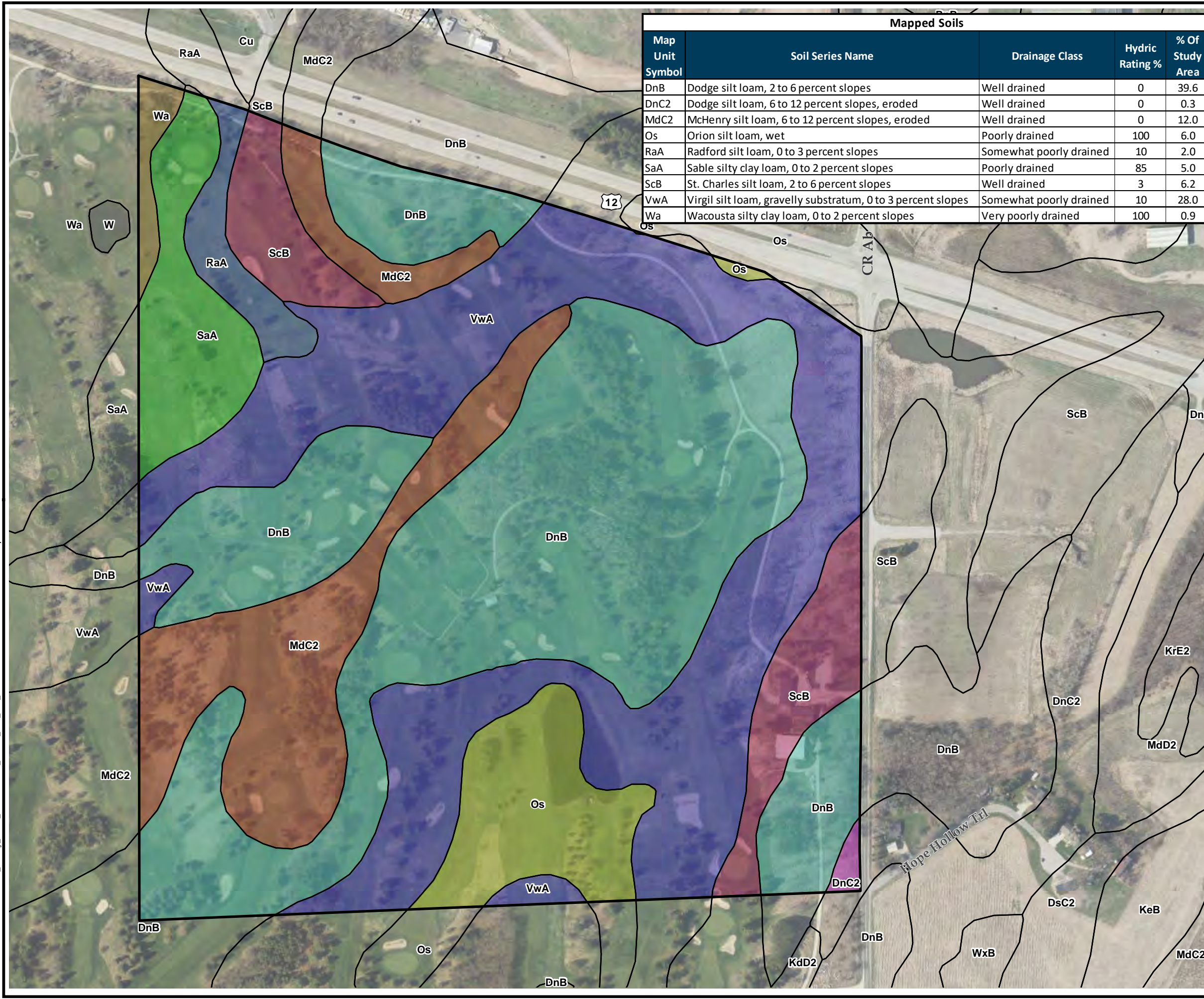


Attachment N

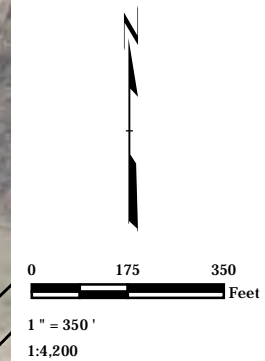
Soil Maps




STUDY AREA

	DODGE SILT LOAM, 2 TO 6 PERCENT SLOPES
	DODGE SILT LOAM, 6 TO 12 PERCENT SLOPES, ERODED
	MCHENRY SILT LOAM, 6 TO 12 PERCENT SLOPES, ERODED
	ORION SILT LOAM, WET
	RADFORD SILT LOAM, 0 TO 3 PERCENT SLOPES
	SABLE SILTY CLAY LOAM, 0 TO 2 PERCENT SLOPES
	ST. CHARLES SILT LOAM, 2 TO 6 PERCENT SLOPES
	VIRGIL SILT LOAM, GRAVELLY SUBSTRATUM, 0 TO 3 PERCENT SLOPES
	WACOUSTA SILTY CLAY LOAM, 0 TO 2 PERCENT SLOPES

