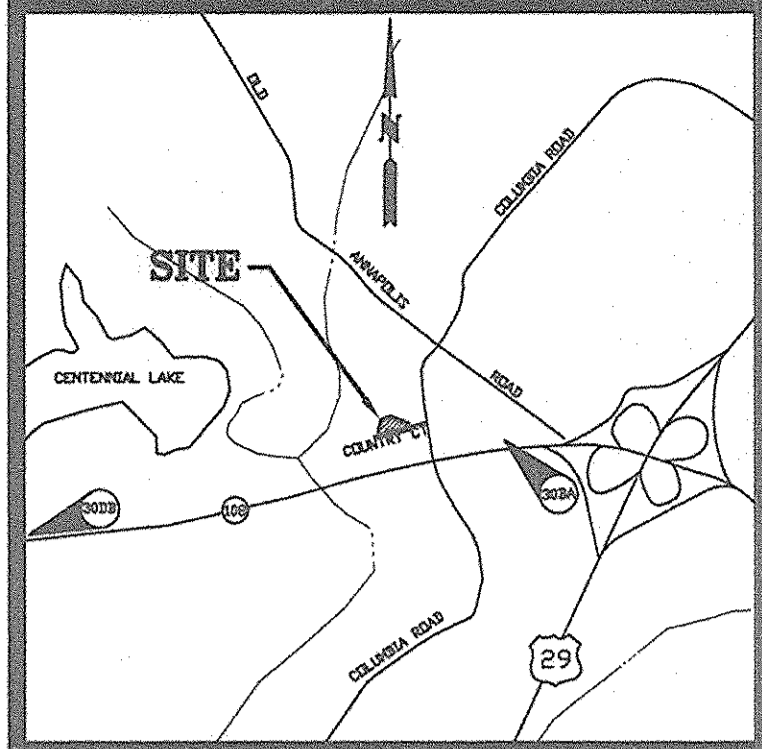


SHEET INDEX	
NO.	TITLE
1	COVER SHEET
2	EXISTING CONDITIONS PLAN
3	SITE DEVELOPMENT AND UTILITY PLAN
4	NOTES AND DETAILS
5	EROSION AND SEDIMENT CONTROL PLAN
6	EROSION AND SEDIMENT CONTROL NOTES & DETAILS
7	LANDSCAPE PLAN
8	LANDSCAPE NOTES AND DETAILS

SITE DEVELOPMENT PLAN

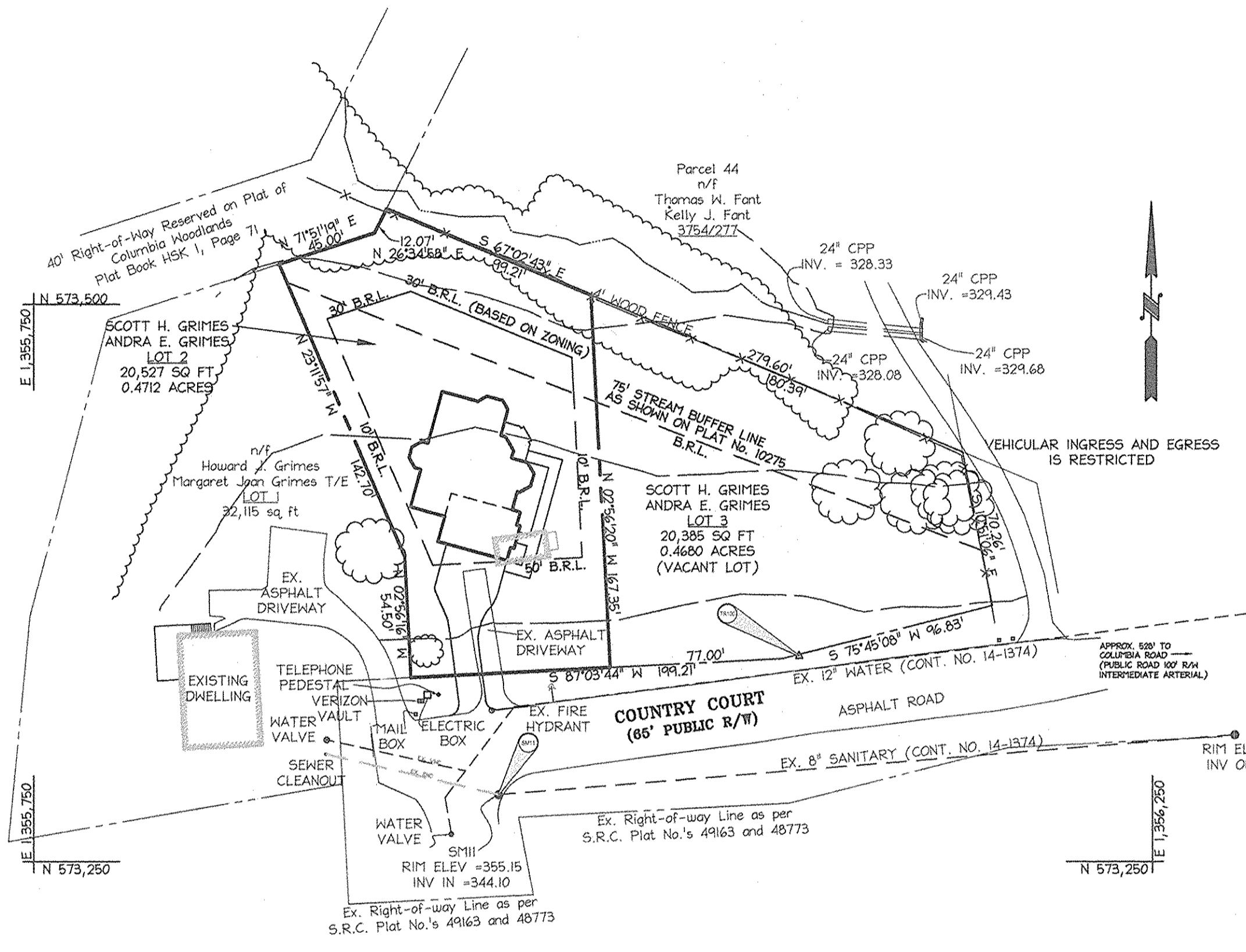
JASON SUBDIVISION, LOT 2, 4815 COUNTRY COURT, ELICOTT CITY, MARYLAND

2nd ELECTION DISTRICT



VICINITY MAP ADC#20602114 SCALE 1"=2000'				
HOWARD COUNTY, MAP 15, GRID J-1 HOWARD COUNTY CONTROL STATIONS: SURVEY BENCH MARK= 300B N 174436.818, E 412395.770L, ELEV.= 124.746 SURVEY GEODETIC CONTROL= 300A N 174696.178, E 4136393789, ELEV.= 121.067				
BENCHMARKS				
B#	NORTHING	EASTING	ELEVATION	DESCRIPTION
TR100	573342.233	135692.104	333.28	60 penny nail set
SM11	573279.996	135595.780	335.15	Rim of Sewer Manhole No. 11

- GENERAL NOTES**
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL, VOL. IV STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION AND MSHA STANDARDS AND SPECIFICATIONS.
 - THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS/BUREAU OF ENGINEERING/ CONSTRUCTION INSPECTION DIVISION AT (410) 313-1800 AT LEAST FIVE (5) WORKING DAYS PRIOR TO THE START OF WORK. THE HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS BUREAU OF HIGHWAYS AT (410) 313-2460 AT LEAST FIVE (5) WORKING DAYS BEFORE ANY OPEN CUT OF ANY COUNTY ROAD OR BORING/JACKING OPERATION IN COUNTY ROADS FOR LAYING WATER AND SEWER MAINS OR HOUSE CONNECTIONS. ANY DAMAGE TO THE COUNTY'S RIGHT-OF-WAY SHALL BE CORRECTED AT THE CONTRACTOR/DEVELOPER'S EXPENSE.
 - THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK BEING DONE. CONTRACTOR SHALL TEST PIT FOR EXACT LOCATIONS OF THE UTILITIES.
 - TRAFFIC CONTROL DEVICES, MARKINGS AND SIGNING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). ALL STREET AND REGULATORY SIGNS SHALL BE IN PLACE PRIOR TO THE PLACEMENT OF ANY ASPHALT.
 - APPROXIMATE LOCATION OF EXISTING UTILITIES ARE PER HOWARD COUNTY RECORDS.
 - PUBLIC WATER AND SEWER IN COUNTRY COURT PROVIDED BY CONTRACT #14-1374 (WATER) AND #14-1374 (SEWER). PROPOSED WATER AND SEWER TO THE LOTS WILL BE PROVIDED IN ACCORDANCE WITH SECTION 18.122B OF THE HOWARD COUNTY CODE. PUBLIC WATER AND SEWER ALLOCATION WILL BE GRANTED AT THE TIME OF ISSUANCE OF THE BUILDING PERMIT IF CAPACITY IS AVAILABLE AT THAT TIME.
 - THIS SITE IS LOCATED IN THE LITTLE PATUXENT WATERSHED.
 - ALL FILL AREAS SHALL BE COMPACTED TO A MINIMUM OF 95% OF THE MAXIMUM DRY DENSITY AS DETERMINED AND VERIFIED IN ACCORDANCE WITH AASHTO T-180--STANDARD.
 - CONTRACTOR SHALL MAINTAIN ALL SEDIMENT CONTROL DEVICES WITHIN THE LIMITS OF THE SITE DURING CONSTRUCTION OF THE SITE IMPROVEMENTS. CONTRACTOR SHALL PROVIDE ADDITIONAL EROSION AND SEDIMENTATION CONTROL MEASURES AS MAY BE NECESSARY DURING CONSTRUCTION AND/OR BY GOVERNING AGENCIES.
 - PER FEMA MAP# 2400440028C DATED APRIL 2, 1997, THIS SITE IS LOCATED WITHIN THE 100 YR FLOODPLAIN. PER THE HOWARD COUNTY BUREAU OF ENVIRONMENTAL SERVICES, THIS SITE IS LOCATED IN THE 100-YR FLOODPLAIN.
 - PER A FIELD INSPECTION PERFORMED BY christopher consultants' ON OCTOBER 3, 2006, THERE ARE NO STREAMS, WETLANDS OR OTHER ENVIRONMENTAL FEATURES, HOWEVER, THE SITE IS IMPACTED BY A 75-FOOT STREAM BUFFER.
 - THERE ARE STEEP SLOPES AND/OR HIGHLY ERODIBLE SOILS ON THIS SITE. THE SLOPES AVERAGE BETWEEN 15% - 24% OVER 10 VERTICAL FEET, BUT NO 25% OR GREATER SLOPES ARE PRESENT. THE TOPOGRAPHY IS BASED ON A FIELD RUN SURVEY COMPLETED BY christopher consultants IN AUGUST 2006.
 - THERE ARE NO KNOWN CEMETERIES OR BURIAL GROUNDS ON THIS SITE. HOWEVER, UPON DISCOVERY OF ANY EVIDENCE OF BURIAL OR GRAVES, THE DEVELOPER WILL BE SUBJECT TO SECTION 16.1905 OF THE HOWARD COUNTY SUBDIVISION AND LAND DEVELOPMENT REGULATIONS. THERE ARE NO HISTORIC STRUCTURES OR CEMETERIES LOCATED ONSITE.
 - ALL ADJACENT PROPERTIES ARE RESIDENTIAL USES.
 - THIS PROPERTY IS ZONED R-20 PER THE 2/2/04 COMPREHENSIVE ZONING PLAN AND THE "COMP. LITE" ZONING AMENDMENTS EFFECTIVE 7/28/06.
 - THE TOPOGRAPHY AND SITE BOUNDARY HERE PREPARED BY christopher consultants IN AUGUST 2006.
 - THE COORDINATES SHOWN HEREON ARE BASED UPON THE HOWARD COUNTY GEODETIC CONTROL WHICH IS BASED UPON THE MARYLAND STATE PLAN COORDINATE SYSTEM. MONUMENT NUMBERS 300B AND 300A WERE USED FOR THIS PROJECT (NAD 83/91.)
 - CONTRACTOR SHALL VERIFY SIZE AND LOCATIONS OF ALL UNDERGROUND UTILITIES AND TEST PIT ALL UTILITIES, INCLUDING PROPOSED TIE IN LOCATIONS, AT LEAST 5 DAYS PRIOR TO STARTING ANY WORK ON THESE DRAWINGS. DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER IN ADVANCE OF CONSTRUCTION START.
 - THE CONTRACTOR SHALL INSURE THAT CURRENT AS-BUILT RECORDS ARE MAINTAINED DURING CONSTRUCTION. UPON COMPLETION OF CONSTRUCTION, CERTIFIED (I.E. P.E. STAMPED) AS-BUILT DRAWINGS SHALL BE SUBMITTED TO THE OWNER.
 - WATER QUALITY FOR THIS SITE HAS BEEN PROVIDED ON A LOT BY LOT BASIS AND WILL BE ACHIEVED THROUGH THE USE OF NON ROOFTOP DISCONNECTION, BIoretENTION DEVICES, AND VARIOUS COMBINATIONS OF THESE DEVICES. ALL DEVICES HAVE BEEN DESIGNED IN ACCORDANCE WITH THE 2000 MDE STORMWATER DESIGN MANUAL. THE BIoretENTION FACILITY ON LOT 2 SHALL BE OWNED AND MAINTAINED BY THE OWNER OF LOT 2.
 - THE LANDSCAPE PLAN HAS BEEN PREPARED IN ACCORDANCE WITH SECTION 16.124 OF THE HOWARD COUNTY CODE, AND THE LANDSCAPE MANUAL.
 - CONTRACTOR TO PROVIDE SIGNAGE AND TRAFFIC CONTROL DEVICES FOR COUNTRY COURT AS NECESSARY TO PREVENT PUBLIC ACCESS TO ROAD DURING CONSTRUCTION.
 - DEVELOPER RESERVES TO ITSELF, ITS SUCCESSORS AND ASSIGNS, ALL EASEMENTS SHOWN ON THIS PLAN FOR WATER, SEWER, STORM DRAINAGE, AND OTHER PUBLIC UTILITIES LOCATED IN, ON, OVER AND THROUGH LOTS/PARCELS, ANY CONVEYANCES OF THE FORESAID LOTS/ PARCELS SHALL BE SUBJECT TO THE EASEMENTS HEREIN RESERVED, WHETHER OR NOT EXPRESSLY STATED IN THE DEED(S) CONVEYING SAID LOT(S) / PARCELS. DEVELOPER SHALL EXECUTE AND DELIVER DEEDS FOR THE EASEMENTS HEREIN RESERVED TO HOWARD COUNTY WITH A METES AND BOUNDS DESCRIPTION OF THE FOREST CONSERVATION AREA. UPON COMPLETION OF THE PUBLIC UTILITIES AND THEIR ACCEPTANCE BY HOWARD COUNTY, AND IN THE CASE OF THE FOREST CONSERVATION EASEMENT(S), UPON COMPLETION OF THE DEVELOPER OBLIGATIONS UNDER THE FOREST CONSERVATION INSTALLATION AND MAINTENANCE AGREEMENT EXECUTED BY THE DEVELOPER AND THE COUNTY, AND THE RELEASE OF DEVELOPER'S SURETY POSTED WITH SAID AGREEMENT. THE COUNTY SHALL ACCEPT THE EASEMENTS AND RECORD THE DEED(S) OF EASEMENT IN THE LAND RECORDS OF HOWARD COUNTY.
 - ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS.
 - CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE (5) WORKING DAYS PRIOR TO STARTING ON THESE PLANS:
 - MISS UTILITY 1-800-257-7777
 - HOWARD COUNTY DP&T, BUREAU OF UTILITIES (410) 313-4900
 - BALTIMORE GAS AND ELECTRIC COMPANY CONTRACTOR SERVICES (410)350-4620
 - BALTIMORE GAS AND ELECTRIC COMPANY UNDERGROUND DAMAGE CONTROL (410)787-9066
 - VERIZON 1-800-446-5266
 - CONTRACTOR SHALL REMOVE TREES, STUMPS AND ROOTS AS NECESSARY TO GRADE THE SITE AND COMPLETE ANY REQUIRED EXCAVATIONS.
 - IN ACCORDANCE WITH SECTION 128 OF THE HOWARD COUNTY ZONING REGULATIONS, BAY WINDOWS, CHIMNEYS OR EXTERIOR STAIRWAYS NOT MORE THAN 16' IN WIDTH MAY PROJECT NOT MORE THAN 4' INTO ANY SETBACKS, PORCHES OR DECKS, OPEN OR ENCLOSED MAY PROJECT MORE THAN 10' INTO THE FRONT OR REAR YARD SETBACKS.
 - THIS PROJECT IS EXEMPT FROM THE REQUIREMENTS OF SECTION 16.1202(b) OF THE HOWARD COUNTY CODE FOR FOREST CONSERVATION BECAUSE IT IS A DEVELOPMENT ACTIVITY ON SINGLE LOTS SMALLER THAN 40,000 SQUARE FEET AND THE CLEARING DOES NOT INCLUDE ANY AREA ALREADY SUBJECT TO PREVIOUSLY APPROVED FOREST CONSERVATION RESTRICTIONS.
 - DRIVEWAY (S) SHALL BE PROVIDED PRIOR TO ISSUANCE OF A USE AND OCCUPANCY PERMIT FOR ANY NEW DWELLINGS TO INSURE SAFE ACCESS FOR FIRE AND EMERGENCY VEHICLES PER THE FOLLOWING MINIMUM REQUIREMENTS:
 - WIDTH-12 FEET (16 FEET SERVING MORE THAN ONE RESIDENCE).
 - SURFACE-4 INCHES OF COMPACTED CRUSHER RUN BASE WITH TAR AND CHIP COATING.
 - GEOMETRY-MAXIMUM 15% GRADE, MAXIMUM 10% GRADE CHANGE AND MINIMUM OF 45-FOOT TURNING RADIUS.
 - STRUCTURES (CULVERTS/BRIDGES)-CAPABLE OF SUPPORTING 25 GROSS TONS (H25 LOADING).
 - DRAINAGE ELEMENTS-CAPABLE OF PASSING 100-YEAR FLOOD WITH NO MORE THAN 1 FOOT DEPTH OVER DRIVEWAY SURFACE.
 - MAINTENANCE-SUFFICIENT TO INSURE ALL WEATHER USE.
 - REFER TO HOWARD COUNTY STANDARD DETAIL R6.06 FOR DRIVEWAY ENTRANCE DETAILS.
 - THIS IS A RESIDENTIAL INFILL DEVELOPMENT CREATING 10 OR FEWER LOTS. PER SECTION 16.121 (a) OPEN SPACE IS NOT REQUIRED.
 - THIS SITE DEVELOPMENT PLAN IS SUBJECT TO THE AMENDED FIFTH EDITION OF THE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS EFFECTIVE 10-02-03 AND THE 2004 ZONING REGULATIONS EFFECTIVE 4-13-04. DEVELOPMENT OF CONSTRUCTION ON THESE LOTS MUST COMPLY WITH SETBACK AND BUFFER REGULATIONS IN EFFECT AT THE TIME OF SUBMISSION OF THE SITE DEVELOPMENT PLAN, WAIVER PETITION APPLICATION, OR BUILDING PERMIT APPLICATION.
 - 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 ONTO THE PIPESTEM LOT DRIVEWAY.
 - NO GRADING, REMOVAL OF VEGETATIVE COVER OR TREES, PAVING AND NEW STRUCTURES SHALL BE PERMITTED WITHIN THE REQUIRED WETLANDS, STREAM(S) OR THEIR BUFFERS, FOREST CONSERVATION EASEMENT AREAS AND 100 YEAR FLOODPLAIN.
 - FINANCIAL SURETY FOR THE REQUIRED NINE (9) SHADE TREES IN THE AMOUNT OF \$2,700.00 IS PART OF THE DEPARTMENT OF PUBLIC WORKS (DPW) DEVELOPER'S AGREEMENT FOR LOT 2.
 - A LETTER OF PERMISSION, DATED NOVEMBER 15, 2006, WAS GRANTED BY THE OWNERS OF LOT 1 AND 3 FOR THE PROPOSED OFFSITE GRADING.



