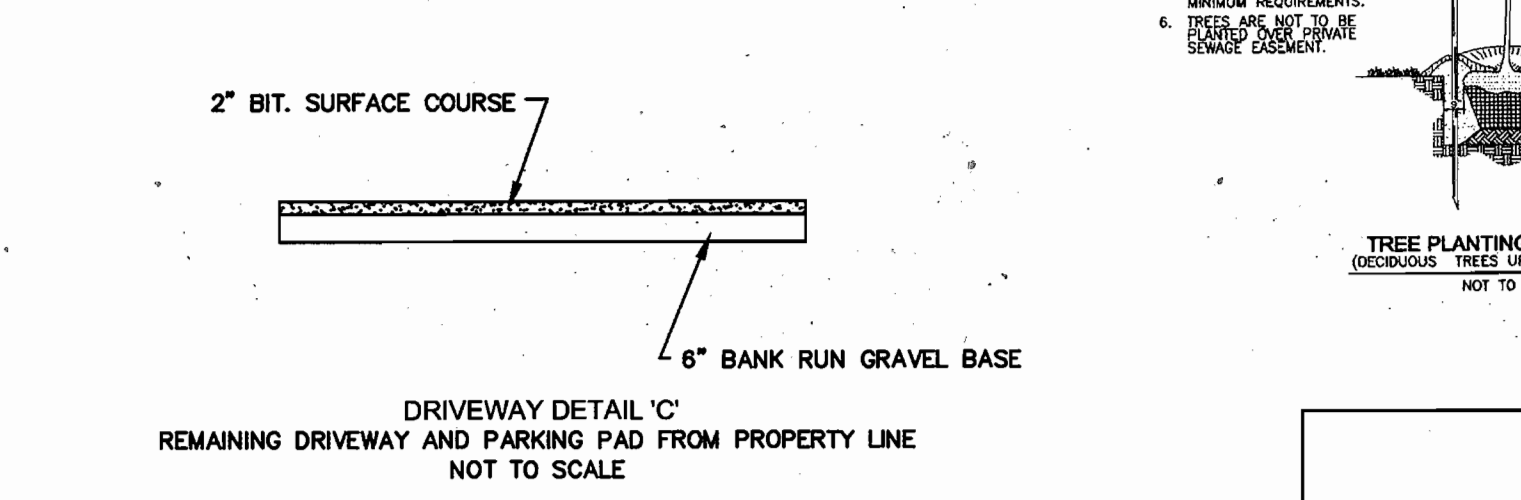
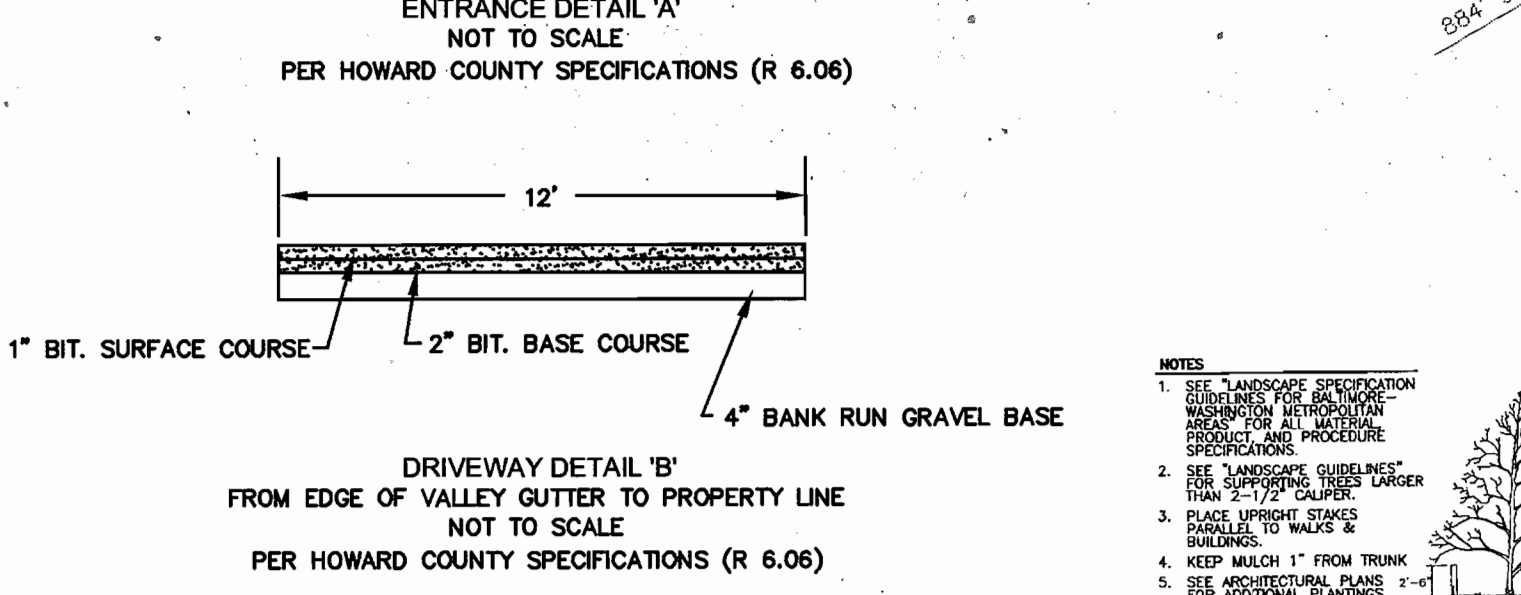
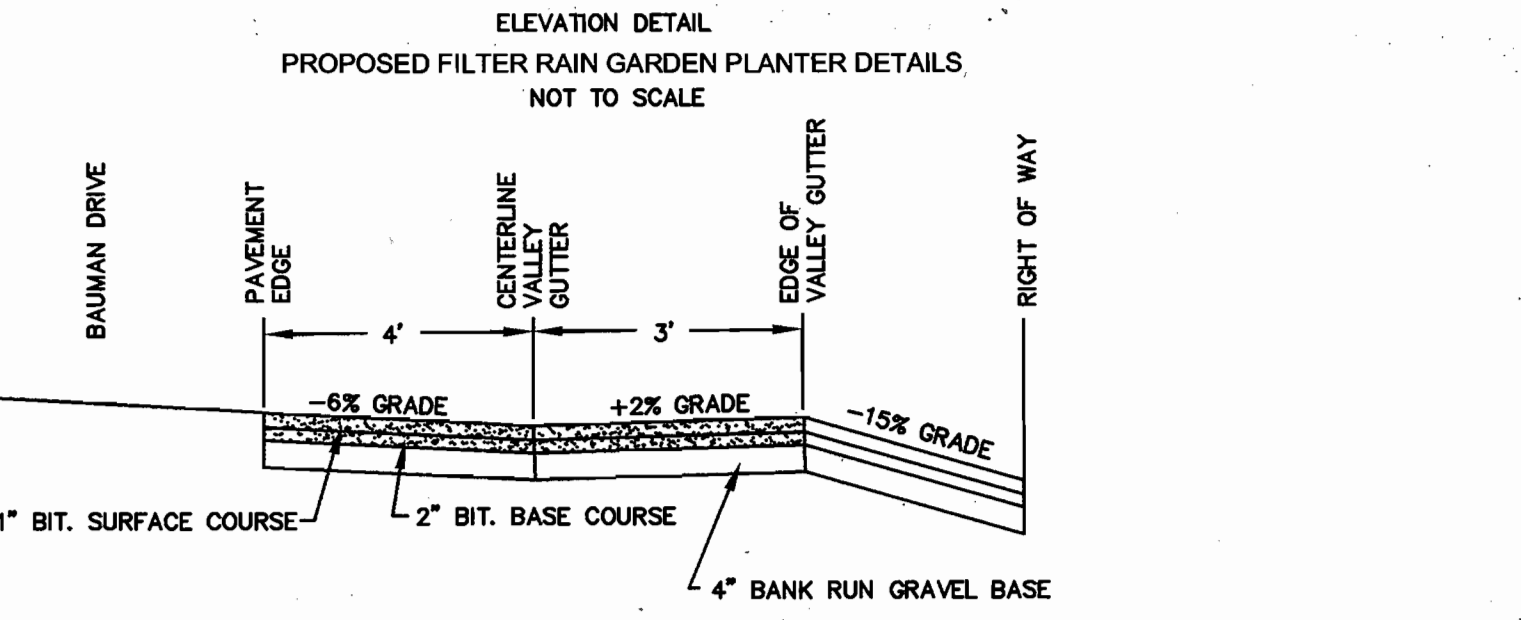
