

GENERAL NOTES:

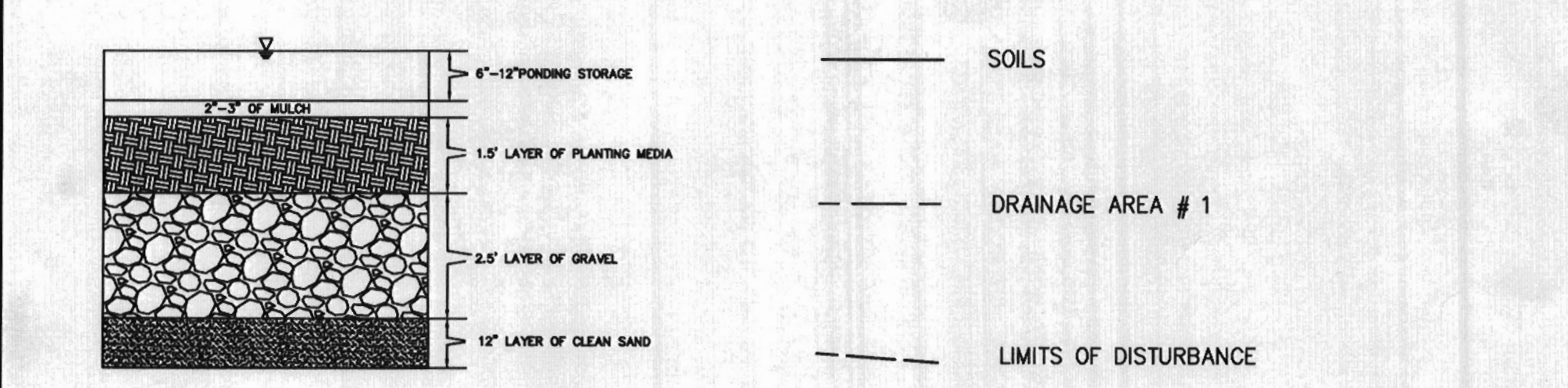
1. THE LOT SHOWN HEREON WAS RECORDED ON MAY 2, 2008 AS PLAT NUMBER 27165. REFER TO THIS PLAT FOR DIMENSIONS, LOT AREA, ALL EASEMENTS AND BUILDING RESTRICTIONS.
2. THIS AREA DESIGNATED A PRIVATE SEWAGE FACILITY OF AT LEAST 1500 SQ. FT. AS REQUIRED BY THE STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. INDIVIDUALS OF ANY NATURE IN THIS AREA IS RESTRICTED UNTIL PUBLIC SEWER IS AVAILABLE. THIS FACILITY SHALL BECOME FULL AND VOID UPON CONNECTION TO A PUBLIC SEWAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE FACILITY. ANY CHANGES TO A PRIVATE SEWAGE FACILITY SHALL BE MADE IN ACCORDANCE WITH THE RECORD PLAT BEING GENERAL NOTES ITEM 2.
3. EXACT LENGTH OF SEPTIC TRENCHES ARE TO BE DETERMINED BY THE HEALTH DEPARTMENT INSPECTION.
4. 300L FROM THE TRENCHING OF THE SEPTIC AREA IS TO BE PLACED ON THE UPPER SIDE OF THE EXCAVATION FOR EACH INDIVIDUAL LOT.
5. SEWAGE AND EROSION CONTROLS WERE APPROVED BY THE HEALTH DEPARTMENT DISTRICT UNDER 7-20-2004 AND SHALL COMPLY WITH THE 1998 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEWAGE CONTROL.
6. STORMWATER MANAGEMENT FOR THIS LOT AS SHOWN.
7. THE EXISTING WELL (TAG NO. HD-95-2180 SHOWN ON THIS PLAN HAS BEEN FIELD LOCATED BY CSR CONSULTANTS, INC. AND IS ACCURATELY SHOWN.