- SITE ANALYSIS DATA CHART**
- GENERAL SITE DATA**
 - PRESENT ZONING: R-20 PER THE JULY 28, 2006 COMP. LITE REZONING
 - APPLICABLE DPZ FILE REFERENCES: F-92-05
 - PROPOSED USE OF SITE OR STRUCTURE(S): ONE (1) SINGLE FAMILY DETACHED RESIDENTIAL HOUSE
 - PROPOSED WATER AND SEWER SYSTEMS: PUBLIC WATER & SEWER
 - PROPOSED NUMBER OF UNITS: ONE (1)
 - AREA TABULATION - LOT 2**
 - TOTAL PROJECT AREA: 0.4712 AC.
 - AREA OF THIS PLAN SUBMISSION: 0.4712 AC
 - LIMIT OF DISTURBED AREA: 0.494 AC.
 - MINIMUM LOT SIZE: 20,000 S.F.
 - MINIMUM LOT WIDTH AT B.R.L.: 60'
 - MINIMUM OPEN SPACE OR GROSS TRACT
 - MAXIMUM BUILDING HEIGHT: 34' FOR PRIMARY STRUCTURE, 15' FOR ACCESSORY STRUCTURE REQUIRED.
 - SETBACKS**

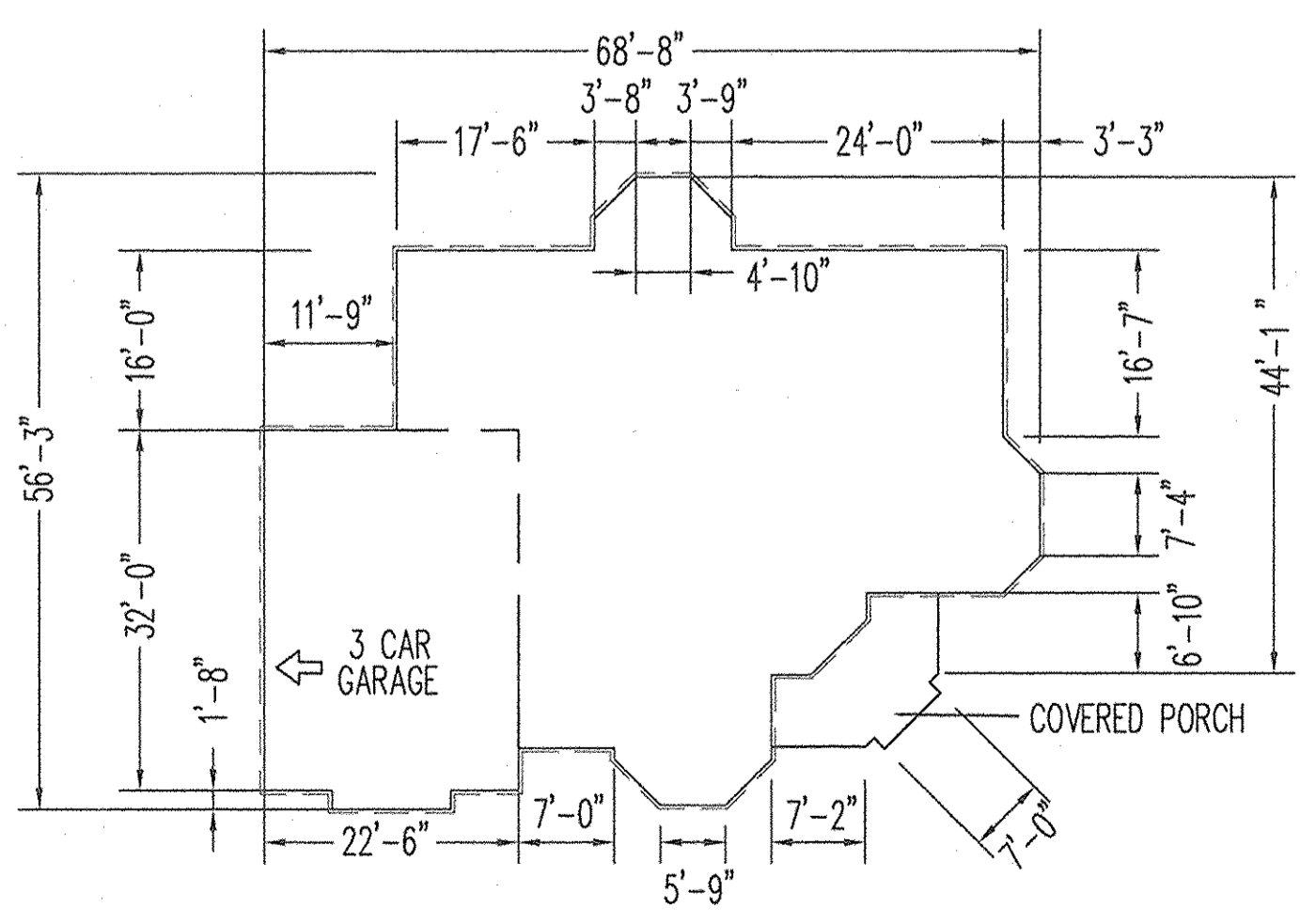
LOT 2

FRONT: SETBACK FROM PUBLIC STREET R.O.W.: 50'

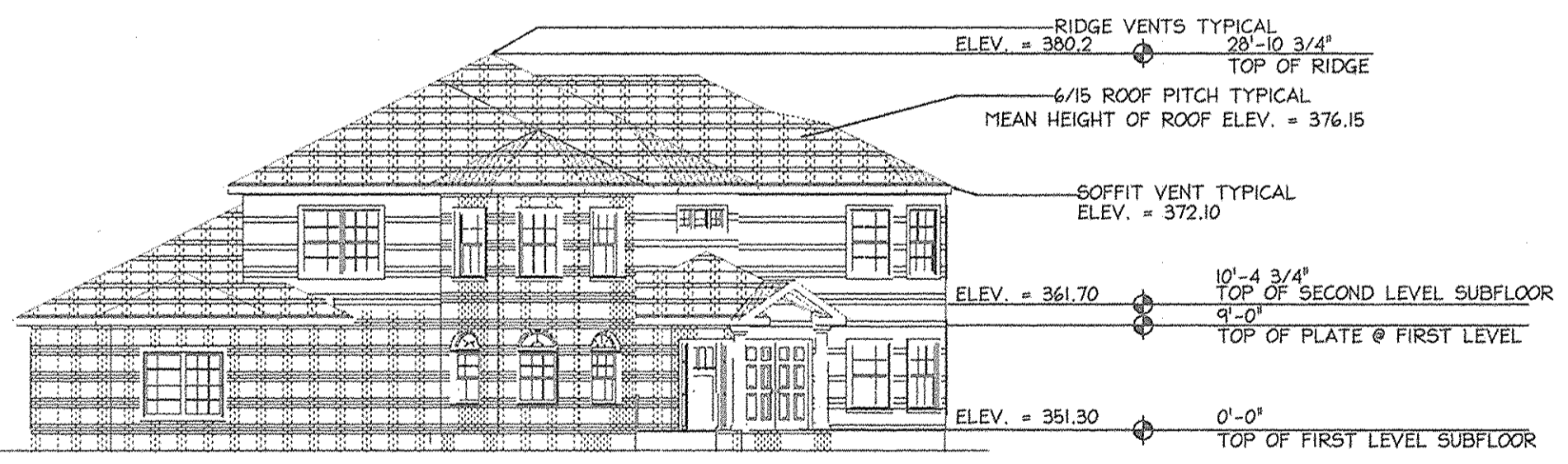
ADJACENT LOT: 10'

REAR: ADJACENT LOT: 30'

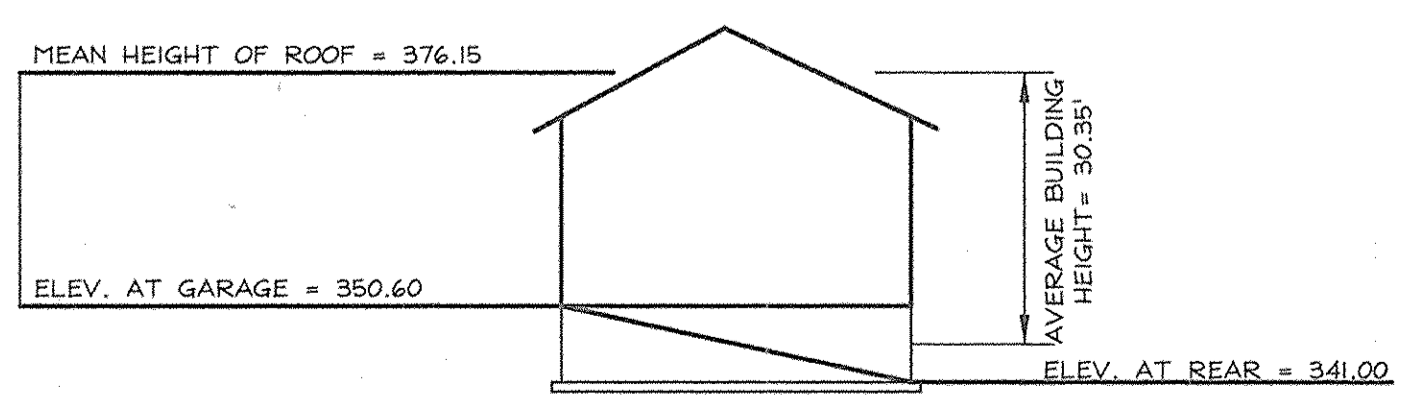
OVERALL PLAN VIEW
SCALE: 1"=50'



THE GRIMES RESIDENCE
SCALE: 1/16" = 1'

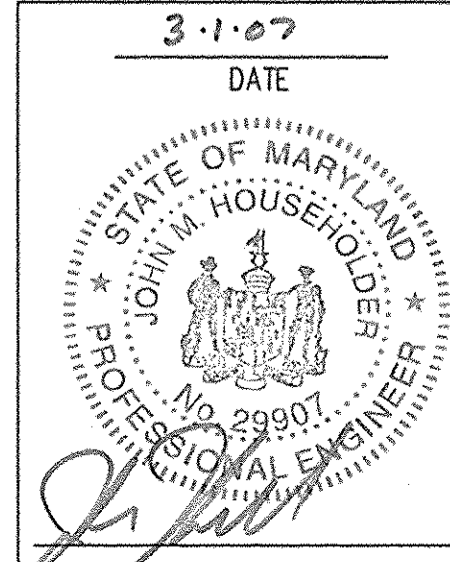


FRONT ELEVATION
N.T.S.



BUILDING HEIGHT COMPUTATION

MEAN HEIGHT OF ROOF = 376.15
MEAN GRADE = 345.80 (350.60 to 341.00)
AVERAGE BUILDING HEIGHT = 30.35'



APPROVED: DEPARTMENT OF PLANNING AND ZONING	
Chief, Division of Land Development	4/10/07
Chief, Development Engineering Division	4/10/07
Director, Department of Planning and Zoning	4/10/07

Date	No.	Revision Description

**JASON SUBDIVISION,
LOT 2, COUNTRY COURT
SINGLE FAMILY HOME CONSTRUCTION**

OWNER / DEVELOPER

ANDRA GRIMES 4825 COUNTRY COURT
ELLICOTT CITY, MARYLAND 21042
CONTACT: ANDRA GRIMES TEL. (410) 942-3885 FAX (410) 940-3885

christopher consultants
engineering - surveying - land planning
christopher consultants, inc.
7172 columbia gateway drive suite 1001, columbia, md 21046-2990
410.872.8680 - mpls 301.881.0148 - tx 410.872.6693

LOT/PARCEL	STREET ADDRESS
2 / 418	4815 COUNTRY COURT

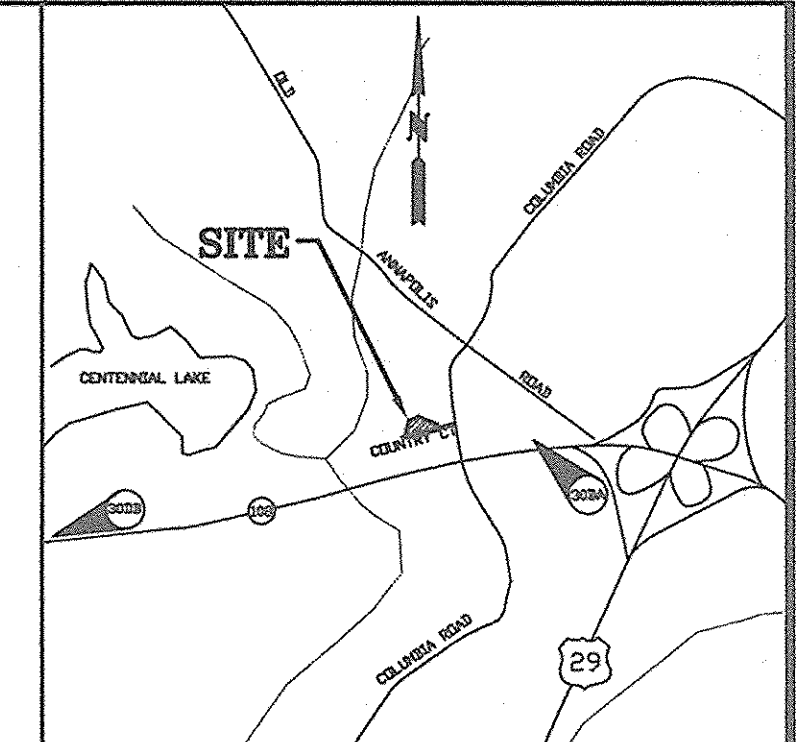
PERMIT INFORMATION CHART				
PROJECT NAME	LOT/PARCEL NO.	CENSUS TRACT		
JASON SUBDIVISION LOT 2, COUNTRY COURT	LOT 2 / PARCEL 418	602306		
PLAT NO.	GRID NO.	ZONE	TAX MAP	ELECTION DISTRICT
10275	9	R-20	30	02
WATER CODE	SEWER CODE		PUBLIC	

COVER SHEET		
DESIGN: KH5	SCALE: 1" = 50'	PROJECT: 06D801.00
DRAWN: DAM	DATE: JANUARY 2007	1 of 8
CHECKED: ENJ	APPROVED: JMH	

MDC-546(SDP)

NOTES:

1. THERE ARE NO COUNTY REGULATED STREAMS OR STATE REGULATED WETLANDS THIS SITE.
2. NO SPECIMEN TREES ARE LOCATED ON THE SUBJECT PROPERTY.
3. THE STREAM BUFFER SHOWN PER PLAT NO. 10275
4. NO STEEP SLOPES - 25% OR GREATER EXIST ON THE SUBJECT PROPERTY.
5. SOILS INFORMATION BASED ON NATIONAL COOPERATIVE SOIL SURVEY WEB SITE.



