

GENERAL NOTES

- THE SUBJECT PROPERTY IS ZONED R-20 PER THE 2/2/04 COMPREHENSIVE ZONING PLAN AND PER THE "COMP LITE" ZONING REGULATION AMENDMENTS EFFECTIVE 7/28/06.
- PUBLIC WATER AND SEWER WILL BE USED WITHIN THIS SITE. PUBLIC WATER WILL BE EXTENDED INTO THE SITE FROM CONTRACT NO. 132-W. PUBLIC SEWER WILL BE EXTENDED INTO THE SITE FROM CONTRACT NO. 10-1215.
- GROSS AREA OF PROPERTY = 5.3971 AC.±
- AREA OF PROPOSED PUBLIC RW TOTAL: 0.7055 AC.±
AREA OF PROPOSED PUBLIC RW TO SHA: 0.1104 AC.±
AREA OF PROPOSED PUBLIC RW TO HOWARD COUNTY: 0.5951 AC.±
- NUMBER OF PROPOSED BUILDABLE LOTS: 9
AREA OF PROPOSED BUILDABLE LOTS: 4.2419 AC.±
- NUMBER OF PROPOSED OPEN SPACE LOTS: 2
AREA OF PROPOSED CREDITED OPEN SPACE: 0.4123 AC.±
AREA OF PROPOSED NON-CREDITED OPEN SPACE: 0.0375 AC.±
- OPEN SPACE REQUIREMENTS:
A) MINIMUM OPEN SPACE REQUIRED = 5.3971 AC.± X 6% = 0.3238 AC.
B) OPEN SPACE PROVIDED = 8.3% OR 0.4498 AC.±
- PREVIOUS HOWARD COUNTY FILE NUMBERS: CONTR.# 132-W; P-07-004; S-04-007; WP-059; SP-03-018 (VOIDED 1/20/04); F-03-152; 10-1215; WP-07-059.
- BOUNDARY SURVEY PREPARED BY MILDENBERG BOENDER & ASSOCIATES, INC. ON OR ABOUT JUNE 2003. ON-SITE TOPOGRAPHY IS BASED ON A FIELD RUN SURVEY PREPARED BY MILDENBERG BOENDER & ASSOCIATES, INC. ON OR ABOUT JUNE 2003. OFF-SITE TOPOGRAPHY IS BASED ON HOWARD COUNTY 1998 AERIAL SURVEY.
- ALL EXISTING STRUCTURES ON-SITE ARE TO BE REMOVED.
- BASED ON A FIELD INVESTIGATED NON-TIDAL WETLAND AND STREAM EVALUATION CONDUCTED BY EXPLORATION RESEARCH, INC. DATED MARCH, 2007, NO WETLANDS OR STREAM SYSTEMS EXIST ON-SITE.
- THIS PROJECT IS WITHIN THE METROPOLITAN DISTRICT.
- THIS PROJECT IS IN CONFORMANCE WITH THE LATEST HOWARD COUNTY STANDARDS UNLESS WAIVERS HAVE BEEN APPROVED.
- THE COORDINATES SHOWN HEREON ARE BASED UPON THE HOWARD COUNTY GEODETIC CONTROL WHICH IS BASED ON THE MARYLAND STATE PLANE COORDINATE SYSTEM. HOWARD COUNTY MONUMENT NUMBERS 31R1 AND 37B4 WERE USED FOR THIS PROJECT.
- THE NOISE STUDY FOR THIS PROJECT WAS PREPARED BY MARS GROUP AND APPROVED UNDER S-04-007. THE 65 dBA NOISE CONTOUR LINE DRAWN ON THIS SUBDIVISION PLAN IS ADVISORY AS REQUIRED BY THE HOWARD COUNTY DESIGN MANUAL, CHAPTER 5, REVISED FEBRUARY, 1992 AND CANNOT BE CONSIDERED TO EXACTLY LOCATE THE 65 dBA NOISE EXPOSURE. THE 65 dBA NOISE LINE WAS ESTABLISHED BY HOWARD COUNTY TO ALERT DEVELOPERS, BUILDERS AND FUTURE RESIDENTS THAT AREAS BEYOND THIS THRESHOLD MAY EXCEED GENERALLY ACCEPTED NOISE LEVELS ESTABLISHED BY THE U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT.
- THIS PLAN COMPLIES WITH THE REQUIREMENTS OF SECTION 16.1200 OF THE HOWARD COUNTY CODE OF FOREST CONSERVATION BY THE PAYMENT OF A FEE-IN-LIEU OF 0.81 ACRES OF FOREST PLANTING IN THE AMOUNT OF \$28,462.70 (\$0.75 X 35,283 SQUARE FEET OR 0.81 AC.).
- FOR FLAG OR PIPESTEM LOTS, REFUSE COLLECTION, SNOW REMOVAL AND ROAD MAINTENANCE ARE PROVIDED TO THE JUNCTION OF THE FLAG OR PIPESTEM AND ROAD RIGHT-OF-WAY LINE AND NOT TO THE PIPESTEM LOT DRIVEWAY.
- THERE ARE NO FLOODPLAINS, WETLANDS, STEEP SLOPES, HISTORIC STRUCTURES OR CEMETERIES ON-SITE.
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY IN ADDITION TO MSHA STANDARDS AND SPECIFICATIONS IF APPLICABLE.
- EXISTING UTILITIES ARE LOCATED BY THE USE OF ANY OR ALL OF THE FOLLOWING: ROAD CONSTRUCTION PLANS, FIELD SURVEYS, PUBLIC WATER AND SEWER PLANS AND OTHER AVAILABLE RECORD DRAWINGS. APPROXIMATE LOCATION OF THE EXISTING UTILITIES ARE SHOWN FOR THE CONTRACTORS INFORMATION. CONTRACTOR SHALL LOCATE EXISTING UTILITIES WELL IN ADVANCE OF CONSTRUCTION ACTIVITIES AND TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND TO MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE INCURRED DUE TO THE CONTRACTORS OPERATION SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTORS EXPENSE.
- SOIL COMPACTION SPECIFICATIONS, REQUIREMENTS, METHODS AND MATERIALS ARE TO BE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE PROJECT GEOTECHNICAL ENGINEER. DRIVEWAY PAVING TO BE HOWARD COUNTY STANDARD P-1 PAVING SECTION. ROADWAY PAVING TO BE HOWARD COUNTY STANDARD P-2 PAVING SECTION (SEE SHEET 2 FOR DETAILS). GEOTECHNICAL ENGINEER TO CONFIRM ACCEPTABILITY OF PROPOSED PAVING SECTION, BASED ON SOIL TEST, PRIOR TO CONSTRUCTION.
- ALL TRAFFIC CONTROL DEVICES, MARKINGS AND SIGNING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MARYLAND MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
- IN ACCORDANCE WITH SECTION 128 OF THE HOWARD COUNTY ZONING REGULATIONS, BAY WINDOWS, CHIMNEYS OR EXTERIOR STAIRWAYS NOT MORE THAN 16 FEET IN WIDTH MAY PROJECT NOT MORE THAN 4 FEET INTO ANY SETBACKS. PORCHES OR DECKS, OPEN OR ENCLOSED MAY PROJECT NOT MORE THAN 10 FEET INTO THE FRONT OR REAR YARD SETBACK.
- DRIVEWAY ENTRANCE TO BE PER HOWARD COUNTY STANDARD DETAIL R-6.06. DRIVEWAY CULVERTS WILL BE DESIGNED AT SITE DEVELOPMENT PLAN STAGE.
- DRIVEWAY(S) SHALL BE PROVIDED PRIOR TO ISSUANCE OF A USE AND OCCUPANCY PERMIT FOR ANY NEW DWELLINGS TO ENSURE SAFE ACCESS FOR FIRE AND EMERGENCY VEHICLES PER THE FOLLOWING REQUIREMENTS:
1) WIDTH - 12 FEET (16 FEET SERVING MORE THAN ONE RESIDENCE);
2) SURFACE - SIX (6) INCHES OF COMPACTED CRUSHER RUN BASE WITH TAR AND CHIP COATING (1-1/2" MINIMUM);
3) GEOMETRY - MAXIMUM 4% GRADE, MAXIMUM 10% GRADE CHANGE AND 45-FOOT TURNING RADIUS;
4) STRUCTURES (CULVERTS/BRIDGES) - CAPABLE OF SUPPORTING 25 GROSS TONS (H25-LOADING);
5) DRAINAGE ELEMENTS - CAPABLE OF SAFELY PASSING 10 YEAR FLOOD WITH NO MORE THAN 1 FOOT DEPTH OVER DRIVEWAY SURFACE;
B) MAINTENANCE - SUFFICIENT TO ENSURE ALL WEATHER USE
- THE CONTRACTOR SHOULD BE AWARE THAT THE GROUND CLEARANCE TO TWO EXISTING OVERHEAD POWER LINES IS APPROXIMATELY 12' IN THE VICINITY OF THE EXISTING HOUSE ON OPEN SPACE LOT 10.
- A DESIGN MANUAL VOLUME IV, STANDARD DETAIL R-1.02, WHICH REQUIRES A CLOSED SECTION FOR A PUBLIC ROAD IN THE R-20 ZONING, WAS APPROVED ON APRIL 15, 2004, SUBJECT TO THE FOLLOWING CONDITIONS:
A) THE APPLICANT MUST PROVIDE ROAD FRONTAGE IMPROVEMENTS ALONG MARYLAND ROUTE 103 AS PER THE STATE HIGHWAY ADMINISTRATION.
B) THE APPLICANT SHALL ENSURE THAT ALL STORMWATER RUNOFF FROM THIS PROPERTY IS ADEQUATELY DISCHARGED TO A DOWNSTREAM OUTFALL WITH NO DELETERIOUS IMPACTS ON DOWNSTREAM PROPERTIES. TO THIS END, THE APPLICANT MUST VERIFY THAT EXISTING CONVEYANCE SYSTEMS AND ACROSS MARYLAND ROUTE 103 ARE ADEQUATELY SIZED TO CONVEY THE 10-YEAR STORMWATER DISCHARGE FROM THIS PROPERTY.
C) ALL ROAD FRONTAGE IMPROVEMENTS SHALL BE COORDINATED WITH ANY REQUIRED IMPROVEMENTS NECESSARY FOR STORMWATER RUNOFF CONVEYANCE.
D) THE APPLICANT SHALL PROVIDE A SIDEWALK ALONG THE ENTIRE AREA OF ROAD FRONTAGE IMPROVEMENTS REQUIRED BY SHA, SUBJECT TO SHA APPROVAL.
- STORMWATER MANAGEMENT IS PROVIDED FOR THIS PROJECT. WATER QUALITY OBLIGATIONS WILL BE MET WITHIN THE BIORETENTION FACILITY. RECHARGE OBLIGATIONS WILL BE MET BY UTILIZING ROOFTOP DISCONNECTS, NON-ROOFTOP DISCONNECTS AND GRASS CHANNELS. CHANNEL PROTECTION IS NOT REQUIRED BECAUSE THE POST DEVELOPED 1 YEAR STORM RUNOFF IS LESS THAN 2 CFS. THE BIORETENTION FACILITY LOCATED ON OPEN SPACE LOT 10 IS FOR DETENTION PURPOSES ONLY. THE BIORETENTION FACILITY IS TO BE OWNED AND MAINTAINED BY THE HOME OWNERS ASSOCIATION. ADDITIONAL STORMWATER MANAGEMENT MEASURES WILL BE REQUIRED AT SITE DEVELOPMENT PLAN STAGE IF THE PROPOSED HOUSE FOOTPRINTS EXCEED 2,000 SF OR IF ADDITIONAL DRIVEWAYS/IMPERVIOUS AREAS ARE PROPOSED.
- A TRAFFIC STUDY WAS PERFORMED BY MARS GROUP ON OR ABOUT MAY 2003 AND APPROVED UNDER S-04-007.
- THE OPEN SPACE SHOWN HEREON IS HEREBY DEDICATED TO A PROPERTY OWNERS ASSOCIATION FOR THE RESIDENTS OF THIS SUBDIVISION AND RECORDING REFERENCES OF THE ARTICLES OF INCORPORATION AND RESTRICTIONS ARE SHOWN HEREON.
- ARTICLES OF INCORPORATION FOR THE HOMEOWNERS ASSOCIATION WERE ACCEPTED BY THE STATE DEPARTMENT OF ASSESSMENTS AND TAXATION ON ~~10-12-03~~ **10-12-04** INCORPORATION NO. ~~"THE OPEN MOUND"~~ **"THE OPEN MOUND"**
- ANY EXISTING WELLS AND SEPTIC SYSTEMS LOCATED ON-SITE SHALL BE PROPERLY SEALED AND ABANDONED BY A LICENSED WELL DRILLER PRIOR TO SUBMISSION OF THE ORIGINALS ROAD CONSTRUCTION PLANS FOR SIGNATURE.
- WP-07-059, TO WAIVE SECTION 16.1214(A)(2) TO ALLOW AN R-20 ZONED INFILL SUBDIVISION TO USE 18,000 S.F. LOT SIZE AND TO PROVIDE H.O.A. OWNED OPEN SPACE (12%), WAS DENIED ON FEBRUARY 2, 2007.
- LANDSCAPING FOR LOTS 1 THRU 11 IS PROVIDED IN ACCORDANCE WITH A CERTIFIED LANDSCAPE PLAN INCLUDED WITH THE ROAD CONSTRUCTION PLAN SET IN ACCORDANCE WITH SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE LANDSCAPE MANUAL. FINANCIAL SURETY FOR THE REQUIRED LANDSCAPING WILL BE POSTED AS PART OF THE DEVELOPERS AGREEMENT IN THE AMOUNT OF \$20,100.00 (\$9,900.00 FOR STREET TREES; 33 SHADE TREES @ \$300.00 EACH AND \$10,200.00 FOR PERIMETER LANDSCAPING TREES; 34 SHADE TREES @ \$300.00 EACH) AND WILL BE PLANTED AT THE SITE DEVELOPMENT PLAN STAGE.
- STREET LIGHT PLACEMENT AND THE TYPE OF FIXTURE AND POLE SHALL BE IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL, VOLUME III (1993) AND AS MODIFIED BY "GUIDELINES FOR STREET LIGHTS IN RESIDENTIAL DEVELOPMENTS (JUNE 1993)". A MINIMUM SPACING OF TWENTY FEET (20') SHALL BE MAINTAINED BETWEEN ANY STREET LIGHT AND ANY TREE.
- ALL SIGN POSTS USED FOR TRAFFIC CONTROL SIGNS INSTALLED IN THE COUNTY RIGHT-OF-WAY SHALL BE MOUNTED ON A TWO INCH (2") GALVANIZED STEEL, PERFORATED, SQUARE TUBE POST (1 1/2" GAUGE) INSERTED INTO A TWO AND A HALF INCH (2-1/2") GALVANIZED STEEL, PERFORATED, SQUARE TUBE SLEEVE (12 GAUGE) THREE FEET (3') LONG. A GALVANIZED STEEL POLE CAP SHALL BE MOUNTED ON TOP OF EACH POST.
- A DESIGN MANUAL VOLUME IV, DETAIL R-1.01, TO REDUCE THE REQUIRED RIGHT-OF-WAY WIDTH FROM 50 FEET TO 40 FEET WAS APPROVED ON OCTOBER 16, 2008, BASED ON THE FOLLOWING:
A. THE PLAN WAS ORIGINALLY DESIGNED AND APPROVED UNDER SEPARATE REGULATIONS WHICH ONLY REQUIRED A 40 FOOT RIGHT-OF-WAY. UPDATING THE PLAN TO CURRENT STANDARDS WOULD HAVE A SIGNIFICANT EFFECT ON THE SUBDIVISION AS ALREADY APPROVED.
B. THE REQUEST TO ALLOW THE 40 FOOT RIGHT-OF-WAY WIDTH IS APPROVED BUT THE MINIMUM PAVEMENT WIDTHS MUST BE PROVIDED AS SPECIFIED WITH THE WAIVER REQUEST.

