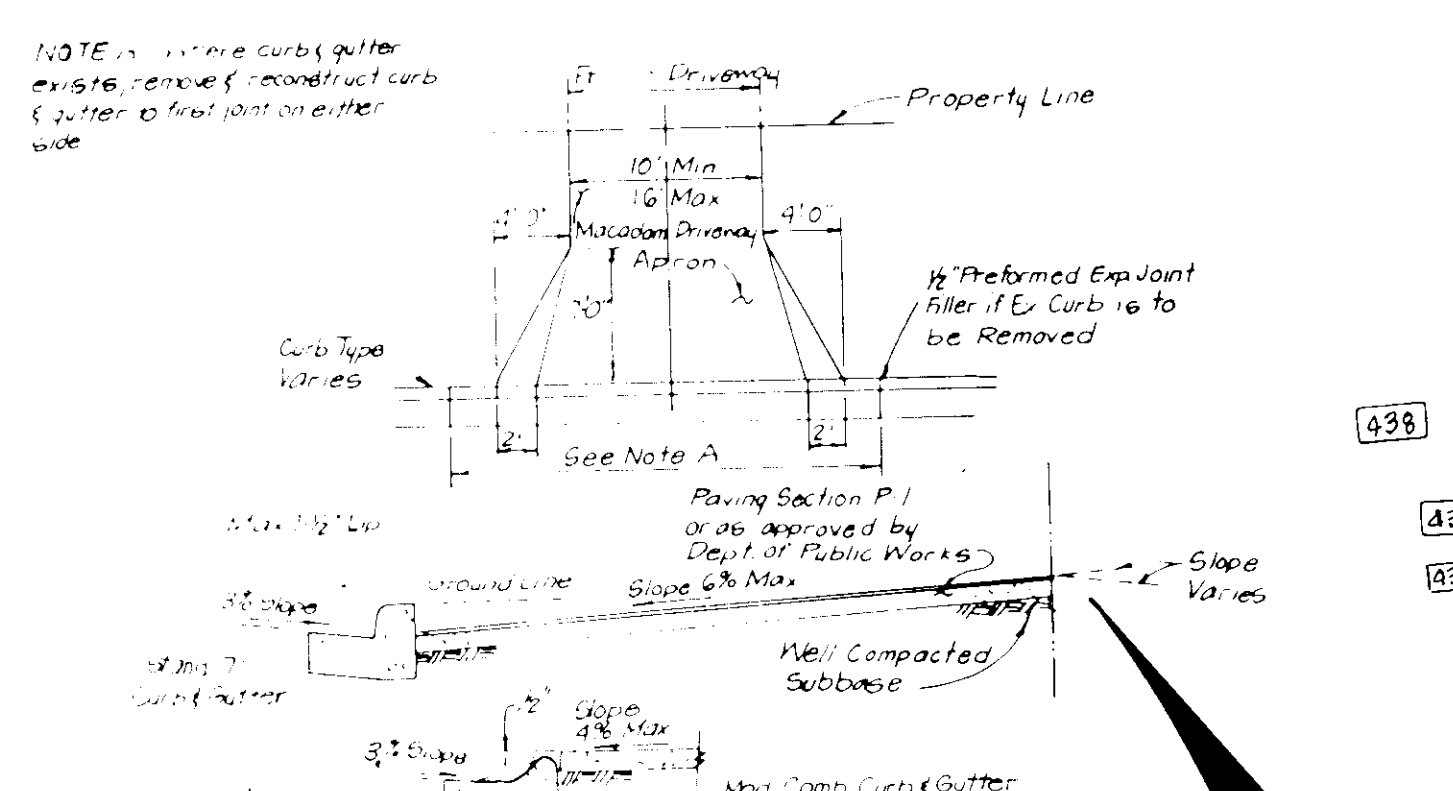


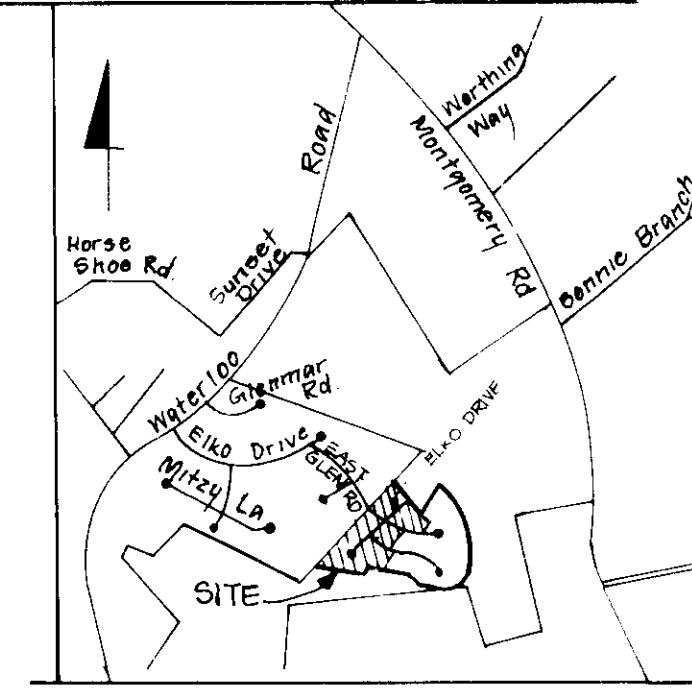
**DRIVEWAY ABUTTING CLOSED SECTION WITH STD 7" COMB CURB & GUTTER & SIDEWALK SET BACK FROM CURB**



**DRIVEWAY ABUTTING CLOSED SECTION WITHOUT CONCRETE SIDEWALK**

**LEGEND**

Contour Interval 2 FT  
 Existing Contour -410  
 Proposed Contour -410  
 Spot Elevation +10.5  
 Direction of drainage  
 Walk-out Basement  
 Trees to be saved



**VICINITY MAP**  
Scale 1"=2000'

**GENERAL NOTES**

- 1 Subject property zoned R-20 per 8-2-85 Comprehensive Zoning Plan.
- 2 The coordinates shown herein are based on The Maryland State Grid System and derived from the following Howard County Control Stations 2744004 and 274405.
- 3 All roadways are public & existing.
- 4 Total area included in this submission.
- 5 Total number of lots 23.
- 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-G1, P87-71 and F80-47.
- 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 plans prepared by Dewberry & Davis F80-47.
- 11 10' Tree Maintenance Easement on all road frontages.
- 12 Permanent SWM facilities for this plan provided under F80-44.

