

PPL CORPORATION, PPL RHODE ISLAND HOLDINGS, LLC,  
NATIONAL GRID USA, and THE NARRAGANSETT ELECTRIC COMPANY  
Docket No. D-21-09  
National Grid USA and The Narragansett Electric Company's  
Responses to Division's Second Set of Data Requests  
Issued on June 11, 2021

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**National Grid USA and The Narragansett Electric Company**  
**Division 2-1**

**Request:**

National Grid shares services across three states (Rhode Island, New York and Massachusetts). Please describe how PPL proposes to provide similar economies of scale once it takes ownership of Narragansett. Please provide any related studies or plans prepared by PPL that address the provision of shared service.

**Response:**

PPL Corporation and PPL Rhode Island Holdings, LLC have responded to this request in their response to Data Request Division 2-1.

**National Grid USA and The Narragansett Electric Company**  
Division 2-2

Request:

Referencing Mr. Sobolewski's testimony at page 10, lines 6-8, discussing National Grid's petition filed with the Massachusetts Department of Public Utilities (DPU), please explain what the impact to the Transaction would be if the Massachusetts DPU rejects that petition.

Response:

The Massachusetts Department of Public Utilities ("Department") is not likely to reject National Grid USA's petition for waiver of jurisdiction pursuant to Massachusetts General Laws Chapter 164, Section 96(c) because to do so would cause the Department to open an adjudicatory proceeding to determine whether PPL Rhode Island Holdings, LLC's acquisition of The Narragansett Electric Company from National Grid USA (the "Transaction") is consistent with the public interest under Massachusetts General Laws Chapter 164, Section 96(c). It is unlikely that the Department would expend its valuable time and resources to conduct an adjudication of a proposed transaction that does not directly involve a Massachusetts electric or gas utility. For Massachusetts, the impact of the Transaction is limited to a potential cost impact, which the statute directly addresses through the waiver provision.

Instead, the more efficient procedural path open to the Department, if it has concerns, is to condition its approval of the waiver to incorporate customer protections deemed necessary by the Department for the waiver. In the proceeding, National Grid has made commitments consistent with Department precedent to protect the interests of customers in future ratemaking proceedings, and there is no indication to date that the Department has any specific concerns; however, this procedural alternative remains open to the Department.

Approval of the Massachusetts petition is addressed in Sections 5.4, 6.3(b), and 7.1(b) of the Share Purchase Agreement attached as Exhibit A to the pre-filed Direct Testimony of Vincent Sorgi.



**National Grid USA and The Narragansett Electric Company**  
Division 2-3

Request:

Referring to paragraph 11 of the Petition, please:

- a. provide the expected accounting entries by PPL Rhode Island and National Grid USA to book PPL Rhode Island's purchase of all of National Grid USA's equity interests in Narragansett;
- b. explain why PPL Rhode Island and National Grid USA have agreed to make an election under section 338(h)(10) of the Internal Revenue Code to have the Transaction treated as an asset sale for federal income tax purposes, given that the Transaction is structured as a purchase by PPL Rhode Island of all of National Grid USA's equity interests in Narragansett; and
- c. describe the effects of that election to have the Transaction treated as an asset sale for federal income tax purposes. The response should include, but not be limited to, the effect of this election on the balances of the Narragansett's accumulated deferred income taxes existing at the time of the Transaction.

Response:

- a. Upon the close of PPL Rhode Island Holdings, LLC's ("PPL Rhode Island") acquisition of The Narragansett Electric Company ("Narragansett") from National Grid USA (the "Transaction"), National Grid USA will deconsolidate its equity interests in Narragansett, which will be based on the financial position on that date. Additionally, see the tax entries discussed in response to part (c) below. All purchase accounting entries will be prepared and booked by PPL Rhode Island.
- b. National Grid USA and PPL agreed to make a joint election under section 338(h)(1) of the Internal Revenue Code as a preferred structure within the overall context of the transaction. The effect of the election will be to increase the tax basis in the target assets to fair market value so that the fair market value of the acquired assets is approximately equal to the book values of such assets, as of the closing date.
- c. The effect of the election to have the Transaction treated as an asset sale for federal income tax purposes is Narragansett's recognition of federal income tax gain for the difference between proceeds received plus liabilities assumed less the tax basis in net assets. This results in a reversal of all Narragansett's deferred income taxes, bringing the

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balance in the accumulated deferred income taxes existing at the time of the Transaction to zero.

**National Grid USA and The Narragansett Electric Company**  
Division 2-4

Request:

Referring to paragraph 45 of the Petition, if the Transaction is not approved by the beginning of the heating season for Narragansett's gas business, will the purchase price be adjusted?

Response:

No, there will not be an adjustment to the purchase price for the reason that PPL Rhode Island Holdings, LLC's ("PPL Rhode Island") acquisition of The Narragansett Electric Company ("Narragansett") from National Grid USA (the "Transaction") was not approved by the beginning of the heating season. Instead, an approval and closing that coincides with the beginning of the 2021-22 heating season for Narragansett's gas business (i.e., November 1, 2021) is in the best interest of customers because it will grant PPL Rhode Island control of the gas business with National Grid USA's support under the Transition Services Agreement for at least one and potentially two full heating seasons. Additionally, an approval and closing by November 1, 2021, will allow for a smoother transition between the National Grid USA and PPL Corporation for reporting of financial information in 2021 and 2022.

Although the base purchase price would not be adjusted for the reason that the Transaction was not approved by the beginning of the heating season, the Share Purchase Agreement includes a mechanism for adjusting the purchase price based on a true up to an agreed upon level of working capital and net indebtedness, which will either add to, or deduct from, the purchase price at closing. Because working capital and net indebtedness fluctuate from month to month and are not always predictable, the ultimate date of the closing of the Transaction will impact the adjustment amount.

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**National Grid USA and The Narragansett Electric Company**  
Division 2-5

Request:

Please provide any estimate of future cost savings, efficiencies, and/or synergies prepared by or for the Applicants as a result of the proposed Transaction. The response should include all supporting documentation.

Response:

Please see PPL Corporation and PPL Rhode Island Holdings, LLC's response to Data Request Division 2-5 for the requested information.

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**National Grid USA and The Narragansett Electric Company**  
Division 2-6

Request:

Referring to Mr. Sorgi's testimony (at 14:1-7), please provide an update regarding the current status of the WPD transaction.

Response:

Please see PPL Corporation and PPL Rhode Island Holdings, LLC's response to Data Request Division 2-6 for the requested information.

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**National Grid USA and The Narragansett Electric Company**  
Division 2-7

Request:

Please describe and quantify any effect that the Transaction is expected to have on Narragansett regulatory assets and regulatory liabilities. The response should include all supporting documentation.

Response:

Regulatory assets and regulatory liabilities are not currently expected to be affected by the acquisition by PPL Rhode Island Holdings, LLC of The Narragansett Electric Company ("Narragansett"). However, National Grid USA and PPL Corporation are still progressing through separation planning and there could be impacts that are not yet identified. Please also see Attachment NG-DIV 1-29-1 Confidential for an excerpt of the Separation Blueprint, dated January 2021, which is a working document and details how Narragansett will be separated from National Grid USA post-closing.

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**National Grid USA and The Narragansett Electric Company**  
Division 2-8

Request:

Please provide a detailed explanation of the additional experience and expertise presented by PPL as stated on page 5, lines 14 through 18 of Mr. Dudkin's testimony.

Response:

Please see PPL Corporation and PPL Rhode Island Holdings, LLC's response to Data Request Division 2-8 for the requested information.

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**National Grid USA and The Narragansett Electric Company**  
**Division 2-9**

**Request:**

Referring to Mr. Dudkin's testimony (at 5:14-19), please quantify the extent to which the additional experience and expertise presented by PPL, including extensive, industry-leading experience in using smart grid technology will lower costs.

**Response:**

PPL Corporation and PPL Rhode Island Holdings, LLC have responded to this request in their response to Data Request Division 2-9.



**National Grid USA and The Narragansett Electric Company**  
**Division 2-10**

**Request:**

On page 11, lines 9-14 of Mr. Dudkin's testimony, he states PPL has made significant investments for the benefit of customers without increasing operational costs and while maintaining affordable rates. Please:

- a. Provide the total capital investments being discussed for the years 2011 through 2020.
- b. Provide the details associated with the revenue increases required to recover the capital investments and return on these investments over that same period.
- c. What were the retail rate increases by year from 2015 through 2020?

**Response:**

PPL Corporation and PPL Rhode Island Holdings, LLC have responded to this request in their response to Data Request Division 2-10.

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**National Grid USA and The Narragansett Electric Company**  
Division 2-11

Request:

Referencing Mr. Dudkin's testimony at 11, lines 17-20, please provide all Documents and data demonstrating that PPL has made "significant investments for the benefit of customers without increasing operational costs and while maintaining affordable rates for customers."

Response:

PPL Corporation and PPL Rhode Island Holdings, LLC have responded to this request in their response to Data Request Division 2-11.

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**National Grid USA and The Narragansett Electric Company**  
Division 2-12

Request:

Referencing Mr. Dudkin's testimony at 12:2-3, please provide all Documents and data demonstrating that PPL's "rates for [its] customers that are 27% lower than the average rates in the Mid-Atlantic region."

Response:

Please see PPL Corporation and PPL Rhode Island Holdings, LLC's response to Data Request Division 2-12 for the requested information.

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**National Grid USA and The Narragansett Electric Company**  
**Division 2-13**

**Request:**

Mr. Sorgi states (at 11:10) that PPL has extensive experience with grid modernization initiatives and innovation and that it will "help advance Rhode Island's ambitious decarbonization goals." Please provide a detailed description of PPL's grid modernization experience. To the extent that PPL has prepared a grid modernization plan for any of its regulated utilities, please provide examples of such plans.

**Response:**

Please see PPL Corporation and PPL Rhode Island Holdings, LLC's response to Data Request Division 2-13 for the requested information.

**National Grid USA and The Narragansett Electric Company**  
Division 2-14

Request:

Please: (A) state whether PPL or any of its affiliates has prepared and/or implemented any of the following plans, programs, or studies; and (B) if the answer is yes, provide at least one example of such plan or study and state the jurisdiction and utility system in which it was implemented:

- a. System electrical long range plan;
- b. Distribution system area study or equivalent;
- c. Energy Efficiency program plan or equivalent;
- d. Distribution capital investment plans similar to the Infrastructure, Safety and Reliability Plan developed in Rhode Island;
- e. Non-wires studies;
- f. System heat maps or other distributed energy resources (DER) tools;
- g. System Reliability Procurement standards and studies; and
- h. Power Sector Transformation standards and studies.

To the extent relevant, any example of a plan provided or a regulatory filing should include all models in original software and PDF formats, all tables in Excel format, and any associated regulatory docket information.

Response:

PPL Corporation and PPL Rhode Island Holdings, LLC have responded to this request in their response to Data Request Division 2-14.

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**National Grid USA and The Narragansett Electric Company**  
Division 2-15

Request:

Please describe in detail the distribution capital investment planning and approval (internal and regulatory) process for each US jurisdiction. This should include but not be limited to the planning horizon, the components/spending categories of the plan, how projects are prioritized for inclusion in the plan, required studies to supplement the plans, internal/regulatory approval steps, regulatory filing requirements, how project implementation is tracked, and applicable spending caps, penalties or company performance incentives.

Response:

PPL Corporation and PPL Rhode Island Holdings, LLC have responded to this request in their response to Data Request Division 2-15.

**National Grid USA and The Narragansett Electric Company**  
**Division 2-16**

**Request:**

As explained in Mr. Sorgi's testimony (at 5:13-15), PPL owns PPL Renewables, LLC and Safari Energy, LLC which own and operate solar and energy storage projects.

- a. Please state whether these companies do business in Rhode Island or the New England control area. If yes, please provide a list of the projects that these companies own or operate in Rhode Island or the New England control area; and
- b. Explain what controls are in place in PPL's accounting systems to ensure that there is no cross-subsidization of these companies with regulated revenues.

**Response:**

Please see PPL Corporation and PPL Rhode Island Holdings, LLC's response to Data Request Division 2-16 for the requested information.

**National Grid USA and The Narragansett Electric Company**  
Division 2-17

Request:

What are the fully identified and defined services the Service Company presently provides to Narragansett that it will continue to provide under the TSA? Please provide the identified list of over 200 services referenced in Mr. Dudkin's testimony (at 26:4 – 27:4). Provide a list of each service that the Service Company will provide and which service PPL will provide for Narragansett as of Day 1 following the completion of the transaction.

Response:

Please see Attachment NG-DIV 1-28-1 for the list of 146 services that National Grid USA Service Company, Inc. currently provides to The Narragansett Electric Company ("Narragansett"). Please also see National Grid USA and Narragansett's response to Data Request Division 1-28 for additional detail regarding these services and the Day 1 planning process.

Please also see PPL Corporation ("PPL") and PPL Rhode Island Holdings, LLC's response to Data Request Division 2-17 for additional information regarding which services PPL will provide for Narragansett on Day 1.



**National Grid USA and The Narragansett Electric Company**  
Division 2-18

Request:

Provide a detailed discussion of all training which the Service Company will be providing to PPL during the transition.

Response:

National Grid USA and PPL Corporation ("PPL") are currently running through a Day 1 planning process to identify functional areas that can be transferred safely and efficiently on Day 1 and areas that will require a more gradual transition supported by the Transition Services Agreement ("TSA"). The process will help National Grid USA identify the appropriate training that will be required during the transition. Knowledge transfer will be built into the TSA schedules for specific transition services where appropriate and applicable.

National Grid USA Service Company, Inc. (the "Service Company") will continue to make training available as a transition service in a manner consistent with how such trainings were delivered prior to the closing of PPL Rhode Island Holdings, LLC's acquisition of The Narragansett Electric Company ("Narragansett") from National Grid USA. The Service Company will transfer appropriate knowledge and historical data to PPL to ensure operational continuity for Narragansett.

Please see National Grid USA and Narragansett's response to Data Request Division 1-28 for an explanation of the Day 1 planning process and the services that the Service Company presently provides to Narragansett and Attachment NG-DIV 1-28-1 for the list of 146 services.

Please also refer to the following draft TSA schedules, provided as attachments to Data Request Division 1-28, with details on training that the Service Company anticipates providing to PPL during the transition period. As discussed in National Grid's and Narragansett's response to Data Request Division 1-28, the work associated with the TSA scope of transition services is ongoing and currently undergoing further review, refinement, and finalization; therefore, these TSA schedules are subject to change. National Grid USA and Narragansett will supplement this response periodically throughout the pendency of this proceeding.

- Attachment NG-DIV 1-28-2-2 – 040-CS: Customer Metering Services, page 10
- Attachment NG-DIV 1-28-2-3 – 103B-EP: Energy Transactions (Financial), page 10
- Attachment NG-DIV 1-28-2-4 – 095-GO: Technical Training, page 33
- Attachment NG-DIV 1-28-2-9 – 133-FAC: Training Facilities, page 9

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- Attachment NG-DIV 1-28-2-11 – 119-HR: Training (Learning and Development), page 4
- Attachment NG-DIV 1-28-2-11- 123-HR: Talent and Performance Management, page 8
- Attachment NG-DIV 1-28-2-12 – 130-HSE: Health Services, page 15
- Attachment NG-DIV 1-28-2-12 – 131-HSE: Safety Policy & Programs, page 17

National Grid USA expects the list of functional areas that will be transferred to PPL on Day 1 and areas that will be included in the TSA to be finalized by the end of September 2021.

**National Grid USA and The Narragansett Electric Company**  
Division 2-19

Request:

List each position which the Service Company anticipates must be duplicated by PPL during the transition in order for there to be a complete transfer of systems, knowledge and operations between the two companies.

Response:

PPL Corporation ("PPL") and National Grid USA are working together to identify a list of employees who are currently supporting The Narragansett Electric Company ("Narragansett") today and those who may be transferring to PPL upon the close of PPL Rhode Island Holdings, LLC's acquisition of Narragansett from National Grid USA (the "Transaction"). PPL is expected to make offers to these employees in accordance with the terms of the Share Purchase Agreement ("SPA"). Pursuant to the SPA, PPL is expected to confirm employee roles and to make offers of employment 60 days prior to the anticipated Transaction closing date. This information will help to determine the work required to complete the transition and finalize National Grid USA's separation from Narragansett. If an employee does not transfer to PPL pursuant to the SPA, the activity that employee undertook will be fulfilled either by an existing PPL employee or service provider, or by National Grid USA through a transition service under the Transition Services Agreement. As a result, National Grid USA does not anticipate that there will be duplicated resources to achieve a complete transfer of systems, knowledge, and operations from National Grid USA to PPL.

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**National Grid USA and The Narragansett Electric Company**  
Division 2-20

Request:

On pages 23 and 24 of Mr. Dudkin's testimony, he discusses the TSA. What contingency plans does PPL have in place to address the potential that the transition is not completed within the forecasted two-year transition period?

Response:

Please see PPL Corporation and PPL Rhode Island Holdings, LLC's response to Data Request Division 2-20 for the requested information.

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**National Grid USA and The Narragansett Electric Company**  
Division 2-21

Request:

As described in Mr. Sorgi's testimony (at 15:12-18), the circumstances in which TSA may be cancelled include the requirement for the WPD sale to be completed and for the PPL National Grid Transaction to be closed by March 17, 2022. Please explain in detail what occurs if either of these two requirements is not met.

Response:

PPL Corporation and PPL Rhode Island Holdings, LLC have responded to this request in their response to Data Request Division 2-21.

**National Grid USA and The Narragansett Electric Company**  
**Division 2-22**

**Request:**

Referencing Mr. Sobolewski's testimony at page 15, lines 16-19, please provide:

- a. A detailed list of functional areas that can be safely and efficiently transferred to PPL on Day 1; and
- b. A detailed list of the functional areas that will require more gradual transition.

**Response:**

a. and b.

National Grid USA and PPL Corporation ("PPL") are currently running through a process referred to as Day 1 planning to identify functional areas that can be transferred safely and efficiently to PPL on Day 1 and areas that will require a more gradual transition supported by the Transition Services Agreement. Please see National Grid USA and The Narragansett Electric Company's response to Data Request Division 1-28 for an explanation of this process. Please also see Attachment NG-DIV 1-28-1 for a list of services by functional area.

National Grid USA expects the list of functional areas that will be transferred to PPL on Day 1 and areas that will require support under the Transition Services Agreement will be finalized by the end of September 2021.

**National Grid USA and The Narragansett Electric Company**  
Division 2-23

Request:

Mr. Sobolewski states (at 16:3-16) that National Grid and PPL have assembled a group of officers, managers and other employees from both companies to plan, execute and coordinate the business integration and organization separation efforts for the Transaction.

