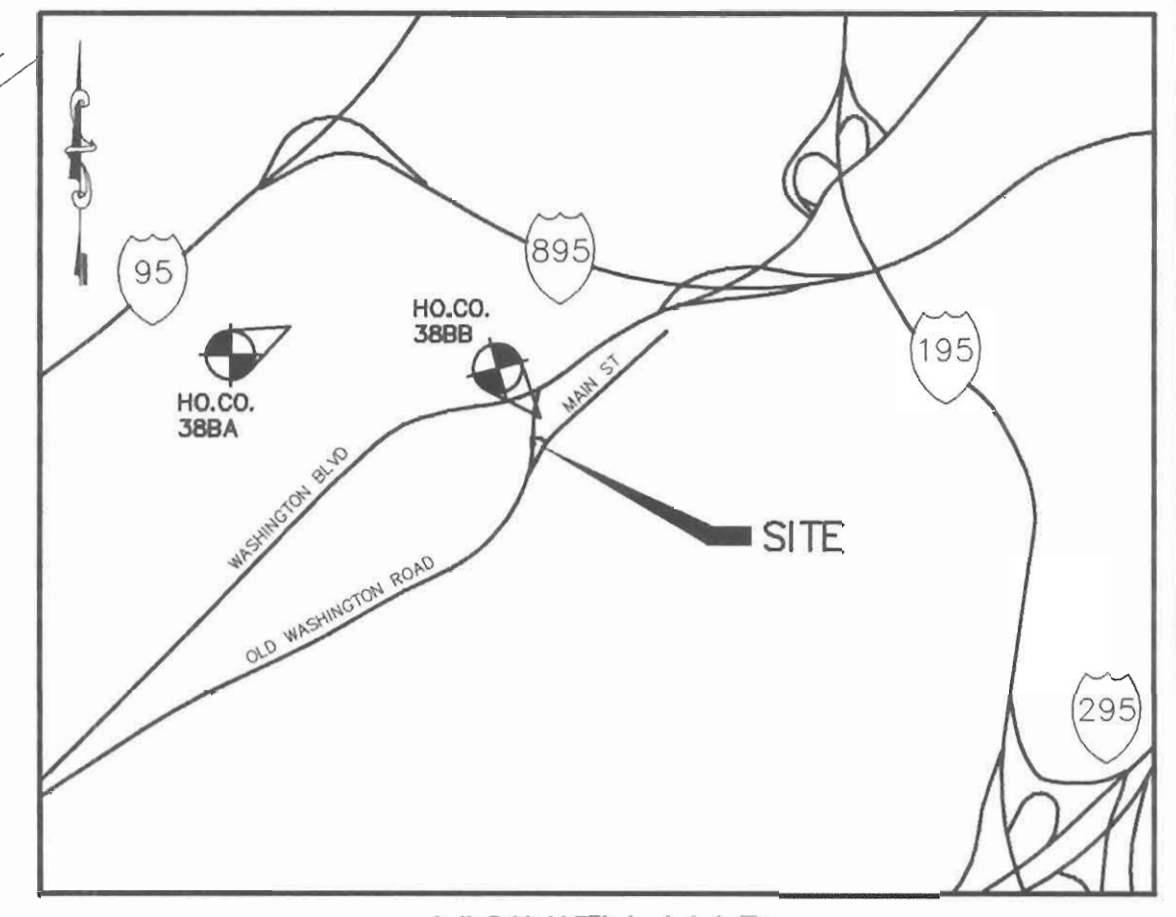
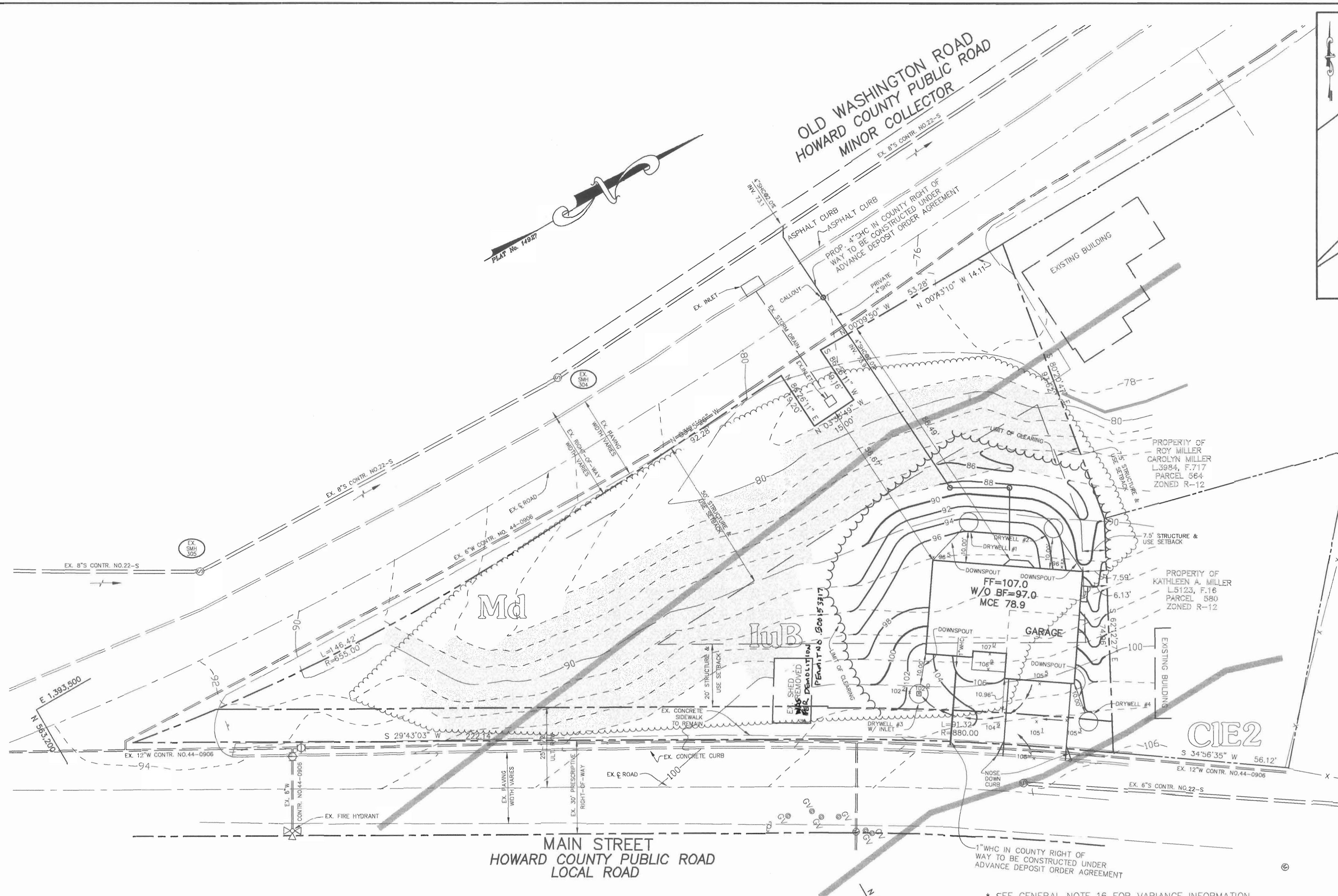


