REVISION	
6-15-90	Rev. Lots 189-198. Ex. Yard inlet Removed & Replaced.

GENERAL NOTES

1. The land included is zoned RSA-8 per 8-2-85 comprehensive zoning plan.
2. The coordinates shown hereon are based on the Maryland State Grid System as projected by the Howard County Geodetic Control Stations: No. 254-4001- & 254-4002.
3. Property shown hereon is located on tax map # 37, Parcel 128.
4. All roadways are public and existing.
5. All damage to county owned rights-of-way shall be corrected at the developers expense.
6. Stormwater Management for this project has been waived. See previously approved plans F-88-180
7. Roadways and parking are in accordance with road construction plans F-88-180.
8. Maximum S.F.A. lot coverage allowed: 60%
9. Site analysis:

	Townhouse	Community Owned Lots	Open Space	Total
Area(Ac.)	8.8175 Ac.			
No. Units	68	—	—	68
No. Lots	68	2	1	71

10. 100 year Flood Plain limits along Deep Run are based upon Capital Project D-4-1012 and Woodland Park, Section 2, Area 3, F-86-072.
11. Garages shall be used for parking purposes only in accordance with section 127 B.2.b.(18) of the Howard County Zoning Regulations.
12. See Office of Planning & Zoning File Nos: P-86-64, S-86-56, VP-86-113, S-82-02, P-83-01, F-84-126, F-86-72, F-88-180.
13. WP-89-95 granted an extension of Final Plan approval. VP-87-164 granted an extension of Preliminary Plan approval P-86-64. VP-86-113 granted waiver from 30' setback to 10' from an underground high volume and pressure transmission main. SDP-89-11, Woodland Village 2/1 Parcel C.

PARKING ANALYSIS

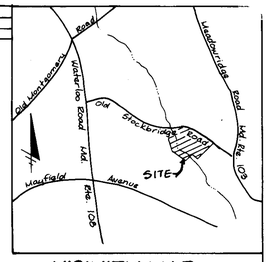
A. Garage / Driveway Parking	
Spaces Required (@ 2 sp. per unit)	44
Spaces Provided	44
B. Common Parking	
Spaces Required (@ 2 sp. per unit)	92
Spaces Provided	113
C. Total Parking Required	136
Total Parking Proposed	157

LOT	STREET ADDRESS		LOT	STREET ADDRESS	
139	7701	Chatfield Lane	172	7777	Chatfield Lane
140	7703		173	7779	
141	7705		174	7781	
142	7707		175	7783	
143	7709		176	7785	
144	7711		177	7768	
145	7715		178	7766	
146	7717		179	7764	
147	7719		180	7762	
148	7721		181	7760	
149	7723		182	7758	
150	7725		183	7756	
151	7727		184	7754	
152	7729		185	7748	
153	7733		186	7746	
154	7735		187	7744	
155	7737		188	7742	
156	7739		189	7740	
157	7741		190	7738	
158	7745		191	7736	
159	7747		192	7734	
160	7749		193	7730	
161	7751		194	7728	
162	7753		195	7726	
163	7755		196	7724	
164	7761		197	7722	
165	7763		198	7720	
166	7765		199	7714	
167	7767		200	7712	
168	7769		201	7710	
169	7771		202	7708	
170	7773		203	7706	
171	7775	Chatfield Lane	204	7704	
			206	7702	
			207	7700	Chatfield Lane

WOODLAND VILLAGE
SECTION 1, Plat 7314
ZONED R-SA-8
PARCEL B

5-25-89

NOTE: Extreme care to be utilized when working in the area of Ex. 30" Water Main. Test pits to be dug by hand to locate Ex. 30" Water Main well in advance of construction.



VICINITY MAP
Scale: 1" = 2000'

LEGEND

Contour Interval	2 FT
Existing Contour	410
Proposed Contour	410
Spot Elevation	+10.2
Direction of Drainage	
Walk out Basement	WOB
Trees to be Saved	
Existing Trees	

Subdivision Name: Woodland Village			Sect. / Area: 2/1	Lots: 139-209
Plat No.: 8580-8582	Block: 19	Zone: R-SA-8	Tax / Zone #: 37	Elec. Dist: 1ST	Census Tr: 6011
Water Code: 0-09			Sewer Code: 2650000	

CLARK • FINEFROCK & SACKETT, INC.
ENGINEERS • PLANNERS • SURVEYORS
7135 MINSTREL WAY • COLUMBIA, MD 21045 • (301) 381-7900 BALTO • (301) 621-8181 WASH

DESIGNED RHG	SITE DEVEVELOPMENT PLAN LOTS 139 THRU 209 SECTION 2, AREA 1	SCALE 1"=30'
DRAWN P.E.R.	WOODLAND VILLAGE 1ST ELECTION DISTRICT HOWARD COUNTY, MARYLAND	DRAWING 1 of 6
CHECKED J.M.E.		JOB NO 85-148
DATE 5-3-89	FOR: CHATEAU BUILDERS, INC. 8100 Wooded Glen Court Ellicott City, Maryland 21043	FILE NO 85-148X