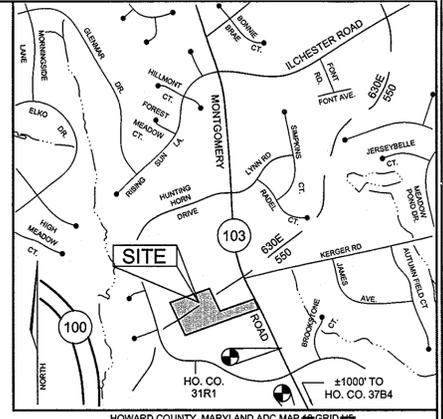
FINAL ROAD CONSTRUCTION PLAN

BONNIE ORCHARD

LOTS 1 THRU 9 AND OPEN SPACE LOTS 10 AND 11 HOWARD COUNTY, MARYLAND

LEGEND

- EXISTING CONTOUR
- PROPOSED CONTOUR
- EXISTING SPOT ELEVATION
- PROPOSED SPOT ELEVATION
- DIRECTION OF FLOW
- EXISTING TREELINE
- PROPOSED TREELINE
- EXISTING TREE
- LIGHT POLES

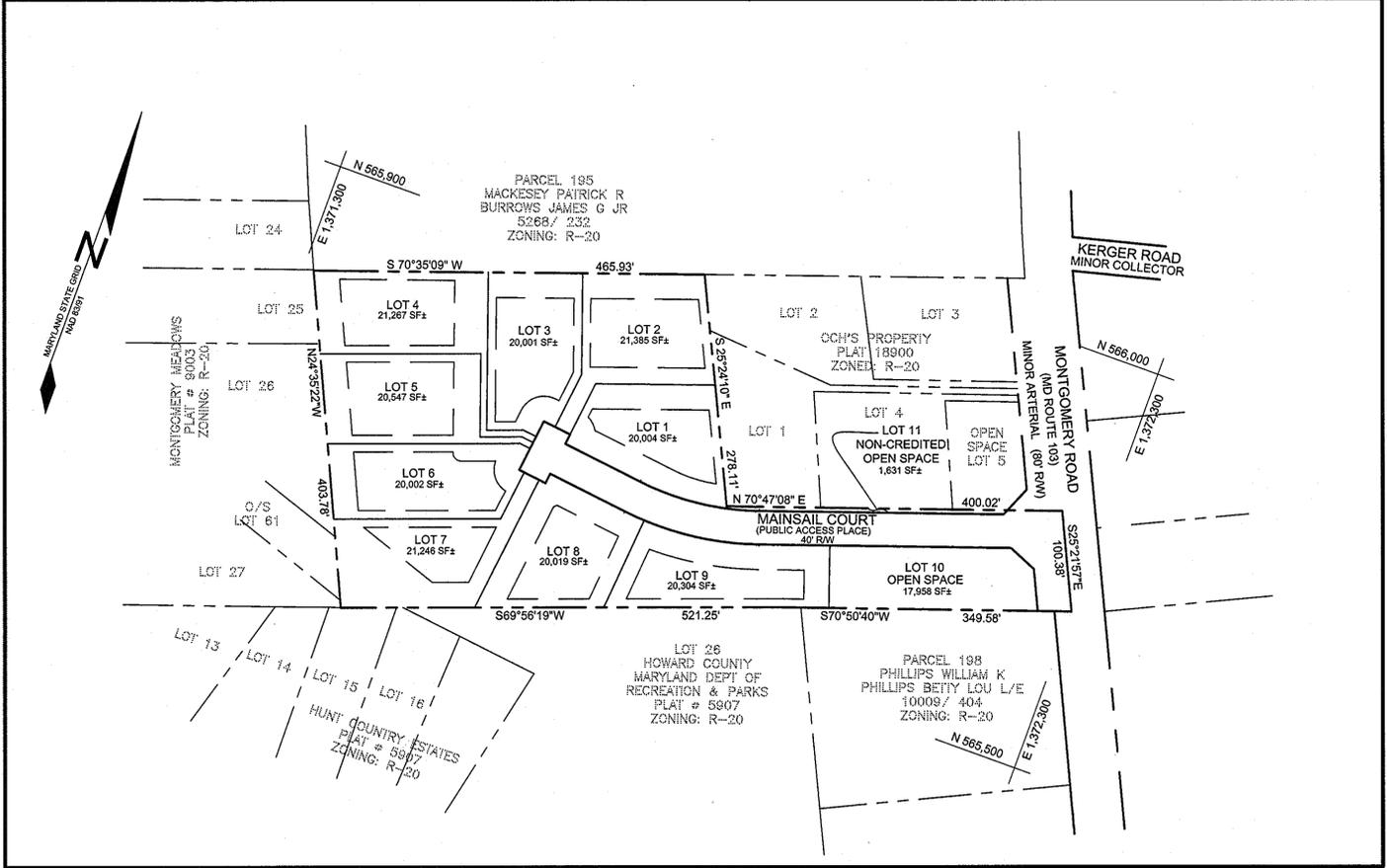


BENCHMARKS

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
31R1	565,303.4777	1,372,517.7171	400.99	EAST SIDE OF MONTGOMERY ROAD, 43.5' SOUTH OF FIRE HYDRANT, 20.0' NORTH OF BGE POLE #54156
37B4	563,928.5542	1,373,109.1044	401.411	SOUTHWEST SIDE OF MONTGOMERY ROAD AND OLD MONTGOMERY ROAD INTERSECTION, 41.1' WEST OF SEWER MANHOLE, 66.6' EAST OF BGE POLE #129675

MINIMUM LOT SIZE CHART

LOT NUMBER	GROSS AREA (SF)	PIPESTEM AREA (SF)	MINIMUM LOT SIZE (SF)
2	21,385±	1,381±	20,004±
4	21,267±	1,267±	20,000±
5	20,547±	504±	20,043±
7	21,246±	1,244±	20,002±



LOCATION MAP
SCALE: 1"=100'

SHEET INDEX

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	ROAD PLAN AND PROFILE MAINSAIL COURT
3	GRADING, SEDIMENT AND EROSION CONTROL PLAN AND TRAFFIC DETAILS
4	SEDIMENT AND EROSION CONTROL NOTES AND DETAILS
5	STORM DRAIN PROFILES BIORETENTION NOTES AND DETAILS
6	STORM DRAIN DRAINAGE AREA MAP
7	FOREST CONSERVATION AND LANDSCAPE PLAN

OWNER/DEVELOPER

BONNIE ORCHARD, LLC
8835-P COLUMBIA 100 PARKWAY
COLUMBIA, MARYLAND 21045
410.730.1810

COVER SHEET

BONNIE ORCHARD

LOTS 1 THRU 9 AND OPEN SPACE LOTS 10 AND 11
DPZ, FILE NO.S: SP-03-018 (VOIDED 1.20.04), S-04-007, F-03-152, W-132, 10-1215
WP-07-059, P-07-004

TAX MAP 31 GRID 21 ZONED R-20 PARCEL 665 & 695
2ND ELECTION DISTRICT HOWARD COUNTY, MARYLAND



Sil Adcock & Associates · LLC
Engineers · Surveyors · Planners
3300 North Ridge Road, Suite 160
Ellicott City, Maryland 21043
Phone: 443.325.7682 Fax: 443.325.7685
Email: info@saaland.com

DESIGN BY: PS, JT
DRAWN BY: JT
CHECKED BY: PS
SCALE: AS SHOWN
DATE: DECEMBER 21, 2009
PROJECT #: 06-010
SHEET #: 1 of 7

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 35202, EXPIRATION DATE: JUNE 20, 2011

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.

[Signature] 2/23/10
CHIEF, DIVISION OF LAND DEVELOPMENT DATE

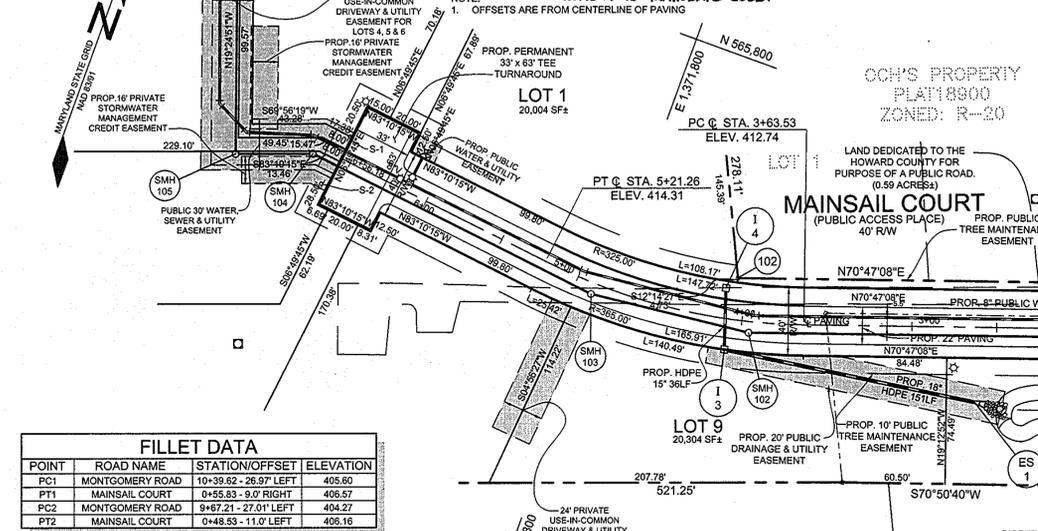
[Signature] 2/23/10
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

[Signature] 2-5-10
CHIEF, BUREAU OF HIGHWAYS DATE

STREET SIGN CHART

SYMBOL	ROAD NAME	STATION	OFFSET	DESCRIPTION
★	ROAD 'A'	0+50	16' LEFT	R1-1 'STOP'
★	ROAD 'A'	1+50	15' RIGHT	R2-1 'SPEED LIMIT 25'
★	ROAD 'A'	6+59	14' RIGHT	(S-1) ADDRESS SIGN
★	ROAD 'A'	6+59	19' LEFT	(S-2) 'NO PARKING IN TREE TURNAROUND'

NOTE:
1. OFFSETS ARE FROM CENTERLINE OF PAVING



FILLET DATA

POINT	ROAD NAME	STATION/OFFSET	ELEVATION
PC1	MONTGOMERY ROAD	10+39.62 - 26.97' LEFT	405.60
PT1	MAINSAIL COURT	0+55.83 - 9.0' RIGHT	406.57
PC2	MONTGOMERY ROAD	9+67.21 - 27.01' LEFT	404.27
PT2	MAINSAIL COURT	0+48.83 - 11.0' LEFT	406.16

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.
 Chief, Bureau of Highways
 2-5-10

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.
 Chief, Development Engineering Division
 2/23/10
 2/22/10

ROAD PLAN
 SCALE: 1"=50'

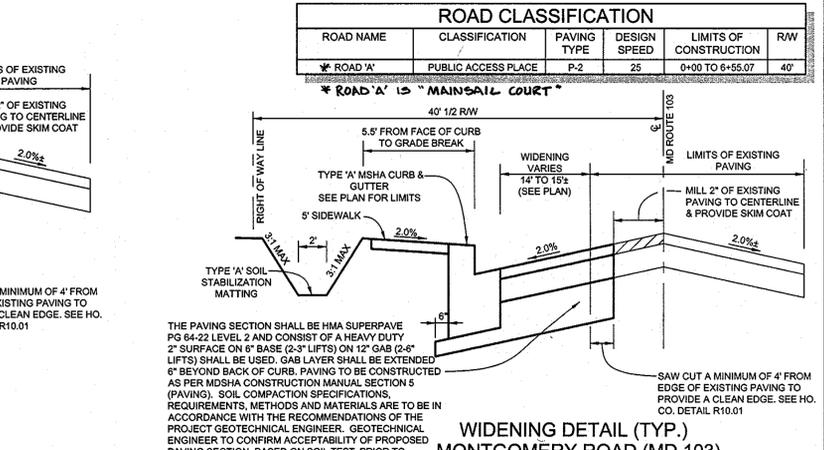
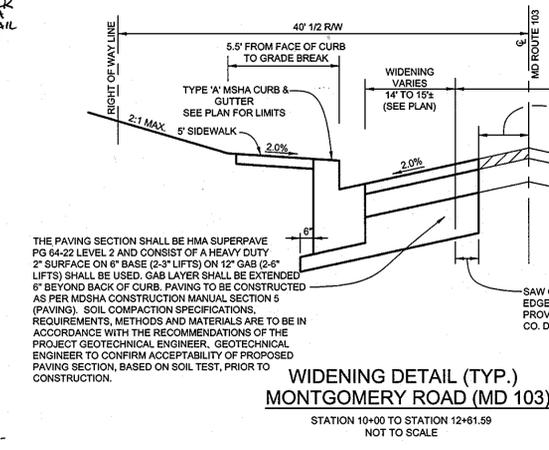
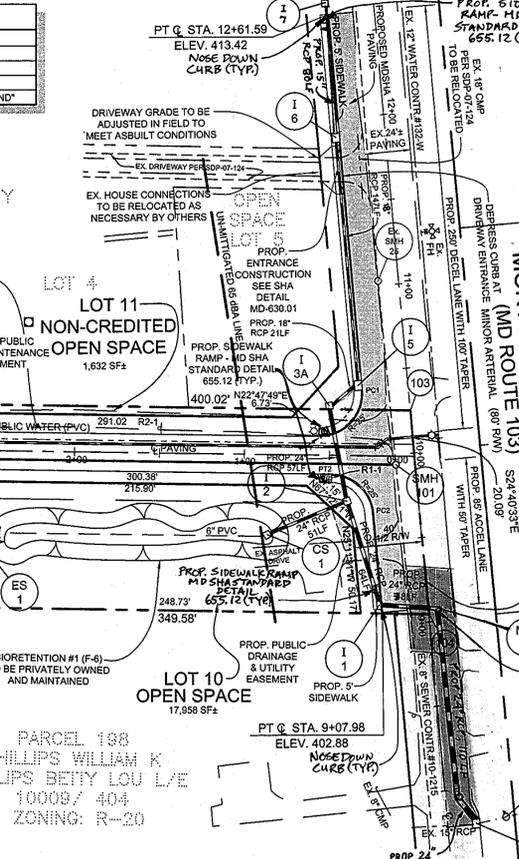
STREET LIGHT TABLE

FIXTURE TYPE	POLE TYPE	LOCATION	STREET
150 WATT HPS VAPOR PREMIER POST TOP MOUNTED	14" BLACK FIBERGLASS	Q STA. 0+59.3 14' RIGHT	ROAD 'A'
100 WATT HPS VAPOR PREMIER POST TOP MOUNTED	14" BLACK FIBERGLASS	Q STA. 2+75.0 24' LEFT	ROAD 'A'
100 WATT HPS VAPOR PREMIER POST TOP MOUNTED	14" BLACK FIBERGLASS	Q STA. 6+58.2 37' RIGHT	ROAD 'A'

