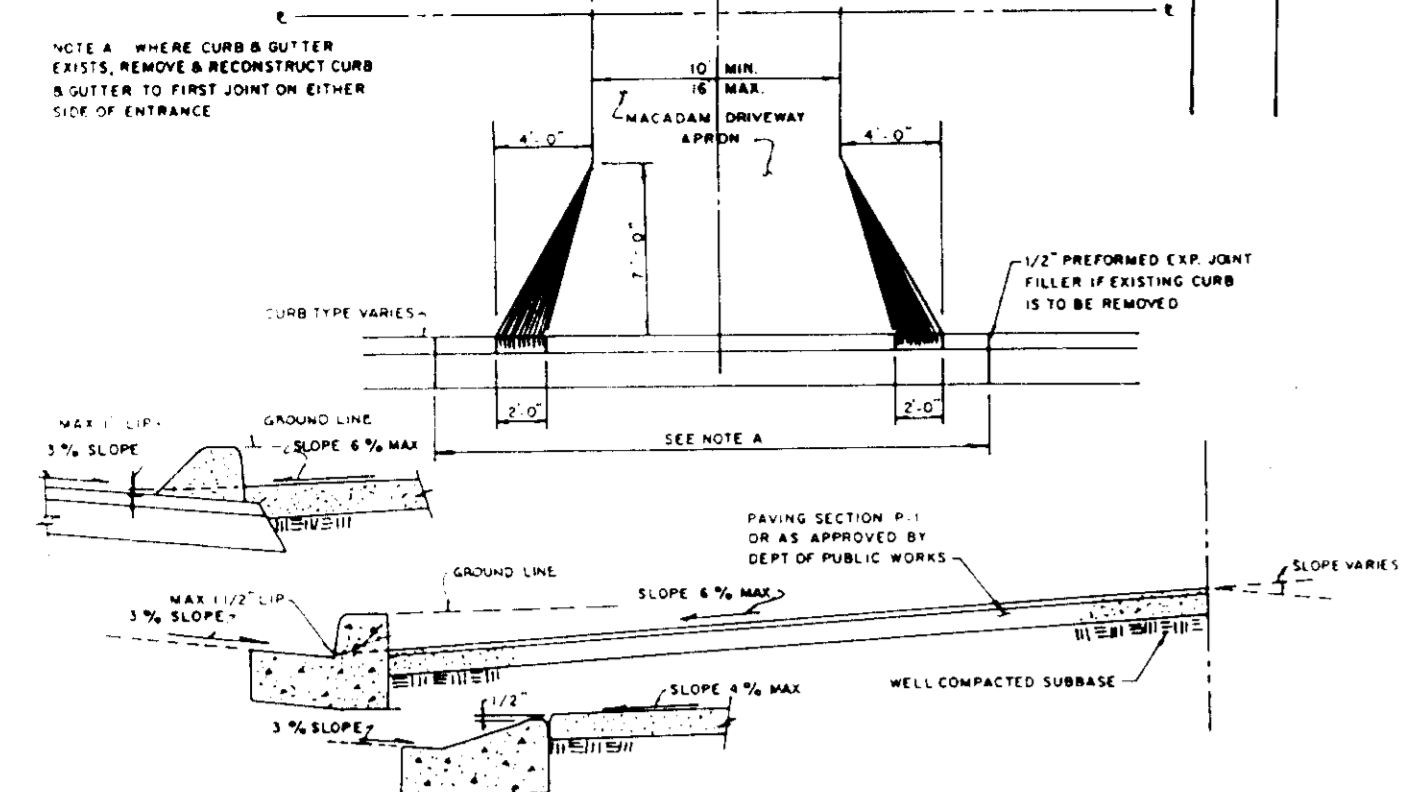
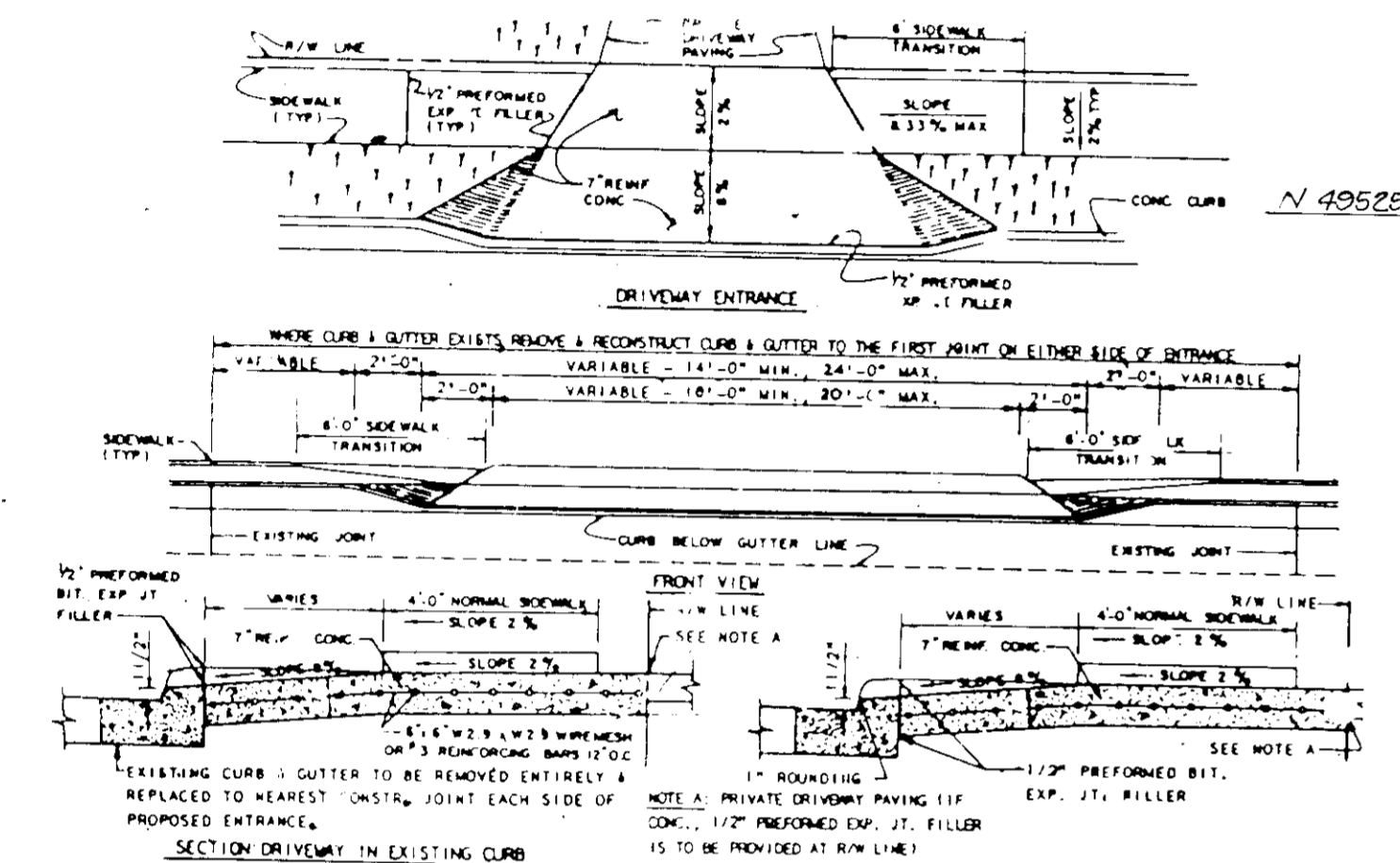


