

SITE DEVELOPMENT PLAN

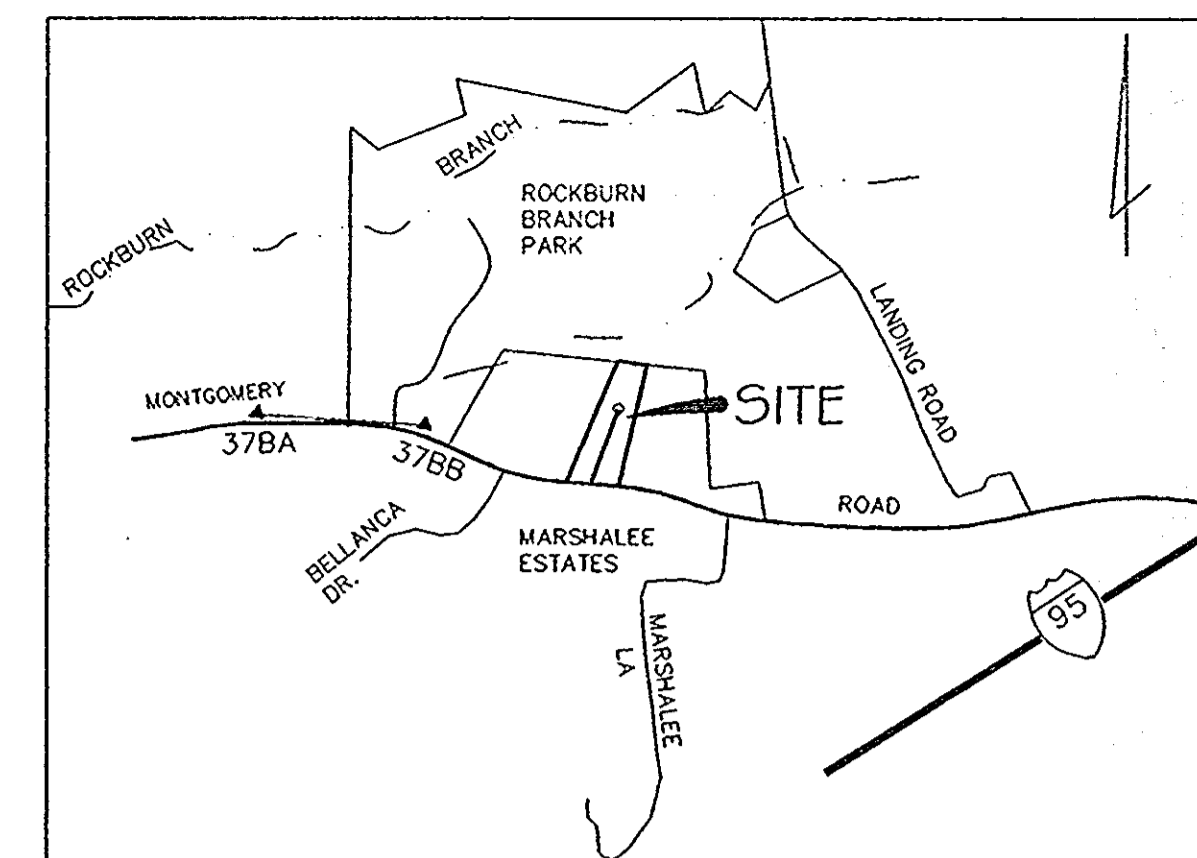
ROCKBURN RUN

SINGLE FAMILY DETACHED SUBDIVISION

LOTS 1-8 & 10-16

FIRST ELECTION DISTRICT

HOWARD COUNTY, MARYLAND



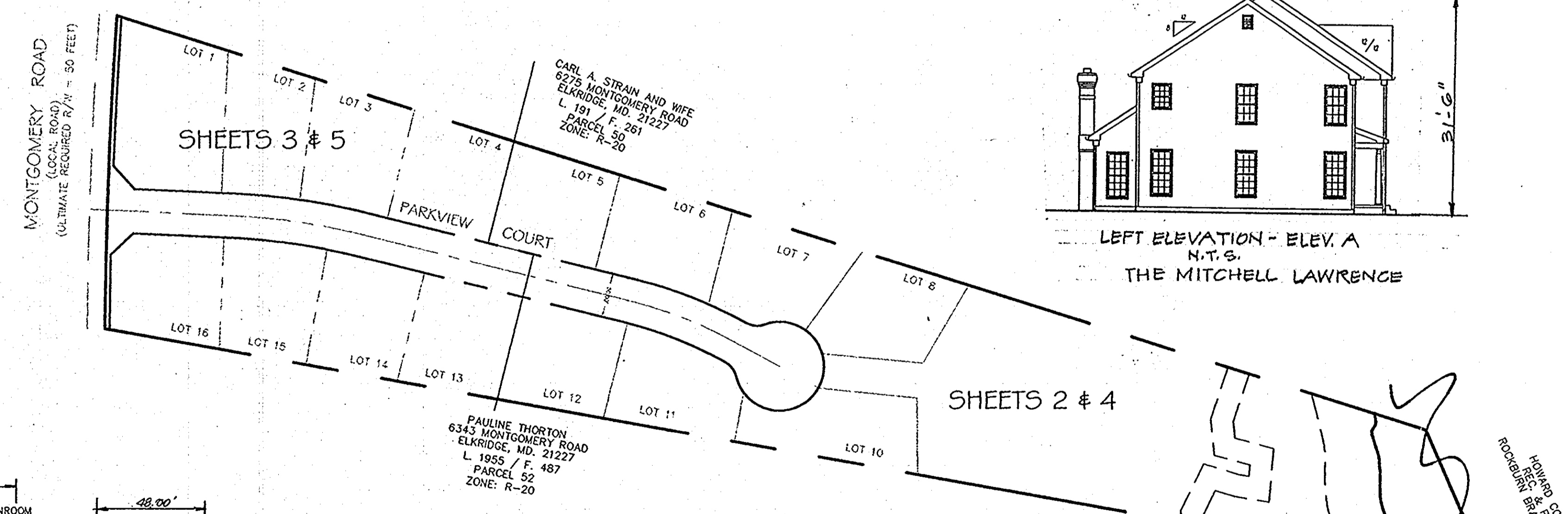
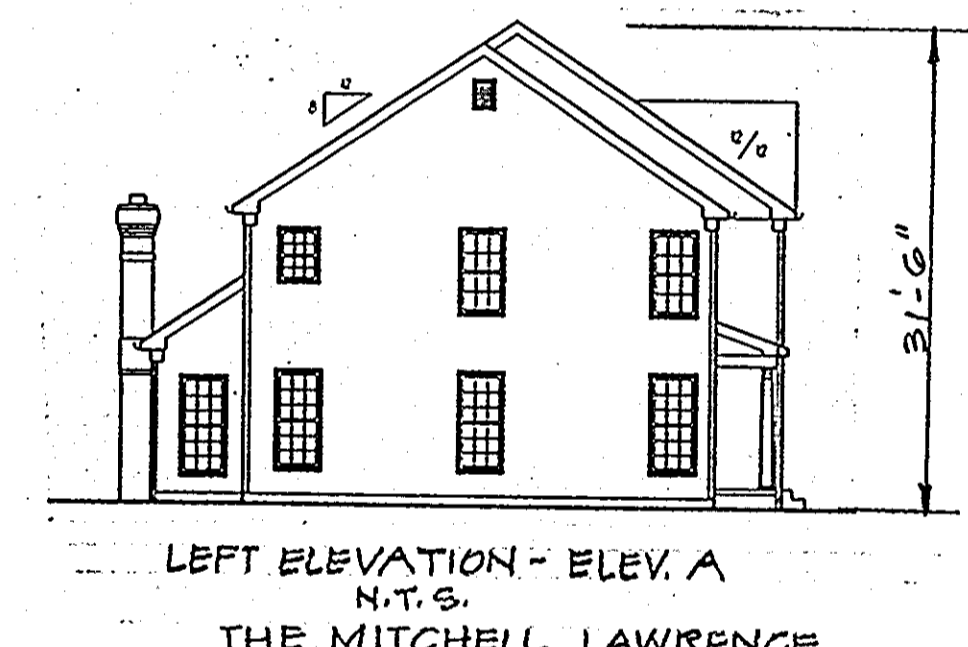
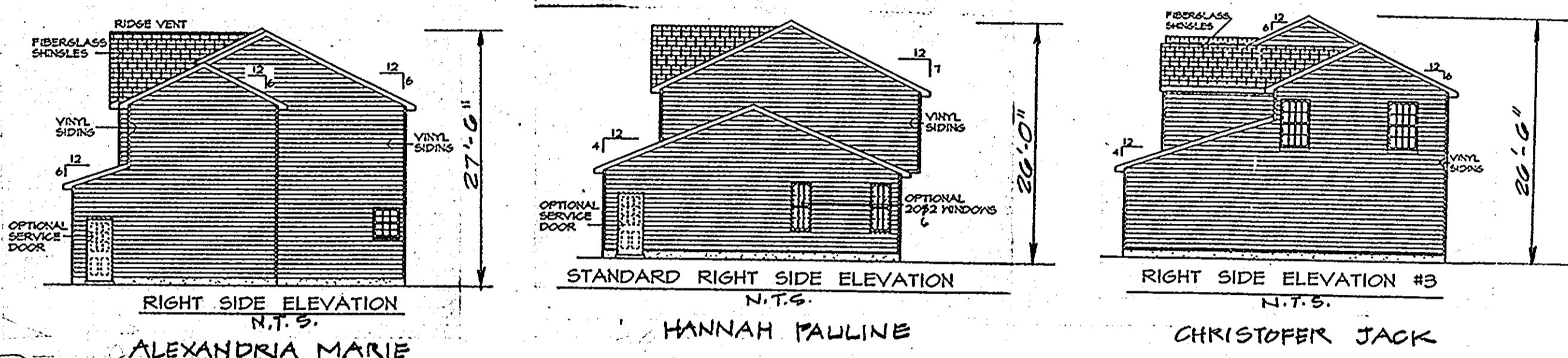
VICINITY MAP
SCALE: 1"=2,000'

