BEFORE THE MINNESOTA PUBLIC UTILITIES COMMISSION

Katie J. Sieben Chair
Hwikwon Ham Commissioner
Audrey C. Partridge Commissioner
Joseph K. Sullivan Commissioner
John A. Tuma Commissioner

In the Matter of the Application of Minnesota Power and Great River Energy for a Certificate of Need and Route Permit for an Approximately 180-mile, Double Circuit 345kV Transmission Line

ISSUE DATE: February 28, 2025

DOCKET NO. E-015, ET-2/CN-22-416

DOCKET NO. E-015, ET-2/TL-22-415

ORDER GRANTING CERTIFICATE OF NEED AND ISSUING ROUTE PERMIT

PROCEDURAL HISTORY

On August 4, 2023, Minnesota Power and Great River Energy (collectively Applicants or Permittees) filed a combined certificate of need and route permit application to construct the Northland Reliability Project.

On November 15, 2023, the Commission issued its Order Accepting Applications as Complete and Establishing Procedural Requirements. In the order, the Commission authorized joint hearings and combined environmental review for the certificate of need and route permit dockets, and requested that the Office of Administrative Hearings assign an administrative law judge (ALJ) to preside over public hearings and prepare a full report including findings of fact, conclusions of law, and recommendations.

On February 13, 2024, the Department of Commerce, Energy Environmental Review and Analysis staff (EERA) filed recommendations regarding the appropriate scope of the environmental assessment that it would prepare to analyze Applicants' proposal and various alternatives to it.

On March 6, 2024, the Commission issued an order adopting EERA's recommended scope of the environmental assessment with modifications.

On March 22, 2024, EERA filed its Environmental Assessment Scoping Decision.

On June 28, 2024, EERA filed the Northland Reliability Project Environmental Assessment.

On July 1, 2024, EERA filed a revised Northland Reliability Project Environmental Assessment.

On November 8, 2024, the Office of Administrative Hearings filed the ALJ's Findings of Fact, Conclusions of Law, and Recommendations (ALJ Report).

On November 25, 2024, LIUNA Minnesota and North Dakota filed comments on the ALJ Report, and EERA and Applicants filed exceptions to the report. On the same date, Stanley Erickson and Don Loehr filed exceptions and the Department of Natural Resources (DNR) filed comments in the route-permit docket.

On December 23, 2024, the Commission issued a Notice of Comment Period that included questions for Applicants and also invited comments from all interested persons and participants.

By January 22, 2025, comments from stakeholders and numerous members of the public were filed into the record.

On January 23, 2025, this matter came before the Commission.

FINDINGS AND CONCLUSIONS

I. The Project

Applicants seek a certificate of need and route permit for the Northland Reliability Project (Project), which involves constructing or replacing roughly 180 miles of transmission lines and making improvements to the power grid. Of the 180 miles, approximately 140 would be a new, double-circuit 345-kilovolt (kV) transmission line that would connect the existing Iron Range Substation to a new Cuyuna Series Compensation Station and the existing Benton County Substation. The remaining 40 miles would replace two existing approximately 20-mile high-voltage transmission lines—one from the Benton County Substation to the new Xcel Energy Big Oaks Substation and the other from the Benton County Substation to the existing Xcel Energy Sherco Substation in Sherburne County.

Grid improvements in the Project include expansions of the existing Iron Range and Benton County Substations, rerouting existing transmission lines at those substations, constructing a new Cuyuna Series Compensation Station near the existing Riverton Substation, and rerouting an existing transmission line in the Riverton area.

Applicants stated that the Project is needed to maintain transmission system reliability and to optimize regional transfer capability as coal-fired generation ceases in northern Minnesota and renewable generation comes online in the upper Midwest. Applicants also stated that 85% of the proposed route is located along existing high-voltage transmission lines. The Project is scheduled to be in service by June 2030.

In response to comments on the draft route permit and from the public hearings, Applicants developed two routes: a Modified Proposed Route and a Co-Location Maximization Route. The Modified Proposed Route is based on the originally proposed route but includes certain route and alignment alternatives. The Co-Location Maximization Route uses the Modified Proposed Route but incorporates additional constructible opportunities for achieving the maximized co-location of transmission line infrastructure.

II. Public Comments

Members of the public commented throughout this proceeding, both at public hearings and through written comments. The Commission appreciates the input from the public and interested stakeholders, particularly those affected by the Project.

III. ALJ Report

The ALJ held public hearings daily from July 22 to July 26, 2024, and received written comments on the combined application through August 5, 2024. Based on the combined application, Environmental Assessment, testimony at the hearings, written comments, and other evidence in the record, the ALJ issued her report. The ALJ concluded that the relevant statutory and rule criteria had been satisfied and recommended that the Commission grant Applicants a certificate of need and issue a route permit, with modifications, for the Co-Location Maximization Route.

After a thorough review of the record, the Commission concurs with most of the ALJ's findings, conclusions, and recommendations, and will therefore adopt the ALJ Report to the extent it is consistent with the Commission's decisions herein.

IV. Environmental Assessment

The Commission authorized joint hearings and combined environmental review of Applicants' certificate of need and route permit applications.¹ For purposes of environmental review, the Commission requested that EERA prepare an Environmental Assessment pursuant to Minn. Stat. § 216E.04, subd. 5.² Following seven public meetings and an associated comment period, EERA prepared a scoping decision that identified possible impacts of the Project and mitigation measures to ameliorate those impacts—including routing alternatives and alternatives to the Project itself—to be analyzed in the Environmental Assessment.

EERA subsequently prepared and filed into the record the Environmental Assessment, which the ALJ ultimately found to be complete.³ The Commission concurs with the ALJ and finds that the Environmental Assessment and the record created at the public hearings and during the comment period comprehensively address the issues identified in the scoping decision.

V. Certificate of Need

Under Minnesota law, "[n]o large energy facility shall be sited or constructed in Minnesota without the issuance of a certificate of need by the commission[...]." The transmission line

¹ Order Accepting Applications as Complete and Establishing Procedural Requirements, Ordering Paragraph 4 (November 15, 2023).

² *Id.* at Ordering Paragraph 5.

³ ALJ Report, Finding 745.

⁴ Minn. Stat. § 216B.243, subd. 2.

Applicants proposed to construct meets the statutory definition of a "large energy facility." The requirements of Minn. Stat. § 216B.243 and Minn. R. 7849.0120 must be satisfied for the Commission to grant a certificate of need. No party opposed granting Applicants a certificate of need for the Project.

The ALJ applied the certificate of need requirements to the record and concluded that the Project satisfied the certificate of need criteria.⁶ The Commission concurs with the ALJ's comprehensive analysis and thorough examination of the certificate of need criteria in the statute and rule and will therefore grant a certificate of need to Applicants for the Project, finding that:

- the factors set forth in Minn. R. 7849.0120(A), have been met and the probable result of denying the application would likely be an adverse effect upon the future adequacy, reliability, or efficiency of energy supply to the applicant, to the applicant's customers, or to the people of Minnesota and neighboring states;
- the factors set forth in Minn. R. 7849.0120(B), have been met and a more reasonable and prudent alternative to the Project has not been demonstrated by a preponderance of the evidence in the record;
- the factors set forth in Minn. R. 7849.0120(C), have been met and the preponderance of the evidence in the record demonstrates that the Project will provide benefits to society in a manner compatible with protecting the natural and socioeconomic environments, including human health; and
- the factors set forth in Minn. R. 7849.0120(D), have been met and the record does not demonstrate that the design, construction, or operation of the proposed facility, or a suitable modification of the proposed facility, will fail to comply with relevant policies, rules, and regulations of other state and federal agencies and local governments.

A. Cost Recovery

The ALJ found that the estimated cost to construct the Co-Location Maximization Route to be approximately \$1.1 billion to \$1.6 billion.⁷ To ensure that Project costs are reasonable and prudently incurred, the Commission will require Minnesota Power to bear the burden of proof in any future regulatory proceeding related to the recovery of any costs above \$1,210,000,000. Nothing prevents the Applicant from seeking recovery of additional amounts through the Transmission Cost Recovery Rider.

B. MISO Variance Analysis

The Commission will require Applicants to inform the Commission of the initiation of the Midcontinent Independent System Operator (MISO) Variance Analysis under Attachment FF

⁵ See Minn. Stat. § 216B.2421, subd. 2.

⁶ ALJ Report, Conclusion 8.

⁷ ALJ Report, Finding 191.

within 5 business days of initiation.⁸ Applicants must file all copies of information submitted to the MISO Variance Analysis process. Disclosures must be consistent with Applicants' MISO Tariff.

VI. Route Permit

The ALJ recommended that the Commission approve Applicants' Co-Location Maximization Route with modifications. The Commission agrees that a modified Co-Location Maximization Route best satisfies the route permit criteria set forth in Minn. Stat. § 216E.03, subd. 7(a) and Minn. R. 7850.4100. But the Commission disagrees with the ALJ on a few segments of the route. The Commission will therefore issue a route permit to Applicants authorizing the Co-Location Maximization Route as modified in this order.

In determining which route segments to adopt, the Commission considered the many alternatives commenters proposed. The Commission appreciates the participation of other governmental agencies, including the DNR, in this proceeding. The DNR's input helped effectively identify potential impacts and possible mitigation measures.

Disagreement among commenters about the Project's route focused primarily on the following five regions.

A. Iron Range Substation Region

1. Comments

The ALJ recommended modifying Applicants' route in the Iron Range Substation region to include route alternative A3, which is 1.4 miles long and would cross an existing transmission line in two places. The ALJ found that "A3 strikes the most reasonable balance between the various competing policy objectives and concerns of stakeholders."

EERA disagreed with the ALJ that A3 was the most appropriate route and instead recommended that the Commission approve Applicants' proposed route consistent with Finding 717 in the ALJ Report. EERA noted that A3 would have more impacts on residences than the Co-Location Maximization Route and would create substantial reliability concerns by crossing an existing transmission line twice. For the same reasons, Applicants advocated for their proposed route and for rejecting A3.

2. Commission Action

The Commission agrees with EERA and Applicants that Applicants' route is preferrable to A3 due to A3's closer proximity to residences and the reliability concerns raised by its two crossings

¹⁰ Finding 717 in the ALJ Report states, "In the Iron Range Substation Region, the Applicants' Proposed Route, which in this region is the same as the Co-Location Maximization Route, is most consistent with the Commission's routing criteria. In the [Environmental Assessment], EERA compared the Applicants' Proposed Route with alternative routes A1 through A4."

⁸ Attachment FF is part of the MISO Tariff.

⁹ ALJ Report, Finding 97.

of an existing transmission line. The Commission will therefore reject ALJ Findings 97 and 737 and ALJ Conclusions 11 and 14 and adopt Applicants' route and EERA's modified findings 97 and 737 filed on November 25, 2024.

B. Hill City to Little Pine Region

1. Comments

In the Hill City to Little Pine region, the ALJ found Applicants' Co-Location Maximization Route to be the most consistent with the Commission's routing criteria.¹¹

A landowner proposed alternative alignment 1 (AA1), which would shift Applicants' route west to avoid private property. Applicants modified AA1 to avoid a planned building site on a landowner's property and incorporated modified AA1 into its Co-Location Maximization Route. The modified AA1 would relocate Minnesota Power's 92 line and 11 line west to allow for the Project to be located on the existing 92 line right-of-way. According to Applicants, the modified AA1 would increase the mid-range Project cost by \$7.1 million.

2. Commission Action

The Commission agrees with the ALJ and will adopt Applicants' route in the Hill City to Little Pine region. The Commission is not persuaded, however, that it should adopt the modification to AA1 because the increased cost to ratepayers may not be warranted. Instead, for the property identified in AA1, the Commission will require Applicants to continue the proposed route to the south and east of the 92 line without the proposed realignment, and Permittees must work with the affected landowners to provide mitigation or relocation.

C. Cole Lake to Riverton Region

1. Comments

The ALJ recommended that the Commission modify Applicants' Co-Location Maximization Route to include route alternatives E4 or E5 in the Cole Lake to Riverton region. Property owners near Little Rabbit Lake also supported E4 or E5 but other members of the public opposed those route alternatives because of the impacts to their properties.

In its exceptions, EERA stated that Applicants' Co-location Maximization Route was more appropriate in the Cole Lake to Riverton region than E4 or E5. EERA also noted that even though the ALJ recommended route alternatives E4 or E5, she made a finding that the Co-Location Maximization Route is the most consistent with the Commission's routing criteria. ¹² In support of its recommendation, EERA observed that E4 and E5 would introduce substantial

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¹¹ ALJ Report, Finding 720.

¹² Finding 724 in the ALJ Report states, "In the Cole Lake to Riverton Region, the Co-Location Maximization Route is most consistent with the Commission's routing criteria. In this region, the [Environmental Assessment] compared the Applicants' Proposed Route to alignment alternative 3 (AA3), route alternatives E1 through E5, alignment alternatives 8, 9, and 10 (AA8, AA9, and AA10), and route alternative G."

reliability concerns with six crossings of existing transmission lines. Furthermore, E4 and E5 would cross the Mississippi River twice and would require more new transmission line rights-of-way than the Co-Location Maximization Route.

In addition to the reasons EERA articulated, Applicants stated that the modifications necessary to make routes E4 and E5 feasible would likely result in residential displacement. Further, Applicants asserted that E4 and E5 were not constructible as proposed because both would cross directly over the existing Riverton Substation, which would create reliability concerns and necessitate a costly relocation of the substation. Applicants did not specifically quantify the cost of such a relocation, and the property owners near Little Rabbit Lake disputed the need to relocate the Riverton Substation.

2. Commission Action

The Commission agrees with EERA that Applicants' Co-Location Maximization Route best satisfies the Commission's routing criteria. The record does not support adopting E4 and E5 because the routes would require two additional crossings of the Mississippi River, create reliability concerns with six crossings of existing transmission lines, and would necessitate establishing more rights-of-way than Applicants' route, which primarily utilizes existing transmission line rights-of-way. In light of the applicable routing criteria, these factors strongly support the Applicants' Co-Location Maximization Route in this region, even without weighing the potential impacts to the existing Riverton Substation. For these reasons, the Commission will reject the ALJ's Finding 737 and Conclusions 11 and 14 and will instead adopt Applicants' route and EERA's modification to findings 116 and 737 filed on November 25, 2024.

To reduce the number of structures at the Mississippi Crossing in the Cole Lake to Riverton region, the Commission will require Applicants to extend the co-location at the Mississippi River in Perry Lake Township as proposed by Applicants in Attachment 1 of their January 10, 2025 filing.

D. Long Lake Region

1. Comments

The ALJ found that utilizing Applicants' Co-Location Maximization Route along with route alternatives H4 and H7 *or* route alternative H1 was most consistent with the Commission's routing criteria. Applicants agreed with the ALJ with respect to H4 and H7 but disagreed about route alternative H1. Applicants asserted that H1 would result in impacts to landowners who do not support that route alternative, and it would impact a vineyard that the Co-Location Maximization Route avoids. Route alternatives H4 and H7 are more consistent with the routing criteria, in Applicants' view, because they maximize the distance of the Project from residences, minimize the impacts on private land, and make the greatest use of tax-forfeited land compared to other route alternatives in the area.

Members of the public Stan Erickson and Don Loehr opposed any routes that would sever and fragment the 250 acres of forestland on their properties, but they supported a modified H4 and

¹³ ALJ Report, Finding 738.

H7 that would locate the line, once it reached the northern boundary of Erickson's property, on the eastern boundary of the 3,000-foot route width leading to and through Applicants' modified H4 and H7. Applicants did not oppose this modification.

2. Commission Action

The Commission agrees with the ALJ and Applicants that route alternatives H4 and H7 best satisfy the routing criteria and should be adopted. The Commission considers H4 and H7 preferrable to H1 for the reasons Applicants identified. Accordingly, the Commission will reject ALJ Finding 738 and Conclusions 11 and 14.

The Commission appreciates Erickson's and Loehr's efforts in working with Applicants to find an acceptable route placement. The Commission agrees with the placement and will therefore direct Applicants' to route the Project to and through Applicants' modified H4 and H7, but when it reaches the northern boundary of Erickson's property, to locate the line on the eastern boundary of the 3,000-foot route width leading to and through Applicants' modified H4 and H7.

The Commission will also direct Applicants to expand the route width at the already expanded area at the intersection of Minnesota Highway 18, CSAH 23 and County Road 159 in Crow Wing County by an additional 1,000 feet to the north to allow Applicants to work with the landowners in this portion of the route to identify acceptable routes from west to east in this area.

When Applicants come to the Commission for cost recovery of the Project, for the portion between Platte Township Crow Wing County and Mayhew Township Morrison County, the realignments of the existing 230 kV lines, Applicants must provide information justifying any realignments incorporated into the Project.

E. Benton County Elk River Region

The ALJ found that the Co-Location Maximization Route in the Benton County Elk River region is most consistent with the Commission's routing factors. ¹⁴ The Commission agrees with the ALJ and will adopt the Co-Location Maximization Route in that region.

F. Additional Findings and Conclusions

Consistent with its findings and conclusions in this order, the Commission will adopt Applicants' alternative modifications to ALJ Conclusion 11 as filed on November 25, 2024, to the extent it aligns with other decisions made by the Commission.

8

¹⁴ *Id*

VII. **Other Actions**

Permit Conditions Α.

The ALJ found that the permit conditions revised by Applicants and as modified by EERA in its reply comments were reasonable and should be incorporated into the route permit. ¹⁵ The Commission agrees with the ALJ and will therefore incorporate those conditions.

В. **Tribal Engagement**

The Leech Lake Band of Ojibwe Tribal Employment Rights Office (TERO) submitted comments stating that the Project "presents a significant opportunity for the development of career skills among tribal members, and collaboration with the Tribal Employment Rights Office serves as a crucial pathway to unlocking these opportunities." Applicants did not oppose working with the Leech Lake Band of Ojibwe TERO.

The Commission will require Permittees to engage with the Leech Lake Band of Ojibwe TERO and develop opportunities for Tribal economic and workforce development related to the Project. For any construction (including decommissioning work) along the route, Permittees will coordinate with the Leech Lake Band of Ojibwe TERO to ensure that the Project includes opportunities for, including but not limited to, the hiring and training of tribal members and the utilization of tribal businesses. Permittees must report on their efforts to coordinate with TERO and the results of the coordination including, but not limited to, tribal members hired and the use of tribal businesses within 30 days after construction of the Project has been completed.

C. **Continued Engagement with Landowners**

The Co-Location Maximization Route will be approved as proposed by Applicants and as modified herein. The approved Co-Location Maximization Route includes an anticipated centerline that incorporates certain shifting of existing transmission lines to accommodate structures that have been erected near existing transmission lines as detailed in Section III of Applicants' January 10, 2025 filing or result in the boxing in of properties of less than 40 acres with transmission lines on three sides. Permittees must continue to work with landowners in advance of the plan and profile filing to explore possible mitigations or property purchases that would eliminate the need for shifting the existing transmission lines. As part of the plan and profile filing, Permittees must file a report that includes a description of their resolutions, proposed actions, and final design for review by EERA. After all transactions for these particular parcels are completed and in all cost recovery proceedings for this line in front of the Commission, Permittees must update this report. Permittees must provide copies of these reports to the landowners included in the reports along with a description of how to make comments to the Commission on the substance of the report.

¹⁵ ALJ Report, Finding 740.

¹⁶ Leech Lake Band of Ojibwe Comments, p. 1 (November 21, 2023).

D. Reporting Requirement

Applicants must file revised Project cost estimates in 2022 dollars reflecting the Commission's decision within 60 days of this order.

ORDER

- 1. The Commission adopts the ALJ Report to the extent it is consistent with the Commission's decisions.
- 2. The Commission grants a certificate of need to Minnesota Power and Great River Energy for the Northland Reliability Project.
- 3. Minnesota Power shall bear the burden of proof in any future regulatory proceeding related to the recovery of any costs above \$1,210,000,000. Nothing prevents the Applicant from seeking recovery of additional amounts through the Transmission Cost Recovery Rider.
- 4. Applicants must inform the Commission of the initiation of Midcontinent Independent System Operator (MISO) Variance Analysis under Attachment FF within 5 business days of initiation. Applicants must file all copies of information submitted to the MISO Variance Analysis process. Disclosures must be consistent with Applicants' MISO Tariff.
- 5. The Commission issues a route permit to Minnesota Power and Great River Energy for the Northland Reliability Project authorizing the Co-Location Maximization Route proposed by Applicants, as modified below:
 - a. Iron Range Substation Region
 - i. The Commission rejects ALJ Findings 97 and 737 and ALJ Conclusions 11 and 14.
 - ii. The Commission adopts Applicants' route and EERA's modified findings 97 and 737 filed on November 25, 2024.
 - b. Hill City to Little Pine Region
 - i. The Commission adopts Applicants' route.
 - ii. For the property identified in AA1, Applicants must continue the proposed route to the south and east of the 92 line without the proposed realignment, and Permittees must work with the affected landowners to provide mitigation or relocation.
 - c. Cole Lake to Riverton Region
 - i. The Commission rejects the ALJ's Finding 737 and Conclusions 11 and 14.
 - ii. The Commission adopts Applicants' route and EERA's modification to findings 116 and 737 filed on November 25, 2024.
 - iii. Applicants must extend the co-location at the Mississippi River in Perry Lake Township to reduce the number of structures at the

Mississippi Crossing as proposed by Applicants in Attachment 1 of their January 10, 2025 filing.

d. Long Lake Region

- i. The Commission adopts H4/H7, Applicants' modified route alternative.
- ii. The Commission rejects ALJ Finding 738 and Conclusions 11 and 14.
- iii. Applicants' route must follow to and through Applicants' modified H4/H7, but when it reaches the northern boundary of Erickson's property, locate the line on the eastern boundary of the 3,000-foot route width leading to and through Applicants' modified H4/H7.
- iv. Applicants must expand the route width at the already expanded area at the intersection of Minnesota Highway 18, CSAH 23 and County Road 159 in Crow Wing County by another 1,000 feet to the north to allow Applicants to work with the landowners in this portion of the route to identify acceptable routes from west to east in this area.
- v. When Applicants come to the Commission for cost recovery of the Project, for the portion between Platte Township Crow Wing County and Mayhew Township Morrison County, the realignments of the existing 230 kV lines, Applicants must provide information justifying any realignments incorporated into the Project.

e. Benton County Elk River Region

i. The Commission adopts the Co-Location Maximization Route.

f. Additional Findings and Conclusions

- i. The Commission adopts Applicants' alternative modifications to ALJ Conclusion 11 as filed on 11/25/2024 to the extent it aligns with other decisions made by the Commission.
- 6. The Commission incorporates the conditions recommended by the ALJ into the route permit.
- 7. Permittees must engage with the Leech Lake Band of Ojibwe Tribal Employment Rights Office (TERO) and develop opportunities for Tribal economic and workforce development related to the Northland Reliability Project. For any construction (including decommissioning work) along the route, Permittees will coordinate with the Leech Lake Band of Ojibwe TERO to ensure that the Project includes opportunities for, including but not limited to, the hiring and training of Tribal members and the utilization of Tribal businesses. Permittees must report on their efforts to coordinate with TERO and the results of the coordination including, but not limited to, Tribal members hired and use of Tribal businesses within 30 days after construction of the Project has been completed.
- 8. The Co-Location Maximization Route is approved as proposed by Applicants, as modified herein. The approved Co-Location Maximization Route includes an anticipated centerline that incorporates certain shifting of existing transmission lines to accommodate

structures that have been erected near existing transmission lines as detailed in Section III of Applicants' January 10, 2025 filing or result in the boxing in of properties of less than 40 acres with transmission lines on three sides. Permittees must continue to work with landowners in advance of the plan and profile filing to explore possible mitigations or property purchases that would eliminate the need for shifting the existing transmission lines. As part of the plan and profile filing, Permittees must file a report that includes a description of their resolutions, proposed actions, and final design for review by EERA. After all transactions for these particular parcels are completed and at all cost recovery proceedings for this line in front of the Commission, Permittees must update this report. Permittees must provide copies of these reports to the landowners included in the reports along with a description of how to make comments to the Commission on the substance of the report.

- 9. Within 60 days of the date of this order, Applicants must file revised Project cost estimates in 2022 dollars reflecting the Commission's decision herein.
- 10. This order shall become effective immediately.

BY ORDER OF THE COMMISSION

Will Seuffert

Executive Secretary

William Aufte



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STATE OF MINNESOTA PUBLIC UTILITIES COMMISSION

ROUTE PERMIT FOR NORTHLAND RELIABILITY PROJECT

A HIGH-VOLTAGE TRANSMISSION LINE AND ASSOCIATED FACILITIES

ΙN

AITKIN, BENTON, CROW WING, ITASCA, MORRISON, AND SHERBURNE COUNTIES

ISSUED TO MINNESOTA POWER AND GREAT RIVER ENERGY

PUC DOCKET NO. 22-415

In accordance with the requirements of Minnesota Statutes Chapter 216E and Minnesota Rules Chapter 7850 this route permit is hereby issued to:

MINNESOTA POWER AND GREAT RIVER ENERGY

Minnesota Power and Greater River Energy are authorized by this route permit to construct and operate an approximately 180-mile 345 kV double-circuit transmission line in Aitkin, Benton, Crow Wing, Itasca, Morrison, and Sherburne Counties, Minnesota

The high-voltage transmission line shall be constructed within the route identified in this route permit and in compliance with the conditions specified in this route permit.

Approved and adopted this 28th day of February 2025

BY ORDER OF THE COMMISSION

William Lefte

Will Seuffert,

Executive Secretary

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CONTENTS

1		ROUTE PE	RMIT	1
	1.1	Pre-emp	tion	1
2		TRANSMIS	SSION FACILITY DESCRIPTION	1
	2.1	Structure	es	9
	2.2	Conduct	ors	9
	2.3	Substati	ons and Associated Facilities	10
3		DESIGNAT	ED ROUTE	11
4		RIGHT-OF	-WAY	12
5		GENERAL	CONDITIONS	13
	5.1	Route Pe	ermit Distribution	13
	5.2		o Property	
	5.3	Construc	ction and Operation Practices	13
		5.3.1	Field Representative	13
		5.3.2	Employee Training - Route Permit Terms and Conditions	
		5.3.3	Independent Third-Party Monitoring	14
		5.3.4	Public Services, Public Utilities, and Existing Easements	14
		5.3.5	Temporary Workspace	15
		5.3.6	Noise	15
		5.3.7	Aesthetics	15
		5.3.8	Soil Erosion and Sediment Control	15
		5.3.9	Wetlands and Water Resources	16
		5.3.10	Vegetation Management	17
		5.3.11	Application of Pesticides	17
		5.3.12	Invasive Species	17
		5.3.13	Noxious Weeds	18
		5.3.14	Roads	18
		5.3.15	Archaeological and Historic Resources	18
		5.3.16	Avian Protection	19
		5.3.17	Drainage Tiles	19
		5.3.18	Restoration	19
		5.3.19	Cleanup	19
		5.3.20	Pollution and Hazardous Wastes	19
		5.3.21	Damages	20
	5.4	Electrica	l Performance Standards	20
		5.4.1	Grounding	20

		5	.4.2 Ele	ectric Field	20
		5	.4.3 In	terference with Communication Devices	20
	5.5	Oth	ner Requ	rirements	21
		5	.5.1 Sa	fety Codes and Design Requirements	21
		5	.5.2 Ot	her Permits and Regulations	21
6		SPEC	IAL CON	DITIONS	21
	6.1	Veg	getation	Management Plan	22
	6.2	Agr	ricultura	I Impact Mitigation Plan	22
	6.3	Dus	st Contro	ol	23
	6.4	Wil	ldlife-Fri	endly Erosion Control	23
	6.5	Pro	ject Ligh	nting	23
	6.6	Veg	getation	Clearing Before Construction	23
	6.7	Suk	ostation	Construction	24
	6.8	Trik	oal Empl	oyment and Training	24
	6.9	Cos	st Recov	ery	24
	6.10	MIS	SO Varia	nce Analysis	24
	6.11	Lan	ndowner	Engagement	24
	6.12	Rev	vised Pro	eject Cost	25
7		DELA	Y IN CO	NSTRUCTION	25
8		СОМ	PLAINT	PROCEDURES	25
9		СОМ	PLIANC	E REQUIREMENTS	26
	9.1	Pre	-Constru	uction Meeting	26
	9.2	Pla	n and Pr	ofile	26
	9.3	Sta	tus Repo	orts	27
	9.4	In-S	Service [Date	27
	9.5	As-	Builts		27
	9.6	GP:	S Data		27
	9.7	Rig	ht of Ent	try	27
1()	ROU	TE PERM	IIT AMENDMENT	28
11	L	TRAN	NSFER O	F ROUTE PERMIT	28
1 -	,	DEVIC		I OD CHCDENCION OF DOLLTE DEDMIT	20

ATTACHMENTS

Attachment 1 – Complaint Handling Procedures for Permitted Energy Facilities

Attachment 2 – Compliance Filing Procedures for Permitted Energy Facilities

Attachment 3 – Route Permit Maps

1 ROUTE PERMIT

The Minnesota Public Utilities Commission (Commission) hereby issues this route permit to Minnesota Power and Great River Energy (Permittee) pursuant to Minnesota Statutes Chapter 216E and Minnesota Rules Chapter 7850. This route permit authorizes the Permittee to construct and operate an approximately 180-mile double-circuit 345 kV transmission line and associated facilities in Aitkin, Benton, Crow Wing, Itasca, Morrison, and Sherburne Counties, Minnesota (Northland Reliability Project, henceforth known as Transmission Facility or Project). The high-voltage transmission line shall be constructed within the route identified in this route permit and in compliance with the conditions specified in this route permit.

1.1 Pre-emption

Pursuant to Minn. Stat. § 216E.10, this route permit shall be the sole route approval required for construction of the transmission facilities and this route permit shall supersede and preempt all zoning, building, or land use rules, regulations, or ordinances promulgated by regional, county, local and special purpose governments.

2 TRANSMISSION FACILITY DESCRIPTION

Minnesota Power and Great River Energy will construct and co-own an approximately 180-mile 345 kV double-circuit transmission line that consists of two segments:

- 1) Segment 1: construction of a new, approximately 140-mile long, double-circuit 345 kilovolt transmission line connecting the expanded Iron Range Substation, a new Cuyuna Series Compensation Station (described below), and the new Cherry Park Substation; and
- 2) Segment 2: replacement of two existing high-voltage transmission lines. a) Replace an approximately 20-mile 230 kV line with two 345 kV circuits from the Cherry Park Substation to the new Xcel Energy Big Oaks Substation along existing high-voltage transmission right-of-way on double-circuit 345 kV structures; and b) Replace an approximately 20-mile 345 kV line from the Cherry Park Substation to the existing Xcel Energy Sherco Substation in Sherburne County along existing high-voltage transmission right-of-way using double-circuit 345 kV structures.

The Transmission Facility is located in the following:

County	Local Government	Township (N)	Range (W)	Section	
Itasca	Unorganized Territory of Little Sand Lake	, , , , , ,			
Itasca	Unorganized Territory of Little Sand Lake	55	23	19 20	
Itasca	,				
Itasca	Unorganized Territory of Little Sand Lake				
Itasca	Unorganized Territory of Little Sand Lake	55	23	31	
Itasca	Unorganized Territory of Little Sand Lake	55	23	32	
Itasca	Trout Lake Township	55	24	25	
Itasca	Trout Lake Township	55	24	36	
Itasca	Blackberry Township	54	24	1	
Itasca	Blackberry Township	54	24	2	
Itasca	Blackberry Township	54	24	10	
Itasca	Blackberry Township	54	24	11	
Itasca	Blackberry Township	54	24	15	
Itasca	Blackberry Township	54	24	16	
Itasca	Blackberry Township	54	24	20	
Itasca	Blackberry Township	54	24	21	
Itasca	a Blackberry Township 54		24	29	
Itasca	Blackberry Township	54	24	30	
Itasca	Blackberry Township	54	24	31	
Itasca	Splithand Township	53	24	6	
Itasca	Splithand Township	53	24	7	
Itasca	Wildwood Township	53	25	12	
Itasca	Wildwood Township	53	25	13	
Itasca	Wildwood Township	53	25	23	
Itasca	Wildwood Township	53	25	24	
Itasca	Wildwood Township	53	25	25	
Itasca	Wildwood Township	53	25	26	
Itasca	Wildwood Township	53	25	35	
	Unorganized Territory of Northwest				
Aitkin	Aitkin	52	25	2	
	Unorganized Territory of Northwest				
Aitkin	Aitkin	52	25	3	
	Unorganized Territory of Northwest				
Aitkin	Aitkin	52	25	10	
	Unorganized Territory of Northwest				
Aitkin	Aitkin	52	25	15	

County	Local Government	Township (N)	Range (W)	Section
	Unorganized Territory of Northwest			
Aitkin	Aitkin	52	25	16
	Unorganized Territory of Northwest			
Aitkin	Aitkin	52	25	21
	Unorganized Territory of Northwest			
Aitkin	Aitkin	52	25	22
	Unorganized Territory of Northwest			
Aitkin	Aitkin	52	25	28
	Unorganized Territory of Northwest			
Aitkin	Aitkin	52	25	29
	Unorganized Territory of Northwest			
Aitkin	Aitkin	52	25	31
	Unorganized Territory of Northwest			
Aitkin	Aitkin	52	25	32
Aitkin	Hill Lake Township	52	26	36
	Unorganized Territory of Northwest			
Aitkin	Aitkin	51	25	6
Aitkin	Macville Township	51	26	1
Aitkin	Macville Township	51	26	2
Aitkin	Macville Township	51	26	9
Aitkin	Macville Township	51	26	10
Aitkin	Macville Township	51	26	11
Aitkin	Macville Township	51	26	16
Aitkin	Macville Township	51	26	17
Aitkin	Macville Township	51	26	18
Aitkin	Macville Township	51	26	19
Aitkin	Macville Township	51	26	20
Aitkin	Macville Township	51	26	30
Aitkin	Macville Township	51	26	31
Aitkin	Macville Township	51	26	32
	Unorganized Territory of Northwest			
Aitkin	Aitkin	51	27	36
	Unorganized Territory of Northwest			
Aitkin	Aitkin	50	26	6
	Unorganized Territory of Northwest			
Aitkin	Aitkin	50	27	1
	Unorganized Territory of Northwest			
Aitkin	Aitkin	50	27	12

County	ounty Local Government Township Range (N) (W)		_	Section
	Unorganized Territory of Northwest			
Aitkin	Aitkin	50	27	13
	Unorganized Territory of Northwest			
Aitkin	Aitkin	50	27	14
	Unorganized Territory of Northwest			
Aitkin	Aitkin	50	27	23
	Unorganized Territory of Northwest			
Aitkin	Aitkin	50	27	24
	Unorganized Territory of Northwest			
Aitkin	Aitkin	50	27	26
	Unorganized Territory of Northwest			
Aitkin	Aitkin	50	27	27
	Unorganized Territory of Northwest			
Aitkin	Aitkin	50	27	33
	Unorganized Territory of Northwest			
Aitkin	Aitkin	50	27	34
Crow Wing	Little Pine Township	138	25	13
Crow Wing	Little Pine Township	138	25	23
Crow Wing	Little Pine Township	138	25	24
Crow Wing	Little Pine Township	138	25	26
Crow Wing	Little Pine Township	138	25	34
Crow Wing	Little Pine Township	138	25	35
Crow Wing	Ross Lake Township	137	25	3
Crow Wing	Ross Lake Township	137	25	4
Crow Wing	Ross Lake Township	137	25	9
Crow Wing	Ross Lake Township	137	25	10
Crow Wing	Ross Lake Township	137	25	16
Crow Wing	Ross Lake Township	137	25	17
Crow Wing	Ross Lake Township	137	25	20
Crow Wing	Ross Lake Township	137	25	29
Crow Wing	Ross Lake Township	137	25	30
Crow Wing	Ross Lake Township	137	25	31
Crow Wing	Fairfield Township	137	26	36
Crow Wing	Perry Lake Township	136	26	2
Crow Wing	Perry Lake Township	136	26	3
Crow Wing	Perry Lake Township	136	26	9
Crow Wing	Perry Lake Township	136	26	10

County			Range (W)	Section
Crow Wing	Perry Lake Township	136	26	11
Crow Wing	Perry Lake Township	136	26	15
Crow Wing	Perry Lake Township	136	26	16
Crow Wing	Perry Lake Township	136	26	17
Crow Wing	Perry Lake Township	136	26	19
Crow Wing	Perry Lake Township	136	26	20
Crow Wing	Perry Lake Township	136	26	21
Crow Wing	Perry Lake Township	136	26	29
Crow Wing	Perry Lake Township	136	26	30
Crow Wing	Perry Lake Township	136	26	31
Crow Wing	Wolford Township	47	29	16
Crow Wing	Wolford Township	47	29	17
Crow Wing	Wolford Township	47	29	20
Crow Wing	Wolford Township	47	29	21
Crow Wing	Wolford Township	47	29	29
Crow Wing	Wing Wolford Township 47 29		29	30
Crow Wing	Wolford Township	47	29	31
Crow Wing	ng City of Trommald 47 29		32	
Crow Wing	City of Trommald	46	29	5
Crow Wing	Irondale Township	46	29	6
Crow Wing	Irondale Township	46	29	7
Crow Wing	Irondale Township	46	29	8
Crow Wing	Irondale Township	46	29	18
Crow Wing	City of Riverton	46	29	18
Crow Wing	Irondale Township	46	29	19
Crow Wing	City of Riverton	46	29	19
Crow Wing	Irondale Township	46	30	13
Crow Wing	Oak Lawn Township	46	30	24
Crow Wing	Oak Lawn Township	46	30	25
Crow Wing	Oak Lawn Township	46	30	36
Crow Wing	Oak Lawn Township	45	30	1
Crow Wing	Oak Lawn Township 45 30		12	
Crow Wing	Oak Lawn Township	45	30	13
Crow Wing	Oak Lawn Township	45	30	24
Crow Wing	Oak Lawn Township	45	30	25
Crow Wing	Nokay Lake Township	45	29	19
Crow Wing	Nokay Lake Township	45	29	30

County	County Local Government To		Range (W)	Section
Crow Wing	Nokay Lake Township	45	29	31
Crow Wing	Nokay Lake Township	hip 45 29		
Crow Wing	Nokay Lake Township	45	29	33
Crow Wing	Maple Grove Township	44	29	4
Crow Wing	Maple Grove Township	44	29	5
Crow Wing	Maple Grove Township	44	29	9
Crow Wing	Maple Grove Township	44	29	16
Crow Wing	Maple Grove Township	44	29	20
Crow Wing	Maple Grove Township	44	29	21
Crow Wing	Maple Grove Township	44	29	28
Crow Wing	Maple Grove Township	44	29	29
Crow Wing	Maple Grove Township	44	29	30
Crow Wing	Maple Grove Township	44	29	31
Crow Wing	Maple Grove Township	44	29	32
Crow Wing	Platte Lake Township	43	29	6
Crow Wing	Wing Platte Lake Township 43 29		29	7
Crow Wing	Platte Lake Township	43	29	18
Crow Wing	Platte Lake Township	43	29	19
Crow Wing	Platte Lake Township	43	29	30
Crow Wing	Platte Lake Township	43	29	31
Morrison	Pulaski Township	42	29	6
Morrison	Pulaski Township	42	29	7
Morrison	Pulaski Township	42	29	18
Morrison	City of Harding	42	29	18
Morrison	Pulaski Township	42	29	19
Morrison	City of Harding	42	29	19
Morrison	Pulaski Township	42	29	30
Morrison	Pulaski Township	42	29	31
Morrison	Granite Township	41	29	6
Morrison	Granite Township	41	29	7
Morrison	Granite Township	41	29	18
Morrison	Granite Township 41 29		19	
Morrison	Granite Township	41	29	30
Morrison			29	31
Morrison	Pierz Township	40	30	11
Morrison	Pierz Township	40	30	14
Morrison	Pierz Township	40	30	23

County	(N)		Range (W)	Section
Morrison	Pierz Township	40		
Morrison	Pierz Township	40	30	35
Morrison	Buckman Township	39	30	2
Morrison	Buckman Township	39	30	11
Morrison	Buckman Township	39	30	14
Morrison	Buckman Township	39	30	23
Morrison	Buckman Township	39	30	26
Morrison	Buckman Township	39	30	35
Benton	Graham Township	38	30	2
Benton	Graham Township	38	30	11
Benton	Graham Township	38	30	14
Benton	Graham Township	38	30	23
Benton	Graham Township	38	30	26
Benton	Graham Township	38	30	35
Benton	Mayhew Lake Township	37	30	2
Benton	on Mayhew Lake Township 37 30		30	11
Benton	Mayhew Lake Township 37 30		30	14
Benton	Mayhew Lake Township 37 30		30	23
Benton	Mayhew Lake Township	37	30	26
Benton	Mayhew Lake Township	37	30	35
Benton	Minden Township	36	30	2
Benton	Minden Township	36	30	11
Benton	Minden Township	36	30	14
Benton	Minden Township	36	30	23
Benton	Minden Township	36	30	26
Benton	Minden Township	36	30	35
Benton	City of St. Cloud	36	30	35
Benton	Minden Township	36	30	36
Benton	St. George Township	36	29	31
Sherburne	Haven Township	35	30	1
Sherburne	Haven Township	35	30	2
Sherburne			30	12
Sherburne	Palmer Township	35	29	1
Sherburne	·		29	2
Sherburne	Palmer Township	35	29	3
Sherburne	Palmer Township	35	29	4
Sherburne	Palmer Township	35	29	5

County	County Local Government		Range (W)	Section
Sherburne	Palmer Township	35	29	6
Sherburne	Palmer Township	35	29	7
Sherburne	Palmer Township	nship 35 29 :		12
Sherburne	Palmer Township			13
Sherburne	Palmer Township	·		17
Sherburne	Palmer Township 35 29		18	
Sherburne	Palmer Township	35	29	19
Sherburne	Palmer Township	35	29	20
Sherburne	Palmer Township	35	29	24
Sherburne	Palmer Township	35	29	25
Sherburne	Palmer Township	35	29	28
Sherburne	Palmer Township	35	29	29
Sherburne	Palmer Township	35	29	33
Sherburne	Palmer Township	35	29	34
Sherburne	Palmer Township	35	29	35
Sherburne	Palmer Township	35	29	36
Sherburne	Becker Township	34	28	7
Sherburne	Becker Township	34	28	8
Sherburne	Becker Township	34	28	16
Sherburne	Becker Township	34	28	17
Sherburne	Becker Township	34	28	20
Sherburne	Becker Township	34	28	21
Sherburne	Becker Township	34	28	28
Sherburne	Becker Township	34	28	29
Sherburne	City of Becker	34	28	32
Sherburne	Becker Township	34	28	33
Sherburne	City of Becker	34	28	33
Sherburne	Becker Township	34	29	1
Sherburne	Becker Township	34	29	2
Sherburne	Becker Township	34	29	12
Sherburne	Becker Township	34	29	13
Sherburne	Becker Township	34	29	24
Sherburne	City of Becker	34	29	24
Sherburne	Becker Township	34	29	25
Sherburne	City of Becker	34	29	25
Sherburne	City of Becker	34	29	35
Sherburne	City of Becker	34	29	36

County	y Local Government To		Range	Section
		(N)	(W)	
Sherburne	Becker Township	33	28	4
Sherburne	Becker Township	33	28	5
Sherburne	City of Becker	33	28	6
Sherburne	Becker Township	33	28	7
Sherburne	City of Becker	33	28	7
Sherburne	Becker Township	33	28	8
Sherburne	Becker Township	33	28	9
Sherburne	Becker Township	33	28	18
Sherburne	City of Becker	33	28	18
Sherburne	City of Becker	33	29	1
Sherburne	City of Becker	33	29	2
Sherburne	City of Becker	33	29	11
Sherburne	City of Becker	33	29	12
Sherburne	City of Becker	33	29	13

2.1 Structures

The transmission line will primarily consist of double-circuit, tubular steel monopole structures with V-string insulators. These structures will be approximately 130 to 170 feet above ground and spaced 800 to 1,000 feet apart depending upon the terrain and environmental constraints. The average diameter of the monopole foundations will be 7 to 10 feet, with specialty structures, including double pole structures, having wider foundation diameters. The diameter of each monopole will be narrower than the diameter of each foundation.

Portions of the Transmission Facility in Sherburne County will consist of triple-circuit, tubular steel monopole structures with a 69 kV underbuild position to accommodate an existing 69-kV transmission line. These monopoles will include V-string and I-string insulators for the 345 kV and 69 kV conductors, respectively. Structures will be approximately 140 to 180 feet above ground and spaced 600 to 800 apart.

Where existing transmission lines will be realigned, relocated, reconfigured, or replaced, the structure types will include, but are not limited to, typical wood or steel monopole or H-frame structures. These structures will be approximately 60 to 180 feet above ground and spaced 300 feet to 1,000 feet apart, depending on the structure type used.

2.2 Conductors

The Permittees will use two different conductor types for the project: a horizontally bundled

twisted pair-type aluminum conductor steel reinforced (T2-ACSR) or similar type and a bundled aluminum conductor steel supported (ACSS) or similar type.

The table below details the specifications of the various structure and conductor types as presented in the route permit application.

The table below details the Specifications on the various structure and conductor types as presented in the route permit application.

Line Type	Conductor	Structure		Foundation	Height	Span	
Lifte Type	Conductor	Type	Material	Foundation	пеідііі	Span	
Double-	T2-ACSR or	Monopole	Steel	Concrete	130-170	800 –	
Circuit	ACSS			Pier		1,000	
345/345 kV							
Single-	T2-ACSR or	H-frame	Wood	Direct	65-90	700-900	
Circuit 230	ACSS			Embed			
kV							
Single-	T2-ACSR or	H-frame	Wood	Direct	60-80	600-800	
Circuit 115	ACSS			Embed			
kV							
Single-	T2-ACSR or	Monopole	Wood	Direct	60-80	300-500	
Circuit 69	ACSS			Embed			
kV Rebuild							
Triple-	T2-ACSR or	Monopole	Steel	Concrete	140-180	600-800	
Circuit	ACSS			Pier			
345/345/69							
kV							

2.3 Substations and Associated Facilities

The project will involve expansion and/or construction of the following substations:

- Expansion of the existing Iron Range Substation, located near Grand Rapids;
- Expansion of the existing Benton County Substation, located near St. Cloud (to be called the Cherry Park Substation),
- Construction of a new Cuyuna Series Compensation Station near the existing Riverton Substation

3 DESIGNATED ROUTE

The route designated by the Commission is depicted on the route maps attached to this route permit (Designated Route). The Designated Route is generally described as follows:

From Minnesota Power's Iron Range Substation, the Route extends south for one mile and then turns west for 0.75 miles, south for 0.5 miles, and west for 0.75 miles, before joining Minnesota Power's 230 kV 92 Line right-of-way. The Route then follows Minnesota Power's 92 Line right-of-way for approximately 30 miles. The Route expands to the west to approximately 3,000 feet at its widest point for about 4,000 feet northsouth near Swatara, Minnesota and then south of Swatara, Minnesota the Route expands approximately 3,000 feet to the east for about 1.75 miles (about 9,800 feet) where it passes an Enbridge pumping station and crosses Minnesota Power's ±250 kV high-voltage direct-current transmission line. The Route then continues to follow the 92 Line right-of-way for approximately 27 miles. Approximately one mile south of the Mississippi River crossing in Wolford Township, the Route includes a 1,000-foot-wide corridor from the east to allow re-build of Minnesota Power's 115 kV 13 Line. The Route continues south for about 1.25 miles and then splits into two arms to allow Minnesota Power's 11 Line, 13 Line, and 92 Line to be co-located mostly within the existing rightsof-way for the 11 Line and 13 Line on the western arm and for the new double-circuit 345 kV transmission line to occupy the existing 92 Line right-of-way on the eastern arm. Each arm extends for about 2.75 miles before entering the north side of the new Minnesota Power Cuyuna Series Compensation Station.

Continuing south from the Cuyuna Series Compensation Station, the Route extends to the southwest and south for 8.5 miles through the Riverton area following, multiple existing transmission line rights-of-way to the Riverton Substation. Beginning at the Riverton Substation, the Route parallels Great River Energy's 230 kV MR Line right-of-way, crossing Highway 210, and heads south to Highway 18. At Highway 18, the Route expands to approximately 4,000 feet east-west and approximately 4,000 feet north-south and then at Highway 18 turns east along new right-of-way for 0.5 miles before turning southeast along Great River Energy's 69 kV RW Line for about 3 miles. The Route then turns south and has a 3,000-foot width for about 3.25 miles and then turns diagonal southwest for approximately 2.5 miles with a 2,000-foot width before rejoining Great River Energy's MR Line. The Route then continues south following Great River Energy's MR Line for 48 miles to Great River Energy's Cherry Park Substation, which is adjacent to Great River Energy's existing Benton County Substation.

South of the Cherry Park Substation (adjacent to the existing Benton County Substation), the Route primarily centers on Great River Energy's existing 230 kV MR Line and 345 kV GRE-BS Line from the Cherry Park Substation to Xcel Energy's new Big Oaks Substation

and Xcel Energy's Sherco Substation, respectively. For the final 2.5 miles of the Route into the Big Oaks Substation the Route deviates from the existing MR Line primarily following roads east across Highway 10 and south along Sherburne Avenue.

The Designated Route includes an anticipated alignment and a right-of-way. The right-of-way is the physical land needed for the safe operation of the transmission line. The Permittee shall locate the alignment and associated right-of-way within the Designated Route unless otherwise authorized by this route permit or the Commission. The Designated Route provides the Permittee with flexibility for minor adjustments of the alignment and right-of-way to accommodate landowner requests and unforeseen conditions.

Any modifications to the Designated Route or modifications that would result in right-of-way placement outside the Designated Route shall be specifically reviewed by the Commission in accordance with Minn. R. 7850.4900 and Section 10 of this route permit.

4 RIGHT-OF-WAY

This route permit authorizes the Permittee to obtain a new permanent right-of-way for the transmission lines authorized by this Route Permit of approximately 150 feet in width for each line. The permanent right-of-way is typically 75 feet on both sides of the 345kV transmission line measured from its centerline or alignment. Some areas of the Transmission Facility may require wider rights-of-way based on actual design conditions.

The anticipated alignment is intended to minimize potential impacts relative to the criteria identified in Minn. R. 7850.4100. The final alignment must generally conform to the anticipated alignment identified on the route maps unless changes are requested by individual landowners and agreed to by the Permittee or for unforeseen conditions that are encountered or as otherwise provided for by this route permit.

Any right-of-way or alignment modifications within the Designated Route shall be located so as to have comparable overall impacts relative to the factors in Minn. R. 7850.4100, as does the right-of-way and alignment identified in this route permit and shall be specifically identified and documented in and approved as part of the plan and profile submitted pursuant to Section 9.2 of this route permit.

Where the transmission line parallels existing highway and other road rights-of-way, the transmission line right-of-way shall occupy and utilize the existing right-of-way to the maximum extent possible; consistent with the criteria in Minn. R. 7850.4100, and the other requirements of this route permit; and for highways under the jurisdiction of the Minnesota Department of

Transportation (MnDOT), the procedures for accommodating utilities in trunk highway rights-of-way.

5 GENERAL CONDITIONS

The Permittee shall comply with the following conditions during construction and operation of the Transmission Facility over the life of this route permit.

5.1 Route Permit Distribution

Within 30 days of issuance of this route permit, the Permittee shall provide all affected landowners with a copy of this route permit and the complaint procedures. An affected landowner is any landowner or designee that is within or adjacent to the Designated Route. In no case shall a landowner receive this route permit and complaint procedures less than five days prior to the start of construction on their property. The Permittee shall also provide a copy of this route permit and the complaint procedures to the applicable regional development commissions, county environmental offices, and city and township clerks. The Permittee shall file with the Commission an affidavit of its route permit and complaint procedures distribution within 30 days of issuance of this route permit.

5.2 Access to Property

The Permittee shall notify landowners prior to entering or conducting maintenance within their property, unless otherwise negotiated with the landowner. The Permittee shall keep records of compliance with this section and provide them upon the request of the Minnesota Department of Commerce (Department of Commerce) staff or Commission staff.

5.3 Construction and Operation Practices

The Permittee shall comply with the construction practices, operation and maintenance practices, and material specifications described in the permitting record for this Transmission Facility unless this route permit establishes a different requirement in which case this route permit shall prevail.

5.3.1 Field Representative

The Permittee shall designate a field representative responsible for overseeing compliance with the conditions of this route permit during construction of the Transmission Facility. This person shall be accessible by telephone or other means during normal business hours throughout site preparation, construction, cleanup, and restoration.

The Permittee shall file with the Commission the name, address, email, phone number, and emergency phone number (if different) of the field representative at least 14 days prior to the pre-construction meeting. The Permittees need to only provide the field representative's contact information to those landowners that are the subject of the Permittees' vegetation clearing or plan and profile submission and additional landowners may be notified separately when the Permittees are ready to proceed with a vegetation clearing or plan and profile filing for other Transmission Facility areas. The Permittees shall provide the field representative's contact information to affected landowners, local government units and other interested persons at least 14 days prior to the pre-construction meeting. The Permittee may change the field representative at any time upon notice to the Commission, affected landowners, local government units and other interested persons. The Permittee shall file with the Commission an affidavit of distribution of its field representative's contact information at least five days prior to the pre-construction meeting and upon changes to the field representative.

5.3.2 Employee Training - Route Permit Terms and Conditions

The Permittee shall train all employees, contractors, and other persons involved in the Transmission Facility construction regarding the terms and conditions of this route permit. The Permittee shall keep records of compliance with this section and provide them upon the request of Department of Commerce staff or Commission staff.

5.3.3 Independent Third-Party Monitoring

Prior to construction, the Permittee shall propose a scope of work and identify an independent third-party monitor to conduct construction monitoring on behalf of the Department of Commerce. The scope of work shall be developed in consultation with and approved by the Department of Commerce. This third-party monitor will report directly to and will be under the control of the Department of Commerce with costs borne by the Permittee. Department of Commerce staff shall keep records of compliance with this section and will ensure that status reports detailing the construction monitoring are filed with the Commission in accordance with scope of work approved by the Department of Commerce.

5.3.4 Public Services, Public Utilities, and Existing Easements

During Transmission Facility construction, the Permittee shall minimize any disruption to public services or public utilities. To the extent disruptions to public services or public utilities occur these shall be temporary, and the Permittee shall restore service promptly. Where any impacts to utilities have the potential to occur the Permittee shall work with both landowners and local entities to determine the most appropriate mitigation measures if not already considered as part of this route permit.

The Permittee shall cooperate with county and city road authorities to develop appropriate signage and traffic management during construction. The Permittee shall keep records of compliance with this section and provide them upon the request of Department of Commerce staff or Commission staff.

5.3.5 Temporary Workspace

The Permittee shall limit temporary easements to special construction access needs and additional staging or lay-down areas required outside of the authorized right-of-way. Temporary space shall be selected to limit the removal and impacts to vegetation. The Permittee shall obtain temporary easements outside of the authorized transmission line right-of-way from affected landowners through rental agreements. Temporary easements are not provided for in this route permit.

The Permittee may construct temporary driveways between the roadway and the structures to minimize impact using the shortest route feasible. The Permittee shall use construction mats to minimize impacts on access paths and construction areas. The Permittee shall submit the location of temporary workspaces and driveways with the plan and profile pursuant to Section 9.1.

5.3.6 Noise

The Permittee shall comply with noise standards established under Minn. R. 7030.0010 to 7030.0080. The Permittee shall limit construction and maintenance activities to daytime working hours to the extent practicable.

5.3.7 Aesthetics

The Permittee shall consider input pertaining to visual impacts from landowners or land management agencies prior to final location of structures, rights-of-way, and other areas with the potential for visual disturbance. The Permittee shall use care to preserve the natural landscape, minimize tree removal and prevent any unnecessary destruction of the natural surroundings in the vicinity of the Transmission Facility during construction and maintenance. The Permittee shall work with landowners to locate the high-voltage transmission line to minimize the loss of agricultural land, forest, and wetlands, and to avoid homes and farmsteads. The Permittee shall place structures at a distance, consistent with sound engineering principles and system reliability criteria, from intersecting roads, highways, or trail crossings.

5.3.8 Soil Erosion and Sediment Control

The Permittee shall implement those erosion prevention and sediment control practices recommended by the Minnesota Pollution Control Agency (MPCA) Construction Stormwater Program. If construction of the Transmission Facility disturbs more than one acre of land or is sited in an area designated by the MPCA as having potential for impacts to water resources, the Permittee shall obtain a National Pollutant Discharge Elimination System/State Disposal System Construction Stormwater Permit from the MPCA that provides for the development of a Stormwater Pollution Prevention Plan that describes methods to control erosion and runoff.

The Permittee shall implement reasonable measures to minimize erosion and sedimentation during construction and shall employ perimeter sediment controls, protect exposed soil by promptly planting, seeding, using erosion control blankets and turf reinforcement mats, stabilizing slopes, protecting storm drain inlets, protecting soil stockpiles, and controlling vehicle tracking. Contours shall be graded as required so that all surfaces provide for proper drainage, blend with the natural terrain, and are left in a condition that will facilitate revegetation and prevent erosion. All areas disturbed during construction of the Transmission Facility shall be returned to pre-construction conditions.

5.3.9 Wetlands and Water Resources

The Permittee shall develop wetland impact avoidance measures and implement them during construction of the Transmission Facility. Measures shall include spacing and placing the power poles at variable distances to span and avoid wetlands, watercourses, and floodplains. Unavoidable wetland impacts as a result of the placement of poles shall be limited to the immediate area around the poles. To minimize impacts, the Permittee shall construct in wetland areas during frozen ground conditions where practicable and according to permit requirements by the applicable permitting authority. When construction during winter is not possible, the Permittee shall use wooden or composite mats to protect wetland vegetation.

The Permittee shall contain soil excavated from the wetlands and riparian areas and not place it back into the wetland or riparian area. The Permittee shall access wetlands and riparian areas using the shortest route possible in order to minimize travel through wetland areas and prevent unnecessary impacts. The Permittee shall not place staging or stringing set up areas within or adjacent to wetlands or water resources, as practicable. The Permittee shall assemble power pole structures on upland areas before they are brought to the site for installation.

The Permittee shall restore wetland and water resource areas disturbed by construction activities to pre-construction conditions in accordance with the requirements of applicable state and federal permits or laws and landowner agreements. The Permittee shall meet the USACE, Minnesota Department of Natural Resources (DNR), Minnesota Board of Water and Soil Resources, and local units of government wetland and water resource requirements.

5.3.10 Vegetation Management

The Permittee shall minimize the number of trees to be removed in selecting the right-of-way specifically preserving to the maximum extent practicable windbreaks, shelterbelts, living snow fences, and vegetation in areas such as trail and stream crossings where vegetative screening may minimize aesthetic impacts, to the extent that such action do not violate sound engineering principles or system reliability criteria.

The Permittee shall remove tall growing species located within the transmission line right-of-way that endanger the safe and reliable operation of the transmission line. The Permittee shall leave undisturbed, to the extent possible, existing low growing species in the right-of-way or replant such species in the right-of-way to blend the difference between the right-of-way and adjacent areas, to the extent that the low growing vegetation will not pose a threat to the transmission line or impede construction.

5.3.11 Application of Pesticides

The Permittee shall restrict pesticide use to those pesticides and methods of application approved by the Minnesota Department of Agriculture (MDA), DNR, and the U.S. Environmental Protection Agency (EPA). Selective foliage or basal application shall be used when practicable. All pesticides shall be applied in a safe and cautious manner so as not to damage adjacent properties including crops, orchards, tree farms, apiaries, or gardens. The Permittee shall contact the landowner at least 14 days prior to pesticide application on their property. The Permittee may not apply any pesticide if the landowner requests that there be no application of pesticides within the landowner's property. The Permittee shall provide notice of pesticide application to landowners and beekeepers operating Minnesota Department of Agriculture registered apiaries within three miles of the pesticide application area at least 14 days prior to such application. The Permittees shall use the Minnesota Department of Agriculture's Apiary Registry (https://mn.beecheck.org/map) to identify apiaries for purposes of compliance with this condition. The Permittee shall keep pesticide communication and application records and provide them upon the request of Department of Commerce staff or Commission staff.

5.3.12 Invasive Species

The Permittee shall employ best management practices to avoid the potential introduction and spread of invasive species on lands disturbed by Transmission Facility construction activities. The Permittee shall develop an Invasive Species Prevention Plan and file it with the Commission at least 14 days prior to the pre-construction meeting. The Permittee shall comply with the most recently filed Invasive Species Prevention Plan.

5.3.13 Noxious Weeds

The Permittee shall take all reasonable precautions against the spread of noxious weeds during all phases of construction. When utilizing seed to establish temporary and permanent vegetative cover on exposed soil the Permittee shall select site appropriate seed certified to be free of noxious weeds. To the extent possible, the Permittee shall use native seed mixes. The Permittee shall keep records of compliance with this section and provide them upon the request of Department of Commerce staff or Commission staff.

5.3.14 Roads

The Permittee shall advise the appropriate governing bodies having jurisdiction over all state, county, city, or township roads that will be used during the construction phase of the Transmission Facility. Where practical, existing roadways shall be used for all activities associated with construction of the Transmission Facility. Oversize or overweight loads associated with the Transmission Facility shall not be hauled across public roads without required permits and approvals.

The Permittee shall construct the fewest number of site access roads required. Access roads shall not be constructed across streams and drainage ways without the required permits and approvals. Access roads shall be constructed in accordance with all necessary township, county or state road requirements and permits.

The Permittee shall promptly repair private roads or lanes damaged when moving equipment or when accessing construction workspace, unless otherwise negotiated with the affected landowner.

5.3.15 Archaeological and Historic Resources

The Permittee shall make every effort to avoid impacts to archaeological and historic resources when constructing the Transmission Facility. In the event that a resource is encountered, the Permittee shall consult with the State Historic Preservation Office and the State Archaeologist. Where feasible, avoidance of the resource is required. Where not feasible, mitigation must include an effort to minimize Transmission Facility impacts on the resource consistent with State Historic Preservation Office and State Archaeologist requirements.

Prior to construction, the Permittee shall train workers about the need to avoid cultural properties, how to identify cultural properties, and procedures to follow if undocumented cultural properties, including gravesites, are found during construction. If human remains are encountered during construction, the Permittee shall immediately halt construction and

promptly notify local law enforcement and the State Archaeologist. The Permittee shall not resume construction at such location until authorized by local law enforcement or the State Archaeologist. The Permittee shall keep records of compliance with this section and provide them upon the request of Department of Commerce staff or Commission staff.

5.3.16 Avian Protection

The Permittee in cooperation with the DNR shall identify areas of the transmission line where bird flight diverters will be incorporated into the transmission line design to prevent large avian collisions attributed to visibility issues. Standard transmission design shall incorporate adequate spacing of conductors and grounding devices in accordance with Avian Power Line Interaction Committee standards to eliminate the risk of electrocution to raptors with larger wingspans that may simultaneously come in contact with a conductor and grounding devices. The Permittee shall submit documentation of its avian protection coordination with the plan and profile pursuant to Section 9.2.

5.3.17 Drainage Tiles

The Permittee shall avoid, promptly repair, or replace all drainage tiles broken or damaged during all phases of the Transmission Facility's life unless otherwise negotiated with the affected landowner. The Permittee shall keep records of compliance with this section and provide them upon the request of Department of Commerce staff or Commission staff.

5.3.18 Restoration

The Permittee shall restore the right-of-way, temporary workspaces, access roads, abandoned right-of-way, and other public or private lands affected by construction of the Transmission Facility. Restoration within the right-of-way must be compatible with the safe operation, maintenance, and inspection of the transmission line. Within 60 days after completion of all restoration activities, the Permittee shall file with the Commission a Notice of Restoration Completion.

5.3.19 Cleanup

The Permittee shall remove and properly dispose of all construction waste and scrap from the right-of-way and all premises on which construction activities were conducted upon completion of each task. The Permittee shall remove and properly dispose of all personal litter, including bottles, cans, and paper from construction activities daily.

5.3.20 Pollution and Hazardous Wastes

The Permittee shall take all appropriate precautions to protect against pollution of the environment. The Permittee shall be responsible for compliance with all laws applicable to the generation, storage, transportation, clean up and disposal of all waste generated during construction and restoration of the Transmission Facility.

5.3.21 Damages

The Permittee shall fairly restore or compensate landowners for damage to crops, fences, private roads and lanes, landscaping, drain tile, or other damages sustained during construction. The Permittee shall keep records of compliance with this section that includes the date the Permittees were notified of the damages and when the restoration or compensation was completed and provide them upon the request of Department of Commerce staff or Commission staff.

5.4 Electrical Performance Standards

5.4.1 Grounding

The Permittee shall design, construct, and operate the transmission line in a manner so that the maximum induced steady-state short-circuit current shall be limited to five milliamperes root mean square (rms) alternating current between the ground and any non-stationary object within the right-of-way, including but not limited to large motor vehicles and agricultural equipment. All fixed metallic objects on or off the right-of-way, except electric fences that parallel or cross the right-of-way, shall be grounded to the extent necessary to limit the induced short-circuit current between ground and the object so as not to exceed one milliampere rms under steady state conditions of the transmission line and to comply with the ground fault conditions specified in the National Electric Safety Code. The Permittee shall address and rectify any induced current problems that arise during transmission line operation.

5.4.2 Electric Field

The Permittee shall design, construct, and operate the transmission line in such a manner that the electric field measured one meter above ground level immediately below the transmission line shall not exceed 8.0 kV/m rms.

5.4.3 Interference with Communication Devices

If interference with radio or television, satellite, wireless internet, GPS-based agriculture navigation systems or other communication devices is caused by the presence or operation of

the Transmission Facility, the Permittee shall take whatever action is necessary to restore or provide reception equivalent to reception levels in the immediate area just prior to the construction of the Transmission Facility. The Permittee shall keep records of compliance with this section and provide them upon the request of Department of Commerce staff or Commission staff.

5.5 Other Requirements

5.5.1 Safety Codes and Design Requirements

The Permittee shall design the transmission line and associated facilities to meet or exceed all relevant local and state codes, the National Electric Safety Code, and North American Electric Reliability Corporation requirements. This includes standards relating to clearances to ground, clearance to crossing utilities, clearance to buildings, strength of materials, clearances over roadways, right-of-way widths, and permit requirements.

5.5.2 Other Permits and Regulations

The Permittee shall comply with all applicable state statutes and rules. The Permittee shall obtain all required permits for the Transmission Facility and comply with the conditions of those permits unless those permits conflict with or are preempted by federal or state permits and regulations.

At least 14 days prior to the pre-construction meeting, the Permittee shall file with the Commission an Other Permits and Regulations Submittal that contains a detailed status of all permits, authorizations, and approvals that have been applied for specific to the Transmission Facility. The Other Permits and Regulations Submittal shall also include the permitting agency name; the name of the permit, authorization, or approval being sought; contact person and contact information for the permitting agency or authority; brief description of why the permit, authorization, or approval is needed; application submittal date; and the date the permit, authorization, or approval was issued or is anticipated to be issued.

The Permittee shall demonstrate that it has obtained all necessary permits, authorizations, and approvals by filing an affidavit stating as such and an updated Other Permits and Regulations Submittal prior to commencing construction. The Permittee shall provide a copy of any such permits, authorizations, and approvals at the request of Department of Commerce staff or Commission staff.

6 SPECIAL CONDITIONS

The special conditions shall take precedence over other conditions of this permit should there be a conflict.

6.1 Vegetation Management Plan

The Permittees shall develop a vegetation management plan (VMP) in coordination with Department of Commerce, Energy Environmental Review and Analysis (EERA) and DNR. The vegetation management plan and documentation of the coordination efforts between the permittees and the coordinating agencies shall be filed at least 14 days prior to the plan and profile for the project. The Permittee shall provide all affected landowners with a copy of the plan; an electronic copy (including by website address) shall be sufficient. The Permittees shall file an affidavit of its distribution of the VMP to landowners with the Commission. Such notice to landowners may be provided for only those portions of the Project that are the subject of the plan for vegetation clearing for each phase of the Project.

The vegetation management plan must include the following:

- Management objectives addressing short term goals (seeding and establishment) and long-term goals (life of the project).
- A description of planned restoration and vegetation management activities, including how the route will be prepared, timing of activities, how seeding will occur (broadcast, drilling, etc.), and the types of seed mixes to be used.
- A description of tree removal/planting activities and the timing of such activities.
- A description of how the route will be monitored and evaluated to meet management goals.
- A description of the management tools used to maintain vegetation (e.g., mowing, spot spraying, hand removal, fire, grazing, etc.), including the timing and frequency of maintenance activities.

6.2 Agricultural Impact Mitigation Plan

In coordination with the Minnesota Department of Agriculture (MDA), the Permittees shall prepare an agricultural impact mitigation plan (AIMP). The AIMP shall be filed at least 14 days prior to any pre-construction meeting. The Permittees shall provide all affected landowners with a copy of the plan.

6.3 Dust Control

The Permittees shall utilize non-chloride products for dust control during construction.

6.4 Wildlife-Friendly Erosion Control

The Permittees shall use only "bio-netting" or "natural netting" types and mulch products without synthetic (plastic) fiber additives.

6.5 Project Lighting

The Permittees must use shielded and downward facing lighting and LED lighting that minimizes blue hue for all new project substation and compensation station facilities. Downward facing lighting must be clearly visible on the plan and profile(s) submitted for the project.

6.6 Vegetation Clearing Before Construction

If the Permittees will clear vegetation for any portion of the Transmission Facility prior to completion of the design necessary to provide a plan and profile contemplated under Section 9, the Permittees shall file with the Commission at least 14 days prior to such vegetation clearing activities:

- The Vegetation Management Plan contemplated under Section 6.1 of this Route Permit that is applicable to any portion of the Transmission Facility being proposed for vegetation clearing;
- A map showing the area proposed for vegetation removal and its location within the Designated Route and compared to the right-of-way identified in this route permit;
- A statement of confirmation that the Permittees have obtained, or will obtain before commencing, necessary land rights and agency permits for the vegetation removal in this area;
- The Permittees' plan for notification of Field Representative for landowners in the identified area; and
- If the Permittees have made any modifications to the right-of-way or alignment within the Designated Route from that identified in this route permit, the Permittee shall demonstrate that the right-of-way to be cleared of vegetation will be located so as to

have comparable overall impacts relative to the factors in Minn. R. 7850.4100, as does the right-of-way and alignment identified in this route permit.

6.7 Substation Construction

Notwithstanding any other requirement in this Permit, Permittees may commence construction of the substations identified in Section 2.3 of this Permit, provided that Permittees comply, as applicable, with Sections 9.1 and 9.2 of this Permit with respect to the specific scope of the construction activities sought to be conducted by Permittees.

6.8 Tribal Employment and Training

Permittees shall engage with the Leech Lake Band of Ojibwe Tribal Employment Rights Office (TERO) and develop opportunities for Tribal economic and workforce development related to the Northland Reliability Project. For any construction (including decommissioning work) along the route, Permittees will coordinate with the Leech Lake Bank of Ojibwe TERO to ensure that the Project includes opportunities for, including but not limited to, the hiring and training of Tribal members and the utilization of Tribal businesses. Permittees shall report on their efforts to coordinate with TERO and the results of the coordination including, but not limited to, Tribal members hired and use of Tribal businesses within 30 days after construction of the Project has been completed.

6.9 Cost Recovery

Minnesota Power shall bear the burden of proof in any future regulatory proceeding related to the recovery of any costs above \$1,210,000,000. Nothing prevents the Applicant from seeking recovery of additional amounts through the Transmission Cost Recovery Rider.

6.10 MISO Variance Analysis

Applicants shall inform the Commission of the initiation of Midcontinent Independent System Operator (MISO) Variance Analysis under Attachment FF within 5 business days of the initiation. Applicants shall file any and all copies of information submitted to the MISO Variance Analysis process. Disclosures shall be consistent with Applicants' MISO Tariff.

6.11 Landowner Engagement

The Co-Location Maximization Route is approved as proposed by Applicants, as modified herein. The approved Co-Location Maximization Route includes an anticipated centerline that incorporates certain shifting of existing transmission lines to accommodate structures that have

been erected near existing transmission lines as detailed in Section III of Applicants' January 10, 2025 filing or result in the boxing in of properties of less than 40 acres with transmission lines on three sides. Permittees shall continue to work with landowners in advance of the plan and profile filing to explore possible mitigations or property purchases that would eliminate the need for shifting the existing transmission lines. As part of the plan and profile filing, Permittees shall file a report that includes a description of their resolutions, proposed actions, and final design for review by EERA. After all transactions for these particular parcels are completed and at all cost recovery proceedings for this line in front of the Commission, Permittees must update this report. Permittees shall provide copies of these reports to the landowners included in the reports along with a description of how to make comments to the Commission on the substance of the report.

6.12 Revised Project Cost

Within 60 days of the date of this order, Applicants must file revised Project cost estimates in 2022 dollars reflecting the Commission's decision herein.

7 DELAY IN CONSTRUCTION

If the Permittee has not commenced construction or improvement of the route within four years after the date of issuance of this route permit the Permittee shall file a Failure to Construct Report and the Commission shall consider suspension of this route permit in accordance with Minn. R. 7850.4700.

8 COMPLAINT PROCEDURES

At least 14 days prior to the pre-construction meeting, the Permittee shall file with the Commission the complaint procedures that will be used to receive and respond to complaints. The complaint procedures shall be in accordance with the requirements of Minn. R. 7829.1500 or Minn. R. 7829.1700, and as set forth in the complaint procedures attached to this route permit.

Upon request, the Permittee shall assist Department of Commerce staff or Commission staff with the disposition of unresolved or longstanding complaints. This assistance shall include, but is not limited to, the submittal of complaint correspondence and complaint resolution efforts.

9 COMPLIANCE REQUIREMENTS

Failure to timely and properly make compliance filings required by this route permit is a failure to comply with the conditions of this route permit. Compliance filings must be electronically filed with the Commission.

9.1 Pre-Construction Meeting

Prior to the start of construction, the Permittee shall participate in a pre-construction meeting with Department of Commerce and Commission staff to review pre-construction filing requirements, scheduling, and to coordinate monitoring of construction and site restoration activities. Because the Project may be constructed in segments, multiple pre-construction meetings and submissions under Section 9.2 are allowed. Within 14 days following the pre-construction meeting, the Permittee shall file with the Commission a summary of the topics reviewed and discussed and a list of attendees. The Permittee shall indicate in the filing the anticipated construction start date.

9.2 Plan and Profile

At least 14 days prior to the pre-construction meeting, the Permittee shall file with the Commission, and provide the Department of Commerce, and the counties where the Transmission Facility, or portion of the Transmission Facility, will be constructed-with a plan and profile of the right-of-way and the specifications and drawings for right-of-way preparation, construction, structure specifications and locations, cleanup, and restoration for the Transmission Facility. The documentation shall include maps depicting the plan and profile including the right-of-way, alignment, and structures in relation to the route and alignment approved per this route permit.

The Permittee may not commence construction until the earlier of (i) 30 days after the preconstruction meeting or (ii) or until the Commission staff has notified the Permittee in writing that it has completed its review of the documents and determined that the planned construction is consistent with this route permit.

If the Commission notifies the Permittee in writing within 30 days after the pre-construction meeting that it has completed its review of the documents and planned construction, and finds that the planned construction is not consistent with this route permit, the Permittee may submit additional and/or revised documentation and may not commence construction until the Commission has notified the Permittee in writing that it has determined that the planned construction is consistent with this route permit.

If the Permittee intends to make any significant changes in its plan and profile or the specifications and drawings after submission to the Commission, the Permittee shall notify the Commission, the Department of Commerce, and county staff at least five days before implementing the changes. No changes shall be made that would be in violation of any of the terms of this route permit.

9.3 Status Reports

The Permittee shall file with the Commission monthly Construction Status Reports beginning with the pre-construction meeting and until completion of restoration. Construction Status Reports shall describe construction activities and progress, activities undertaken in compliance with this route permit, and shall include text and photographs.

If the Permittee does not commence construction of the Transmission Facility within six months of this route permit issuance, the Permittee shall file with the Commission Pre-Construction Status Reports on the anticipated timing of construction every six months beginning with the issuance of this route permit until the pre-construction meeting.

9.4 In-Service Date

At least three days before the Transmission Facility is to be placed into service, the Permittee shall notify the Commission of the date on which the Transmission Facility will be placed into service and the date on which construction was completed.

9.5 As-Builts

Within 90 days after completion of construction, the Permittee shall submit to the Commission copies of all final as-built plans and specifications developed during the Transmission Facility construction.

9.6 GPS Data

Within 90 days after completion of construction, the Permittee shall submit to the Commission, in the format requested by the Commission, geo-spatial information (e.g., ArcGIS compatible map files, GPS coordinates, associated database of characteristics) for all structures associated with the Transmission Facility and each substation connected.

9.7 Right of Entry

The Permittee shall allow Commission designated representatives to perform the following,

upon reasonable notice, upon presentation of credentials and at all times in compliance with the Permittee's site safety standards:

- (a) To enter upon the facilities easement of the property for the purpose of obtaining information, examining records, and conducting surveys or investigations.
- (b) To bring such equipment upon the facilities easement of the property as is necessary to conduct such surveys and investigations.
- (c) To sample and monitor upon the facilities easement of the property. To examine and copy any documents pertaining to compliance with the conditions of this route permit.

10 ROUTE PERMIT AMENDMENT

This route permit may be amended at any time by the Commission. Any person may request an amendment of the conditions of this route permit by submitting a request to the Commission in writing describing the amendment sought and the reasons for the amendment. The Commission will mail notice of receipt of the request to the Permittee. The Commission may amend the conditions after affording the Permittee and interested persons such process as is required under Minn. R. 7850.4900.

11 TRANSFER OF ROUTE PERMIT

The Permittee may request at any time that the Commission transfer this route permit to another person or entity (transferee). In its request, the Permittee must provide the Commission with:

- (a) the name and description of the transferee;
- (b) the reasons for the transfer;
- (c) a description of the facilities affected; and
- (d) the proposed effective date of the transfer.

The transferee must provide the Commission with a certification that it has read, understands and is able to comply with the plans and procedures filed for the Transmission Facility and all conditions of this route permit. The Commission may authorize transfer of the route permit after affording the Permittee, the transferee, and interested persons such process as is required under Minn. R. 7850.5000.

12 REVOCATION OR SUSPENSION OF ROUTE PERMIT

The Commission may initiate action to revoke or suspend this route permit at any time. The Commission shall act in accordance with the requirements of Minn. R. 7850.5100, to revoke or suspend this route permit.

ATTACHMENT 1

Complaint Handling Procedures for Permitted Energy Facilities

MINNESOTA PUBLIC UTILITIES COMMISSION COMPLAINT HANDLING PROCEDURES FOR PERMITTED ENERGY FACILITIES

A. Purpose

To establish a uniform and timely method of reporting and resolving complaints received by the permittee concerning permit conditions for site or route preparation, construction, cleanup, restoration, operation, and maintenance.

B. Scope

This document describes complaint reporting procedures and frequency.

C. Applicability

The procedures shall be used for all complaints received by the permittee and all complaints received by the Minnesota Public Utilities Commission (Commission) under Minn. R. 7829.1500 or Minn. R. 7829.1700 relevant to this permit.

D. Definitions

Complaint: A verbal or written statement presented to the permittee by a person expressing dissatisfaction or concern regarding site or route preparation, cleanup or restoration, or other permit conditions. Complaints do not include requests, inquiries, questions or general comments.

Substantial Complaint: A written complaint alleging a violation of a specific permit condition that, if substantiated, could result in permit modification or suspension pursuant to the applicable regulations.

Unresolved Complaint: A complaint which, despite the good faith efforts of the permittee and a person, remains unresolved or unsatisfactorily resolved to one or both of the parties.

Person: An individual, partnership, joint venture, private or public corporation, association, firm, public service company, cooperative, political subdivision, municipal corporation, government agency, public utility district, or any other entity, public or private; however organized.

E. Complaint Documentation and Processing

- 1. The permittee shall designate a representative responsible for filing complaints to the Commission's eDocket system. This person's name, phone number and email address shall accompany all complaint submittals. The name and contact information for the representative shall be kept current in eDockets.
- 2. A person presenting the complaint should, to the extent possible, include the following information in their communications:
 - a. name, address, phone number, and email address;
 - b. initial date of the complaint;
 - c. tract, parcel number, or address of the complaint;
 - d. a summary of the complaint; and
 - e. whether the complaint relates to a permit violation, a construction practice issue, or other type of complaint.
- 3. The permittee shall document all complaints by maintaining a record of all applicable information concerning the complaint, including the following:
 - a. docket number and project name;
 - b. name of complainant, address, phone number and email address;
 - c. precise description of property or parcel number;
 - d. name of permittee representative receiving complaint and date of receipt;
 - e. nature of complaint and the applicable permit condition(s);
 - f. summary of activities undertaken to resolve the complaint; and
 - g. a statement on the final disposition of the complaint.

F. Reporting Requirements

The permittee shall commence complaint reporting at the beginning of project construction and continue through the term of the permit, unless otherwise required below. The permittee shall report all complaints to the Commission according to the following schedule:

Immediate Reports: All substantial complaints shall be reported to the Commission the same day received, or on the following working day for complaints received after working hours. Such reports are to be directed to the Commission's Public Advisor at 1-800-657-3782 (voice messages are acceptable) or publicadvisor.puc@state.mn.us. For e-mail reporting, the email

subject line should read "PUC EFP Complaint" and include the appropriate project docket number.

Monthly Reports: During project construction, restoration, and operation, a summary of all complaints, including substantial complaints received or resolved during the preceding month, shall be filed by the 15th of each month to Will Seuffert, Executive Secretary, Public Utilities Commission, using the eDockets system. The eDockets system is located at: https://www.edockets.state.mn.us/EFiling/home.jsp. If no complaints were received during the preceding month, the permittee shall file a summary indicating that no complaints were received.

If a project has submitted twelve consecutive months of complaint reports with no complaints, monthly reports can terminate by a letter to eDockets notifying the Commission of such action. If a substantial complaint is received (by the company or the Commission) following termination of the monthly complaint report, as noted above, the monthly reporting should commence for a period of six months following the most recent complaint or upon resolution of all pending complaints.

If a permittee is found to be in violation of this section, the Commission may reinstate monthly complaint reporting for the remaining permit term or enact some other commensurate requirement via notification by the Executive Secretary or some other action as decided by the Commission.

G. Complaints Received by the Commission

Complaints received directly by the Commission from aggrieved persons regarding the permit or issues related to site or route preparation, construction, cleanup, restoration, or operation and maintenance will be promptly sent to the permittee.

The permittee shall notify the Commission when the issue has been resolved. The permittee will add the complaint to the monthly reports of all complaints. If the permittee is unable to find resolution, the Commission will use the process outlined in the Unresolved Complaints Section to process the issue.

H. Commission Process for Unresolved Complaints

Complaints raising substantial and unresolved permit issues will be investigated by the Commission. Staff will notify the permittee and appropriate people if it determines that the

complaint is a substantial complaint. With respect to such complaints, the permittee and complainant shall be required to submit a written summary of the complaint and its current position on the issues to the Commission. Staff will set a deadline for comments. As necessary, the complaint will be presented to the Commission for consideration.

I. Permittee Contacts for Complaints and Complaint Reporting

Complaints may be filed by mail or email to the permittee's designated complaint representative, or to the Commission's Public Advisor at 1-800-657-3782 or publicadvisor.puc@state.mn.us. The name and contact information for the permittee's designated complaint representative shall be kept current in the Commission's eDocket system.

ATTACHMENT 2

Compliance Filing Procedures for Permitted Energy Facilities

MINNESOTA PUBLIC UTILITIES COMMISSION COMPLIANCE FILING PROCEDURE FOR PERMITTED ENERGY FACILITIES

A. Purpose

To establish a uniform and timely method of submitting information required by Commission energy facility permits.

B. Scope and Applicability

This procedure encompasses all known compliance filings required by permit.

C. Definitions

Compliance Filing: A filing of information to the Commission, where the information is required by a Commission site or route permit.

D. Responsibilities

1. The permittee shall file all compliance filings with Will Seuffert, Executive Secretary, Public Utilities Commission, through the eDockets system. The eDockets system is located at: https://www.edockets.state.mn.us/EFiling/home.jsp

General instructions are provided on the eDockets website. Permittees must register on the website to file documents.

- 2. All filings must have a cover sheet that includes:
 - a. Date
 - b. Name of submitter/permittee
 - c. Type of permit (site or route)
 - d. Project location
 - e. Project docket number
 - f. Permit section under which the filing is made
 - g. Short description of the filing

3. Filings that are graphic intensive (e.g., maps, engineered drawings) must, in addition to being electronically filed, be submitted as paper copies and on CD. Paper copies and CDs should be sent to: 1) Will Seuffert, Executive Secretary, Minnesota Public Utilities Commission, 121 7th Place East, Suite 350, St. Paul, MN 55101-2147, and 2) Department of Commerce, Energy Environmental Review and Analysis, 85 7th Place East, Suite 500, St. Paul, MN 55101-2198.

The Commission may request a paper copy of any electronically filed document.