SHEET INDEX	
NO.	DESCRIPTION
1	SITE DEVELOPMENT PLAN
2	GRADING AND SEDIMENT CONTROL PLAN
3	NOTES AND DETAILS
4	LANDSCAPE PLAN

GENERAL NOTES

- THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS / BUREAU OF ENGINEERING/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 BEING DONE.
- THE EXISTING TOPOGRAPHY IS TAKEN FROM FIELD RUN SURVEY WITH MAXIMUM TWO FOOT CONTOUR INTERVALS PREPARED BY PHRA DATED JUNE 2003.
- THE COORDINATES SHOWN HEREON ARE BASED UPON THE HOWARD COUNTY GEODETIC CONTROL WHICH IS BASED UPON THE MARYLAND STATE PLANE COORDINATE SYSTEM. HOWARD COUNTY MONUMENT NOS. 388B AND 321A WERE USED FOR THIS PROJECT.
- BOUNDARY SURVEY WAS PERFORMED BY PHRA DATED JUNE 2003.
- STORMWATER MANAGEMENT FOR THIS LOT IS PROVIDED BY DRYWELLS/INFILTRATION TRENCHES LOCATED AROUND THE HOUSE, THEY ARE A PRIVATE FACILITIES TO BE MAINTAINED BY THE HOMEOWNER.
- EXISTING UTILITIES ARE BASED ON PUBLIC WATER AND PUBLIC SEWER SERVICE, GRANTED UNDER THE TERMS AND PROVISIONS OF SECTION 18.122B OF THE HOWARD COUNTY CODE, EFFECTIVE MAY 22, 2002, ON WHICH DATE DEVELOPER AGREEMENT 14-4015-D WAS FILED AND ACCEPTED. THIS HOUSE SHALL BE PROVIDED WITH GRAVITY SEWER SERVICE TO FIRST FLOOR ONLY. BASEMENT SEWER SHALL BE PROVIDED BY PRIVATE ON SITE PUMP.
- ANY DAMAGE TO THE COUNTY'S RIGHT-OF-WAY SHALL BE CORRECTED AT THE DEVELOPER'S EXPENSE.
- SHC ELEVATIONS SHOWN ARE LOCATED AT THE PROPERTY LINE.
- FOR DRIVEWAY ENTRANCE DETAILS REFER TO THE HOWARD COUNTY DESIGN MANUAL, VOLUME IV, STANDARD DETAIL R-6.03. THE DRIVEWAY SHALL BE PROVIDED PRIOR TO RESIDENT OCCUPANCY TO INSURE SAFE ACCESS FOR FIRE AND EMERGENCY VEHICLES PER THE FOLLOWING MINIMUM REQUIREMENTS:
 - WIDTH -- 12 FEET, 14' SERVING MORE THAN ONE RESIDENCE
 - SURFACE -- 6 INCHES OF COMPACTED CRUSHER RUN BASE WITH TAR AND CHIP COATING (1-1/2 INCHES MINIMUM)
 - GEOMETRY -- MAXIMUM 15% GRADE, MAXIMUM 10% GRADE CHANGE, AND MINIMUM 45-FOOT TURNING RADIUS
 - STRUCTURES (CULVERTS/BRIDGES) -- MUST SUPPORT 25 GROSS TON LOADING (H25-LOADING)
 - DRAINAGE ELEMENTS -- CAPABLE OF SAFELY PASSING 100 YEAR FLOOD EVENTS WITH NO MORE THAN 1 FOOT DEPTH OVER DRIVEWAY SURFACE.
 - STRUCTURE CLEARANCES -- MINIMUM 12 FEET
 - MAINTENANCE -- SUFFICIENT TO ENSURE ALL WEATHER USE.
- BASED ON AVAILABLE COUNTY DATA, NO HISTORIC STRUCTURES OR BURIAL GROUNDS EXIST ON SITE.
