RECEIVED
Wisconsin Department of Safety & Professional Services
Division of Industry Services
SEP 05 2025



# SOIL EVALUATION REPORT

SNP-25-0164

Walworth County Land Use & Resource Management

In accordance with SPS 385, Wis. Adm. Code

Attach complete site plan on paper not less than 8 1/2 x 11 inches in size. Plan must include, but not limited to vertical and horizontal reference point (BM), direction and percent slope, scale or dimensions, north arrow, and location and distance to nearest road.

**Please print all information.**

Personal information you provide may be used for secondary purposes (Privacy Law, s. 15.04(1)(m)).

| | |
|---|---|
| County: Walworth | |
| Parcel I.D.: CA 3606 00001 | |
| Reviewed by: SS | Date: 9/4/25 |
| Property Owner: Kim and James Krueger | Property Location: Govt. Lot NE ¼ NE ¼ S 1 T 3 N R 15 E (or) W ☐ ☐ |
| Property Owner's Mailing Address: 24532 Sandy Point Drive | Site Address or CSM and Lot #: Lot 1 CSM 3606 |
| City, State, Zip: Wind Lake WI 53185 / Phone Number: ( ) | ☐ City ☐ Village ☒ Town: Richmond / Nearest Road: McCabe |

☒ New Construction ☐ Replacement — Use: ☒ Residential / Number of bedrooms 4 ☐ Public or commercial – Describe: _____

Code derived design flow rate 600 GPD

Flood Plan elevation if applicable _____ ft.

Parent material _____

System Ele. - 94.3 - 93.5

General comments and recommendations: On-Sited: Rick Dorgay Walworth County

**Boring #1** — ☐ Boring ☒ Pit — Ground surface elev. 99.3 ft. — Depth to limiting factor 107 in. / elev. _____ ft.

| Horizon | Depth In. | Dominant Color Munsell | Redox Description Qu. Az. Cont. Color | Texture | Structure Gr. Sz. Sh. | Consistence | Boundary | Roots | Soil Application Rate GPD/Ft² *Eff#1 | Soil Application Rate GPD/Ft² *Eff#2 |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0-6 | 10YR3/2 | | s:l | 2-f-sbk | mfr | cs | 1f | .6 | .8 |
| 2 | 6-36 | 10YR4/4 | | sicl | 2-f-sbk | mfr | cs | 1f | .4 | .6 |
| 3 | 36-46 | 10YR5/6 | | grs | 0-sg | ml | cs | - | .7 | 1.2 |
| 4 | 46-60 | 10YR5/6 | | fs | 0-sg | mlfr | cs | - | .5 | 1.0 |
| 5 | 60-107 | 10YR5/6 | | grls | 0-sg | mf | - | - | .7 | 1.6 |
| | | | | | | | | | | |
| | | | | | | | | | | |

**Boring #2** — ☐ Boring ☒ Pit — Ground surface elev. 100.3 ft. — Depth to limiting factor 119 in. / elev. _____ ft.

| Horizon | Depth In. | Dominant Color Munsell | Redox Description Qu. Az. Cont. Color | Texture | Structure Gr. Sz. Sh. | Consistence | Boundary | Roots | Soil Application Rate GPD/Ft² *Eff#1 | Soil Application Rate GPD/Ft² *Eff#2 |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0-6 | 10YR 3/2 | | sil | 2-f-sbk | mfr | cs | 1f | .6 | .8 |
| 2 | 6-30 | 10YR4/4 | | sicl | 2-c-sbk | mfr | cs | 1f | .4 | .6 |
| 3 | 30-62 | 10YR 4/2 | | grsicl | 2-m-sbk | mfr | cw | - | .4 | .6 |
| 4 | 62-119 | 10YR 5/6 | | grls | 0-sg | mvl | - | - | .7 | 1.6 |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| | | |
|---|---|---|
| CST Name (Please Print): David P Dowe | Signature: David P Dowe | CST Number: 079300009-SP |
| Address: 30 South Church St Elkhorn WI 53121 | Date Evaluation Conducted: 7-28-25 | Telephone Number: 262-728-8063 |

* Effluent #1 = BOD > 30 ≤ 220 mg/L and TSS > 30 ≤ 150 mg/L * Effluent #2 = BOD, ≤ 30 mg/L and TSS ≤ 30 mg/L