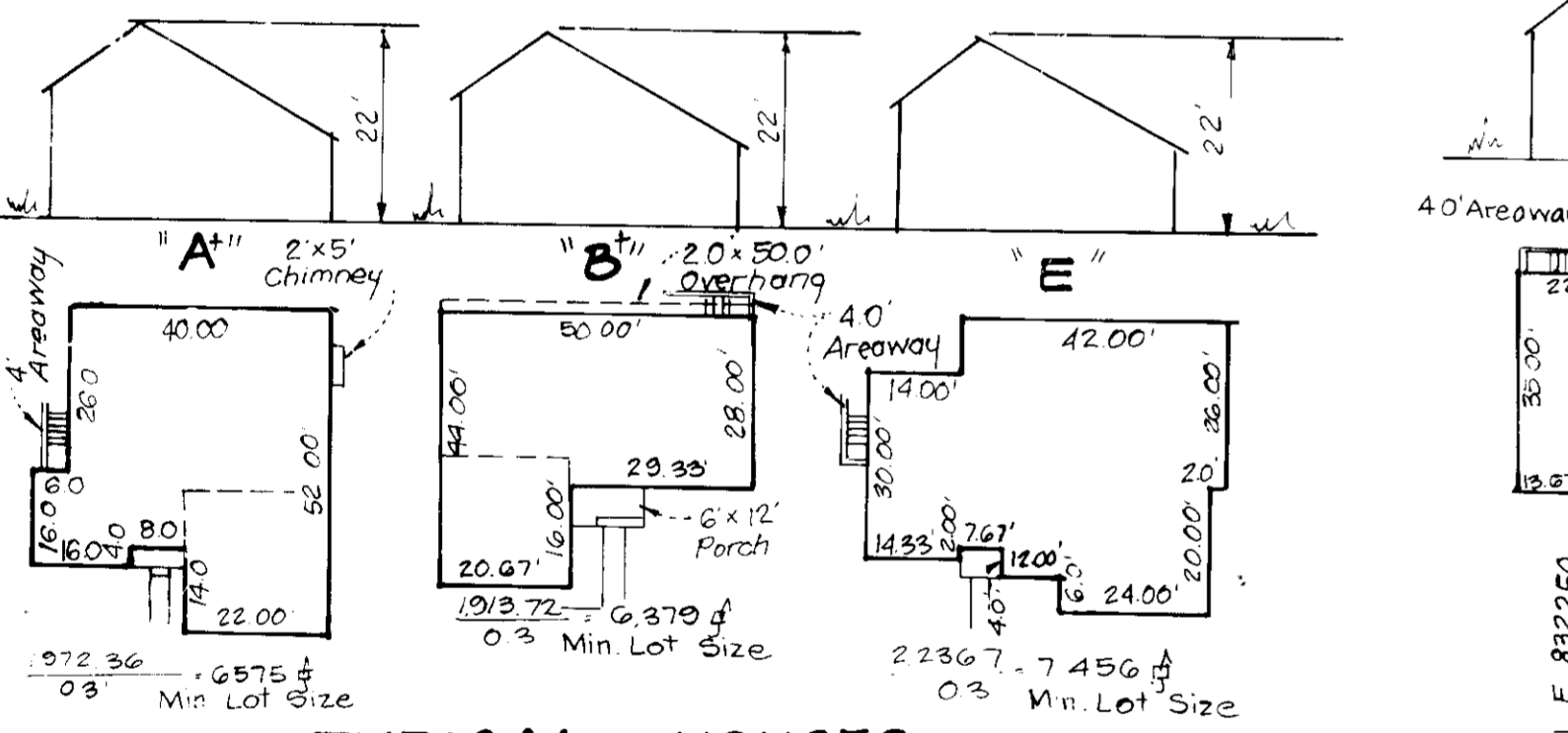
REVISIONS		
1	Rev hse and grad lot 59	7.3.91
2	Rev hse and grad lot 56	8.19.91



