

NOTES

- MANUFACTURED SAND IS NOT ACCEPTABLE IN DRYWELLS.
- ALL PIPES SHOULD BE SCH 40 PVC 4" MIN.
- DRYWELLS MUST BE A MINIMUM OF 10' FROM BUILDING FOUNDATION, 30' FROM SEPTIC FIELD, 100' FROM WELL LOCATION AND SHOULD BE LOCATED TO MINIMIZE ANY BASEMENT SEAPAGE.
- MINIMUM NUMBER OF PERFORATIONS SHALL BE 5 TIMES PIPE AREA.
- TRENCH MAY NOT BE INSTALLED IN FILL.

OPERATION AND MAINTENANCE SCHEDULE FOR PRIVATELY OWNED AND MAINTAINED STORMWATER DRY WELLS (M-5)

A. THE OWNER SHALL INSPECT THE MONITORING WELLS AND STRUCTURES ON A QUARTERLY BASIS AND AFTER EVERY HEAVY STORM EVENT.

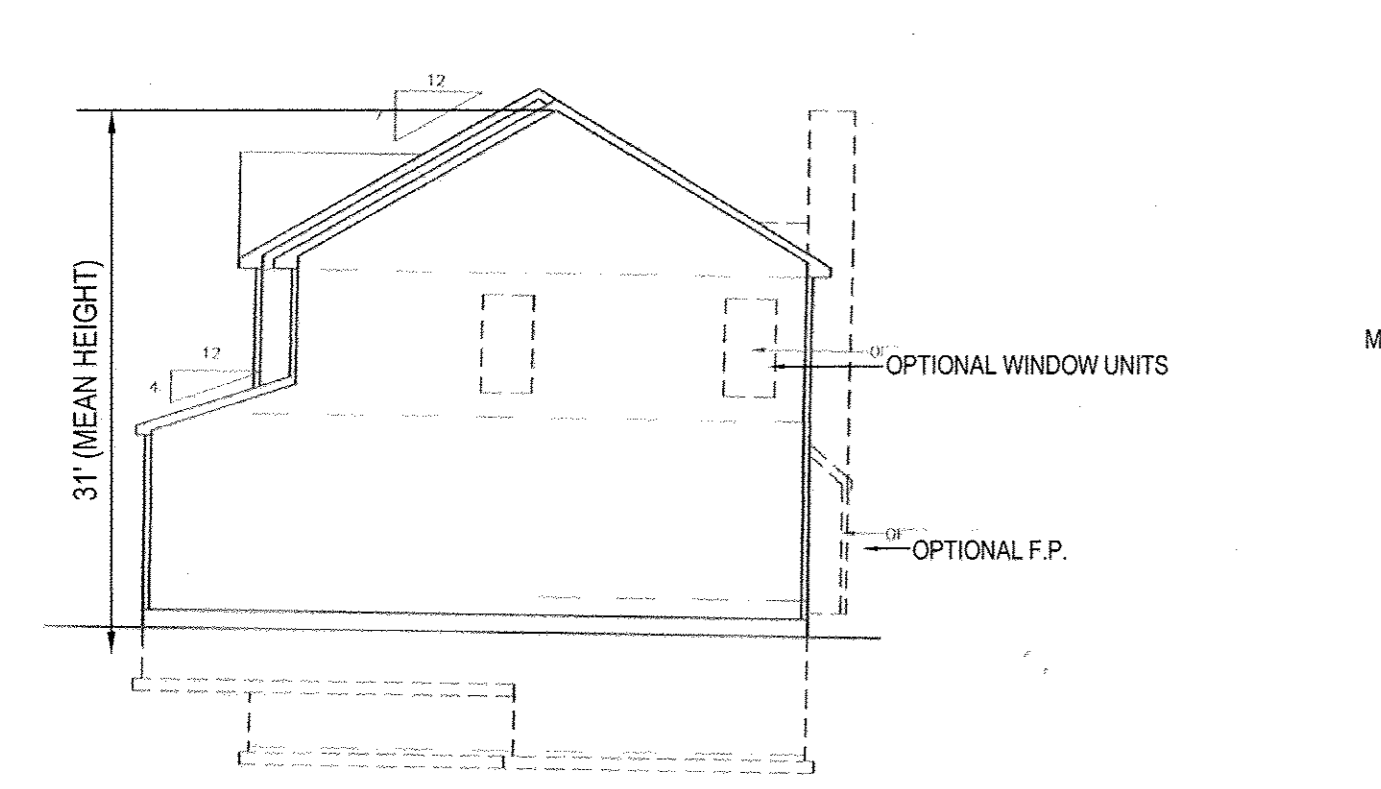
B. THE OWNER SHALL RECORD THE WATER LEVELS AND SEDIMENT BUILD UP IN THE MONITORING WELLS OVER A PERIOD OF SEVERAL DAYS TO INSURE TRENCH DRAINAGE.

