

PROFILE DRIVEWAY CULVERT

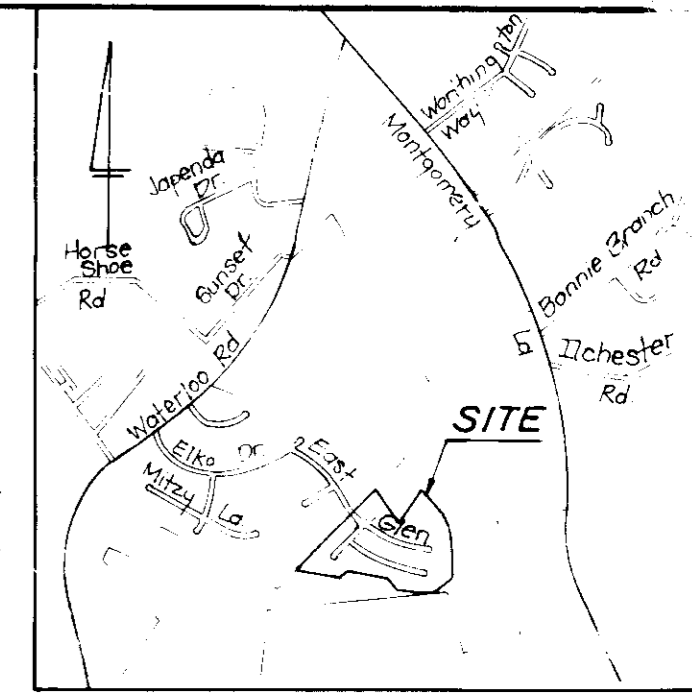
Note: The wetland (stream) buffer indicated on this plat (SDP) does not affect the initial construction of a residential unit on a lot. It does prohibit subsequent clearing, grading or construction in the buffer area. Maintenance of residences, landscaping and utilities is permitted.

| Lot # | Street | Address |
|-------|-------------------|---------|
| 356 | Heatherland Court | 5335 |
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| 520 | " | 5499 |
| 521 | " | 5500 |

| LOT # | Min. Cellar | LOT # | Min. Cellar |
|-------|-------------|-------|-------------|
| 356 | 416.0 | 366 | 426.0 |
| 357 | 416.0 | 367 | 426.0 |
| 358 | 416.0 | 368 | 426.0 |
| 359 | 416.0 | 369 | 426.0 |
| 360 | 416.0 | 370 | 426.0 |
| 361 | 416.0 | 371 | 426.0 |
| 362 | 416.0 | 372 | 426.0 |
| 363 | 416.0 | 373 | 426.0 |
| 364 | 416.0 | 374 | 426.0 |
| 365 | 416.0 | 375 | 426.0 |

GENERAL NOTES

1. Subject property zoned R-20 as per B-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 274404 and 274405.
3. All roadways are Public and existing.
4. Total area included in this submission 9.457 Acres.
5. Total number of lots 26.
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-89-47.
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 and Davis F-89-17B.
11. Improvement to property: Single Family Detached Unit.



VICINITY MAP Scale: 1" = 2000'

LEGEND

- Contour Interval 2 FT
- Existing Contour 2/16
- Proposed Contour 4/0
- Spot Elevation +10.0
- Direction of Drainage (arrow)
- Walk out Basement (arrow)
- Trees to be Saved (circle)

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS.
 HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER: *[Signature]* DATE: 9-17-90

APPROVED: FOR PLANNING AND ZONING.
 HOWARD COUNTY DEPT. OF PLANNING & ZONING
 DIRECTOR: *[Signature]* DATE: 11-26-90

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DIRECTOR: *[Signature]* DATE: 9/12/90

CHIEF BUREAU OF ENGINEERING: *[Signature]* DATE: 9/16/90

Note: Porches or decks, open or enclosed, may project not more than 10 feet into the required front or rear yard building restriction line (BRL) Sec Section 128.A.3 of the Zoning Regulation.

