

| SHEET INDEX |   |
|-------------|---|
| SHEET NO.   | DESCRIPTION   |
| 1           | TITLE SHEET   |
| 2           | EXISTING CONDITIONS, SOILS & DEMOLITION PLAN  |
| 3           | ENVIRONMENTAL CONCEPT PLAN  |
| 4           | PRELIMINARY EROSION/SEDIMENT CONTROL PLAN AND STORMWATER MANAGEMENT NOTES AND DETAILS |

| SOILS LEGEND |   |       |          |
|--------------|---|-------|----------|
| SOIL         | NAME  | CLASS | K' VALUE |
| GgB          | Glenelg loam, 3 to 8 percent slopes               | B     | .32      |
| GnB          | Glenville-Baile silt loams, 0 to 8 percent slopes | C     | .32      |

# ENVIRONMENTAL CONCEPT PLAN

## 6106 THOMPSON DRIVE

### LOT 8

### R-12 ZONING DISTRICT

### TAX MAP No. 34 GRID No. 12 PARCEL NO. 217

### 5TH ELECTION DISTRICT

### HOWARD COUNTY, MARYLAND

#### GENERAL NOTES

- THE SUBJECT PROPERTY IS ZONED R-12 (PER 10/06/13 COMPREHENSIVE ZONING PLAN).
- BOUNDARY IS BASED ON A FIELD RUN SURVEY PERFORMED BY FISHER, COLLINS & CARTER ON OR ABOUT JUNE, 2021.
- CONTOURS ARE BASED ON A TOPOGRAPHIC FIELD RUN SURVEY PERFORMED BY FISHER, COLLINS AND CARTER, ON OR ABOUT JUNE, 2021.
- COORDINATES BASED ON NAD83 MARYLAND COORDINATE SYSTEM AS PROJECTED BY HOWARD COUNTY GEODETIC CONTROL STATIONS NO. 34FE AND NO. 34FB:  
 HOWARD COUNTY MONUMENT NO. 34FE N 558,339.589 E 1,329,703.089 ELEV. 431.118'  
 HOWARD COUNTY MONUMENT NO. 34FB N 557,439.902 E 1,330,191.388 ELEV. 406.151'
- STORM WATER MANAGEMENT IS IN ACCORDANCE WITH THE M.D.E. STORM WATER DESIGN MANUAL VOLUMES I & II, REVISED 2009.
- THIS PROPERTY IS LOCATED WITHIN THE METROPOLITAN DISTRICT. PUBLIC WATER AND SEWER WILL BE UTILIZED FOR THIS PROJECT.
- ANY DAMAGE TO THE COUNTY'S RIGHT-OF-WAY SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.
- NO GRADING, REMOVAL OF VEGETATIVE COVER OR TREES, PAVING AND NEW STRUCTURES SHALL BE PERMITTED WITHIN THE REQUIRED WETLANDS, STREAM(S) OR THEIR BUFFERS, FOREST CONSERVATION EASEMENT AREAS AND 100 YEAR FLOODPLAIN.
- THESE ARE NO WETLANDS, STREAMS OR THEIR BUFFERS LOCATED WITHIN THE BOUNDARY OF THIS SITE.
- LANDSCAPING WILL BE PROVIDED AT THE SDP STAGE OF THIS PROJECT.
- IN ACCORDANCE WITH SECTION 16.1202(a) FOREST CONSERVATION DOES NOT APPLY TO THIS SITE AS IT IS LESS THAN 40,000 SQFT.
- SOIL BORING INFORMATION WILL BE PROVIDED AT THE NEXT PLAN STAGE OF THIS PROJECT.
- A DESIGN MANUAL WAIVER WILL BE REQUESTED TO MAINTAIN THE EXISTING WIDTH AND CHARACTER OF THOMPSON DRIVE.
- DERIVATION ENTRANCE SHALL BE CONSTRUCTED IN ACCORDANCE WITH R-6.06.
- APPROVAL OF THIS ECP DOES NOT CONSTITUTE APPROVAL OF SUBSEQUENT OR ASSOCIATED SUBDIVISION OR SITE DEVELOPMENT PLANS OR RED-LINE REVISIONS. REVIEW OF THIS PROJECT FOR COMPLIANCE WITH THE HOWARD COUNTY SUBDIVISION AND LAND DEVELOPMENT REGULATIONS AND THE HOWARD COUNTY ZONING REGULATIONS SHALL OCCUR AT THE SUBDIVISION PLAN, SITE DEVELOPMENT PLAN, OR RED-LINE REVISION PROCESSES. THE APPLICANT AND CONSULTANT SHOULD EXPECT ADDITIONAL AND MORE DETAILED REVIEW COMMENTS (INCLUDING COMMENTS THAT MAY ALTER THE OVERALL SITE DESIGN) AS THE PROJECT PROGRESSES THROUGH THE PLAN REVIEW PROCESS.

#### STORMWATER MANAGEMENT DESIGN NARRATIVE

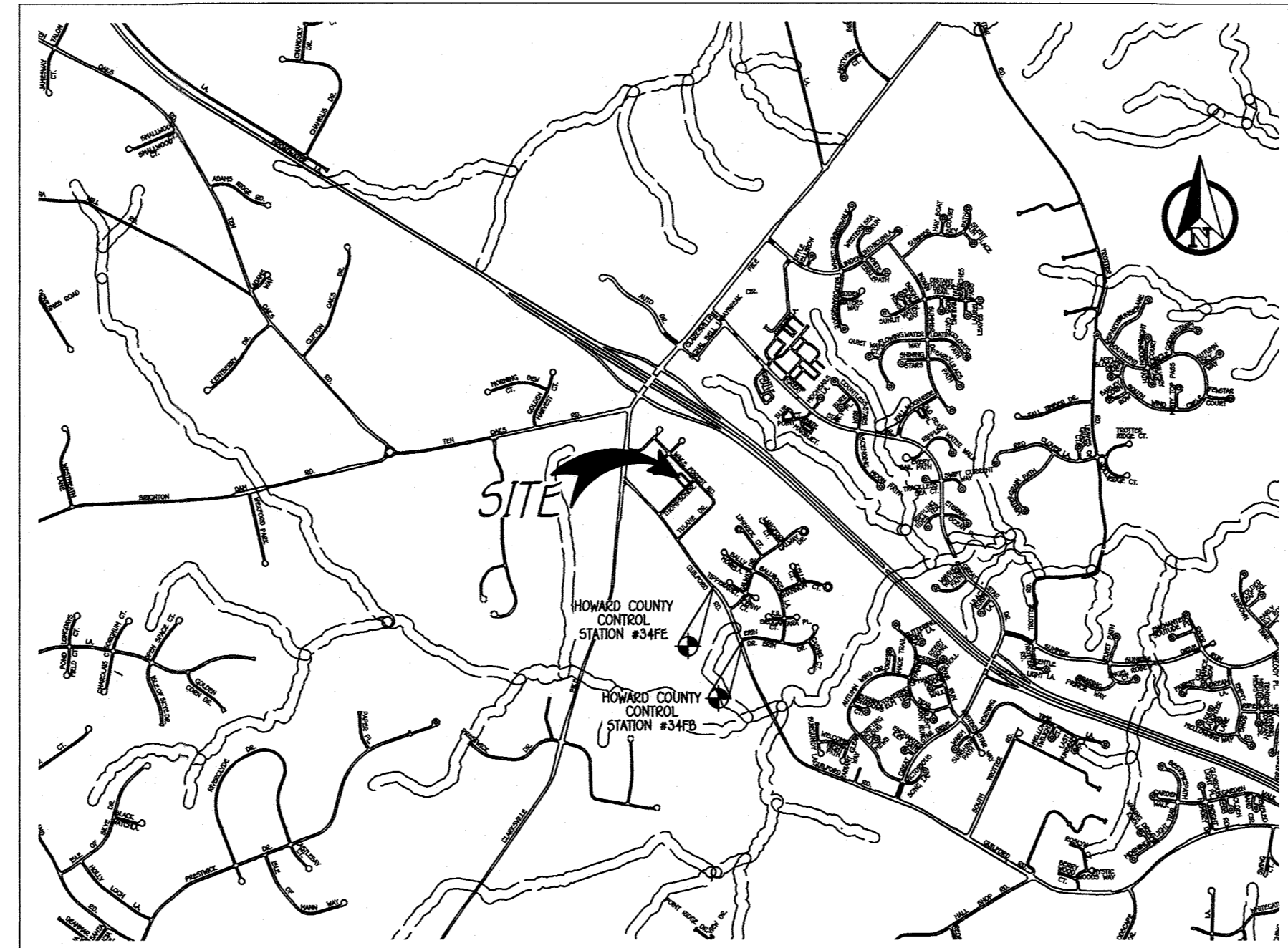
**INTRODUCTION:**  
 THIS REPORT WILL DEMONSTRATE HOW THE CRITERIA SET FORTH IN THE MARYLAND STORMWATER DESIGN MANUAL, VOLUMES I AND II (EFFECTIVE OCTOBER 2000, REVISED MAY 2009) WILL BE SATISFIED FOR THIS PROJECT. THE GOAL OF CREATING HYDROLOGY SIMILAR TO THAT OF "WOODS IN GOOD CONDITION" WILL BE ACCOMPLISHED THROUGH THE USE OF DRY WELLS AND MICRO BIO-RETENTION FACILITIES AS SUGGESTED WITHIN CHAPTER 5 OF PREVIOUSLY MENTIONED MANUAL. THE ACHIEVEMENT OF THIS GOAL WILL REMOVE THE REQUIREMENT OF PROVIDING CHANNEL PROTECTION VOLUME.

**GENERAL SITE CONDITIONS:**  
 THE SUBJECT PROPERTY IS ZONED R-12 AND LOCATED ON TAX MAP 34, PARCEL NO. 217 OF THE HOWARD COUNTY, MARYLAND TAX MAP DATABASE SYSTEM. THE PROPERTY CONSISTING OF 0.50 ACRES, IS RECTANGULAR IN SHAPE AND IS IMPROVED WITH A SINGLE FAMILY RESIDENCE. THE PROPERTY IS BORDERED BY RESIDENTIAL LOTS AND HAS ROAD FRONTAGE ON THOMPSON DRIVE. CURRENTLY ACCESS TO THE PROPERTY IS FROM THOMPSON DRIVE AS THE PROPERTY ONLY HAS AN EXISTING SHED ON A CONCRETE PAD WHICH WILL BE DEMOLISHED. THIS PROJECT PROPOSES A SINGLE FAMILY DETACHED RESIDENCE. THE PROPERTY IS PARTIALLY WOODED AND HAS A GENTLY SLOPED GRADE RUNNING FROM THE REAR WESTERLY CORNER OF THE PROPERTY TO THE FRONT EASTLY CORNER OF THE PROPERTY WHICH CREATES A DRAINAGE RUNOFF FLOWING ACROSS THE ADJACENT PROPERTIES. THE PROPERTY IS LOCATED WITHIN THE MIDDLE PATUXENT RIVER BASIN WATERSHED (02131106). THE RUNOFF FROM THE PROPOSED IMPROVEMENTS WILL BE TREATED BY A COMBINATION OF SWM DEVICES CONSISTING OF TWO (2) AREAS OF PERVIOUS PAVEMENT AND THREE (3) M-5 DRYWELLS TO TREAT THE PROPOSED HOUSE AND DRIVEWAY. THE WEB SOIL SURVEY SHOWS SOILS ON THE SITE CONSIST OF TYPES "B" AND "C" - GLENELG URBAN LAND COMPLEX SOILS.

- NATURAL RESOURCE PROTECTION:**  
 NO WETLANDS, STREAMS, THEIR BUFFERS, STEEP SLOPES, FLOODPLAIN, OR FOREST EXIST ON-SITE. NO SPECIAL PROTECTION IS REQUIRED.
- MAINTENANCE OF NATURAL FLOW PATTERNS:**  
 THE EXISTING LOT HAS A NATURAL SLOPE WHICH FLOWS FROM THE NORTHWEST REAR OF THE PROPERTY TO THE SOUTHEAST FRONT AND PROPERTY LINE. THE PROPOSED HOME HAS BEEN SITED TOWARDS THE MIDDLE OF THE LOT, SUCH THAT THE DRAINAGE AREAS ARE GENERALLY DIVIDED TO THE FRONT AND EAST PROPERTY LINES. THEREFORE, THE PROPOSED HOUSE SITING MAINTAINS THE EXISTING NATURAL PATTERN.
- REDUCTION OF IMPERVIOUS AREAS THROUGH BETTER SITE DESIGN, ALTERNATIVE SURFACES AND NONSTRUCTURAL PRACTICES:**  
 ONLY THE MINIMUM IMPERVIOUS AREAS HAVE BEEN PROPOSED TO ALLOW ADEQUATE ACCESS TO THE PROPOSED LOT. THIS DESIGN PROVIDES ONLY A SINGLE DRIVEWAY FOR ACCESS TO THE LOT.
- INTEGRATION OF EROSION AND SEDIMENT CONTROLS INTO STORMWATER STRATEGY:**  
 THIS PROJECT UTILIZES PROPER PERIMETER CONTROLS TO PREVENT SEDIMENT LADEN RUNOFF FROM LEAVING THE SITE. STORMWATER MANAGEMENT FEATURES SHALL BE INSTALLED IN ACCORDANCE WITH AN APPROVED SEQUENCE OF CONSTRUCTION.
- IMPLEMENTATION OF ESD PLANNING TECHNIQUES AND PRACTICES TO THE MAXIMUM EXTENT PRACTICABLE (MEP):**  
 THIS SUBMISSION WILL PROPOSE SEVERAL CHAPTER 5 DEVICES TO MEET AND EXCEED ENVIRONMENTAL SITE DESIGN TO THE MAXIMUM EXTENT PRACTICABLE (ESD TO THE MEP). ALL IMPERVIOUS AREAS WILL RECEIVE FULL TREATMENT.
- REQUEST FOR DESIGN MANUAL WAIVER:**  
 NO WAIVERS ARE EXPECTED TO BE REQUESTED ON THIS PROJECT RELATING TO SWM REQUIREMENTS.

#### STORMWATER MANAGEMENT NOTES

- STORMWATER MANAGEMENT IS PROVIDED IN ACCORDANCE WITH WITH CHAPTER 5, "ENVIRONMENTAL SITE DESIGN" OF THE 2007 MARYLAND STORMWATER MANAGEMENT DESIGN MANUAL, EFFECTIVE MAY 4, 2010.
- MAXIMUM CONTRIBUTING ROOF TOP AREA TO EACH DOWNSPOUT SHALL BE 500 SQ. FT. OR LESS.
- EACH DRYWELL IS LIMITED TO 1000 SQ.FT. OF RUNOFF.
- FINAL GRADING SHALL BE PROVIDED WITH THE SITE DEVELOPMENT PLAN.

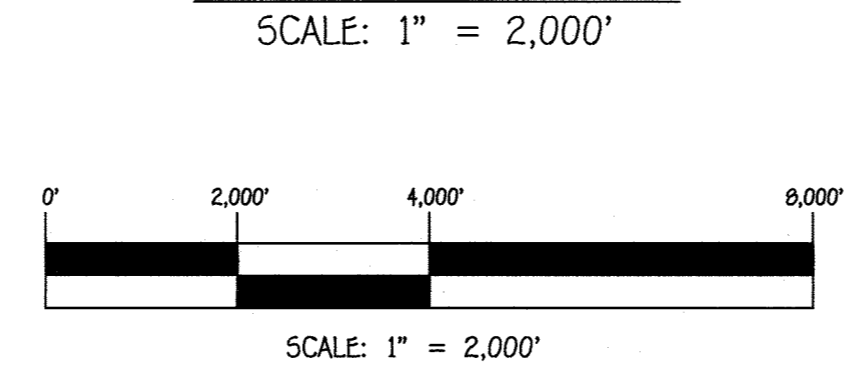


HOWARD COUNTY GEODETIC SURVEY CONTROL NO. 34FE  
 N 558,339.589 E 1,329,703.089 ELEVATION: 431.118'

HOWARD COUNTY GEODETIC SURVEY CONTROL NO. 34FB  
 N 557,439.902 E 1,330,191.388 ELEVATION: 406.151'

REFER TO HOWARD CO. ADC MAP 31-02

#### VICINITY MAP



| LEGEND      |  |
|-------------|--|
| SYMBOL      | DESCRIPTION                                    |
| --- 2' ---  | EXISTING CONTOUR 2' INTERVAL                   |
| --- 10' --- | EXISTING CONTOUR 10' INTERVAL                  |
| --- 10' --- | PROPOSED CONTOUR 10' INTERVAL                  |
| --- 2' ---  | PROPOSED CONTOUR 2' INTERVAL                   |
| —           | EXISTING FENCE                                 |
| x 446.5     | SPOT ELEVATION                                 |
| 10' 50'     | EXISTING STORM DRAIN                           |
| EX. P.W.    | EXISTING WATER LINE                            |
| EX. S.W.    | EXISTING SEWER LINE                            |
| —           | EXISTING OVERHEAD WIRE                         |
| x x x       | EXISTING FENCE LINE                            |
| —           | PROPOSED PAVING                                |
| —           | PRIVATE UIC EASEMENT                           |
| —           | PRIVATE DRAINAGE & UTILITY EASEMENT            |
| —           | LIMIT OF DISTURBANCE                           |
| SSF/TP      | SUPER SILT FENCE/TREE PROTECTION FENCE         |
| DF/TP       | DIVERSION FENCE/TREE PROTECTION FENCE          |
| —           | EXISTING TREE LINE                             |
| —           | PROPOSED TREE LINE                             |
| —           | DRAINAGE DIVIDE                                |
| XXXXXX      | PERMANENT SOIL STABILIZATION CONTROL MATTING   |
| GhB LoB     | SOIL LINES AND TYPES                           |
| —           | BIO RETENTION FACILITY (F-6) OR (M-6) AS NOTED |
| —           | PROPOSED ROOF LEADER                           |
| —           | DENOTES EXISTING TREES TO BE REMOVED           |
| —           | DENOTES EXISTING TREES TO REMAIN               |
| —           | DENOTES PROPOSED TREE                          |
| ST 3        | SPECIMEN TREE                                  |
| —           | CRITICAL ROOT ZONE                             |

#### SITE ANALYSIS DATA CHART

- TOTAL AREA OF THIS SUBMISSION = 0.50 AC.±
- LIMIT OF DISTURBED AREA = 0.35 AC.±
- PRESENT ZONING DESIGNATION = R-12 (PER 10/06/2013 COMPREHENSIVE ZONING PLAN)
- PROPOSED USE: RESIDENTIAL SINGLE FAMILY DETACHED
- PREVIOUS HOWARD COUNTY FILES: N/A
- TOTAL AREA OF FLOODPLAIN LOCATED ON-SITE = 0 AC
- TOTAL AREA OF SLOPES IN EXCESS OF 25% = 0 AC±
- TOTAL AREA OF WETLANDS (INCLUDING BUFFER) = 0 AC±
- TOTAL AREA OF STREAM (INCLUDING BUFFER) = 0 AC±
- TOTAL AREA OF EXISTING FOREST = 0.00 AC
- TOTAL AREA OF FOREST TO BE RETAINED = 0.00 AC±
- TOTAL AREA OF LOTS / BUILDABLE PARCELS = 0.50 AC±
- TOTAL GREEN OPEN AREA (PREVIOUS) = 0.41 AC±
- TOTAL IMPERVIOUS AREA = 2,554 SQFT±
- TOTAL AREA OF ERODIBLE SOILS = 0 AC±

**FISHER, COLLINS & CARTER, INC.**  
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
 CENTENNIAL SQUARE OFFICE PARK - 10772 BALTIMORE NATIONAL PIKE  
 ELIJAH CITY, MARYLAND 21046  
 (410) 461-2895

Approved: Department Of Planning And Zoning

Chief, Development Engineering Division 12-15-21 Date

Chief, Division Of Land Development 12/21/21 Date



#### PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED BY ME OR UNDER MY SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 27020, EXPIRATION DATE: 01/25/22.

PAUL G. CAVANAUGH Date 12/5/2021

**OWNER/DEVELOPER**  
 MR. MARK & SHIRLEY WILSON  
 6106 THOMPSON DRIVE  
 CLARKSVILLE, MD. 21029  
 410-461-4274

TITLE SHEET

**6106 THOMPSON DRIVE**

LOT 8

ZONING: R-12

5TH ELECTION DISTRICT

TAX MAP 34, GRID 12, PARCEL 0217

6106 THOMPSON DRIVE

CLARKSVILLE, MARYLAND 21029

TEL:

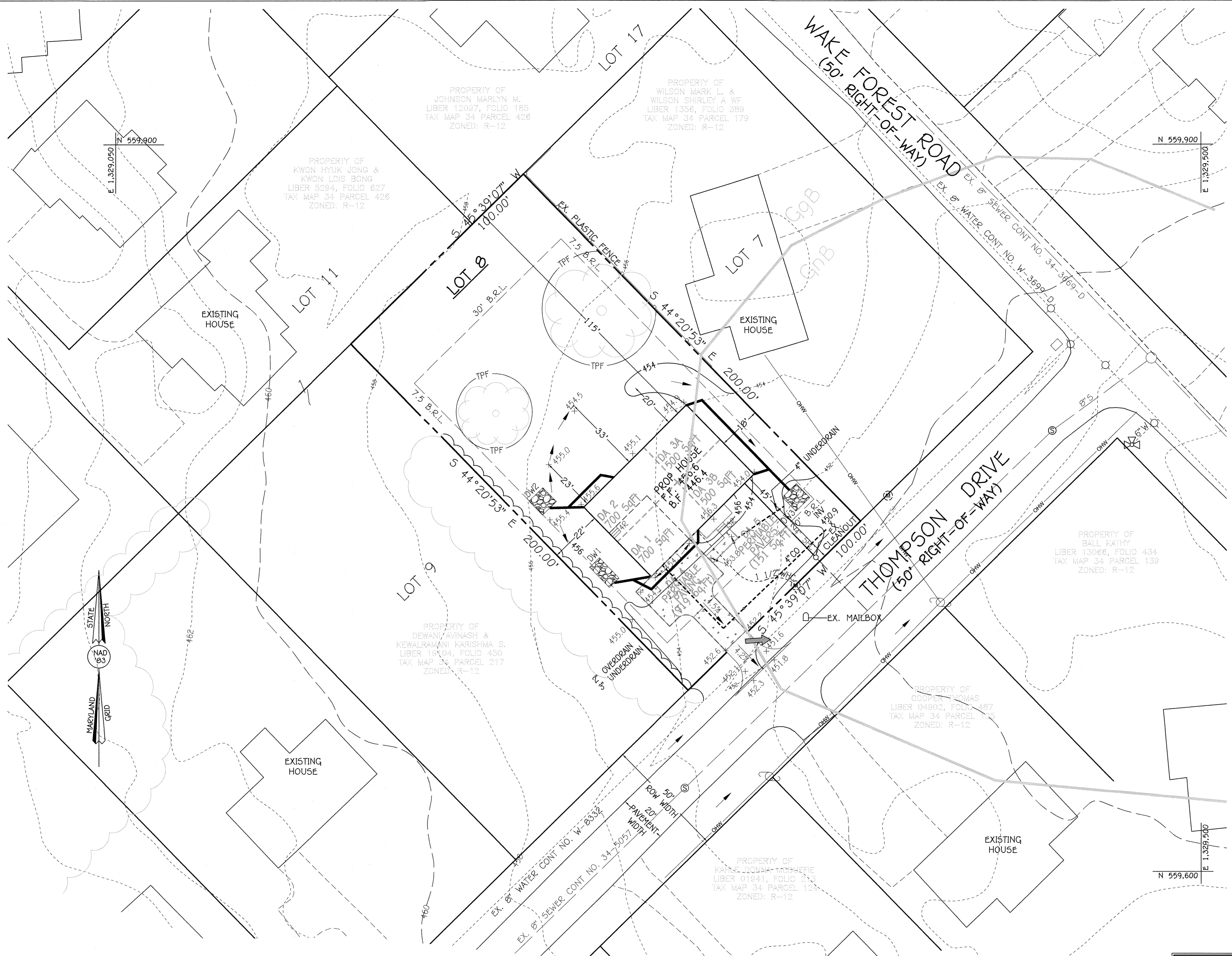
SCALE: 1" = 30', DATE: NOVEMBER 5, 2021

SHEET 1 OF 4

ECP-22-006



| LEGEND |  |
|--------|--|
| SYMBOL | DESCRIPTION                                    |
|        | EXISTING CONTOUR 2' INTERVAL                   |
|        | EXISTING CONTOUR 10' INTERVAL                  |
|        | PROPOSED CONTOUR 10' INTERVAL                  |
|        | PROPOSED CONTOUR 2' INTERVAL                   |
|        | EXISTING FENCE                                 |
|        | SPOT ELEVATION                                 |
|        | EXISTING STORM DRAIN                           |
|        | EXISTING WATER LINE                            |
|        | EXISTING SEWER LINE                            |
|        | EXISTING OVERHEAD WIRE                         |
|        | EXISTING FENCE LINE                            |
|        | PROPOSED PAVING                                |
|        | PRIVATE UIC EASEMENT                           |
|        | PRIVATE DRAINAGE & UTILITY EASEMENT            |
|        | LIMIT OF DISTURBANCE                           |
|        | SUPER SILT FENCE/TREE PROTECTION FENCE         |
|        | DIVERSION FENCE/TREE PROTECTION FENCE          |
|        | EXISTING TREE LINE                             |
|        | PROPOSED TREE LINE                             |
|        | DRAINAGE DIVIDE                                |
|        | PERMANENT SOIL STABILIZATION CONTROL MATTING   |
|        | SOIL LINES AND TYPES                           |
|        | BIO RETENTION FACILITY (F-6) OR (M-6) AS NOTED |
|        | PROPOSED ROOF LEADER                           |
|        | DENOTES EXISTING TREES TO BE REMOVED           |
|        | DENOTES EXISTING TREES TO REMAIN               |
|        | DENOTES PROPOSED TREE                          |
|        | SPECIMEN TREE                                  |
|        | CRITICAL ROOT ZONE                             |



PLAN VIEW  
SCALE: 1" = 20'

| SOILS LEGEND |   |       |           |
|--------------|---|-------|-----------|
| SOIL         | NAME  | CLASS | 'K' VALUE |
| GgB          | Glenelg loam, 3 to 8 percent slopes               | B     | .37       |
| GnB          | Glenville-Baile silt loams, 0 to 8 percent slopes | C     | .49       |

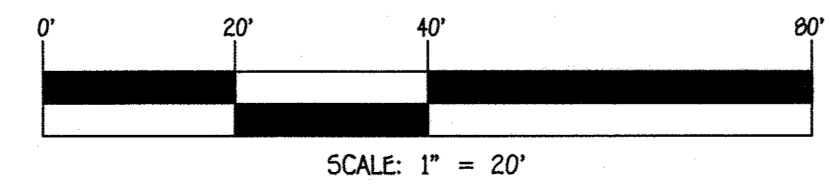
HOWARD COUNTY WEBSOILS SURVEY 09/15/20

**OWNER/DEVELOPER**  
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6106 THOMPSON DRIVE  
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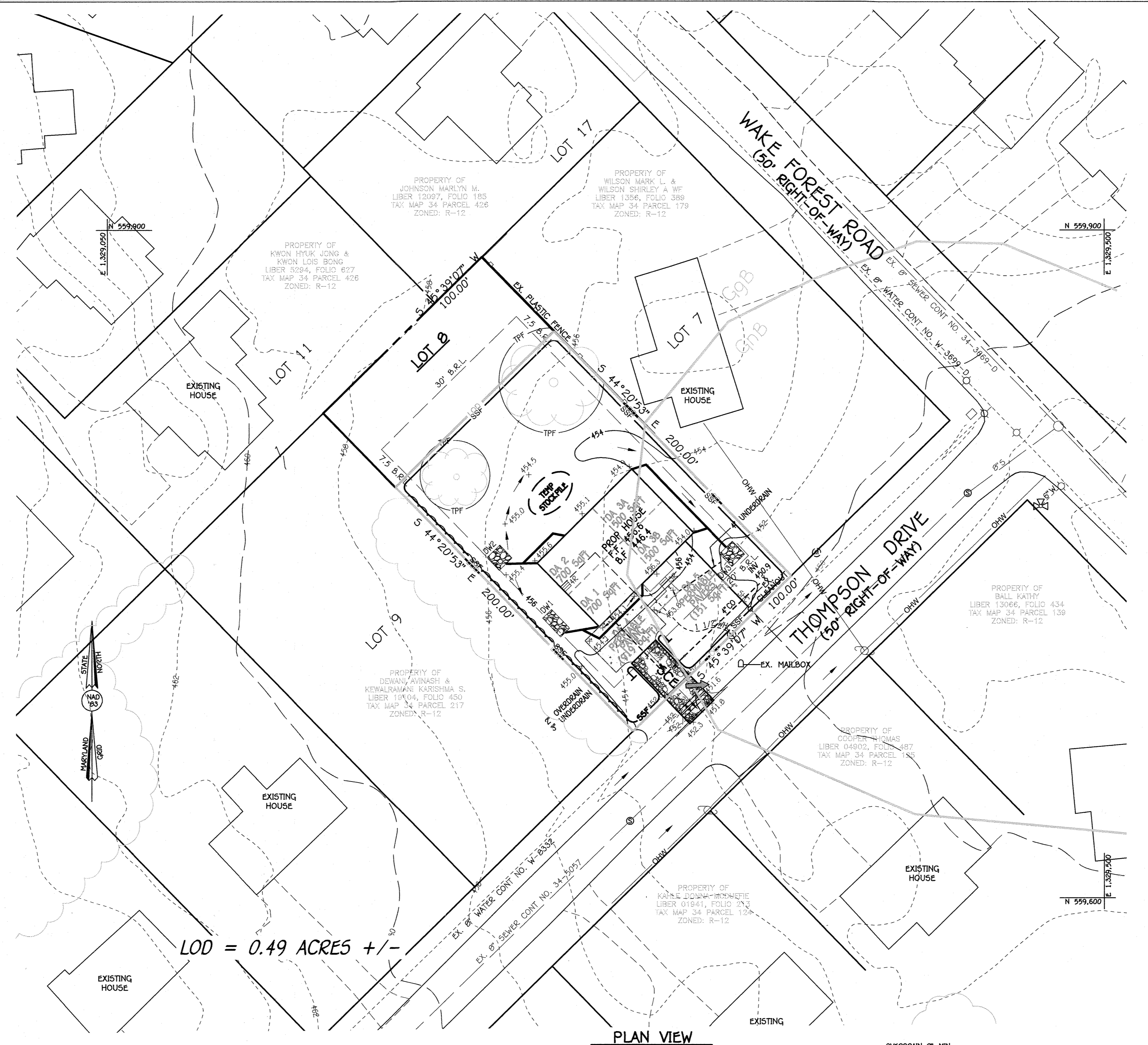
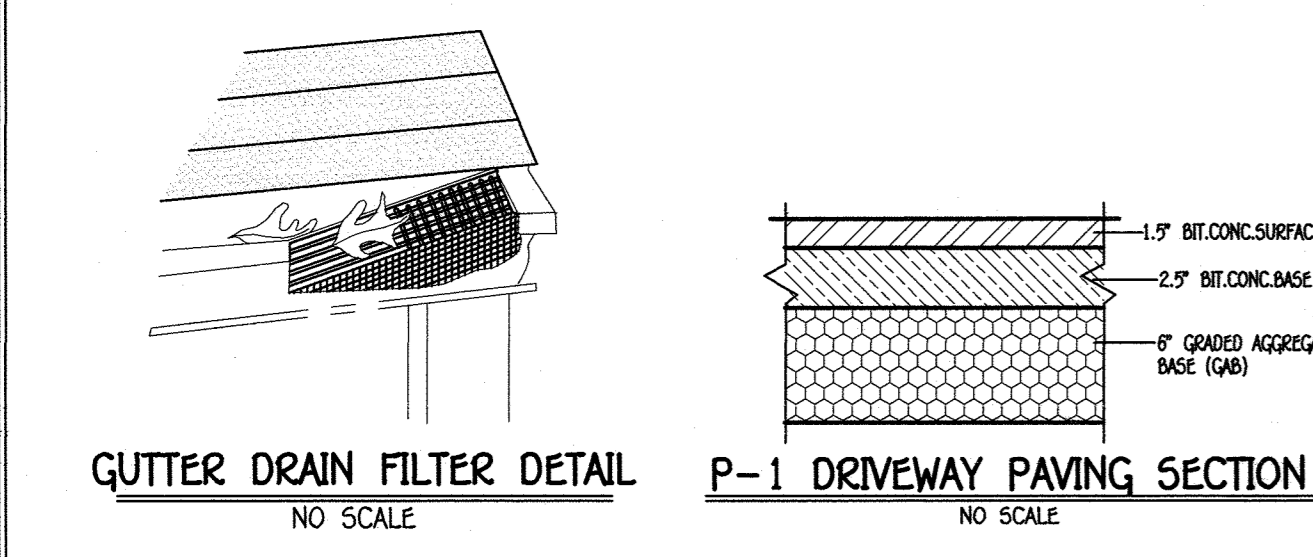
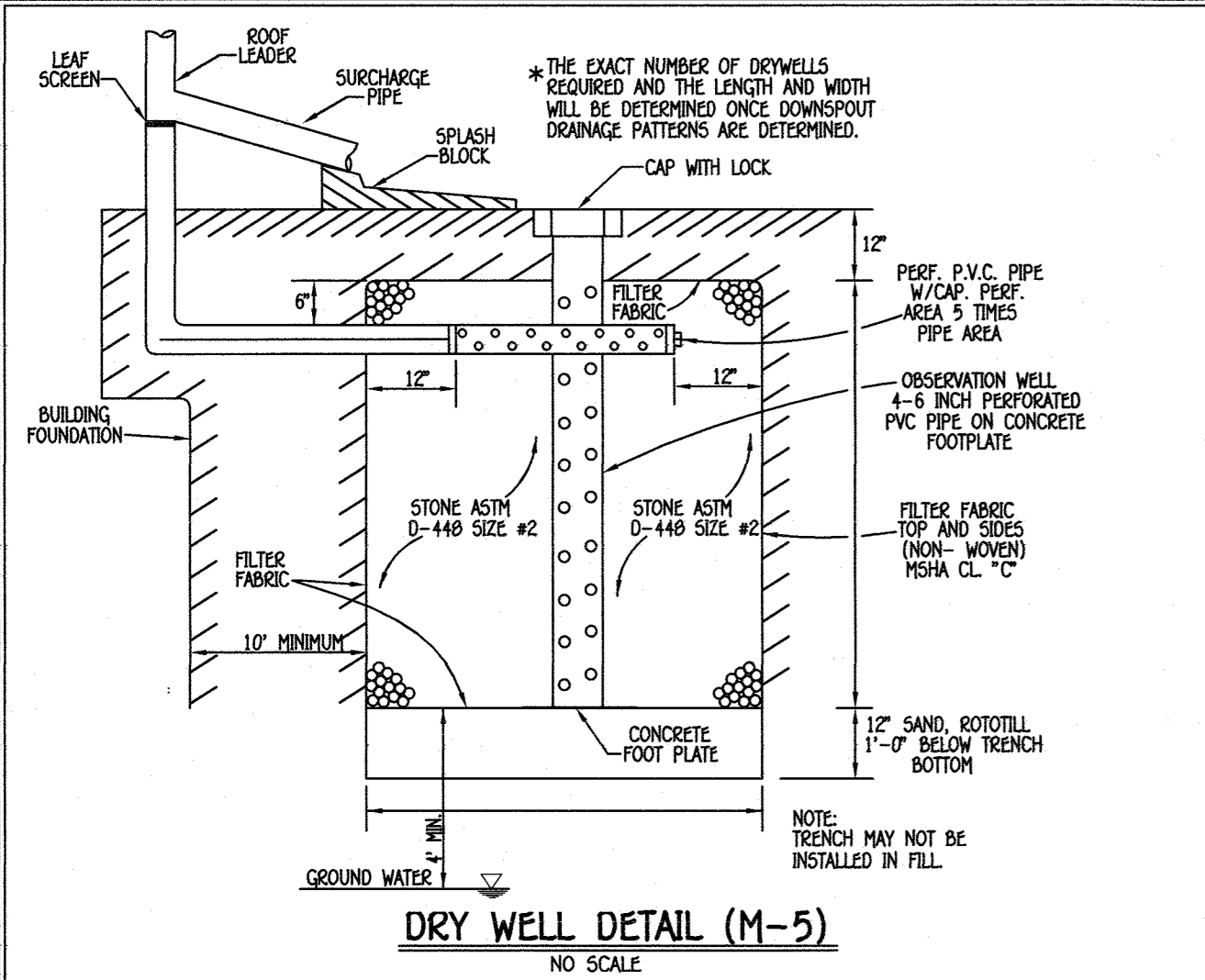
**ENVIRONMENTAL CONCEPT PLAN**  
**6106 THOMPSON DRIVE**  
LOT 8  
ZONING: R-12  
5TH ELECTION DISTRICT  
TAX MAP 34, GRID 12, PARCEL 0217  
6106 THOMPSON DRIVE  
CLARKSVILLE, MARYLAND 21029  
TEL:  
SCALE: 1" = 20' DATE: NOVEMBER 5, 2021  
SHEET 3 OF 4 **ECP-22-006**

**FISHER, COLLINS & CARTER, INC.**  
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PENTAGONAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE  
ELLCOTT CITY, MARYLAND 21042  
(410) 461-2899

Approved: Department Of Planning And Zoning  
Chief, Development Engineering Division 12.15.21  
Chief, Division Of Land Development 12/21/21



**PROFESSIONAL CERTIFICATION**  
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED BY ME OR UNDER MY SUPERVISION AND THAT I AM A FULLY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 27020, EXPIRATION DATE: 01/25/22.  
PAUL G. CAVANAUGH  
Nov 5, 2021  
DHE



**DRY WELL CHART**

| LOT No. | DRYWELL No. | AREA PER DRYWELL | VOLUME REQUIRED | VOLUME PROVIDED | AREA OF TREATMENT | L  | W  | D  |
|---------|-------------|------------------|-----------------|-----------------|-------------------|----|----|----|
| LOT 8   | 1           | 700 SQ. FT.      | 67 C.F.         | 72 C.F.         | 100%*             | 6' | 6' | 5' |
| LOT 8   | 2           | 700 SQ. FT.      | 67 C.F.         | 72 C.F.         | 100%*             | 6' | 6' | 5' |
| LOT 8   | 3           | 1,000 SQ. FT.    | 95 C.F.         | 108 C.F.        | 100%*             | 9' | 6' | 5' |

\* AREA OF TREATMENT EXCEEDS THAT REQUIRED.

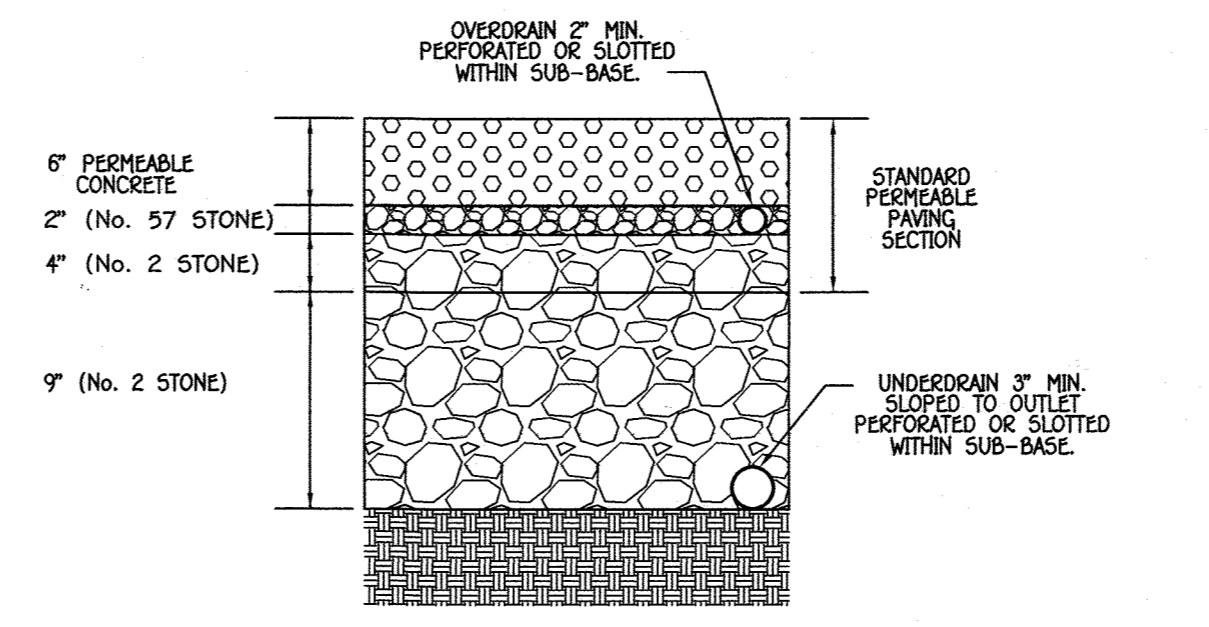
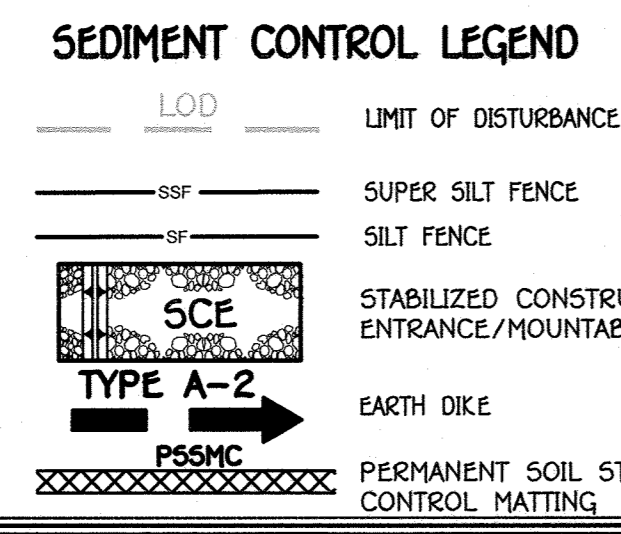
**STORMWATER MANAGEMENT PRACTICES**

| AREA ID              | LOCATION | DRAINAGE AREA SF. | % IMPERVIOUS | ESDV REQUIRED CuFt. | ESDV PROVIDED CuFt. | PERMEABLE PAVING A-2 (Y/N) | DRY WELL M-5 (Y/N) |
|----------------------|----------|-------------------|--------------|---------------------|---------------------|----------------------------|--------------------|
| DW1                  | LOT 8    | 500               | 100%         | 67                  | 72                  |                            | Y                  |
| DW2                  | LOT 8    | 500               | 100%         | 67                  | 72                  |                            | Y                  |
| DW3                  | LOT 8    | 1,000             | 100%         | 95                  | 108                 |                            | Y                  |
| PERMEABLE PAVING (1) | LOT 8    | 919               | 0.00%        | -                   | 161                 | Y                          |                    |
| PERMEABLE PAVING (2) | LOT 8    | 157               | 0.00%        | -                   | 15                  | Y                          |                    |

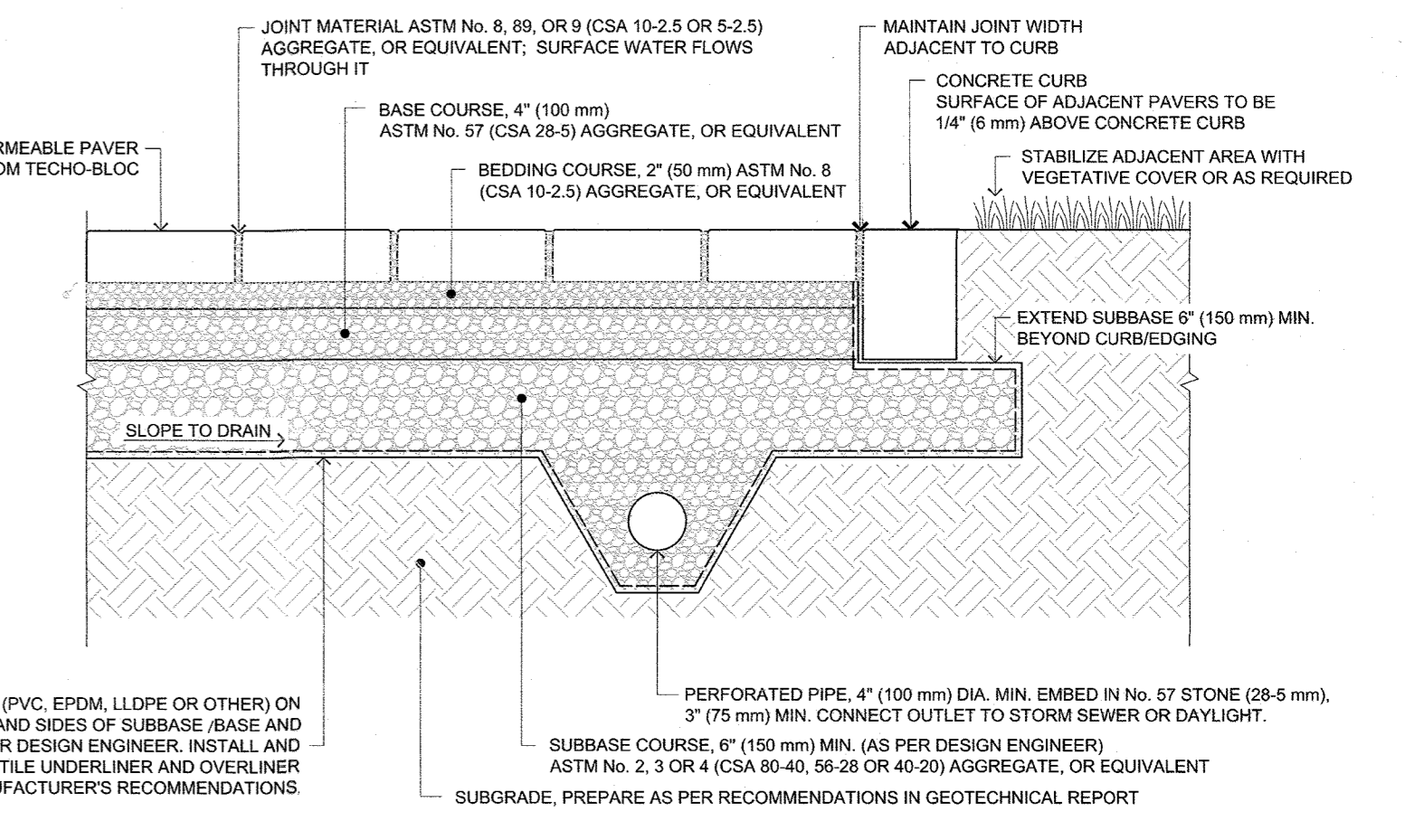
ESDV REQUIRED = 314 Cu.Ft.  
ESDV PROVIDED = 439 Cu.Ft.  
WEIGHTED P% REQUIRED = 1.16%  
P% PROVIDED = 1.6%