1. BASE MAP IMAGERY FROM DANE COUNTY, 2020.
2. SOILS DATA ACQUIRED FROM USDA/NRCS SSURGO DATABASE.



PROJECT:		DANE COUNTY WASTE & RENEWABLES DEPARTMENT YAHARA HILLS GOLF COURSE DELINEATION MADISON, DANE COUNTY, WISCONSIN	
TITLE:			
NRCS SOILS MAP			
DRAWN BY:	R. SUENMICH	PROJ. NO.:	275981
CHECKED BY:	A. LARSEN	FIGURE 3	
APPROVED BY:	R. LONDR		
DATE:	DECEMBER 2021		
		6737 W Washington St., Suite 2100 West Allis, WI 53214 Phone: 262.879.1212 www.trccompanies.com	
FILE NO.:		275981-003.mxd	



- Study Area (72.70 ac)
- NRCS Soil Survey Data**
- Hydric (100%)
 - Predominantly Hydric (85-99%)
 - Partially Hydric (16-84%)
 - Predominantly Non-Hydric (1-15%)
 - Non-Hydric (0%)



Heartland
ECOLOGICAL GROUP INC

Figure 3. NRCS
Hydric Soils
Yahara Hills Golf Course
Project #20220702
T7N, R10E, S25 & 36
C Madison, Dane Co

2020 NAIP
NRCS



Table 1. Summary of NRCS Mapped Soils within the Study Area

Soil symbol: Soil Unit Name	Soil Unit Component	Soil Unit Component Percentage	Landform	Hydric status
DnB: Dodge silt loam, 2 to 6 percent slopes	Dodge	80-95	Drumlins	No
	St. Charles	3-10	Drumlins	No
	Mayville	2-7	Drumlins	No
	Lamartine	0-3	Drumlins	No
DnC2: Dodge silt loam, 6 to 12 percent slopes, eroded	Dodge-Eroded	80-90	Drumlins	No
	St. Charles-Eroded	7-13	Till plains	No
	McHenry-Eroded	3-7	Moraines	No
KdD2: Kidder loam, 12 to 20 percent slopes, eroded	Kidder-Eroded	90-100	Moraines	No
	Casco-Eroded	0-5	Moraines	No
	McHenry	0-5	Moraines	No
MdC2: McHenry silt loam, 6 to 12 percent slopes, eroded	McHenry-Eroded	85-95	Moraines	No
	Kendall	2-7	Drainageways	No
	Kidder-Eroded	3-8	Moraines	No
Os: Orion silt loam, wet	Orion variant-Wet	85-95	Flood plains	Yes
	Otter	2-6	Flood plains	Yes
	Wacousta	2-5	Flood plains	Yes
	Sable	1-4	Flood plains	Yes
ScB: St. Charles silt loam, 2 to 6 percent slopes	St. Charles	80-90	Till plains	No
	St. Charles-Moderately well drained	5-10	Till plains	No
	Virgil	3-5	Till plains	No
	Pella	2-5	Drainageways	Yes
VwA: Virgil silt loam, gravelly substratum, 0 to 3 percent slopes	Virgil-Gravelly substratum	85-95	Drainageways on outwash plains	No
	Drummer-Drained	2-6	Depressions on outwash plains	Yes
	Sebewa	2-5	Depressions on outwash plains	Yes



Soil symbol: Soil Unit Name	Soil Unit Component	Soil Unit Component Percentage	Landform	Hydric status
	Sable	1-4	Depressions on outwash plains	Yes
WxB: Whalan silt loam, 2 to 6 percent slopes	Whalan	100	Hills	No

Wetland determination data sheets (Attachment 3) were completed at one (1) sample where potential wetlands may be present based on the desktop review and field reconnaissance. Attachment 4 provides photographs, typically at the sample point locations and other representative locations of the Study Area. The sample point locations are shown on Figure 6.

Vegetation at the sample point location was comprised of shrub-scrub community at the edge of maintained fairway turf. Dominate species included smooth brome grass Kentucky blue grass (*Poa pratensis*, FACU), honey locust (*Gleditsia triacanthos*, FAC) and red pine (*Pinus resinosa*, FACU). Therefore, the hydrophytic vegetation criteria was not satisfied. No field indicators of hydric soils or indicators of wetland hydrology were observed.

Based on the results of the wetland determination, no wetlands are present within the limits of the Study Area.

Heartland recommends that all applicable regulatory agency reviews and permits are obtained prior to beginning work within the Study Area. Heartland can assist with evaluating the need for additional environmental reviews, surveys, or regulatory agency coordination in consideration of the proposed activity and land use as requested but is outside of the scope of the wetland determination.

Experienced and qualified professionals completed the wetland determination using standard practices and professional judgment. Wetland determinations may be affected by conditions present within the Study Area at the time of the fieldwork. All final decisions on wetlands are made by the USACE, the WDNR, and/or sometimes a local unit of government. Wetland determination reviews by regulatory agencies may result in modifications to the findings presented to the Client. These modifications may result from varying conditions between the time the wetland determination was completed and the time of the review. Factors that may influence the findings may include but not limited to precipitation patterns, drainage modifications, changes or modification to vegetation, and the time of year.

Please feel free to contact me if you have any questions regarding this wetland determination.

Regards,

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608.490.2450 Ext. 2