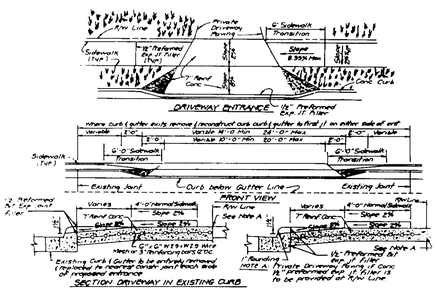
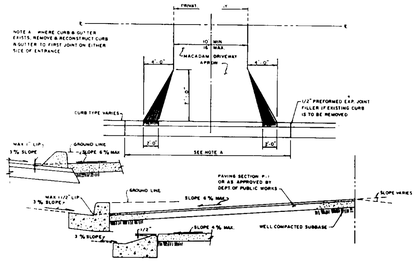


DRIVEWAY ABUTTING CLOSED SECTION WITH STD. 7" COMB. CURB & GUTTER & SIDEWALK SET BACK FROM CURB



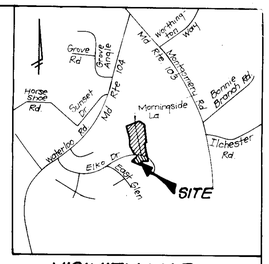
DRIVEWAY ABUTTING CLOSED SECTION WITHOUT CONCRETE SIDEWALK

SPECIAL NOTES

1. All road construction, storm drainage facilities and public water and sewer are shown for reference only. Use approved Howard County plans for all phases of construction.
2. The wetland, stream buffer indicated on this site plan does not affect the initial construction of a residential unit on a lot. If does prohibit subsequent clearing, grading or construction in the buffer area. Maintenance of residences, landscaping and utilities is permitted.

GENERAL NOTES

1. Subject property zoned R-20 as per 8-2-85 Comprehensive Zoning Plan
2. The coordinates shown hereon are based on The Maryland State Grid System and derived from the following Howard County Control Stations 2744004 and 2744005
3. All roadways are public and existing.
4. Total area included in this submission: 378,033 ± or 8.6784 Ac.
5. Total number of lots: 24
6. Any damage to county owned right-of-ways shall be corrected at the Developer's expense.
7. Maximum lot coverage is 30%
8. Reference plans S-87-61, P-87-71 and F-89-178
9. The Contractor or Developer shall contact the Construction/Inspection Survey Division, 24 hours in advance of commencement of work at 792-2630.
10. The existing topography shown was taken from road construction plans prepared by Dewberry & Davis, F-89-179
11. Improvement to property: Single Family Detached Unit



VICINITY MAP
Scale: 1" = 2000'

MINIMUM CELLAR ELEVATIONS CHART

LOT	Min. Elev.	LOT	Min. Elev.
301	434.00	337	432.00
302	438.00	338	434.50
303	437.80	339	434.80
304	437.60	340	439.00
305	438.00	341	439.00
306	437.00	342	440.00
307	436.40	343	441.00
308	436.20	344	439.00
309	436.00	345	439.00
310	438.00	346	439.00
311	431.00	347	441.00
336	431.00	348	443.00