- a. Explain in detail the responsibilities of Mr. Dan Davies, National Grid and Mr. Dudkin, PPL, including which individual will lead the efforts and the chain of command.
- b. Provide a copy of all transition plans, schedules and workplans.
- c. Provide a detailed list of the integration and transition topics.
- d. Provide the details of how National Grid and PPL will avoid duplication of cost recovery and accurately separate these transition costs.

Response:

- a. Dan Davies leads the Transition Management Office on behalf of National Grid USA . The purpose of the Transition Management Office is to deliver safe and efficient separation of employees, assets, and operations from National Grid USA and transition of employees, assets, and operations to PPL Corporation ("PPL") in accordance with the terms of the Share Purchase Agreement, while enabling National Grid USA's remaining businesses to continue to deliver gas and electricity safely, reliably, and affordably to customers.

The Transition Management Office includes leaders responsible for execution of separation activities for their respective functions for National Grid USA. In his role as a separation leader for National Grid USA, Mr. Davies is accountable for overall separation, overseeing program level risks, decisions on separation activities, escalations to executive steering committee, and coordinating with PPL on separation activities. Please see Attachment NG-DIV 2-23, page 1, for the Transition Management Office Governance.

- b. Please see Attachment NG-DIV 2-23, page 3, for the overall transition, including milestones and the status by workstream. National Grid USA is in the midst of Day 1 planning, which will inform the detailed workplans.

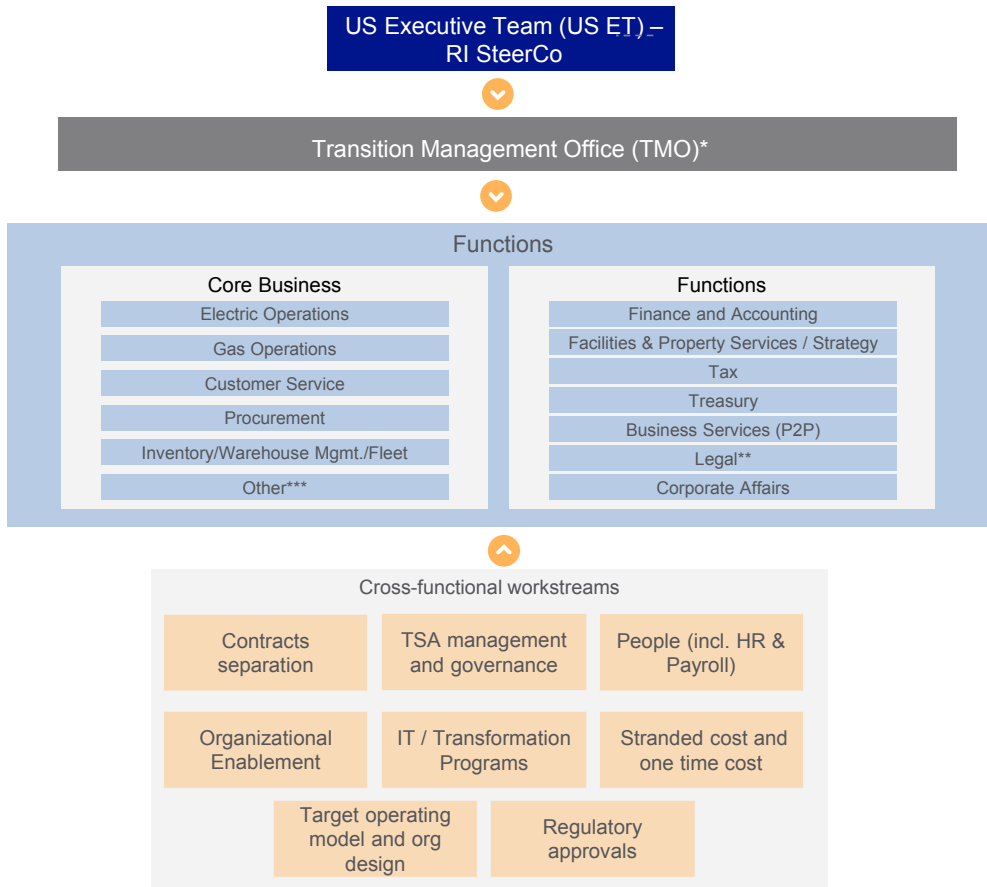
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- c. Attachment NG-DIV 2-23, page 2, provides a list of transition topics organized by workstream and function. The Transition Management Office has organized these topics to deliver optimally on separation activities. Each workstream/function has a responsible lead who is accountable for ensuring their program readiness for separation for National Grid USA.
- d. Transition costs are tracked separately using dedicated project codes. These costs will be borne by National Grid plc shareholders and will not be recovered from The Narragansett Electric Company customers.



## RI Transition Management Office Structure and Governance



**National Grid**

\* TMO is aligned with these cross-functional efforts but is not responsible for the execution

\*\* includes a Litigation Hold sub workstream, led by Legal and supported by IT and records management

\*\*\* Other indirect functions include: HSE, Facility and Property Services, Regulatory Support, Jurisdictions, Transformation Office, Pensions / OPEB, Energy Procurement

### Transition planning and governance



#### US Executive Steering Committee (SteerCo)

- Set strategic direction and drive accountability
- Ratify Separation governance structure, business definition, and decisions
- Eliminate obstacles by resolving critical decisions and priorities and commit appropriate resources

#### Transition Management Office (TMO)

- Designs and identifies approach for Day 1 planning and execution
- Establishes separation governance and meeting cadence for reporting
- Engages functional teams to manage progress and mitigate program risks
- Coordinates across teams to address dependencies and issues
- Aligns SteerCo on critical decisions / roadblocks

#### Functions

- Identify the Day 1 requirements
- Define and deliver functional separation plans, including Day One and post-TSA exit operating models
- Works with the workstreams to support delivery of workstream outputs

#### Workstreams

- Develop plans to deliver workstream specific deliverables
- Drive execution of transaction and separation activities on behalf of the Functions (e.g. Contracts delivers revised contracts for day 1, TSA delivers TSA schedules and governance model etc )

## Detailed list of transition topics

Category	Transition Topic	Description - Accountable for
TMO	TMO	the overall Project Management and control of the Program
Cross-functional workstreams	TS management and governance	The development of the TSA schedules and associated pricing and governance
	Contracts Separation	Ensuring that the contractual changes required as a consequence of the RI transition are appropriately managed
	People (incl. HR & Payroll)	The management of the transfer of employees from NG to PPL and associated impacts
	Target Operating model and org design	Collaborating with PPL to develop the new operating model for Narragansett
	Regulatory approvals	Ensuring that the required regulatory approvals are secured
	Stranded cost & one-time cost	Understanding and mitigating the potential costs associated with the RI transition
	IT / Transformational programs	Ensuring the controlled transition of IT between NG and PPL during the
	Organizational Enablement	Change Management of the impacts of the RI transition
Core Business	Electric Operations	Identification and implementation of the changes required for Day 1 in conjunction with the Cross-functional workstreams
	Gas Operations	
	Customer Service	
Functions	Procurement	
	Inventory/Warehouse Management, Fleet	
	Finance and Accounting	
	Facilities and Property Services/Strategy	
	Tax	
	Treasury	
	Business Services (P2P)	
	Legal	
National Grid	Corporate Affairs	

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## Plan on a Page

Deal Sign  
(Mar 18, 2021)

Reg Submission  
(May 3, 2021)

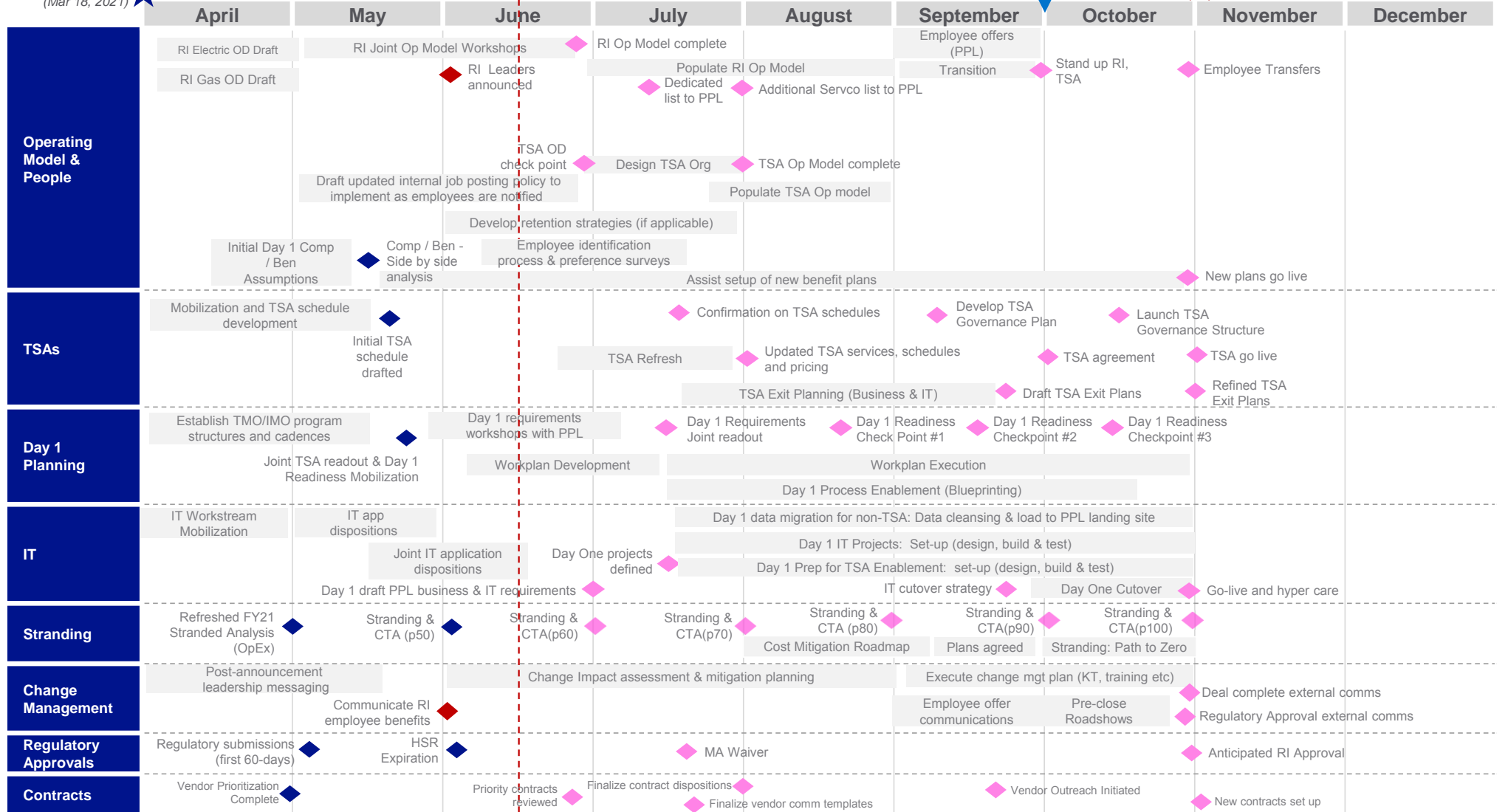
First 60 days  
(May 17, 2021)

Today

Target Op Model  
Stand up date

RI Approval  
Deal Close Readiness (Nov 1, 2021)

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**National Grid USA and The Narragansett Electric Company**  
Division 2-24

Request:

Provide a detailed organizational chart depicting the PPL management team chain of command which the Narragansett personnel will report as described in Mr. Sobolewski's testimony (at 17:1-3).

Response:

PPL Corporation and PPL Rhode Island Holdings, LLC have responded to this request in their response to Data Request Division 2-24.

PPL CORPORATION, PPL RHODE ISLAND HOLDINGS, LLC,  
NATIONAL GRID USA, and THE NARRAGANSETT ELECTRIC COMPANY

Docket No. D-21-09

National Grid USA and The Narragansett Electric Company's

Responses to Division's Second Set of Data Requests

Issued on June 11, 2021

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**National Grid USA and The Narragansett Electric Company**  
**DIV 2-25**

**Request:**

Mr. Sobolewski testimony states (at 14:21– 15:2) National Grid will help PPL continue to advance uninterrupted ongoing initiatives, projects, and dockets in Rhode Island that are underway as of the closing of the Transaction. Provide a detailed list of each of these contemplated initiatives, projects and dockets. Provide a detailed explanation of how National Grid will assure this is accomplished.

**Response:**

It is too early to know which initiatives, projects, and dockets will be underway as of the closing of PPL Rhode Island Holdings, LLC's acquisition of The Narragansett Electric Company ("Narragansett") from National Grid USA (the "Transaction"). National Grid USA and PPL Corporation ("PPL") are currently running through a process referred to as Day 1 planning to identify functional areas that can be transferred safely and efficiently to PPL on Day 1 and areas that will require a more gradual transition supported by the Transition Services Agreement ("TSA"). Please see National Grid USA's response to Data Request Division 1-28 for an explanation of the TSA and Day 1 planning process. It is anticipated that National Grid USA Service Company, Inc. will continue to provide regulatory support to PPL for a period of time following the closing of the Transaction in accordance with the TSA and the Day 1 planning. Please see Attachment NG-DIV 1-28-2-13 for a copy of the draft indicative Regulatory TSA. As discussed in National Grid USA's response to Data Request Division 1-28, the TSA schedules are still undergoing further review, refinement, and finalization, and, therefore, the regulatory support services are subject to change. National Grid USA and Narragansett will supplement this response periodically throughout the pendency of this proceeding.

**National Grid USA and The Narragansett Electric Company**  
Division 2-26

Request:

Please explain how the Narragansett electric distribution system facilities interconnected to National Grid's distribution facilities in Massachusetts will be separated and reintegrated following completion of the transaction. Please provide:

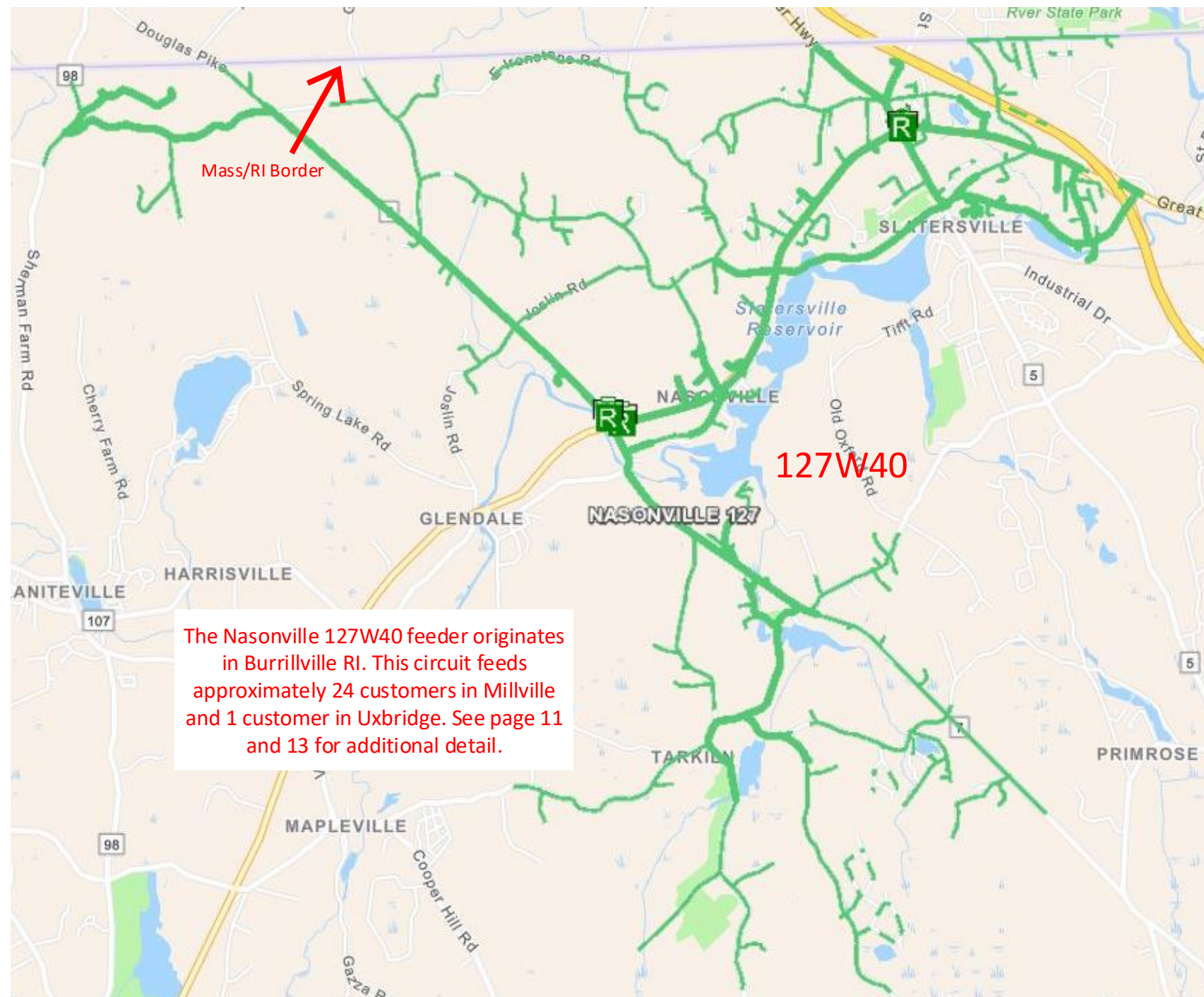
- a. distribution system maps indicating the system configuration before and after separation and reintegration;
- b. the detailed list of all capital projects and maintenance and expense projects associated with the separation and reintegration;
- c. a detailed cost estimate for all the separation and reintegration work; and
- d. any comprehensive separation and reintegration plan which has been prepared.