MATCH LINE SEE SHEET 2 OF 5

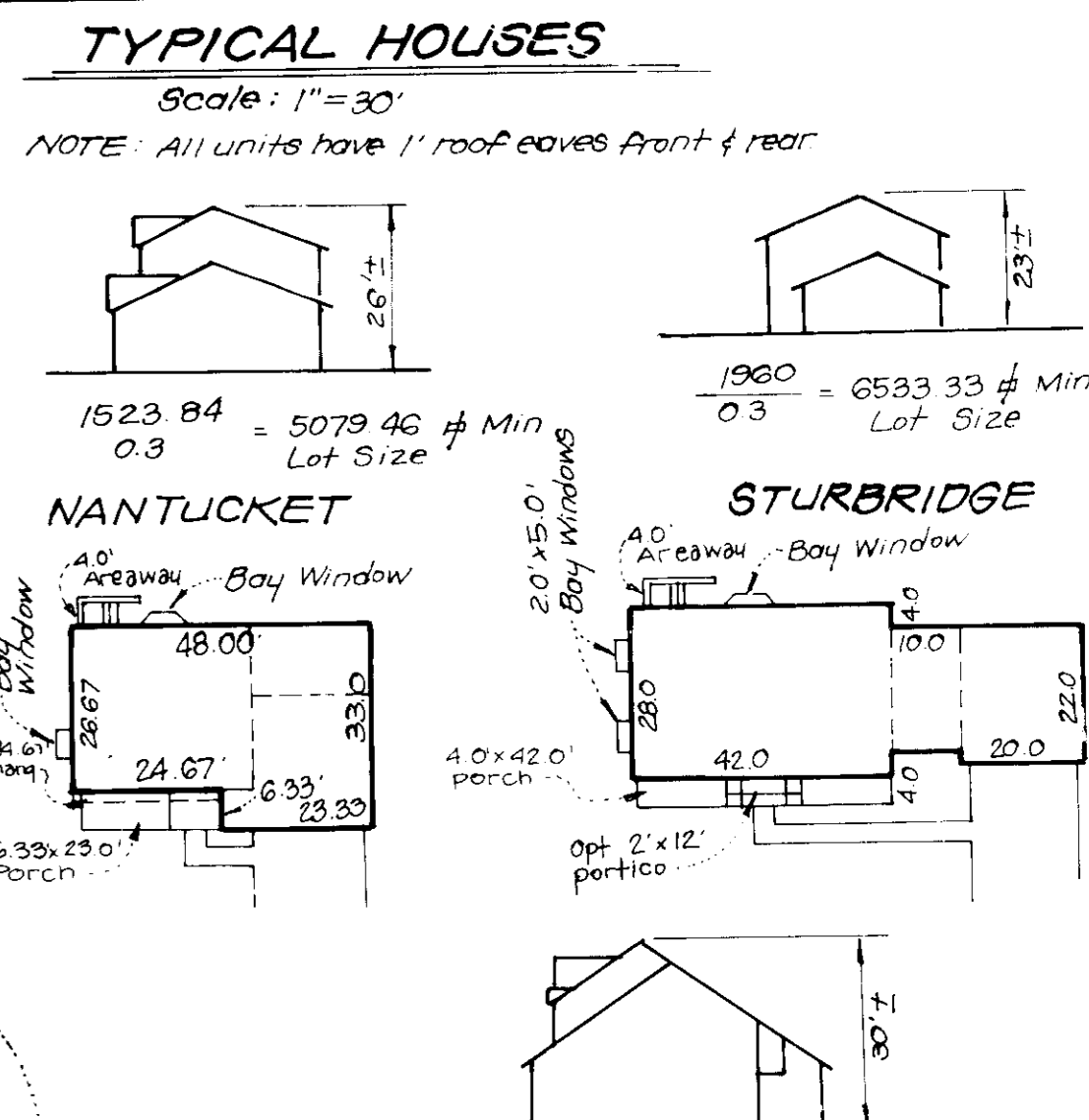
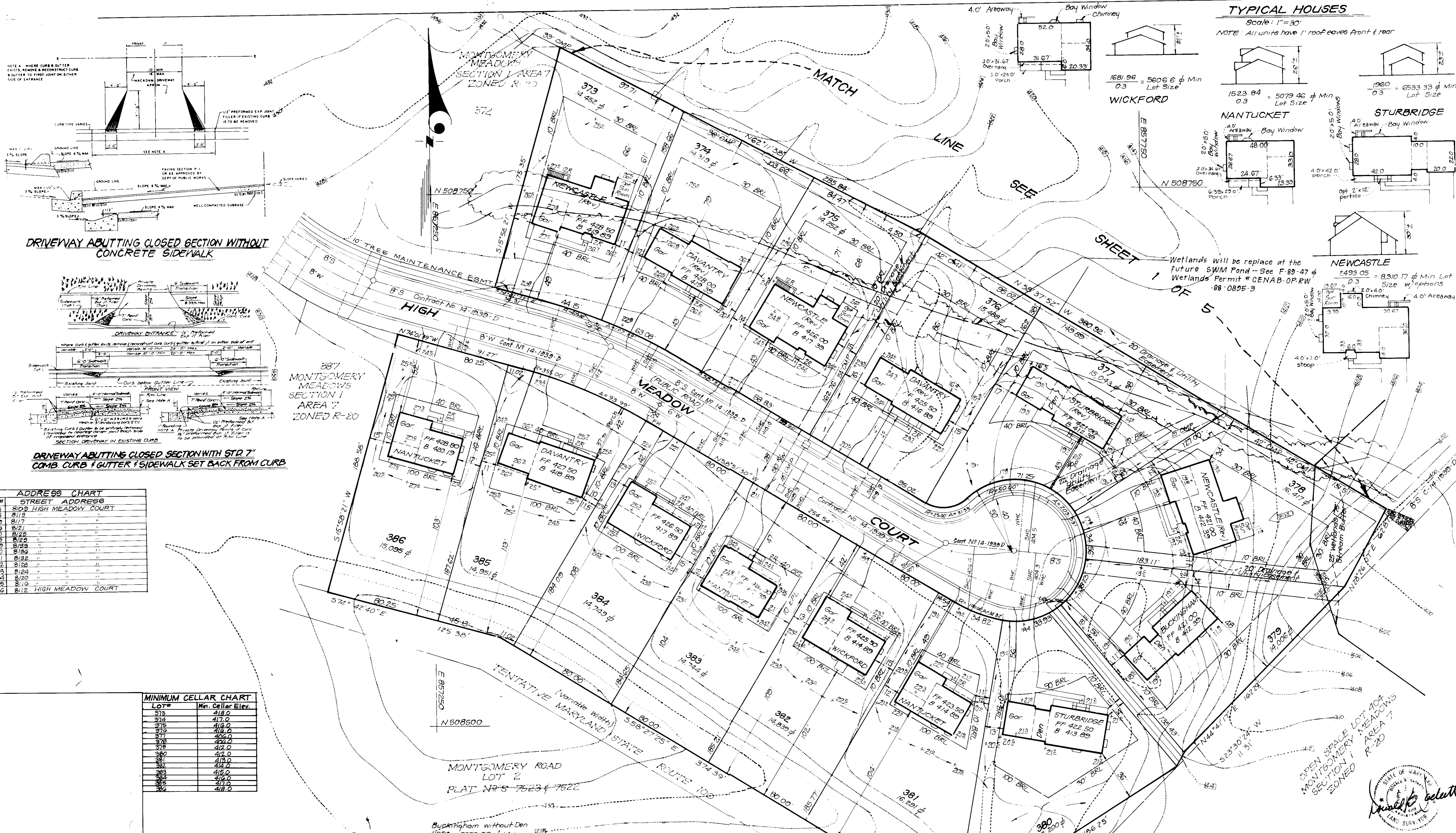
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|------------------|--------------------|---------------|---------|-------------|---------|
| Subdivision Name | MONTGOMERY MEADOWS | Section, Area | 1/7 | Lots | 356-367 |
| Plot No. | 9374, 9375 | Zoned | R-20 | Elec. Dist. | 197 |
| Water Code | GO1 | Shower Code | 2300000 | Census Tr. | 6011 |

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

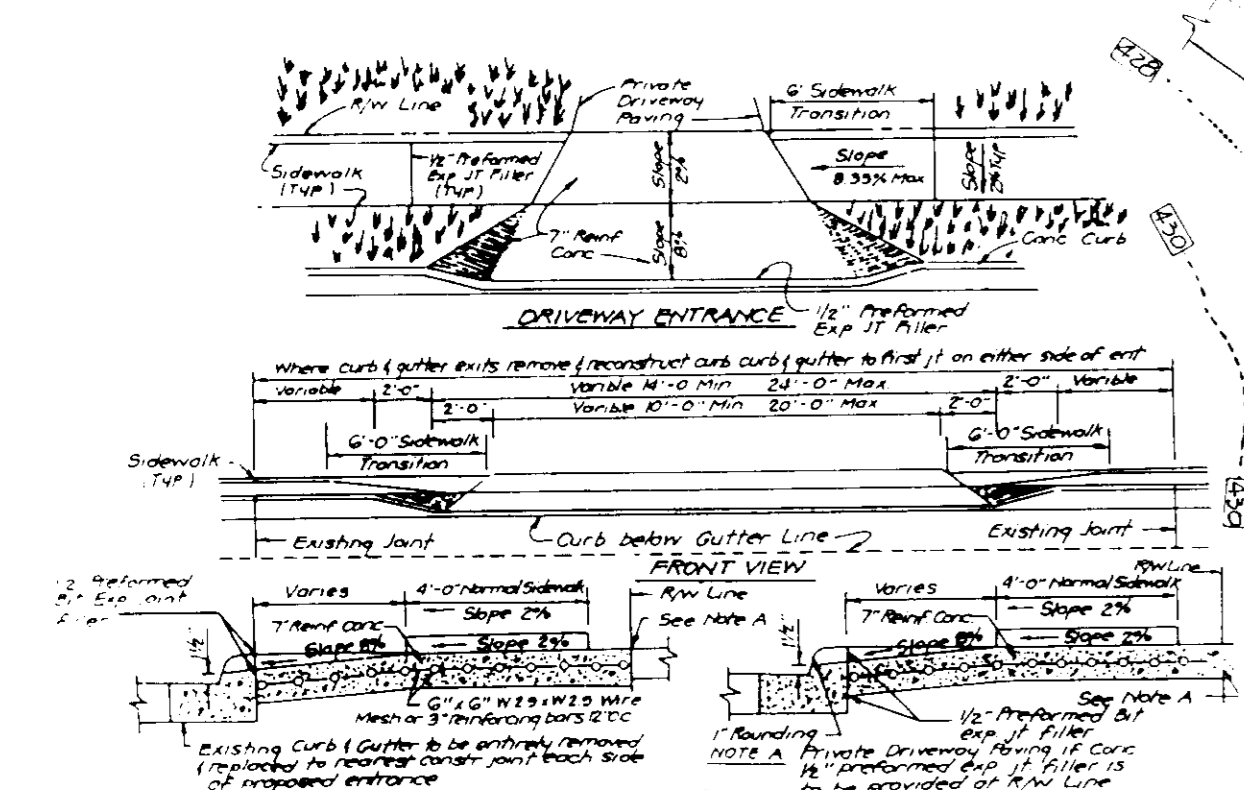
DESIGNED: VLP
 DRAWN: RMQ
 CHECKED: JME
 OWNER/DEVELOPER: MONTGOMERY MEADOWS GENERAL PART, 9175 Guilford Rd, Columbia, Maryland 21046