- SOILS DATA IS BASED ON HOWARD COUNTY SOIL SURVEY DATED 1968.
- NO NON-TIDAL WETLANDS EXIST ON SITE BASED ON A SITE EVALUATION BY PHRA.
- NO 100 YEAR FLOODPLAIN EXISTS ON THIS SITE.
- PROJECT BACKGROUND INFORMATION:
 SUBDIVISION NAME: CHASE ORTHNER PROPERTY
 TAX MAP: 38
 PARCEL: P/O 683
 ZONING: R-12
 ELECTION DISTRICT: 1st
 DEED REFERENCE: LIBER 6187, FOLIO 001
 GROSS AREA: 0.55 ACRES
 AREA OF STEEP SLOPES: 0.19 ACRES
 AREA OF WETLANDS: 0 ACRES
 AREA IN ROW AND ROAD: 0 ACRES
 TOTAL AREA OF DISTURBANCE: 0.21 ACRES
- BA-03-59V -- A VARIANCE TO REDUCE THE 20 FOOT SETBACK FROM A PUBLIC STREET RIGHT-OF-WAY TO 10 FEET FOR A SINGLE-FAMILY DETACHED DWELLING TO BE LOCATED IN AN R-12 (RESIDENTIAL-SINGLE) ZONING DISTRICT WAS GRANTED BY DECISION & ORDER DATED MARCH 8, 2004, SUBJECT TO THE FOLLOWING:
 - THAT THE VARIANCE WILL APPLY ONLY TO THE OTHER ACTIVITIES USES AND STRUCTURES AS DESCRIBED IN THE PETITION SUBMITTED AND NOT TO THE USES, STRUCTURES, OR ACTIVITIES ON THE PROPERTY.
- IN ACCORDANCE WITH SECTION 12B 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.
- THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE LANDSCAPE MANUAL.
- FINANCIAL SURETY FOR THE REQUIRED 1 TREE IN THE AMOUNT OF \$300.00 IS PART OF THE BUILDERS GRADING PERMIT APPLICATION FOR THIS PARCEL.
- THIS PROJECT IS EXEMPT FROM THE REQUIREMENTS OF SECTION 16.120 OF THE HOWARD COUNTY CODE FOR FOREST CONSERVATION BECAUSE LOT IS LESS THAN 40,000 S.F. IN SIZE. (SECTION 16.120(b)(1)(i) OF HOWARD CODE)
- THE SUBJECT PROPERTY IS ZONED R-12 PER THE 2-2-04 COMPREHENSIVE ZONING PLAN.
- SIGNATURE APPROVAL OF THIS PLAN IS SUBJECT TO APPROVAL BY MARYLAND AVIATION ADMINISTRATION (MAA), MAA APPROVAL LETTER RECEIVED, DATED DECEMBER 20, 2004.
- A NOISE STUDY HAS BEEN COMPLETED BY MARS GROUP, INC., DATED DECEMBER, 2004. NO 65DBA IMPACTS TO THE PROPERTY ARE EXPECTED.
- A DESIGN MANUAL WAIVER REGARDING STORMWATER MANAGEMENT IMPERVIOUS AREAS WAS APPROVED BY THE DEVELOPMENT ENGINEERING DIVISION ON NOVEMBER 5, 2004, WITH THE STIPULATION THAT NO ADDITIONAL IMPERVIOUS SURFACES, INCLUDING SWIMMING POOLS, DRIVEWAY EXPANSIONS, STRUCTURAL ADDITIONS OR SHEDS ARE PLACED ON THE SITE WITHOUT ADDITIONAL STORMWATER MANAGEMENT BEING PROVIDED.



VICINITY MAP
SCALE 1"=2000'

NOTE:
ALL DIMENSIONS ARE TO FACE OF CURB OR BUILDING UNLESS OTHERWISE NOTED.

LEGEND

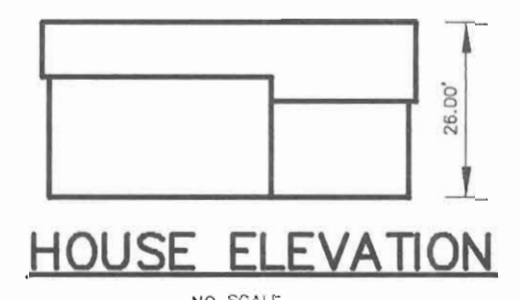
- EX. PROPERTY LINE
- EX. TREE LINE
- EX. CONTOUR LINES
- EX. SIDEWALK
- DRYWELL
- STEEP SLOPES

* THE CONTIGUOUS AREA OF STEEP SLOPES 25% OR GREATER IS LESS THAN 20,000 S.F.

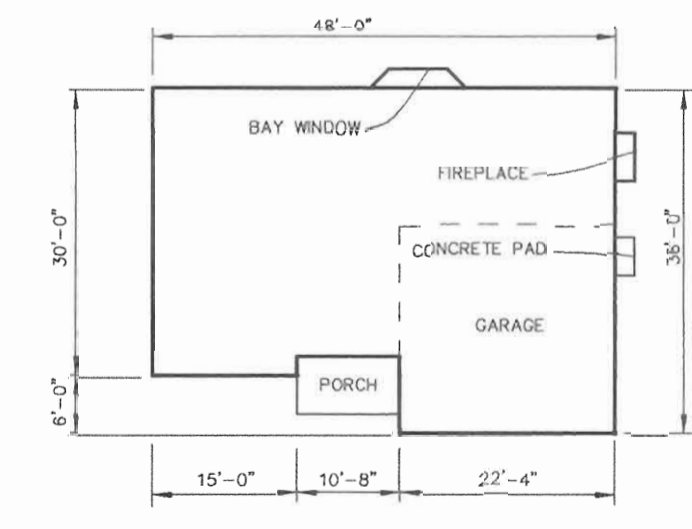
BENCH MARK

CONTROL STATION 38BA
ELEVATION 50.8846
N 562,553.278
E 1,390,967.927

CONTROL STATION 38BB
ELEVATION 19.6328
N 564,007.646
E 1,393,649.975



HOUSE ELEVATION
NO SCALE



HOUSE PLAN
NO SCALE

ADDRESS CHART

PARCEL	STREET ADDRESS
P/O 683	5929 MAIN STREET

SUBDIVISION NAME	SECT./AREA	PARCEL
CHASE ORTHNER	N/A	P/O 683
L/P: 6187/001	BLOCK # 4	ZONING: R-12
	TAX MAP NO. 38	ELECT. DIST. 1st
		SENSUS TRACT 6012
WATER CODE		SEWER CODE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

DIRECTOR: *John K. Hingle* 5/2/05 DATE

CHIEF, DEVELOPMENT ENGINEERING DIVISION: *Mr. [Signature]* 5/10/05 DATE

CHIEF, DIVISION OF LAND DEVELOPMENT: *Cindy Hammit* 5/20/05 DATE

DATE	REVISION

OWNER / DEVELOPER

CARLTON E. CHASE & HANS ORTHNER
835 COACHWAY
ANNAPOLIS, MARYLAND 21401

PROJECT: CHASE/ORTHNER PROPERTY
FIRST (WESTERN) PART

AREA: TAX MAP 38, ZONED R-12
PARCEL P/O 683, FIRST (WESTERN) PART L6187 F.001
1st ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

TITLE: SITE DEVELOPMENT PLAN

Patton Harris Rust & Associates, pc
Engineers, Surveyors, Planners, Landscape Architects.
8818 Centre Park Drive
Columbia, MD 21045
T 410.997.8900
F 410.997.9282

PHRA

DATE: 4.29.05

DESIGNED BY: C.J.R.

DRAWN BY: MAD

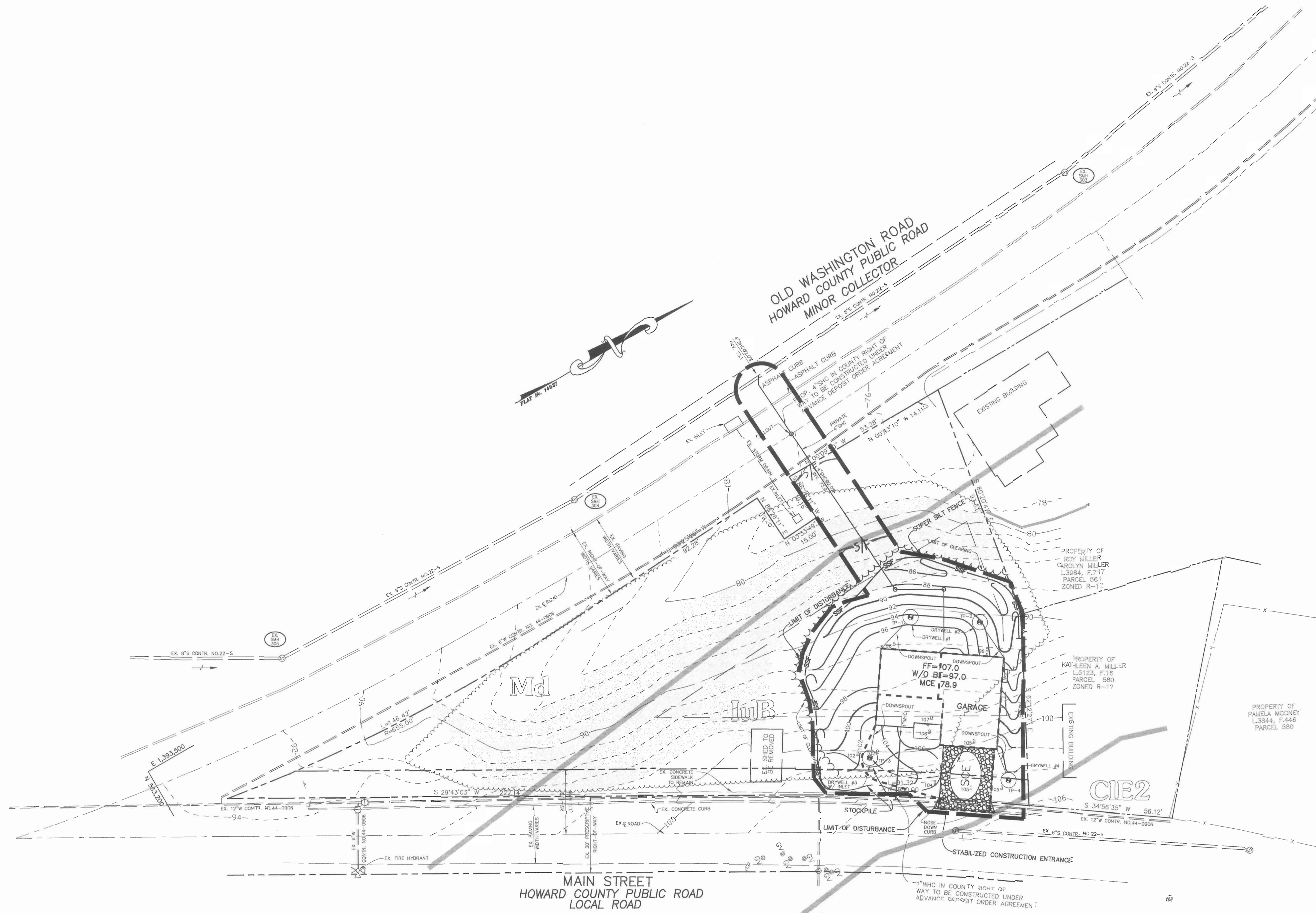
PROJECT NO: 11946-2-0/ENGR/PLANS/C400SIT

DATE: DECEMBER 22, 2004

SCALE: 1" = 20'

DRAWING NO. 1 OF 4

CHRISTOPHER J. REID #19949



BY THE DEVELOPER :

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 INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT.

Chase Orthner 4/30/05
 DEVELOPER DATE

BY THE ENGINEER :

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.

Clayton S. Raw 4.29.05
 ENGINEER DATE

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

Jim Meyer 5/5/05
 NATURAL RESOURCES CONSERVATION SERVICE DATE

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

John E. Robertson 5/5/05
 HOWARD SOIL CONSERVATION DISTRICT DATE

APPROVED : HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

Mark D. Taylor 5/6/05
 DIRECTOR DATE

William J. ... 5/10/05
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

Chris Haman 5/20/05
 CHIEF, DIVISION OF LAND DEVELOPMENT DATE

DATE	NO.	REVISION

OWNER / DEVELOPER
 CARLTON E. CHASE & HANS ORTHNER
 855 GUACHWAY
 ANNAPOLIS, MARYLAND 21401

PROJECT
CHASE/ORTHNER PROPERTY
 FIRST (WESTERN) PART

AREA
 TAX MAP 38, ZONED R-12
 PARCEL P/O 683, FIRST (WESTERN) PART L6187 F.001
 1st ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

TITLE
GRADING AND SEDIMENT CONTROL PLAN

Patton Harris Rust & Associates, pc
 Engineers, Surveyors, Planners, Landscape Architects.
 8818 Centre Park Drive
 Columbia, MD 21045
 T 410.997.8900
 F 410.997.9282

