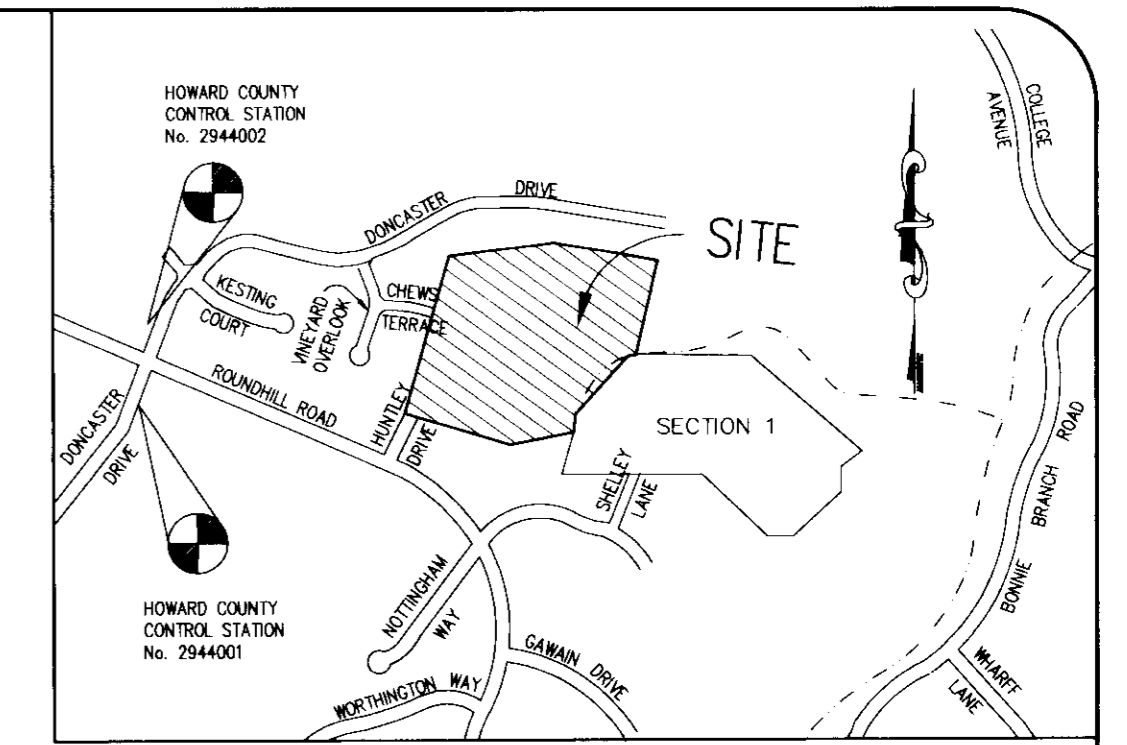


ADDRESS CHART	
LOT NO.	STREET ADDRESS
28	4604 ISAAC DRIVE
29	4608 ISAAC DRIVE
30	4612 ISAAC DRIVE
31	4616 ISAAC DRIVE
32	4611 ISAAC DRIVE
33	4607 ISAAC DRIVE
34	4612 HUNTLEY DRIVE
35	4616 HUNTLEY DRIVE
36	4620 HUNTLEY DRIVE
37	4624 HUNTLEY DRIVE
38	4604 TERRY DRIVE
39	4608 TERRY DRIVE
40	4612 TERRY DRIVE
41	4616 TERRY DRIVE
42	4620 TERRY DRIVE
43	4621 TERRY DRIVE
44	4617 TERRY DRIVE
45	4613 TERRY DRIVE
46	4609 TERRY DRIVE
47	4605 TERRY DRIVE
48	4632 HUNTLEY DRIVE
49	4636 HUNTLEY DRIVE
50	4640 HUNTLEY DRIVE
51	4644 HUNTLEY DRIVE
52	4648 HUNTLEY DRIVE
53	4652 HUNTLEY DRIVE
54	4656 HUNTLEY DRIVE
55	4660 HUNTLEY DRIVE
56	4673 HUNTLEY DRIVE
57	4669 HUNTLEY DRIVE
58	4665 HUNTLEY DRIVE
59	4661 HUNTLEY DRIVE
60	4657 HUNTLEY DRIVE
61	4653 HUNTLEY DRIVE
62	4649 HUNTLEY DRIVE
63	4645 HUNTLEY DRIVE
64	4641 HUNTLEY DRIVE
65	4637 HUNTLEY DRIVE
66	4633 HUNTLEY DRIVE
67	4629 HUNTLEY DRIVE
68	4625 HUNTLEY DRIVE
69	4621 HUNTLEY DRIVE
70	4617 HUNTLEY DRIVE
71	4613 HUNTLEY DRIVE
72	4609 HUNTLEY DRIVE
73	4605 HUNTLEY DRIVE
74	4615 ISAAC DRIVE (OPEN SPACE)

# SITE DEVELOPMENT PLAN AUTUMN VIEW - SECTION 2

## 2nd ELECTION DISTRICT HOWARD COUNTY, MARYLAND

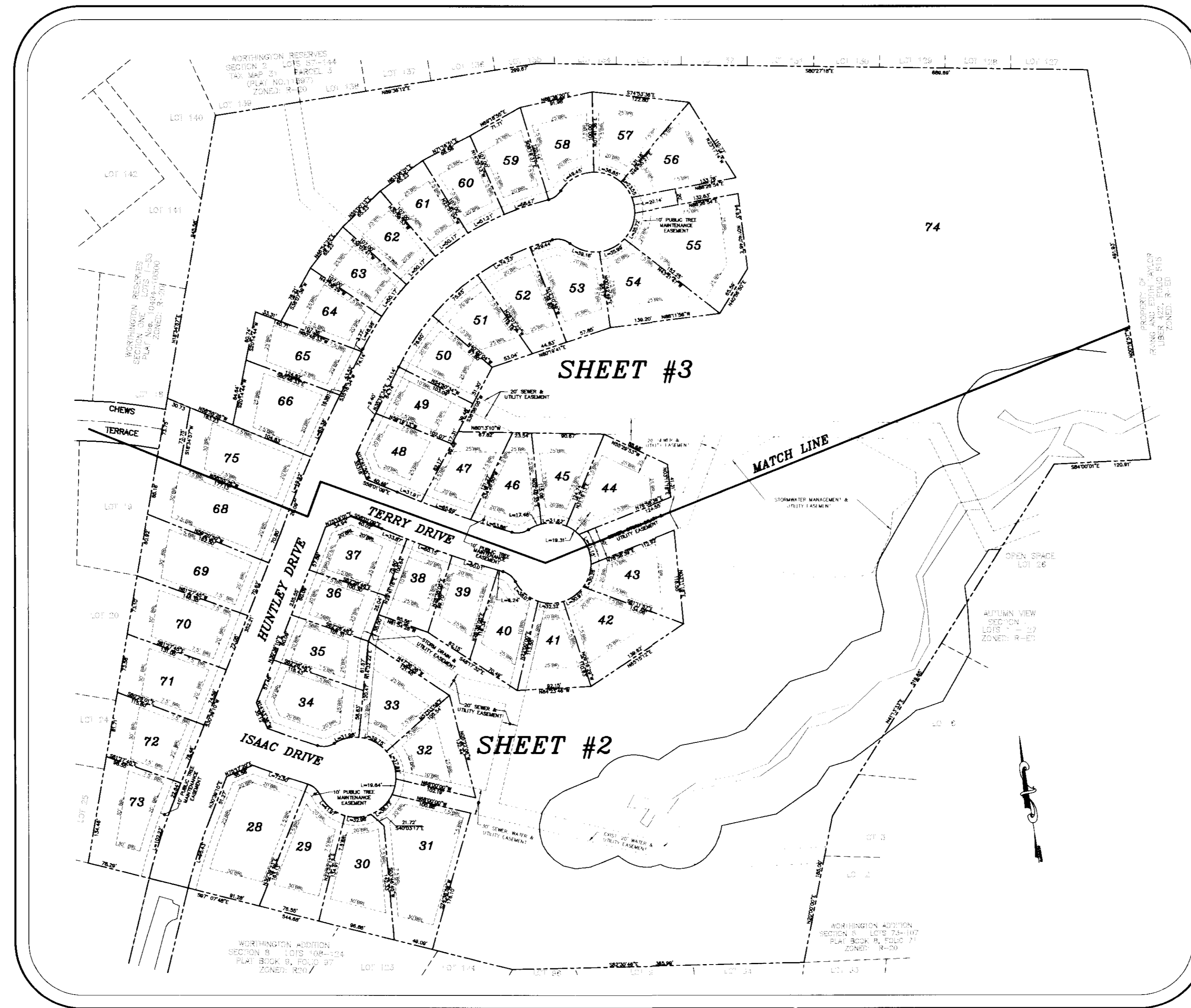


VICINITY MAP  
SCALE: 1"=1000'

SEWER HOUSE CONECTION		
LOT NO.	INV. @ PROPERTY LINE	MIN. CELLAR EL.
28	490.85	494.05
29	482.50	486.10
30	478.20	483.30
31	472.40	476.04
32	480.48	483.50
33	485.02	471.72
34	488.30	491.60
35	478.50	485.30
36	477.85	483.85
37	478.60	485.70
38	474.02	479.67
39	466.12	470.02
40	465.80	468.90
41	463.40	466.50
42	462.24	465.50
43	453.63	456.79
44	453.02	455.84
45	454.98	458.00
46	468.14	471.39
47	471.20	475.70
48	482.05	485.35
49	482.30	485.20
50	485.30	485.20
51	481.63	484.93
52	483.70	487.00
53	484.82	488.52
54	485.78	488.18
55	486.50	489.85
56	486.50	491.35
57	486.50	489.90
58	485.32	488.23
59	484.63	487.50
60	482.04	485.00
61	481.71	484.68
62	481.37	484.37
63	481.21	484.23
64	481.06	484.32
65	482.13	484.59
66	482.13	485.03
67	481.70	483.50
68	489.25	492.15
69	489.22	492.32
70	488.80	492.10
71	489.31	493.81
72	500.36	498.60
73	496.74	500.30
74	458.65	

**LEGEND**

- EXISTING CONTOUR 2' INTERVAL
- EXISTING CONTOUR 10' INTERVAL
- PROPOSED CONTOUR 2' INTERVAL
- PROPOSED CONTOUR 10' INTERVAL
- 496x25 SPOT ELEVATION
- W/O PROPOSED WALKOUT
- FF FIRST FLOOR ELEVATION
- B BASEMENT ELEVATION
- SF SILT FENCE
- EARTH DIKE
- EXISTING TREE LINE
- PROP. TREE LINE
- SIGNIFICANT TREE TO REMAIN
- DRY WELL
- LIMIT OF DISTURBANCE
- SC 3 STABILIZED CONSTR. ENTRANCE