**ADDRESS CHART**

Lot #	Street	Address
352	9194	Elko Drive
353	8180	"
354	5327	Heatherland Court
355	5331	"
368	5338	Elko Drive
369	8180	"
370	8176	"
371	8172	"
372	8105	High Meadow Court
387	8108	"
388	8004	"
389	8866	Elko Drive
391	8162	"
392	8158	"
393	8173	"
394		Open Space
395	8177	Elko Drive
396	8181	"
397	8185	"
398	8189	"
399	8193	"
400	8197	"
401	8201	"
402	8205	"

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

SUBDIVISION NAME		SECT/AREA	LOTS
MONTGOMERY MEADOWS		1/7	392-396, 398-399, 397, 403
PLAT NO	BLOCK #	ZONE	Tax/Zone Map/ELEC/DIST
9573-75	14	R-20	183
WATER CODE		SEWER CODE	
G01		29000000	

**SHC Elevation Chart**

LOT #	Min Cellar Elev
352	434.0
353	432.0
354	424.0
355	420.0
368	434.0
369	430.0
370	426.0
399	435.0
400	436.0
401	438.0
402	438.0
403	436.0

*John W. Boyd* 10-31-90  
 DEPT  
 11-21-90  
 11/1/90  
 COMMUNITY PLANNING AND LAND DEVELOPMENT  
 10/26/90  
 10-26-90



**CLARK • FINEPROCK & SACKETT, INC.**  
 ENGINEERS • ARCHITECTS • SURVEYORS

DATE	FOR	SCALE
3-23-90	N.Y. HOMES 1101 Bayway N Suite 203 Silver Spring, Md 20903	1"=30' DRAWING 1 of 5 JOB NO 90-012 FILE NO 90-012X



**TYP. HOUSES**

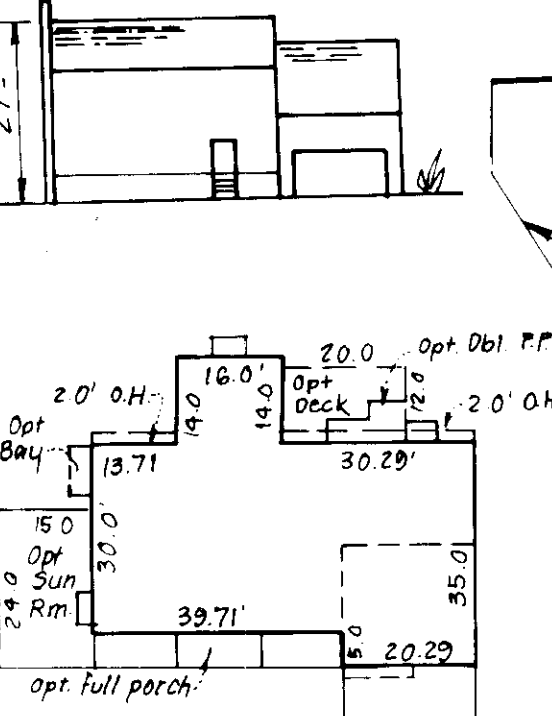
Scale: 1" = 30'

GLENNMART SECTION TWO PLAT 3180

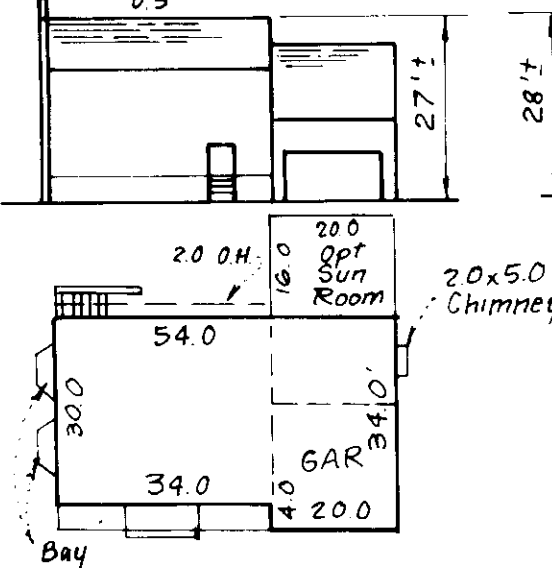


**SHC Elevation Chart**

LOT #	Min. Cellar Elev.
371	426.0
372	418.0
377	420.0
388	422.0
389	428.0
390	430.0
391	430.0
392	434.0
393	434.0
394	436.0
395	434.0
396	434.0
397	431.0
398	431.0

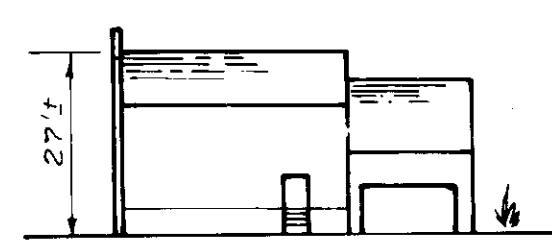


**KINGSMILL**  
2772.0 = 9240.0 # Min Lot Size



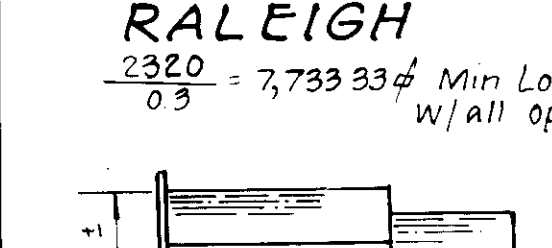
**CHAPEL HILL**  
2332.0 = 7,773.33 # Min Lot Size w/all options

**MCLEAN II**  
1712.0 = 5706.67 # Min Lot Size w/all options



**RALEIGH**  
2320.0 = 7,733.33 # Min Lot Size w/all options

**HARRINGTON**  
2328.0 = 7,760.0 # Min Lot Size



**POTOMAC**  
2,440.76 = 8,135.87 # Min lot size

**WETLANDS NOTE**  
The Wetland Buffer indicated on this plan does not affect the initial construction of a residential unit on a lot. It does prohibit subsequent clearing, grading or construction in the buffer area. Maintenance of residences, landscaping and utilities is permitted.

**APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS**  
HOWARD COUNTY HEALTH DEPARTMENT  
COUNTY HEALTH OFFICER: [Signature] DATE: 10-31-90

**APPROVED FOR PLANNING AND ZONING**  
HOWARD COUNTY DEPT. OF PLANNING & ZONING  
DIRECTOR: [Signature] DATE: 11-21-90

**APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS**  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
DIRECTOR: [Signature] DATE: 10/26/90

**CHIEF BUREAU OF ENGINEERING**  
DATE: 10-26-90

**OWNER/DEVELOPER**  
Montgomery Meadows  
General Partnership  
9175 Guilford Rd. Ste. 302  
Columbia, Md. 21046

**CLARK • FINEROCK & SACKETT, INC.**  
ENGINEERS • PLANNERS • SURVEYORS  
7135 MINISTREL WAY • COLUMBIA, MD 21045 • (301) 881-7500 • BALTO • (410) 781-1300 • WASH

**SITE DEVELOPMENT PLAN**  
LOTS 352-355, 368-372, 387-403  
**MONTGOMERY MEADOWS**  
SECTION 1 AREA 7  
1ST ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND

DESIGNED: VLP  
DRAWN: GCS  
CHECKED: JME  
DATE: 3-23-90

SCALE: 1" = 30'  
DRAWING: 2 of 5  
JOB NO: 90-012  
FILE NO: 90-012-X

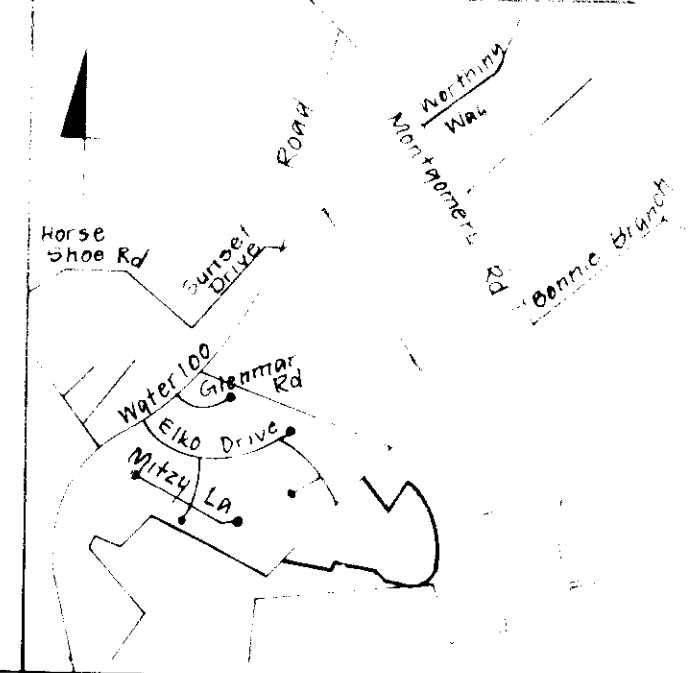
For: N.V. Hones  
1 Beltway N Suite 203  
Silver Spring, Md. 20903

SLP 90-154

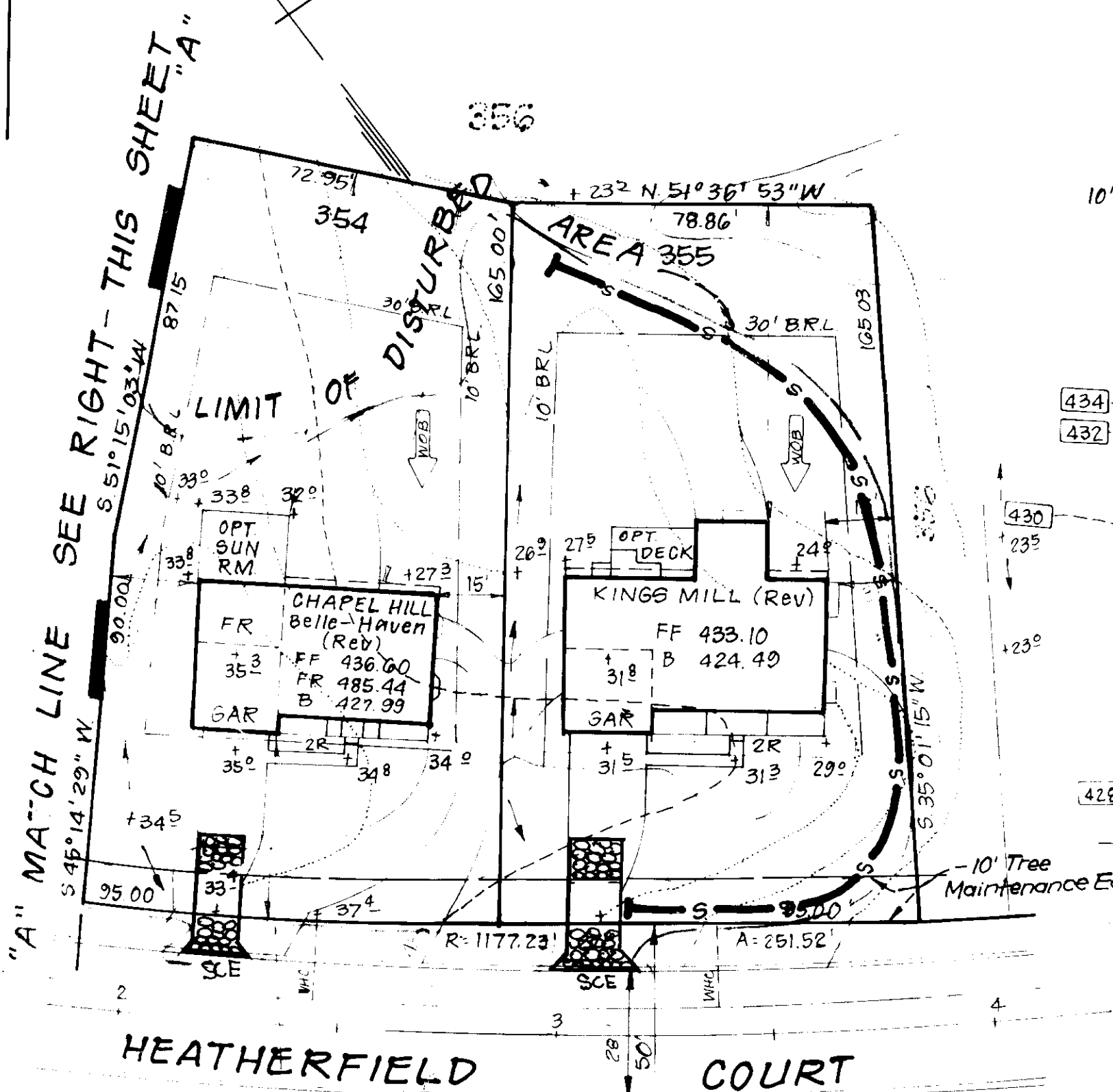
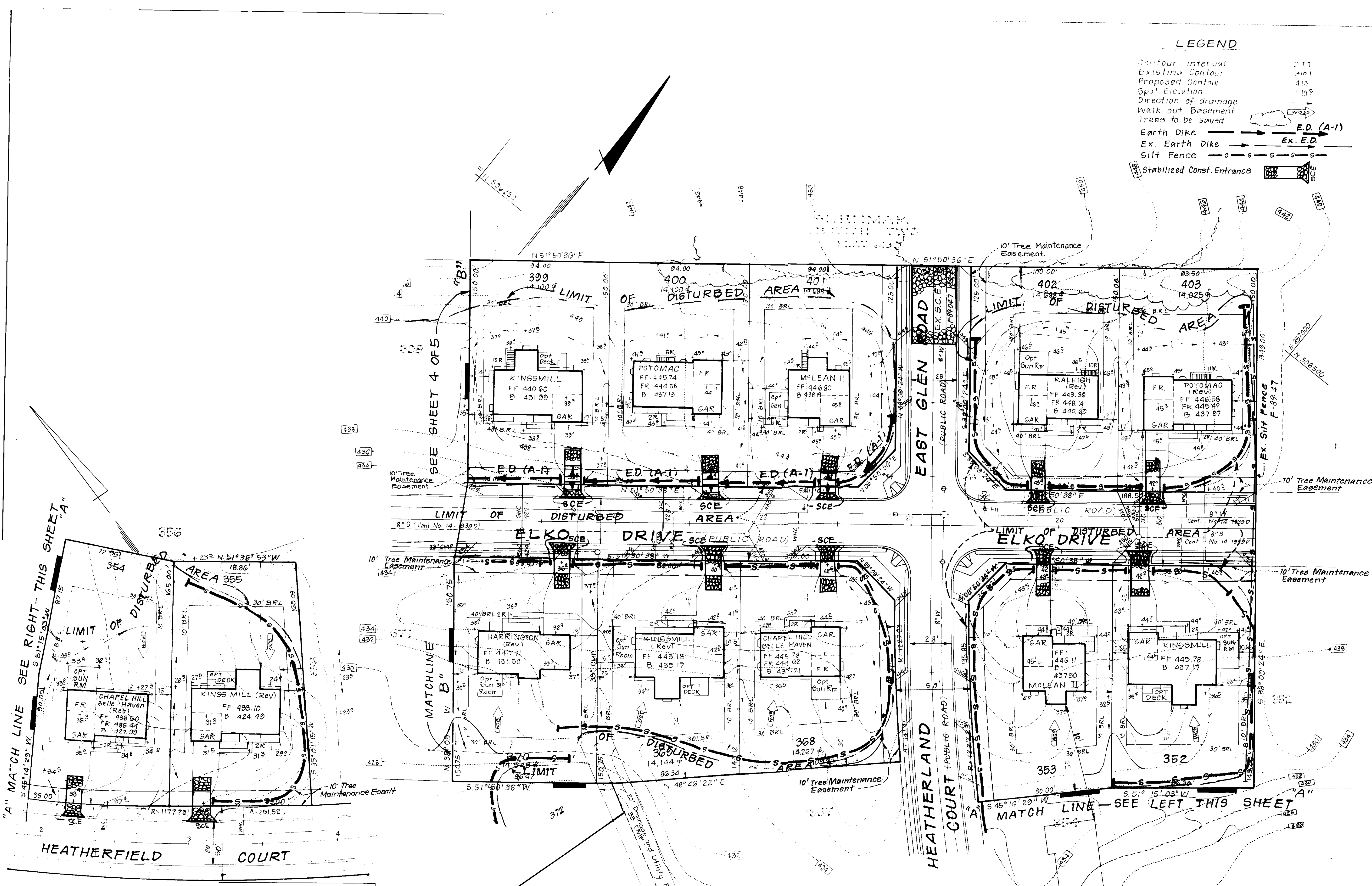