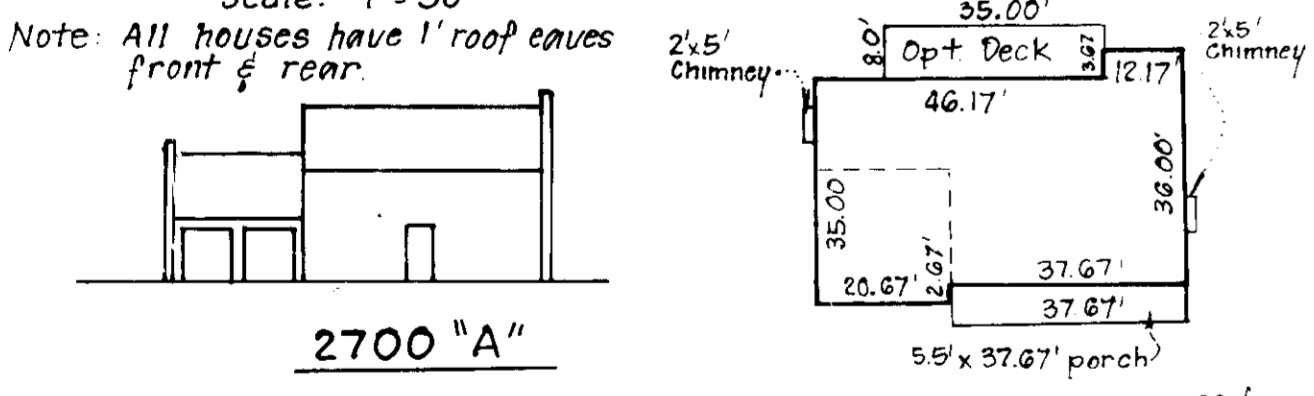
DRIVEWAY ABUTTING CLOSED SECTION WITHOUT CONCRETE SIDEWALK



DRIVEWAY ABUTTING CLOSED SECTION WITH STR 7" CURB, GUTTER & SIDEWALK SET BACK FROM CURB



TYPICAL HOUSES



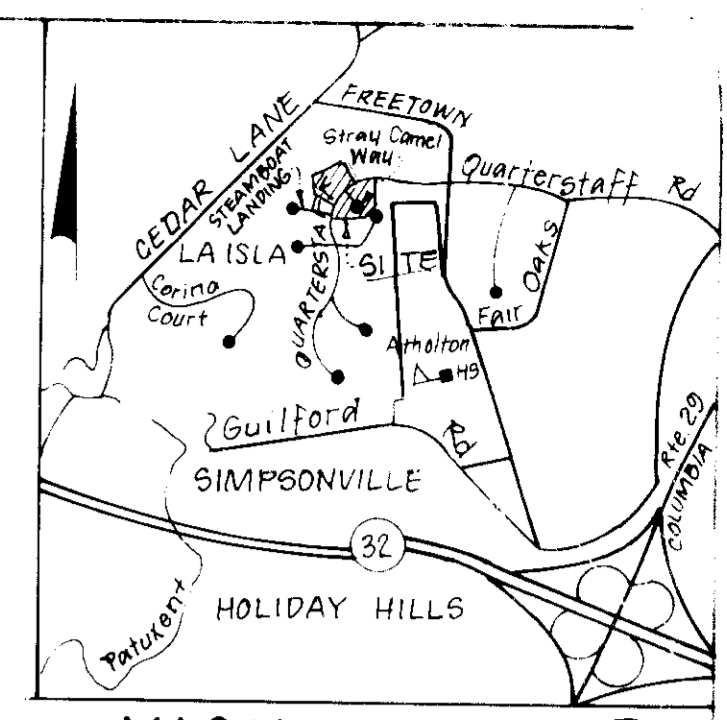
REV#	REVISION	DATE
1	Raise hse lot 4 as per rev SHC	4.20.90
2	APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS	
3	APPROVED FOR COMMUNITY PLANNING AND LAND DEVELOPMENT	9.4.90
4	APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE STORM DRAINAGE SYSTEMS AND PUBLIC UTILITIES	8/17/90



NOTE:
The information contained herein is the same as shown on previously approved SDF 90-148 with the following exceptions:
1. House types and grading have been revised on lots 3 & 4 for MARK BUILDERS. The sediment & erosion control measures, as previously approved, will not be affected, the grading is substantially the same as originally approved, the building setbacks comply with Howard County Zoning and Subdivision Regulations, and the lots have the same geometric configuration as shown on the respective recorded record plot.

LEGEND

- Contour Interval: 2 FT
- Existing Contour: -
- Proposed Contour: -
- Spot Elevation: -
- Location of Drainage: -
- Walk Out Basement: -
- EX Trees to be saved: -



VICINITY MAP
Scale 1"=200'

GENERAL NOTES

1. Subject property zoned NT and R-20 as per 8-2-85 Comprehensive Zoning Plan.
2. The coordinates shown hereon are based on the Maryland State Grid System & derived from the following Howard County Control Stations 2439001 & 244001.
3. The roadways are public.
4. Total area included in this submission 2.71 Ac.
5. Total number of lots: 7
6. Any damage to County-owned rights-of-way shall be corrected at the Developer's Expense.
7. Reference plans: S-86-115, P. & O. Case 243, WP 89-71 P. 89-76, F 90-97.
8. The contractor or developer shall contact the Construction Inspection Division 24 hours in advance of commencement of work at 792-2680.
9. The existing topography shown was taken from Road Construction Plans prepared by Whitman Regional Associates, F 90-97.
10. This subdivision is subject to Section 18 122 B of the Howard County Code.
11. Minimum building setback restrictions from property lines and the right-of-way of any public road of street to be in accordance with the recorded final development plan criteria phase 295 part I.
12. 10' Tree maintenance easement along all road frontages.
13. Stormwater Management provided for under F 90-97.

SPECIAL NOTES

1. All road construction storm drainage facilities and public water and sewer are shown for reference only. Use approved plans for all phases of construction.
2. The wetland buffer indicates on this SDF 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 & utilities is permitted.
3. No clearing, grading or construction activity is permitted within the required 25 foot wide wetlands buffer for lot 4.

LOT #	ADDRESS CHART
2	Quarterstaff Road
3	10024
4	10028 Quarterstaff Road
55	10022 Straw Camel Way
56	10006
57	10010
58	10009
59	10003 Straw Camel Way

NOTE: THIS SHEET IS INTENDED TO REPLACE SHEET 106 OF 2 AS ORIGINALLY APPROVED ON APRIL 25, 1990.

LOTS 3 & 4 FOR:
Mark Building Comm. Inc.
1301 York Road
Lutherville, Md. 21093

OWNER / DEVELOPER Howard Research & Development Land Co. 10275 Little Patuxent Pkwy Columbia, MD 21044	Subdivision Name: COLUMBIA Village of Hickory Ridge Plan No. 9341-9344 Block No. 17, 18 & 23 Water Code E79	Sec./Area 6 5 2.4 55-59 35 5 5	Tax Map No. 210-44 Elec. Dist. 5 Census Tr. 6053.02	Lots 24 55-59
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CLARK • FINEFROCK • SACKETT INC.
7135 MINISTREL WAY • COLUMBIA MD 21045 • (801) 381-7500 • BALTO. • (410) 621-8100

REVISED SITE DEVELOPMENT PLAN
LOTS 3-4, 55 THRU 59

COLUMBIA VILLAGE OF HICKORY RIDGE
SECTION 6 AREA 5
5th ELECTION DISTRICT
HOWARD COUNTY MARYLAND

For R.C. Builder Builders
11207 McGee Way
Columbia, MD 21043

SDF 90-148

PERMANENT SEEDING NOTES

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

Seeded 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 sq ft) and 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq ft) before seeding. Narrow or disc into upper three inches of soil. At time of seeding, apply 400 lbs per acre 0-0-0 ureaformaldehyde fertilizer (9 lbs/1000 sq ft).
- 2) Alternative - Apply 2 tons per acre dolomitic limestone (92 lbs/1000 sq ft) and 1000 lbs per acre 10-10-10 fertilizer (13 lbs/1000 sq ft) before seeding. Narrow 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 50 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 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 feet or higher, use 348 gal per acre (8 gal/1000 sq ft) for anchoring.

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

TEMPORARY SEEDING NOTES

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

Seeded 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 25 bushel per acre of annual rye (3.2 lbs/1000 sq ft). For the period May 1 thru August 15, 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 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.

1) A minimum of 24 hours notice must be given to the Howard County Office of Inspection and Permit 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 redistribution, permanent or temporary stabilization shall be completed within 7 calendar days for all perimeter sediment control structures, dikes, perimeter slopes and all slopes greater than 2:1. 14 days for 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 seeding (Sec. 13) and (Sec. 14), temporary seeding (Sec. 15) and mulching (Sec. 11). 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 Department of Inspection and Permit.

7) Site Analysis:

Total Area of Site	2.700 Acres
Area Disturbed	1.936 Acres
Area to be seeded or sowed	0.935 Acres
Area to be vegetatively stabilized	1.001 Acres
Total Cut	690,000 Cu. Yds
Total Fill	167,000 Cu. Yds

8) Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.