Response:

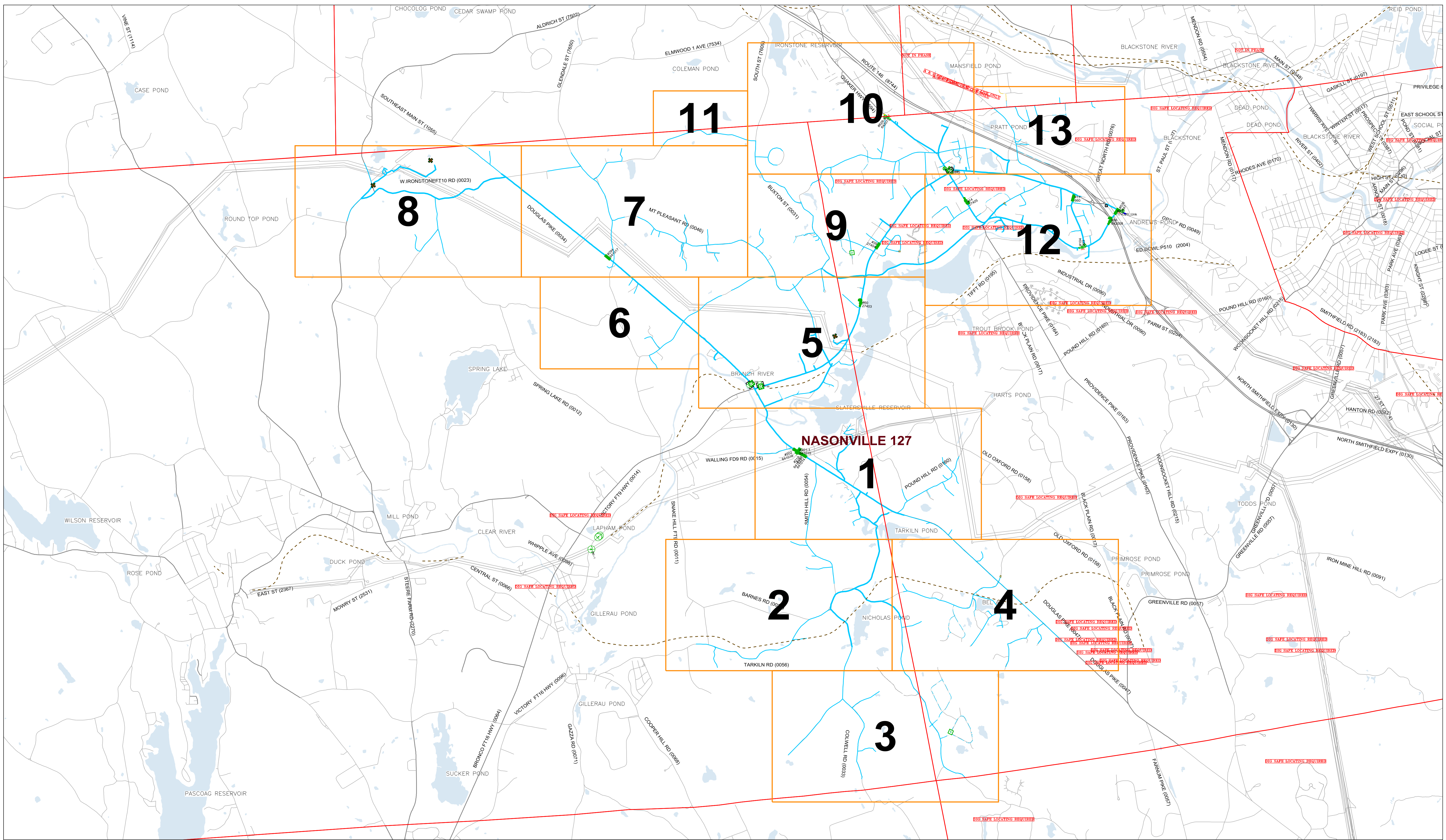
- a. Maps detailing all instances where distribution facilities sourced in Rhode Island supply Massachusetts Electric Company customers in Massachusetts and where distribution facilities sourced in Massachusetts supply The Narragansett Electric Company customers in Rhode Island are provided as Attachment NG-DIV 2-26-1 and Attachment NG-DIV 2-26-2, respectively. It is expected that these facilities will remain the same immediately following completion of the transaction.
- b. No such projects and associated cost estimates have been developed.
- c. Please refer to the response to part b. above.
- d. A comprehensive separation and reintegration plan is being developed but is not finalized at this time.

**MA customers served by RI Assets**

<b>Feeder</b>	<b>Customers</b>	<b>Street</b>	<b>Town From</b>	<b>Town To</b>
127W40	1	E Ironstone Rd	Burrillville	Uxbridge
127W40	24	Harkness Rd	N Smithfield	Millville
26W5	1	St Paul St	N Smithfield	Blackstone
108W53	1	Canal St	N Smithfield	Blackstone
108W53	1	Huntington St	Woonsocket	Blackstone
108W51	942	Rathbun St	Woonsocket	Blackstone
108W60	2532	Bellingham St	Woonsocket	Bellingham
108W63	1	Garden St	Woonsocket	Bellingham
108W63	1	St Louis Ave	Woonsocket	Bellingham
112W43	5	Spring St	Cumberland	Wrentham
112W44	1	Rhodes St	Cumberland	Plainville
112W44	4	Burnt Swamp Rd	Cumberland	Plainville
112W44	2	Bishop Dr	Cumberland	North Attleborough
112W44	1	Old Hickory Dr	Cumberland	North Attleborough
112W44	1	Intervale Dr	Cumberland	North Attleborough
112W44	1	Paine Rd	Cumberland	North Attleborough
102W42	17	Dickens St	Pawtucket	Attleboro
102W42	6	Kenyon Ave	Pawtucket	Attleboro
102W42	3	Mill St	Pawtucket	Attleboro
107W50	1	Maplecrest Dr	Pawtucket	Attleboro
33F1	32	Commonwealth Ave	Tiverton	Fall River
33F1	45	Hancock St	Tiverton	Fall River
33F1	10	Captains Circle	Tiverton	Fall River
33F1	11	Coreys Ln	Tiverton	Fall River
33F4	1	Restfull Valley Ave	Tiverton	Fall River
33F4	36	Sawdy Pond	Tiverton	Fall River
33F4	4	Crandall Rd	Tiverton	Fall River
33F4	20	E King Rd	Tiverton	Fall River
33F4	126	Adamsville Rd/Cornell Rd	Tiverton	Westport
33F4	10	Westport Harbor Rd	Tiverton	Westport
33F4	48	Old Harbor Rd	Tiverton	Westport
33F4	400	River Rd	Tiverton	Westport
33F4	2	Mullen Hill	Little Compton	Westport

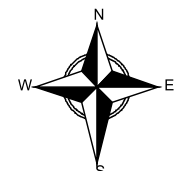
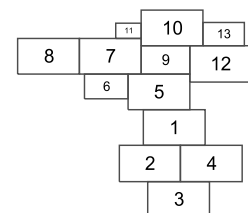






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GIS Alternative: DM Top  
Date Printed: 03/10/2021

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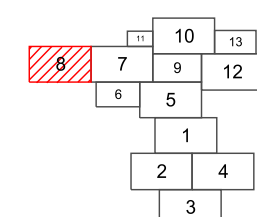


NASONVILLE 127W40

Index Map  
13.8KV

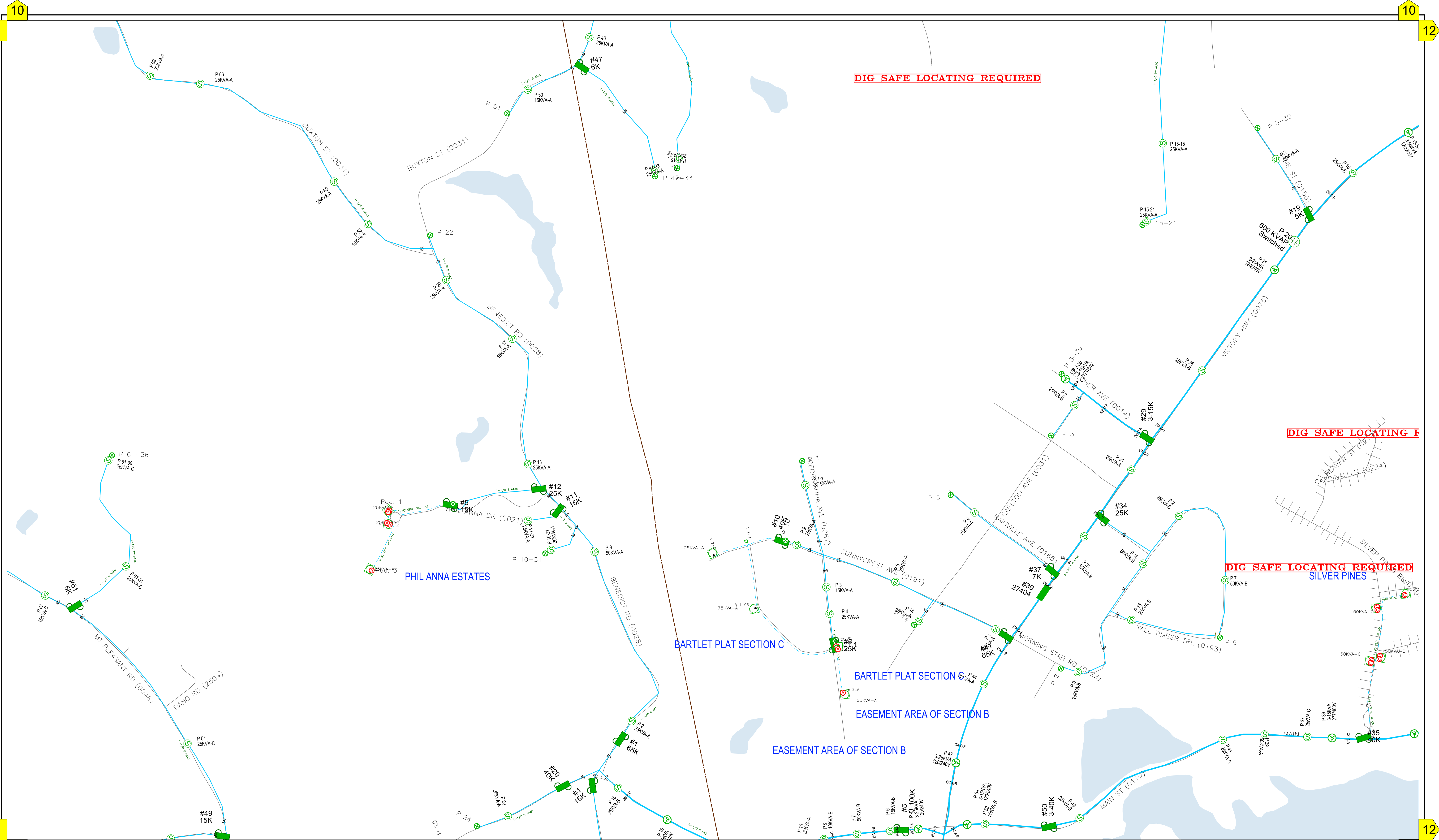






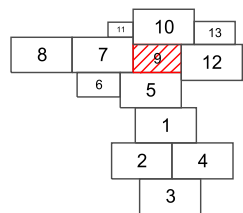
NASONVILLE 127W40  
13.8KV Sheet 8 of 13  
Feeder Detail Map



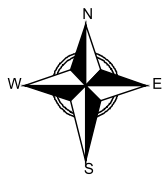


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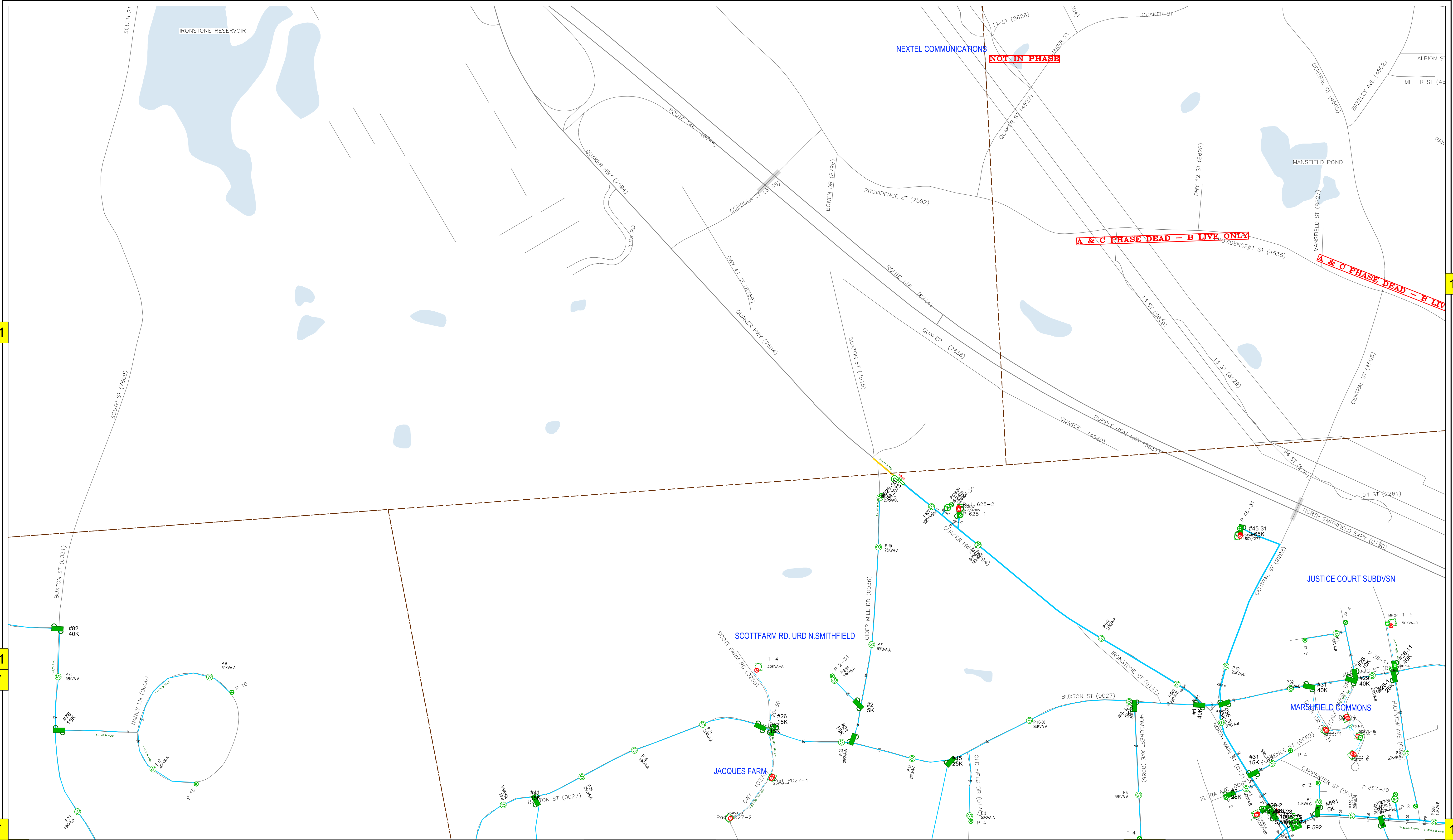
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**nationalgrid**

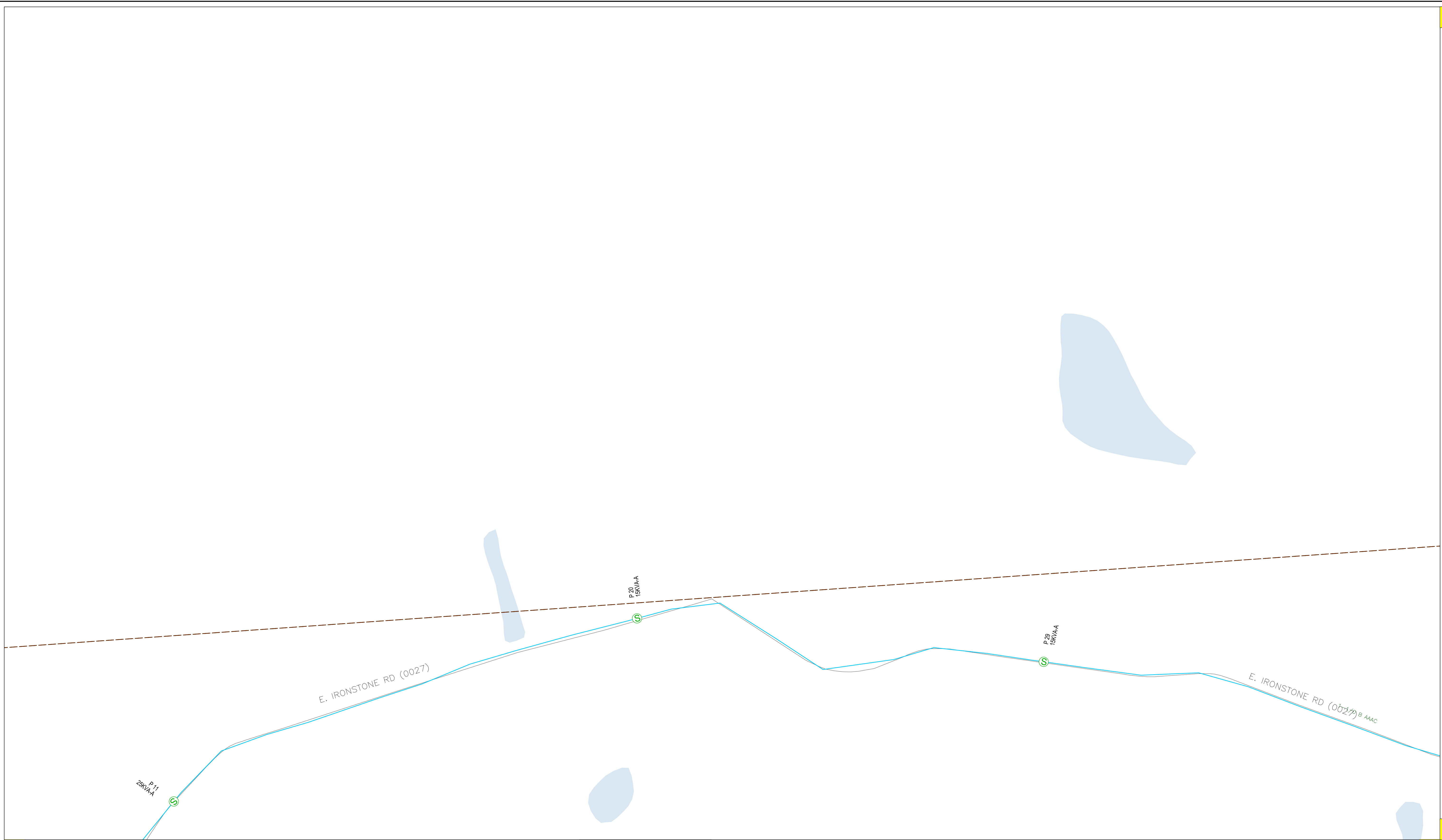


NASONVILLE 127W40  
13.8KV Sheet 9 of 13  
Feeder Detail Map



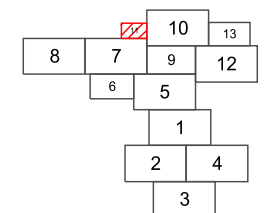


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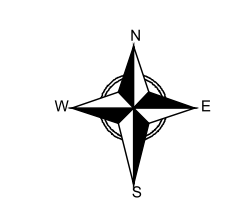