WELL AND SEPTIC NOTES:

TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF, THE FOLLOWING STATEMENTS ARE TRUE:

- 1) ALL EXISTING WELLS, SEPTIC SYSTEMS AND SEWAGE DISPOSAL FACILITIES WITHIN THE PROPERTY BOUNDARIES HAVE BEEN SHOWN. ALL EXISTING AND PROPOSED WELLS ARE LOCATED WITHIN 300 FEET COMBINATION OF ANY EXISTING OR PROPOSED SEPTIC SYSTEMS AND SEWAGE DISPOSAL FACILITIES HAVE BEEN SHOWN. THE ENGINEER HAS USED ALL EFFORTS TO FIND THE LOCATIONS OF ALL SURROUNDING WELLS AND SEPTIC SYSTEMS.
- 2) THE LOT SHOWN HEREON COMPLES WITH THE MINIMUM OWNERSHIP WIDTHS AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT AS SHOWN ON THE RECORD PLAT BEING GENERAL NOTES ITEM 2.
- 3) ANY CHANGES TO A PRIVATE SEWAGE FACILITY SHALL BE MADE IN ACCORDANCE WITH THE RECORD PLAT BEING GENERAL NOTES ITEM 2.

THE SOIL TYPE FOR THIS LOT IS GmB/Cg AND GgC.



TITLE INFORMATION (MM):
 WALSHOT BRACKET
 ADD: 1" TO HEIGHT OF BASEMENT
 CONSTRUCTION DATE
 PLANNING AREA EISE
 PALLADIUM KITCHEN
 GREENHOUSE WITH PATIO DOOR

OPTION No. 017
 OPTION No. 070
 OPTION No. 030
 OPTION No. 020
 OPTION No. 032
 OPTION No. 033

ADDRESS
 14900 MERIWETHER DRIVE
 GLENELG MD

SOIL CONSTRUCTION AND MAINTENANCE NOTES:

- 1) FINAL GRADING FOR LANDSCAPE INFILTRATION SHOULD NOT TAKE PLACE UNTIL SURROUNDING SITE IS STABILIZED.
- 2) SUB SOIL SHALL NOT BE COMPACTED. EXCAVATION SHOULD BE CONDUCTED IN DRY CONDITIONS WITH EQUIPMENT LOCATED OUTSIDE OF THE PRACTICE TO MINIMIZE BOTTOM AND SIDEWALL CONTACT.
- 3) SEE APPENDIX B.4 OF THE MARYLAND STORMWATER MANAGEMENT DESIGN MANUAL FOR SOIL, GRAVEL AND PLANTING MEDIA.
- 4) INSPECTION SHALL BE MADE AT THE FOLLOWING STAGES:
 DURING EXCAVATION TO SUBGRADE
 DURING PLACEMENT OF BACKFILL
 DURING CONSTRUCTION TO APPROPRIATE COVERAGE STRUCTURE
 UPON COMPLETION OF FINAL GRADING AND ESTABLISHMENT OF PERMANENT STABILIZATION
- 5) PRIVATELY OWNED PRACTICES SHALL HAVE A MAINTENANCE AGREEMENT WHICH SHALL BE PROTECTED BY ENFORCEABLE RESTRICTION, ORDINANCE OR OTHER LEGAL MEASURES PREVENTING ITS VIOLATION, ADVERSE ALTERATIONS, AND REMOVAL.
- 6) DURING FIRST YEAR OF OPERATION, INSPECTION FREQUENCY SHOULD BE ESTABLISHED AS RECOMMENDED.
- 7) THE TOP FEW INCHES OF THE PLANTING MEDIA SHOULD BE REMOVED AND REPLACED WHEN WATER PORES FOR MORE THAN 48 HOURS OF THESE 5 INCHES GROWN ON THE SURFACE OF THE FACILITY.
- 8) IF STANDING WATER PERSISTS AFTER 1 YEAR MEDIA HAS BEEN MAINTAINED, THE GRAVEL AND SAND MAY NEED TO BE CLEANED AND/OR REPLACED.
- 9) OCCASIONAL PRUNING AND REPLACEMENT OF DEAD VEGETATION IS NECESSARY. IF DEEP PLANTS ARE NOT SURVIVING, MORE APPROPRIATE SPECIES SHOULD BE USED. MATINGS MAY BE REQUIRED DURING PROLONGED DRY PERIODS.