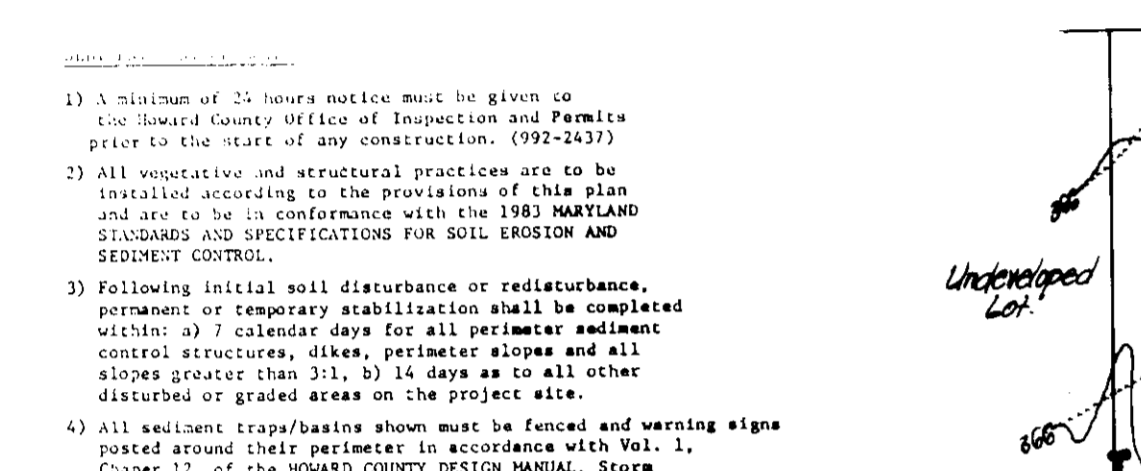
9) Additional sediment control must be provided, if deemed necessary by the Howard County Department of Inspection and Permit.

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. Obey building or grading inspection and approval as submitted until this initial approval by the inspection agency is made.

11) If houses are to be constructed on "hard" soils, at least one 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).

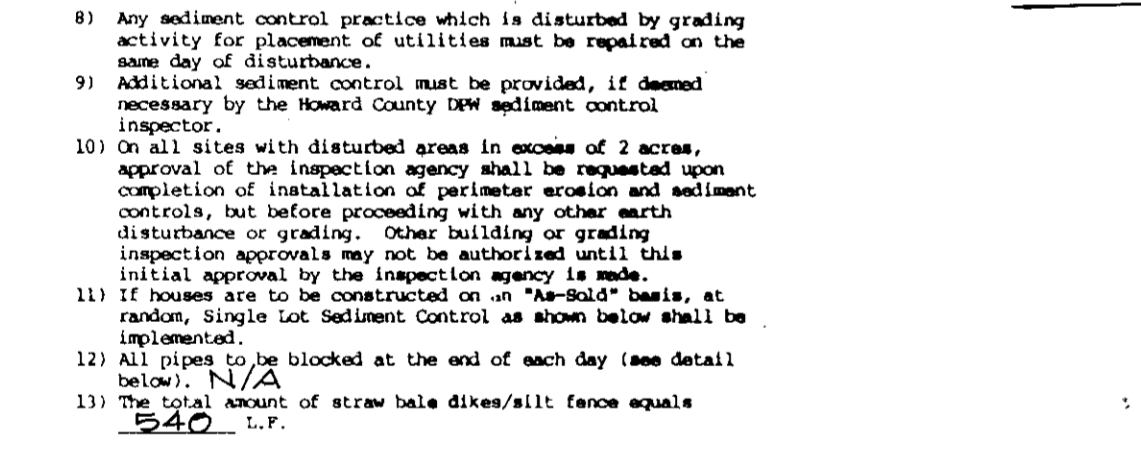
13) The minimum amount of straw bale dikes/silt fence walls shall be 240' L.F.



*** 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.**

LOT SIZE	NO. OF TRAPS	NO. OF SILENT	NO. OF SILENT
1/4 AC	1	1	1
1/2 AC	2	2	2
3/4 AC	3	3	3
1 AC	4	4	4
1 1/4 AC	5	5	5
1 1/2 AC	6	6	6
1 3/4 AC	7	7	7
2 AC	8	8	8
2 1/4 AC	9	9	9
2 1/2 AC	10	10	10
2 3/4 AC	11	11	11
3 AC	12	12	12
3 1/4 AC	13	13	13
3 1/2 AC	14	14	14
3 3/4 AC	15	15	15
4 AC	16	16	16
4 1/4 AC	17	17	17
4 1/2 AC	18	18	18
4 3/4 AC	19	19	19
5 AC	20	20	20
5 1/4 AC	21	21	21
5 1/2 AC	22	22	22
5 3/4 AC	23	23	23
6 AC	24	24	24
6 1/4 AC	25	25	25
6 1/2 AC	26	26	26
6 3/4 AC	27	27	27
7 AC	28	28	28
7 1/4 AC	29	29	29
7 1/2 AC	30	30	30
7 3/4 AC	31	31	31
8 AC	32	32	32
8 1/4 AC	33	33	33
8 1/2 AC	34	34	34
8 3/4 AC	35	35	35
9 AC	36	36	36
9 1/4 AC	37	37	37
9 1/2 AC	38	38	38
9 3/4 AC	39	39	39
10 AC	40	40	40

NOTE: + Combs adjusted in field, but permit area must be as given or greater.



CONSTRUCTION SEQUENCE:

Activity	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 Sids. & Specs.	30
E. Upon approval of the sediment control inspector, remove sediment and erosion controls and stabilize.	7

CONSTRUCTION SPECIFICATIONS:

1. All dikes shall be constructed by earth-moving equipment.
2. All dikes shall have minimum side slopes of 2:1. If disturbed, facilitate diking by construction methods.
3. The dike shall be constructed on a firm, stable subgrade. If the subgrade is not firm, it shall be stabilized before construction.
4. Earth dikes shall have an outlet that discharges into a stabilized ditch or trap. The outlet shall be constructed to prevent erosion and shall be approved by the inspection agency.
5. The outlet shall be constructed to prevent erosion and shall be approved by the inspection agency.
6. The outlet shall be constructed to prevent erosion and shall be approved by the inspection agency.
7. The outlet shall be constructed to prevent erosion and shall be approved by the inspection agency.