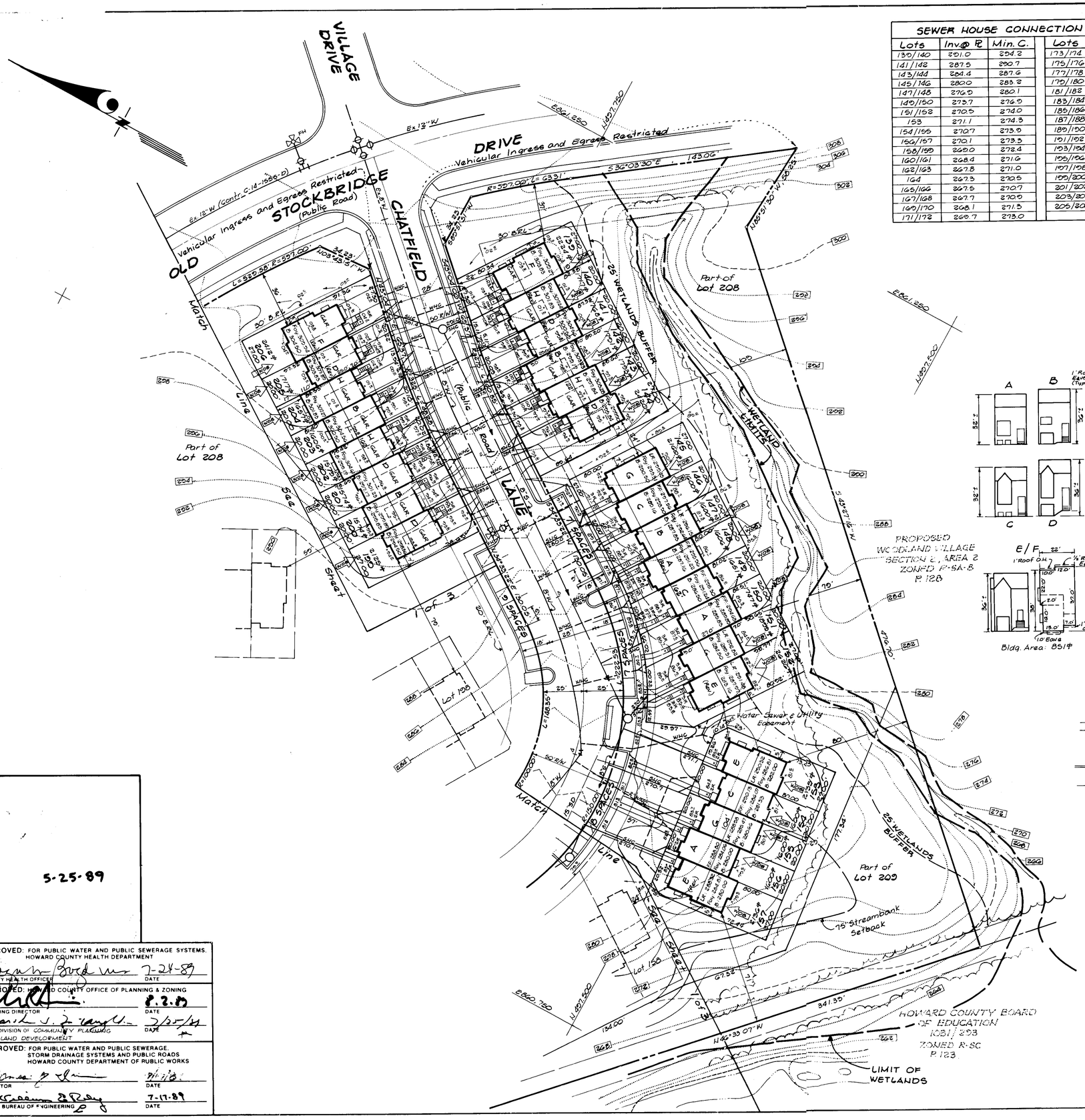
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT
COUNTY HEALTH OFFICER — DATE 7-24-89

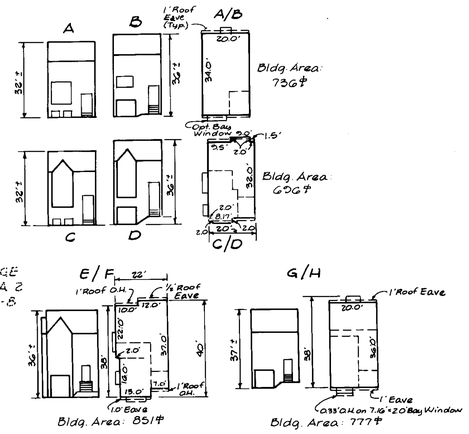
APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
PLANNING DIRECTOR — DATE 8-3-89
CHIEF DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT — DATE 7-25-89

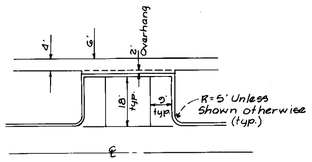
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DIRECTOR — DATE 7/12/89
CHIEF BUREAU OF ENGINEERING — DATE 7-17-89

SDP-89-215

SEWER HOUSE CONNECTION TABLE					
Lots	Inv@ PL	Min. C.	Lots	Inv@ PL	Min. C.
139/140	291.0	294.2	173/174	265.0	268.2
141/142	287.5	290.7	175/176	266.3	269.5
143/144	284.4	287.6	177/178	271.1	274.3
145/146	280.0	283.2	179/180	272.4	275.6
147/148	276.5	280.1	181/182	273.6	276.8
149/150	273.7	276.5	183/184	274.9	278.1
151/152	270.5	274.0	185/186	276.3	279.5
153	271.1	274.3	187/188	276.5	279.7
154/155	270.7	273.5	189/190	276.9	280.1
156/157	270.1	273.3	191/192	277.5	280.7
158/159	269.0	272.4	193/194	268.8	272.0
160/161	268.4	271.6	195/196	269.3	272.5
162/163	267.8	271.0	197/198	269.9	273.1
164	267.3	270.5	199/200	283.6	286.8
165/166	267.5	270.7	201/202	286.7	289.9
167/168	267.7	270.9	203/204	280.7	283.9
169/170	268.1	271.3	205/206	201.4	204.8
171/172	269.7	273.0			







TYPICAL PARKING
No Scale

5-25-89

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

COUNTY HEALTH OFFICER — DATE 7-24-89

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING

PLANNING DIRECTOR — DATE 8.2.89

CHIEF DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT — DATE 7/25/89

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

DIRECTOR — DATE 7/17/89

CHIEF BUREAU OF ENGINEERING — DATE 7-17-89

Subdivision Name: Woodland Village				Sect./Area 2/1	Lots: 139-209
Plat No.: 8580-82	Block: 15	Zone: R-SA-8	Tax/Zone # 37	Elec. Dist. 1ST	Census Tr. 6011
Water Code: D-03			Sewer Code: 2650000		

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ENGINEERS • PLANNERS • SURVEYORS
7175 MINSTREL WAY • COLUMBIA, MD. 21045 • (301) 381-7500 BALTO. • (301) 621-8388 WASH.

DESIGNED R.H.G.	SITE DEVEVELOPMENT PLAN LOTS 139 THRU 209 SECTION 2, AREA 1 **WOODLAND VILLAGE** 1ST ELECTION DISTRICT HOWARD COUNTY, MARYLAND	SCALE 1"=50'
DRAWN P.E.R.		DRAWING 2 OF 6
CHECKED J.M.E.		JOB NO 85-148
DATE 5-3-89	FOR: CHATEAU BUILDERS, INC. 8100 Wooded Glen Court Ellicott City, Maryland 21043	FILE NO 85-148X

SDP-89-215

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:

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 thre 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 1½ 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.

Seedbed 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 2½ 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 1½ 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.

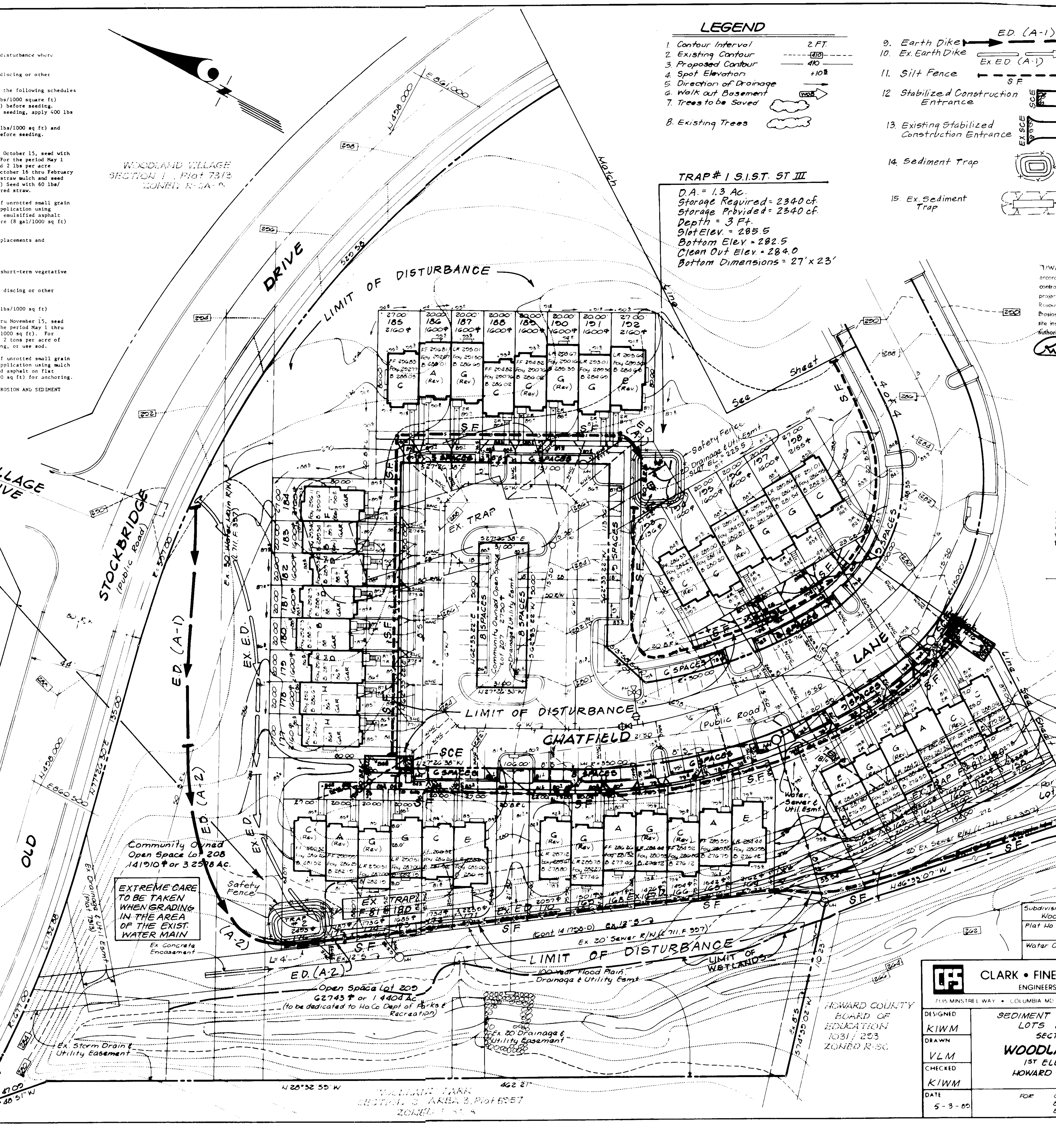
Refer to the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for rate and methods not covered.

SEDIMENT CONTROL NOTES

1) A minimum of 24 hours notice must be given to the Howard County Office of Inspection and Permits prior to the start of any construction. (992-2437)
2) All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
3) Following initial soil disturbance or 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.
4) All sediment traps/basins shown must be fenced and warning signs posted around their perimeter in accordance with Vol. 1, Chaper 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 6.08 Acres
   - Area Disturbed 4.25 Acres
   - Area to be roofed or paved 1.37 Acres
   - Area to be vegetatively stabilized 2.88 Acres
   - Total Cut ______ Cu. yds
   - Total Fill ______ Cu. yds
   - Offsite waste/borrow area location ______
8) Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
9) Additional sediment control must be provided, if deemed necessary by the Howard County DPW sediment control inspector.
10) On all sites with disturbed areas in excess of 2 acres, approval of the inspection agency shall be requested upon completion of installation of perimeter erosion and sediment controls, but before proceeding with any other earth disturbance or grading. Other building or grading inspection approvals may not be authorized until this initial approval by the inspection agency is made.
11) If houses are to be constructed on an "As-Sold" basis, at random, 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).
13) The total amount of straw bale dikes/silt fence equals 2230 L.F.

