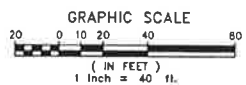


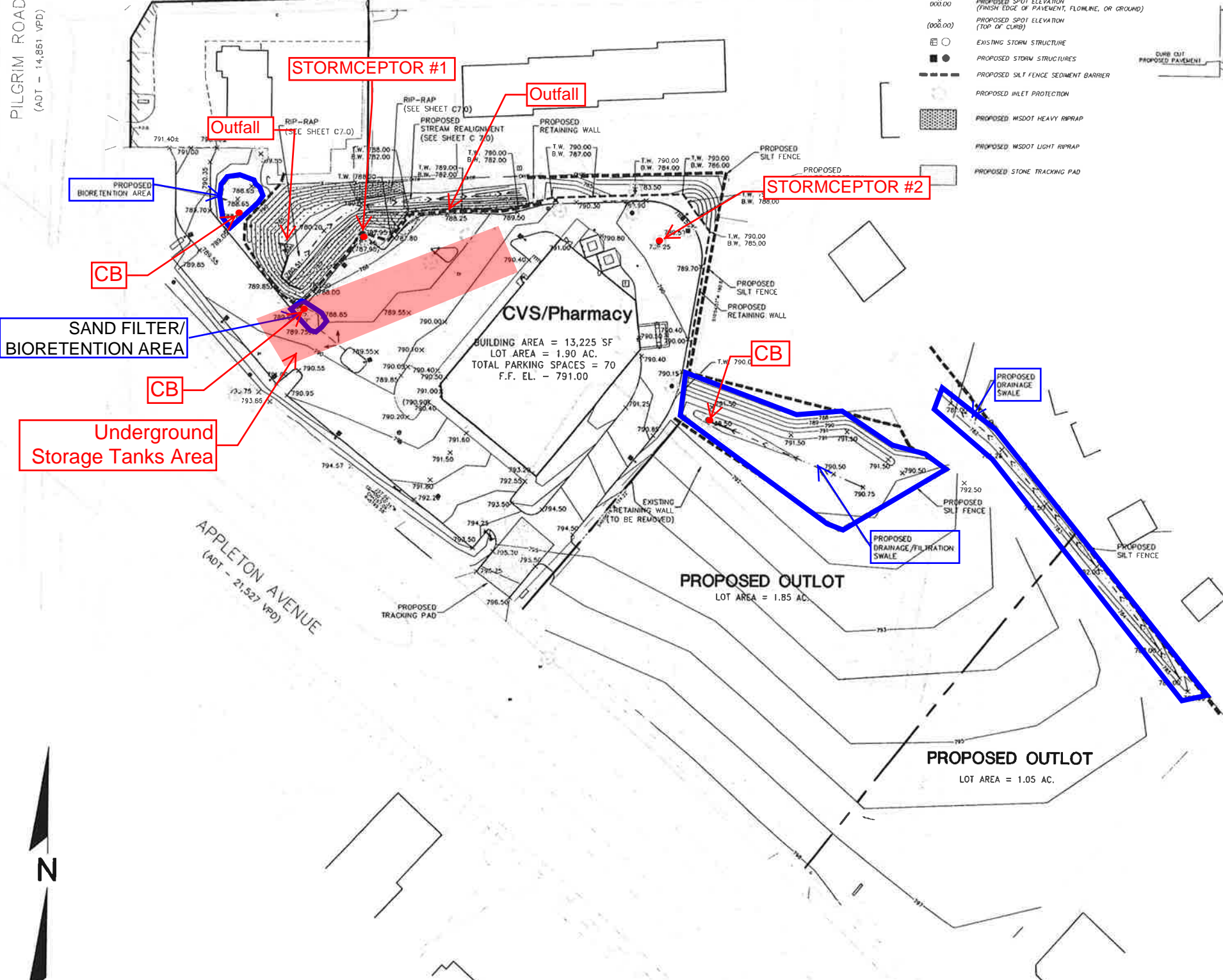
PILGRIM ROAD
(ADT - 14,861 VPD)

MENOMONEE AVENUE
(ADT - 3,824 VPD)

APPLETON AVENUE
(ADT - 21,527 VPD)

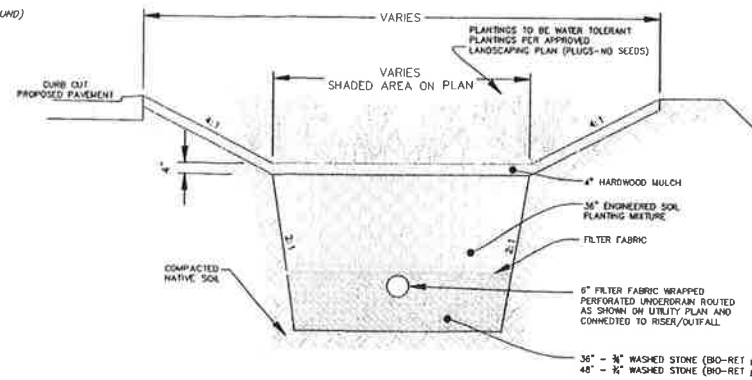


**REVIEW SET ONLY -
NOT FOR CONSTRUCTION**



LEGEND

- 780 — PROPOSED CONTOUR LINE
- - 780 - - EXISTING CONTOUR LINE
- EXISTING SPOT ELEVATION
- X 000.00 PROPOSED SPOT ELEVATION (FINISH EDGE OF PAVEMENT, FLOWLINE, OR GROUND)
- X (000.00) PROPOSED SPOT ELEVATION (TOP OF CURB)
- EXISTING STORM STRUCTURE
- PROPOSED STORM STRUCTURES
- PROPOSED SILT FENCE SEDIMENT BARRIER
- PROPOSED INLET PROTECTION
- PROPOSED MSDOT HEAVY RIPRAP
- PROPOSED MSDOT LIGHT RIPRAP
- PROPOSED STONE TRACKING PAD



