WATER & SEWER COMMISSION MEETING

Wednesday, January 7, 2026 – 4:00 PM

In the Council Chambers at City Hall

75 N Bonson St, Platteville, WI 53818

AMENDED AGENDA

1. **Call to Order**

2. **Citizens' Comments, Observations and Petitions, if any.**
   (Please limit comments to no more than five minutes)

3. **Consideration of Consent Agenda** – The following items may be approved on a single motion and vote due to their routine nature or previous discussion. Please indicate to the Commission President if you would prefer separate discussion and action.

   - Minutes – December 10, 2025
   - Water Quality/Flushing Report – December 2025

Action Items

4. Water Supply Service Area Plan
5. **Approve Draft Letter to Fire Department**

Items of Discussion

Adjournment

If your attendance requires **special accommodation needs,** write or call the Water and Sewer Office, P.O. Box 780, Platteville, Wisconsin 53818, (608) 348.1822; for TDD accessibility, call (608) 348.2313.

MEMBERS: If you are unable to attend, please email Jeff Even at evenj@platteville.org

WATER & SEWER COMMISSION MINUTES
WEDNESDAY, DECEMBER 10, 2025
4:00 PM

1. Water and Sewer Commission President Martens called the Regular Meeting of the City of Platteville Water and Sewer Commission to order on Wednesday, December 10th at 4:02 PM.

   W/S Commission members present: Michael Knautz, Barbara Daus, Steven Badger, Cindy Martens
   W/S Commission members excused/absent: Jim Schneller, Joanne Wilson
   City Staff present: Public Works Director - Howard Crofoot, Administration Director - Nicola Maurer, Utility Superintendent - Ryan Kowalski
   City Staff excused/absent: Accounting & Finance Manger – Jeff Even
   Public present:

2. **Citizens' Comments** – None

3. **Consent Agenda** was presented for consideration. **Motion by Knautz, second by Daus, to approve the Consent Agenda**: November 12, 2025 Regular Minutes, November 2025 Financial Report, November 2025 Bank Reconciliation & Investments Reports, Payment of Bills (11/06/2025 – 12/03/2025), November 2025 Water Quality/Flushing Report. **Motion carried.**

ACTION ITEMS:

4. **2026 Chemical Bids:** Kowalski briefed the Commission on the bids listed. **Motion by Daus, second by Knautz, to award the bids as proposed. Motion carried.**

ITEMS OF DISCUSSION:

5. **Meter & Radio Replacement Update:** Superintendent Kowalski provided the Commission with information on radio and meter replacement – 277 meters and 1,401 were replaced in 2025. The replacement plan includes replacing 1,000 radios each year. Recent radio replacement has led to the discovery of additional lead service lines. Kowalski believes that all lead pipes have now been identified. Availability of DNR grant funds for private side lead service replacement officially expires at the end of 2026. There are 13 known lead lines remaining, all of which are scheduled with local plumbers for replacement.

6. **Water Service Supply Area Plan:** Director Crofoot presented information regarding the Water Service Supply Area Plan. The draft plan will be completed by Dec 30th. There will be a public hearing on the plan on January 13th. Copies of draft plan will be distributed to Commission once received by staff. If needed, a special WS Commission could be held in advance of the public hearing on the 13th, so that the Commission could provide input if desired. Alternatively, the Commission could have a joint public hearing with the Council on the 13th. The plan will help us take the next steps in the replacement of Well #3, including identifying a location, public input etc. Commission consensus was to move the January meeting to the first Wednesday, January 7th 2026.

7. **2025B Water & Sewer Revenue Bond Sale Day Report:** Director Maurer provided information regarding the sale of the series 2025B water & sewer revenue bonds. There were two bidders with Baird submitting the lowest bid. Maurer reviewed the Ehlers Sale Day report with the Commission. Commission discussion focused on the year end timing of the debt issue. Maurer explained the reasons for bidding at the end of the year, including a trend of lower interest rates.

8. **Knollwood Way Main Break:** Commission discussion centered on providing charges to the Fire Department, with an accompanying letter from the Commission outlining the history of guidance provided to Fire Department by City staff regarding the condition of the Knollwood water main and its unavailability for firefighting. Once replaced, the main

will still not be available for pumper filling due to the condition of the mains along the cul de sacs. The Commission will review and sign the letter at the next meeting.

9. **Adjournment: Motion by Daus, second by Knautz, to adjourn. Motion carried.**
   Meeting adjourned at 4:28 PM.

Respectfully Submitted,
Nicola Maurer
Administration Director

December 2025

Water Quality Complaints

Date	Address	Complaint	Action	Gallons
12/11/2025	1380 8th Ave.	Brown water	Flushed hydrant	15,000

Flushing Report

Date	Location	Chlorine	Condition	Gallons
12/8/2025	640 4th street (service leak)			2,500
12/23/2025	Grandveiw #448	0.71 - 0.92	brown to clear	6,000
12/23/2025	Ridge Ave. #599	0.58 - 0.73	clear	4,500

Main Breaks

Date	Location	Gallons
12/17/2025	1535 E. Bus. 151	100,000

Total	128,000

THE CITY OF PLATTEVILLE, WISCONSIN
WATER & SEWER COMMISSION SUMMARY SHEET

COMMISSION SECTION: ACTION ITEM NUMBER: 3	TITLE: Water Supply Service Area Plan	DATE: January 7, 2026 VOTE REQUIRED: Majority
PREPARED BY: Howard B. Crofoot, P.E. Director of Public Works		

Description:
Under revisions to NR 854, water utilities serving a population of 10,000 or more are required to have a Water Supply Service Area Plan (WSSAP) completed by December 31, 2025, and a component of this plan is to hold a Public Hearing for public input. We will have the draft plan completed by December 30, 2025, and the Public Hearing on January 13, 2026. If there are public comments that need to be incorporated into the plan, we will make those as amendments.

We had a Water Comprehensive Plan and a Risk and Resilience Plan completed in 2021. This WSSAP will be an amendment to these previous plans and include those items called out in NR 854. Some of the requirements are as follows:

1. Planning period of at least 10 years and no more than 20 years.
2. Delineate a coverage area.
3. Description of the water service utility.
4. Description of current water use.
5. Projected water demand/population growth.
6. Inventory and ID of sources of water (wells), the quantities of supplies and alternatives.
7. Plan recommendations, including future needs.

This will help us identify the need to replace the current Well 3 on Valley Road and identify potential locations to investigate.

Budget/Fiscal Impact:
None. The planning effort was budgeted in the Water & Sewer Utility 2025 budget.

Recommendation:
Staff recommends proceeding to the Public Hearing at the Common Council meeting on January 13, 2026, and incorporating any comments into the final plan for approval at that time.

Sample Affirmative Motion:
"Move to recommend that the Common Council approve the Water Supply Service Area Plan subject to public comments."

Attachments:
- Draft Plan

DRAFT 12/29/2025
Strand Associates, Inc.®
910 West Wingra Drive
Madison, WI 53715
(P) 608.251.4843
www.strand.com

December 29, 2025

Mr. Howard Crofoot, P.E.
City of Platteville
75 North Bonson Street
Platteville, WI 53818

Re: Water Supply Service Area Plan (WSSAP) Addendum No. 1
City of Platteville, Wisconsin (City)

Dear Mr. Crofoot:

Enclosed with this letter is the WSSAP, which is presented as an addendum to the *2022 Water System Comprehensive Plan* (2022 Plan). Many of the requirements set forth in Wisconsin Department of Natural Resources Chapter Natural Resource (NR) 854, which describes the WSSAP, are addressed in the 2022 Plan. The addendum covers certain topics that warranted updating and topics specific to the WSSAP requirements. The following presents important findings of the 2022 Plan and WSSAP.