PERMIT COMPLIANCE FILINGS¹

PERMITTEE: Minnesota Power and Great River Energy PERMIT TYPE: High-Voltage Transmission Line Route

PROJECT LOCATION: Aitkin, Benton, Crow Wing, Itasca, Morrison, and Sherburne Counties

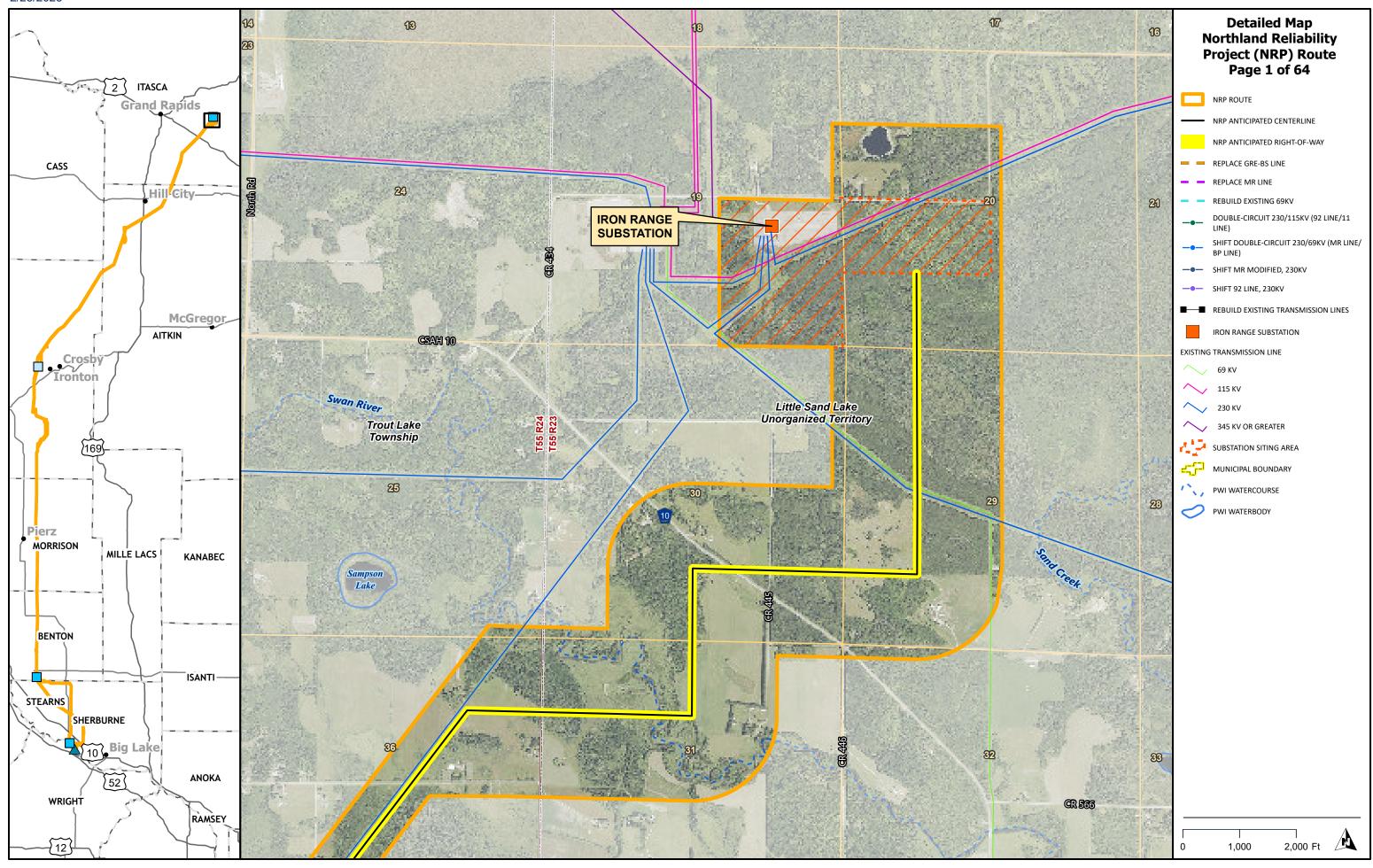
PUC DOCKET NUMBER: E015,ET2/TL-22-415

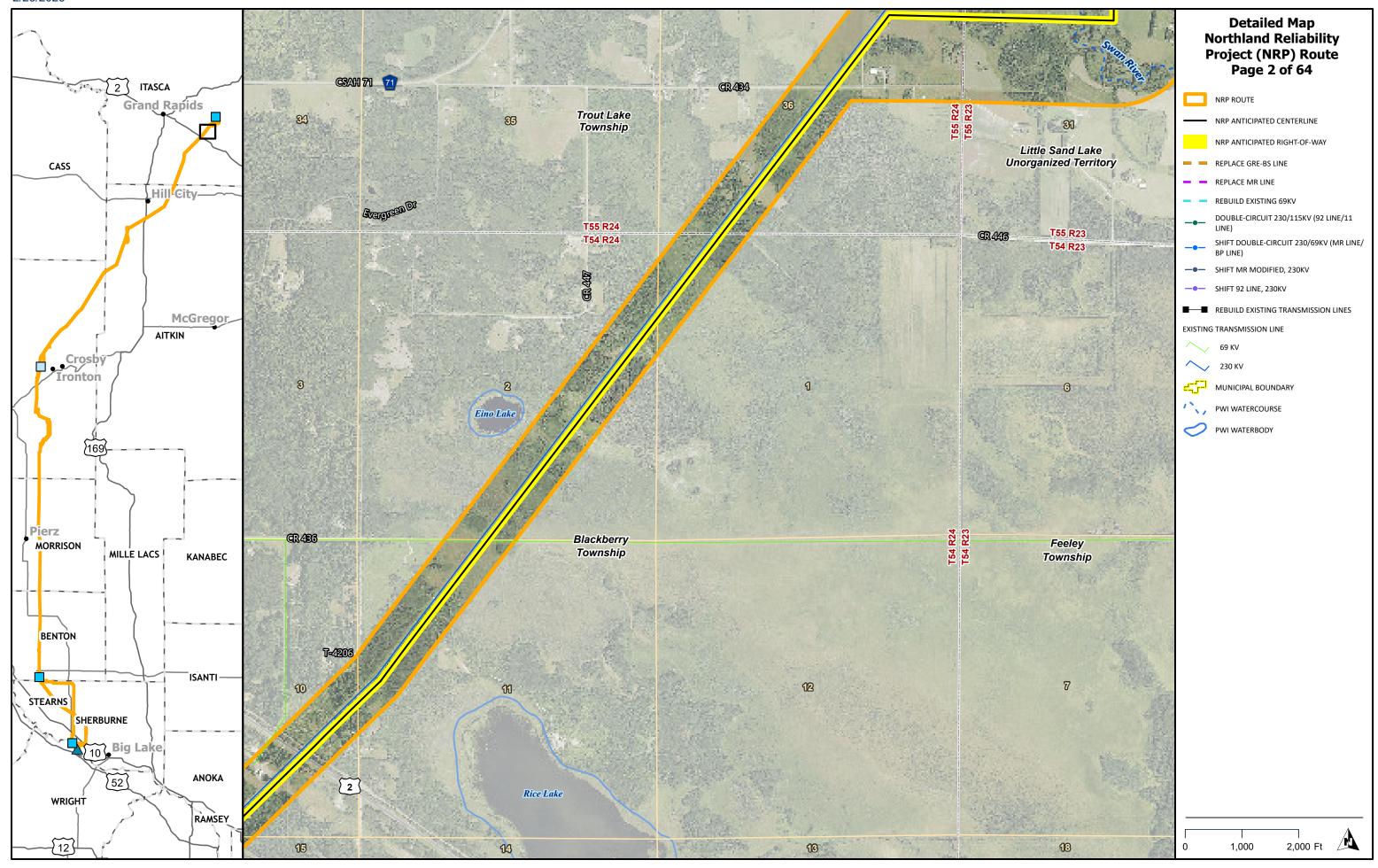
Filing Number	Permit Section	Description of Compliance Filing	Due Date

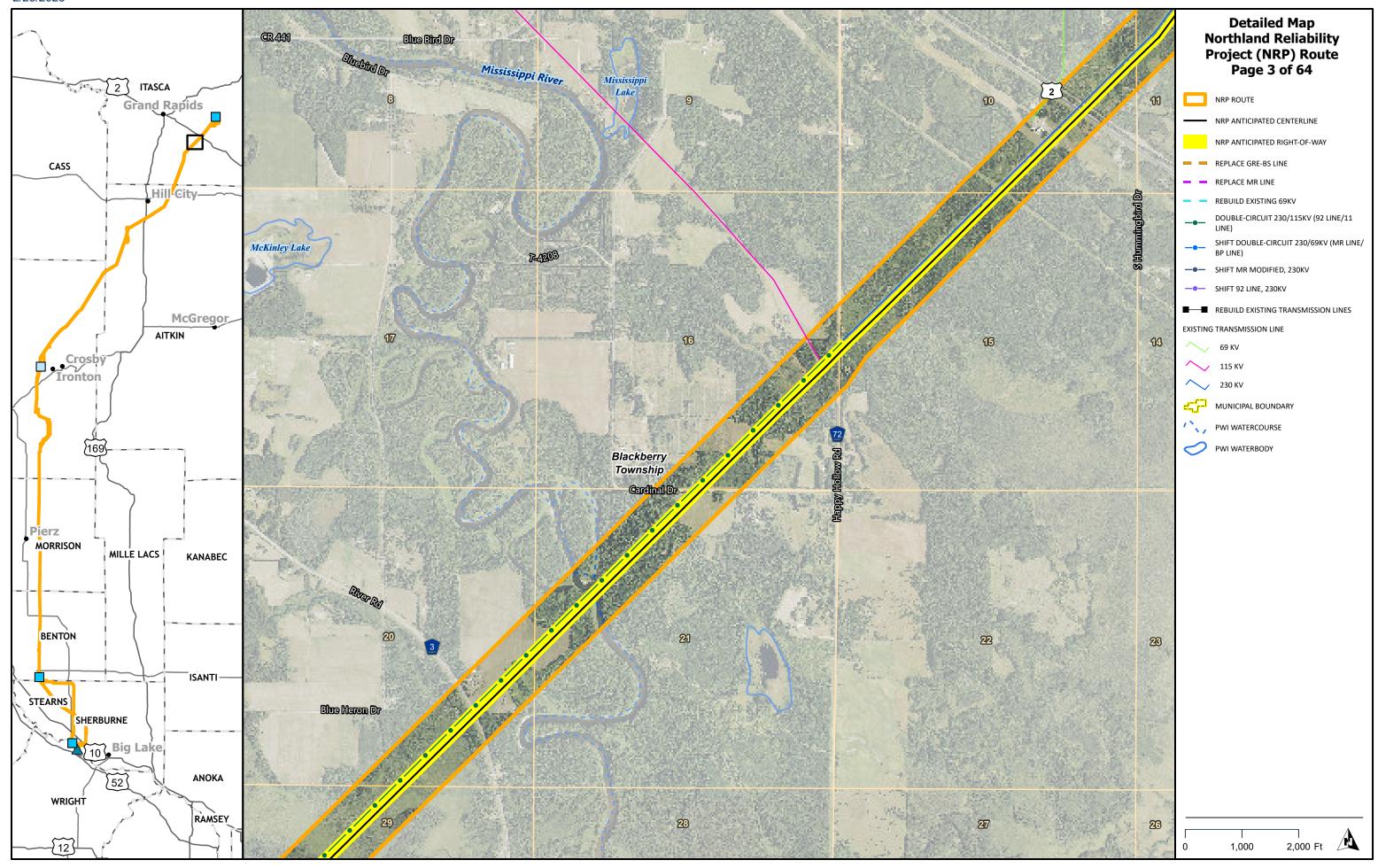
¹ This compilation of permit compliance filings is provided for the convenience of the permittee and the Commission. It is not a substitute for the permit; the language of the permit controls.

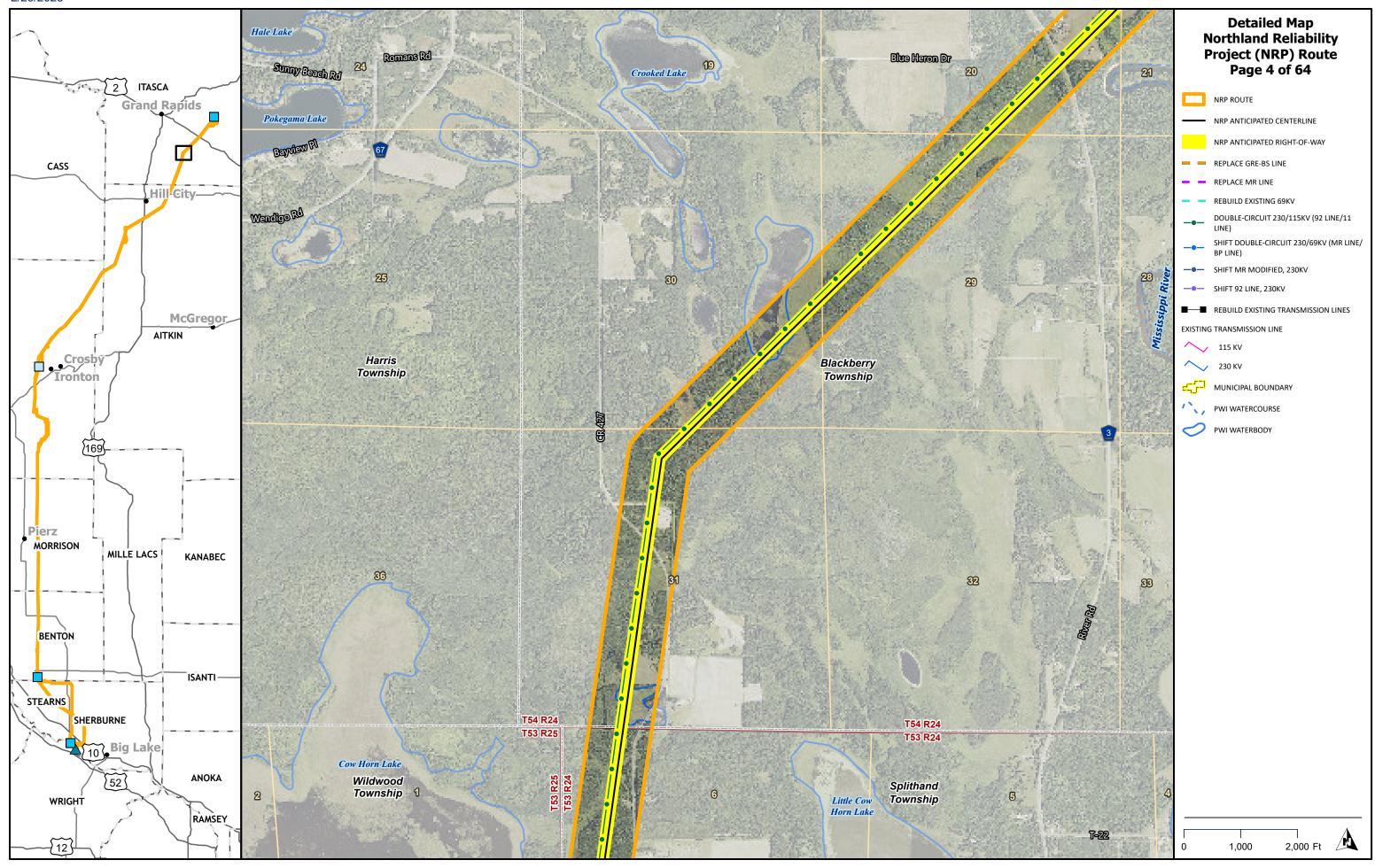
ATTACHMENT 3

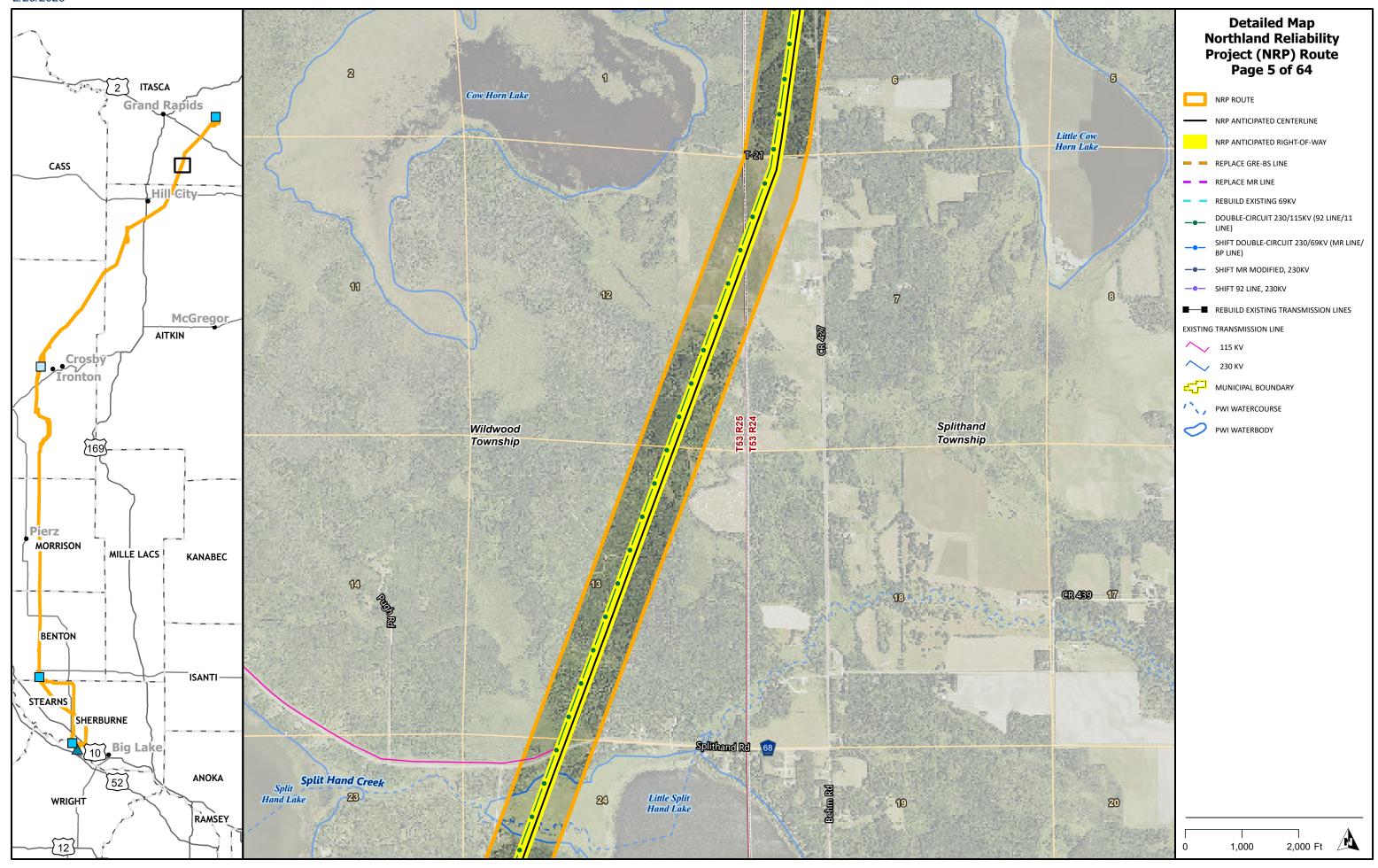
Route Permit Maps

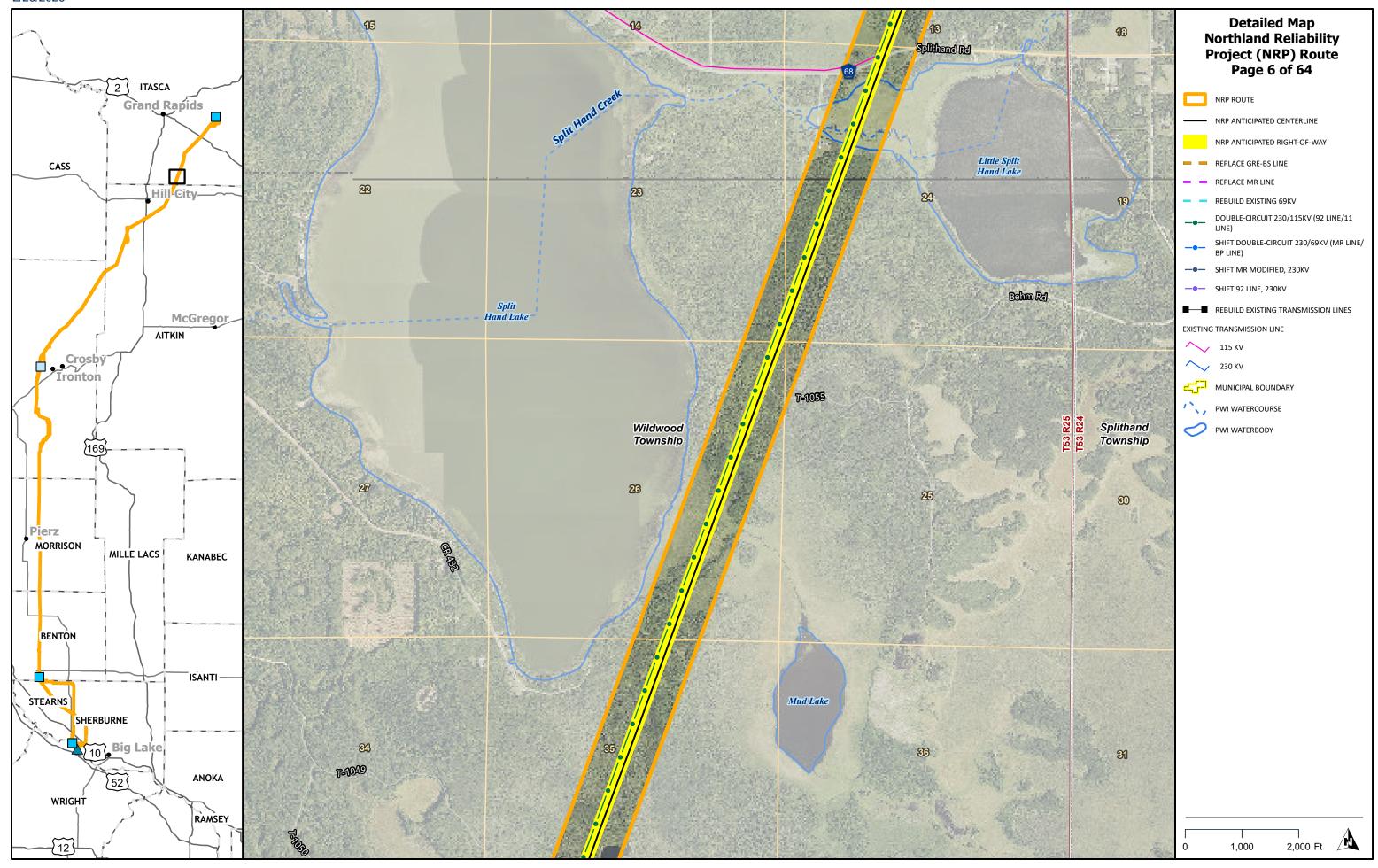


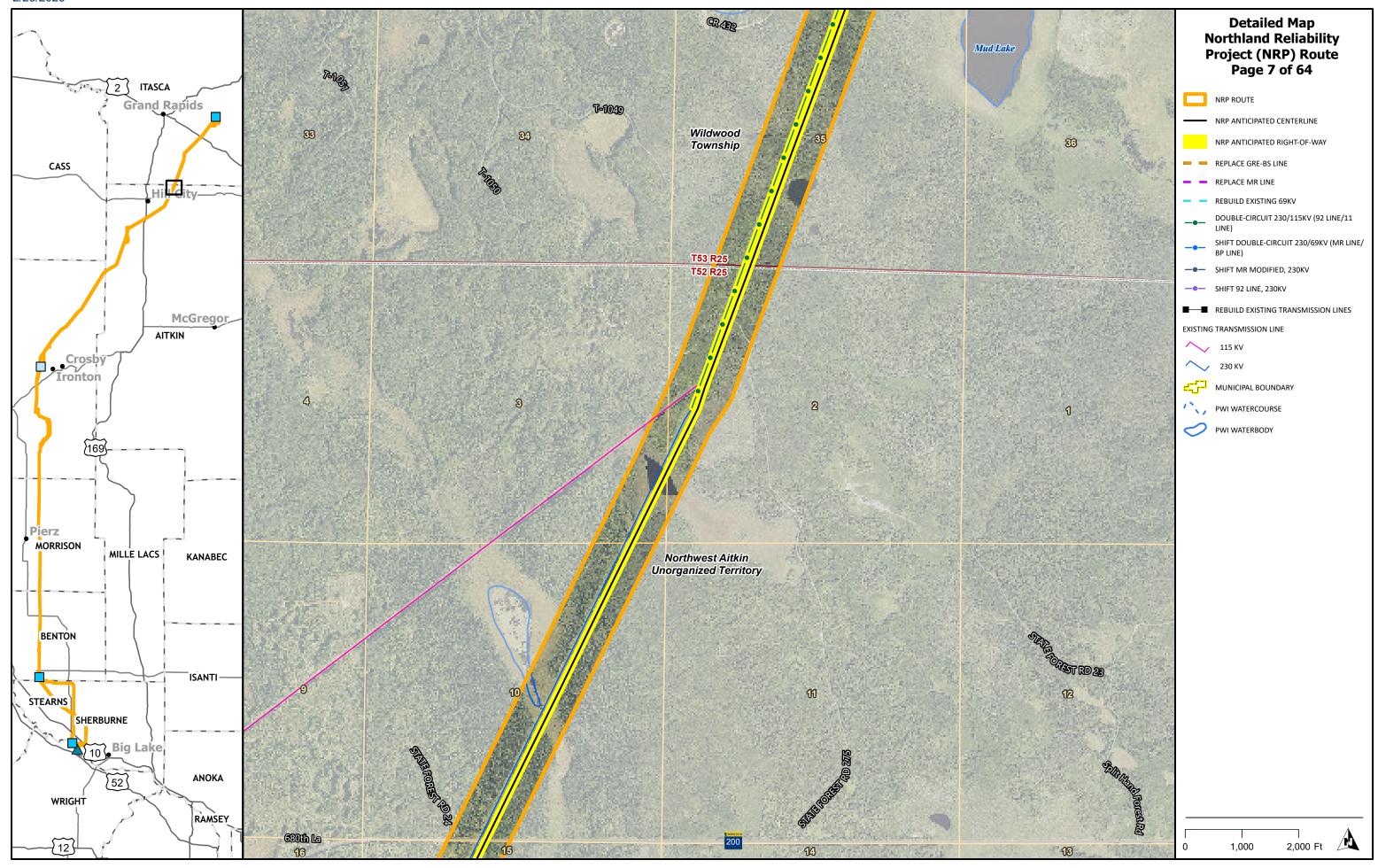


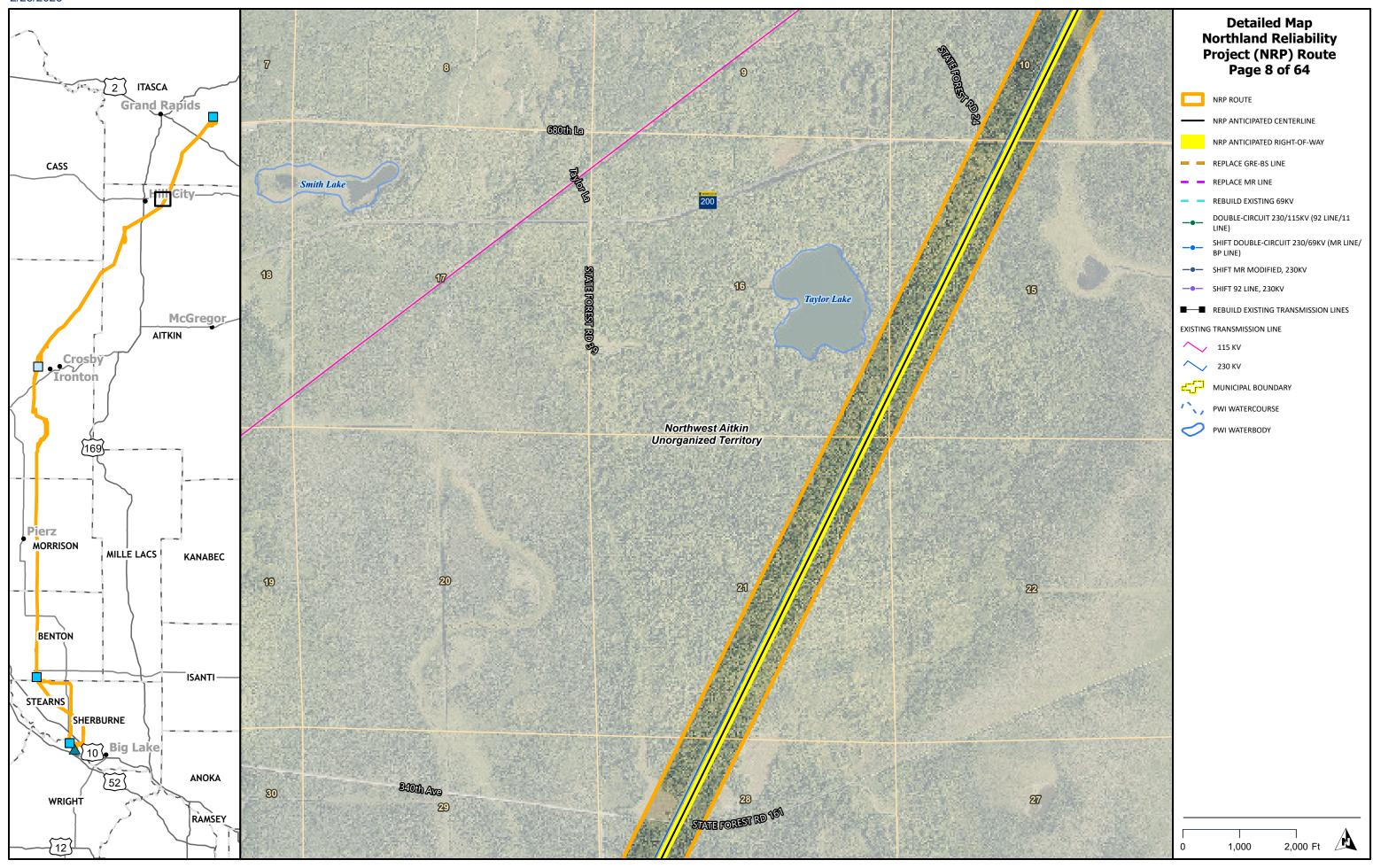


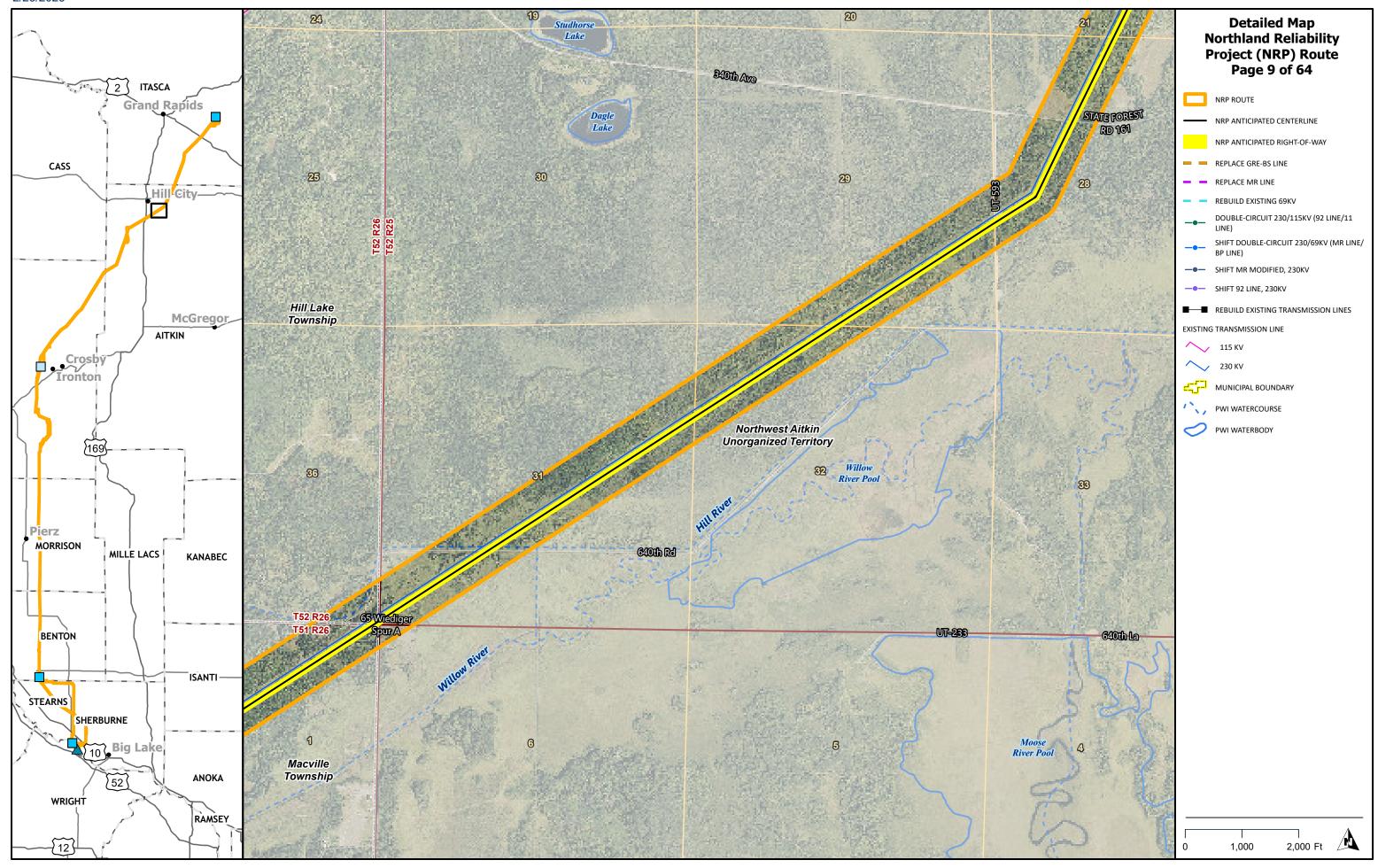


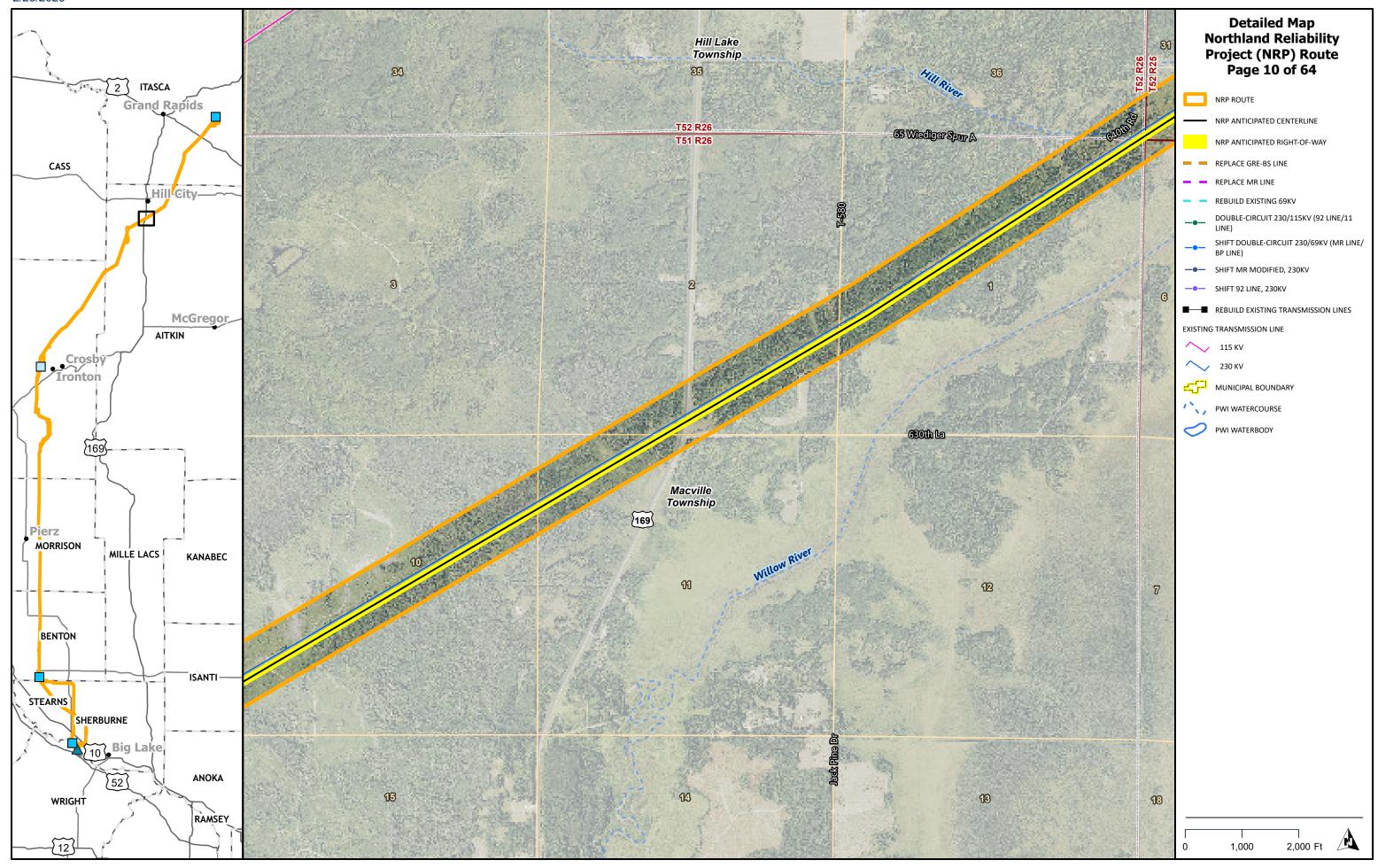


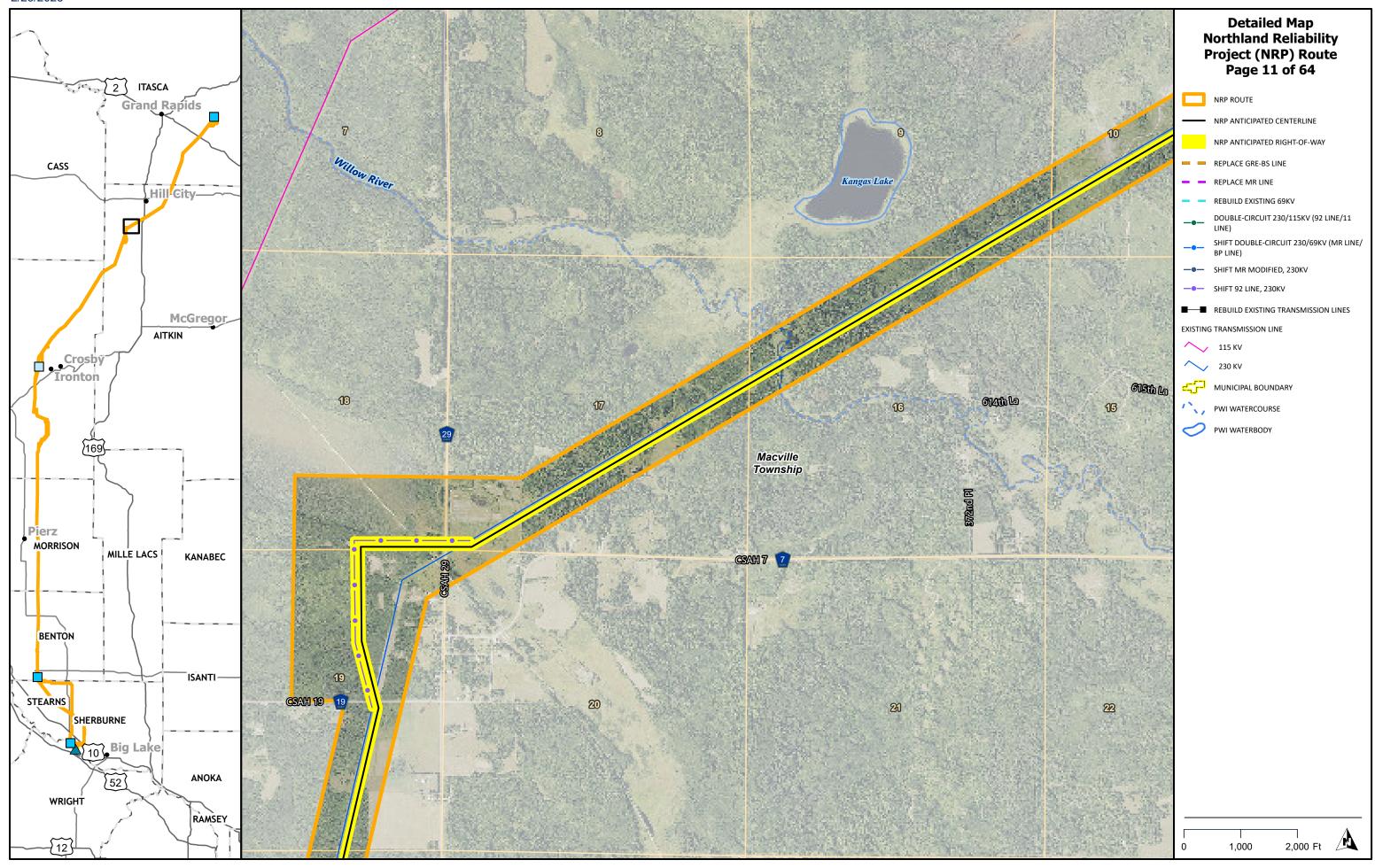


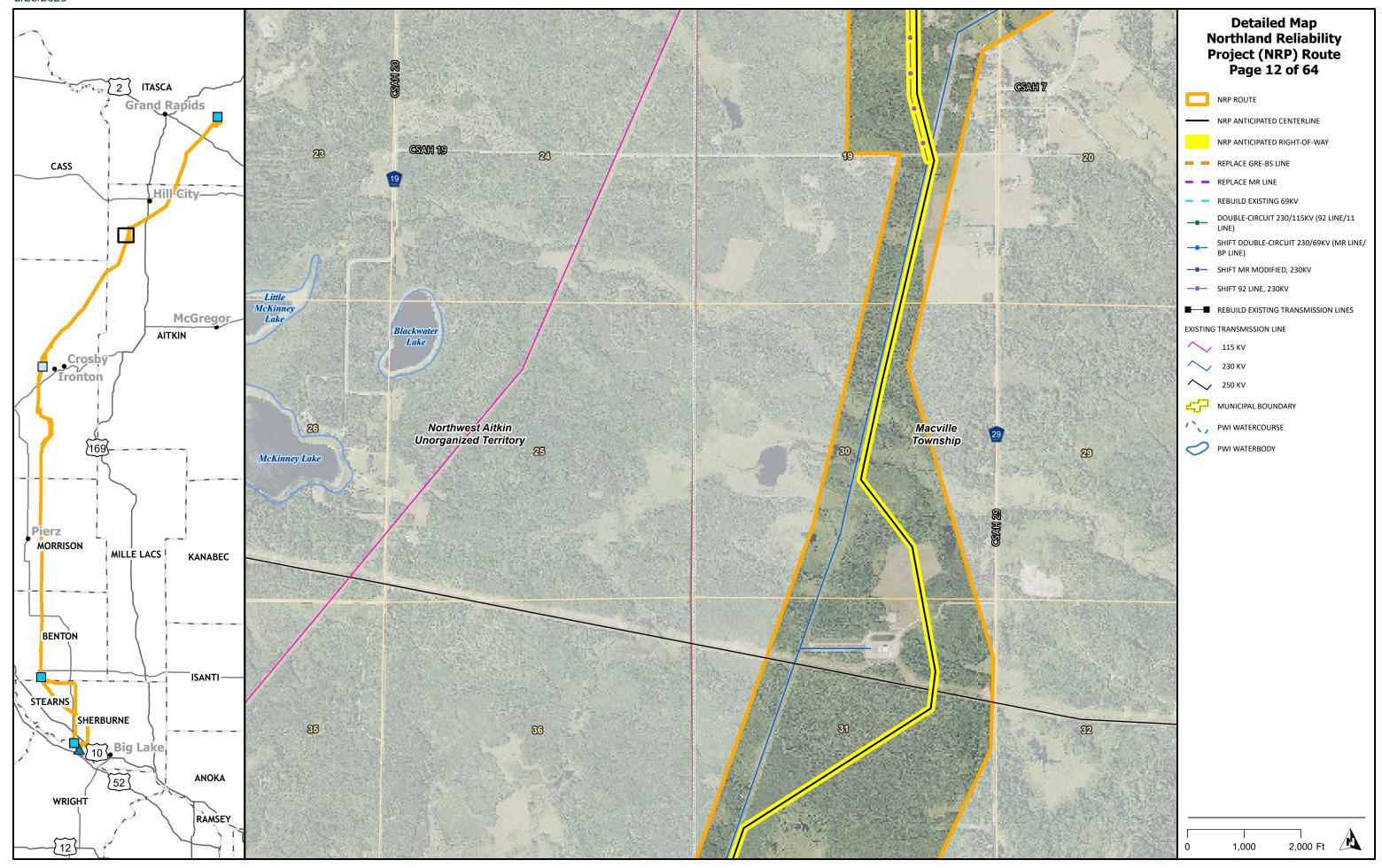






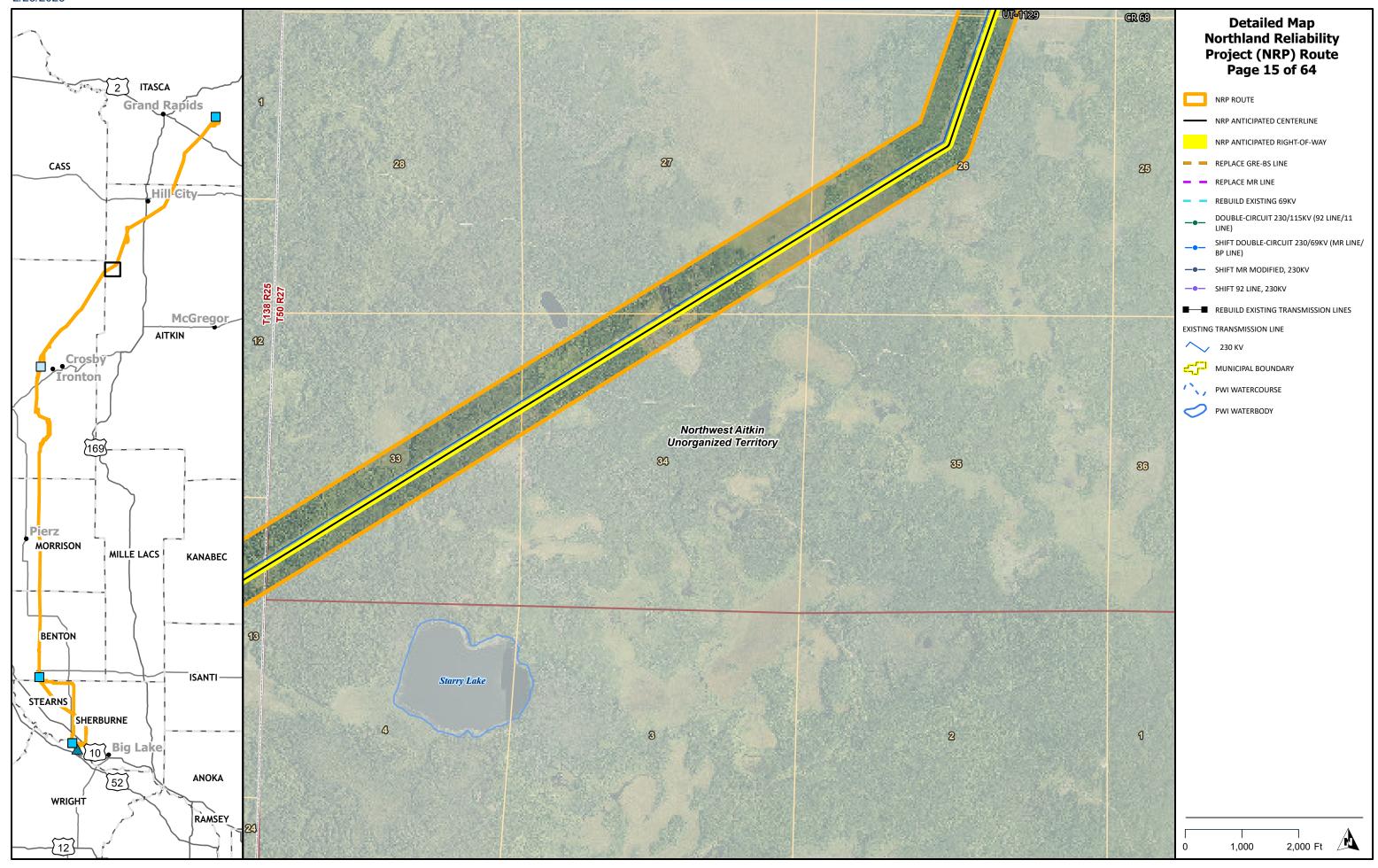


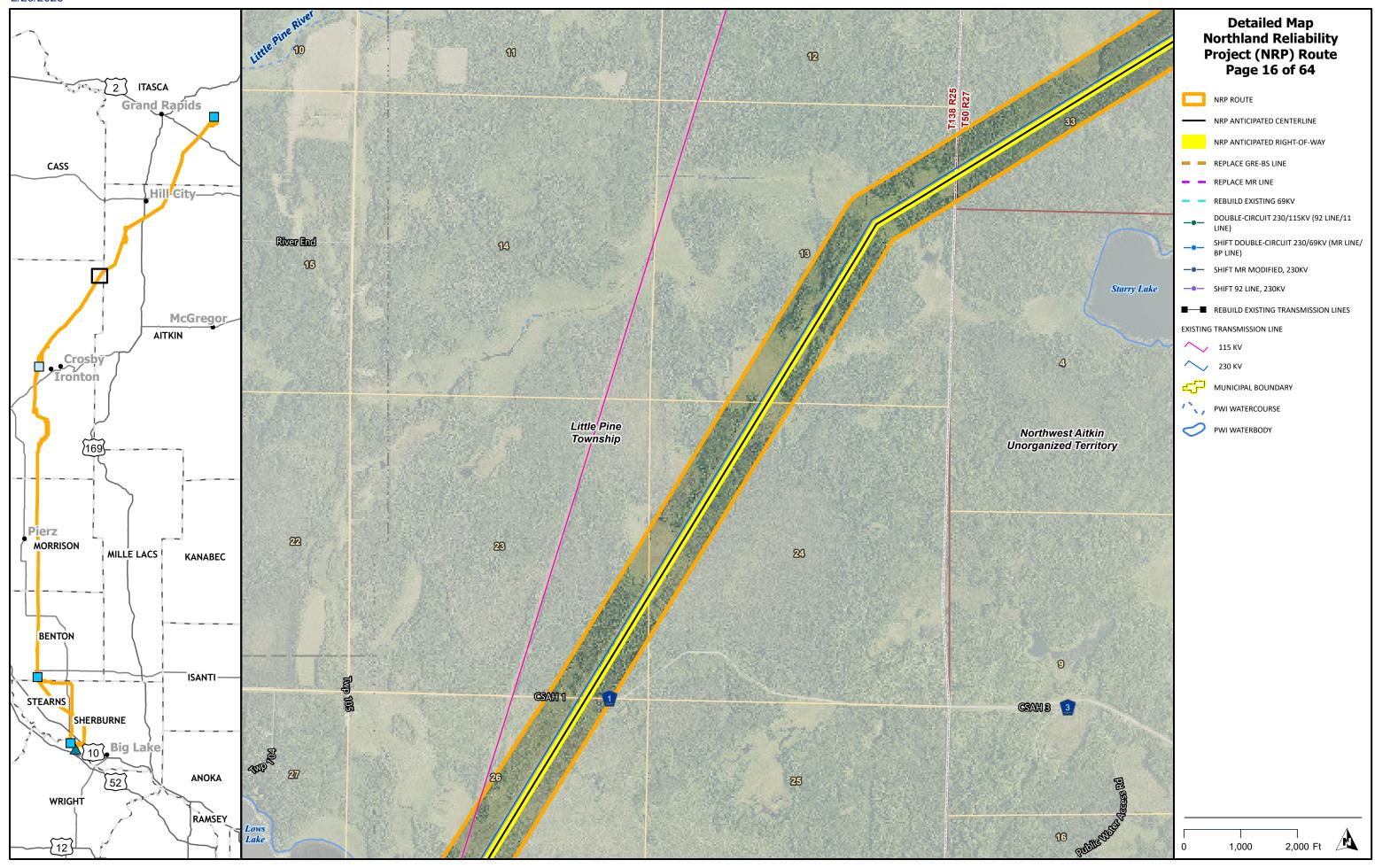




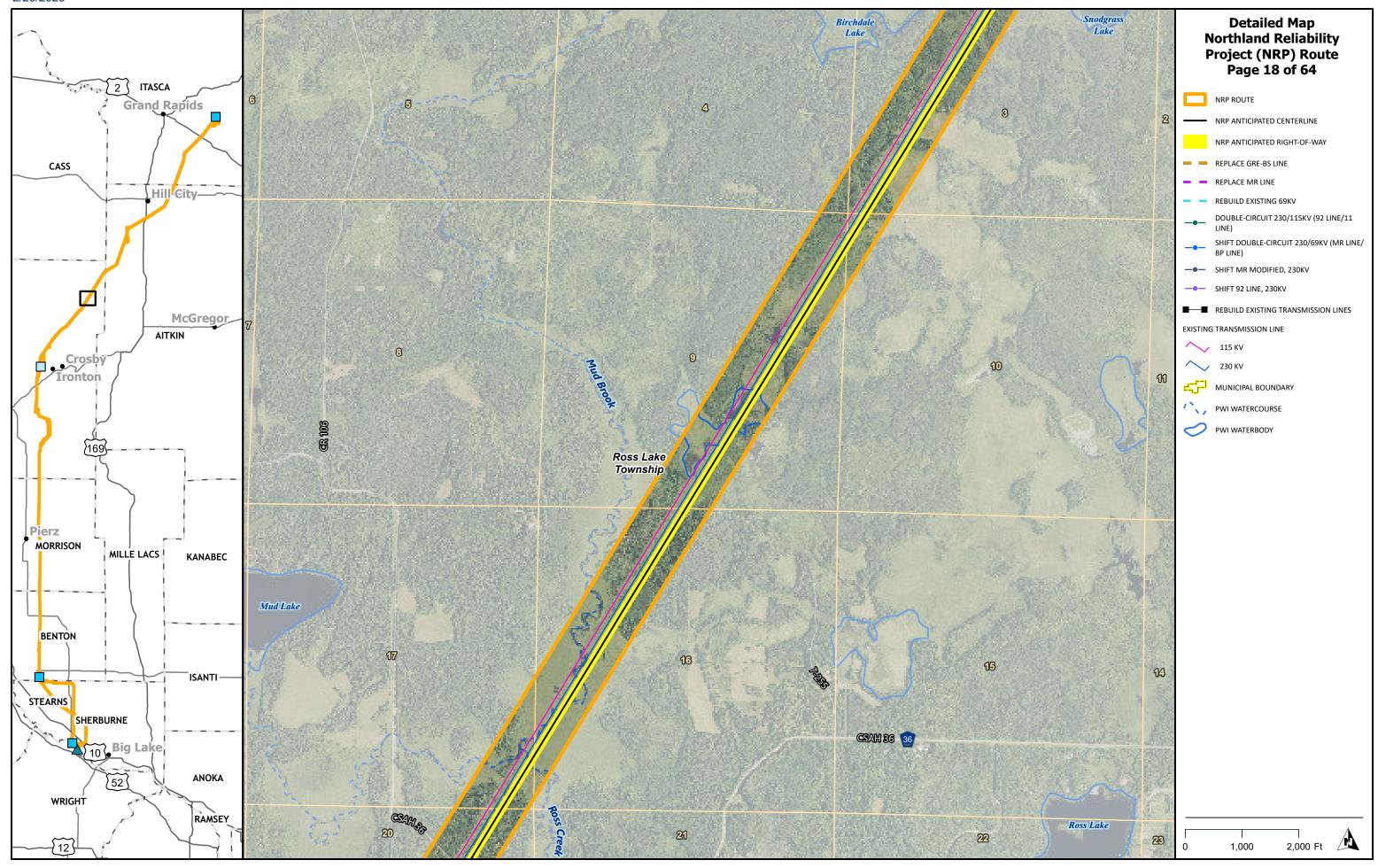


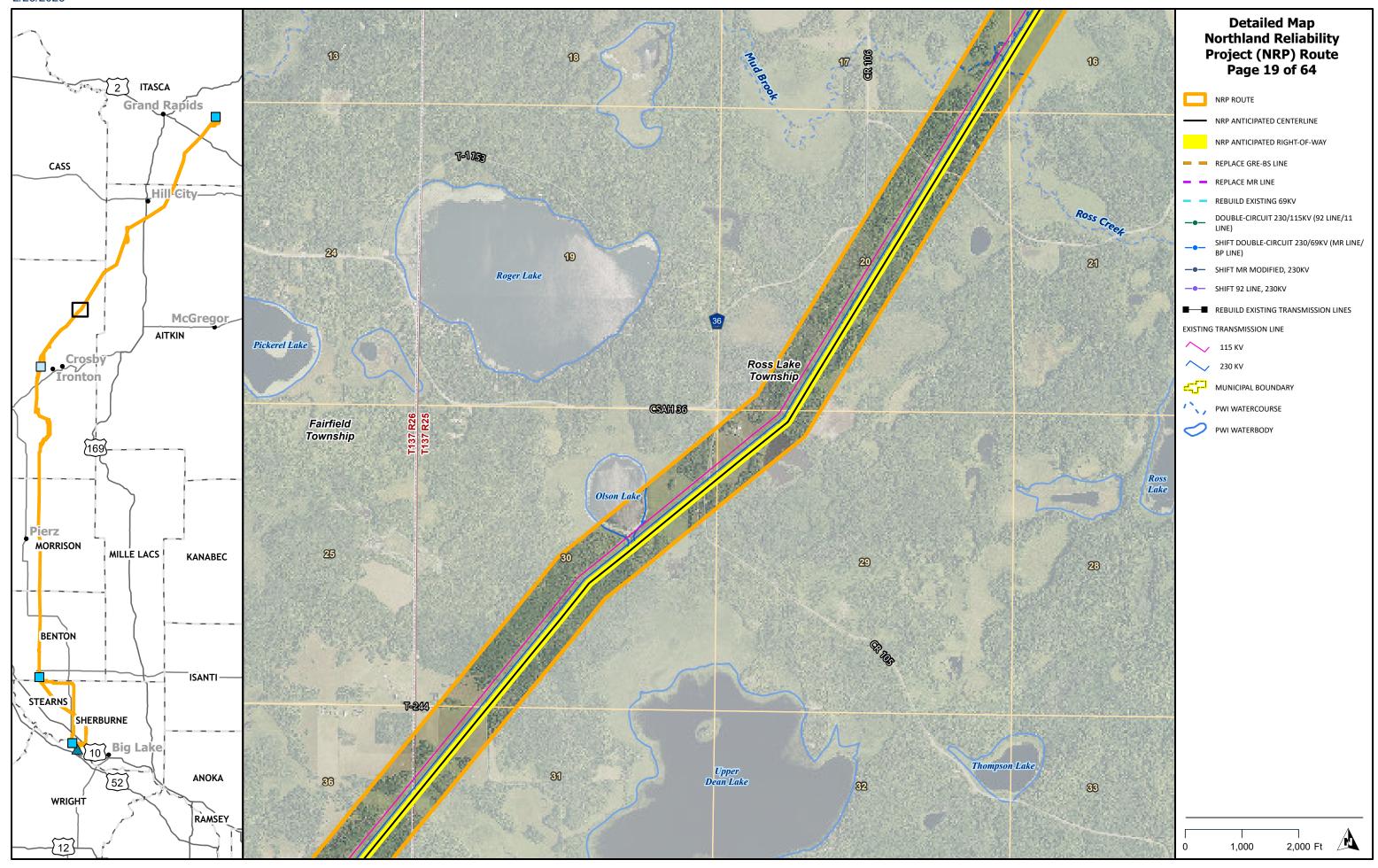


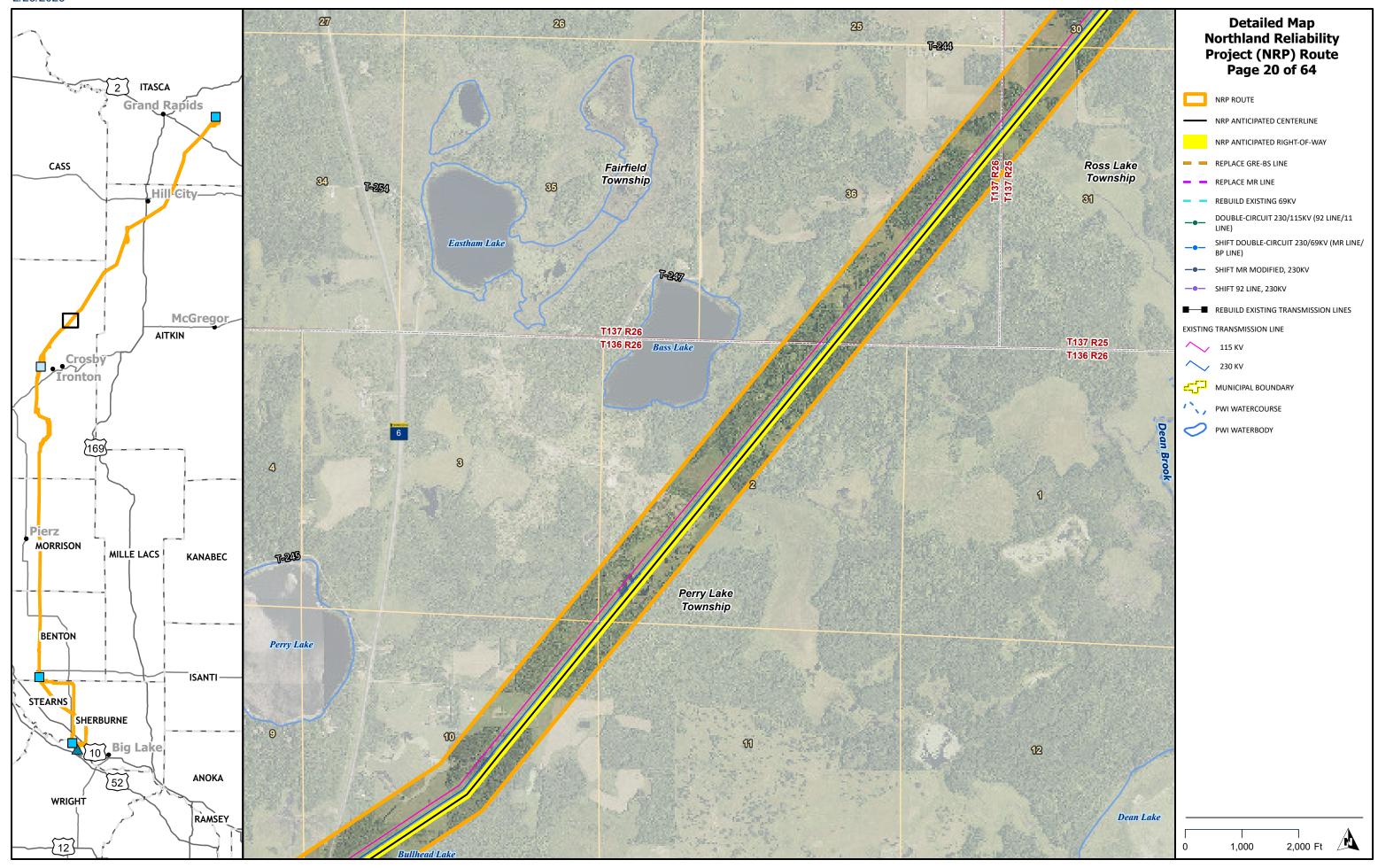


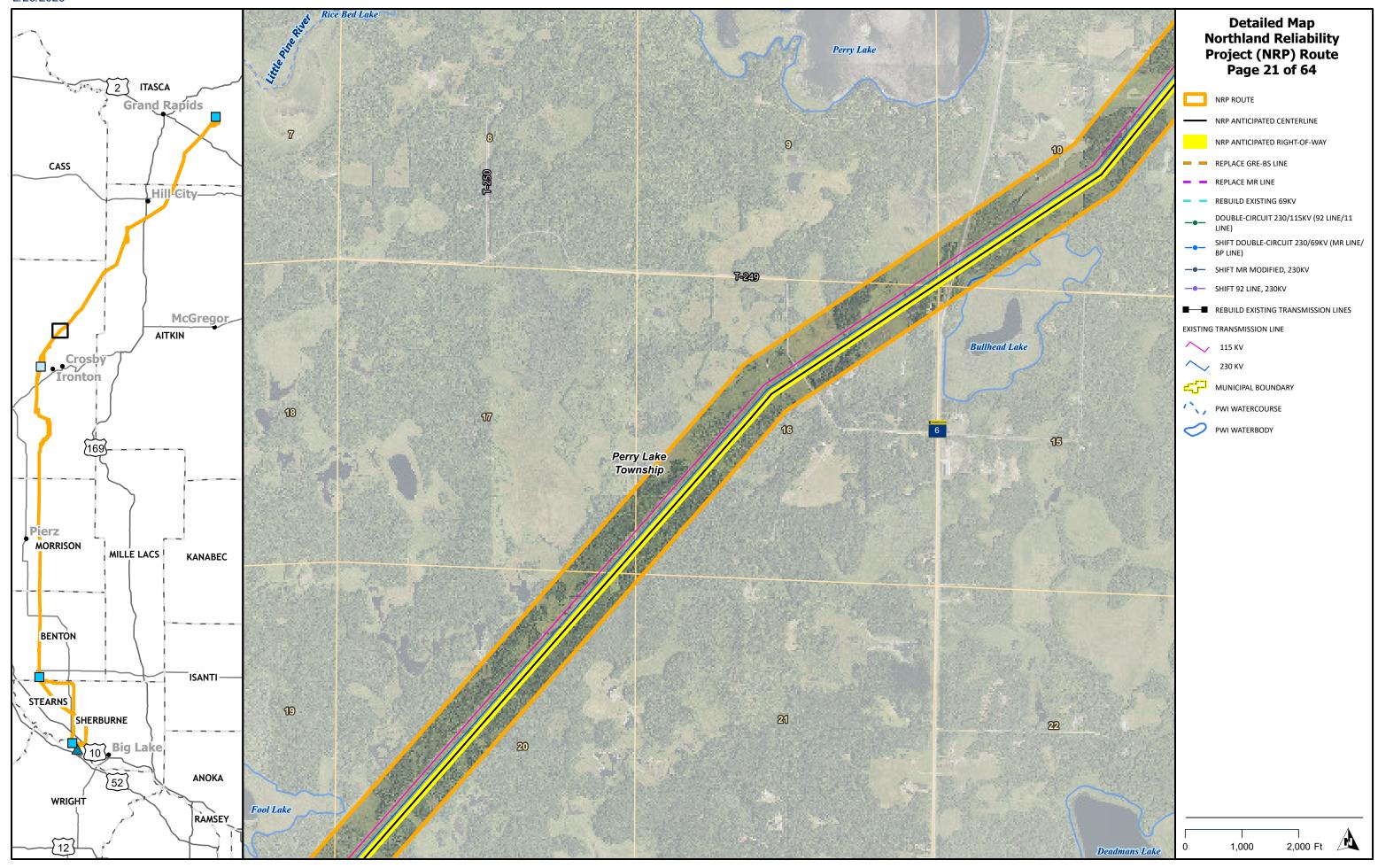


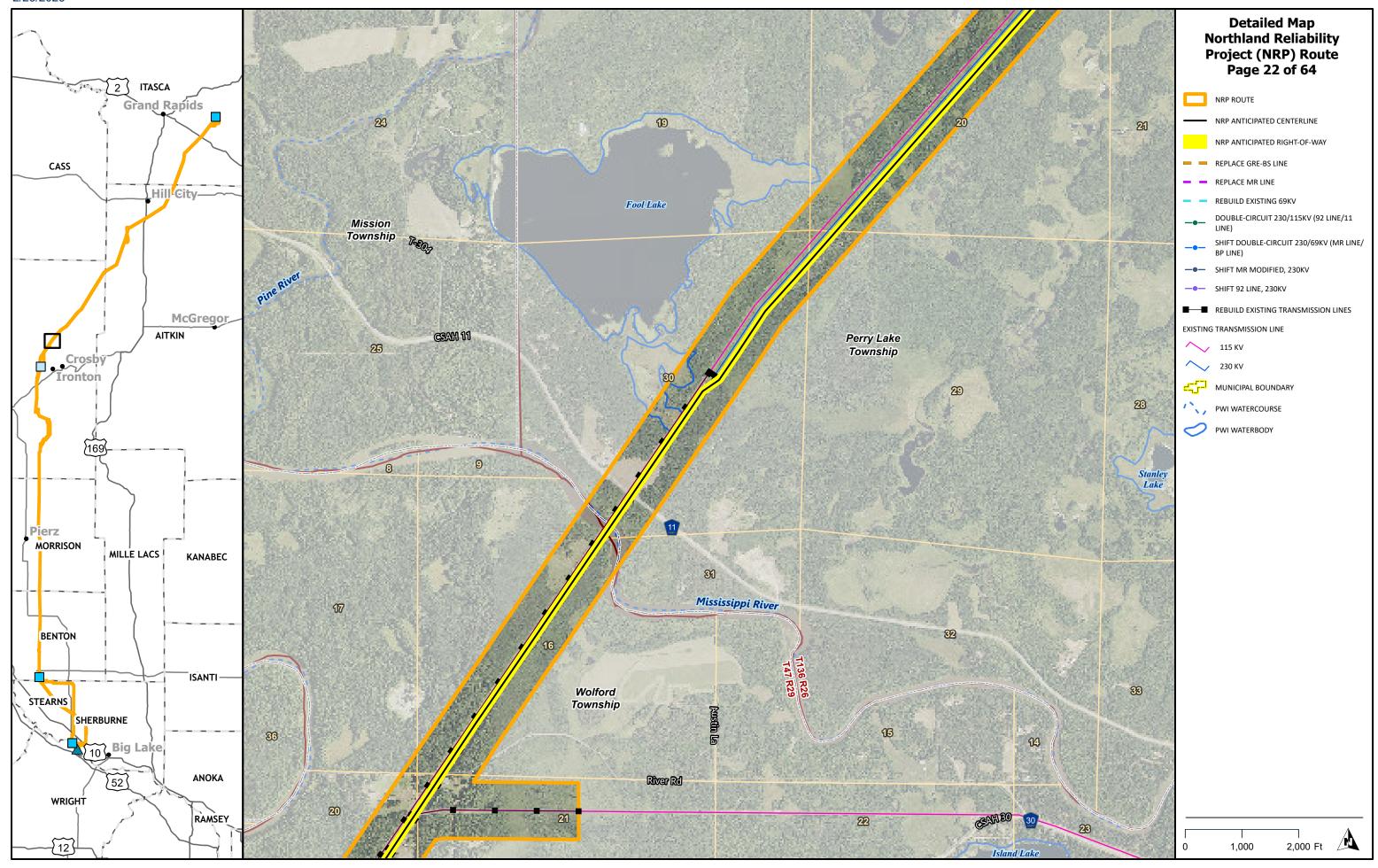


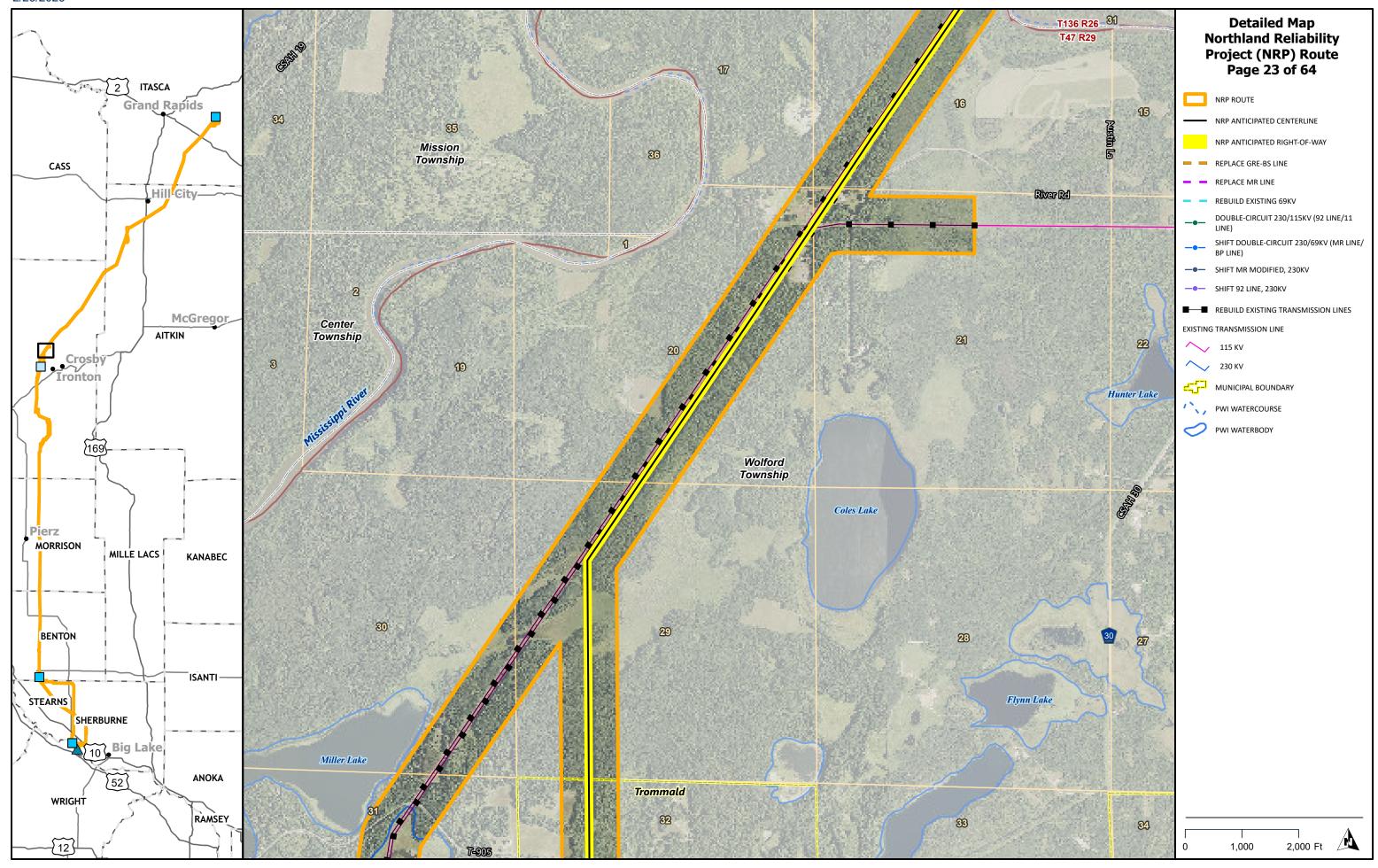


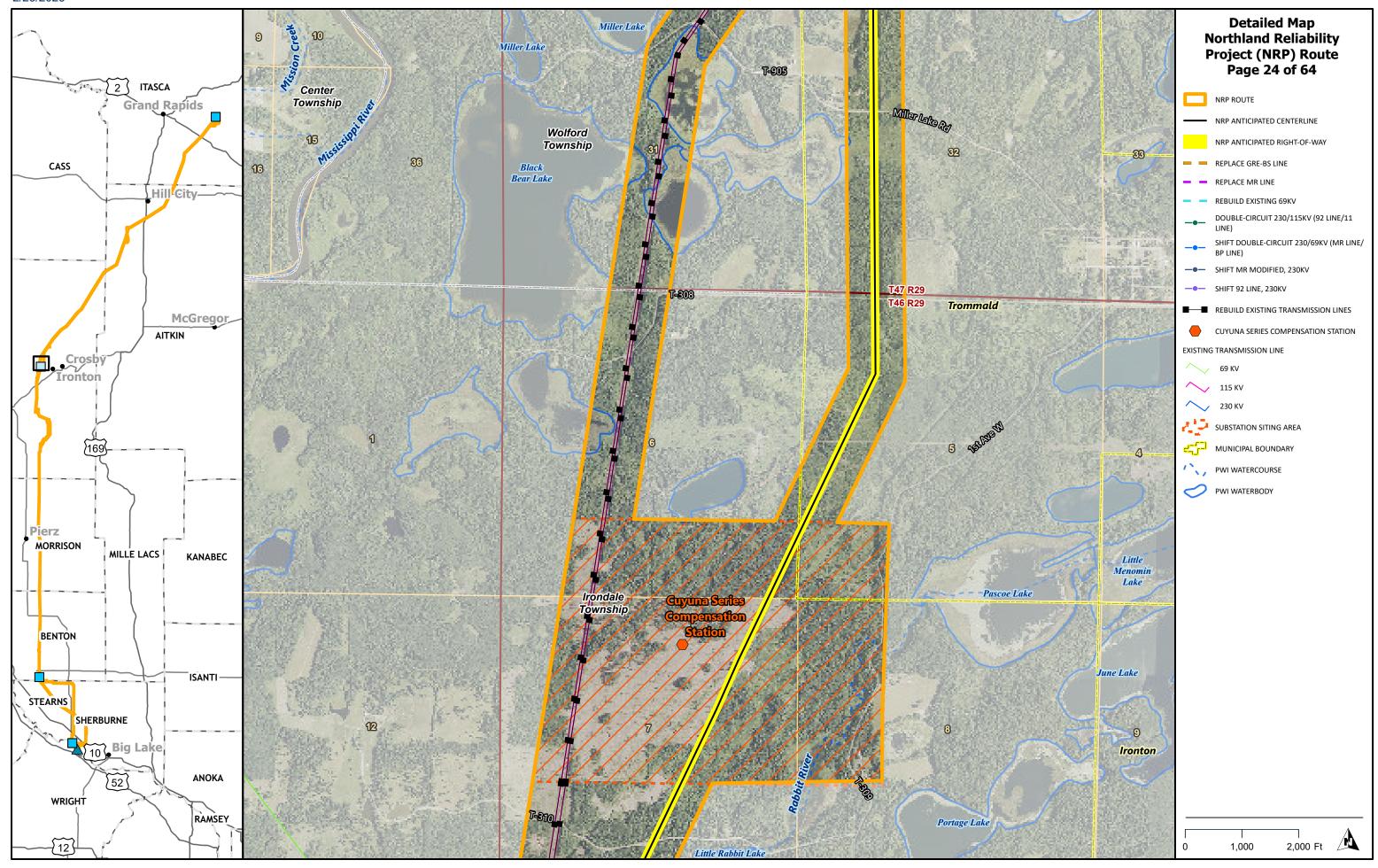


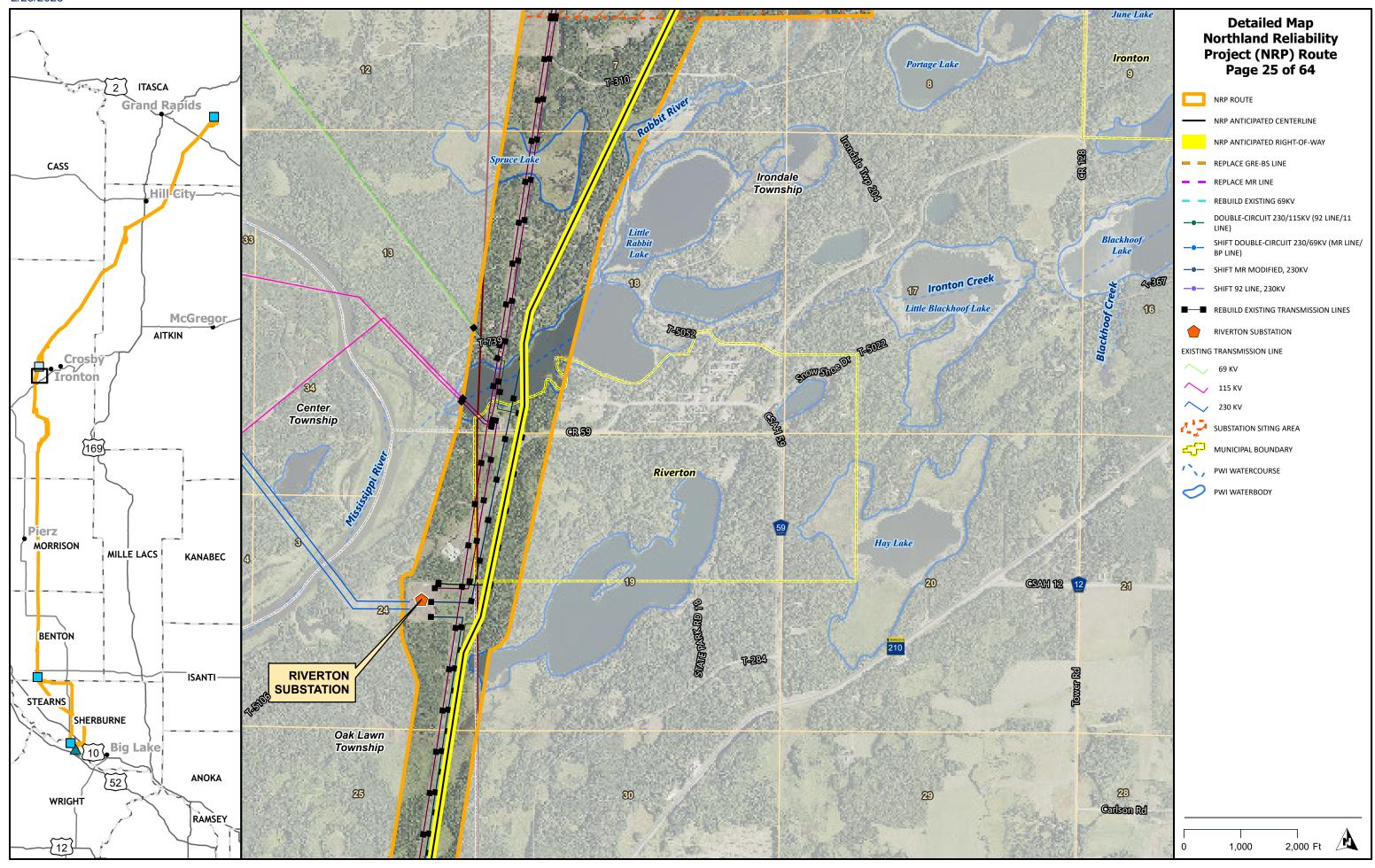


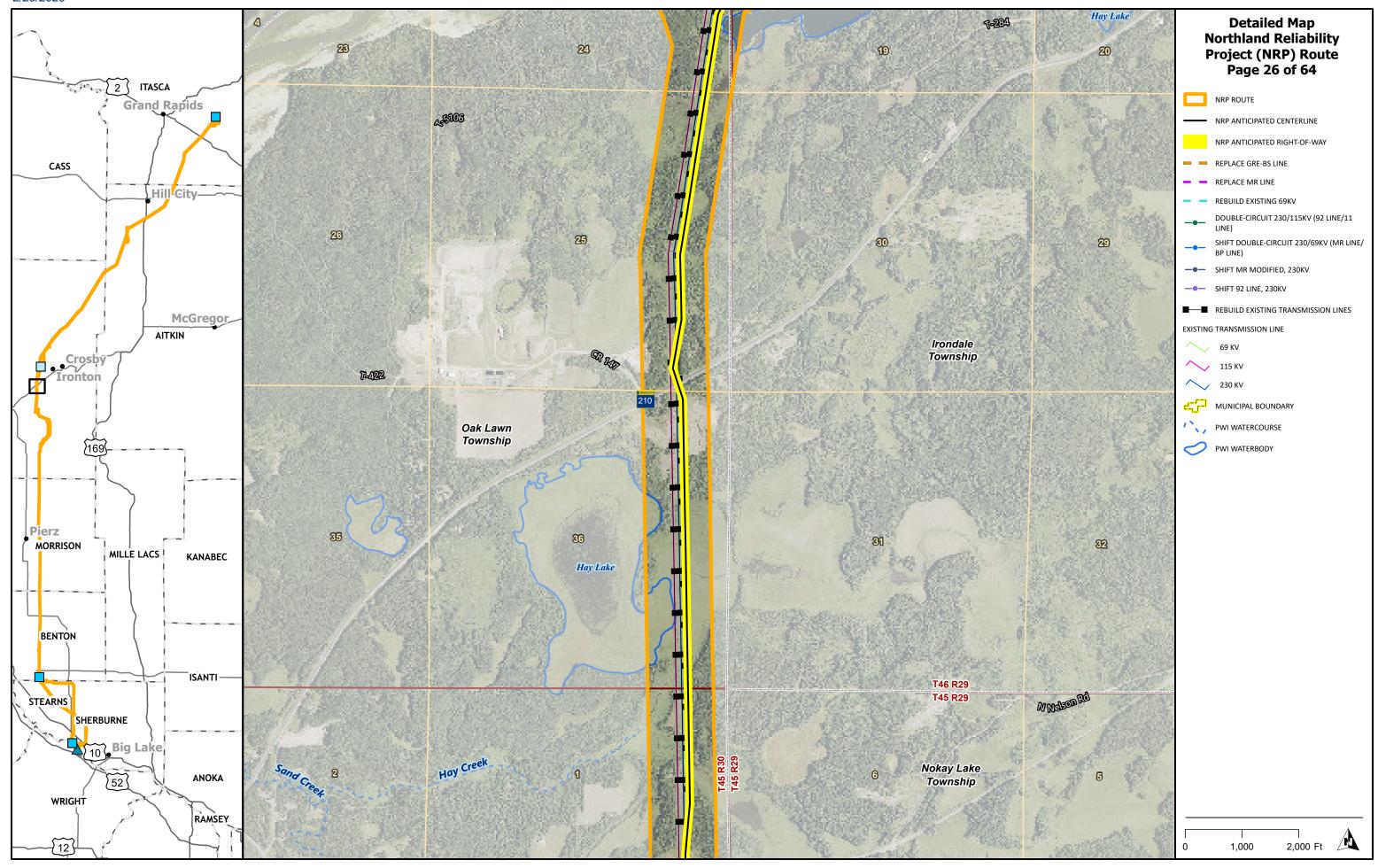


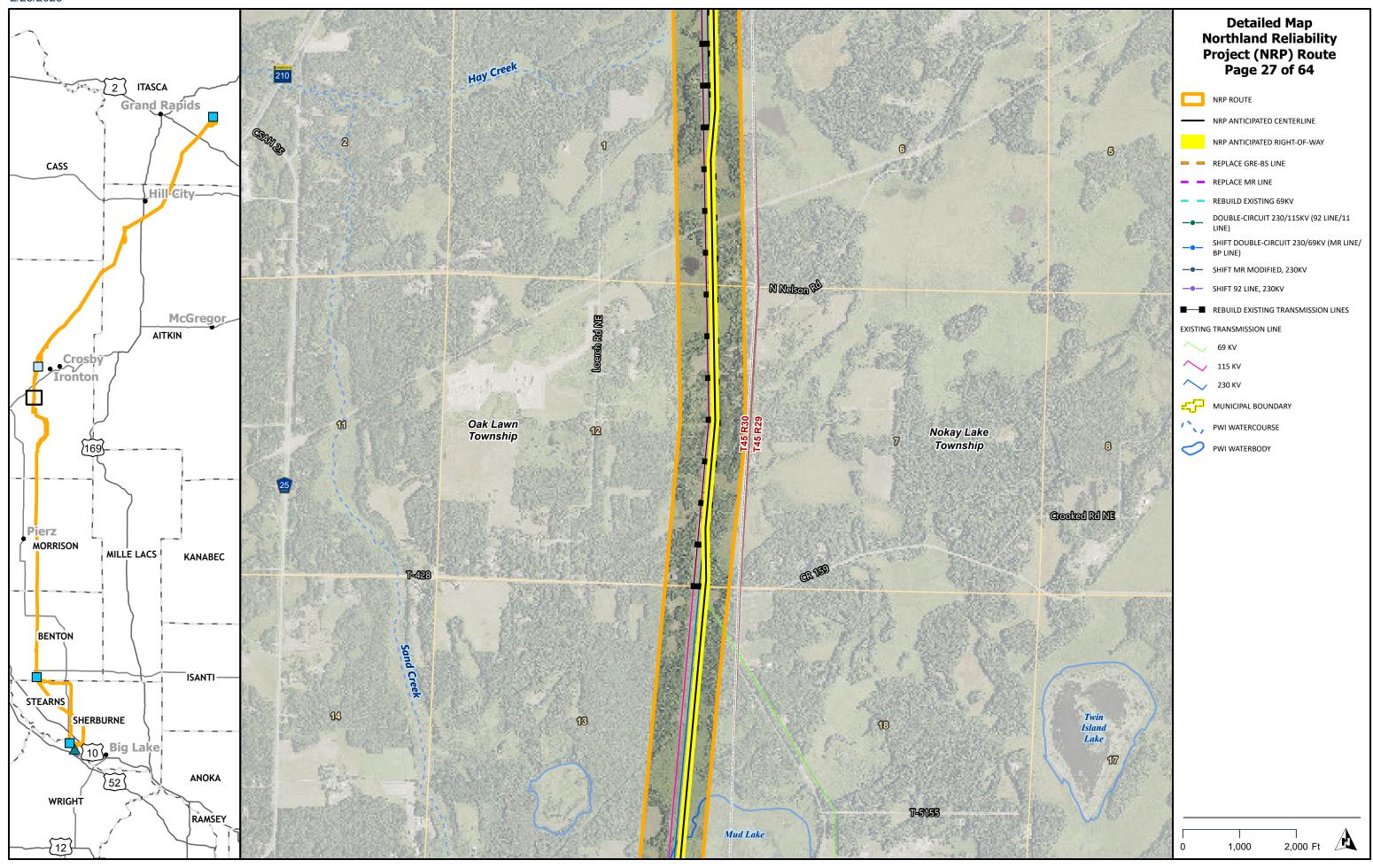


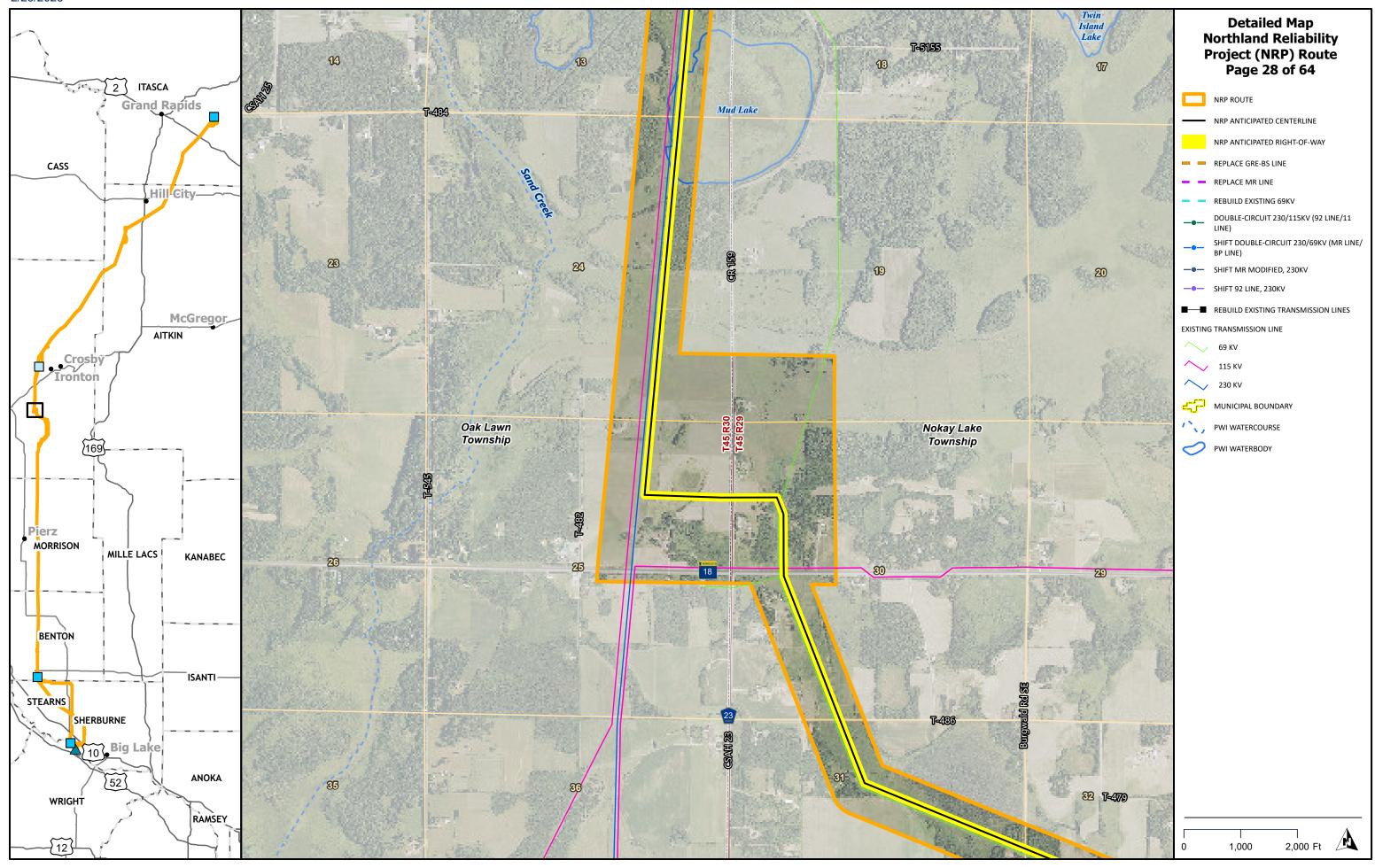


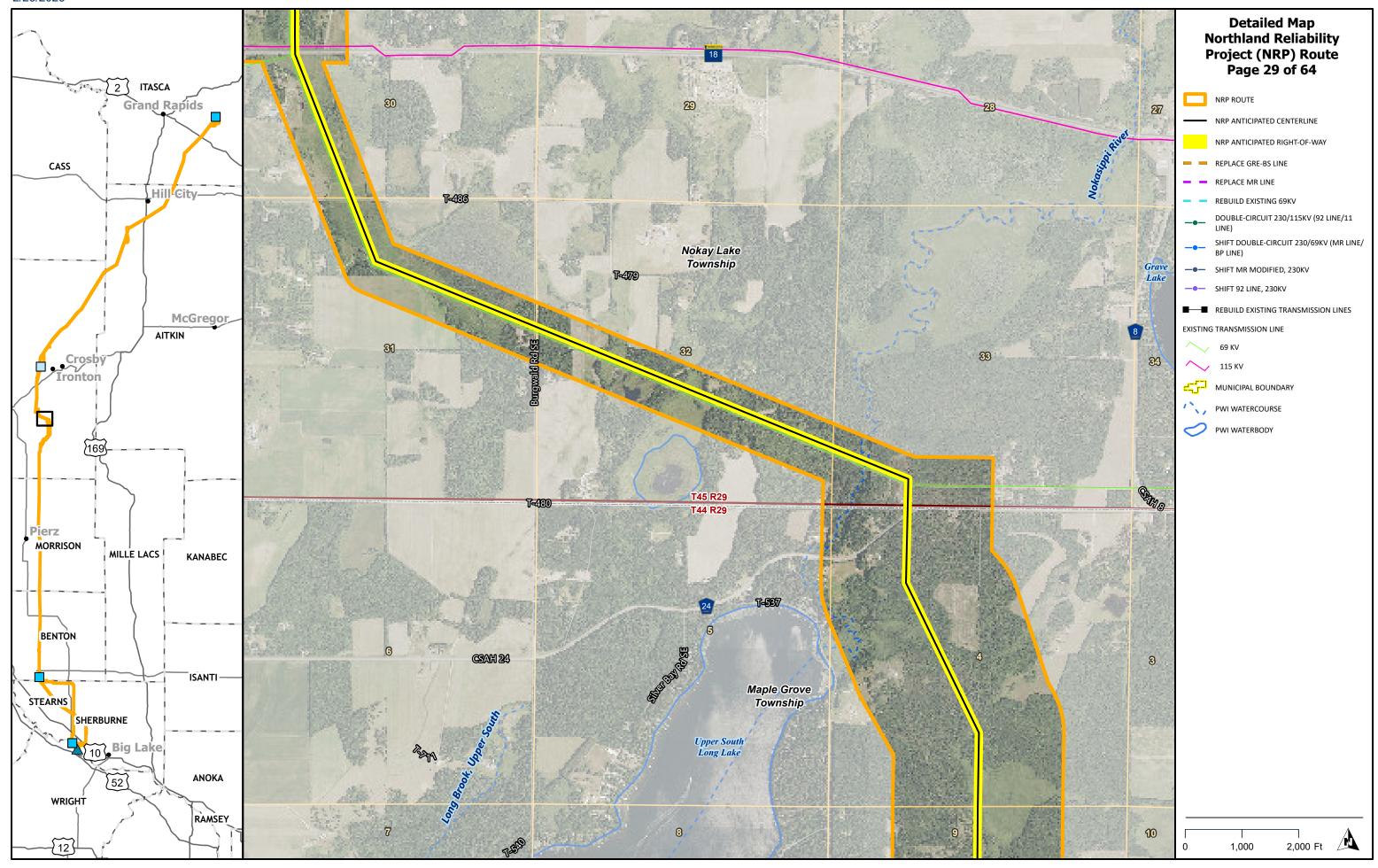


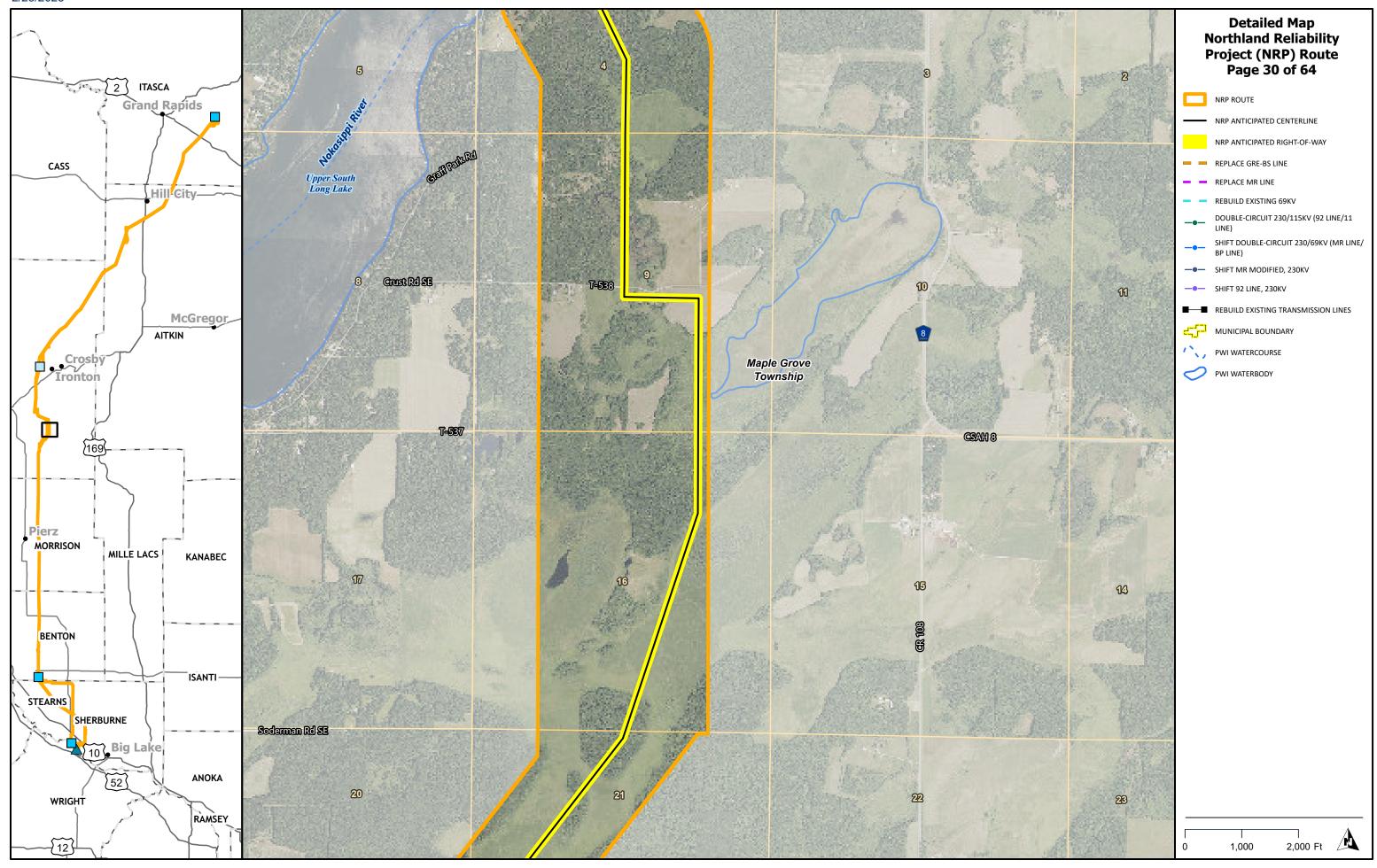


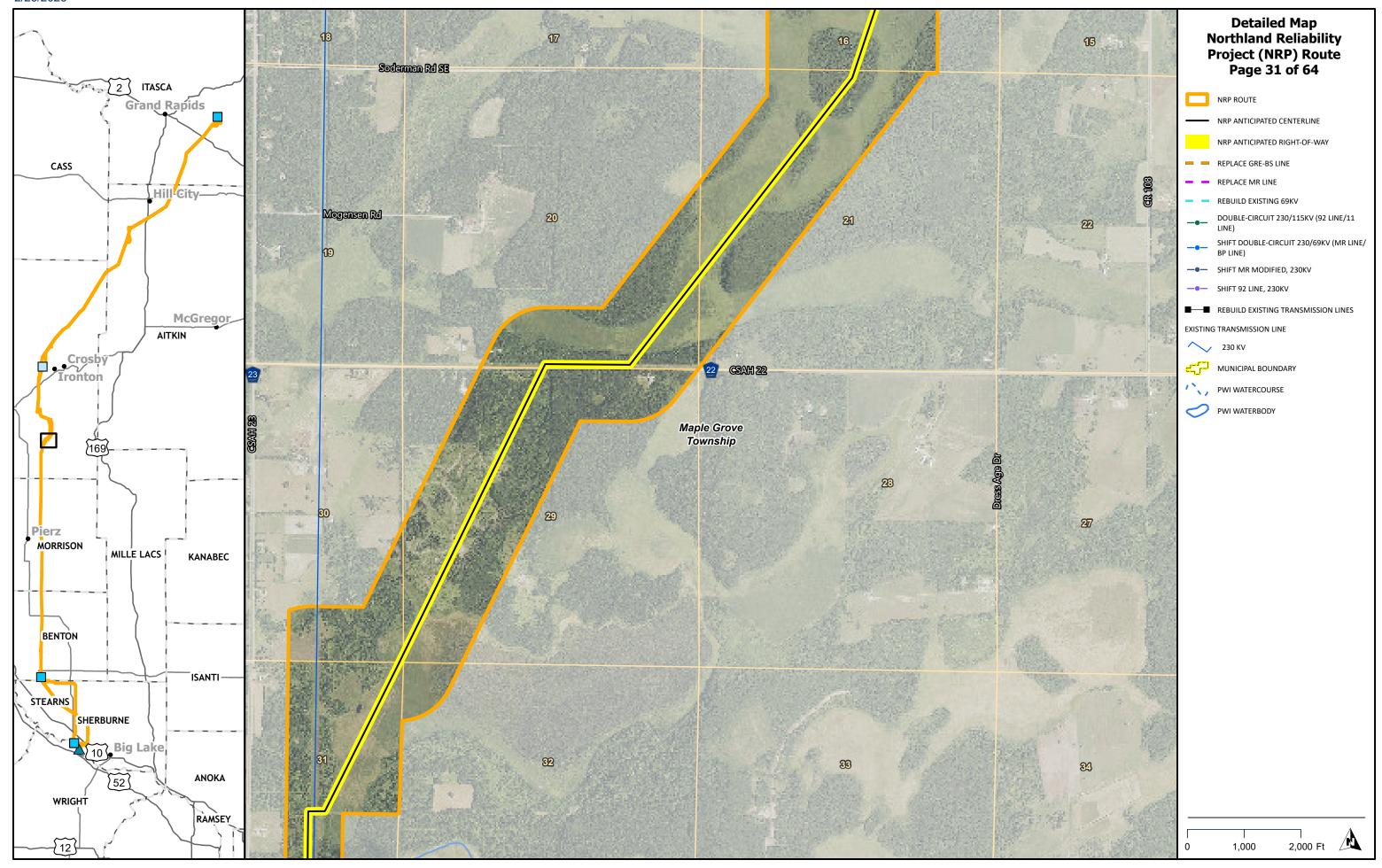


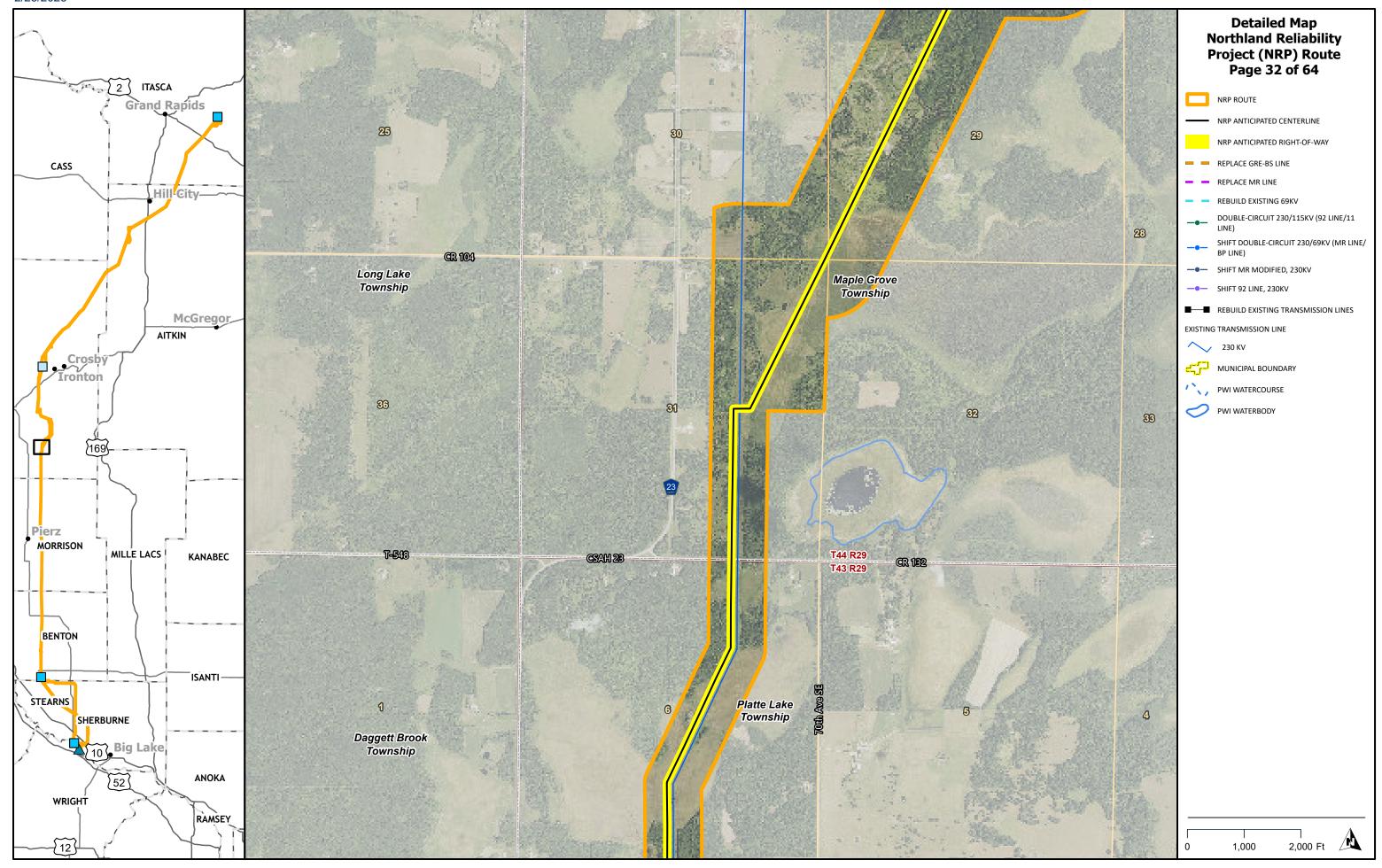


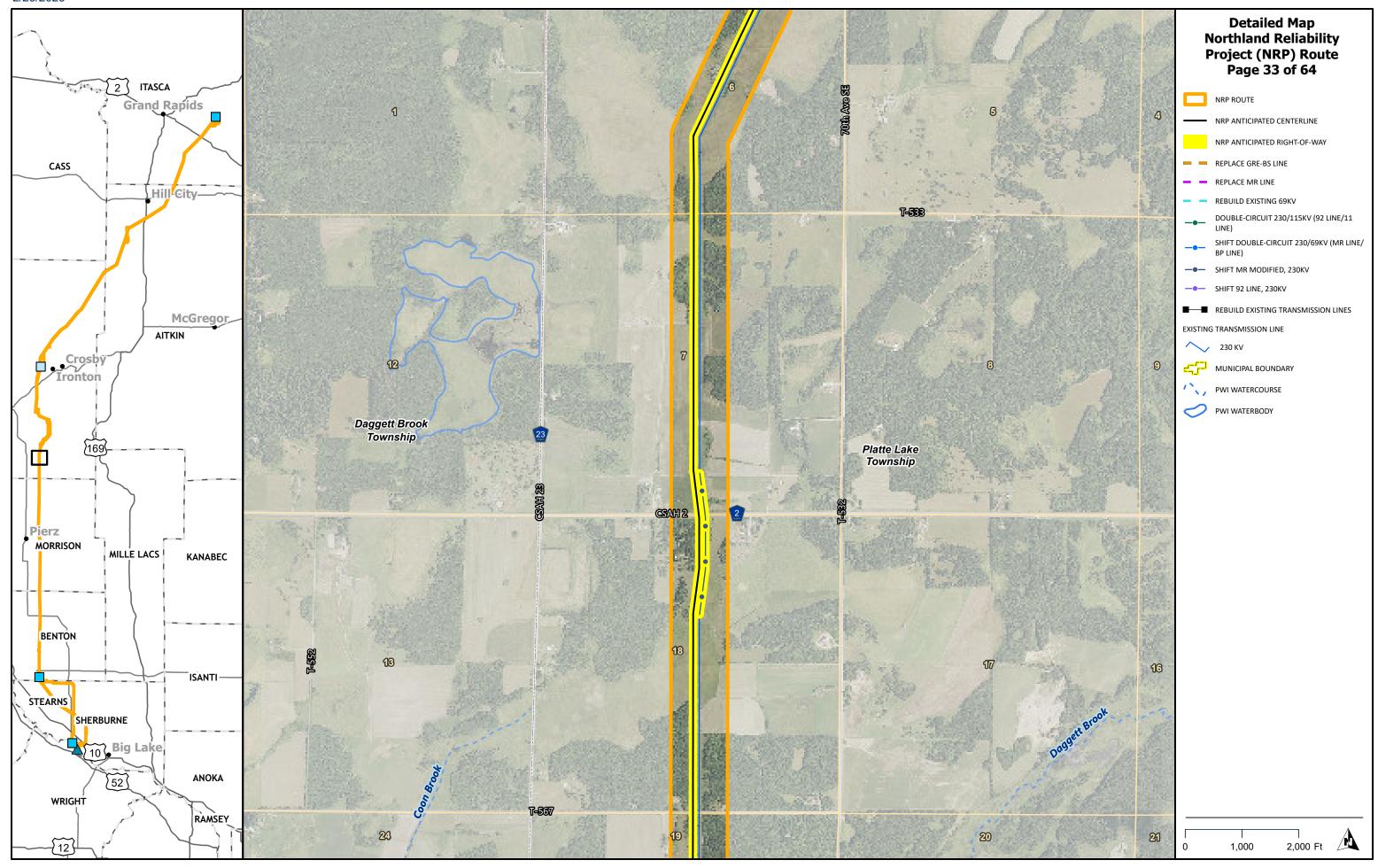


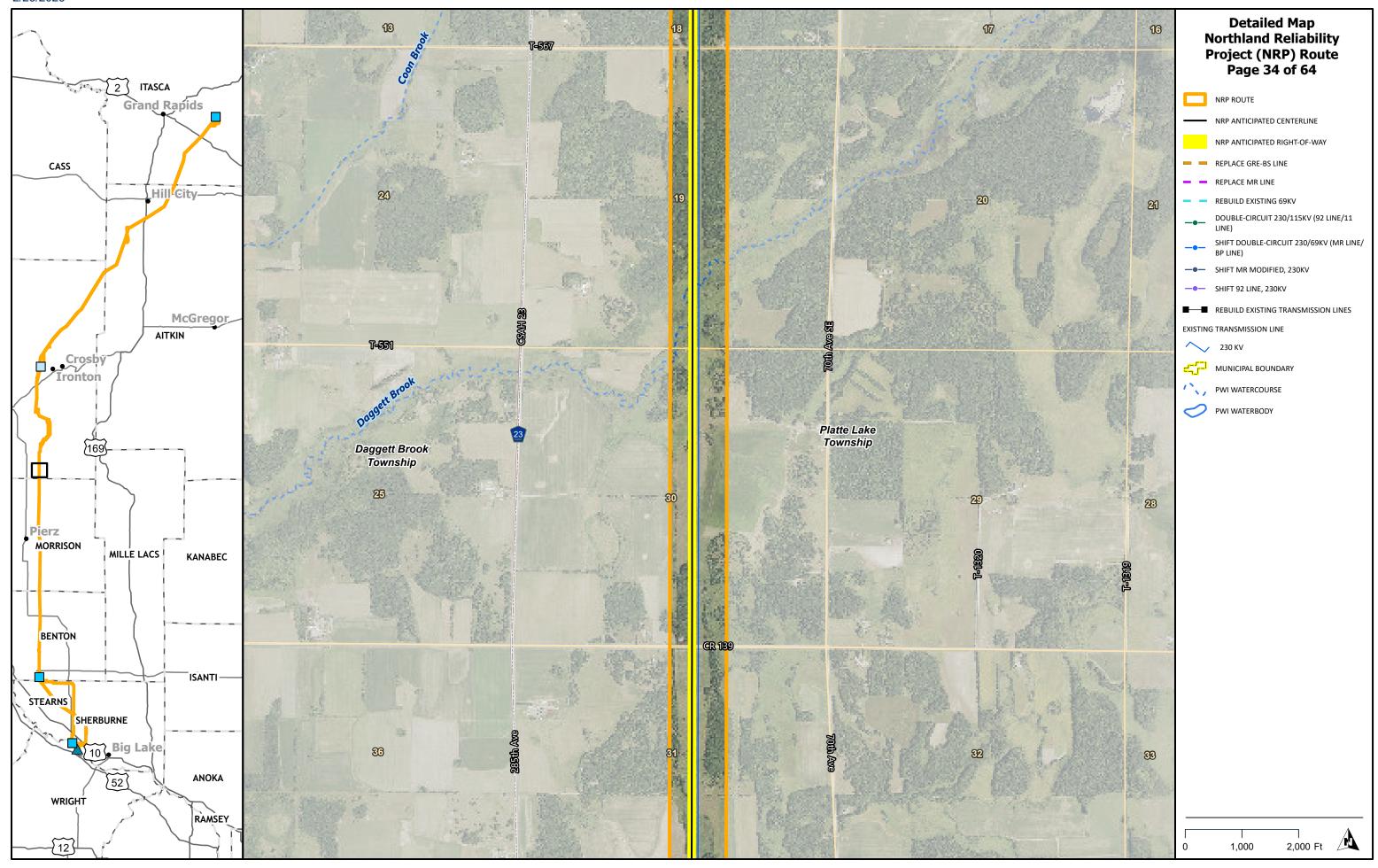


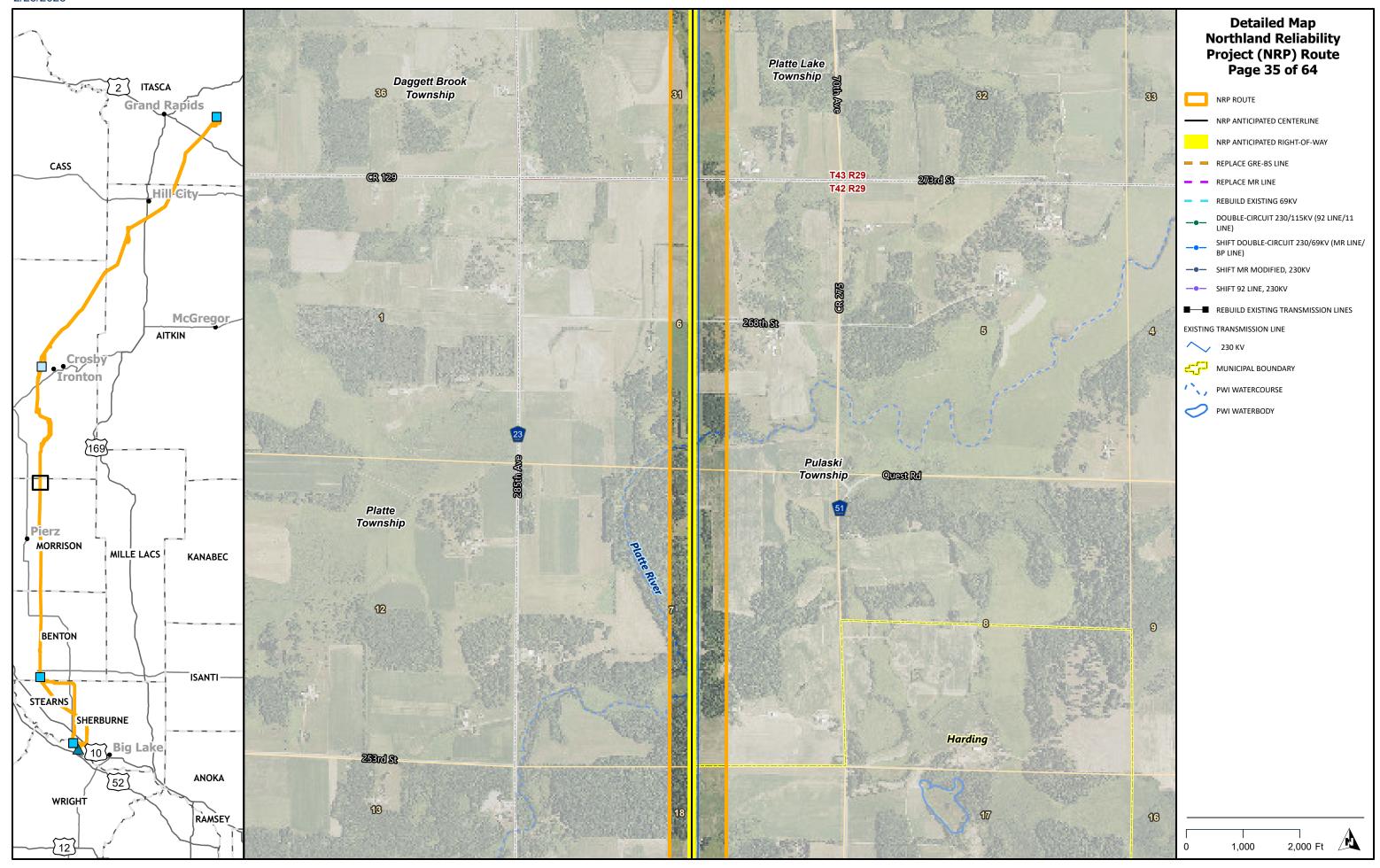


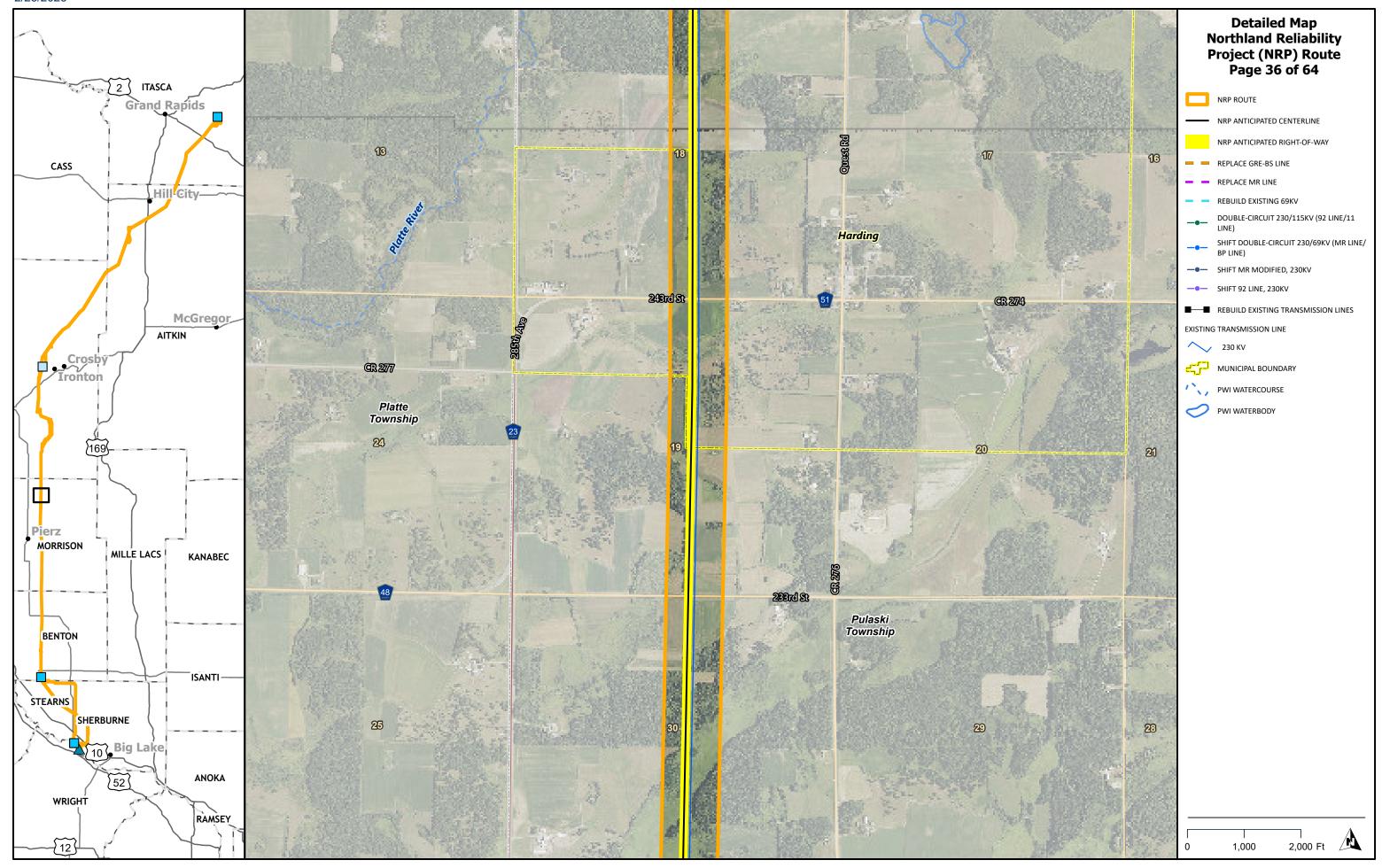


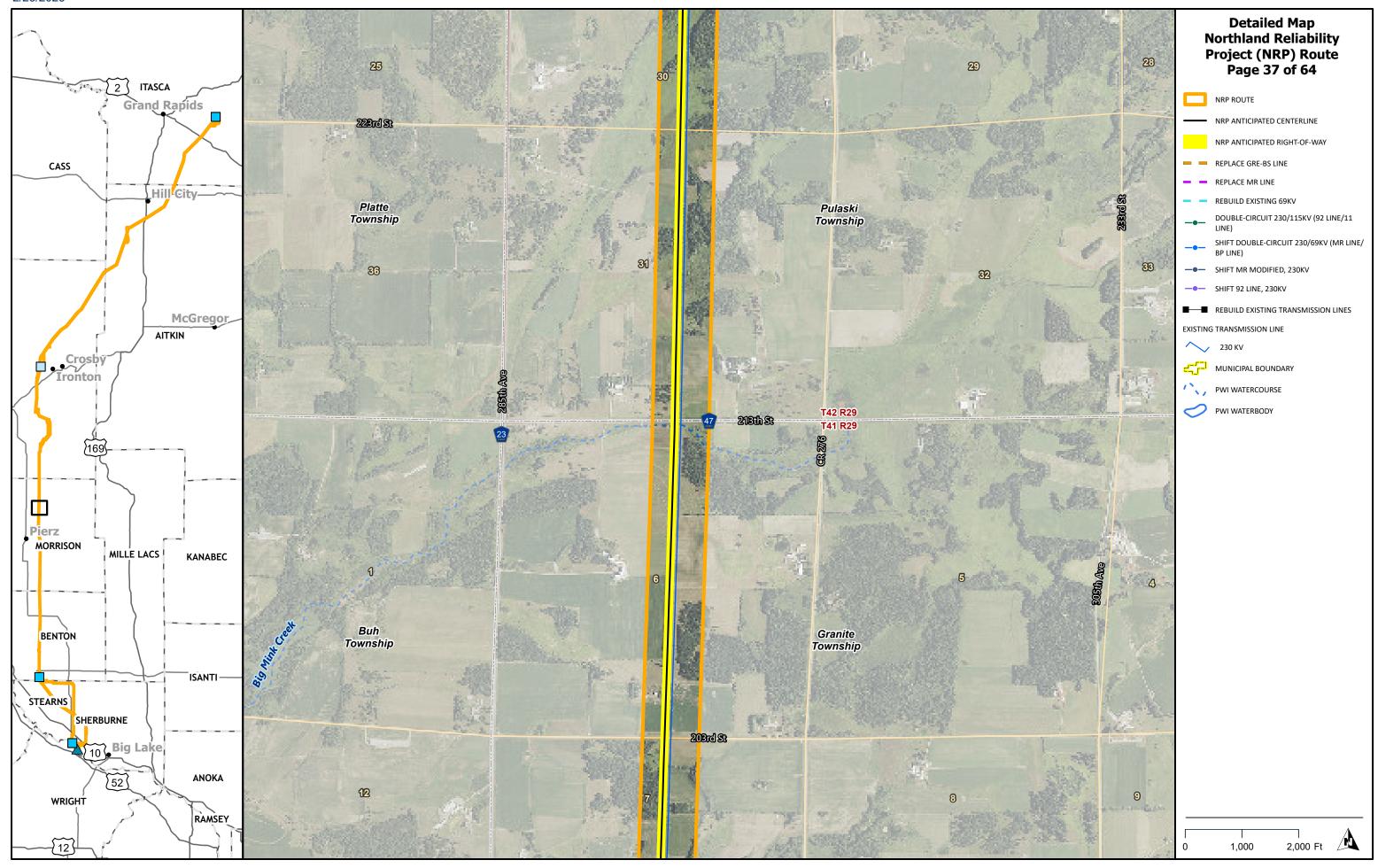


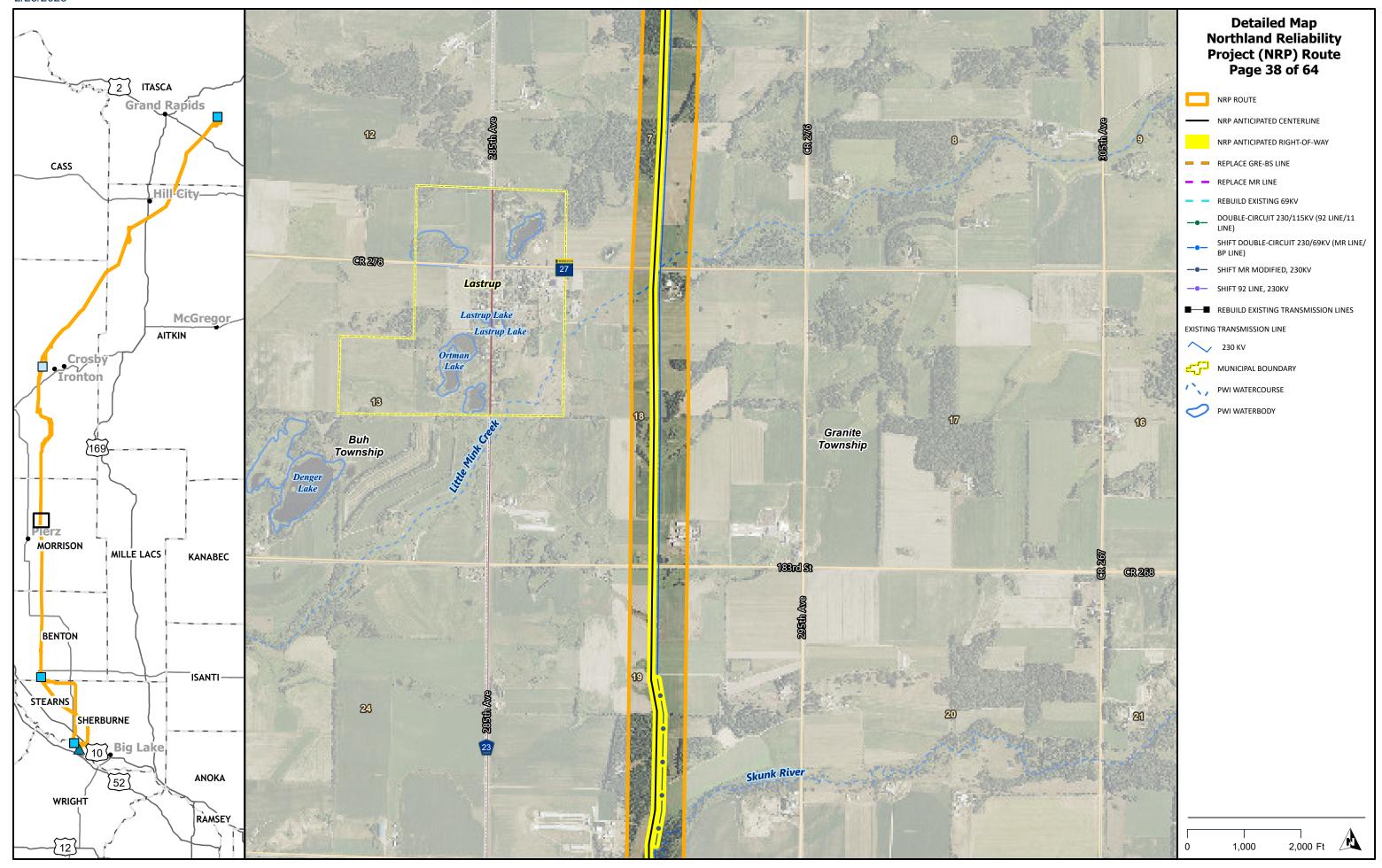


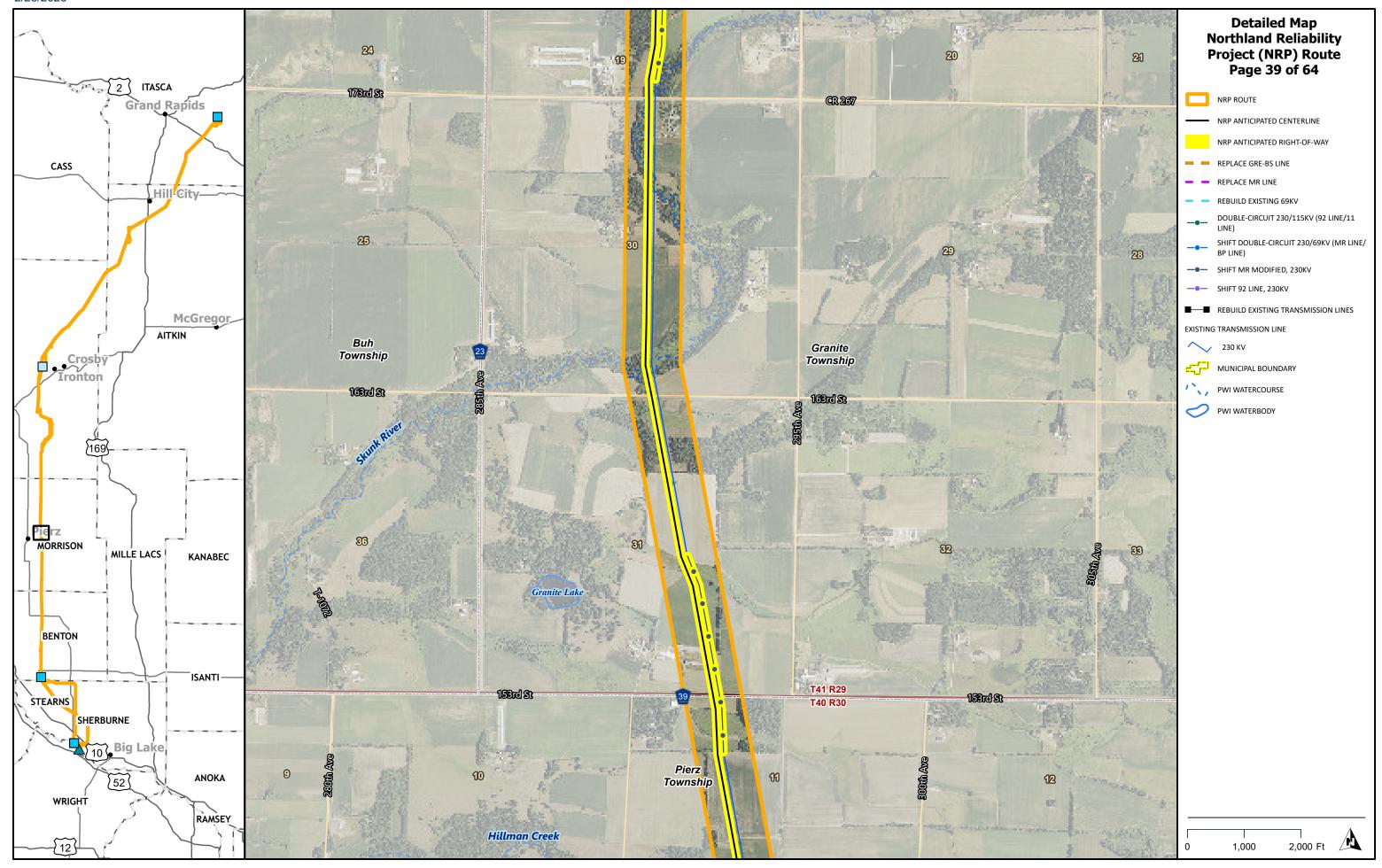




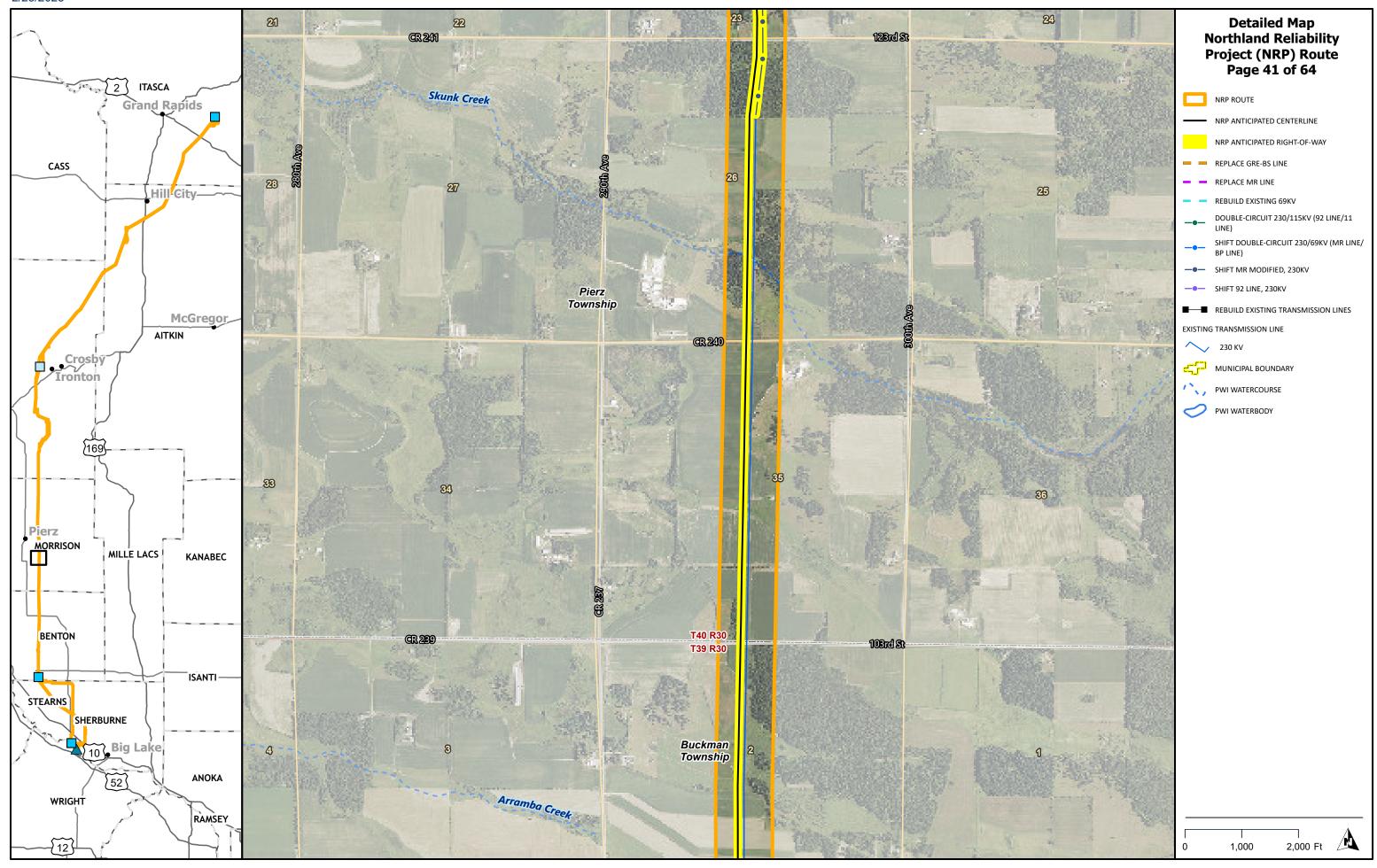


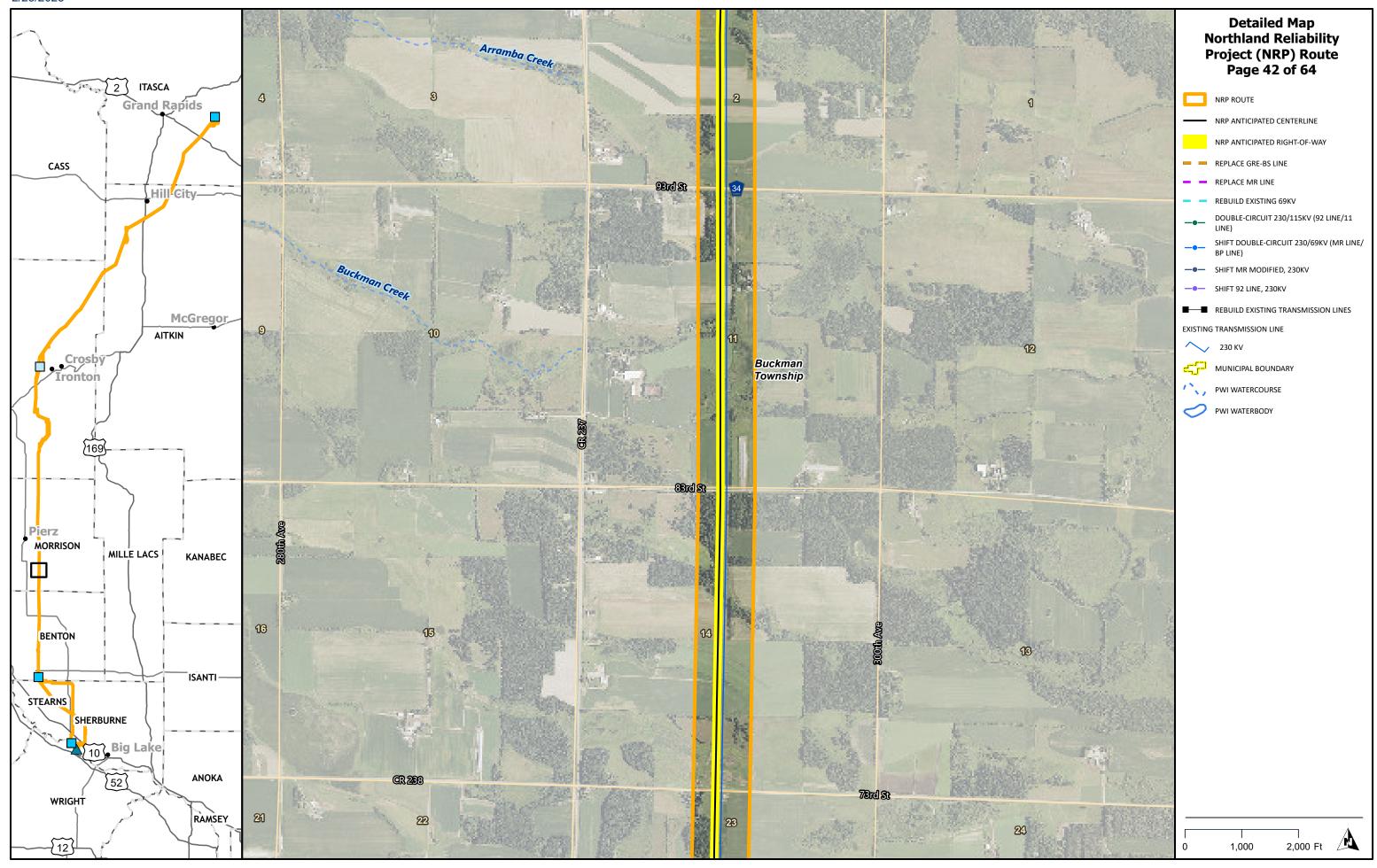


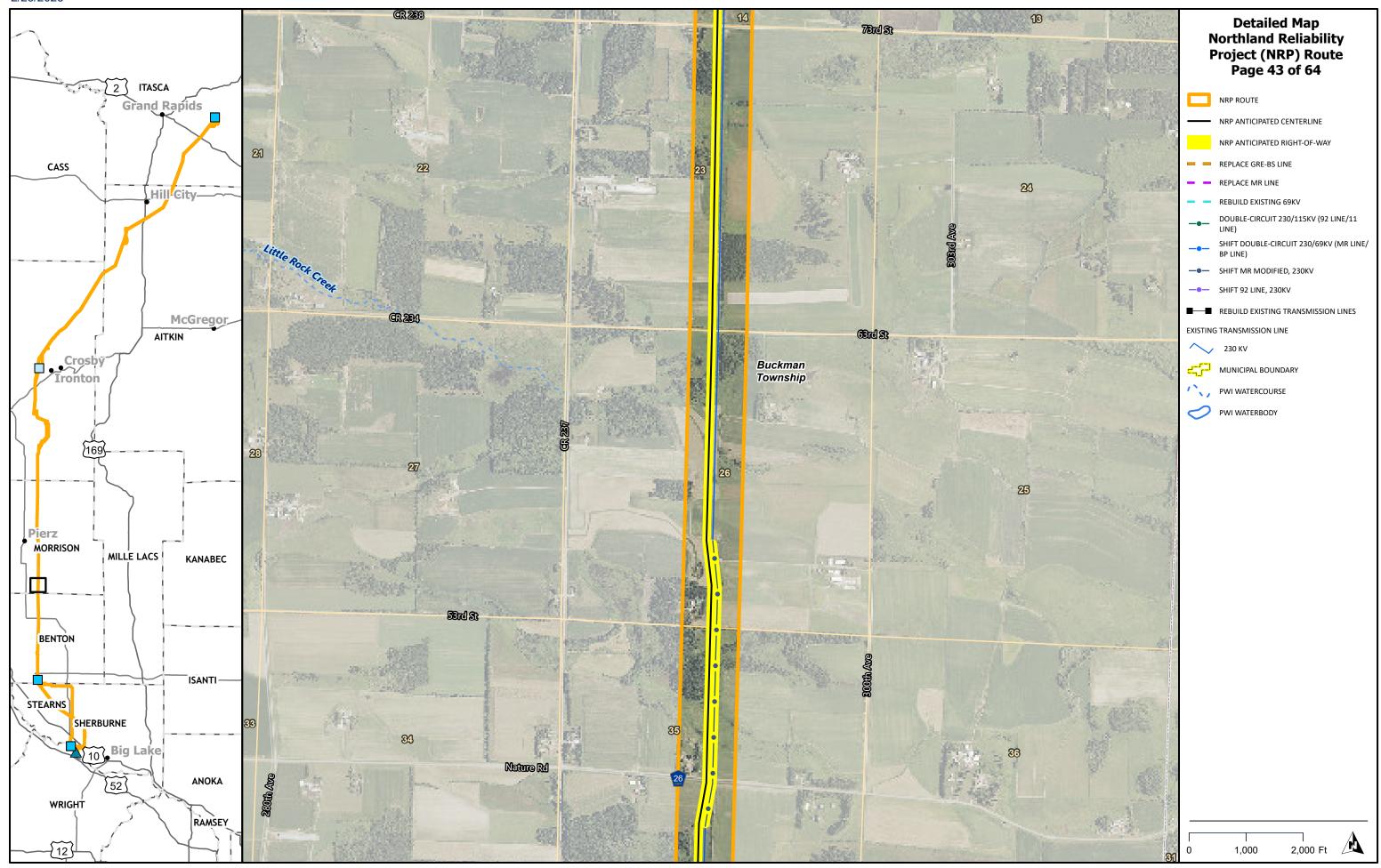


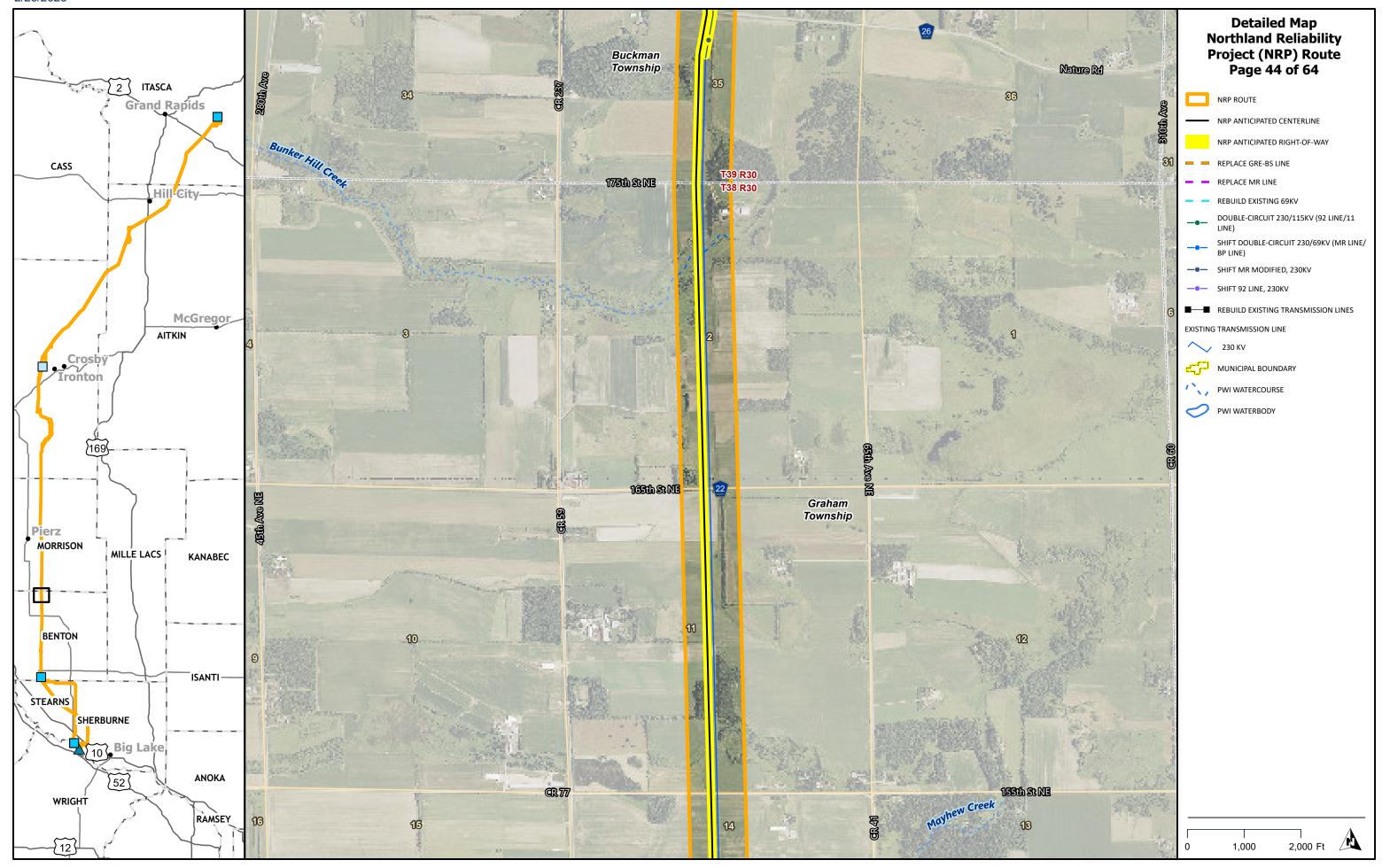


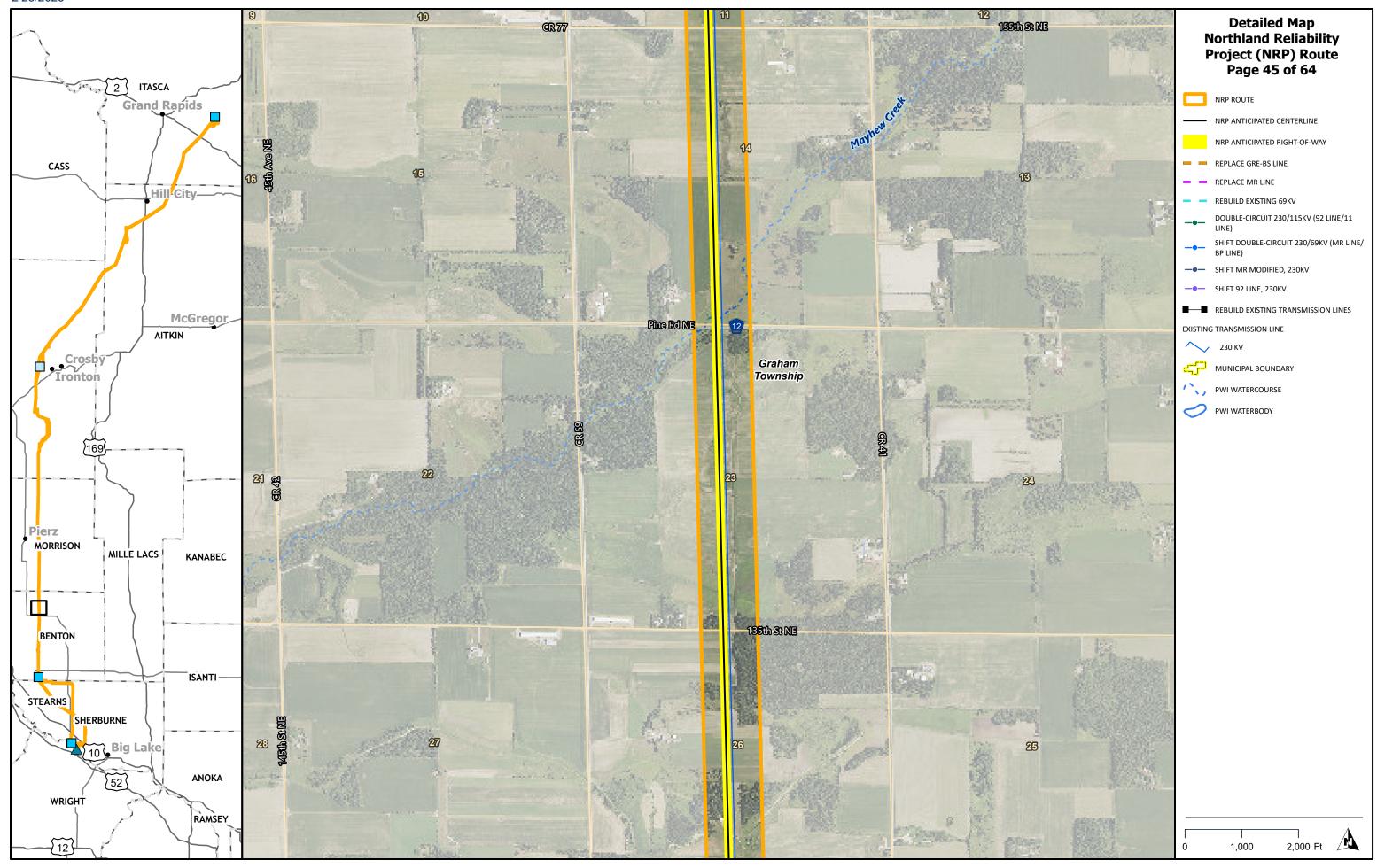


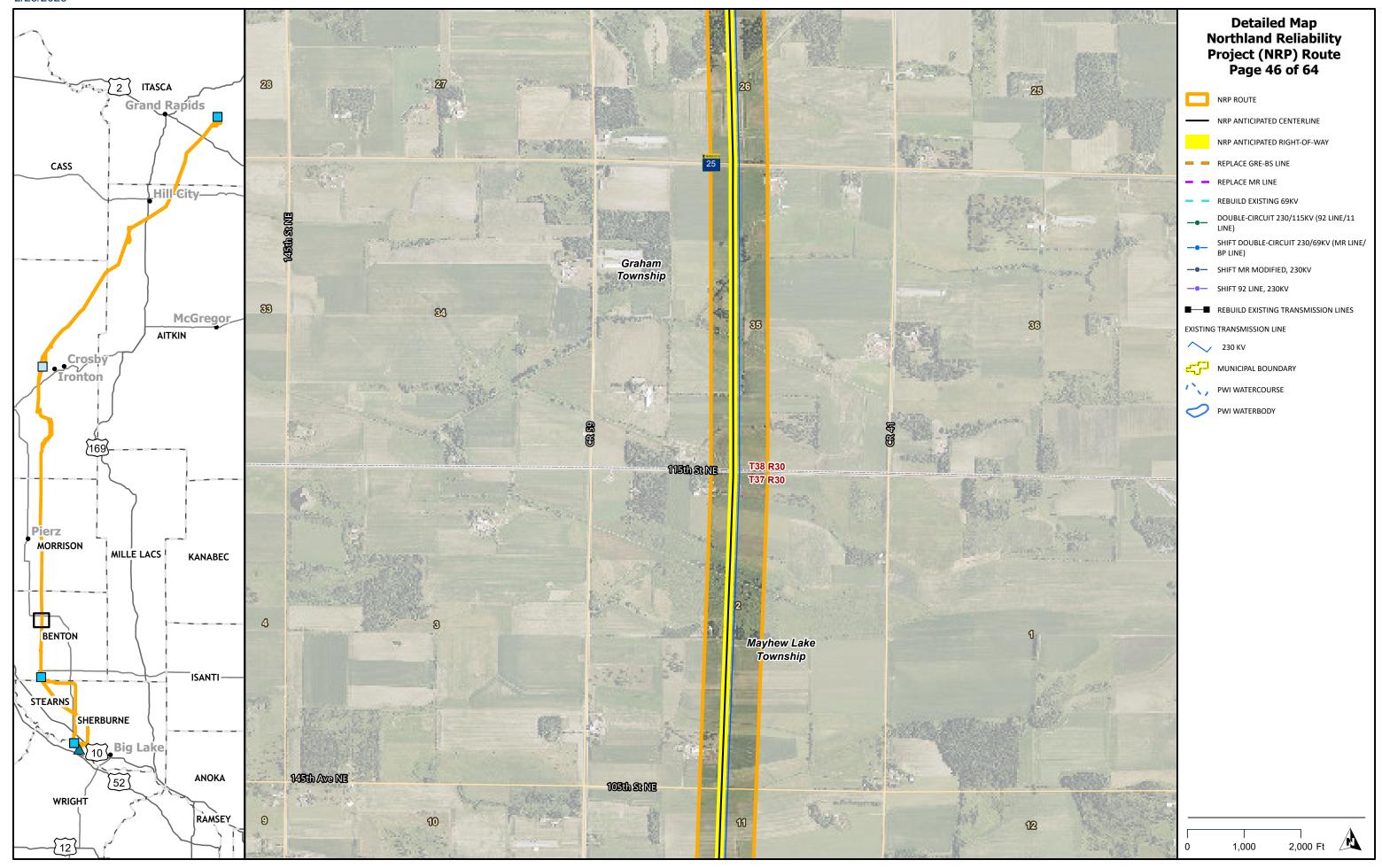


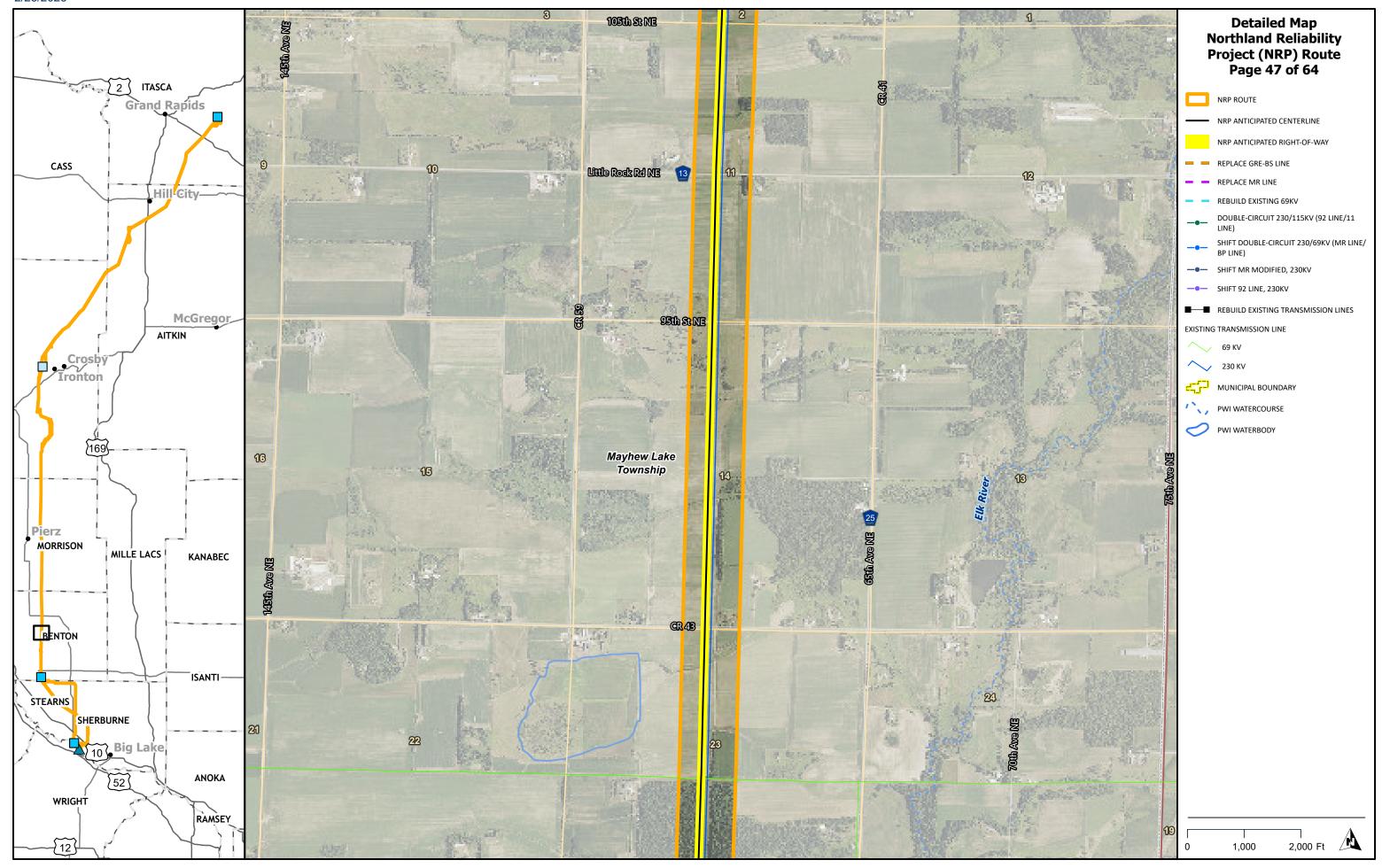


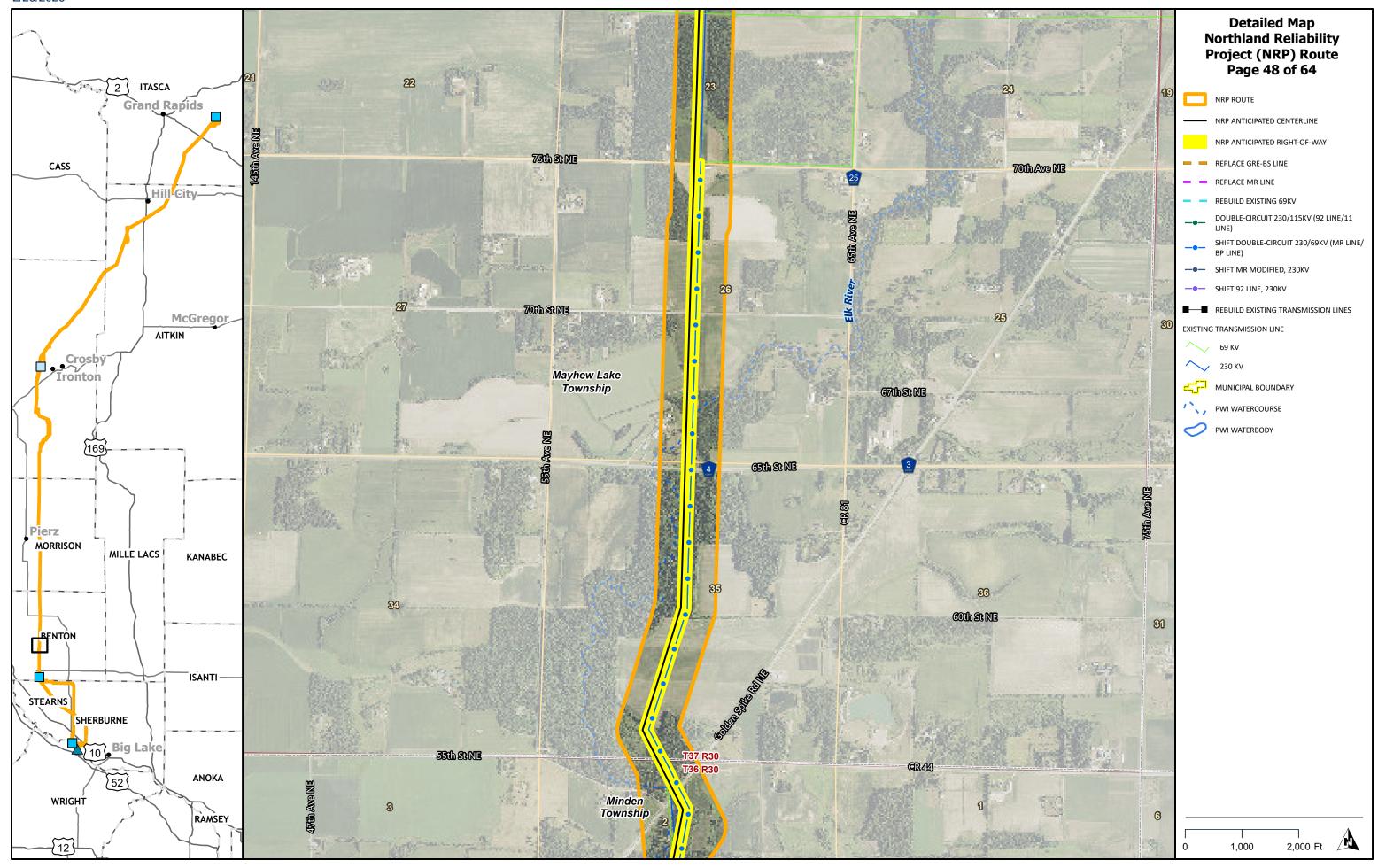


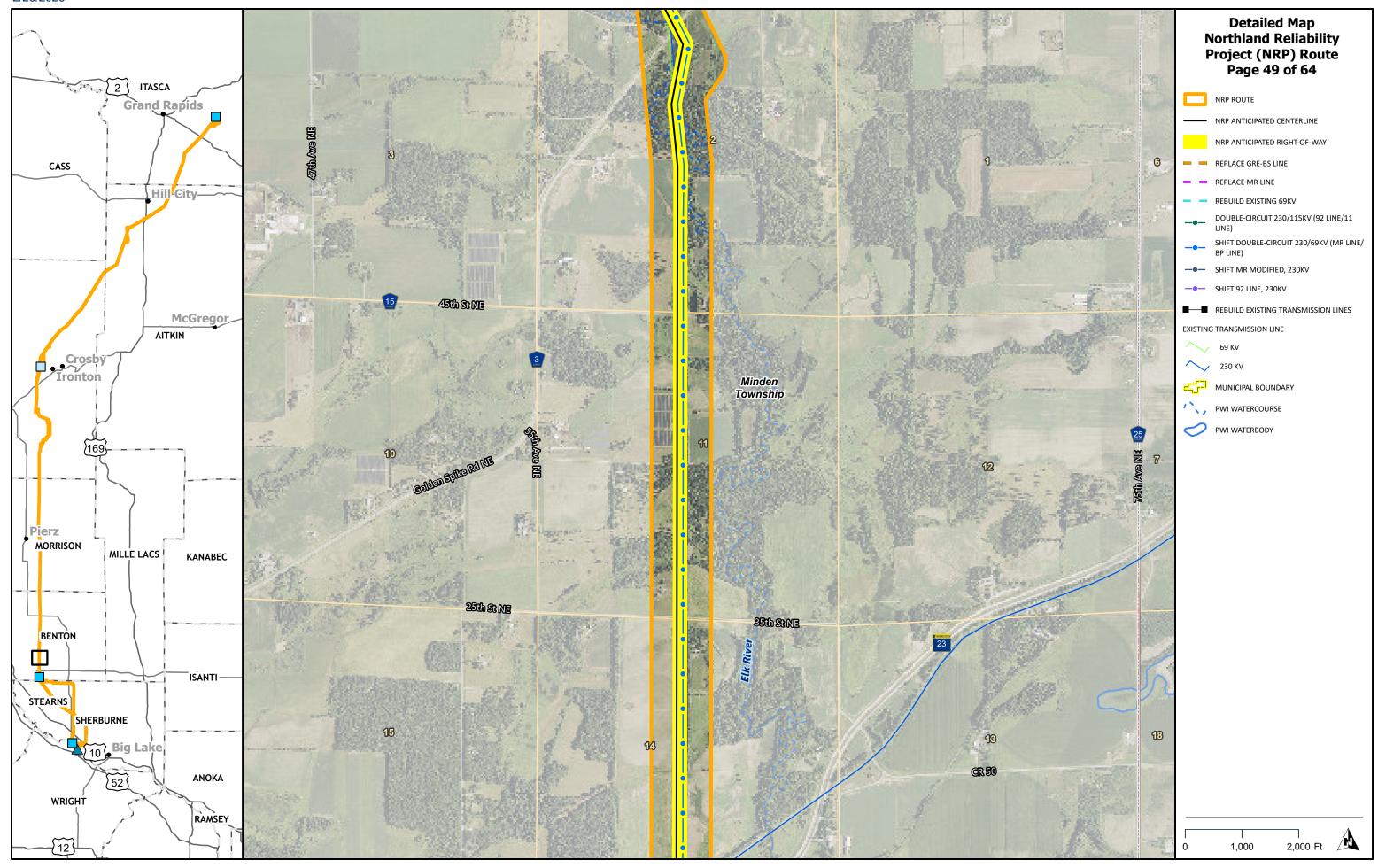


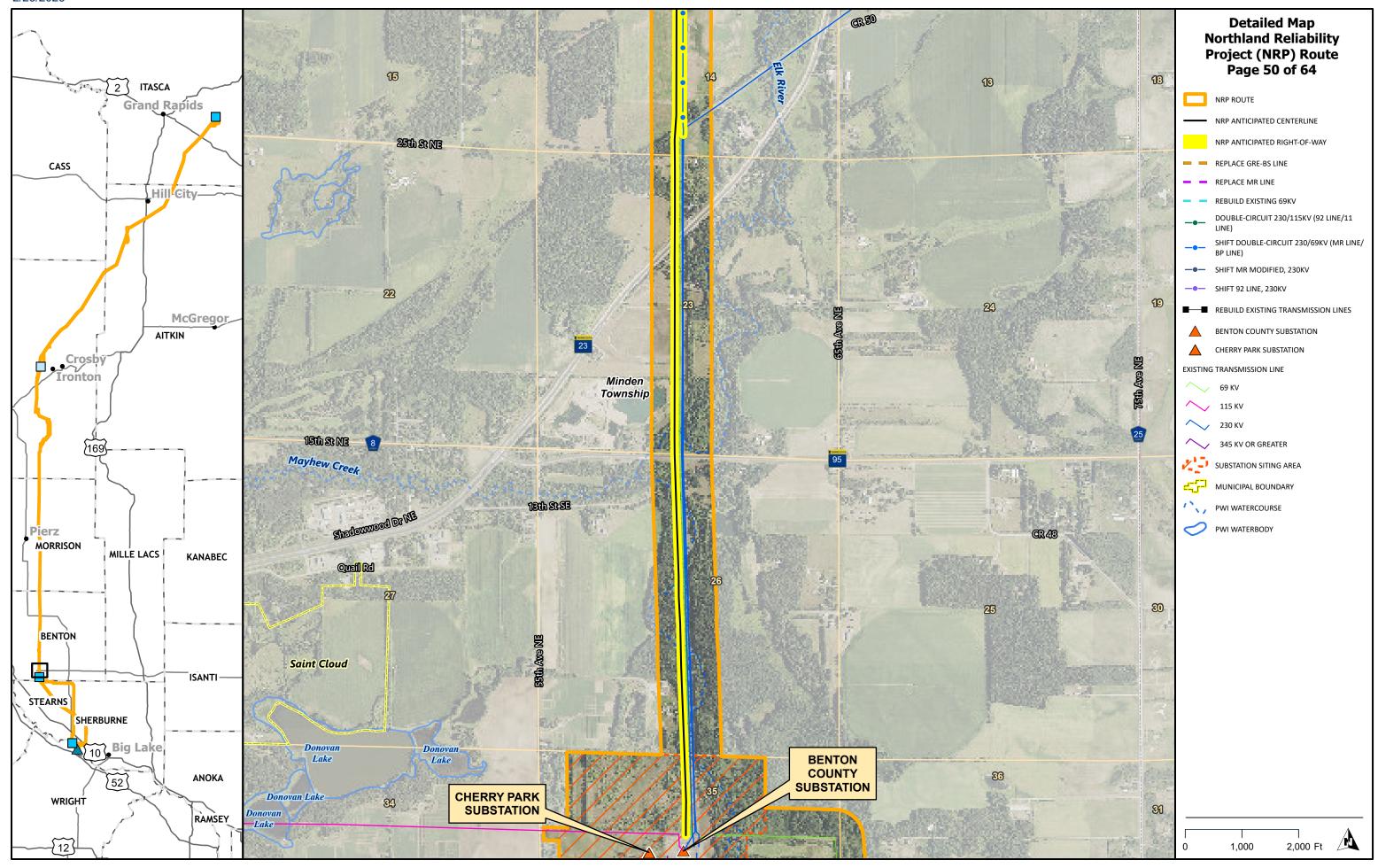


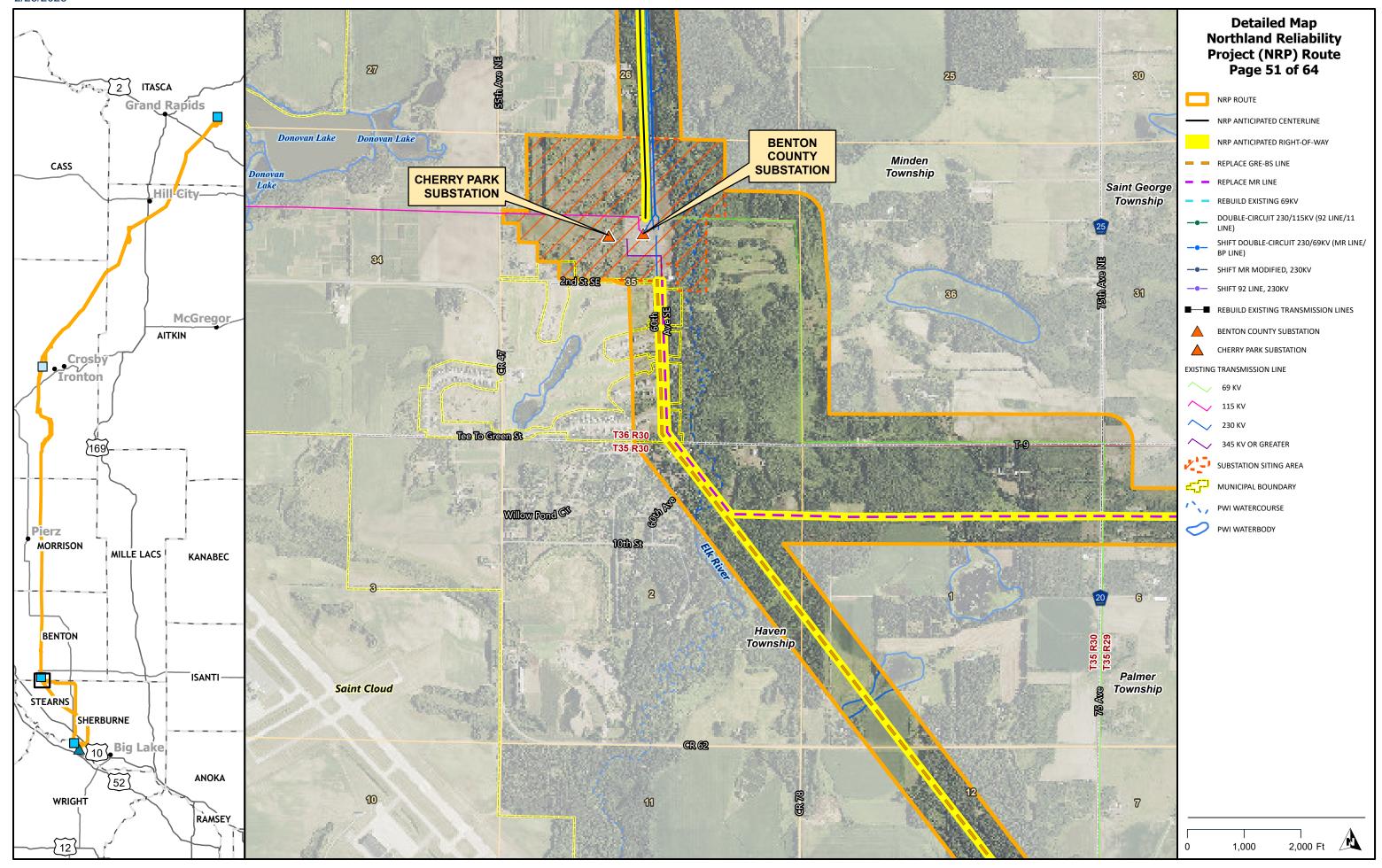


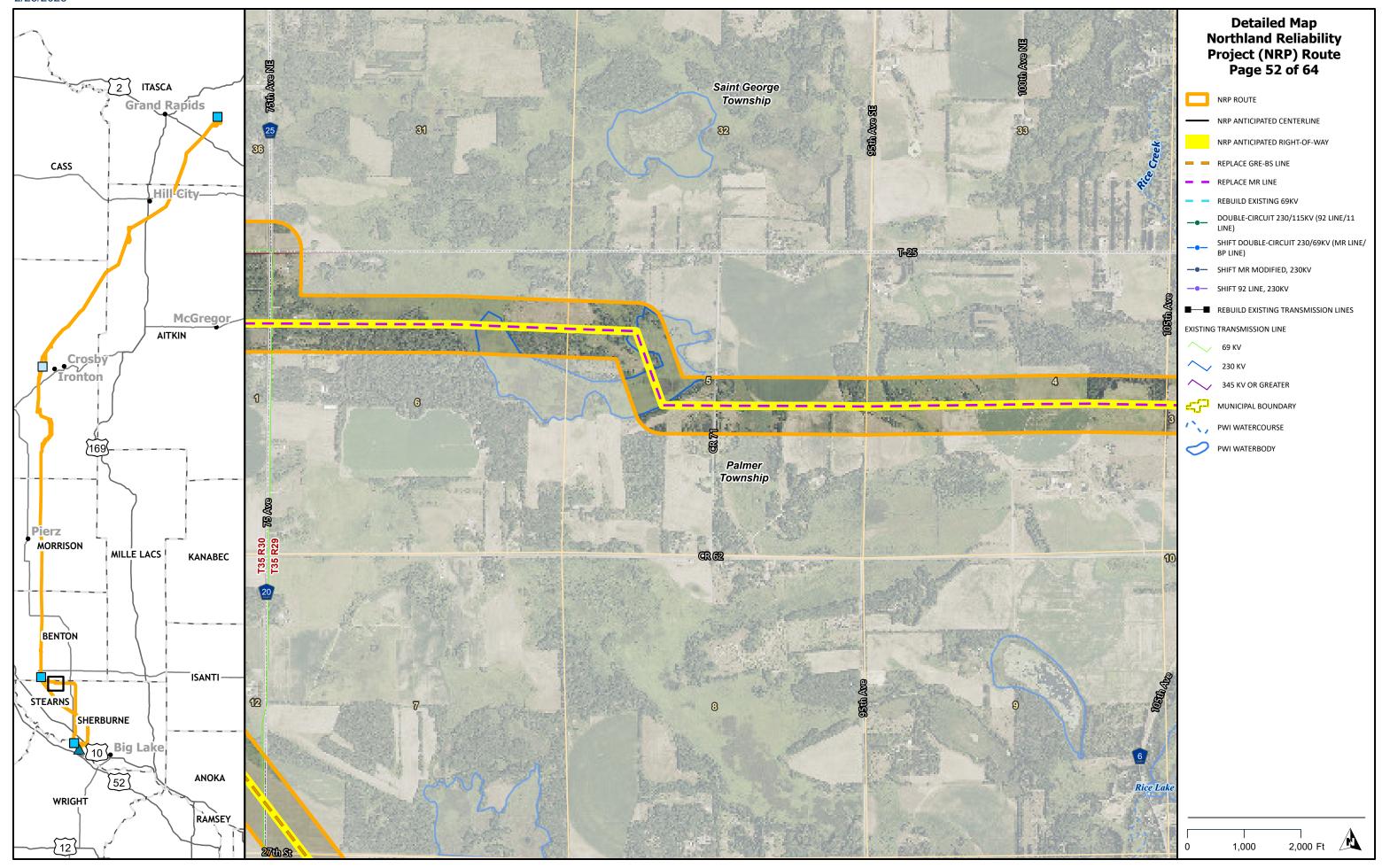


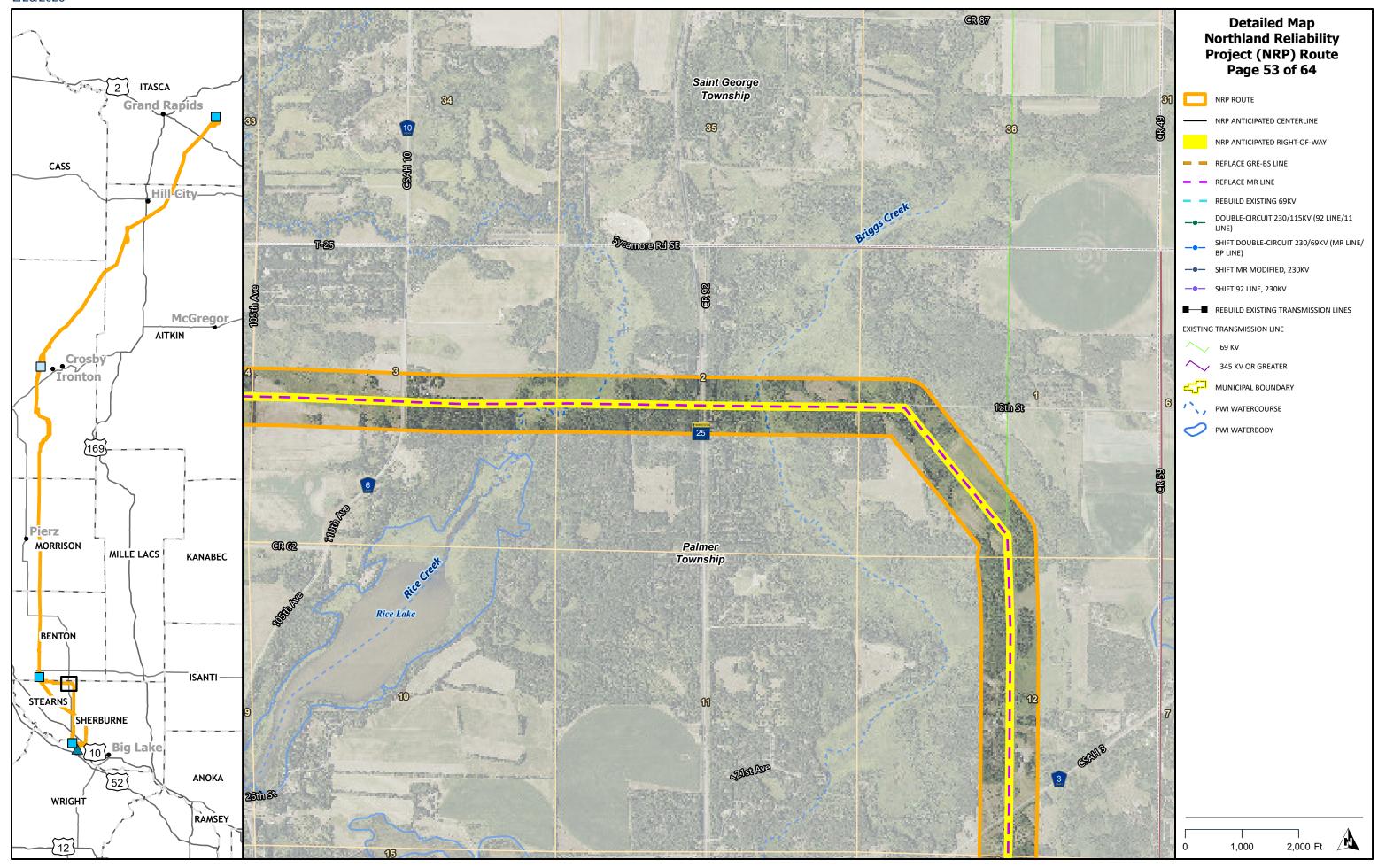


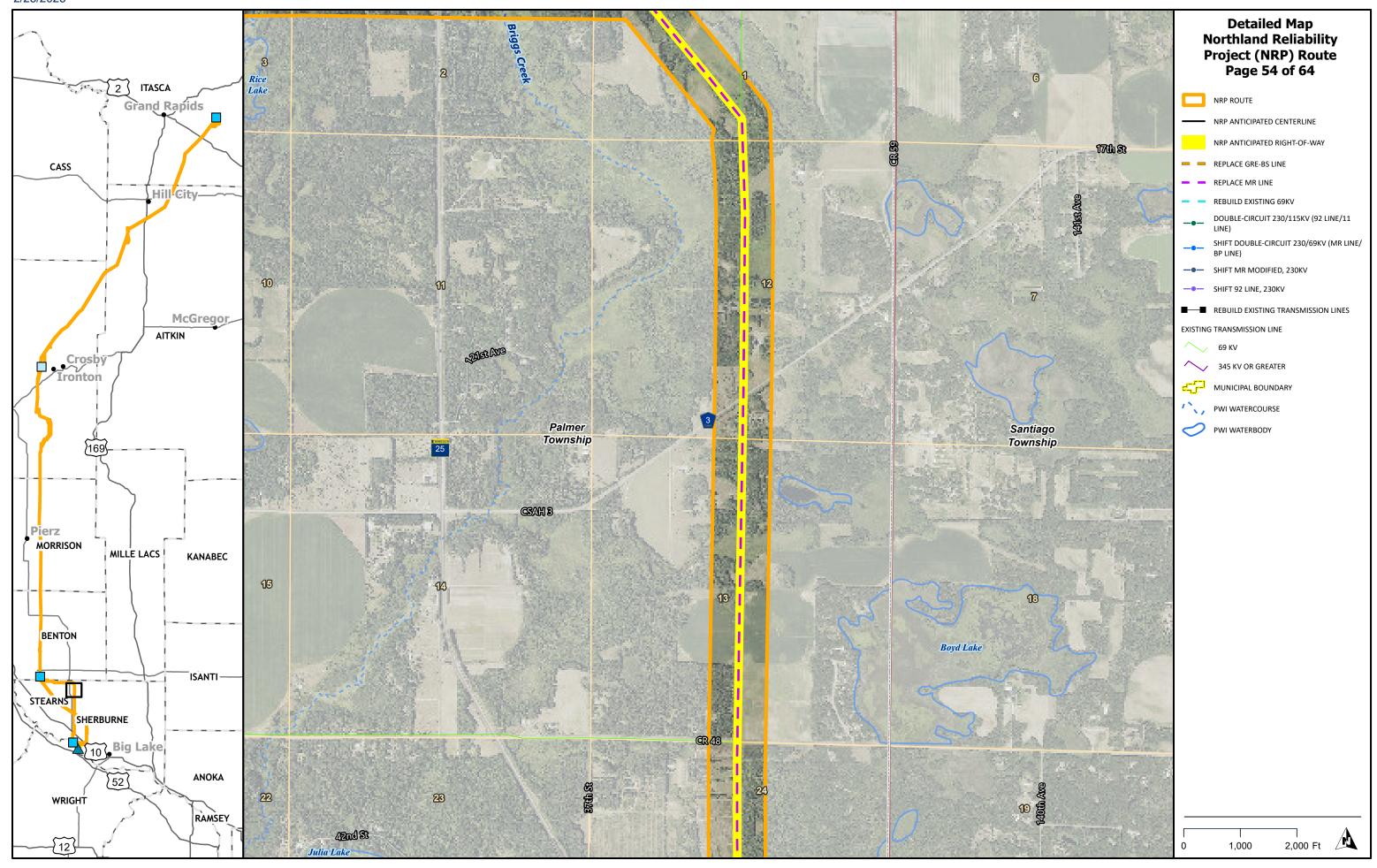


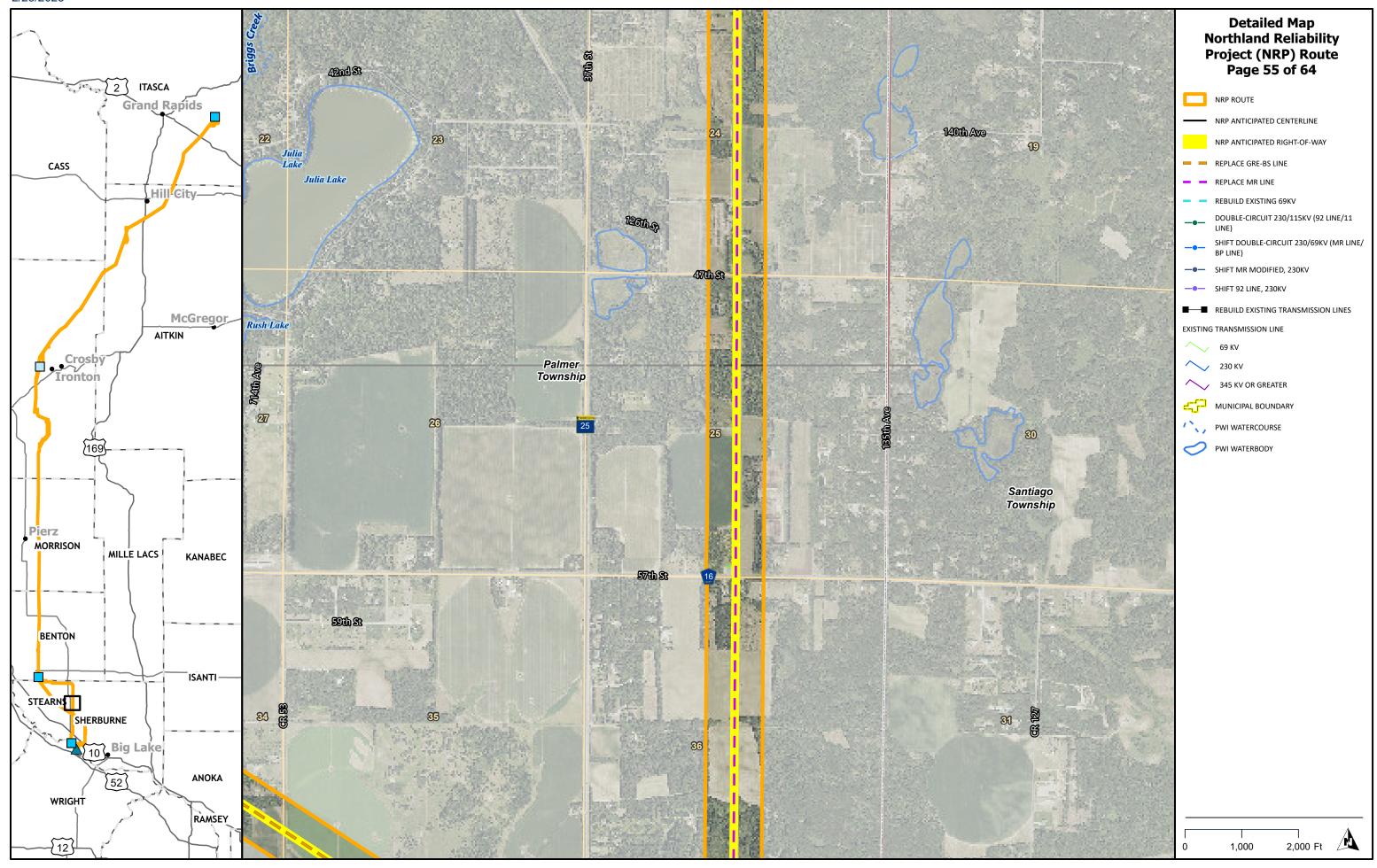


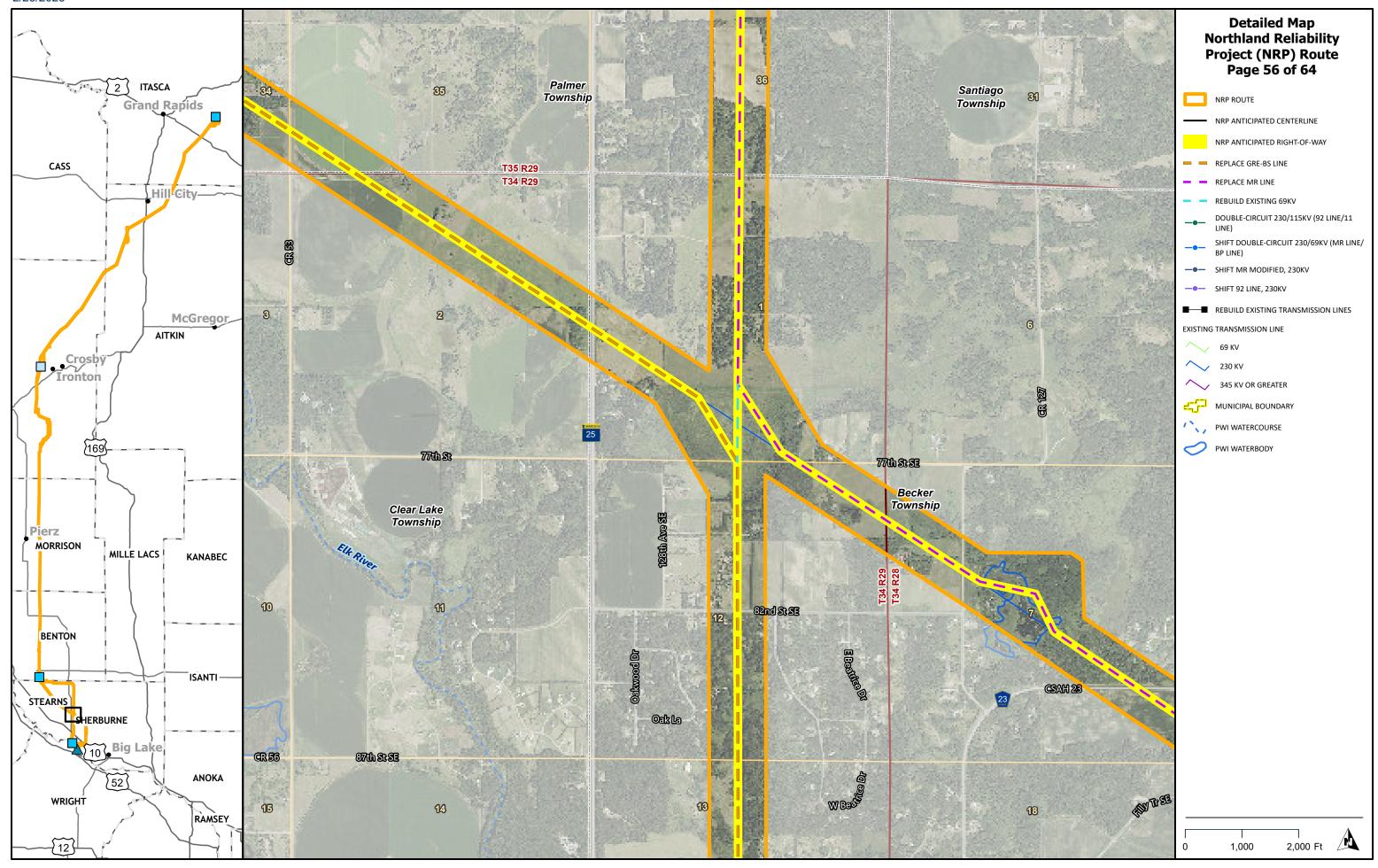