NOTE:
1. LIGHT POLE LOCATION GIVEN AT CENTER OF BASE.
2. OFFSETS ARE FROM CENTERLINE OF PAVING

CENTERLINE ROAD CURVE DATA

CURVE	RADIUS	ARC LENGTH	DELTA	CHORD BEARING	CHORD LENGTH
C1	345.00	156.82	26°02'37"	N83°49'27"E	155.27



OWNER/DEVELOPER
 BONNIE ORCHARD, LLC
 8835-P COLUMBIA 100 PARKWAY
 COLUMBIA, MARYLAND 21046
 410.730.1810

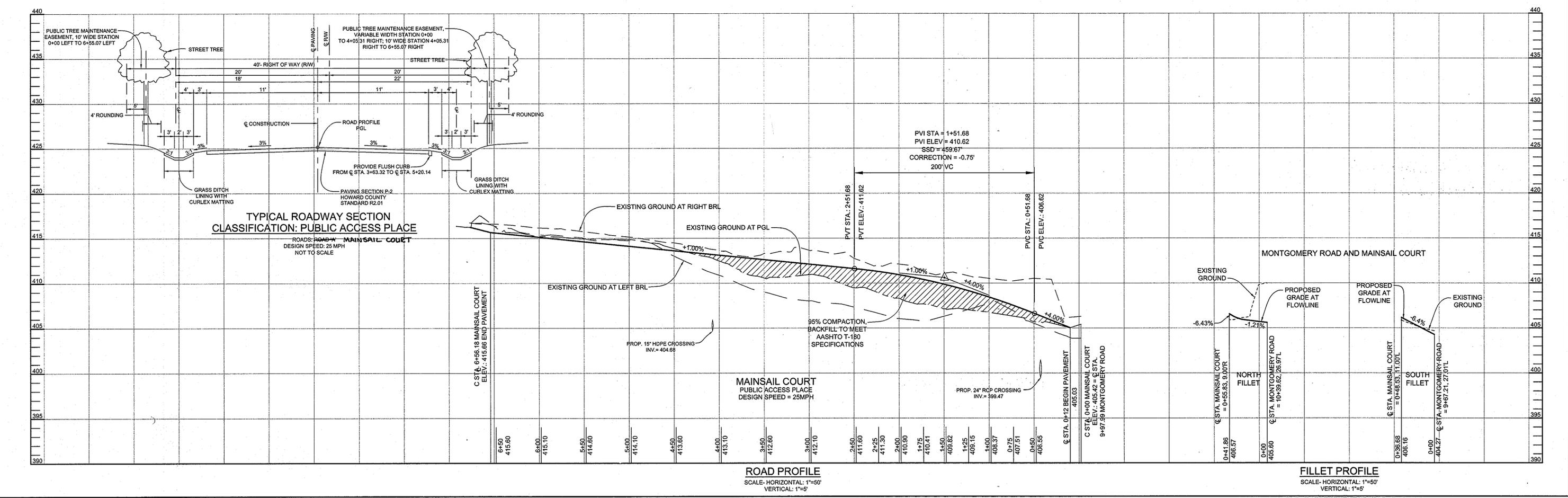
ROAD PLAN AND PROFILE MAINSAIL COURT BONNIE ORCHARD

LOTS 1 THRU 9 AND OPEN SPACE LOTS 10 AND 11
 DPZ. FILE NO. S: SP-03-018 (VOIDED 1.20.04), S-04-007, F-03-152, W-132, 10-1215
 TAX MAP 31 GRID 21 ZONED R-20 WP-07-059, P-07-004 PARCEL 565 & 595
 2ND ELECTION DISTRICT HOWARD COUNTY, MARYLAND

Sill · Adcock & Associates · LLC
 Engineers · Surveyors · Planners
 3300 North Ridge Road, Suite 160
 Ellicott City, Maryland 21043
 Phone: 443.325.7682 Fax: 443.325.7685
 Email: info@silland.com

DESIGN BY: PS
 DRAWN BY: PS
 CHECKED BY: PS
 SCALE: AS SHOWN
 DATE: OCTOBER 13, 2009
 PROJECT #: 06-010
 SHEET #: 2 of 7

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 32025, EXPIRATION DATE: JUNE 23, 2011



SOILS LEGEND		
SYMBOL	NAME / DESCRIPTION	GROUP
Bc3	BELTSVILLE SILT LOAM, 5 TO 10 PERCENT SLOPES, SEVERELY ERODED	C
CmB2	CHILLUM SILT LOAM, 1 TO 5 PERCENT SLOPES, MODERATELY ERODED	B
CrB2	CHILLUM-FAIRFAX LOAMS, 1 TO 5 PERCENT SLOPES, MODERATELY ERODED	B
IuB	IUKA LOAM, LOCAL ALLUVIUM, 1 TO 5 PERCENT SLOPES	C
SIB2	SASSAFRAS LOAM, 1 TO 5 PERCENT SLOPES, MODERATELY ERODED	B
SIC2	SASSAFRAS LOAM, 5 TO 10 PERCENT SLOPES, MODERATELY ERODED	B
WbB2	WOODSTOWN SANDY LOAM, 1 TO 5 PERCENT SLOPES, MODERATELY ERODED	C

GRADING NOTES:

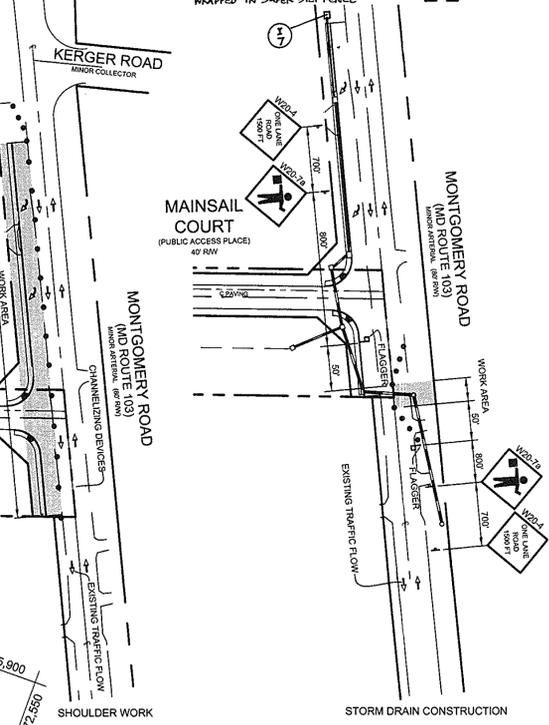
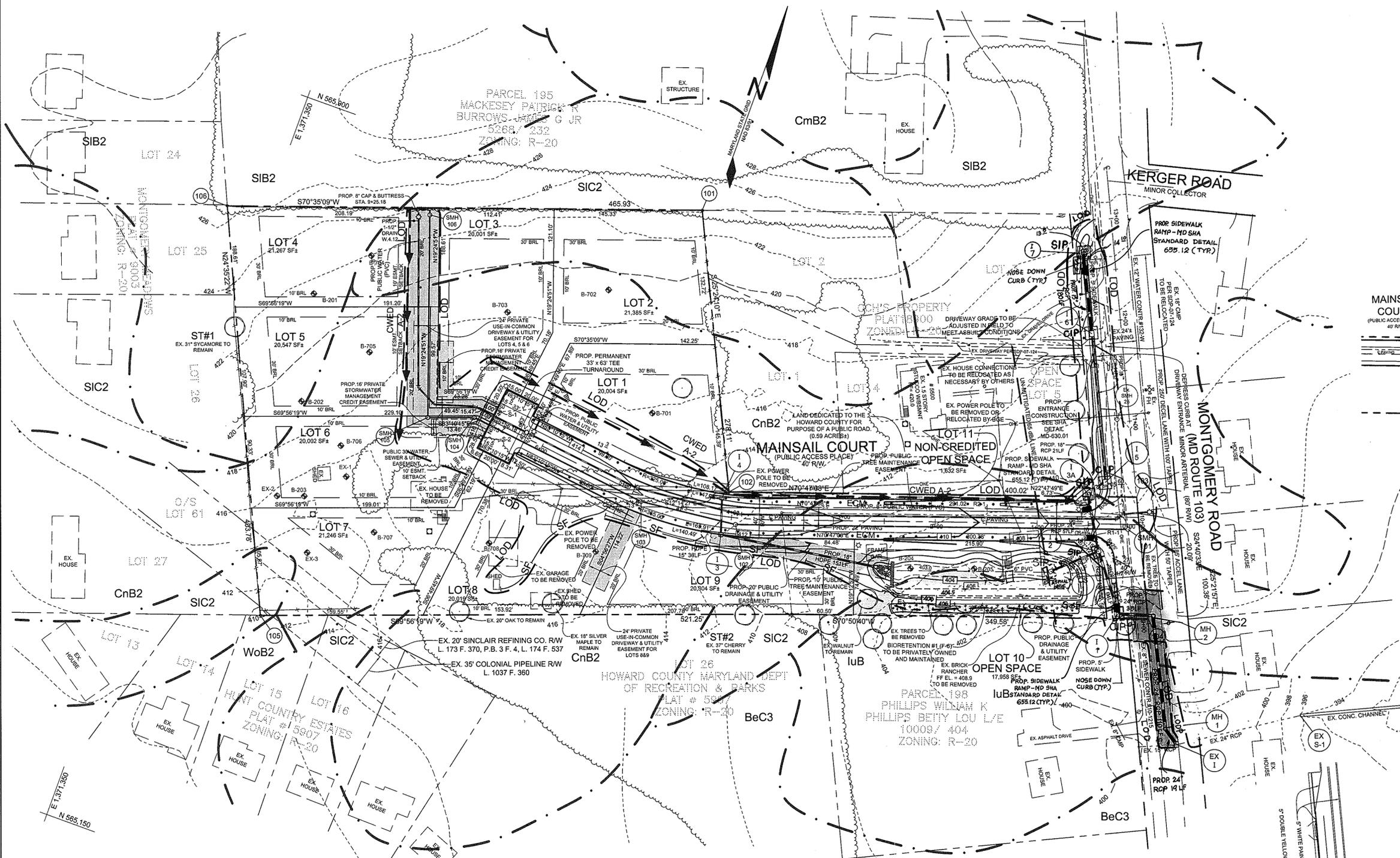
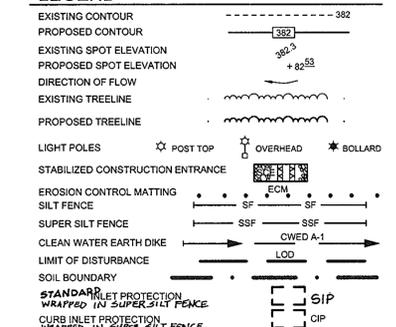
-THE PROPOSED SWALE ALONG MONTGOMERY ROAD IS TO BE IMMEDIATELY STABILIZED WITH SOD.
 -THE GRADING ASSOCIATED WITH I-5 AND I-3A IS TO BE IMMEDIATELY STABILIZED WITH SOD.
 -FOR SOD SPECIFICATIONS SEE NOTES ON SHEET 4.

MD 103 DITCH SCHEDULE

STATION	OFFSET*	ELEVATION*
9+08	38' LEFT	402.0
9+50	38' LEFT	403.0

*OFFSET AND ELEVATION GIVEN TO THE C OF SWALE

LEGEND



NOTES: -CONTRACTOR TO REFERENCE SECTION 104 OF THE SHA "STANDARDS AND SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS"
 -FOR SHOULDER WORK USE SHA TEMPORARY TRAFFIC CONTROL TYPICAL MD 104-02.02
 -FOR ONE LANE CLOSURE USE SHA TEMPORARY TRAFFIC CONTROL TYPICAL MD 104-02.10
 -FOR STAGED ROADWAY CONSTRUCTION USE SHA TEMPORARY TRAFFIC CONTROL TYPICAL MD 104-01.28
 -AT NO TIME SHALL MONTGOMERY ROAD BE CLOSED IN BOTH DIRECTIONS AT THE SAME TIME.

TRAFFIC CONTROL PLAN

NOT TO SCALE

NOTE:
 FOR MD ROUTE 103 IMPROVEMENTS, TRAFFIC CONTROL AND STRIPING PLAN - SEE MARYLAND ROUTE 103 ACCESS PERMIT EXHIBIT

OWNER/DEVELOPER

BONNIE ORCHARD, LLC
 8835-P COLUMBIA 100 PARKWAY
 COLUMBIA, MARYLAND 21045
 410.730.1810

GRADING, SEDIMENT AND EROSION CONTROL PLAN AND TRAFFIC DETAILS

BONNIE ORCHARD
 LOTS 1 THRU 9 AND OPEN SPACE LOTS 10 AND 11
 DPZ. FILE NO.S: SP-03-018 (VOIDED 1-20-04), S-04-007, F-03-152, W-132, 10-1215
 WP-07-059, P-07-004

TAX MAP 31 GRID 21 ZONED R-20 PARCEL 565 & 595
 2ND ELECTION DISTRICT HOWARD COUNTY, MARYLAND

	DESIGN BY: PSJT
	DRAWN BY: JT
	CHECKED BY: PS
	SCALE: AS SHOWN
	DATE: DECEMBER 21, 2009
PROJECT NO: 08-010	
SHEET NO: 3 of 7	

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 32023, EXPIRATION DATE: JUNE 20, 2011

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
 [Signature] 2/3/10
 CHIEF, DIVISION OF LAND DEVELOPMENT

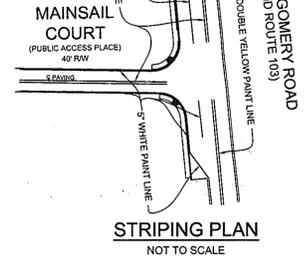
APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 [Signature] 2-5-10
 CHIEF, BUREAU OF HIGHWAYS

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT
 [Signature] 1/7/10
 HOWARD SCD

ENGINEER'S CERTIFICATE
 "I CERTIFY THAT THIS PLAN FOR SEDIMENT AND EROSION 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 SOIL CONSERVATION DISTRICT."
 [Signature] 12/22/09
 SIGNATURE OF ENGINEER PAUL M. SILL, P.E. DATE

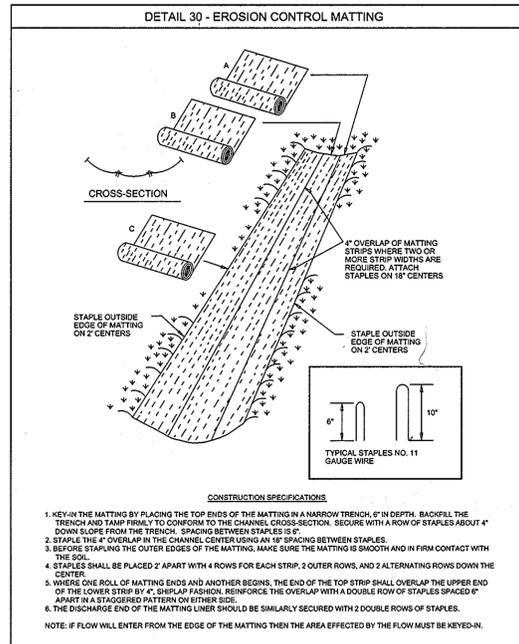
DEVELOPER'S CERTIFICATE
 "I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN FOR SEDIMENT AND EROSION CONTROL, AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT."
 [Signature] 12/22/09
 SIGNATURE OF DEVELOPER DATE

No.	Description	DATE
1	ADD INLET 17, RELOCATE SIDEWALK RAMPS, ADD 2 RAMPS, ADD INLET PROTECTION 15A, 15B, 16, 17, REVISE BIoretention GRADING & NO WOODY ZONE, RELOCATE 15B.	8/03/12

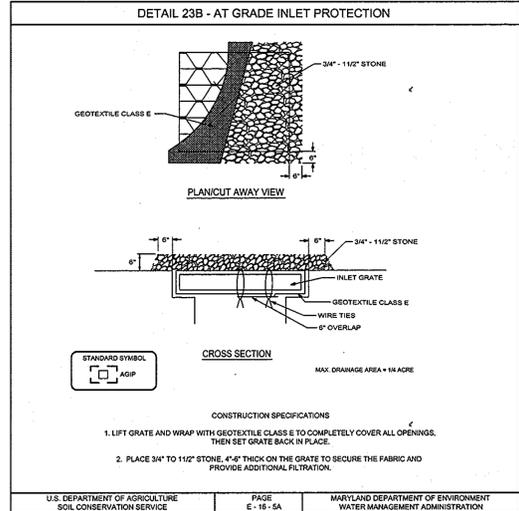


STRIPING PLAN

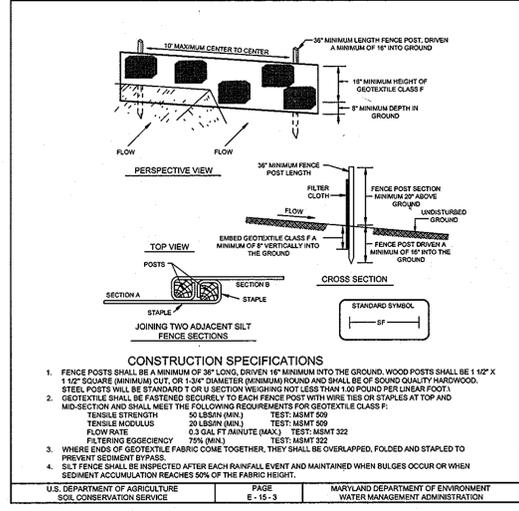
NOT TO SCALE



U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE	PAGE G-2	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION
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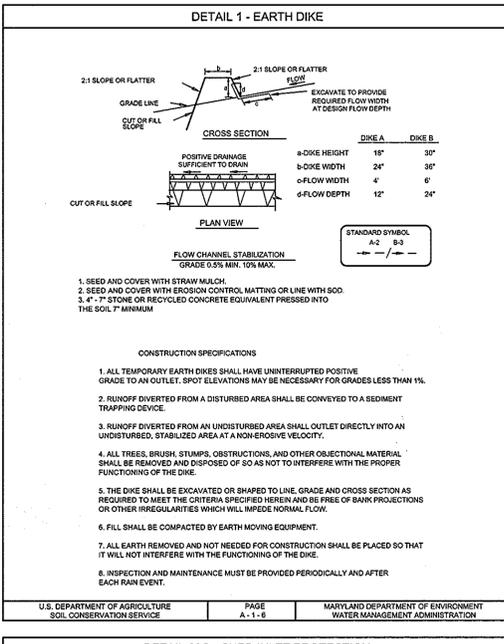
U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE	PAGE E-18-5A	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION
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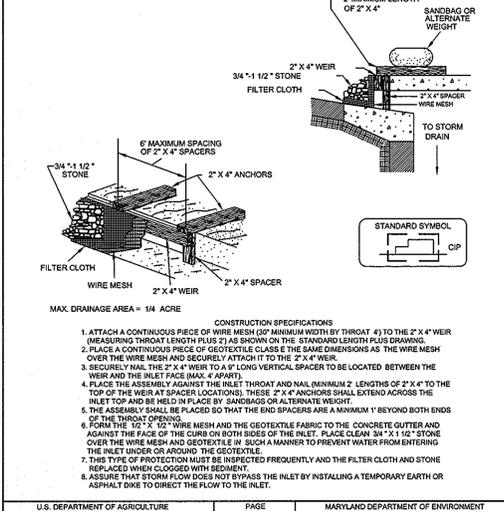
U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE	PAGE E-15-3	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION
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APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
Kat Shelton 2/23/10
CHIEF, DIVISION OF LAND DEVELOPMENT DATE

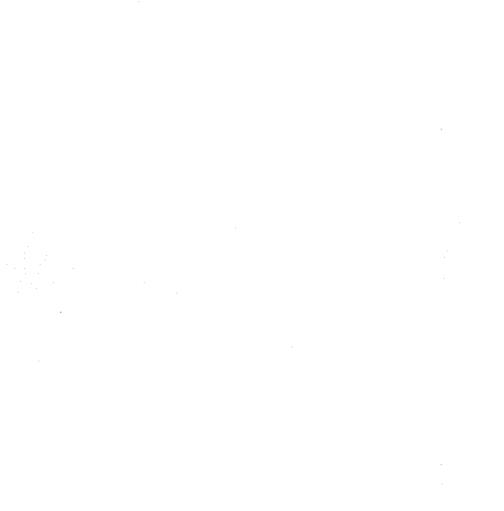
APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
William J. ... 2/22/10
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE



U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE	PAGE A-11-6	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION
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U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE	PAGE E-13-5B	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION
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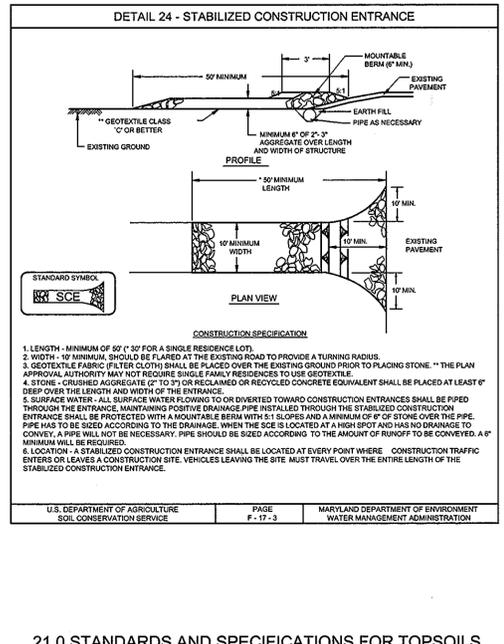


U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE	PAGE F-17-3	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION
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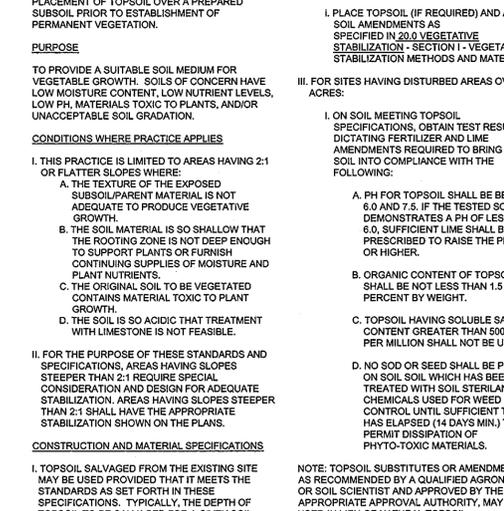
THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT

ENGINEERS CERTIFICATE
I CERTIFY THAT THIS PLAN FOR SEDIMENT AND EROSION 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 SOIL CONSERVATION DISTRICT.

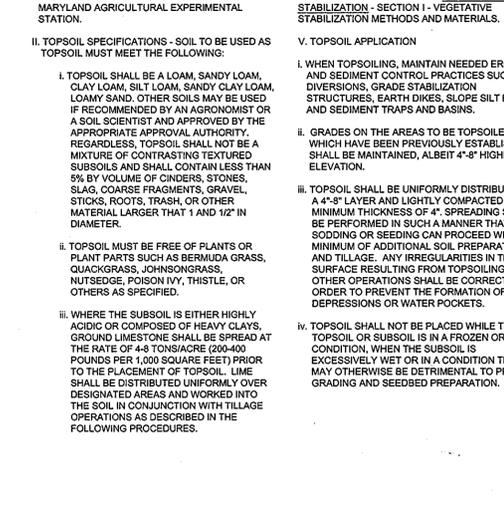
DEVELOPER'S CERTIFICATE
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 32023, EXPIRATION DATE: JUNE 20, 2011



U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE	PAGE F-17-3	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION
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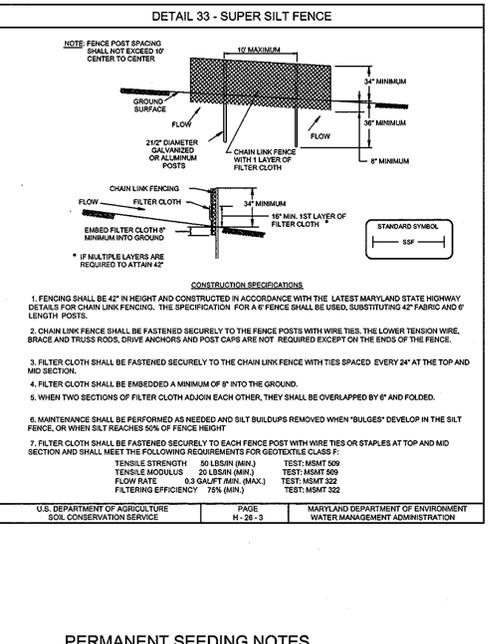
U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE	PAGE F-17-3	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION
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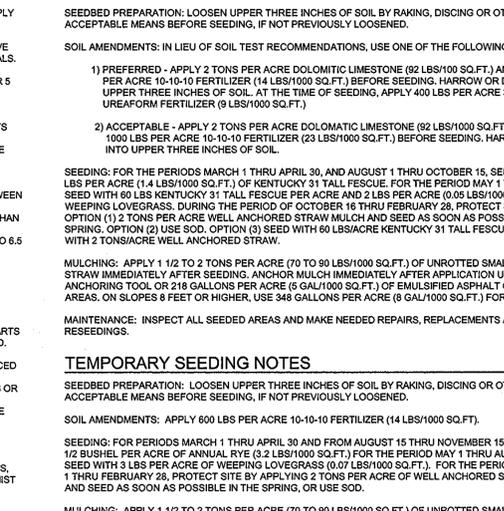
U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE	PAGE H-28-3	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION
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APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
Kat Shelton 2/23/10
CHIEF, DIVISION OF LAND DEVELOPMENT DATE

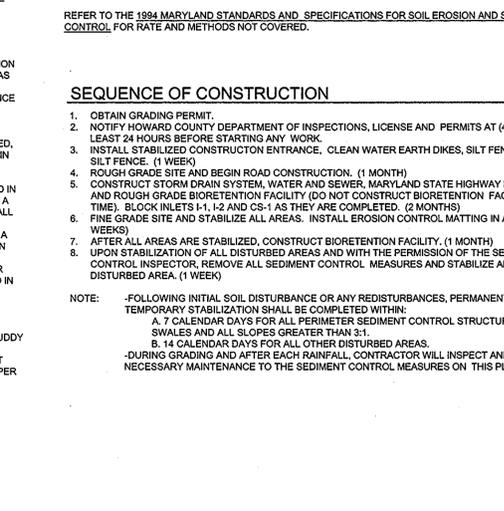
APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
William J. ... 2/22/10
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE



U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE	PAGE H-28-3	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION
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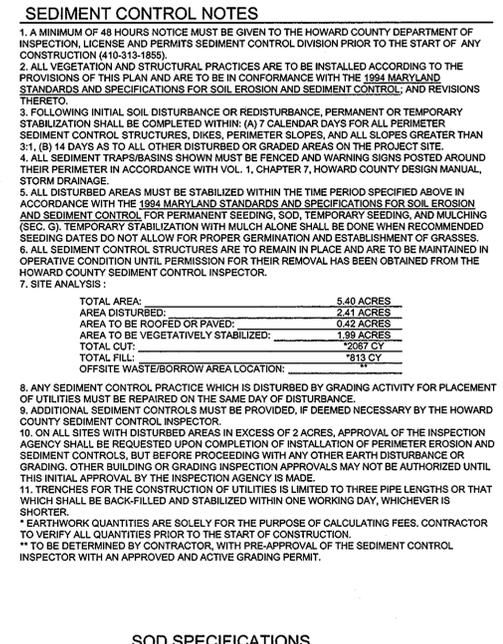
U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE	PAGE H-28-3	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION
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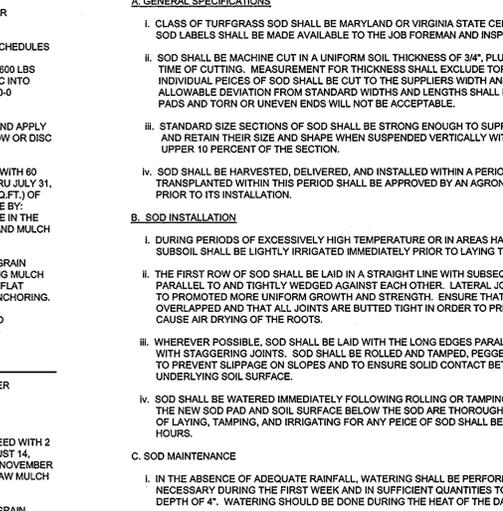
U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE	PAGE H-28-3	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION
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APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
Kat Shelton 2/23/10
CHIEF, DIVISION OF LAND DEVELOPMENT DATE

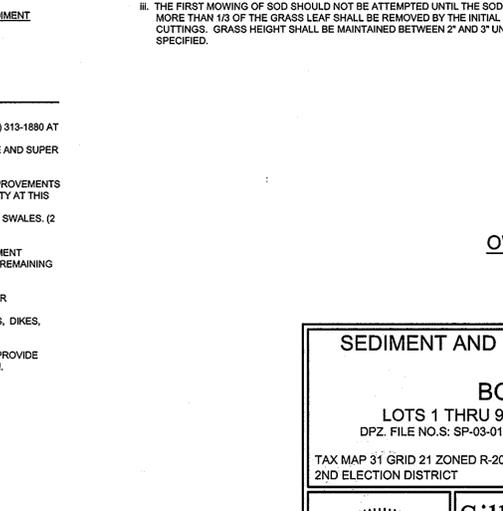
APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
William J. ... 2/22/10
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE



U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE	PAGE H-28-3	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION
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U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE	PAGE H-28-3	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION
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APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
Kat Shelton 2/23/10
CHIEF, DIVISION OF LAND DEVELOPMENT DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
William J. ... 2/22/10
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