GENERAL NOTES

- STORMWATER MANAGEMENT FOR THIS PROJECT IS ON OPEN SPACE LOT 9 OF THIS SUBDIVISION AND HAS BEEN CONSTRUCTED SEE F-98-77
- PUBLIC WATER AND SEWER WILL BE USED WITHIN THIS SUBDIVISION. SEE CONTRACT NO. 14-3676-D
- THE CONTRACTOR SHALL NOTIFY THE HOWARD COUNTY CONSTRUCTION INSPECTION SURVEY DIVISION 24 HOURS PRIOR TO COMMENCEMENT OF WORK AT (410-992-2437)
- EXISTING UTILITIES SHOWN HEREON HAVE BEEN LOCATED FROM FIELD AND OFFICE INFORMATION. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF EXISTING UTILITIES TO HIS OWN SATISFACTION BEFORE MAKING ANY CONNECTION THERETO OR EXCAVATING IN THE AREA THEREOF.
- THE CONTRACTOR SHALL NOTIFY MISS UTILITY (1-800-257-7777) A MINIMUM OF THREE (3) DAYS PRIOR TO BEGINNING ANY CONSTRUCTION SHOWN HEREON.
- ALL PAVING AND STORM DRAIN CONSTRUCTION SHALL BE IN ACCORDANCE WITH HOWARD COUNTY ROAD CONSTRUCTION CODE AND STANDARD SPECIFICATIONS AND ROAD CONSTRUCTION PLAN F-98-77
- ALL INTERIOR ROADS WILL BE PUBLIC.
- THIS PLAN IS SUBJECT TO CURRENT ZONING - R20 AS PER THE OCTOBER 18, 1993 COMPREHENSIVE ZONING
- THE PROPERTY IS RECORDED IN THE PLAT RECORDS OF HOWARD COUNTY, MARYLAND AS PLAT NO. 13278
- TYPICAL HOUSE DIMENSIONS AND SCHEMATIC PROFILES ARE SHOWN ON THIS SHEET.
- SUBJECT PROPERTY IS LOCATED ON TAX MAP NO. 37 PARCEL 51.
- FOR DRIVEWAY SPECIFICATIONS REFER HOWARD COUNTY DESIGN MANUAL, PER SECTION 128.A.1 OF THE ZONING REGULATIONS "BAY WINDOWS, CHIMNEYS OR AREAWAYS, NOT MORE THAN 16" IN WIDTH; MAY PROJECT UP TO 4' INTO ANY SETBACK AREA, OPEN OR ENCLOSED PORCHES OR DECKS MAY PROJECT UP TO 10' INTO THE FRONT OR REAR SETBACK AREA.
- BENCH MARKS UTILIZED ARE HOWARD COUNTY CONTROL STATION NO'S. 378A & 378B. 378A: N 563785.362 E 1376343.279 ELEV. 394.753 PT
378B: N 563663.428 E 1378040.570 ELEV. 373.811 PT
NOTE: UNLESS OTHERWISE NOTED, ALL HOWARD CO. SURVEY CONTROLS ARE STAND. STAMPED (BRASS OR ALUMINUM) DISCS SET ON TOP OF CONC. (3" DEEP) CYLINDRICAL BASE. USUALLY, THE DISC IS SET 1" OR 2" BELOW TERRAIN SURFACE.
- NO CLEARING, GRADING OR CONSTRUCTION IS PERMITTED WITHIN WETLANDS, STREAMS, WETLAND OR STREAM BUFFERS OR FOREST CONSERVATION EASEMENTS.
- PERIMETER LANDSCAPING WILL BE AS SHOWN ON THE APPROVED ROAD DRAWINGS F 98-77. FINANCIAL SURETY HAS BEEN POSTED AS PART OF THE DEVELOPERS AGREEMENT.

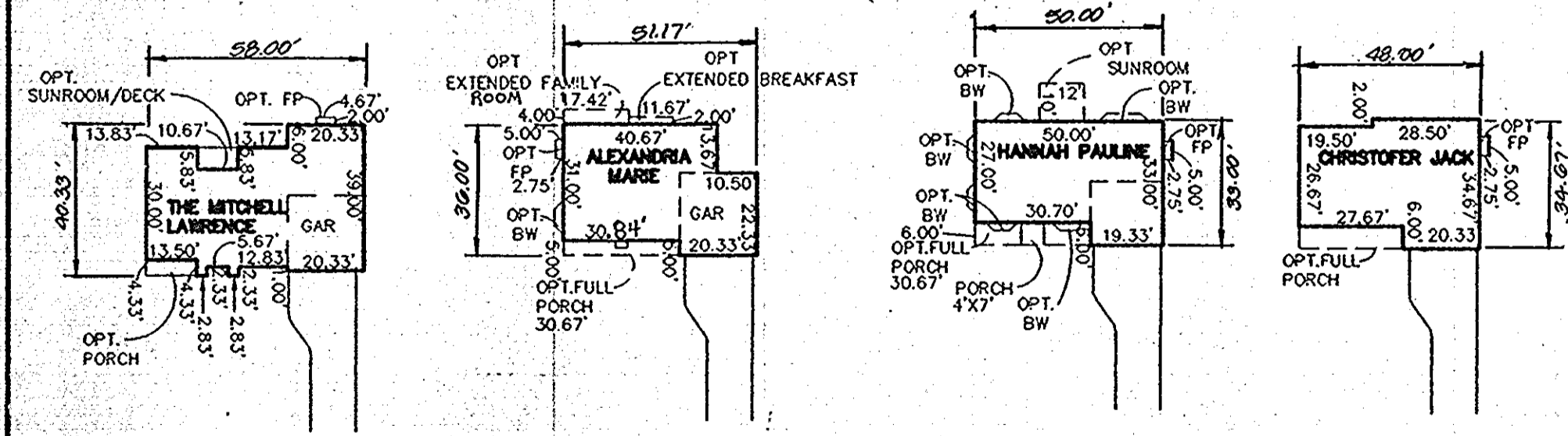
SITE ANALYSIS

AREA OF PARCEL	8,7706 ac.
PRESENT ZONING	R-20
PROPOSED USE OF STRUCTURES	SINGLE FAMILY
TOTAL NUMBER OF UNITS PROPOSED	16 UNITS
NO. UNITS ALLOWED	15 UNITS
NO. UNITS PROVIDED	15 UNITS
OPEN SPACE ON SITE	2,6811 ac.
OPEN SPACE AS A PERCENTAGE	30%

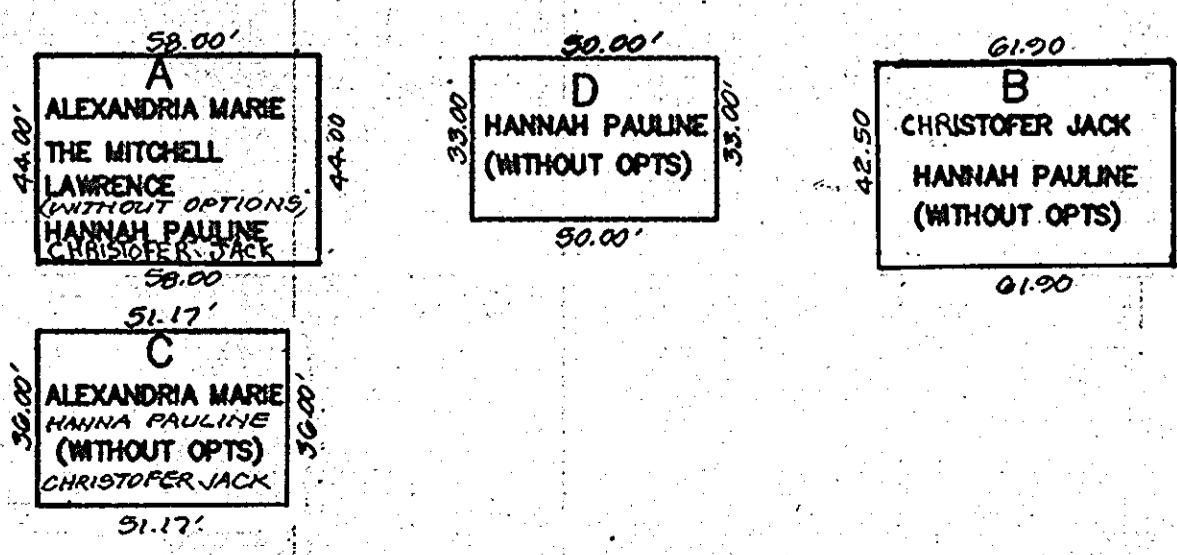


ADDRESS CHART	
LOT NUMBER	STREET ADDRESS
1	6205 PARKVIEW COURT
2	6209
3	6213
4	6217
5	6221
6	6225
7	6229
8	6233
9	O.S.
10	6228
11	6224
12	6220
13	6216
14	6212
15	6208
16	6204 PARKVIEW COURT

