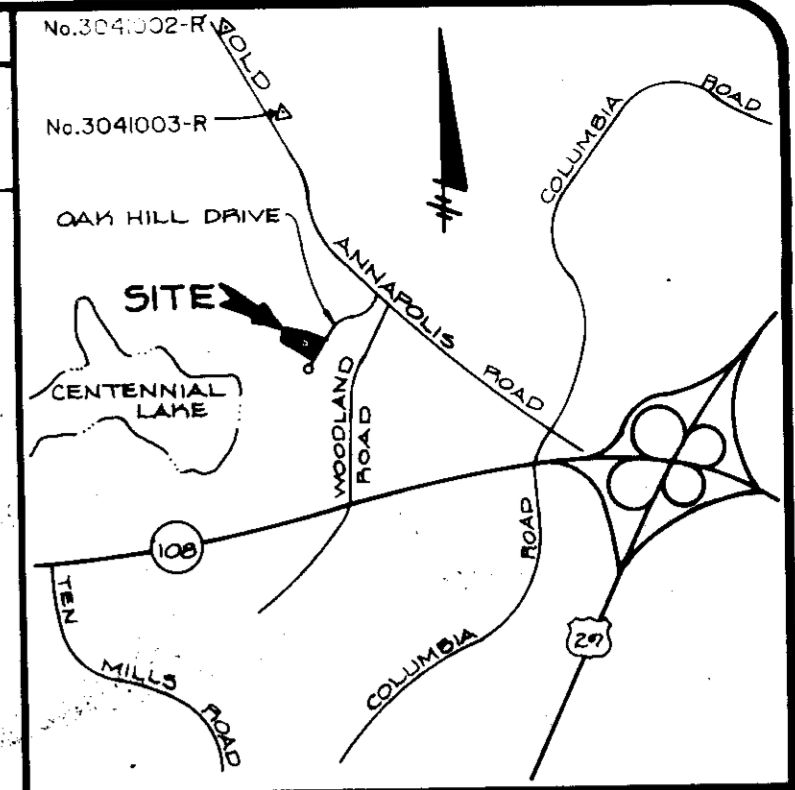
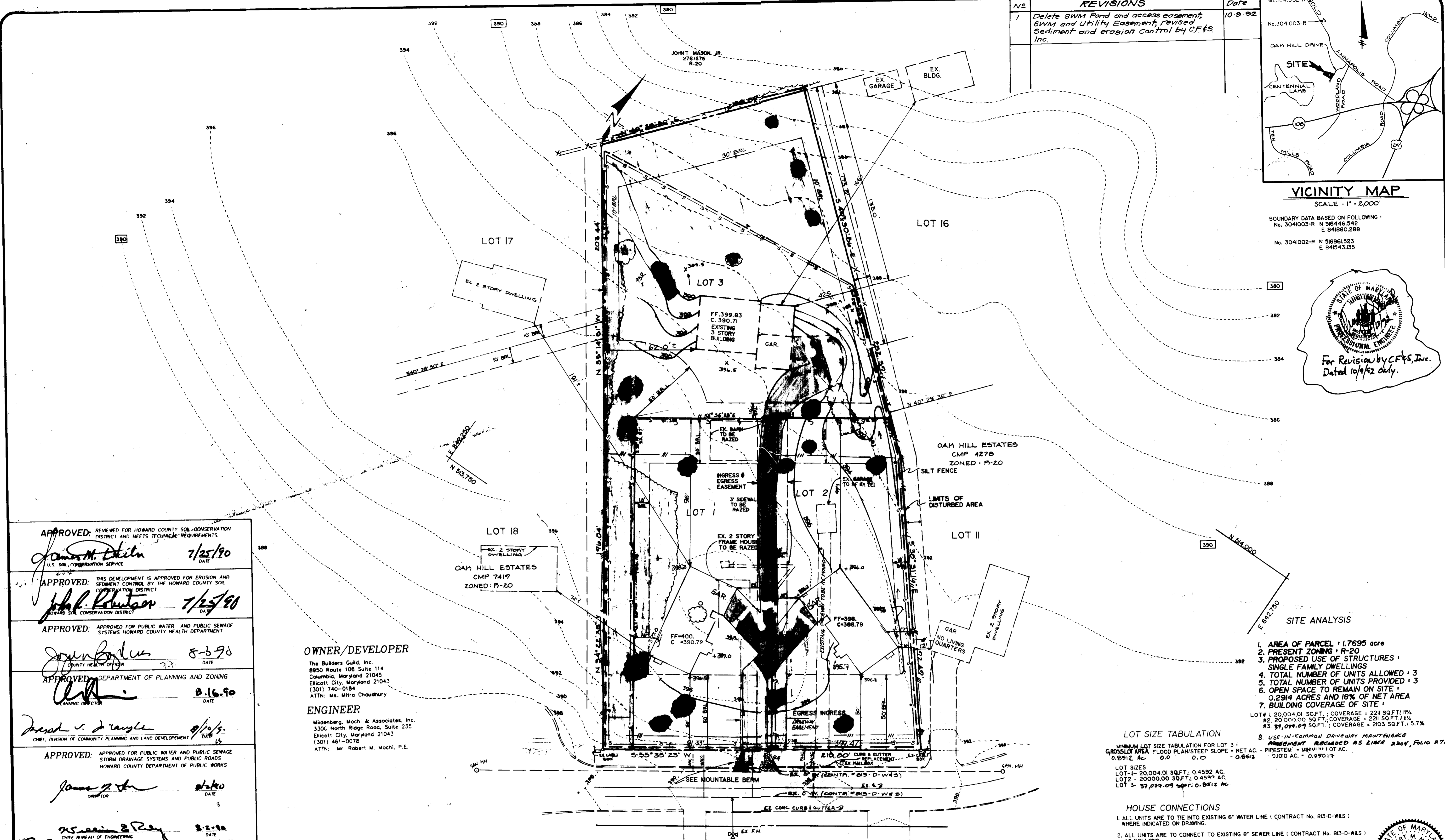
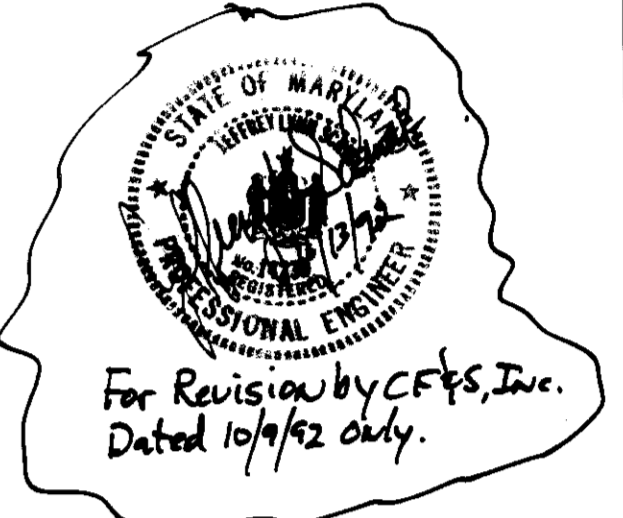


