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Date: September 3, 2024

Our Ref: 30168807

Subject: Deep Aquifer Bedrock Well Design and Long-Term Monitoring
Update – Quarterly Deep Private Well Update (June - July 2024)
Tyco Fire Technology Center, Marinette, WI
BRRTS# 02-38-580694

Dear Ms. Sellwood,

On behalf of Tyco Fire Products LP (Tyco), Arcadis U.S., Inc. (Arcadis) prepared this Quarterly Deep Private Well Update in response to the Wisconsin Department of Natural Resources (WDNR) letter dated November 17, 2023. The November 2023 WDNR letter commented on the submittal of a quarterly deep private well update starting in February 2024 and lasting through the final deep well installations.

To fulfill the WDNR request, Arcadis is providing the current deep private well installation status update regarding the Potable Well Sampling Area (PWSA). This includes the information requested within the November 2023 WDNR letters.

Tyco continues to investigate per- and poly-fluoroalkyl substances (PFAS) potentially related to the Tyco Fire Technology Center located at 2700 Industrial Parkway South in Marinette, Wisconsin (the Site; **Figure 1**).

Continued Efforts For Deep Replacement Potable Wells

Tyco continues to install private deep bedrock wells as a drinking water solution for neighbors that request to participate in the program. By the end of July 2024, Tyco successfully completed private replacements for 55 wells (**Table X.4**) and has agreements to install 66 additional wells. Table X.4 also includes status of sampling of the new deep replacement potable wells. Copies of the letter notifications provided to residents with their results are sent separately to the WDNR via email. All data provided to date continue to support deep wells as a permanent drinking water solution for the PWSA.

The next deep private residential quarterly update will be submitted in fourth quarter of 2024.

Deep Aquifer Bedrock Well Design – Quarterly Deep Private Well Update
September 3, 2024

Sincerely,
Arcadis U.S., Inc.

A handwritten signature in blue ink, appearing to read "Matt Coleman", with a long, sweeping flourish extending to the right.

Matt Coleman
Project Communications Manager

CC. Denice Nelson, JCI
Scott Wahl, JCI

Enclosures:
Table X.4 - LTDW Deep Well Installation Progress Update
Figure 1

Table X.4
Quarterly Deep Private Well Update
Tyco Fire Products LP
Marinette, Wisconsin



| WI Unique Well ID | Parcel Number | House Number | Street Name | Previous Well ID | Replacement Well ID | Well Depth (ft bgs) | Retrofit Liner | Well Replacement Date | Sampling Date #1 | Sampling Date #2 | Sampling Date #3 | Sampling Date #4 | Sampling Date #5 - Final |
|-------------------|-----------------|--------------|---------------------------------|------------------|---------------------|---------------------|----------------|-----------------------|------------------|------------------------------------|------------------|------------------|--------------------------|
| AAW650 | 024-02229.000 | N2881 | Shore Drive | WS-072 | WS-072R | 562 | N | 12/6/2022 | 12/12/2022 | 12/12/2023; 1/20/2023 | 3/21/2023 | 10/31/2023 | 12/26/2023 |
| AAW649 | 024-02253.001 | N2713 | Shore Drive | WS-132 | WS-132R | 542 | N | 12/5/2022 | 12/12/2022 | 1/26/2023; 1/27/2023 | 6/20/2023 | -- | 3/14/2024 |
| AAV479 | 024-01345.001 | W964 | County Road B | WS-037 | WS-037R | 520 | N | 1/15/2023 | 1/16/2023 | 1/31/2023 | 5/24/2023 | -- | 5/3/2024 |
| AAV483 | 024-01855.000 | W889 | County Road B | WS-133 | WS-133R | 510 | N | 2/1/2023 | 2/2/2023 | 2/7/2023 | 6/20/2023 | -- | 3/11/2024; 4/29/2024 |
| AAT584 | 024-01856.007 | N2816 | Stanley Lane | WS-120 | WS-120R | 480 | N | 2/15/2023 | 2/16/2023 | 2/21/2023 | 6/21/2023 | -- | 3/15/2024 |
| AAV497 | 024-01812.007 | W716 | County Road B | WS-054 | WS-054R | 600 | N | 3/22/2023 | 3/23/2023 | 6/22/2023; 7/10/2023; 8/24/2023 | 2/13/2024 | 5/1/2024 | -- |
| AAV516 | 024-01344.001 | W959 | County Road B | WS-034 | WS-034R | 540 | N | 5/19/2023 | 5/22/2023 | 5/30/2023 | 10/31/2023 | 2/12/2024 | 5/1/2024 |
| AAV515 | 024-01849.001 | W905 | County Road B | WS-053 | WS-053R | 520 | N | 5/18/2023 | 5/19/2023 | 6/2/2023 | -- | 3/7/2024 | 6/26/2024 |
| AAZ789 | 024-01851.000 | W896 | County Road B | WS-126 | WS-126R | 480 | Y ¹ | 6/16/2023 | 9/6/2023 | 10/31/2023 | 4/10/2024 | 6/3/2024 | -- |
| ABO263 | 024-01852.000 | W877 | Madsen Road | WS-122 | WS-122R | 520 | N | 9/5/2023 | 9/7/2023 | 10/3/2023 | 3/18/2024 | 6/18/2024 | -- |
| ABO302 | 024-02196.000 | W461 | University Drive | WS-062 | WS-062R | 540 | N | 9/7/2023 | 9/12/2023 | 10/11/2023 | 3/18/2024 | 6/20/2024 | -- |
| AAZ791 | 024-01354.001 | W924 | Rader Road | WS-112 | WS-112R | 484 | N | 8/28/2023 | 9/26/2023 | 9/28/2023 | 2/13/2024 | 5/1/2024 | -- |
| AAZ785 | 024-01856.012 | N2778 | Stanley Lane | WS-142 | WS-142R | 522 | N | 6/26/2023 | 9/27/2023 | 10/20/2023 | 2/15/2024 | 6/7/2024 | -- |
| ABO946 | 024-02230.001 | N2861 | Shore Drive | WS-090 | WS-090R | 542 | N | 9/21/2023 | 10/5/2023 | 10/10/2023 | 2/12/2024 | 7/8/2024 | -- |
| ABO948 | 024-02231.000 | N2849 | Shore Drive | WS-068 | WS-068R | 542 | N | 9/25/2023 | 10/5/2023 | 10/18/2023 | 2/15/2024 | 6/26/2024 | -- |