PERMIT INFORMATION CHART			
SUBDIVISION NAME	SECTION/AREA	LOT/PARCEL #	LOT #
ROCKBURN RUN	8,7706 AC.	P. 51/Lots 1 to 16	1 to 16
PLAT # OR L.V.P.	BLOCK #	TAX/ZONE MAP	ELECTION DISTR
# 13272	5	R-20	1
WATER CODE D01		SEWER CODE	2150562
		CENSUS TRACT	# 6011.01

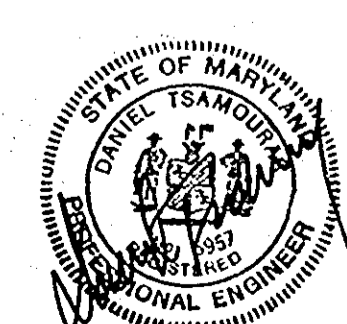


PROPOSED HOUSE TYPES
SCALE: 1"=40'

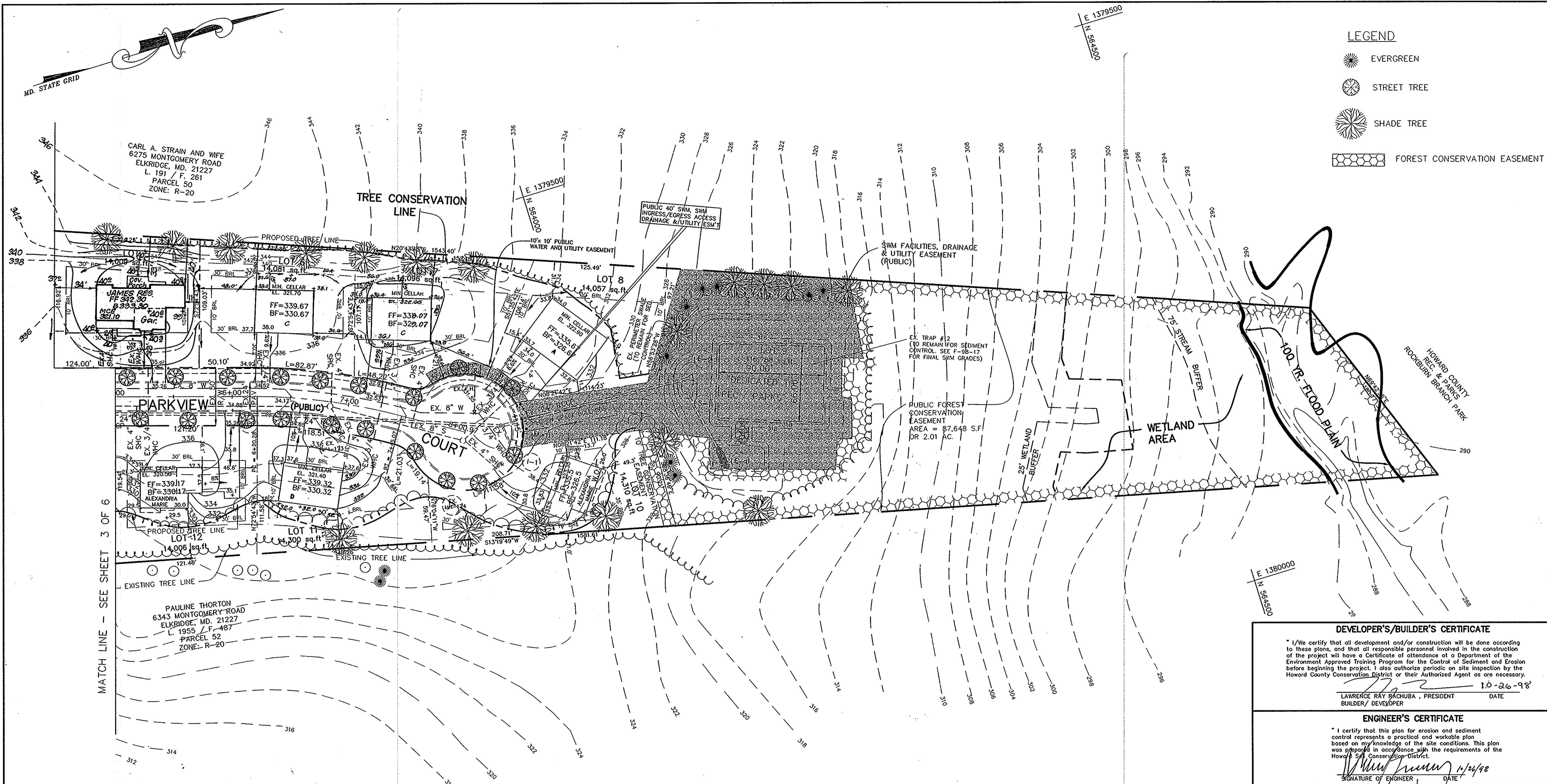


SHEET INDEX

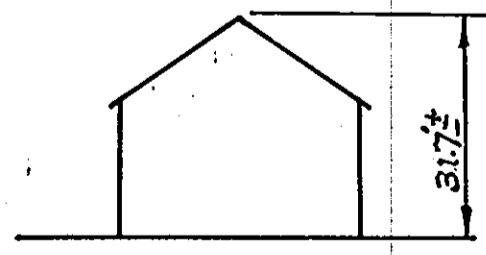
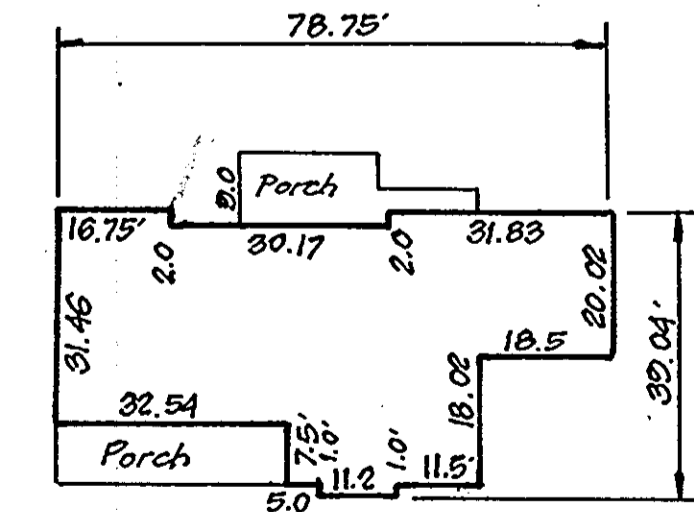
- COVER SHEET
- SITE DEVELOPMENT PLAN
- SITE DEVELOPMENT PLAN
- SEDIMENT CONTROL PLAN
- SEDIMENT CONTROL PLAN
- NOTES AND DETAILS



NO.	DATE	REVISION
		APPROVED BY: [Signature] DATE: 11/16/98
		CHIEF DEVELOPMENT ENGINEERING DIVISION
		APPROVED BY: [Signature] DATE: 11/16/98
		CHIEF DIVISION OF LAND DEVELOPMENT
		APPROVED BY: [Signature] DATE: 11/16/98
		DIRECTOR
PROJECT NAME: ROCKBURN RUN		
F-98-77 SINGLE FAMILY DETACHED SUBDIVISION		
P-97-05 LOTS 1-8 & 10-16		
S-95-17 A SUBDIVISION OF PARCEL NO. 51		
FIRST ELECTION DISTRICT TAX MAP 37 GRID/BLOCK # 5, PLAT NO. 13272		
HOWARD COUNTY, MARYLAND		
TITLE:	COVER SHEET	
PREPARED BY:	OWNER/ DEVELOPER: DUCKETTS LANE, J.V. MR. L. RAY RACHUBA	
TECH GROUP, INC.		PRESIDENT
DES. TTG		348-A MARMICH CT.
DRW. ASB		ELDERSBURG, MARYLAND 21784
CHK. BIS		
DATE: 8-28-98	SCALE: 1"=100'	SHEET 1 OF 6



MATCH LINE - SEE SHEET 3 OF 6



6/1/99
Rev. #1 Only.



DEVELOPER'S/BUILDER'S CERTIFICATE

"I/We certify that all development and/or construction will be done according to these plans, and that all responsible personnel involved in the construction of the project will have a Certificate of attendance at a Department of the 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 County Conservation District or their Authorized Agent as are necessary.

LAWRENCE RAY RACHUBA, PRESIDENT DATE **10-26-98**
 BUILDER/ DEVELOPER

ENGINEER'S CERTIFICATE

"I certify that this plan for erosion and sediment control represents a practical and workable plan based on my knowledge of the site conditions. This plan was prepared in accordance with the requirements of the Howard County Conservation District.

