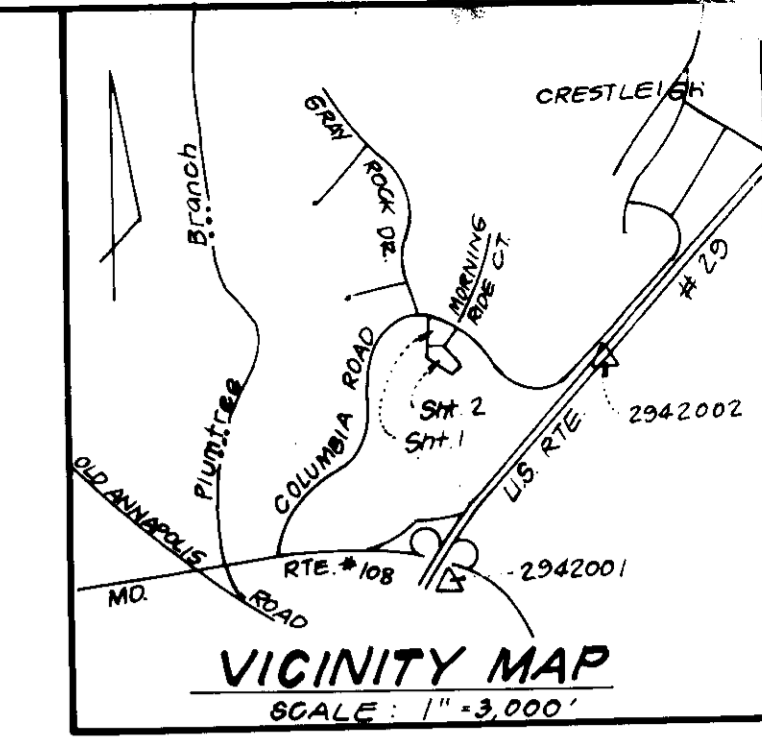
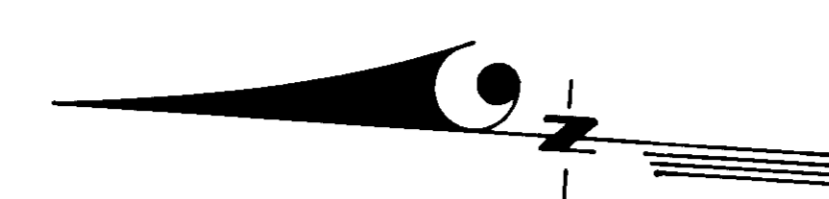
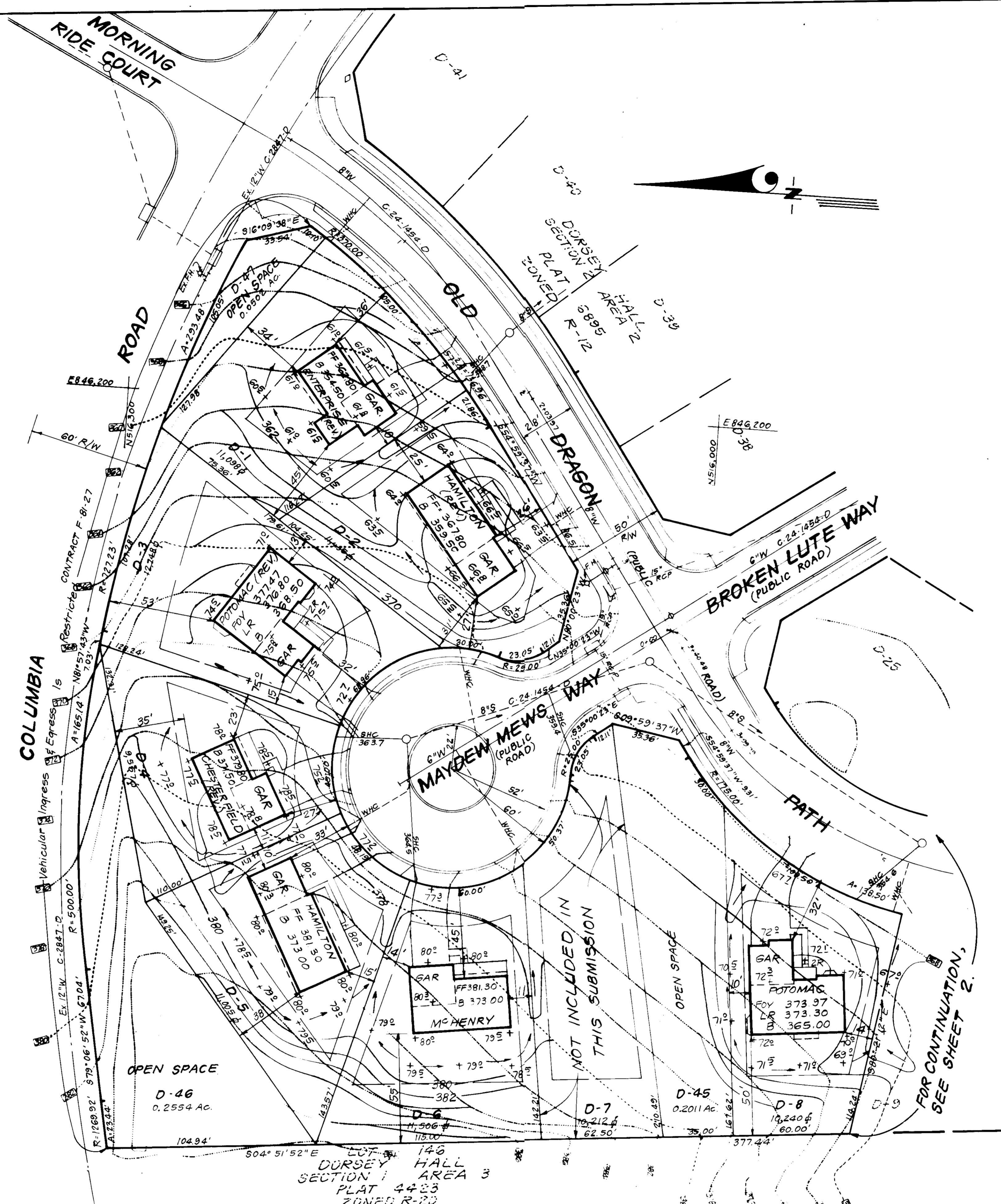