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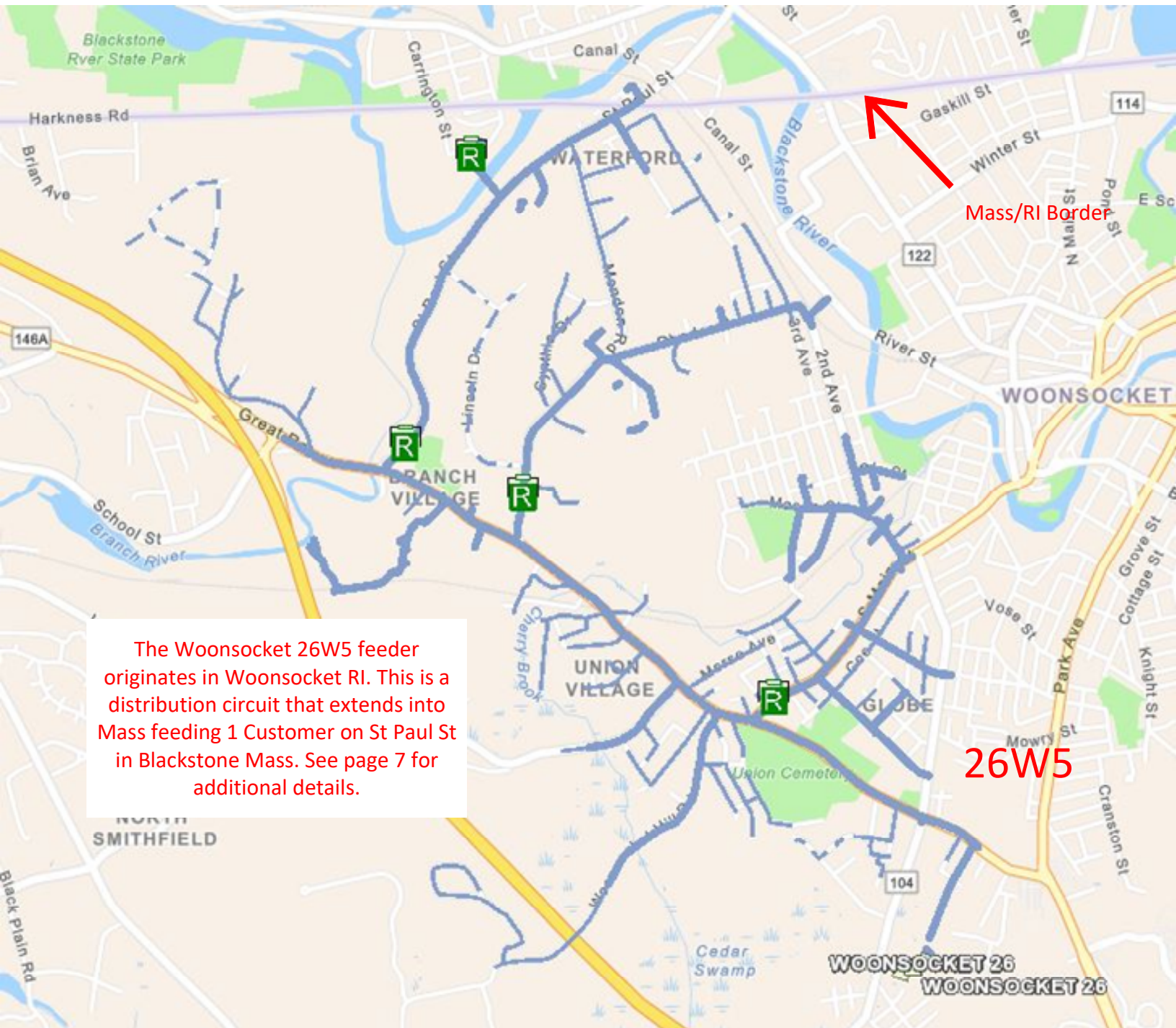
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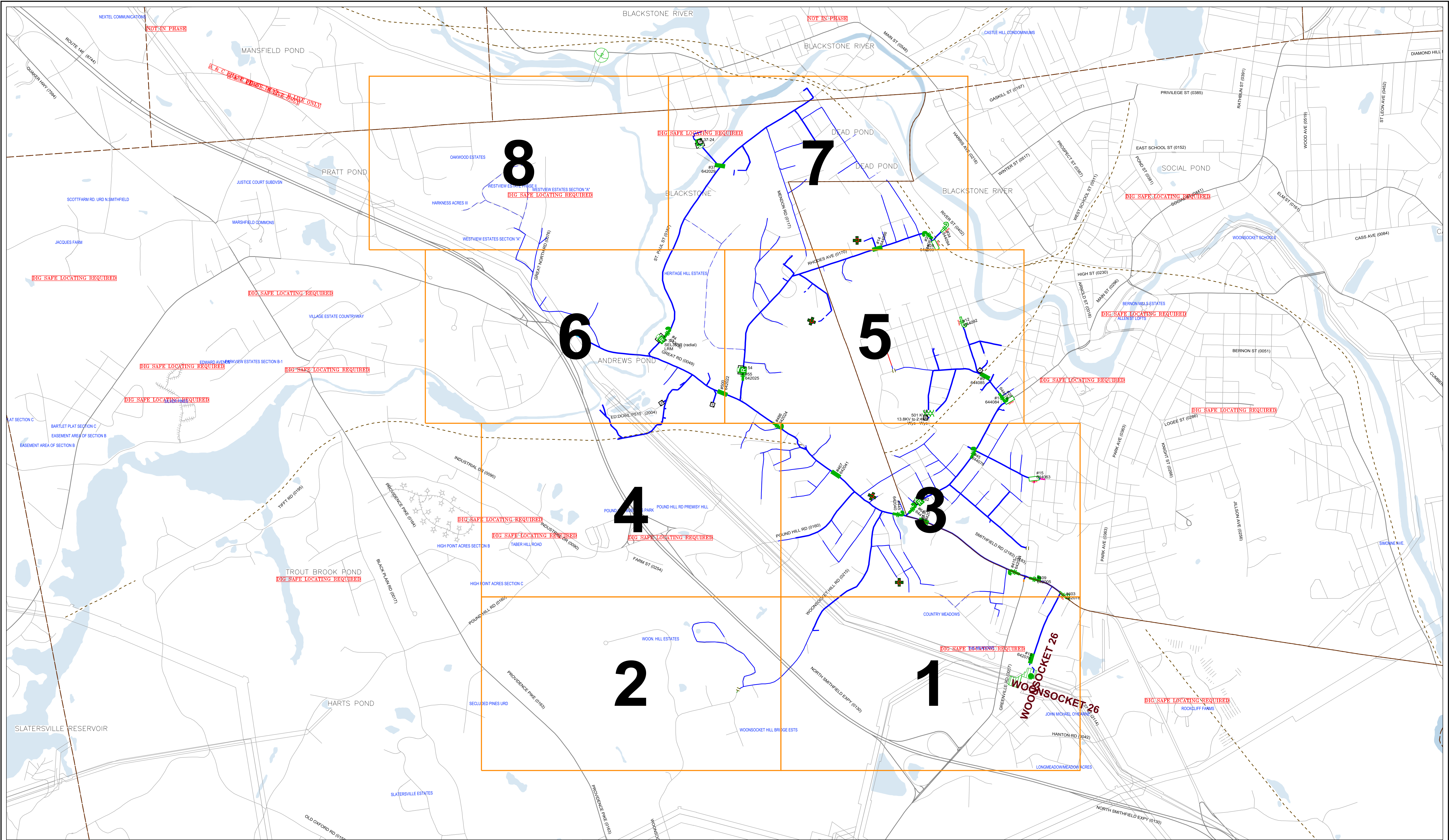
NASONVILLE 127W40  
13.8KV Sheet 11 of 13  
Feeder Detail Map

7

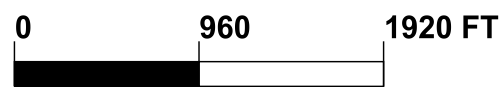
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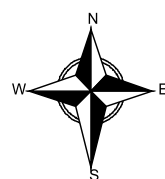


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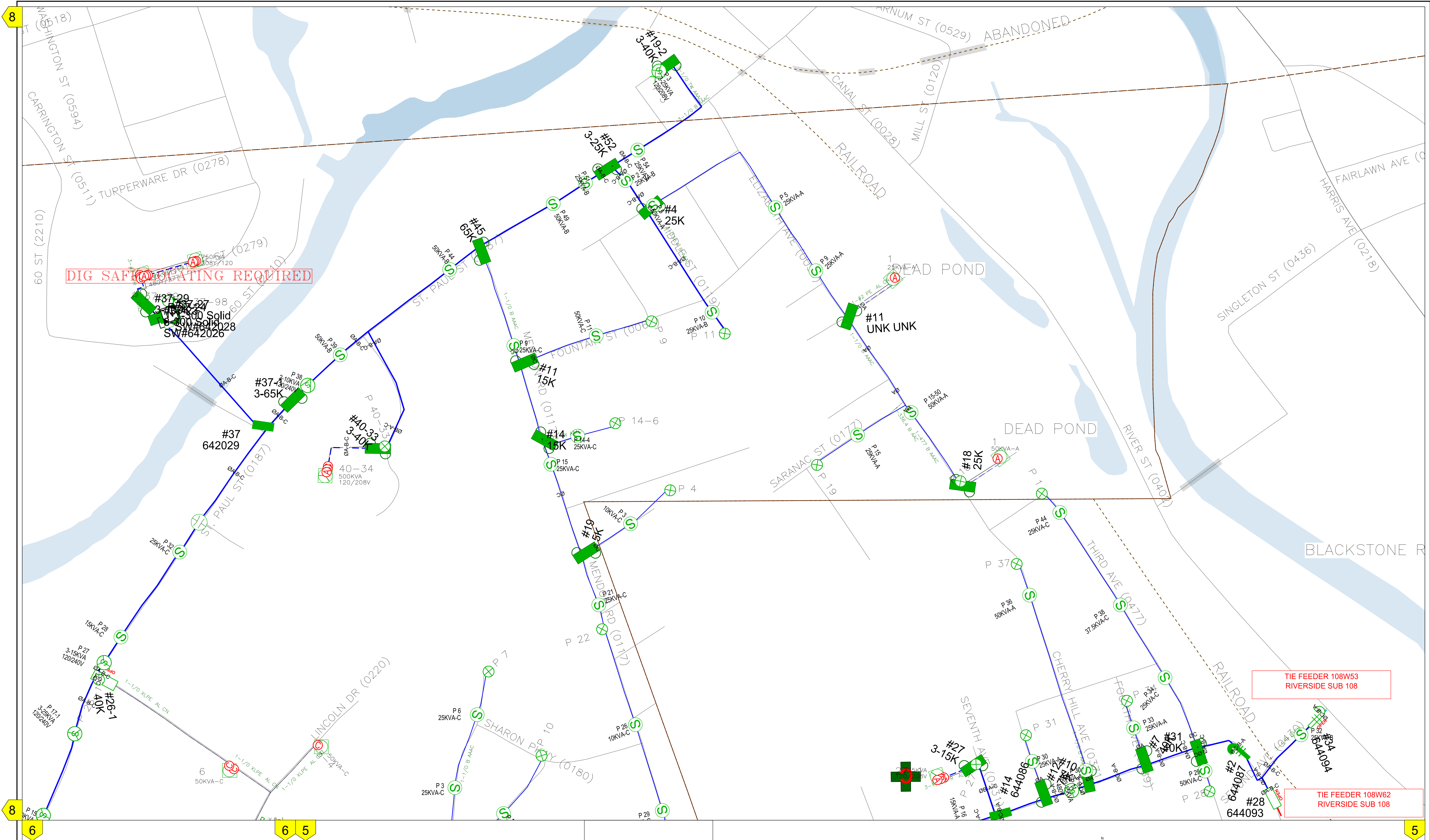
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6	5
4	3
2	1

**nationalgrid**



13.8KV  
WOONSOCKET 26W5  
Index Map



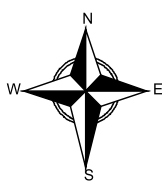


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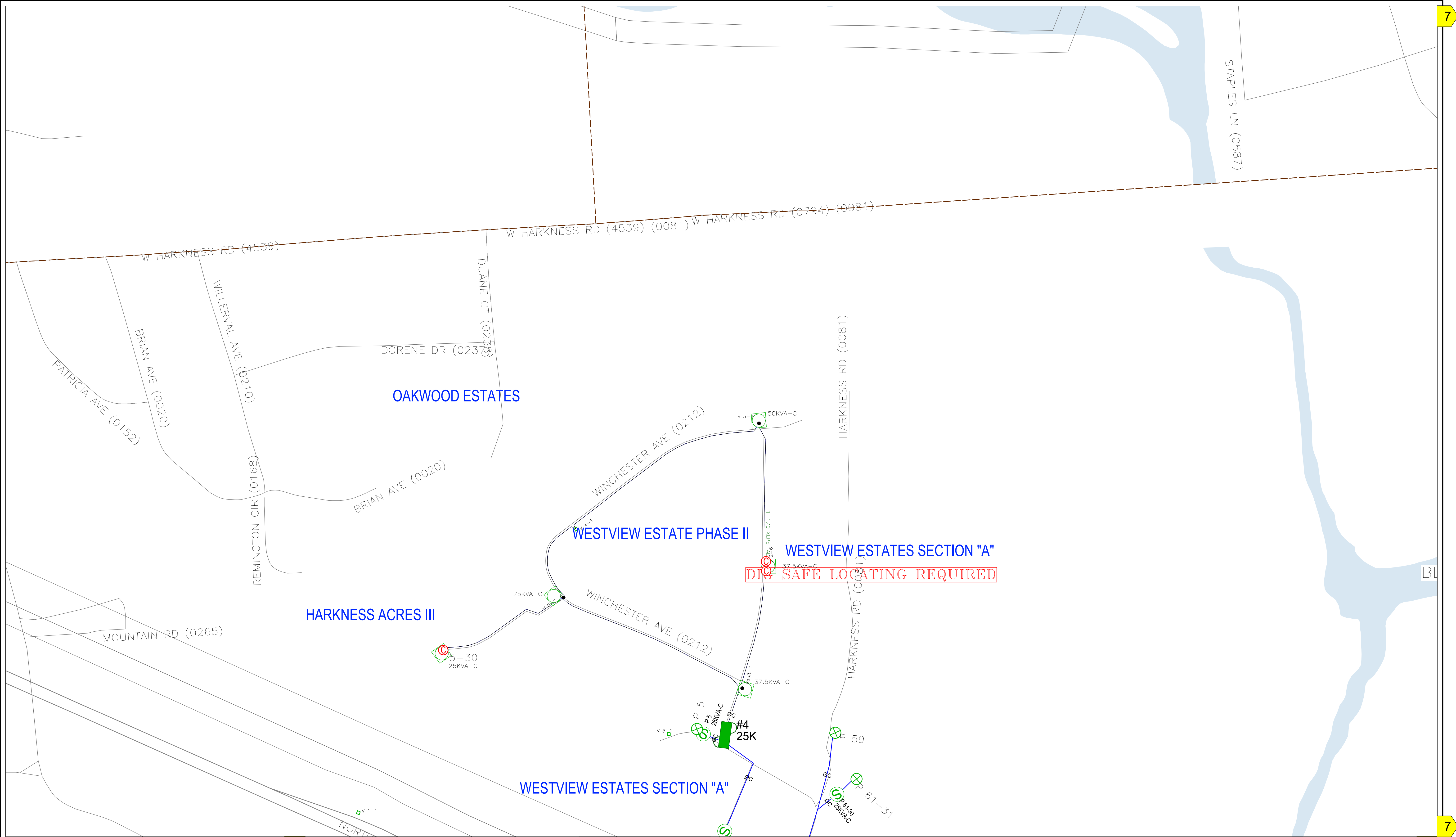
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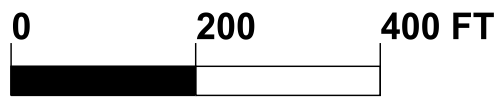
nationalgrid



WOONSOCKET 26W5  
13.8KV  
Sheet 7 of 8  
Feeder Detail Map



OP District: CAPITAL  
GIS Alternative: DM Top  
Date Printed: 04/26/2021



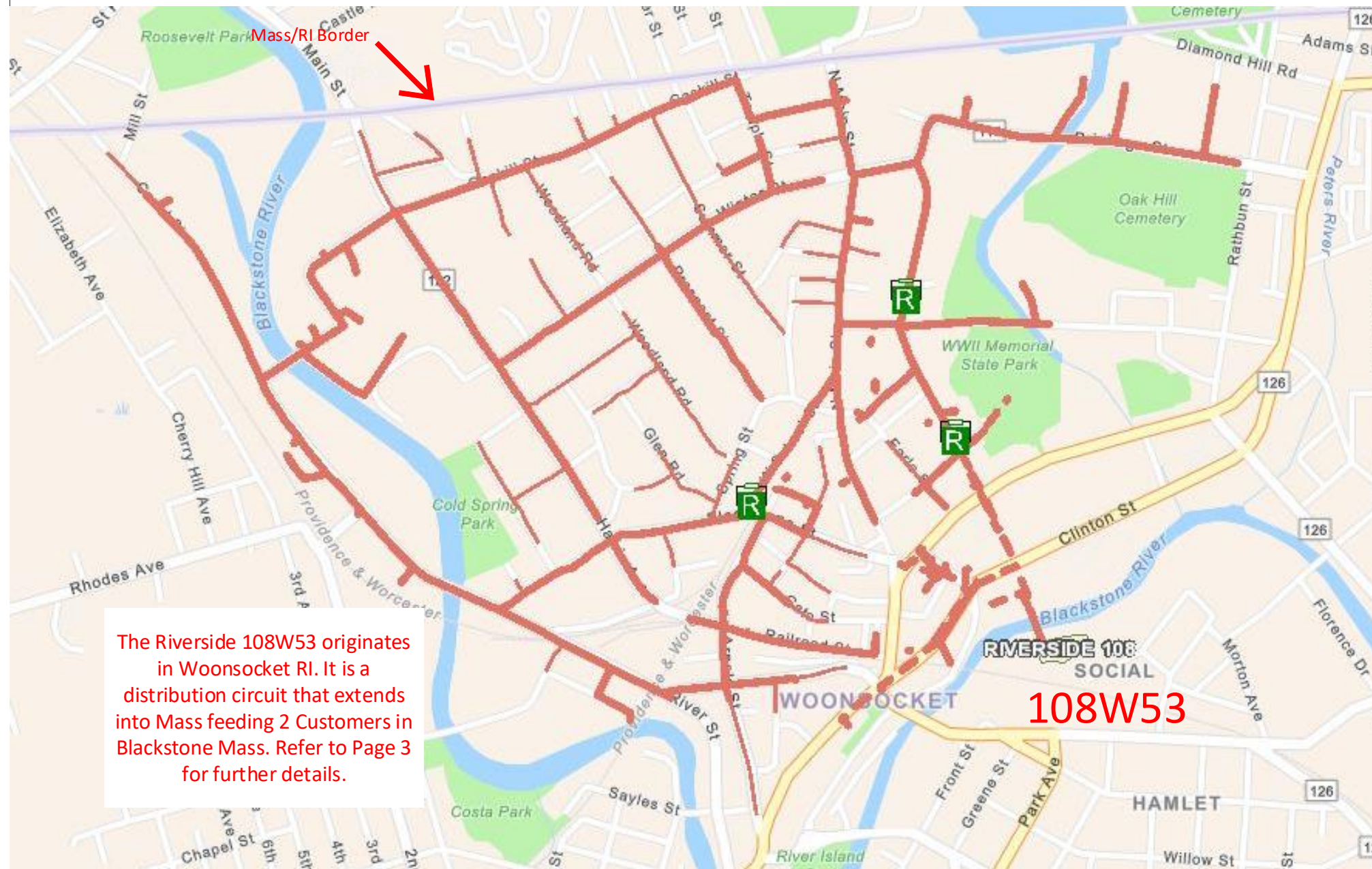
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**nationalgrid**

