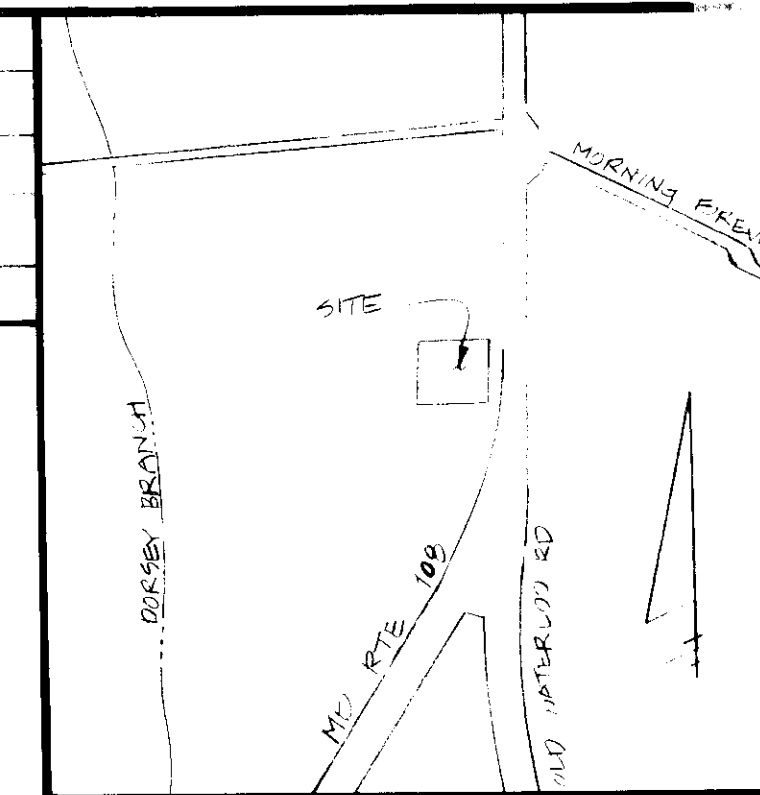


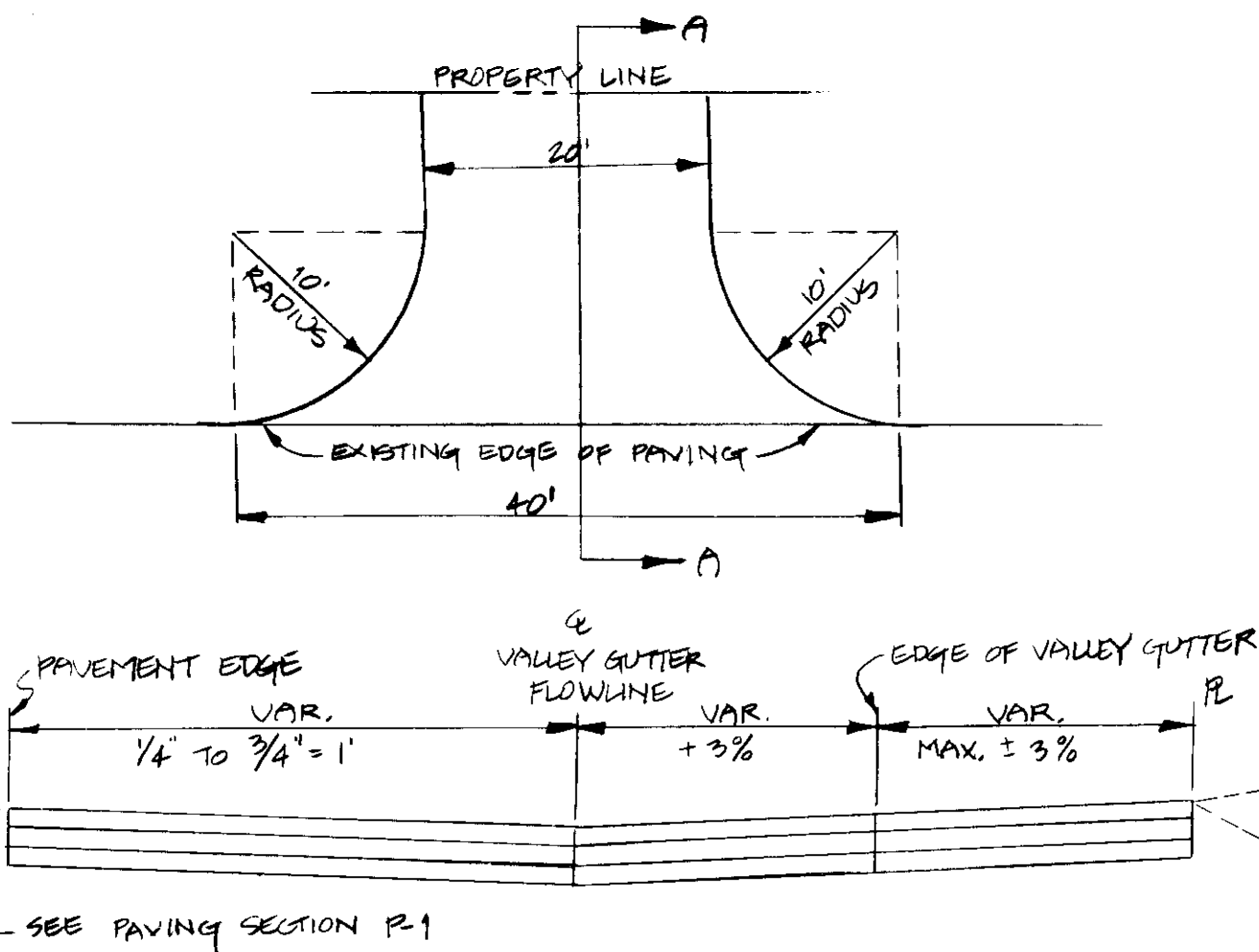
SECTION NUMBER	ROAD AND STREET CLASSIFICATION	PAVEMENT MATERIALS GRANULAR BASE ALTERNATE
B-1	PARKING AREAS AND TRAVELWAYS; APARTMENTS AND COMMERCIAL/INDUSTRIAL ZONES WITH NO HEAVY TRUCKS	

LOT 2 AREA TABULATION				
REGIONS AREA	AREA OF APPEAL	NET AREA	AREA OF FLOODPLAIN	AREA OF STEEP SLOPE
13,799.0 #	1,789.0 #	12,010.0 #	0	28%

ADDRESS CHART	
LOT NUMBER	STREET ADDRESS
1	6360 WATERLOO RD (R/S 100)
2	6364 WATERLOO RD (R/S 100)
3	6368 WATERLOO RD (R/S 100)