TYPICAL HOUSES
SCALE: 1"=30'



- GENERAL NOTES:**
- The land included in this plan is zoned: R-12.
 - All coordinates are based upon Howard County Geodetic Control Monuments 2942001 and 2942002 which are based upon the Maryland State Plane Coordinate System.
 - All roads are public and existing.
 - Any damage to county owned rights-of-way to be corrected at the Developer's expense.
 - Total Area included: 5.436 Acres
 - Total Number of Lots: 23
 - Stormwater Management is provided by plans submitted under F-85-16.
 - The contractor or developer shall contact the Construction Inspection Division, 24 hours in advance of commencement of work, at 702-2630.

- LEGEND:**
- Contour Interval 2ft
 - Existing Contour 380
 - Proposed Contour 380
 - Spot Elevation +80.0
 - Direction of Drainage
 - Existing Trees to be Saved
 - Walk Out Basement
 - 100 Year Flood Plain Elevation

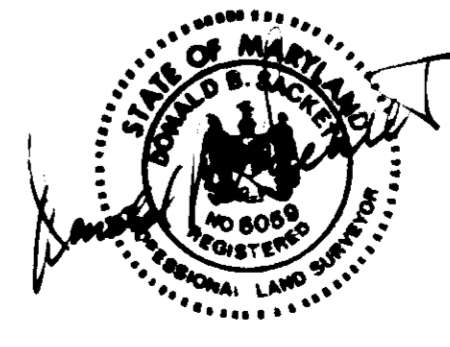
ADDRESS CHART	
LOT #	STREET ADDRESS
D-1	4600 OLD DRAGON PATH
D-2	4608 OLD DRAGON PATH
D-3	4606 MAYBEW MEWS WAY
D-4	4610
D-5	4611
D-6	4607 MAYBEW MEWS WAY
D-7	4616 OLD DRAGON PATH
D-8	4620
D-9	4624
D-10	4628
D-11	4632
D-12	4636
D-13	4640
D-14	4644
D-15	4648
D-16	4652
D-17	4656
D-18	4660
D-19	4664
D-20	4668
D-21	4672
D-22	4676
D-23	4680
D-24	4684
D-25	4688
D-26	4692
D-27	4696
D-28	4700
D-29	4704
D-30	4708
D-31	4712
D-32	4716
D-33	4720
D-34	4724
D-35	4728
D-36	4732
D-37	4736
D-38	4740
D-39	4744
D-40	4748
D-41	4752
D-42	4756
D-43	4760
D-44	4764
D-45	4768
D-46	4772
D-47	4776
D-48	4780
D-49	4784
D-50	4788
D-51	4792
D-52	4796
D-53	4800
D-54	4804
D-55	4808
D-56	4812
D-57	4816
D-58	4820
D-59	4824
D-60	4828
D-61	4832
D-62	4836
D-63	4840
D-64	4844
D-65	4848
D-66	4852
D-67	4856
D-68	4860
D-69	4864
D-70	4868
D-71	4872
D-72	4876
D-73	4880
D-74	4884
D-75	4888
D-76	4892
D-77	4896
D-78	4900
D-79	4904
D-80	4908
D-81	4912
D-82	4916
D-83	4920
D-84	4924
D-85	4928
D-86	4932
D-87	4936
D-88	4940
D-89	4944
D-90	4948
D-91	4952
D-92	4956
D-93	4960
D-94	4964
D-95	4968
D-96	4972
D-97	4976
D-98	4980
D-99	4984
D-100	4988

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT
DATE: 1-8-87

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
DATE: 1-9-87

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DATE: 1-7-87

APPROVED: DIVISION OF LAND DEVELOPMENT
ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE: 12-15-86

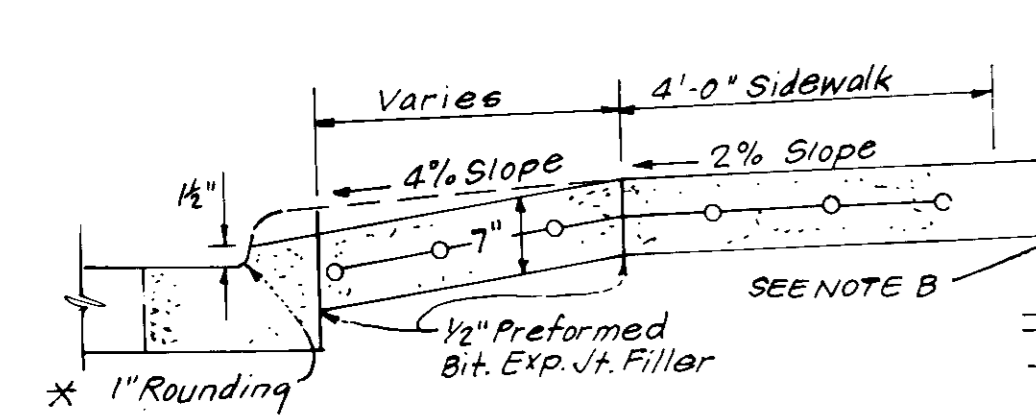


CLARK · FINFROCK & SACKETT
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11315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593-3400

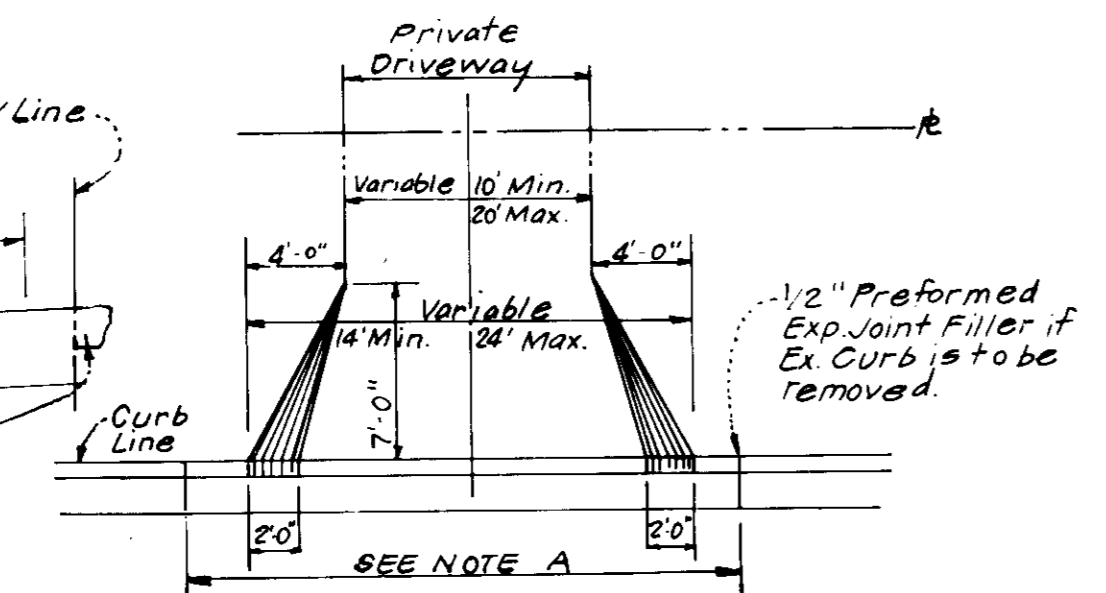
DESIGNED: J.M.E. SITE DEVELOPMENT PLAN
DRAWN: V.L.M. LOTS D-1 THRU D-6 & LOTS D-8 THRU D-24
CHECKED: J.M.E. **DORSEY HALL**
DATE: 11-10-86 SECTION 2 AREA 2
2ND ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
THE RYLAND GROUP - Columbia Division
7130 Minstrel Way, Suite 215
Columbia, Maryland 21045

SCALE: 1"=30'
DRAWING: 1 OF 4
JOB NO.: 86-090
FILE NO.: 86-090-X

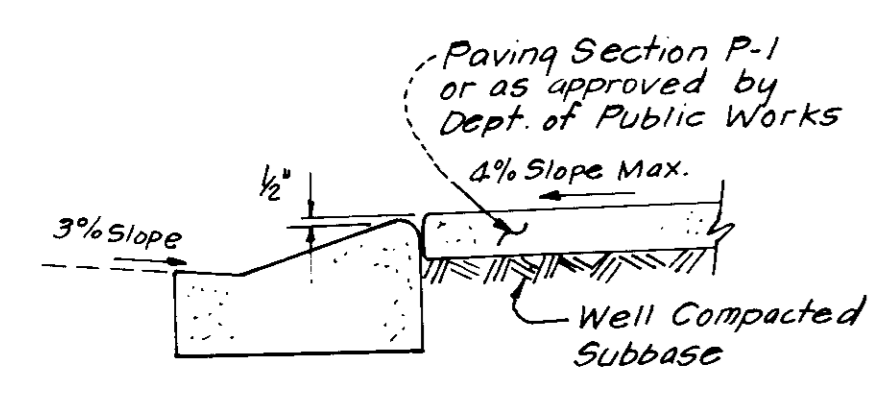
Note B: Paving (1/2" med Exp Jt. Filler is to be provided at R/W Line)