**LEGEND**

- Contour Interval 2.0'
- Existing Contour 4.0'
- Proposed Contour 4.0'
- Spot Elevation 4.05'
- Direction of drainage
- Walk out Basement
- Trees to be saved
- Earth Dike
- Ex. Earth Dike
- Silt Fence
- Stabilized Const. Entrance



**VICINITY MAP**  
Scale 1" = 200'



APPROVED FOR HOWARD COUNTY  
meets Technical Requirements  
*James H. [Signature]* 11/21/90

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.  
*John R. [Signature]* 11/21/90

*John Jordan* 10-31-90  
*[Signature]* DEPT 11-26-90  
*[Signature]* 11/15/90  
COMMUNITY PLANNING AND LAND DEVELOPMENT  
*[Signature]* 10/26/90  
*[Signature]* 10-26-90

**DEVELOPERS/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 Environment Approved Training Program for the Control of Sediment and Erosion before beginning the project. I/We authorize periodic site inspections by the Howard Soil Conservation District or their authorized agents, as deemed necessary.

*[Signature]* 11/23/90  
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.

*[Signature]* 3-27-90  
G. Nelson Clark Date

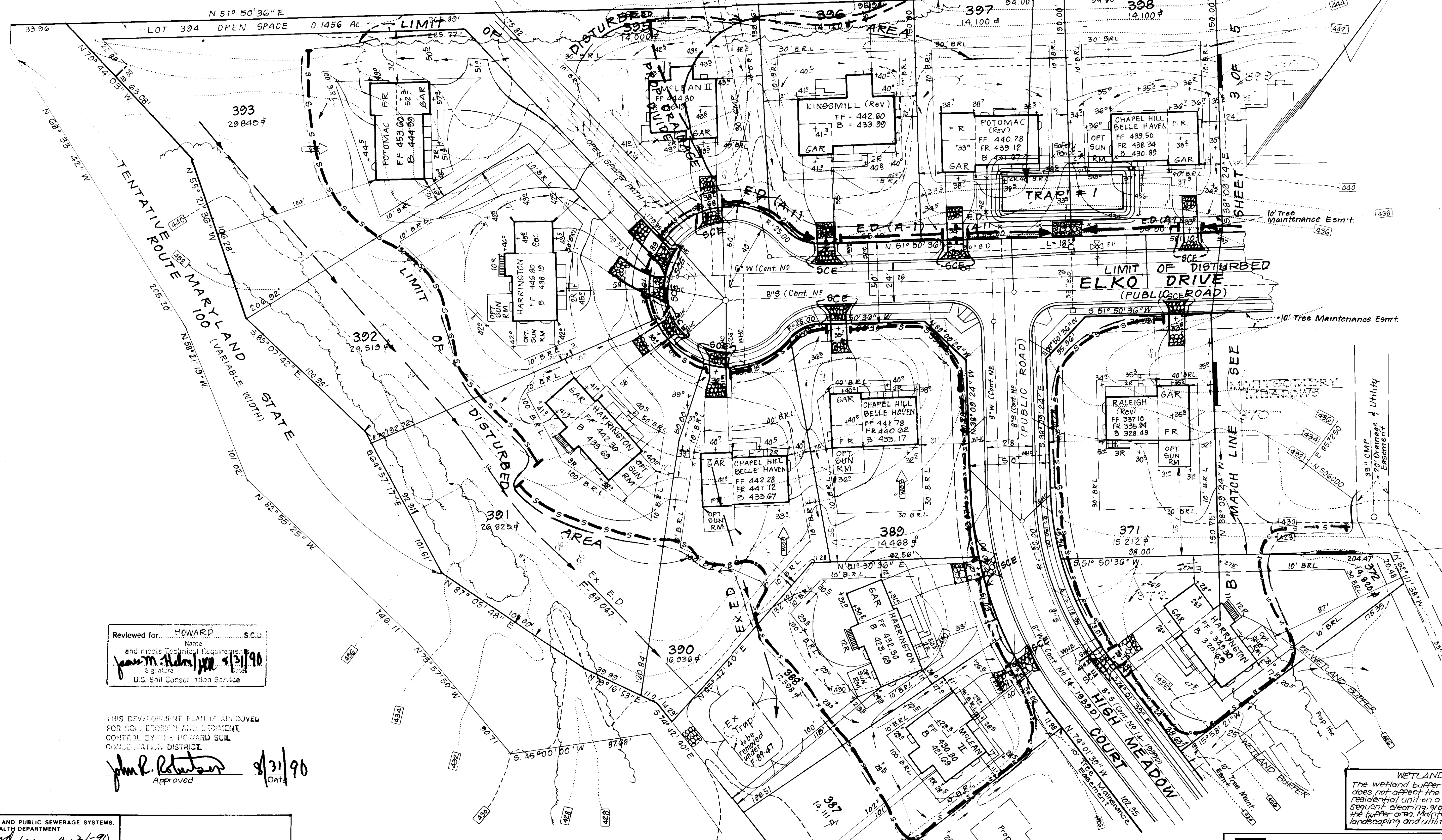
<b>CLARK • FINEROCK • SACKETT INC</b>	
DATE	3-28-90
DRAWN BY	KIWM
CHECKED BY	EB
DATE	3-28-90
<b>SEDIMENT &amp; EROSION CONTROL PLAN</b> LOTS 352-355, 368-372 & 387-403 <b>MONTGOMERY MEADOWS</b> SECTION 1 AREA 7 1ST ELECTION DISTRICT HOWARD COUNTY, MARYLAND	
FOR	N.V. HOMES 1 Bellway N. Suite 203 Silver Spring, Md 20903
NO.	90-0128E