Signature of Engineer DATE **10/26/98**

NO.	DATE	REVISION
		APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
		APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
		APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

PROJECT NAME: ROCKBURN RUN
 SINGLE FAMILY DETACHED SUBDIVISION
 LOTS 1-8 & 10-16
 A SUBDIVISION OF PARCEL NO. 51
 FIRST ELECTION DISTRICT TAX MAP 37 GRID/BLOCK # 5, PLAT NO. 13272
 HOWARD COUNTY, MARYLAND

TITLE: SITE DEVELOPMENT PLAN

OWNER/ DEVELOPER: DUCKETTS LANE, J.V.
 MR. L. RAY RACHUBA
 PRESIDENT
 948-A MARIMICH CT.
 ELDERSBURG, MARYLAND 21784

PREPARED BY: TECH GROUP INC.

DES. TTG **JOB:**

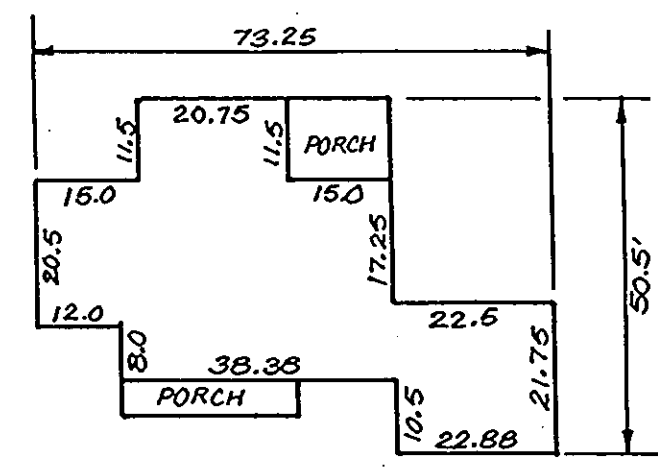
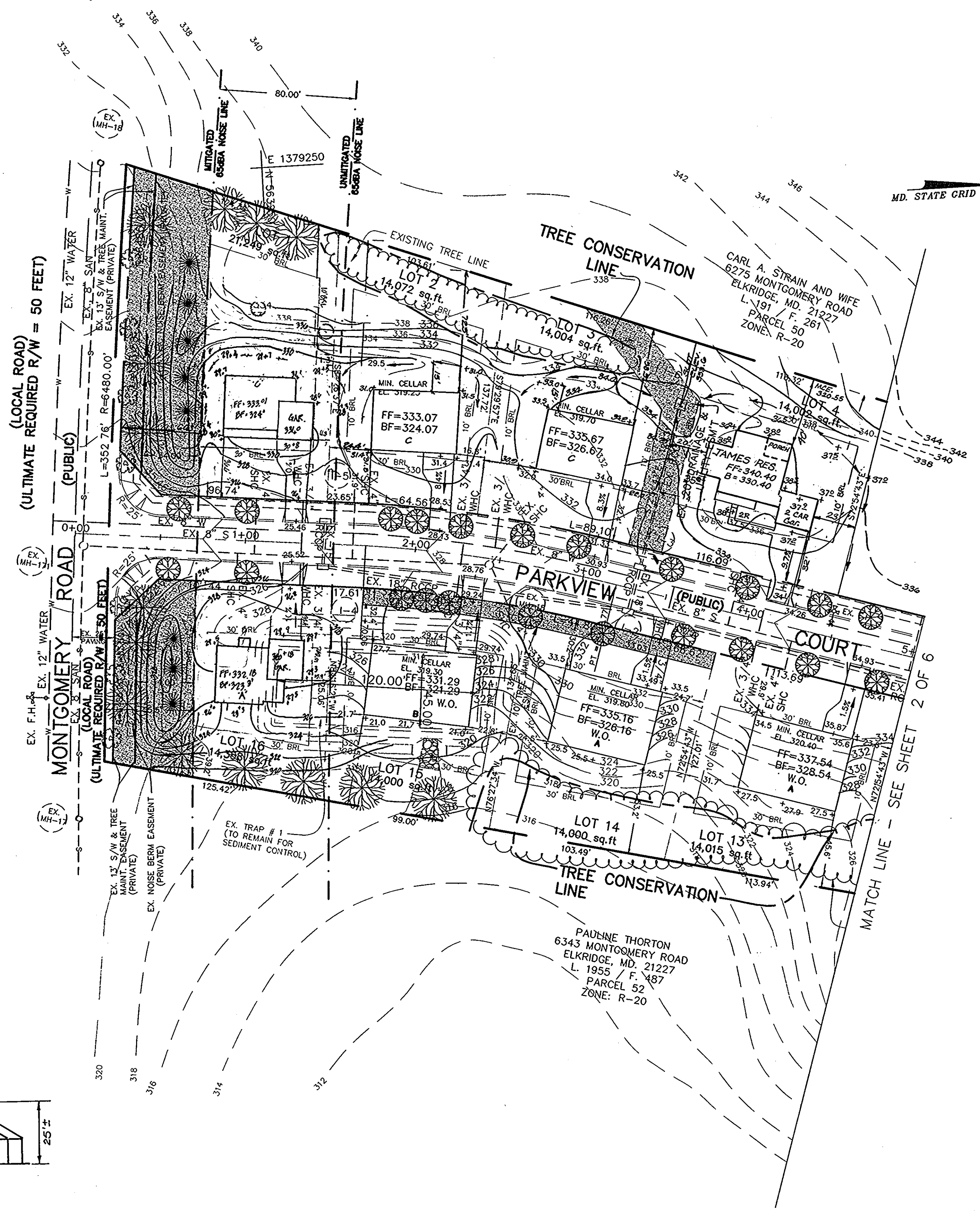
DRW. ASB **PROJ.:**

CHK. BIS **DATE:** 10-1-98

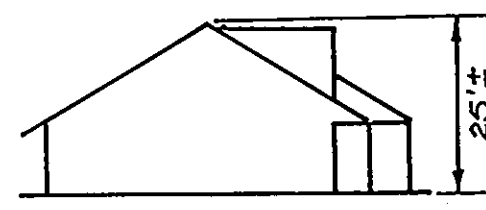
SCALE: 1"=40'

SHEET 2 OF 6

NO.	REVISION	DATE
1	REV. HSE #6RD LOT 5, ADD HSE TYPICAL BY CFS, INC.	5-31-99
2	REVISIONS	Date



JAMES RESIDENCE



NO	REVISIONS	DATE
2	NO BUILT GRASSES W/ 14' FROM CON. BOX TO EX. 1400.	1/4/99
1	From Gen Box to JAMES RES. LOT 4 & ADD USE TYP.	6-1-99



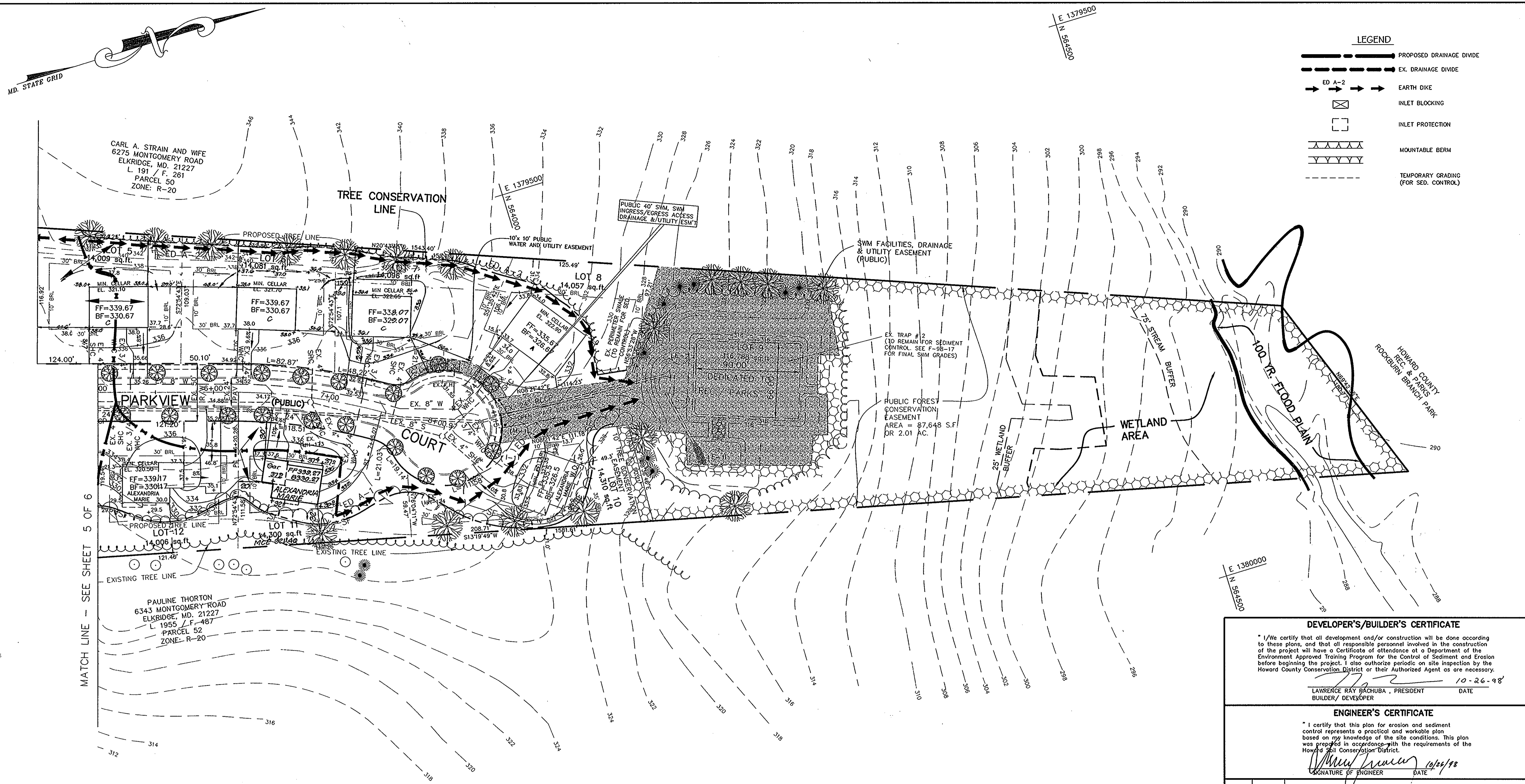
DEVELOPER'S/BUILDER'S CERTIFICATE
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 LAWRENCE RAY RACHUBA, PRESIDENT 10-26-98
 BUILDER/ DEVELOPER DATE