DATE
 4.29.05

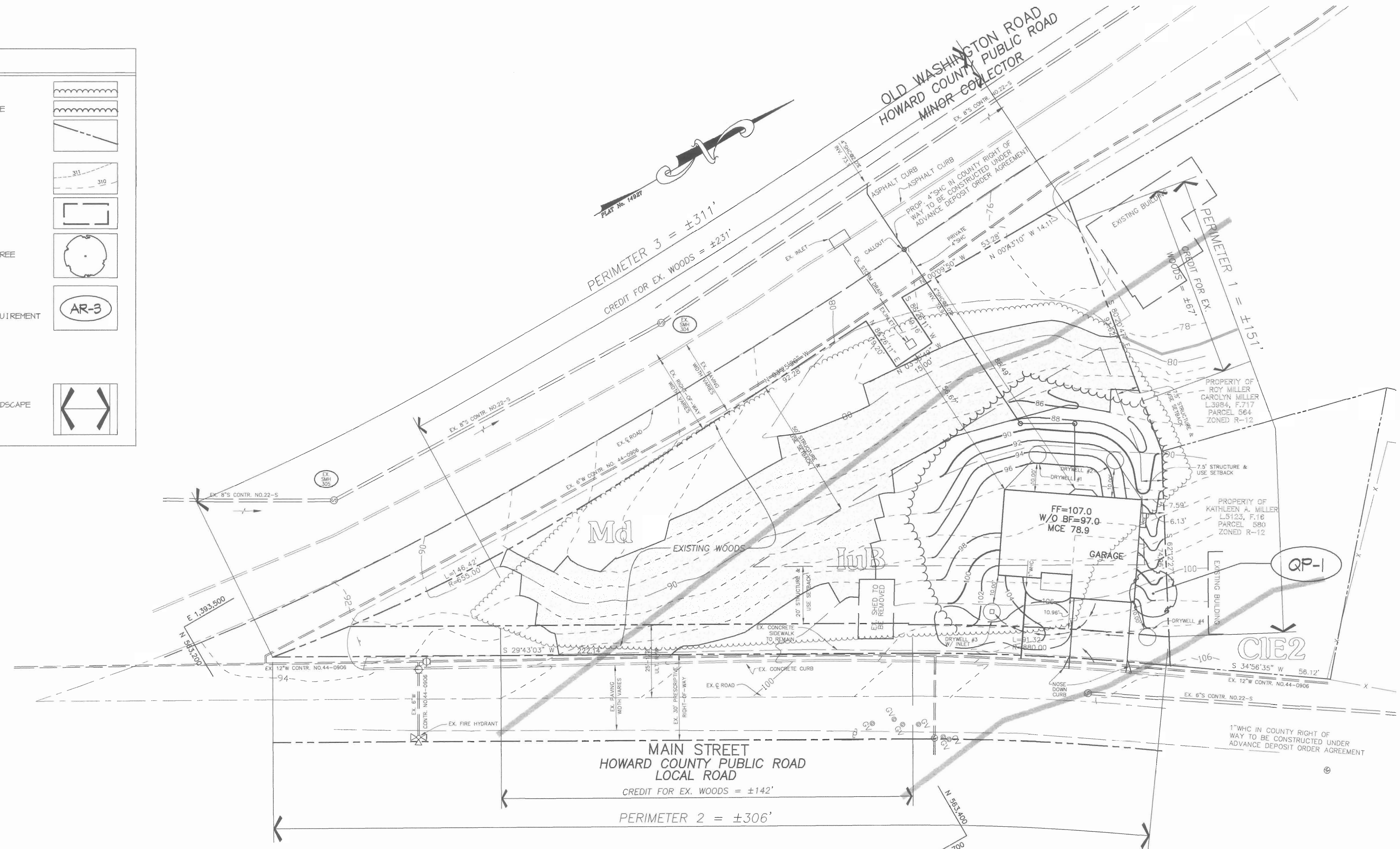
DESIGNED BY : C.J.R.
 DRAWN BY: MAD
 PROJECT NO 41946-2-0/ENGR/
 PLANS/ C200ESC
 DATE : DECEMBER 22, 2004
 SCALE : 1" = 20'
 DRAWING NO. 2 OF 4

CHRISTOPHER J. REID #19949

0' FOREST LITTER WITH ROOT (ORGANIC) MATTER AND ORGANIC SOIL	0' FOREST LITTER WITH ROOT (ORGANIC) MATTER AND ORGANIC SOIL	0' FOREST LITTER WITH ROOT (ORGANIC) MATTER AND ORGANIC SOIL	0' FOREST LITTER WITH ROOT (ORGANIC) MATTER AND ORGANIC SOIL
0.8' BROWN SILTY FINE TO COURSE SAND WITH SOME GRAVEL, DAMP TO MOIST (SM) (LOAM)	0.9' DARK BROWN FINE TO MEDIUM SANDY SILT WITH TRACE GRAVEL, DAMP (ML) (SANDY LOAM)	0.9' BROWN SILTY FINE TO COURSE SAND AND GRAVEL, DAMP (SM/GM) (LOAM)	0.6' BROWN FINE TO MEDIUM SANDY SILT WITH TRACE ORGANIC MATTER (ABOVE 2.0 FEET), DAMP TO MOIST (ML) (SANDY LOAM)
12.0' END OF TEST PIT	4.0' BROWN FINE TO MEDIUM SANDY SILT WITH INTERLAYERED RED-BROWN SILTY CLAY, MOIST (ML/CL) (SILT LOAM)	6.0' BROWN FINE TO MEDIUM SANDY SILT WITH INTERLAYERED RED-BROWN SILTY CLAY, MOIST (ML/CL) (SILT LOAM)	5.0' BROWN SILTY FINE TO COURSE SAND WITH SOME GRAVEL, MOIST (SM) (LOAM)
BORING TP-1 NO SCALE	BORING TP-2 NO SCALE	BORING TP-3 NO SCALE	BORING TP-4 NO SCALE