SBD-8550 (R03/22)

3 Boring # ☐ Boring ☒ Pit Ground surface elev. 99.4 ft. Depth to limiting factor 108 in. / elev. ____ ft.

| Horizon | Depth in. | Dominant Color Munsell | Redox Description Qu. Az. Cont. Color | Texture | Structure Gr. Sz. Sh. | Consistence | Boundary | Roots | Soil Application Rate GPD/Ft² *Eff#1 | Soil Application Rate GPD/Ft² *Eff#2 |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0-9 | 10YR3/2 | | sil | 2-vf-sbk | mfr | cs | 1f | .6 | .8 |
| 2 | 9-19 | 10YR5/4 | | sil | 2-f-sbk | vfr | cs | 1f | .6 | .8 |
| 3 | 19-27 | 10YR4/4 | | cl | 2-f-sbk | mfr | gs | - | .4 | .6 |
| 4 | 27-48 | 10YR4/6 | | gcl | 2-m-sbl | mfr | gs | - | .4 | .6 |
| 5 | 48-108 | 10YR6/6 | | grls | 0-sg | ml | - | - | .7 | 1.6 |
| | | | | | | | | | | |
| | | | | | | | | | | |

☐ Boring # ☐ Boring ☐ Pit Ground surface elev. ____ ft. Depth to limiting factor ____ in. / elev. ____ ft.

| Horizon | Depth in. | Dominant Color Munsell | Redox Description Qu. Az. Cont. Color | Texture | Structure Gr. Sz. Sh. | Consistence | Boundary | Roots | Soil Application Rate GPD/Ft² *Eff#1 | Soil Application Rate GPD/Ft² *Eff#2 |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

☐ Boring # ☐ Boring ☐ Pit Ground surface elev. ____ ft. Depth to limiting factor ____ in. / elev. ____ ft.

| Horizon | Depth in. | Dominant Color Munsell | Redox Description Qu. Az. Cont. Color | Texture | Structure Gr. Sz. Sh. | Consistence | Boundary | Roots | Soil Application Rate GPD/Ft² *Eff#1 | Soil Application Rate GPD/Ft² *Eff#2 |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

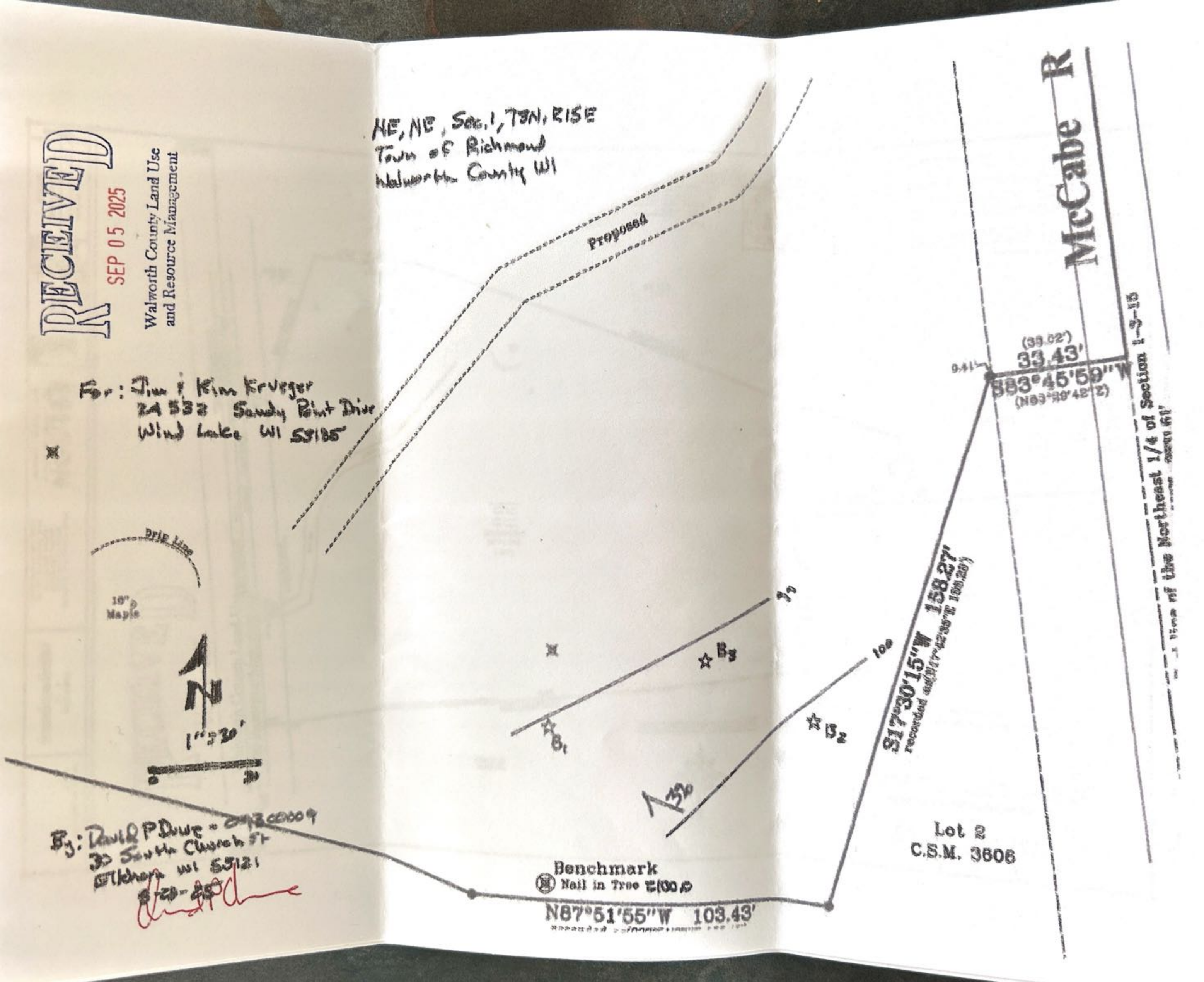
* Effluent #1 = BOD > 30 ≤ 220 mg/L and TSS > 30 ≤ 150 mg/L