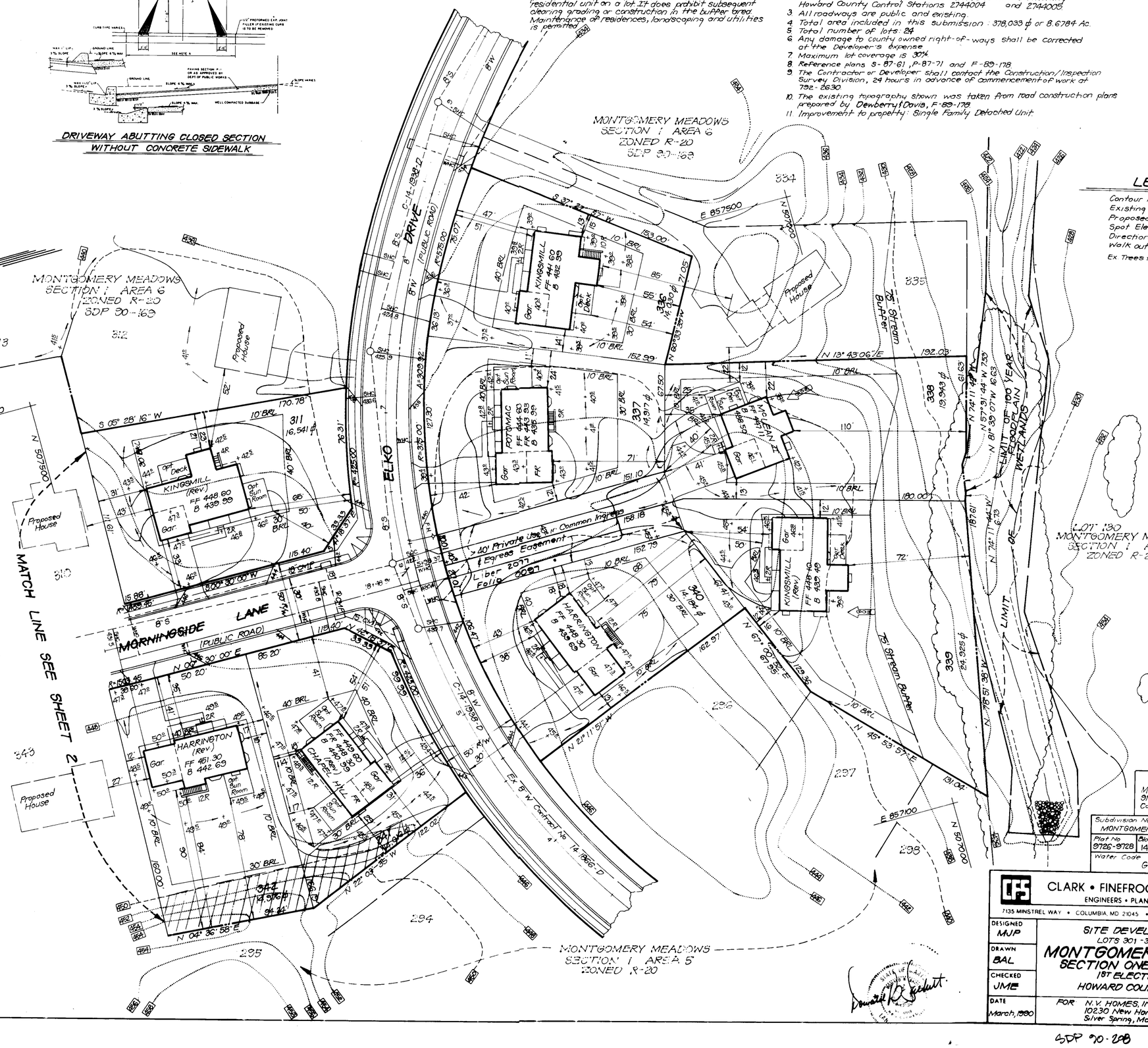
ADDRESS CHART

LOT No	STREET ADDRESS
301	5145 Morningside Lane
302	5149
303	5153
304	5157
305	5161
306	5165
307	5169
308	5173
309	5177
310	5181
311	8252 Elko Drive
336	8269
337	8273
338	8277
339	8281
340	8285
341	5166 Morningside Lane
342	5162
343	5158
344	5154
345	5150
346	5146
347	5142
348	5138

FLAG/PIPESTEM LOT & MIN. LOT AREA TABULATION

LOT No.	TOTAL LOT AREA	PIPESTEM AREA	STEEPSLOPE AREA	RESULTING MIN LOT AREA
303	18,088	3152	—	14,936
304	17,207	3204	—	14,003
307	17,322	3298	—	14,024
308	17,876	3300	—	14,576
338	19,943	3022	—	16,921
339	24,925	3056	—	21,869
341	14,016	—	1950	14,016
342	14,976	—	2376	14,000
343	14,909	—	1035	14,909

KEY
25% or greater slopes



LEGEND

Contour Interval	2 FT
Existing Contour	410
Proposed Contour	410
Spot Elevation	+10.5
Direction of Drainage	
Walk out Basement	WOB
Ex. Trees to be saved	

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
COUNTY HEALTH OFFICER — DATE 10-31-91

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING
DIRECTOR — DATE 2/6/91
CHIEF DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT — DATE 2/6/91

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DIRECTOR (Acting) — DATE 10/26/90
CHIEF BUREAU OF ENGINEERING — DATE 10-26-90