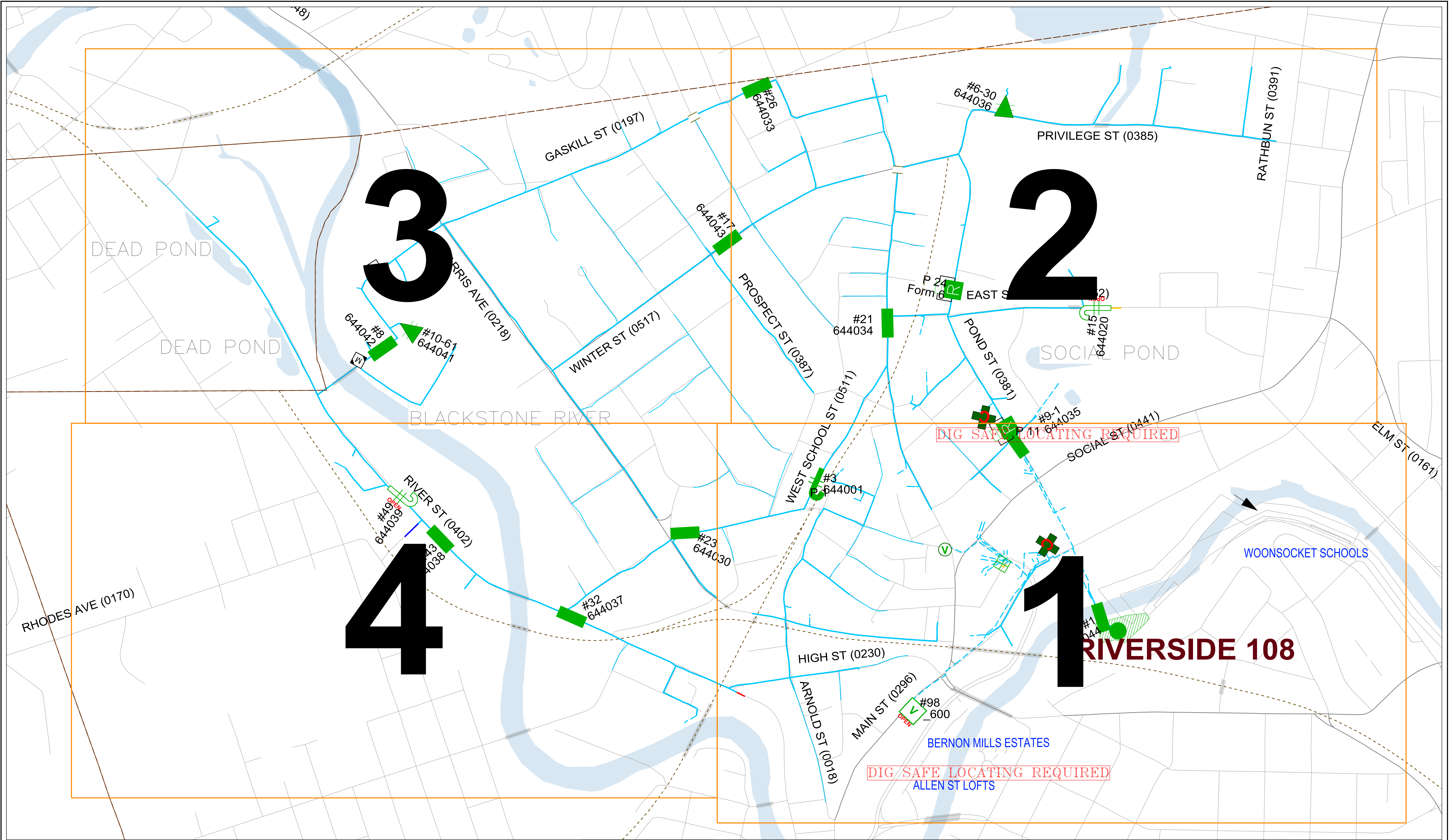


WOONSOCKET 26W5  
13.8KV  
Sheet 8 of 8  
Feeder Detail Map

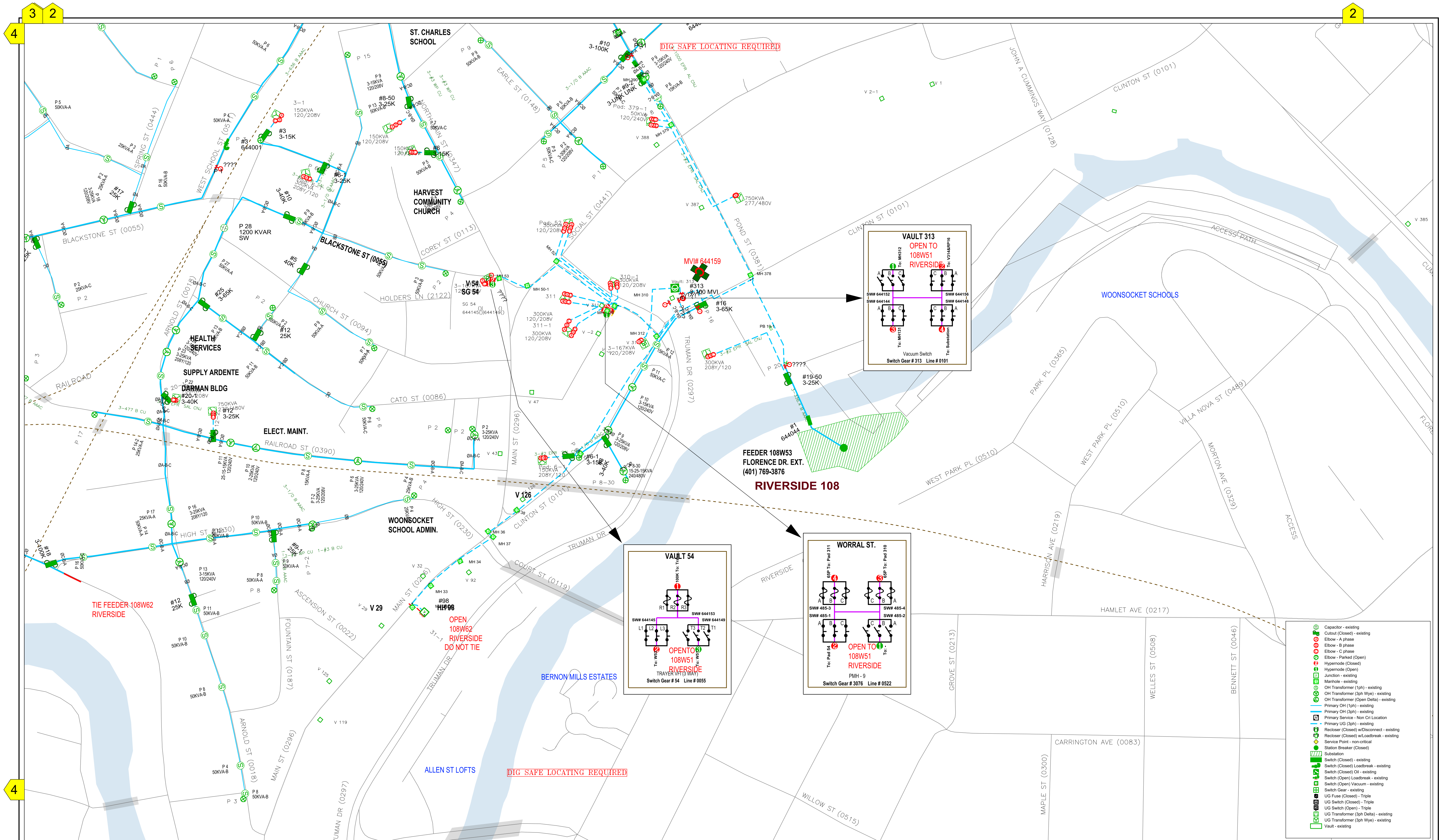












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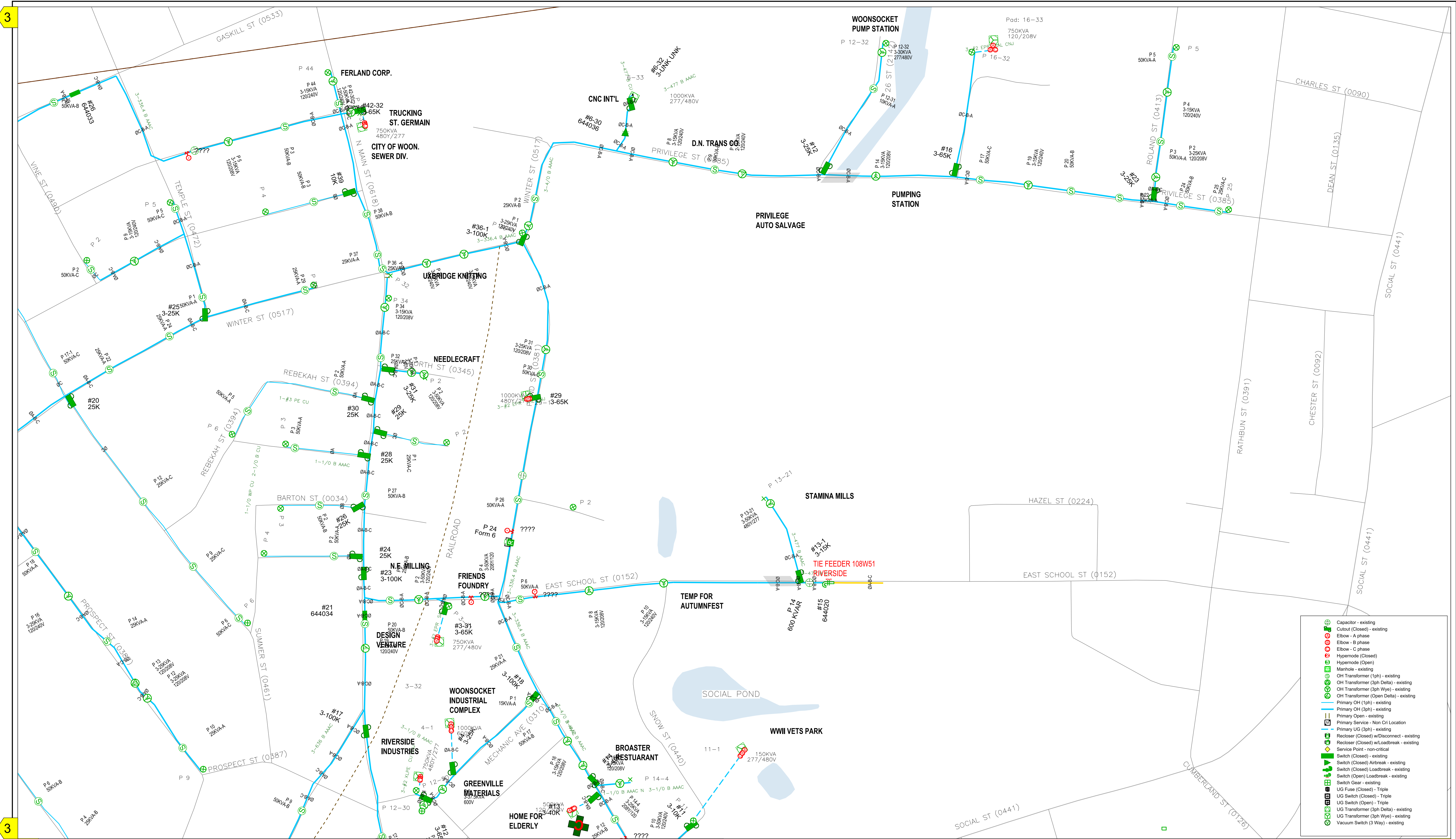
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nationalgrid

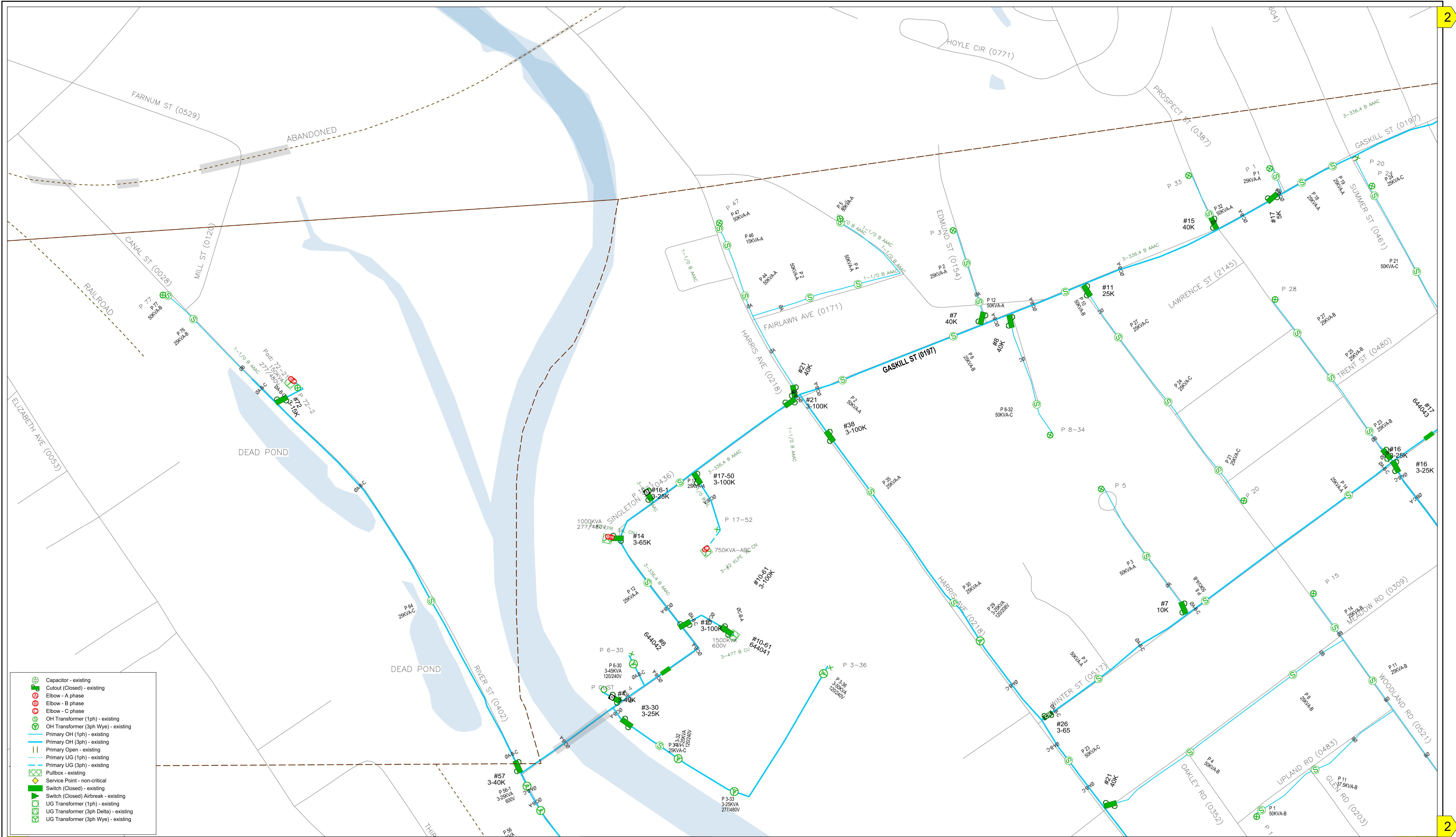


RIVERSIDE 108W53  
Sheet 1 of 4  
Feeder Detail Map



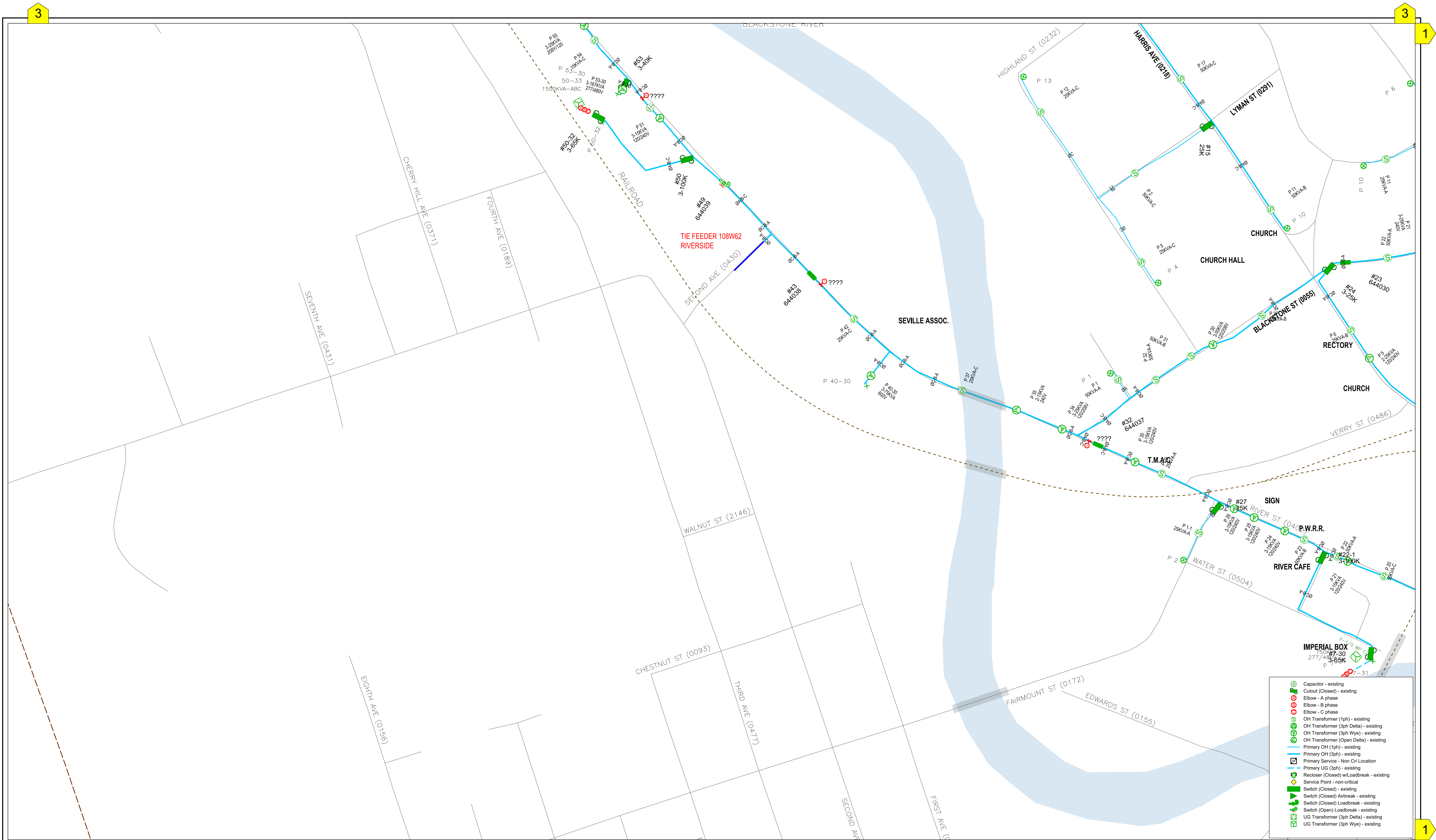




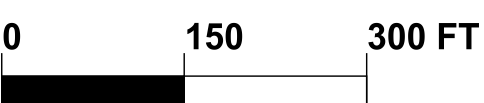


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RIVERSIDE 108W53  
13.8KV  
Sheet 3 of 4  
Feeder Detail Map