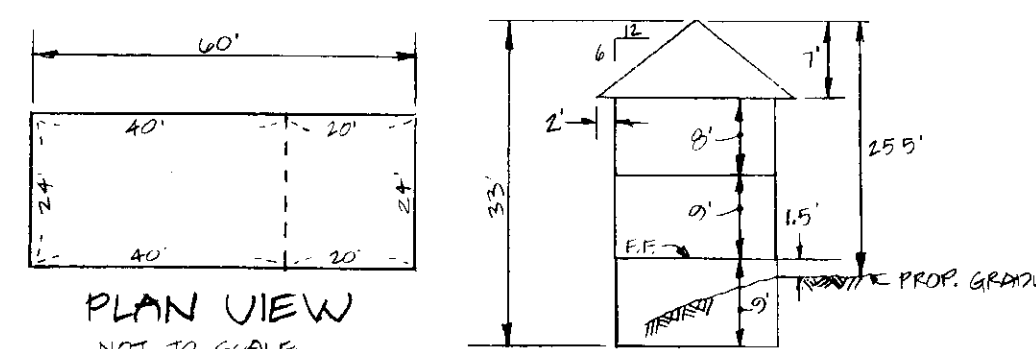


**TYPICAL PAVING SECTION
USE-IN-COMMON DRIVE**

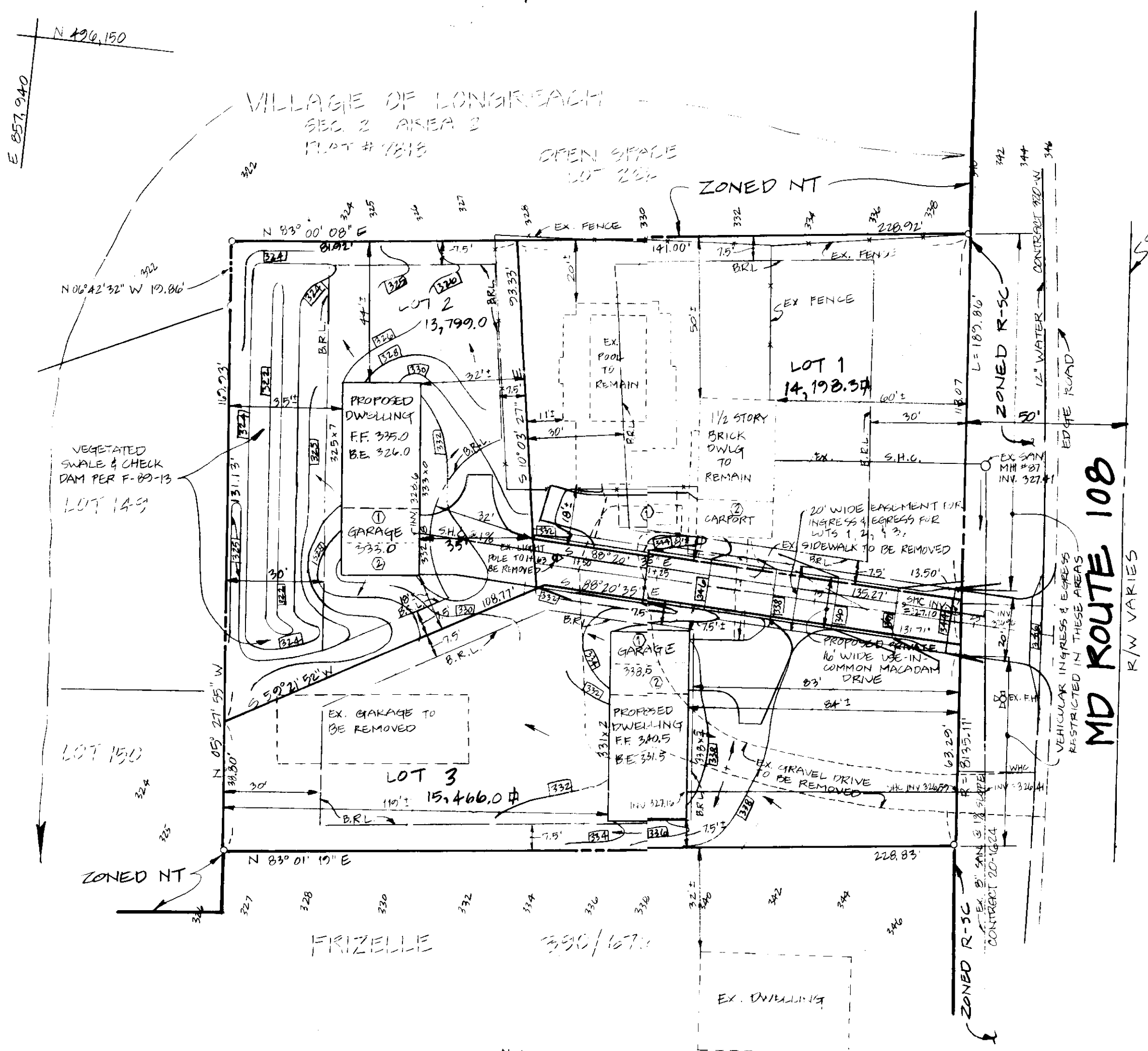


SECTION A-A

**RESIDENTIAL DRIVEWAY ENTRANCE
CONNECTION TO OPEN SECTION ROADWAY (TYPICAL)**
NOT TO SCALE



TYPICAL HOUSE TYPES

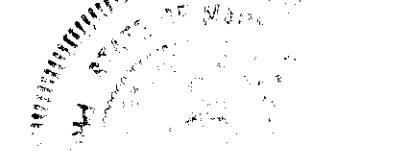


SITE ANALYSIS

- TOTAL AREA = 0.90713 AC, 43,463.3 #
- ZONING: R-12
- PARKING:
 - REQUIRED - 2 ps./LOT = 2.3 x 4 ps.
 - PROVIDED - 2/LOT = 2 x 3 = 6 ps.
- AREA OF OPEN SPACE: 0 AC
- AREA OF LOTS = 0.90713 AC
- NUMBER OF RESIDENTIAL UNITS THIS PLAN: 3
- PROPERTY ON TAX MAP #37, PARCEL #37
- PARKING SPACES PROVIDED: 2/LOT x 3 PARCELS = 6 ps.
- PARKING SPACES REQUIRED: 2/LOT x 3 PARCELS = 6 ps.
- EXISTING DRIVEWAY: 1/APRAC + 1/INVENTORY = 2 ps.
- 20' x 20' PARKING SPACES SHOWN THIS: 0
- OPEN SPACE NOT REQUIRED.

GENERAL NOTES

- PROPERTY ON SOILS MAP #15 - FREEDOM #1 - 6000 W/20, 9100, 9102
- BENCHMARKS: 1) HOWARD COUNTY TRAVELER 244 200' IN 2014.00
ST. CONG. MON. SET 2) B.M. 100 W/20, 9102
2) HOWARD COUNTY TRAVELER 244 200' IN 2014.00
CONG. MON. SET PLUM WITH SURFACE
- BASED ON BOUNDARY & TOPOGRAPHIC SURVEY BY SHANABERGER & LANE 10/11/90.
- LEGEND:
EXISTING CONTOURS: ---
PROPOSED CONTOURS: - - -
- BUILDING COVERAGE:
LOT 1: 10.12%
LOT 2: 10.33%
LOT 3: 9.91%
- SUBJECT TO WP 89-09
REQUESTED WAIVER ON REQUIREMENT OF 20' FRONTAGE ON LOTS UNDER 40,000 # AND SECTION 16.115 C.4.
RESTRICTED ACCESS TO MAJOR COLLECTOR
DISPOSITION: APPROVED
DATE: 11/7/00
- SEE F-89-13
- DECLARATION OF MAINTENANCE OBLIGATION FOR PRIVATE OPEN COMMON DRIVEWAY (RECORDED IN LIBER 003, PAGE 84)
- PLAN SUBJECT TO WHICH IS GRANTED APPROVAL WITH RESTRICTIONED APPROVAL FOR F-89-13 & F-89-14.
- THERE ARE NO WETLANDS OR STREAMS ON THIS PROPERTY.



"I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS. THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT. I HAVE NOTIFIED THE DEVELOPER THAT HE MUST PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH AN EROSION CONTROL PLAN OF THE SITE WITHIN 60 DAYS OF COMPLETION."
DATE: 11/7/00
BY: SCOTT SHANABERGER

DEVELOPER'S CERTIFICATE
"I CERTIFY THAT ALL DEVELOPMENT AND/OR OTHER WORK WILL BE DONE ACCORDING TO THESE PLANS, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENTATION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERSONNEL ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT."
DATE: 11/7/00
BY: SCOTT SHANABERGER

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT.
1-27-92
APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING.
1/31/00
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE STREET DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.
1-31-92
1-26-92

NO.	REVISIONS	DATE

SHANABERGER & LANE
8726 TOWN & COUNTRY BLVD.
SUITE 107
ELLCOTT CITY, MD 21043
(301) 461-0563

DEVELOPER:
FALCON DEVELOPMENT CO.
4570 LONG LOOK LANE
COLUMBIA, MD 21045

OWNER:
MR. ROBERT A. HUFFMAN
6360 WATERLOO RD
COLUMBIA, MD 21045

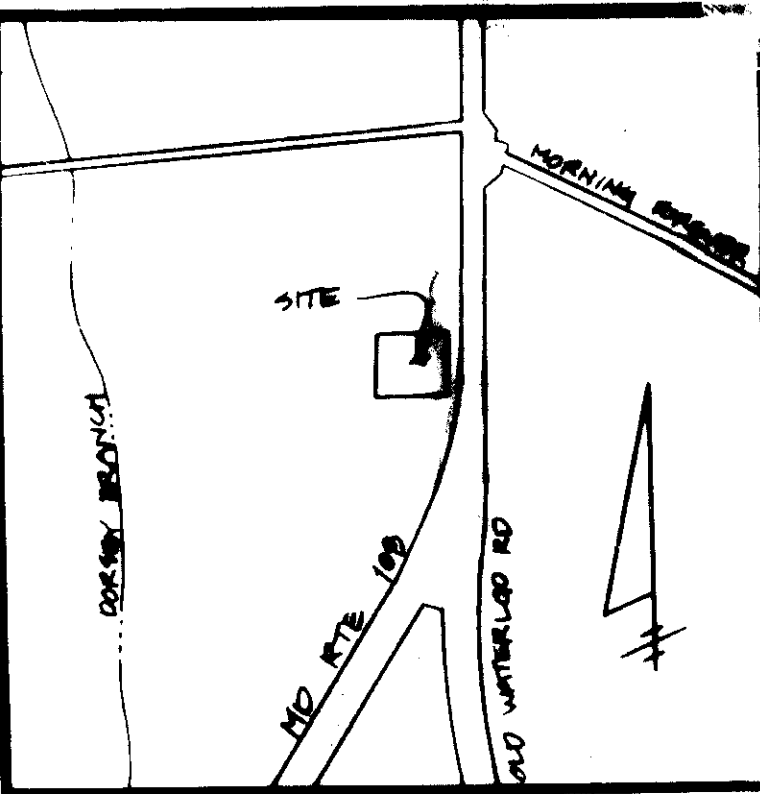
SUBDIVISION NAME		SECT/AREA	LOT/PARCEL
"HUFFMAN PROPERTY"		1	LOTS 1-3
PLAT OR LIE	BLOCK	TAX MAP	ELEC. DIST.
PLAT 0980	14	R-12	6
WATER CODE: EOT		GENERAL CODE: 3460000	DATE: 12/07/03

SITE DEVELOPMENT PLAN
HUFFMAN SUBDIVISION
6th ELECTION DISTRICT, HOWARD COUNTY, MD
TAX MAP #37, PARCEL #37
3 SINGLE FAMILY DETACHED DWELLINGS

DATE: 1/19/99
DRAWN: S.M.
CHECKED: S.S.S.
SCALE: 1" = 30'
SHEET 1 OF 3
PROJECT NO: 89-140

SECTION NUMBER	ROAD AND STREET CLASSIFICATION	PAVEMENT MATERIALS	
		GRANULAR BASE ALTERNATE	
P-1	PARKING AREAS AND TRAVEWAYS; APARTMENTS AND COMMERCIAL-INDUSTRIAL ZONES WITH NO HEAVY TRUCKS	1" BIT CONC. SURFACE 2" BIT CONC. BASE PRIME	5" CRUSHER RUN BASE COURSE OR 4" DENSE GRADED STABILIZED AGGREGATE BASE COURSE