The population projections used in the 2022 Plan were reviewed as part of the WSSAP. The 2022 Plan used population projections based on a rate of growth similar to projections published by the Wisconsin Department of Administration (WDOA). However, updated population projections from WDOA now show that the population of the City is expected to decline over the next 15 years by approximately 5 percent. After gathering input from City staff and the Southwestern Wisconsin Regional Planning Commission, it was decided to use the current WDOA projections for estimating future water system demands.

While the reduced population results in lower future water demands, it is important to note that the need to replace Well No. 3 and the Davison Plant still exists. Well No. 3 and the Davison Plant are approaching the end of their useful life and should not be relied upon for long-term supply. From initial planning to construction completion, the process for siting, well drilling, and well facility construction can be expected to take 3 years. The City should begin that process in 2026, with the goal of having a new well facility online before 2030. Once the new well and facility are online, Well No. 3 and the Davison Plant can be decommissioned and demolished.

Results of the WSSAP show that continued use of a groundwater supply is the most feasible source of water. The City continues to be proactive in planning for future improvements and maintaining efficient operation of the system.

If you have questions or comments regarding this WSSAP, please call 608-251-4843.

Sincerely,

STRAND ASSOCIATES, INC.®

DRAFT **DRAFT**

Michael J. Forslund, P.E. Olivia N. Holtz

Enclosure: Report

MJF:ONH:sjl\R:\MAD\Documents\Reports\Active\Platteville, WI\2022 Water Sys Comp Plan.Add No. 1.MJF.1064.028.Dec\Report\Cover Letter.docx

DRAFT 12/29/2025

Addendum No. 1 for
City of Platteville, Wisconsin

Water System Comprehensive Plan

Prepared by:

STRAND ASSOCIATES, INC.®
910 West Wingra Drive
Madison, WI 53715
www.strand.com

December 2025

STRAND ASSOCIATES®
*Excellence in Engineering*SM

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APPENDIX B–WELL DRILLING LOGS
APPENDIX C–EXISTING LAND USE MAP
APPENDIX D–PUBLIC COMMENTS ***(TO BE ADDED)***

This Addendum No. 1 to the 2022 *Water System Comprehensive Plan* (2022 Plan) is issued to modify the original report for the City of Platteville, Wisconsin (City) to incorporate requirements from the recently adopted Wisconsin Department of Natural Resources (WDNR) administrative rule, Chapter Natural Resources (NR) 854 for completion of a Water Supply Service Area Plan (WSSAP).

ADD Section 7–NR 854 Addendum as follows:

7.01 ESTABLISHMENT OF A PLANNING PERIOD

The planning period was established in the 2022 Plan in Section 3–Historical and Projected Demands. The planning period was identified as the end of 2040.

7.02 DELINEATION OF THE AREA

The current water supply distribution system is delineated in Figure 2.01-1 of the 2022 Plan. The projected growth area for the system through 2040 is delineated in Figure 3.05-1 in the 2022 Plan. The entire study area is well outside of the Great Lakes Basin, and the entire area is located within the Mississippi Basin. An overview map of the City in relation to the Great Lakes Basin can be seen in Figure 7.02-1. This plan does not include diversions from the Great Lakes Basin.

7.03 DESCRIPTION OF THE PUBLIC WATER SUPPLY SYSTEM

A. Existing Sources

The existing sources serving the water system are described in Section 2–Water Facilities Evaluation of the 2022 Plan. Currently, three active wells supply the system.

B. Existing Water Quality

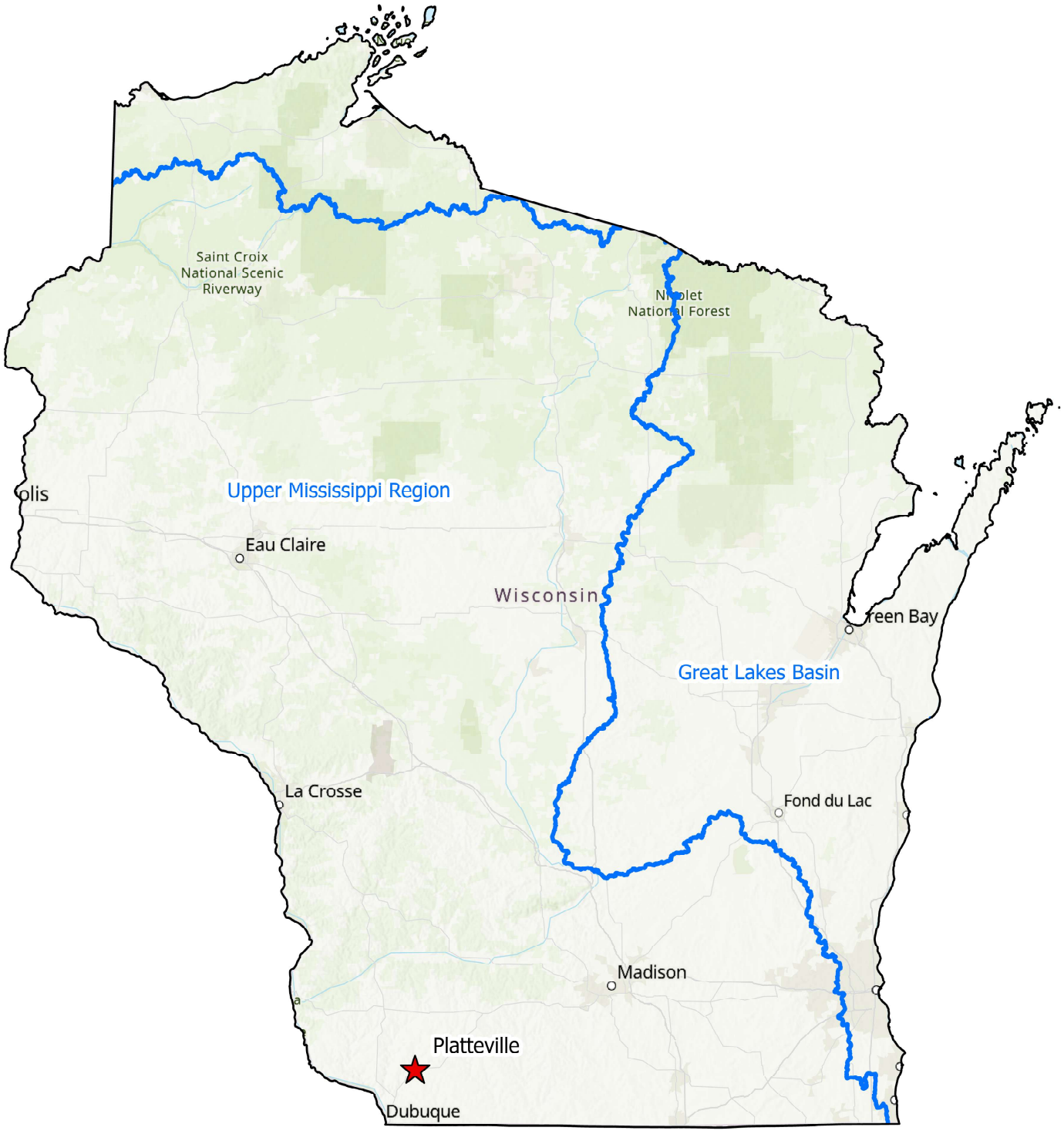
A general summary of the source water quality is described in Section 2–Water Facilities Evaluation, Subsection 2.03.

C. Consecutive Water Systems Purchasing Water

Currently, the water utility does not sell water to any consecutive water systems. There are no plans to sell water to any consecutive water systems through 2040.

D. Water System Map

A description of the water treatment facilities, water storage, and water distribution facilities are included in Section 2–Water Facilities Evaluation of the 2022 Plan. A map of the water distribution system is shown in Figure 2.01-1. The City operates three wells and two elevated tanks across two pressure zones; the High Zone in the northeast and the Low Zone in the southwest. A schematic of the water system is shown in Figure 7.03-1.



GREAT LAKES BASIN OVERVIEW MAP
WATER SUPPLY SERVICE AREA PLAN

CITY OF PLATTEVILLE
GRANT COUNTY, WISCONSIN

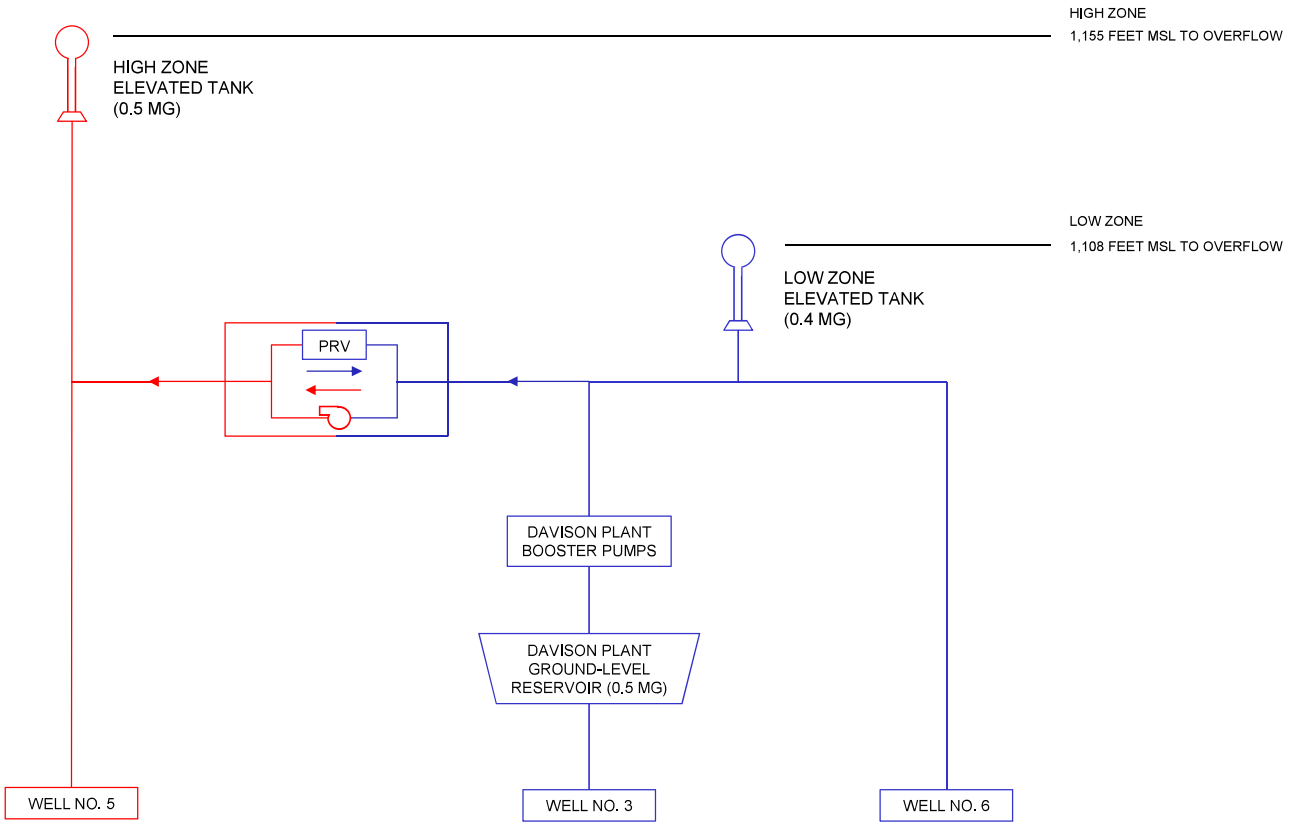
STRAND ASSOCIATES®

FIGURE 7.02-1
1064.028

PRESSURE ZONE

HIGH ZONE

LOW ZONE



SUPPLY FACILITIES

WATER SYSTEM SCHEMATIC

WATER SUPPLY SERVICE AREA PLAN
CITY OF PLATTEVILLE
GRANT COUNTY, WISCONSIN

STRAND ASSOCIATES®

FIGURE 7.03-1
1064.028

7.04 DESCRIPTION OF EXISTING SOURCES AND WITHDRAWALS

A. Supply Withdrawals

The following describes the geologic formation each well is sourced from:

1. Well No. 3 is open from a depth of 334 to 927 feet. The open formations are in the Cambrian Sandstones.

2. Well No. 5 is open from a depth of 655 to 1,040 feet. The open formations are in the Cambrian Sandstones.

3. Well No. 6 is open from a depth of 500 to 965 feet. The open formations are in the Cambrian Sandstones.

The well drilling construction reports for the City wells are included as Appendix B. The construction reports include the depth of each well and additional geologic information. The average daily withdrawal for each source is listed in Table 7.04-1. The maximum withdrawal capacity of each source is listed in Section 2–Water Facilities Evaluation, Subsection 2.02 of the 2022 Plan. The average daily and total annual pumpage do not exceed maximum rated withdrawal capacities. The City does not purchase any water for its public water supply.

Table 7.04-1 Average Daily Withdrawal

Average Daily Withdrawal Amount (gallons)															
Well No.	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**
3	413,098	433,807	442,442	326,390	168,789	264,093	70,223	400	410,930	203,833	0	27,362	244,479	88,701	147,083
5	-	0	0	249,520	308,454	331,543	377,087	379,524	383,817	411,685	406,678	405,791	359,376	424,079	411,888
6	-	-	-	-	-	-	-	-	-	209,821	402,297	407,165	247,110	343,235	265,328

B. Withdrawal Measurement Methods

Water withdrawal for Well Nos. 3, 5, and 6 is measured using totalizing flow meters. The City indicated that the flow meters are read daily and documented. The difference between water pumpage and sales is used to estimate the amount of water loss in a system.

C. Water Quality Treatment (WQT)

WQT measures are discussed in Section 2–Water Facilities Evaluation, Subsection 2.03 of the 2022 Plan.

D. Diversions

This plan does not include any diversions from the Great Lakes Basin.

7.05 DESCRIPTION OF EXISTING WATER USE

A. Population

The population for the 2022 Plan is discussed in Section 3–Historical and Projected Demands. As most population density mapping is delineated by census tracts, a population density map for the City is not available. The best surrogate for population density is the land use map, which shows the type of zoning and relative density of population based upon housing type. The existing and future land use maps can be found in the 2013 *City & Town of Platteville Smart Growth Comprehensive Plan* (2013 Comprehensive Plan) in Chapter 8–Land Use. A recent version of the existing land use map can be found in Appendix C.

B. Number of Retail Customers

The number of retail customers purchasing water are provided in Table 7.05-1, as published by the Public Service Commission of Wisconsin (PSCW) Water, Electric, and Gas (WEGS) annual reports.

Year	Residential	Commercial	Industrial	Public Authority	Multifamily Residential	Irrigation	Total
2015	3,009	337	7	80	75	0	12,788
2016	3,071	338	7	85	65	0	12,824
2017	3,541	362	7	84	67	0	12,417
2018	3,557	360	8	95	71	0	12,268
2019	3,570	362	9	93	70	0	12,569
2020	3,103	317	8	73	69	0	12,262
2021	3,127	318	8	74	69	0	11,446
2022	3,120	319	8	71	69	0	11,154
2023	3,129	316	8	73	69	0	11,460
2024	3,136	318	8	73	69	0	11,710

Table 7.05-1 Number of Retail Customers

C. Sales to Retail Customers

Table 7.05-2 shows the sales of water for residential use, commercial use, industrial use, and public use in the past 10 years.

Year	Residential	Commercial	Industrial	Public Authority	Multifamily Residential	Irrigation	Total
2015	107,863,000	44,901,000	20,892,000	46,581,000	24,780,000	0	245,017,000
2016	107,027,000	44,549,000	24,774,000	56,496,000	25,752,000	0	258,598,000
2017	106,987,000	42,602,000	35,398,000	48,817,000	26,879,000	0	260,683,000
2018	106,138,000	45,035,000	28,838,000	53,463,000	28,259,000	0	261,733,000
2019	103,502,000	44,508,000	40,610,000	54,985,000	27,640,000	0	271,245,000
2020	109,764,000	36,797,000	40,940,000	40,843,000	29,156,000	0	257,500,000
2021	112,102,000	47,602,000	31,431,000	67,512,000	30,802,000	0	289,449,000
2022	109,490,000	47,382,000	33,117,000	77,750,000	31,039,000	0	298,778,000
2023	111,534,000	49,538,000	35,580,000	69,194,000	31,526,000	0	297,372,000
2024	110,786,000	53,430,000	33,495,000	55,575,000	33,564,000	0	286,850,000

Table 7.05-2 Sales of Water

D. Largest Retail Customers

Table 7.05-3 lists the top ten largest retail customers over the past 10 years. It should be noted that data for 2018 was unavailable.

Table 7.05-3 Largest Retail Customers

	2015		2016	
	Customer	Quantity Billed (gallons)	Customer	Quantity Billed (gallons)
1	Emmi Roth USA, Inc.	24,296,141	Emmi Roth USA, Inc.	21,157,068
2	Xtreme Clean	3,318,876	Xtreme Clean	2,945,624
3	Platteville MHP LLC	2,791,536	Southwest Health Center	2,752,640
4	Southwest Health Center	2,438,749	HCR Manor Care, Site #3111	2,505,785
5	Walmart Stores #0958	2,129,347	Platteville MHP LLC	2,214,080
6	HCR Manor Care, Site #3111	1,991,894	Fendall-Sperian Prot Americas	2,142,975
7	Fendall-Sperian Prot Americas	1,693,053	Walmart Stores #0958	1,768,766
8	Tri-State Dialysis	1,605,874	Kowalski-Kieler Inc	1,685,812
9	Country Inn-Platteville	1,555,563	Twin Pines Apartments	1,600,540
10	Kowalski-Kieler Inc	1,110,705	Washington Place LLC	1,597,361

	2017		2018*	
	Customer	Quantity Billed (gallons)	Customer	Quantity Billed (gallons)
1	Emmi Roth USA, Inc.	31,707,496	-	-
2	Southwest Health Center	3,837,240	-	-
3	Xtreme Clean	2,988,260	-	-
4	Platteville MHP LLC	2,569,380	-	-
5	HCR Manor Care, Site #3111	2,297,572	-	-
6	Fendall-Sperian Prot Americas	2,149,632	-	-
7	Walmart Stores #0958	1,968,310	-	-
8	Washington Place LLC	1,930,132	-	-
9	Twin Pines Apartments	1,562,976	-	-
10	Tri-State Dialysis	1,479,267	-	-

	2019		2020	
	Customer	Quantity Billed (gallons)	Customer	Quantity Billed (gallons)
1	UW-Platteville/UW-P RE Foundation**	46,121,919	UW-Platteville	33,734,426
2	Emmi Roth USA, Inc.	33,465,527	Emmi Roth, USA Inc.	31,532,419
3	MoundView Dairy	5,916,927	MoundView Dairy	5,861,388
4	Southwest Health Center	3,901,942	Southwest Health Center	4,050,809
5	Xtreme Clean	2,587,407	Xtreme Clean	2,486,382
6	Platteville MHP LLC	2,143,020	Edenbrook	2,194,123
7	Walmart Stores #0958	2,020,198	Evergreen MHP	1,807,916
8	Edenbrook	1,807,295	Walmart Stores #0958	1,735,218
9	Washington Place LLC	1,653,843	Washington Place LLC	1,432,068
10	Country Inn	1,256,588	Platteville School District	1,271,712

	2021		2022	
	Customer	Quantity Billed (gallons)	Customer	Quantity Billed (gallons)
1	UW-Platteville	34,519,916	UW-Platteville	38,335,755
2	Emmi Roth USA, Inc.	27,710,393	Emmi Roth USA, Inc.	29,388,322
3	MoundView Dairy	6,296,477	MoundView Dairy	7,210,653
4	Southwest Health Center	4,236,679	Southwest Health Center	3,785,448
5	UW-P RE Foundation	3,688,979	UW-P RE Foundation	3,685,516
6	Xtreme Clean	2,916,332	Xtreme Clean	2,795,149
7	Ripple Management	2,027,648	Ripple Management	2,224,642
8	Evergreen MHP	1,988,932	Evergreen MHP	2,143,559
9	Walmart Stores #0958	1,932,436	Walmart Stores #0958	1,991,655
10	Edenbrook	1,882,761	Holiday Inn Express	1,730,042

	2023		2024	
	Customer	Quantity Billed (gallons)	Customer	Quantity Billed (gallons)
1	UW-Platteville	38,951,726	UW-Platteville	42,799,565
2	Emmi Roth USA, Inc.	32,219,315	Emmi Roth USA, Inc.	39,902,111
3	MoundView Dairy	8,112,950	MoundView Dairy	9,535,826
4	Southwest Health Center	4,740,891	Southwest Health Center	7,263,080
5	UW-P RE Foundation	4,412,512	UW-P RE Foundation	4,283,108
6	Xtreme Clean	2,499,427	Evergreen MHP	2,849,977
7	Ripple Management	2,281,737	Walmart Stores #0958	2,126,377
8	Evergreen MHP	2,081,048	Holiday Inn Express	2,048,525
9	GENCAP Platteville 71 LLC	2,041,516	TWAS Properties LLC	1,986,307
10	Holiday Inn Express	1,926,998	Ripple Management	1,936,886

Notes:
*Data for 2018 is not available.
**UW-Platteville and UW-P RE Foundation sales were combined for 2019.
UW-Platteville=University of Wisconsin-Platteville
UW-P RE=University of Wisconsin-Platteville Real Estate

E. Sales to Consecutive Water Systems

The water utility does not sell water to any consecutive water systems.

7.06 PROJECTED WATER DEMAND

A. Projected Growth Area

The projected growth area for 2040 is shown in Figure 3.05-1 of the 2022 Plan. The projected 2040 water demand is discussed in Section 3.06 and represented graphically in Figure 3.06-1 of the 2022 Plan. The demands discussed in Section 3.06 of the 2022 Plan are based on outdated population projection values. The updated Wisconsin Department of Administration (WDOA) population projection values are used and discussed in the following.

B. Water Demand Projection Methods

A description of the methods used to derive projected water demands is discussed in Section 3–Historical and Projected Demands, Subsections 3.03 and 3.04 of the 2022 Plan.

C. Population Projection

The current projected population through 2040 can be seen in Table 7.06-1. These projections are based on the Wisconsin Department of Administration (WDOA) Population Projections from 2024. It is assumed that the population change between decades is linear. The projections from the original 2022 Plan, presented in Figure 3.02-1, have been updated with the current WDOA 2024 population projection estimates. The 2040 projection made from the WDOA projections will be used for this planning period.

D. Projected Water System Sales

There are no projected sales to consecutive water systems through the planning period.

E. Water Demands

Table 7.06-1 shows the projected water demand during the planning period. The projected demand was updated to reflect the population trends developed in the 2024 WDOA projection estimates.

	Total Population	ADD Demand (MGD)
2025	11,710	0.82
2030	11,472	0.81
2035	11,308	0.79
2040	11,143	0.78

ADD=average day demand
MGD=million gallons per day

Table 7.06-1 Water Demand

Table 7.06-2 shows the projection of the annual ADD and maximum day demand (MDD) for 2040 in gallons per day (gpd). The table shows demands for the existing service area and projected growth area categorized by residential use, commercial use, industrial use, and public authority use.

		Residential Use	Commercial Use	Industrial Use	Public Authority Use	Multifamily Use	Total
Existing Service Area	ADD	318,060	134,564	97,865	183,496	85,632	819,617
	MDD	534,341	226,068	164,413	308,274	143,861	1,376,957
Water Use Decline with Future Service Area	ADD	(15,401)	(6,516)	(4,739)	(8,885)	(4,146)	(39,686)
	MDD	(25,873)	(10,946)	(7,961)	(14,927)	(6,966)	(66,672)
Total	ADD	**779,931**					
	MDD	**1,310,284**					

Table 7.06-2 2040 Projected ADD and MDD (gpd)

In accordance with WDNR NR 854, water supply planning must include considerations that support accurate forecasting and sustainable resource management. This includes estimating nonrevenue water associated with projected demand over the planning period, analyzing how projected demand aligns with historical usage or is otherwise justified, and identifying anticipated water use reductions resulting from conservation measures or plans. These requirements help determine if future water demand projections are reasonable and consistent with conservation objectives.

The estimate of nonrevenue water in 2040 can be found by taking the projected daily pumpage minus the projected daily sales and is based upon historical sales to pumpage ratios. The anticipated nonrevenue water for the design period is shown in Table 7.06-3.

Year	Daily Pumpage (gallons)	Daily Sales (gallons)	Nonrevenue Water (gallons)	Percent Water Loss (%)
2040	782,383	747,433	34,950	4.7

Table 7.06-3 2040 Projected Nonrevenue Water

Figure 3.06-1 in the 2022 Plan shows the past 10 years of water use compared to the projected water demands. Section 3.06.A details the planning period projected demands were calculated using the sales to pumpage ratio based on past water use.

Figure 3.03-4 shows the per capita total sales. As shown, per capita total sales generally declined from 2006 to 2014, increased in 2015 and 2016, and have remained steady through the present. Water conservation efforts likely caused the initial decline, and recent increases are attributable to industrial demand. Strand believes per capita sales are projected to plateau. The nonindustrial per capita water use is approximately 53 gallons per capita per day and is relatively low. Additional reductions due to conservation are expected to be nominal at best. Although water conservation efforts may have decreased per capita sales, Figure 3.06-1 from the 2022 Plan shows that water demands are not

expected to decrease. Based on the updated WDOA population projections from 2024, water demand is expected to decrease but only as a result of an overall decreasing population.

7.07 INVENTORY AND IDENTIFICATION OF THE SOURCES AND QUANTITIES OF WATER SUPPLIES IN THE REGION

A. Inventory of Alternative Water Sources

In general, reliable and economical water sources in the area to serve a municipal supply are the deep sandstone aquifers. There are water sources located in the local limestones, but these tend to be lower in capacity and not suitable as larger public drinking water sources. The sandstone aquifers generally consist of the Ordovician and Cambrian Sandstones. The areal extend of the Ordovician Sandstones is also somewhat limited in the City area; therefore, the utility derives water from the Cambrian Sandstones.

Alternative water sources beyond local groundwater wells include obtaining water from neighboring utilities, such as Belmont Waterworks, Lancaster Waterworks, or Cuba City Waterworks, and surface water from the Mississippi River

B. Alternative Supply Options

The City has not performed a detailed review of the viability of surface water as a water supply. The City of Dubuque, Iowa, the nearest large city located on the Mississippi River, relies on a mix of shallow alluvial wells and deep sandstone wells and does not use the surface water as a source. Generally, municipalities along the Upper Mississippi in Wisconsin use well water over river water given its relatively abundance and high water quality. The need for conventional treatment, at a minimum, and the distance to the river, makes use of it as a drinking water source cost prohibitive.

Given that the nearest municipal water system is 6 miles away and the City also relies upon the same aquifer as a water source, the value of an interconnect with an existing system is generally cost prohibitive.

7.08 PLAN RECOMMENDATIONS

A. Additional Water Supply Analysis

Section 4 of the 2022 Plan indicates that the system is projected to experience a supply deficit of approximately 500 gallons per minute (gpm) by 2040 with Well No. 3 and the Davison Plant decommissioned. Due to the change in projected populations, a review of the water use projections with the updated demand was performed following the same process used in the 2022 Plan. The results are summarized in the following.

1. 2025 MDD

The estimated 2025 MDD is 956 gpm (1.38 MGD). The firm capacity of the system is currently 1,900 gpm (2.74 MGD). Firm well capacity exceeds the 2025 MDD, and the system has a well

supply surplus of 944 gpm. No additional well supply is needed to meet the present day MDD, which is consistent with the 2022 Plan.

2. 2025 MDD with Fire Flow

Using the same assumptions from the 2022 Plan with an updated MDD of 956 gpm, a demand rate of 4,456 gpm for 3 hours must be satisfied when accounting for fire flow. During a 3-hour fire event, the system is projected to have a capacity surplus of 3,094 gpm, or approximately 557,000 gallons. Storage in the system is able to meet the 2025 MDD with fire flow, and no additional storage is required.

3. 2040 MDD

The total pumpage on the 2040 maximum day is estimated to be 913 gpm (1.31 MGD) and the firm well capacity is 1,900 gpm. The City has a surplus of 987 gpm and no additional well capacity is required.

4. 2040 MDD with Fire Flow

Using an updated MDD of 913 gpm, a demand rate of 4,413 gpm for 3 hours must be satisfied. During a 3-hour fire event, the system is projected to have a capacity surplus of 3,137 gpm, or approximately 565,000 gallons. Storage in the system is able to meet the 2040 MDD with fire flow, and no additional storage is needed.

5. 2025 MDD without Well No. 3, Davison Plant, and Reservoir

Due to the age and condition of the infrastructure at the Davison Plant, it is recommended that the facility and reservoir be taken out of service before 2040. For the following analyses, it is assumed that Well No. 3, the Davison Plant Reservoir, and the Davison Plant booster pumps are no longer in service.

The 2025 MDD is estimated to be 956 gpm (1.38 MGD). If Well No. 3 is abandoned, the firm well capacity becomes 1,000 gpm (1.44 MGD) resulting in a small surplus of 44 gpm.

6. 2025 MDD with Fire Flow without Well No. 3, Davison Plant, and Reservoir

A demand rate of 4,456 gpm for 3 hours must be satisfied in order to meet the 2025 MDD with fire flow. Without Well No. 3, the Davison Plant, and the Davison Plant Reservoir, the firm well capacity becomes 1,000 gpm, and there is no ground-level storage available. Under these conditions during a 3-hour fire event, the system is projected to have a capacity surplus of 294 gpm, or approximately 53,000 gallons.

7. 2040 MDD without Well No. 3, Davison Plant, and Reservoir

The total pumpage on the maximum day in 2040 is estimated to be 913 gpm (1.31 MGD). If Well No. 3 is abandoned, the firm well capacity of the system becomes 1,000 gpm (1.44 MGD) resulting in a surplus of 87 gpm.

8. 2040 MDD with Fire Flow without Well No. 3, Davison Plant, and Reservoir

A demand rate of 4,413 gpm for 3 hours must be satisfied in order to meet the 2040 MDD with fire flow. Without Well No. 3, the Davison Plant, and the Davison Plant Reservoir, the firm well capacity becomes 1,000 gpm and there is no ground-level storage available. Under these conditions during a 3-hour fire event, the system is projected to have a capacity surplus of 337 gpm, or approximately 61,000 gallons.

While this updated evaluation shows the system has a small capacity surplus under present-day and 2040 MDD conditions with the Davison Plant out of service, the system is put in a near-deficit and additional supply and storage is recommended before they are decommissioned. Well No. 3 and the Davison Plant have reached the end of their useful life and are in need of replacement. The City should begin planning for a new well and facility with the goal of having a new well online by 2030.

While outside the scope of the WSSAP, the City is also proactively planning for the eventual replacement of the low zone (Furnace Street) elevated tank. The Furnace Street tank was constructed in 1958. Infrastructure plans typically assign a useful life of 80 years to welded steel tanks and this tank has been in service for 67 years. Replacement of the tank is considered a lower priority than a new well facility, but should be programmed for replacement before 2040. One possible location for a new tank is a parcel near the existing tank recently acquired by the City.

B. Effective Utilization

Currently, all wells and facilities in the system are being used effectively. The existing system has almost one full well facility of reserve capacity, but due to the age of the Well No. 3 facility, is not as reliable, is at the end of its useful life, and is in need of replacement, resulting in minimal reserve capacity. All current infrastructure is being used and no inactive facilities are within the system.

C. Increased Water Supply

To maintain adequate supply and allow for decommissioning of the Davison Plant, a new well facility is recommended to be constructed before 2030. While a specific site has not yet been selected for the well, it is generally planned to be located in the southwest corner of the City limits. The well would be sourced from a deep aquifer, have a capacity of approximately 1,000 gpm, and be constructed with a well facility. A well siting study is required to be completed before the construction of Well No. 7. This study will provide additional details for the well and facility.

The construction of the new well and its associated facility will not be expected to cause adverse environmental impacts based on a preliminary site that will be identified when a siting study is conducted. The proposed Well No. 7 will draw from a deep aquifer. The regional geologic and hydrogeologic setting

will be stable, with no unique conditions that would be influenced by the project. Groundwater and surface water quantity and quality are not expected to change, and available aquifer drawdown data should indicate that pumping from this formation will not cause measurable declines or affect nearby water resources. Regional hydrogeologic studies and water supply assessments should support these conclusions and also indicate that existing conditions will be maintained. The addition of the well should not alter current or projected land use trends. The site will be located outside of any floodways, floodplains, and wetlands so that no impacts to wetlands or floodplains are anticipated. Additionally, no environmentally sensitive areas will be in proximity to the proposed site.

7.09 ANALYSIS OF CONSISTENCY WITH OTHER PLANS AND AGREEMENTS

A. Approved Comprehensive Plans

Comprehensive plans that include the City are the 2013 Comprehensive Plan and the *Grant County Comprehensive Plan* (Amended 2010), both prepared by the Southwestern Wisconsin Regional Planning Commission (SWWRPC). The City is currently working with the SWWRPC on an update to its 2013 Comprehensive Plan. The City population projection in the 2022 Plan and, as updated in Addendum No. 1, is generally consistent with the population projection from the 2013 Comprehensive Plan. Information from the 2022 Plan does not contradict with the *2010 Grant County Comprehensive Plan*.

B. Approved Areawide Water Quality Management Plans

There are no known areawide water quality management plans that include the City.

C. Existing Land Use Agreements

The City does not have any current land use agreements. Section 3.05 of the 2022 Plan discusses areas of future development; however, these boundaries could change depending on growth extents.

D. Existing Wholesale or Retail Customer Sales Agreements

There are no known wholesale or retail customer sales agreements between the City and another entity.

E. Other Existing Agreements

There are no other known agreements between the City and another entity.

7.10 PUBLIC PARTICIPATION

This addendum to the 2022 Plan is based on requirements of WDNR NR 854 and will be available for public review and presented during an upcoming public meeting. Comments will be requested by e-mail or public comments at a public hearing. Comments will be added to this addendum as an Appendix and will be reviewed and acknowledged by the Common Council.

7.11 SUBMISSION OF PLAN TO LOCAL GOVERNMENTS

A submission of the plan to local governments will take place after public participation. Any comments from local governments will be added to this addendum as an Appendix.

7.12 PROCEDURES FOR IMPLEMENTING AND UPDATING THE PLAN

The City will continue to monitor water demands, populations changes, and the resulting impact on the 2022 Plan. As changes are deemed necessary, the City will work with the WDNR and the PSCW to revise and update the WSSAP through the end of the planning period. At a minimum, the City will need to review and update the plan as necessary every 5 years in accordance with the requirements of the Wisconsin Administrative Code. Future updates will need to consider changes to the City's comprehensive plan, which may impact the WSSAP.

APPENDIX B
WELL DRILLING LOGS

Well Construction Report
WISCONSIN UNIQUE WELL NUMBER BF879

Drinking Water and Groundwater - DG/5
Department of Natural Resources, Box 7921
Madison WI 53707

Form 3300-077A

Property Owner: PLATTEVILLE, CITY OF	Phone #: (608)348-9741
Mailing Address: 75 N BONSON ST	
City: PLATTEVILLE	State: WI — Zip Code: 53818
County: Grant	Co. Permit #: — Notification #: — Completed: 10-14-1932
Well Constructor (Business Name): EGERER-GALLOWAY	Lic. #: 21 — Facility ID # (Public Wells): 122011560
Address: —	Well Plan Approval #: — Approval Date (mm-dd-yyyy): 08-23-1932
Hicap Permanent Well #: 78893	Common Well #: 003 — Specific Capacity: 9.5

3. Well serves # of
Municipal/Community
Heat Exchange____# of drillholes
Hicap Well ?
Hicap Property ?
Hicap Potable ?

1. Well Location
City of PLATTEVILLE
Fire # (if avail.)
Street Address or Road Name and Number: VALLEY RD #3
Subdivision Name — Lot # — Block #
Latitude / Longitude in Decimal Degree (DD): 42.73012 °N -90.47177 °W
Method Code: GPS008
NW SE or Govt Lot # — Section: 15 — Township: 3 N — Range: 1 W

2. Well Type New Well
of previous unique well # — constructed in
Reason for replaced or reconstructed well ?
Construction Type: Drilled

4. Potential Contamination Sources - ON REVERSE SIDE

5. Drillhole Dimensions and Construction Method

Dia. (in.)	From (ft.)	To (ft.)
24	Surface	41.9
22	41.9	334
15	334	667
12	667	927

Upper Enlarged Drillhole — Lower Open Bedrock
Rotary - Mud Circulation .....
Rotary - Air .....
Rotary - Air & Foam .....
Drill-Through Casing Hammer
Reverse Rotary
Cable-tool Bit ____in. dia...
Dual Rotary .....
Temp. Outer Casing ____in. dia
Removed? ____depth ft. (If NO explain on back side)

8. Geology

Geology Codes				Type, Caving/Noncaving, Color, Hardness, etc...	From (ft.)	To (ft.)
		C		CLAY	Surface	20
		L		DOLOMITE GAL PLAT	20	122
G		N		SANDSTONE GAL PLAT	122	160
	M	N	A	SANDSTONE # CONGLOMERATE STP	160	216
G		H	L	SHALE STP	216	224
		L		DOLOMITE LMAGN	224	430
G		N	L	SANDSTONE JORDAN	430	460
		L		DOLOMITE TREMP	460	575
	N	N	L	SANDSTONE-FRANCONIAN	575	605
	H	N	M	SILTSTONE-FRANCONIAN	605	615
		N	L	SANDSTONE-FRANCONIAN	615	690
I		N		SANDSTONE-DRESBACH	690	720
		N		SANDSTONE-EAU CLAIRE	720	927

6. Casing, Liner, Screen

Dia. (in.)	Material, Weight, Specification Manufacturer & Method of Assembly	From (ft.)	To (ft.)
24	DRIVE PIPE	Surface	41.9
18	G W I WELDED PIPE	0	334
Dia. (in.)	Screen type, material & slot size	From (ft.)	To (ft.)

7. Grout or Other Sealing Material

Method

Kind of Sealing Material	From (ft.)	To (ft.)	# Sacks Cement
UNKNOWN	Surface	0	

9. Static Water Level	11. Well Is
200 ft. below ground surface	0 in. _____ grade
10. Pump Test	Developed ?
Pumping level 311 ft. below surface	Disinfected ?
Pumping at 1050 GP M for 0 Hrs.	Capped ?
Pumping Method ?	

12. Notified Owner of need to fill & seal ?

Filled & Sealed Well(s) as needed?

13. Constructor / Supervisory Driller	Lic #	Date Signed
Drill Rig Operator	Lic or Reg #	Date Signed

4a. Potential Contamination Sources Is the well located in floodplain ?

Comment: PUMP CAPACITY IS 1000 GPM

Created On: 01-13-1999 Updated On: 08-16-2022

DRAFT 12/29/2025

Well Construction Report
WISCONSIN UNIQUE WELL NUMBER WQ163

Drinking Water and Groundwater - DG/5
Department of Natural Resources, Box 7921
Madison WI 53707
Form 3300-077A

Property Owner: PLATTEVILLE, CITY OF			Phone #: (608)348-9741
Mailing Address: 75 N BONSON STREET			
City: PLATTEVILLE	State: WI	Zip Code: 53818	
County: Grant	Co. Permit #:	Notification #:	Completed: 06-17-2011

Well Constructor (Business Name): LAYNE CHRISTENSEN COMPANY	Lic. #: 582	Facility ID # (Public Wells): 122011560	
Address: W229 N5005 DUPLAINVILLE PEWAUKEE WI 53072		Well Plan Approval #: 2010-0654	
		Approval Date (mm-dd-yyyy): 11-24-2010	
Hicap Permanent Well #: 71821	Common Well #: 5	Specific Capacity: 12.7	

1. Well Location

City of PLATTEVILLE

Fire # (if avail.)

Street Address or Road Name and Number: INSIGHT DRIVE

Subdivision Name	Lot #	Block #

Latitude / Longitude in Decimal Degree (DD): 42.72972 °N -90.4416 °W

Method Code: OTH001

NW SW or Govt Lot #	Section	Township	Range
	13	3 N	1 W

2. Well Type New Well

of previous unique well # constructed in

Reason for replaced or reconstructed well ?

Construction Type: Drilled

3. Well serves # of Municipality

Municipal/Community

Heat Exchange____# of drillholes

Hicap Well ? Yes

Hicap Property ? Yes

Hicap Potable ?

4. Potential Contamination Sources - ON REVERSE SIDE

5. Drillhole Dimensions and Construction Method

Dia. (in.)	From (ft.)	To (ft.)
24	Surface	32
22.75	32	655
17	655	1040

Upper Enlarged Drillhole		Lower Open Bedrock
Yes	Rotary - Mud Circulation	Yes
Yes	Rotary - Air	No
No	Rotary - Air & Foam	No
No	Drill-Through Casing Hammer	
No	Reverse Rotary	
No	Cable-tool Bit ____in. dia...	No
No	Dual Rotary	No
No	Temp. Outer Casing ____in. dia	
No	Removed? ____depth ft. (If NO explain on back side)	

8. Geology

Geology Codes				Type, Caving/Noncaving, Color, Hardness, etc...	From (ft.)	To (ft.)
-	-	Y	-	Sand & Gravel	Surface	7
-	-	L	-	Limestone/Dolomite	7	310
-	-	N	-	Sandstone	310	640
-	-	L	-	Limestone/Dolomite	640	1000
-	-	N	-	Sandstone	1000	1040

6. Casing, Liner, Screen

Dia. (in.)	Material, Weight, Specification Manufacturer & Method of Assembly	From (ft.)	To (ft.)
24	125.49 LBS/FT API5L GR. B PEB HUSTEEL CO. LTD 0.500 WALL	Surface	32
18	A53 GRADE B PEB 70.59 LBS/FT TIPO STEEL PIPE 0.375 WALL	0	655
Dia. (in.)	Screen type, material & slot size	From (ft.)	To (ft.)

7. Grout or Other Sealing Material

Method guide show with Larkin Head

Kind of Sealing Material	From (ft.)	To (ft.)	# Sacks Cement
Neat Cement Grout	Surface	655	700 S

9. Static Water Level

319 ft. below ground surface

10. Pump Test

Pumping level 440 ft. below surface

Pumping at 1541 GP M for 20 Hrs.

Pumping Method ?

11. Well Is

24 in. above grade

Developed ? Yes

Disinfected ? Yes

Capped ? Yes

12. Notified Owner of need to fill & seal ?

Filled & Sealed Well(s) as needed? Yes

13. Constructor / Supervisory Driller	Lic #	Date Signed
DG		06-06-2011
Drill Rig Operator	Lic or Reg #	Date Signed

4a. Potential Contamination Sources Is the well located in floodplain ? No

Comment:

Created On: 06-21-2011 Updated On: 04-19-2013

DRAFT 12/29/2025

Well Construction Report
WISCONSIN UNIQUE WELL NUMBER ZU710

Drinking Water and Groundwater - DG/5
Department of Natural Resources, Box 7921
Madison WI 53707
Form 3300-077A

Property Owner	PLATTEVILLE, CITY OF
Phone #	(608)348-9741
Mailing Address	75 N BONSON STREET
City	PLATTEVILLE
State	WI
Zip Code	53818
County	Grant
Co. Permit #	
Notification #	
Completed	03-14-2019
Well Constructor (Business Name)	MUNICIPAL WELL & PUMP/MIDWEST WELL
Lic. #	13
Facility ID # (Public Wells)	122011560
Well Plan Approval #	2018-0472A
Address	1212 STORBECK DR WAUPUN WI 53963
Approval Date (mm-dd-yyyy)	12-13-2018
Hicap Permanent Well #	92466
Common Well #	006
Specific Capacity	8.6

1. Well Location

City of PLATTEVILLE	Fire # (if avail.) 1085
Street Address or Road Name and Number	CAMP STREET
Subdivision Name	
Lot #	
Block #	
Latitude / Longitude in Decimal Degree (DD)	42.7418 °N -90.491 °W
Method Code	OTH001
SW SE or Govt Lot #	
Section	9
Township	3 N
Range	1 W

2. Well Type Replacement

of previous unique well # BF880 constructed in 1968

Reason for replaced or reconstructed well ?

WATER QUALITY

Construction Type Drilled

3. Well serves # of CITY

Municipal/Community

Heat Exchange____# of drillholes

Hicap Well ? Yes
Hicap Property ? Yes
Hicap Potable ? No

4. Potential Contamination Sources - ON REVERSE SIDE

5. Drillhole Dimensions and Construction Method

Dia. (in.)	From (ft.)	To (ft.)
23	Surface	430
19	430	500
15	500	965

Upper Enlarged Drillhole		Lower Open Bedrock
No	Rotary - Mud Circulation	No
No	Rotary - Air	No
No	Rotary - Air & Foam	No
No	Drill-Through Casing Hammer	
Yes	Reverse Rotary	
No	Cable-tool Bit ____in. dia...	No
Yes	Dual Rotary	Yes
Yes	Temp. Outer Casing 24in. dia	
Yes	Removed? 30depth ft. (If NO explain on back side)	

6. Casing, Liner, Screen

Dia. (in.)	Material, Weight, Specification Manufacturer & Method of Assembly	From (ft.)	To (ft.)
24	TEMP O.500" WALL ASTM A53B	0	30
20	ASTM A53B, 0.375", PE/BEV, CHUNG HUNG STL	Surface	430
16	ASTM A53B, 0.375", PE/BEV, PARAGON IND	0	500

8. Geology

Geology Codes				Type, Caving/Noncaving, Color, Hardness, etc...	From (ft.)	To (ft.)
T		Y	C	T-TAN/BROWN Y-SAND & GRAVEL C-CLAYEY	Surface	18
Y	B	L		Y-YELLOW B-BROKEN L-LIMESTONE/DOLOMITE	18	30
Y		L	S	Y-YELLOW L-LIMESTONE/DOLOMITE S-SANDY	30	100
G		L		G-GRAY L-LIMESTONE/DOLOMITE	100	185
G	X	N	H	G-GRAY X-LENSED/STREAKED/LAYERED N-SANDSTONE H-SHALEY	185	375
I	X	N	H	I-WHITE X-LENSED/STREAKED/LAYERED N-SANDSTONE H-SHALEY	375	380
E	Q	H		E-GREEN Q-CAVING H-SHALE	380	415
R		L	S	R-RED L-LIMESTONE/DOLOMITE S-SANDY	415	490
P		N		P-PINK N-SANDSTONE	490	630
E	X	N	H	E-GREEN X-LENSED/STREAKED/LAYERED N-SANDSTONE H-SHALEY	630	955
E		H		E-GREEN H-SHALE	955	965

Dia. (in.)	Screen type, material & slot size	From (ft.)	To (ft.)

7. Grout or Other Sealing Material

Method TREMIE PIPE - PUMPED

Kind of Sealing Material	From (ft.)	To (ft.)	# Sacks Cement
NEAT CEMENT GROUT	Surface	500	665 S

9. Static Water Level

265 ft. below ground surface

10. Pump Test

Pumping level 438 ft. below surface

Pumping at 1483 GP M for 24 Hrs.

Pumping Method ? Test Pump

11. Well Is

18 in. above grade

Developed ? Yes

Disinfected ? Yes

Capped ? Yes

12. Notified Owner of need to fill & seal ? No

Filled & Sealed Well(s) as needed? Yes

13. Constructor / Supervisory Driller	Lic #	Date Signed
TG	4135	04-11-2019
Drill Rig Operator	Lic or Reg #	Date Signed
BS	4349	04-11-2019

4a. Potential Contamination Sources Is the well located in floodplain ? No

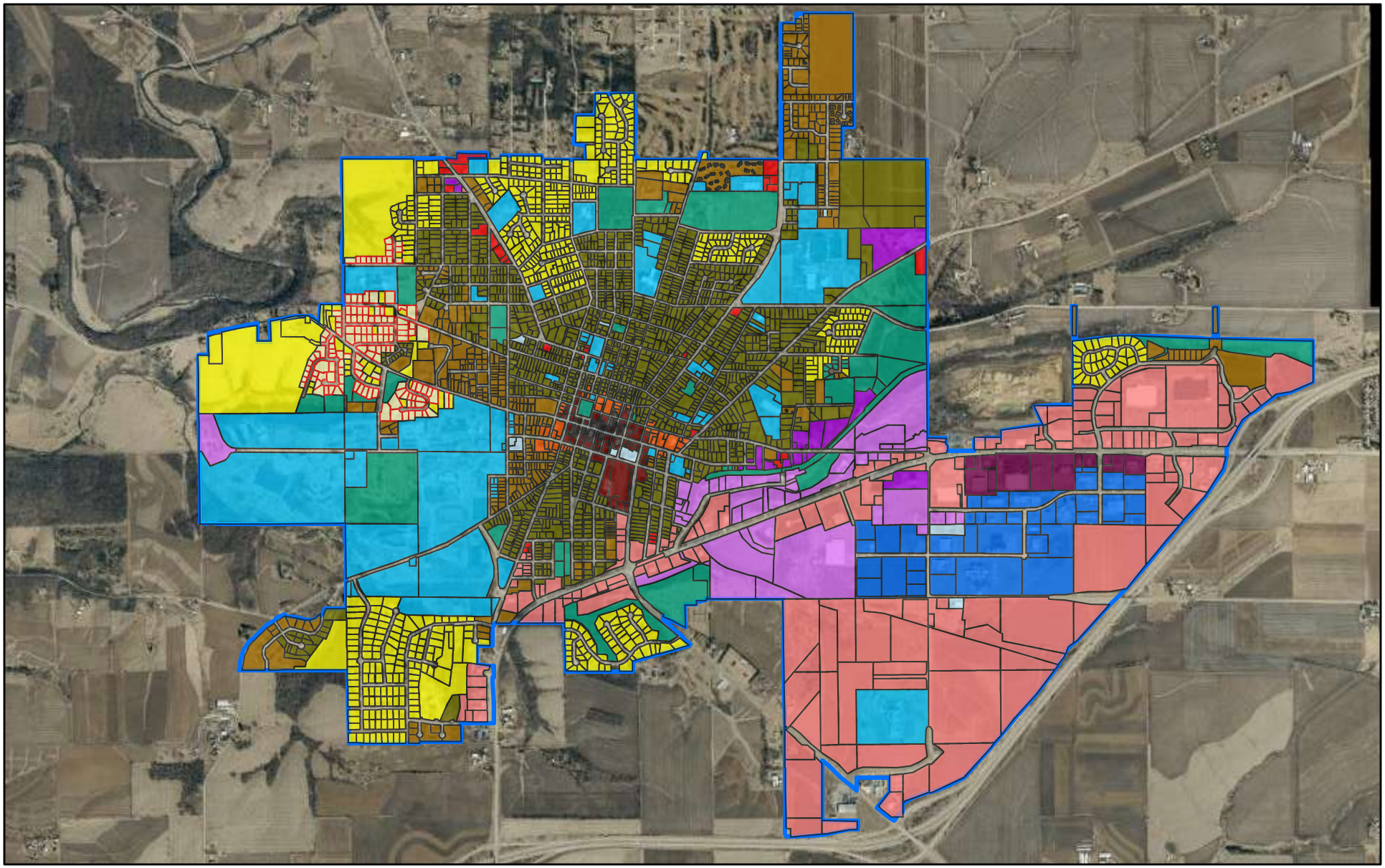
Comment:

Created On: 04-11-2019 Updated On: 05-23-2019

APPENDIX C
EXISTING LAND USE MAP

Existing Land Use Map

DRAFT 12/29/2025



12/3/2025, 11:10:32 AM

Zoning (By Parcel)

- B1 - Neighborhood Business
- B2 - Central Business
- B3 - Highway Business
- C1 - Conservation
- CBT - Central Business Transition
- I1 - Institutional
- M1 - Heavy Commercial/Light Manufacturing or Industrial
- M2 - Heavy Manufacturing/Industrial
- M3 - Mixed Use Commercial/Manufacturing/Industrial
- M4 - Applied Technology District
- PUD - Planned Unit Development
- R-1 / R-LO - Limited Occupancy Residential Overlay
- R1 - One Family Residential
- R2 - One & Two Family Residential
- R3 - Multi-Family Residential
- A-T - ET Zoning
- Municipal Boundary

1:41,000

0 0.25 0.5 1 mi

0 0.4 0.8 1.6 km

Web AppBuilder for ArcGIS