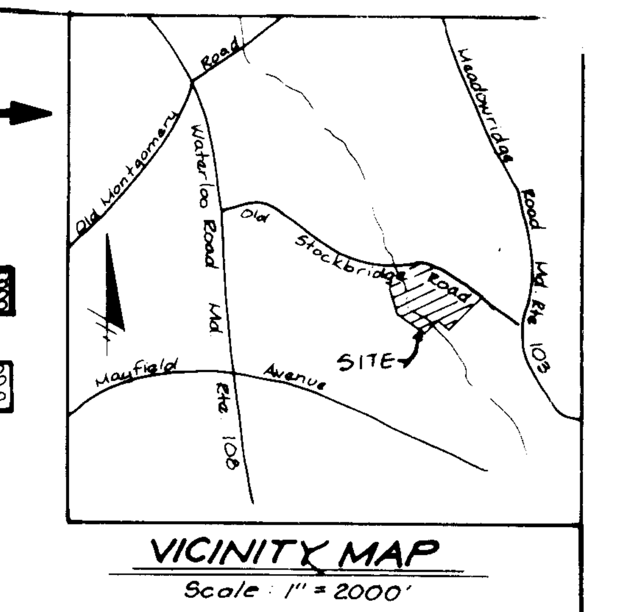
TRAP # 2 S.O.S.T. ST V

D.A. = 0.80 Acre
Storage Required = 1440 cf
Storage Provided = 1440 cf
Depth = 3 Ft.
Top of Stone Elev. = 276.0
Bottom Elev. = 272.0
Clean Out Elev. = 273.5
Bottom Dimensions = 27' x 13'
1:1 Side Slopes



LEGEND

1. Contour Interval — 2 FT.
2. Existing Contour — 410
3. Proposed Contour — 410
4. Spot Elevation — +10.5
5. Direction of Drainage
6. Walk out Basement — WOB
7. Trees to be Saved
8. Existing Trees
9. Earth Dike — E.D. (A-1)
10. Ex. Earth Dike — Ex. E.D. (A-1)
11. Silt Fence — S.F.
12. Stabilized Construction Entrance — SCE
13. Existing Stabilized Construction Entrance — EX. SCE
14. Sediment Trap
15. Ex. Sediment Trap



VICINITY MAP
Scale: 1" = 2000'

TRAP # 1 S.I.S.T. ST III

D.A. = 1.3 Ac.
Storage Required = 2340 cf.
Storage Provided = 2340 cf.
Depth = 3 Ft.
Slot Elev. = 285.5
Bottom Elev. = 282.5
Clean Out Elev. = 284.0
Bottom Dimensions = 27' x 23'

DEVELOPER'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."

Richard Azrael — 5-1-89
Signature of Developer/Builder — Date

5-2-89

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 — 5-2-89
Date

Reviewed for HOWARD S.C.D.
Name
and meets Technical Requirements
Signature — Date
U.S. Soil Conservation Service

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

Approved — Date

5-25-89

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT
COUNTY HEALTH OFFICER — DATE 7-24-89

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
PLANNING DIRECTOR — DATE 8-2-89
CHIEF DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT — DATE 7/25/89

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DIRECTOR — DATE
CHIEF BUREAU OF ENGINEERING — DATE 7-17-89

Subdivision Name			Sect. / Area	Lots	
Woodland Village			2/1	139-209	
Plat No.	Block: R-SA-8	Zone:	Tax/Zone #: 37	Elec Dist: 1st	Census Tr.
Water Code:			Sewer Code:		

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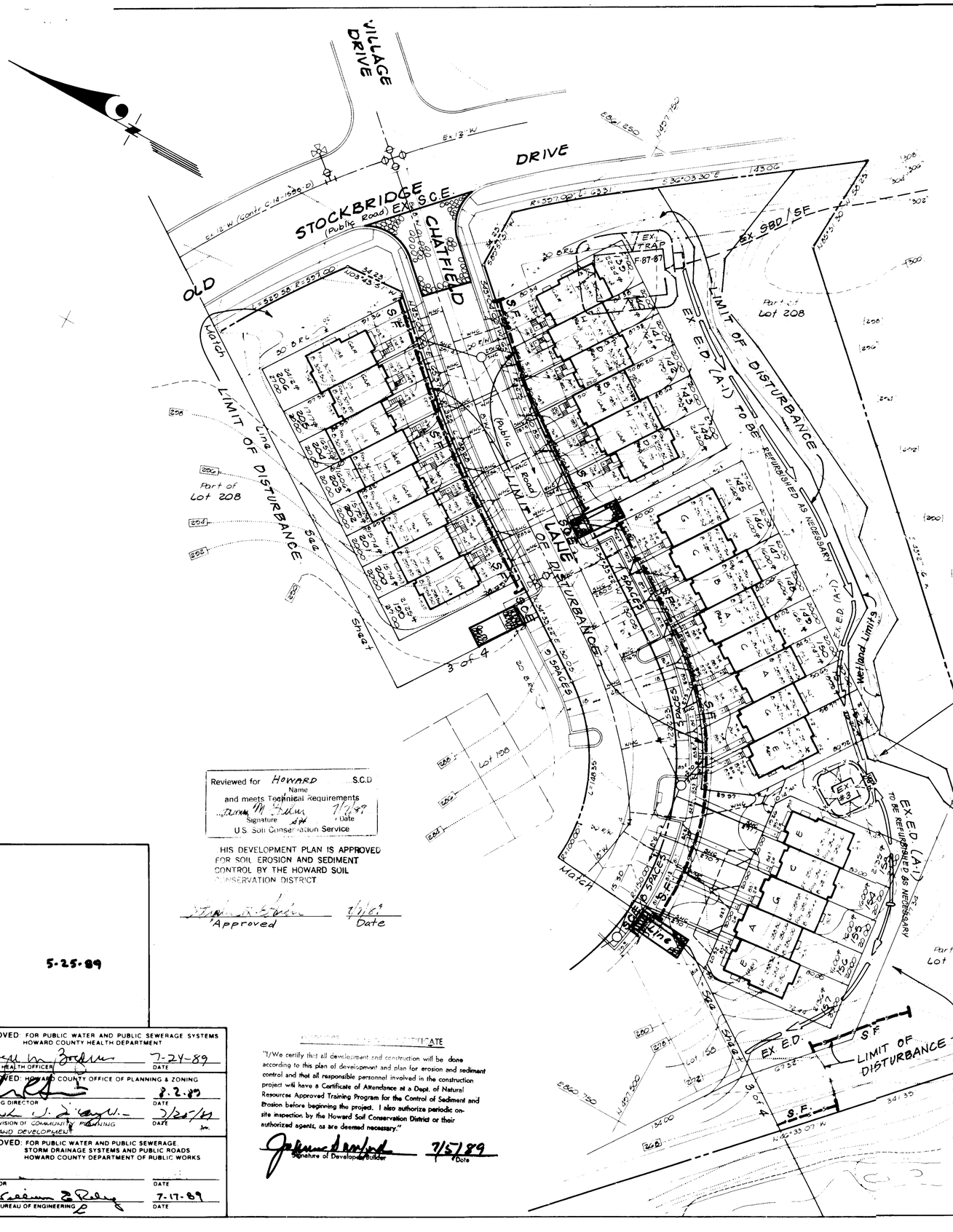
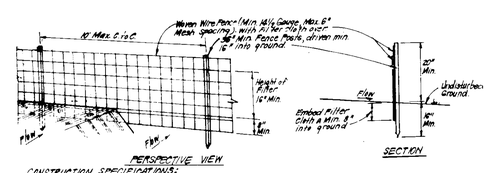
ENGINEERS • PLANNERS • SURVEYORS
7135 MINSTREL WAY • COLUMBIA MD 21045 • (301) 381-7500 - BALTO • (301) 621-8100 - WASH