| ABO938 | 024-01834.000 | N2969 | Shore Drive | WS-019 | WS-019R | 542 | N | 9/27/2023 | 10/6/2023 | 10/13/2023 | 2/13/2024 | 7/12/2024 | -- |
| ABP340 | 024-01864.004 | Undeveloped | Green Gable Road/ Rader Road | -- | WS-168R | 520 | N | 10/10/2023 | 10/10/2023 | 12/20/2023 | 2/16/2024 | -- | -- |
| ABP385 | 024-01864.005 | N2740 | Green Gable Road | WS-165 | WS-165R | 500 | N | 10/10/2023 | 10/12/2023 | 11/8/2023 | 3/6/2024 | 7/12/2024 | -- |
| ABP499 | 024-01864.003 | W688 | Rader Road | WS-083 | WS-083R | 500 | N | 10/16/2023 | 10/17/2023 | 12/28/2023 | 2/16/2024 | -- | -- |
| ABP486 | 024-01864.002 | N2718 | Green Gable Road | WS-166 | WS-166R | 500 | N | 10/13/2023 | 10/17/2023 | 12/20/2023 | 2/16/2024 | -- | -- |
| ABO264 | 024-01347.000 | W907 | Madsen Road | WS-167 | WS-167R | 522 | N | 9/5/2023 | 9/8/2023 | 12/13/2023 | 2/27/2024 | -- | -- |
| AAE171 | 024-01865.001 | W691 | Rader Road | WS-141 | WS-141R | 545 | N | 9/29/2023 | 4/1/2024 | 12/11/2023 | 4/1/2024 | -- | -- |
| AAZ790 | 024-01830.000 | N2936 | Green Gable Road | WS-052 | WS-052R | 500 | N | 10/30/2023 | 12/7/2023 | 12/13/2023 | 4/2/2024 | -- | -- |
| ABR795 | 024-02233.000 | W536 | Weigers Road | WS-097 | WS-097R | 582 | N | 1/9/2024 | 1/23/2024 | 1/26/2024 | 5/9/2024 | -- | -- |
| ABR781 | 024-02240.000 | N2825 | Shore Drive | WS-099 | WS-099R | 602 | N | 1/8/2024 | 1/25/2024 | -- | 5/9/2024 | -- | -- |
| ABR796 | 024-02236.000 | W546 | Weigers Road | WS-100 | WS-100R | 582 | N | 1/2/2024 | 1/25/2024 | 1/25/2024 | 5/1/2024 | -- | -- |
| ABS159 | 024-01345.002 | W966 | County Road B | WS-158 | WS-158R | 500 | N | 2/7/2024 | 2/8/2024 | 6/24/2024 | -- | -- | -- |
| ABT026 | 024-01812.005 | W732 | County Road B | WS-008 | WS-008R | 520 | N | 3/20/2024 | 3/25/2024 | 4/4/2024 | -- | -- | -- |
| ABT044 | 024-01812.002_B | W752 | County Road B | WS-007B | WS-007BR | 540 | N | 3/22/2024 | 3/26/2024 | -- | -- | -- | -- |
| ABT135 | 024-01811.000 | W725 | County Road B | WS-006 | WS-006R | 520 | N | 4/1/2024 | 4/11/2024 | 5/14/2024 | -- | -- | -- |
| ABT154 | 024-01815.002 | W761 | County Road B | WS-146AR | WS-146ARD | 500 | N | 4/2/2024 | 4/11/2024 | 5/3/2024 | -- | -- | -- |
| ABT639 | 024-01346.000 | W939 | Madsen Road | WS-160 | WS-160R | 540 | N | 5/1/2024 | 5/2/2024 | 5/17/2024 | -- | -- | -- |
| ABT638 | 024-01819.000 | W866 | County Road B | WS-005 | WS-005R | 515 | N | 5/4/2024 | 5/7/2024 | 5/15/2024 | -- | -- | -- |
| ABT349 | 024-01848.000 | N2819 | Green Gable Road | WS-011 | WS-011R | 540 | N | 5/12/2024 | 7/16/2024 | -- | -- | -- | -- |
| AAZ787 | 024-01856.026 | N2731 | Stanley Lane | WS-066 | WS-066R | 564 | N | 5/22/2024 | 7/15/2024 | 7/19/2024 | -- | -- | -- |
| ABU677 | 024-02238.001 | W559 | Weigers Road | WS-117 | WS-117R | 510 | N | 5/28/2024 | 6/18/2024 | 6/18/2024 | -- | -- | -- |
| ABU678 | 024-02226.000 | N2830 | Shore Drive | WS-147 | WS-147R | 542 | N | 5/29/2024 | -- | -- | -- | -- | -- |