SECTION: DRIVEWAY IN NEW CURB
* See Ho. Co. Std. R-6.01

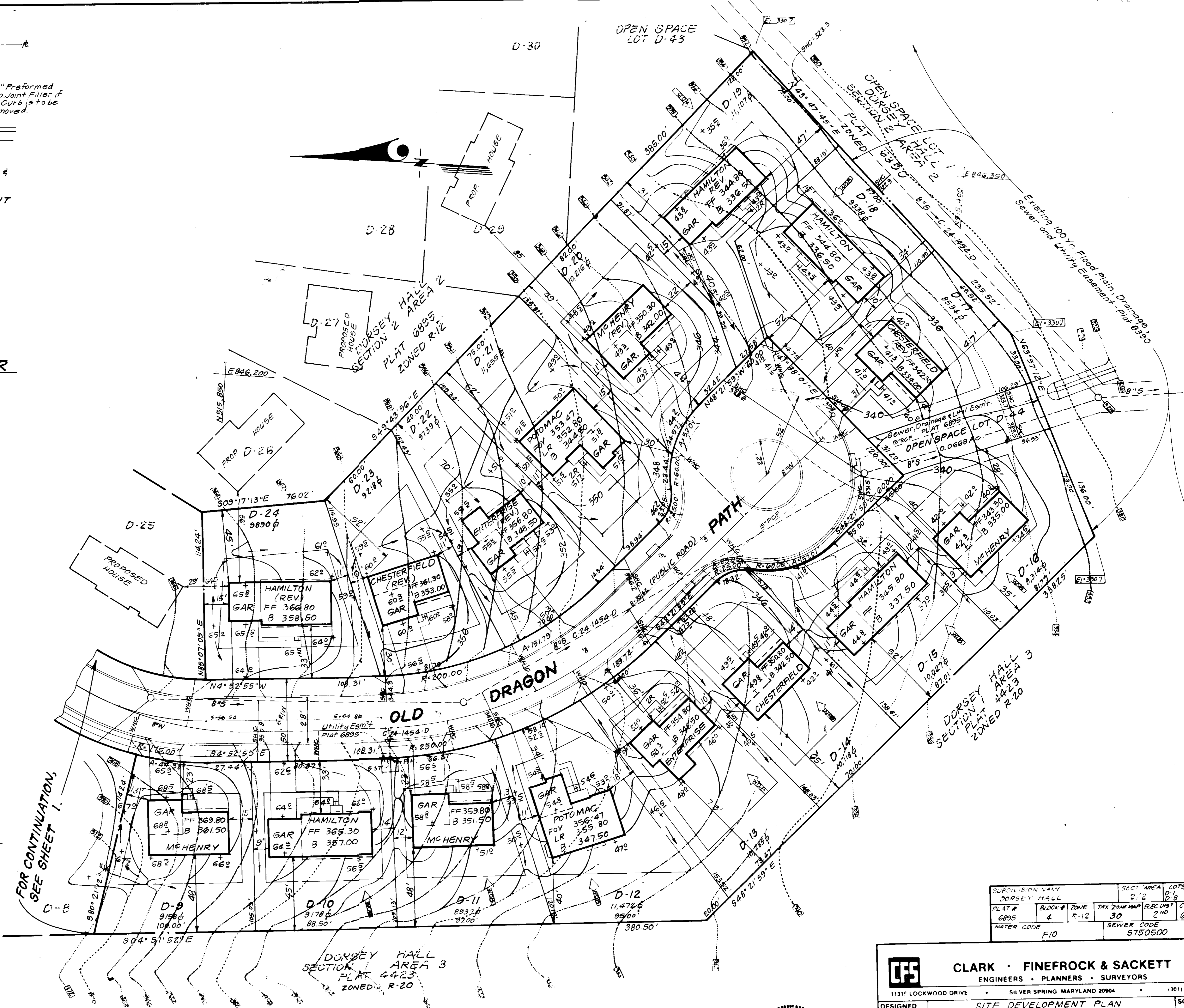


NOTE A: Where Curb & Gutter exists, remove & reconstruct curb & gutter to first joint on either side of entrance.
CLOSED SECTION ROADWAY WITHOUT CONCRETE WALK **
** See Ho. Co. Std. R-6.05



CLOSED SECTION ROADWAY WITHOUT CONCRETE WALK **
** See Ho. Co. Std. R-6.05

DRIVEWAY ABUTTING STANDARD 7" COMB. CURB & GUTTER
NO SCALE



FOR CONTINUATION, SEE SHEET 1.

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT <i>[Signature]</i> DATE 1-8-87	APPROVED: DIVISION OF LAND USE ZONING ADMINISTRATION HOWARD COUNTY, MARYLAND DATE 12-15-86 <i>[Signature]</i>
APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING <i>[Signature]</i> DATE 1-9-87	
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS <i>[Signature]</i> DATE 1-7-87	
DIRECTOR <i>[Signature]</i> CHIEF BUREAU OF ENGINEERING	

SUBDIVISION NAME	SECTION AREA	LOTS
DORSEY HALL	2.12	D-1, D-6 & D-8, D-22
PLAT #	BLOCK #	ZONE
6895	4	R-12
TAX ZONE MAP ELEC DIST	CENSUS TR	
30	20	6023.01
WATER CODE	SEWER CODE	
F10	5750500	

CLARK · FINEFROCK & SACKETT
ENGINEERS · PLANNERS · SURVEYORS
11317 LOCKWOOD DRIVE SILVER SPRING MARYLAND 20904 (301) 583-3400

DESIGNED	JME	SITE DEVELOPMENT PLAN	SCALE
DRAWN	V.L.M.	LOTS D-1 THRU D-6 & LOTS D-8 THRU D-24	1" = 30'
CHECKED	JME	DORSEY HALL	DRAWING
DATE	11-10-86	SECTION 2 AREA 2	2 OF 4
		2ND ELECTION DISTRICT	JOB NO
		HOWARD COUNTY, MARYLAND	86-090
		FOR THE FILING GROUP Columbia Division	FILE NO
		730 Minster Way, Suite 215	86-090-1
		Columbia, Maryland 21045	



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.

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 sq ft) and 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq ft) before seeding. Harrow or disc into upper three inches of soil. At time of seeding, apply 400 lbs per acre 30-0-0 ureaform fertilizer (9 lbs/1000 sq ft).
- 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 30 lbs per acre (1.4 lbs/1000 sq ft) of Kentucky 31 Tall Fescue. For the period May 1 thru July 31, seed with 50 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 50 lbs/acre Kentucky 31 Tall Fescue and mulch with 2 tons/acre well anchored straw.

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

Maintenance: Inspect all seeded areas and make needed repairs, replacements and reseedings.