ENGINEER'S CERTIFICATE
 I certify that this plan for erosion and sediment control represents a practical and workable plan based on my knowledge of the site conditions. This plan was prepared in accordance with the requirements of the Howard Soil Conservation District.
 [Signature] 10/24/98
 SIGNATURE OF ENGINEER DATE

NO.	DATE	REVISION
		APPROVED HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
		[Signature] 10/24/98
		[Signature] 11/16/98
		[Signature] 11/16/98

PROJECT NAME: ROCKBURN RUN
 F-98-77 SINGLE FAMILY DETACHED SUBDIVISION
 P-97-05 LOTS 1-8 & 10-16
 S-95-17 A SUBDIVISION OF PARCEL NO. 51
 FIRST ELECTION DISTRICT TAX MAP 37 GRID/BLOCK # 5, PLAT NO. 13272
 HOWARD COUNTY, MARYLAND

TITLE: SITE DEVELOPMENT PLAN		OWNER/ DEVELOPER: DUCKETTS LANE, J.V. MR. L. RAY RACHUBA PRESIDENT 946-A MARSHWICH CT. ELDERSBURG, MARYLAND 21784
PREPARED BY: TECH GROUP, INC. [Signature]	DES. TTG	JOB:
DRW. ASB	PROJ.:	SCALE: 1"=40'
CHK. BIS	DATE: 10-1-98	SHEET 3 OF 6



LEGEND

- PROPOSED DRAINAGE DIVIDE
- EX. DRAINAGE DIVIDE
- ED A-2
- EARTH DIKE
- INLET BLOCKING
- INLET PROTECTION
- MOUNTABLE BERM
- TEMPORARY GRADING (FOR SED. CONTROL)

MATCH LINE - SEE SHEET 5 OF 6

CARL A. STRAIN AND WIFE
6275 MONTGOMERY ROAD
ELKRIDGE, MD. 21227
L. 191 / F. 261
PARCEL 50
ZONE: R-20

PAULINE THORNTON
6343 MONTGOMERY ROAD
ELKRIDGE, MD. 21227
L. 1955 / F. 487
PARCEL 52
ZONE: R-20

EX. SEDIMENT TRAP #1 - ST-II STONE OUTLET

EX. D.A. = 1.89 AC.
PROP. D.A. = 2.09 AC.
REQUIRED VOL. = 7,524 CF
VOLUME PROVIDED = 20,790 CF
CLEANOUT EL. = 315.29
WEIR CREST = 316.5
WEIR WIDTH = 8.36' MIN.
WET VOL. REQUIRED = 3,762 CF
WET VOL. PROVIDED = 9,639 CF
DRY VOL. REQUIRED = 3,762 CF
DRY VOL. PROVIDED = 11,151 CF
TOP ELEVATION = 319.0
TOP OF STONE = 318.0
BOTTOM ELEVATION = 314.0
BOTTOM DIMENSIONS = 90' X 66'

DEVELOPER'S/BUILDER'S CERTIFICATE

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LAWRENCE RAY RACHUBA, PRESIDENT
BUILDER/DEVELOPER

10-26-98
DATE

ENGINEER'S CERTIFICATE

"I certify that this plan for erosion and sediment control represents a practical and workable plan based on my knowledge of the site conditions. This plan was prepared in accordance with the requirements of the Howard Soil Conservation District."

Michael J. ...
SIGNATURE OF ENGINEER

10/26/98
DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

... 4/16/98
... 4/16/98
... 11/16/98

PROJECT NAME: **ROCKBURN RUN**
SINGLE FAMILY DETACHED SUBDIVISION
F-98-77
P-97-05
S-95-17
LOTS 1-8 & 10-16
A SUBDIVISION OF PARCEL NO. 51
FIRST ELECTION DISTRICT TAX MAP 37 GRID/BLOCK # 5, PLAT NO. 13272
HOWARD COUNTY, MARYLAND