LOT NUMBER	STREET ADDRESS
1	
2	
3	

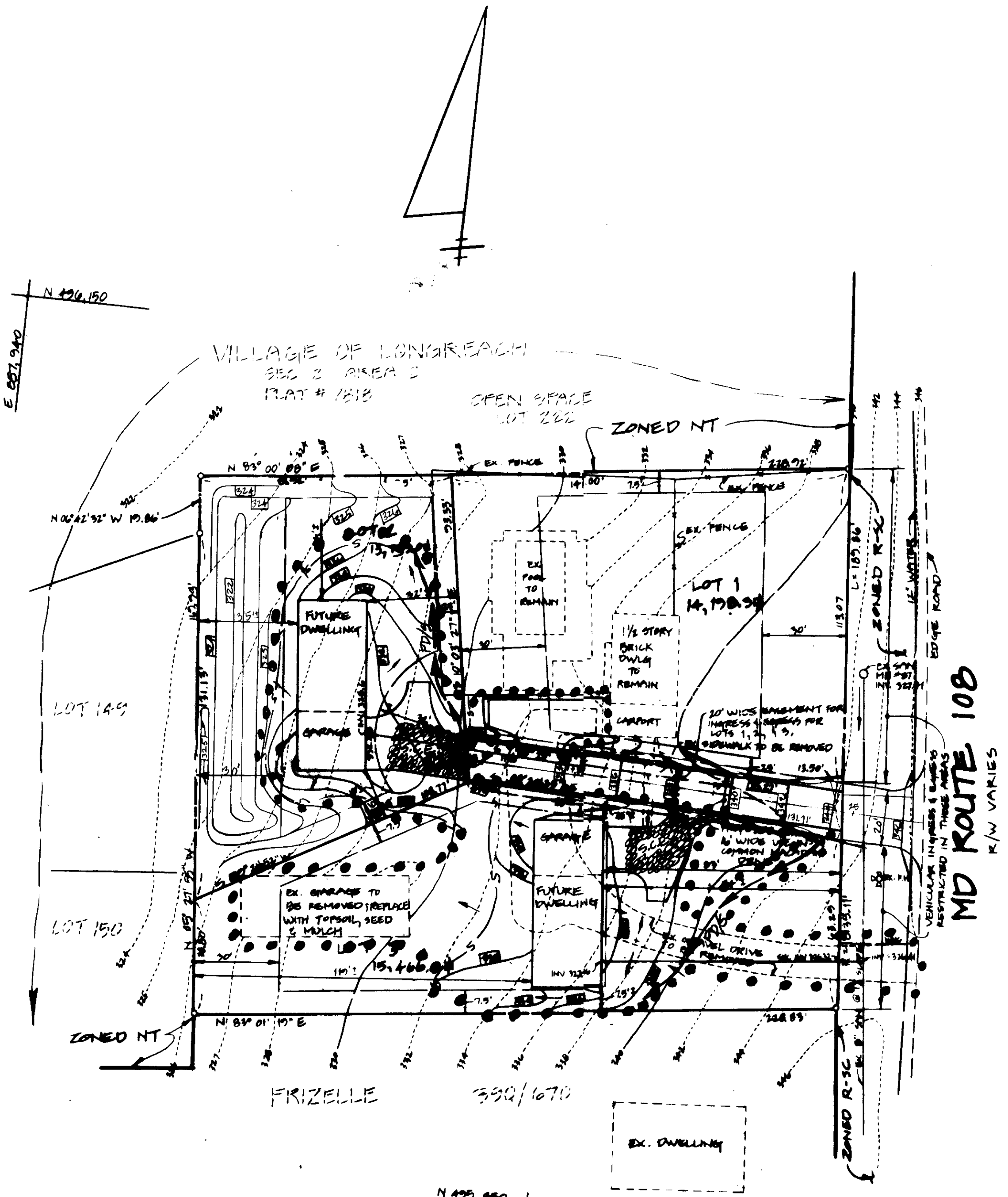


SITE ANALYSIS

- TOTAL AREA = 0.90718 AC, 43,403.39
- ZONING: R-12
- PARKING: REQUIRED - 2 PA./LOT = 2' x 4' PA. PROVIDED - 2/LOT = 2' x 4' PA.
- AREA OF OPEN SPACE: 0 AC.
- AREA OF LOTS = 0.90718 AC.
- NUMBER OF RESIDENTIAL UNITS THIS PLAN: 3
- PROPERTY ON TAX MAP 97, PARCEL 497
- PARKING SPACES REQUIRED: 2/LOT x 2 PROT. RES. = 4 PA. PARKING SPACES PROVIDED: 3/4PARCELS x 2 GARAGES = 4 PA.

GENERAL NOTES

- PROPERTY ON SOILS MAP #15 - PERMANENT SOIL WASH, SCS, 9185
- BENCHMARKS: 1) HOWARD COUNTY TRANSFERED 244-8001 247-1000 STD CONC. MAN. SET, 2' BELOW SURFACE. 2) HOWARD COUNTY TRANSFERED 244-8001 247-1000 CONC. MAN. SET FLUSH WITH SURFACE.
- BASED ON BOUNDARY & TOPOGRAPHIC SURVEY BY SHANDBERGER & LANE 10/17/80.
- LEGEND:
 - EXISTING CONTOURS: --- 320
 - PROPOSED CONTOURS: - - - -
 - LIMIT OF DISTURBANCE: ○ ○ ○ ○
 - PERIMETER DIKE/DWALE: — PD/S —
 - SILT FENCE: S — S — S



PLAN VIEW
SCALE: 1" = 30'

SEQUENCE OF CONSTRUCTION

- OBTAIN GRADING PERMIT.
- NOTIFY DEPT. SEDIMENT CONTROL INSPECTOR 48 HRS BEFORE STARTING WORK.
- INSTALL STABILIZED CONSTRUCTION ENTRANCES, PERIMETER DIKE/DWALE, AND SILT FENCE.
- CLEAR & GRADE SITE. REMOVE EXISTING GARAGE. STABILIZE SITE.
- BEGIN CONSTRUCTING HOUSES.
- FINE GRADE SITE. REMOVE & REPLACE PAVING BEHIND EXISTING HOUSE ON LOT 1. PAVE DRIVEWAYS TO LOTS 2 & 3. APPLY PERMANENT STABILIZATION.
- FINISH HOUSE CONSTRUCTION.
- AFTER OBTAINING PERMISSION FROM SEDIMENT CONTROL INSPECTOR, REMOVE SEDIMENT CONTROL MEASURES.



"I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS. THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT. SHANDBERGER & LANE HAS BEEN APPROVED BY THE HOWARD SOIL CONSERVATION DISTRICT WITH AN A-1 QUALITY PLAN AND THE ENGINEER HAS BEEN APPROVED BY THE DISTRICT." DATE: 1/16/92

DEVELOPER'S CERTIFICATE
"I CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION 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 ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT." DATE: 1-9-92

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS: HOWARD COUNTY HEALTH DEPARTMENT. DATE: 1-27-92

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR SOIL EROSION AND SEDIMENT CONTROL. DATE: 1/31/92

THESE PLANS FOR SOIL EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT. DATE: 1/16/92

NO.	REVISIONS	DATE

SHANDBERGER & LANE
8726 TOWN & COUNTRY BLVD.
SUITE 107
BELLICOTT CITY, MD 21045
(301) 461-9963

DEVELOPER:
FALCON DEVELOPMENT CO.
9810 LONG LOOK LANE
COLUMBIA, MD 21045

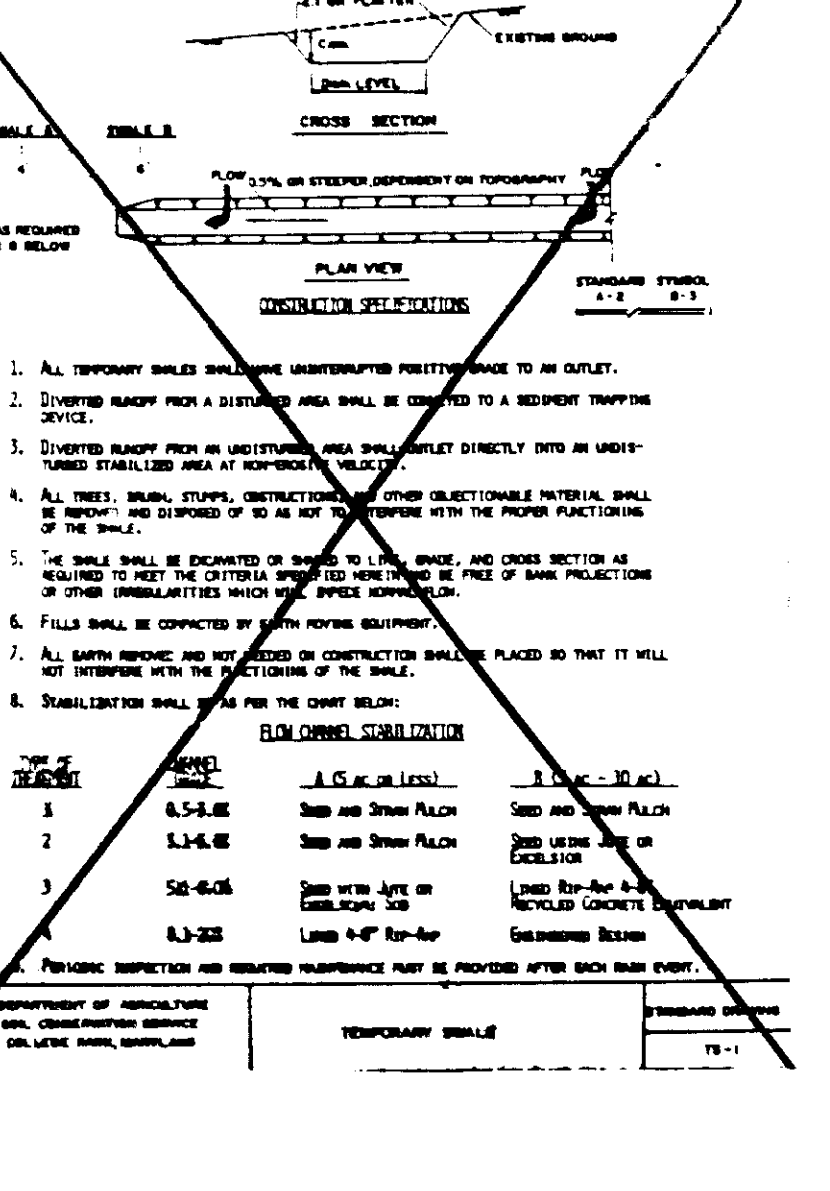
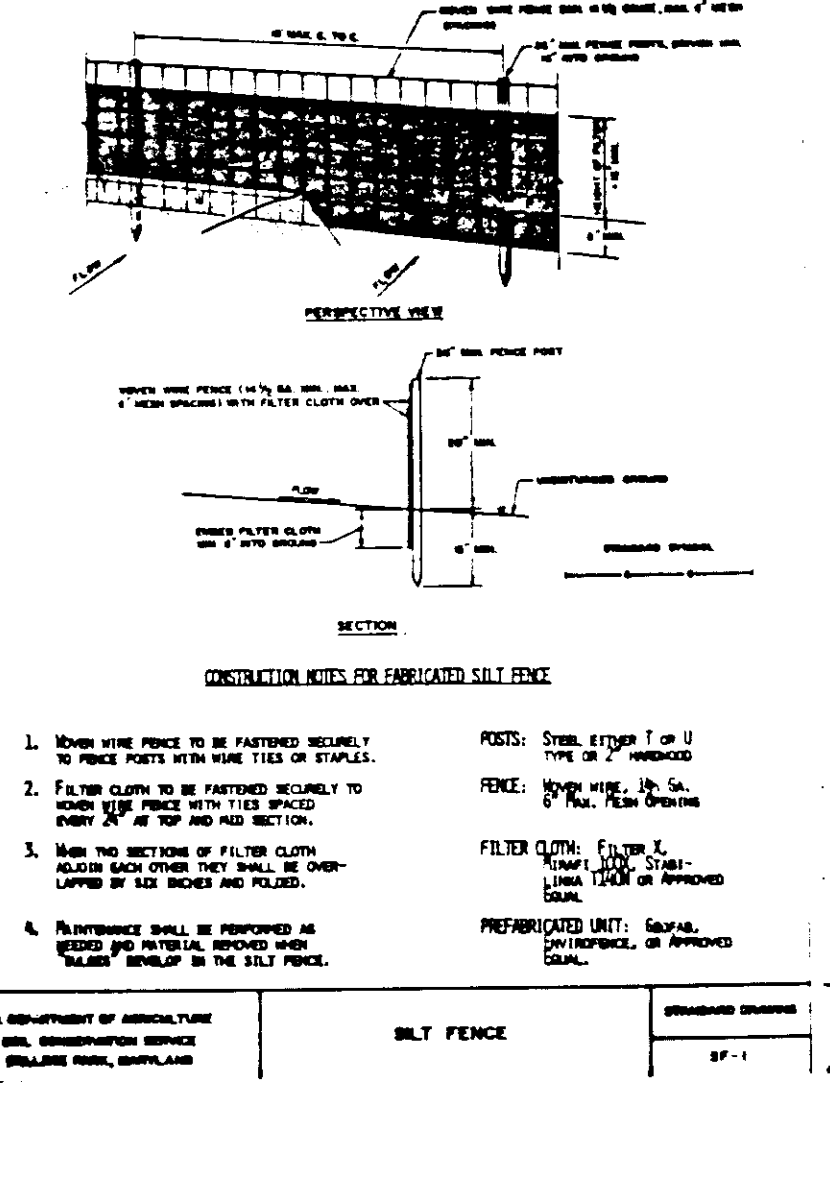
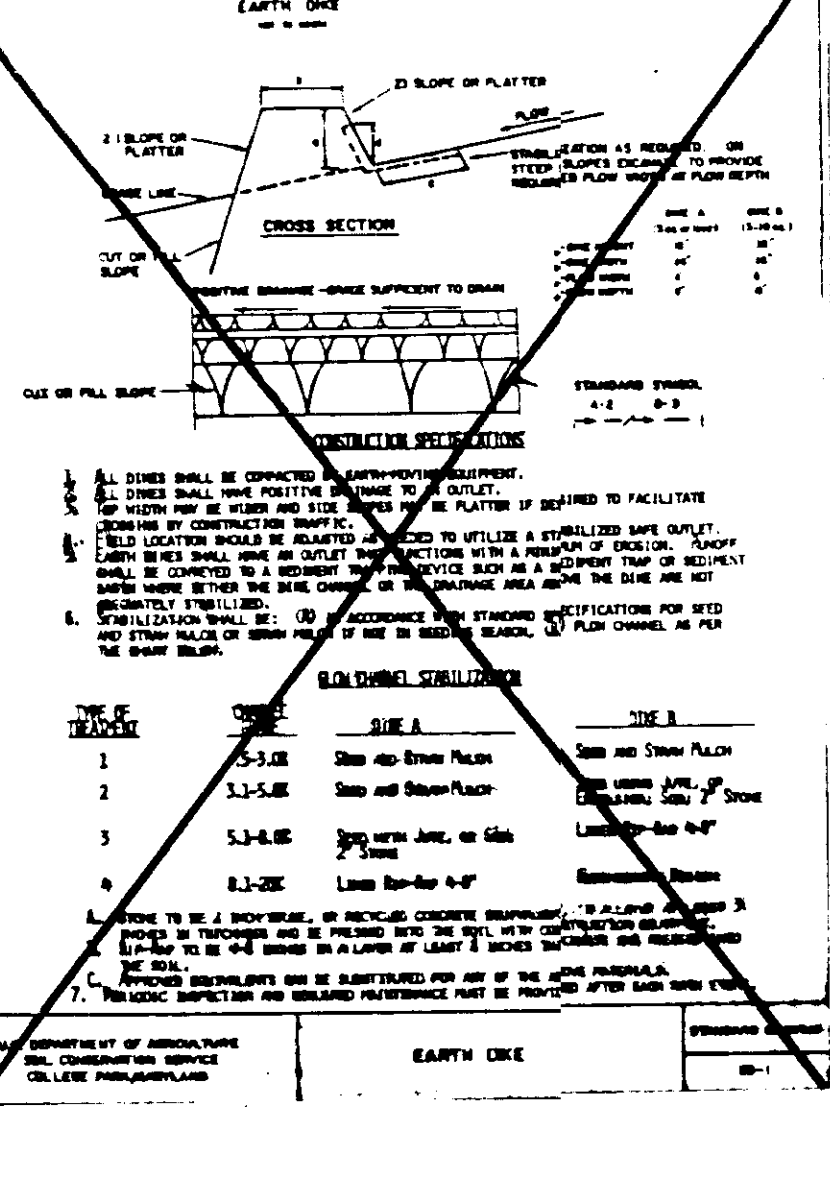
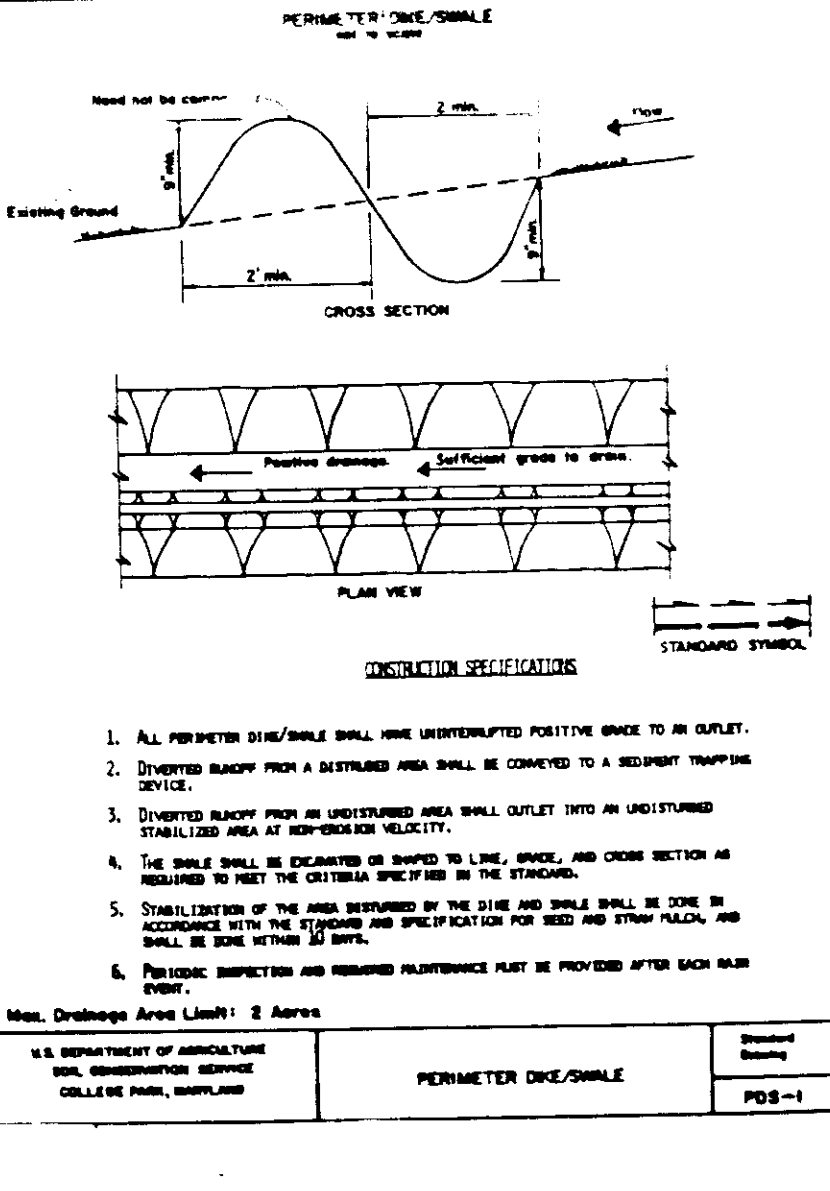
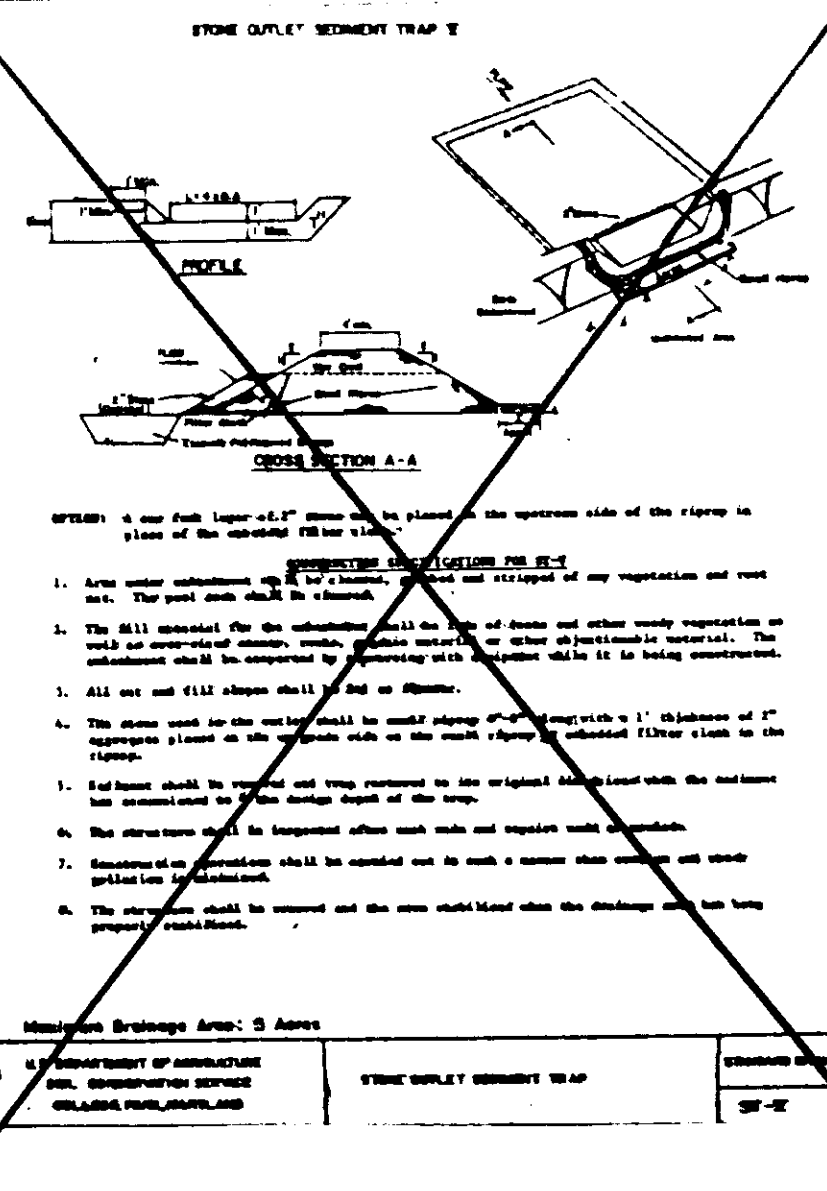
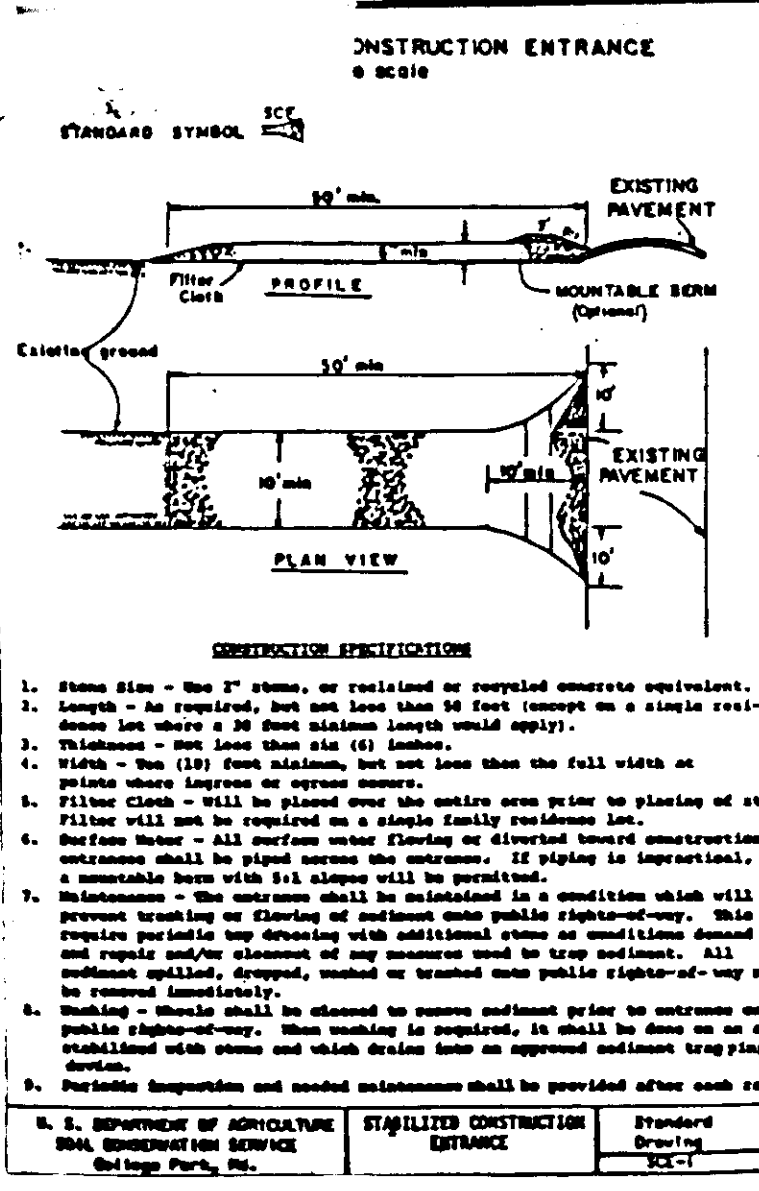
SUBDIVISION NAME:
"HUFFMAN PROPERTY"
PLAT OR L.P. BLOCK: 14
ZONING: R-12
TAX MAP: 97
SHEET: 6
WATER CODE: E07
SUBDIVISION: 3460000