TRAP NO 1 S.O.S.T. (ST V)

DA = 4.5 Ac  
 Storage Required = 8100 CF  
 Storage Provided = 8320 CF  
 Depth = 4'  
 Top of stone crest = 434.0  
 Bottom El. = 429.0  
 Clean out elev. = 431.0  
 Bottom Dimensions = 76' x 22'  
 1:1 Side Slopes in cut  
 L = 18'

GLENMILL SECTION TWO PLAT 3180



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

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

Signature  
 Approved  
 Date

**WETLANDS NOTE**  
 The wetland buffer indicated on this plan does not affect the initial construction of a residential unit on a lot. It does prohibit subsequent clearing, grading or construction in the buffer area. Maintenance of residences, landscaping and utilities is permitted.

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

**DEVELOPERS/BUILDERS CERTIFICATE**  
 We certify that all construction was done according to this plan or specifications and that all necessary permits and approvals were obtained. I also authorize periodic on-site inspection by the Howard Soil Conservation District or their authorized agents, as are deemed necessary.  
 Signature  
 Date

**ENGINEER'S CERTIFICATE**  
 I hereby certify that this plan for erosion and sediment control represents a professional engineering plan based on my personal knowledge of site conditions, and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.  
 Signature  
 Date

<b>CLARK • FINEPROCK &amp; SACKETT, INC.</b> ENGINEERS • PLANNERS • SURVEYORS 7135 MINISTREL WAY • COLUMBIA, MD 21045 • (301) 381-7500 • BALTO • (301) 621-8100 • WASH.		
DESIGNED KIWM	<b>SEDIMENT &amp; EROSION CONTROL PLAN</b> LOTS 352-355, 368-372, 387-403 <b>MONTGOMERY MEADOWS</b> SECTION 1 AREA 7 1ST ELECTION DISTRICT HOWARD COUNTY, MARYLAND	SCALE 1" = 30'
DRAWN G		DRAWING 4 of 5
CHECKED KIWM		JOB NO 90-012
DATE 3-28-90	For: N.V. Homes 1 Beltway N Suite 203 Silver Spring, Md 20903	FILE NO 90-012st

SDP-90-184



1) Seeded or cleared areas likely to be redisturbed where a short-term vegetative cover is needed.

2) Seeded Preparation: Loosen upper three inches of soil by raking, disking or other means before seeding, as not previously specified.

3) Seeding: In lieu of soil test recommendations, use one of the following seed treatments:
 

- 1) Apply 2 tons per acre dolomitic limestone (92 lbs/1000 sq ft) and 100 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq ft) before seeding. Broadcast or disc into upper three inches of soil. At time of seeding, apply 400 lbs per acre 10-0-0 ureaform fertilizer (9 lbs/1000 sq ft).
- 2) Acceptable: Apply 2 tons per acre dolomitic limestone (92 lbs/1000 sq ft) and 100 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq ft) before seeding. Broadcast 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 90 lbs per acre (1.1 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 rotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 2 1/2 gallons per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes 4 feet or higher, use 3 1/2 gallons per acre (8 gal/1000 sq ft) for anchoring.

4) Inspect all seeded areas and make needed repairs, replacements and adjustments.

**TEMPORARY SEEDING NOTES**

1) Seeded or cleared areas likely to be redisturbed where a short-term vegetative cover is needed.

2) Seeded Preparation: Loosen upper three inches of soil by raking, disking or other means before seeding, as not previously specified.

3) Seeding: Apply 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq ft) before seeding. For the periods March 1 thru April 30 and from August 15 thru November 15, seed with 90 lbs per acre of annual ryegrass (3.2 lbs/1000 sq ft). For the period May 1 thru August 31, seed with 1 lb per acre of weeping lovegrass (.07 lbs/1000 sq ft). For the period October 16 thru February 28, protect site by applying 2 tons per acre of straw mulch and seed as soon as possible in the spring, or use sod.

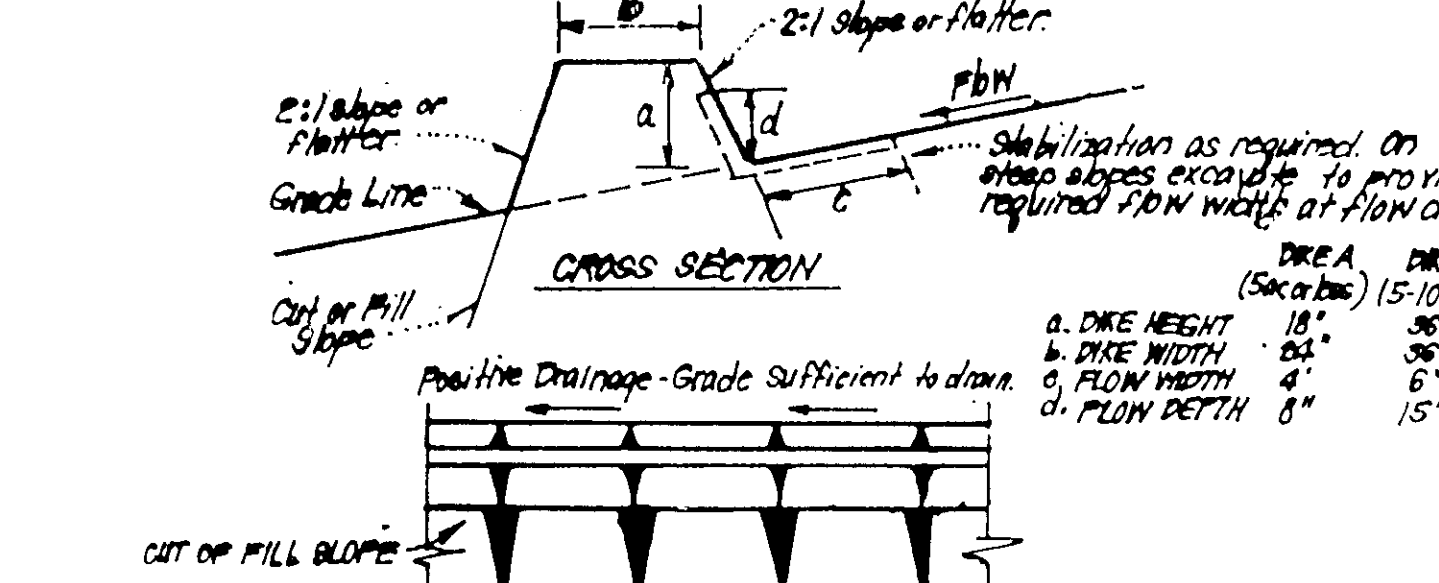
4) On all sites with disturbed areas in excess of 2 acres, approval of the inspection agency shall be requested upon completion of installation of perimeter erosion and sediment controls, but before proceeding with any other earth disturbance or grading. Other building or grading inspection approvals may not be authorized until this initial approval by the inspection agency is made.

