

### SCHEDULE A PERIMETER LANDSCAPE EDGE

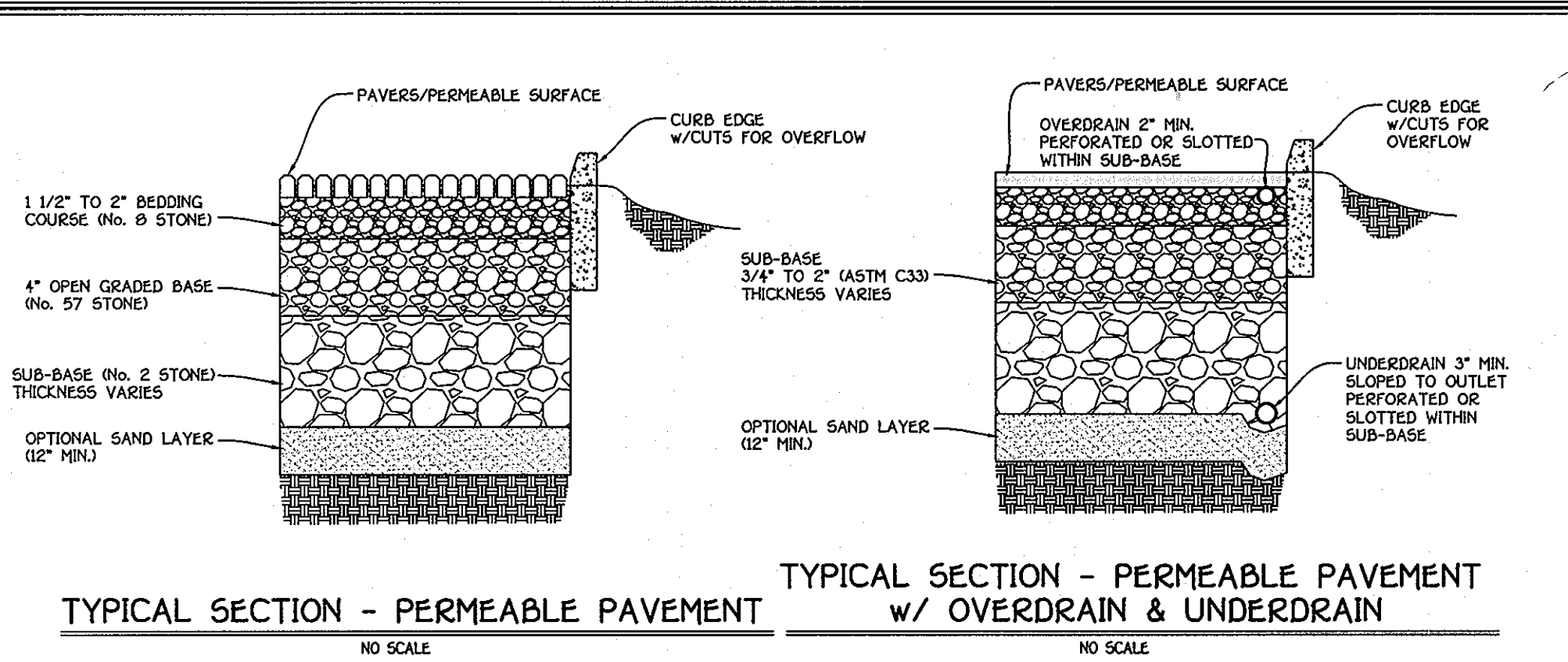
PERIMETER CATEGORY	P-1	P-2	P-3	P-4
LANDSCAPE TYPE	E	C	C	C
LINEAR FEET OR ROADWAY FRONTAGE/PERIMETER	56'	283'	100'	294'
CREDIT FOR EXISTING VEGETATION (YES, NO LINEAR FEET) (DESCRIBE BELOW IF NEEDED)	YES *	NO	YES 52'	YES 18'
CREDIT FOR WALL, FENCE OR BERM (YES, NO LINEAR FEET) (DESCRIBE BELOW IF NEEDED)	NO	NO	NO	NO
NUMBER OF PLANTS REQUIRED				
SHADE TREES	0	7	1	7
EVERGREEN TREES	0	14	2	14
SHRUBS	0	14	2	14
NUMBER OF PLANTS PROVIDED				
SHADE TREES	0	7 (2 Existing)	1	2 Existing
EVERGREEN TREES	0	4	2	7
SHRUBS	0	4	2	7

### SITE ANALYSIS DATA CHART

A. TOTAL AREA OF THIS SUBMISSION = 0.662AC.  
 B. LIMIT OF DISTURBED AREA = 0.27AC.  
 C. PRESENT ZONING DESIGNATION = R-20  
 (PER 02/02/04 COMPREHENSIVE ZONING PLAN AND THE COMP-LITE ZONING AMENDMENTS DATED 07/23/09)  
 D. PROPOSED USE: RESIDENTIAL ACTIVITIES  
 E. FLOOR SPACE ON EACH LEVEL OF BUILDING:  
 F. TOTAL NUMBER OF UNITS ALLOCATED: N/A  
 G. TOTAL NUMBER OF UNITS PROPOSED: N/A  
 H. TOTAL NUMBER OF EMPLOYEES, TENANTS ON SITE PER USE: N/A  
 I. RECREATIONAL AREA PROVIDED: N/A  
 J. BUILDING COVERAGE OF SITE: 0.09 AC.  
 K. PREVIOUS HOWARD COUNTY FILES: BA-10-006 CAV  
 L. TOTAL AREA OF FLOODPLAIN LOCATED ON SITE: 0.00 AC.  
 M. TOTAL AREA OF SLOPES IN EXCESS OF 25% + 0.00 AC.  
 N. NET TRACT AREA = 0.662 AC.  
 O. TOTAL SITE AREA - FLOODPLAIN - STEEP SLOPES AREA: 0.662 AC - 0.00 AC = 0.662 AC  
 P. TOTAL AREA OF WETLANDS (INCLUDING BUFFER) = 0.10 AC.  
 Q. TOTAL AREA OF FOREST = 0.00 AC.  
 R. TOTAL GREEN OPEN AREA = 0.27 AC.  
 S. TOTAL IMPERVIOUS AREA = 0.39 AC.

### LEGEND

SYMBOL	DESCRIPTION
[Symbol]	EXISTING CONCRETE RETAINING WALL
[Symbol]	EXISTING WETLANDS
[Symbol]	EXISTING PAVING
[Symbol]	PROPOSED PAVING
[Symbol]	EXISTING TREES
[Symbol]	EXISTING SHRUB
[Symbol]	EXISTING OVERHEAD LINE
[Symbol]	EXISTING TREE LINE
[Symbol]	PROPOSED SHADE TREE
[Symbol]	PROPOSED EVERGREEN TREE
[Symbol]	PROPOSED SHRUB
[Symbol]	PERMEABLE PAVEMENT
[Symbol]	AREA OF WETLAND BUFFER IMPACT 1:80 Sgft



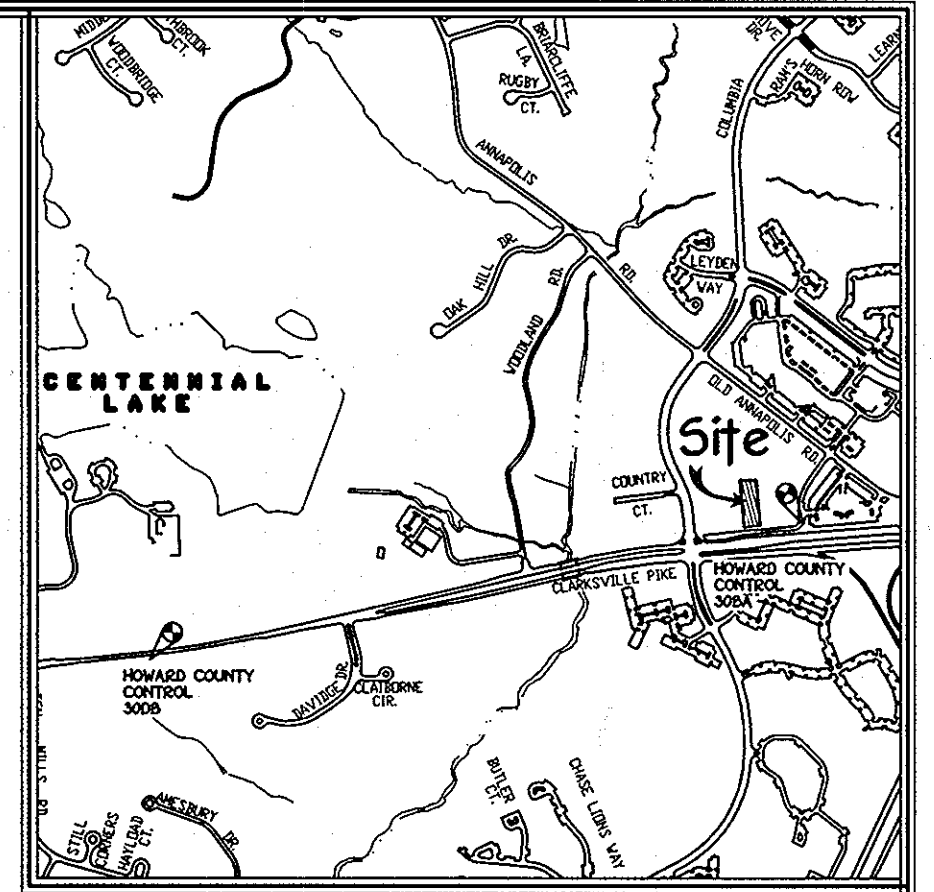
### OPERATION AND MAINTENANCE SCHEDULE FOR PRIVATELY OWNED AND MAINTAINED PERMEABLE PAVEMENT (A-2)

- The Owner shall periodically sweep for vacuum porous concrete pavement) the pavement surfaces to reduce sediment accumulation and ensure 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 oninch above the surface. Plowed snow piles and snowmelt should not be directed to permeable pavement.

### SOILS LEGEND

SOIL	NAME	CLASS
GCS	Genesee loam, 0 to 15 percent slopes, moderately eroded	B
GCS	Genesee loam, 15 to 25 percent slopes, moderately eroded	B

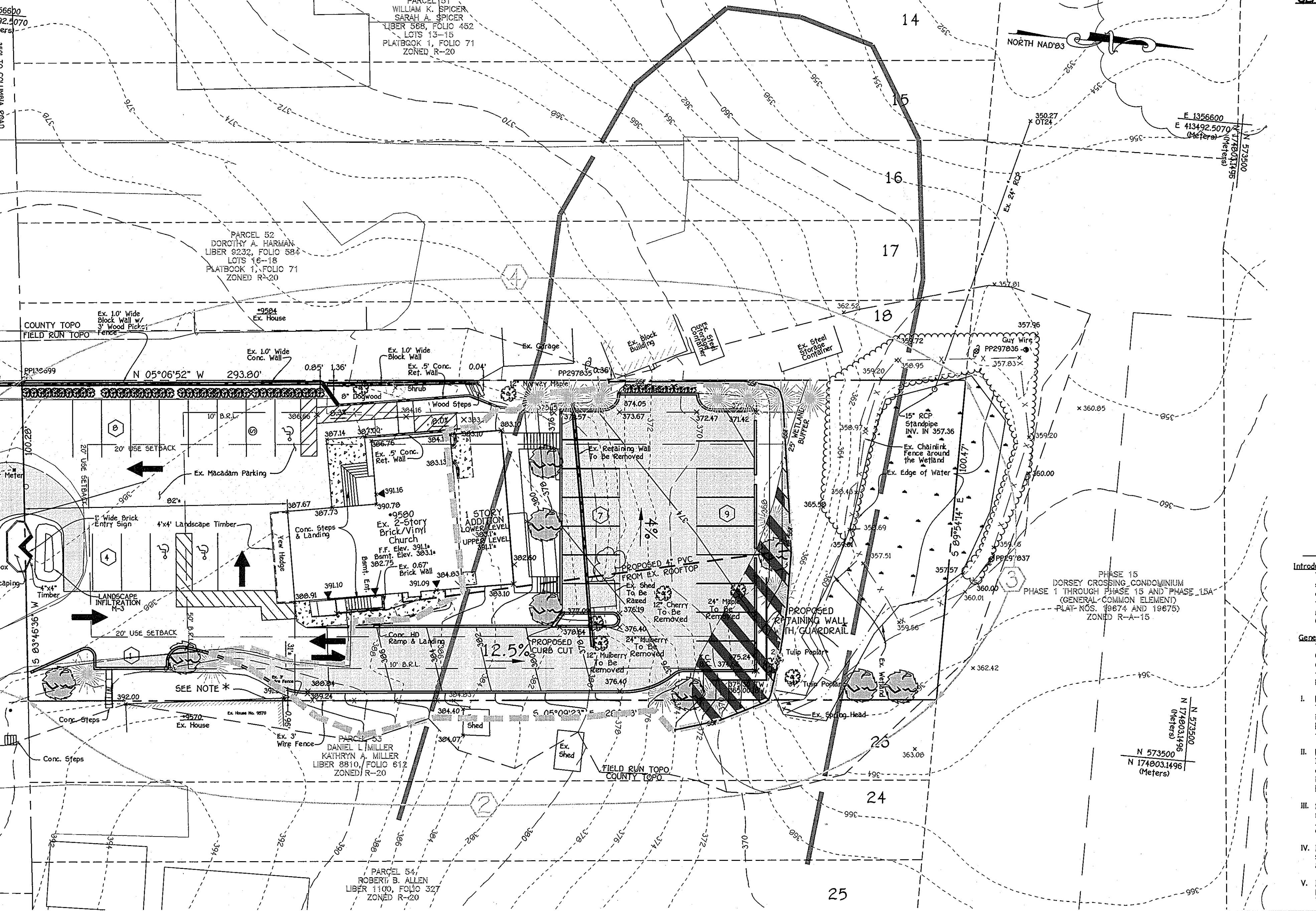
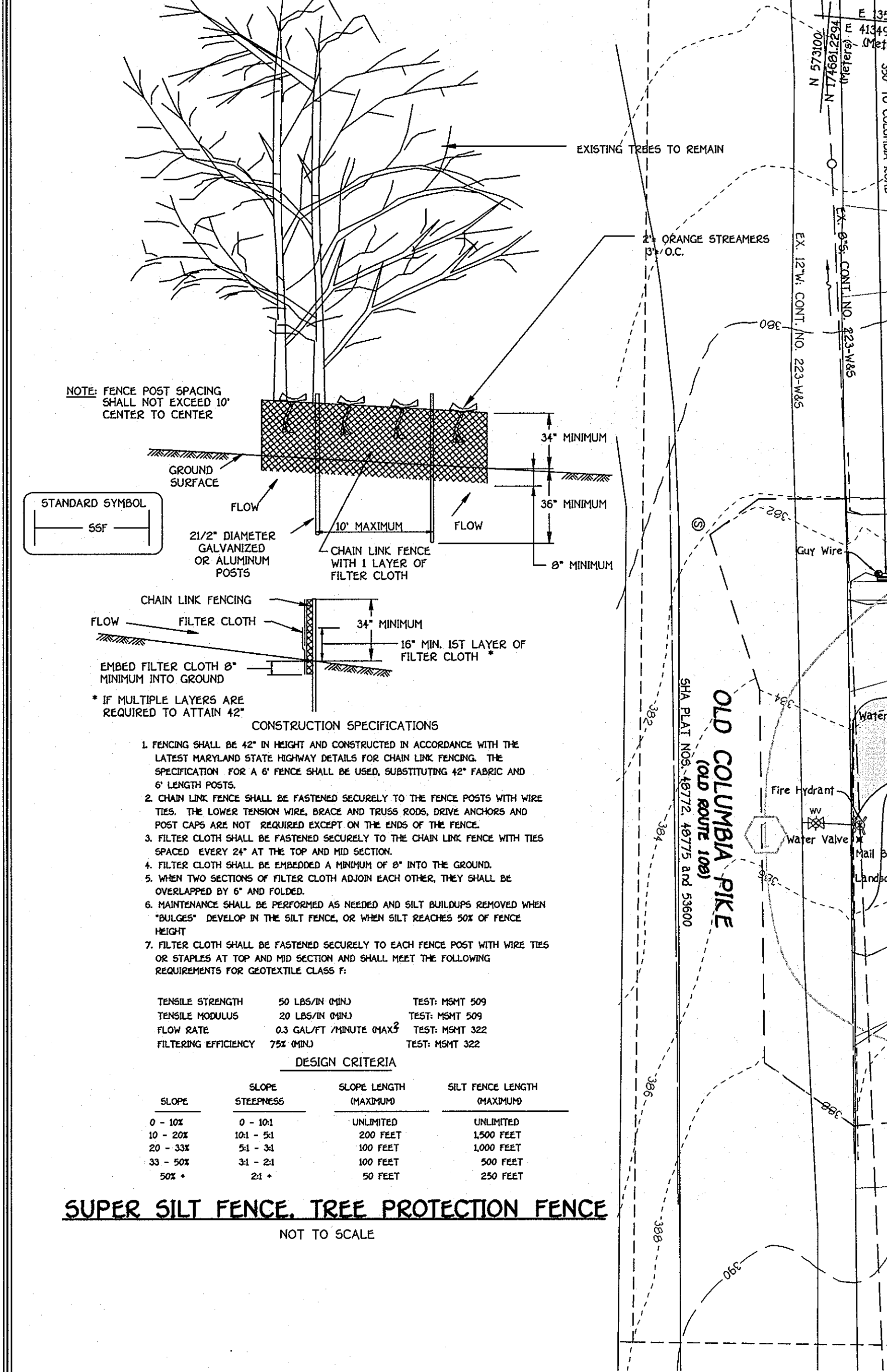
NOTES:  
 \* Hydraulic soils and/or contain hydraulic inclusions  
 \*\* May contain hydraulic inclusions  
 † Generally only within 100-year floodplain areas