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT
4-25-90

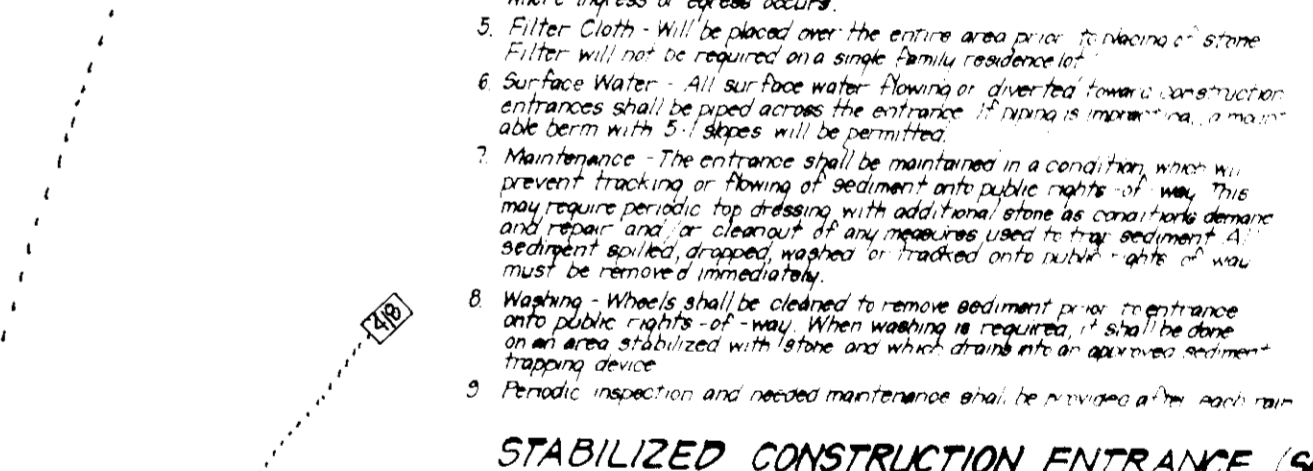
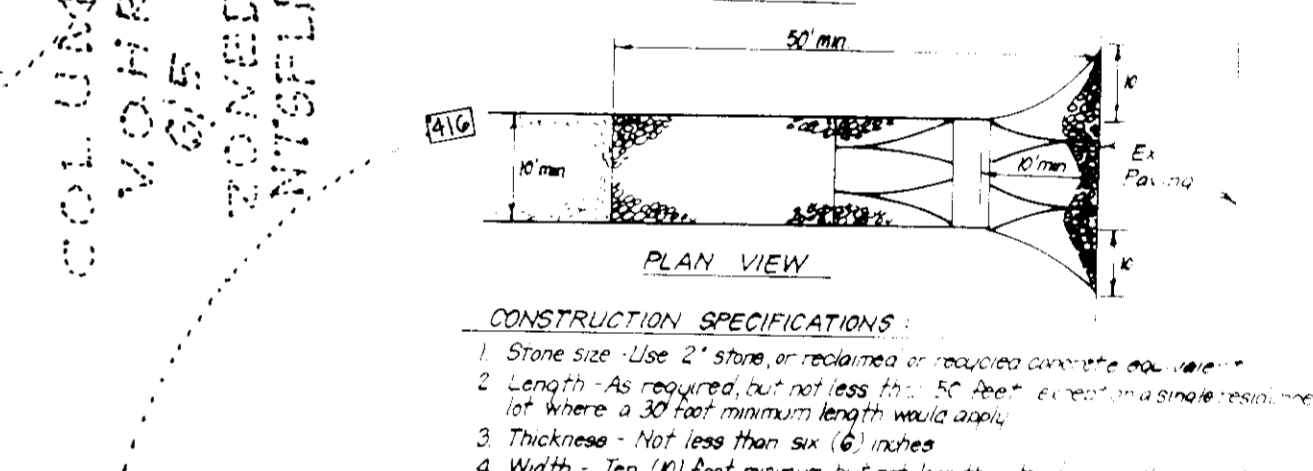
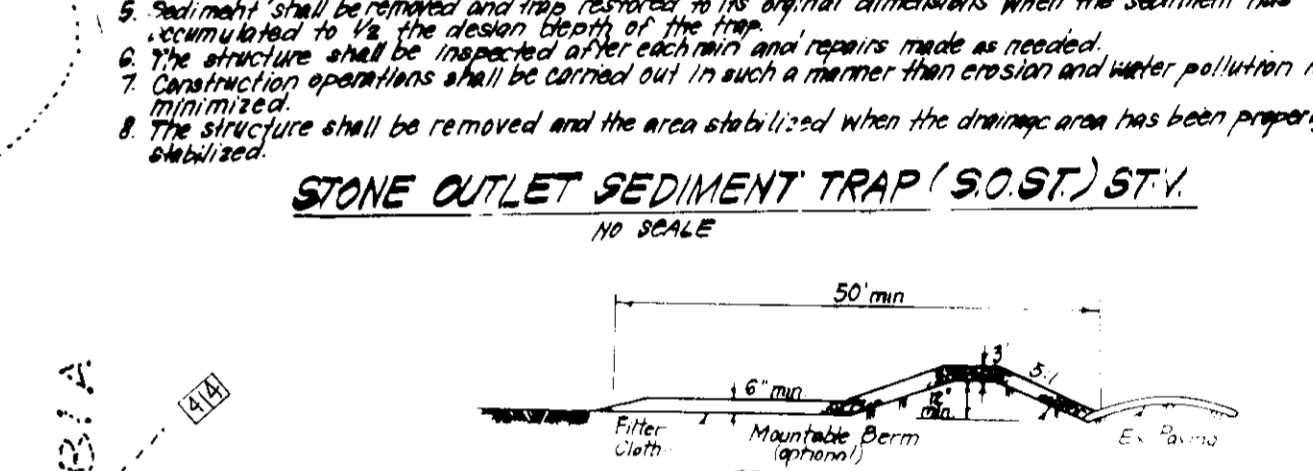
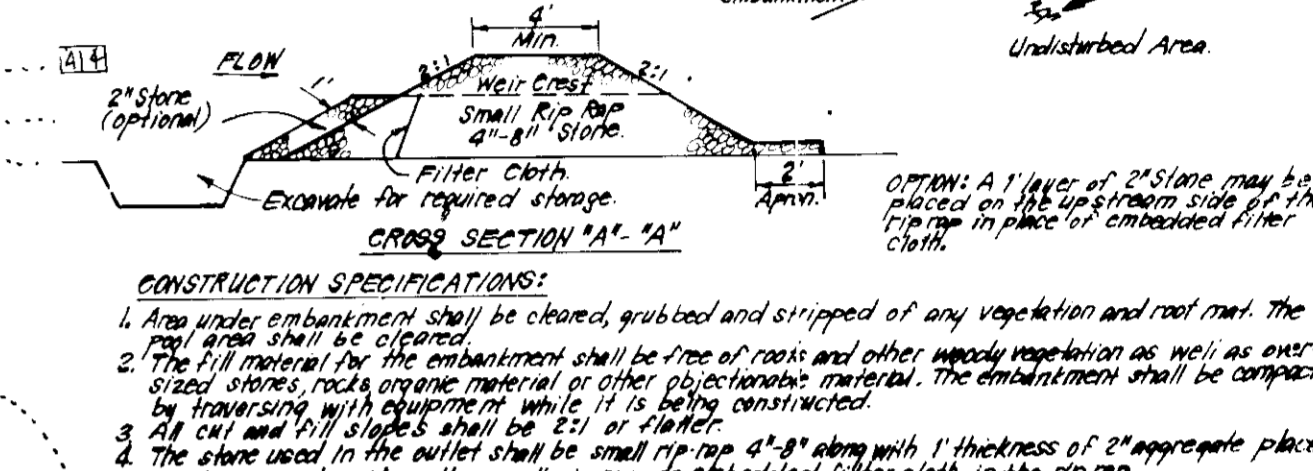