INDEX MAP  
SCALE: 1"=100'

**GENERAL NOTES:**

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY AND MSHA STANDARDS AND SPECIFICATIONS, IF APPLICABLE.
- THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS/CONSTRUCTION INSPECTION DIVISION AT (410)-313-1880 AT LEAST FIVE (5) WORKING DAYS PRIOR TO THE START OF WORK.
- THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK.
- PROJECT BACKGROUND:
  - LOCATION: TAX MAP 31, 2ND ELECTION DISTRICT.
  - ZONING: R-ED
  - AREA: 28.40 AC. (1,149,984 SQ. FT.)
  - REFER TO: S-94-01, P-95-20, F-96-13, F-97-67, F-97-94
  - PROPOSED USE: SINGLE FAMILY DETACHED
  - TOTAL NUMBER OF UNITS ALLOWED: 46
  - TOTAL NUMBER OF UNITS PROVIDED: 46
  - OPEN SPACE ON SITE: 15.29 AC. AND 57.91% OF GROSS AREA
  - RECREATIONAL OPEN SPACE REQUIRED: 250 X 48 = 11,500 AC.
  - RECREATIONAL OPEN SPACE PROVIDED: 11,500 AC.
  - TOTAL NUMBER OF BUILDABLE LOTS\* 46
  - TOTAL AREA OF BUILDABLE LOTS: 9.01 AC. ±
- COORDINATES BASED ON NAD'27 MARYLAND COORDINATE SYSTEM AS PROJECTED BY HOWARD COUNTY GEODETIC CONTROL STATIONS NO. 2944001 AND 2944002
  - STA. NO. 2944001 N 513669.929 E 858664.268 EL. 528.21
  - STA. NO. 2944002 N 514196.358 E 858596.389 EL. 535.57
- TOPOGRAPHY BASED ON FIELD RUN BY FISHER, COLLINS AND CARTER, INC. DATED FEBRUARY 1993.
- BOUNDARY BASED ON A RECORD PLAT NO. 12167 RECORDED MAY 28, 1996.
- NO FLOODPLAIN EXIST ON SITE.
- NO BURIAL OR CEMETERY SITES EXIST ON THE SITE.
- REFER TO CONTRACT NOS. 14-3448-D FOR WATER AND SEWER SERVICE.
- ALL DRIVEWAYS SHALL BE HOWARD COUNTY STANDARD R6.06 OR R6.05
- ALL CULVERTS SHALL BE 12" CMP UNLESS OTHERWISE NOTED.
- PROPERTY IS SUBJECT TO PB. CASE NO. 297 APPROVED SEPTEMBER 1, 1994.
- NO CLEARING, GRADING OR CONSTRUCTION IS PERMITTED WITHIN WETLANDS, AND STREAM BUFFERS OR FOREST CONSERVATION AREAS, EXCEPT AS SHOWN ON APPROVED PLANS.

**SHEET INDEX**

SHEET	TITLE
1	COVER SHEET
2	GENERIC SITE DEVELOPMENT PLAN
3	GENERIC SITE DEVELOPMENT PLAN
4	SEDIMENT CONTROL NOTES AND DETAILS
5	GENERIC DETAILS AND NOTES
6	LANDSCAPE PLAN
7	LANDSCAPE PLAN

**PERMIT INFORMATION CHART**

SUBDIVISION NAME		SECTION/AREA	LOT #		
AUTUMN VIEW		SECTION 2	LOTS 28-66, 68-74 & 75		
PLAT NO.	BLOCK #	ZONE	TAX/ZONE MAP	ELEC. DIST.	CENSUS TRACT
12537-12540	3	R-ED	31	2ND	6027
WATER CODE		SEWER CODE			
G01		1253400			

**OWNER**  
BONNIE BRANCH CORPORATION  
P.O. BOX. 396  
ELLCOTT CITY, MARYLAND 21043

**DEVELOPER**  
PULTE HOMES CORPORATION  
1501 SOUTH EDGEWOOD STREET  
BALTIMORE, MARYLAND 21227  
(410) 644-5603

11/21/94

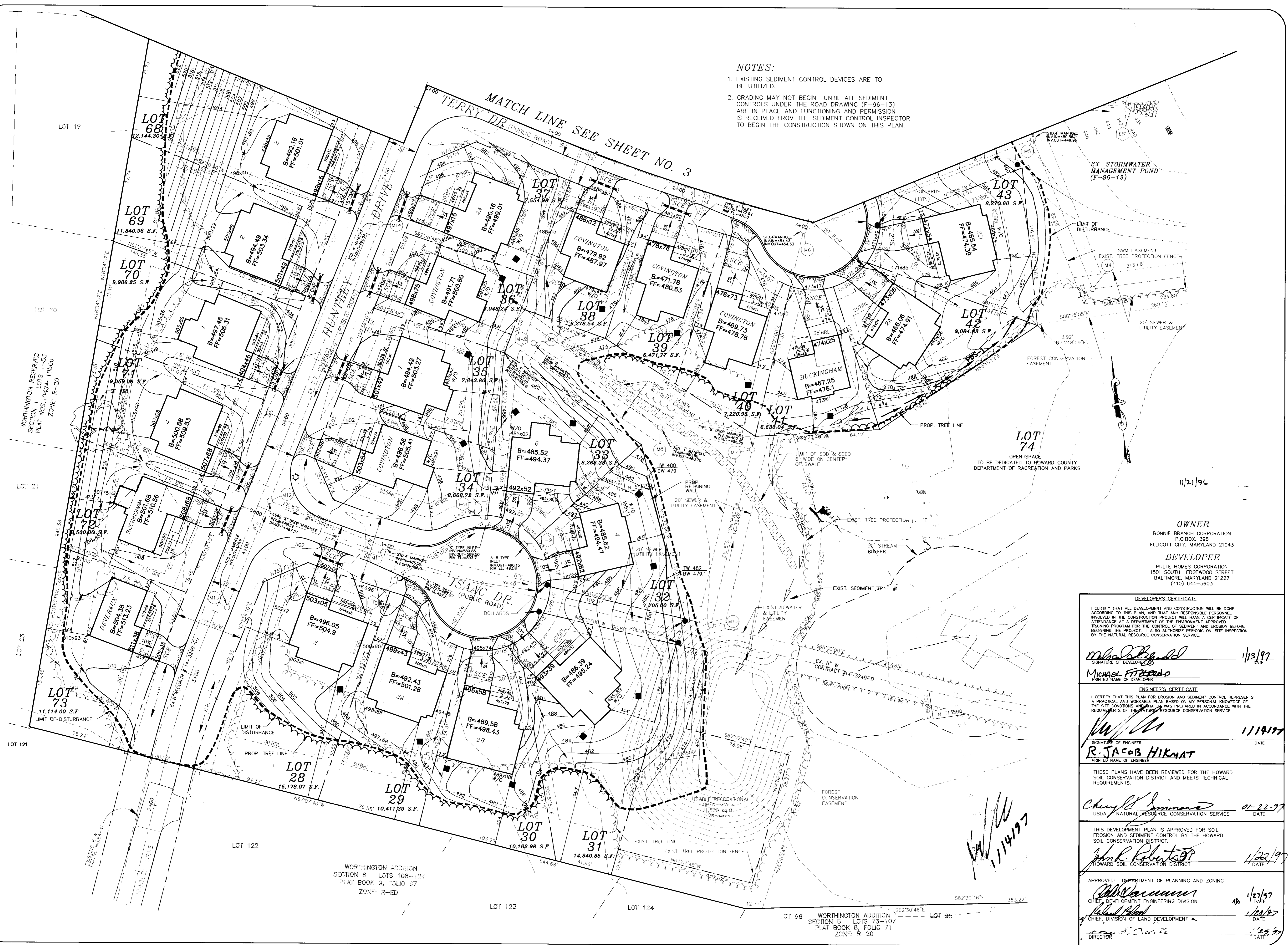
*Handwritten signature and date: 11/14/97*

APPROVED: DEPARTMENT OF PLANNING AND ZONING  
 [Signature] 1/27/97  
 CHIEF, DEVELOPMENT ENGINEERING DIVISION  
 [Signature] 1/28/97  
 CHIEF, DIVISION OF LAND DEVELOPMENT  
 [Signature] 2/2/97  
 DIRECTOR

DEC 96	MMP	RJH
98033	RCJ/MMP	1" = 30'

TAX MAP 31, P/O PARCEL 13, BLOCK 3  
 AUTUMN VIEW SECTION 2  
 LOTS 28-66, 68-74 AND 75  
 SECOND ELECTION DISTRICT  
 HOWARD COUNTY  
 COVER SHEET

**MILDENBERG, BOENDER & ASSOC., INC.**  
 Engineers Planners Surveyors  
 5072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland 21042  
 (410) 997-0296 Fax (301) 621-5521 Wash. (410) 997-0298 Fax



**NOTES:**

- EXISTING SEDIMENT CONTROL DEVICES ARE TO BE UTILIZED.
- GRADING MAY NOT BEGIN UNTIL ALL SEDIMENT CONTROLS UNDER THE ROAD DRAWING (F-96-13) ARE IN PLACE AND FUNCTIONING AND PERMISSION IS RECEIVED FROM THE SEDIMENT CONTROL INSPECTOR TO BEGIN THE CONSTRUCTION SHOWN ON THIS PLAN.

EX. STORMWATER MANAGEMENT POND (F-96-13)

**OWNER**  
 BONNIE BRANCH CORPORATION  
 P.O. BOX 395  
 ELLICOTT CITY, MARYLAND 21043

**DEVELOPER**  
 PULTE HOMES CORPORATION  
 1501 SOUTH EDGEWOOD STREET  
 BALTIMORE, MARYLAND 21227  
 (410) 644-5603

**DEVELOPER'S CERTIFICATE**

I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION 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 PERSONS ON-SITE INSPECTING BY THE NATURAL RESOURCE CONSERVATION SERVICE.

*Michael Fitzgerald* 1/13/97  
 SIGNATURE OF DEVELOPER DATE  
 MICHAEL FITZGERALD  
 PRINTED NAME OF DEVELOPER

**ENGINEER'S CERTIFICATE**

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 AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE NATURAL RESOURCE CONSERVATION SERVICE.