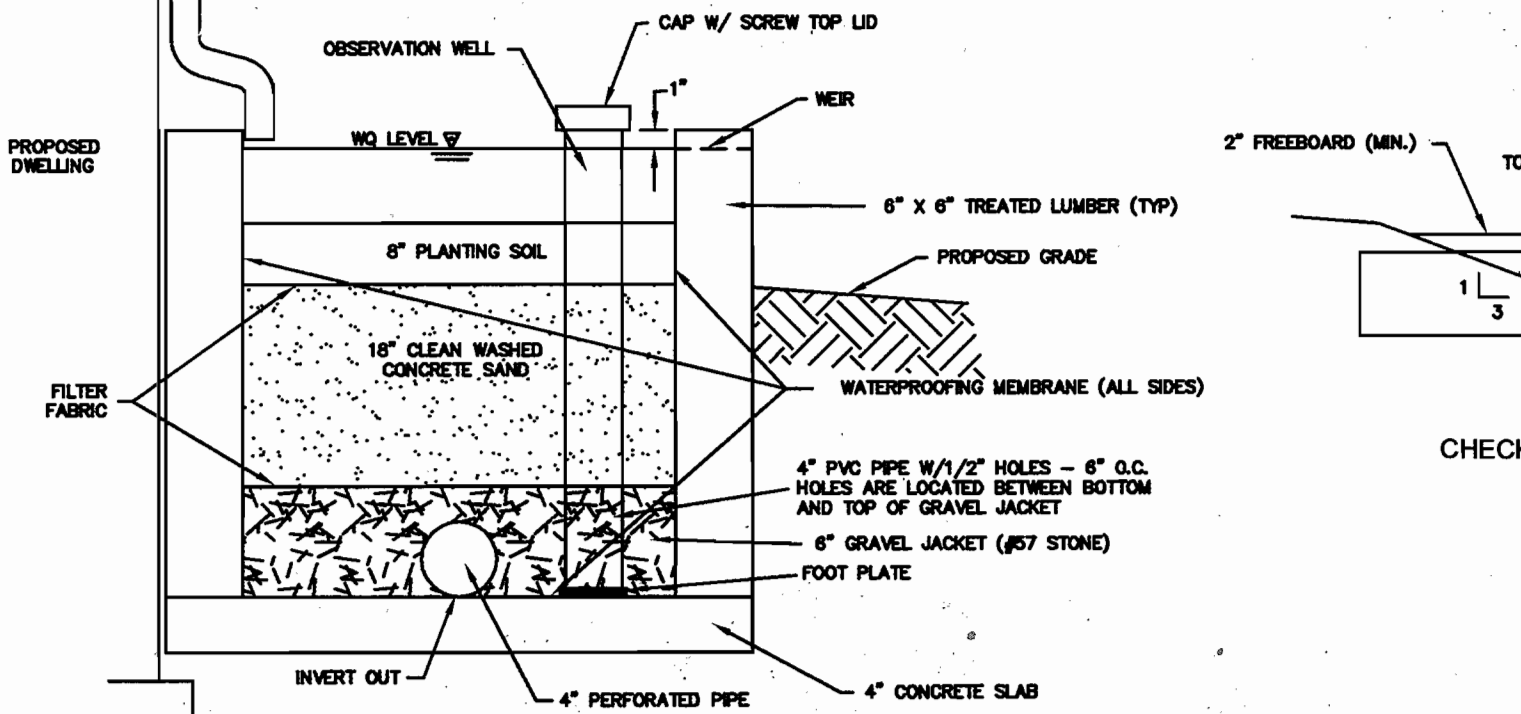
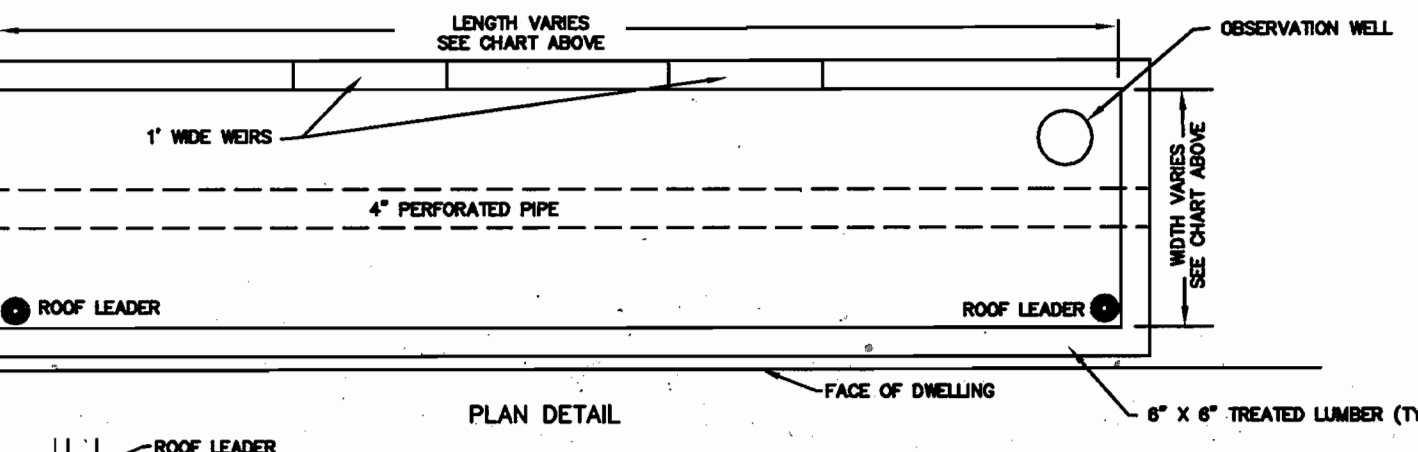


