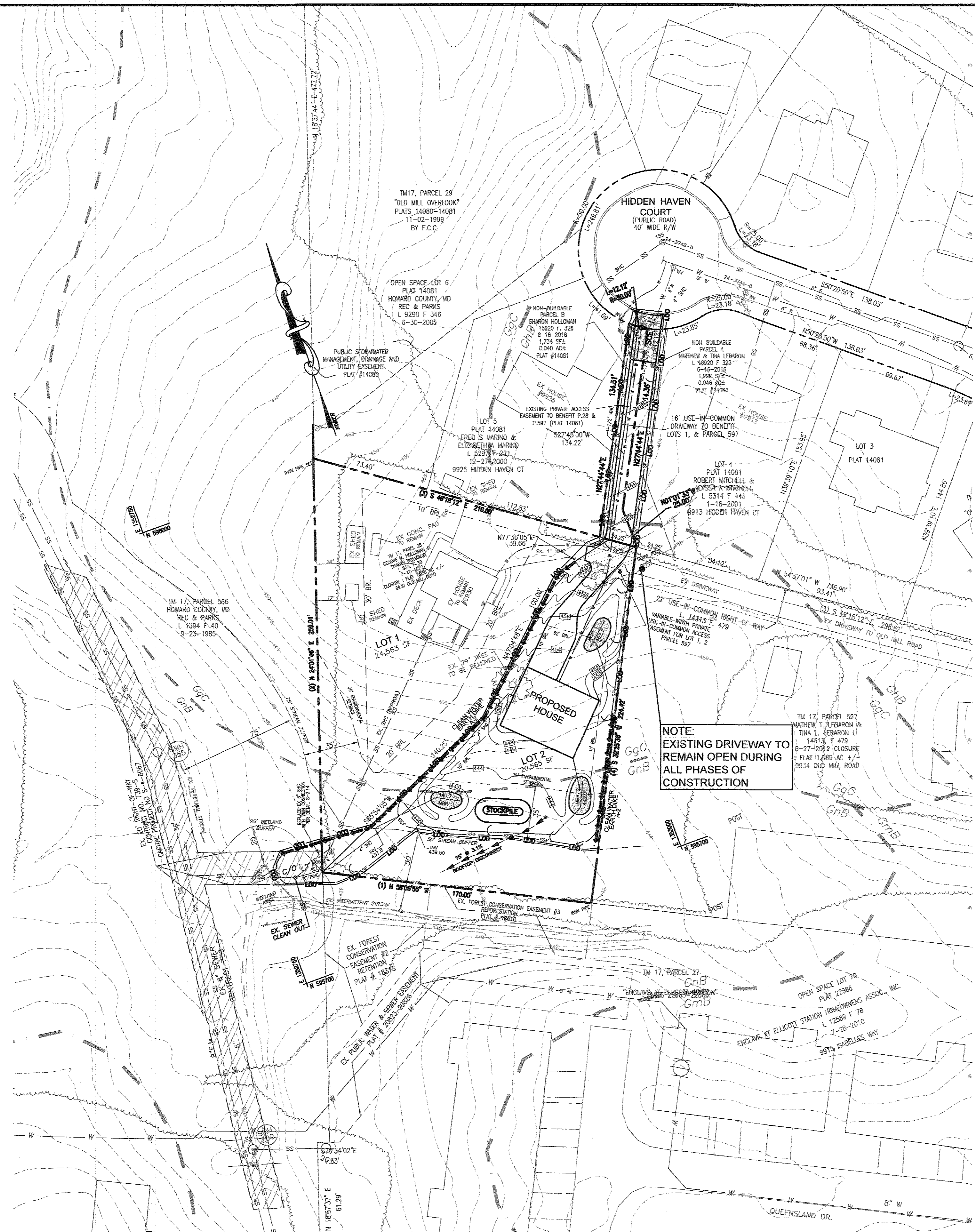


NOTE:
 - SILT FENCE IS TO BE REPLACED WITH SUPER SILT FENCE AT THE DIRECTION OF THE SEDIMENT CONTROL INSPECTOR.
 - SILT FENCE SHALL BE CURLED UPHILL NO MORE THAN 35 FEET APART
 - DOUBLE ROWS OF SUPER SILT FENCE SHALL BE INSTALLED AT THE DIRECTION OF THE SEDIMENT CONTROL INSPECTOR.