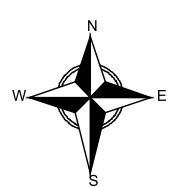


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4	1

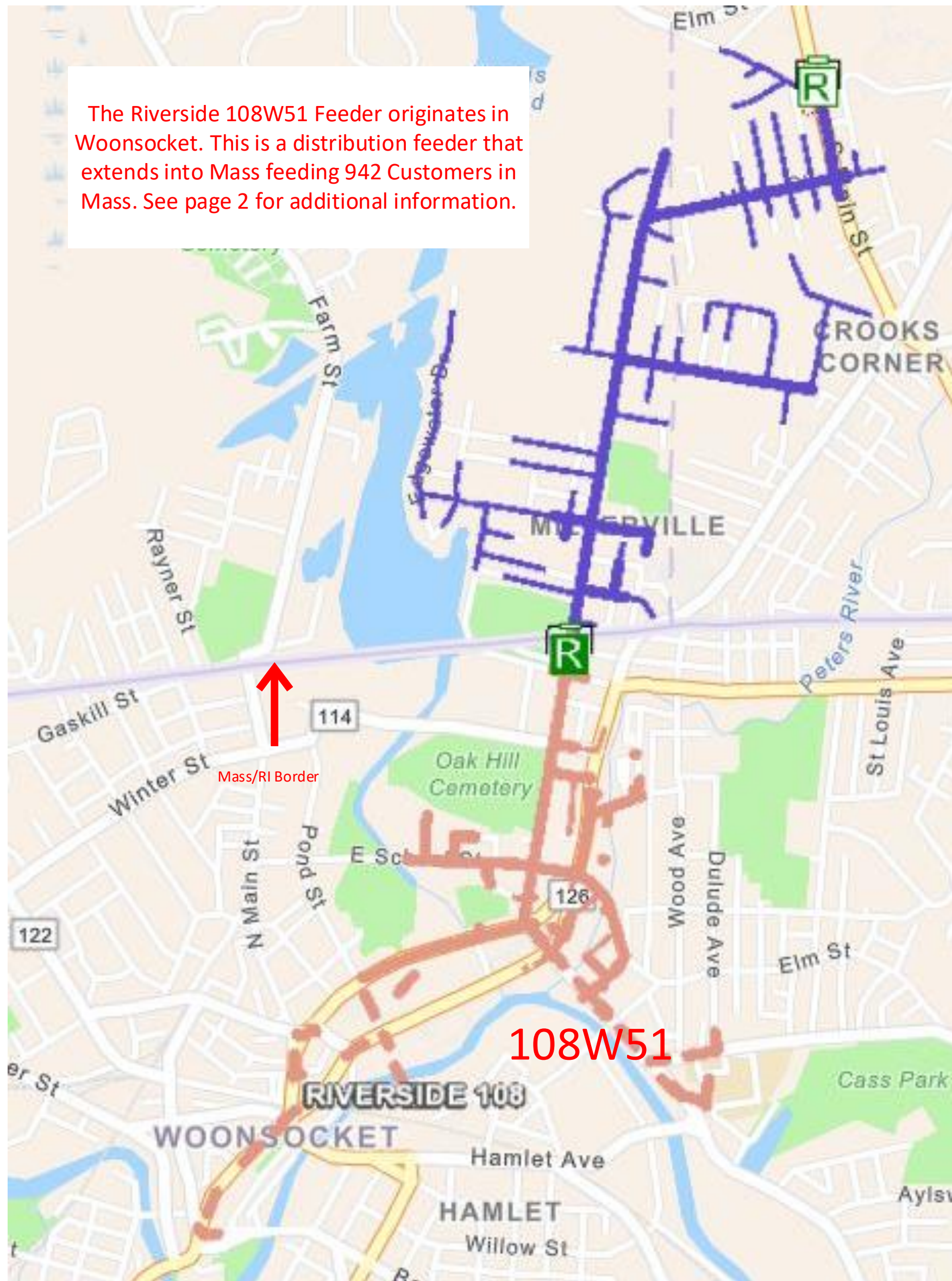
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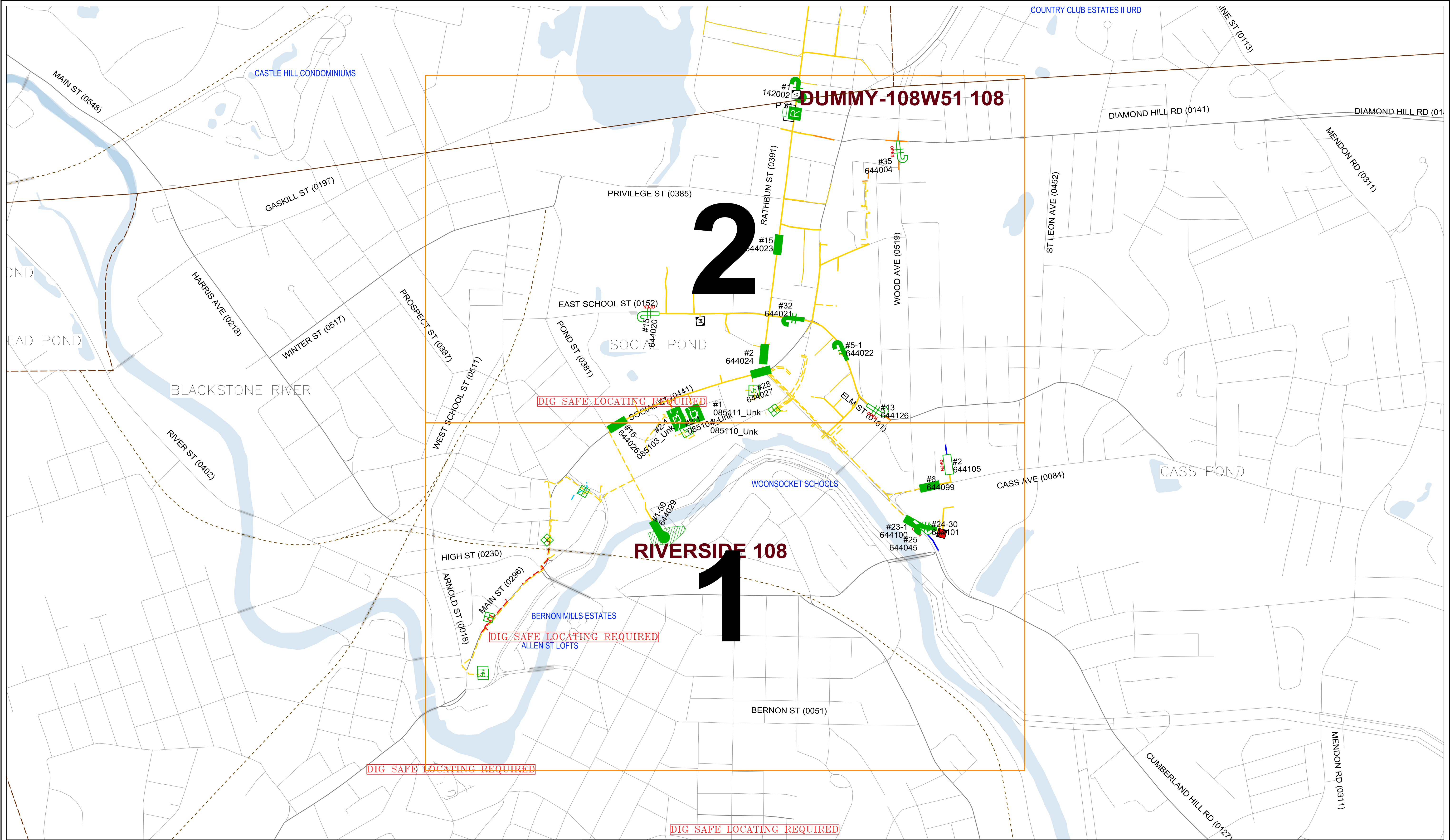
RIVERSIDE 108W53  
13.8KV  
Sheet 4 of 4  
Feeder Detail Map



The Riverside 108W51 Feeder originates in Woonsocket. This is a distribution feeder that extends into Mass feeding 942 Customers in Mass. See page 2 for additional information.







OP District: CAPITAL  
GIS Alternative: DM Top  
Date Printed: 07/12/2017

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2  
1

nationalgrid



13.8KV

RIVERSIDE 108W51

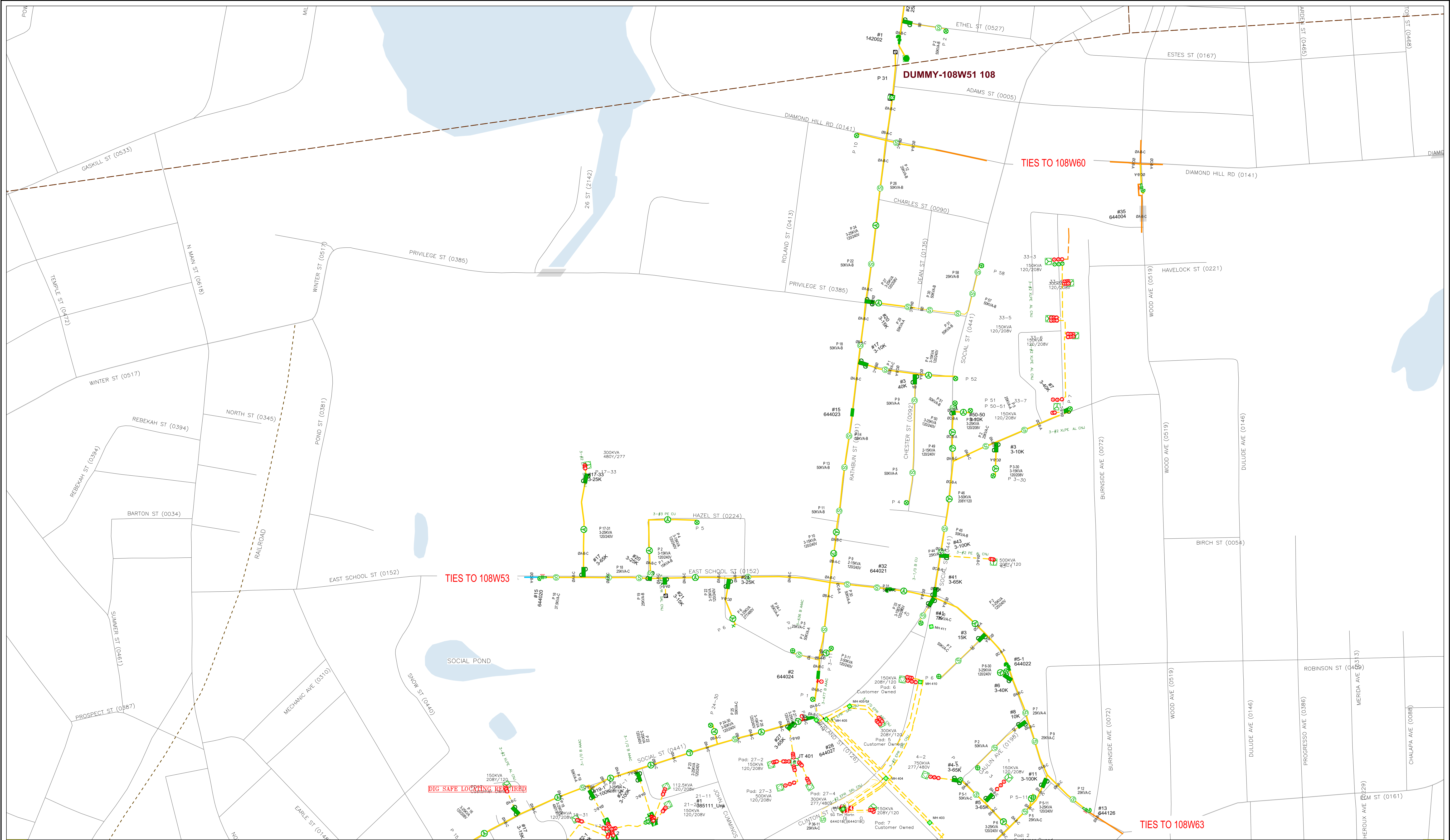
Index Map

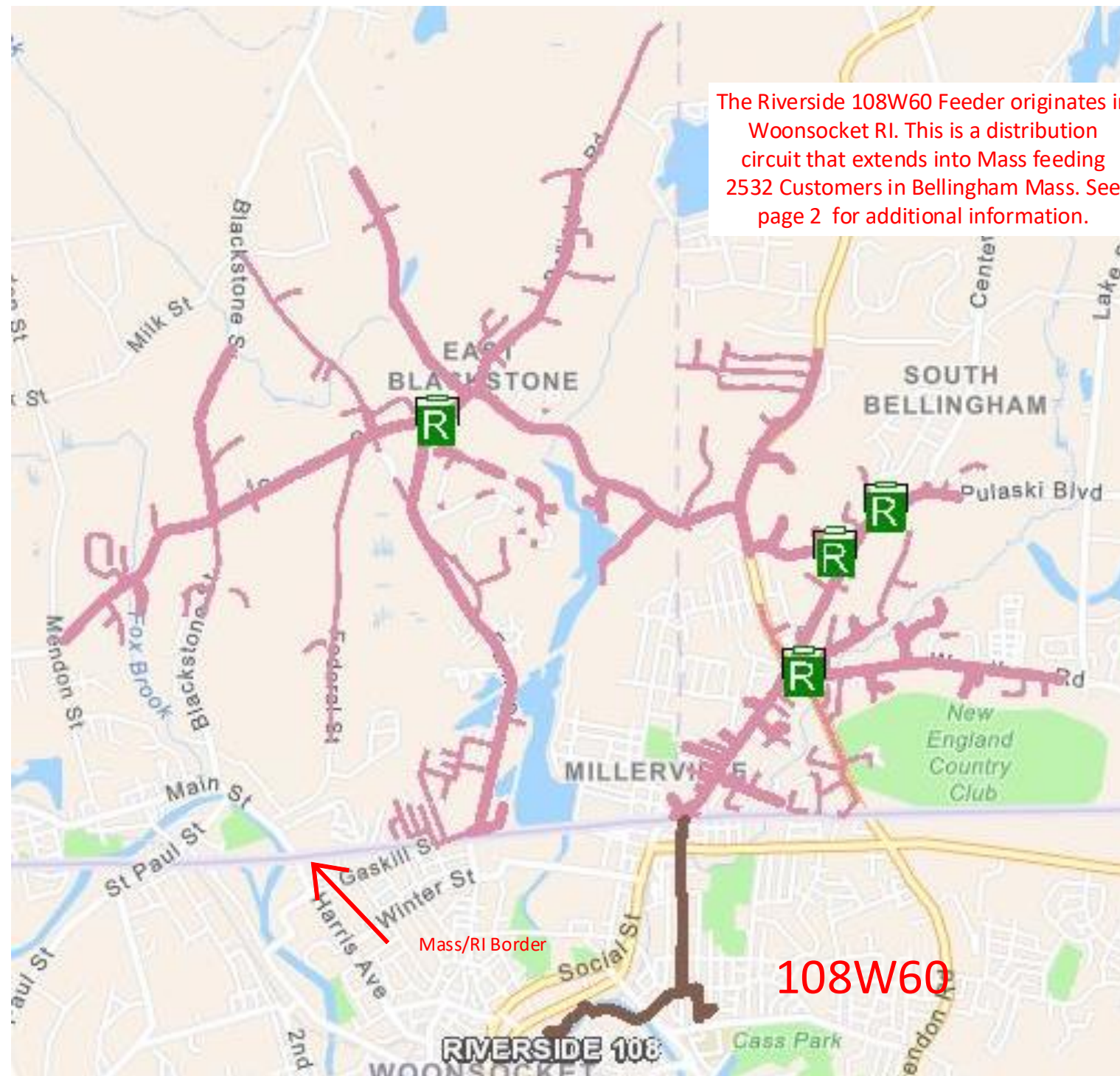




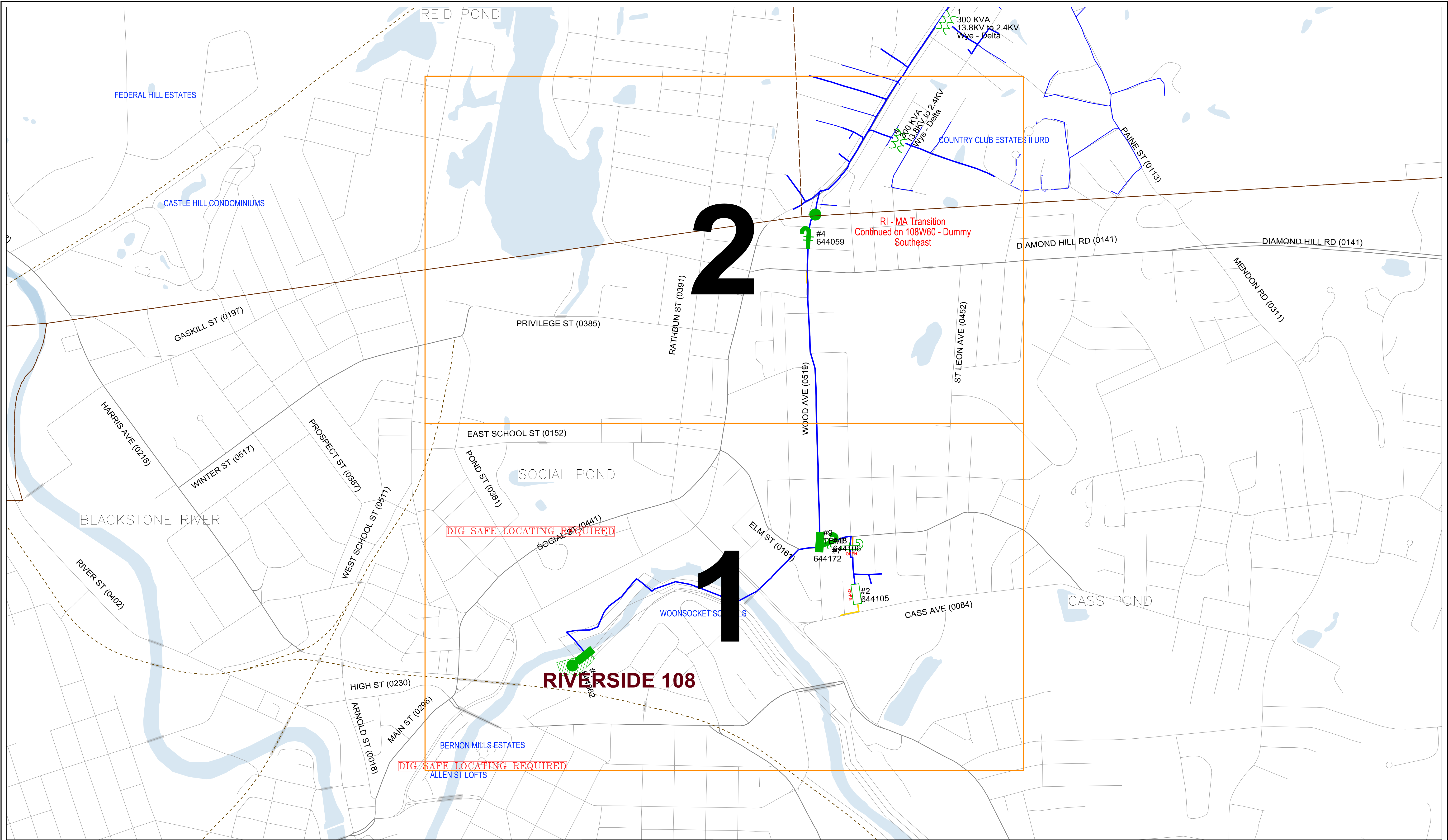
13.8KV RIVERSIDE 108W51  
Sheet 1 of 2  
Feeder Detail Map