DESIGNED KIWM	SEDIMENT & EROSION CONTROL PLAN LOTS 139 - 206 & 208 SECTION 2, AREA 1 **WOODLAND VILLAGE** 1ST ELECTION DISTRICT HOWARD COUNTY, MARYLAND	SCALE 1" = 30'
DRAWN VLM		DRAWING 3 of 6
CHECKED KIWM		JOB NO. 85-148
DATE 5-3-89	FOR CHATEAU BUILDERS, INC. 8100 Wooded Glen Court Ellicott City, Maryland 21043	FILE NO. 85-148SE

SDP-89-215



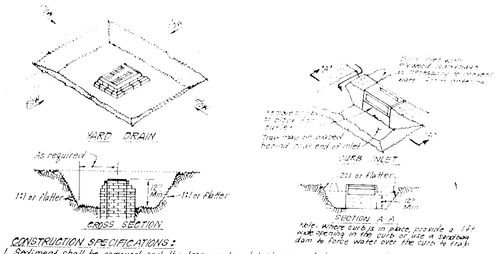
Ex. Trap #3 (SO.ST) ST-IV
TO BE REFURBISHED AS NECESSARY
D.A. = 0.60 Ac
Storage Req'd = 1080 c.f.
Storage Provided = 1088 c.f.
Depth = 2'
Top of Stone Crest = 279.0
Bottom Elev. = 274.0
Clean Out Elev. = 276.0
Bottom Dimensions = 13'x12'
1:1 Side Slopes.



CONSTRUCTION SPECIFICATIONS:
1. Woven wire fence to be fastened securely to fence posts with wire ties or staples
2. Filter Cloth to be fastened securely to woven wire fence with ties spaced every 36" at top and mid section.
3. When 2 sections of filter cloth adjoin each other they shall be overlapped by 6" and folded.
4. Maintenance shall be performed as needed and material removed when "bulges" develop in Silt Fence

POSTS: Steel either T or U Type or 2"x 2" hardwood
FENCE: Woven Wire, 14½ Gauge, 6" Mesh Opening
FILTER CLOTH: Filter X, Mirafi 100X, Stabinka, T140N or Approv. equal
PREFABRICATED UNIT: GeoFab, Envirofence, or Approv. equal

SILT FENCE DETAIL (S)
NO SCALE



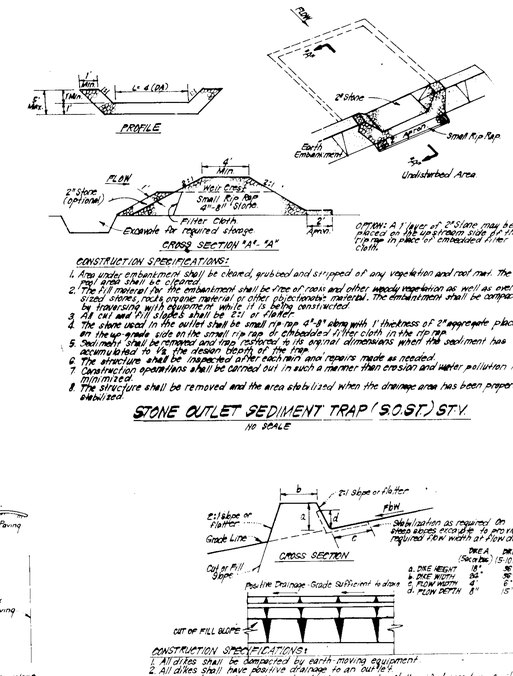
CONSTRUCTION SPECIFICATIONS:
1. Sediment shall be removed and the trap restored to its original dimensions when sediment has accumulated to ½ the design depth of the trap. Removed sediment shall be deposited in a suitable area and in such a manner that it will not erode.
2. The volume of sediment storage shall be 1800 c.f. /acre of contributory drainage.
3. The structure shall be inspected after each rain and repairs made as needed.
4. Construction operations shall be carried out in such a manner that erosion and water pollution shall be minimized.
5. The sediment trap shall be removed and the area stabilized when the contributed drainage area has been properly stabilized.
6. All cut slopes shall be 1:1 or flatter.