\* PERIMETER P-4 HAS A LANDSCAPED ENTRANCE FEATURE

### SCHEDULE B RESIDENTIAL PARKING LOT INTERNAL LANDSCAPING

NUMBER OF PARKING SPACES	29
NUMBER OF TREES REQUIRED (1:10)	3



GENERAL NOTES

- Subject Property Zoned R-20 Per 02/02/04 Comprehensive Zoning Plan And The Comp-Lite Zoning Amendments Effective 07-23-09.
- Coordinates Based On NAD 83, Maryland Coordinate System As Projected By Howard County Geodetic Control Stations No. 308A, 308B, Station No. 308A N 57149.0456 E 1.357,083,2099 Station No. 308B N 572,993,1294 E 1.353,001,7992
- Topography shown herein is from a field run topographic survey performed on or about March, 2008.
- Existing Use: Religious Activities
- Proposed Use: Religious Activities
- Property Location:
  - Tax Map No. 30
  - Tax Parcel No. 288
  - Tax Grid No. 9
- Property Address: 9580 Old Route 108, Ellicott City, Md 21042
- Minimum Lot Size: Required: 20,000 Sgft. Provided: 28,971 Sgft. = 56 AC.
- Lot Coverage: 2,809 Sgft. = 9.7%
- Height: Ex. Structure: 25'. Prop. Structure: 25'. Election District: Second
- Local Community: Dorsey Search, Ellicott City
- Parking: Required: 1 parking space per 3 seats in main assembly area. 17 benches at 10' in length = 85 seats. Total Required: 85/3 = 29 Parking Spaces. Provided: 29 Parking Spaces (2 are Handicap Parking per Americans with Disabilities Act Guidelines)
- This site utilizes public water and sewer.
- Water W-10-146 Was Approved on March 28, 2011 under the following conditions:
  - Any Disturbance within the wetland buffer shall be the minimum disturbance necessary to afford relief and to comply with the conditions for BA-10-006CAV
  - No Improvements may be constructed within actual wetlands or ponds, all improvements must be limited to the wetlands buffer.
  - Subject to obtaining all necessary permits from MDE and/or U.S. Army Corp. Of Engineers.
- This plan is subject to Board of Appeals Case BA-10-006 CAV.
- Soil Boring information will be provided at the Site Plan stage of this project.
- The total area of this property is less than 40,000 and is exempt from Forest Conservation.
- The encroachment onto the subject property by the existing house located on Lot 23 will be addressed at the Site Development stage of this project.

### NARRATIVE

**Introduction:**  
 This report analyzes and attempts to demonstrate how storm water on this site can be managed to mimic the drainage characteristics of "woods in good condition". Techniques used to create this effect have been taken from Chapter 5 of the Maryland Department of the Environment SWM regulations. In achieving these results it becomes unnecessary to provide channel Protection Volume.

**General Site Conditions:**  
 This property is located on Tax Map 30, Parcel No. 288 on the Howard County, Maryland Tax Map Database System. The property consists of 0.662 acres of land. The area where the bulk of the development slopes to the north in the direction of existing wetlands. This project is exempt from Forest Conservation.