*R. Jacob Hikmat* 1/14/97  
 SIGNATURE OF ENGINEER DATE  
 R. JACOB HIKMAT  
 PRINTED NAME OF ENGINEER

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

*Cheryl L. Jimenez* 01-22-97  
 SIGNATURE OF REVIEWER DATE  
 USDA - NATURAL RESOURCE CONSERVATION SERVICE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

*Paul Roberts* 1/22/97  
 SIGNATURE OF REVIEWER DATE  
 HOWARD SOIL CONSERVATION DISTRICT

APPROVED: DEPARTMENT OF PLANNING AND ZONING

*[Signature]* 1/23/97  
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

*[Signature]* 1/20/97  
 CHIEF, DIVISION OF LAND DEVELOPMENT DATE

*[Signature]* 1-25-97  
 DIRECTOR DATE

Project	96033	Date	JULY 96
Illustration	M.M.P.	Engineering	M.M.P.
Scale	1"=80'	Approval	R.J.H.

Change House Type From	GENERIC TO ROCKINGHAM	Date	2/20/97
Reason	ASBESTOS	Approval	

TAX MAP 31, P/O PARCEL 13, BLOCK 3  
 AUTUMN VIEW SECTION 2  
 LOTS 28-66, 68-74 AND 75  
 HOWARD COUNTY  
 SECOND ELECTION DISTRICT  
 SITE DEVELOPMENT PLAN

**MILDENBERG, BOENDER & ASSOC., INC.**  
 Engineers Planners Surveyors  
 5072 Dorsey Hill Drive, Suite 202, Ellicott City, Maryland, 21042  
 (410) 997-0236 Balt. (301) 621-5521 Wash. (410) 997-0236 Fax

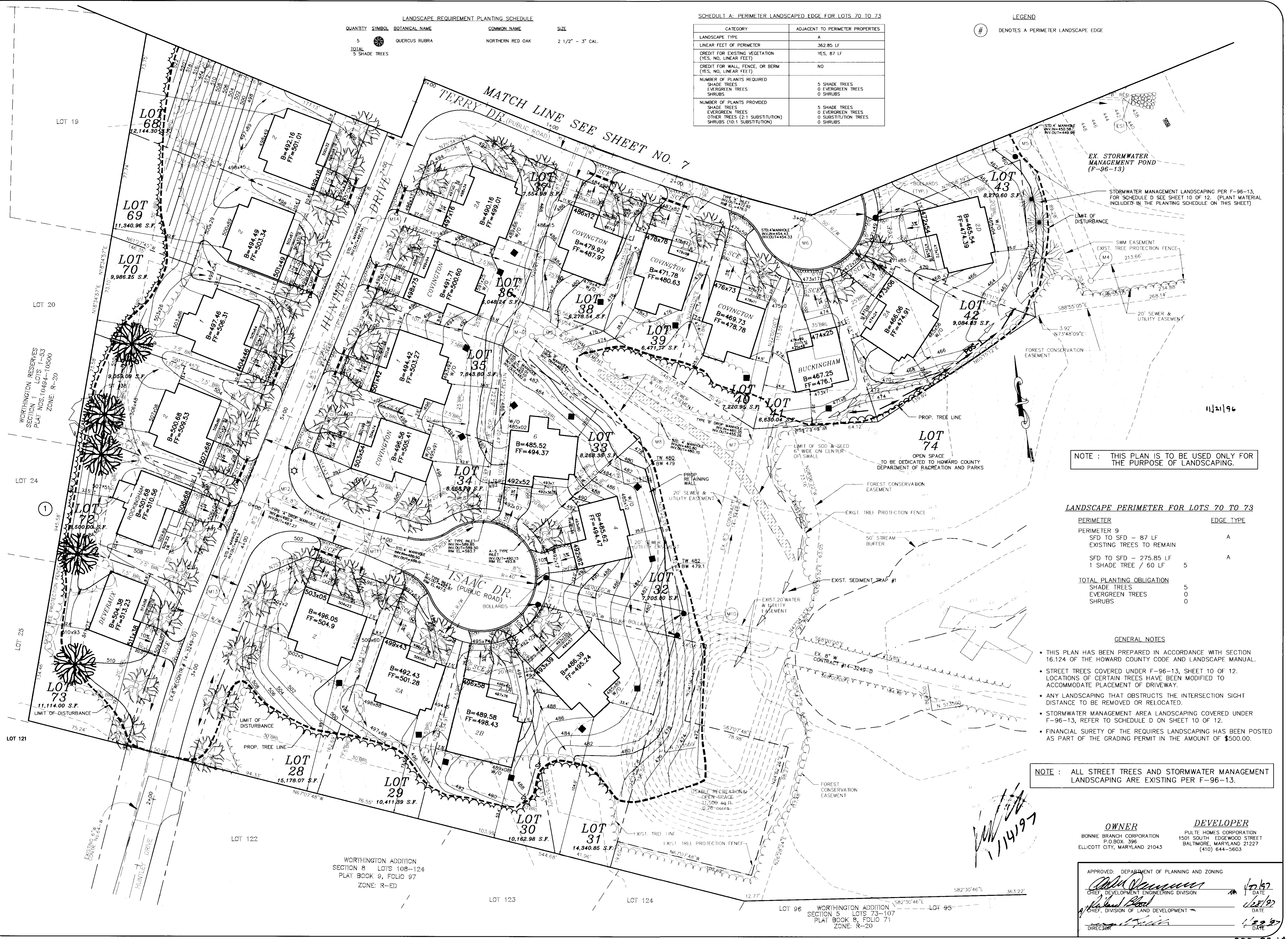
LANDSCAPE REQUIREMENT PLANTING SCHEDULE

QUANTITY	SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE
5		QUERCUS RUBRA	NORTHERN RED OAK	2 1/2" - 3" CAL.
5		SHADE TREES		

SCHEDULE A: PERIMETER LANDSCAPED EDGE FOR LOTS 70 TO 73

CATEGORY	ADJACENT TO PERIMETER PROPERTIES
LANDSCAPE TYPE	A
LINEAR FEET OF PERIMETER	362.85 LF
CREDIT FOR EXISTING VEGETATION (YES, NO, LINEAR FEET)	YES, 87 LF
CREDIT FOR WALL, FENCE, OR BERM (YES, NO, LINEAR FEET)	NO
NUMBER OF PLANTS REQUIRED	5 SHADE TREES 0 EVERGREEN TREES 0 SHRUBS
NUMBER OF PLANTS PROVIDED	5 SHADE TREES 0 EVERGREEN TREES 0 SUBSTITUTION TREES 0 SHRUBS

LEGEND  
# DENOTES A PERIMETER LANDSCAPE EDGE



NOTE: THIS PLAN IS TO BE USED ONLY FOR THE PURPOSE OF LANDSCAPING.

LANDSCAPE PERIMETER FOR LOTS 70 TO 73

PERIMETER	EDGE TYPE
PERIMETER 9	
SFD TO SFD - 87 LF	A
EXISTING TREES TO REMAIN	
SFD TO SFD - 275.85 LF	A
1 SHADE TREE / 60 LF	5
<b>TOTAL PLANTING OBLIGATION</b>	
SHADE TREES	5
EVERGREEN TREES	0
SHRUBS	0

- GENERAL NOTES
- THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH SECTION 16.124 OF THE HOWARD COUNTY CODE AND LANDSCAPE MANUAL.
  - STREET TREES COVERED UNDER F-96-13, SHEET 10 OF 12. LOCATIONS OF CERTAIN TREES HAVE BEEN MODIFIED TO ACCOMMODATE PLACEMENT OF DRIVEWAY.
  - ANY LANDSCAPING THAT OBSTRUCTS THE INTERSECTION SIGHT DISTANCE TO BE REMOVED OR RELOCATED.
  - STORMWATER MANAGEMENT AREA LANDSCAPING COVERED UNDER F-96-13, REFER TO SCHEDULE D ON SHEET 10 OF 12.
  - FINANCIAL SURETY OF THE REQUIRES LANDSCAPING HAS BEEN POSTED AS PART OF THE GRADING PERMIT IN THE AMOUNT OF \$500.00.

NOTE: ALL STREET TREES AND STORMWATER MANAGEMENT LANDSCAPING ARE EXISTING PER F-96-13.

OWNER: BONNIE BRANCH CORPORATION, P.O. BOX 396, ELLICOTT CITY, MARYLAND 21043

DEVELOPER: PULTE HOMES CORPORATION, 1501 SOUTH EDGEWOOD STREET, BALTIMORE, MARYLAND 21227, (410) 644-5603

APPROVED: DEPARTMENT OF PLANNING AND ZONING

*[Signature]* CHIEF, DEVELOPMENT ENGINEERING DIVISION, DATE: 1/25/97

*[Signature]* CHIEF, DIVISION OF LAND DEVELOPMENT, DATE: 1/25/97

DIRECTOR: DATE: 1/25/97

DATE: JULY 96  
PROJECT: 96033  
SUBMITTER: M.M.P.  
SCALE: 1"=30'  
PROJECT NO.: 96033  
DRAWN BY: R.J.H.

TAX MAP 31, P/O PARCEL 13, BLOCK 3  
AUTUMN VIEW SECTION 2  
LOTS 28-66, 68-74 AND 75  
SECOND ELECTION DISTRICT  
HOWARD COUNTY

MILDENBERG, BOENDER & ASSOC., INC.  
Engineers Planners Surveyors  
5072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland 21042  
(410) 987-0296 Fax: (301) 621-5321, Wash. (410) 997-0298 Fax.