SM COMPUTATIONS

DRAINAGE AREA #1
 PURPOSE: TO TREAT DRIVEWAY RUNOFF AND ROOF TOP RUNOFF
 METHOD:
 SHEET FLOW TO LANDSCAPE INFILTRATION STRUCTURE
 DRAINAGE AREA = 3332 sq. ft.
 SOIL TYPE = B
 IMPERVIOUS AREA = 533 sq. ft.
 PERCENT IMPERVIOUS COVER = 15%

LANDSCAPE INFILTRATION:
 PROVIDE 500 SQ. FT. SURFACE AREA 4" DEEP AS SHOWN ON PLAN TO CAPTURE AND TREAT RUNOFF FROM IMPERVIOUS AREA.

COMPUTATIONS
 $P_{in} = 1.2"$ FROM TABLE 5.3 CHAPTER 5 MDC MANUAL
 $P_{in} = 1.2" \times 3332 \text{ sq. ft.} = 4000 \text{ gal.}$
 $Q_{in} = P_{in} \times A_{in} = 1.2" \times 3332 \text{ sq. ft.} = 4000 \text{ gal.}$
 $Q_{out} = P_{in} \times A_{in} = 1.2" \times 3332 \text{ sq. ft.} = 4000 \text{ gal.}$

LANDSCAPE INFILTRATION SURFACE AREA = 425' x 10' = 4250 sq. ft.
 4000 gal. < 4250 sq. ft. x 1.0" = 4250 gal. THEREFORE ESD TO THE MDP IS MET.