**LEGEND**

| SYMBOL | DESCRIPTION                         | SYMBOL | DESCRIPTION                                    |
|--------|-------------------------------------|--------|--|
| ---    | EXISTING CONTOUR 2' INTERVAL        | ---    | EXISTING TREE LINE                             |
| ---    | EXISTING CONTOUR 10' INTERVAL       | ---    | PROPOSED TREE LINE                             |
| ---    | PROPOSED CONTOUR 10' INTERVAL       | ---    | DRAINAGE DIVIDE                                |
| ---    | PROPOSED CONTOUR 2' INTERVAL        | GhB    | SOIL LINES AND TYPES                           |
| ---    | EXISTING FENCE                      | LoB    | PERMANENT SOIL STABILIZATION CONTROL MATTING   |
| o      | SPOT ELEVATION                      | ---    | BIO RETENTION FACILITY (F-6) OR (M-6) AS NOTED |
| ---    | EXISTING STORM DRAIN                | ---    | PROPOSED ROOF LEADER                           |
| ---    | EXISTING WATER LINE                 | ---    | DENOTES EXISTING TREES TO BE REMOVED           |
| ---    | EXISTING FENCE LINE                 | ---    | DENOTES EXISTING TREES TO REMAIN               |
| ---    | EXISTING SEWER LINE                 | ---    | LIMIT OF DISTURBANCE                           |
| ---    | EXISTING OVERHEAD WIRE              | SSP/TP | SUPER SILT FENCE/TREE PROTECTION FENCE         |
| ---    | PROPOSED PAVING                     | DF/TP  | DIVERSION FENCE/TREE PROTECTION FENCE          |
| ---    | PRIVATE LIC EASEMENT                | ---    | DENOTES HBR OVERLAND FLOWPATH                  |
| ---    | PRIVATE DRAINAGE & UTILITY EASEMENT | ST 3   | SPECIMEN TREE                                  |
| ---    | ---                                 | ---    | CRITICAL ROOT ZONE                             |



**TYPICAL SECTION - A-2(2) PERMEABLE PAVERS w/ UNDERDRAIN**  
NO SCALE



NOTES:  
1. SUBBASE THICKNESS MUST BE DETERMINED BY A QUALIFIED ENGINEER FOR HYDRAULIC AND STRUCTURAL NEEDS.  
2. CONTACT TECHNO-BLOC TECHNICAL SUPPORT FOR DESIGN ASSISTANCE.  
3. MAINTAIN DISTANCE OF 1 ft (0.3 m) MIN. BETWEEN THE HIGH WATER TABLE AND THE BOTTOM OF THE SUBBASE (OR BASE IF NO SUBBASE), AS PER LOCAL REQUIREMENTS.  
4. SURFACE SLOPE MUST BE AT LEAST 1% AND NO MORE THAN 5%.

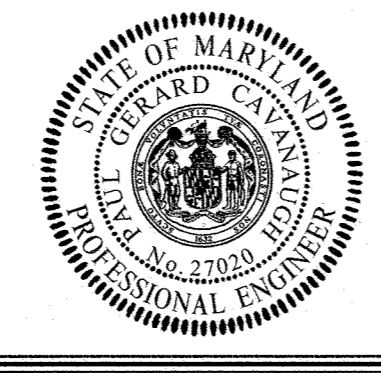
**PERMEABLE PAVING CHART**

| PERM. PAV. AREA NO. | DEPTH |
|---------------------|-------|
| A-2(1)              | 1.75" |
| A-2(2)              | 1.25" |

**OWNER/DEVELOPER**  
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**PRELIMINARY EROSION/SEDIMENT CONTROL PLAN AND STORMWATER MANAGEMENT NOTES AND DETAILS**  
**6106 THOMPSON DRIVE**  
LOT 8  
ZONING: R-12  
5TH ELECTION DISTRICT  
TAX MAP 34, GRID 12, PARCEL 0217  
6106 THOMPSON DRIVE  
CLARKSVILLE, MARYLAND 21029  
TEL:  
SCALE: 1" = 30', DATE: NOVEMBER 5, 2021  
SHEET 4 OF 4

**PROFESSIONAL CERTIFICATION**  
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PAUL G. CAVANAGH  
Date: Nov 5 2021



**FISHER, COLLINS & CARTER, INC.**  
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ELICOTT CITY, MARYLAND 21042  
(410) 461-2895

Approved: Department Of Planning And Zoning  
Chief, Development Engineering Division  
Date: 12/15/21  
Chief, Division Of Land Development  
Date: 12/21/21

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

- THE OWNER SHALL INSPECT THE MONITORING WELLS AND STRUCTURES ON A QUARTERLY BASIS AND AFTER EVERY HEAVY STORM EVENT.
- THE OWNER SHALL RECORD THE WATER LEVELS AND SEDIMENT BUILD UP IN THE MONITORING WELLS OVER A PERIOD OF SEVERAL DAYS TO ENSURE TRENCH DRAINAGE.
- THE OWNER SHALL MAINTAIN A LOG BOOK TO DETERMINE THE RATE AT WHICH THE FACILITY DRAINS.
- WHEN THE FACILITY BECOMES CLOGGED SO THAT IT DOES NOT DRAIN DOWN WITHIN A SEVENTY-TWO (72) HOUR TIME PERIOD, CORRECTIVE ACTION SHALL BE TAKEN.
- THE MAINTENANCE LOG BOOK SHALL BE AVAILABLE TO HOWARD COUNTY FOR INSPECTION TO INSURE COMPLIANCE WITH OPERATION AND MAINTENANCE CRITERIA.
- 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.

**OPERATION AND MAINTENANCE SCHEDULE FOR PRIVATELY OWNED AND MAINTAINED PERMEABLE PAVEMENT (A-2)**

- THE OWNER SHALL PERIODICALLY SWEEP (OR VACUUM POROUS CONCRETE PAVEMENT) THE PAVEMENT SURFACES TO REDUCE SEDIMENT ACCUMULATION AND INSURE CONTINUED SURFACE POROSITY. SWEEPING SHOULD BE PERFORMED AT LEAST TWICE ANNUALLY WITH A COMMERCIAL CLEANING UNIT. WASHING OR COMPRESSED AIR UNITS SHOULD NOT BE USED TO PERFORM SURFACE CLEANING.
- THE OWNER SHALL PERIODICALLY CLEAN DRAINAGE PIPES, INLETS, STONE EDGE DRAINS AND OTHER STRUCTURES WITHIN OR DRAINING TO THE SUBBASE.
- THE OWNER SHALL USE DEICERS IN MODERATION. DEICERS SHOULD BE NON-TOXIC AND BE APPLIED EITHER AS CALCIUM MAGNESIUM ACETATE OR AS PRETREATED SALT.
- THE OWNER SHALL ENSURE SNOW PLOWING IS PERFORMED CAREFULLY WITH BLADES SET ONE INCH ABOVE THE SURFACE. PLOWED SNOW PILES AND SNOWMELT SHOULD NOT BE DIRECTED TO PERMEABLE PAVEMENT.

**SOILS LEGEND**

| SOIL | NAME   | CLASS | K VALUE |
|------|--|-------|---------|
| GgB  | Glennq loam, 3 to 8 percent slopes                 | B     | .37     |
| GnB  | Glennville-Balle silt loams, 0 to 8 percent slopes | C     | .49     |

HOWARD COUNTY WEBSOILS SURVEY 09/15/20

**DAILY STABILIZATION NOTE**  
ALL DISTURBED AREAS NOT DIRECTED TO A SEDIMENT CONTROL DEVICE SHALL BE STABILIZED AT THE END OF EACH WORKDAY. THE CONTRACTOR SHALL NOT DISTURB AN AREA GREATER THAN THAT WHICH CAN BE STABILIZED AT THE END OF EACH WORKDAY. ANY AREA NOT STABILIZED SHALL BE DIRECTED TO SILT FENCE.