TEMPORARY SEEDING NOTES

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

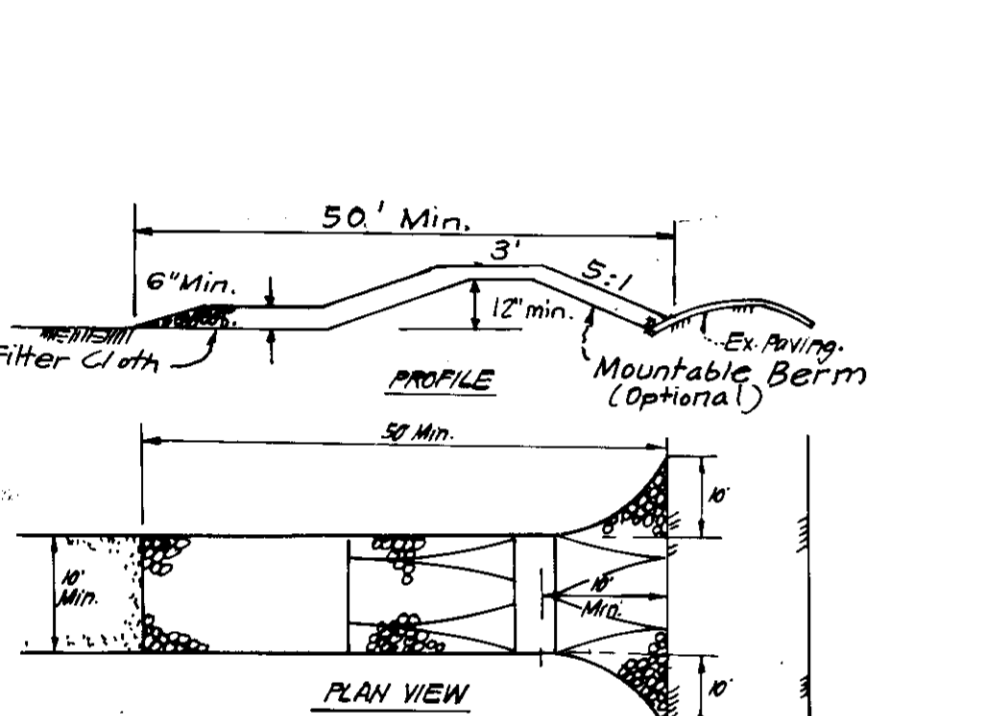
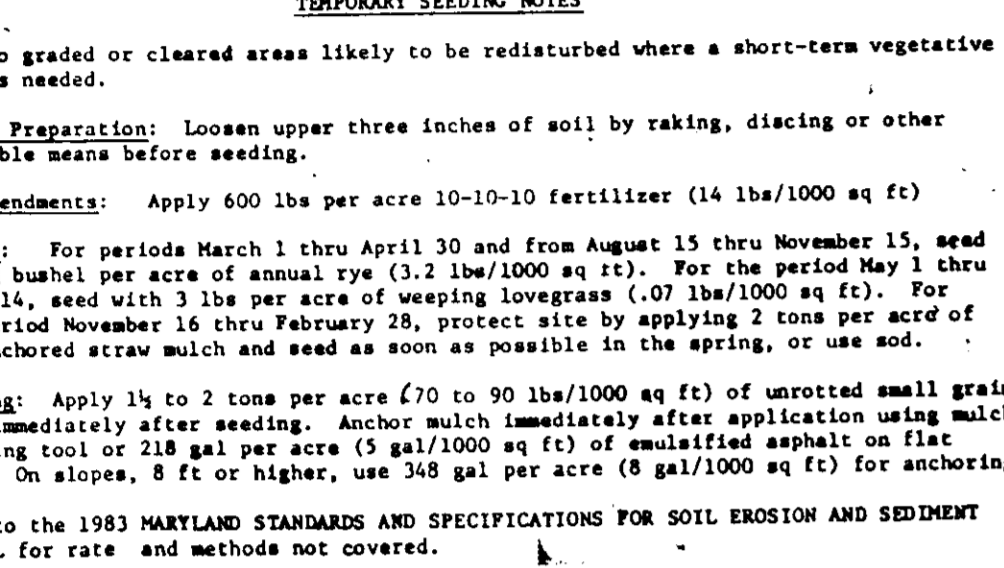
Seedbed Preparation: Loosen upper three inches of soil by raking, disking or other acceptable means before seeding.

Soil Amendments: Apply 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq ft).

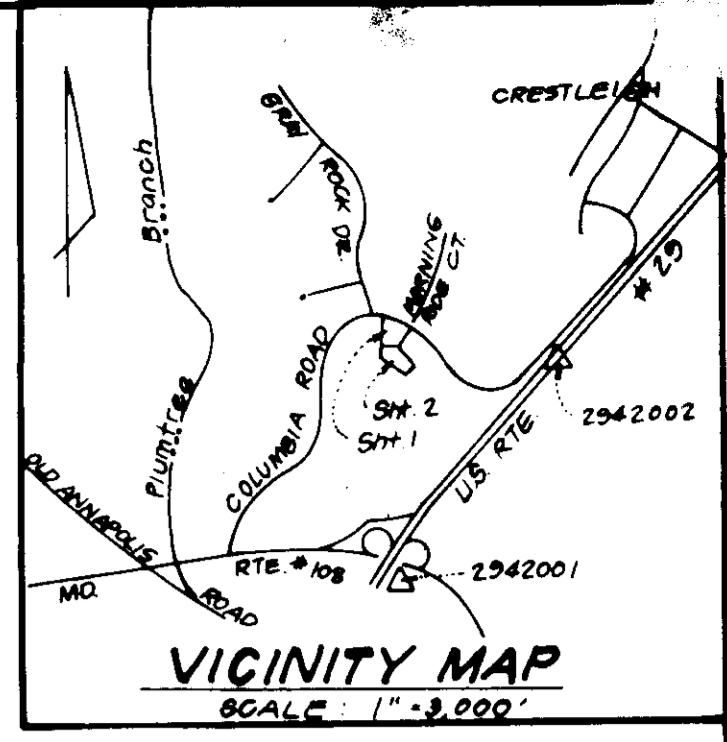
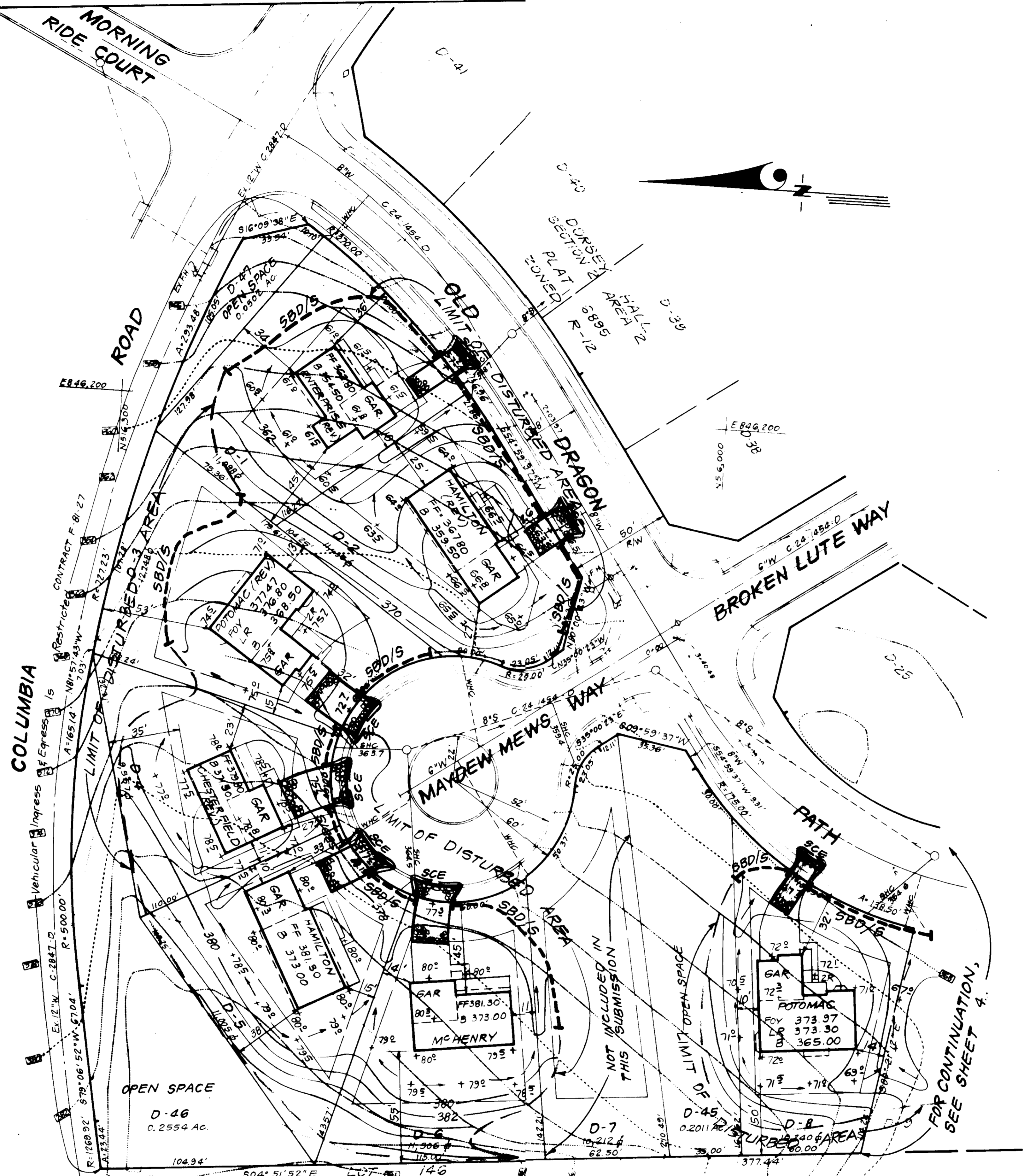
Seeding: For periods March 1 thru April 30 and from August 15 thru November 15, seed with 25 bushels per acre of annual ryegrass (3.2 lbs/1000 sq ft). For the period May 1 thru August 14, seed with 1 lb per acre of weeping lovegrass (.07 lbs/1000 sq ft). For the period November 16 thru February 28, protect site by applying 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring, or use sod.