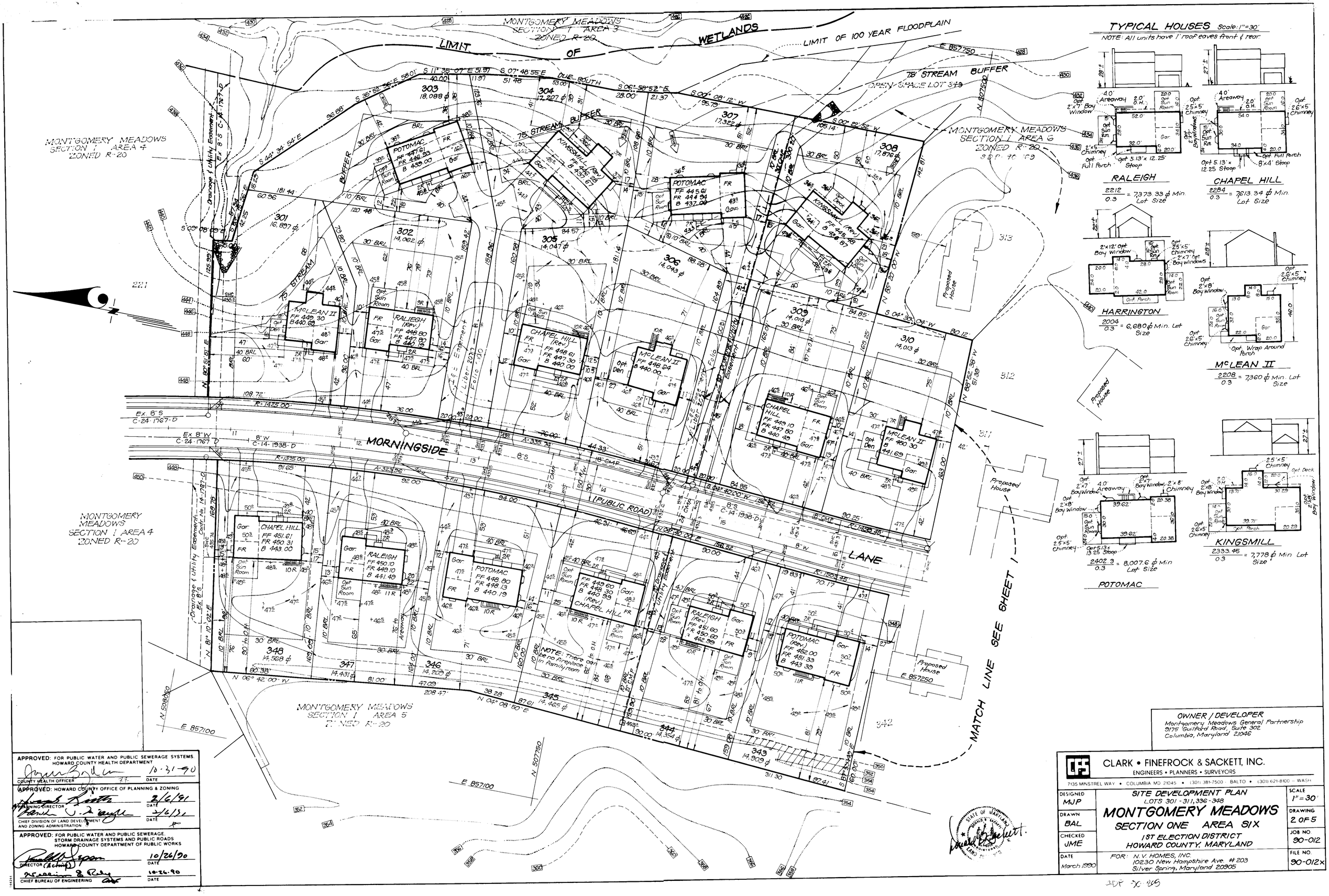
OWNER / DEVELOPER
Montgomery Meadows General Partnership
9175 Guilford Road, Suite 302
Columbia, Maryland 21046

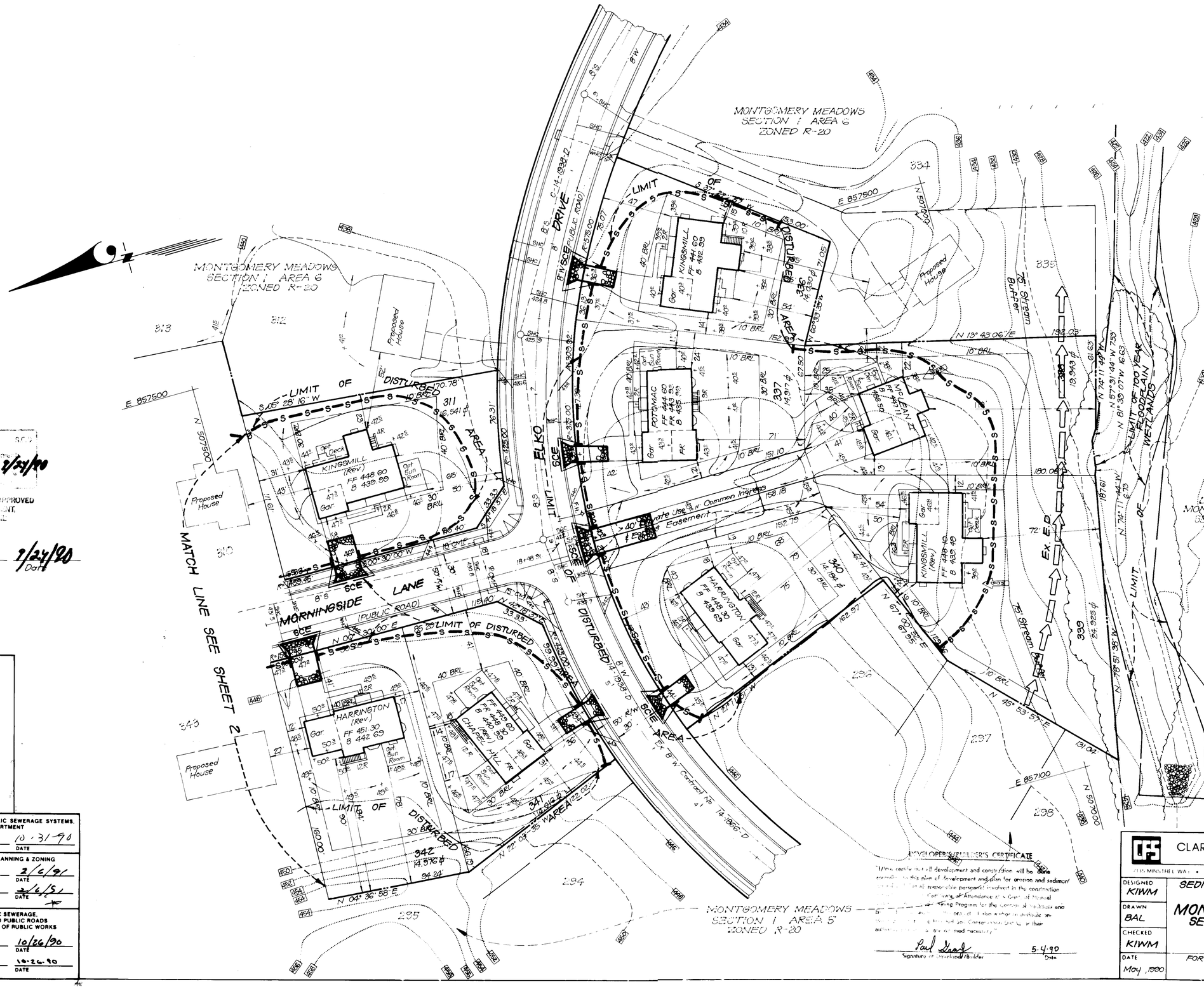
Subdivision Name		Sect./Area	Lots
MONTGOMERY MEADOWS		1/6	301-311, 336-348
Plat No	Block No	Zone	Tax Map No	Elec Dist	Census Tr
9726-9728	14 & 20	R-20	31	1ST	6011
Water Code		Sewer Code	
G-01		2900000	

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

DESIGNED MJP	SITE DEVELOPMENT PLAN LOTS 301-311, 336-348	SCALE 1" = 30'
DRAWN BAL	MONTGOMERY MEADOWS SECTION ONE AREA SIX	DRAWING 1 OF 5
CHECKED JME	1ST ELECTION DISTRICT HOWARD COUNTY, MARYLAND	JOB NO 90-012
DATE March, 1990	FOR N.V. HOMES, INC. 10230 New Hampshire Ave. Silver Spring, Maryland 20905	FILE NO 90-012 X

SDP 90-208


TYPICAL HOUSES Scale: 1" = 30'
NOTE: All units have 1' roof eaves front & rear.
RALEIGH
2212 / 0.3 = 7,373.33 ϕ Min. Lot Size
CHAPEL HILL
2284 / 0.3 = 7,613.34 ϕ Min. Lot Size
HARRINGTON
2004 / 0.3 = 6,680 ϕ Min. Lot Size
McLEAN II
2208 / 0.3 = 7,360 ϕ Min. Lot Size
KINGSMILL
2333.45 / 0.3 = 7,778 ϕ Min. Lot Size
POTOMAC
2402.3 / 0.3 = 8,007.6 ϕ Min. Lot Size
MONTGOMERY MEADOWS SECTION 1 AREA 3 ZONED R-20
LIMIT OF WETLANDS
LIMIT OF 100 YEAR FLOODPLAIN
75' STREAM BUFFER
OPEN SPACE LOT 313
MONTGOMERY MEADOWS SECTION 1 AREA 4 ZONED R-20
MONTGOMERY MEADOWS SECTION 1 AREA 6 ZONED R-20
MONTGOMERY MEADOWS SECTION 1 AREA 5 ZONED R-20
MORNINGSIDE LANE (PUBLIC ROAD)
Proposed House
NOTE: There are no fireplaces in family room
MATCH LINE SEE SHEET 1
OWNER / DEVELOPER
Montgomery Meadows General Partnership
9175 Guilford Road, Suite 302
Columbia, Maryland 21046
CLARK • FINEFROCK & SACKETT, INC.
ENGINEERS • PLANNERS • SURVEYORS
7135 MINSTREL WAY • COLUMBIA MD 21045 • (301) 381-7500 - BALTO • (301) 621-8100 - WASH
DESIGNED MJP
DRAWN BAL
CHECKED JME
DATE March 1990
SITE DEVELOPMENT PLAN
LOTS 301 - 311, 336 - 348
MONTGOMERY MEADOWS
SECTION ONE AREA SIX
1ST ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
FOR: N.V. HOMES, INC.
10230 New Hampshire Ave. #203
Silver Spring, Maryland 20905
SCALE 1" = 30'
DRAWING 2 OF 5
JOB NO. 90-012
FILE NO. 90-012X
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT
COUNTY HEALTH OFFICER 10-31-90 DATE
APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
PLANNING DIRECTOR 2/6/91 DATE
CHIEF DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION 2/6/91 DATE
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DIRECTOR (Acting) 10/26/90 DATE
CHIEF BUREAU OF ENGINEERING 10-26-90 DATE
STATE OF MARYLAND JAMES E. SACKETT LAND SURVEYOR
SDP 90-165



VICINITY MAP

Scale 1" = 2000'

LEGEND

Contour Interval	2 FT
Existing Contour	410
Proposed Contour	410
Spot Elevation	+10.5
Direction of Drainage	
Walk out Basement	W.O.B.
Ex Trees to be saved	
Existing Earth Dike	EX. E.D.
Silt Fence	S S S
Earth Dike	E.D. (A-1)
Stabilized Construction Entrance	SCE

OWNER/DEVELOPER
Montgomery Meadows General Partnership
9175 Guilford Road, Suite 302
Columbia, Maryland 21046

DEVELOPER'S/BUILDER'S CERTIFICATE

"I/we certify that all development and construction will be done according to this plan of development and plan for erosion and sediment control, and that responsible personnel involved in the construction project will have a Certificate of Attendance at a Course of Maryland Department of Environment approved training program for the control of sediment and erosion control. I/we also authorize periodic on-site inspections by Howard County personnel or their authorized agents as deemed necessary."

Paul Grad
Signature of Developer/Builder — 5-4-90 Date

5-3-90

G. Nelson Clark — 5-3-90 Date

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

COUNTY HEALTH OFFICER — 10-31-90 DATE

APPROVED: HOWARD COUNTY DEPT OF PLANNING & ZONING

DIRECTOR — 2/6/91 DATE

CHIEF DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT — 2/6/91 DATE

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

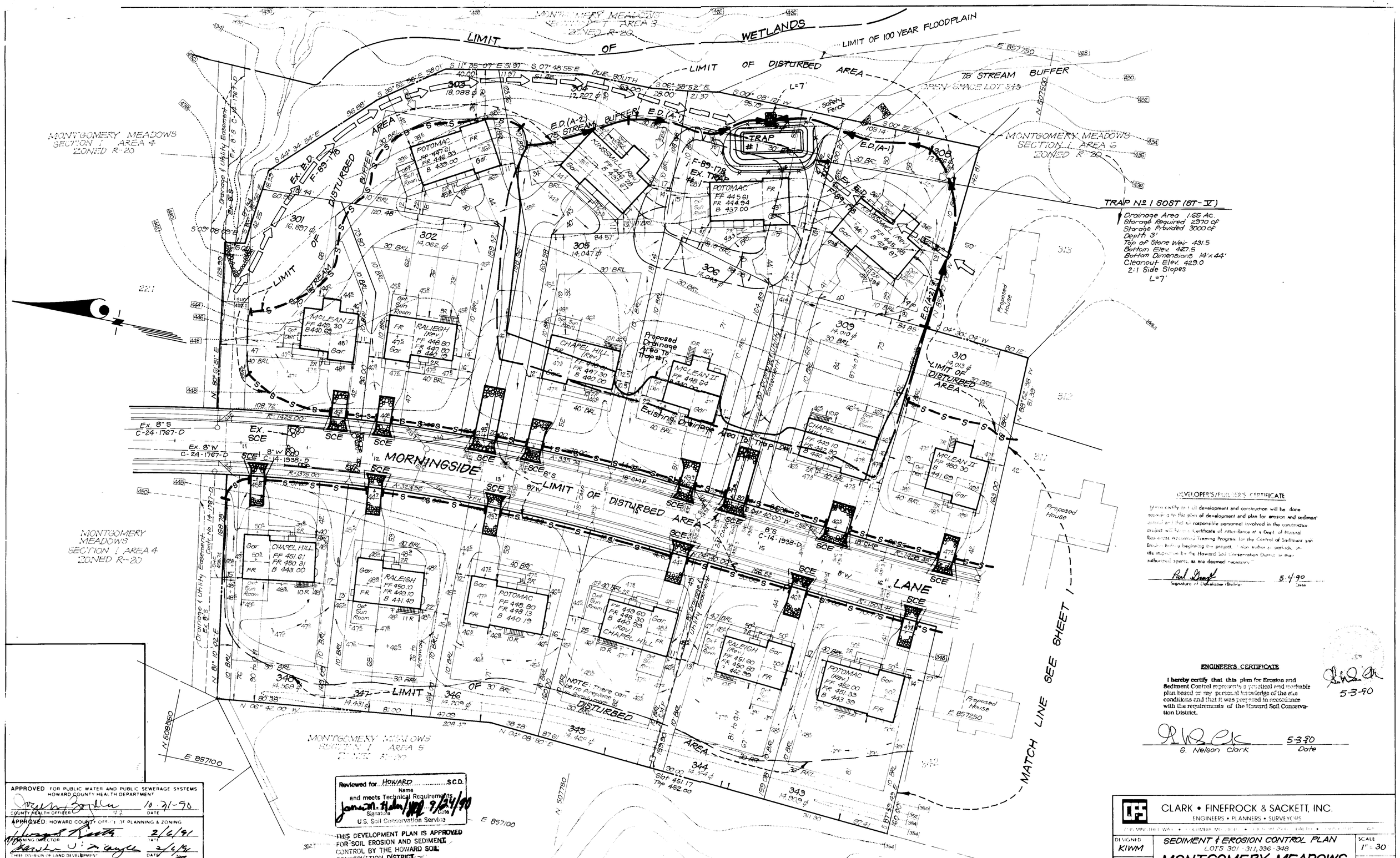
DIRECTOR (Acting) — 10/26/90 DATE

CHIEF BUREAU OF ENGINEERING — 10-26-90 DATE

CLARK • FINEFROCK & SACKETT, INC.
ENGINEERS • PLANNERS • SURVEYORS
7115 MINSTREL WAY • COLUMBIA, MARYLAND • (301) 992-5515 • BALTIMORE • WASHINGTON

DESIGNED KIWM	SEDIMENT & EROSION CONTROL PLAN	SCALE 1" = 30'
DRAWN BAL	LOTS 301-311, 336-348	DRAWING 3 OF 5
CHECKED KIWM	MONTGOMERY MEADOWS SECTION ONE AREA SIX	JOB NO 90-012
DATE May, 1990	1ST ELECTION DISTRICT HOWARD COUNTY, MARYLAND	FILE NO 90-012SE
	FOR N.V. HOMES, INC. 10230 New Hampshire Ave Silver Spring, Maryland 20905	

SDP-90-205



DEVELOPER'S/BUILDER'S CERTIFICATE

"I/we certify that all development and construction will be done according to this plan of development and plan for erosion and sediment control, and that all responsible personnel involved in the construction project will receive 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."

Paul Shapiro — Signature of Developer/Builder — 5-4-90 Date

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 — 5-3-90 Date

5-3-90

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

COUNTY HEALTH OFFICER	10-31-90 DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING

PLANNING DIRECTOR	2/6/91 DATE
CHIEF DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION	2/6/91 DATE

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

DIRECTOR (Acting)	10/26/90 DATE
CHIEF BUREAU OF ENGINEERING	10-26-90 DATE

Reviewed for HOWARD S.C.D.
Name
and meets Technical Requirements
Signature — 9/24/90 Date
U.S. Soil Conservation Service

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

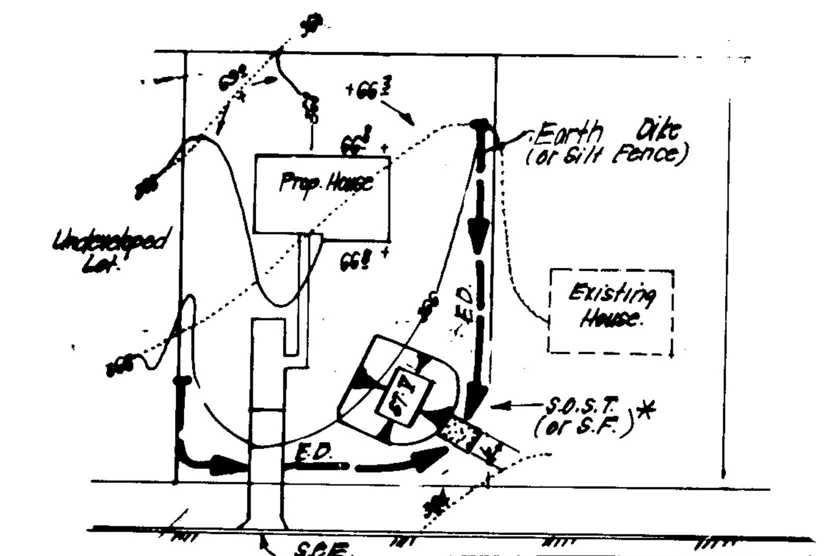
John R. Robertson — 9/24/90
Approved — Date

OWNER/DEVELOPER
Montgomery Meadows General Partnership
9175 Guilford Road, Suite 302
Columbia, Maryland 21046

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

DESIGNED KIWM	SEDIMENT & EROSION CONTROL PLAN LOTS 301-311, 336-348	SCALE 1" = 30
DRAWN BAL	MONTGOMERY MEADOWS SECTION ONE AREA SIX	DRAWING 4 OF 5
CHECKED KIWM	1ST ELECTION DISTRICT HOWARD COUNTY, MARYLAND	JOB NO 90-012
DATE May 1990	FOR N.V. HOMES, INC 10230 New Hampshire Ave #203 Silver Spring, Maryland 20905	FILE NO 90-012SE