APPROVED FOR HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING

CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

DIRECTOR DATE

APPROVED FOR PRIVATE WELLS & PRIVATE SEWAGE SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT

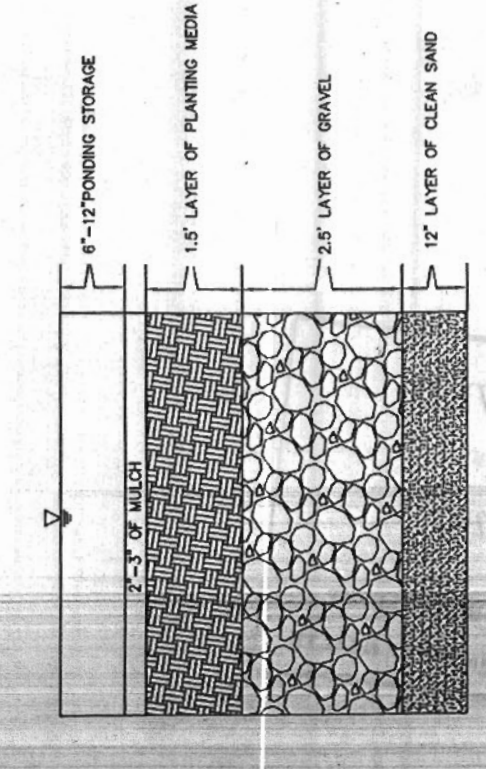
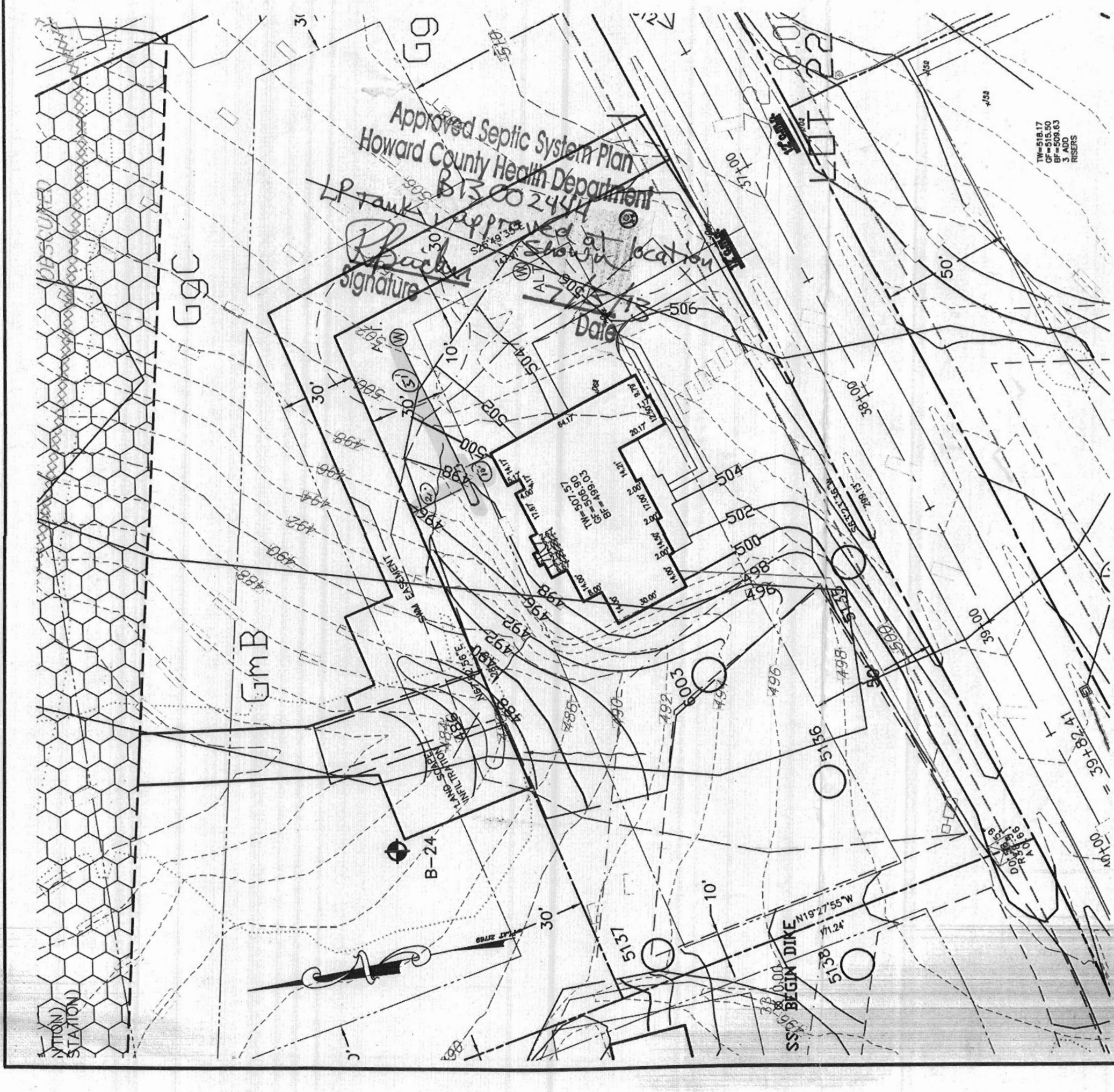
COUNTY HEALTH OFFICER DATE

PLOT PLAN & SWM PLAN
 LOT #30
MERIWETHER FARMS
 LIBER 12124, FOLIO 0120
 PLAT No. 21765
 FOURTH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

ESE Land Planning
 Engineering
 Land Surveying

ESE Consultants Inc.
 7164 Columbia Gateway Dr.
 Suite 203
 Columbia, MD 21046
 TEL: 410-872-5056
 FAX: 410-872-4670