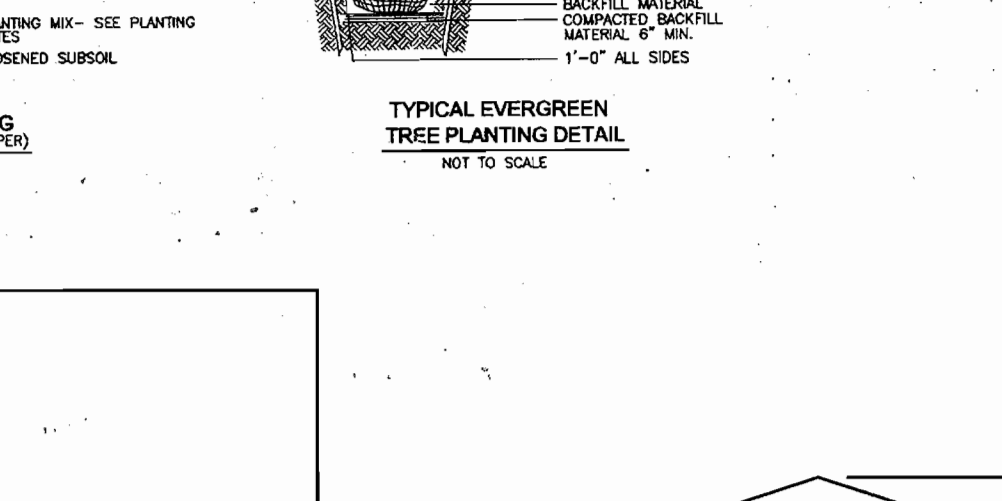
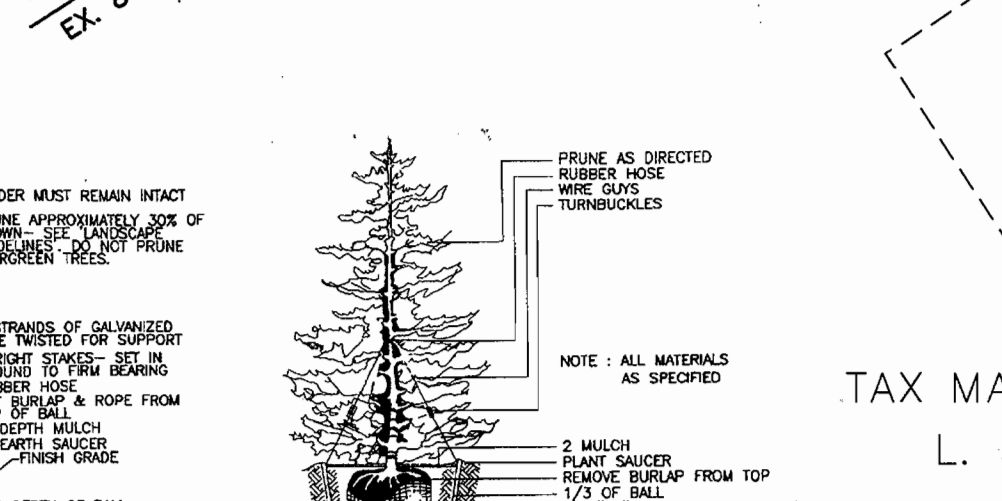
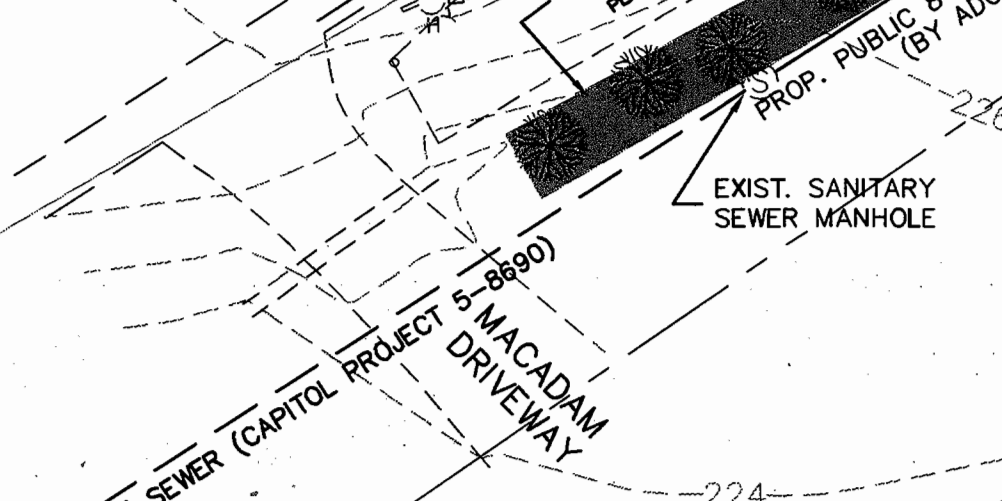
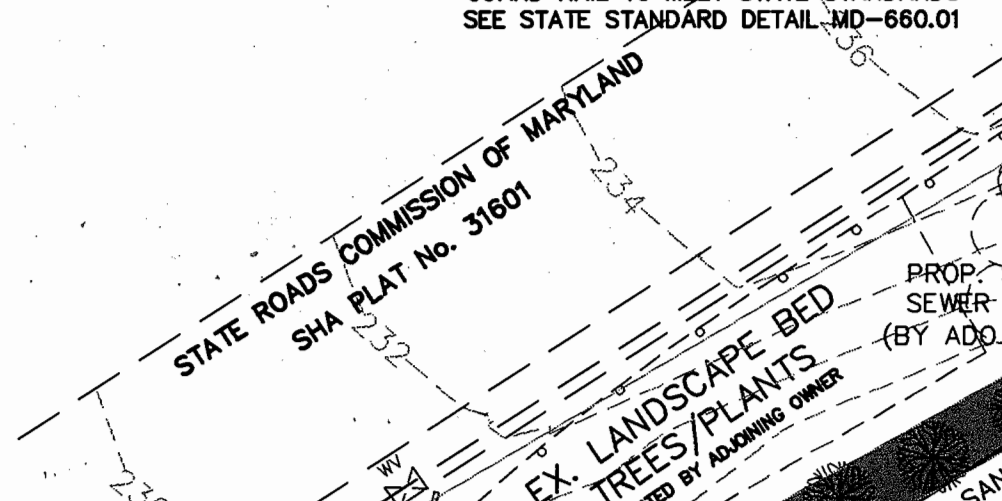
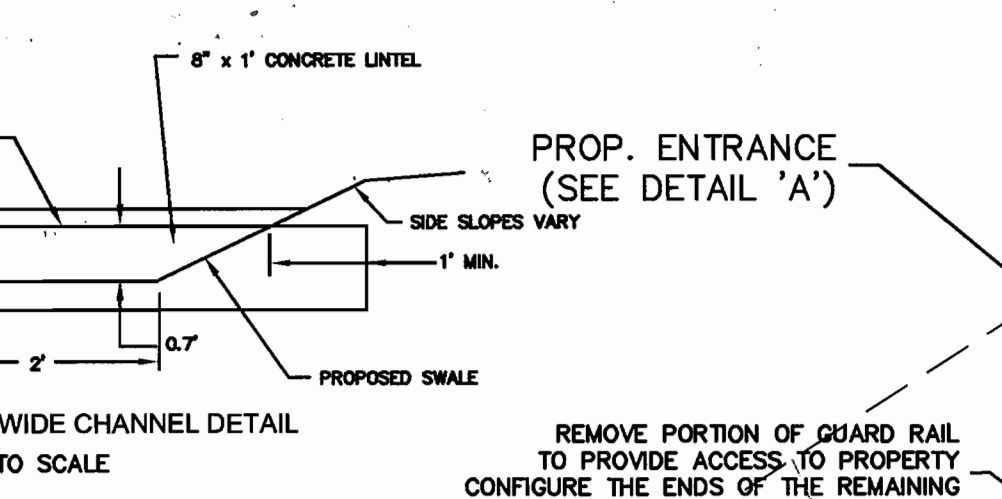
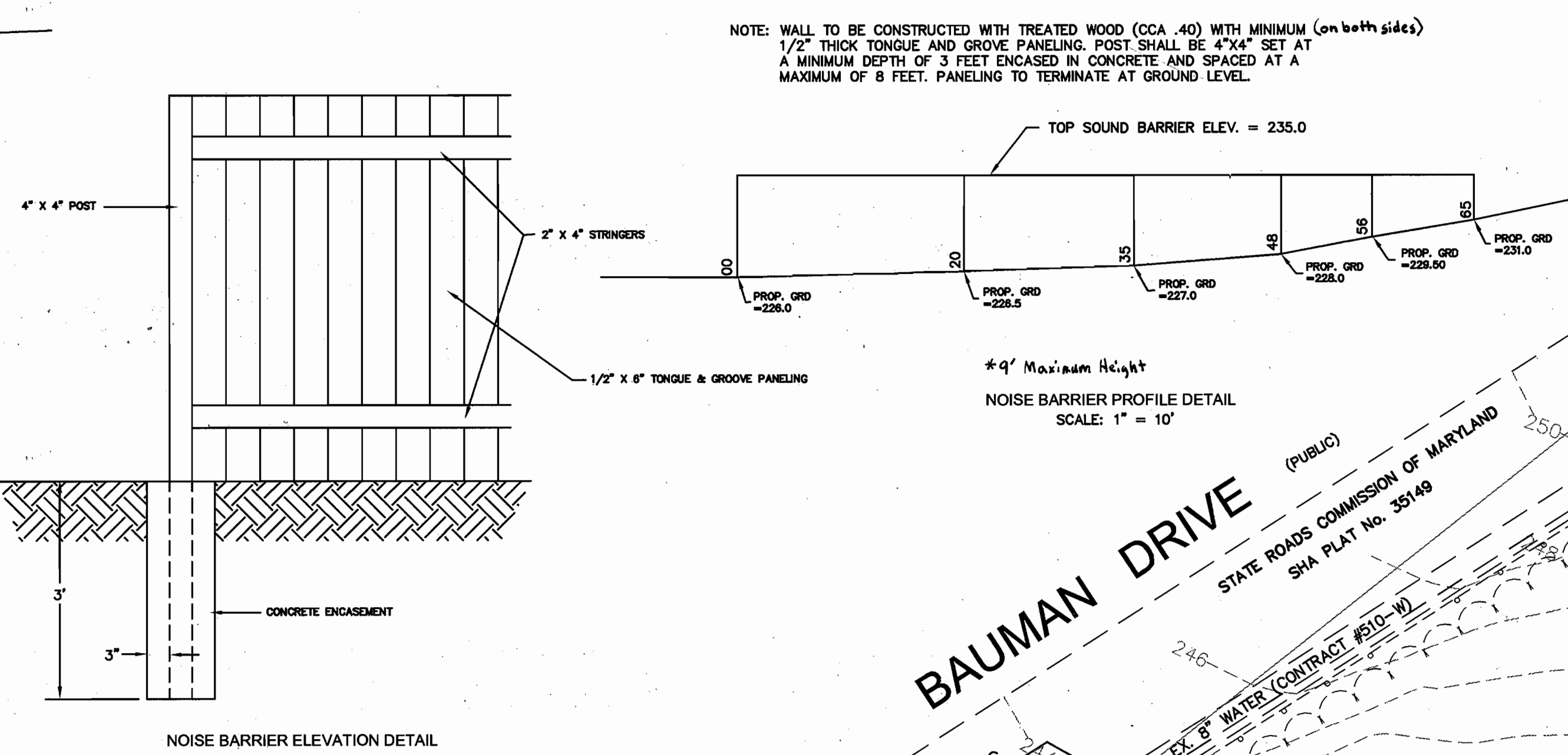
RAIN GARDEN STRUCTURAL DATA:

RAIN GARDEN STRUCTURE NO.	CONTRIBUTING ROOF AREA	WV VOLUME REQUIRED	PONDING STORAGE DEPTH	DIMENSIONS OF STRUCTURE	INVERT OUT ELEVATION
1	1,131 SF	91 CF	10"	3.7' W X 25'L	230.1
2	124 SF	10 CF	10"	3.0' W X 4.5'L	228.0
3	708 SF	57 CF	10"	4.5' W X 14'L	227.0
4	565 SF	45 CF	10"	3.3' W X 14.1'L	226.6
5	348 SF	28 CF	10"	3.0' W X 9.8'L	225.5
TOTALS	2,874 SF	231 CF			



APPROVED: DEPARTMENT OF PLANNING AND ZONING
 Chief, Development Engineering Division Date: 11/10/03
 Chief, Division of Land Development Date: 11/12/03
 Director Date: 11/12/03

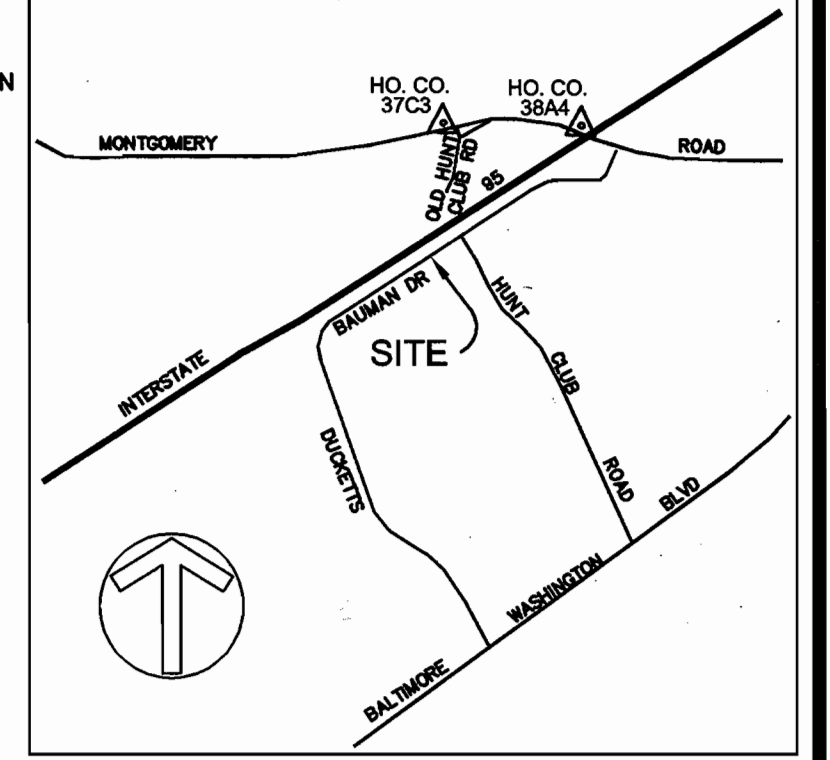
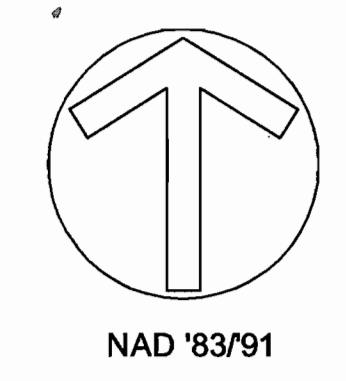
APPROVED FOR PUBLIC (OR PRIVATE) WATER AND PUBLIC (OR PRIVATE) SEWERAGE SYSTEMS
 County Health Officer Date:
 Howard County Health Department



NOTE: WALL TO BE CONSTRUCTED WITH TREATED WOOD (CCA .40) WITH MINIMUM (on both sides) 1/2" THICK TONGUE AND GROOVE PANELING. POST SHALL BE 4"x4" SET AT A MINIMUM DEPTH OF 3 FEET ENCASED IN CONCRETE AND SPACED AT A MAXIMUM OF 8 FEET. PANELING TO TERMINATE AT GROUND LEVEL.

SHEET INDEX
 SHEET 1 SITE, GRADING, LANDSCAPE & STORMWATER MANAGEMENT PLAN
 SHEET 2 SEDIMENT & EROSION CONTROL & DETAILS PLAN
 SHEET 3 SOILS MAP

LEGEND:
 WATER VALVE
 FIRE HYDRANT
 SANITARY SEWER MANHOLE
 CLEANOUT
 M.B.S.L. MINIMUM BUILDING SETBACK LINE
 LIMIT OF DISTURBANCE
 LIMIT OF WETLANDS



VICINITY MAP SCALE: 1" = 2000'
 BENCHMARKS:
 NO. 37C3 N 562906.003 E 1384856.679 ELEV = 258.488
 NO. 38A4 N 562977.621 E 1386288.112 ELEV = 224.182

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 TWO FOOT CONTOUR INTERVALS PREPARED BY KJWELLS INC DATED 2/18/2002.
- 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. 38A4 AND 38C3 WERE USED FOR THIS PROJECT.
- EXISTING UTILITIES ARE BASED ON CONTRACTS 10-3073 (SEWER) & 510-W. ANY DAMAGE TO THE COUNTY'S RIGHT-OF-WAY SHALL BE CORRECTED AT THE DEVELOPER'S EXPENSE.
- SIC ELEVATIONS SHOWN ARE LOCATED AT THE PROPERTY LINE.
- FOR DRIVEWAY ENTRANCE DETAILS REFER TO THE DETAILS SHOWN HEREON.
- THE PROPERTY LINES SHOWN HEREON WERE BASED FROM A SURVEY PERFORMED ON OR ABOUT JUNE 7, 2000 BY MILDENBERG, BOENDER & ASSOCIATES, INC.
- THE SUBJECT PROPERTY IS ZONED R-12 PER 10/19/1993 COMPREHENSIVE ZONING PLAN.
- 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 SETBACK. PORCHES OR DECKS, OPEN OR ENCLOSED MAY PROJECT NOT MORE THAN 10 FEET INTO THE FRONT OR REAR YARD SETBACK.
- DRIVEWAYS SHALL BE PROVIDED PRIOR TO ISSUANCE OF A RESIDENTIAL OCCUPANCY PERMIT FOR ANY DWELLINGS TO INSURE SAFE ACCESS FOR FIRE AND EMERGENCY VEHICLES PER THE FOLLOWING MINIMUM REQUIREMENTS:
 A. WIDTH - 12'
 B. SURFACE - AS PER DETAILS AS SHOWN HEREON.
 C. GEOMETRY - MAX. 15% GRADE, MAX. 10% GRADE CHANGE AND MIN. 45 FOOT TURNING RADIUS.
 D. STRUCTURES (CULVERTS/BRIDGES) - CAPABLE OF SUPPORTING 25 GROSS TONS (H25 LOADING)
 E. DRAINAGE ELEMENTS - CAPABLE OF SAFELY PASSING 100-YEAR FLOOD WITH NO MORE THAN 1 FOOT DEPTH OVER DRIVEWAY SURFACE.
 F. MAINTENANCE - SUFFICIENT TO INSURE ALL WEATHER USE.
- THE MARYLAND DEPARTMENT OF THE ENVIRONMENT INTENDS TO ISSUE A NOTICED WETLANDS AND WATERWAYS LETTER OF AUTHORIZATION TO PERMIT THE PROPOSED ACTIVITY.
- A TRAFFIC STUDY IS REQUIRED FOR THIS PROJECT (SEE REPORT).
- SURETY FOR THE REQUIRED 6 SHADE TREES IN THE AMOUNT OF \$ 1,900.00 SHALL BE PROVIDED WITH THE GRADING PERMIT (IF APPLICABLE) FOR THIS SITE.
- BAUMAN DRIVE IS A PUBLIC ROAD.
- THE PROPOSED RAIN GARDEN SHOWN HEREON WILL BE A PRIVATE FACILITY AND THAT THE HOMEOWNER IS RESPONSIBLE FOR ITS PROPER FUNCTIONING AND MAINTENANCE.
- THE SIGHT LINES SHOWN HEREON SHALL BE MAINTAINED TO BE FREE AND CLEAR OF OBSTRUCTIONS.

LANDSCAPING & FOREST CONSERVATION NOTES

- THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 16.124 OF THE HOWARD COUNTY CODE AND LANDSCAPE MANUAL. SEE NOTE NO. 15.
- THIS PROJECT IS EXEMPT FROM THE REQUIREMENTS OF SECTION 16.1200 OF THE HOWARD COUNTY CODE FOR FOREST CONSERVATION BECAUSE THE DEVELOPMENT OF LAND IS LESS THAN 40,000 SQUARE FEET AS PER SECTION 16.1202.b.1.(c).

SITE ANALYSIS DATA CHART

- TOTAL PROJECT AREA: 0.5363 ACRES
- LIMIT OF DISTURBANCE: 21,900 SF OR 0.50 AC
- PRESENT ZONING DESIGNATION: R-12
- PROPOSED USE FOR SITE & STRUCTURES: SINGLE FAMILY DWELLING AND HOUSING BY RESIDENT FAMILY
- TOTAL NUMBER OF UNITS ALLOWED: 1
- TOTAL NUMBER OF UNITS PROPOSED: 1
- NUMBER OF PARKING SPACES REQUIRED: 4
- NUMBER OF PARKING SPACES PROPOSED: 4
- BUILDING COVERAGE OF SITE: 0.066 AND 12.3% OF GROSS AREA.

ADDRESS CHART

LOT/PARCEL #	STREET ADDRESS
411	6045 BAUMAN DRIVE

PERMIT INFORMATION CHART

Subdivision Name	N/A	Section/Area	N/A	Lot/Parcel No.	411
Plat # or L/F	4187/555	Grid #	7	Zoning	R-12
Water Code	D-06	Tax Map No.	38	Elect Dist	01
		Sewer Code	2152215	Census Tract	6012.02

REVISIONS FOUNDATION PROPERTY

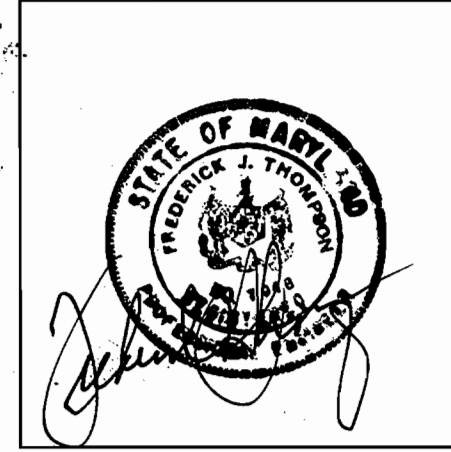
SITE, GRADING, LANDSCAPE & STORMWATER MANAGEMENT PLAN
 DEED REFERENCE: 4197/555
 IMPROVEMENTS: CONSTRUCT SINGLE FAMILY RESIDENCE
 ELECTION DISTRICT 01, HOWARD COUNTY, MARYLAND
 TAX MAP: 38 GRID NO: 07 PARCEL NO: 411
 SCALE: 1" = 20'
 DATE: 2/28/2003
 SHEET 1 of 3

LANDSCAPE CALCULATIONS
 LOT PERIMETER
 453.36 LF PERIMETER
 95.00 LF CREDIT
 358.36/60 = 6 SHADE TREES
 TOTAL SHADE TREES REQUIRED = 6
 TOTAL SHADE TREES PROPOSED = 6

SCHEMATIC KEY

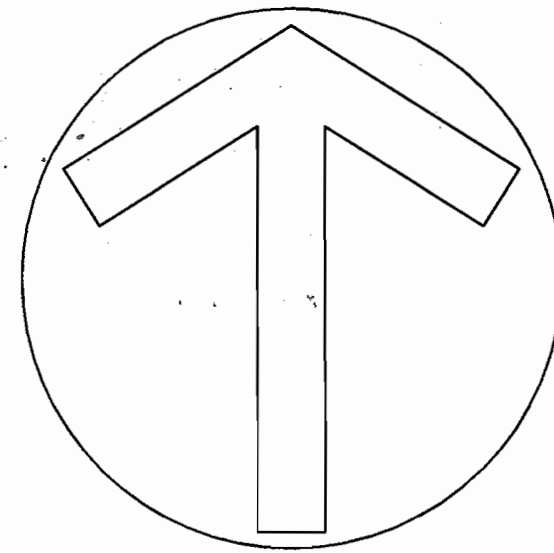
	PIN OAK QUERCUS PALUSTRIS	2 1/2" CAL.	B & B
	WHITE PINE PINUS STROBUS	6' - 8' HT.	B & B

ENGINEER/SURVEYOR
 KJWELLS INC
 7403 NEW CUT ROAD
 KINGSVILLE, MARYLAND 21087
 410-592-8800
 I HEREBY CERTIFY THAT NO BURIAL GROUNDS EXIST ON THE SUBJECT PROPERTY.



OWNER/DEVELOPER
 REVISIONS FOUNDATION
 20 WINTERS LANE
 BALTIMORE, MARYLAND 21228
 443-612-1497 X-1008

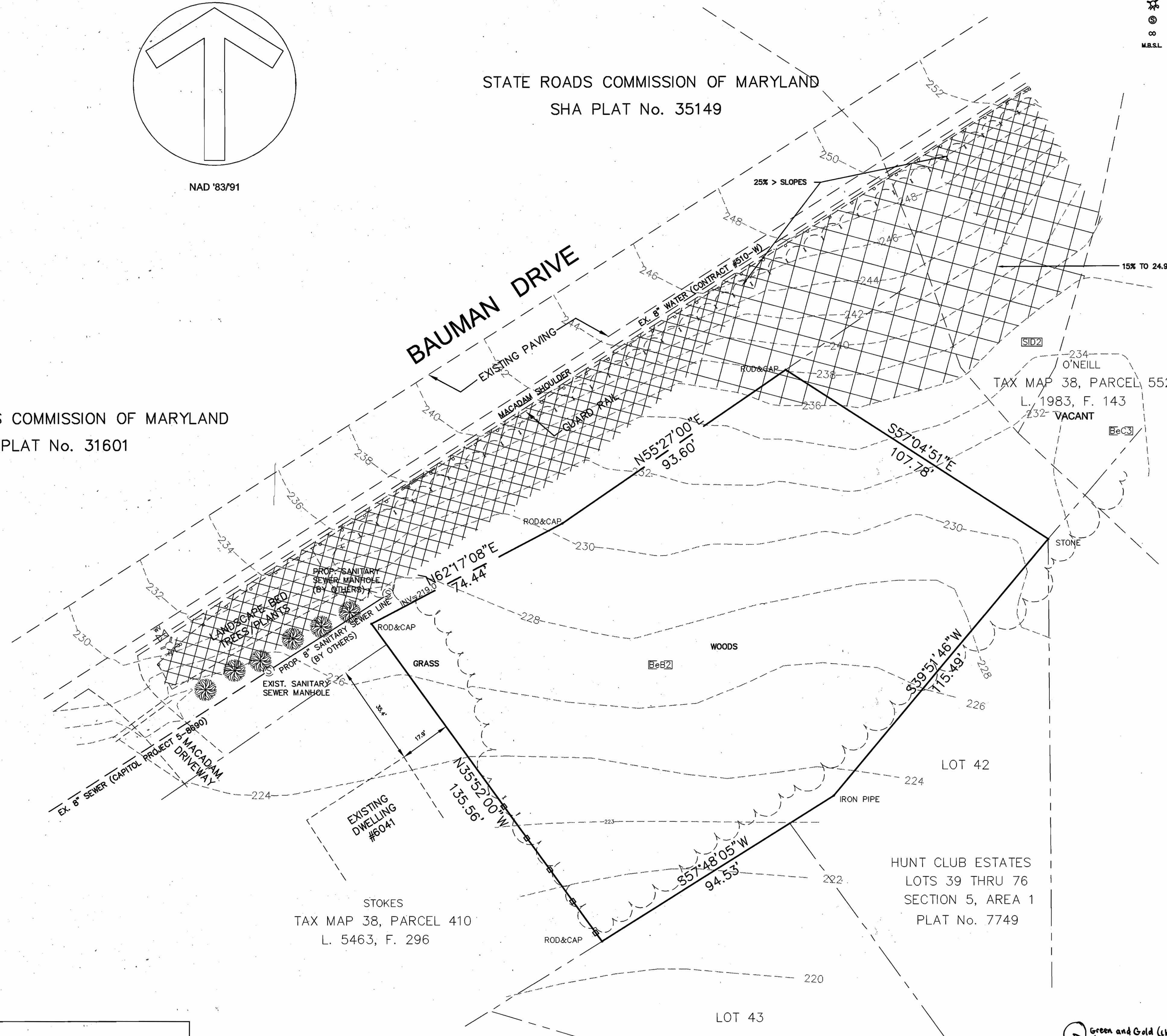
Disturbance to the Wetlands and Wetland's Buffer has been determined to be essential to accommodate SDP for this site. MD Dept. of the Environment Application Tracking Permit #03-NR-085/20036008B has been issued.