- Natural Resource Protection:** To ensure the protection of natural resources located on this project, the improvements have been located close to the existing structure and parking, leaving the wetlands undisturbed and only requiring necessary disturbance to the wetland buffer.
- Maintenance of Natural Flow Patterns:** It is the intent of the proposed design to discharge runoff similar to the characteristics and direction of this site prior to any of the proposed improvements. The receiving area will continue to be the existing wetlands located at the northern portion of this project.
- Reduction of Impervious Areas through better site design alternative surfaces and nonstructural practices:** A portion of the paving will be taking advantage of an alternative surface. (porous concrete or pavers)
- Integration of Erosion and Sediment Controls into Stormwater Strategy:** Sediment and Erosion Control will be provided by the use of Super Silt Fence and a Stone Construction Entrance.
- Implementation of ESD Planning Techniques and practices to the Maximum Extent Practicable (MEP):** The full required ESD volume is being provided.

**FISHER, COLLINS & CARTER, INC.**  
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
 CENTRAL SQUARE OFFICE PARK - 10772 BALTIMORE NATIONAL PIKE  
 ELLICOTT CITY, MARYLAND 21042  
 410.463.2555

DATE	DESCRIPTION	REVISION BLOCK

**PROFESSIONAL CERTIFICATION**

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND AND LICENSE NO. 20784, EXPIRATION DATE: 2/22/2013.

*[Signature]* 5/1/11  
 DATE

**OWNERS**

DAN MILLER  
 NEW LIFE MENNONITE  
 9580 OLD ROUTE 108  
 ELLICOTT CITY, MD 21042  
 410-615-4372

APPROVED: DEPARTMENT OF PLANNING AND ZONING

*[Signature]* 5/16/11  
 Chief, Division of Land Development

*[Signature]* 5/19/11  
 Chief, Development Engineering Division

SUBDIVISION	COLUMBIA WOODSLANDS	SECTION/AREA	N/A	LOT NOS.	19 THRU 22
PLAT BOOK 1	FOLIO 71	PARCEL NO.	288	ZONE	R-20
TAX MAP	31	ELEC. DIST.	2nd.	CENSUS TR.	—