DATE: 07/21/13 SCALE: 1"=40' FILE: 1st 30 pp
 CHKD: MJB JCB: JMB DRAWN: MJB



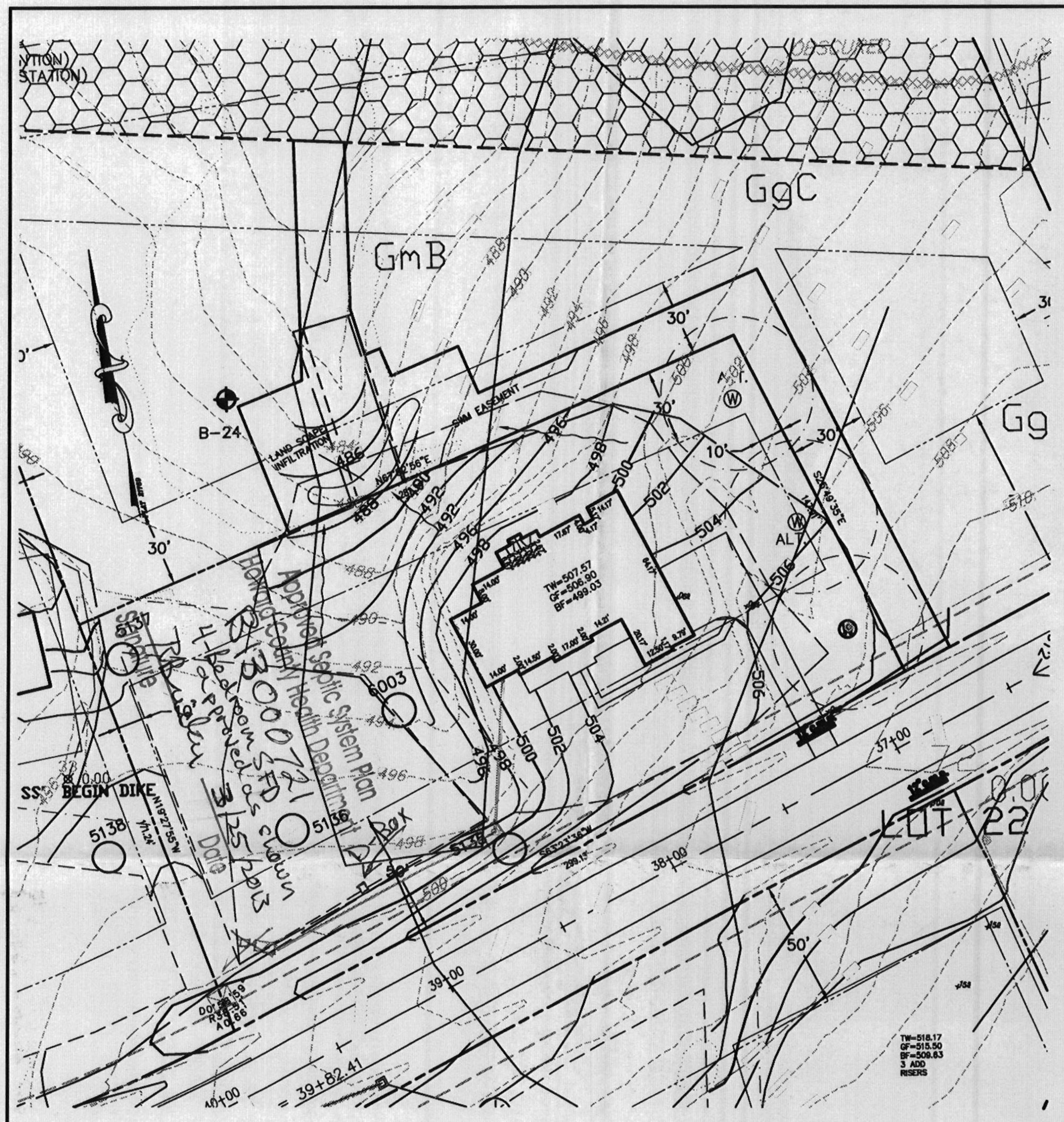
12' LAYER OF LEACH FIELD
 12' LAYER OF LEACH FIELD
 12' LAYER OF LEACH FIELD
 10' x 10' SEPTIC TANK
 12' x 10' DISTRIBUTION BOX

Lot 30
 Scale 1"=40'

ADDRESS
 14800 WESMETHER DRIVE
 GREENBELT, MD 20814

SOILS
 DRAINAGE AREA # 1
 LIMITS OF DISTURBANCE

Approved Septic System Plan
 Howard County Health Department
 B13 20 244
 10/11/2011
 L.P. Faulkner



GENERAL NOTES:

1. THE LOT SHOWN HEREON WAS RECORDED ON MAY 2, 2008 AS PLAT NUMBER 21765. NOTES TO THIS PLAT FOR LOT DIMENSIONS, LOT AREA, ALL EASEMENTS AND BUILDING RESTRICTIONS.
2. THIS AREA DESIGNATES A PRIVATE SEWAGE DISPOSAL OF AT LEAST 15,000 GPD AS REQUIRED BY THE STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA IS RESTRICTED UNLESS PUBLIC REVIEW IS AVAILABLE. THIS EASEMENT SHALL REMAIN NULL AND VOID UPON CONNECTION TO A PUBLIC SEWAGE SYSTEM. THE COUNTY HEALTH OFFICE SHALL HAVE THE AUTHORITY TO MAKE ADJUSTMENTS TO THE PRIVATE SEWAGE DISPOSAL. ANY CHANGES TO A PRIVATE SEWAGE DISPOSAL SHALL REQUIRE A REVISION CERTIFICATION PLAN. REVISION OF A REVISION CERTIFICATION PLAN SHALL NOT BE NECESSARY.
3. EXIST LENGTH OF SEPTIC TRENCHES ARE APPROVED BY THE HEALTH DEPARTMENT AS TO THE DEPTH OF PRECONSTRUCTION INSPECTION.
4. SPILL FROM THE TRENCHING OF THE SEPTIC AREA IS TO BE PLACED ON THE UPRILL SIDE OF THE EXCAVATION FOR EACH INDIVIDUAL LOT.
5. SEEDING AND EROSION CONTROLS SHALL BE APPROVED BY THE HEALTH DEPARTMENT DISTRICT UNDER F-20-04 AND SHALL COMPLY WITH THE STATE MARIANO STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
6. STORMWATER MANAGEMENT FOR THIS LOT AS SHOWN.
7. THE EXISTING WELL (TAG NO. HO-95-239) SHOWN ON THIS PLAN HAS BEEN FIELD LOCATED BY ESE CONSULTANTS, INC. AND IS ACCURATELY SHOWN.

WELL AND SEPTIC NOTES:

TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF, THE FOLLOWING STATEMENTS ARE TRUE:

- 1) ALL EXISTING WELLS, SEPTIC SYSTEMS AND SEWAGE DISPOSAL EASEMENTS WITHIN LOT OF THE PROPERTY BOUNDARIES HAVE BEEN SHOWN. ALL EXISTING AND PROPOSED WELLS SHALL BE LOCATED WITHIN THE PROPERTY BOUNDARIES. ANY PROPOSED SEPTIC SYSTEM AND SEWAGE DISPOSAL EASEMENTS HAVE BEEN SHOWN. THE ENGINEER HAS BEEN ALL EFFORTS TO FIND THE LOCATIONS OF ALL EXISTING WELLS AND SEPTIC SYSTEMS.
- 2) THE LOT SHOWN HEREON COMPLES WITH THE MINIMUM OWNERSHIP NOTES AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT AS SHOWN ON THE RECORDED PLAT 21765 GENERAL NOTES ITEM 2.
- 3) ANY CHANGES TO A PRIVATE SEWAGE DISPOSAL SHALL REQUIRE A REVISION CERTIFICATION PLAN.

THE QUALITY FOR THIS LOT IS GmB/C AND GgC.

SOIL CONSTRUCTION AND MAINTENANCE NOTES:

- 1) FINAL GRADING FOR LANDSCAPE INFILTRATION SHOULD NOT TAKE PLACE UNTIL SURROUNDING SITE IS STABILIZED.
- 2) SUB SOIL SHALL NOT BE COMPACTED. EXCAVATION SHOULD BE CONDUCTED IN DRY CONDITIONS WITH EQUIPMENT LOCATED OUTSIDE OF THE PRACTICE TO MINIMIZE BOTTOM AND SIDEWALL COMPACTION.
- 3) SEE APPENDIX B.4 OF THE MARYLAND STORMWATER MANAGEMENT DESIGN MANUAL FOR SOIL, GRAVEL, AND PLANTING MEDIA.
- 4) INSPECTION SHALL BE MADE AT THE FOLLOWING STAGES:
DURING EXCAVATION TO SUBGRADE
DURING PLACEMENT OF BENCHWELL
DURING CONSTRUCTION OF SUBGRADE
UPON COMPLETION OF FINAL GRADING AND ESTABLISHMENT OF PERMANENT STABILIZATION
- 5) PRIVATELY OWNED PRACTICES SHALL HAVE A MAINTENANCE AGREEMENT AND SHALL BE PROTECTED BY EASEMENTED RESTRICTION, ORDINANCE OR OTHER LEGAL MEASURES PREVENTING ITS NEGLECT, ADVERSE ALTERATIONS, AND REMOVAL.
- 6) DURING FIRST YEAR OF OPERATION, INSPECTION FREQUENCY SHOULD BE AFTER EVERY MAJOR STORM AND PRIORITY ESTABLISHED AREAS REVEGETATED.
- 7) SEWAGE ACCUMULATION ON THE SURFACE OF THE FACILITY SHOULD BE REMOVED AND THE TOP TWO TO THREE INCHES OF SURFACE LAYER REPLACED AS NEEDED.
- 8) THE TOP FEW INCHES OF THE PLANTING SOIL SHOULD BE REMOVED AND REPLACED WHEN WATER PONDING FOR MORE THAN 48 HOURS OR THERE IS ALGAL GROWTH ON THE SURFACE OF THE FACILITY.
- 9) IF STANDING WATER PERSISTES AFTER FILLER MEDIA HAS BEEN MAINTAINED, THE GRAVEL/SAND AND SAND MAY NEED TO BE CLEANED AND/OR REPLACED.
- 10) OCCASIONAL PLANTING AND REPLACEMENT OF GRAVE VEGETATION IS NECESSARY IF SPECIFIC PLANTS ARE NOT SURVIVING. MORE APPROPRIATE SPECIES SHOULD BE USED. WATERING MAY BE REQUIRED DURING PROLONGED DRY PERIODS.

SWM COMPUTATIONS

DRAINAGE AREA #1

PURPOSE: TO TREAT DRIVEWAY RUNOFF AND ROOF TOP RUNOFF

SETBACKS:

SHRUB FLOW TO LANDSCAPE INFILTRATION STRUCTURE
DRAINAGE AREA= 20.522 sq ft
SOIL TYPE: B
IMPERVIOUS AREA= 0.000 sq ft
PERCENT IMPERVIOUS COVER= 18%