DATE: March 1990

SCALE: 1" = 30'
 DRAWING: 1 OF 5
 JOB NO: 90-005
 FILE NO: 97-C-05A



DRIVEWAY ABUTTING CLOSED SECTION WITHOUT CONCRETE SIDEWALK



ADDRESS CHART

| Lot# | STREET ADDRESS |
|------|------------------------|
| 373 | 8103 HIGH MEADOW COURT |
| 374 | 8113 " " |
| 375 | 8117 " " |
| 376 | 8121 " " |
| 377 | 8125 " " |
| 378 | 8129 " " |
| 379 | 8133 " " |
| 380 | 8137 " " |
| 381 | 8141 " " |
| 382 | 8145 " " |
| 383 | 8149 " " |
| 384 | 8153 " " |
| 385 | 8157 " " |
| 386 | 8161 " " |
| 387 | 8165 HIGH MEADOW COURT |

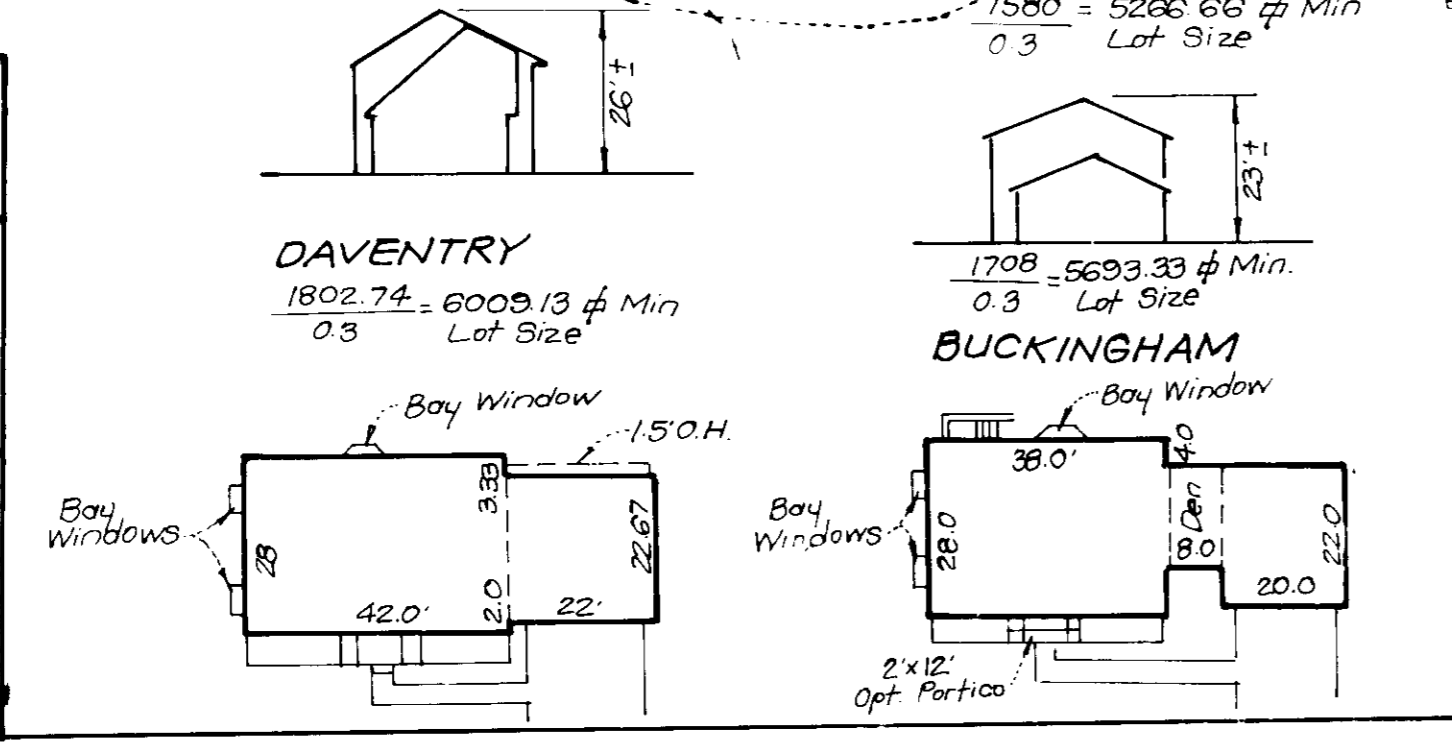
MINIMUM CELLAR CHART

| Lot# | Min. Cellar Elev. |
|------|-------------------|
| 373 | 418.0 |
| 374 | 417.0 |
| 375 | 416.0 |
| 376 | 415.0 |
| 377 | 414.0 |
| 378 | 413.0 |
| 379 | 412.0 |
| 380 | 411.0 |
| 381 | 410.0 |
| 382 | 409.0 |
| 383 | 408.0 |
| 384 | 407.0 |
| 385 | 406.0 |
| 386 | 405.0 |
| 387 | 404.0 |

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS.
HOWARD COUNTY HEALTH DEPARTMENT
9-17-90
DATE

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING
11.21.90
DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE.
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
9-12-90
DATE



OWNER DEVELOPER
MONTGOMERY MEADOWS GENERAL PART
9175 Guilford Rd
Columbia, Maryland 21046

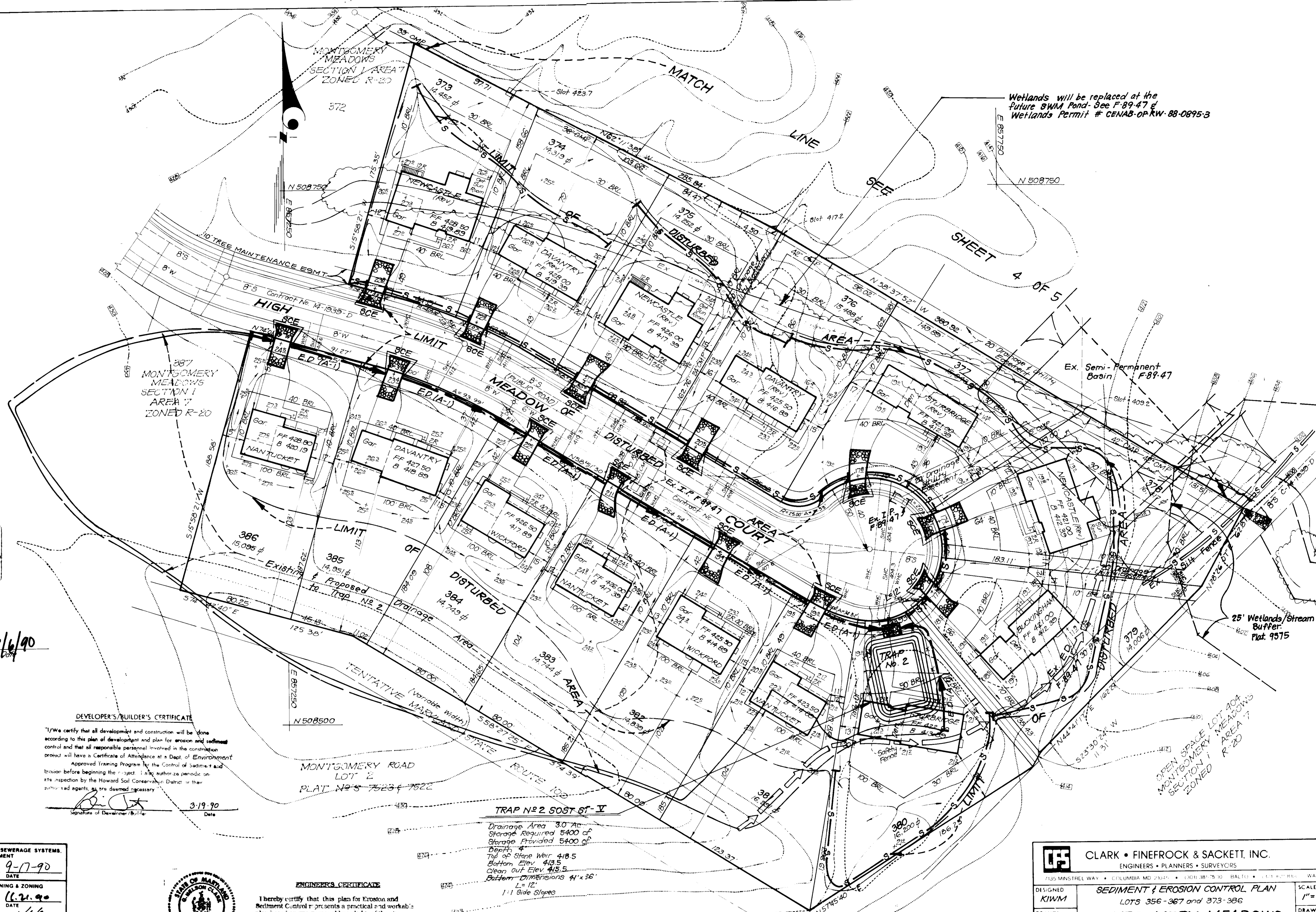
CLARK • FINEROCK & SACKETT, INC.
ENGINEERS • PLANNERS • SURVEYORS

SITE DEVELOPMENT PLAN
LOTS 356-367 and 373-386

MONTGOMERY MEADOWS SECTION ONE AREA SEVEN
A Resubdivision of Part of Lot 1, Montgomery Road I 1st ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

DESIGNED VLP
DRAWN RMQ
CHECKED JME
DATE March 1990

SCALE 1" = 30'
DRAWING 2 of 5
JOB NO 90-005
FILE NO 90-005X



Wetlands will be replaced at the Future SWM Pond. See F-89-47 & Wetlands Permit # CENAB-OP-KW-88-0895-3

Approved for HOWARD S.C.D. Name: [Signature] Date: 9/6/90
Signature: [Signature] Date: 9/6/90
U.S. Soil Conservation Service

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

John Robertson 9/6/90
Approved

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 Environment 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] 3-19-90
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] 3-19-90
G. Nelson Clark Date

TRAP NO. 2 SOST 6'-V

Drainage Area 30' Ac
Storage Required 5400 cf
Storage Provided 5400 cf
Depth 4'
Top of Stone Weir 418.5
Bottom Elev. 413.5
Clean out Elev. 413.5
Bottom Dimensions 4' x 26'
1:1 Side Slopes

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS.
HOWARD COUNTY HEALTH DEPARTMENT
[Signature] 9-17-90
COUNTY HEALTH OFFICER DATE

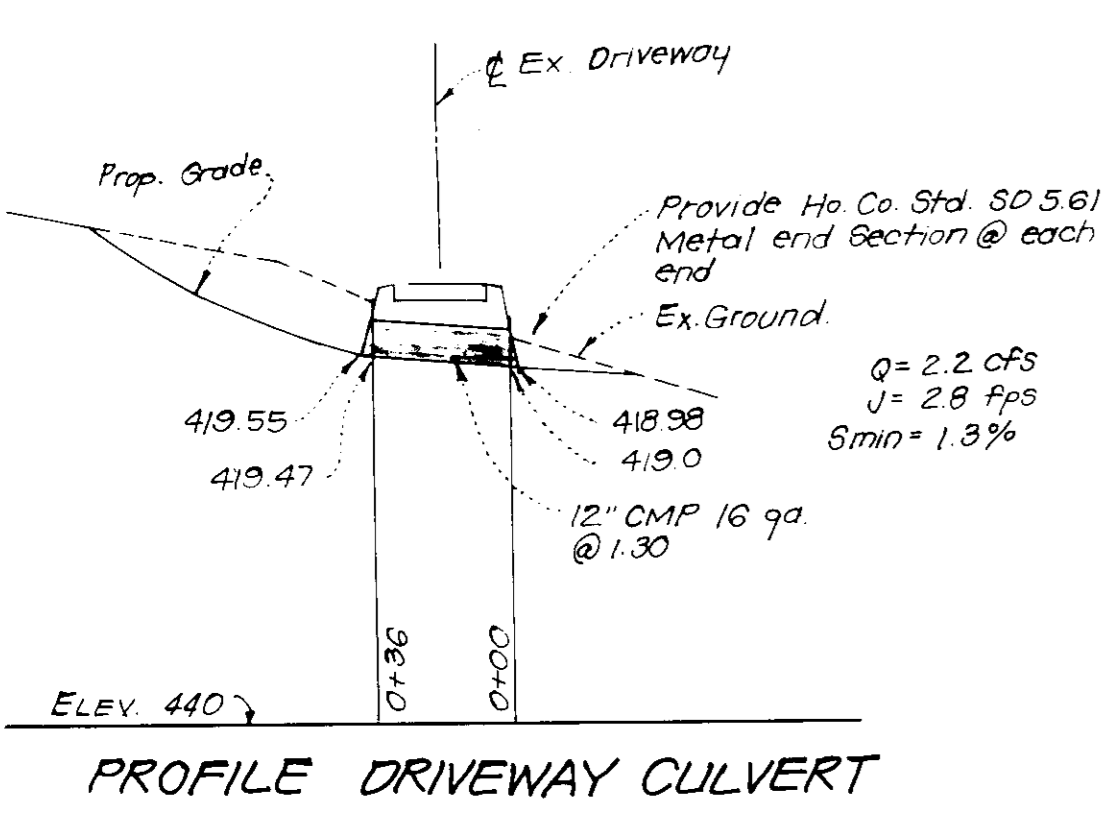
APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING
[Signature] 9/21/90
DIRECTOR DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE.
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
[Signature] 9/12/90
INSPECTOR DATE



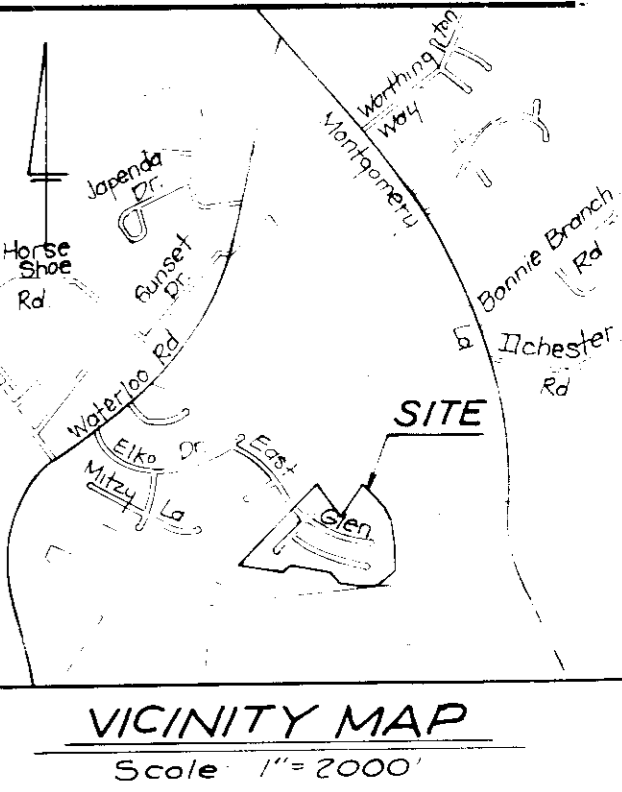
CLARK • FINEFROCK & SACKETT, INC.
ENGINEERS • PLANNERS • SURVEYORS
705 MINNISTREL WAY • COLUMBIA, MD 21046 • (410) 381-7540