5) If houses are to be constructed on an "As-Built" basis, at random, Single Lot Sediment Control as shown below shall be implemented.

6) All pipes to be blocked at the end of each day (see detail below). N/A

7) The total amount of straw bale dikes/silt fence equals 3600 L.F.

8) 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.



**CONSTRUCTION SPECIFICATIONS:**

- All dikes shall be compacted by earth-moving equipment.
- All dikes shall have positive drainage to an outlet.
- Top width may be wider and side slopes may be flatter if desired, to facilitate crossing by construction traffic.
- Field location should be adjusted as needed to utilize a stabilized soft outlet.
- 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.
- 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.

TYPE OF TREATMENT	CHANNEL SLOPE	DIKE A		DIKE B	
		SEED & STRAW MULCH	SEED OR STRAW MULCH	SEED W/OUT OR EXCELSEB'S SEED, 2" STONE	SEED W/OUT OR EXCELSEB'S SEED, 2" STONE
1	0.5 - 3.0%	Seed & Straw Mulch	Seed or Straw Mulch	Seed w/ out or Excelseb's Seed, 2" Stone	Seed w/ out or Excelseb's Seed, 2" Stone
2	3.1 - 5.0%	Seed & Straw Mulch	Seed or Straw Mulch	Seed w/ out or Excelseb's Seed, 2" Stone	Seed w/ out or Excelseb's Seed, 2" Stone
3	5.1 - 8.0%	Seed w/ out or Sod, 2" Stone	Lined Rip Rap, 4" x 8" Stone	Seed w/ out or Excelseb's Seed, 2" Stone	Seed w/ out or Excelseb's Seed, 2" Stone
4	8.1 - 20.0%	Lined Rip Rap, 4" x 8" Stone	Engineering Design	Seed w/ out or Excelseb's Seed, 2" Stone	Seed w/ out or Excelseb's Seed, 2" Stone

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.

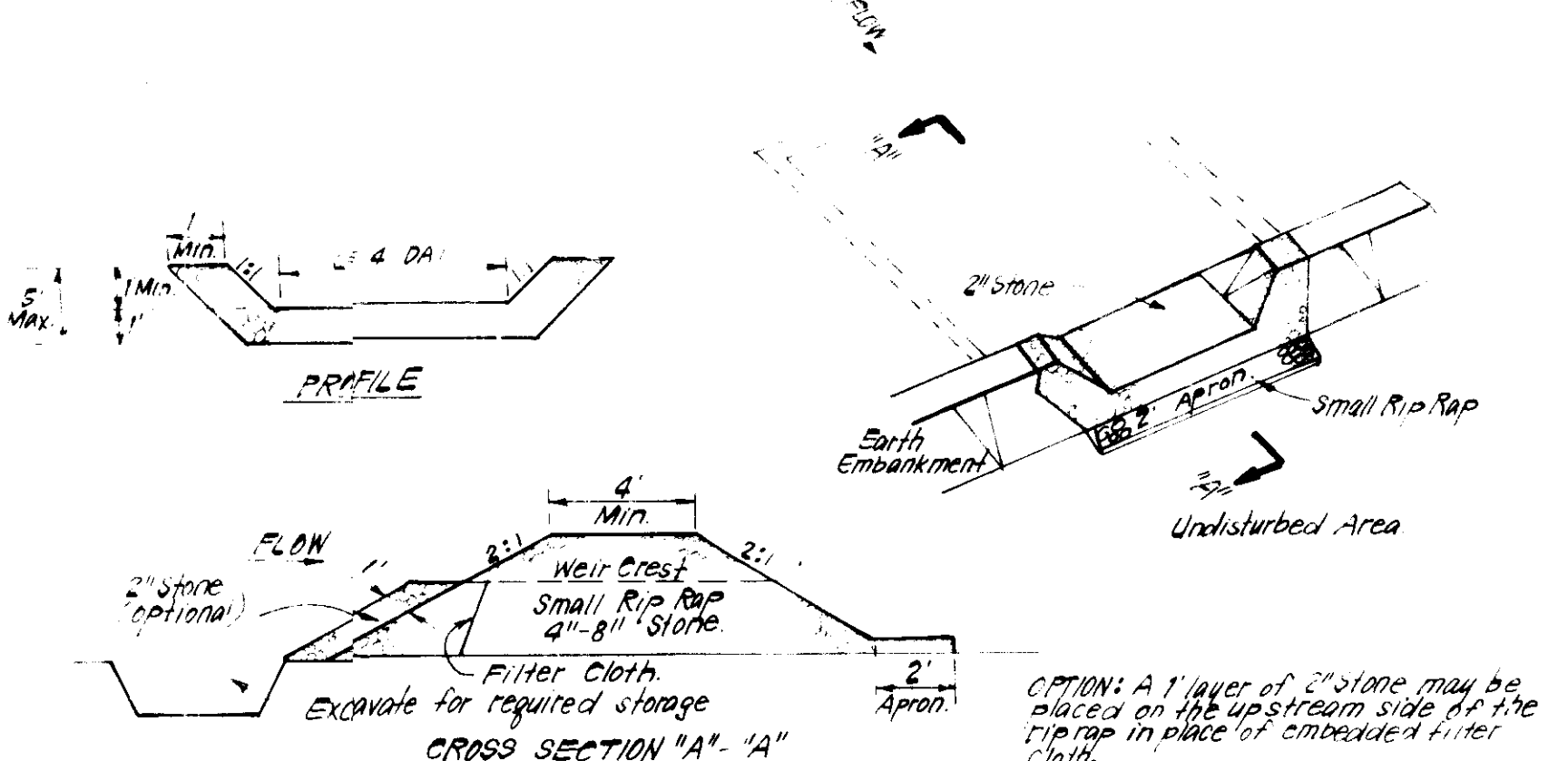
B Rip Rap to be 4" x 8" in a layer at least 8" thick, pressed into soil.

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

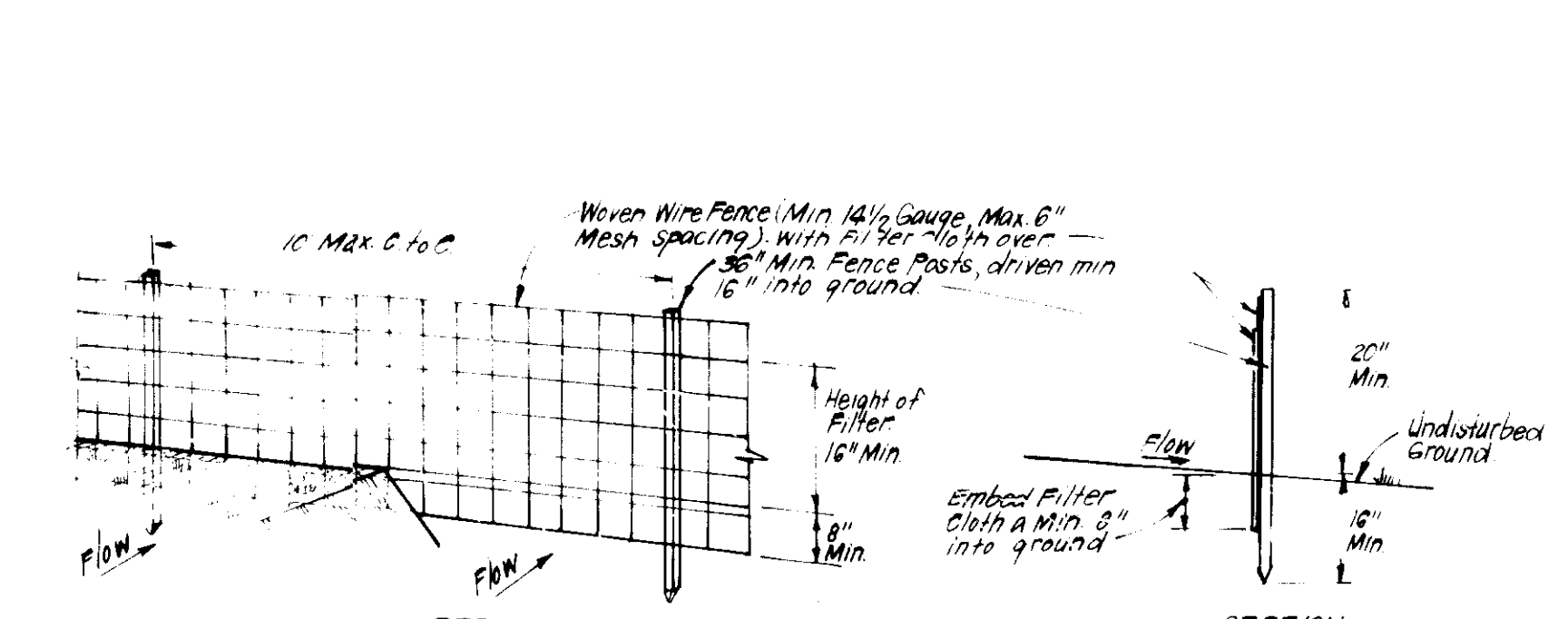
- 1) Statement of work shall not be given until Howard County Office of Inspection and Permit prior to the start of any construction. (992-24)
- 2) All vegetative and structural practices are to be installed according to the provisions of this plan and are to be conformant with the 1981 MARYLAND STANDARDS 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, 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 1981 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 does 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: 0.95 Acres
  - Area Disturbed: 7.21 Acres
  - Area to be roofed or paved: 1.85 Acres
  - Area to be vegetatively stabilized: 8.36 Acres
  - Total Cut: 10633 Cu. yds
  - Total Fill: 1638 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-Built" 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 3600 L.F.



**CONSTRUCTION SPECIFICATIONS:**

- Area under embankment shall be cleared, grubbed and stripped of any vegetation and root mat. The top area shall be compacted.
- The fill material for the embankment shall be free of roots and other woody vegetation as well as oversized stones, rocks, organic material or other objectionable material. The embankment shall be compacted by traversing with equipment while it is being constructed.
- All cut and fill slopes shall be 2:1 or flatter.
- The stone used in the outlet shall be small rip rap 4" x 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.
- Sealment shall be removed and trap restored to its original dimensions when the sediment has accumulated to 1/2 the design capacity of the trap.
- The structure shall be inspected after each rain and repairs made as needed.
- Construction operations shall be carried out in such a manner that erosion and water pollution is minimized.
- 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

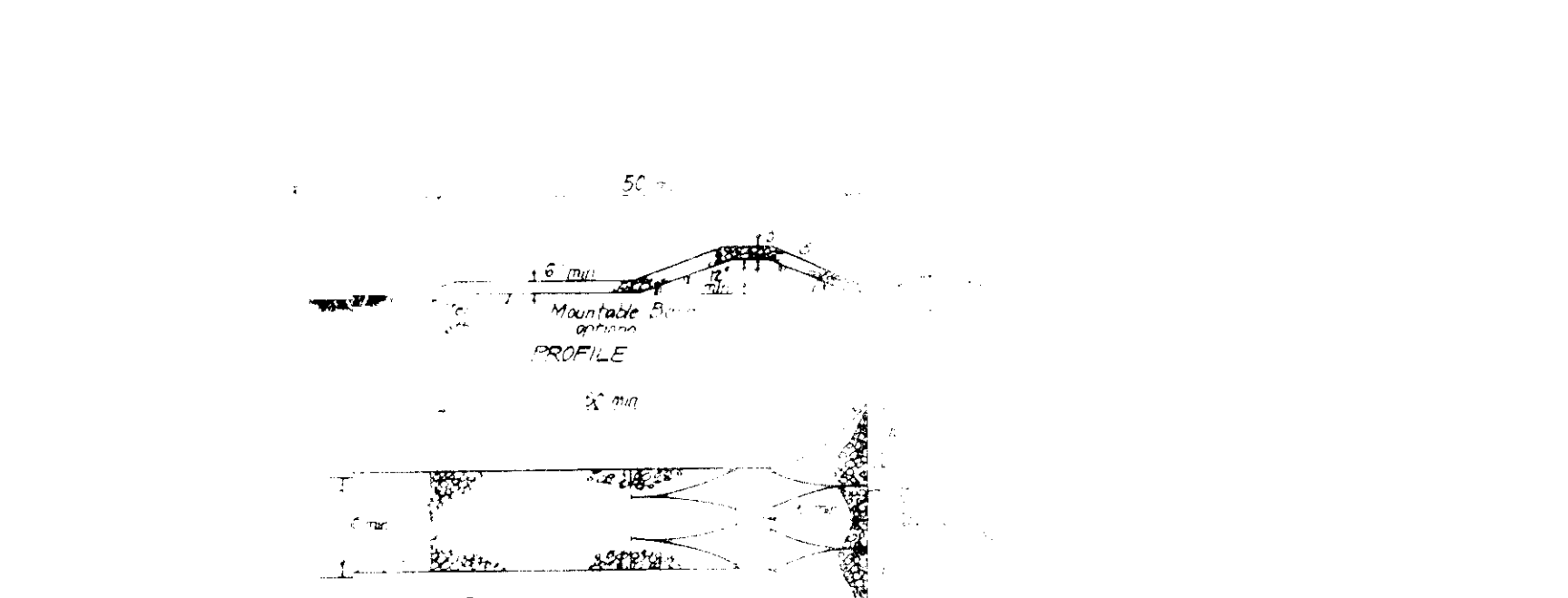


**CONSTRUCTION SPECIFICATIONS:**

- Woven wire fence to be fastened securely to fence posts with wire ties or staples.
- Filter cloth to be fastened securely to woven wire fence with ties spaced every 24" at top and mid section.
- When 2 sections of filter cloth adjoin each other they shall be fastened by 6" long staples.
- Maintenance shall be performed as needed and material removed when mounds develop in silt fence.

POSTS: Steel, either Torx Type or 2" HARDWOOD  
FENCE: Woven Wire, 1 1/2 Gauge  
6" Max. Mason Curbing  
FILTER CLOTH: Filter Cloth, Munsie 1000, Stabilinta, T140N or Approved Equiv.  
PREFABRICATED UNIT: geofab, Envirofence or Approved Equiv.