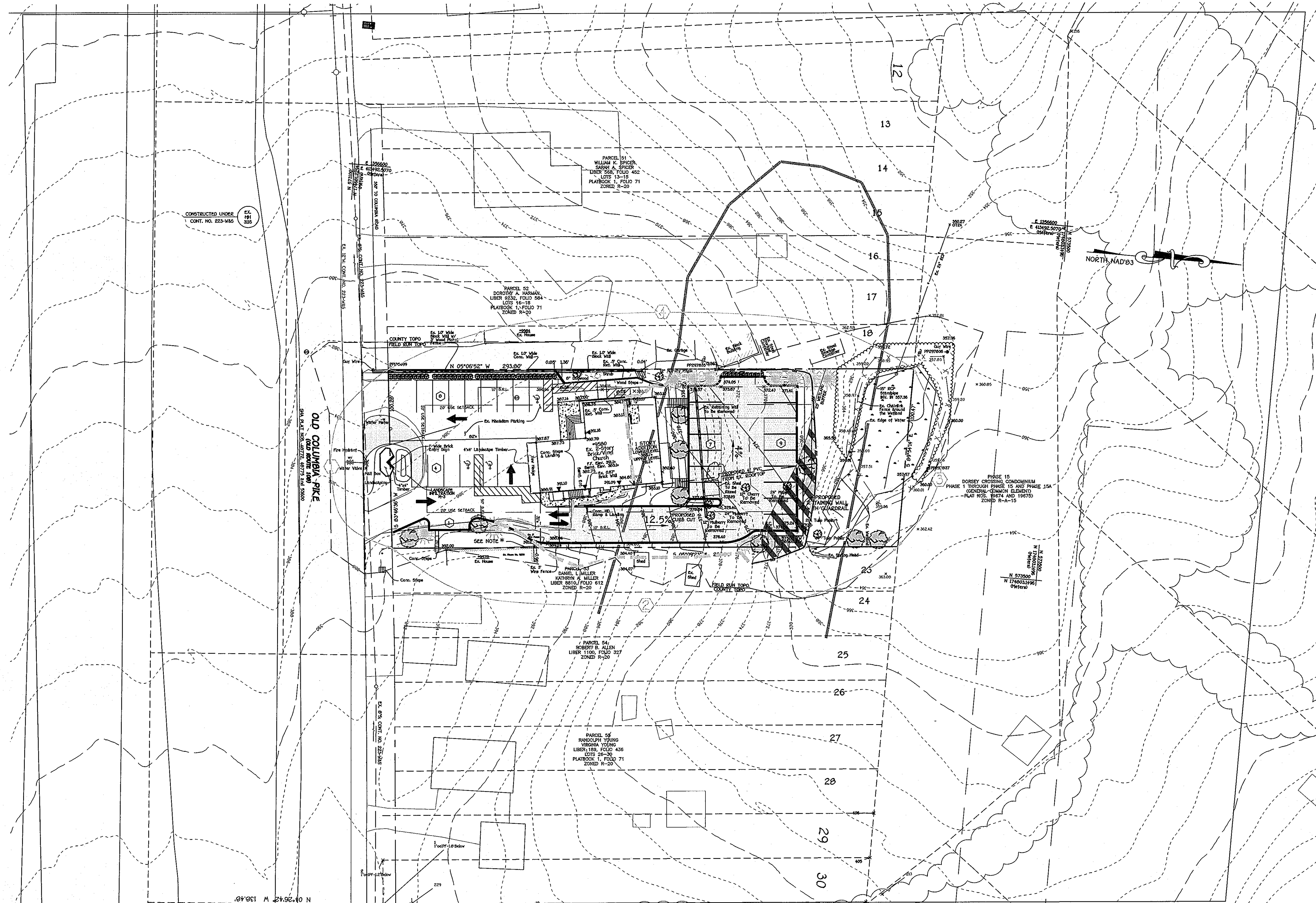
**ENVIRONMENTAL CONCEPT PLAN**

**OLD ROUTE 108 (9580)  
 NEW LIFE MENNONITE**

TAX MAP No: 30 GRID No: 9 PARCEL No: 288  
 2nd ELECTION DISTRICT HOWARD COUNTY, MARYLAND

SCALE: 1"=20' DATE: MAY, 2011

SHEET 1 OF 2 ECP-11-032



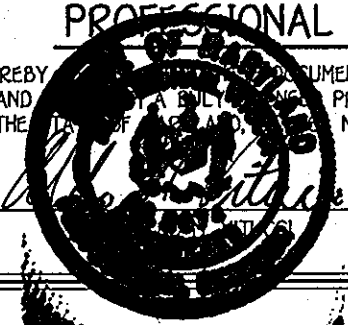
**FISHER, COLLINS & CARTER, INC.**  
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
 CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE  
 ELLICOTT CITY, MARYLAND 21042  
 410.461-3255

DATE	DESCRIPTION	REVISION BLOCK

**PROFESSIONAL CERTIFICATION**

I HEREBY CERTIFY THAT THE PLANS AND SPECIFICATIONS WERE PREPARED OR APPROVED BY ME AND I AM A PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 20784, EXPIRATION DATE: 2/22/13

*[Signature]*  
 DATE: 5/11/11



**OWNERS**

DAN MILLER  
 NEW LIFE MENNONITE  
 9580 OLD ROUTE 108  
 ELLICOTT CITY, MD 21042  
 410-615-4372

APPROVED: DEPARTMENT OF PLANNING AND ZONING

*[Signature]*  
 Chief, Division of Land Development

5/16/11  
 Date

*[Signature]*  
 Chief, Development Engineering Division

5/15/11  
 Date

SUBDIVISION	SECTION/AREA	LOT NOS.
COLUMBIA WOODLANDS	N/A	19 THRU 22
PLAT BOOK 1	PARCEL NO.	ZONE
FOLIO 71	280	R-20
TAX MAP	ELEC. DIST.	CENSUS TR.
31	2nd.	—

**ENVIRONMENTAL CONCEPT PLAN**

**OLD ROUTE 108 (9580)  
 NEW LIFE MENNONITE**

TAX MAP No: 30 GRID No: 9 PARCEL No: 280  
 2nd ELECTION DISTRICT HOWARD COUNTY, MARYLAND  
 SCALE: 1"=30' DATE: MAY, 2011