Sill · Adcock & Associates · LLC

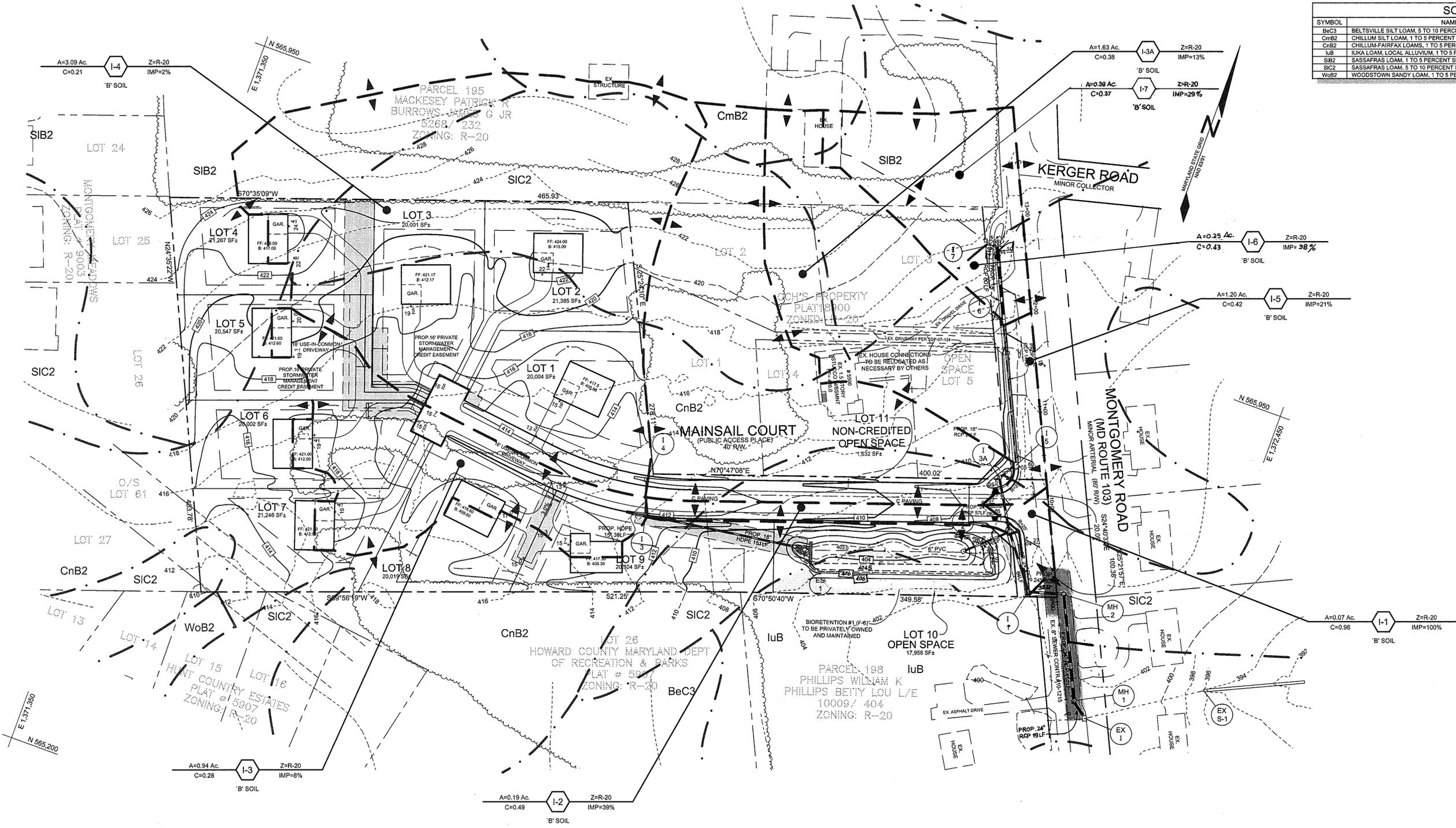
Engineers · Surveyors · Planners

3300 North Ridge Road, Suite 160
Ellicott City, Maryland 21043
Phone: 443.325.7682 Fax: 443.325.7685
Email: info@silladcock.com

DESIGN BY: PS, JT
DRAWN BY: JT
CHECKED BY: PS
SCALE: AS SHOWN
DATE: DECEMBER 21, 2009
PROJECT #: 06-010
SHEET #: 4 OF 7

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 32023, EXPIRATION DATE: JUNE 20,

SOILS LEGEND		
SYMBOL	NAME / DESCRIPTION	GROUP
BcC3	BELTSVILLE SILT LOAM, 5 TO 10 PERCENT SLOPES, SEVERELY ERODED	C
CmB2	CHILLUM SILT LOAM, 1 TO 5 PERCENT SLOPES, MODERATELY ERODED	B
CnB2	CHILLUM FAIRFAX LOAMS, 1 TO 5 PERCENT SLOPES, MODERATELY ERODED	B
lLB	IUKA LOAM, LOCAL ALLUVIUM, 1 TO 5 PERCENT SLOPES	C
SIB2	SASSAFRAS LOAM, 1 TO 5 PERCENT SLOPES, MODERATELY ERODED	B
SIC2	SASSAFRAS LOAM, 5 TO 10 PERCENT SLOPES, MODERATELY ERODED	B
WoB2	WOODSTOWN SANDY LOAM, 1 TO 5 PERCENT SLOPES, MODERATELY ERODED	C



OWNER/DEVELOPER

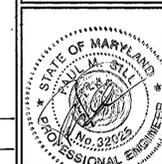
BONNIE ORCHARD, LLC
 8835-P COLUMBIA 100 PARKWAY
 COLUMBIA, MARYLAND 21046
 410.730.1810

STORM DRAIN DRAINAGE AREA MAP

BONNIE ORCHARD

LOTS 1 THRU 9 AND OPEN SPACE LOTS 10 AND 11
 DPZ FILE NO.S: SP-03-018 (VOIDED 1.20.04), S-04-007, F-03-152, W-132, 10-1215
 WP-07-059, P-07-004

TAX MAP 31 GRID 21 ZONED R-20 PARCEL 565 & 595
 2ND ELECTION DISTRICT HOWARD COUNTY, MARYLAND



Sill · Adcock & Associates · LLC
 Engineers · Surveyors · Planners
 3300 North Ridge Road, Suite 160
 Ellicott City, Maryland 21043
 Phone: 443.325.7682 Fax: 443.325.7685
 Email: info@saailland.com

DESIGN BY: PS, JT
 DRAWN BY: JT
 CHECKED BY: PS
 SCALE: 1" = 50'
 DATE: DECEMBER 21, 2009
 PROJECT #: 08-010
 SHEET #: 6 of 7

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

Kurt Sheehy 2/3/10
 CHIEF, DIVISION OF LAND DEVELOPMENT
John J. ... 2/2/10
 CHIEF, DEVELOPMENT ENGINEERING DIVISION

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.

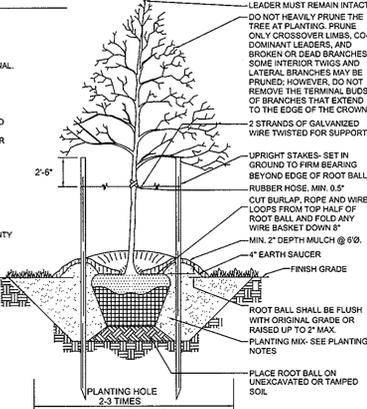
William R. ... 2-5-10
 CHIEF, BUREAU OF HIGHWAYS

NO.	DESCRIPTION	DATE
1	ADD WLEY 1-7, RELOCATE SIDEWALK RAMPS, ADD 2 RAMPS, REVISE DA 1-6, REVISE BIORETENTION GRADING, RELOCATE MH 2	08/03/12

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 32025, EXPIRATION DATE: JUNE 30, 2011.

NOTES

- CONSULT INTERNATIONAL SOCIETY OF ARBORICULTURE GUIDELINES FOR FURTHER DETAILS OF PLANTING SPECIFICATIONS, OR CONSULT WITH A QUALIFIED PROFESSIONAL.
- EACH TREE SHALL BE PLANTED SUCH THAT THE TRUNK FLARE IS VISIBLE AT THE TOP OF THE ROOT BALL.
- STAKES SHALL BE REMOVED NO LATER THAN THE END OF THE FIRST GROWING SEASON AFTER PLANTING.
- PLACE UPRIGHT STAKES PARALLEL TO WALKS & BUILDINGS.
- KEEP MULCH 1" FROM TRUNKS.
- SEE ARCHITECTURAL PLANS FOR ADDITIONAL PLANTINGS WHICH EXCEED HOWARD COUNTY MINIMUM REQUIREMENTS.
- TREES ARE NOT TO BE PLANTED OVER PRIVATE SEWAGE EASEMENT.



TYPICAL TREE PLANTING AND STAKING
DECIDUOUS TREES UP TO 2-1/2" CALIPER NOT TO SCALE

CATEGORY	ADJACENT TO PERIMETER PROPERTIES				
	1	2	3	4	5
PERIMETER/FRONTAGE DESIGNATION LANDSCAPE TYPE	A	A	A	A	A
LINEAR FEET OF ROADWAY FRONTAGE/PERIMETER	361	280	466	404	522
CREDIT FOR EXISTING VEGETATION (YES, NO, LINEAR FEET)	NO	NO	NO	NO	YES(1)
REMAINING PERIMETER LENGTH CREDIT FOR WALL, FENCE OR BERM (YES, NO, LINEAR FEET)	NO	NO	NO	NO	NO
NUMBER OF PLANTS REQUIRED					
SHADE TREES	1:80	1:80	1:80	1:80	7(1)
EVERGREEN TREES	-	-	-	-	-
SHRUBS	-	-	-	-	-
NUMBER OF PLANTS PROVIDED					
SHADE TREES	7	5	8	7	7(1)
EVERGREEN TREES	-	-	-	-	-
OTHER TREES (2:1 SUBSTITUTION) SHRUBS (10:1 SUBSTITUTION) (DESCRIBE PLANT SUBSTITUTION CREDITS BELOW IF NEEDED)	-	-	-	-	-

NOTES:
1. CREDIT TAKEN FOR EXISTING 20" OAK AND 18" SILVER MAPLE.

LANDSCAPE NOTES

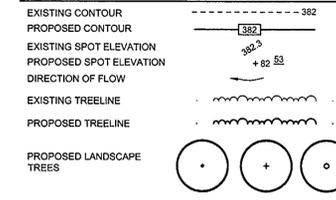
- AT THE TIME OF INSTALLMENT, ALL SHRUBS AND OTHER PLANTINGS HEREWITH LISTED AND APPROVED FOR THIS SITE, SHALL BE OF THE PROPER HEIGHT REQUIREMENTS IN ACCORDANCE WITH THE HOWARD COUNTY LANDSCAPING MANUAL. IN ADDITION, NO SUBSTITUTIONS OR RELOCATION OF REQUIRED PLANTINGS MAY BE MADE WITHOUT PRIOR REVIEW AND APPROVAL FROM THE DEPARTMENT OF PLANNING AND ZONING. ANY DEVIATION FROM THIS APPROVED LANDSCAPE PLAN MAY RESULT IN DENIAL OR DELAY IN THE RELEASE OF LANDSCAPE SURETY UNTIL SUCH TIME AS ALL REQUIRED MATERIALS ARE PLANTED AND/OR REVISIONS ARE MADE TO APPLICABLE PLANS AND CERTIFICATES.
- THE OWNER, TENANT, AND/OR THEIR AGENTS SHALL BE RESPONSIBLE FOR MAINTENANCE OF THE REQUIRED LANDSCAPING, INCLUDING BOTH PLANT MATERIALS AND BERMS, FENCES AND WALLS. ALL PLANT MATERIALS SHALL BE MAINTAINED IN GOOD GROWING CONDITION, AND WHEN NECESSARY, REPLACED WITH NEW MATERIALS TO ENSURE CONTINUED COMPLIANCE WITH APPLICABLE REGULATIONS. ALL OTHER REQUIRED LANDSCAPING SHALL BE PERMANENTLY MAINTAINED IN GOOD CONDITION, AND WHEN NECESSARY, REPAIRED OR REPLACED.
- FINANCIAL SURETY FOR THE REQUIRED LANDSCAPING WILL BE POSTED AS PART OF THE DEVELOPER'S AGREEMENT IN THE AMOUNT OF \$20,100.00 (\$9,800.00 FOR STREET TREES; 33 SHADE TREES @ \$300.00 EACH AND \$10,200.00 FOR PERIMETER LANDSCAPING TREES: 34 SHADE TREES @ \$300.00 EACH) AND WILL BE PLANTED AT THE SITE DEVELOPMENT PLAN STAGE.

STREET TREE SCHEDULE			
STREET NAME	LF REQUIRED	TREES REQUIRED	TREES PROVIDED
MAINSAIL COURT	1,310	33	33

LANDSCAPE SCHEDULE (STREET)				
KEY	QUANTITY	BOTANICAL NAME	SIZE	NOTE
AR	31	ACER RUBRUM RED SUNSET [®] RED SUNSET RED MAPLE	2 1/2"-3" CAL.	B & B
CC	2	CARPINUS CAROLINIANA AMERICAN HORNBEEAM	2 1/2"-3" CAL.	B & B

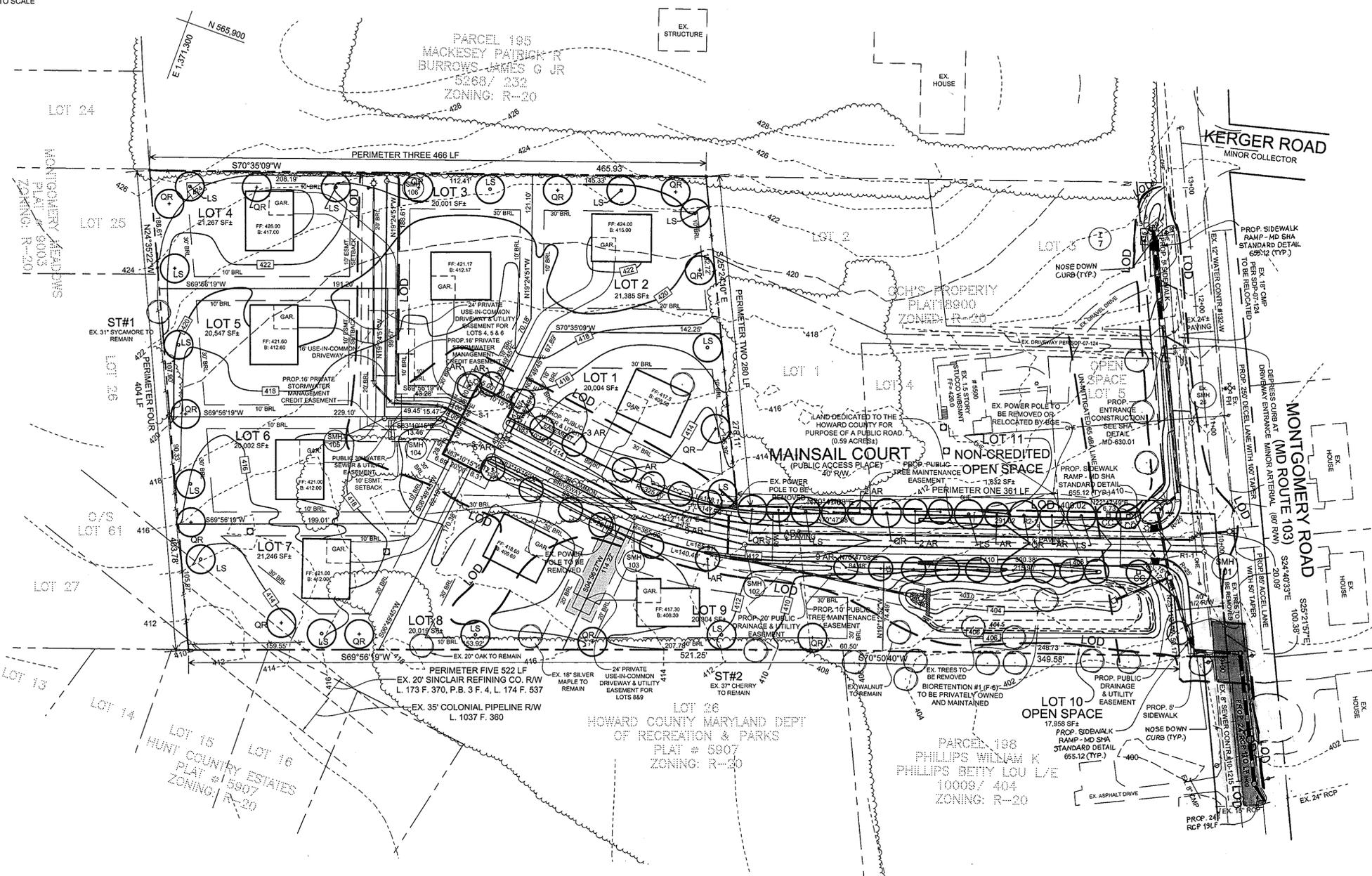
LANDSCAPE SCHEDULE (PERIMETER)				
KEY	QUANTITY	BOTANICAL NAME	SIZE	NOTE
QR	16	QUERCUS ROBUR FASTIGIATA [®] COLLIMAR ENGLISH OAK	2 1/2"-3" CAL.	B & B
LS	17	LIQUIDAMBER STYRACIFLUA AMERICAN SWEETGUM	2 1/2"-3" CAL.	B & B
CC	1	CARPINUS CAROLINIANA AMERICAN HORNBEEAM	2 1/2"-3" CAL.	B & B

LEGEND



Forest Conservation Worksheet 2.2

Net Tract Area		Input the number "1" under the appropriate land use zoning, and limit to only one entry							
A.	Total Tract Area	ARA	MDR	IDA	HDR	MPD	CIA	A =	5.40
B.	Deductions	0	0	0	1	0	0	B =	0.00
C.	Net Tract Area							C =	5.40
Land Use Category									
D.	Afforestation Threshold (Net Tract Area x 15%)							D =	0.81
E.	Conservation Threshold (Net Tract Area x 20%)							E =	1.08
Existing Forest Cover									
F.	Existing Forest Cover within the Net Tract Area							F =	0.00
G.	Area of Forest Above Conservation Threshold							G =	0.00
Break Even Point									
H.	Break Even Point							H =	0.00
I.	Forest Clearing Permitted Without Mitigation							I =	0.00
Proposed Forest Clearing									
J.	Total Area of Forest to be Cleared							J =	0.00
K.	Total Area of Forest to be Retained							K =	0.00
Planting Requirements									
L.	Reforestation for Clearing Above the Conservation Threshold							L =	0.00
M.	Reforestation for Clearing Below the Conservation Threshold							M =	0.00
N.	Credit for Retention above the Conservation Threshold							N =	0.00
P.	Total Reforestation Required							P =	0.00
Q.	Total Afforestation Required							Q =	0.81
R.	Total Planting Requirement							R =	0.81



APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
Vest Shulman 2/5/10
CHIEF, DIVISION OF LAND DEVELOPMENT

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Walter A. Marshall 2-5-10
CHIEF, BUREAU OF HIGHWAYS

DEVELOPER'S BUILDER'S CERTIFICATE
I CERTIFY THAT THE LANDSCAPING SHOWN ON THIS PLAN WILL BE DONE ACCORDING TO THE PLAN, SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE HOWARD COUNTY LANDSCAPE MANUAL. I FURTHER CERTIFY THAT UPON COMPLETION, A LETTER OF LANDSCAPE INSTALLATION, ACCOMPANIED BY AN EXECUTED ONE(1) YEAR GUARANTEE OF PLANT MATERIALS, WILL BE SUBMITTED TO THE DEPARTMENT OF PLANNING AND ZONING.
John A. ... 1/2/10

No.	DESCRIPTION	DATE
1	ADD INLET #7, ADD & RELOCATE STORM DRAIN PIPING, RELOCATE MH#2, RELOCATE SIDEWALK RAMPS, ADD 2 RAMPS, REVISE BIORETENTION GRASSING	08/09/12



FOREST CONSERVATION AND LANDSCAPE PLAN
BONNIE ORCHARD
LOTS 1 THRU 9 AND OPEN SPACE LOTS 10 AND 11
DPZ. FILE NO. S: SP-03-018 (VOIDED 1/20/04), S-04-007, F-03-152, W-132, 10-1215
TX MAP 31 GRID 21 ZONED R-20
2ND ELECTION DISTRICT

Sill · Adcock & Associates · LLC
Engineers · Surveyors · Planners
3300 North Ridge Road, Suite 160
Ellicott City, Maryland 21043
Phone: 443.325.7682 Fax: 443.325.7685
Email: info@silland.com

DESIGN BY: PS, JT
DRAWN BY: JT
CHECKED BY: PS
SCALE: 1" = 50'
DATE: DECEMBER 21, 2009
PROJECT #: 06-010
SHEET #: 7 of 7