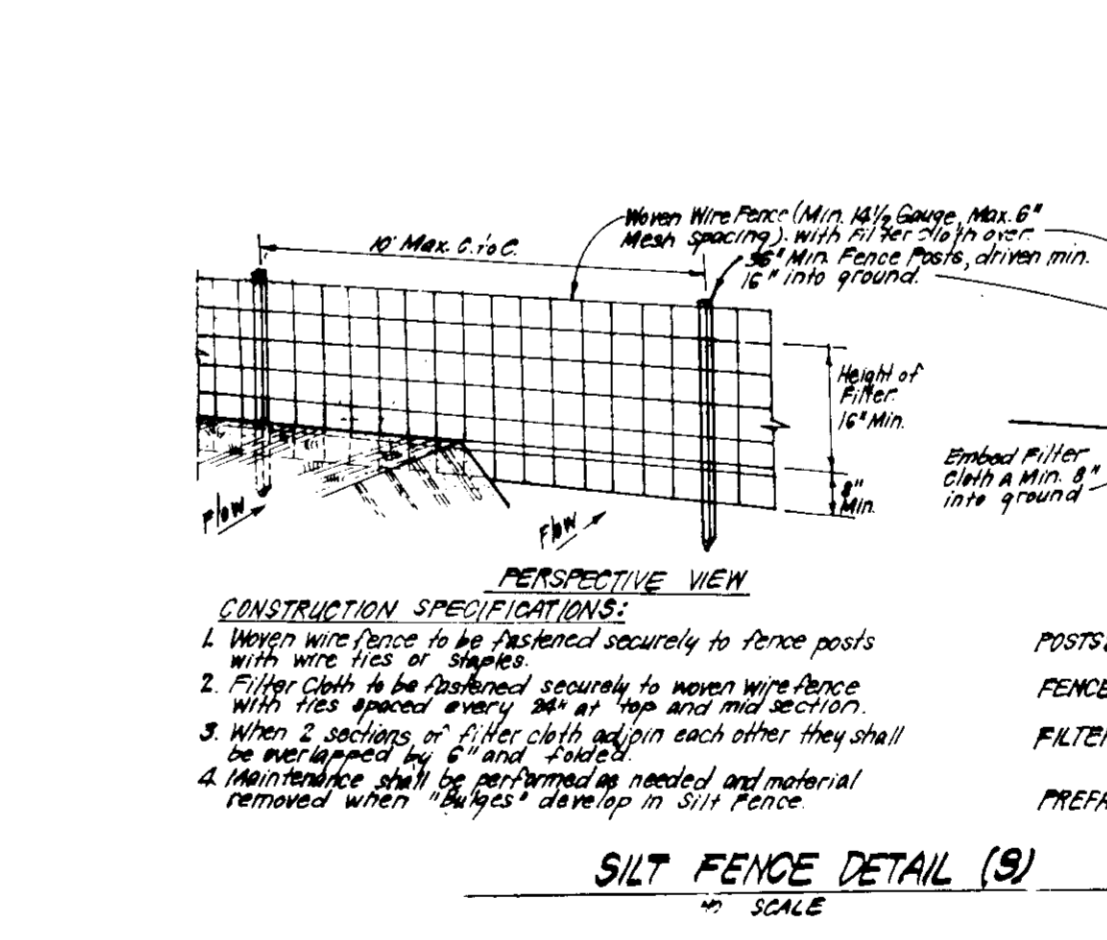
SCALE: 1" = 50'
 DRAWING: 6 of 7
 JOB NO: 88-143
 FILE NO: 88-143-5E





CONSTRUCTION SEQUENCE

Activity	# of days
A. Obtain Grading Permit and Install Sediment and Erosion Control Devices & Stabilize.	7
* B. Excavate for foundations and Rough Grade and temporarily Stabilize.	100
* C. Construct Structures, Sidewalks & 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
* Delay construction of lot III until Trap #2 is removed.	



PERMANENT SEEDING NOTES

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

Seeded 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 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).
- 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 redisturbed where a short-term vegetative cover is needed.

Seeded Preparation: Loosen upper three inches of soil by raking, discing 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 25 bushels 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.

SEDIMENT CONTROL NOTES

- A minimum of 14 hours notice must be given to the Howard County Office of Inspection and Permitting 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 compliance 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 for 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 Section 11.1 of the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
- 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) and (Sec. 54), temporary seedings (Sec. 50) and mulchings (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	14.66 Acres
Area Disturbed	12.01 Acres
Area to be reseeded or passively stabilized	2.76 Acres
Total Cut	9782 cu. yds
Total Fill	27882 cu. yds
Grass/soil 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 DPM 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 tailing or grading inspection approvals may not be authorized until this initial approval by the inspection agency is made.
- If basins are to be constructed on a "B" or "C" rating, a minimum Single Lot Sediment Control as shown below shall be implemented.
- All pipes shall be checked at the end of each day (see 10.11 below) N/A
- The final report of this project shall be submitted to the County Engineer. 92854F

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER: *[Signature]* DATE: 9-27-89
 APPROVED, HOWARD COUNTY DEPT. OF PLANNING & ZONING
 DIRECTOR: *[Signature]* DATE: 10-18-89
 CHIEF DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT
 APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DIRECTOR: *[Signature]* DATE: 9-25-89
 CHIEF BUREAU OF ENGINEERING: *[Signature]* DATE: 9-25-89

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY ENGINEER
 Approved: *[Signature]* DATE: 9-15-89
 Reviewed for: Howard SCD
 and meets Technical Requirements
[Signature] DATE: 9-15-89
 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 for the control of erosion and sediment on the site and that it was prepared in accordance with the requirements of the Howard County Conservation District.
 Signature of Developer/Builder: *[Signature]* DATE: 7-13-89
 Signature of Engineer: *[Signature]* DATE: 7-14-89

DESIGNED BY: KIWM
 DRAWN BY: PER
 CHECKED BY: KIWM
 DATE: July 13, 1989

CLARK • FINEFROCK & SACKETT, INC.
 ENGINEERS • PLANNERS • SURVEYORS
 7135 MINSTREL WAY • COLUMBIA, MD 21045 • (301) 381-7500 - BALTO • (410) 471-1800 - WASH DC

SEDIMENT & EROSION CONTROL DETAILS
 LOTS 103-116, 118, 119, 140-142, 171-176, 180-188
 ROCKBURN TOWNSHIP
 SECTION 1 AREA 2
 1ST ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 PORTEN SULLIVAN CORP
 THREE BETHESDA METRO CENTER #300
 BETHESDA, MARYLAND 20814
 SCALE: No Scale
 DRAWING: 7 of 7
 JOB NO: 88-143
 FILE NO: 88-143-5C