OP District: CAPITAL  
GIS Alternative: DM Top  
Date Printed: 05/16/2017

0 480 960 FT

2  
1

nationalgrid

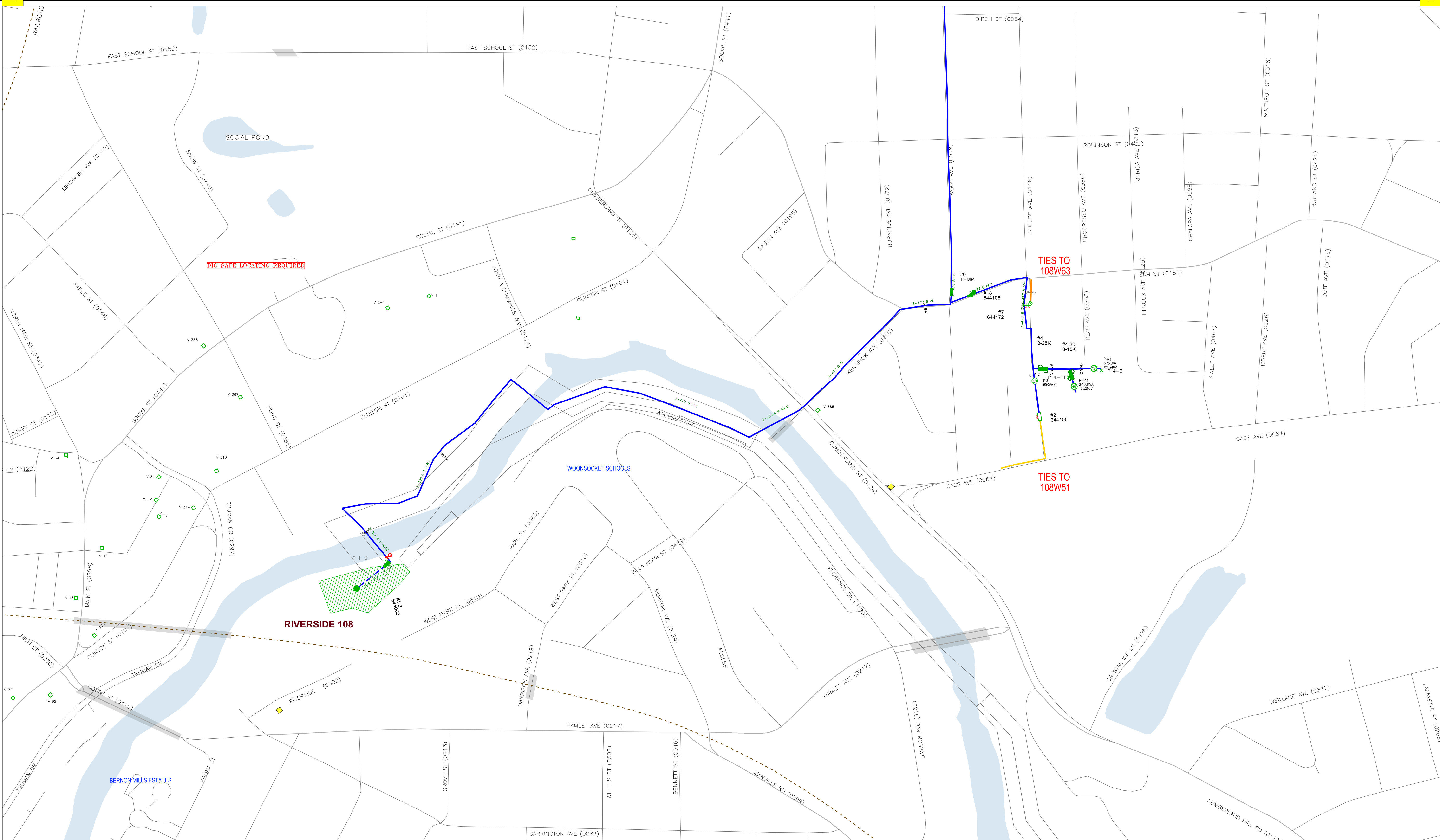


RIVERSIDE 108W60  
13.8KV  
Index Map



2

2

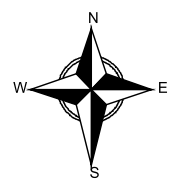


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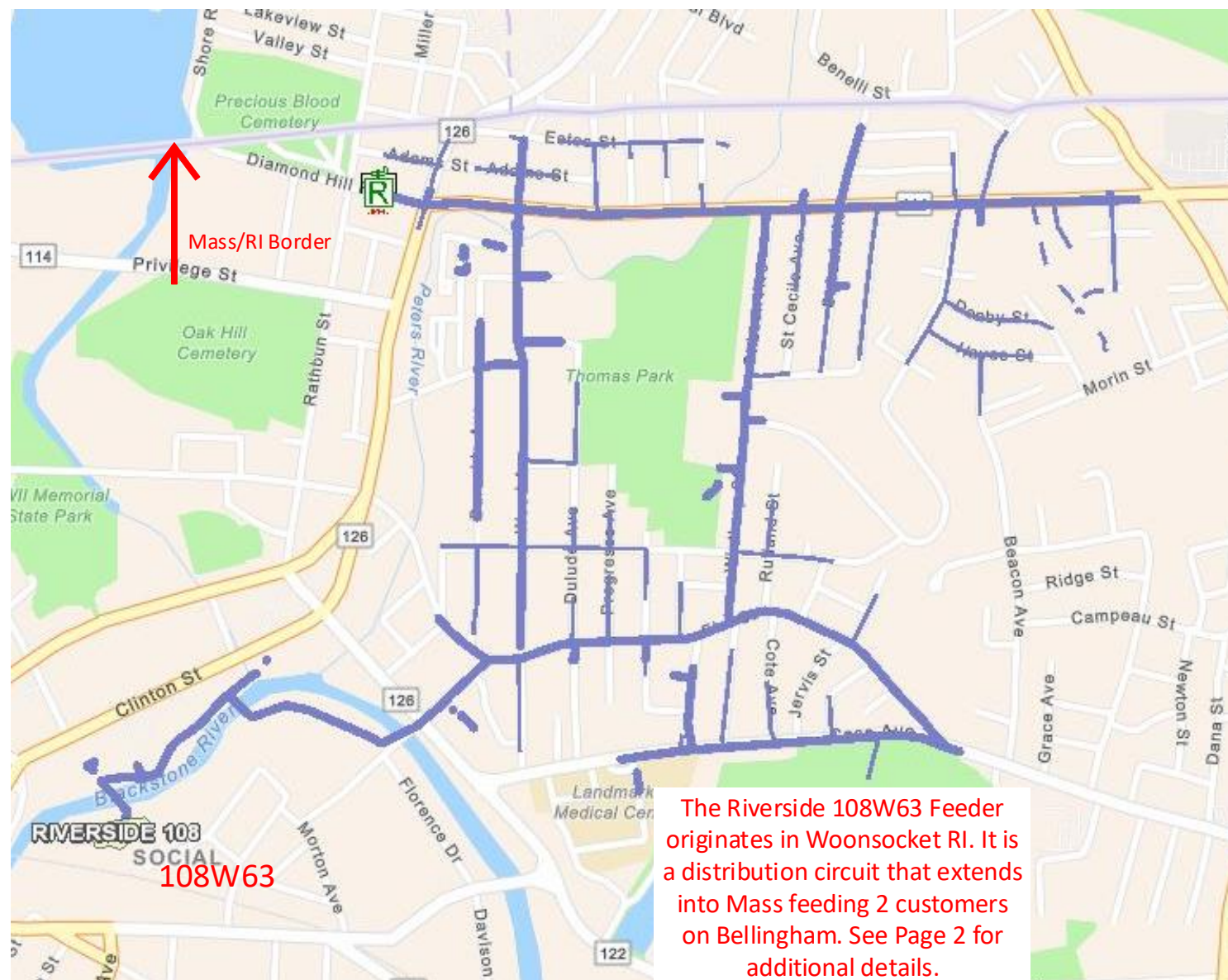
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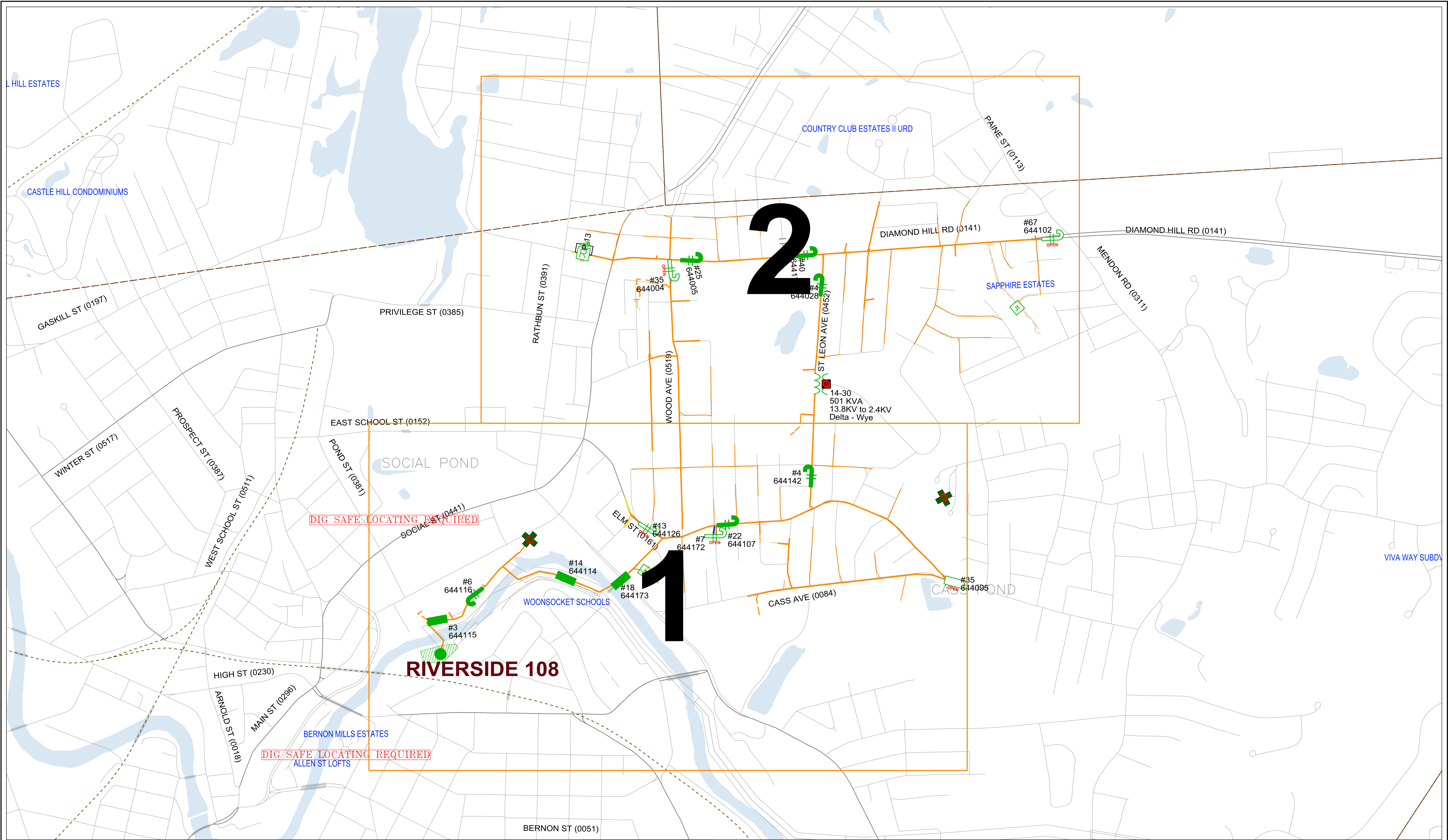
RIVERSIDE 108W60  
13.8KV  
Sheet 1 of 2  
Feeder Detail Map