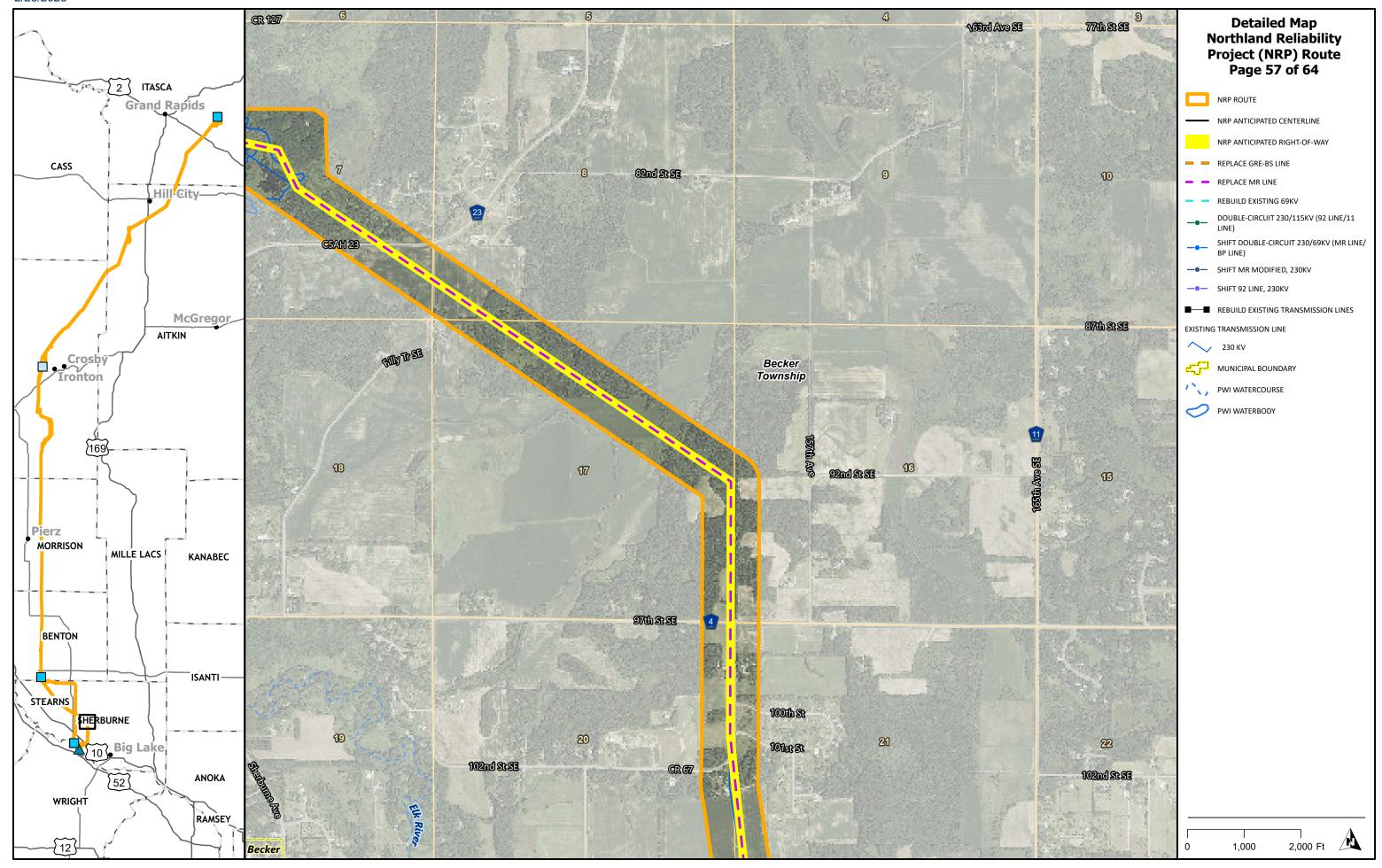


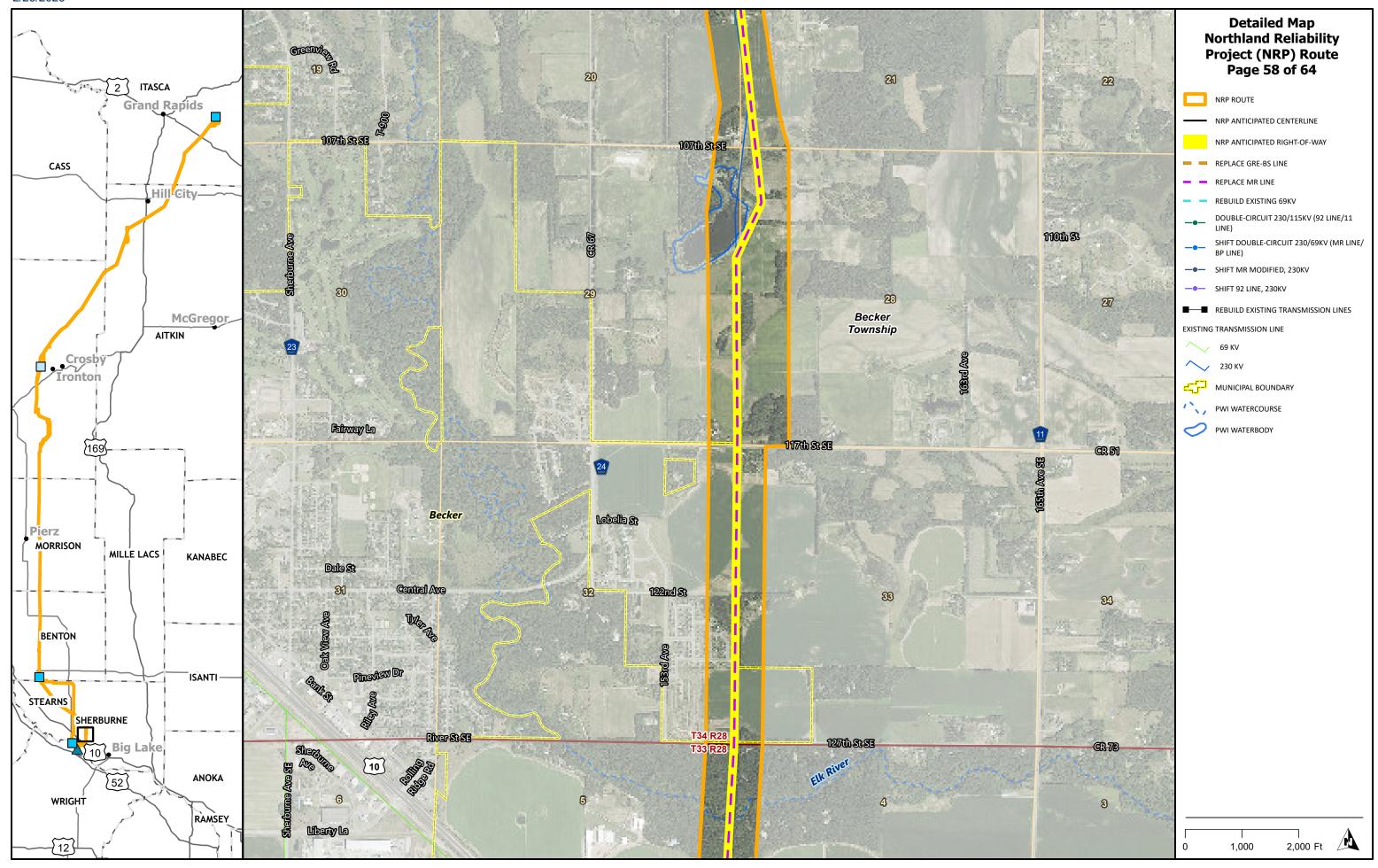


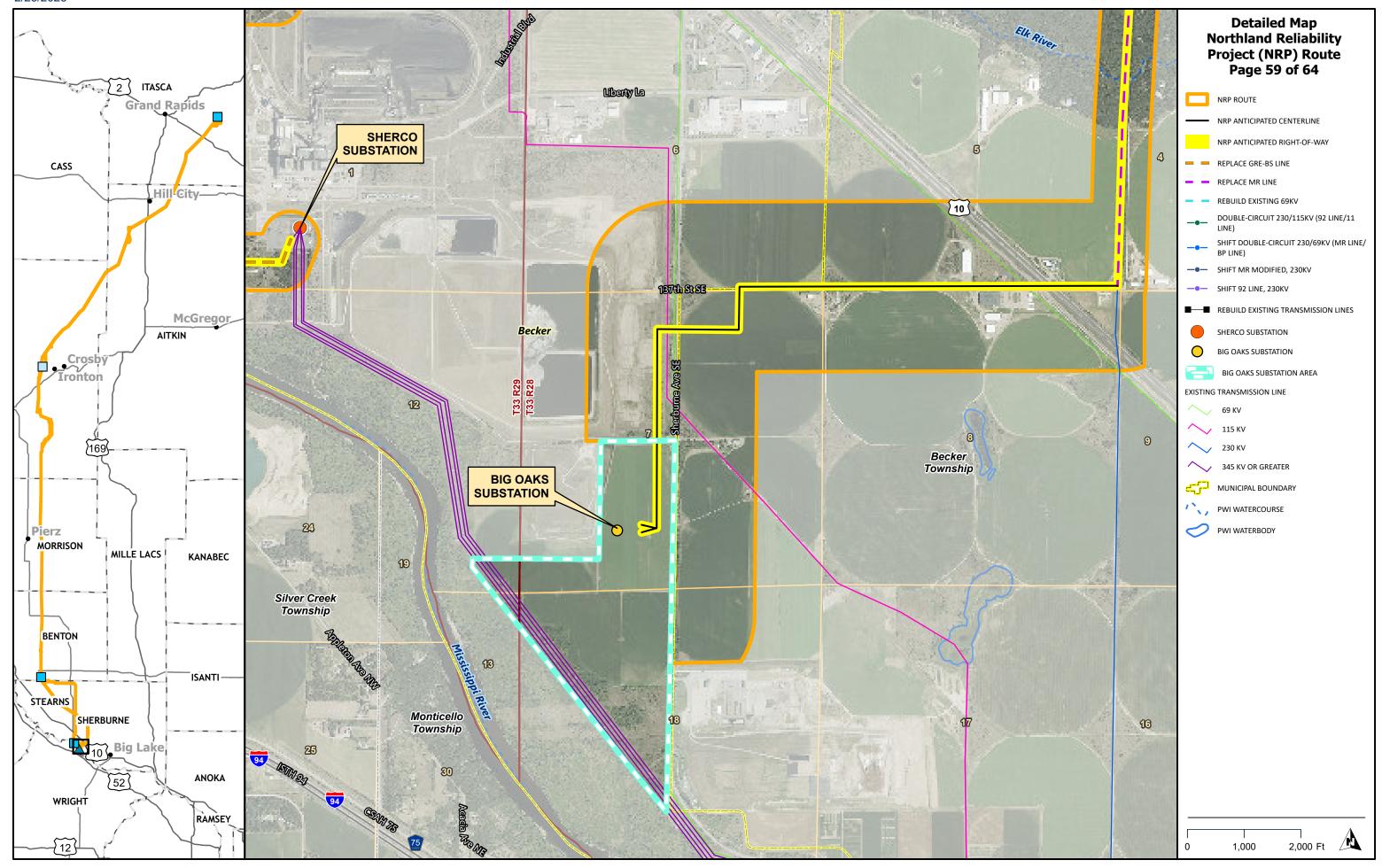




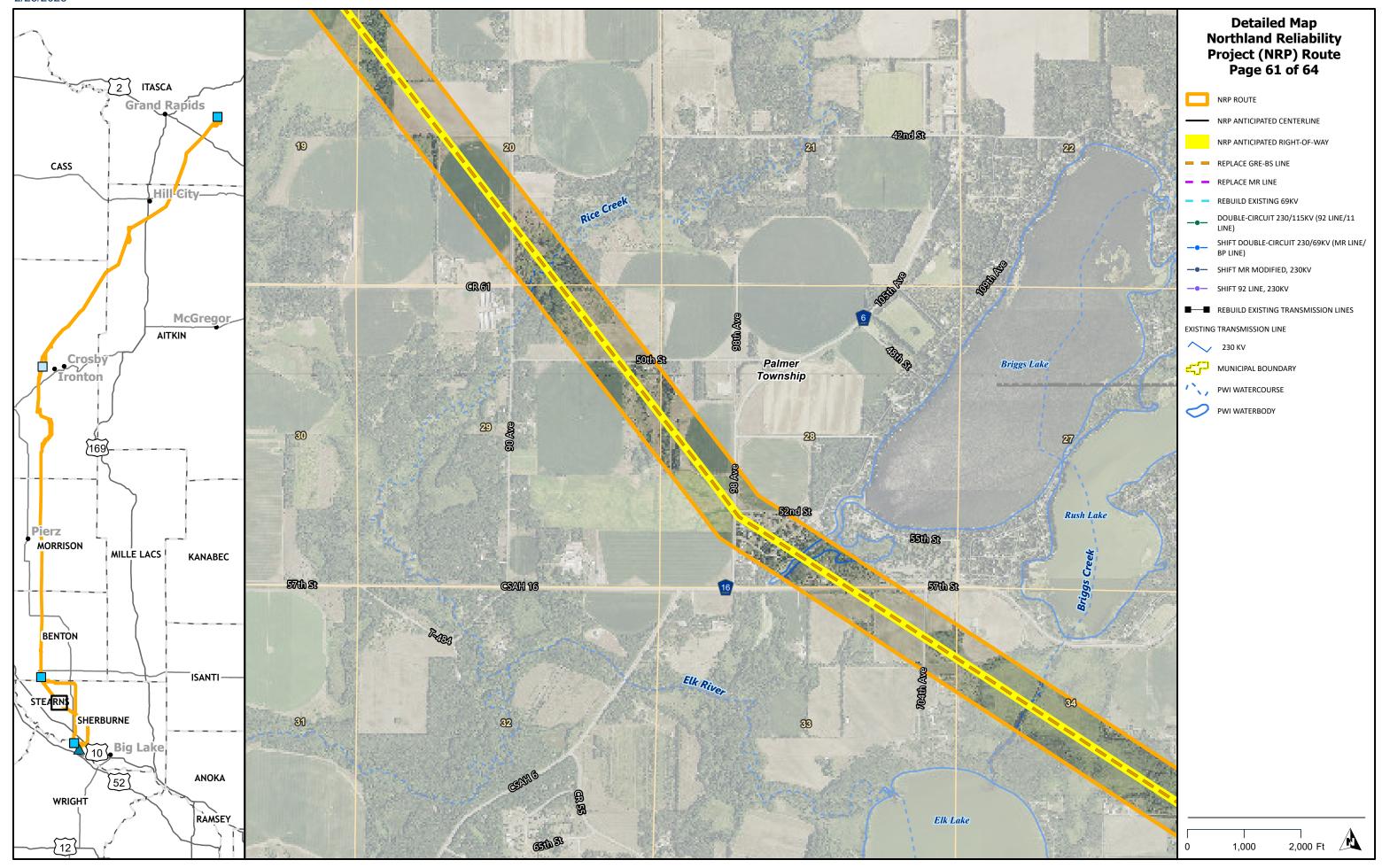


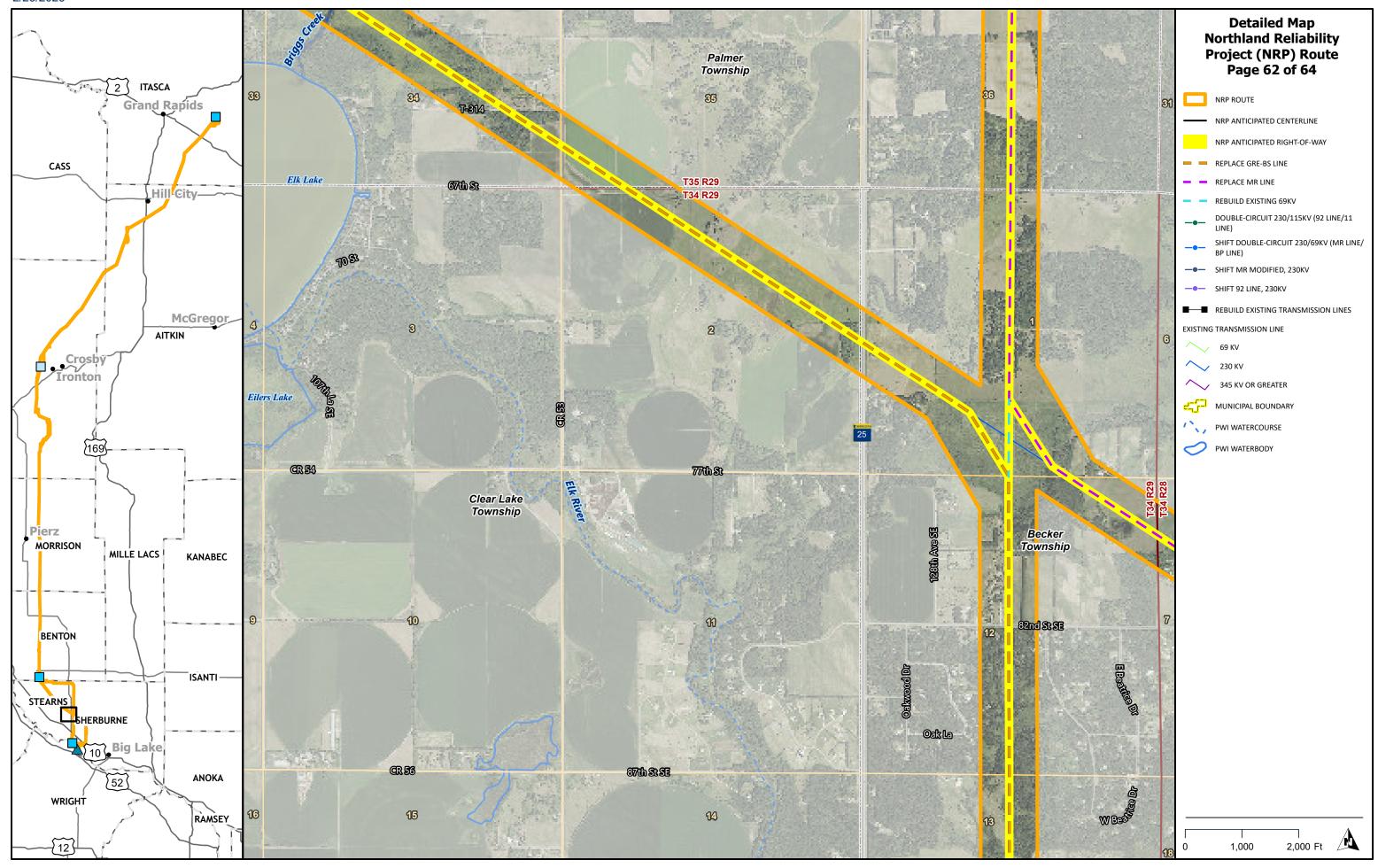


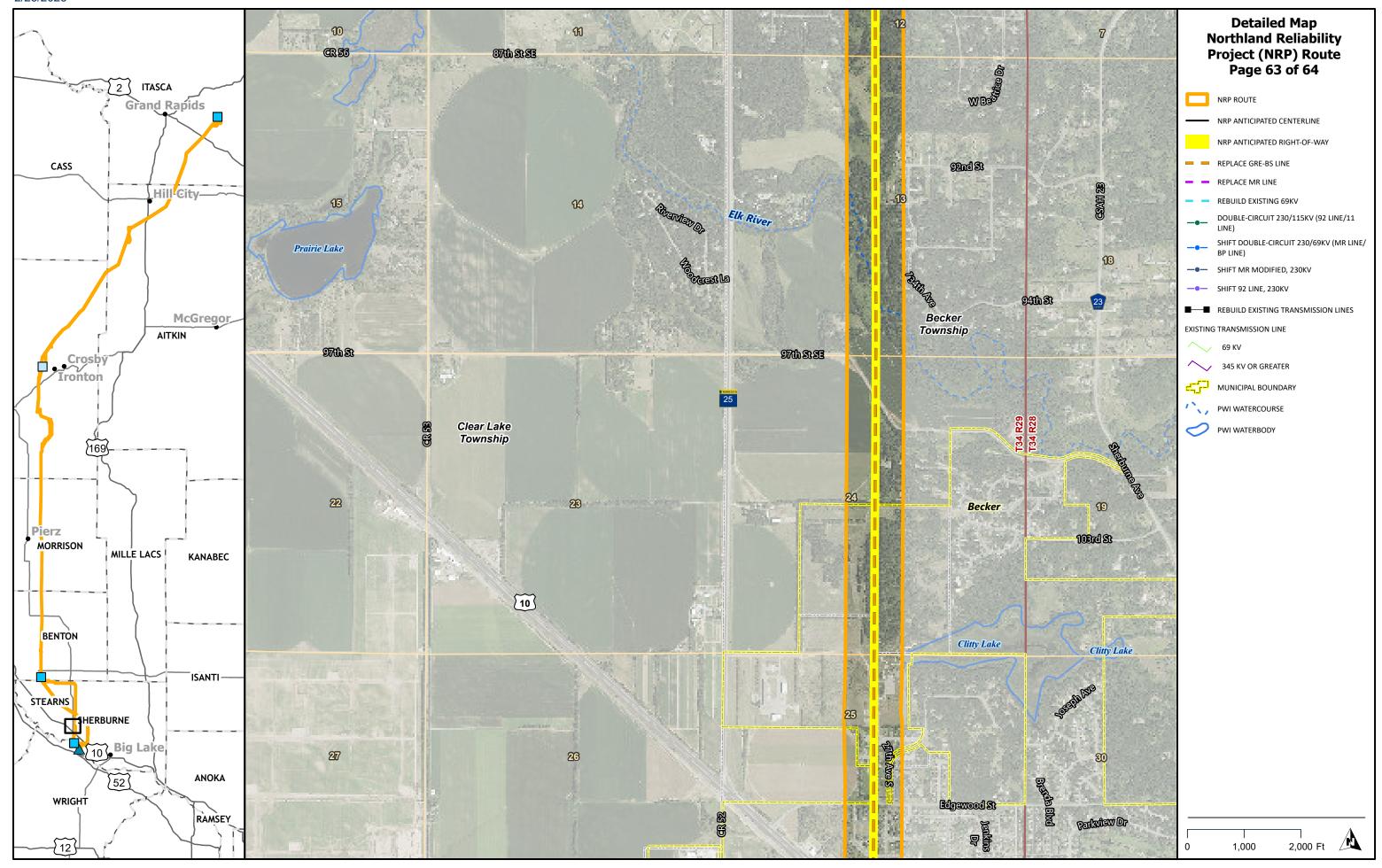


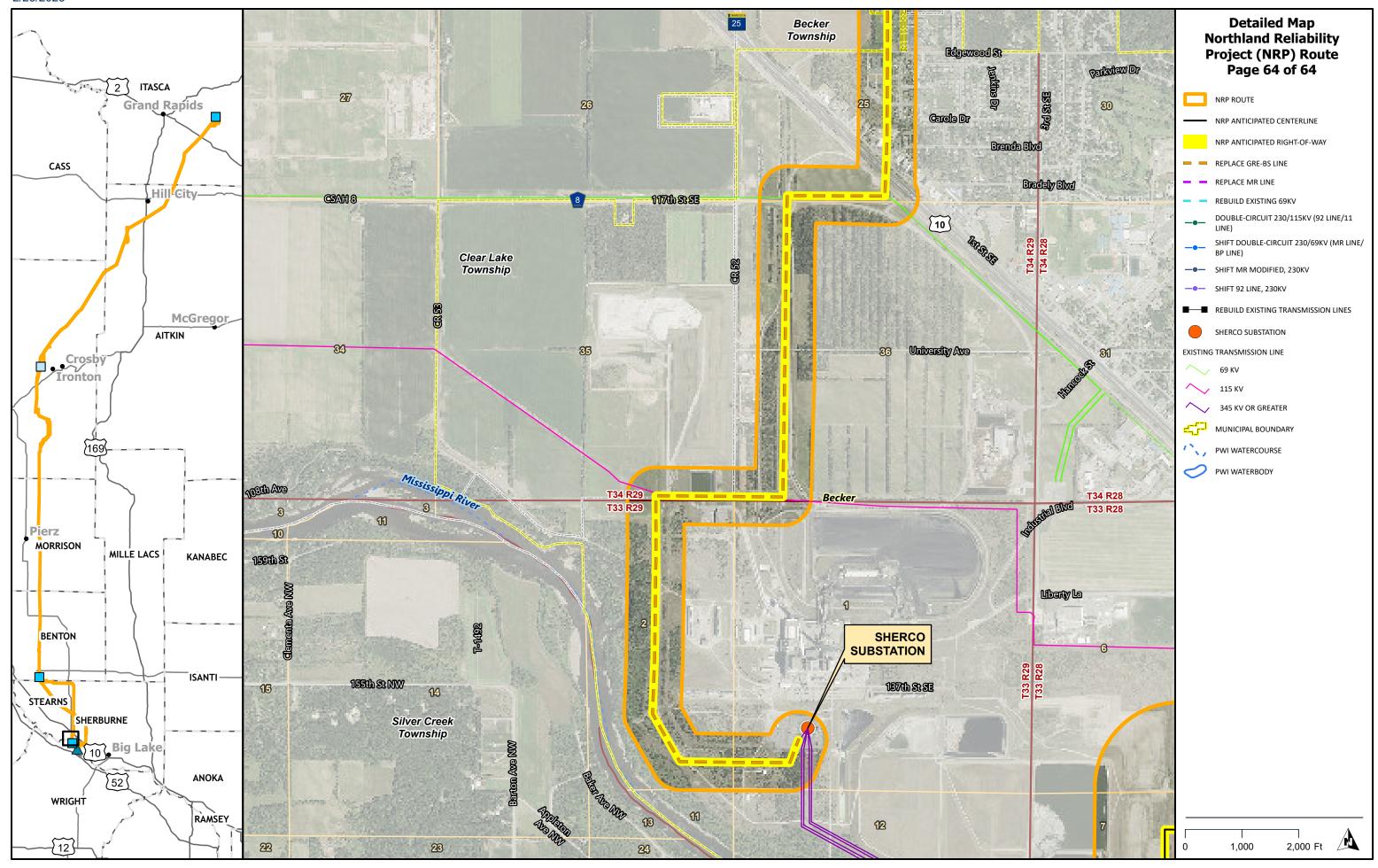












CERTIFICATE OF SERVICE

I, Anne Redmond, hereby certify that I have this day, served a true and correct copy of the following document to all persons at the addresses indicated below or on the attached list by electronic filing, electronic mail, courier, interoffice mail or by depositing the same enveloped with postage paid in the United States mail at St. Paul, Minnesota.

