SUMMARY OF ROUTINE LEVEL 1 WETLAND DELINEATION

NORTH LINE OF THE SE 1/4 OF NE 1/4 _ / SEC. 26, TMP. 30, RNG. 23

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SOO LINE RAILROAD

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<u>923.79 RM</u>

926

SOO STREET (RAMSEY CO. RD. NO. 1; A ROUTINE LEVEL 1 WETLAND DELINEATION WAS CONDUCTED FOR THIS SITE IN MARCH 2021 USING READILY AVAILABLE OFFSITE MAPPING RESOURCES. EXAMINATION OF SOIL SURVEY DATA, TOPOGRAPHY, AERIAL IMAGERY AND NATIONAL WETLANDS INVENTORY MAPPING WAS USED TO DETERMINE THE POTENTIAL PRESENCE OF WETLAND AREAS AND APPROXIMATE BOUNDARIES.

AT THE TIME OF THE OFFSITE INVESTIGATION, TWO POTENTIAL WET AREAS WERE DISCOVERED AND MARKED ON THE ADJACENT SURVEY; BOTH LOCATED IN LOW DEPRESSIONAL AREAS WHERE REMNANT VEGETATION IS PRESENT.

THIS ROUTINE LEVEL 1 WETLAND DELINEATION METHOD HAS BEEN DEEMED APPROPRIATE FOR THE SITE AS THERE IS SUFFICIENT OFFSITE INFORMATION AVAILABLE AND PARTICULAR DEVELOPMENT ACTIVITIES HAVE NOT YET BEEN DETERMINED FOR THE PARCEL. SHOULD DEVELOPMENT ACTIVITIES OCCUR WITHIN THE NEXT 3-5 YEARS NEAR THE POTENTIAL WET AREAS, THEN A LEVEL 2 , ONSITE WETLAND DELINEATION SHOULD OCCUR TO FURTHER DETERMINE IF WETLANDS ARE PRESENT, TO COLLECT FIELD DATA AND MARK OUT PHYSICAL BOUNDARIES.

PLEASE REFER TO ATTACHED NWI MAPPING AND WEB SOIL SURVEY DATA FOR FURTHER SITE INFORMATION.

PREPARED BY: HEIDI S. BRINGMAN, CWDP #1196

POTENTIAL WET AREAS= 5,900 SF

DENOTES FOUND IRON PIPE

<u>LEGEND</u>

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(SCALE IN FEET)

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924.12 RI

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12" RCP

- DENOTES FOUND MAGNETIC NAIL
- DENOTES RAMSEY COUNTY LAND CORNER MONUMENT
- DENOTES EXISTING STORM MANHOLE
- DENOTES EXISTING CATCH BASIN
- DENOTES APPROX. LOCATION OF EXISTING CATCH BASIN (STRUCTURE BURIED AND SHOWN PER PLAN PREPARED BY SEH, INC.)
- DENOTES ELECTRIC MANHOLE
- DENOTES EXISTING ROAD SIGN
- DENOTES POWER POLE
- DENOTES LIGHT POLE
- DENOTES POWER POLE/LIGHT POLE
- DENOTES EXISTING BOUNDARY LINE (SEE NOTE REGARDING BOUNDARY)
- DENOTES EXISTING ROAD RIGHT OF WAY LINE
- DENOTES EXISTING RAILROAD RIGHT OF WAY LINE
- DENOTES EXISTING UNDERGROUND ELECTRIC
- DENOTES EXISTING OVERHEAD ELECTRIC
- DENOTES EXISTING UNDERGROUND STORM SEWER
- DENOTES EXISTING UNDERGROUND GAS
- DENOTES EXISTING WATER LINE



PERFORMANCE DRIVEN DESIGN.

21 W. Superior St., Ste. 500 | Duluth, MN 55802 | 218.727.8446

LHBee

CLIENT:

THIS SQUARE APPEARS 1/2" x 1/2" ON FULL SIZE SHEETS.