STORM INLET SEDIMENT TRAP (S/ST.) ST-III
NO SCALE

CONSTRUCTION SEQUENCE:

		# 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.	30
C.	Construct Structures, Sidewalks and Driveways.	90
D.	Final Grade and scabilize in accordance with Stds. & Specs.	7
E.	Upon approval of the sediment control inspector. remove sediment and erosion controls and stabilize.	3

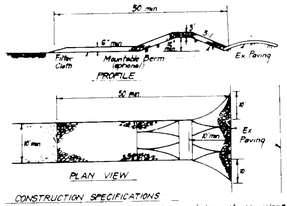
NOTES: Construction of units on lots 171-176 and 158-163 must be delayed until ex. traps from F-81-180 have been removed per stabilization of road R/W and approval of Sediment Control Inspector.
Wetlands must be clearly marked on the field prior to any field work commencing.



OPTION: A 1' layer of 2" Stone may be placed on the upstream side of the trap in place of embedded filter cloth.

CONSTRUCTION SPECIFICATIONS:
1. Area under embankment shall be cleared, grubbed and stripped of any vegetation and root mat. The pool area shall be cleared.
2. The fill material for the embankment shall be free of roots and other woody vegetation as well as over 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 2:1 or flatter.
4. The stone used in the outlet shall be small rip rap 4"-8" along with 1' thickness of 2" aggregate placed on the up-stream side of the small rip rap or alternative filter cloth in the rip rap.
5. Sediment shall be removed and trap restored to its original dimensions when the sediment has accumulated to ½ 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 than 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.ST.) ST-V
NO SCALE



CONSTRUCTION SPECIFICATIONS
1. Stone size - Use 2" stone or recleimed or recycled concrete equivalent.
2. Length - As required, but not less than 50 feet (except on a single residence lot where a 30 feet minimum length would apply)
3. Thickness - Not less than six (6) inches
4. Width - Ten (10) feet minimum, but not less than the full width at points where ingress or egress occurs.
5. Filter Cloth - Will be placed over the entire area prior to placing of stone. Filter will not be required on a single family residence lot.
6. Surface Water - All surface water flowing or diverted toward construction entrances shall be piped across the entrance. If piping is impractical, a mountable berm with 5" stone will be permitted.
7. Maintenance - The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment onto public rights-of-way. This may require periodic top dressing with additional stone as conditions demand and repair and/or cleanout of any measures used to trap sediment. All sediment spilled, dropped, washed or tracked onto public rights-of-way must be removed immediately.
8. Washing - Wheels shall be cleaned to remove sediment prior to entrance onto public rights-of-way. When washing is required, it shall be done on an area stabilized with stone and which drains into an approved sediment trapping device.
9. Periodic inspection and needed maintenance shall be provided after each rain.

STABILIZED CONSTRUCTION ENTRANCE (SCE)
NO SCALE

	DIKE A (Scale Dia.)	DIKE B (Scale Dia.)
a. DIKE HEIGHT	18"	36"
b. DIKE WIDTH	24"	48"
c. FLOW WIDTH	4'	8'
d. FLOW DEPTH	9"	18"

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.

FLOW CHANNEL STABILIZATION

TYPE OF TREATMENT	MAXIMUM GRADE	DIKE A	DIKE B
1	0.5-3.0%	Seed & Straw Mulch	Seed or Straw Mulch
2	3.1-5.0%	Seed & Straw Mulch	Seed w/Jute or Excelsior Seed, 2" Stone
3	5.1-8.0%	Seed w/Jute or Sod, 2" Stone	Lined Rip Rap 2"-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 2"-8" in a layer at least 8" thick, pressed into soil.
C. Approved equivalents can be substituted for any of the above materials.
7. Periodic Inspection and Required Maintenance must be provided after each rain.

EARTH DIKE DETAIL (E.D.)
NO SCALE

Reviewed for HOWARD S.C.D.
Name
and meets Technical Requirements
Signature Date
U.S. Soil Conservation Service

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

Approved — Date

5-25-89

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT
COUNTY HEALTH OFFICER — DATE 7-24-89

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
PLANNING DIRECTOR — DATE 8.2.89
CHIEF DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT — DATE 7/25/89

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DIRECTOR — DATE
CHIEF BUREAU OF ENGINEERING — DATE 7-17-89

CERTIFICATE

"I/We certify that all development and construction will be done according to this plan of development and plan for erosion and sediment control and that all responsible personnel involved in the construction project will have a Certificate of Attendance at a Dept. of Natural Resources Approved Training Program for the Control of Sediment and Erosion before beginning the project. I also authorize periodic on-site inspection by the Howard Soil Conservation District or their authorized agents, as are deemed necessary."

Signature of Developer/Builder — Date 7/5/89

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.