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

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



- 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 15' minimum length would apply).
 3. Thickness - Not less than 6".
 4. Width - Top 12" min, but not less than the full width at point where ingress begins.
 5. Slope - Top 12" min, but not less than the full width at point where ingress begins.
 6. Surface Material - All surface water, flowing or diverted toward construction entrance, should be directed through the entrance.
 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 cleanup of any measures used to trap sediment. All sediment spilled, dropped, washed or tracked into public rights of way must be removed immediately.
 8. Mulching - Where it is desired to provide additional erosion control, public rights of way, when washing is required, it shall be done on an area stabilized with stone and which opens into the stabilized sediment trapping device.
 9. Portable inspection and needed maintenance shall be provided after each run.



- 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/fences 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 seeding (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	5436	Acres
Area Disturbed	428	Acres
Area to be roofed or paved	130	Acres
Area to be vegetatively stabilized	2239	Acres
Total Cut	7133	Cu. yds
Total Fill	3905	Cu. yds
Offsite waste/borrow area location	N/A	
 - 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 DEW 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).
 - 13) The total amount of straw bale dikes/silt fence equals 1950 L.F.

CONSTRUCTION SEQUENCE

Activity	# OF DAYS
A. Obtain Grading Permit and Install Sediment and Erosion Control Devices and Stabilize	10
B. Excavate for foundations and Rough Grade of Remaining Stabilize	10
C. Construct Structures, Sidewalks and Driveways	15
D. Final Grade and stabilize in accordance with Stds. & Specs.	20
E. Use approval of the sediment control inspector.	10

- LEGEND:**
1. Contour Interval 2 Ft.
 2. Existing Contour
 3. Proposed Contour
 4. Spot Elevation
 5. Direction of Drainage
 6. Straw Bale Dike or Silt Fence
 7. Stabilized Construction Entrance

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

[Signature] 1-8-87
DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING

[Signature] 1-9-87
DATE

[Signature] 1-9-87
DATE

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

[Signature] 1-7-87
DATE

Reviewed for HOWARD S.C.D.
and meets technical requirements
[Signature] 12-31-86
Date
U.S. Soil Conservation Service

THIS DEVELOPMENT PLAN IS APPROVED
DATE 12-31-86
Date

ENGINEER'S CERTIFICATE

I hereby certify that this plan for Erosion and Sediment Control represents a correct 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 County Health Department.

[Signature] 11-12-86
Date
G. Nelson

CLARK · FINEFROCK & SACKETT
ENGINEERS · PLANNERS · SURVEYORS

1131F LOCKWOOD DRIVE · SILVER SPRING, MARYLAND 20904 · (301) 593-3400

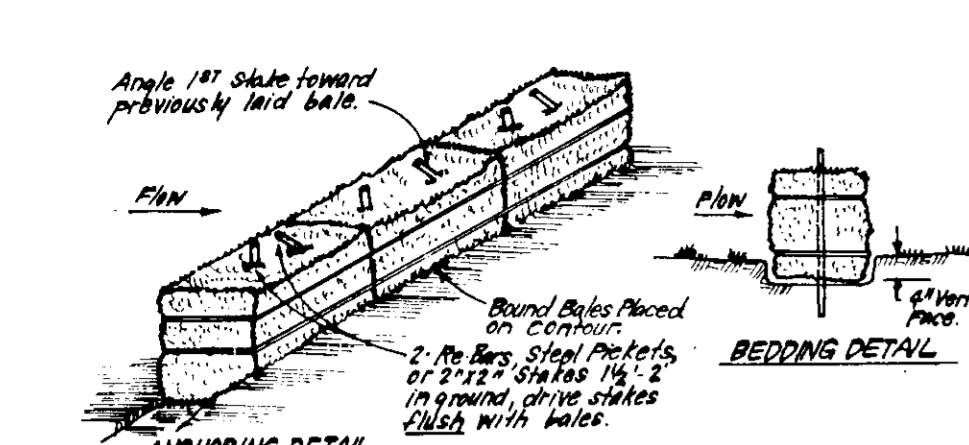
DESIGNED BY D. T.
DRAWN BY V.L.M.
CHECKED BY D. T.
DATE 11-10-86

SEDIMENT AND EROSION CONTROL PLAN
LOTS D-1 THRU D-6 & LOTS D-8 THRU D-24

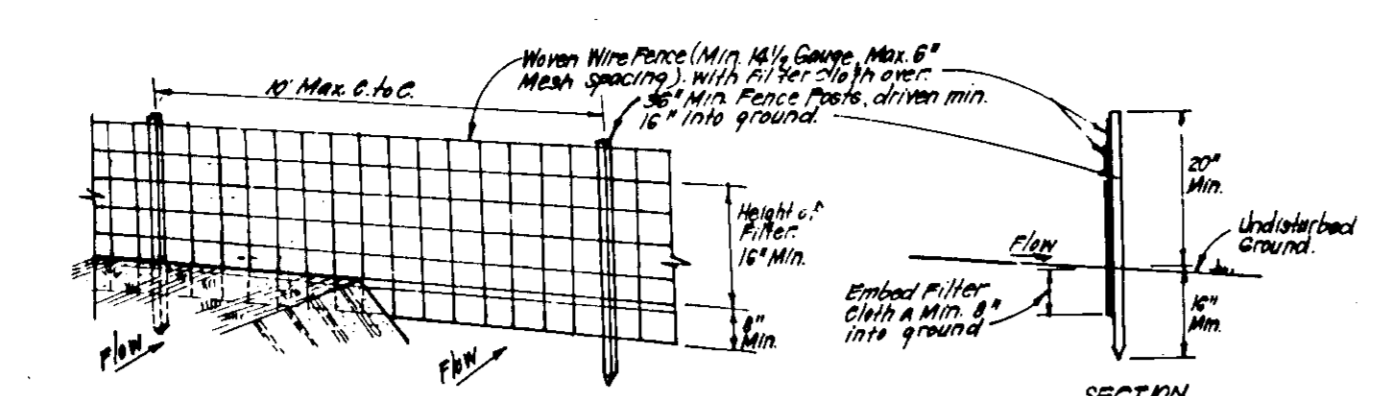
DORSEY HALL
SECTION 2, AREA 2
2ND ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

FOR: THE RYLAND GROUP, COLUMBIA DIVISION
7130 Minstrel Way, Suite 215
Columbia, Maryland 21045

SCALE 1" = 30'
DRAWING 3 OF 4
JOB NO. 86-000
FILE NO. 86-0005
S.D.P. 87-91

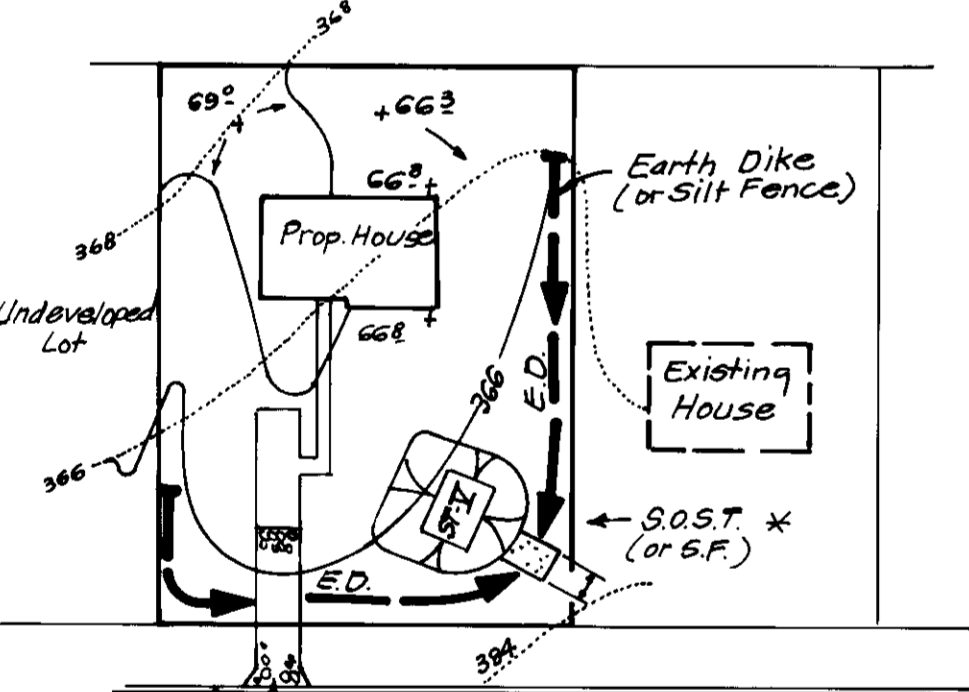


ANCHORING DETAIL
CONSTRUCTION SPECIFICATIONS:
 1. Bales shall be placed at the top of a slope or on the contour and in a row with ends tightly abutting the adjacent bales.
 2. Each bale shall be embedded in the soil a min. of 4" and placed so the bindings are horizontal.
 3. Bales shall be securely anchored in place by either 2 stakes or re-bars driven thru the bale. The (2) stakes or re-bars shall be driven through the bale at an angle to force the bales together. Stakes shall be driven flush with the bale.
 4. Inspection shall be frequent and repair/replacement shall be made promptly as needed.
 5. Bales shall be removed when they have served their usefulness so as not to block or impede storm flow or drainage.



