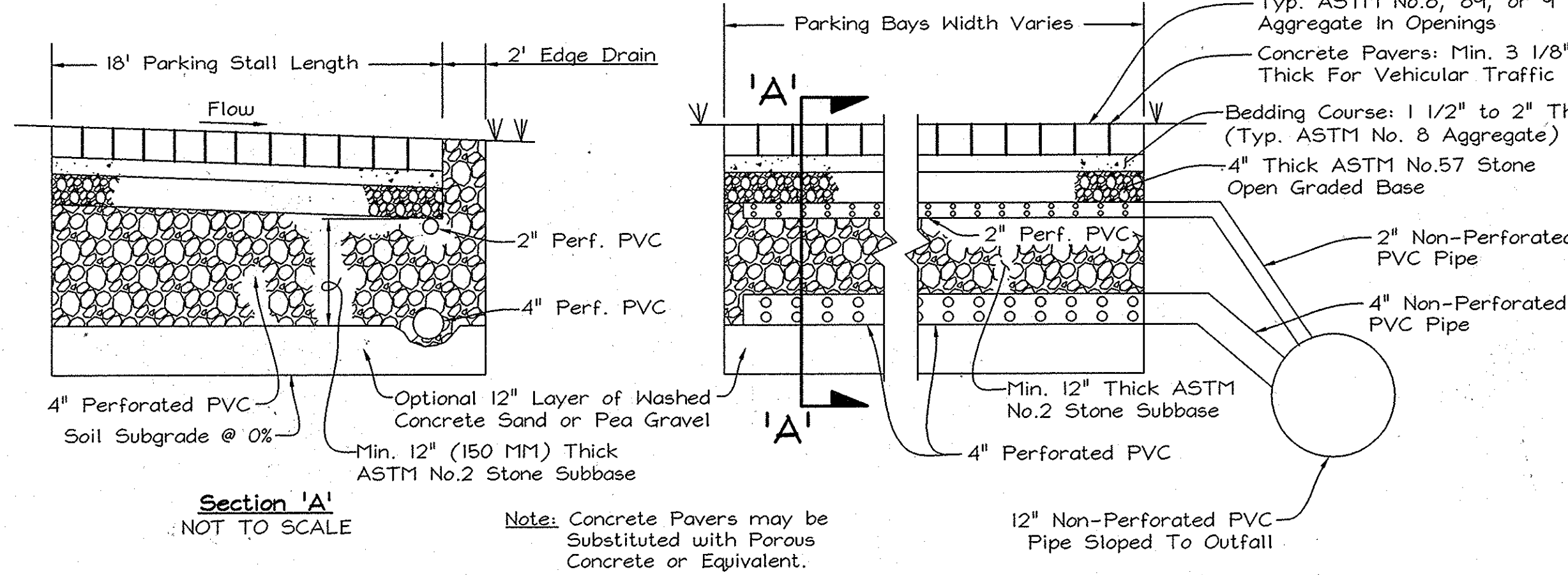


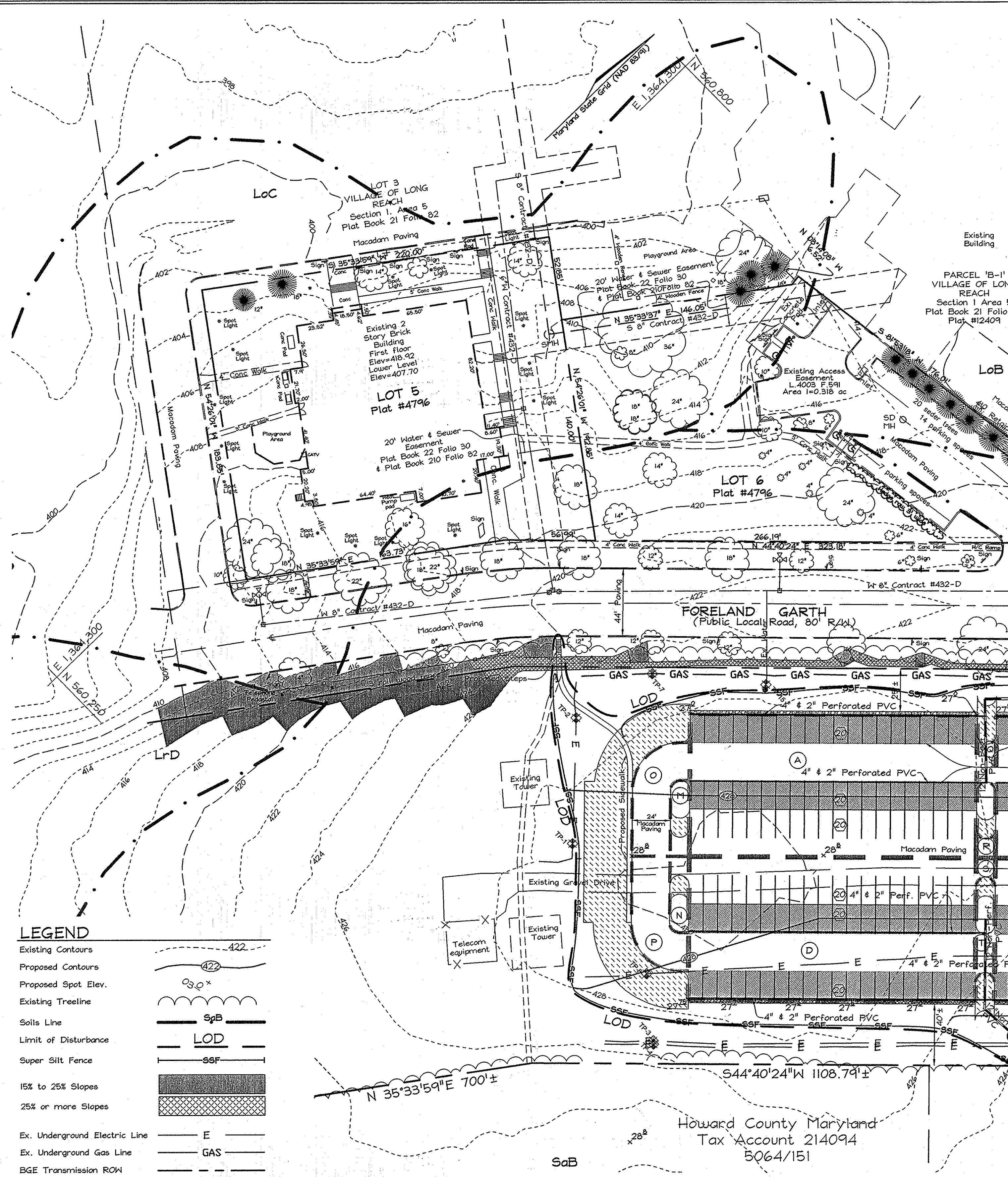
VICINITY MAP
SCALE: 1" = 2000'
HOWARD COUNTY ADC MAP 4935 K7

GEODETIC SURVEY CONTROLS

Sta. 36C6	N 561,733.238	E 1,365,422.633	El: 436.754 (feet)
Sta. 36F1	N 560,287.935	E 1,364,530.200	El: 426.211 (feet)



TYPICAL SECTION ALONG PERMEABLE PAVEMENT
NOT TO SCALE



LEGEND

- Existing Contours
- Proposed Contours
- Proposed Spot Elev.
- Existing Treeline
- Soils Line
- Limit of Disturbance
- Super Silt Fence
- 15% to 25% Slopes
- 25% or more Slopes
- Ex. Underground Electric Line
- Ex. Underground Gas Line
- BGE Transmission ROW
- Permeable Pavement Area
- Non-Rooftop Disconnect Area
- Stormwater Drainage Area Line

- GENERAL NOTES**
- Subject Property is Zoned R-12 per 10/6/13 Comprehensive Zoning Plan.
 - Total Area of Property: 3.866 ac. (part of the Transmission Right of Way).
 - There are no Floodplains, Wetlands, Historic Structures or Cemeteries On-Site.
 - This Property is Subject to the Amended 6th Edition of the Howard County Subdivision and Land Development Regulations.
 - Field Run Boundary and Topography by FSH Associates in 2012.