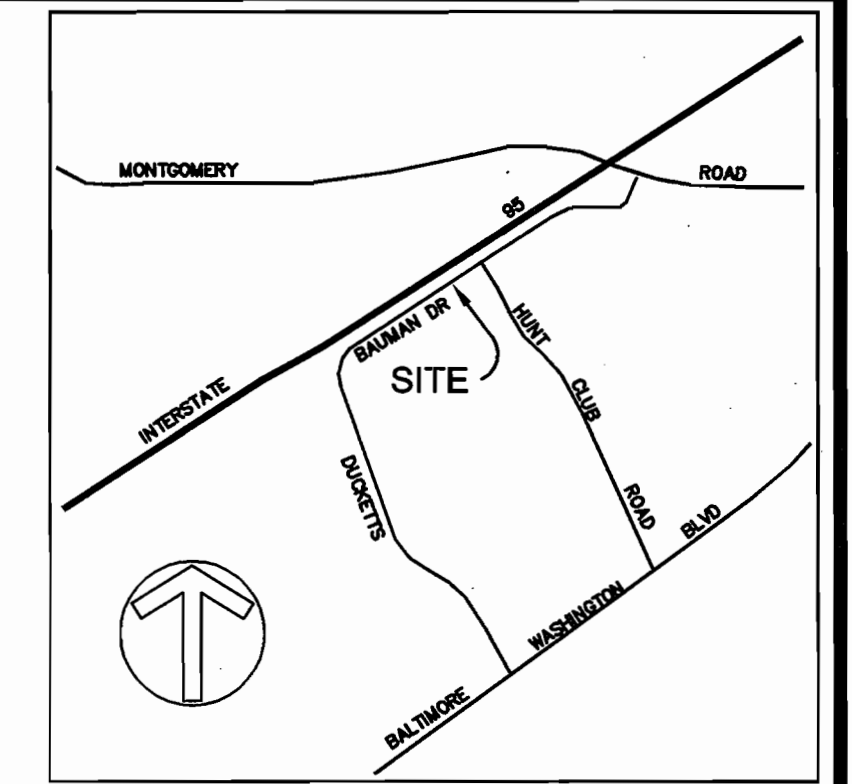
NAD '83/91

STATE ROADS COMMISSION OF MARYLAND
SHA PLAT No. 35149

STATE ROADS COMMISSION OF MARYLAND
SHA PLAT No. 31601



- LEGEND:
- WATER VALVE
 - FIRE HYDRANT
 - SANITARY SEWER MANHOLE
 - CLEANOUT
 - MINIMUM BUILDING SETBACK LINE



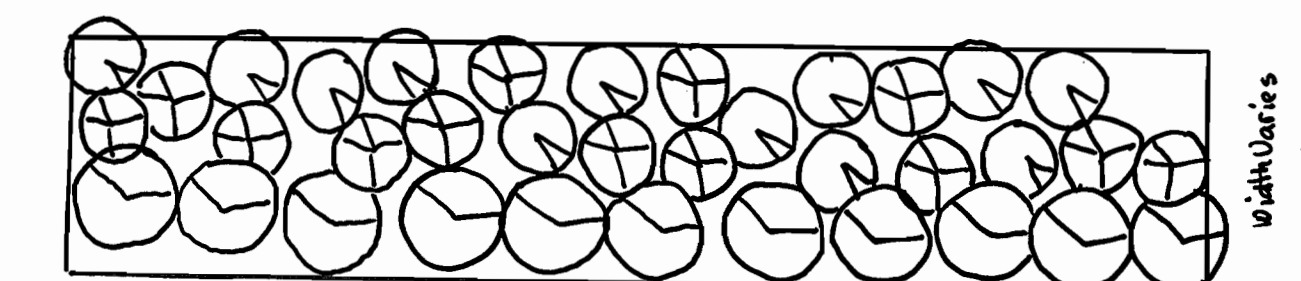
VICINITY MAP
SCALE: 1" = 2000'
BENCHMARK - HOWARD COUNTY SURVEY CONTROL NO. 38A4
STAMPED BRASS DISK AT THE NORTHEAST CORNER OF
ELBANK DRIVE AND MONTGOMERY ROAD

SOILS TABULATION CHART

SOIL TYPE	SERIES	HYDRIC	HYDRIC INCLUSIONS	EROSION POTENTIAL
Beb2	BELTSVILLE	NONE	NONE	HAZARD SLIGHT IN WOODED AREAS MORE SEVERE IN OPEN AREAS

Rain Garden Plant Listings

- RG #1**
Green and Gold (*Chrysogonum virginianum*) 24 plants
Cranesbill (*Geranium maculatum*) 26 plants
Christmas Fern (*Polystichum acrostichoides*) 24 plants
- RG #2**
Green and Gold (*Chrysogonum virginianum*) 6 plants
Black-eyed Susan (*Rudbeckia hirta*) 12 plants
- RG #3**
Green and Gold (*Chrysogonum virginianum*) 18 plants
Cranesbill (*Geranium maculatum*) 24 plants
Christmas Fern (*Polystichum acrostichoides*) 14 plants
- RG #4**
Cranesbill (*Geranium maculatum*) 14 plants
Narrow Sundrops (*Oenothera fruticosa*) 18 plants
Black-eyed Susan (*Rudbeckia hirta*) 20 plants
- RG #5**
Cranesbill (*Geranium maculatum*) 10 plants
Narrow Sundrops (*Oenothera fruticosa*) 14 plants
Black-eyed Susan (*Rudbeckia hirta*) 16 plants
- Length Varies



- Green and Gold (*Chrysogonum*)
- Narrow Sundrops (*Oenothera fruticosa*)
- Christmas Fern (*Polystichum acrostichoides*)
- Black-eyed Susan (*Rudbeckia hirta*)
- Cranesbill (*Geranium maculatum*)

REVISIONS FOUNDATION PROPERTY
SOILS MAP

DEED REFERENCE: 4197/555
IMPROVEMENTS: CONSTRUCT SINGLE FAMILY RESIDENCE
ELECTION DISTRICT 01, HOWARD COUNTY, MARYLAND
TAX MAP: 38 GRID NO.: 07 PARCEL NO.: 411
SCALE: 1" = 20'
DATE: 2/28/2003
SHEET 3 of 3

APPROVED: DEPARTMENT OF PLANNING AND ZONING

Chief, Development Engineering Division Date: 11/10/03

Chief, Division of Land Development Date: 11/12/03

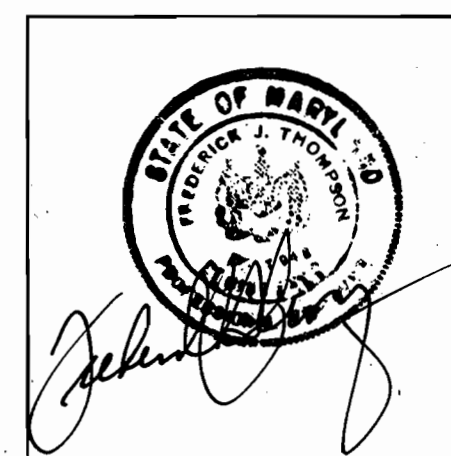
Director Date: 11/14/03

APPROVED: FOR PUBLIC (OR PRIVATE) WATER AND PUBLIC (OR PRIVATE) SEWERAGE SYSTEMS

County Health Officer Date: _____

Howard County Health Department

ENGINEER/SURVEYOR
kjWellis Inc
7403 NEW CUT ROAD
KINGSVILLE, MARYLAND 21087
410-592-8800



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