TITLE: **SEDIMENT CONTROL PLAN**

OWNER/DEVELOPER: **DUCKETTS LANE, J.V.**
MR. L. RAY RACHUBA
PRESIDENT
946-A MARMICH CT.
ELDERSBURG, MARYLAND 21784

PREPARED BY: **TECH GROUP, INC.**

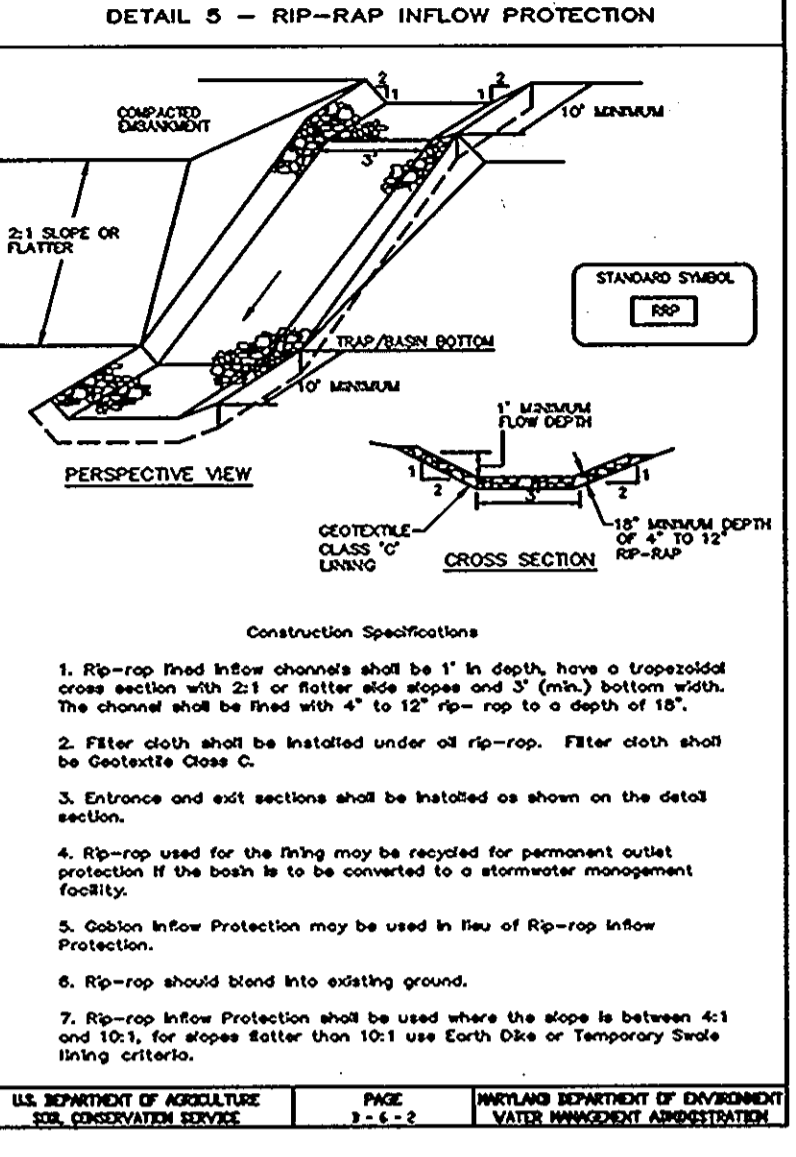
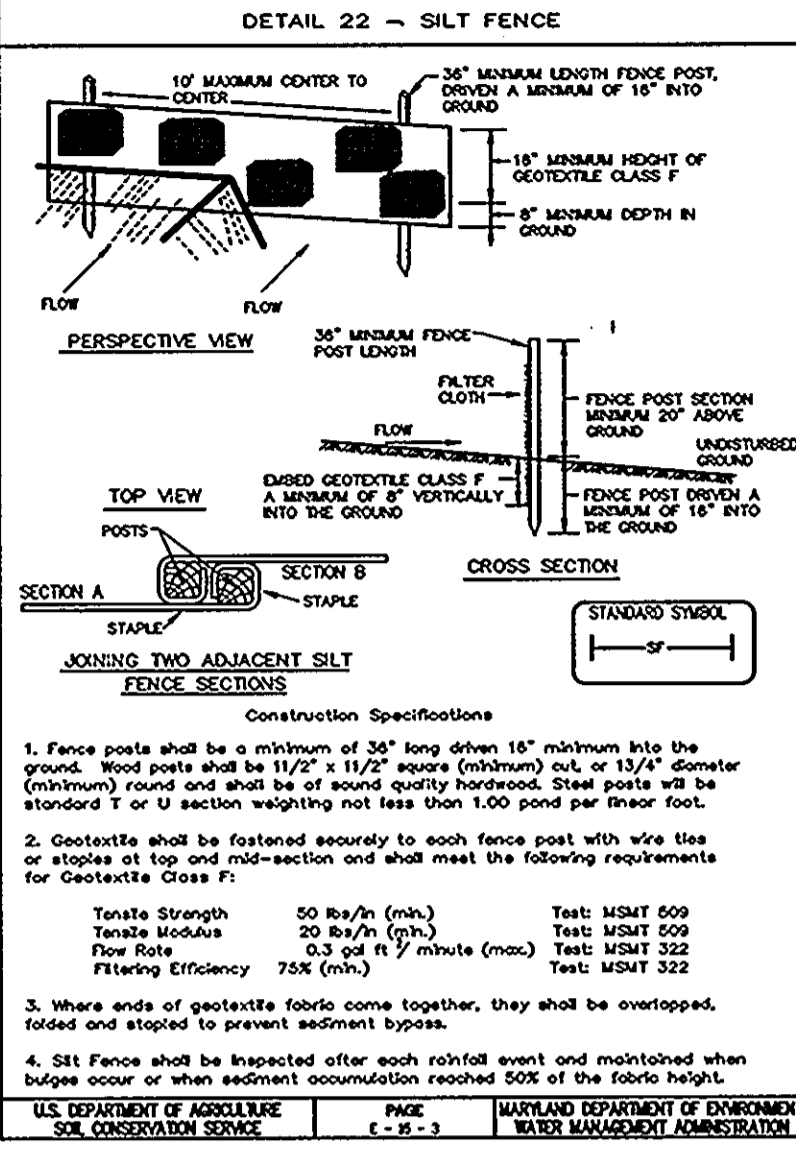
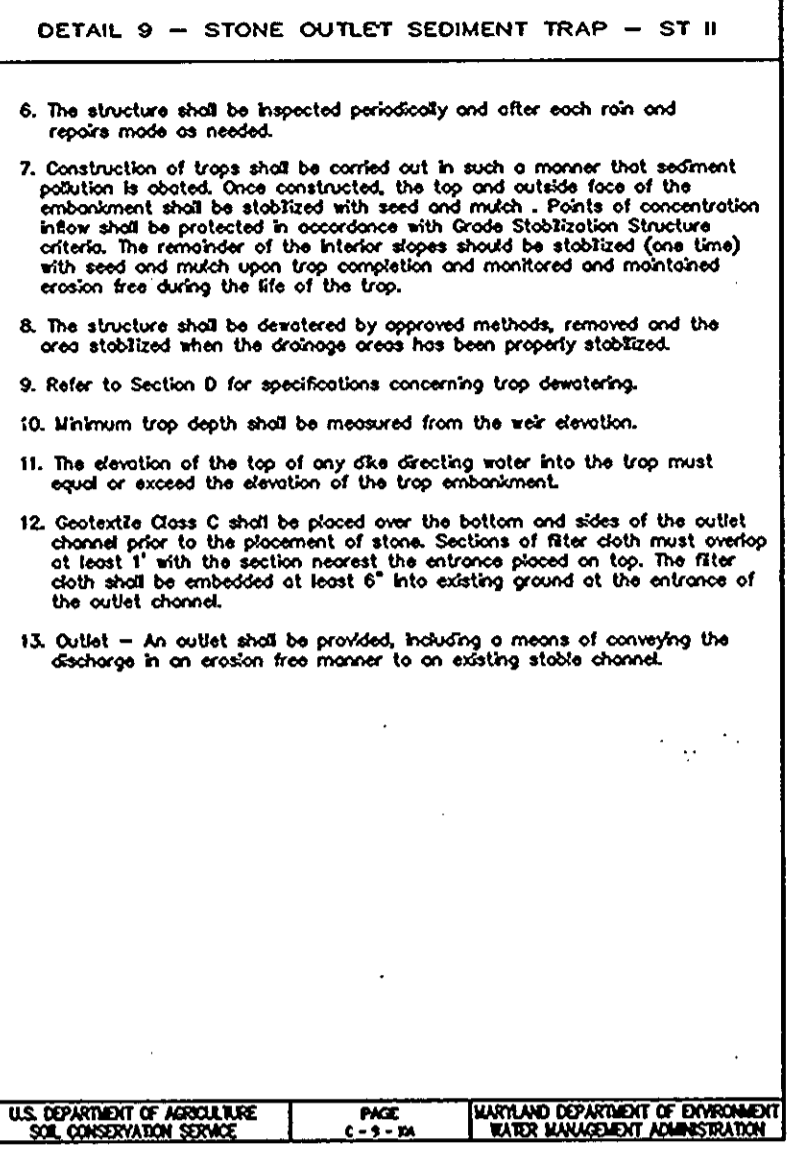
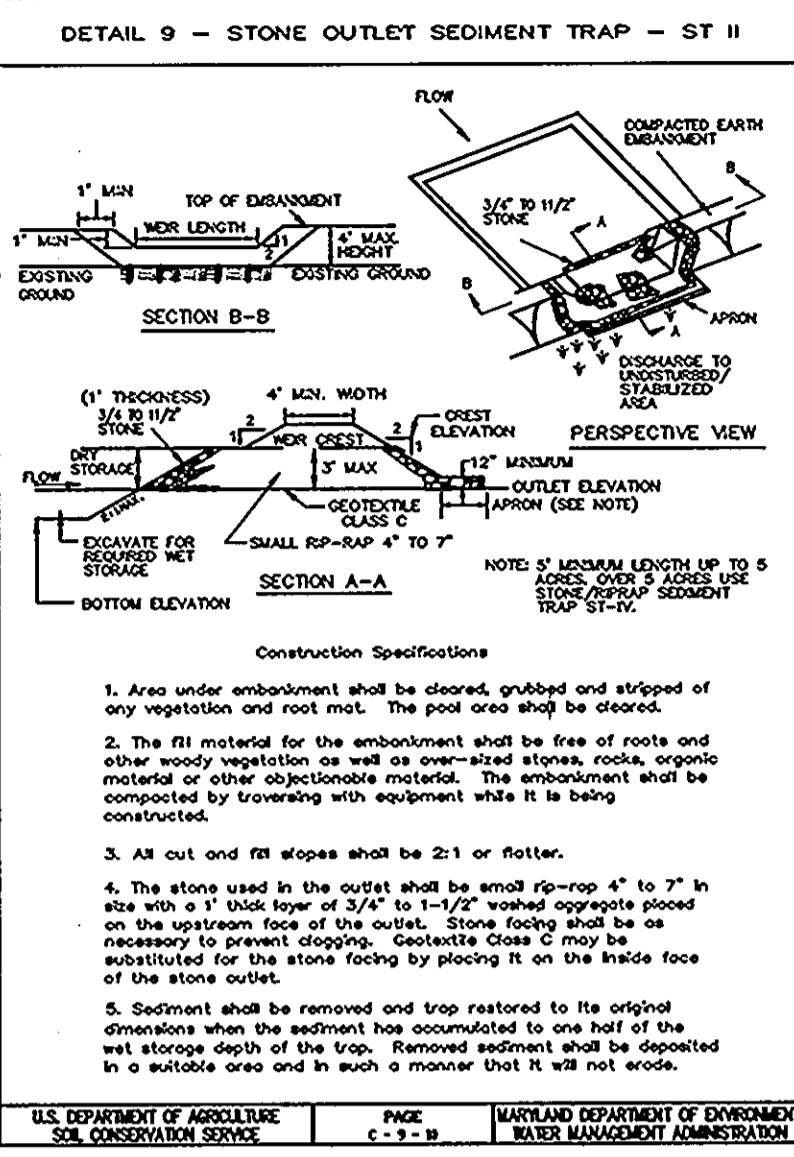
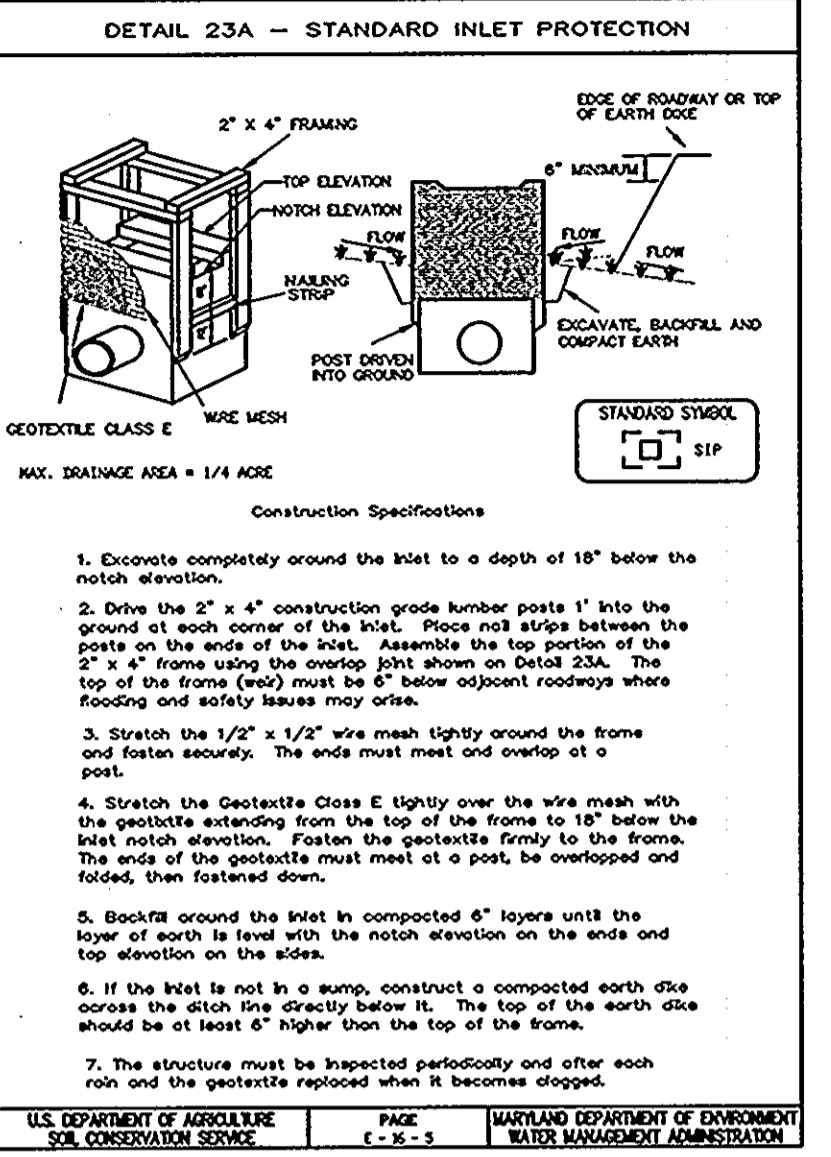
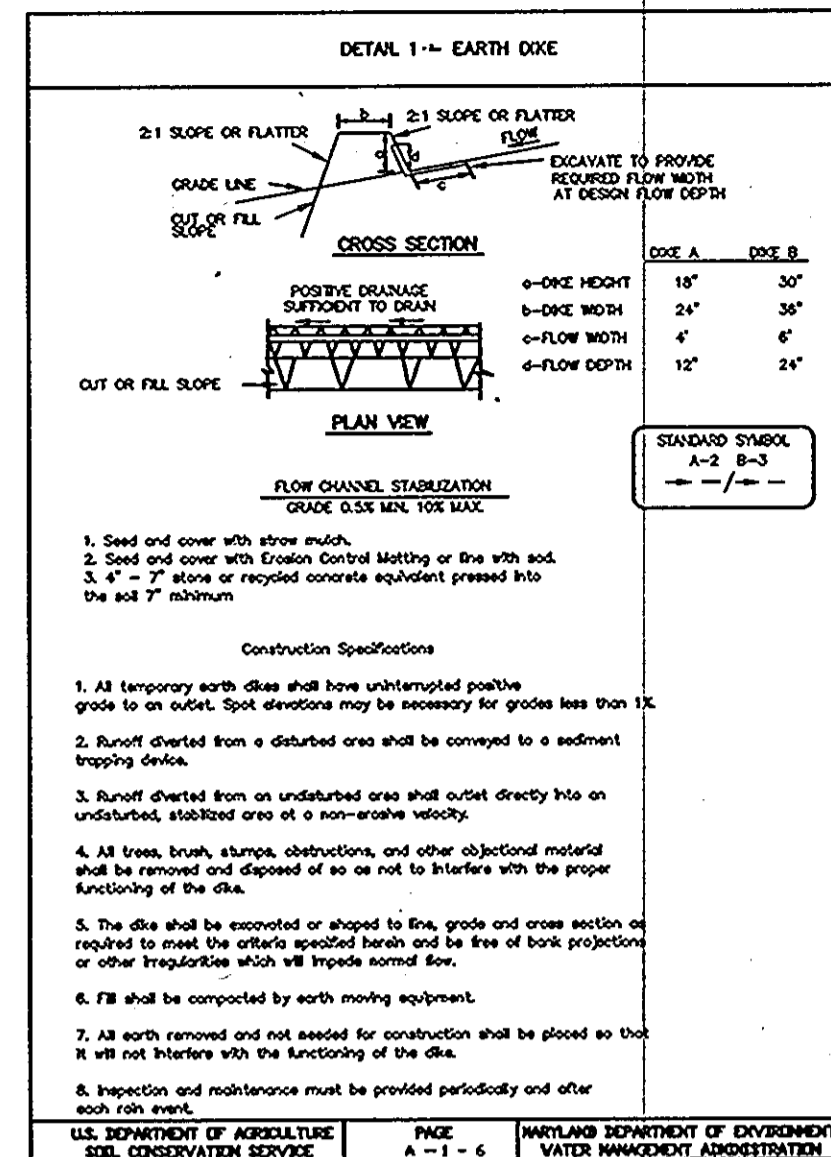
DES. ITG
DRW. ASB
CHK. BIS

JOB:
PROJ.:
DATE: 10-1-98

SCALE: **1"=40'**

SHEET 4 OF 6

1	Rev. hse. & grid lot 11	12-2-98
1/2	REVISIONS	Date



STANDARD AND SPECIFICATIONS FOR TOPSOIL

Definition

Placement of topsoil over a prepared subsoil prior to establishment of permanent vegetation.

Purpose

To provide a suitable soil medium for vegetation growth. Soil of coarsest texture but moisture content, low nutrient level, for its intended use.

Conditions Where Practice Applies

1. This practice is limited to areas having 2:1 or flatter slopes where:
 - a. The texture of the exposed subsoil/parent material is not adequate to produce vegetative growth.
 - b. The soil material is so shallow that the rooting zone is not deep enough to support plants or furnish continuing supplies of moisture and plant nutrients.
 - c. The original soil to be vegetated contains material toxic to plant growth.
 - d. The soil is so acidic that treatment with limestone is not feasible.
2. For the purpose of these Standards and Specifications, areas having slopes steeper than 2:1 shall not have the appropriate stabilization shown on the plans.

Construction and Material Specifications

1. Topsoil shipped from the supplier shall be provided that it meets the standards set forth in these specifications. Typically, the depth of topsoil to be advanced for a given soil type can be found in the representative section in the Soil Survey by USDA-SSC in cooperation with Maryland Department of Environment and Water Management Administration.
2. Topsoil Specifications - Soil to be used as topsoil must meet the following:
 - a. Topsoil shall be a loam, sandy loam, clay loam, sandy clay loam, loamy sand. Other soils may be used if recommended by an agronomist or soil scientist and approved by the appropriate regulatory authority. Topsoil shall not be substituted with other materials including manure, lime, fertilizer, rock, brick, trash, or other materials larger than 1/2" in diameter.
 - b. Topsoil must be free of plants or plant parts such as burdock grass, quackgrass, johnsongrass, nutgrass, poison ivy, weeds, or others as specified.
 - c. Where the topsoil is either highly acidic or composed of heavy clay, ground limestone shall be applied at the rate of 10 lbs/1,000 sq ft (or equivalent) prior to the placement of topsoil. Lime shall be distributed uniformly over the topsoil and the soil in conjunction with slope operations as described in the following procedures.
3. For sites having disturbed areas under 5 acres:
 - a. Place topsoil (if required) and apply to soil amendments as specified in 201 Vegetative Stabilization - Section 1 - Vegetative Stabilization Methods and Materials.
4. For sites having disturbed areas over 5 acres:
 - a. On soil meeting Topsoil Specifications, obtain test results indicating fertilizer and lime amendments required to bring the soil into compliance with the following:
 - i. Ph for topsoil shall be between 6.0 and 7.5. If the tested soil demonstrates a Ph of less than 6.0, sufficient lime shall be prescribed to raise the Ph to 6.5 or higher.
 - ii. Organic content of topsoil shall be not less than 1.5 percent by weight.
 - iii. Topsoil having soluble salt content greater than 500 parts per million shall not be used.
 - iv. No soil or seed shall be placed on soil which has been treated with acid startants or phosphorus used for seed control until sufficient time has lapsed (14 days min) to permit dispersion of phytotoxic materials.
 - b. Place topsoil (if required) and apply soil amendments as specified in 201 Vegetative Stabilization - Section 1 - Vegetative Stabilization Methods and Materials.
5. Topsoil Application:
 - a. When topsoil, mulch, seed, and fertilizer are applied, control practices such as Erosion Control, Grade Stabilization Structure, Earth Oils, Slope Silt Fence and Sediment Trap and Bank.
 - b. Grading on the areas to be topsoiled, which have been previously established, shall be maintained, about 1/2" higher in elevation.
 - c. Topsoil shall be uniformly distributed to a 4" - 6" layer and lightly compacted to a minimum thickness of 2". Spreading shall be performed in such a manner that seeding or mulching is done with a minimum of disturbance to the soil. Any irregularities in the surface resulting from topsoiling or other operations shall be corrected in order to prevent the formation of depressions or other defects.
 - d. Topsoil shall not be placed while the topsoil or subsoil is in a frozen or muddy condition, when the surface is excessively wet, or in a condition that may otherwise be detrimental to proper grading and seedling preparation.
6. Alternative for Permanent Seeding - Instead of applying the full amount of lime and commercial fertilizer, composted sludge and manure may be applied as specified below:
 - a. Composted sludge shall be applied to use as a soil conditioner for sites having disturbed areas over 5 acres shall be limited to the following requirements:
 - i. Composted sludge shall be applied by or through a person or persons that are permitted (at the time of application of the compost) by the Maryland Department of the Environment under COMAR 26.04.02.
 - ii. Composted sludge shall contain at least 1 percent nitrogen, 1.5 percent phosphorus, and 1.5 percent potassium and have a Ph of 7.0 to 8.5. If compost does not meet these requirements, the appropriate constituents must be added to meet the requirements prior to use.
 - iii. Composted sludge shall be applied at the rate of 1 ton/1,000 square feet. Composted sludge shall be amended with a potassium fertilizer applied at the rate of 1/2 ton/1,000 square feet, and 1/3 the normal application rate.