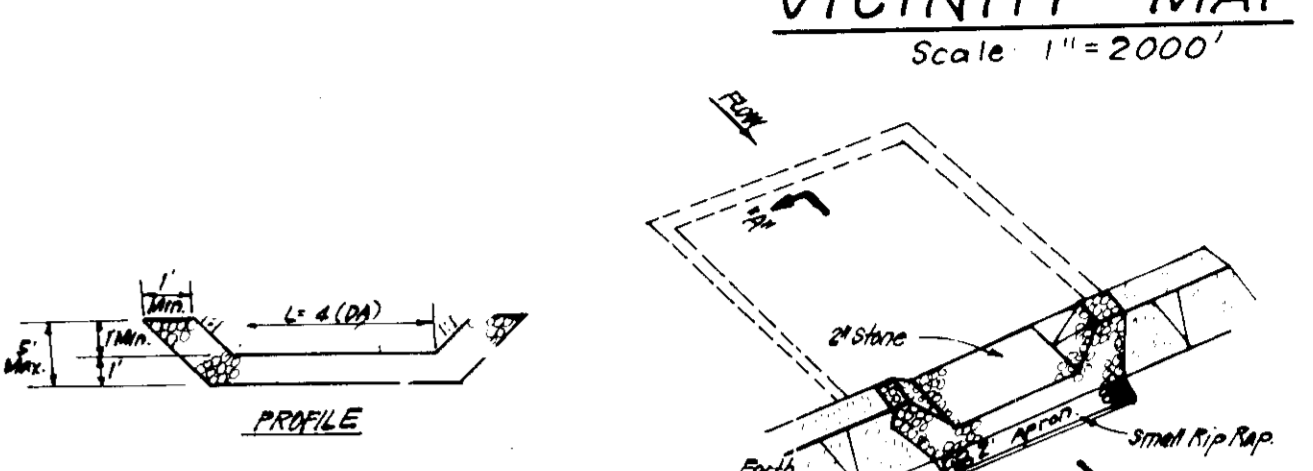
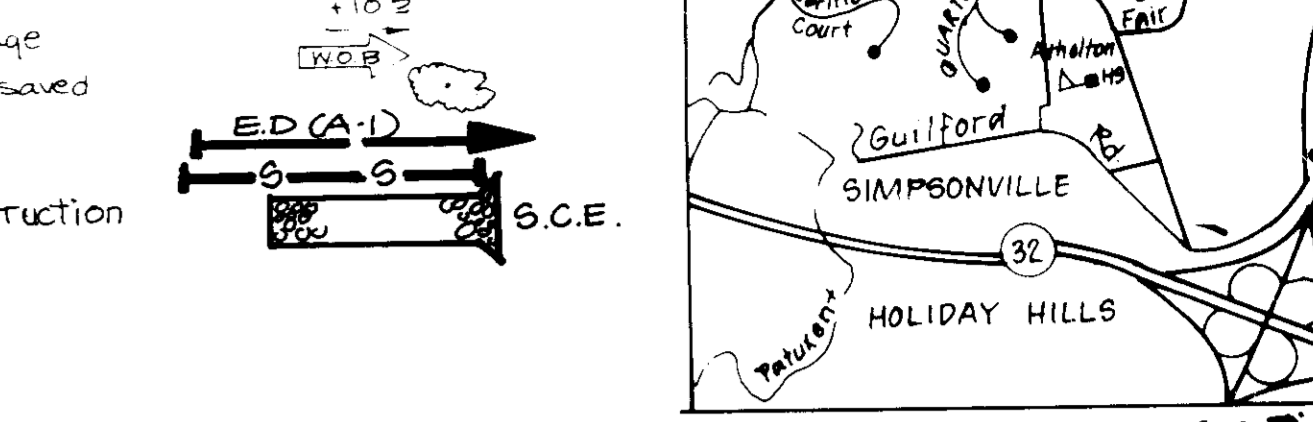
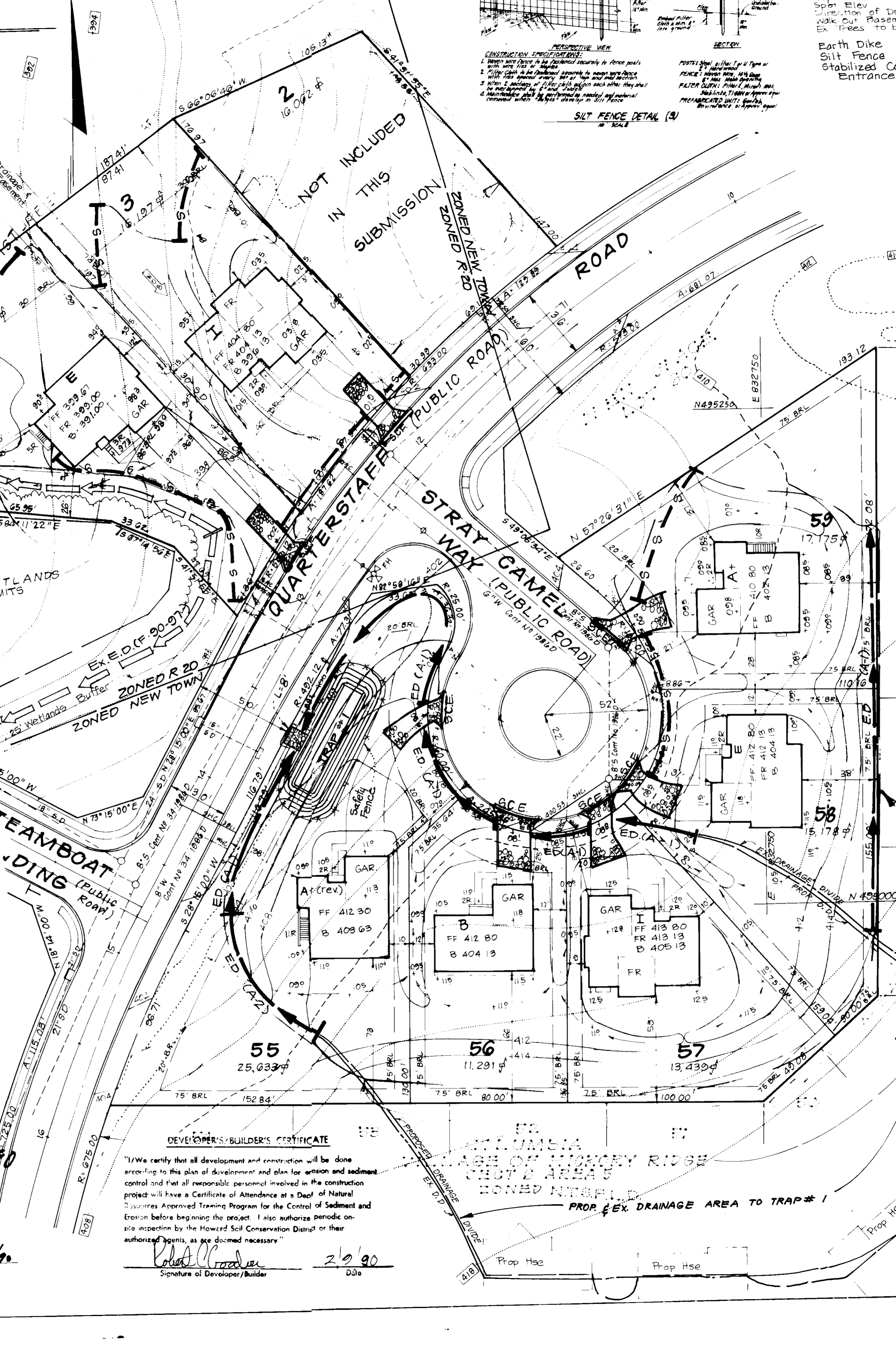
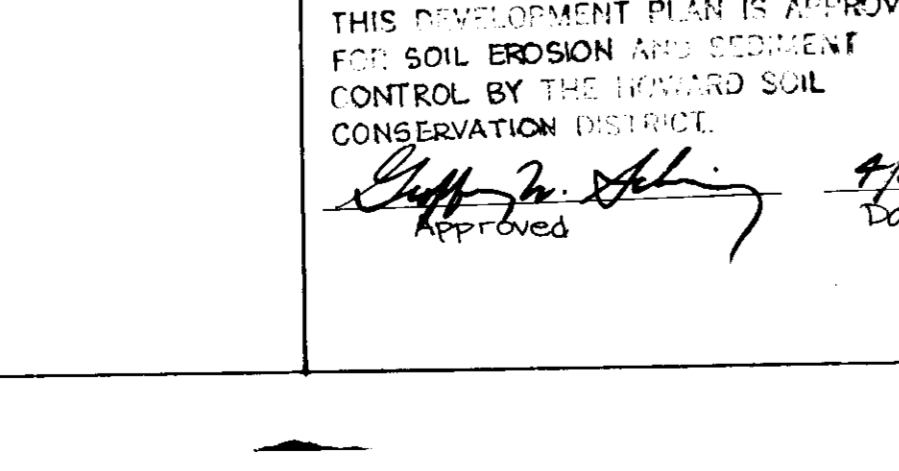
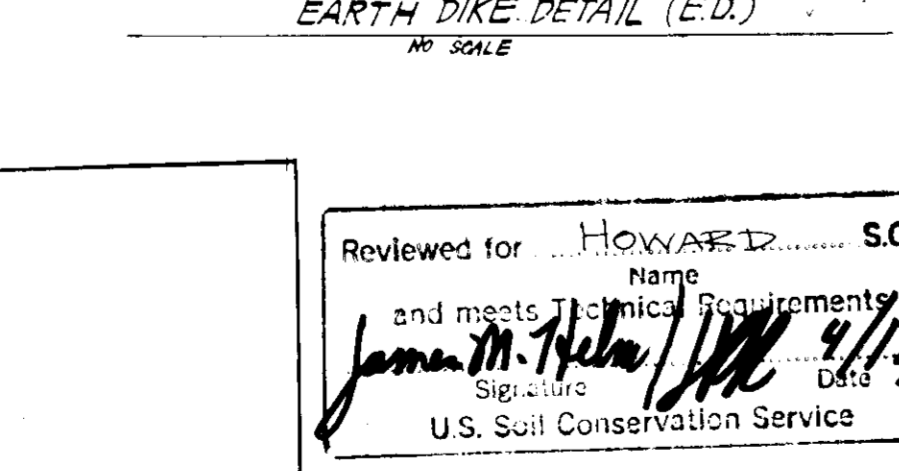