SITE LAYOUT CONCEPT GRADING, SOIL EROSION AND SEDIMENT CONTROL PLAN
 SCALE: 1"=40'

EROSION AND SEDIMENT CONTROL NOTES:

1. EITHER PERMANENT OR TEMPORARY STABILIZATION IS TO BE APPLIED AT THE DIRECTION OF THE SEDIMENT CONTROL INSPECTOR REGARDLESS OF DAYS/DATES IN THE STANDARD SEDIMENT CONTROL NOTES AND/OR SEEDING SPECIFICATIONS.
2. AT NO TIME DURING CONSTRUCTION WILL FENCING BE ALLOWED TO INTERCEPT CONCENTRATED FLOWS
3. A DOUBLE ROW OF SSF MAY BE REQUIRED IN THE PROXIMITY OF THE ENVIRONMENTAL AREAS
4. SOILS ONSITE ARE WOULD BE CONSIDERED HIGHLY ERODIBLE BY THE HOWARD SOIL CONSERVATION DISTRICT. MORE STRINGENT SEEDING AND STABILIZATION METHODS MAY BE EXPECTED AT SITE DEVELOPMENT STAGE

LEGEND

| | | | |
|-----|---------------------------|------|----------------------------------|
| --- | EXISTING CONTOUR | M1B2 | SOILS BOUNDARY |
| --- | PROPOSED CONTOUR | M1D3 | EXISTING TREETLINE |
| --- | EXISTING CURB AND GUTTER | --- | SILT FENCE |
| --- | EXISTING UTILITY POLE | --- | SUPER SILT FENCE |
| --- | EXISTING MAILBOX | --- | LIMIT OF DISTURBANCE |
| --- | EXISTING SIGN | --- | STABILIZED CONSTRUCTION ENTRANCE |
| --- | EXISTING SANITARY MANHOLE | --- | MICRO-BIORETENTION FACILITY |
| --- | EXISTING SANITARY LINE | --- | PROPOSED WATER HOUSE CONNECTION |
| --- | EXISTING CLEANOUT | --- | PROPOSED SEWER HOUSE CONNECTION |
| --- | EXISTING FIRE HYDRANT | --- | |
| --- | EXISTING WATER LINE | --- | |
| --- | EXISTING FENCE | --- | |
| --- | PROPERTY LINE | --- | |
| --- | RIGHT-OF-WAY LINE | --- | |

UTILITY NOTES:

1. ALL WATER CONNECTIONS SHALL BE 1-1/2" WITH 1" OUTSIDE METER SETTINGS, UNLESS OTHERWISE NOTED. REFER TO HOWARD COUNTY DETAILS W-3.28 OUTSIDE METER SETTINGS.

MAPPED SOILS TYPES - ELLICOTT CITY SW #13

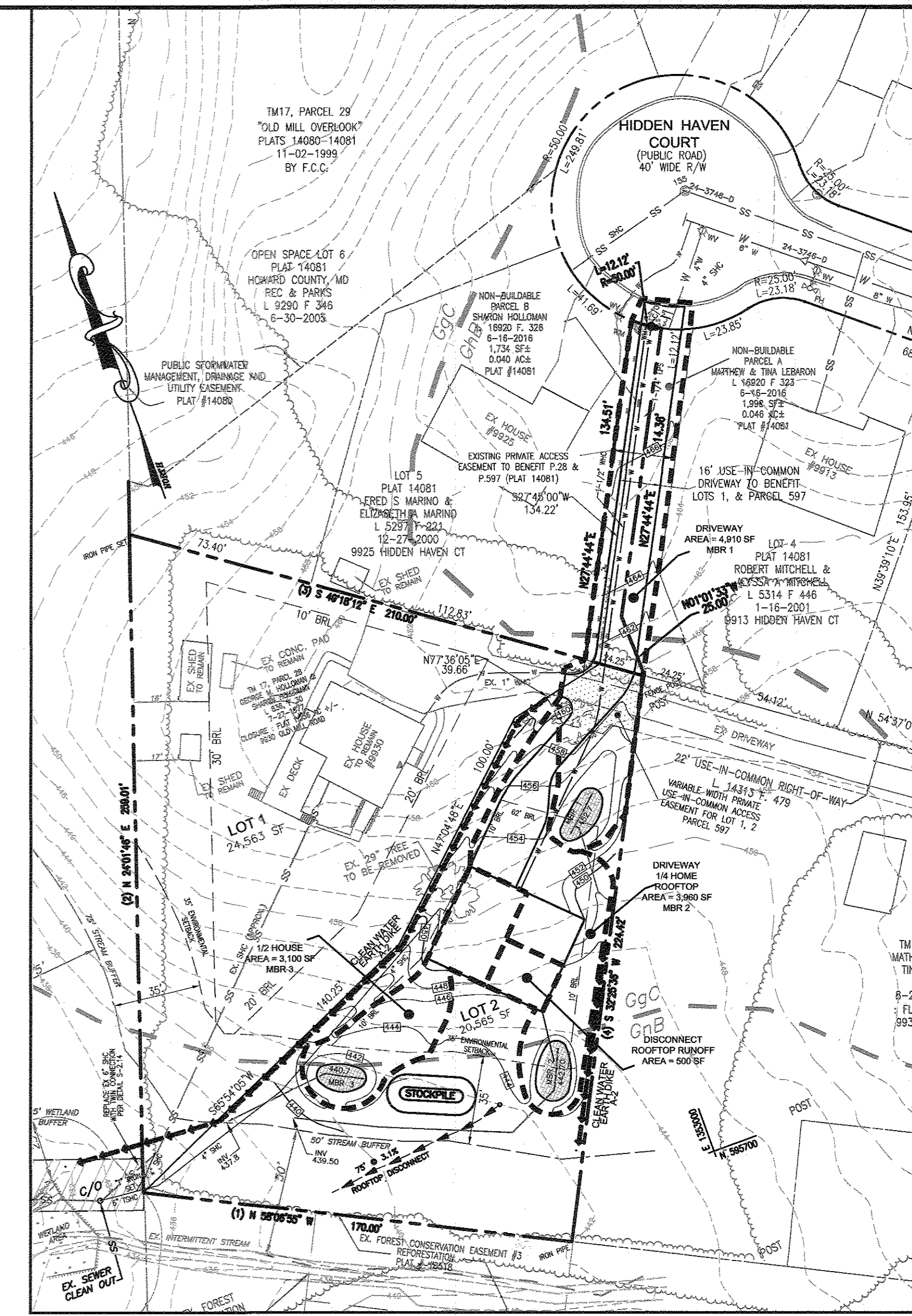
| SYMBOL | NAME / DESCRIPTION | GROUP | HYDRIC | PERCENT SAND | Kw FACTOR | PERCENT CLAY | PERCENT SILT | PERCENT ORGANIC | PERCENT ROCK | PERCENT COBBLES |
|--------|---|-------|--------|--------------|-----------|--------------|--------------|-----------------|--------------|-----------------|
| S1C | GLENNLE LOAM, 8 TO 15 PERCENT SLOPES | B | NO | NO | 0.20 | NO | NO | NO | NO | NO |
| GnB | GLENNLE-URBAN LAND COMPLEX, 6 TO 8 PERCENT SLOPES | B | NO | NO | 0.20 | NO | NO | NO | NO | NO |
| GnB | GLENNLE SILT LOAM, 3 TO 8 PERCENT SLOPES | C | YES | NO | 0.37 | NO | NO | NO | NO | NO |
| GnB | GLENNLE-SANDY SILT LOAM, 9 TO 8 PERCENT SLOPES | C | YES | NO | 0.43 | NO | NO | NO | NO | NO |