SDP-90-208



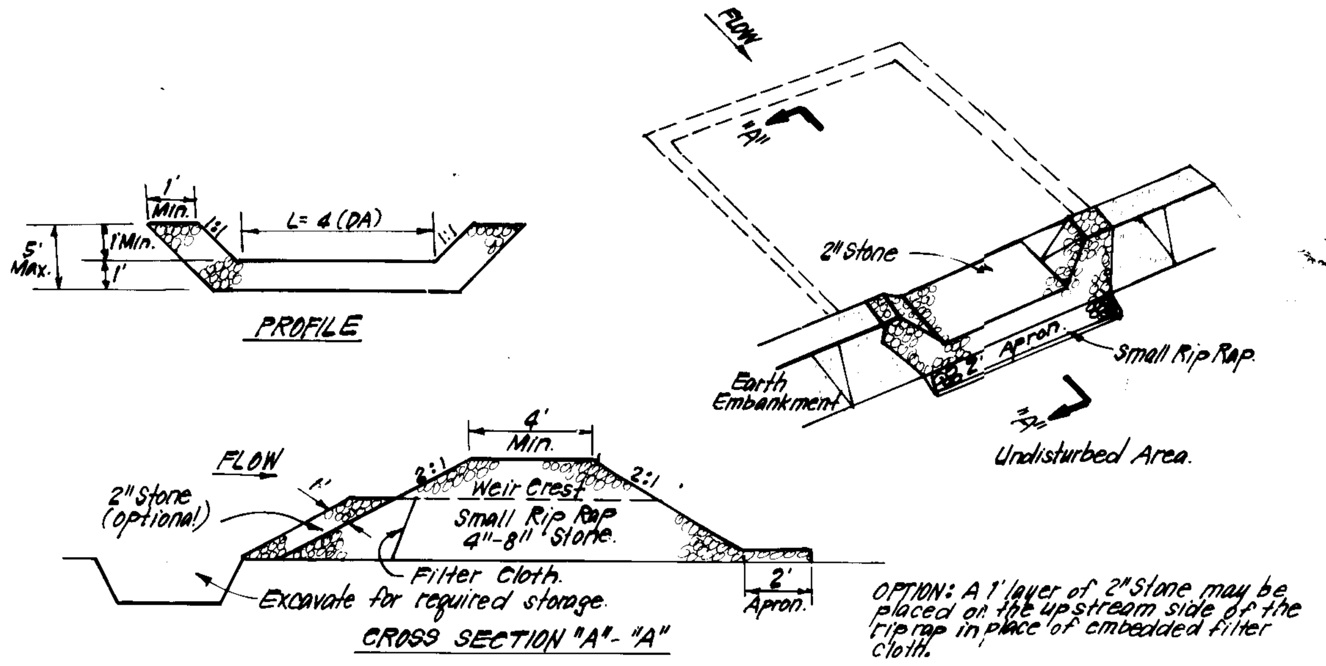
*NOTE: Single lot detail can not be utilized if any two lots sharing common property lines are to be disturbed at the same time or on any lots showing a sediment trap.

*S.O.S.T. (ST-V) Pg. 16.12			
LOT SIZE	1/4 Ac.	1/2 Ac.	1 Ac.
L	2'	3'	[illegible]
Depth	2'	2'	[illegible]
+Bot. Length	11'	26'	26'
+Bot. Width	11'	11'	26'
Bot. Area	121	286	676

+ can be adjusted in field, but bottom area must be as given or greater

SINGLE LOT SEDIMENT CONTROL PLAN

NO SCALE

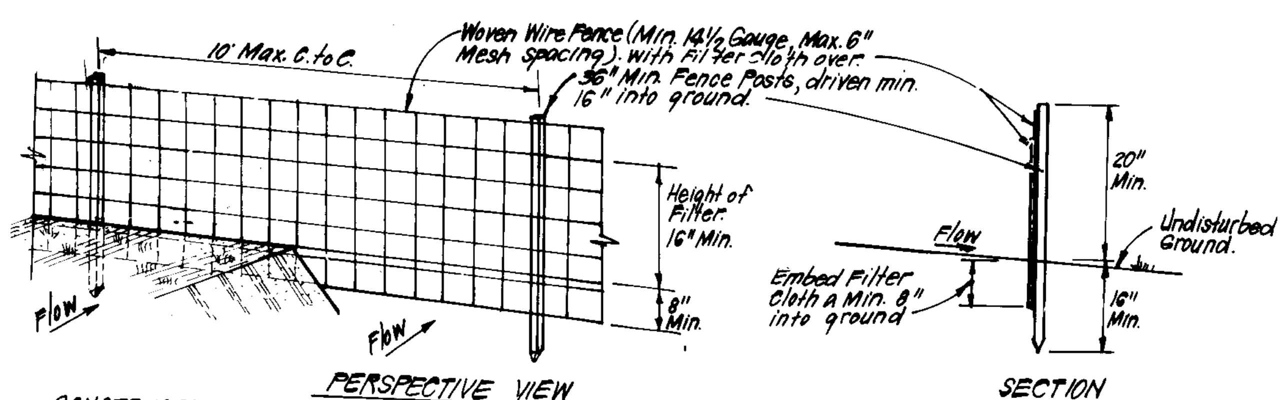


CONSTRUCTION SPECIFICATIONS:

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-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 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.S.T.) ST-V