N2	REVISIONS	Date
1	Delete SWM Pond and access easement, SWM and Utility Easement, revised Sediment and erosion control by CFFS, Inc.	10-9-92



VICINITY MAP
SCALE: 1" = 2,000'
BOUNDARY DATA BASED ON FOLLOWING:
No. 3041003-R N 56446.542
E 841890.288
No. 3041002-R N 516961.523
E 841543.135



APPROVED: REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.
James M. DeLina 7/25/90
U.S. SOIL CONSERVATION SERVICE

APPROVED: THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.
John P. Robinson 7/25/90
HOWARD COUNTY SOIL CONSERVATION DISTRICT

APPROVED: APPROVED FOR PUBLIC WATER AND PUBLIC SEWAGE SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT
John F. Adams 8-3-90
COUNTY HEALTH OFFICER

APPROVED: DEPARTMENT OF PLANNING AND ZONING
[Signature] 8-16-90
PLANNING DIRECTOR

APPROVED: APPROVED FOR PUBLIC WATER AND PUBLIC SEWAGE STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
James P. [Signature] 8/2/90
DIRECTOR

APPROVED: APPROVED FOR PUBLIC WATER AND PUBLIC SEWAGE STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
James P. [Signature] 8-2-90
DATE

OWNER/DEVELOPER
The Builders Guild, Inc.
8950 Route 108 Suite 114
Columbia, Maryland 21045
(301) 740-0184
ATTN: Ms. Mitra Choudhury

ENGINEER
Mildenberg, Mochi & Associates, Inc.
3300 North Ridge Road, Suite 235
Ellicott City, Maryland 21043
(301) 461-0076
ATTN: Mr. Robert M. Mochi, P.E.

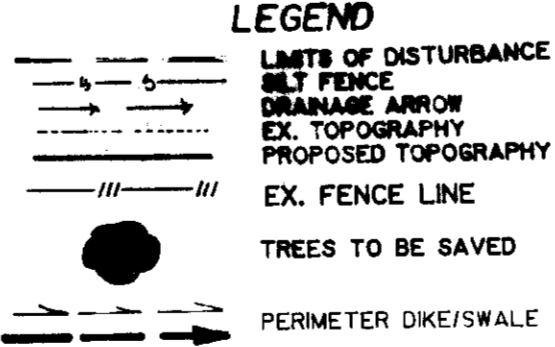
- SITE ANALYSIS**
- AREA OF PARCEL: 1.7695 acre
 - PRESENT ZONING: R-20
 - PROPOSED USE OF STRUCTURES: SINGLE FAMILY DWELLINGS
 - TOTAL NUMBER OF UNITS ALLOWED: 3
 - TOTAL NUMBER OF UNITS PROVIDED: 3
 - OPEN SPACE TO REMAIN ON SITE: 0.2914 ACRES AND 18% OF NET AREA
 - BUILDING COVERAGE OF SITE:
 - LOT 1: 20,004.01 SQ.FT.; COVERAGE = 22% SQ.FT./1%
 - LOT 2: 20,000.00 SQ.FT.; COVERAGE = 22% SQ.FT./1%
 - LOT 3: 57,099.07 SQ.FT.; COVERAGE = 20% SQ.FT./1.57%
 - USE-IN-COMMON DRIVEWAY MAINTENANCE AGREEMENT RECORDED AS INSTRUMENT 2004, FOLIO 871.

LOT SIZE TABULATION

MINIMUM LOT SIZE TABULATION FOR LOT 3:
GROSS AREA: FLOOD PLAN/STEEP SLOPE = NET AC. - PPESTEM = MINIMUM LOT AC.
0.8512 AC. 0.0 0.0 0.8512

LOT SIZES:
LOT 1- 20,004.01 SQ.FT.; 0.4592 AC.
LOT 2- 20,000.00 SQ.FT.; 0.4589 AC.
LOT 3- 57,099.07 SQ.FT.; 0.8512 AC.

- HOUSE CONNECTIONS**
- ALL UNITS ARE TO TIE INTO EXISTING 6" WATER LINE (CONTRACT No. 813-D-W&S) WHERE INDICATED ON DRAWING.
 - ALL UNITS ARE TO CONNECT TO EXISTING 8" SEWER LINE (CONTRACT No. 813-D-W&S) AS FOLLOWS:
 - LOT 1 MANHOLE STA. 1+75, INV. 372.00
 - LOT 2 MANHOLE STA. 1+25, INV. 371.69
 - LOT 3 MANHOLE STA. 2+48 INV. 372.45



OAK HILL DRIVE
(EXISTING 50' R/W)
29' PAVING

ADDRESS CHART

LOT NUMBER	STREET ADDRESS
1	9712 OAK HILL DRIVE
2	9704 OAK HILL DRIVE
3	9708 OAK HILL DRIVE

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 County Soil Conservation District.
Robert M. Mochi 7-16-90
Date

DEVELOPER'S CERTIFICATE
I/We certify that all development and construction will be done in accordance with this plan of development and plan for erosion and sediment control and that all responsible personnel involved in the construction of this project will have certificate of attendance at a Department of Natural Resources approved training program for the control of sediment and erosion before beginning the project. I also authorize periodic onsite inspection by the Howard County Soil Conservation District or their authorized agents, as are deemed necessary.
Mitra Choudhury 11/2/90
Date

PERMIT INFORMATION BLOCK

SUBDIVISION NAME	SECT./AREA	LOTS/PARCEL
LAWRENCE PARCEL		1-3
PLAT # OR L/F	BLOCK #	ZONE
9401	3	R-20
TAX/ZONE MAP	ELDC. DIST.	CENSUS TR.
30	2nd	6023.01
WATER CODE	SEWER CODE	
F-10	5F40500	

SITE DEVELOPMENT AND SEDIMENT CONTROL PLAN
LAWRENCE PARCEL
LOTS 1-3 PARCEL II
TAX MAP 30
2nd ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
SCALE: 1" = 30'
CURRENT ZONING: R-20
FINAL PLAN: F-89-151
L/F-19771573, LOTS 1-3
SDP-90-17

PROJECT	DATE	DESCRIPTION
59055000	7/14/89	engineering
		DRR/RFB
		approval
		scale
		1" = 30'
		RRM

NO.	DATE	DESCRIPTION
1	7/13/90	REVISED PER DPZ COMMENTS
2	9/13/90	REVISED ACCORDING TO APPROVAL LETTER
3	7/15/92	0 FIRST SUBMITTAL TO HOWARD COUNTY DPZ

LOTS 1-3
LAWRENCE PARCEL
CURRENT ZONING: R-20
2nd ELECTION DISTRICT, HOWARD COUNTY, MARYLAND
SITE DEVELOPMENT & SEDIMENT CONTROL PLAN

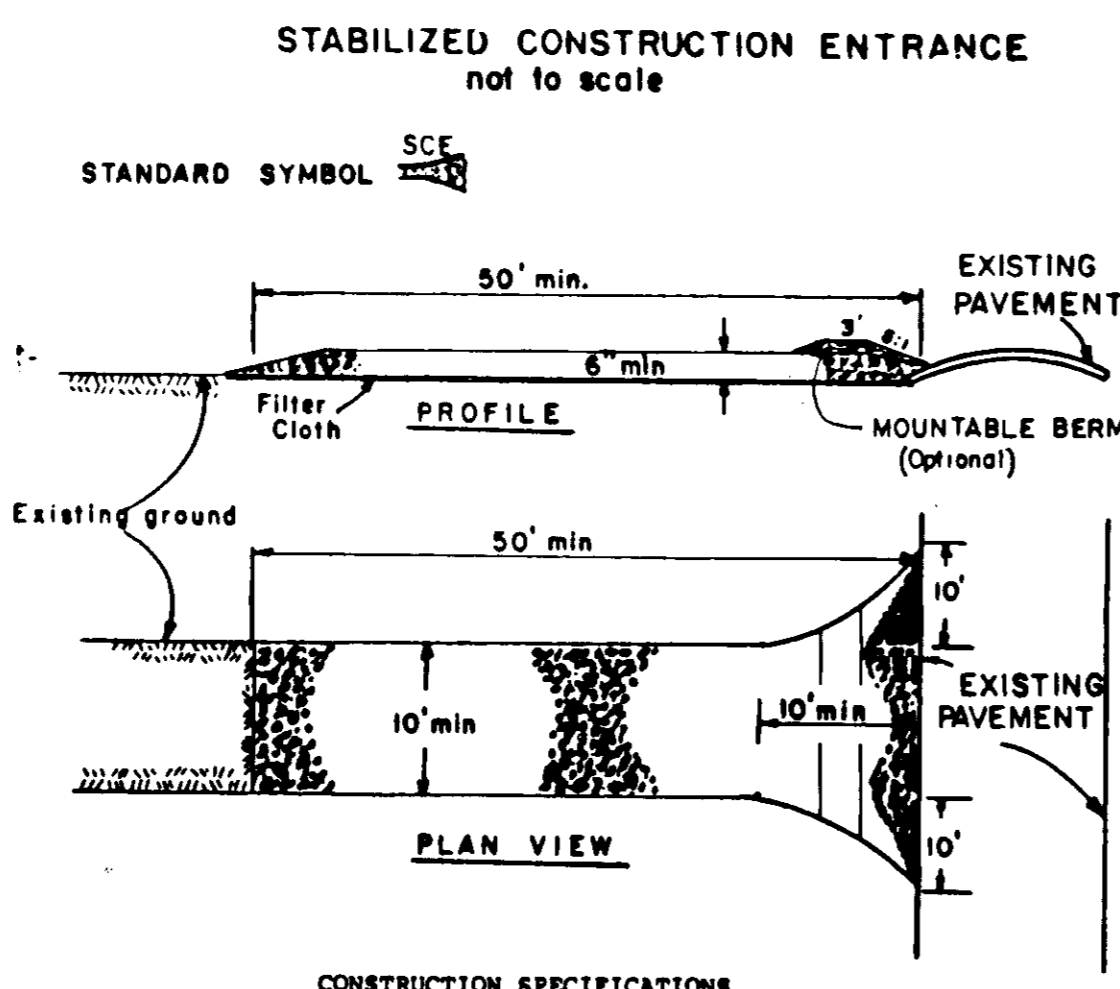
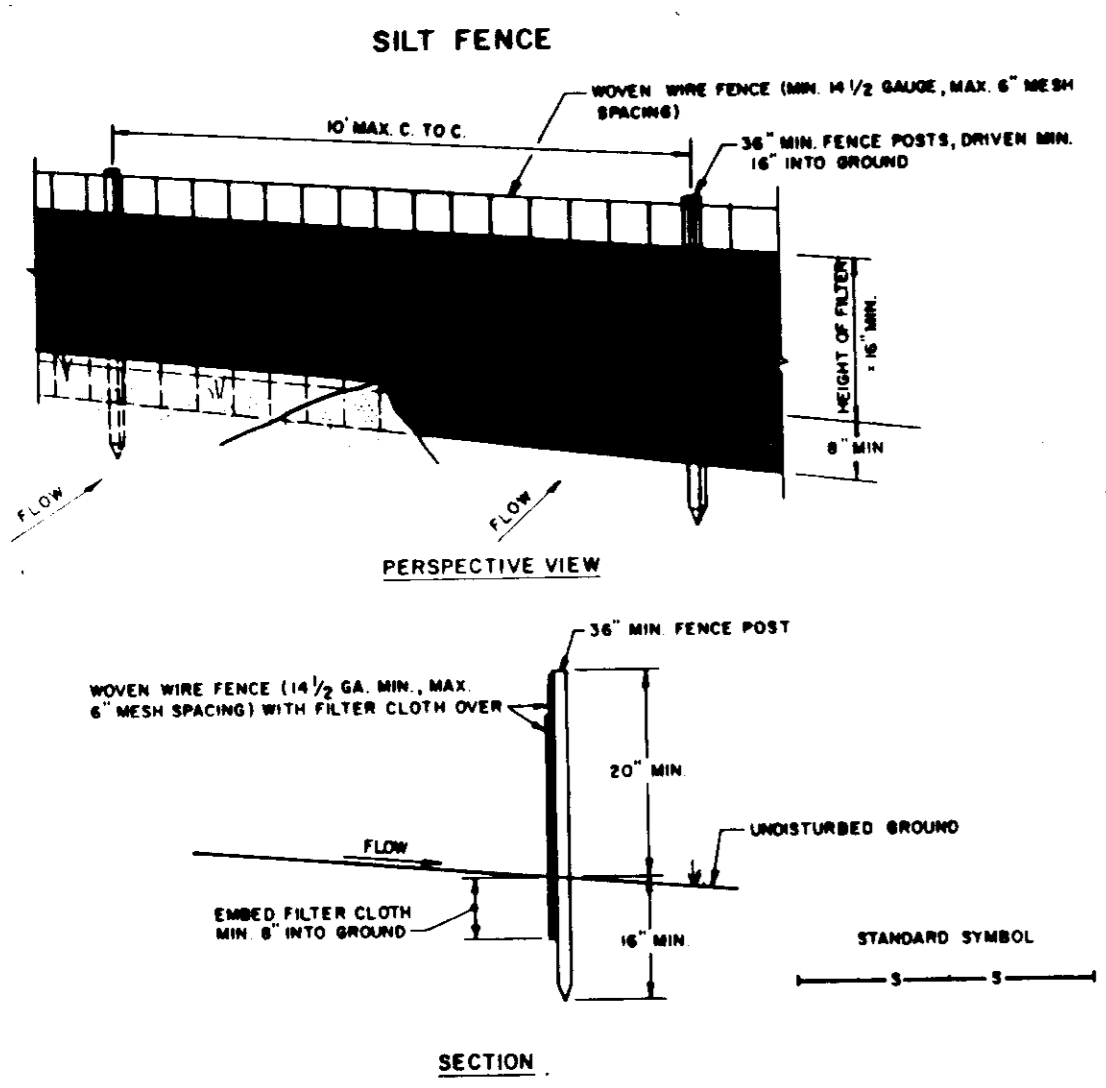
MILDENBERG, MOCHI & ASSOCIATES, INC.
ENGINEERS • SURVEYORS • PLANNERS
3300 North Ridge Road, Suite 235, Ellicott City, Maryland 21043-3350
D.C. Metro: (301) 821-5788
(301) 461-0076

PROJECT	DATE	APPROVAL
89055.00	7/14/89	Engineering
Illustration	7/19/90	DRR/IRB
DRR/MDG	9/18/89	Scale
Scale	1"=10'	Approval
NONE		RWM

2 Revised per D.R.Z. Comments
1 Revised according to approved letter
0 FIRST SUBMITTAL TO HOWARD COUNTY DPZ
DATE

LAWRENCE PARCEL
CURRENT ZONING: R-20
TAX MAP 30
2nd ELECTION DISTRICT, HOWARD COUNTY
MARYLAND

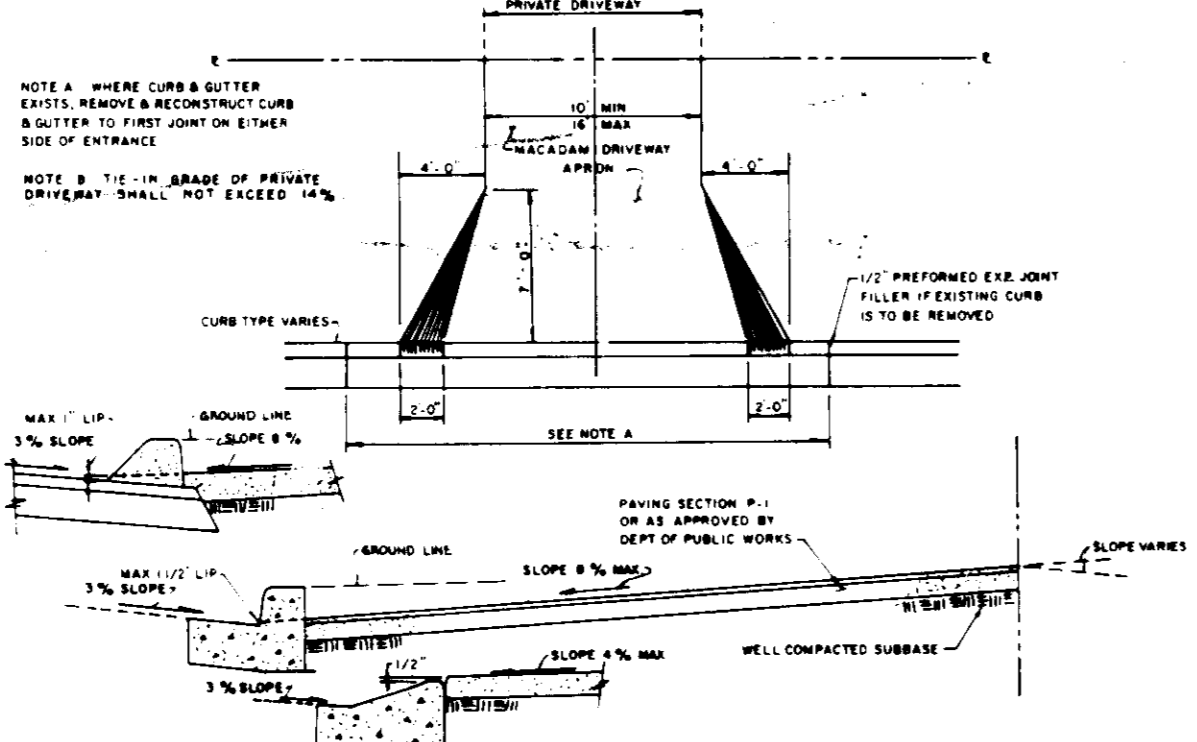
SITE DEVELOPMENT & SEDIMENT CONTROL PLAN
M. M. & S. S. ENGINEERS, INC.
3300 North Ridge Road, Suite 202, Ellicott City, Maryland 21043-3300
(301) 461-0000



- CONSTRUCTION SPECIFICATIONS**
1. Stone Size - Use 2" stone, or reclaimed or recycled concrete equivalent.
 2. Length - As required, but not less than 50 feet (except on a single residence lot where a 30' foot minimum length would apply).
 3. Thickness - Not less than six (6) inches.
 4. Width - Ten (10) foot minimum, but not less than the full width at points where ingress or egress occurs.
 5. Filter Cloth - Will be placed over the entire area prior to placing of stone. Filter will not be required on a single family residence lot.
 6. Surface Water - All surface water flowing or diverted toward construction entrances shall be piped across the entrance. If piping is impractical, a mountable berm with 5:1 slope will be permitted.
 7. Maintenance - The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment onto public rights-of-way. This may require periodic top dressing with additional stone as conditions demand and repair and/or cleanout of any measures used to trap sediment. All sediment spilled, dropped, or tracked onto public rights-of-way must be removed immediately.
 8. Washing - Wheels shall be cleaned to remove sediment prior to entrance onto public rights-of-way. When washing is required, it shall be done on an area stabilized with stone and which drains into an approved sediment trapping device.
 9. Periodic inspection and needed maintenance shall be provided after each rain.

CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

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 TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.
 4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN MOUNDS DEVELOP IN THE SILT FENCE.
- POSTS: STEEL EITHER T OR U TYPE OR 2" HARDWOOD
FENCE: WOVEN WIRE, 1/4" GA. 6" MAX. MESH OPENING
FILTER CLOTH: FILTER X, MIRAFLOON, STABILINK 1100N OR APPROVED EQUAL
PREFABRICATED UNIT: GEOFAB, CIVIREFENCE, OR APPROVED EQUAL



SEQUENCE OF CONSTRUCTION

1. Obtain grading permit
2. Notify sediment control division 48hrs. prior to start of operation.
3. Construct stabilized construction entrance, with mountable berm.
4. Clear & grub by enough to allow construction of silt fences.
5. Construct silt fences.
6. Clear & grub areas to be graded for construction.
7. Excavate for foundations and construct houses.
8. Fine grade and construct driveways and walks.
9. Stabilize all disturbed areas on site in accordance with plans and specs.
10. Upon approval of the sediment control inspector remove sediment and erosion control measures and stabilize.

TEMPORARY SEEDING NOTES

Apply to graded or cleared areas likely to be redisturbed 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 sf)

Seeding: For periods March 1 through April 30 and from August 15 through November 15, seed with 2-1/2 bushel per acre of annual rye (3.2 lbs/1000 sf) For the period May 1 through August 14, seed with 3 lbs per acre of Weeping Lovegrass (0.07 lbs/1000 sf). For the period November 16 through 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 sf) 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 sf) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 748 gallons per acre (6 gal/1000 sf) for anchoring.

Refer to the 1983 Maryland Standards and Specifications for Soil Erosion and Sediment Control for rate and methods not covered.

SEDIMENT CONTROL NOTES

1. A minimum of 24 hours notice must be given to the Howard County Office of Inspections and Permits prior to the start of any construction. (492-2437)
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 disturbances 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 calendar days as to all other disturbed or graded areas on the project site.
4. 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.
5. 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.
6. Site Analysis:
TOTAL AREA OF SITE: 1.7695 Ac.
AREA TO BE UNDISTURBED: 1.2397 Ac.
AREA TO BE ROOFED OR PAVED: 0.2531 Ac.
AREA TO BE VEGETATIVELY STABILIZED: 1.5690 Ac.
TOTAL CUT: 167 C.Y.
TOTAL FILL: 1676 C.Y.
OFF-SITE WASTE/BORROW AREA LOCATION IS N/A
7. Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
8. Additional sediment controls must be provided, if deemed necessary by the Howard County EFW Sediment Control Inspector.
9. Quantities & estimated shown are for sediment control purposes only. Contractor shall prepare his own quantity estimate to his satisfaction.

PERMANENT SEEDING NOTES

Apply to graded or cleared area 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 the following schedule:

- 1) Preferred - Apply 2 tons per acre dolomitic limestone (92 lbs/1000 sf) and 1000 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sf) 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 sf)
- 2) Acceptable - Apply 2 tons per acre dolomitic limestone (92 lbs/1000 sf) and 1000 lbs per acre 10-10-10 fertilizer (25 lbs/1000 sf) before seeding. Harrow or disc into upper three inches of soil.

Seeding: For the periods March 1 through April 30 and August 1 through October 15, seed with 60 lbs per acre (14 lbs/1000 sf) of Kentucky 31 Tall Fescue. For the period May 1 through July 31, seed with 60 lbs Kentucky 31 Tall Fescue per acre and 2 lbs per acre (0.05 lbs/1000 sf) of Weeping Lovegrass. During the period of October 16 through 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 sf) 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 sf) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 748 gallons per acre (6 gal/1000 sf) for anchoring.

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

OWNER/DEVELOPER

The Builders Guild, Inc.
8950 Route 108 Suite 114
Columbia, Maryland 21045
Ellicott City, Maryland 21043
(301) 461-0184
ATTN: Ms. Mitra Chaudhry

ENGINEER

Mildenberg, Muchi & Associates, Inc.
3300 North Ridge Road, Suite 225
Ellicott City, Maryland 21043
(301) 461-0000
ATTN: Mr. Robert M. Mochi, P.E.

PLAN APPROVAL STAMP



APPROVED: REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.
James M. Helms 7/25/90
DATE
S. SOIL CONSERVATION SERVICE

APPROVED: THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.
John P. Helms 7/25/90
DATE
HOWARD COUNTY SOIL CONSERVATION DISTRICT

APPROVED: APPROVED FOR PUBLIC WATER AND PUBLIC SEWAGE SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT
Josiah Boyles 8-3-90
DATE
COUNTY HEALTH OFFICES

APPROVED: DEPARTMENT OF PLANNING AND ZONING
Chris 8.16.90
DATE
PLANNING DIRECTOR

Frank A. Langley 8/16/90
DATE
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT

APPROVED: APPROVED FOR PUBLIC WATER AND PUBLIC SEWAGE STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
James J. Helms 8/2/90
DATE
DIRECTOR

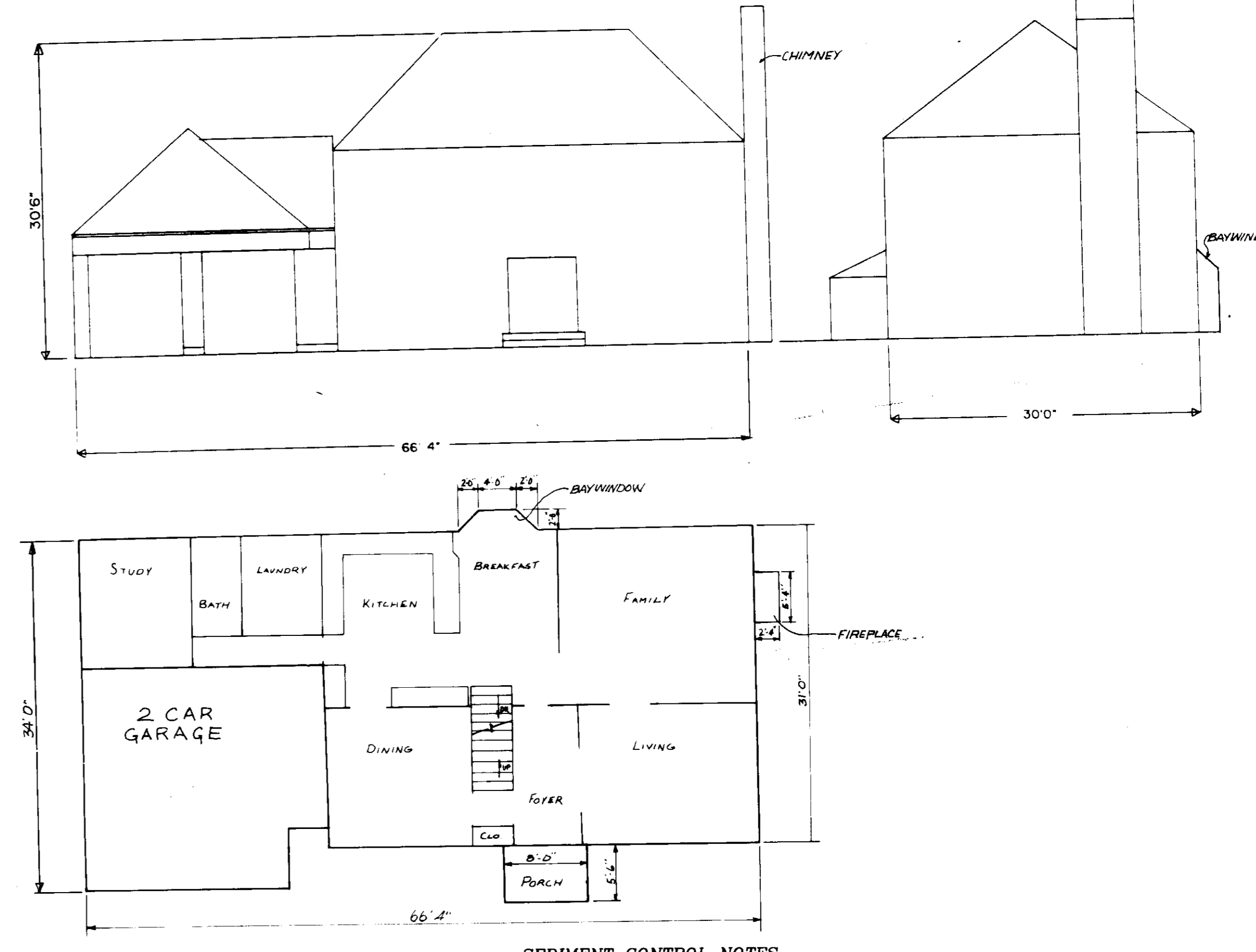
James J. Helms 8-2-90
DATE
CHIEF, BUREAU OF ENGINEERING

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 County Soil Conservation District.
Robert M. Mochi, P.E. 7-17-90
Date

DEVELOPER'S CERTIFICATE
I/We certify that all development and construction will be done in accordance with this plan of development and plan for erosion and sediment control and that all responsible personnel involved in the construction of this project will have a certificate of attendance at a Department of Natural Resources approved training program for the control of sediment and erosion before beginning the project. I also authorize periodic, onsite inspection by the Howard County Soil Conservation District or their authorized agents, as are deemed necessary.
Mitra Chaudhry 7/12/90
Date
Signature of Developer

By C.F.S. Inc.
Delete Perimeter Dike/Swale Detail, rev. constr. seq. 10-9-92
Date

LOTS 1 @ 2 TYPICAL
THE BUILDERS GUILD INC.
MODEL No. 6434TS
scale 1"=10'



SUBDIVISION NAME				PERMIT INFORMATION BLOCK			
PLAT-OR LIF	BLOCK	ZONE	TAX/ZONE MAP	ELDC. DIST	CENSUS TR.	SEWER CODE	LOT/SIPARCEL
9401	3	R-20	30	2nd	6023.01	5F40300	1-3

SITE DEVELOPMENT AND SEDIMENT CONTROL PLAN
LAWRENCE PARCEL
LOTS 1-3 PARCEL #
TAX MAP 30 PART OF PARCEL 368
2nd ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
SCALE: 1"=30'
CURRENT ZONING: R-20
FINAL PLAN: F-89-191