SITE ANALYSIS DATA CHART

A. Site area: 3.866 ac.±
B. Stream buffer area: 0 ac.
C. 100-Year Floodplains area: 0 ac.
D. Existing Forest area: 0 ac.±
E. Slopes 15% area: 0.055 ac.±
F. Erodeable soils area: 2.906 ac.±
G. Limit of disturbance area: 3.904 ac.±
H. Proposed site uses: Parking Lot
I. Green open area: N/A
J. Proposed impervious area: 2.311 ac.±
K. Number of Proposed Parking Spaces: 301
L. Wetland area: 0 ac.
M. Wetland Buffer area: 0 ac.

SOILS LEGEND

SYMBOL	NAME / DESCRIPTION	K FACTOR	SOIL GROUP
JaB	Jackland silt loam, 3 to 6 percent slopes	0.43	D
SaB	Sassafras, 2 to 5 percent slopes	0.37	B

PERMEABLE PAVING AREA TABLE (A-2 PRACTICE)

D.A.	DRAINAGE AREA	PERMEABLE PAVING AREA	% PERMEABLE PAVING
(A)	16,198 sq.ft.±	6,480 sq.ft.±	40%
(B)	12,145 sq.ft.±	4,860 sq.ft.±	40%
(C)	14,569 sq.ft.±	5,832 sq.ft.±	40%
(D)	16,202 sq.ft.±	6,480 sq.ft.±	40%
(E)	3,241 sq.ft.±	1,296 sq.ft.±	40%
(F)	4,756 sq.ft.±	1,782 sq.ft.±	37%
(G)	2,595 sq.ft.±	972 sq.ft.±	37%
(H)	9,727 sq.ft.±	3,888 sq.ft.±	40%
TOTAL	79,433 sq.ft.±	31,590 sq.ft.±	

SWM SUMMARY

Limits of Disturbance Area = 3.866 ac.±
Target Pe = 2.0"
Target RCN = 56
Target ESDv = 16,279 cu.ft.±
ESDv provided using Permeable Paving (A-2) = 15,564 cu.ft.±
ESDv provided through the non-rooftop disconnect (N-2) = 1,682 cu.ft.±
Total ESDv Provided = 17,251 cu.ft.± > 16,279 cu.ft. (Target ESDv), therefore OK.

PROPOSED SWM SUMMARY

Permeable Pavements (A-2)	15,564 cu.ft.±
Non-Rooftop Disconnect (N-2)	1,682 cu.ft.±
TOTAL	17,251 cu.ft.±

PROFESSIONAL CERTIFICATION

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. #34684, Expiration Date: 7/08/2015.

SWM DESIGN/CONCEPT NARRATIVE

The purpose of this plan is to provide a parking lot for Celebration Church within the BGE right-of-way. The parking lot is proposed within a transmission corridor that is free of natural resources such as woods, wetlands or streams. The majority of the proposed parking drive aisles and stalls are treated using concrete pavers or equivalent (environmental site design practices). The remaining proposed impervious areas (access drive, turning drive aisles and portion of a drive aisle that is located within HSG ID) are treated using non-rooftop disconnects treating the minimum Pe of 1.0". Due to BGE's limitations for future underground and above ground needs within the transmission right-of-way, no other ESD practices could be utilized. Our calculations demonstrate that utilizing the concrete pavers in the parking lot and utilizing the non-rooftop disconnects for the remaining of the driveways, we are meeting the Target ESDv of 16,279 cu.ft.

ENVIRONMENTAL CONCEPT PLAN
CELEBRATION CHURCH
PARKING LOT
(within BGE Right-Of-Way)

TAX MAP 36 GRID 12
6TH ELECTION DISTRICT

PARCEL 557
HOWARD COUNTY, MARYLAND

FSH Associates
Engineers Planners Surveyors
8339 Howard Lane, Elkridge, MD 21075
Tel: 410-567-5200 Fax: 410-798-1562
E-mail: info@fsh.com

DESIGN BY: MLT4ZF
DRAWN BY: SMT4CRH2
CHECKED BY: ZYF
SCALE: 1" = 40'
DATE: July 10, 2014
W.O. No.: 3651
SHEET No.: 1 OF 1

Disconnect Treatment (N-2)

D.A.	TREATED AREA (Square Feet ±)
(I)	614
(J)	177
(K)	1882
(L)	7825
(M)	568
(N)	564
(O)	1828
(P)	1828
(Q)	319
(R)	159
(S)	160
(T)	720
(U)	319
(V)	158
(W)	161
(X)	3960
TOTAL	21,247

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