TAKEN FROM: USDA, SCS-WEB SOIL SURVEY, HOWARD COUNTY
 NOTE: HIGHLY ERODIBLE SOILS ARE THOSE SOILS WITH A SLOPE GREATER THAN 15 PERCENT OR THOSE SOILS WITH A SOIL ERODIBILITY FACTOR K GREATER THAN 0.35 AND WITH A SLOPE GREATER THAN 5 PERCENT

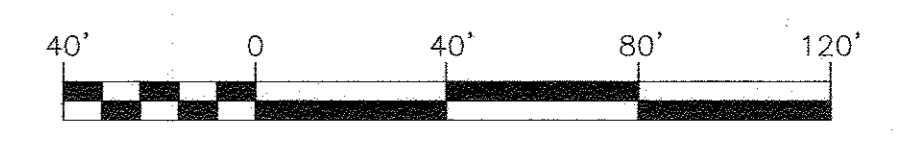
APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

Robert H. Vogel
 CHIEF, DEVELOPMENT ENGINEERING DIVISION
 DATE: 2-27-17

W. J. ...
 CHIEF, DIVISION OF LAND DEVELOPMENT
 DATE: 2-22-17



STORMWATER MANAGEMENT DRAINAGE AREA MAP
 SCALE: 1"=40'



OWNER/DEVELOPER
 GEORGE & SHARON HOLLOWAN
 9930 OLD MILL ROAD
 ELLICOTT CITY, MD 21042
 410-340-5773

| NO. | REVISION | DATE |
|-----|----------|------|
| | | |

ENVIRONMENTAL CONCEPT PLAN

HOLLOWAN PROPERTY LOT 1 & 2

9930 OLD MILL ROAD, ELLICOTT CITY, MD
 2ND ELECTION DISTRICT
 ZONED: R-30
 HOWARD COUNTY, MARYLAND

ROBERT H. VOGEL ENGINEERING, INC.
 ENGINEERS • SURVEYORS • PLANNERS
 8407 MAIN STREET ELLICOTT CITY, MD 21043
 TEL: 410.461.7666 FAX: 410.461.8961

DESIGN BY: RVE
 DRAWN BY: MDL
 CHECKED BY: RHY
 DATE: JANUARY 2017
 SCALE: AS SHOWN
 W.O. NO.: 16-16

PROFESSIONAL CERTIFICATE
 I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 16193, EXPIRATION DATE: 09-27-2018

2 SHEET OF 2