LEGEND

EX. TREELINE	
PROP. TREELINE	
PROPERTY LINE	
CONTOUR LINES	
EX. BUILDING	
PROP. SHADE TREE	
PERIMETER LANDSCAPE REQUIREMENT	
PERIMETER LANDSCAPE EDGE LIMITS	



- GENERAL NOTES:**
- THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE LANDSCAPE MANUAL.
 - FINANCIAL SURETY FOR THE REQUIRED LANDSCAPING MUST BE POSTED AS PART OF THE **BUILDER'S GRADING PERMIT** IN THE AMOUNT OF \$300.00.
 - 1" SHADE TREE @ \$300 = \$300
 - 0 ORNAMENTAL TREES @ \$150 = 0
 - 0 EVERGREEN TREES @ \$150 = 0
 - 0 SHRUBS @ \$30 = 0
 - THIS PLAN IS FOR LANDSCAPING PURPOSES ONLY.
 - CONTRACTOR IS SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, PROCEDURES, AND SAFETY PRECAUTIONS AND PROGRAMS.
 - ALL MATERIAL SELECTED SHALL BE EQUAL TO OR BETTER THAN THE REQUIREMENTS OF THE "USA STANDARD FOR NURSERY STOCK", LATEST EDITION, AS PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN.
 - ALL MATERIAL SHALL BE PLANTED IN ACCORDANCE WITH THE MINIMUM STANDARDS CITED IN THE LATEST EDITION OF "LANDSCAPE SPECIFICATION GUIDELINES" PUBLISHED BY THE LANDSCAPE CONTRACTORS ASSOCIATION.
 - AT THE TIME OF INSTALLATION, ALL SHRUBS AND OTHER PLANTINGS SHALL BE OF THE PROPER HEIGHT AND/OR SPREAD REQUIREMENTS IN ACCORDANCE WITH THIS PLAN AND THE HOWARD COUNTY LANDSCAPE MANUAL.
 - NO SUBSTITUTIONS OR RELOCATION OF PLANTS MAY BE MADE WITHOUT PRIOR APPROVAL FROM THE DEPARTMENT OF PLANNING AND ZONING OF HOWARD COUNTY. ANY DEVIATION FROM THIS LANDSCAPE PLAN MAY RESULT IN A REQUIREMENT FOR SUBMITTAL OF AN OFFICIAL "REDLINE REVISION" TO THE SITE DEVELOPMENT PLAN(S) AND/OR DENIAL IN THE RELEASE OF LANDSCAPE SURETY.

DEVELOPER'S/BUILDER'S CERTIFICATE:

I/WE 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/WE FURTHER CERTIFY THAT UPON 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.