NO SCALE



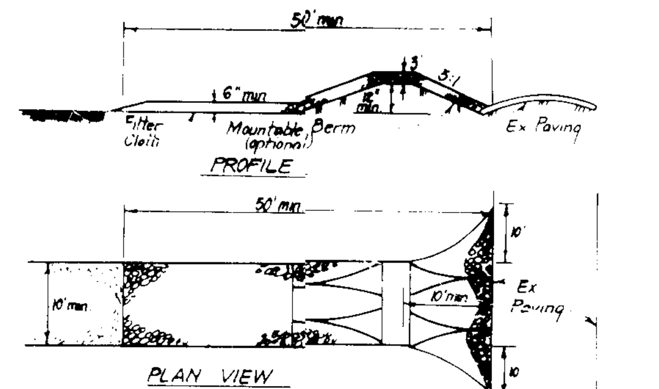
CONSTRUCTION SPECIFICATIONS:

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 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" Hardwood.
FENCE: Woven Wire, 14 1/2 Gage 6" Max. Mesh Opening.
FILTER CLOTH: Filter X, Mirafi 100X, Stablinka, T140N or Approv. equal.
PREFABRICATED UNIT: Geofab, Envirofence, or Approv. equal.

SILT FENCE DETAIL (S)

NO SCALE



CONSTRUCTION SPECIFICATIONS:

1. Stone size - Use 2" stone, or reclaimed or recycled concrete equivalent.
2. Length - As required, but not less than 50 feet except on a single residence lot where a 30 foot minimum length would apply.
3. Thickness - Not less than six (6) inches.
4. Width - Ten (10) foot 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 5:1 slopes 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

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 8.678 Acres
   - Area Disturbed 7.20 Acres
   - Area to be roofed or paved 1.91 Acres
   - Area to be vegetatively stabilized 5.29 Acres
   - Total Cut 10,071 Cu. yds
   - Total Fill 3,433 Cu. yds
   - Offsite waste/borrow area location undetermined
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).** N/A
13) **The total amount of straw bale dikes/silt fence equals** 2625 **L.F.**

CONSTRUCTION SEQUENCE:

		No. of Days
A.	Obtain Grading Permit and Install Sediment and Erosion Control Devices and Stabilize.	7
B.	Excavate for foundations and Rough Grade & Temporarily Stabilize.	14
C.	Construct Structures, Sidewalks and Driveways.	180
D.	Final Grade and stabilize in accordance with Stds. & Specs.	60
E.	Upon approval of the sediment control inspector, remove sediment and erosion controls and stabilize.	7

PERMANENT SEEDING NOTES

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

Seedbed Preparation: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding, if not previously loosened.

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

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 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.

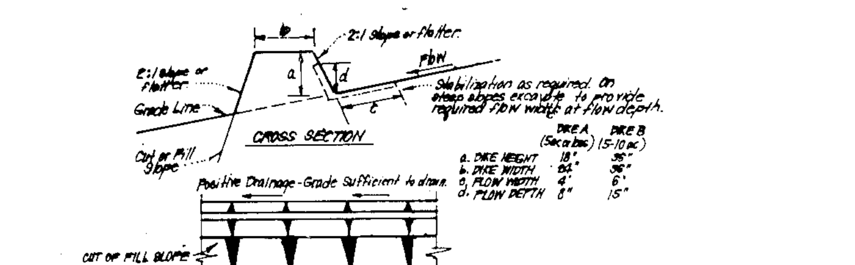
Seedbed Preparation: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding, if not previously loosened.

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.



	DIKE A (5ac or less)	DIKE B (5-10 ac)
a. DIKE HEIGHT	18"	36"
b. DIKE WIDTH	24"	36"
c. FLOW WIDTH	4'	6'
d. FLOW DEPTH	8"	15"

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	CHANNEL 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; Sod; 2" Stone
3	5.1-8.0%	Seed w/Jute 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 equivilent, 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. 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 9/24/90 Date
U.S. Soil Conservation Service

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

John R. Robertson 9/24/90
Approved Date

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

COUNTY HEALTH OFFICER — DATE 10-31-90

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING

DIRECTOR — DATE 2/6/91

CHIEF DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT — DATE 2/6/91

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

DIRECTOR (Acting) — DATE 10/26/90

CHIEF BUREAU OF ENGINEERING — DATE 10-26-90

130133

DEVELOPER'S/BUILDER'S CERTIFICATE

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

Paul Graf 5-4-90
Signature of Developer/Builder Date

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 5-3-90
Date

OWNER / DEVELOPER
Montgomery Meadows General Partnership
9175 Guilford Road, Suite 302
Columbia, Maryland 21046

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

DESIGNED KIWM	SEDIMENT & EROSION CONTROL PLAN LOTS 301-311 and 336-348	SCALE As Shown
DRAWN BAL	MONTGOMERY MEADOWS SECTION ONE AREA SIX	DRAWING 5 OF 5
CHECKED KIWM	1ST ELECTION DISTRICT HOWARD COUNTY MARYLAND	JOB NO. 90-012
DATE May 1990	FOR: N.V. HOMES, INC. 10230 New Hampshire Ave. #203 Silver Springs, Maryland 20905	FILE NO. 90-012SE

SDP-90-208