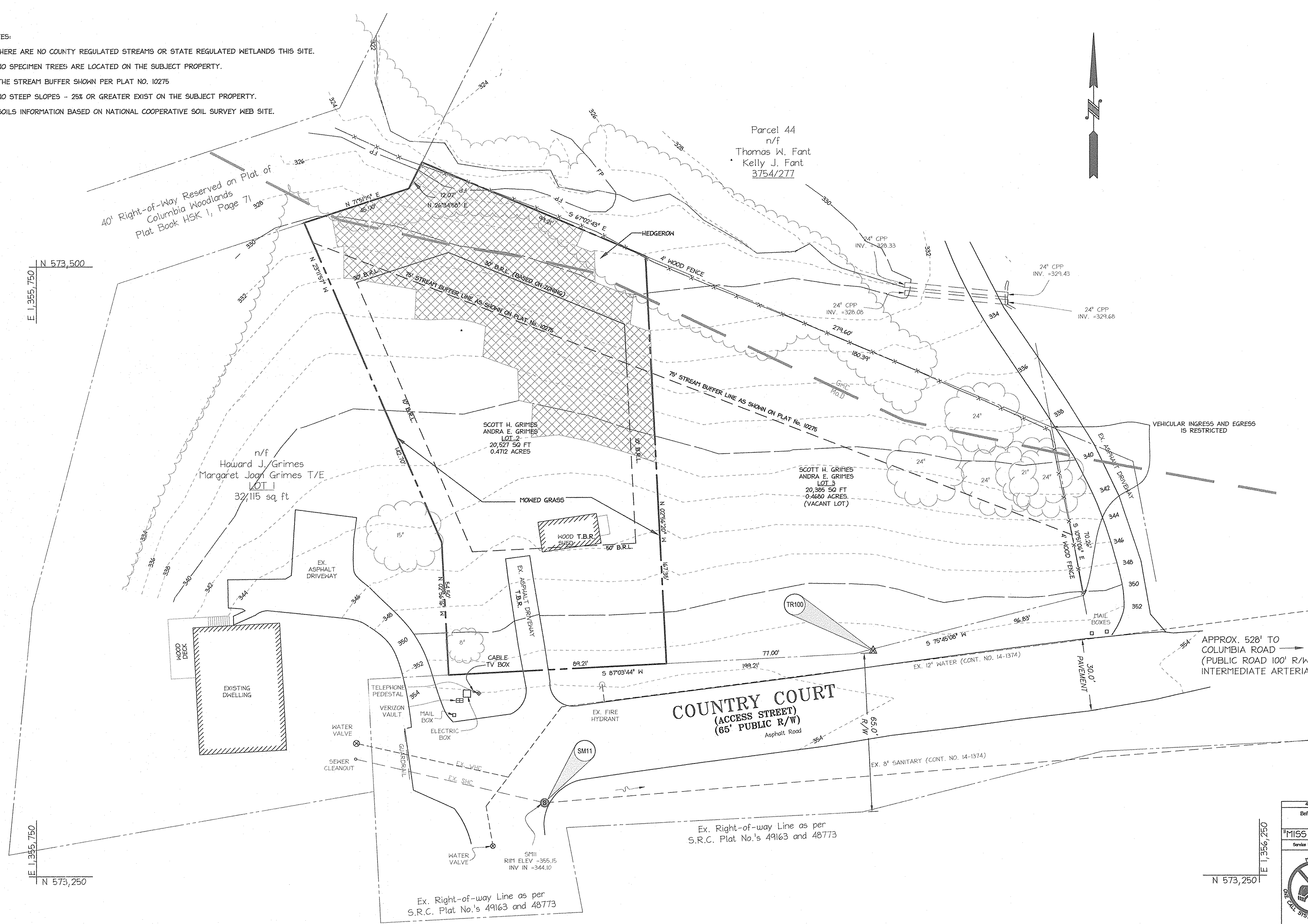
VICINITY MAP ADC#20602114
SCALE 1"=2000'

HOWARD COUNTY, MAP 15, GRID J-1
HOWARD COUNTY CONTROL STATIONS:
SURVEY BENCH MARK= 30DB
N 174436.818, E 412385.770L, ELEV.= 124.746
SURVEY GEODETIC CONTROL= 309A
N 174696.178, E 4136393789, ELEV.= 121.087

B.M.#	NORTHING	EASTING	ELEVATION	DESCRIPTION
TR100	573342.233	1356992.104	353.26	60 penny nail set
SM11	573279.996	1355957.780	355.15	Rim of Sewer Manhole No.11

LEGEND

- EXISTING CONTOURS: EX. 12" RCP
- EXISTING STORM DRAIN: EX. 8" SAN
- EXISTING SANITARY SEWER: EX. 6" WATER
- EXISTING WATER: EX. 6" WATER
- EXISTING FENCE: X X X X
- PROPERTY LINE: ————
- TREELINE: ~~~~~~
- STREAM: GmC
- SOIL LINE: GmC
- FLOODPLAIN: FP
- EXISTING TREE: [Tree Symbol]
- 15-24% SLOPES: [Hatched Pattern]
- TO BE REMOVED: T.B.R.



APPROVED: DEPARTMENT OF PLANNING AND ZONING
Andy Krametz 4/9/07
 Chief, Division of Land Development Date
Walter Williams 4/9/07
 Chief, Development Engineering Division Date
Mark L. Taylor 4/10/07
 Director, Department of Planning and Zoning Date

Date No. Revision Description
JASON SUBDIVISION, LOT 2, COUNTRY COURT SINGLE FAMILY HOME CONSTRUCTION
OWNER / DEVELOPER
 ANDRA GRIMES 4825 COUNTRY COURT
 CONTACT: ANDRA GRIMES ELLICOTT CITY, MARYLAND 21042
 TEL. (410) 992-3883 FAX (410) 990-3883

ADDRESS CHART

LOT/PARCEL	STREET ADDRESS
2 / 418	4815 COUNTRY COURT

PERMIT INFORMATION CHART

PROJECT NAME	LOT/PARCEL NO.	CENSUS TRACT
JASON SUBDIVISION LOT 2, COUNTRY COURT	LOT 2 / PARCEL 418	602306

PLAT NO.	GRID NO.	ZONE	TAX MAP	ELECTION DISTRICT
10275	9	R-20	30	02

WATER CODE	SEWER CODE
PUBLIC	PUBLIC

TITLE:
EXISTING CONDITIONS PLAN

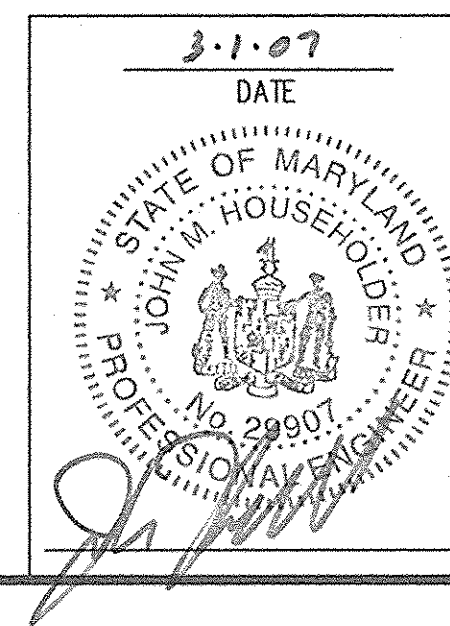
DESIGN: KMS	SCALE: 1" = 20'	PROJECT: 060801.00
DRAWN: DAM	DATE: JANUARY 2007	
CHECKED: ENJ	APPROVED: JPH	2 of 8

VEGETATIVE COMMUNITIES TABLE

COMMUNITY	DOMINANT VEGETATION	TYPICAL DIAMETER OF DOMINANT VEGETATION	MATURITY/AGE	CONDITION OF COMMUNITY
MIXED DECIDUOUS HARDWOOD HEDGERON	RED MAPLE, BLACK CHERRY	12" - 16" dbh	INTERMEDIATE	GOOD, PART OF STREAM BUFFER
MOWED GRASS	GRASS	N/A	N/A	MOWED FREQUENTLY

SOILS TABLE

SYMBOL	DESCRIPTION	ERODIBILITY	HYDRIC
GmC	GLENVILLE SILT LOAM	0.37	NO
MaD	MANOTLOAM	0.24	NO



MDC-546(SDP)

WATER QUALITY SUMMARY TABLE (0.47 ACRES)			
SIZING CRITERIA	REQUIRED VOLUME BEFORE CREDITS	REQUIRED VOLUME AFTER CREDITS	PROVIDED
WATER QUALITY VOLUME (WQV)	347 c.f.	233 c.f.	233 c.f.
RECHARGE VOLUME (REV)	90.3 c.f.	60.6 c.f.	60.6 c.f.
CHANNEL PROTECTION STORAGE VOLUME (CPV)	N/A**	N/A**	N/A**
OVERBANK FLOOD PROTECTION VOLUME (OPV)	N/A**	N/A**	N/A**
EXTREME FLOOD VOLUME (EPV)	N/A**	N/A**	N/A**

* CPV IS NOT REQUIRED FOR THIS DEVELOPMENT SINCE POST 1-YEAR PEAK DISCHARGE IS LESS THAN 2.0 cfs. FOR THE SITE.
 ** SINCE RUNOFF FLOWS INTO A NEARBY OFFSITE STREAM, AND THERE IS NO ADVERSE AFFECT ON DOWNSTREAM PROPERTIES, THESE QUANTITIES ARE NOT REQUIRED.

40' Right-of-Way Reserved on Plat of Columbia Woodlands Plat Book HSK 1, Page 71

N 573,500
 E 1,355,750

Howard J. Grimes
 n/f
 Margaret Joan Grimes T/E
 LOT 1
 32,115 sq ft

PROVIDE 5 L.F. MSHA CLASS I UNROUTED RIPRAP. WIDTH ON DOWNSTREAM END = 17'. PLACE FILTER CLOTH (SUPAC BNP OR APPROVED EQUAL) BENEATH RIPRAP. LAY RIPRAP FLUSH W/ PROPOSED GRADE. d50 = 1.3", dmax = 1.2", MIN THICKNESS = 1.0', Q10 = 0.50 CFS, V10 = 5.0 FT/S

BIORETENTION FACILITY
 6" PVC UNDERDRAIN @ 1.2%
 INV. OF UNDERDRAIN = 333.58

SCOTT H. GRIMES ANDRA E. GRIMES LOT 2
 20,527.50 FT
 0.412 ACRES
 GRAVITY SEWER SERVICE FIRST FLOOR ONLY

SCOTT H. GRIMES ANDRA E. GRIMES LOT 3
 20,385.50 FT
 0.4680 ACRES (VACANT LOT)

APPROX. 528' TO COLUMBIA ROAD (PUBLIC ROAD 100' R/W INTERMEDIATE ARTERIAL)

COUNTRY COURT (ACCESS STREET) (65' PUBLIC R/W) Asphalt Road

EXISTING DWELLING
 HOOD DECK
 EX. ASPHALT DRIVEWAY
 TELEPHONE PEDESTAL
 VERIZON VAULT
 MAIL BOX
 ELECTRIC BOX
 MEET AND MATCH EX. CURB
 WATER VALVE
 SEWER CLEANOUT
 EX. FIRE HYDRANT

Parcel 44 n/f Thomas W. Fant Kelly J. Fant 3754/277

GENERAL NOTES:
 1. MINIMUM GENERABLE ELEV. = 350.90. BASEMENT CANNOT BE SEWERED.
 2. ALL SHC'S ARE DESIGNED FOR 2% GRADE. ALL SHC'S SHALL INCLUDE STANDARD 4" CLEANOUTS.
 3. ALL WATERLINES SHALL HAVE A 1/2" BALL VALVE AT THE RIGHT-OF-WAY LINE. REFER TO HOWARD COUNTY STANDARD DETAIL H3.21 FOR MORE INFORMATION.
 4. 100 YR. FLOODPLAIN ELEV. = 327.700 PER THE RESUBDIVISION PLAT PREPARED BY VANMAR & ASSOCIATES.
 5. WHC AND SHC LOCATIONS FOR LOT 2 ARE ASSUMED AND SHOULD BE FIELD VERIFIED PRIOR TO BEGINNING ANY LAND DISTURBANCE ACTIVITY.
 6. SETBACKS ARE BASED ON PLAT HDR. NO. 10275 "RESUBDIVISION PLAT OF JASON SUBDIVISION" PREPARED BY VANMAR ASSOCIATES, JULY 3-11-07 AND APPROVED ON 3-11-07 BY THE HOWARD COUNTY OF PLANNING AND ZONING.
 7. ROOF DRAINS FROM HOUSE SHALL BE CONNECTED TO AN UNDERGROUND 4" HDPE PIPE AND DIVERTED TO THE BIORETENTION AREA. CLEANOUTS SHALL BE INSTALLED AT ALL CONNECTIONS AND BENDS. ROOFDRAINS SHALL HAVE A MINIMUM OF 1/2" OF COVER AND A MINIMUM SLOPE OF 1/8", UNLESS OTHERWISE INDICATED.
 8. IN ACCORDANCE WITH SECTION 16.07(c)(2)(iii), A BUILDING MUST BE LOCATED TO MINIMIZE INFRINGEMENT ON THE PRIVACY OF ADJOINING RESIDENTIAL PROPERTIES. THIS NEW HOUSE WILL BE LOCATED SO THAT IT IS BUFFERED FROM THE EXISTING HOMES WITH LANDSCAPED BUFFERS.
 9. A HAIVER REQUEST HAS BEEN SUBMITTED AND APPROVED ON 1-10-07 BY THE DEPARTMENT OF PUBLIC WORKS TO ALLOW A PRIVATE LOW PRESSURE SEWER SYSTEM.

VEHICULAR INGRESS AND EGRESS IS RESTRICTED

LEGEND
 EXISTING CONTOURS 4/6'
 EXISTING STORM DRAIN EX. 12" RCP
 EXISTING SANITARY SEWER EX. 8" SAN
 EXISTING WATER EX. 6" WATER
 EXISTING FENCE X
 PROPERTY LINE
 PROPOSED STORM DRAIN
 TREE LINE
 BIORETENTION AREAS
 NON ROOFTOP DISCONNECTION CREDITED AREAS
 PROPOSED SEWER PROP. 4" SHC
 PROPOSED WATER PROP. 2" WHC
 BUILDING RESTRICTION LINES
 FLOODPLAIN FP
 NON ROOFTOP DISCONNECT NRTD
 TO BE REMOVED T.B.R.
 BENCH MARKS SM11
 SOIL BORING SBH1

APPROVED: DEPARTMENT OF PLANNING AND ZONING
 Chief, Division of Land Development Date 4/9/07
 Chief, Development Engineering Division Date 4/9/07
 Director, Department of Planning and Zoning Date 4/9/07

4/4/08 1 REMOVAL OF GRAVEL EXHAUST, REVISE RIPRAP
 Date No. Revision Description

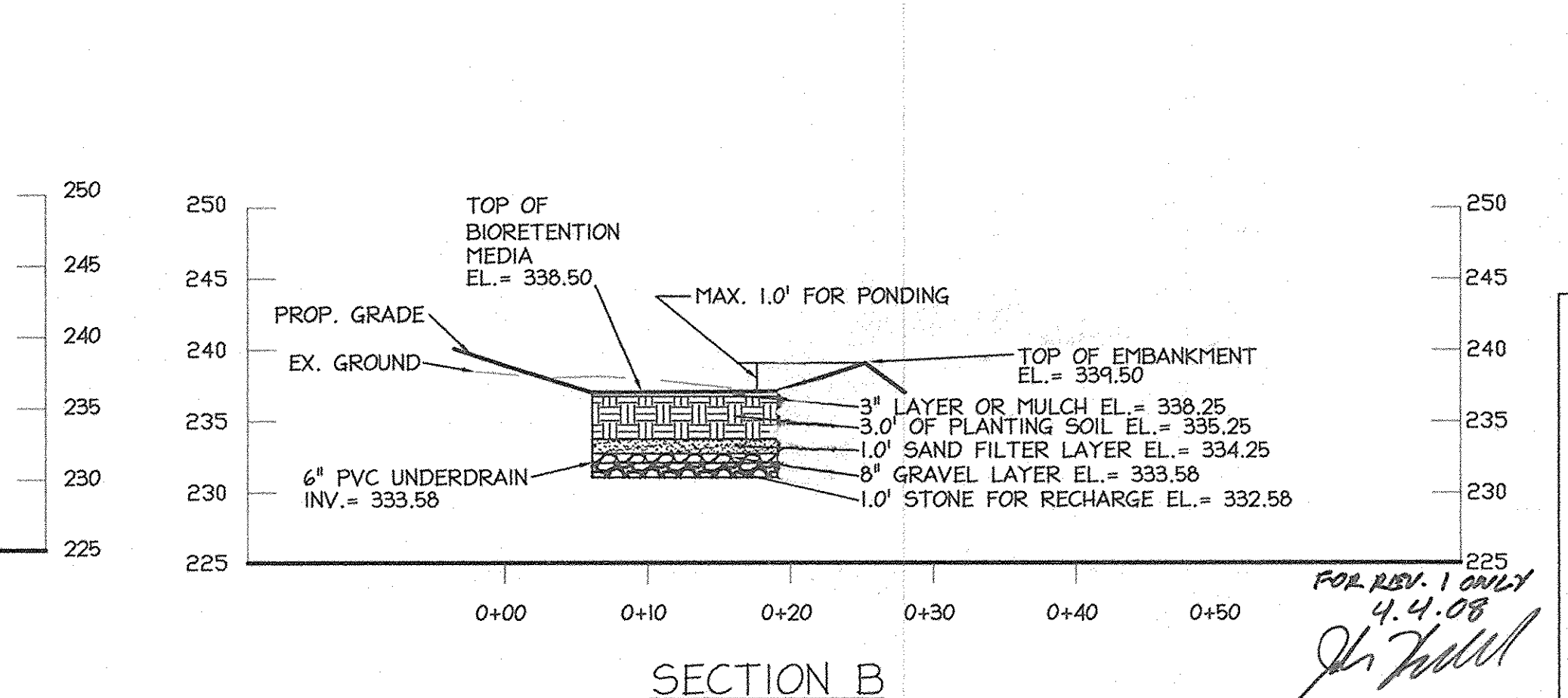
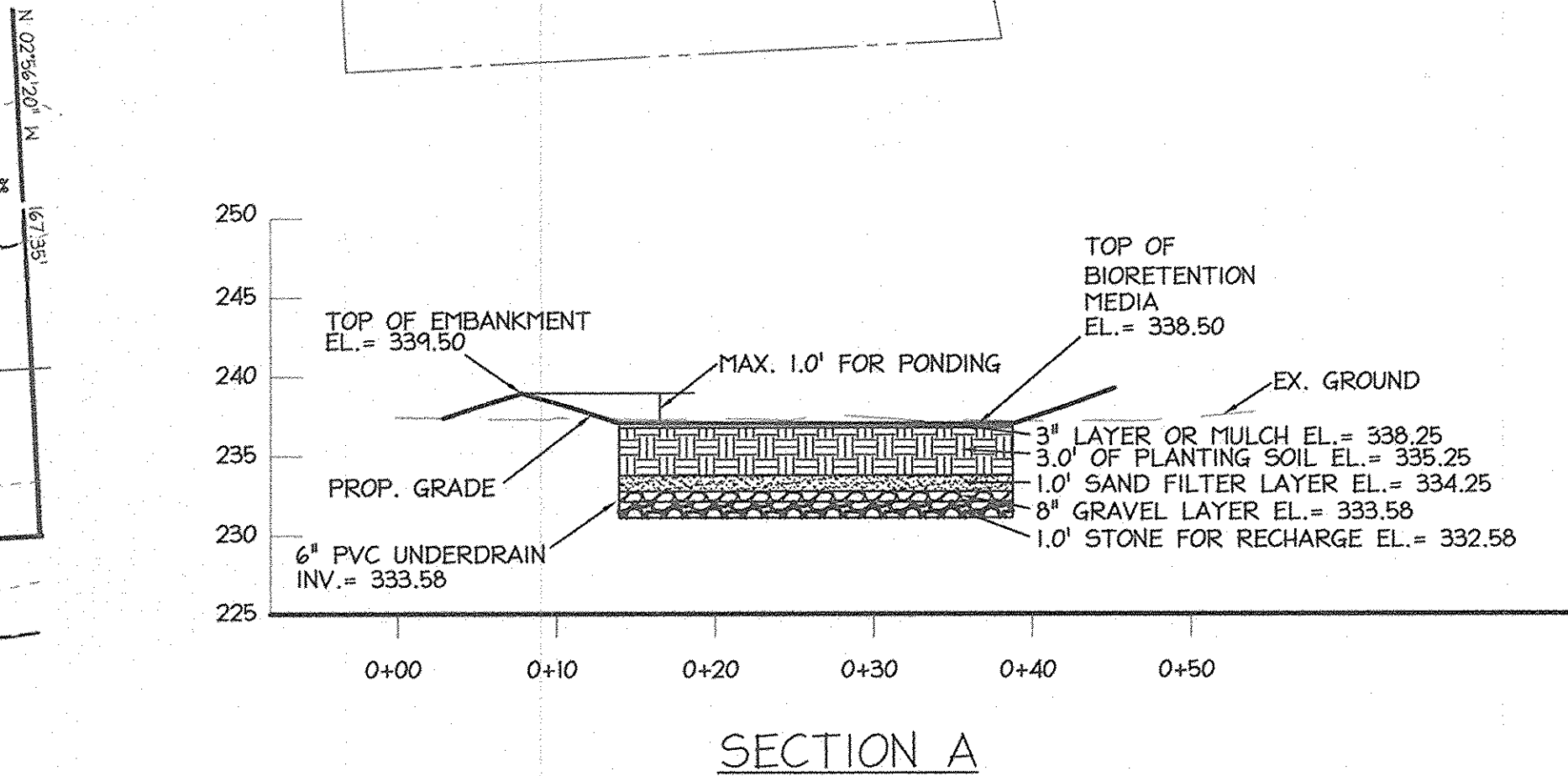
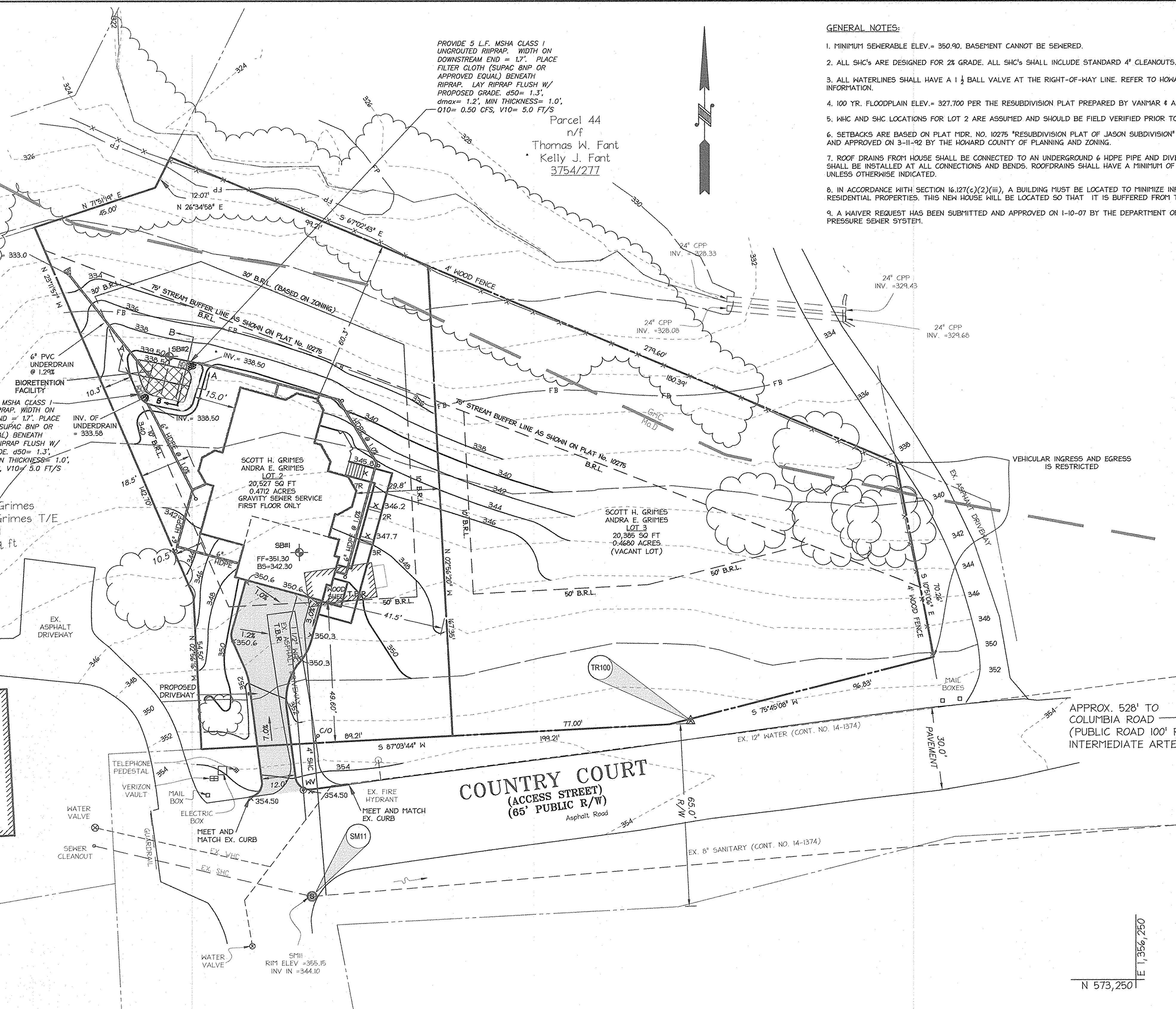
JASON SUBDIVISION, LOT 2, COUNTRY COURT SINGLE FAMILY HOME CONSTRUCTION
 OWNER / DEVELOPER
 ANDRA GRIMES 4825 COUNTRY COURT ELLICOTT CITY, MARYLAND 21042
 CONTACT: ANDRA GRIMES TEL. (410) 912-3883 FAX (915) 990-3883

christopher consultants
 engineering - surveying - land planning
 christopher consultants, ltd.
 1712 columbia gateway drive suite 100 - columbia, md. 21046-2950
 410.872.8868 - nets 301.881.0148 - fax 410.872.8868

ADDRESS CHART
 LOT/PARCEL STREET ADDRESS
 2 / 418 4815 COUNTRY COURT

PERMIT INFORMATION CHART
 PROJECT NAME LOT/PARCEL NO. CENSUS TRACT
 JASON SUBDIVISION LOT 2 / PARCEL 418 602306
 PLAT NO. GRID NO. ZONE TAX MAP ELECTION DISTRICT
 10275 9 R-20 30 02
 WATER CODE PUBLIC SEWER CODE PUBLIC

TITLE:
 SITE DEVELOPMENT AND UTILITY PLAN
 DESIGN: KWS SCALE: 1" = 20' PROJECT: 06D801.00
 DRAWN: DAM DATE: JANUARY 2007
 CHECKED: ENJ APPROVED: JPH 3 OF 8
 SDP-07-029



NON ROOFTOP DISCONNECTION AREA PLAN
 SCALE: 1" = 20'

FOR REV. 1 ONLY
 4.4.08
 J. Hall

STATE OF MARYLAND
 PROFESSIONAL ENGINEER
 No. 29907
 DATE 3.1.07

SDP-07-029

MDC-546(SDP)

P:\Projects\06D801-MDC-XXXX-MDC-546 SDP\03-SDP.dwg, Layout1, 2/28/2007 12:15:26 PM

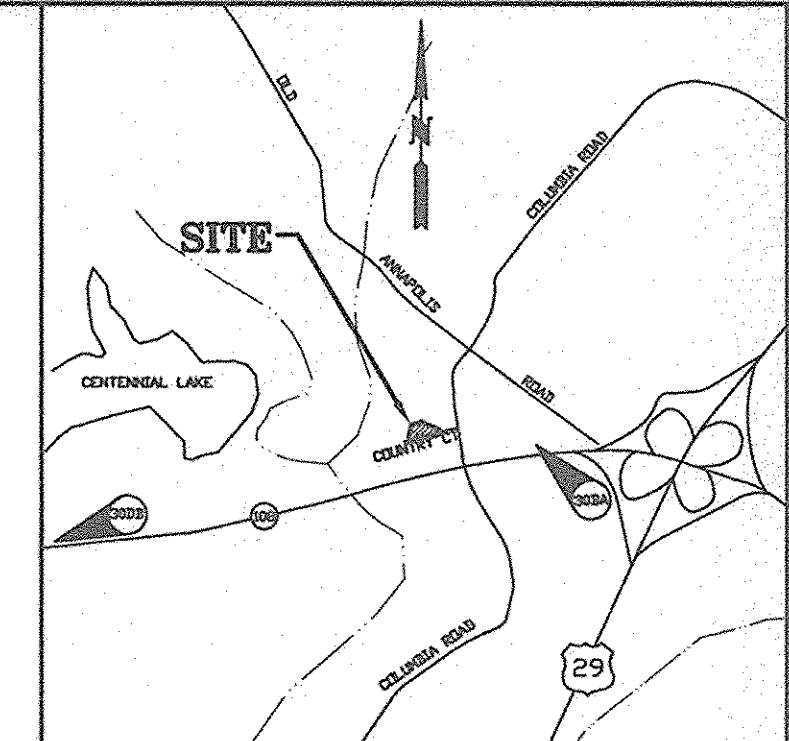
NOTE:

- LIMIT OF DISTURBANCE AND SUPER SILT FENCE SHOWN GRAPHICALLY FOR CLARITY. ACTUAL LIMIT OF DISTURBANCE AND SUPER SILT FENCE SHALL BE JUST OUTSIDE OF SEDIMENT CONTROLS AND SHALL BE LOCATED ON THE SITE WITHIN THE STREAM BUFFERS.
- ALL ATTEMPTS SHOULD BE MADE TO TREE AND PRESERVE AS MANY OF THE EXISTING LARGE TREES ON SITE AS POSSIBLE.

SEQUENCE OF CONSTRUCTION

- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS INCLUDING THE GRADING PERMIT PRIOR TO COMMENCING ANY LAND DISTURBANCE ACTIVITIES.
- AN ON-SITE PRECONSTRUCTION MEETING SHALL BE CONDUCTED WITH THE CONTRACTOR AND THE HOWARD COUNTY INSPECTOR AT LEAST 48 HOURS PRIOR TO THE START OF CONSTRUCTION. CONTACT THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS AT (410) 313-1880 TO SCHEDULE.
- CLEAR AND GRUB FOR THE INSTALLATION OF THE PERIMETER SEDIMENT CONTROL DEVICES INCLUDING SUPER SILT FENCE AND THE STABILIZED CONSTRUCTION ENTRANCE (2 DAYS)
- BEGIN ROUGH GRADING THE SITE. ALL ATTEMPTS SHALL BE MADE TO PRESERVE THE LARGE TREES ON THE LOT. (2 DAYS).
- INSTALL UNDERGROUND UTILITIES. (5 DAYS)
- CONSTRUCT THE HOUSE AND FINE GRADE THE LOT INCLUDING CONSTRUCTION OF BIORETENTION FACILITY. STABILIZED THE LOT. (90 DAYS)
- WITH THE PERMISSION OF THE SEDIMENT CONTROL INSPECTOR, REMOVE THE SUPER SILT FENCE AND STABILIZED CONSTRUCTION ENTRANCE. (1 DAY)
- INSTALL THE REMAINDER OF THE DRIVEWAY ENTRANCE (2 DAYS).
- SURFACE PAVE ALL ROADWAYS (2 DAYS).
- STABILIZE ALL REMAINING DISTURBED AREAS (3 DAYS).
- WITH THE PERMISSION OF THE SEDIMENT CONTROL INSPECTOR REMOVE ANY REMAINING SEDIMENT CONTROL DEVICES.

TOTAL CONSTRUCTION TIME: 107 DAYS



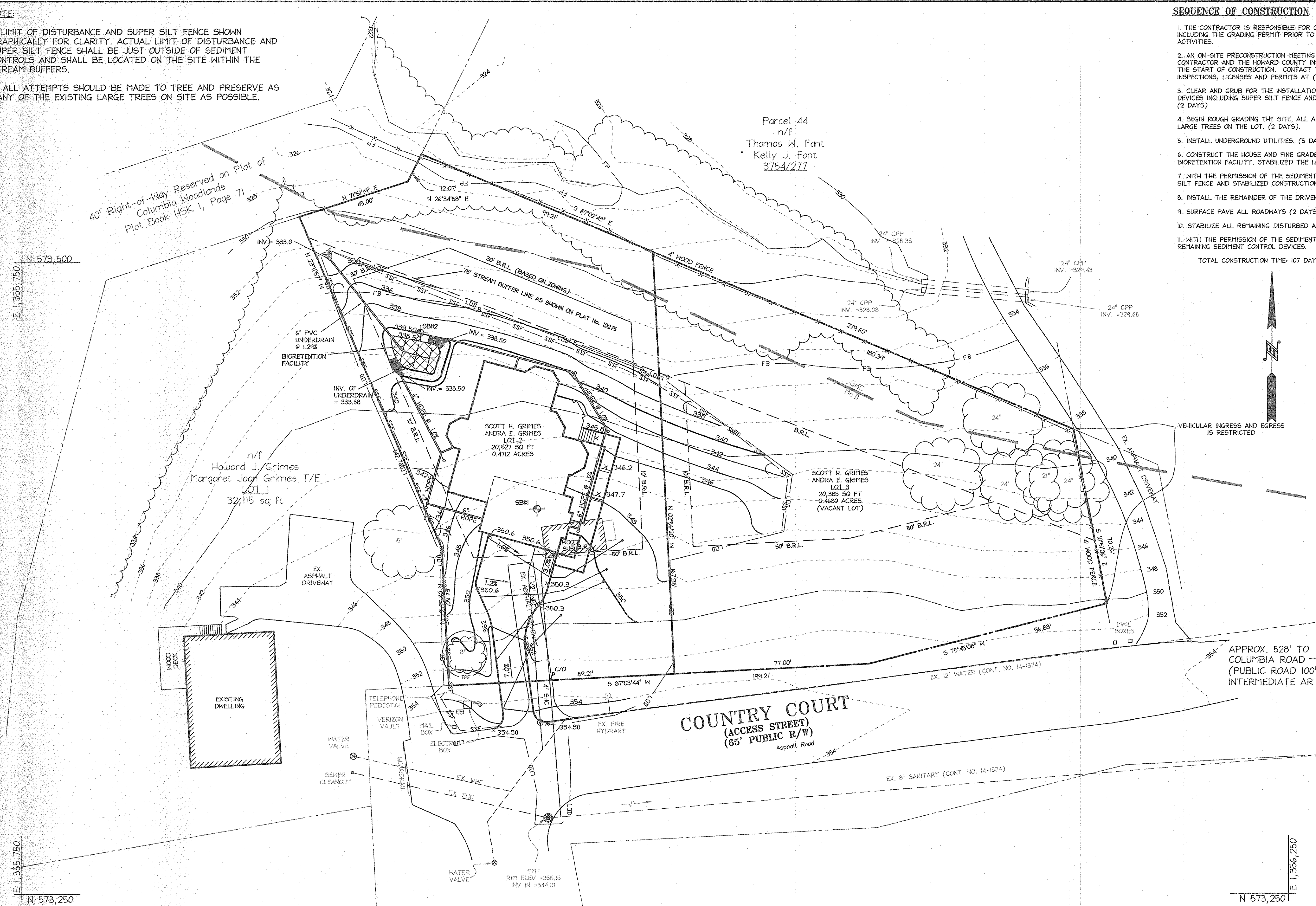
VICINITY MAP ADC#20602114
SCALE 1"=2000'

HOWARD COUNTY, MAP 15, GRID J-1
HOWARD COUNTY CONTROL STATIONS:
SURVEY BENCH MARK= 30DB
N 174436.818, E 412395.770L, ELEV.= 124.746
SURVEY GEODETIC CONTROL= 30BA
N 174696.178, E 4136393789, ELEV.= 121.067

B.M.#	NORTHING	EASTING	ELEVATION	DESCRIPTION
TR100	573342.233	1356092.104	353.26	60 penny nail set
SM11	573279.986	1356957.780	355.15	Rim of Sewer Manhole No.11

LEGEND

EXISTING CONTOURS	---	EX. 12" RCP	---
EXISTING STORM DRAIN	---	EX. 6" SAN	---
EXISTING SANITARY SEWER	---	EX. 6" WATER	---
EXISTING WATER	---		
EXISTING FENCE	X		
PROPERTY LINE	---		
TREELINE	---		
EPHEMERAL DITCH	---		
SOIL LINE	---		
LIMIT OF DISTURBANCE	---		
SUPER SILT FENCE	---		
TREE PROTECTION FENCE	---		
TO BE REMOVED	---		
STABILIZED CONSTRUCTION ENTRANCE	---		



APPROVED: DEPARTMENT OF PLANNING AND ZONING

<i>Andra Grimes</i> Chief, Division of Land Development	4/9/07
<i>John Householder</i> Chief, Development Engineering Division	4/2/07
<i>Mark DeLoyle</i> Director, Department of Planning and Zoning	4/1/07

Date	No.	Revision Description
4/9/07	1	REMOVAL OF GRAVEL DAPHRAGM, REVISE RIPRAP

**JASON SUBDIVISION,
LOT 2, COUNTRY COURT
SINGLE FAMILY HOME CONSTRUCTION**

OWNER / DEVELOPER
ANDRA GRIMES 4825 COUNTRY COURT
ELLICOTT CITY, MARYLAND 21042
CONTACT: ANDRA GRIMES TEL. (410) 992-3663 FAX (410) 992-3663

christopher consultants
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7172 COLUMBIA GATEWAY DRIVE (SUITE 100) COLUMBIA, MD 21046-2990
410.872.8890 · FAX 410.872.8891

ADDRESS CHART

LOT/PARCEL	STREET ADDRESS
2 / 418	4815 COUNTRY COURT

PERMIT INFORMATION CHART

PROJECT NAME	LOT/PARCEL NO.	CENSUS TRACT
JASON SUBDIVISION LOT 2, COUNTRY COURT	LOT 2 / PARCEL 418	602906
PLAT NO. 10275	GRID NO. 9	ZONE R-20
TAX MAP 30	ELECTION DISTRICT 02	
WATER CODE PUBLIC	SEWER CODE PUBLIC	

TITLE:
EROSION AND SEDIMENT CONTROL PLAN

DESIGN: KMS	SCALE: 1" = 20'	PROJECT: 06D801.00
DRAWN: DAM	DATE: JANUARY 2007	
CHECKED: ENJ	APPROVED: JPH	5 OF 8

DEVELOPER'S CERTIFICATE

I/We 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 periodic on-site inspection by the Howard Soil Conservation District.

Andra E. Grimes
Signature of Developer
Date: 3-23-07

Andra F. Grimes
Print name below signature

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 Howard Soil Conservation District.

John Householder
Signature of Engineer
Date: 3-1-07

JOHN HOUSEHOLDER, P.E.
Print name below signature

REVIEWED FOR HOWARD SCD AND MEETS TECHNICAL REQUIREMENTS.

Jim Meyer
Signature
Date: 4/4/07

SCD-Natural Resources, Planning & Conservation Service

This development plan is approved for soil erosion and sediment control by the HOWARD SOIL CONSERVATION DISTRICT.

John K. Johnson
Signature
Date: 4/4/07

Howard SCD

MISS UTILITY
Service Protection Center

MEMBER
ONE CALL SYSTEMS INTERNATIONAL

CALL TOLL FREE
1-800-251-7777

3-1-07
DATE

FOR REV. 1 ONLY
4.4.07
John Householder

MDC-546(SDP)

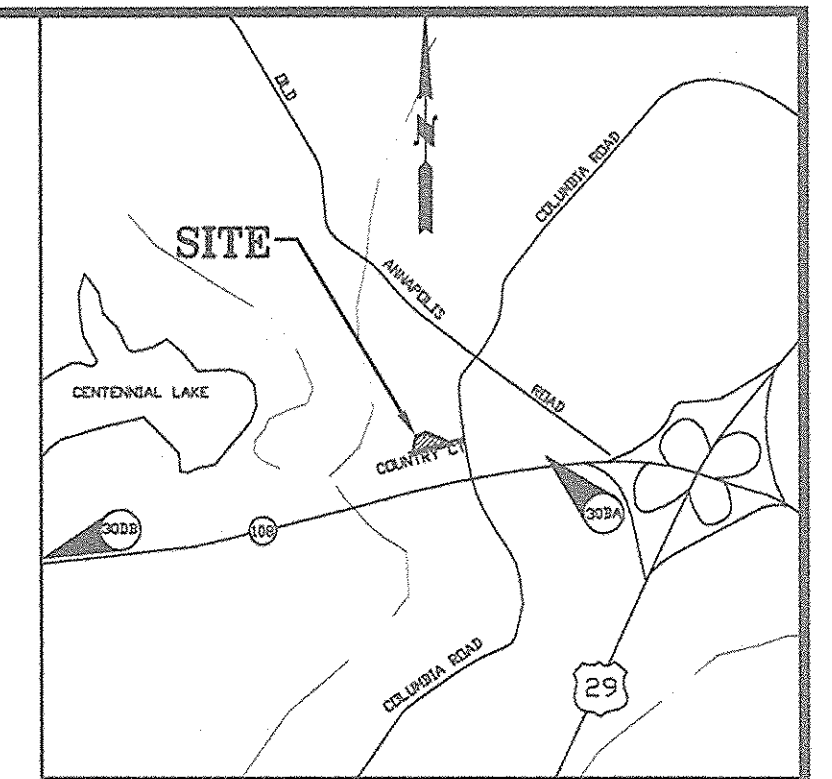
PLANT LIST

QTY.	SYMBOL	SCIENTIFIC NAME	COMMON NAME	SIZE	SPACING/COMMENTS
SHADE TREES					
2	PA	PLATANUS x ACERIFOLIA	'BLOODGOOD' LONDON PLANETREE	2 1/2" - 3" CAL.	B/B
3	AP	ACER PLATANOIDES	'CRIMSON KING' NORWAY MAPLE	2 1/2" - 3" CAL.	B/B
EVERGREEN TREES					
3	NS	PICEA ABIES	NORWAY SPRUCE	6' - 8' HT.	B/B
ORNAMENTAL TREES					
3	PY	PRUNUS YEODENSIS	YOSHINO CHERRY	8' - 10' HT.	B/B
2	CK	CORNUS KOUSA	KOUSA DOGWOOD	8' - 10' HT.	B/B

**SCHEDULE A
PERIMETER LANDSCAPE EDGE**

CATEGORY	ADJACENT TO PERIMETER PROPERTIES			TOTAL
	P 1	P 2	P 3	
PERIMETER				
LANDSCAPE TYPE 'A' L.F. OF PER.	197 LF.	156 LF.	167 LF.	
CREDIT FOR EX. VEG. BELOW IF NEEDED	N/A	N/A	N/A	
PERM. L.F. OF PERIMETER (PERIMETER- CREDIT)	N/A	N/A	N/A	
NO. OF PLANTS REQ.				
SHADE TREES	3	3	3	9
EVG. TREES	0	0	0	0
SHRUBS	0	0	0	0
NO. OF PLANTS PROV.				
SHADE TREES	3	1*	1*	5
EVG. TREES	0	2	1	3
OTHER TREES	0	2	3	5
SHRUBS	0	0	0	0

* NOTE:
P2 - 2 ORNAMENTAL TREES AND 2 EVERGREEN TREES SUBSTITUTED FOR 2 SHADE TREES
P3 - 3 ORNAMENTAL TREES AND 1 EVERGREEN TREE SUBSTITUTED FOR 2 SHADE TREES



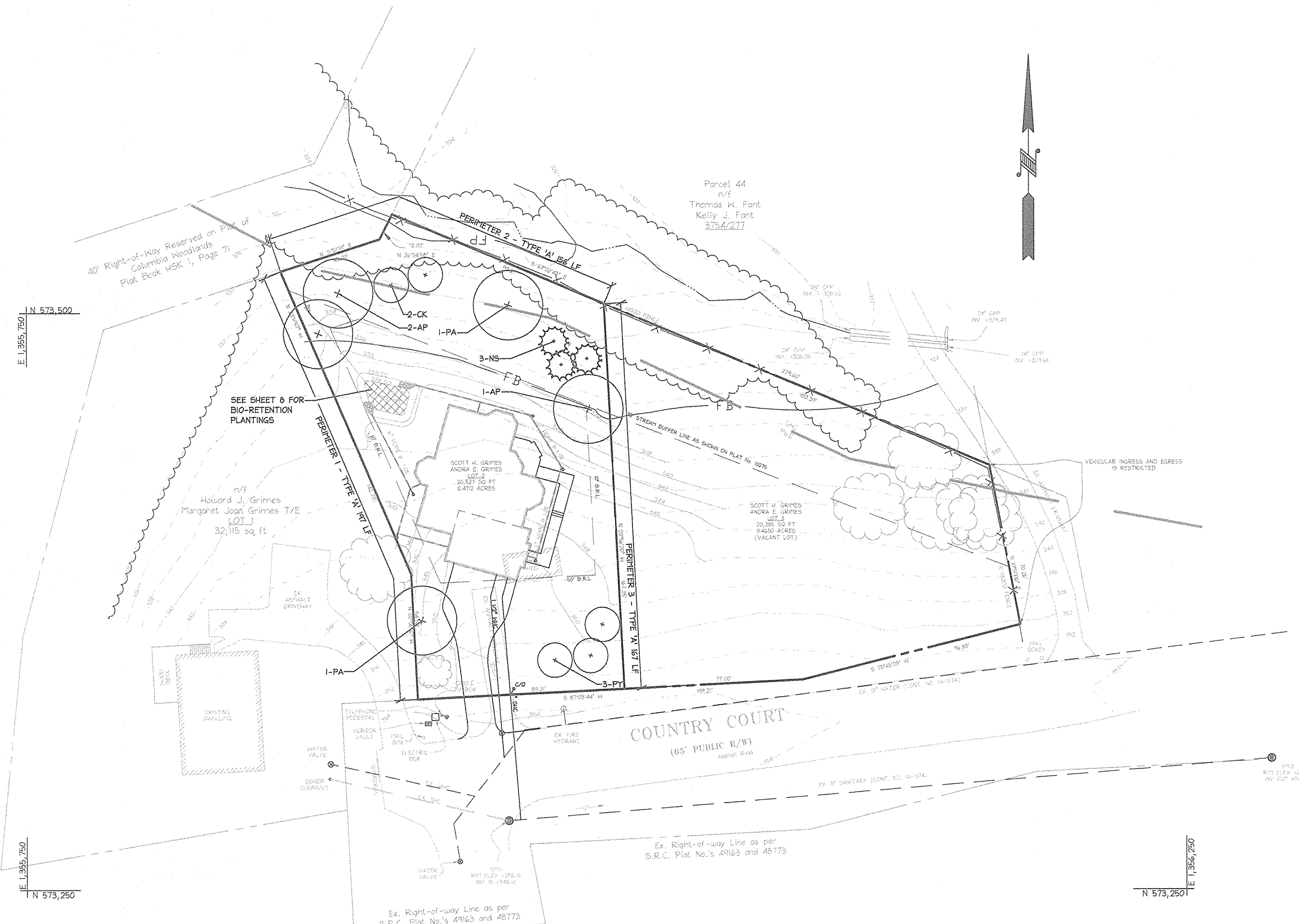
VICINITY MAP ADC#20602114

SCALE 1"=2000'
HOWARD COUNTY, MAP 15, GRID J-1
HOWARD COUNTY CONTROL STATIONS:
SURVEY BENCHMARK - 3112
GEOBENCH CONTROL - 3109

B/M	NORTHING	EASTING	ELEVATION	DESCRIPTION
TR100	573342.233	1355892.104	353.26	60 penny nail set
SM11	573279.888	1355897.780	355.15	Rim of Sewer Manhole No.11

LEGEND

- EXISTING CONTOURS
- EXISTING STORM DRAIN
- EXISTING SANITARY SEWER
- EXISTING WATER
- EXISTING FENCE
- PROPERTY LINE
- PROPOSED STORM DRAIN
- TREELINE
- BIORETENTION AREAS
- PROPOSED SEWER
- PROPOSED WATER
- BUILDING RESTRICTION LINES
- PROPOSED SHADE TREE
- PROPOSED ORNAMENTAL TREE
- PROPOSED EVERGREEN TREE



APPROVED: DEPARTMENT OF PLANNING AND ZONING
Cheryl Harvath 4/9/07
 Chief, Department of Planning and Development Date
John Dammann 4/9/07
 Chief, Development Engineering Division Date
Mark S. Smith 4/10/07
 Director, Department of Planning and Zoning Date

Date No. Revision Description
**JASON SUBDIVISION,
 LOT 2, COUNTRY COURT
 SINGLE FAMILY HOME CONSTRUCTION**
OWNER / DEVELOPER
 ANDRA GRIMES 4825 COUNTRY COURT
 CONTACT: ANDRA GRIMES ELLICOTT CITY, MARYLAND 21042
 TEL: (410) 992-3865 FAX: (410) 992-3863

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 410.872.8500 · metro 301.881.0148 · fax 410.872.8595

ADDRESS CHART

LOT/PARCEL	STREET ADDRESS
2 / 418	4815 COUNTRY COURT

PERMIT INFORMATION CHART

PROJECT NAME	LOT/PARCEL NO.	CENSUS TRACT		
JASON SUBDIVISION LOT 2, COUNTRY COURT	LOT 2 / PARCEL 418	602206		
PLAT NO.	GRID NO.	ZONE	TAX MAP	ELECTION DISTRICT
10275	9	R-20	30	02
WATER CODE	PUBLIC	SEWER CODE	PUBLIC	

TITLE:
LANDSCAPE PLAN

DESIGN	LNG	SCALE:	1" = 30'	PROJECT:	06D801.00
DRAWN:	DAM	DATE:	FEBRUARY 2007		
CHECKED:	BKC	APPROVED:			

7 of 8

48 Hours
 Before You Dig
 Call
MISS UTILITY
 Service Protection Center

 CALL TOLL FREE
 1-800-251-7177

2.28.07
 DATE

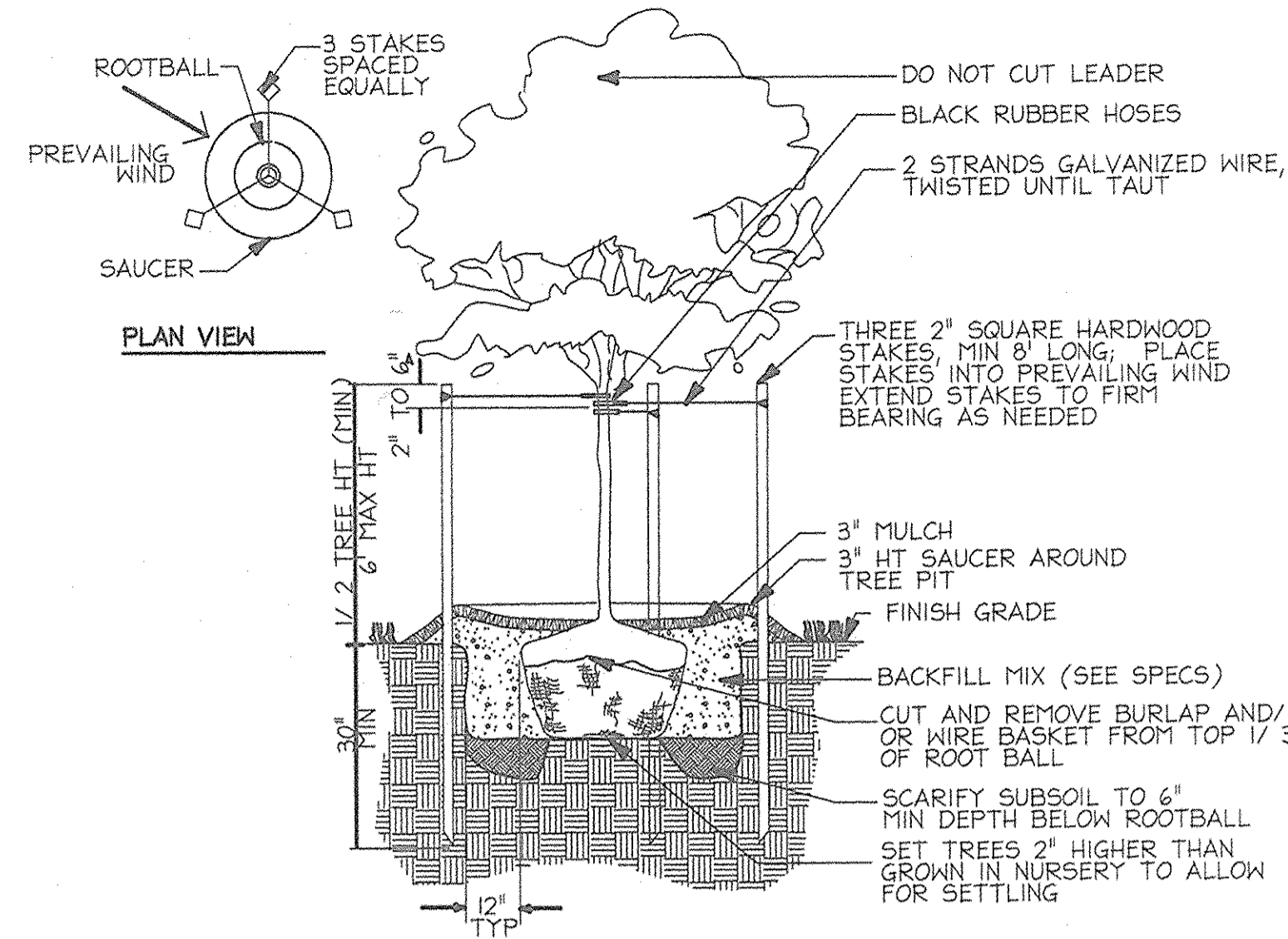
Bruce A. Collie

MDC-546 (SDP)

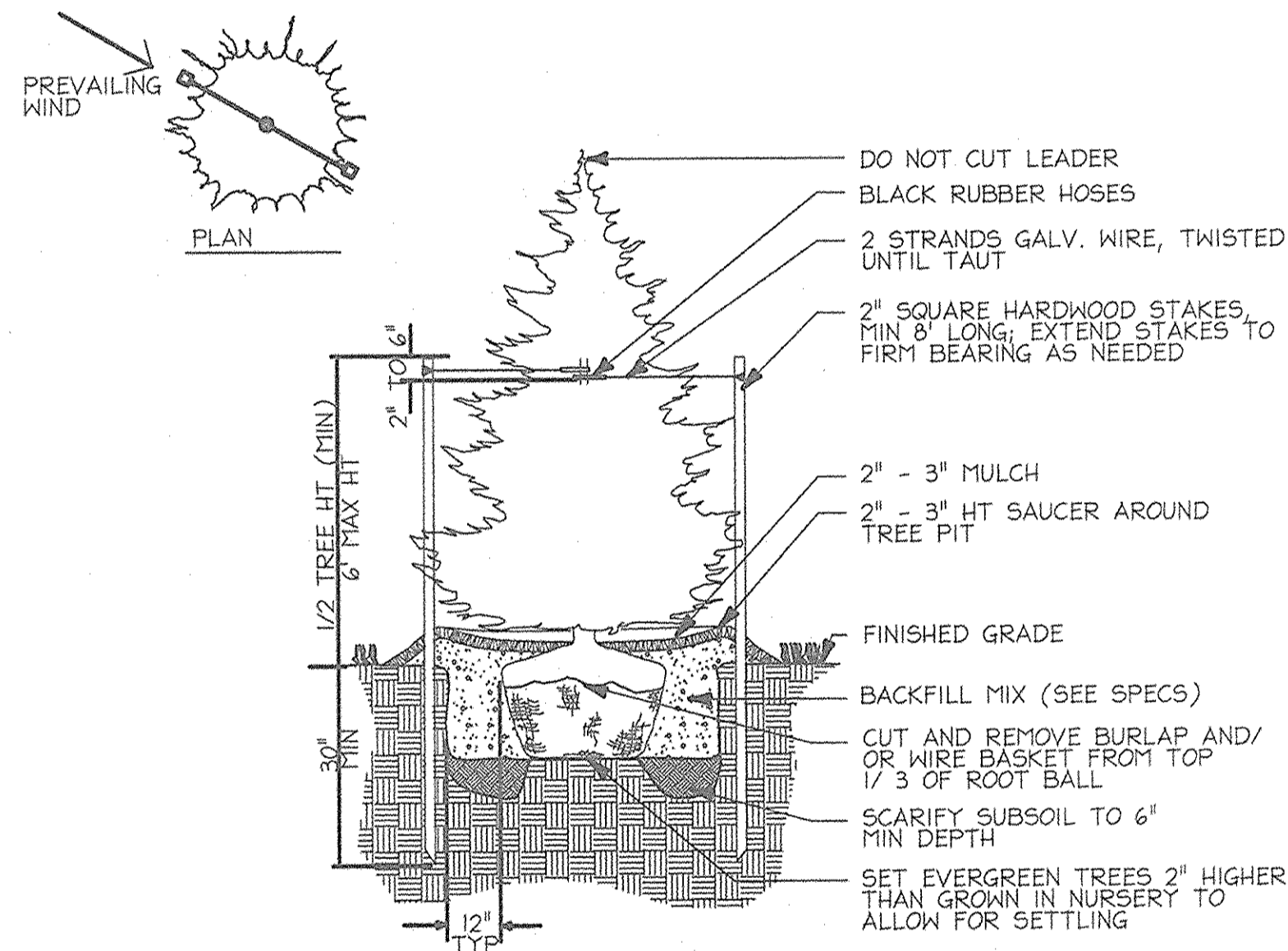
GENERAL PLANTING NOTES

- ALL PLANT MATERIAL TO MEET A.A.N. STANDARDS
- LANDSCAPING CONTRACTOR TO FOLLOW LANDSCAPE SPECIFICATION GUIDELINES FOR BALTIMORE- WASHINGTON METRO AREA APPROVED BY LCAPM.
- NO SUBSTITUTIONS TO BE MADE WITHOUT CONSENT OF LANDSCAPE ARCHITECT OR OWNER.
- IN THE EVENT OF VARIATION BETWEEN QUANTITIES SHOWN ON THE PLANT LIST AND THE PLANS, THE PLANS SHALL CONTROL. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL PLANT QUANTITIES PRIOR TO THE COMMENCEMENT OF WORK. SOD QUANTITY TAKE-OFFS ARE THE RESPONSIBILITY OF THE CONTRACTOR. ALL DISCREPANCIES SHALL BE REPORTED TO THE LANDSCAPE ARCHITECT FOR CLARIFICATION PRIOR TO BIDDING. THE CONTRACTOR SHALL FURNISH PLANT MATERIAL IN SIZES AS SPECIFIED IN THE PLANT LIST.
- ALL BEDS TO BE TOPPED WITH THREE INCHES OF HARDWOOD MULCH.
- LANDSCAPE CONTRACTOR TO VERIFY LOCATION OF UTILITIES WITH OWNERS BEFORE PLANTING.
- LANDSCAPE ARCHITECT/OWNER SHALL SELECT, VERIFY AND/OR APPROVE ALL PLANT MATERIAL. AT OWNER'S DISCRETION, SPECIMEN AND OTHER PLANT MATERIAL WILL BE SELECTED.
- LANDSCAPE CONTRACTOR SHALL COORDINATE PLANT BED FILLING OPERATIONS AND PLANT MATERIAL INSTALLATION WITH GENERAL CONTRACTOR AND UTILITIES CONTRACTOR. AT THE TIME OF FINAL INSPECTION WITH ACCEPTANCE, ALL ELECTRIC, WATER, DRAINAGE, AND FOUNTAIN UTILITIES, AS WELL AS ALL PLANT MATERIALS, SHALL REMAIN UNDAMAGED. LIKEWISE, LANDSCAPE CONTRACTOR AND UTILITIES CONTRACTOR SHALL COORDINATE EFFORTS TO ENSURE THAT SURFACE UTILITIES ARE AT THE PROPER ELEVATION RELATIVE TO FINAL GRADES.
- CONTRACTOR SHALL NOTIFY MISS UTILITY 72 HOURS PRIOR TO CONSTRUCTION.
- THE OWNER, TENANT, AND/OR THEIR AGENTS SHALL BE RESPONSIBLE FOR MAINTENANCE OF THE REQUIRED LANDSCAPING, INCLUDING BOTH PLANT MATERIALS AND BERRMS, 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.
- TOPSOIL MIX
 - Planting mix shall be prepared at approved on-site staging area using approved on-site existing soil. The minimum quantities of 20 cubic yards or sufficient mix for entire job if less than 20 cubic yards is required.
 - Thoroughly mixed in the following proportions for tree and shrub planting mix:
 - 5 cy existing soil
 - 2 cy sharp sand
 - 3 cy wood residuals
 - 4.5 lbs treble superphosphate
 - 5 lbs dolomite limestone (eliminate for acid loving plants)
 - For bed planting, shrubs and groundcover spaces 24 inches or closer, incorporate the following ingredients per 20 sf and incorporate into top 8 inches of existing soils by rototilling or similar method of incorporation.
 - 2 cy sharp sand
 - 3 cy organic material
 - 4.5 lbs treble superphosphate
 - 5 lbs dolomite limestone (eliminate for acid loving plants)
- THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 16.124 OF THE H.O.C.O. CODE. FINANCIAL SURETY FOR THE REQUIRED LANDSCAPING IN THE AMOUNT OF \$2,700.00 MUST BE POSTED AS PART OF THE DEPARTMENT OF PUBLIC WORKS DEVELOPER'S AGREEMENT. (9 SHADE TREES).
- DEVELOPER'S BUILDER'S CERTIFICATE

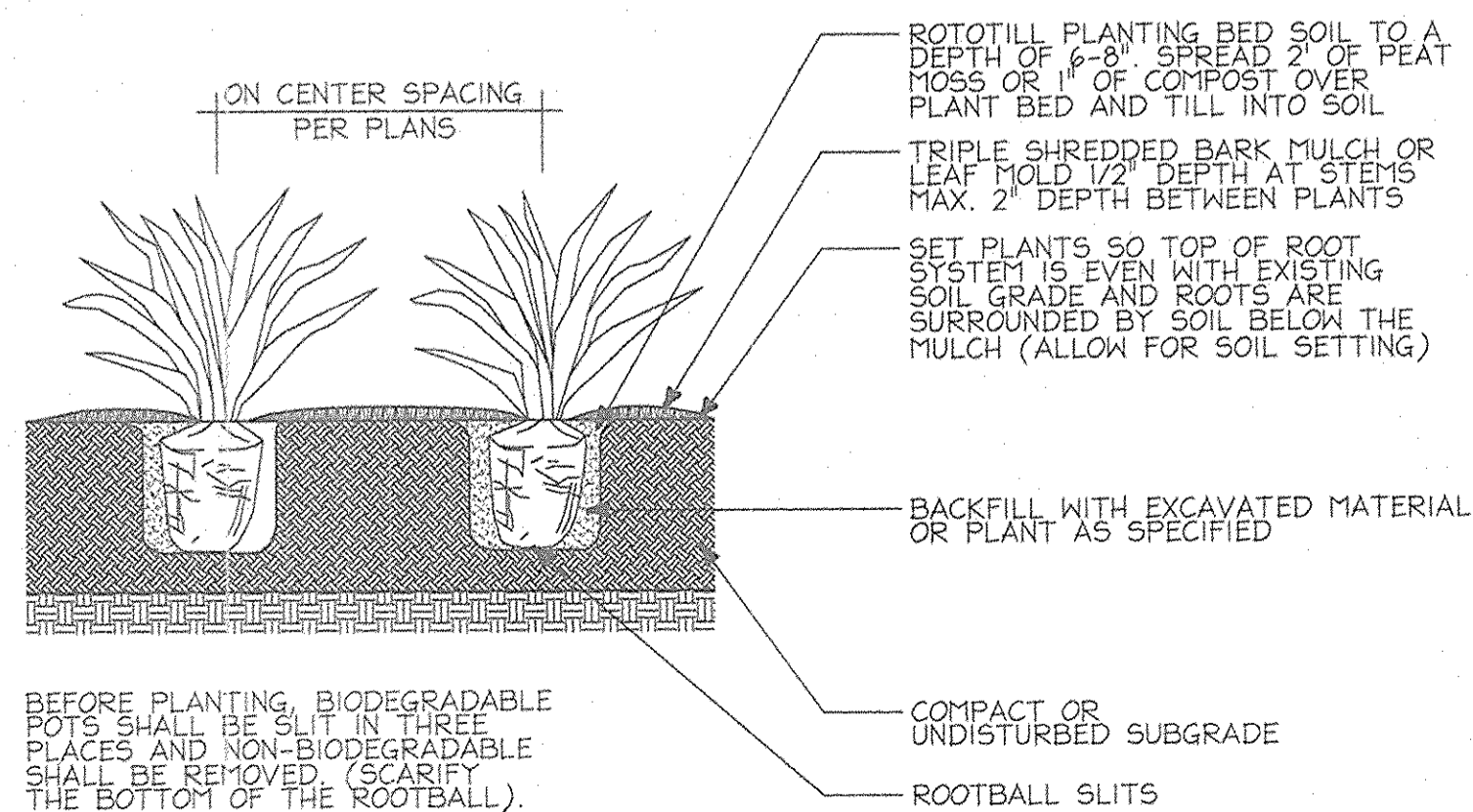
1/4E CERTIFY THAT THE LANDSCAPING SHOWN ON THIS PLAN WILL BE DONE ACCORDING TO THE PLAN, SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE HOWARD COUNTY LANDSCAPING MANUAL. 1/4E FURTHER CERTIFY THAT UPON TREES COMPLETION, A LETTER OF LANDSCAPE INSTALLATION, ACCOMPANIED BY AN EXECUTED ONE-YEAR GUARANTEE OF PLANT MATERIALS, WILL BE SUBMITTED TO THE DEPARTMENT OF PLANNING AND ZONING.



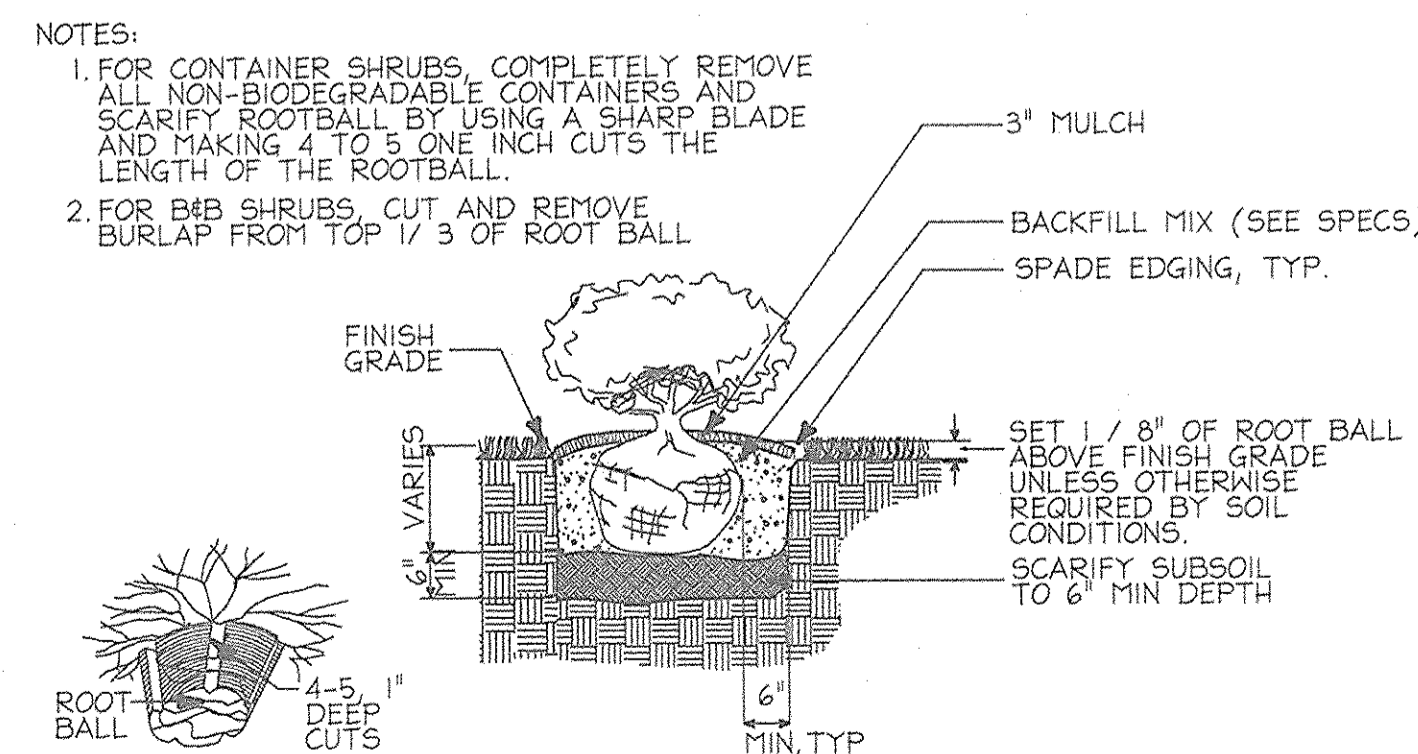
Tree Planting Detail
Not To Scale



Evergreen Tree Planting
Not To Scale



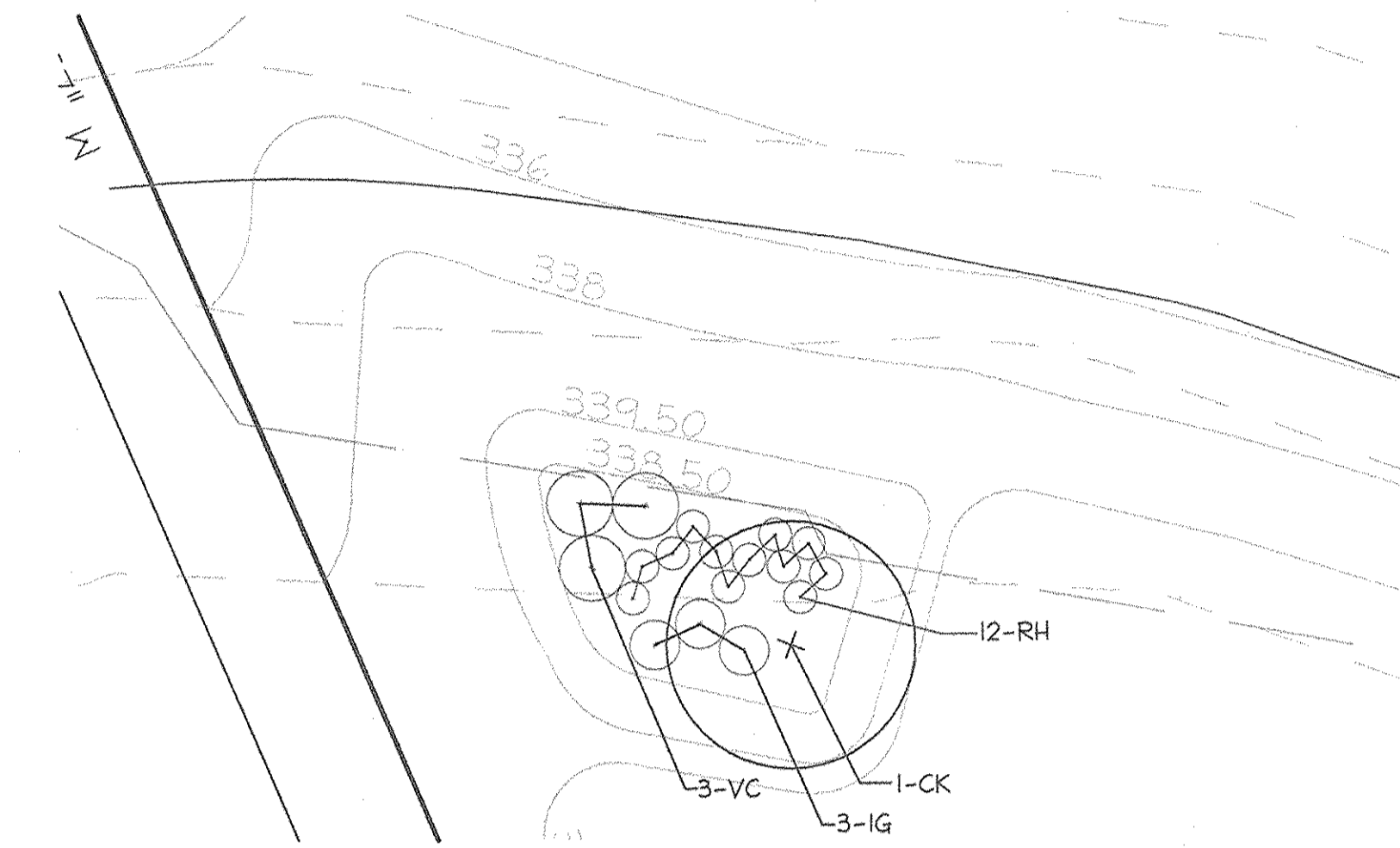
Perennial Planting Detail
Not To Scale



Shrub Bed Planting Detail
Not To Scale

BIORETENTION #1 PLANT LIST:

SYMBOL	LATIN NAME	COMMON NAME	QUANTITY	SIZE	REMARKS
CK	Cornus Kousa	Kousa Dogwood	1	10'-12' HT.	B # B
IG	Ilex Glabra	Inkberry Holly	3	3 Gal.	4' O.C.
VC	Viburnum Carlesii	Koreanopice Viburnum	3	3 Gal.	3' O.C.
RH	Rudbeckia Hirta	Black Eyed Susan	12	1 Gal.	2' O.C.
				3 Gal.	5' O.C.



Bioretention #1 Planting Detail

Scale: 1" = 10'

APPROVED: DEPARTMENT OF PLANNING AND ZONING	
<i>Cindy Hamilton</i>	4/9/07
Chief, Division of Land Development	Date
<i>Walter Williams</i>	4/11/07
Chief, Development Engineering Division	Date
<i>Frank A. Leung</i>	4/11/07
Director, Department of Planning and Zoning	Date

Date No. Revision Description

**JASON SUBDIVISION,
LOT 2, COUNTRY COURT
SINGLE FAMILY HOME CONSTRUCTION**

OWNER / DEVELOPER

ANDRA GRIMES 4825 COUNTRY COURT
ELLICOTT CITY, MARYLAND 21042
CONTACT: ANDRA GRIMES TEL. (410) 992-3863 FAX (410) 990-3863

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7172 columbia gate-way drive (suite 100) - columbia, md. 21046-2990
410.872.8990 - metro 201.681.0148 - fax 410.872.8993

ADDRESS CHART			
LOT/PARCEL	STREET ADDRESS		
2 / 418	4815 COUNTRY COURT		
PERMIT INFORMATION CHART			
PROJECT NAME	LOT/PARCEL NO.	CENSUS TRACT	
JASON SUBDIVISION	LOT 2 / PARCEL 418	602206	
LOT 2, COUNTRY COURT			
PLAT NO.	GRID NO.	ZONE	TAX MAP
10275	9	R-20	30
WATER CODE	PUBLIC	SEWER CODE	PUBLIC