SIGNATURE: *Chase/Orthner* DATE: 4/30/05

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

DIRECTOR: *Mark A. Eagle* DATE: 5/2/05

CHIEF, DEVELOPMENT ENGINEERING DIVISION: *William J. ...* DATE: 6/17/05

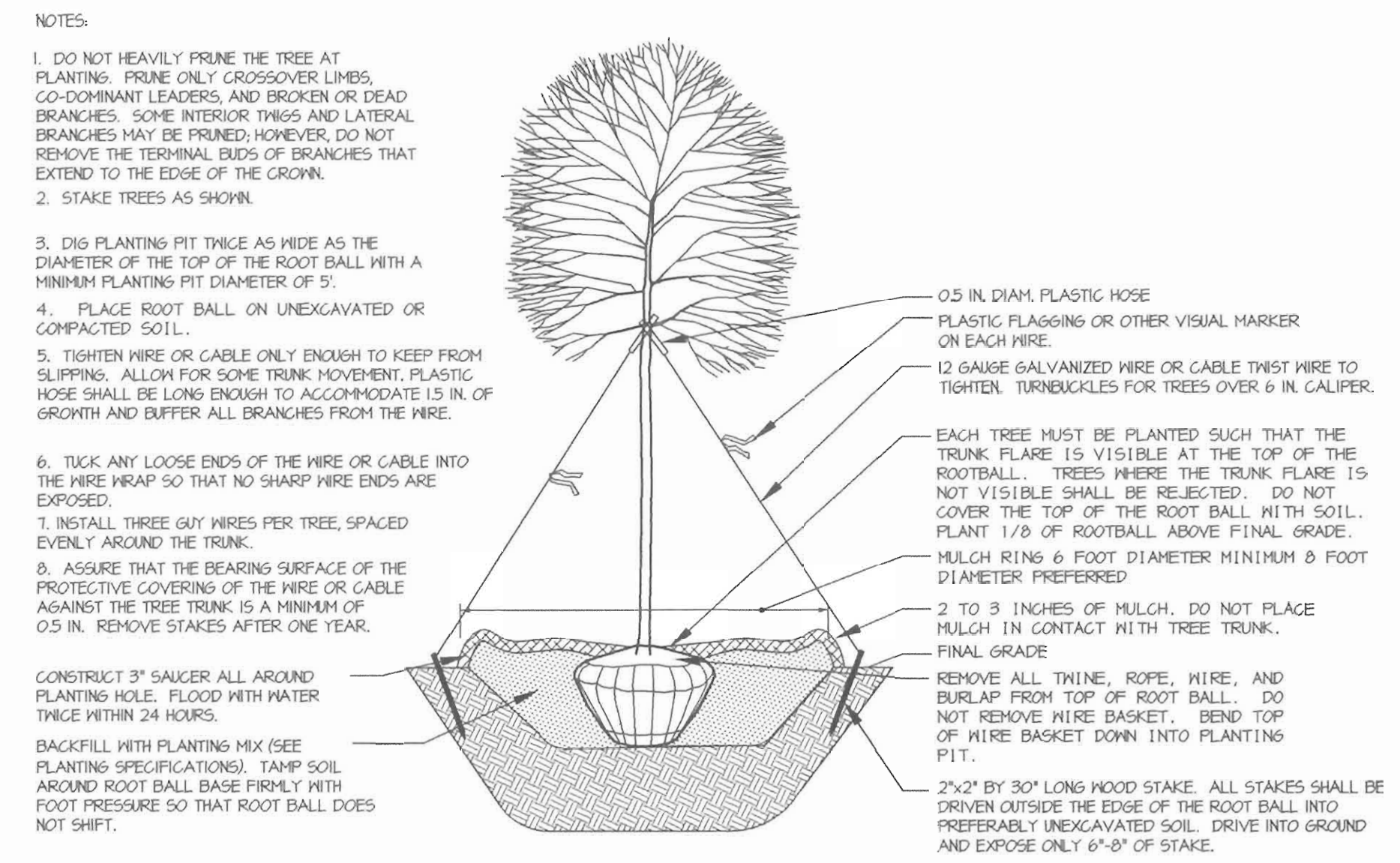
CHIEF, DIVISION OF LAND DEVELOPMENT: *Cindy Hamata* DATE: 5/20/05

PLANT LIST

SYMBOL	QTY.	SCIENTIFIC/COMMON NAME	SIZE	ROOT	SPACING
QP	1	Quercus phellos Willow Oak	2-1/2" - 3" CAL	B&B	PLANT AS SHOWN

SCHEDULE A - PERIMETER LANDSCAPE EDGE

PERIMETER	ADJACENT TO PERIMETER PROPERTIES		ADJACENT TO ROADWAYS	
	1	2	3	4
LANDSCAPE TYPE	A	NONE	B	
LINEAR FEET OF ROADWAY FRONTAGE/ PERIMETER	±151'	±306'	±311'	
CREDIT FOR EXISTING VEGETATION (YES/NO/ LINEAR FEET) (DESCRIBE BELOW IF NEEDED)	YES ±67'	YES ±142'	YES ±231'	
CREDIT FOR WALL, FENCE, BERM OR DRIVE AISLE (YES/NO/LINEAR FEET)	NO	YES ±20'	NO	
LINEAR FEET REMAINING	±84'	±85'	0'	
NUMBER OF PLANTS REQUIRED	1	-	-	
SHADE TREES	-	-	-	
EVERGREEN TREES	-	-	-	
SHRUBS	-	-	-	
NUMBER OF PLANTS TO BE PROVIDED	1	-	-	
SHADE TREES	-	-	-	
EVERGREEN TREES	-	-	-	
SMALL FLOWERING TREES	-	-	-	
SHRUBS	-	-	-	



DECIDUOUS B&B TREE PLANTING DETAIL (TREES 3" CAL. OR LARGER)
NOT TO SCALE

DATE NO. REVISION

OWNER / DEVELOPER
CARLTON E. CHASE & HANS ORTHNER
835 COACHWAY
ANNAPOLIS, MARYLAND 21401

PROJECT
CHASE/ORTHNER PROPERTY
FIRST (WESTERN) PART

AREA
TAX MAP 3B, ZONED R-12
PARCEL P/O 683, FIRST (WESTERN) PART L6187 F.001
1st ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

TITLE
LANDSCAPE PLAN

Patton Harris Rust & Associates, pc
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F 410.997.9282

4-29-05
DATE

DESIGNED BY:
DRAWN BY: MAD
PROJECT NO: 11946-2-0/ENGR/
PLANS/L200LSCP
DATE: DECEMBER 22, 2004
SCALE: 1" = 20'
DRAWING NO. 4 OF 4

SCOTT R. WOLFORD #797