* Effluent #2 = BOD, ≤ 30 mg/L and TSS ≤ 30 mg/L

RECEIVED
SEP 05 2025
Walworth County Land Use and Resource Management

NE, NE, Sec. 1, T3N, R15E
Town of Richmond
Walworth County WI

For: Tim & Kim Krueger
24532 Sandy Point Drive
Wind Lake WI 53185




B1: David P Dowe = 2023-0000 9
30 South Church St
Elkhorn WI 53121
8-28-25

# Plat of Survey

of

Lot 1 of Certified Survey Map No. 3618,

RECEIVED
SEP 05 2025

Walworth County Land Use and Resource Management

OLSON

## SOIL TEST SYSTEM ELEVATION DETERMINATION

| BORING NUMBER | SURFACE ELEVATION (A) | MINIMUM DEPTH (INCHES TO FEET) ____ / 12 = (B) | SHALLOWEST SYSTEM MAY BE ___ ELEVATION (A) - (B) = (C) | DEPTH TO LIMITING FACTOR (INCHES TO FEET) ____ / 12 = (D) | ELEVATION OF LIMITING FACTOR (A) - (D) = (E) | DEEPEST SYSTEM MAY BE (ELEVATION) (E) + 3ft. = (F) |
|---|---|---|---|---|---|---|
| 1 | 99.3 | 60 5 | 94.3 | 107 7.92 | 90.38 | 93.38 |
| 2 | 100.3 | 62 5.17 | 95.13 | 119 9.92 | 90.38 | 93.38 |
| 3 | 99.4 | 47 4.0 | 95.4 | 107 9 | 90.4 | 93.4 |

| PRIMARY AREA | LOWEST ELEVATION FROM ABOVE (C) = 94.30 | ACCEPTABLE SYSTEM ELEVATION RANGE (C) to (F) | HIGHEST ELEVATION FROM ABOVE (F) = 93.40 |
|---|---|---|---|
| | | | |
| | | | |
| | | | |

| SECONDARY AREA | LOWEST ELEVATION FROM ABOVE (C) = | ACCEPTABLE SYSTEM ELEVATION RANGE (C) to (F) | HIGHEST ELEVATION FROM ABOVE (F) = |
|---|---|---|---|

COMMENTS: