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Stormwater Management Submittal
800 Parkview Boulevard, Lombard

Best Management Practices

The proposed best management practices for the site include the installation of sediment and erosion control during construction, site stabilization and restoration and the use of permeable pavers for water quality treatment and volume control.

Volume Control Best Management Practice

Impervious Area:

New Impervious	11,507 sf
Existing Reduction	307 sf
Post 1992 Impervious	<u>3,001 sf</u>
Net New Impervious Area	14,815 sf

Runoff Volume: $1.25'' * 14,815 \text{ sf}/12 = \mathbf{1,543 \text{ cf}}$

Detention Basin

Impervious Area

Net New Impervious Area $14,815 \text{ sf} = 0.34 \text{ ac}$

Per the DuPage County Unit Area Figure

$0.56 \text{ ac-ft/ac} * 0.34 \text{ ac} = 0.190 \text{ ac-ft} = 8,276 \text{ cf} + 157 \text{ cf (2015 detention being filled)}$

Total detention volume required = 8,433 cf