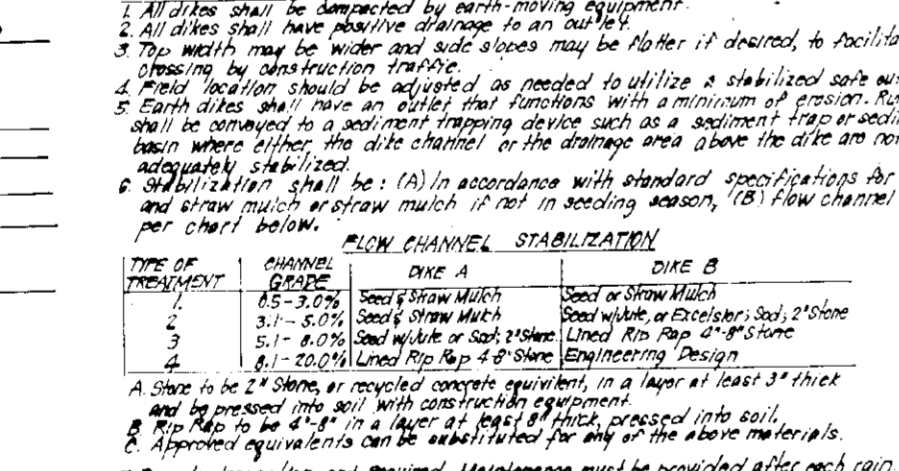
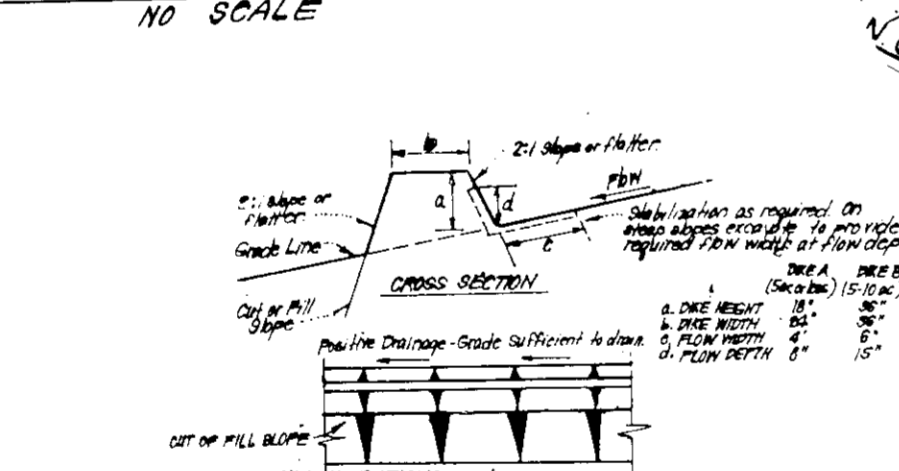
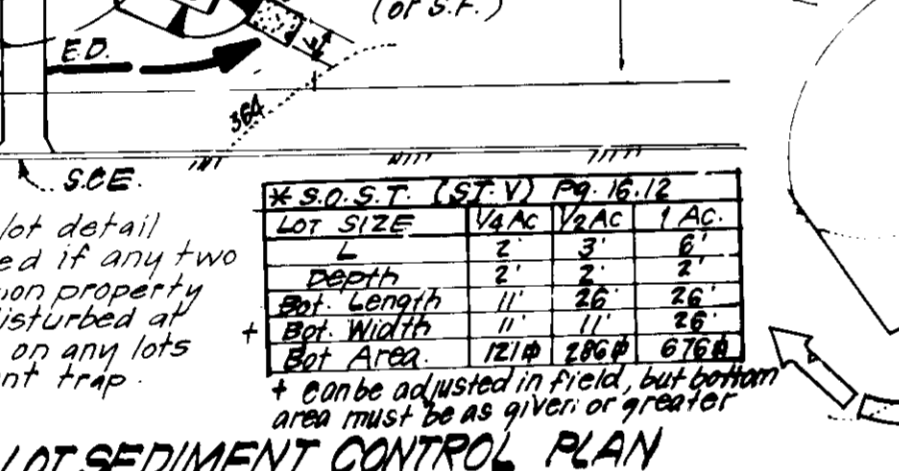
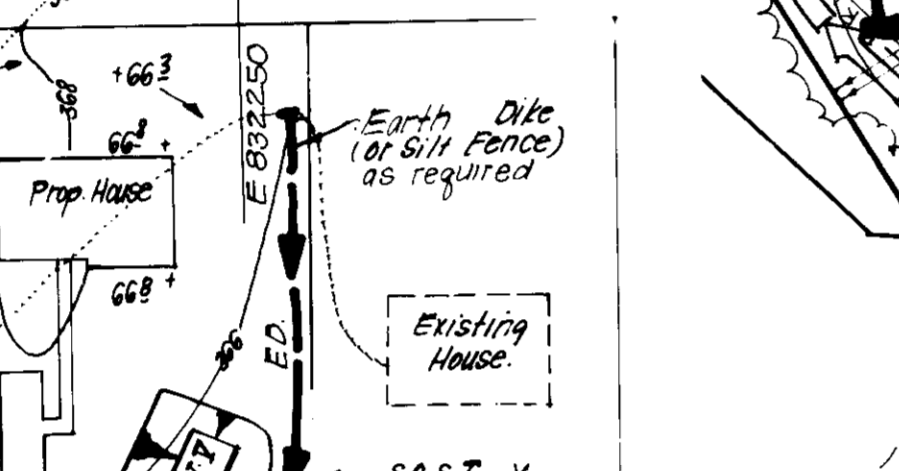
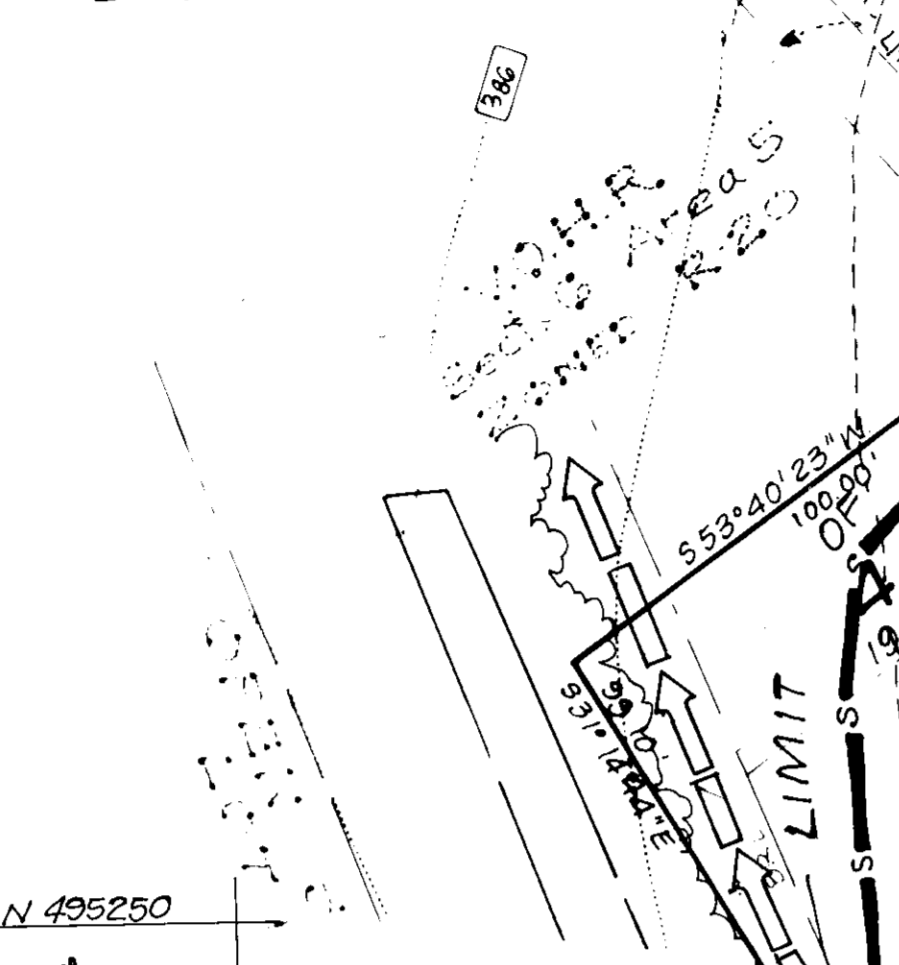
APPROVED FOR PLANNING & ZONING
4/25/90

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
4/23/90

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
4-23-90

TRAP#1 S.O.S.T. (STV)

DA: 1.8 Ac.
Storage Req'd: 3240 of
Depth: 2'00 of
Top of Stone Crest: 400.0
Bottom Elev.: 395.0
Clean Out Elev.: 397.0
Bottom Dimensions: 56'x10'
1:1 Side Slopes in cut
L = 8'



OWNER / DEVELOPER
Howard Research & Development Land Co.
10275 Little Patuxent Parkway
Columbia, MD 21044

Subdivision Name: COLUMBIA VILLAGE OF HICKORY RIDGE
Section: 6
Area: 5
Lots: 2-4 55-59

Plan No: SDP 90-248
Block No: 25
Zone: R-25
Tax Map No: 5
Elec. Dist: 5
Census Tr: 5

Water Code: I03
Sewer Code: G740000

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

7155 MINNIE LANE • COLUMBIA MD 21045 • (301) 981-7500 • BALTO. • (301) 621-8100

DESIGNED: K.I.W.M.
DRAWN: G.E.S. V.L.P.
CHECKED: K.I.W.M.

DATE: Feb 9, 1989

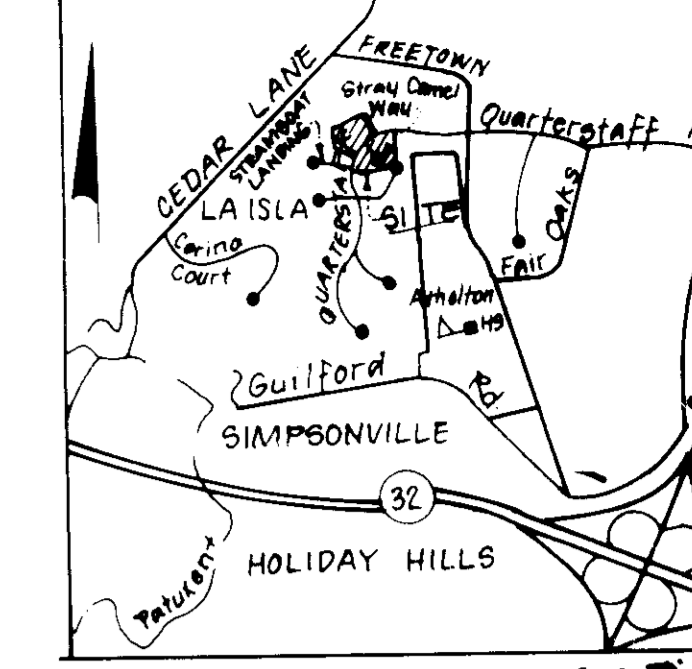
SEDIMENT AND EROSION CONTROL PLAN
LOTS 3-4, 55 thru 59

COLUMBIA VILLAGE OF HICKORY RIDGE
SECTION 6 AREA 5
HOWARD COUNTY, MARYLAND

For: R.O. Goodier Builders
11207 McGee Way
Ellicott City, Md 21043

SCALE: 1" = 30'
DRAWING: 2 of 2
JOB NO: 90-001
FILE NO: 90-018 SE

SDP 90-248



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 deemed necessary.

Signature of Developer/Builder: [Signature]
Date: 2/9/90

Reviewed for HOWARD COUNTY S.C.D. and meets technical requirements
James M. Helms 4/7/90
U.S. Soil Conservation Service

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
Signature of District Director: [Signature]
Date: 4/7/90