Notes provided on Page 2

Table X.4
Quarterly Deep Private Well Update
Tyco Fire Products LP
Marinette, Wisconsin



| WI Unique Well ID | Parcel Number | House Number | Street Name | Previous Well ID | Replacement Well ID | Well Depth (ft bgs) | Retrofit Liner | Well Replacement Date | Sampling Date #1 | Sampling Date #2 | Sampling Date #3 | Sampling Date #4 | Sampling Date #5 - Final |
|-------------------|---------------|--------------|------------------|------------------|---------------------|---------------------|----------------|-----------------------|------------------|------------------|------------------|------------------|--------------------------|
| ABT640 | 024-01824.000 | W797 | County Road B | WS-023 | WS-023R | 540 | N | 6/14/2024 | 6/20/2024 | 7/18/2024 | -- | -- | -- |
| AAB612 | 024-02242.000 | N2829 | Shore Drive | WS-081 | WS-081R | 607 | N | 6/18/2024 | -- | -- | -- | -- | -- |
| ABV398 | 024-01856.019 | N2754 | Stanley Lane | WS-076 | WS-076R | 540 | N | 6/19/2024 | 6/20/2024 | -- | -- | -- | -- |
| ABV046 | 024-01831.000 | N2922 | Green Gable Road | WS-065 | WS-065R | 500 | N | 6/20/2024 | 7/15/2024 | -- | -- | -- | -- |
| ABV443 | 024-01833.000 | N2995 | Shore Drive | WS-013 | WS-013R | 510 | N | 6/21/2024 | 7/9/2024 | 7/12/2024 | -- | -- | -- |
| AAB609 | 024-01866.001 | N2655 | Shore Drive | WS-154 | WS-154R | 523 | N | 6/24/2024 | -- | -- | -- | -- | -- |
| ABV552 | 024-01841.000 | W605 | Weigers Road | WS-092 | WS-092R | 582 | N | 6/24/2024 | -- | -- | -- | -- | -- |
| ABV554 | 024-02222.000 | N2844 | Shore Drive | WS-106R | WS-106RD | 502 | N | 6/25/2024 | 7/9/2024 | 7/9/2024 | -- | -- | -- |
| AAB611 | 024-02224.000 | N2824 | Shore Drive | WS-121B | WS-121BR | 504 | N | 6/26/2024 | -- | -- | -- | -- | -- |
| ABV047 | 024-01828.000 | N2990 | Green Gable Road | WS-058 | WS-058R | 500 | N | 6/26/2024 | 7/16/2024 | -- | -- | -- | -- |
| AAB610 | 024-02246.001 | N2788 | Shore Drive | WS-111 | WS-111 | 524 | N | 7/11/2024 | -- | -- | -- | -- | -- |
| AAB614 | 024-02260.002 | W608 | Rader Road | WS-129 | WS-129 | 505 | N | 7/14/2024 | -- | -- | -- | -- | -- |
| ABW307 | 024-01816.000 | N3051 | Green Gable Road | WS-057 | WS-057R | 500 | N | 7/19/2024 | 7/22/2024 | -- | -- | -- | -- |
| ABV783 | 024-02228.000 | N2897 | Shore Drive | WS-063 | WS-063R | 605 | N | 7/22/2024 | -- | -- | -- | -- | -- |
| ABV738 | 024-02214.000 | N2896 | Shore Drive | WS-071 | WS-071R | 505 | N | 7/27/2024 | -- | -- | -- | -- | -- |
| AAB615 | 024-01858.003 | W777 | Rader Road | WS-136 | WS-136R | 505 | N | 7/29/2024 | -- | -- | -- | -- | -- |
| ABW611 | 024-02237.000 | W596 | Weigers Road | WS-102 | WS-102R | 580 | N | 7/30/2024 | -- | -- | -- | -- | -- |
| ABW618 | 024-02234.000 | W558 | Weigers Road | WS-131 | WS-131R | 582 | N | 7/31/2024 | -- | -- | -- | -- | -- |

Notes:

1 = retrofit liner consists of a 4-inch steel liner that has been grouted in place to a depth of approximately 300 feet below ground surface within the existing deep well (Arcadis 2023. Deep Aquifer Bedrock Well Design and Long-Term Monitoring – Interim Response Status Update. August).

Orange indicates new data point (well replacement or sample) since the previous quarterly report submittal.

Acronyms and Abbreviations:

-- = not applicable

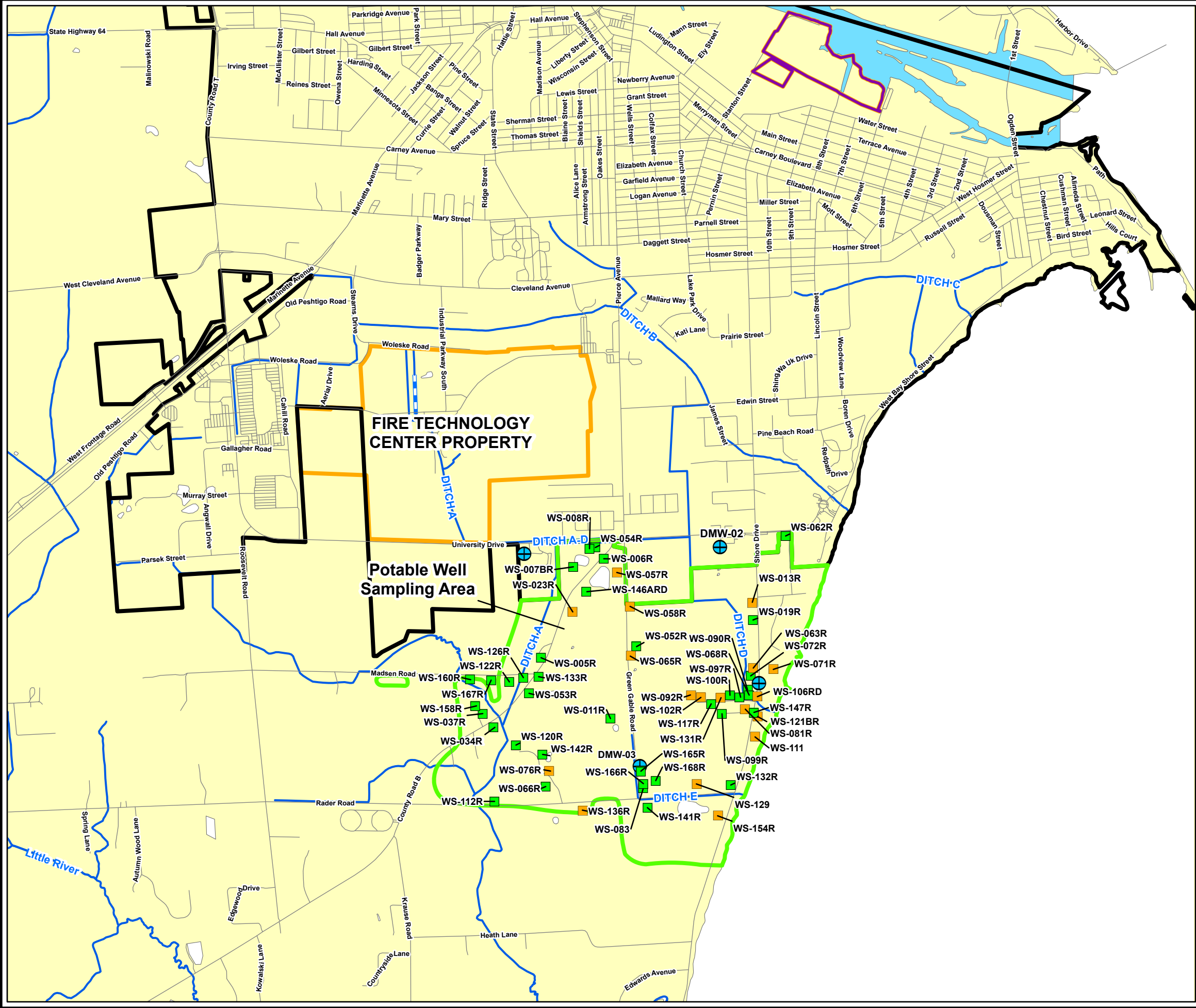
ft bgs = feet below ground surface

ID = identification

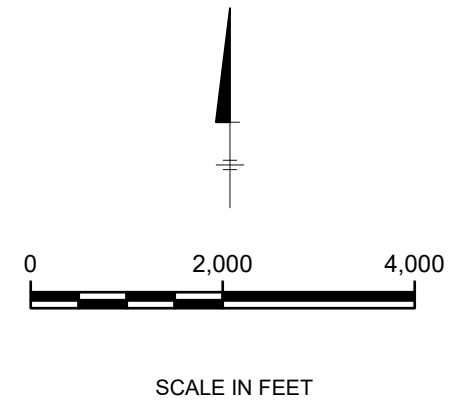
N = no

Y = yes

TY_ENV\TYCO_PRO_REPORT_FIGURES\FTC\Deep_Monitoring_Well.aprx 8/20/2024 8:59 PM



- LEGEND:**
- DEEP REPLACEMENT POTABLE WELL 2Q-3Q2024
 - DEEP REPLACEMENT POTABLE WELL
 - ⊕ DEEP MONITORING WELL LOCATION
 - POTABLE WELL SAMPLING AREA
 - STANTON STREET FACILITY BOUNDARY
 - APPROXIMATE SITE PROPERTY BOUNDARY
 - APPROXIMATE MARINETTE CITY BOUNDARY
 - WATERBODY
 - DITCH OR STREAM
 - ROAD



TYCO FIRE PRODUCTS LP
MARINETTE, WISCONSIN

DEEP POTABLE WELL LOCATIONS

ARCADIS | **FIGURE 1**