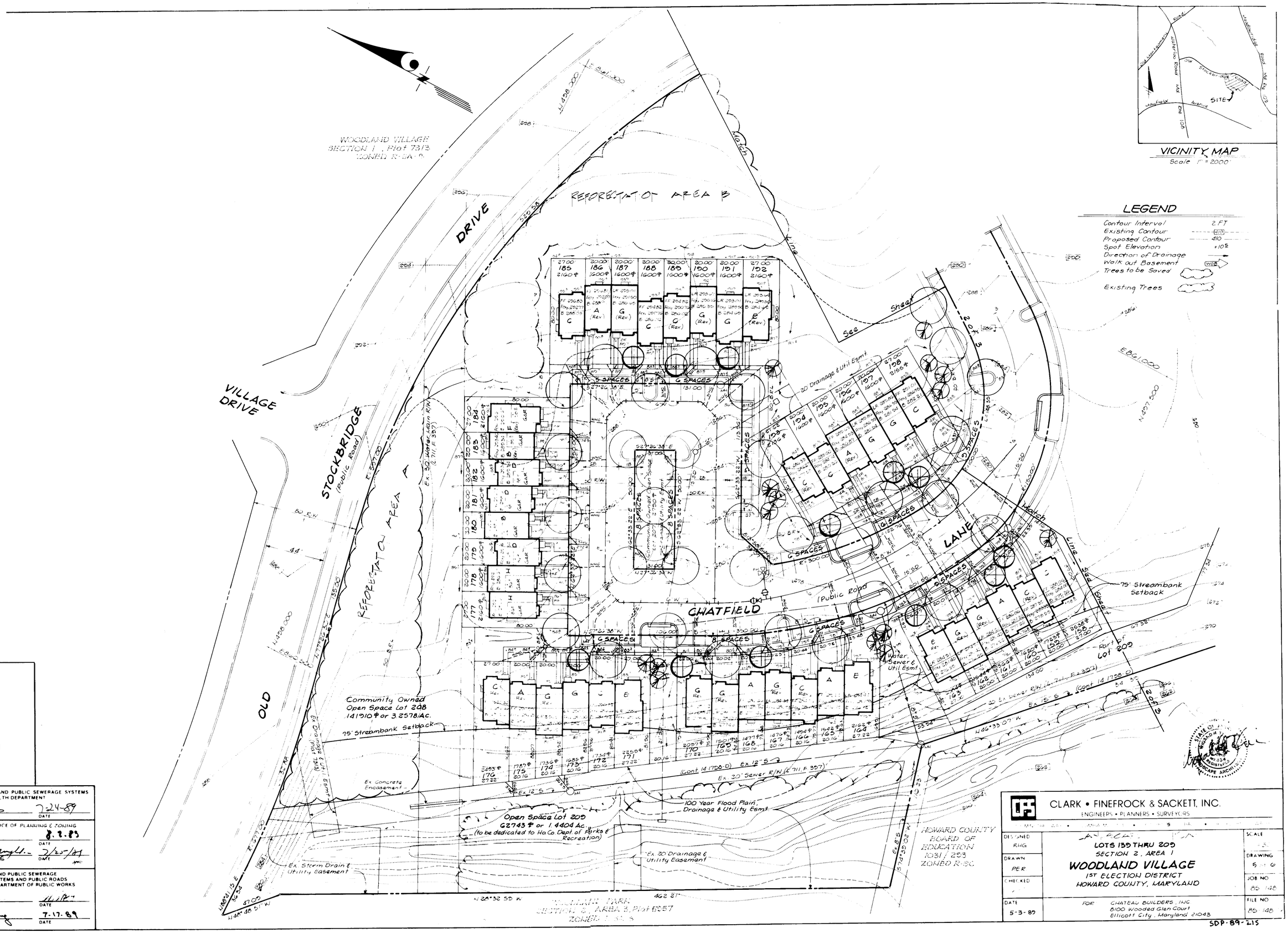
G. Nelson Clark — 5-3-89 Date

STATE OF MARYLAND — G. NELSON CLARK — No. 7139 — REGISTERED PROFESSIONAL ENGINEER — 5-3-89

CLARK • FINEFROCK & SACKETT, INC.
ENGINEERS • PLANNERS • SURVEYORS
114 MINTHORNE WAY • COLUMBIA, MD. 21044 • 301-730-8183 • BALTIMORE • ANNAPOLIS, MD.

DESIGNED KIWM	SEDIMENT & EROSION CONTROL PLAN LOTS 139-206 & 208 SECTION 2, AREA 1	SCALE 1"=20'
DRAWN VLM	WOODLAND VILLAGE	DRAWING 4 of 6
CHECKED KIWM	1ST ELECTION DISTRICT HOWARD COUNTY, MARYLAND	JOB NO. 85-148
DATE 5-3-89	FOR CHATEAU BUILDERS, INC. 8100 Woodland Glen Court Ellicott City, Maryland 21043	FILE NO. 85-148SE