C. THE OWNER SHALL MAINTAIN A LOG BOOK TO DETERMINE THE RATE AT WHICH THE FACILITY DRAINS.

D. WHEN THE FACILITY BECOMES CLOGGED SO THAT IT DOES NOT DRAIN DOWN WITHIN SEVENTY-TWO (72) HOUR TIME PERIOD, CORRECTIVE ACTION SHALL BE TAKEN.

E. THE MAINTENANCE LOG BOOK SHALL BE AVAILABLE TO HOWARD COUNTY FOR INSPECTION TO INSURE COMPLIANCE WITH OPERATION AND MAINTENANCE CRITERIA.

F. ONCE THE PERFORMANCE CHARACTERISTICS OF THE INFILTRATION FACILITY HAVE BEEN VERIFIED, THE MONITORING SCHEDULE CAN BE REDUCED TO AN ANNUAL BASIS UNLESS THE PERFORMANCE DATA INDICATES THAT A MORE FREQUENT SCHEDULE IS REQUIRED.



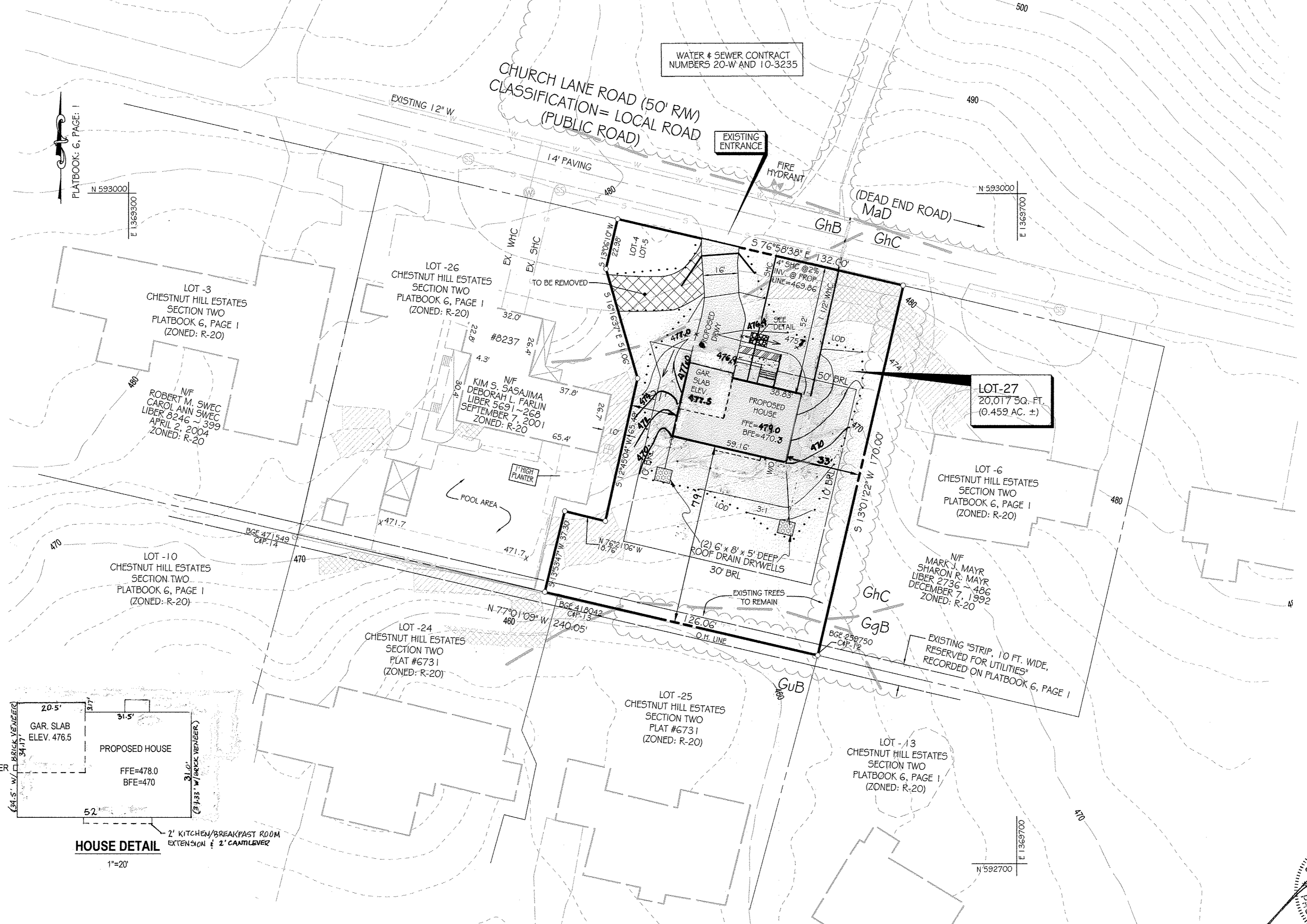
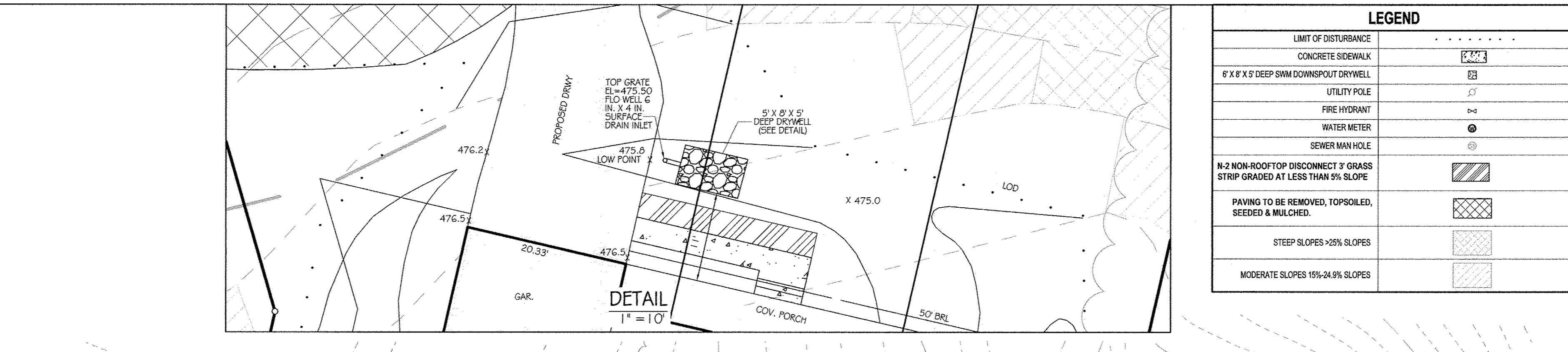
APPROVED: DEPARTMENT OF PLANNING AND ZONING

Chad Edwards 4-11-16
CHIEF, DEVELOPMENT ENGINEERING DIVISION JR DATE

Kate Schell 4-14-16
CHIEF, DIVISION OF LAND DEVELOPMENT DATE

Nancy J. Ellis 4-15-16
DIRECTOR DATE

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



ESD SUMMARY TABLE

ON-SITE STORM WATER MANAGEMENT PRACTICES	IMPERVIOUS AREA TREATED	DRAINAGE AREA
(M-5) DW - ROOF DRAIN DRYWELL	2318 SQ.FT.	2318 SQ.FT.
(N-2) DISCONNECTION OF NON-ROOFTOP RUNOFF	85 SQ.FT.	85 SQ.FT.
(M-5) DW - DRIVEWAY DRAIN DRYWELL	910 SQ. FT.	910 SQ. FT.

SITE ANALYSIS DATA:

- TOTAL AREA OF SITE= 20,017 SQ. FT.± (0.459 AC.±)
- AREA OF MODERATE STEEP SLOPES (15%-24.9%)= 1776 SQ.FT.± OR 0.040 AC.±
- AREA OF STEEP SLOPES (>25%)= 697 SQ. FT.± OR 0.016 AC.±
- AREA OF HIGHLY ERODIBLE SOILS= NONE
- AREA OF WETLANDS/BUFFER= NONE
- AREA OF 100 YEAR FLOOD PLAIN= NONE
- AREA OF FOREST= NONE
- AREA OF EXISTING IMPERVIOUS= 910 SQ.FT.±
- AREA OF PROPOSED IMPERVIOUS= 3312 SQ.FT.± (0.076 AC.±)
- PROPOSED IMPERVIOUS BREAKDOWN
PROPOSED HOUSE = 2317 SQ.FT.± (INCLUDES COVERED PORCH)
PROPOSED DRIVEWAY = 910 SQ.FT.±
PROPOSED SIDEWALK = 85 SQ. FT.±
- TOTAL NET IMPERVIOUS AREA = 2402 SQ. FT.± (0.055 AC.±)
- PERCENT IMPERVIOUS = 12%
- TOTAL AREA OF DISTURBANCE= 8783 SQ. FT.±
- TOTAL AREA OF TREE REMOVAL= NONE
- WATERSHED= 02131108 (PATAPSCO RIVER)

ADDRESS CHART

LOT PARCEL #	STREET ADDRESS
27	8233 CHURCH LANE ROAD

PERMIT INFORMATION CHART

SUBDIVISION NAME	SECTION/AREA	LOT/PARCEL NO.
CHESTNUT HILL ESTATE	N/A	LOT-27

PLAT # OR LIF	GRID #	ZONING	TAX MAP NO.	ELECTION DISTRICT	CENSUS TRACT
23117	13	R-20	18	2ND	602800

WATER CODE	SEWER CODE
0070	0070

SOILS TABLE

MAP UNIT SYMBOL	MAP UNIT NAME	K FACTOR RATING	HYDROLOGIC GROUP	HIGHLY ERODIBLE	HYDRIC
GhB	GLENELG L JAM, 3 TO 8 PERCENT SLOPES	0.20	B	NO	NO
GhC	GLENELG URBAN LAND COMPLEX, 8 TO 15 PERCENT SLOPES	0.20	B	NO	NO
GuB	GLENELG URBAN LAND URBAN THENTS COMPLEX, 0 TO 8 PERCENT SLOPES	0.43	C	YES	NO

LEGEND

LIMIT OF DISTURBANCE	CONCRETE SIDEWALK	UTILITY POLE	FIRE HYDRANT	WATER METER	SEWER MAN HOLE	N-2 NON-ROOFTOP DISCONNECT 9" GRASS STRIP GRADED AT LESS THAN 5% SLOPE	PAVING TO BE REMOVED, TOPSOILED, SEEDED & MULCHED.	STEEP SLOPES >25% SLOPES	MODERATE SLOPES 15%-24.9% SLOPES
---	▬	○	⊕	⊙	⊙	▨	▨	▨	▨

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 RTF ASSOCIATES DATED SEPTEMBER 2014 AND SUPPLEMENTED WITH COUNTY GIS DATA. THE COORDINATES SHOWN HEREON ARE BASED UPON THE HOWARD COUNTY GEODETIC CONTROL, WHICH IS BASED UPON THE MARYLAND STATE PLANE COORDINATE SYSTEM. HOWARD COUNTY MONUMENTS "17 FB" AND "18 DA" WERE USED FOR THIS PROJECT.
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- ADC MAP 21-C-4
- PREVIOUS COUNTY FILE NUMBER = F-15-035, ECP-15-079
- BRL = BUILDING RESTRICTION LINE
- FIELD VERIFICATION OF SITE CONDITIONS AND NATURAL RESOURCES MAP WAS PERFORMED SEPTEMBER 2014 BY RTF ASSOCIATES, INC.
- ALL AREAS SHOWN HEREON ARE MORE OR LESS.
- GRAVITY SEWER SERVICE WILL NOT BE AVAILABLE FOR BASEMENT. EJECTOR PUMP WILL BE REQUIRED FOR BASEMENT SEWER SERVICE.
- THE SUBJECT PROPERTY IS ZONED R-20 PER THE 106/13 COMPREHENSIVE ZONING PLAN. DRIVEWAYS 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' (16' SERVING MORE THAN ONE RESIDENCE)
SURFACE - 6" OF COMPACTED CRUSHER RUN BASE WITH TAR AND CHIP COATING (1-1/2" MIN) GEOMETRY - MAX. 15% GRADE, MAX 10% GRADE CHANGE AND MIN. 45' TURNING RADIUS
STRUCTURE (CULVERS/BRIDGES) - CAPABLE OF SUPPORTING 25 GROSS TONS (H25 LOADING)
DRAINAGE ELEMENTS - SAFELY PASSING 100-YEAR FLOOD WITH NO MORE THAN 1 FOOT DEPTH OVER DRIVEWAY SURFACE
MAINTENANCE - SUFFICIENT TO INSURE ALL-WEATHER USE
- THE LOT/PARCEL IS EXEMPT FROM SECTION 15-1200 OF THE HOWARD COUNTY CODE FOR FOREST CONSERVATION SINCE THE EXISTING LOT IS LESS THAN 40,000 S.F. IN SIZE.
- THE PROPERTY SHOWN HEREON IS LOCATED WITHIN THE METROPOLITAN DISTRICT WHERE THE PROPOSED HOUSE WILL BE SERVED BY PUBLIC WATER AND SEWER.
- IN ACCORDANCE WITH SECTION 128.0 OF THE HOWARD COUNTY ZONING REGULATIONS, BAY WINDOWS, CHIMNEYS OR EXTERIOR STAIRWAYS NOT MORE THAN 16 FEET IN WIDTH MAY PROJECT NOT MORE THAN 10 FEET INTO ANY SETBACKS, PORCHES OR DECKS, OPEN OR ENCLOSED MAY PROJECT NOT MORE THAN 10 FEET INTO THE FRONT OR REAR YARD SETBACKS.
- NO CEMETRIES OR HISTORIC SITES ARE LOCATED ON THIS PROPERTY
- THERE ARE NO WETLANDS, WETLAND BUFFERS, STREAMS OR STREAM BUFFERS ON SITE.
- EXISTING TREES ON SITE TO REMAIN
- LANDSCAPING IS NOT REQUIRED SINCE THIS IS AN INTERNAL LOT OF THE SUBDIVISION.

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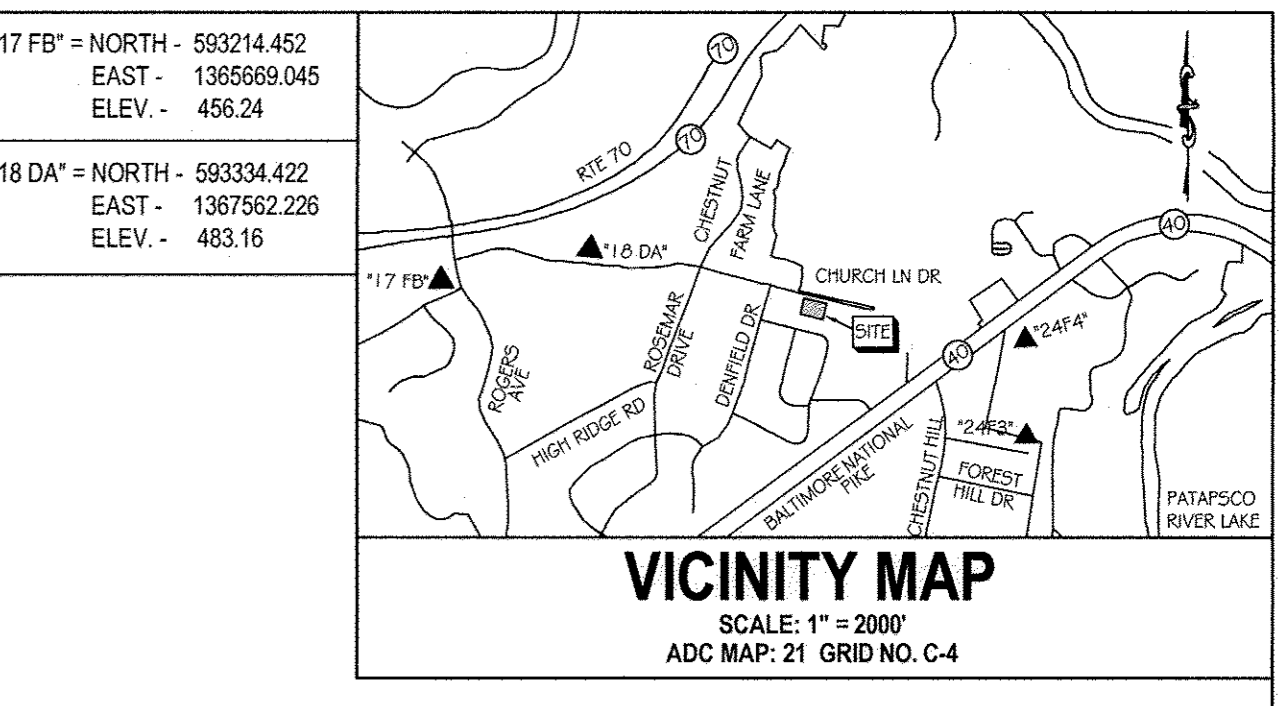
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CHIEF, DIVISION OF LAND DEVELOPMENT DATE

Nancy J. Ellis 4-15-16
DIRECTOR DATE

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