BIORETENTION NOTES:

1. SURFACE MULCH LAYER: SHREDED HARDWOOD MULCH OR CHIPS. Aged a minimum of 12 months shall be placed on the surface of the bioretention area. The mulch shall be free of foreign material, including other plant material.
2. ENGINEERED SOIL PLANTING BED: THE SURFACE SLOPE OF THE DEVICE SHALL NOT EXCEED 1%. THE SOIL SHALL BE ENGINEERED TO THE FOLLOWING SPECIFICATIONS:
 - A. THE PLANTING MIXTURE SHALL CONSIST OF A MIXTURE OF SAND, COMPOST AND TOPSOIL. THE MIX SHALL BE DESIGNED TO APPROXIMATE 40% SILICA SAND, 30% TOPSOIL, & 30% LOAM TEXTURE TO 30% IF SANDY LOAM OR LOAMY SAND TEXTURE. 30%-40% COMPOST. NOTE: THIS MIXTURE MEETS THE EQUIVALENCY REQUIREMENTS OF S. M1 151.12(5)(CS)1, WIS. ADM. CODE.
 - B. THE SILICA SAND COMPONENT SHALL BE USDA COARSE SAND (0.075 TO 0.04 INCH DIAMETER), FREE-DRYING TO REMOVE CLAY AND SILT PARTICLES, AND WELL-DRAINED OR DRY PRIOR TO MIXING. CALCIUM CARBONATED, DOLOMITIC SAND, AND OTHER SUBSTITUTIONS ARE NOT ALLOWED.
 - C. THE TOPSOIL COMPONENT SHALL BE A USDA CLASSIFIED SANDY LOAM LOAMY SAND OR LOAM TEXTURE. THE TOPSOIL COMPONENT TEXTURAL CLASS SHALL BE VERIFIED BY A LABORATORY ANALYSIS OF A PROFESSIONAL ACCEPTABLE TO THE JURISDICTION HAVING AUTHORITY.
 - D. THE COMPOST COMPONENT SHALL MEET THE REQUIREMENTS OF WISCONSIN DEPARTMENT OF NATURAL RESOURCES' SPECIFICATION 5100, COMPOST.
 - E. THE ENGINEERED SOIL MIX SHALL BE FREE OF ROCKS, STUMPS, ROOTS, BRUSH OR OTHER MATERIAL OVER 1 INCH IN DIAMETER. NO OTHER MATERIALS SHALL BE MIXED WITH THE PLANTING SOIL THAT MAY BE HARMFUL TO PLANT GROWTH OR PROVIDE A BARRIER TO PLANTING OR MAINTENANCE.
 - F. THE ENGINEERED SOIL MIX SHALL HAVE A PH BETWEEN 5.5 AND 6.5.
 - G. THE ENGINEERED SOIL MIX SHALL HAVE ADEQUATE NUTRIENT CONTENT TO MEET PLANT GROWTH REQUIREMENTS.
3. STORAGE LAYER: THE GRAVEL SHALL MEET THE COARSE AGGREGATE #2 AND OTHER SPECIFICATIONS OF WISCONSIN STANDARDS AND SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, SECTION 501.2.5, 2003 EDITION, OR AN EQUIVALENT AS APPROVED BY THE ADMINISTERING AUTHORITY. GRAVEL SHALL BE DOUBLE-WASHED. A LAYER OF SAND MAY BE USED IN LIEU OF GRAVEL TO FORM THE STORAGE LAYER. THE SAND SHALL BE WASHED QUARTZ SILICA SAND PARTICLES SHALL BE 0.02 TO 0.04 INCHES IN DIAMETER (USDA COARSE SAND). CALCIUM CARBONATED, DOLOMITIC SAND, AND OTHER SUBSTITUTIONS ARE NOT ALLOWED.

BIORETENTION AREA TYPICAL SECTION

NO SCALE

NOTE:
ALL WATER FROM CONSTRUCTION DE-WATERING SHALL BE TREATED IN ACCORDANCE WITH WDNR TECHNICAL STANDARD 1061 PRIOR TO DISCHARGE TO WATERS OF THE STATE, WETLANDS, OR OFFSITE.

DESCRIPTION	DATE	REVISION
	06/23/10	REVISED PER VILLAGE COMMENTS
	10/22/10	REVISED PER MDP/ALLIANCE COMMENTS
R.A. Smith National Beyond Surveying and Engineering		
15746 W. Bluemound Road, Brookfield, WI 53005-5933 262-781-1000 Fax: 262-781-8466, www.ra-smith.com		
CVS/PHARMACY MENOMONEE FALLS, WI GRADING AND EROSION CONTROL PLAN		
© COPYRIGHT 2008 R.A. Smith National, Inc. DATE: 06/23/10 SCALE: 1" = 40' JOB NO: 3080492 PROJECT MANAGER: ROBERT J. HARLEY, P.E. DESIGNED BY: JAH CHECKED BY: RJH SHEET NUMBER C 3.0		

DEVELOPER:
GB WISCONSIN 2, LLC
800 EAST 96TH STREET
SUITE 150
INDIANAPOLIS, INDIANA 46240
TEL 317/819-0117
FAX 317/574-7336

CVS/
pharmacy
LEFT HAND - 13,225
SCOPE NUMBER: 52344
APPLETON AVE. & PILGRIM RD.(NEC)
MENOMONEE FALLS, WI
DESIGN TYPE NEW