Minnesota Public Utilities Commission ORDER GRANTING CERTIFICATE OF NEED AND ISSUING ROUTE PERMIT

Docket Number **E-015**, **ET-2/CN-22-416**; **ET-2/TL-22-415** Dated this 28 day of February, 2025

/s/ Anne Redmond

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						55101-2198 United States				
14	Michelle F.	Bissonnette	michelle.bissonnette@hdrinc.com	HDR Engineering, Inc.		Golden Hills Office Center 701 Xenia Ave S Ste 600 Minneapolis MN, 55416 United States	Electronic Service		No	22- 416Official
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						55772 United States				
26	Michael	Childs, Jr.	michael.childsjr@piic.org	Prairie Island Indian Community		Prairie Island Indian Community 5636 Sturgeon Lake Road Welch MN, 55089 United States	Electronic Service		No	22- 416Official
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51	Matthew	Ellis	mellis@grenergy.com	Great River Energy		null null, null	Electronic Service		No	22- 416Official

#	First Name	Last Name	Email	Organization	Agency	Address United States	Delivery Method	Alternate Delivery Method	View Trade Secret	Service List Name
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63	Gary	Frazer	gfrazer@mnchippewatribe.org	Minnesota Chippewa Tribe		PO Box 217 Cass Lake MN, 56633 United States	Electronic Service		No	22- 416Official
64	Docketing	Fredlaw	docketing@fredlaw.com	Fredrickson & Byron		200 S 6th St, Suite 4000 Minneapolis MN, 55402 United States	Electronic Service		No	22- 416Official
65	Daryll	Fuentes	energy@usg.com	USG Corporation		550 W Adams St Chicago IL, 60661 United States	Electronic Service		No	22- 416Official
66	Mary Ann	Gagnon	maryanng@grandportage.com	Grand Portage Band of Ojibwe		PO Box 428 Grand Portage MN,	Electronic Service		No	22- 416Official

#	First Name	Last Name	Email	Organization	Agency	Address	Delivery Method	Alternate Delivery Method	View Trade Secret	Service List Name
						55605 United States				
67	Karen A	Gebhardt	kageb1@gvtel.com			43901 253rd Ave Leonard MN, 56652-4026 United States	Electronic Service		No	22- 416Official
68	Shannon	Geshick	shannon.geshick@state.mn.us	Minnesota Indian Affairs Council (MIAC)		null null, null United States	Electronic Service		No	22- 416Official
69	Tara	Geshick		Bois Forte Band of Chippewa Tribal Government		5344 Lakeshore Drive Nett Lake MN, 55772 United States	Paper Service		No	22- 416Official
70	Todd	Green	todd.a.green@state.mn.us		Minnesota Department of Labor & Industry	443 Lafayette Rd N St. Paul MN, 55155-4341 United States	Electronic Service		No	22- 416Official
71	Todd J.	Guerrero	todd.guerrero@kutakrock.com	Kutak Rock LLP		Suite 1750 220 South Sixth Street Minneapolis MN, 55402- 1425 United States	Electronic Service		No	22- 416Official
72	Jeremy	Hamilton	jhamilton@uppersiouxcommunity- nsn.gov	Upper Sioux Community		Upper Sioux Community PO Box 147 Granite Falls MN, 56241 United States	Electronic Service		No	22- 416Official
73	Ashley	Harrison	ashley.harrison@llojibwe.net	Leech Lake Band of Ojibwe		190 Sailstar Dr NW Cass Lake MN, 56633 United States	Electronic Service		No	22- 416Official
74	Larry	Hartman	larry.hartman@state.mn.us		Department of Commerce	85 7th Place East, Suite 280 St. Paul MN, 55101 United States	Electronic Service		No	22- 416Official
75	Amy	Hastings	amyh@uppersiouxcommunity-nsn.gov	Upper Sioux Community		5722 Travers Lane PO Box 147 Granite Falls MN, 56241 United States	Electronic Service		No	22- 416Official
76	Adam	Heinen	aheinen@dakotaelectric.com	Dakota Electric Association		4300 220th St W Farmington MN, 55024 United States	Electronic Service		No	22- 416Official
77	Annete	Henkel	mui@mnutilityinvestors.org	Minnesota Utility Investors		413 Wacouta Street #230 St.Paul MN, 55101 United States	Electronic Service		No	22- 416Official
78	Valerie	Herring	vherring@taftlaw.com	Taft Stettinius & Hollister LLP		2200 IDS Center 80 S. Eighth Street Minneapolis MN, 55402 United States	Electronic Service		No	22- 416Official
79	Corey	Hintz	chintz@dakotaelectric.com	Dakota Electric Association		4300 220th Street Farmington MN, 55024- 9583 United States	Electronic Service		No	22- 416Official

#	First Name	Last Name	Email	Organization	Agency	Address	Delivery Method	Alternate Delivery Method	View Trade Secret	Service List Name
80	Michael	Норре	lu23@ibew23.org	Local Union 23, I.B.E.W.		445 Etna Street Ste. 61 St. Paul MN, 55106 United States	Electronic Service		No	22- 416Official
81	Kari	Howe	kari.howe@state.mn.us		DEED	Minnesota St, #E200 1ST National Bank Bldg St. Paul MN, 55101 United States	Electronic Service		No	22- 416Official
82	Lori	Hoyum	lhoyum@mnpower.com	Minnesota Power		30 West Superior Street Duluth MN, 55802 United States	Electronic Service		No	22- 416Official
83	Annie	Jackson	cheryl.jackson@whiteearth-nsn.gov	White Earth Nation		White Earth Tribal Headquarters 35500 Eagle View Road Ogemo MN, 56569 United States	Electronic Service		No	22- 416Official
84	Faron	Jackson, Sr.	faron.jackson@llojibwe.net			190 Sailstar Drive NW Cass Lake MN, 56633 United States	Electronic Service		No	22- 416Official
85	Travis	Jacobson	travis.jacobson@mdu.com	Great Plains Natural Gas Company		400 N 4th St Bismarck ND, 58501 United States	Electronic Service		No	22- 416Official
86	Craig	Janezich	craig.janezich@state.mn.us		Public Utilities Commission	121 7th PI E #350 St. Paul MN, 55101 United States	Electronic Service		No	22- 416Official
87	Alan	Jenkins	aj@jenkinsatlaw.com	Jenkins at Law		2950 Yellowtail Ave. Marathon FL, 33050 United States	Electronic Service		No	22- 416Official
88	Kevin	Jensvold	kevinj@uppersiouxcommunity-nsn.gov	Upper Sioux Community		PO Box 147 Granite Falls MN, 56241- 0147 United States	Electronic Service		No	22- 416Official
89	Jody	Johnson	jody.johnson@piic.org	Prairie Island Indian Community		5636 Sturgeon Lake Rd Welch MN, 55089 United States	Electronic Service		No	22- 416Official
90	Johnny	Johnson	johnny.johnson@piic.org	Prairie Island Indian Community		5636 Sturgeon Lake Road Welch MN, 55089 United States	Electronic Service		No	22- 416Official
91	Richard	Johnson	rick.johnson@lawmoss.com	Moss & Barnett		150 S. 5th Street Suite 1200 Minneapolis MN, 55402 United States	Electronic Service		No	22- 416Official
92	Scott	Johnson	scott.johnson@ci.medina.mn.us	City of Medina		2052 County Road 24 Medina MN, 55340-9790 United States	Electronic Service		No	22- 416Official
93	Sarah	Johnson Phillips	sjphillips@stoel.com	Stoel Rives LLP		33 South Sixth Street	Electronic Service		No	22- 416Official

#	First Name	Last Name	Email	Organization	Agency	Address	Delivery Method	Alternate Delivery Method	View Trade Secret	Service List Name
						Suite 4200 Minneapolis MN, 55402 United States				
94	Michael	Kaluzniak	mike.kaluzniak@state.mn.us		Public Utilities Commission	Suite 350 121 Seventh Place East St. Paul MN, 55101 United States	Electronic Service		No	22- 416Official
95	Nick	Kaneski	nick.kaneski@enbridge.com	Enbridge Energy Company, Inc.		11 East Superior St Ste 125 Duluth MN, 55802 United States	Electronic Service		No	22- 416Official
96	Tom	Karas	tomskaras@gmail.com			3171 309th Ave NW Cambridge MN, 55008 United States	Electronic Service		No	22- 416Official
97	Bruce	King	brenda@ranww.org	Realtors, Association of Northwestern WI		Suite 3 1903 Keith Street Eau Claire WI, 54701 United States	Electronic Service		No	22- 416Official
98	Raymond	Kirsch	raymond.kirsch@state.mn.us		Department of Commerce	85 7th Place E Ste 500 St. Paul MN, 55101 United States	Electronic Service		No	22- 416Official
99	Chad	Konickson	chad.konickson@usace.army.mil	U.S.Army Corps of Engineers		Minnesota St. Suite E1500 Saint Paul MN, 55101 United States	Electronic Service		No	22- 416Official
100	Stacy	Kotch Egstad	stacy.kotch@state.mn.us		MINNESOTA DEPARTMENT OF TRANSPORTATION	395 John Ireland Blvd. St. Paul MN, 55155 United States	Electronic Service		No	22- 416Official
101	Michael	Krikava	mkrikava@taftlaw.com	Taft Stettinius & Hollister LLP		2200 IDS Center 80 S 8th St Minneapolis MN, 55402 United States	Electronic Service		No	22- 416Official
102	Nicolle	Kupser	nkupser@greatermngas.com	Greater Minnesota Gas, Inc.		1900 Cardinal Ln PO Box 798 Faribault MN, 55021 United States	Electronic Service		No	22- 416Official
103	Mike	Laroque	mike.laroque@whiteearth-nsn.gov	White Earth Nation		PO Box 418 White Earth MN, 56591 United States	Electronic Service		No	22- 416Official
104	Robert L	Larsen	robert.larsen@lowersioux.com	Lower Sioux Indian Community		PO Box 308 39527 Reservation Highway 1 Morton MN, 56270 United States	Electronic Service		No	22- 416Official
105	James D.	Larson	james.larson@avantenergy.com	Avant Energy Services		220 S 6th St Ste 1300 Minneapolis MN, 55402 United States	Electronic Service		No	22- 416Official
106	Peder	Larson	plarson@larkinhoffman.com	Larkin Hoffman Daly & Lindgren, Ltd.		8300 Norman Center Drive Suite 1000 Bloomington MN, 55437 United States	Electronic Service		No	22- 416Official

#	First Name	Last Name	Email	Organization	Agency	Address	Delivery Method	Alternate Delivery Method	View Trade Secret	Service List Name
107	Dan	Lesher	dlesher@grenergy.com	Great River Energy		12300 Elm Creek Blvd Maple Grove MN, 55369 United States	Electronic Service		No	22- 416Official
108	Eric	Lipman	eric.lipman@state.mn.us		Office of Administrative Hearings	PO Box 64620 St. Paul MN, 55164-0620 United States	Electronic Service		No	22- 416Official
109	Jason	Loos	jason.loos@centerpointenergy.com	CenterPoint Energy Resources Corp.		505 Nicollet Mall 3rd Floor Minneapolis MN, 55402 United States	Electronic Service		No	22- 416Official
110	Susan	Ludwig	sludwig@mnpower.com	Minnesota Power		30 West Superior Street Duluth MN, 55802 United States	Electronic Service		No	22- 416Official
111	Vernelle	Lussier	vernelle.lussier@redlakenation.org	Red Lake Nation		15484 Migizi Drive Red Lake MN, 56671 United States	Electronic Service		No	22- 416Official
112	Kavita	Maini	kmaini@wi.rr.com	KM Energy Consulting, LLC		961 N Lost Woods Rd Oconomowoc WI, 53066 United States	Electronic Service		No	22- 416Official
113	Dawn S	Marsh	dawn_marsh@fws.gov	U.S. Fish & Wildlife Service		Minnesota- Wisconsin Field Offices 4101 American Blvd E Bloomington MN, 55425 United States	Electronic Service		No	22- 416Official
114	Shena	Matrious	shena.matrious@millelacsband.com	Mille Lacs Band of Ojibwe		43408 Oodena Drive Onamia MN, 56349 United States	Electronic Service		No	22- 416Official
115	April	McCormick	aprilm@grandportage.com	Grand Portage Band of Lake Superior Chippewa		PO Box 428 Grand Portage MN, 55605 United States	Electronic Service		No	22- 416Official
116	Brian	Meloy	bmeloy@grenergy.com	Great River Energy		12300 Elm Creek Blvd Maple Grove MN, 55369 United States	Electronic Service		No	22- 416Official
117	Joseph	Meyer	joseph.meyer@ag.state.mn.us		Office of the Attorney General - Residential Utilities Division	Bremer Tower, Suite 1400 445 Minnesota Street St Paul MN, 55101-2131 United States	Electronic Service		No	22- 416Official
118	Valentina	Mgeni	valentina.mgeni@piic.org	Prairie Island Indian Community		Prairie Island Indian Community 5636 Sturgeon Lake Road Welch MN, 55089 United States	Electronic Service		No	22- 416Official
119	Kimberly	Middendorf	kimberly.middendorf@state.mn.us		Office of Administrative Hearings	PO Box 64620 600 Robert St N	Electronic Service		Yes	22- 416Official

#	First Name	Last Name	Email	Organization	Agency	Address	Delivery Method	Alternate Delivery Method	View Trade Secret	Service List Name
						Saint Paul MN, 55164- 0620 United States				
120	Cole W.	Miller	cole.miller@shakopeedakota.org	Shakopee Mdewakanton Sioux Community		Shakopee Mdewakanton Sioux Community 2330 Sioux Trail NW Prior Lake MN, 55372 United States	Electronic Service		No	22- 416Official
121	Stacy	Miller	stacy.miller@minneapolismn.gov	City of Minneapolis		350 S. 5th Street Room M 301 Minneapolis MN, 55415 United States	Electronic Service		No	22- 416Official
122	David	Moeller	dmoeller@allete.com	Minnesota Power			Electronic Service		No	22- 416Official
123	Andrew	Moratzka	andrew.moratzka@stoel.com	Stoel Rives LLP		33 South Sixth St Ste 4200 Minneapolis MN, 55402 United States	Electronic Service		No	22- 416Official
124	Travis	Morrision	travis.morrison@boisforte-nsn.gov	Bois Forte Band of Chippewa		Bois Forte Tribal Government 5344 Lakeshore Drive Nett Lake MN, 55772 United States	Electronic Service		No	22- 416Official
125	Robert	Moyer, Jr.	rmoyer@boisforte-nsn.gov	Bois Forte Band of Chippewa Tribal Government		5344 Lakeshore Drive Nett Lake MN, 55772 United States	Electronic Service		No	22- 416Official
126	Colleen	Mueller				22186 State Hwy 4 Paynesville MN, 56362 United States	Paper Service		No	22- 416Official
127	Sonny	Myers	smyers@1854treatyauthority.org	1854 Treaty Authority		4428 Haines Rd Duluth MN, 55811-1524 United States	Electronic Service		No	22- 416Official
128	Dan	Nelson	dan.nelson@isginc.com	I&S Group		115 E Hickory St Ste 300 Mankato MN, 56001 United States	Electronic Service		No	22- 416Official
129	David	Niles	david.niles@avantenergy.com	Minnesota Municipal Power Agency		220 South Sixth Street Suite 1300 Minneapolis MN, 55402 United States	Electronic Service		No	22- 416Official
130	Samantha	Norris	samanthanorris@alliantenergy.com	Interstate Power and Light Company		200 1st Street SE PO Box 351 Cedar Rapids IA, 52406- 0351 United States	Electronic Service		No	22- 416Official
131	Joseph	OBrien	joey.obrien@lowersioux.com			39527 Highway 1 Morton MN, 56270 United States	Electronic Service		No	22- 416Official
132	Samantha	Odegard	samanthao@uppersiouxcommunity- nsn.gov			PO Box 147 Granite Falls	Electronic Service		No	22- 416Official

#	First Name	Last Name	Email	Organization	Agency	Address	Delivery Method	Alternate Delivery Method	View Trade Secret	Service List Name
						MN, 56241 United States				
133	Matthew	Olsen	molsen@otpco.com	Otter Tail Power Company		215 South Cascade Street Fergus Falls MN, 56537 United States	Electronic Service		No	22- 416Official
134	Carol A.	Overland	overland@legalectric.org	Legalectric - Overland Law Office		1110 West Avenue Red Wing MN, 55066 United States	Electronic Service		No	22- 416Official
135	Greg	Palmer	gpalmer@greatermngas.com	Greater Minnesota Gas, Inc.		1900 Cardinal Ln PO Box 798 Faribault MN, 55021 United States	Electronic Service		No	22- 416Official
136	Earl	Pendleton	earl.pendleton@lowersioux.com	Lower Sioux Indian Community		39527 Highway 1 Morton MN, 56270 United States	Electronic Service		No	22- 416Official
137	Jennifer	Peterson	jjpeterson@mnpower.com	Minnesota Power		30 West Superior Street Duluth MN, 55802 United States	Electronic Service		No	22- 416Official
138	Kevin	Peterson	kjp@ibew160.org			1109 Northway Lane NE Rochester MN, 55906 United States	Electronic Service		No	22- 416Official
139	Catherine	Phillips	catherine.phillips@wecenergygroup.com	Minnesota Energy Resources		231 West Michigan St Milwaukee WI, 53203 United States	Electronic Service		No	22- 416Official
140	Angela	Piner	angela.piner@hdrinc.com	HDR, Inc.		Suite 600 701 Xenia Avenue South Suite 600 Minneapolis MN, 55416 United States	Electronic Service		No	22- 416Official
141	Joe	Plumer	joe.plumer@redlakenation.org	Red Lake Nation		15484 Migizi Drive Red Lake MN, 56671 United States	Electronic Service		No	22- 416Official
142	Andre	Porter	misolegal@misoenergy.org	MISO		720 City Center Drive Carmel IN, 46032 United States	Electronic Service		No	22- 416Official
143	Kevin	Pranis	kpranis@liunagroc.com	Laborers' District Council of MN and ND		81 E Little Canada Road St. Paul MN, 55117 United States	Electronic Service		No	22- 416Official
144	Robert	Prescott	bob.prescott@lowersioux.com	Lower Sioux Indian Community		39527 Highway 1 Morton MN, 56270 United States	Electronic Service		No	22- 416Official
145	Larry	Rebman	larryemls@hotmail.com	EMLS, Inc		PO Box 122 Appleton MN, 56208 United States	Electronic Service		No	22- 416Official
146	Generic Notice	Residential Utilities Division	residential.utilities@ag.state.mn.us		Office of the Attorney General - Residential Utilities Division	1400 BRM Tower 445 Minnesota St St. Paul MN,	Electronic Service		Yes	22- 416Official

#	First Name	Last Name	Email	Organization	Agency	Address	Delivery Method	Alternate Delivery Method	View Trade Secret	Service List Name
						55101-2131 United States				
147	Kevin	Reuther	kreuther@mncenter.org	MN Center for Environmental Advocacy		26 E Exchange St, Ste 206 St. Paul MN, 55101-1667 United States	Electronic Service		No	22- 416Official
148	Margaret	Rheude	margaret_rheude@fws.gov	U.S. Fish and Wildlife Service		Twin Cities Ecological Services Field Office 4101 American Blvd. E. Bloomington MN, 55425 United States	Electronic Service		No	22- 416Official
149	Susan	Romans	sromans@allete.com	Minnesota Power		30 West Superior Street Legal Dept Duulth MN, 55802 United States	Electronic Service		No	22- 416Official
150	Stephan	Roos	stephan.roos@state.mn.us		Minnesota Department of Agriculture	625 Robert St N Saint Paul MN, 55155- 2538 United States	Electronic Service		No	22- 416Official
151	Bill	Rudnicki	bill.rudnicki@shakopeedakota.org	Shakopee Mdewakanton Sioux Community		Shakopee Mdewakanton Sioux Community 2330 Sioux Trail NW Prior Lake MN, 55372 United States	Electronic Service		No	22- 416Official
152	Nathaniel	Runke	nrunke@local49.org			611 28th St. NW Rochester MN, 55901 United States	Electronic Service		No	22- 416Official
153	Miranda	Sam	miranda.sam@lowersioux.com	Lower Sioux Indian Community		39527 Reservation Highway 1 PO Box 308 Morton MN, 56270 United States	Electronic Service		No	22- 416Official
154	Adam	Savariego	adams@uppersiouxcommunity-nsn.gov	Upper Sioux Community		5722 Travers Lane PO Box 147 Granite Falls MN, 56241 United States	Electronic Service		No	22- 416Official
155	Elizabeth	Schmiesing	eschmiesing@winthrop.com	Winthrop & Weinstine, P.A.		225 South Sixth Street Suite 3500 Minneapolis MN, 55402 United States	Electronic Service		No	22- 416Official
156	Christine	Schwartz	regulatory.records@xcelenergy.com	Xcel Energy		414 Nicollet Mall FL 7 Minneapolis MN, 55401- 1993 United States	Electronic Service		No	22- 416Official
157	Jessie	Seim	jessie.seim@piic.org	Prairie Island Indian Community		5636 Sturgeon Lake Rd Welch MN, 55089 United States	Electronic Service		No	22- 416Official
158	Darrell	Seki, Sr.	dseki@redlakenation.org			15484 Migizi Drive	Electronic Service		No	22- 416Official

#	First Name	Last Name	Email	Organization	Agency	Address	Delivery	Alternate Delivery Method		Service List Name
						Red Lake MN, 56671 United States				
159	Will	Seuffert	will.seuffert@state.mn.us		Public Utilities Commission	121 7th PI E Ste 350 Saint Paul MN, 55101 United States	Electronic Service		Yes	22- 416Official
160	Janet	Shaddix Elling	jshaddix@janetshaddix.com	Shaddix And Associates		7400 Lyndale Ave S Ste 190 Richfield MN, 55423 United States	Electronic Service			22- 416Official
161	Tom	Slukich	tom@nationalconductor.com	National Conductor Constructors		18119 Hwy 371 North Brainderd MN, 56401 United States	Electronic Service		No	22- 416Official
162	Joel	Smith	jsmith@mnchippewatribe.org	Minnesota Chippewa Tribe		PO Box 217 Cass Lake MN, 56633 United States	Electronic Service		No	22- 416Official
163	Ken	Smith	ken.smith@districtenergy.com	District Energy St. Paul Inc.		76 W Kellogg Blvd St. Paul MN, 55102 United States	Electronic Service			22- 416Official
164	Nizhoni	Smith	nizhoni.smith@lowersioux.com	Lower Sioux Indian Community		PO Box 308 39527 Reservation Highway 1 Morton MN, 56270 United States	Electronic Service		No	22- 416Official
165	Roger	Smith, Sr.	rogermsmithsr@fdlrez.com			1720 Big Lake Road Cloquet MN, 55720 United States	Electronic Service		No	22- 416Official
166	Adam	Sokolski	adam.sokolski@edf-re.com	EDF Renewable Energy		10 Second Street NE Ste 400 Minneapolis MN, 55410 United States	Electronic Service			22- 416Official
	Eugene	Sommers	eugene.sommers@whiteearth-nsn.gov	White Earth Nation		PO BOX 418 White Earth MN, 56591 United States	Electronic Service			22- 416Official
	Peggy	Sorum	peggy.sorum@centerpointenergy.com	CenterPoint Energy		505 Nicollet Mall Minneapolis MN, 55402 United States	Electronic Service			22- 416Official
169	Marie	Spry	mariespry@grandportage.com			PO Box 428 Grand Portage MN, 55605 United States	Electronic Service			22- 416Official
170	Cheyanne	St. John	cheyanne.stjohn@lowersioux.com	Lower Sioux Tribal Community		39527 Reservation Hwy 1 Morton MN, 56270 United States	Electronic Service			22- 416Official
171	LeRoy	Staples Fairbanks III	leroy.fairbanks@llojibwe.net	Leech Lake Band of Ojibwe		190 Sailstar Drive NW Cass Lake MN, 56633 United States	Electronic Service		No	22- 416Official
172	Byron E.	Starns	byron.starns@stinson.com	STINSON LLP		50 S 6th St Ste 2600 Minneapolis MN, 55402 United States	Electronic Service			22- 416Official

	First Name	Last Name	Email	Organization	Agency	Address	Delivery Method	Alternate Delivery Method		Service List Name
173	Kristin	Stastny	kstastny@taftlaw.com	Taft Stettinius & Hollister LLP		2200 IDS Center 80 South 8th Street Minneapolis MN, 55402 United States	Electronic Service		No	22- 416Official
174	Toby	Stephens	tobys@grandportage.com	Grand Portage Band of Lake Superior Chippewa		PO BOX 428 Grand Portage MN, 55605 United States	Electronic Service			22- 416Official
175	Cary	Stephenson	cstephenson@otpco.com	Otter Tail Power Company		215 South Cascade Street Fergus Falls MN, 56537 United States	Electronic Service		No	22- 416Official
176	Mark	Strohfus	mstrohfus@grenergy.com	Great River Energy		12300 Elm Creek Boulevard Maple Grove MN, 55369- 4718 United States	Electronic Service			22- 416Official
177	Carl	Strohm	cjsmg@sbcglobal.net	SBC Global		105 East Edgewood Ave Indianapolis IN, 46227 United States	Electronic Service			22- 416Official
178	James M	Strommen	jstrommen@kennedy-graven.com	Kennedy & Graven, Chartered		150 S 5th St Ste 700 Minneapolis MN, 55402 United States	Electronic Service			22- 416Official
179	Samuel	Strong	sam.strong@redlakenation.org	Red Lake Nation		15484 Migizi Drive Red Lake MN, 56671 United States	Electronic Service			22- 416Official
180	Tom	Swafford	tswafford@umsi.us	Utility Mapping Services, Inc		3947 E Calvary Rd Suite 103 Duluth MN, 55803 United States	Electronic Service			22- 416Official
181	Eric	Swanson	eswanson@winthrop.com	Winthrop & Weinstine		225 S 6th St Ste 3500 Capella Tower Minneapolis MN, 55402- 4629 United States	Electronic Service			22- 416Official
182	Todd	Tadych	ttadych@atcllc.com	American Transmission Company LLC		5303 Fen Oak Dr Madison WI, 53718 United States	Electronic Service		No	22- 416Official
183	Camille	Tanhoff	kamip@uppersiouxcommunity-nsn.gov	Upper Sioux Community		5722 Travers Lane PO BOX 147 Granite Falls MN, 56241 United States	Electronic Service			22- 416Official
184	Stuart	Tommerdahl	stommerdahl@otpco.com	Otter Tail Power Company		215 S Cascade St PO Box 496 Fergus Falls MN, 56537 United States	Electronic Service		No	22- 416Official
185	Jayme	Trusty	execdir@swrdc.org	SWRDC		2401 Broadway Ave #1 Slayton MN, 56172	Electronic Service			22- 416Official

	First Name	Last Name	Email	Organization	Agency	Address	Delivery Method	Alternate Delivery Method	View Trade Secret	Service List Name
186	Caralyn	Trutna	carrie@uppersiouxcommunity-nsn.gov	Upper Sioux Community		Upper Sioux Community P.O. Box 147 Granite Falls MN, 55372 United States	Electronic Service		No	22- 416Official
187	Jen	Tyler	tyler.jennifer@epa.gov	US Environmental Protection Agency		Environmental Planning & Evaluation Unit 77 W Jackson Blvd. Mailstop B-19J Chicago IL, 60604-3590 United States	Electronic Service		No	22- 416Official
188	Kodi	Verhalen	kverhalen@taftlaw.com	Taft Stettinius & Hollister LLP		80 S 8th St Ste 2200 Minneapolis MN, 55402 United States	Electronic Service		No	22- 416Official
189	Leonard	Wabasha	leonard.wabasha@shakopeedakota.org	Shakopee Mdewakanton Sioux Community		2300 Tiwahe Circle Shakopee MN, 55379 United States	Electronic Service		No	22- 416Official
190	Haley	Waller Pitts	hwallerpitts@fredlaw.com	Fredrikson & Byron, P.A.		60 S Sixth St Ste 1500 Minneapolis MN, 55402- 4400 United States	Electronic Service		No	22- 416Official
191	Caren	Warner	caren.warner@state.mn.us		Department of Commerce	85 7th Place East Suite 280 St. Paul MN, 55101-2198 United States	Electronic Service		No	22- 416Official
192	Cynthia	Warzecha	cynthia.warzecha@state.mn.us	Minnesota Department of Natural Resources		500 Lafayette Road Box 25 St. Paul MN, 55155-4040 United States	Electronic Service		No	22- 416Official
193	Elizabeth	Wefel	eawefel@flaherty-hood.com	Missouri River Energy Services		525 Park St Ste 470 Saint Paul MN, 55103 United States	Electronic Service		No	22- 416Official
194	Heather	Westra	heather.westra@piic.org	Prairie Island Indian Community		5636 Sturgeon Lake Rd Welch MN, 55089 United States	Electronic Service		No	22- 416Official
195	Alan	Whipple	sa.property@state.mn.us		Minnesota Department Of Revenue	Property Tax Division 600 N. Robert Street St. Paul MN, 55146-3340 United States	Electronic Service		No	22- 416Official
196	Deanna	White	mncwa@cleanwater.org	Clean Water Action & Water Fund of MN		330 S 2nd Ave Ste 420 Minneapolis MN, 55401 United States	Electronic Service		No	22- 416Official
197	Noah	White	noah.white@piic.org	Prairie Island Indian Community		5636 Sturgeon Lake Road Welch MN, 55089 United States	Electronic Service		No	22- 416Official
198	Steve	White	steve.white@llojibwe.net	Leech Lake Band of Ojibwe		190 Sailstar Drive NW Cass Lake MN, 56633 United States	Electronic Service		No	22- 416Official

#	First Name	Last Name	Email	Organization	Agency	Address	Delivery Method	Alternate Delivery Method	View Trade Secret	Service List Name
199	Cody	Whitebear	cody.whitebear@piic.org	Prairie Island Indian Community		5636 Sturgeon Lake Road Welch MN, 55089 United States	Electronic Service		No	22- 416Official
200	Mike	Wilson	mike.wilson@millelacsband.com	Mille Lacs Band of Ojibwe		43408 Oodena Dr Onamia MN, 56359 United States	Electronic Service		No	22- 416Official
201	Virgil	Wind	virgil.wind@millelacsband.com	Mille Lacs Band of Ojibwe		43408 Oodena Drive Onamia MN, 56359 United States	Electronic Service		No	22- 416Official
202	Joseph	Windler	jwindler@winthrop.com	Winthrop & Weinstine		225 South Sixth Street, Suite 3500 Minneapolis MN, 55402 United States	Electronic Service		No	22- 416Official
203	Jonathan	Wolfgram	jonathan.wolfgram@state.mn.us		Office of Pipeline Safety	445 Minnesota St Ste 147 Woodbury MN, 55125 United States	Electronic Service		No	22- 416Official
204	Laurie	York	laurie.york@whiteearth-nsn.gov	White Earth Reservation Business Committee		PO Box 418 White Earth MN, 56591 United States	Electronic Service		No	22- 416Official
205	Kurt	Zimmerman	kwz@ibew160.org	Local Union #160, IBEW		2909 Anthony Ln St Anthony Village MN, 55418-3238 United States	Electronic Service		No	22- 416Official
206	Patrick	Zomer	pat.zomer@lawmoss.com	Moss & Barnett PA		150 S 5th St #1200 Minneapolis MN, 55402 United States	Electronic Service		No	22- 416Official

#	First Name	Last Name	Email	Organization	Agency	Address	Delivery Method	Alternate Delivery Method	View Trade Secret	Service List Name
1	Lisa	Agrimonti	lagrimonti@fredlaw.com	Fredrikson & Byron, P.A.		60 South Sixth Street Suite 1500 Minneapolis MN, 55402- 4400 United States	Electronic Service		No	22- 415Official
2	Jim	Atkinson	jbatkinson@allete.com	Minnesota Power		30 West Superior Street Duluth MN, 55802 United States	Electronic Service		No	22- 415Official
3	Matthew	Brodin	mbrodin@allete.com	Minnesota Power		30 West Superior Street Duluth MN, 55802 United States	Electronic Service		No	22- 415Official
4	Generic	Commerce Attorneys	commerce.attorneys@ag.state.mn.us		Office of the Attorney General - Department of Commerce	Minnesota Street Suite 1400 St. Paul MN, 55101 United States	Electronic Service		Yes	22- 415Official
5	MP Regulatory	Compliance	mpregulatorycompliance@mnpower.com	Minnesota Power		30 W Superior St. Duluth MN, 55802 United States	Electronic Service		No	22- 415Official
6	Brandon	Crawford	brandonc@cubminnesota.org	Citizens Utility Board of Minnesota		Minnesota St Ste W1360 St. Paul MN, 55101 United States	Electronic Service		No	22- 415Official
7	Richard	Dornfeld	richard.dornfeld@ag.state.mn.us		Office of the Attorney General - Department of Commerce	Minnesota Attorney General's Office 445 Minnesota Street, Suite 1800 Saint Paul MN, 55101 United States	Electronic Service		No	22- 415Official
8	Adam	Duininck	aduininck@ncsrcc.org	North Central States Regional Council of Carpenters		700 Olive Street St. Paul MN, 55130 United States	Electronic Service		No	22- 415Official
9	Bret	Eknes	bret.eknes@state.mn.us		Public Utilities Commission	Suite 350 121 7th Place East St. Paul MN, 55101- 2147 United States	Electronic Service		No	22- 415Official
10	Sharon	Ferguson	sharon.ferguson@state.mn.us		Department of Commerce	85 7th Place E Ste 280 Saint Paul MN, 55101- 2198 United States	Electronic Service		No	22- 415Official

	First Name	Last Name	Email	Organization	Agency	Address	Delivery Method	Alternate Delivery Method	Service List Name
	Zachary		zgolkowski@mnpower.com	Minnesota Power		30 W. Superior Street Duluth MN, 55802 United States	Electronic Service		22- 415Official
12	Abigail	Hencheck	ahencheck@mncenter.org	Minnesota Center for Environmental Advocacy		1919 University Ave W Suite 515 St. Paul MN, 55104 United States	Electronic Service		22- 415Official
13	Valerie	Herring	vherring@taftlaw.com	Taft Stettinius & Hollister LLP		2200 IDS Center 80 S. Eighth Street Minneapolis MN, 55402 United States	Electronic Service		22- 415Official
14	Brian	Hunker	bhunker@grenergy.com	Great River Energy		12300 Elm Creek Blvd Maple Grove MN, 55369 United States	Electronic Service		22- 415Official
15	Craig	Janezich	craig.janezich@state.mn.us		Public Utilities Commission	121 7th PI E #350 St. Paul MN, 55101 United States	Electronic Service		22- 415Official
16	Raymond	Kirsch	raymond.kirsch@state.mn.us		Department of Commerce	85 7th Place E Ste 500 St. Paul MN, 55101 United States	Electronic Service		22- 415Official
17	Stacy	Kotch Egstad	stacy.kotch@state.mn.us		MINNESOTA DEPARTMENT OF TRANSPORTATION	395 John Ireland Blvd. St. Paul MN, 55155 United States	Electronic Service		22- 415Official
18	Jennifer	Kuklenski	jkuklenski@mnpower.com	Minnesota Power		30 West Superior Street Duluth MN, 55082 United States	Electronic Service		22- 415Official
19	Dan	Lesher	dlesher@grenergy.com	Great River Energy		12300 Elm Creek Blvd Maple Grove MN, 55369 United States	Electronic Service		22- 415Official
20	Discovery	Manager	discoverymanager@mnpower.com	Minnesota Power		30 W Superior St Duluth MN, 55802 United States	Electronic Service		22- 415Official
21	John	McElfresh	john@bvgassistedliving.com			18323 County Road 22 Brainerd MN, 56401 United States	Electronic Service		22- 415Official

	First Name	Last Name	Email	Organization	Agency	Address	Delivery Method	Alternate Delivery Method	View Trade Secret	Service List Name
22	Brian	Meloy	bmeloy@grenergy.com	Great River Energy		12300 Elm Creek Blvd Maple Grove MN, 55369 United States	Electronic Service		No	22- 415Official
23	Kimberly	Middendorf	kimberly.middendorf@state.mn.us		Office of Administrative Hearings	PO Box 64620 600 Robert St N Saint Paul MN, 55164- 0620 United States	Electronic Service		No	22- 415Official
24	David	Moeller	dmoeller@allete.com	Minnesota Power			Electronic Service		No	22- 415Official
25	Carol A.	Overland	overland@legalectric.org	Legalectric - Overland Law Office		1110 West Avenue Red Wing MN, 55066 United States	Electronic Service		No	22- 415Official
26	Andre	Porter	misolegal@misoenergy.org	MISO		720 City Center Drive Carmel IN, 46032 United States	Electronic Service		No	22- 415Official
27	Kevin	Pranis	kpranis@liunagroc.com	Laborers' District Council of MN and ND		81 E Little Canada Road St. Paul MN, 55117 United States	Electronic Service		No	22- 415Official
28	Generic Notice	Residential Utilities Division	residential.utilities@ag.state.mn.us		Office of the Attorney General - Residential Utilities Division	1400 BRM Tower 445 Minnesota St St. Paul MN, 55101- 2131 United States	Electronic Service		Yes	22- 415Official
29	Nathaniel	Runke	nrunke@local49.org			611 28th St. NW Rochester MN, 55901 United States	Electronic Service		No	22- 415Official
30	Will	Seuffert	will.seuffert@state.mn.us		Public Utilities Commission	121 7th PI E Ste 350 Saint Paul MN, 55101 United States	Electronic Service		Yes	22- 415Official
31	Janet	Shaddix Elling	jshaddix@janetshaddix.com	Shaddix And Associates		7400 Lyndale Ave S Ste 190 Richfield MN, 55423 United States	Electronic Service		No	22- 415Official
32	Kodi	Verhalen	kverhalen@taftlaw.com	Taft Stettinius & Hollister LLP		80 S 8th St Ste 2200 Minneapolis MN, 55402 United States	Electronic Service		No	22- 415Official
33	Haley	Waller Pitts	hwallerpitts@fredlaw.com	Fredrikson & Byron, P.A.		60 S Sixth St Ste 1500 Minneapolis	Electronic Service		No	22- 415Official

#	First Name	Last Name	Email	Organization	Agency Ad		Delivery Method	Alternate Delivery Method	View Trade Secret	Service List Name
					440 Uni	1, 55402- 00 ited ates				
34	Cynthia	Warzecha	cynthia.warzecha@state.mn.us	Minnesota Department of Natural Resources	Roa Box St. MN 404 Uni	fayette ad x 25 Paul I, 55155-	Electronic Service		No	22- 415Official