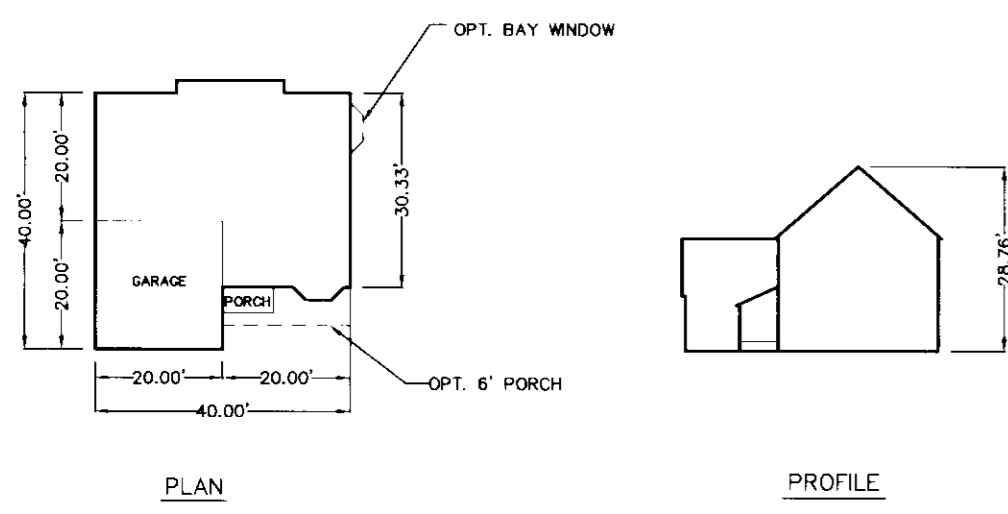
LANDSCAPE PLAN

6 OF 7

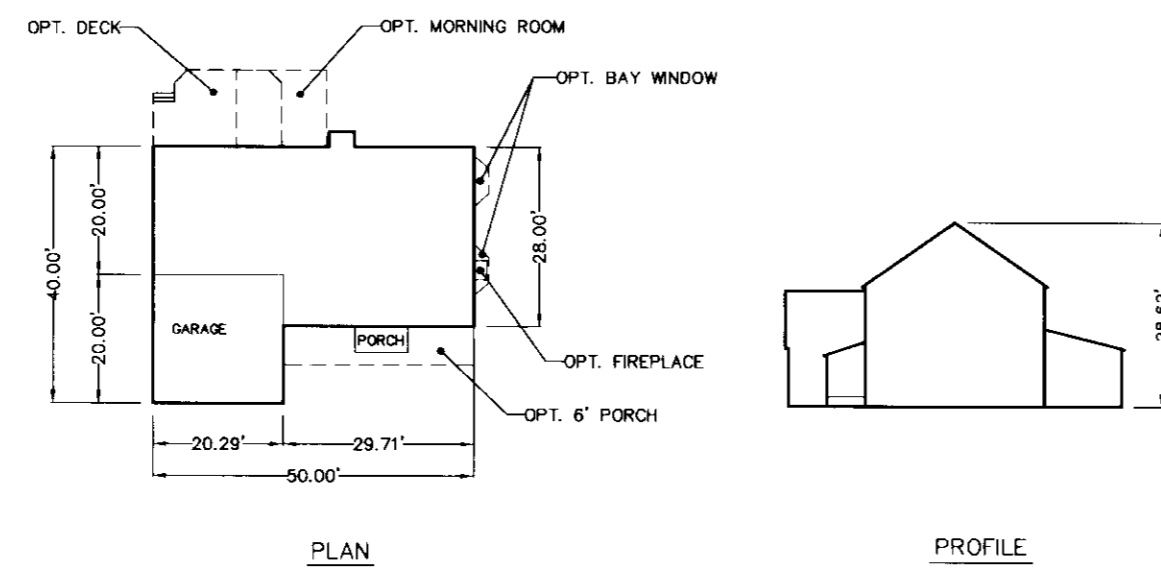
SDP-97-14

# HOUSE MODELS

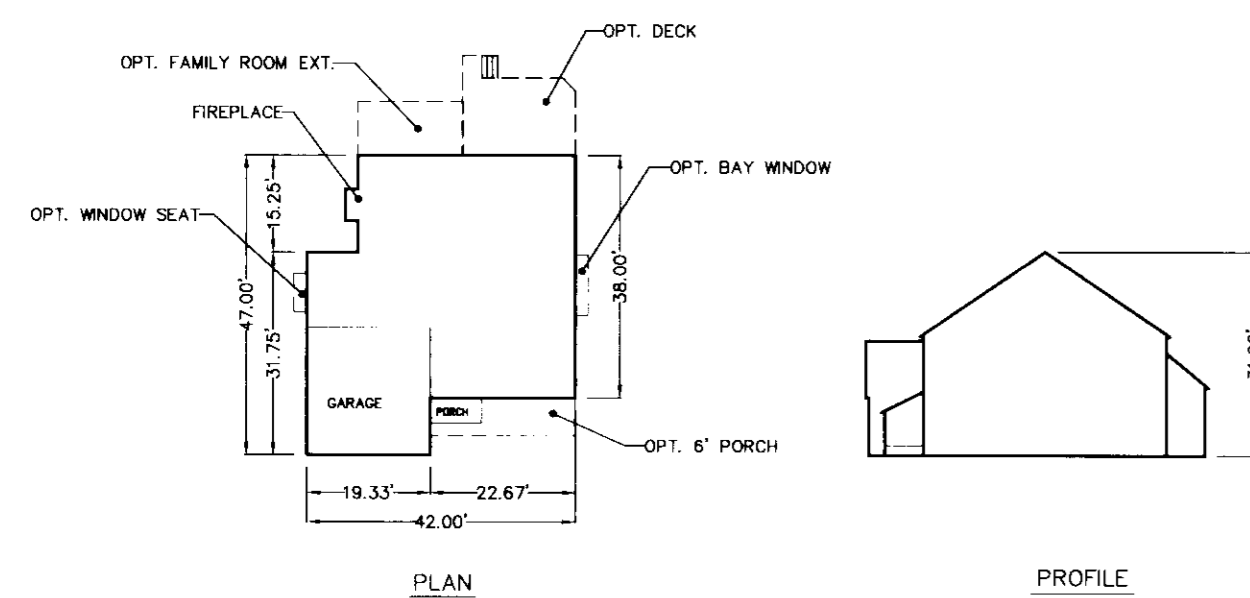
# GENERIC BOXES



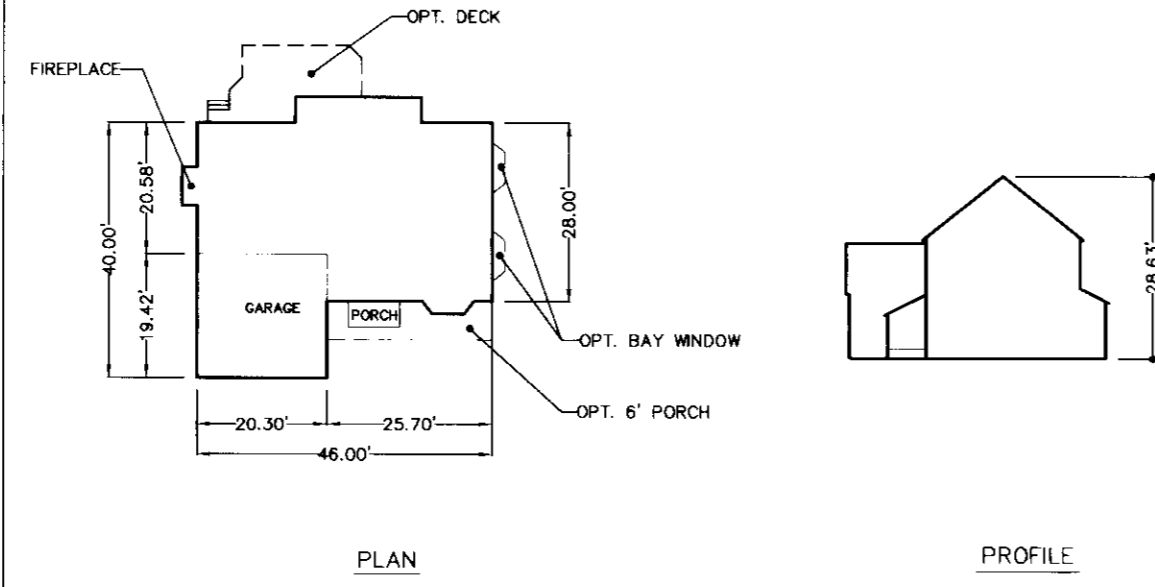
BUCKINGHAM



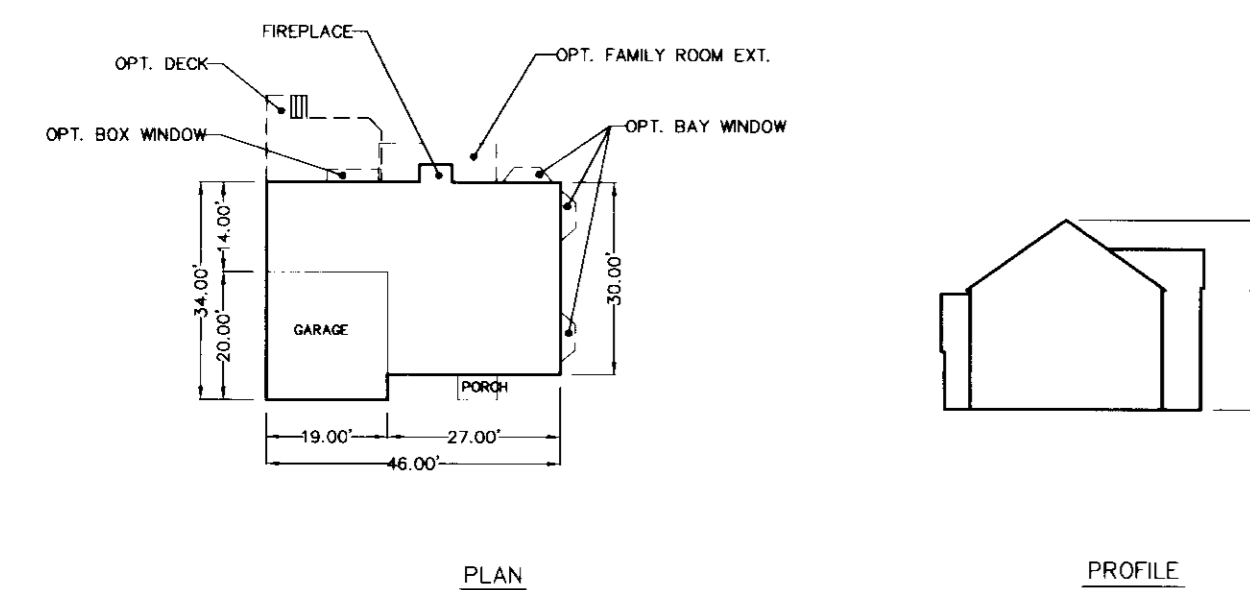
ROCKINGHAM



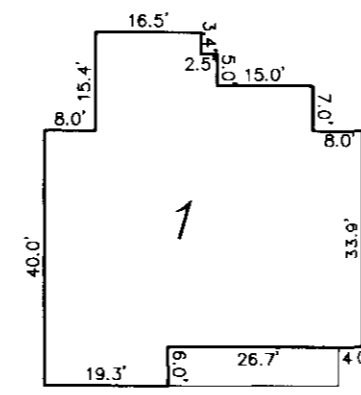
COVINGTON



ASHTON II

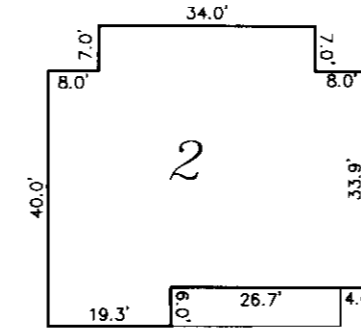


DEVEREUX



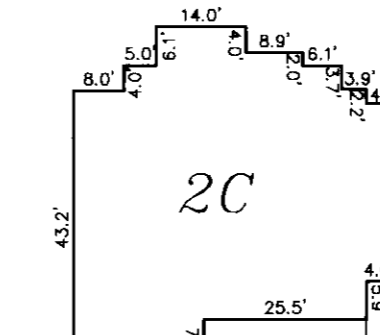
BOX-1

ASHTON II (ALL OPTIONS)  
DEVERAUX (ALL OPTIONS)  
COVINGTON (ALL OPTIONS)  
ROCKINGHAM (ALL OPTIONS)  
BUCKINGHAM (ALL OPTIONS)



