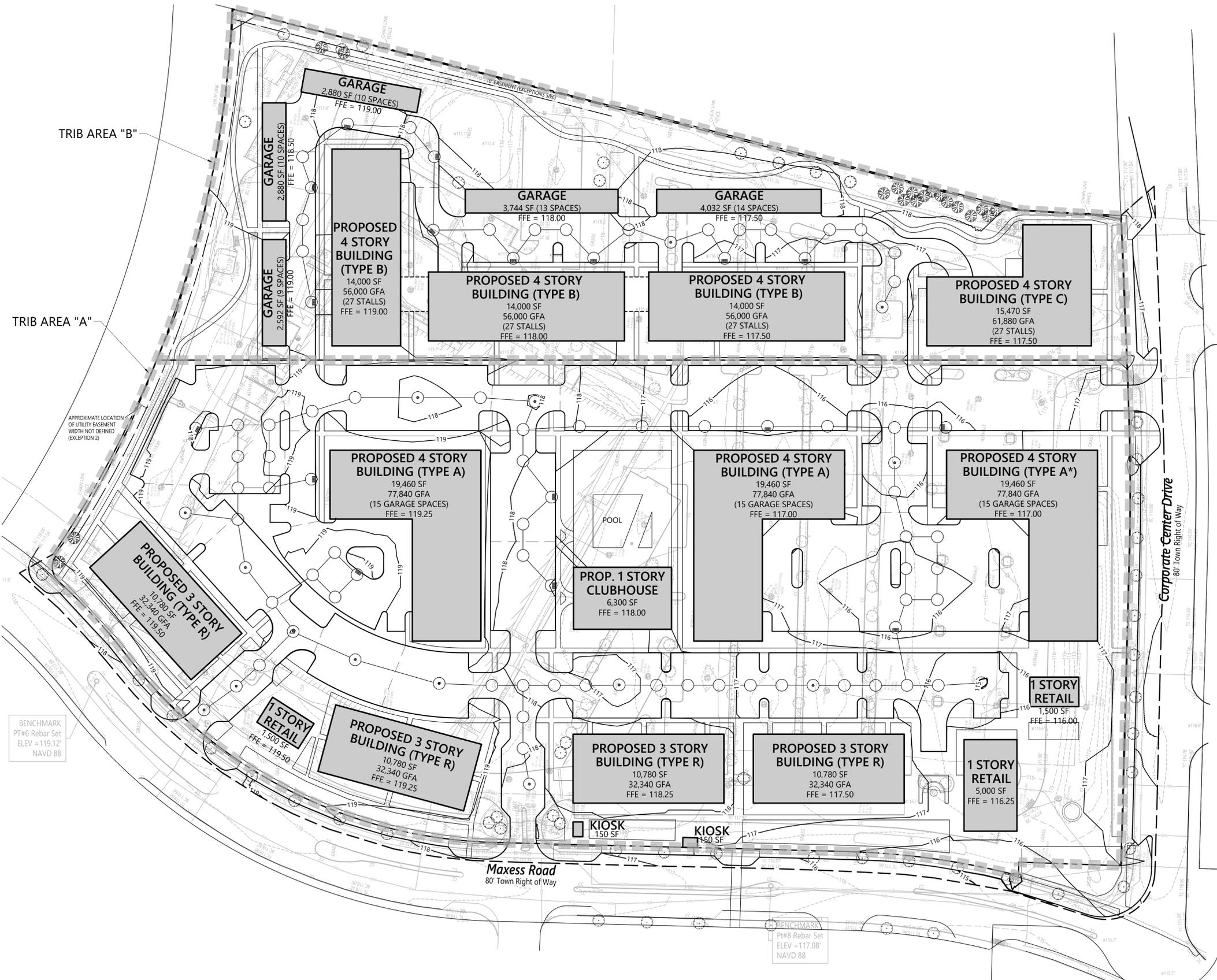




Appendix C

Preliminary Overall Grading & Drainage Plan

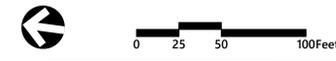


Drainage Area A - Proposed

Contributing Area (SF)	Runoff (C)	Rainfall (Ft)	Volume (CF)
REQUIRED STORAGE VOLUME CALCULATION FOR 3" RAINFALL			
impervious	403,758 SF x	1.0 x	3/12 = 100,940
pervious	89,357 SF x	0.30 x	3/12 = 6,702
			TOTAL = 107,641
PROVIDED STORAGE VOLUME DESIGN			
Drainage Area "A": Use (67) 12 FT Diameter Drainage Leaching Pools @ 16 FT Effective Depth @ 100.88 CF / VF			
67 x 16 FT EFF. DEPTH x 100.88 CF/VF = 108,143.36 CF			
TOTAL = 108,143.36 CF O.K.			

Drainage Area B - Proposed

Contributing Area (SF)	Runoff (C)	Rainfall (Ft)	Volume (CF)
REQUIRED STORAGE VOLUME CALCULATION FOR 3" RAINFALL			
impervious	133,023 SF x	1.0 x	3/12 = 33,256
pervious	97,664 SF x	0.30 x	3/12 = 7,325
			TOTAL = 40,581
PROVIDED STORAGE VOLUME DESIGN			
Drainage Area "B": Use (26) 12 FT Diameter Drainage Leaching Pools @ 16 FT Effective Depth @ 100.88 CF / VF			
26 x 16 FT EFF. DEPTH x 100.88 CF/VF = 41,966.08 CF			
TOTAL = 41,966.08 CF O.K.			



No.	Revision	Date	App'd

<p>Redevelopment Plan for 75 Maxess Road, Melville NY Town of Huntington, Suffolk County, New York District 0400 Section 268.00 Block 02.00 Lot 003.000 & 017.009</p>	
<p>Owner: Applicant: Professional's Seal and Signature</p>	<p>Drawing Number C2.00</p> <p>Drawing Title Preliminary Overall Grading & Drainage Plan</p>
<p>Engineering, Surveying, Landscape Architecture and Geology, PC 100 Motor Parkway Suite 350 Hauppauge, NY 11788 631.787.3400 - f 631.813.2545</p>	
<p>Project Number 22734.00</p>	<p>Scale 1" = 50'</p>
<p>Date Sept. 17, 2025</p>	<p>Sheet 1 of 1</p>