OWNER:
MR. ROBERT A. HUFFMAN
6360 WATERLOO RD
COLUMBIA, MD 21045

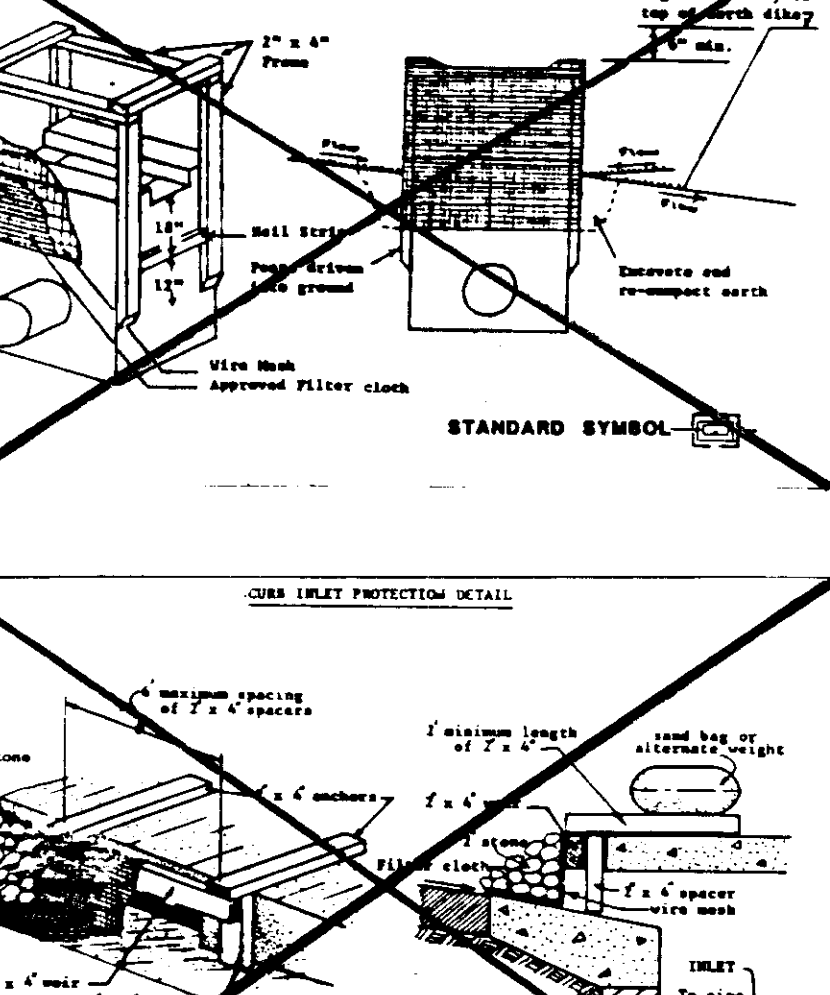
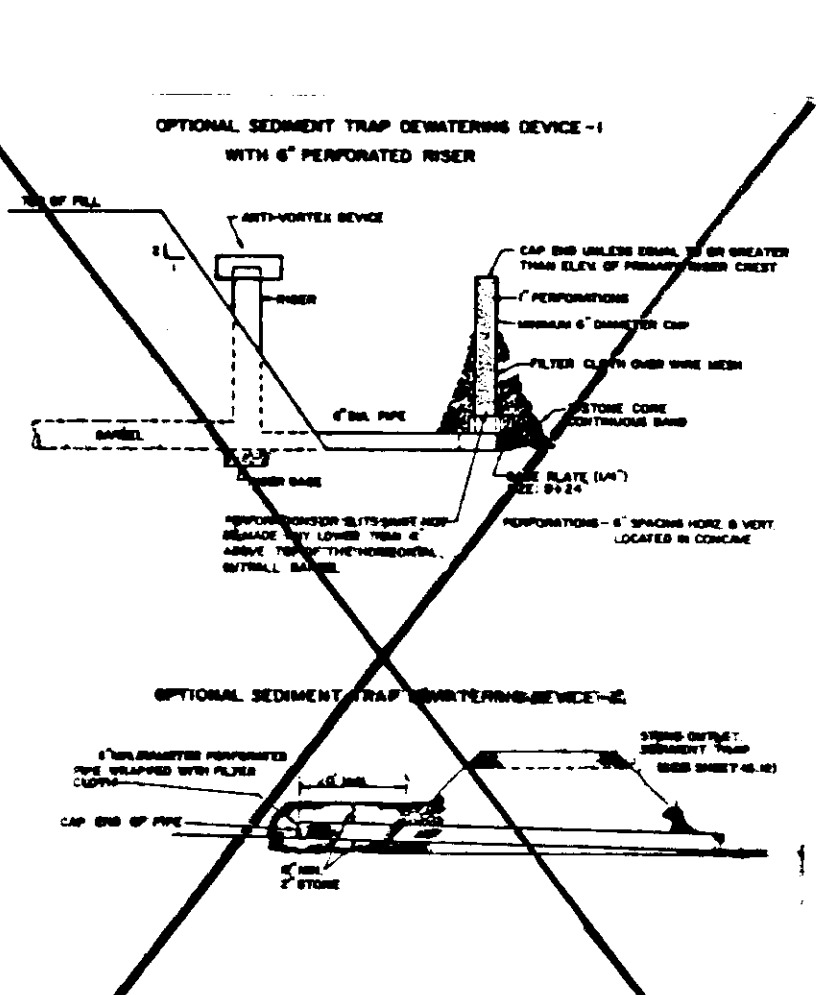
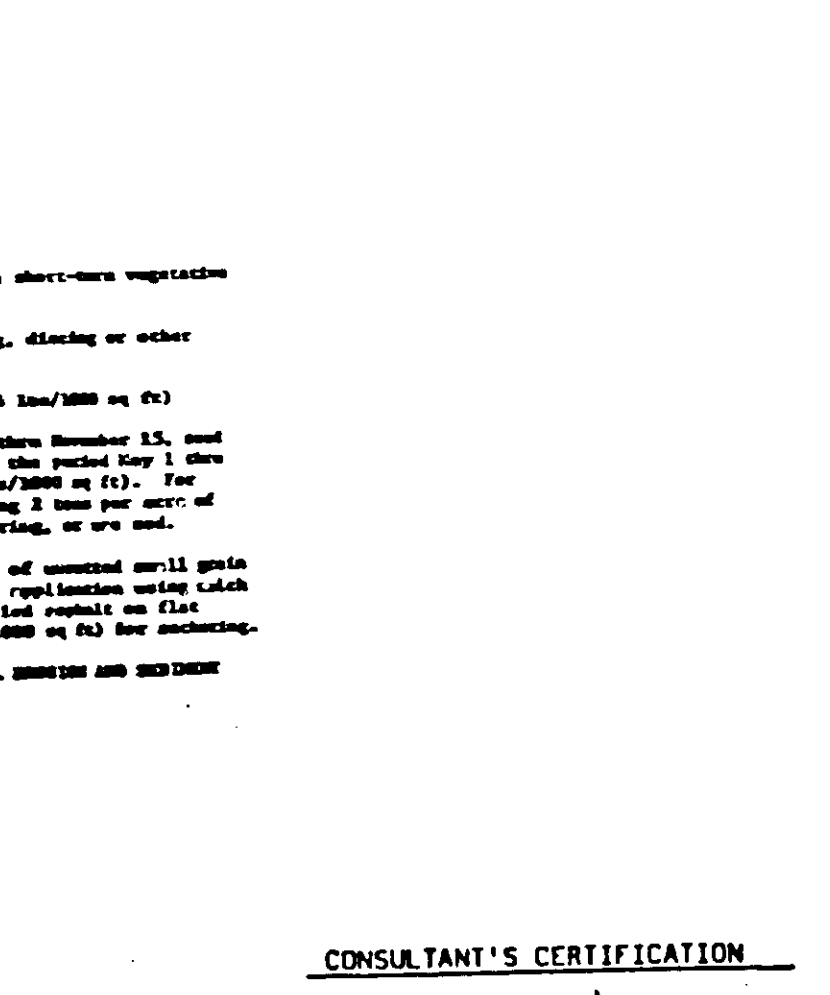
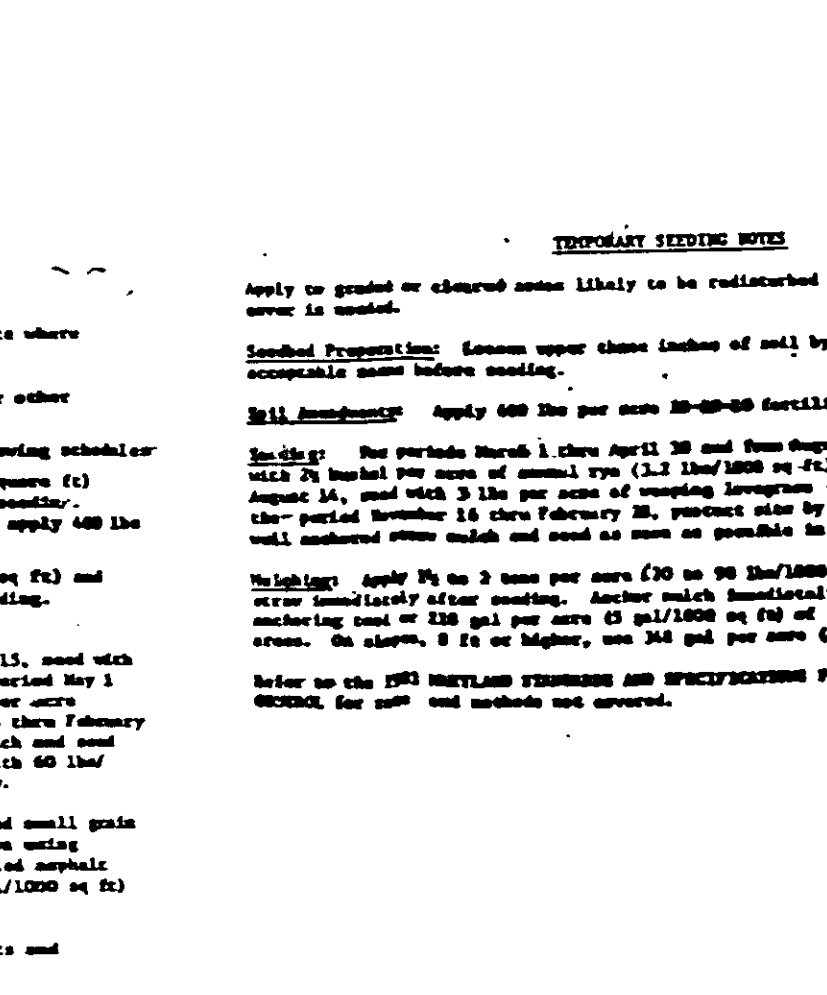
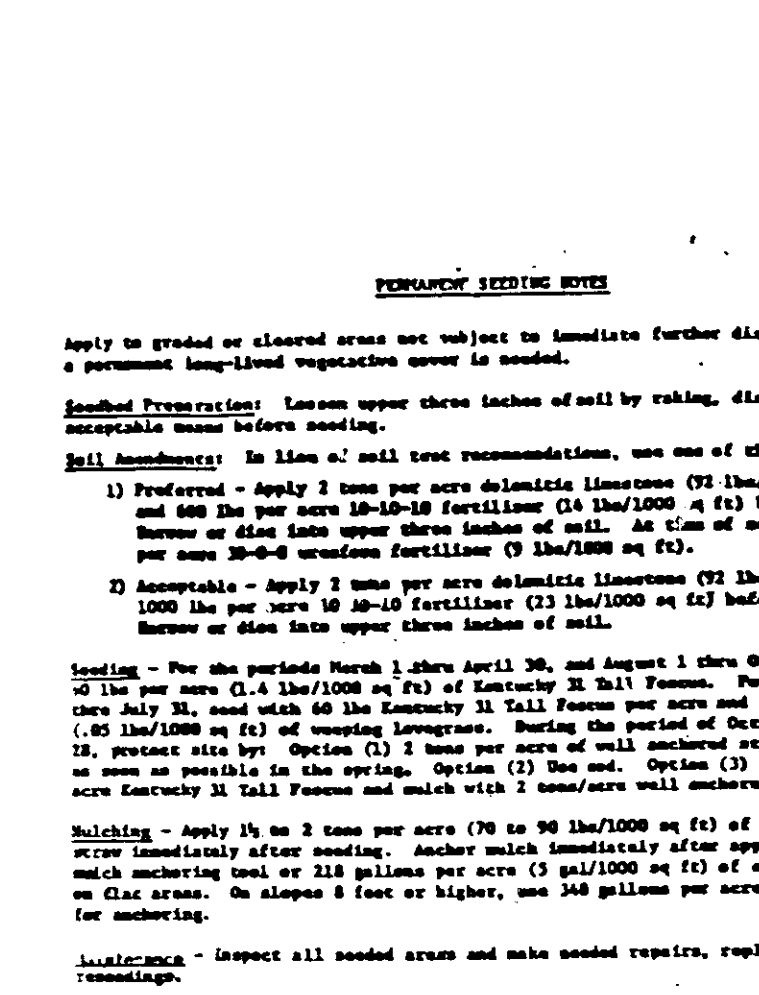
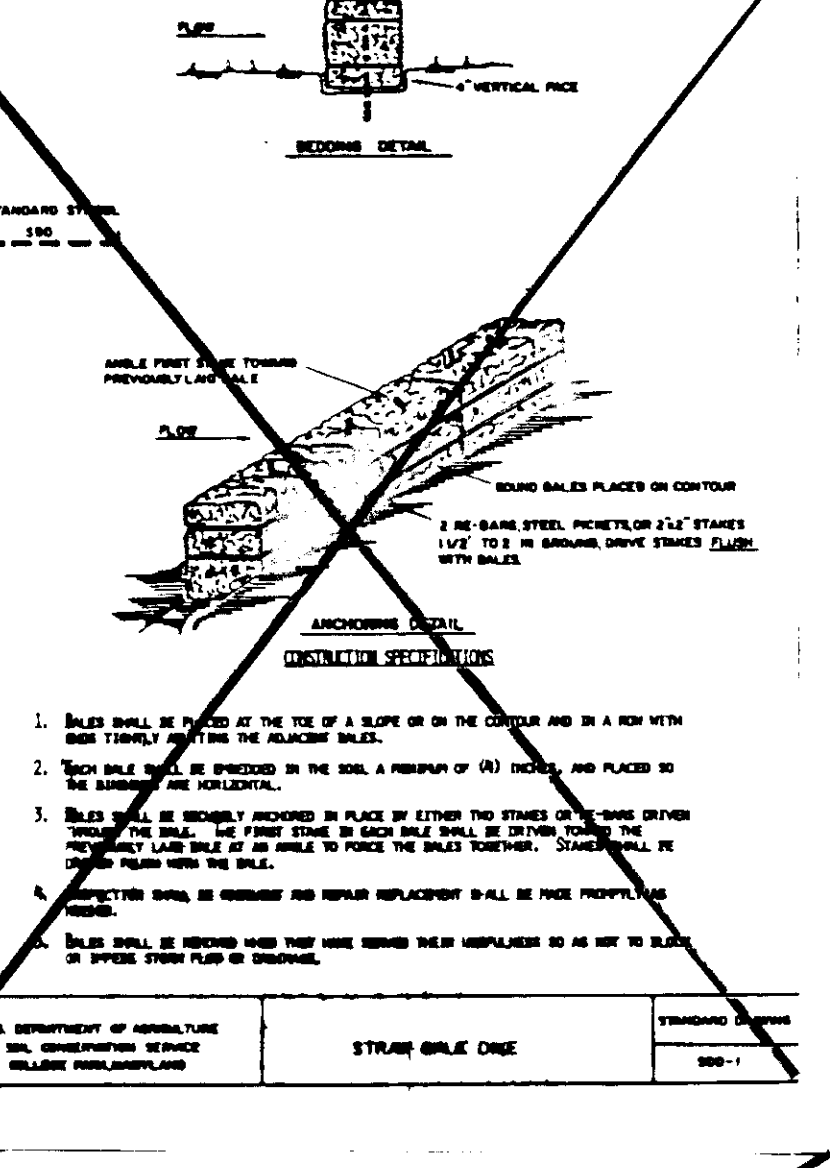
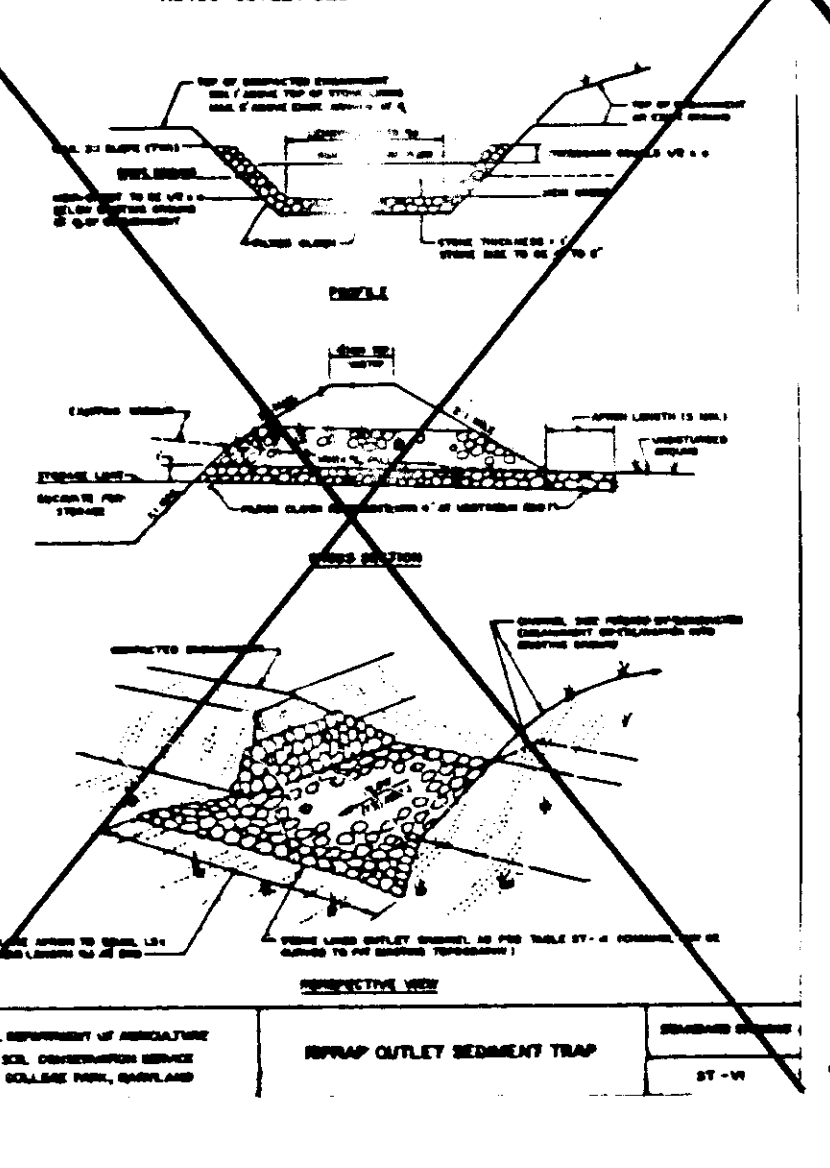
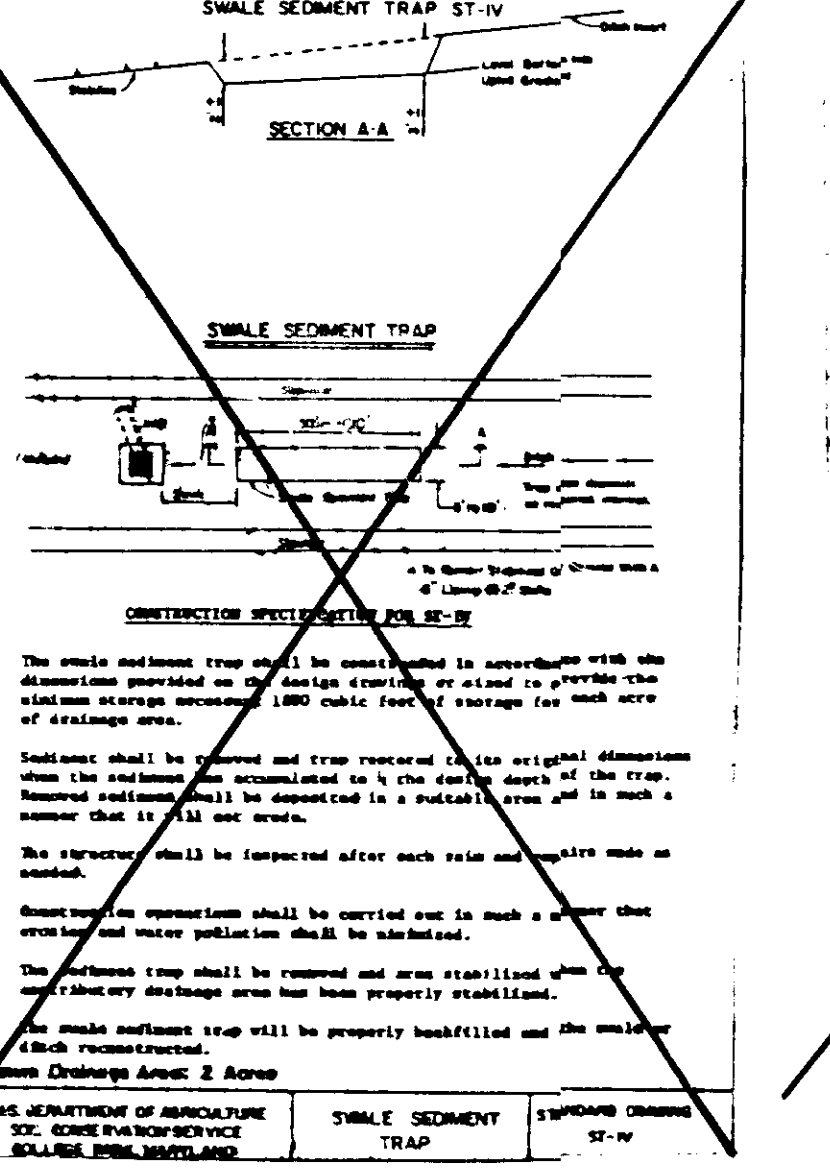
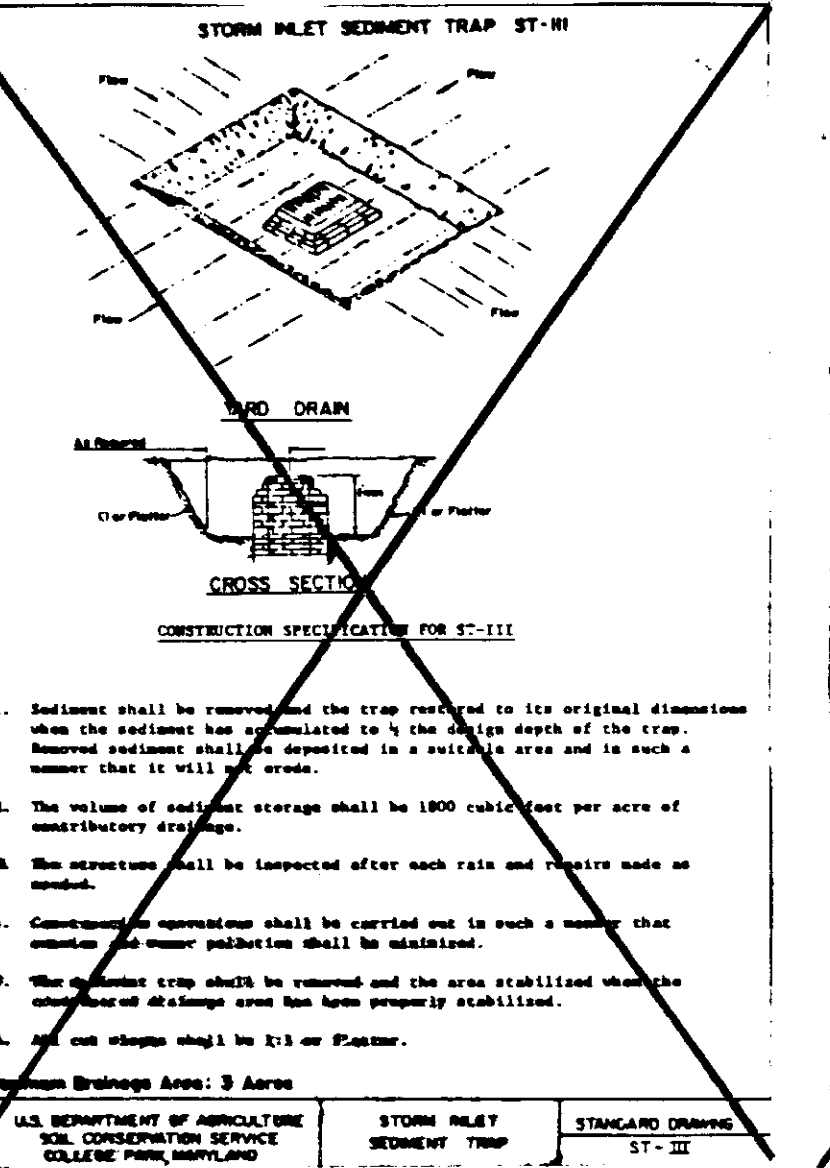
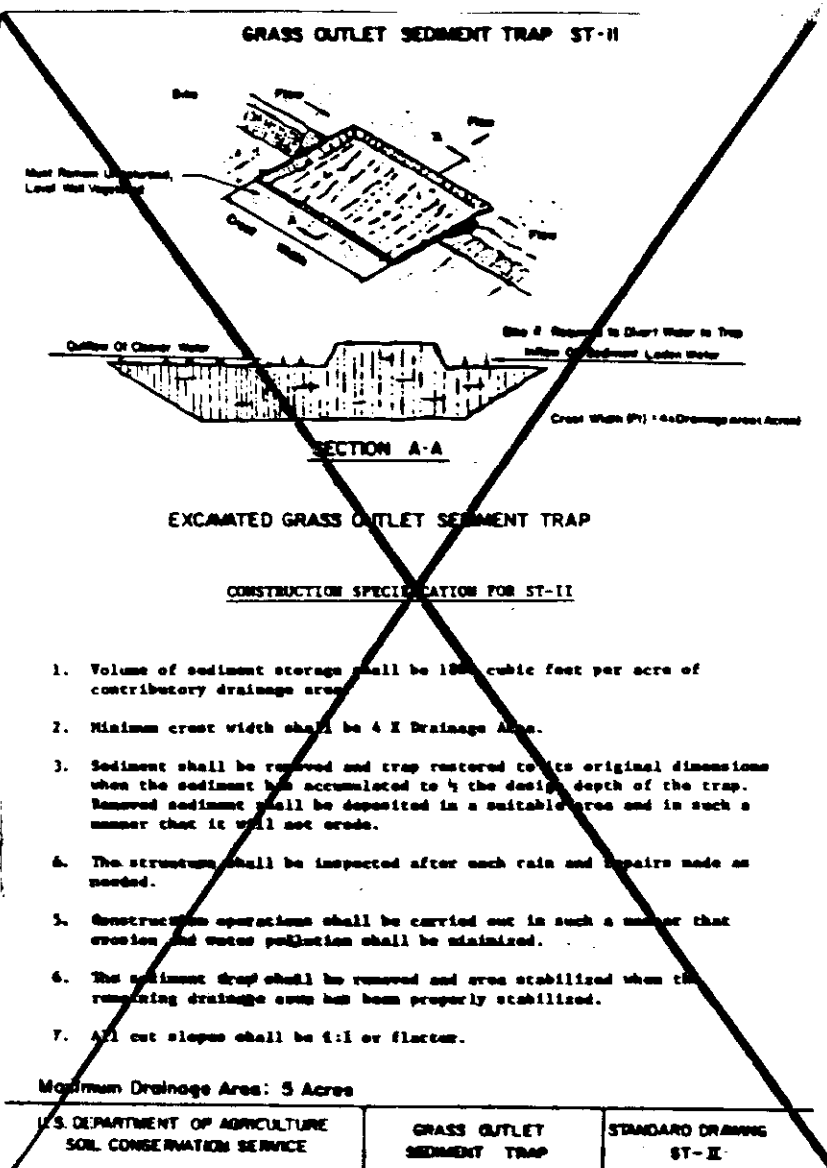
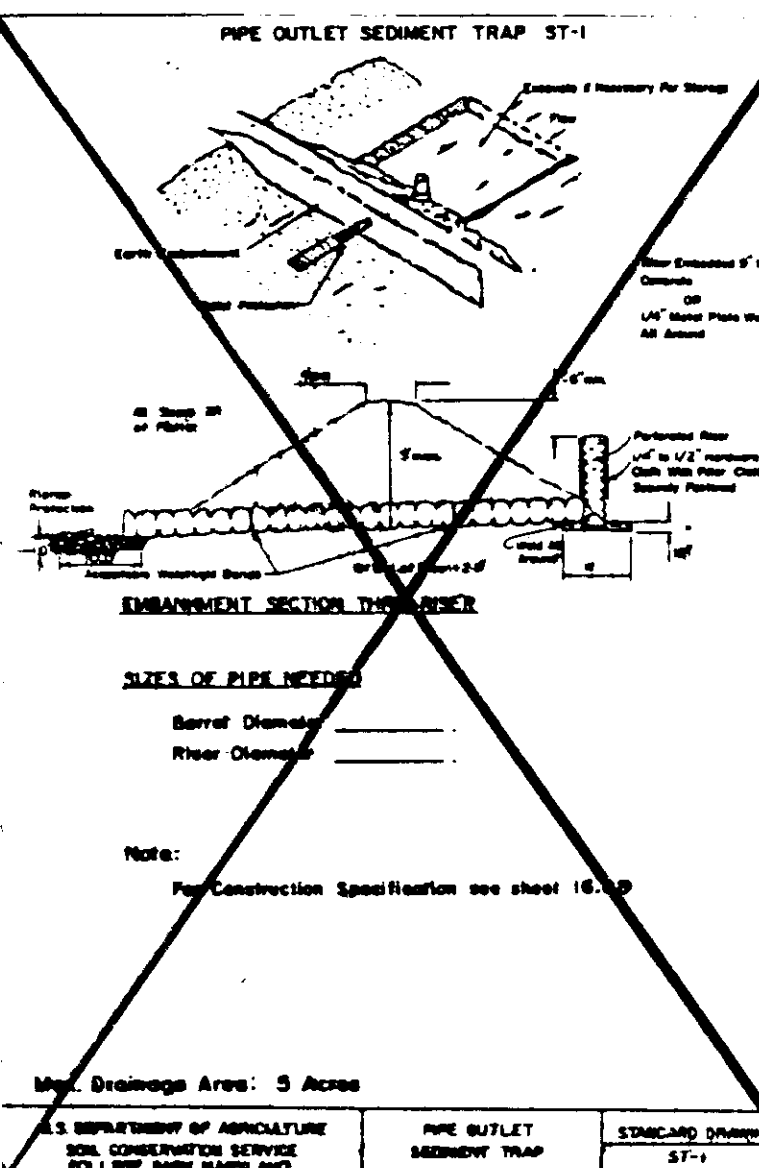
SITE DEVELOPMENT PLAN:
HUFFMAN SUBDIVISION
6TH ELECTION DISTRICT, HOWARD COUNTY, MD
TAX MAP 97, PARCEL 497
3 SINGLE FAMILY DETACHED DWELLINGS

DATE: 1/16/92	SHEET 2 OF 3
DATE: 1-9-92	
DATE: 1-21-92	
DATE: 1-21-92	

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 redistribution, permanent or temporary stabilization shall be established 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 seeding (Sec. 50) and (Sec. 51) and (Sec. 54), temporary seeding (Sec. 50) and mulching (Sec. 51). Temporary stabilization with such 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: 0.9319 Acres
Area Disturbed: 0.7188 Acres
Area to be vegetatively stabilized: 0.5040 Acres
Total Cut: 420 Cu. yds
Total Fill: 420 Cu. yds
Offsite waste/barrow area location
- 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 DSW 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 240 L.F.



OWNERS/DEVELOPERS CERTIFICATION

"I CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION 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 ON-SITE INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT."

OWNER/DEVELOPER (NAME AND TITLE): John R. Polunton DATE: 1/16/92

THESE PLANS FOR EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR SOIL EROSION AND SEDIMENT CONTROL.

SHANABERGER & LANE
8726 TOWN & COUNTRY BLVD.
SUITE 203
ELLICOTT CITY, MARYLAND 21043
(301) 461-9563

DATE: 1/16/92 BY: NO REVISION: DATE:

CONSULTANT'S CERTIFICATION

"I certify that this plan of erosion and sediment control represents a practical and workable plan based on my personal knowledge of the site conditions. This plan was prepared in accordance with the requirements of the HOWARD County Soil Conservation District and "Standards and Specifications for Soil Erosion and Sediment Control." I have reviewed this erosion and sediment control plan with the owner/developer."

Signature: [Signature] Md. License No. 108840 Date: 1/16/92

Name: L. C. SHANABERGER

PROF. L.S.

DEVELOPER:

FALCON DEVELOPMENT CO.
9570 LONG LOOK LANE
COLUMBIA, MD 21045

OWNER:

MR. ROBERT A. HUFFMAN
6360 WATERLOO RD
COLUMBIA, MD 21045

GRADING AND SEDIMENT CONTROL NOTES & DETAILS

HUFFMAN SUBDIVISION

LOTS 3
1011 EUBANK DISTRICT, HOWARD COUNTY, MD
TAX MAP 37, PARCEL 437

SCALE: N/A

SHEET 3 OF 3

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

[Signature] DATE: 1/16/92

APPROVED HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING:

[Signature] DATE: 1/16/92

DIVISION OF COMMUNITY PLANNING & ZONING

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

[Signature] DATE: 1/16/92

CHIEF, BUREAU OF ENGINEERING