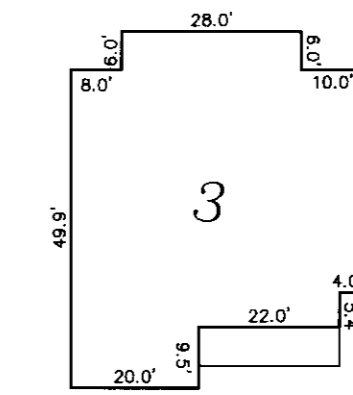
BOX-2

ASHTON II (ALL OPTIONS)  
DEVERAUX (ALL OPTIONS)  
COVINGTON (NO FAM.ROOM EXTENSION)  
ROCKINGHAM (NO FAM.ROOM EXTENSION)  
BUCKINGHAM (ALL OPTIONS)



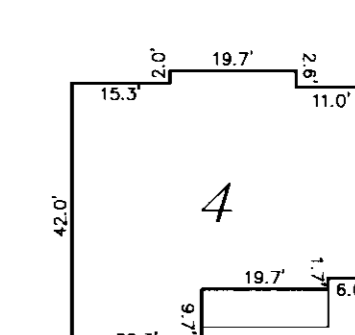
BOX-2C

ASHTON II (ALL OPTIONS)  
DEVERAUX (ALL OPTIONS)  
COVINGTON (NO FAM.ROOM EXTENSION)  
ROCKINGHAM (FAM.ROOM EXTENSION OR FRONT PORCH)  
BUCKINGHAM (ALL OPTIONS)



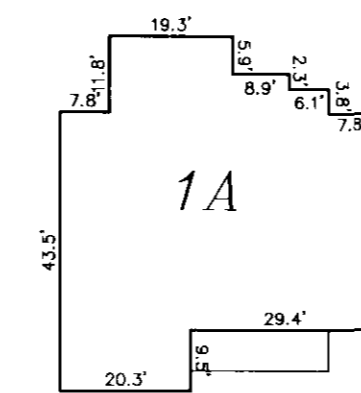
BOX-3

ASHTON II (ALL OPTIONS)  
DEVERAUX (ALL OPTIONS)  
COVINGTON (ALL OPTIONS)  
BUCKINGHAM (ALL OPTIONS)



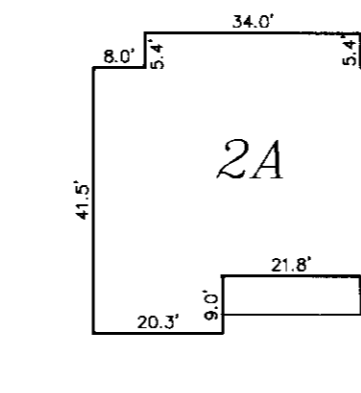
BOX-4

ASHTON II (NO FRONT PORCH)  
DEVERAUX (NO FAM.ROOM EXTENSION)  
BUCKINGHAM (ALL OPTIONS)



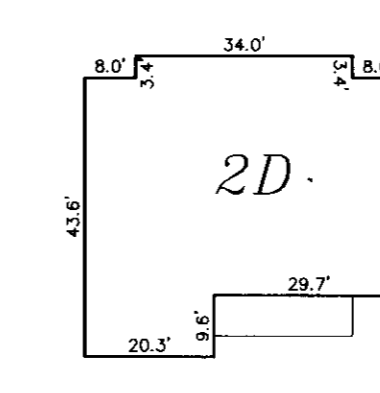
BOX-1A

ASHTON II (ALL OPTIONS)  
DEVERAUX (ALL OPTIONS)  
COVINGTON (ALL OPTIONS)  
ROCKINGHAM (ALL OPTIONS)  
BUCKINGHAM (ALL OPTIONS)



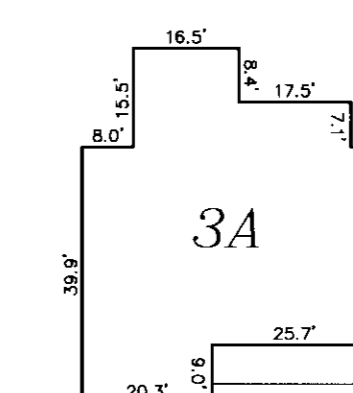
BOX-2A

ASHTON II (ALL OPTIONS)  
DEVERAUX (ALL OPTIONS)  
COVINGTON (NO FAM.ROOM EXTENSION)  
ROCKINGHAM (NO FAM.ROOM EXTENSION)  
BUCKINGHAM (ALL OPTIONS)



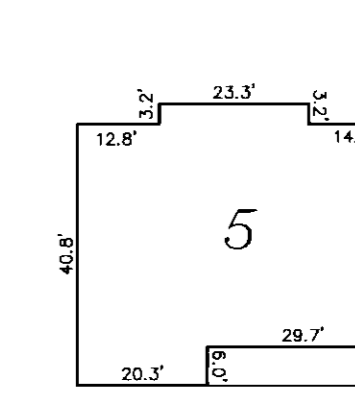
BOX-2D

ASHTON II (ALL OPTIONS)  
DEVERAUX (ALL OPTIONS)  
COVINGTON (NO FAM.ROOM EXTENSION)  
ROCKINGHAM (NO FAM.ROOM EXTENSION)  
BUCKINGHAM (ALL OPTIONS)



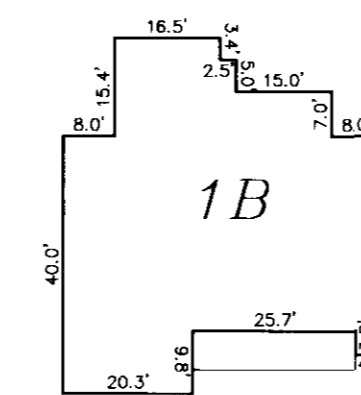
BOX-3A

ASHTON II (ALL OPTIONS)  
DEVERAUX (ALL OPTIONS)  
COVINGTON (ALL OPTIONS)  
BUCKINGHAM (ALL OPTIONS)



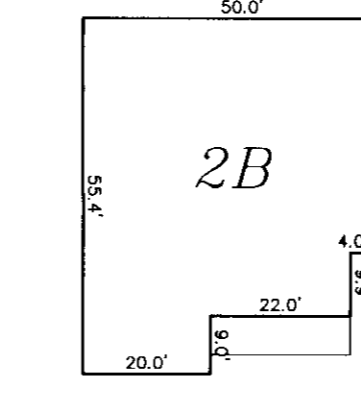
BOX-5

ASHTON II (ALL OPTIONS)  
DEVERAUX (ALL OPTIONS)  
ROCKINGHAM (NO FAM.ROOM EXTENSION)  
BUCKINGHAM (ALL OPTIONS)



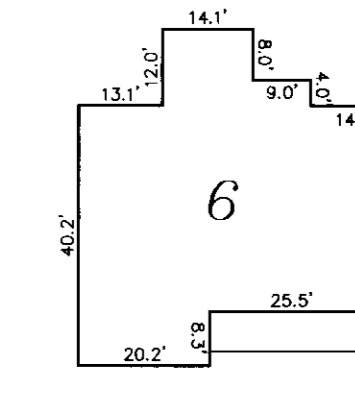
BOX-1B

ASHTON II (ALL OPTIONS)  
DEVERAUX (ALL OPTIONS)  
COVINGTON (ALL OPTIONS)  
ROCKINGHAM (ALL OPTIONS)  
BUCKINGHAM (ALL OPTIONS)



BOX-2C

ASHTON II (ALL OPTIONS)  
DEVERAUX (ALL OPTIONS)  
COVINGTON (ALL OPTIONS)  
ROCKINGHAM (NO FAM.ROOM EXTENSION)  
BUCKINGHAM (ALL OPTIONS)



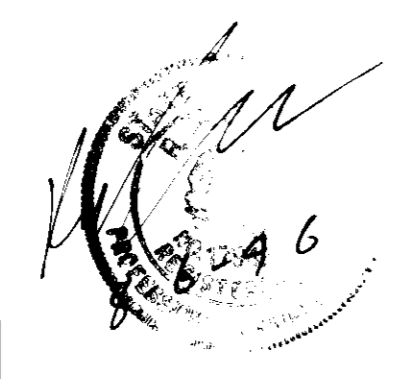
BOX-6

ASHTON II (ALL OPTIONS)  
DEVERAUX (ALL OPTIONS)  
ROCKINGHAM (ALL OPTIONS)  
BUCKINGHAM (ALL OPTIONS)

**NOTE:**

MULTIPLE GENERIC BOXES ARE PROVIDED FOR THE SAME MODELS TO ACCOUNT FOR HOUSES ORIENTATION AND LOT GEOMETRY.

APPROVED: DEPARTMENT OF PLANNING AND ZONING  
 CHIEF, DEVELOPMENT ENGINEERING DIVISION  
 CHIEF, DIVISION OF LAND DEVELOPMENT  
 DATE: 1/21/97  
 DATE: 1/28/97  
 DATE: 1/22/97



**OWNER**  
 BONNIE BRANCH CORPORATION  
 P.O. BOX. 396  
 ELLICOTT CITY, MARYLAND 21043

**DEVELOPER**  
 PULTE HOMES CORPORATION  
 1501 SOUTH EDGEWOOD STREET  
 BALTIMORE, MARYLAND 21227

DATE: JULY 1996  
 PROJECT: 96033  
 ILLUSTRATOR: HCS/MMP  
 ENGINEER: MMP  
 SCALE: 1" = 30'

TAX MAP 31, P/O PARCEL 13, BLOCK 3  
 AUTUMN VIEW - SECT.2, LOTS 28-74  
 SECOND ELECTION DISTRICT  
 HOWARD COUNTY

**MILDENBERG, BOENDER & ASSOC., INC.**  
 Engineers Planners Surveyors  
 5072 Dorsy Hill Drive, Suite 202, Ellicott City, Maryland 21042  
 (410) 997-0286, Balt. (301) 621-5321, Wash. (410) 937-0238 Fax.

11/21/96

5 OF 7

**HOWARD SOIL CONSERVATION DISTRICT**

**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, IF NOT PREVIOUSLY LOOSENED.

SOIL AMENDMENTS: IN LIEU OF SOIL TEST RECOMMENDATIONS, USE ONE OF THE FOLLOWING SCHEDULES:

- PREFERRED - APPLY 2 TONS PER ACRES DOLOMITIC LIMESTONE (92 LBS./1000 SQ.FT.) AND 800 LBS. PER ACRE 10-10-10 FERTILIZER (14 LBS./1000 SQ.FT.) BEFORE SEEDING. HARROW OR DISK 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.).
- 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 DISK INTO UPPER THREE INCHES OF SOIL.

SEEDING - FOR THE PERIODS MARCH 1 THRU APRIL 30, AND AUGUST 1 THRU OCTOBER 15, SEED WITH 60 LBS. PER ACRE 1 1/2 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 2 1/2 GALLONS PER ACRE (5 GAL/1000 SQ.FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPES 8 FEET OR HIGHER, USE 3 1/2 GALLONS PER ACRE (7 GAL/1000 SQ.FT.) FOR ANCHORING.

MAINTENANCE - INSPECT ALL SEEDING 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, 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 OCTOBER 15, SEED WITH 2-1/2 BUSHEL PER ACRE OF ANNUAL RYE (3.2 LBS./1000 SQ.FT.) FOR THE PERIOD MAY 1 THRU AUGUST 14, SEED WITH 3 LBS. PER ACRE OF WEEPING LOVEGRASS (.07 LBS./1000 SQ.FT.). FOR THE PERIOD NOVEMBER 16 THRU NOVEMBER 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 WEED FREE SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 2 1/2 GAL PER ACRE (5 GAL/1000 SQ.FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPES 8 FEET OR HIGHER, USE 3 1/2 GAL PER ACRE (7 GAL/1000 SQ.FT.) FOR ANCHORING.

REFER TO THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR ADDITIONAL RATES AND METHODS NOT COVERED.

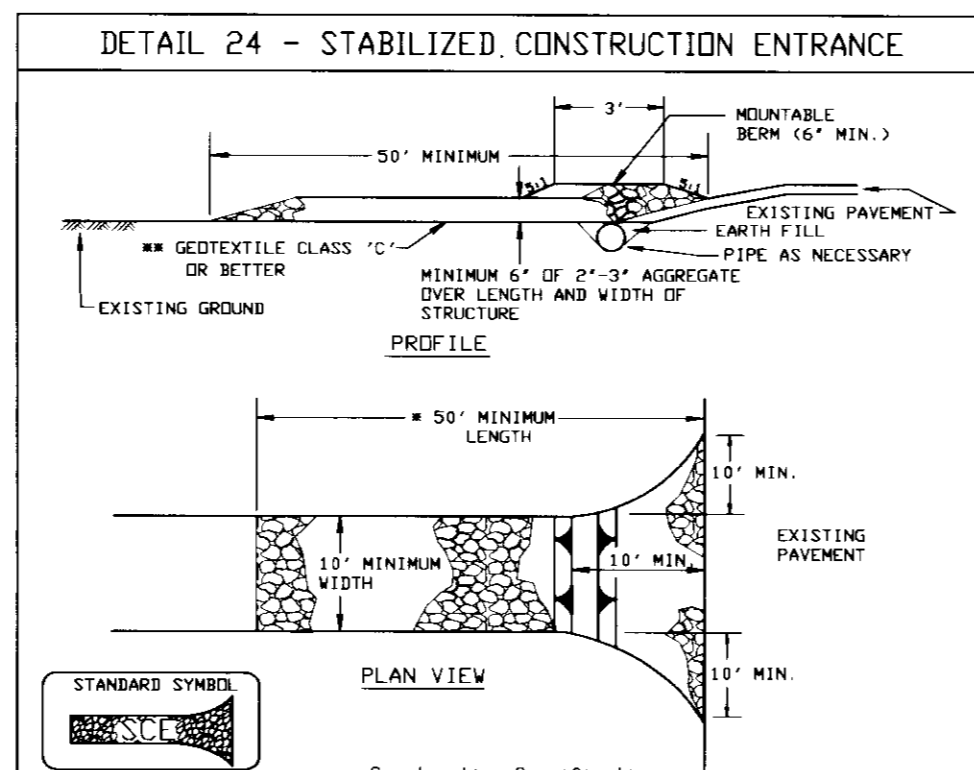
**STANDARD SEDIMENT CONTROL NOTES**

- A MINIMUM OF 48 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS, SEDIMENT CONTROL DIVISION PRIOR TO THE START OF ANY CONSTRUCTION. (313-1855).
- ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE MOST CURRENT MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, AND REVISIONS THERE TO.
- 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.
- 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.
- ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1991 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.

- 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.
- SITE ANALYSIS:  
TOTAL AREA OF SITE: 26.4 ACRES  
AREA DISTURBED: 14.7 ACRES  
AREA TO BE ROOFED OR PAVED: 6.0 ACRES  
AREA TO BE VEGETATIVELY STABILIZED: 8.7 ACRES  
TOTAL CUT: 27,500 CU. YDS.  
TOTAL FILL: 27,500 CU. YDS.  
TOTAL WASTE/BORROW AREA LOCATION: \_\_\_\_\_
- ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.
- ADDITIONAL SEDIMENT CONTROL MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- 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.
- TRENCHES FOR THE CONSTRUCTION OF UTILITIES IS LIMITED TO THREE PIPE LENGTHS OR THAT WHICH CAN BE BACK FILLED AND STABILIZED WITHIN ONE WORKING DAY, WHICHEVER IS SHORTER.

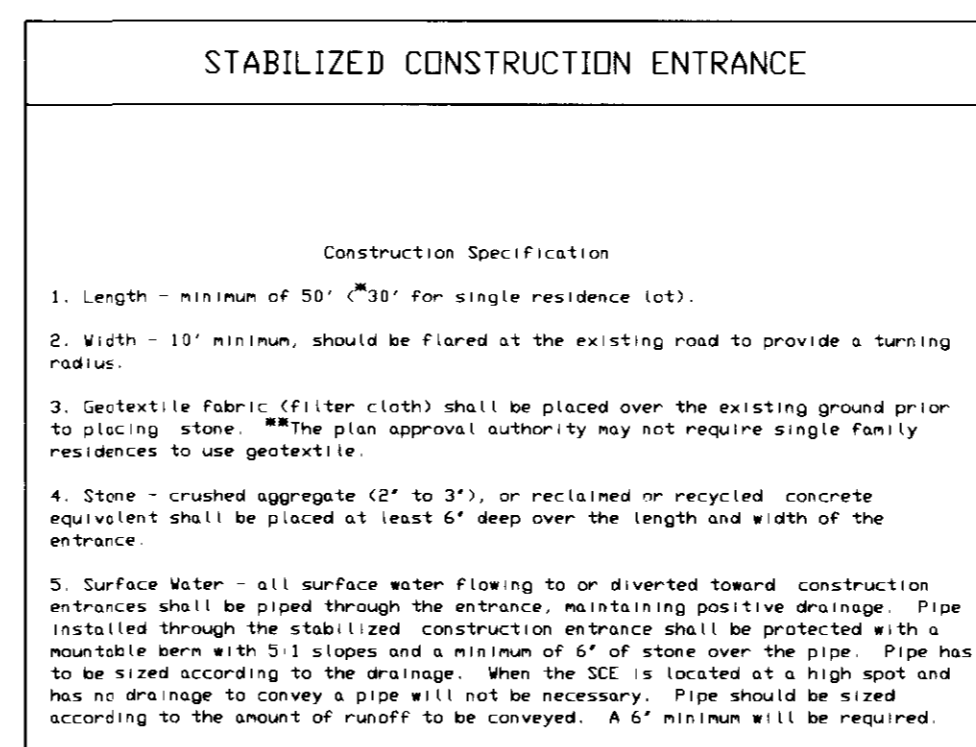
**SEQUENCE OF CONSTRUCTION**

- OBTAIN GRADING PERMIT
- EXISTING SEDIMENT TRAP NUMBERS 1 AND 2 AND SEDIMENT BASIN NUMBER 1 ARE TO REMAIN IN PLACED.
- CONSTRUCT NEW PERIMETER DIKES AND SWALES AS SHOWN.
- PROVIDE NEW SILT FENCE AS SHOWN.
- GRADE SITE PER THIS PLAN. DELAY CONSTRUCTION OF LOTS 60, 61, 62, AND 63 UNTIL ALL DRAINAGE AREAS TO TRAP NUMBER 2 HAVE BEEN PERMANENTLY STABILIZED.
- CONSTRUCT DRIVEWAY CULVERTS AND STABILIZED CONSTRUCTION ENTRANCE FOR EACH LOT AT TIME OF HOUSE CONSTRUCTION.
- WHEN ALL DRAINAGE AREAS TO A SEDIMENT CONTROL DEVICE HAVE BEEN PERMANENTLY STABILIZED, AND UPON APPROVAL OF THE SEDIMENT CONTROL INSPECTOR, REMOVE SEDIMENT CONTROL DEVICES, BRING AREA TO FINAL GRADE AND STABILIZE.
- INSPECT ALL SEDIMENT CONTROL DEVICES DAILY AND AFTER EACH RAINFALL, REPAIR AS NECESSARY.
- CONTRACTOR SHALL REMOVE SEDIMENT AND FLUSH STORM DRAIN SYSTEM AT END OF CONSTRUCTION.
- STORMWATER MANAGEMENT POND SHALL BE DEWATERED ACCORDING TO APPROVED PLANS (F-96-13)
- FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN  
A. 7 CALENDAR DAYS FOR ALL PERIMETER SLOPES GREATER THAN 3:1  
B. 14 DAYS FOR ALL OTHER DISTURBED GRADED AREAS ON THE PROJECT SITE.



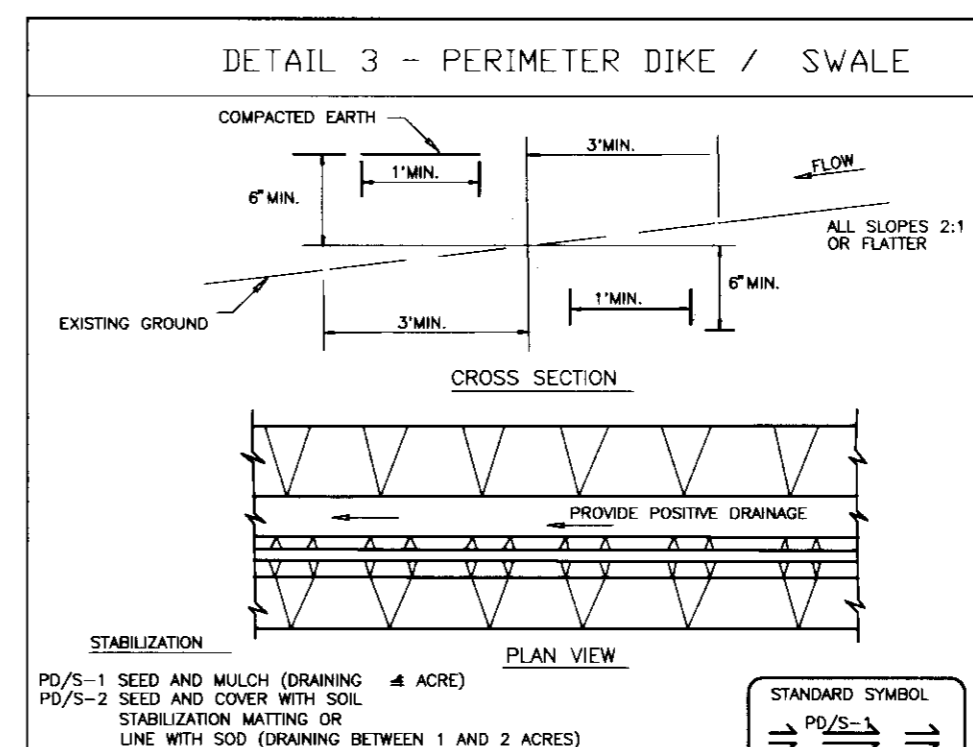
- Construction Specifications**
- Length - minimum of 50' (+30' for single residence lot).
  - Width - 10' minimum, should be flared at the existing road to provide a turning radius.
  - Geotextile fabric (filter cloth) shall be placed over the existing ground prior to placing stone. (The plan approval authority may not require single family residences to use geotextile.)
  - Stone - crushed aggregate (2" to 3") or reclaimed or recycled concrete equivalent shall be placed at least 6" deep over the length and width of the entrance.
  - Surface Water - all surface water flowing to or diverted toward construction entrances shall be piped through the entrance, maintaining positive drainage. Pipe installed through the stabilized construction entrance shall be protected with a mountable berm with 3:1 slopes and a minimum of 6" of slope over the pipe. Pipe has to be sized according to the drainage. When the SCE is located at a high spot and has no drainage to convey a pipe will not be necessary. Pipe should be sized according to the amount of runoff to be conveyed. A 6" minimum will be required.
  - Location - A stabilized construction entrance shall be located at every point where construction traffic enters or leaves a construction site. Vehicles leaving the site must travel over the entire length of the stabilized construction entrance.

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE	PAGE F - 17 - 3	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION
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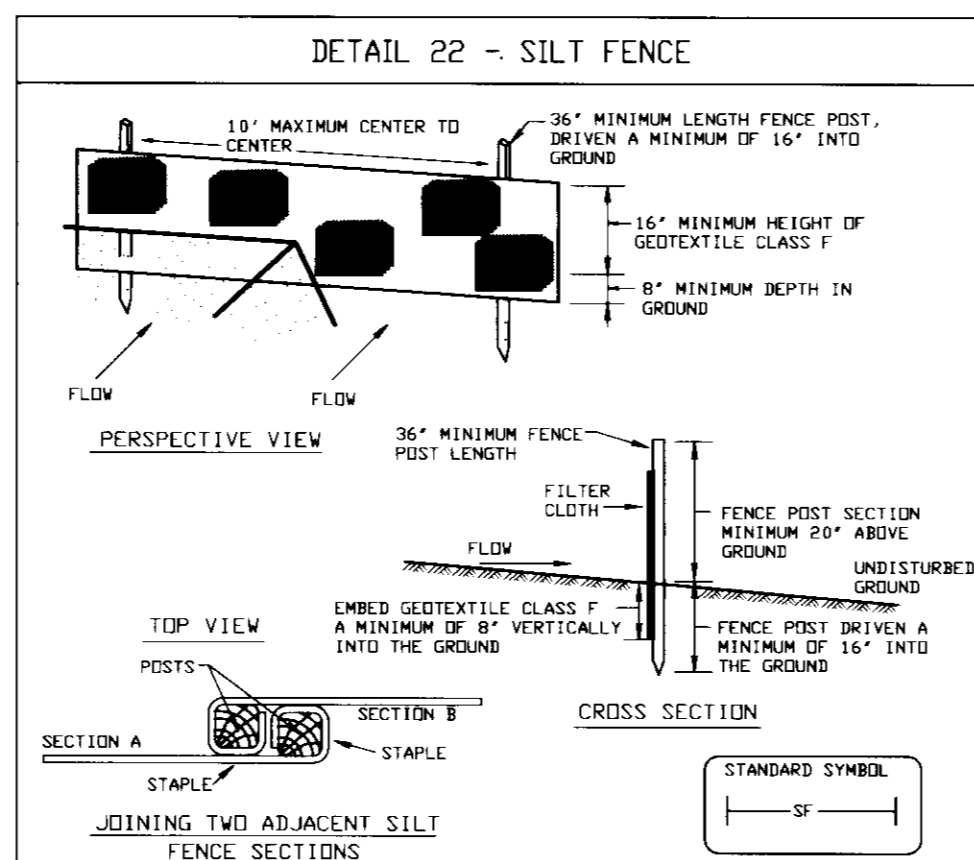
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  - Location - A stabilized construction entrance shall be located at every point where construction traffic enters or leaves a construction site. Vehicles leaving the site must travel over the entire length of the stabilized construction entrance.

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE	PAGE F - 17 - 3A	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION
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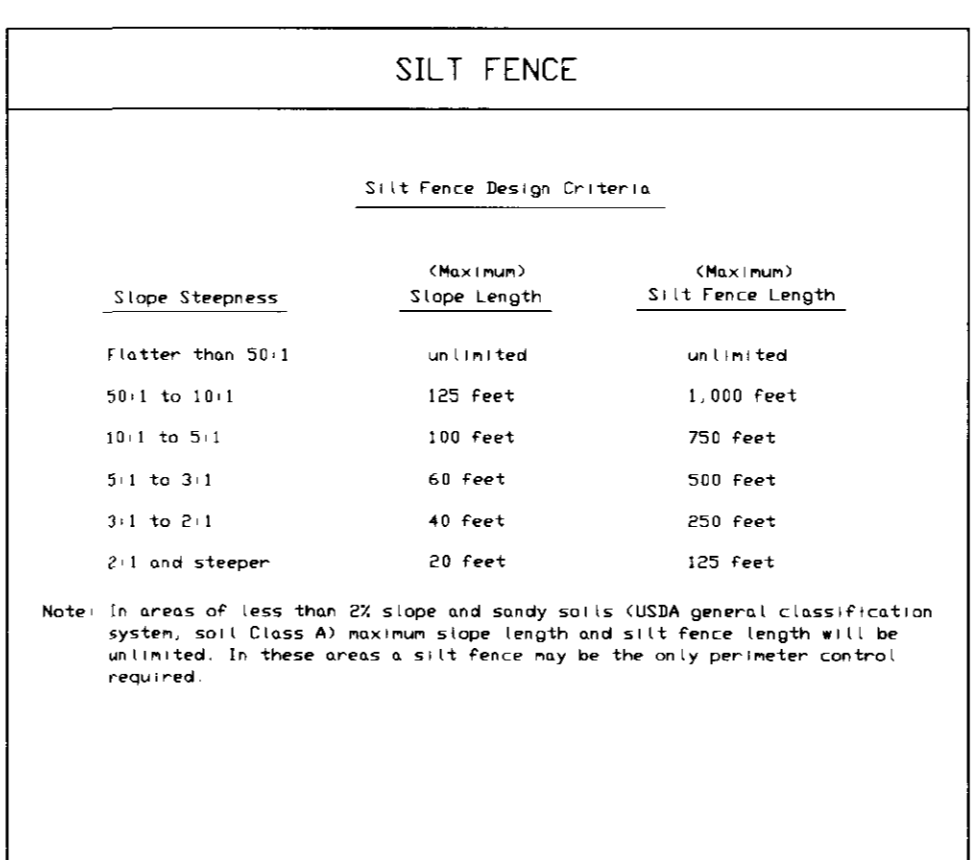
- Construction Specifications**
- All perimeter dikes/swales shall have an uninterrupted positive grade to an outlet. Spot elevations may be necessary for grades less than 1%.
  - Runoff diverted from a disturbed area shall be conveyed to a sediment trapping device.
  - Runoff diverted from an undisturbed area shall outlet into an undisturbed stabilized area at a non-erosive velocity.
  - The swale shall be excavated or shaped to line, grade, and cross-section as required to meet the criteria specified in the standard.
  - Fill shall be compacted by earth moving equipment.
  - Stabilization with seed and mulch or as specified of the area disturbed by the dike and swale shall be completed within 7 days upon removal.
  - Inspection and required maintenance shall be provided after each rain event.
- Note: The maximum drainage area for this practice is 2 acres.

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE	PAGE A - 3 - 3	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION
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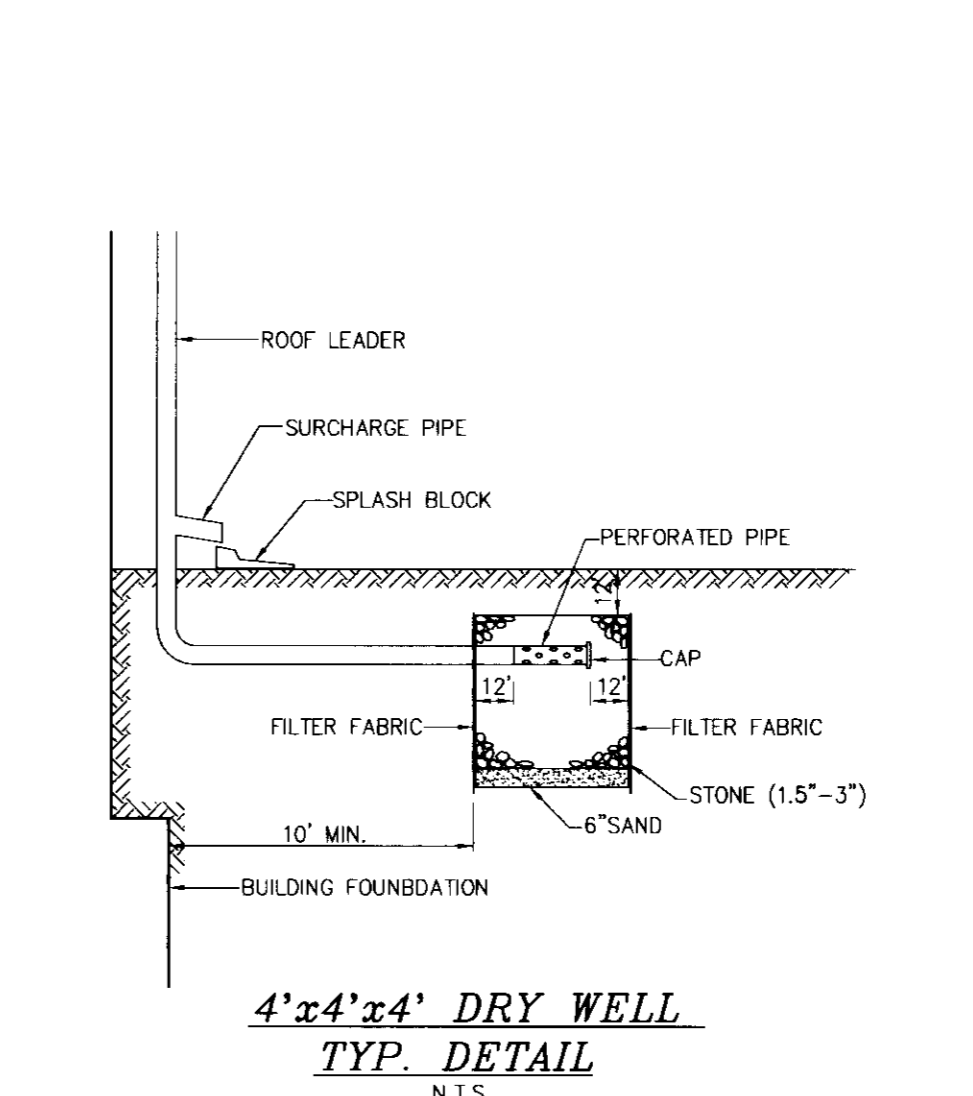


- Construction Specifications**
- Fence posts shall be a minimum of 36" long driven 16" minimum into the ground. Wood posts shall be 1 1/2" x 1 1/2" square (minimum) cut, or 1 3/4" diameter (minimum) round and shall be of sound quality hardwood. Steel posts will be standard F or U section weighting not less than 1.00 pound per linear foot.
  - Geotextile shall be fastened securely to each fence post with wire ties or staples at top and mid-section and shall meet the following requirements for Geotextile Class F:  
Tensile Strength 50 lbs/in (min.) Test: NMT 509  
Tensile Modulus 20 lbs/in (min.) Test: NMT 509  
Flow Rate 0.2 gal ft<sup>2</sup>/minute (max.) Test: NMT 302  
Filtering Efficiency 75% (min.) Test: NMT 302
  - Where ends of geotextile fabric come together, they shall be overlapped, folded and stapled to prevent sediment bypass.
  - Silt Fence shall be inspected after each rainfall event and maintained when bulges occur or when sediment accumulation reached 50% of the fabric height.

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE	PAGE E - 2 - 3	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION
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U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE	PAGE E - 15 - 3A	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION
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NOTE: UNCONTROLLED RUNOFF MUST CONNECT TO THE PROPOSED DRYWELLS.

11/21/96

**OWNER**  
BONNIE BRANCH CORPORATION  
P.O. BOX. 396  
ELLCOTT CITY, MARYLAND 21043

**DEVELOPER**  
PULTE HOMES CORPORATION  
1501 SOUTH EDGEWOOD STREET  
BALTIMORE, MARYLAND 21227

**DEVELOPERS CERTIFICATE**

I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE NATURAL RESOURCE CONSERVATION SERVICE.

*Michael J. Seceall* 8/16/96  
SIGNATURE OF DEVELOPER DATE  
*MICHAEL J. SECEALL*  
PRINTED NAME OF DEVELOPER

**ENGINEER'S CERTIFICATE**

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 AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE NATURAL RESOURCE CONSERVATION SERVICE.

*R. Jag B. Hikmat* 8-6-96  
SIGNATURE OF ENGINEER DATE  
*R. JAG B. HIKMAT*  
PRINTED NAME OF ENGINEER

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

*Virginia L. Symons* 01-22-97  
SIGNATURE OF N.R.C.S. SERVICE DATE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

*John R. Robertson* 1/22/97  
SIGNATURE OF DISTRICT ENGINEER DATE

APPROVED: DEPARTMENT OF PLANNING AND ZONING

*Michael J. Seceall* 1/27/97  
SIGNATURE OF DEVELOPMENT ENGINEERING DIVISION DATE  
*Michael J. Seceall* 1/28/97  
SIGNATURE OF CHIEF, DIVISION OF LAND DEVELOPMENT DATE  
*Michael J. Seceall* 1/29/97  
SIGNATURE OF DISTRICT ENGINEER DATE



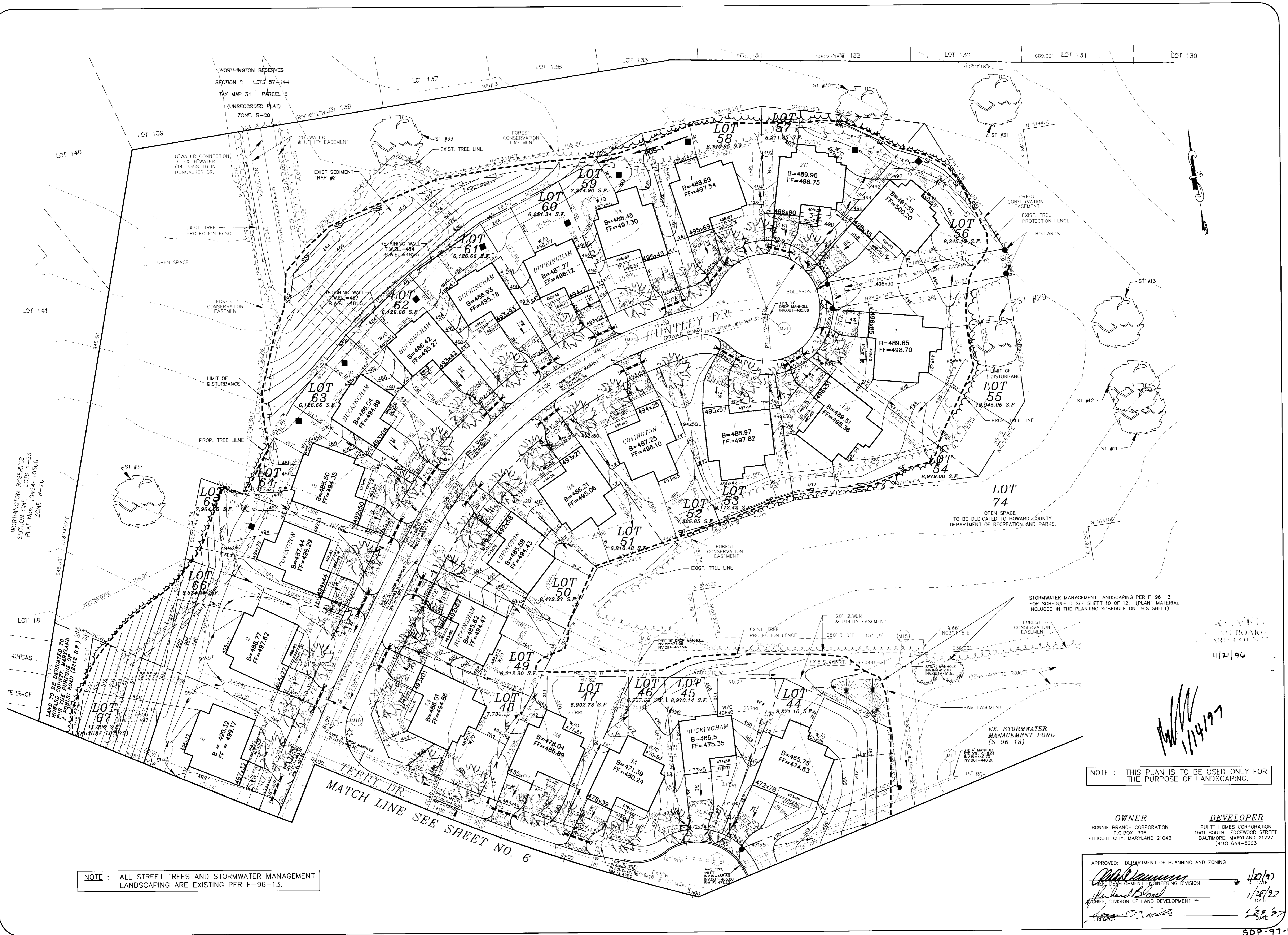
PROJECT	DATE
96033	JULY 96
DESIGNED BY	BY
MMP	MMP
CHECKED BY	CHECKED BY
NTS	RJH

SCALE	DATE
DESIGNED BY	BY
MMP	MMP
CHECKED BY	CHECKED BY
NTS	RJH

TAX MAP 31, P/O PARCEL 13  
AUTUMN VIEW-SECT.2, LOTS 28-74  
SECOND ELECTION DISTRICT HOWARD COUNTY, MARYLAND  
SEDIMENT CONTROL NOTES AND DETAILS

**MILDENBERG, BOENDER & ASSOC., INC.**  
Engineers Planners Surveyors  
5072 Dorsey Hall Drive, Suite 202, Blittsfort City, Maryland 21042  
(410) 997-0296 Fax: (301) 621-5321 Wash. (410) 997-0298 Fax.





NOTE : ALL STREET TREES AND STORMWATER MANAGEMENT LANDSCAPING ARE EXISTING PER F-96-13.

NOTE : THIS PLAN IS TO BE USED ONLY FOR THE PURPOSE OF LANDSCAPING.

**OWNER**  
 BONNIE BRANCH CORPORATION  
 P.O. BOX 396  
 ELLICOTT CITY, MARYLAND 21043

**DEVELOPER**  
 PULTE HOMES CORPORATION  
 1501 SOUTH EDGEWOOD STREET  
 BALTIMORE, MARYLAND 21227  
 (410) 644-5603

APPROVED: DEPARTMENT OF PLANNING AND ZONING

*[Signature]* 1/27/92 DATE  
 CHIEF, DEVELOPMENT ENGINEERING DIVISION

*[Signature]* 1/28/92 DATE  
 CHIEF, DIVISION OF LAND DEVELOPMENT

*[Signature]* 1/29/92 DATE  
 DIRECTOR

PROJECT: 96033  
 DATE: JULY 96  
 DRAWN BY: M.M.P.  
 CHECKED BY: M.M.P.  
 SCALE: 1"=80'  
 REVISIONS:

TAX MAP 31, P.O. PARCEL 13, BLOCK 3  
 AUTUMN VIEW SECTION 2  
 LOTS 28-66, 68-74 AND 75  
 HOWARD COUNTY  
 SECOND ELECTION DISTRICT

LANDSCAPE PLAN

**MILDENBERG, BOENDER & ASSOC., INC.**  
 Engineers Planners Surveyors  
 5072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland 21042  
 (410) 997-0286 Bldg. (301) 621-5521 Wash. (410) 997-0288 Fax