**SILT FENCE DETAIL (S)**  
NO SCALE



**SINGLE LOT SEDIMENT CONTROL PLAN**  
NO SCALE

**CONSTRUCTION SPECIFICATIONS:**

- Use of stone or recycled concrete equivalent, in a layer at least 3" thick and be pressed into soil with construction equipment.
- Rip rap to be 4" x 8" in a layer at least 8" thick, pressed into soil.
- Approved equivalents can be substituted for any of the above materials.

7. Periodic inspection and required maintenance must be provided after each rain.

**STABILIZED CONSTRUCTION**

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.	30
C. Construct structures, sidewalks and driveway	180
D. Final grade and stabilize in accordance with Stds. and Specs.	30
E. Upon approval of the sediment control inspector, remove sediment and erosion controls & stabilize	7
* Delay construction of house on lots 397 & 398 until trap no. 1 is removed	

OPTION: A 1' layer of 2' stone may be placed on the upstream side of the rip rap in place of embedded filter cloth.

1) Seeded or cleared areas likely to be redisturbed where a short-term vegetative cover is needed.

2) Seeded Preparation: Loosen upper three inches of soil by raking, disking or other means before seeding, as not previously specified.

3) Seeding: Apply 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq ft) before seeding. For the periods March 1 thru April 30 and from August 15 thru November 15, seed with 90 lbs per acre of annual ryegrass (3.2 lbs/1000 sq ft). For the period May 1 thru August 31, seed with 1 lb per acre of weeping lovegrass (.07 lbs/1000 sq ft). For the period October 16 thru February 28, protect site by applying 2 tons per acre of straw mulch and seed as soon as possible in the spring, or use sod.

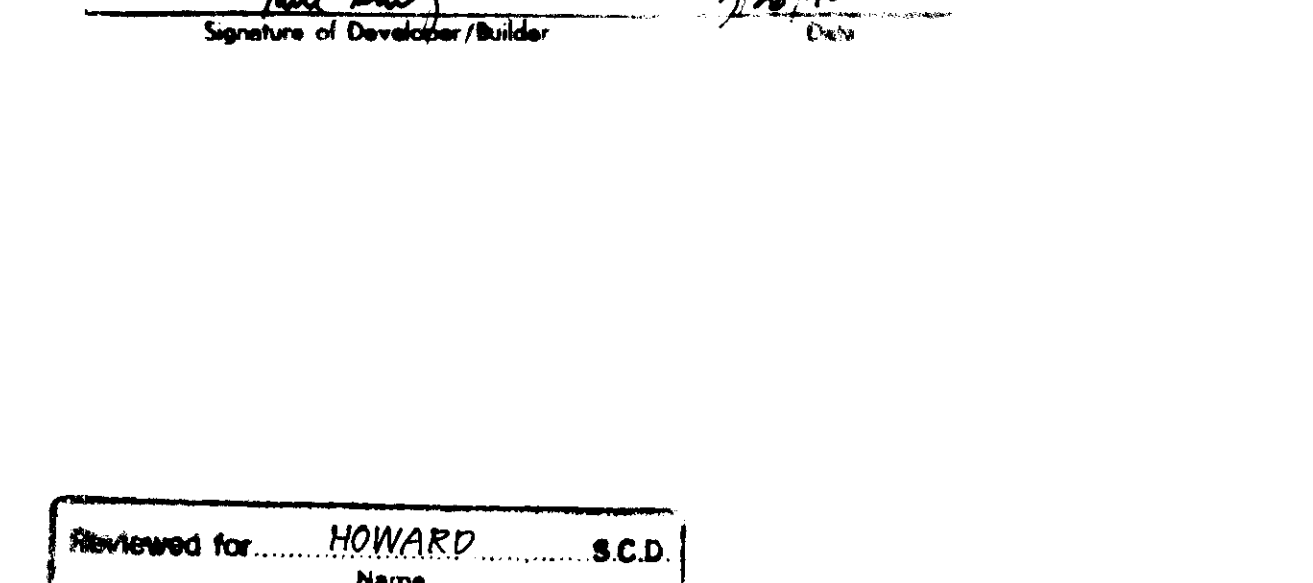
4) On all sites with disturbed areas in excess of 2 acres, approval of the inspection agency shall be requested upon completion of installation of perimeter erosion and sediment controls, but before proceeding with any other earth disturbance or grading. Other building or grading inspection approvals may not be authorized until this initial approval by the inspection agency is made.

5) If houses are to be constructed on an "As-Built" basis, at random, Single Lot Sediment Control as shown below shall be implemented.

6) All pipes to be blocked at the end of each day (see detail below). N/A

7) The total amount of straw bale dikes/silt fence equals 3600 L.F.

8) 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.



**CONSTRUCTION SPECIFICATIONS:**

- All dikes shall be compacted by earth-moving equipment.
- All dikes shall have positive drainage to an outlet.
- Top width may be wider and side slopes may be flatter if desired, to facilitate crossing by construction traffic.
- Field location should be adjusted as needed to utilize a stabilized soft outlet.
- 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.
- 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.

TYPE OF TREATMENT	CHANNEL SLOPE	DIKE A		DIKE B	
		SEED & STRAW MULCH	SEED OR STRAW MULCH	SEED W/OUT OR EXCELSEB'S SEED, 2" STONE	SEED W/OUT OR EXCELSEB'S SEED, 2" STONE
1	0.5 - 3.0%	Seed & Straw Mulch	Seed or Straw Mulch	Seed w/ out or Excelseb's Seed, 2" Stone	Seed w/ out or Excelseb's Seed, 2" Stone
2	3.1 - 5.0%	Seed & Straw Mulch	Seed or Straw Mulch	Seed w/ out or Excelseb's Seed, 2" Stone	Seed w/ out or Excelseb's Seed, 2" Stone
3	5.1 - 8.0%	Seed w/ out or Sod, 2" Stone	Lined Rip Rap, 4" x 8" Stone	Seed w/ out or Excelseb's Seed, 2" Stone	Seed w/ out or Excelseb's Seed, 2" Stone
4	8.1 - 20.0%	Lined Rip Rap, 4" x 8" Stone	Engineering Design	Seed w/ out or Excelseb's Seed, 2" Stone	Seed w/ out or Excelseb's Seed, 2" Stone

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" x 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

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

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

7135 MINSTREL WAY • COLUMBIA MD 21045 • (301) 881-7500 • BALTO • (410) 284-1100 • WA 41

DESIGNED: KIWM  
DRAWN: EG  
CHECKED: KIWM  
DATE: Mar 28 '90

SCALE: 1" = 30' or as shown on DRAWING  
5 of 5  
JOB NO: 90-012  
FILE NO: 90-012-8E

SEDIMENT & EROSION CONTROL PLAN  
LOTS 352-355, 368-372, 387-403  
MONTGOMERY MEADOWS  
SECTION 1 AREA 7  
127 ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND

For: N.V. Homes, 1 Beltway N, Suite 205, Silver Spring, Md. 20903

3-27-90 Date

S&P-90-184