References: Grading Specifications, Soil Preparation and Seeding, MS-1, Pub. #1, 1993
 Conservation Service, University of Maryland and Virginia Polytechnic Institute, 1992

Sequence of Construction

1. Schedule a pre-construction meeting with the Howard County Grading and Sediment Control Inspector after obtaining grading permit. (1 day)
2. Install mountable beam and earth dikes starting at the West edge of the site. (3 days)
3. Inspect and repair existing sediment traps to ensure they are functioning as designed. (1 day)
4. Install final blocking and protection as shown on the plan. (1 day)
5. Perform all final grading as shown on the SDP. (8 months)
6. Begin lower construction (may be concurrent with item 5 above). (6 months)
7. Stabilize, seed and mulch disturbed areas. (1 year)
8. Begin removal of sediment control devices as construction drainage areas become stabilized, with the permission of the Sediment Control Inspector. Note: Obstruction earth dikes along the West edge of the site shall not be removed prior to removal of the sediment traps. (Timeline as needed)
9. Flush S.D. system when blocking is removed and prior to removal/transfer of sediment traps. (1 day)
10. After final trap #1 is removed all traps around lots 13 and 15. (1 week)
11. Final grade and construct houses on lots 13 and 15. (2 months)
12. Stabilize all remaining disturbed areas. (1 month)
13. Remove remaining sediment controls with the approval of the Sediment Control Inspector. (2 days)

Standard Sediment Control Notes:

1. A minimum of 48 hours notice must be given to the Howard County Office of Inspection and Permits prior to the start of any construction (313-1553).
2. All vegetation and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the 1994 Maryland Standards and Specifications for Soil Erosion and Sediment Control.
3. Following final soil disturbance or re-disturbance, permanent or temporary stabilization shall be completed within 7 calendar days for all permanent sediment control structures, dikes, sediment traps and all slopes greater than 3:1, 14 days or less for all other disturbed or graded areas on the project site.
4. All sediment traps/basins shown must be fenced and warning signs posted in accordance with V&E, chapter 15 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 1994 Maryland Standards and Specifications for Soil Erosion and Sediment Control for permanent seeding, seed and mulching. Temporary stabilization with mulch alone can only be done when recommended seeding dates do not allow for proper germination and establishment on 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:	8.8 AC
Disturbed area:	8.8 AC
Area to be seeded:	1.9 AC
Area to be mulched:	6.9 AC
Total seed:	—
Total mulch:	—
Other spot/seeding:	—
8. Any sediment control practice which is disturbed by grading activity for placement of utilities must be replaced on the same day of disturbance.
9. Additional sediment controls must be provided, if deemed necessary by the Howard County DPE Sediment Control Inspector.
10. On all sites with disturbed areas in excess of 2 acres, approval of the Inspection Agency shall be required upon completion of installation of permanent erosion and sediment controls, but before proceeding with any other earth disturbance or grading. Other building or grading inspection approval must be authorized under the initial approval by the Inspection Agency if made.

Permanent Seeding Notes:

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

Seedbed Preparation: Loosen upper three inches of soil by rolling, dicing or other acceptable means before seeding, unless previously loosened.

Soil Amendments: In lieu of soil test recommendations, use the following schedule:

1. Phosphorus - apply 2 tons per acre of 0-20-0 fertilizer (20 lbs/1,000 sq ft) before seeding. For sites 10-15-10 fertilizer (14 lbs/1,000 sq ft) before seeding. For sites 10-15-10 fertilizer (14 lbs/1,000 sq ft) before seeding. For sites 10-15-10 fertilizer (14 lbs/1,000 sq ft) before seeding. For sites 10-15-10 fertilizer (14 lbs/1,000 sq ft) before seeding.
2. Potassium - apply 2 tons per acre of 0-0-60 fertilizer (60 lbs/1,000 sq ft) before seeding. For sites 0-0-60 fertilizer (60 lbs/1,000 sq ft) before seeding. For sites 0-0-60 fertilizer (60 lbs/1,000 sq ft) before seeding. For sites 0-0-60 fertilizer (60 lbs/1,000 sq ft) before seeding.

Seeding: For the period March 1 thru April 30 and from August 1 thru November 15, seed with 2 1/2 bushels per acre of annual ryegrass (2.2 lbs/1,000 sq ft). For the period May 1 thru August 14, seed with 3 lbs per acre of annual ryegrass (3.0 lbs/1,000 sq ft). For the period November 16 thru February 28, protect site by applying 2 tons per acre of non-erect stem mulch and seed as soon as possible in the Spring, or use seed.

Mulching: Apply 1 1/2 to 2 tons per acre (10 to 20 lbs/1,000 sq ft) of untreated small grain straw immediately after seeding. Another mulch immediately after application using mulch containing seed or 218 gallons per acre (5 gal/1,000 sq ft) of mulch applied on flat areas. On slopes 8% or higher, use 345 gallons per acre (5 gal/1,000 sq ft) for covering. Refer to the 1994 Maryland Standards and Specifications for Soil Erosion and Sediment Control for rates and methods not covered.

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

Temporary Seeding Notes:

Apply to all graded or cleared areas that will be re-disturbed where a short-term vegetative cover is needed.

Seedbed Preparation: Loosen upper three inches of soil by rolling, dicing or other acceptable means before seeding, unless previously loosened.

Soil Amendments: Apply 600 lbs. per acre 10-10-10 fertilizer (14 lbs/1,000 sq ft).

Seeding: For the period March 1 thru April 30 and from August 1 thru November 15, seed with 2 1/2 bushels per acre of annual ryegrass (2.2 lbs/1,000 sq ft). For the period May 1 thru August 14, seed with 3 lbs per acre of annual ryegrass (3.0 lbs/1,000 sq ft). For the period November 16 thru February 28, protect site by applying 2 tons per acre of non-erect stem mulch and seed as soon as possible in the Spring, or use seed.

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SILT FENCE

Silt Fence Design Criteria

Slope Steepness	(Minimum) Slope Length	(Maximum) Silt Fence Length
Flatter than 50:1	unlimited	unlimited
50:1 to 10:1	125 feet	1,000 feet
10:1 to 5:1	100 feet	750 feet
5:1 to 3:1	60 feet	500 feet
3:1 to 2:1	40 feet	250 feet
2:1 and steeper	20 feet	125 feet

Note: In areas of less than 2% slope and sandy soils (USDA general classification system, soil Class A) minimum slope length and all fence length will be unlimited. In these areas a silt fence may be the only perimeter control required.

U.S. DEPARTMENT OF AGRICULTURE PAGE 1-1-6
 SOIL CONSERVATION SERVICE MARILAND DEPARTMENT OF ENVIRONMENT AND WATER MANAGEMENT ADMINISTRATION

DEVELOPER'S/BUILDER'S CERTIFICATE

I/We certify that all development and/or construction will be done according to these plans, and that all responsible personnel involved in the construction of the project will have a Certificate of attendance at a Department of the Environment Approved Training Program for the Control of Sediment and Erosion before beginning the project. I also authorize presence on site inspection by the Howard County Conservation District or their Authorized Agent as are necessary.

LAWRENCE RAY RACHUBA, PRESIDENT DATE 10-26-98
 BUILDER/DEVELOPER

ENGINEER'S CERTIFICATE

I certify that this plan for erosion and sediment control represents a practical and workable plan based on my knowledge of the site conditions. This plan was prepared in accordance with the requirements of the Howard County Conservation District.

Signature of Engineer DATE 10/24/98

NO. DATE REVISION

APPROVED HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

Chief, Division of Land Development DATE 11/16/98
 Director DATE 11/16/98

PROJECT NAME: ROCKBURN RUN
 SINGLE FAMILY DETACHED SUBDIVISION
 LOTS 1-8 & 10-16
 A SUBDIVISION OF PARCEL NO. 51
 FIRST ELECTION DISTRICT TAX MAP 37 GRID/BLOCK # 5, PLAT NO. 13272
 HOWARD COUNTY, MARYLAND

OWNER/DEVELOPER: DUCKETTS LANE, J.V.
 MR. L. RAY RACHUBA
 PRESIDENT
 946-A MARLBOROUGH CT.
 ELDERSBURG, MARYLAND 21784

PREPARED BY: THE TECHNICAL GROUP, INC.
 4700 Route 202, Suite 200, P.O. Box 30775
 Columbia, MD 21045-0775
 Tel: (410) 336-1607
 Fax: (410) 336-1607

DES. TTG **JOB:**
DRW. ASB **PROJ.:** **SCALE:** 1"=40'
CHK. BIS **DATE:** 10-1-98 **SHEET 6 OF 6**