| | | |
|--|---|---------------------|
| DESIGNED KIWM | SEDIMENT & EROSION CONTROL PLAN LOTS 356-367 and 373-386 MONTGOMERY MEADOWS SECTION ONE AREA SEVEN A Resubdivision of Part of Lot 1 Montgomery Road I 1st ELECTION DISTRICT HOWARD COUNTY, MARYLAND FOR: RYAN HOMES, INC. 9175 Guilford Rd #200 Columbia, MD 21046 | SCALE 1"=30' |
| DRAWN BAL | | DRAWING 3 of 5 |
| CHECKED KIWM | | JOB NO 90-005 |
| DATE March 1990 | | FILE NO 90-005SE |
| OWNER DEVELOPER MONTGOMERY MEADOWS GENERAL PART 3175 Guilford Rd Columbia, Maryland 21046 | | |



TRAP NO 1 SOST ST-V
 Drainage Area 2.0 Ac
 Storage Required 3600 cf
 Storage Provided 3600 cf
 Depth 3'
 Top of Stone Crest 408.0
 Bottom Elev 404.0
 Clearout Elev 405.5
 Bottom Dimensions 34' x 24'
 L=8'
 2:1 Side Slopes

Note: The wetland (stream) buffer indicated on this plat (SDP) 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.



- LEGEND**
- Contour Interval: 2 FT
 - Existing Contour: (dashed line)
 - Proposed Contour: (solid line)
 - Spot Elevation: (+)
 - Direction of Drainage: (arrow)
 - Walk out Basement: (dashed line)
 - Trees to be Saved: (star symbol)
 - Earth Dike: E.D. (A-1)
 - Silt Fence: Ex. E.D. S
 - Ex. Earth Dike: (solid line)
 - Ex. Silt Fence: (dashed line)
 - Stabilized Construction Entrance: (arrow)

Reviewed: HOWARD S.C.D.
 Name: John H. Holston
 Station: U.S. Soil Conservation Service
 Date: 9/16/90
 Approved: John H. Holston 9/16/90

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,
 HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER: [Signature] DATE: 9-17-90
 APPROVED: HOWARD COUNTY OF PLANNING & ZONING
 DIRECTOR: [Signature] DATE: 11-21-90
 CHIEF DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT: [Signature] DATE: 11/19/90
 APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE,
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DIRECTOR: [Signature] DATE: 9/12/90
 CHIEF BUREAU OF ENGINEERING: [Signature] DATE:

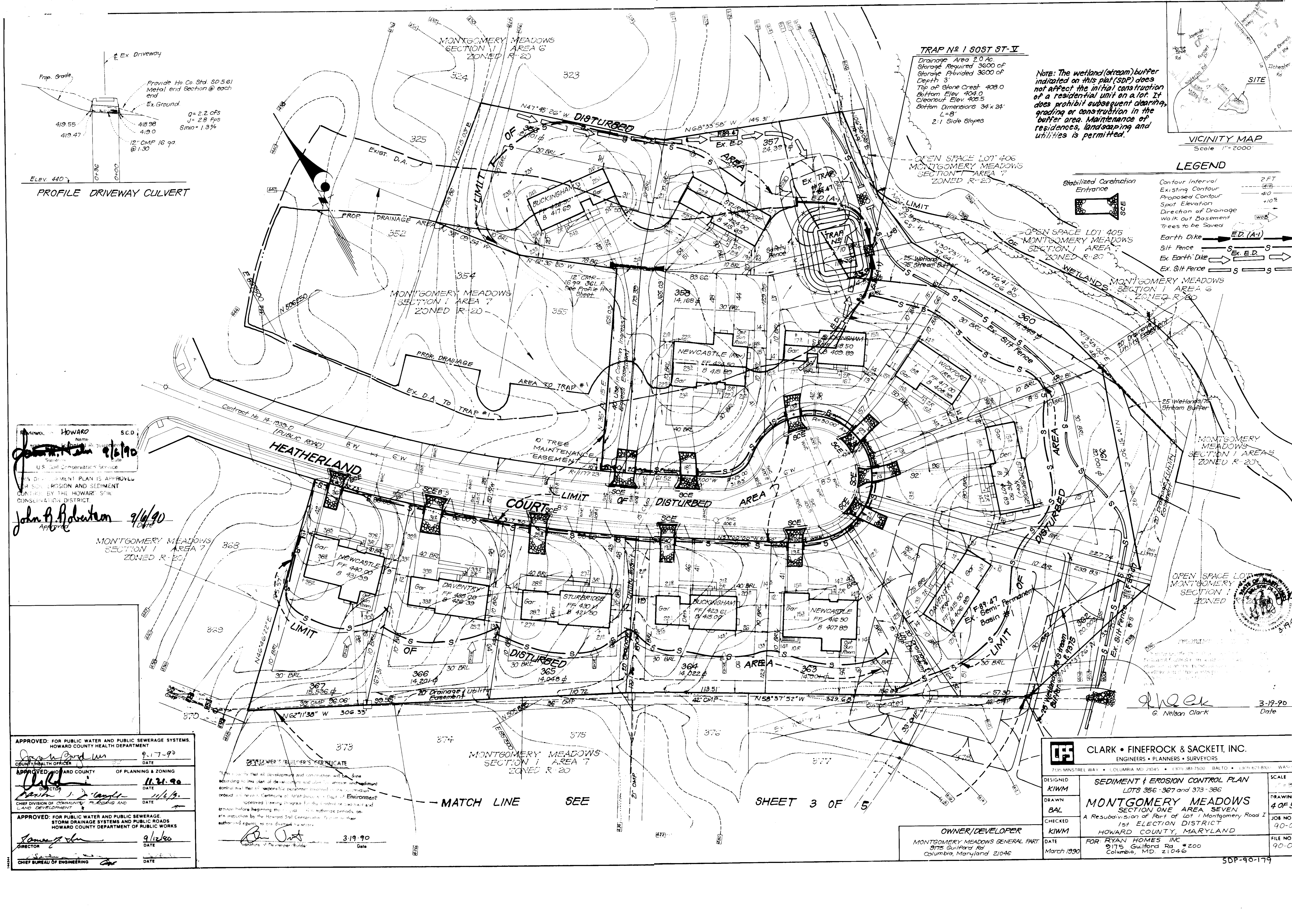
CONTRACTOR'S CERTIFICATE
 I hereby certify that all development and construction will be done according to the plan of development and plan for erosion and sediment control and that all appropriate personnel involved in the construction process will be trained in accordance with the plan of development and approved stormwater management program for the construction site and that the construction will be done in accordance with the approved stormwater management program.
 Signature of Contractor/Builder: [Signature] Date: 3-19-90

G. Nelson Clark 3-19-90 Date

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,
 HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER: [Signature] DATE: 9-17-90
 APPROVED: HOWARD COUNTY OF PLANNING & ZONING
 DIRECTOR: [Signature] DATE: 11-21-90
 CHIEF DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT: [Signature] DATE: 11/19/90
 APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE,
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DIRECTOR: [Signature] DATE: 9/12/90
 CHIEF BUREAU OF ENGINEERING: [Signature] DATE:

| | |
|---|-----------------------|
| CLARK • FINEPROCK & SACKETT, INC. ENGINEERS • PLANNERS • SURVEYORS 7135 MINISTREL WAY • COLUMBIA MD 21045 • (301) 981-7500 • BALTO • (410) 601-8800 • WASH | |
| DESIGNED KIWM | SCALE 1" = 30' |
| DRAWN BAL | DRAWING 4 OF 5 |
| CHECKED KIWM | JOB NO. 90-005 |
| DATE March 1990 | FILE NO. 90-005 SE |

OWNER/DEVELOPER
 MONTGOMERY MEADOWS GENERAL PART
 9175 Guilford Rd
 Columbia, Maryland 21046



SEDIMENT CONTROL NOTES

- 1) A minimum of 24 hours notice must be given to the Howard County Office of Inspection (Permits prior to the start of any construction. (972-2437)
- 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, Chapter 12, of the HOWARD COUNTY DESIGN MANUAL, Storm Drainage.
- 5) All disturbed areas must be stabilized within the time period specified above in accordance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for permanent seedings (Sec. 51) sod (Sec. 54), temporary seeding (Sec. 50) and mulching (Sec. 52). Temporary stabilization with mulch alone can only be done when recommended seeding dates do not allow for proper germination and establishment of grasses.
- 6) All sediment control structures are to remain in place and are to be maintained in operative condition until permission for their removal has been obtained from the Howard County Sediment Control Inspector.
- 7) Site Analysis:
 Total Area of Site 9.457 Acres
 Area Disturbed 6.78 Acres
 Area to be roofed or paved 1.93 Acres
 Area to be vegetatively stabilized 4.80 Acres
 Total Cut 12,000 Cu. yds
 Total Fill 31,525 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 3300 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. | 30 |
| C. Construct Structures, Sidewalks and Driveways. | 120 |
| 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 |

* NOTES: 1. Delay construction of house on lot 380 until trap No. 2 is removed.
 2. Delay construction of houses on lots 361, 362, 363 & 378 until Existing Semi-Permanent Basin #1 (F-80-47) is removed.

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER: [Signature] DATE: 7-17-90

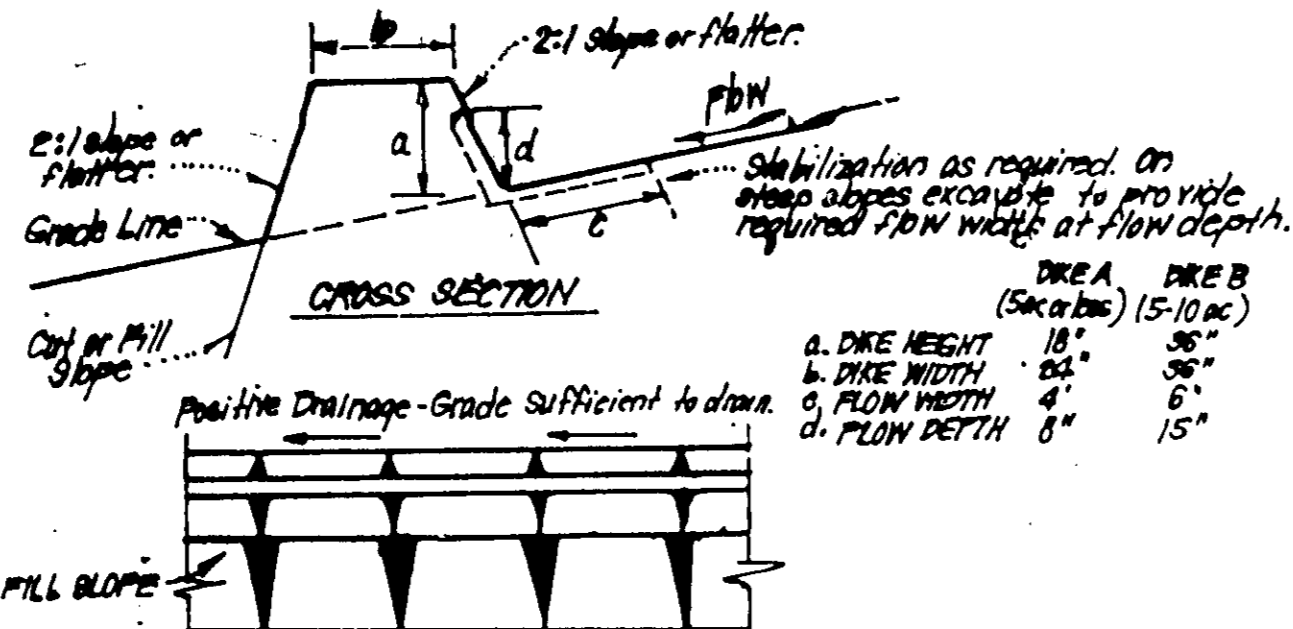
APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING
 DIRECTOR: [Signature] DATE: 11.21.90

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DIRECTOR: [Signature] DATE: 9/12/90

Reviewed for HOWARD COUNTY DEPT. OF PLANNING & ZONING
 and in accordance with Requirements of the U.S. Soil Conservation Service
 Signature: [Signature] Date: 9/6/90

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

John B. Robinson 9/6/90
 Approved Date



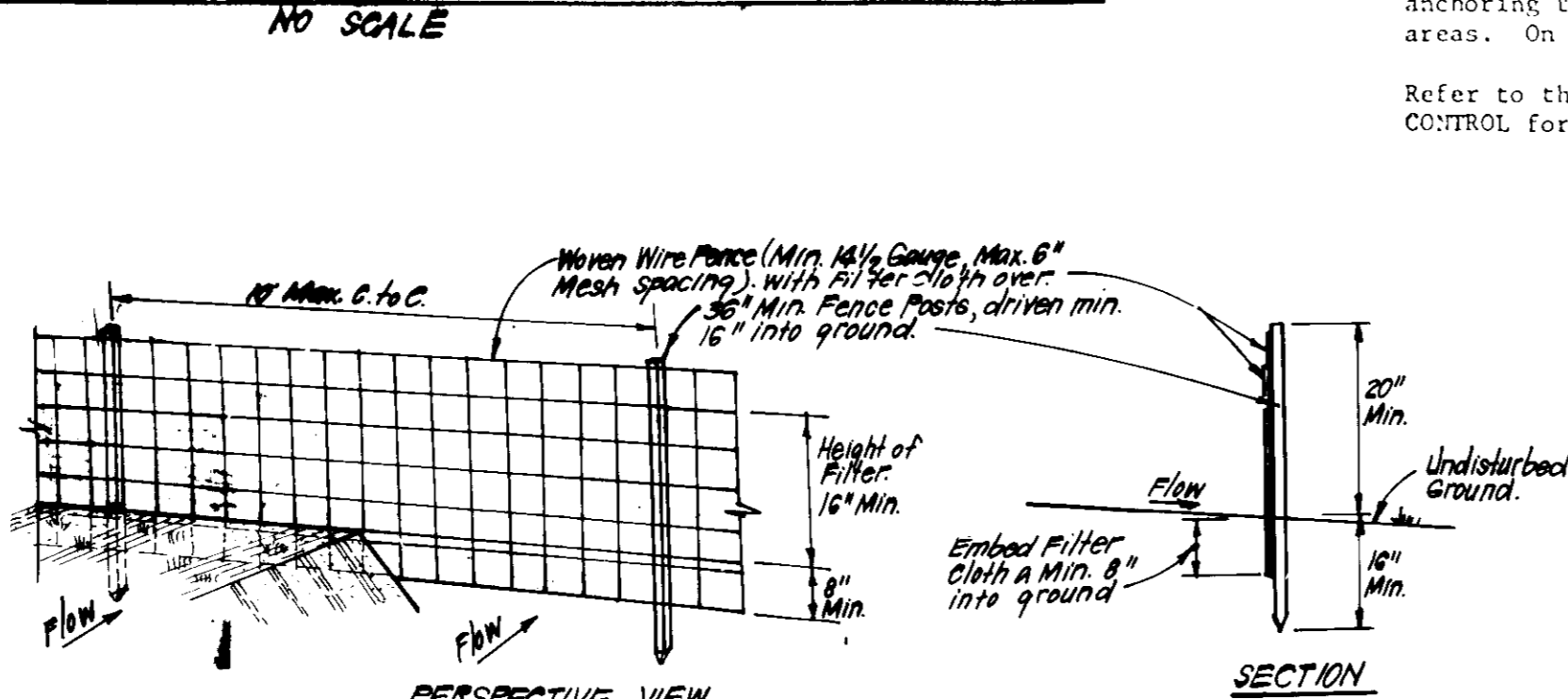
- CONSTRUCTION SPECIFICATIONS:**
1. All dikes shall be constructed by earth-moving equipment.
 2. All dikes shall have positive drainage to an outlet.
 3. Top width may be wider and side slopes may be flatter if desired, to facilitate operation by construction traffic.
 4. Outlet location shall be adjusted as needed to utilize a stabilized grass 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 SLOPE | 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/ Mulch, or Excelsior/Sod, 2" Stone |
| 3. | 5.1 - 8.0% | Seed w/ Mulch or Sod, 2" Stone | Lined Rip Rap 4"-8" Stone |
| 4. | 8.1 - 20.0% | Lined Rip Rap 4"-8" Stone | Engineering Design |

- A. Stone to be 2" Stone, or recycled concrete equivalent, in a layer at least 3" thick and well pressed into soil with construction equipment.
 B. Rip Rap to be 4"-8" in a layer of least 8" thick, pressed into soil.
 C. Approved equivalents can be substituted for any of the above materials.

EARTH DIKE DETAIL (E.D.)



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 Top U Type or 2" Hardwood
 FENCE: Woven Wire, 1 1/4 Gauge, 6" Max. Mesh Opening
 FILTER CLOTH: FilterX, Miral, Mox, Stabilink, T140N or Approved equal
 PREFABRICATED UNIT: Growb, Envirofence, or Approved equal

SILT FENCE DETAIL (S)

NO SCALE

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, disking 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 15 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 reseeds.

TEMPORARY SEEDING NOTES

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

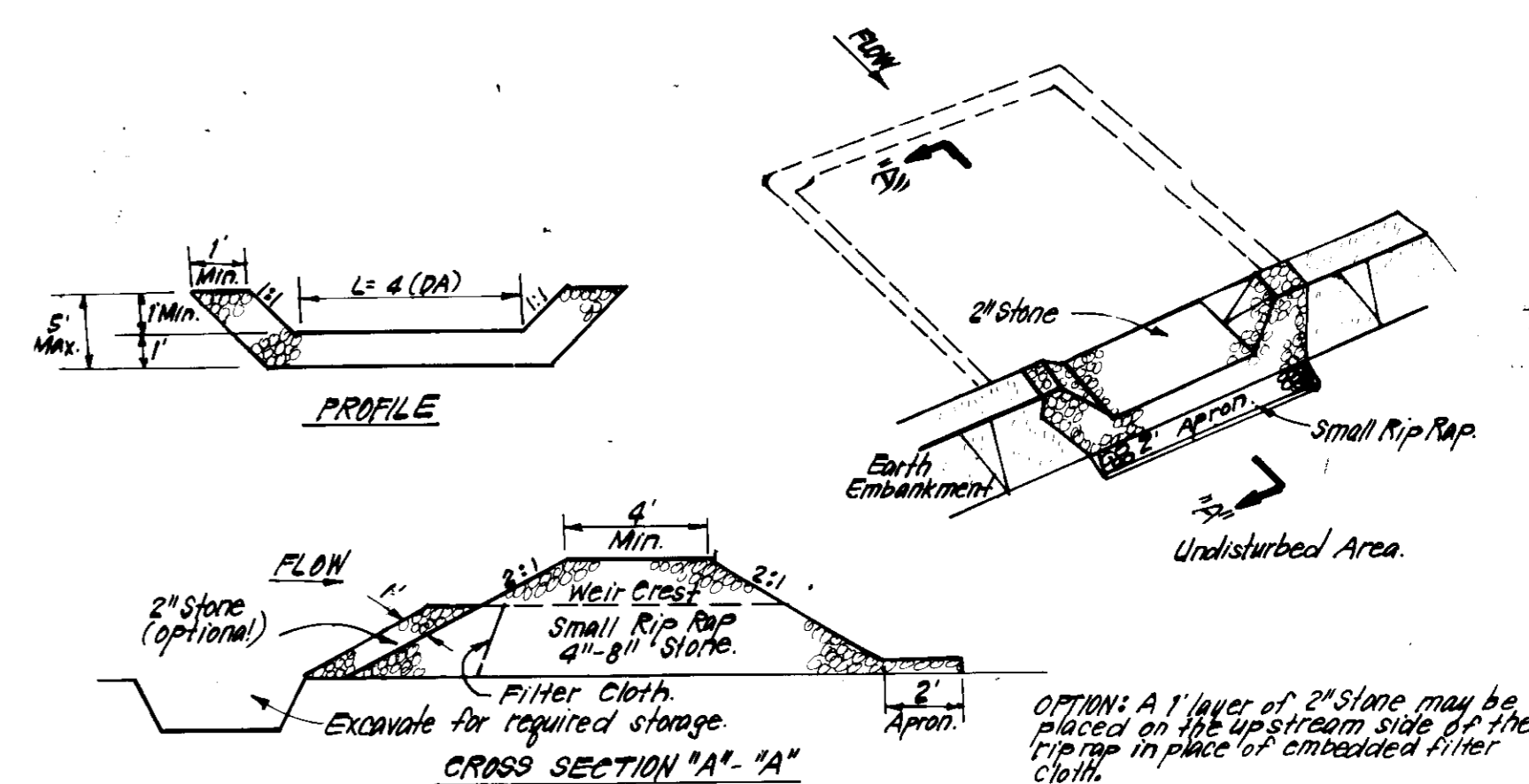
Seedbed Preparation: Loosen upper three inches of soil by raking, disking or other acceptable means before seeding, if not previously loosened.

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 2 1/2 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 15 thru February 28, protect site by applying 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring, or use sod.

- Mulching -** Apply 1 1/2 to 2 tons per acre (70 to 90 lbs/1000 sq ft) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gal per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes, 8 ft or higher, use 348 gal per acre (8 gal/1000 sq ft) for anchoring.

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

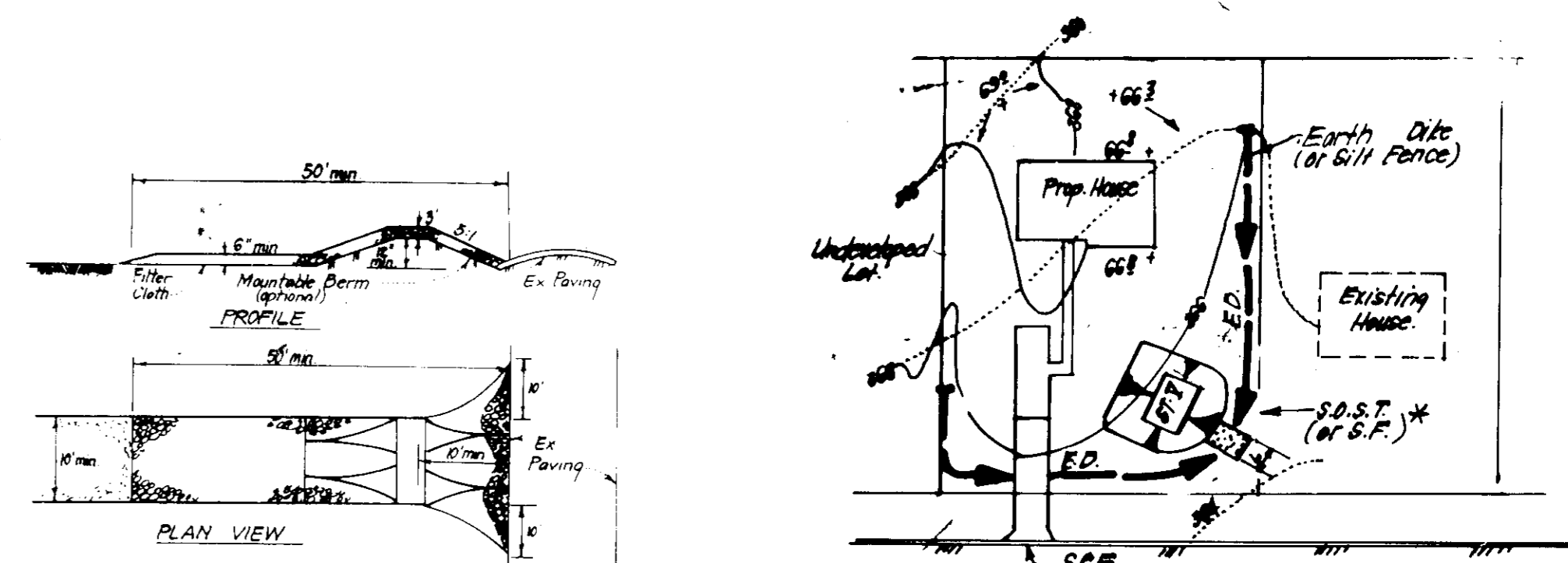


CONSTRUCTION SPECIFICATIONS:

1. Area under embankment shall be cleared, grubbed and stripped of any vegetation and 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 oversized stones, rocks, organic material or other objectionable material. The embankment shall be compacted by tamping 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 that erosion and water pollution is minimized.
8. The structure shall be removed and the area stabilized when the drainage area has been properly stabilized.

STONE OUTLET SEDIMENT TRAP (S.O.ST.) STY.

NO SCALE

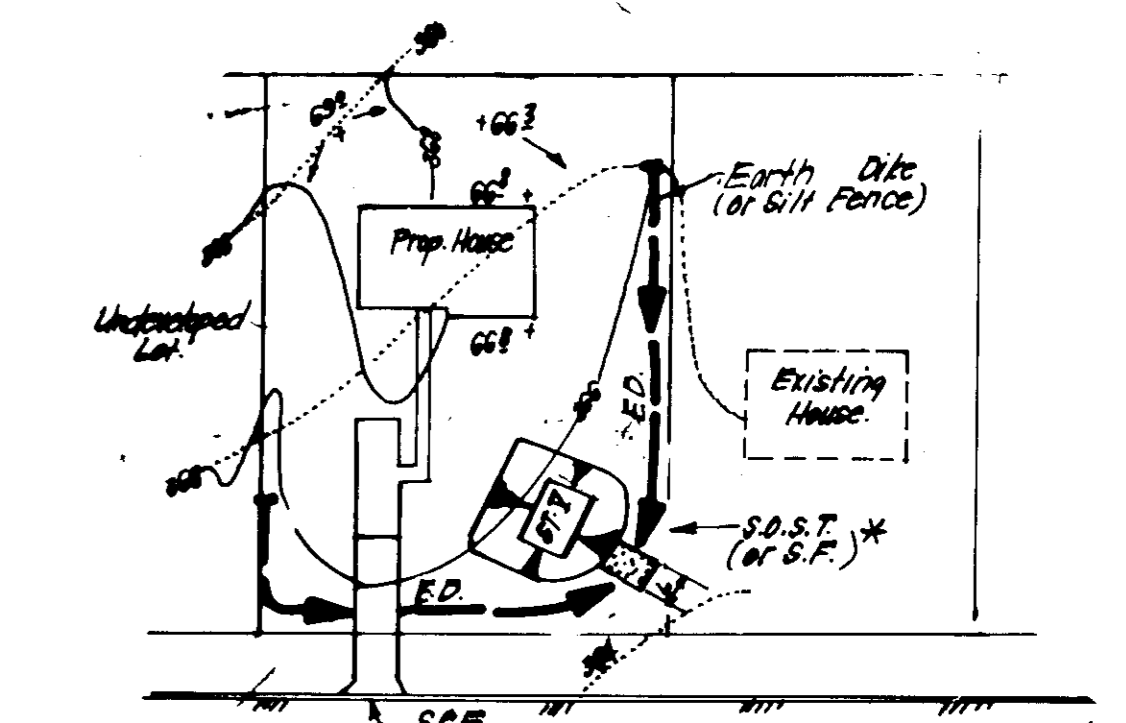


CONSTRUCTION SPECIFICATIONS:

1. Stone size - Use 2" stone or reclaimed or recycled concrete equivalent.
2. Length - As required, but not less than 50 feet (exception a single residence lot where a 30' foot 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 passed across the entrance. If trapping is impractical, amount able berm with 5:1 slopes will be permitted.
7. Maintenance - The entrance shall be maintained in a condition which will prevent tracking or blowing of sediment onto public rights-of-way. This may require periodic top dressing, with additional stone as conditions change and repair and/or cleanup of any impurities used to trap sediment. All sediment located, trapped, washed or tracked onto public rights-of-way must be removed immediately.
8. Warning - 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



CONSTRUCTION SPECIFICATIONS:

1. Stone size - Use 2" stone or reclaimed or recycled concrete equivalent.
2. Length - As required, but not less than 50 feet (exception a single residence lot where a 30' foot 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 passed across the entrance. If trapping is impractical, amount able berm with 5:1 slopes will be permitted.
7. Maintenance - The entrance shall be maintained in a condition which will prevent tracking or blowing of sediment onto public rights-of-way. This may require periodic top dressing, with additional stone as conditions change and repair and/or cleanup of any impurities used to trap sediment. All sediment located, trapped, washed or tracked onto public rights-of-way must be removed immediately.
8. Warning - 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.

SINGLE LOT SEDIMENT CONTROL PLAN

NO SCALE



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
 Date: 3-19-90

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 Environment Approved Training Program for the Control of Sediment and Erosion before beginning the project. I also authorize periodic in-site inspection by the Howard Soil Conservation District or their authorized agents as are deemed necessary."

[Signature] 3-19-90
 Signature of Developer/Builder Date

CLARK • FINEFROCK & SACKETT, INC.
 ENGINEERS • PLANNERS • SURVEYORS
 7135 MINSTREL WAY • COLUMBIA, MD 21045 • (301) 381-7500 • BALTO. • (301) 621-8100 • WA-57

| | | |
|--------------------|---|----------------------|
| DESIGNED KIWM | SEDIMENT & EROSION CONTROL PLAN LOTS 356-367 & 373-386 | SCALE As Shown |
| DRAWN BAL | MONTGOMERY MEADOWS | DRAWING 5 of 5 |
| CHECKED KIWM | SECTION 1 AREA 7 | JOB NO 30-005 |
| DATE March 1990 | 1ST ELECTION DISTRICT HOWARD COUNTY MARYLAND | FILE NO 30-005-32 |

FOR: RYAN HOMES, INC.
 9175 Gu/Pond Rd
 Columbia, Md. 21046