

DRAINAGE MEMO:

To: Town of Manlius
301 Brooklea Drive
Fayetteville, NY 13066

Date: January 4, 2024

From: Rudy Zona, P.E., RZ Engineering, PLLC

Re: Fayetteville Vet
Drainage Analysis for Site Improvements
8122 East Genesee Street
Town of Manlius, NY

To Whom This May Concern,

Our office had previously prepared a full SWPPP for the above referenced site in May of 2022. This analysis was performed with respect to the proposed site improvements to analyze existing to proposed conditions. The site has been slightly altered as part of Keplinger Freeman's December 2023 submission. This memo has been prepared to address changes in runoff from the proposed site improvements, as well as, the effects the revised improvements will have on the stormwater management systems presented in the May 2022 SWPPP.

The proposed condition from the 5/1/22 SWPPP within DA-1 consisted of 0.37 acres of impervious surfaces contributory to the stormwater mitigation measures. The December 2023 proposal includes a total of 0.34 acres of impervious surfaces as part of the site improvements. Therefore, there is a 9% decrease of impervious cover, as a result of the reduction in building footprint in the December 2023 proposal and the stormwater calculations in the May 2022 SWPPP are therefore, conservative. The May 2022 prepared SWPPP and stormwater BMP's are therefore, sufficient to treat the December 2023 proposed site improvements.

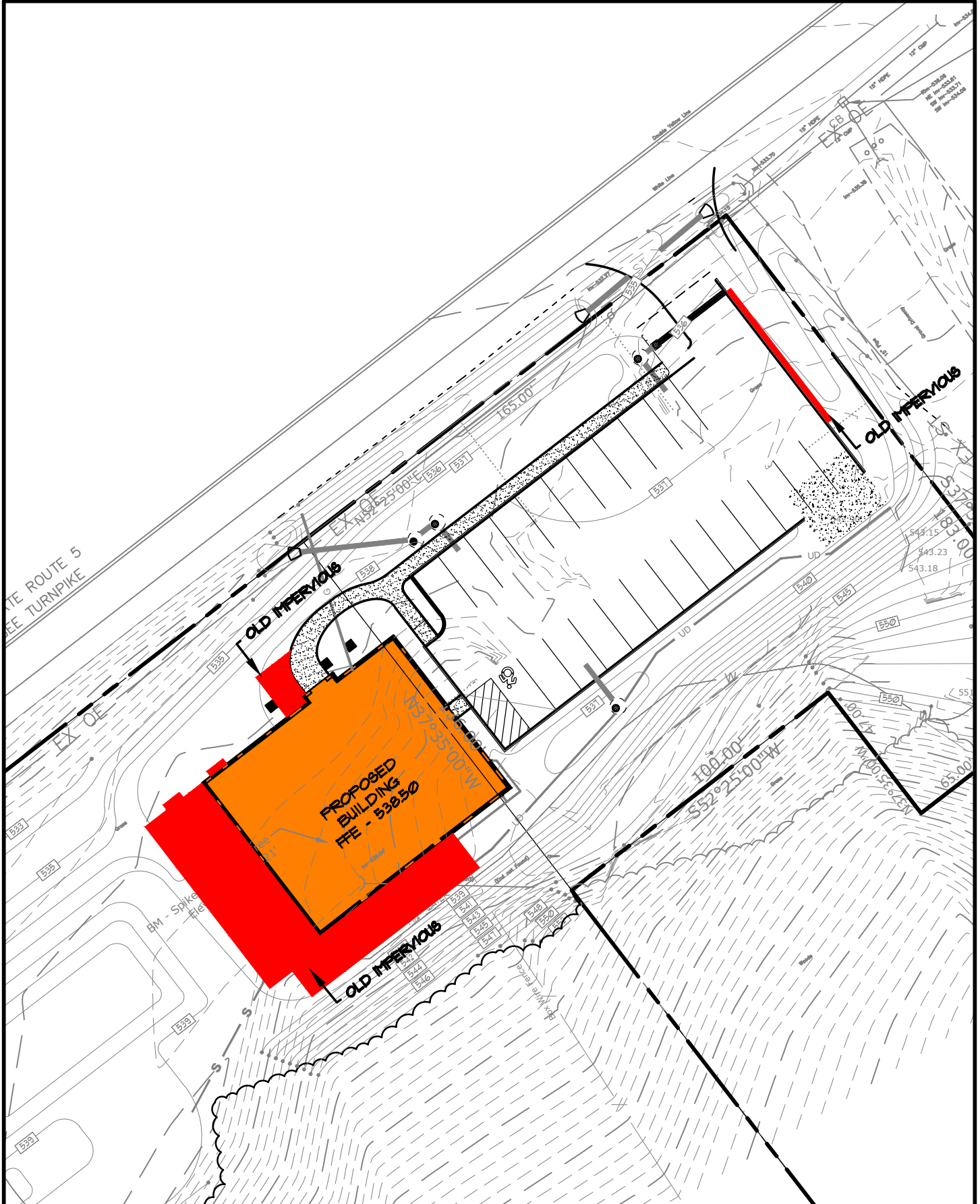
The existing watershed and proposed watersheds for the site are unchanged from the 2022 SWPPP.

Calculations can be provided upon request. If you have any questions, please feel free to contact our office.

Very Truly Yours,



Rudy L. Zona, P.E.



RZ Engineering, PLLC
 STORMWATER SANITARY WATER ENVIRONMENTAL TRANSPORTATION
 6320 FLY ROAD, SUITE 109
 EAST SYRACUSE, NY 13057
 PH (315) 432-1089

FAYETTEVILLE VETERINARY HOSPITAL
 IMPERVIOUS CHANGE
 SCALE 1:40

FIGURE 12