2.28.07
DATE

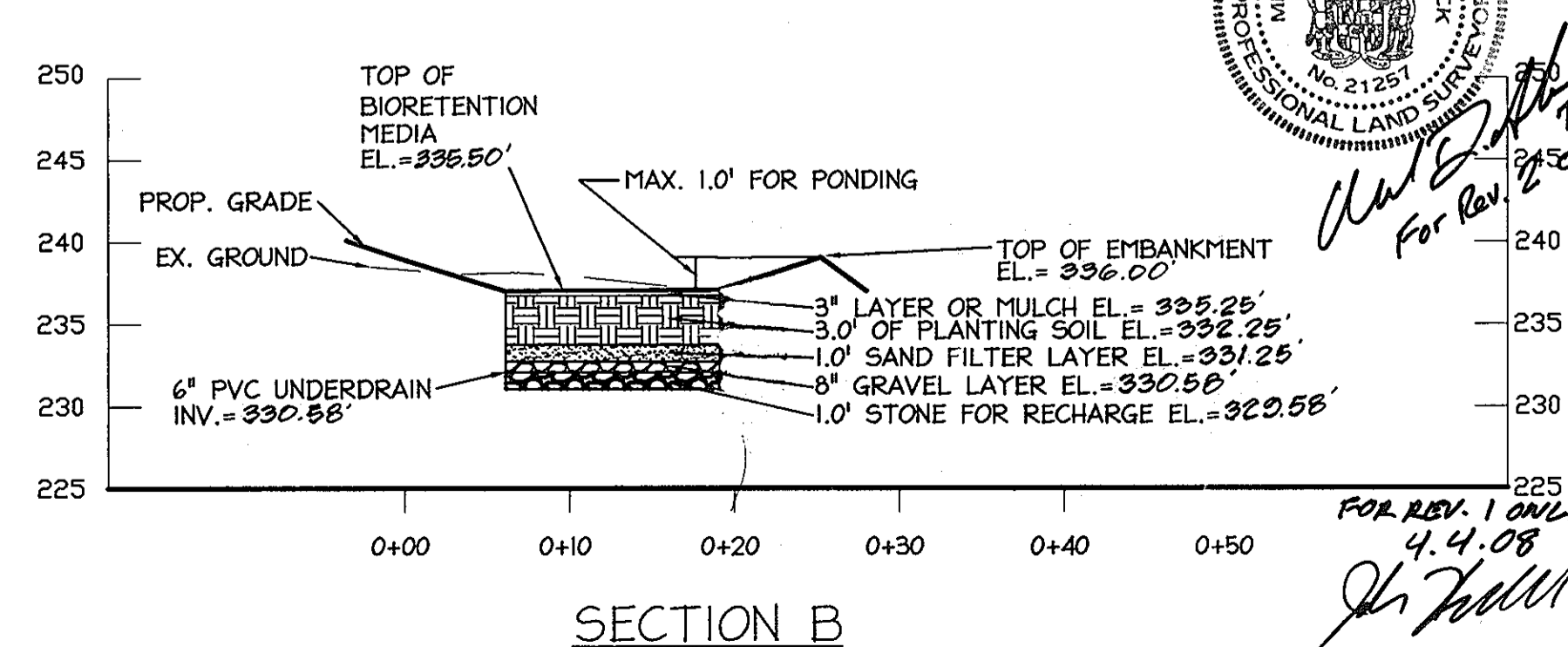
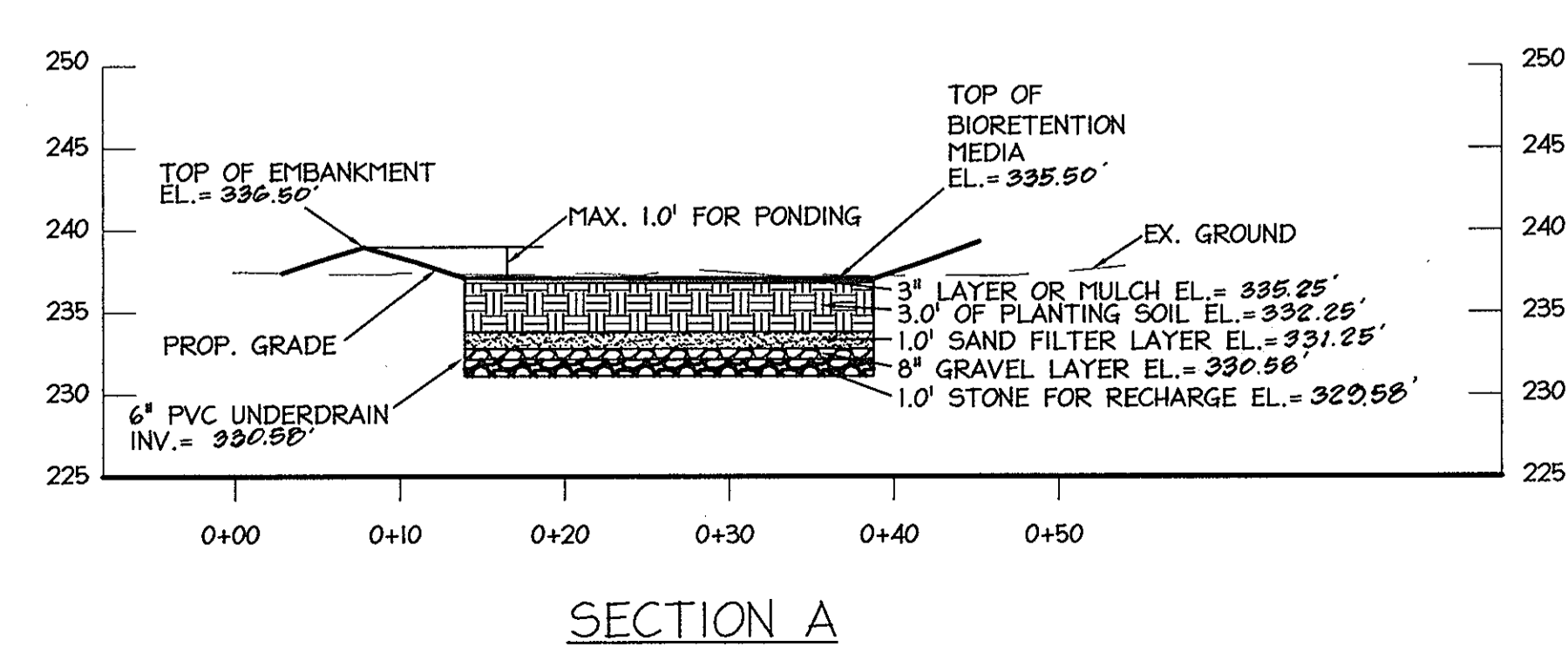
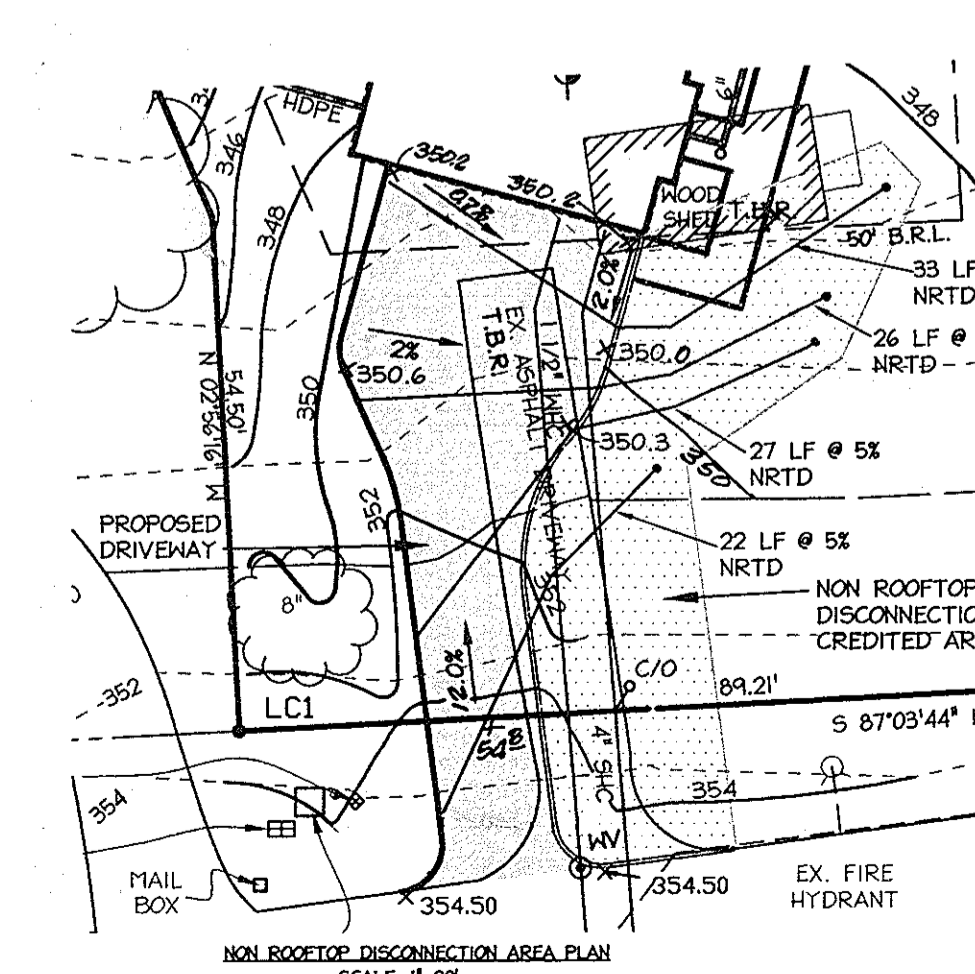
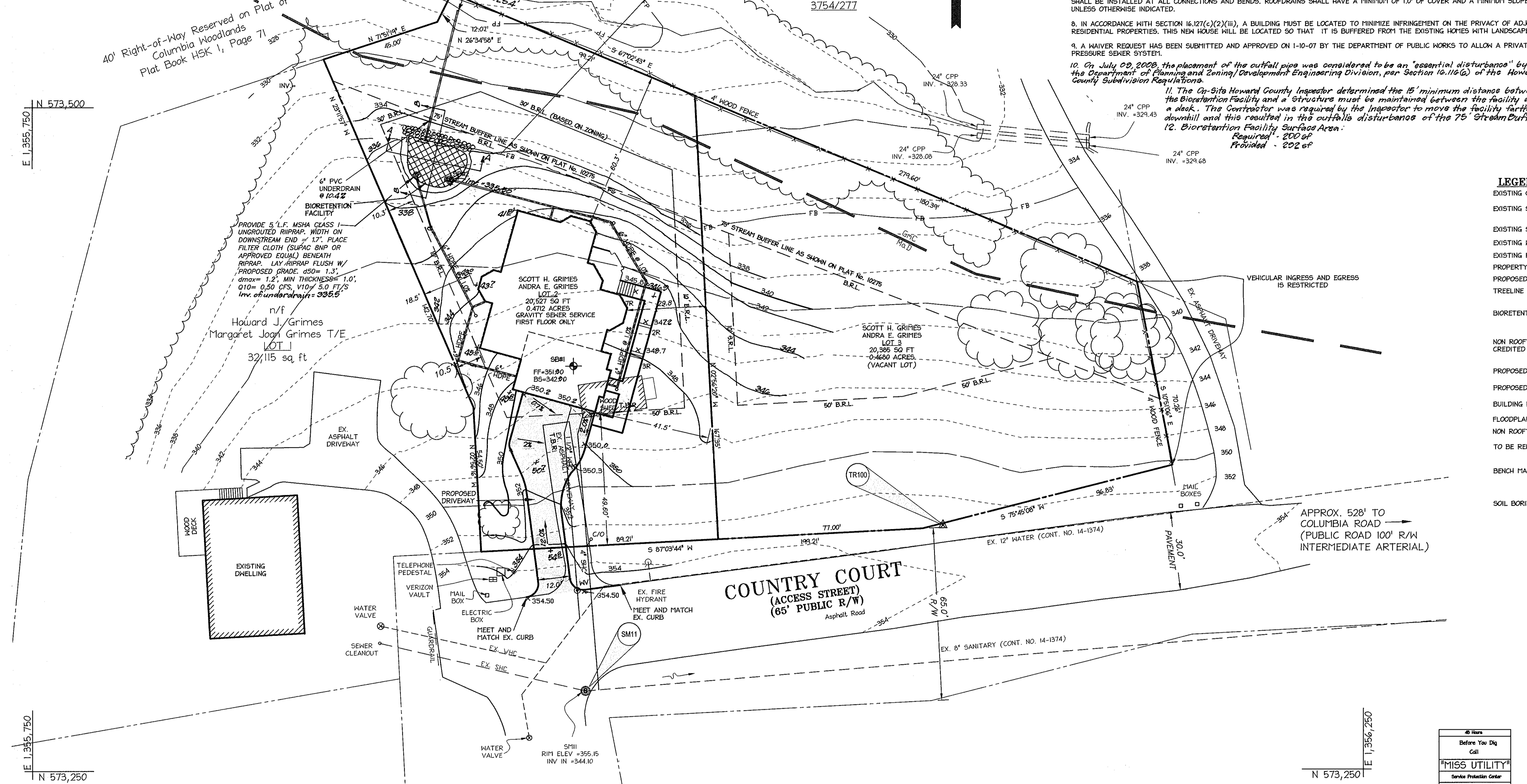
B.A. Coll.

TITLE: LANDSCAPE DETAIL SHEET		
DESIGN: LNG	SCALE: 1" = 30'	PROJECT: 06D801.00
DRAWN: DAM	DATE: FEBRUARY 2007	8 of 8
CHECKED: JPH	APPROVED:	

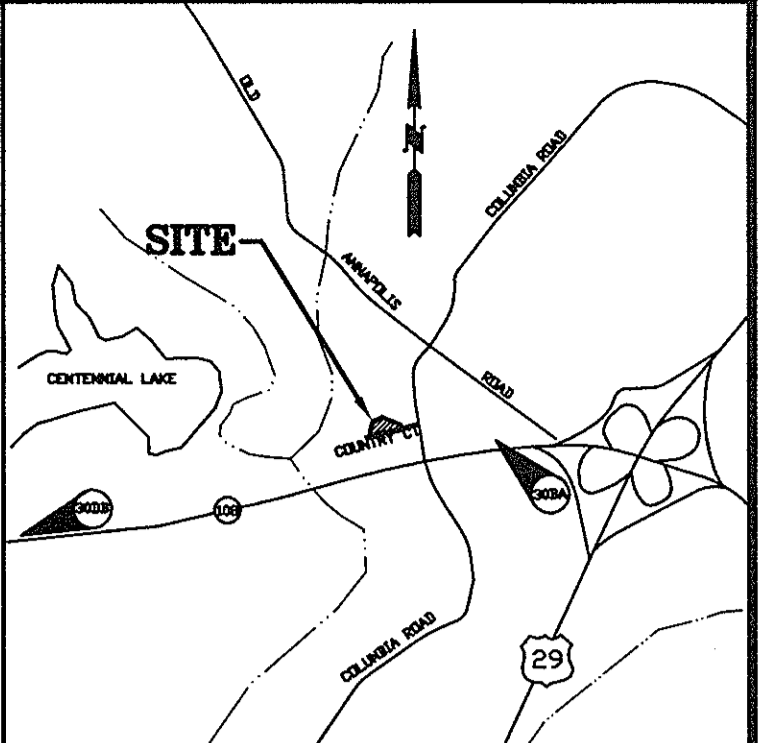
MDC-546 (SDP)

WATER QUALITY SUMMARY TABLE (0.47 ACRES)			
SIZING CRITERIA	REQUIRED VOLUME BEFORE CREDITS	REQUIRED VOLUME AFTER CREDITS	PROVIDED
WATER QUALITY VOLUME (WQV)	347 c.f.	233 c.f.	233 c.f.
RECHARGE VOLUME (REV)	90.3 c.f.	60.6 c.f.	60.6 c.f.
CHANNEL PROTECTION STORAGE VOLUME (CPV)	N/A**	N/A**	N/A**
OVERBANK FLOOD PROTECTION VOLUME (OFPO)	N/A**	N/A**	N/A**
EXTREME FLOOD VOLUME (EFPO)	N/A**	N/A**	N/A**

* CPV IS NOT REQUIRED FOR THIS DEVELOPMENT SINCE POST 1-YEAR PEAK DISCHARGE IS LESS THAN 2.0 CFS FOR THE SITE.
 ** SINCE RUNOFF FLOWS INTO A NEARBY OFFSITE STREAM, AND THERE IS NO ADVERSE EFFECT ON DOWNSTREAM PROPERTIES, THESE QUANTITIES ARE NOT REQUIRED.



- GENERAL NOTES:**
- MINIMUM GENERABLE ELEV. = 350.90. BASEMENT CANNOT BE SEWERED.
 - ALL SHC'S ARE DESIGNED FOR 2% GRADE. ALL SHC'S SHALL INCLUDE STANDARD 4\"/>



VICINITY MAP ADC#20602114
 SCALE 1"=2000'

HOWARD COUNTY, MAP 15, GRID J-1
 HOWARD COUNTY CONTROL STATIONS:
 SURVEY BENCH MARK= 30DB
 N 174436.818, E 412395.770, ELEV.= 124.746
 SURVEY GEODETIC CONTROL= 30BA
 N 174696.178, E 4136393789, ELEV.= 121.067

BENCH MARKS

B.M.	NORTHING	EASTING	ELEVATION	DESCRIPTION
TR100	573342.233	1356092.104	353.26	60 penny nail set
SM11	573279.986	1355957.780	355.15	Rim of Sewer Manhole No. 11

LEGEND

EXISTING CONTOURS	- - - - -	EX. 12" RCP	- - - - -
EXISTING STORM DRAIN	=====	EX. 8" SAN	- - - - -
EXISTING SANITARY SEWER	- - - - -	EX. 6" WATER	- - - - -
EXISTING WATER	- - - - -	EXISTING FENCE	X - - - -
EXISTING FENCE	X - - - -	PROPERTY LINE	-----
PROPOSED STORM DRAIN	=====	BIORETENTION AREAS	[Cross-hatched pattern]
TREELINE	~~~~~	NON ROOFTOP DISCONNECTION CREDITED AREAS	[Dotted pattern]
BIORETENTION AREAS	[Cross-hatched pattern]	PROPOSED SEWER	-----
NON ROOFTOP DISCONNECTION CREDITED AREAS	[Dotted pattern]	PROPOSED WATER	-----
PROPOSED SEWER	-----	BUILDING RESTRICTION LINES	-----
PROPOSED WATER	-----	FLOODPLAIN	FP
BUILDING RESTRICTION LINES	-----	NON ROOFTOP DISCONNECT	NRTD
FLOODPLAIN	FP	TO BE REMOVED	T.B.R.
NON ROOFTOP DISCONNECT	NRTD	BENCH MARKS	(SM11)
TO BE REMOVED	T.B.R.	SOIL BORING	(SB#1)

APPROVED: DEPARTMENT OF PLANNING AND ZONING

Cindy Hamilton 4/9/07
 Chief, Division of Land Development Date

Walter Williams 4/9/07
 Chief, Development Engineering Division Date

Barbara A. Leight 4/9/07
 Director, Department of Planning and Zoning Date

Date	No.	Revision Description
7/10/08	2	Revised to show As-built conditions
4/14/08	1	REMOVAL OF GRAVEL DIAPHRAGM, REVISE RIPRAP

JASON SUBDIVISION, LOT 2, COUNTRY COURT SINGLE FAMILY HOME CONSTRUCTION

OWNER / DEVELOPER

ANDRA GRIMES 4825 COUNTRY COURT
 CONTACT: ANDRA GRIMES ELLICOTT CITY, MARYLAND 21042
 TEL. (410) 942-3863 FAX (410) 940-3863

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 410.672.8800 · memo 301.581.0148 · fax 410.672.8803

ADDRESS CHART

LOT/PARCEL	STREET ADDRESS
2 / 418	4815 COUNTRY COURT

PERMIT INFORMATION CHART

PROJECT NAME	LOT/PARCEL NO.	CENSUS TRACT
JASON SUBDIVISION LOT 2, COUNTRY COURT	LOT 2 / PARCEL 418	602306
PLAT NO. 10275	GRID NO. 9	ZONE R-20
TAX MAP 30	ELECTION DISTRICT 02	
WATER CODE PUBLIC	SEWER CODE PUBLIC	

TITLE: SITE DEVELOPMENT AND UTILITY PLAN

DESIGN: KMS	SCALE: 1" = 20'	PROJECT: 06D801.00
DRAWN: DAM	DATE: JANUARY 2007	
CHECKED: ENJ	APPROVED: JPH	

MDC-546(SDP)