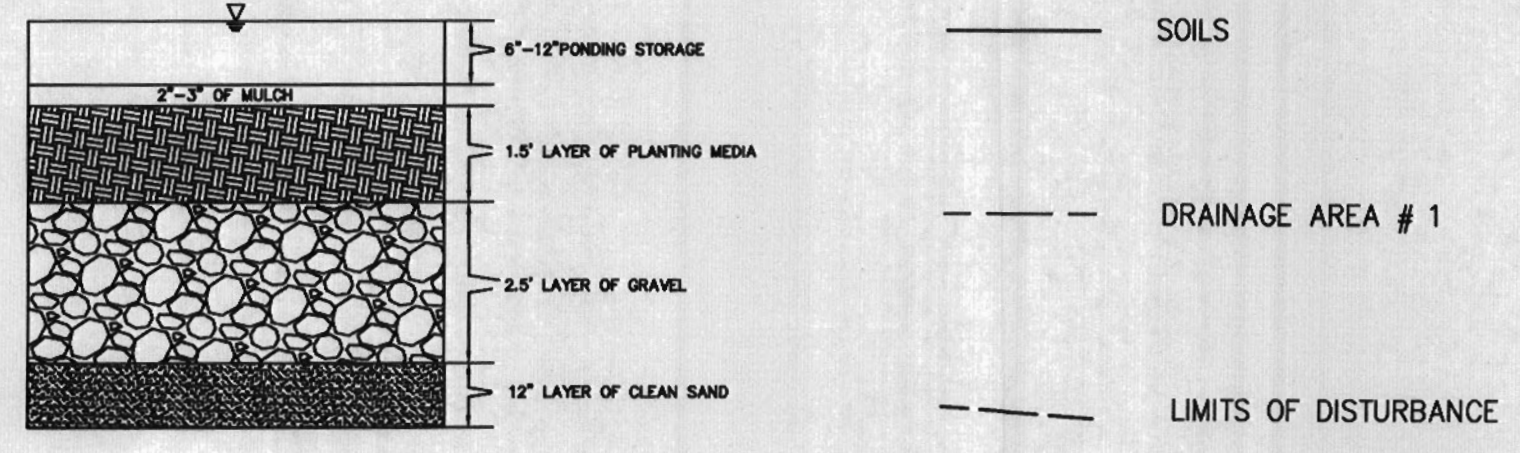
LANDSCAPE INFILTRATION:
PROVIDE 425 SQ FT SURFACE AREA 4" DEEP AS SHOWN ON PLAN TO CAPTURE AND TREAT RUNOFF FROM IMPERVIOUS AREA.

COMPUTATIONS:
P= 1.2 FROM TABLE 5.3 CHAPTER 5 MDC MANUAL
R= 0.50 + 0.000 = 0.50
Q= P x R = 1.2 x 0.50 = 0.60
E= P x R x A x 0.75 = 1.2 x 0.50 x 20.522 x 0.75 = 9.876

LANDSCAPE INFILTRATION SURFACE AREA= 425 SQ FT
DEPTH= 4"

425 SQ FT x 4" = 1700 cu ft

425 SQ FT IS GREATER THAN THE REQUIRED 470.6 OF THEREFORE ESD TO THE MEP IS MET.



TYPE LUMPION MANHOLE:
WELLSHED BACKSET
ADD: 1" TO HEIGHT OF BASEMENT
CONCRETE WELLSHED
PLATFORM ABOVE ELITE
MULLIGAN WELLSHED
GREENWOOD WITH PATIO DOOR

OPTION No. 017
OPTION No. 010
OPTION No. 028
OPTION No. 300
OPTION No. 332
OPTION No. 533

ADDRESS
14900 MERIWETHER DRIVE
GREENBELT MD



BY: MUSE 401.5
GROUND # RV. # HOUSE 505.5
495.5
BY: OUT TANK 495.2
497.2
GROUND OVER TANK 495.5
BY: OUT SEPT. BOX 495.5
GROUND # BOX 495.5

APPROVED:
FOR PRIVATE WATER & PRIVATE SEWAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT
COUNTY HEALTH OFFICER

APPROVED: FOR HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING

CHIEF, DEVELOPMENT ENGINEERING DIVISION

DIRECTOR

PLAT PLAN & SWM PLAN
LOT #30
MERIWETHER FARMS
LIBER 12124, FOLIO 0120
PLAT No. 21765
FOURTH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

ESE Land Planning
Engineering
Land Surveying

ESE Consultants Inc.
7164 Columbia Gateway Dr.
Suite 203
Columbia, MD 21046
TEL: 410-872-9145
FAX: 410-872-4670

DATE: 01/29/2015 SCALE: 1"=40' FILE: 161_30.rvt
CHK'D: M.B. JOB#: 3164 DRAWN: M.B.