PERSPECTIVE VIEW
SECTION
CONSTRUCTION SPECIFICATIONS:
 1. Woven wire fence to be fastened securely to fence posts with wire ties or staples.
 2. 2 1/2" x 1/2" plates to be fastened securely to woven wire fence with ties spaced every 3' at top and mid section.
 3. When 2 sections of filter cloth begin each other they shall be overlapped by 6" and taped.
 4. Maintenance shall be performed as needed and material removed when "blowouts" develop in silt fence.
POSTS: Steel, either T or U Type or 2" Hardwood
FENCE: Woven Wire, 1/4" Gauge, 2" Max. Mesh Opening
FILTER CLOTH: Filter Cloth, Min. 200 Mesh, Substrate 740W or Equivalent
PREFABRICATED UNIT: Geotext, Envirofence, or Approval equal

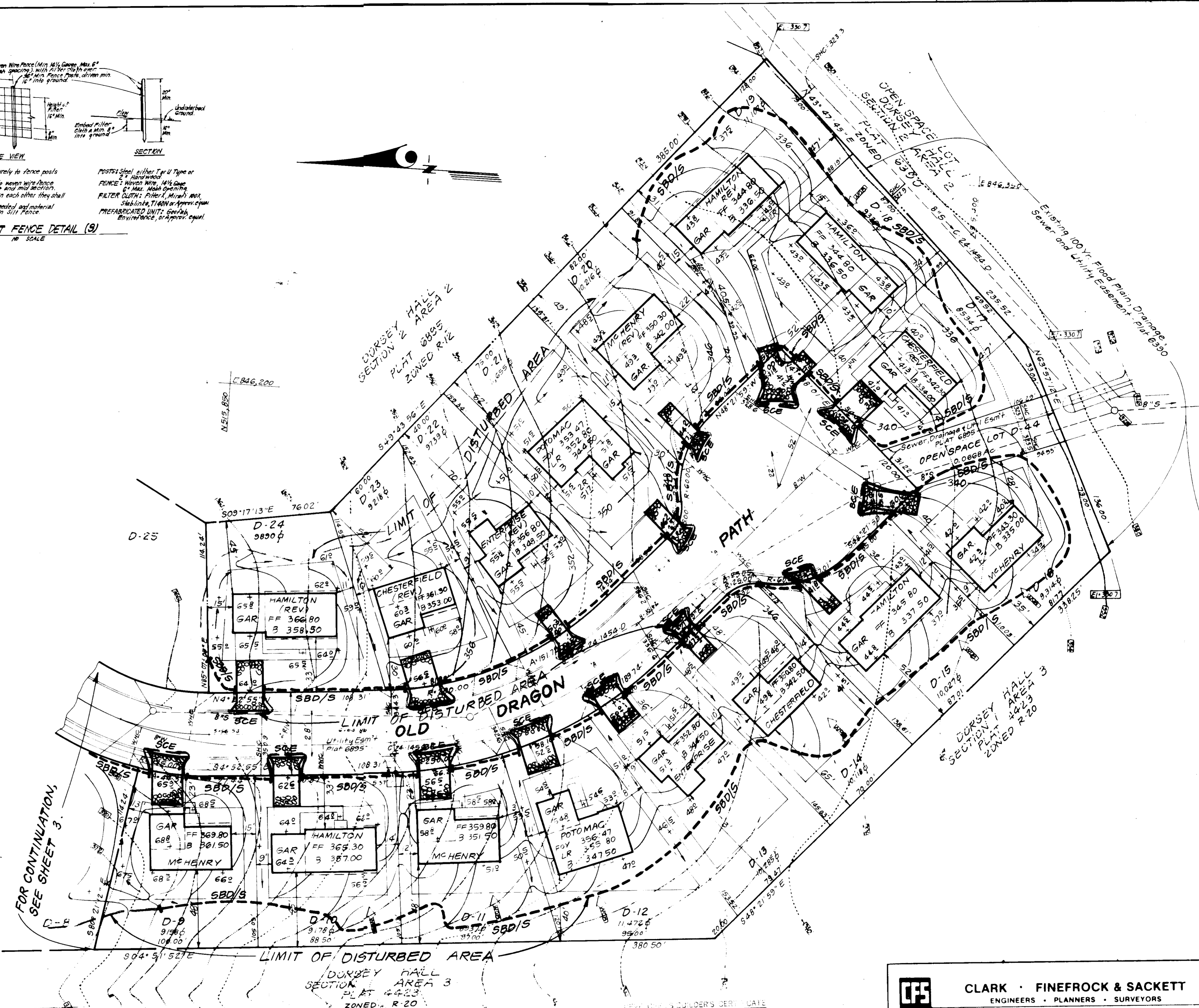
SILT FENCE DETAIL (S)
 NO SCALE



SINGLE LOT SEDIMENT CONTROL PLAN
 NO SCALE

NO.	ST.	ST.-V.	Pa.	16.12
LOT SIZE	1/4 AC	1/4 AC	1 AC	
Depth	2'	3'	6'	
Bot. Length	11'	12'	26'	
Bot. Width	11'	11'	26'	
Bot. Area	1210	1380	676	

* 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.
 + Can be adjusted in field, but bottom area must be as given or greater.



APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT
 DATE: 1-8-87

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
 DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
 HOWARD COUNTY, MARYLAND
 DATE: 12-15-86

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DATE: 1-7-87

APPROVED
 DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
 HOWARD COUNTY, MARYLAND
 DATE: 12-15-86

Reviewed for HOWARD County and meets Technical Requirements
 U.S. Soil Conservation Service
THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY CONSERVATION DISTRICT.
 Approved: 12-31-86 Date

ENGINEER'S CERTIFICATE
 I hereby certify that the plan for the development of the above described property is in accordance with the requirements of the Howard County Department of Public Works and the Howard County Department of Public Safety and that the same has been approved by the Howard County Department of Public Works and the Howard County Department of Public Safety.
 Signature: P. H. Nelson
 Date: 11-12-86

CLARK · FINEFROCK & SACKETT
 ENGINEERS · PLANNERS · SURVEYORS
 11317 LOCKWOOD DRIVE SILVER SPRING MARYLAND 20904 (301) 583-3400

SEDIMENT AND EROSION CONTROL PLAN
 LOTS D-1 THRU D-6 & LOTS D-8 THRU D-24
DORSEY HALL
 SECTION 2 AREA 2
 2ND ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 DATE: 11-10-86

DESIGNED D.T.
DRAWN J.L.V.
CHECKED D.T.
DATE 11-10-86

SCALE 1" = 30'
DRAWING 4 OF 4
JOB NO. 86-090
FILE NO. 86-090SE

S.D.P. 87-91