DATE ISSUED FOR

NO

NO DATE REVISION

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PROJECT NAME:



..\200758\500 Drawings\Base\Wetlands\200758 Wetland Base.dwg FILE: DRAWN BY:

CHECKED BY: PROJ. NO: 200758 DRAWING NO:







U.S. Fish and Wildlife Service National Wetlands Inventory

Rice Street Crossing - Project Location



March 2, 2021

Wetlands

Estuarine and Marine Deepwater

- Estuarine and Marine Wetland
- Freshwater Pond

Freshwater Emergent Wetland

Freshwater Forested/Shrub Wetland

Lake Other Riverine This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.



Conservation Service

Web Soil Survey National Cooperative Soil Survey



Conservation Service



USDA

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Hydric Rating by Map Unit

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
859B	Urban land-Zimmerman complex, 1 to 8 percent slopes	0	7.9	53.9%
1039	Urban land	0	6.7	46.1%
Totals for Area of Interest			14.6	100.0%

Description

This rating indicates the percentage of map units that meets the criteria for hydric soils. Map units are composed of one or more map unit components or soil types, each of which is rated as hydric soil or not hydric. Map units that are made up dominantly of hydric soils may have small areas of minor nonhydric components in the higher positions on the landform, and map units that are made up dominantly of nonhydric soils may have small areas of minor hydric components in the lower positions on the landform. Each map unit is rated based on its respective components and the percentage of each component within the map unit.

The thematic map is color coded based on the composition of hydric components. The five color classes are separated as 100 percent hydric components, 66 to 99 percent hydric components, 33 to 65 percent hydric components, 1 to 32 percent hydric components, and less than one percent hydric components.

In Web Soil Survey, the Summary by Map Unit table that is displayed below the map pane contains a column named 'Rating'. In this column the percentage of each map unit that is classified as hydric is displayed.

Hydric soils are defined by the National Technical Committee for Hydric Soils (NTCHS) as soils that formed under conditions of saturation, flooding, or ponding long enough during the growing season to develop anaerobic conditions in the upper part (Federal Register, 1994). Under natural conditions, these soils are either saturated or inundated long enough during the growing season to support the growth and reproduction of hydrophytic vegetation.

The NTCHS definition identifies general soil properties that are associated with wetness. In order to determine whether a specific soil is a hydric soil or nonhydric soil, however, more specific information, such as information about the depth and duration of the water table, is needed. Thus, criteria that identify those estimated soil properties unique to hydric soils have been established (Federal Register, 2002). These criteria are used to identify map unit components that normally are associated with wetlands. The criteria used are selected estimated soil properties that are described in "Soil Taxonomy" (Soil Survey Staff, 1999) and "Keys to Soil Taxonomy" (Soil Survey Staff, 1993).

If soils are wet enough for a long enough period of time to be considered hydric, they should exhibit certain properties that can be easily observed in the field. These visible properties are indicators of hydric soils. The indicators used to make onsite determinations of hydric soils are specified in "Field Indicators of Hydric Soils in the United States" (Hurt and Vasilas, 2006).

References:

Federal Register. July 13, 1994. Changes in hydric soils of the United States. Federal Register. September 18, 2002. Hydric soils of the United States. Hurt, G.W., and L.M. Vasilas, editors. Version 6.0, 2006. Field indicators of hydric soils in the United States.

Soil Survey Division Staff. 1993. Soil survey manual. Soil Conservation Service. U.S. Department of Agriculture Handbook 18.

Soil Survey Staff. 1999. Soil taxonomy: A basic system of soil classification for making and interpreting soil surveys. 2nd edition. Natural Resources Conservation Service. U.S. Department of Agriculture Handbook 436.

Soil Survey Staff. 2006. Keys to soil taxonomy. 10th edition. U.S. Department of Agriculture, Natural Resources Conservation Service.

Rating Options

Aggregation Method: Percent Present Component Percent Cutoff: None Specified Tie-break Rule: Lower