SDP-89-215



5-25-89

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

COUNTY HEALTH OFFICER — DATE 7-24-89

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING

PLANNING DIRECTOR — DATE 8.2.89

CHIEF DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT — DATE 7/25/89

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

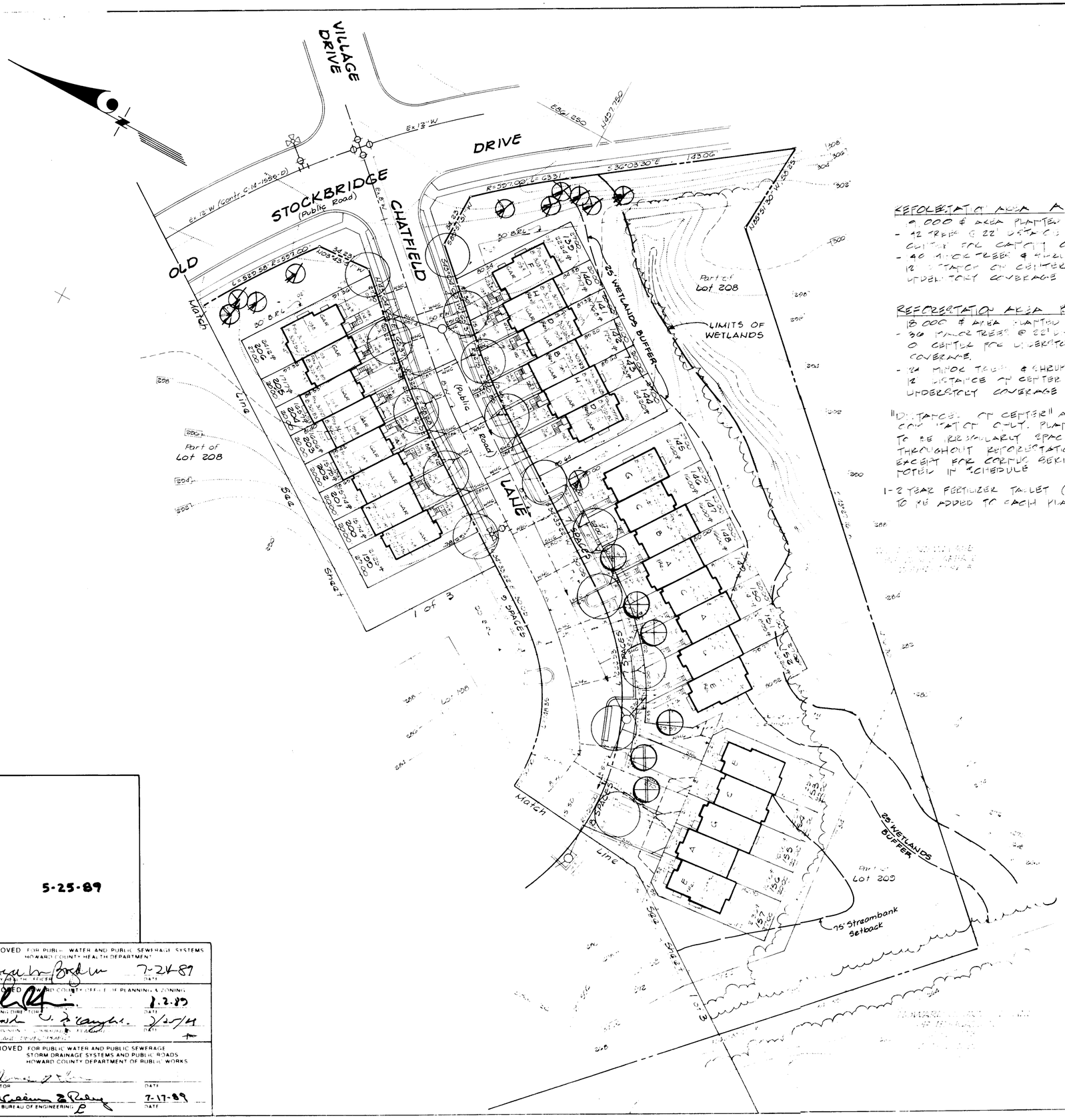
DIRECTOR — DATE 11/1/89

CHIEF BUREAU OF ENGINEERING — DATE 7-17-89

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

DESIGNED RHG	LOTS 139 THRU 209 SECTION 2, AREA 1 **WOODLAND VILLAGE** 1ST ELECTION DISTRICT HOWARD COUNTY, MARYLAND	SCALE
DRAWN PER		DRAWING 5 of 6
CHECKED		JOB NO 85-148
DATE 5-3-89	FOR CHATEAU BUILDERS, INC. 8100 Wooded Glen Court Ellicott City, Maryland 21043	FILE NO 85-148

SDP-89-215



REFORESTATION AREA A

9,000 ± AREA PLANTED WITH
- 42 TREES @ 22' INTERVALS ON CENTER FOR CANOPY COVERAGE.
- 40 MINOR TREES & SHRUBS @ 12' INTERVALS ON CENTER FOR UNDERSTORY COVERAGE

REFORESTATION AREA B

18,000 ± AREA PLANTED WITH
- 30 MAJOR TREES @ 22' INTERVALS ON CENTER FOR UNDERSTORY COVERAGE.
- 24 MINOR TREES & SHRUBS @ 12' INTERVALS ON CENTER FOR UNDERSTORY COVERAGE

"INTERVALS ON CENTER" ARE FOR CONVENIENCE ONLY. PLANTINGS TO BE IRREGULARLY SPACED THROUGHOUT REFORESTATION AREAS EXCEPT FOR CORNUS SERICEA AS NOTED IN SCHEDULE

1-2 YEAR FERTILIZER TABLET (NON-BURNING) TO BE ADDED TO EACH PLANTING HOLE

REFORESTATION AREA PLANT SCHEDULE

PLANT NAME	SIZE	QUA. AREA A	QUA. AREA B	QUA. TOTAL	INST. O.C.	REMARKS
MAJOR TREE (CANOPY)						
ACER SACCHARINUM SILVER MAPLE	2/3 lb. 6' Cal.	15	12	27	22	
PLATANUS OCCIDENTALIS SYCAMORE		5	5	10		
QUERCUS RUBRA RED OAK		12	10	22		
LIRIODENDRON TULIPIFERA TULIP POPLAR		10	8	18		
MINOR TREE (UNDERSTORY)						
AMELANCHIER CANADENSIS SHADBLOW SERVICEBERRY	2/3 lb. 6' Cal.	15	13	28	12	
CERCIS CANADENSIS REDBUD		15	13	28		
CORNUS FLORIDA WHITE FLOWERING DOGWOOD		27	23	50		
SHRUB (UNDERSTORY)							
CORNUS SERICEA RED OSIER DOGWOOD	24/30" HT	14	12	26	12	3 GALLON EUONYMUS MAY BE SUBSTITUTED
LINDERA BENZOIN SPICEBUSH		37	35	72		
VIBURNUM PRUNIFOLIUM BLACK HAW VIBURNUM		32	28	60		

PLANT SCHEDULE

KEY	PLANT NAME	SIZE	QUA.	REMARKS
EVERGREEN				
✱	PICEA OMORIKA SERBIAN SPRUCE	8/10'	260	HEAVY
MINOR TREE				
⊕	AMELANCHIER CANADENSIS SHADBLOW SERVICEBERRY	8/10	10	HEAVY
⊕	PRUNUS SERRULATA KWANZAN CHERRY	2-2½ CAL	8	

NOTES:

○ ACCENT TREE IN [illegible] CANOPY COVER PLAN

5-25-89

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

COUNTY HEALTH OFFICER — DATE 7-24-89

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING

PLANNING DIRECTOR — DATE 1.2.89

CHIEF DIVISION OF LAND DEVELOPMENT — DATE 7/25/89

ADC MAP COORD. NAD83

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

DIRECTOR — DATE

CHIEF BUREAU OF ENGINEERING — DATE 7-17-89

STATE OF MARYLAND — WILLIAM H. CLARK — REGISTERED PROFESSIONAL ENGINEER

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

[illegible] — LOTS 199 thru 209
SECTION 2 AREA 1
WOODLAND VILLAGE
1ST ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

DATE [illegible] — DRAWN FEB — DESIGN [illegible] — CHECK [illegible]

OWNER: CHATEAU BUILDERS INC
9100 Wisteria Glen Court
Ellicott City, Maryland 21043

SCALE [illegible] — DRAWING 6 of 6 — JOB NO. RD-148 — FILE NO. RD-148

SDP-89-215