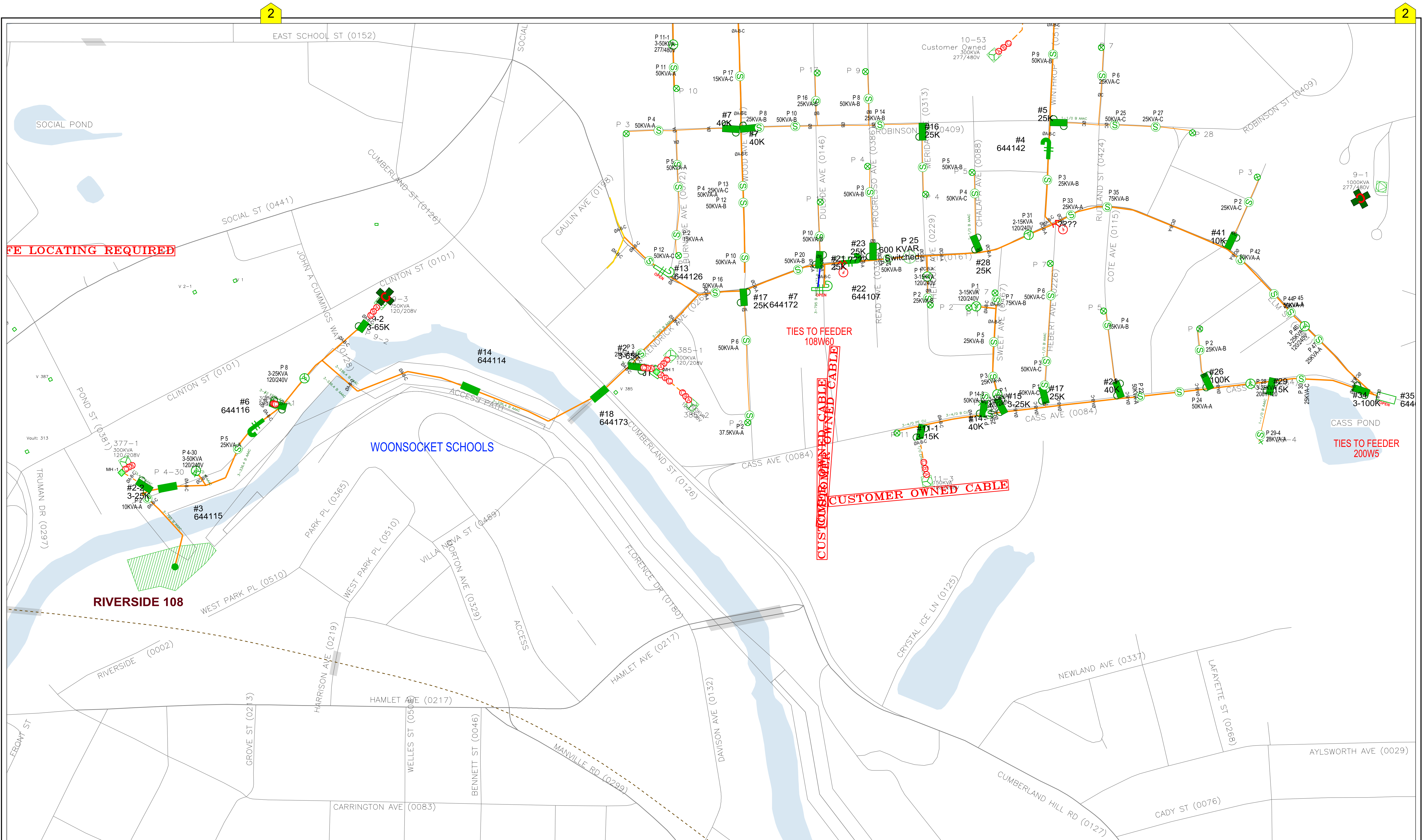










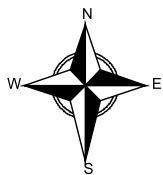


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nationalgrid



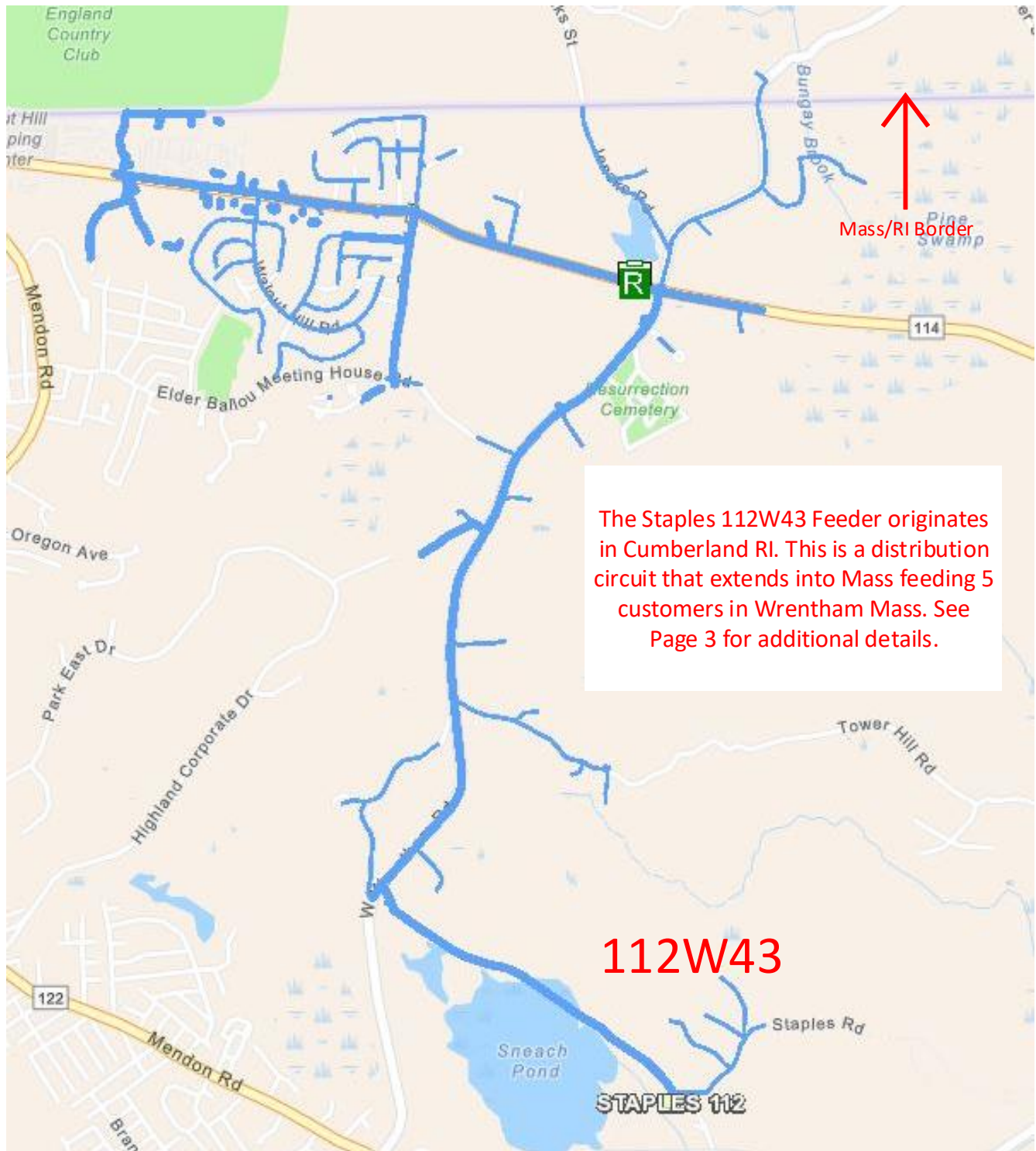
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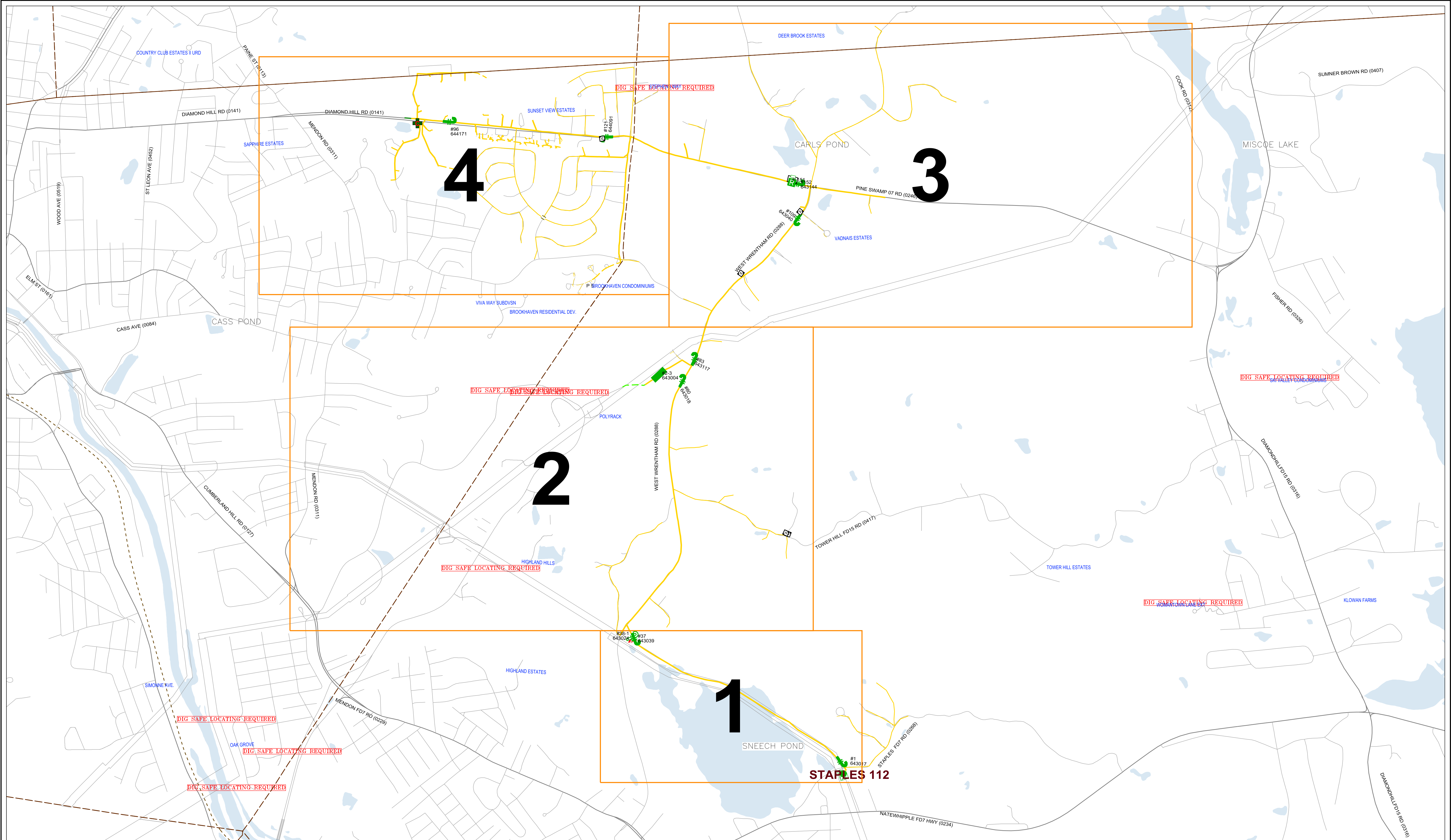
RIVERSIDE 108W63  
Sheet 1 of 2  
Feeder Detail Map



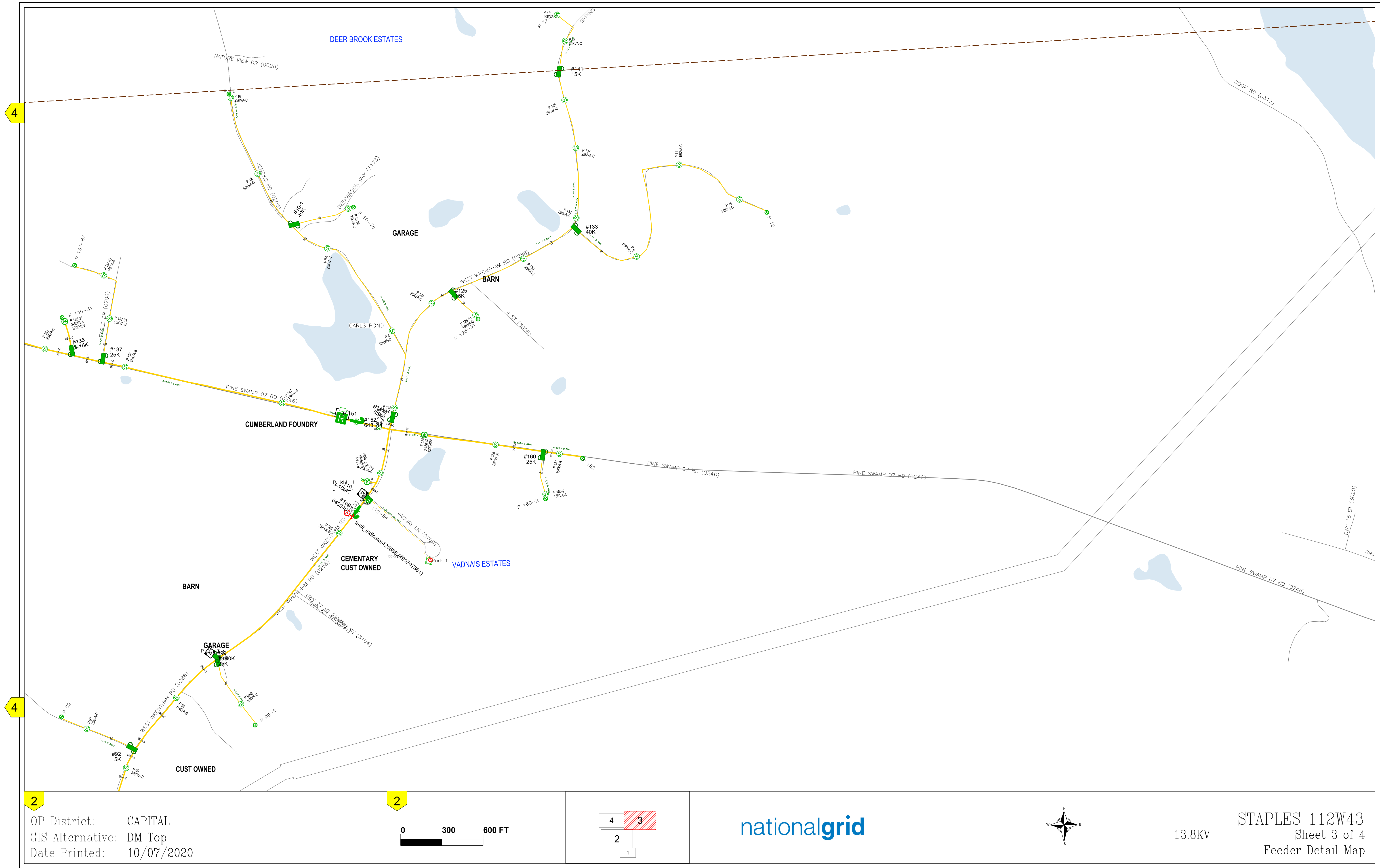


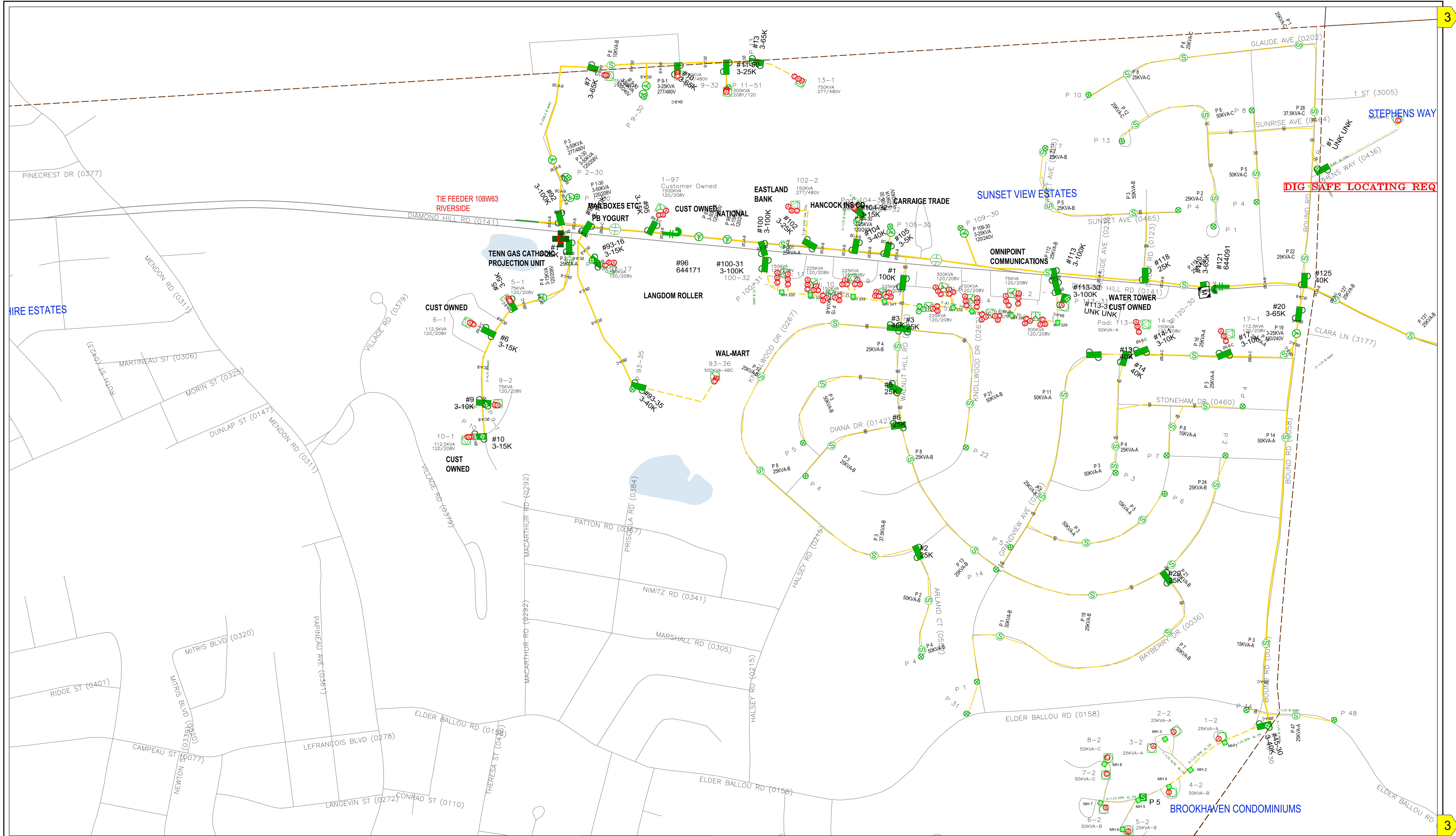






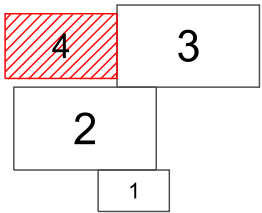




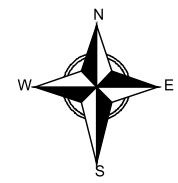


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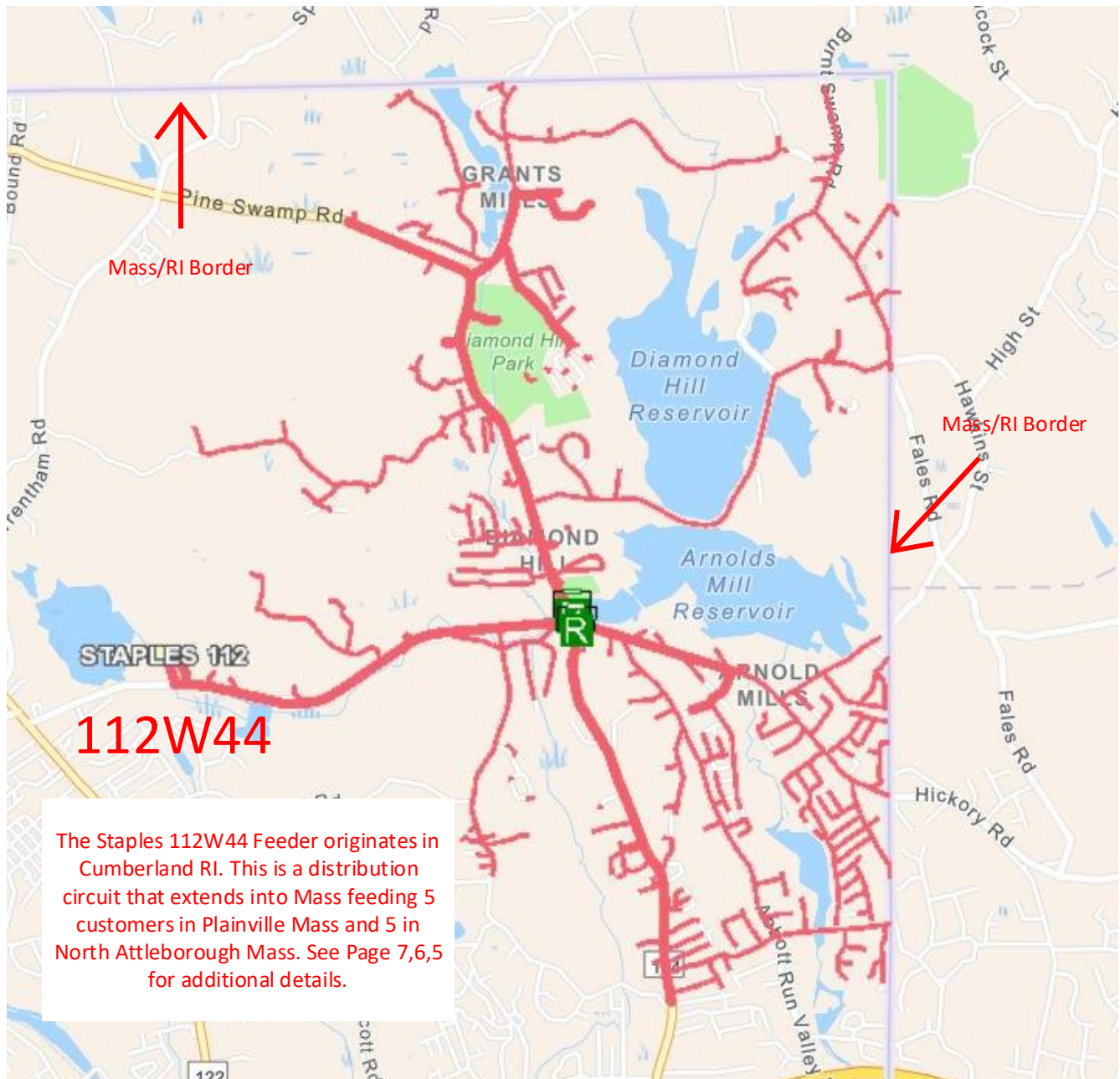


**nationalgrid**

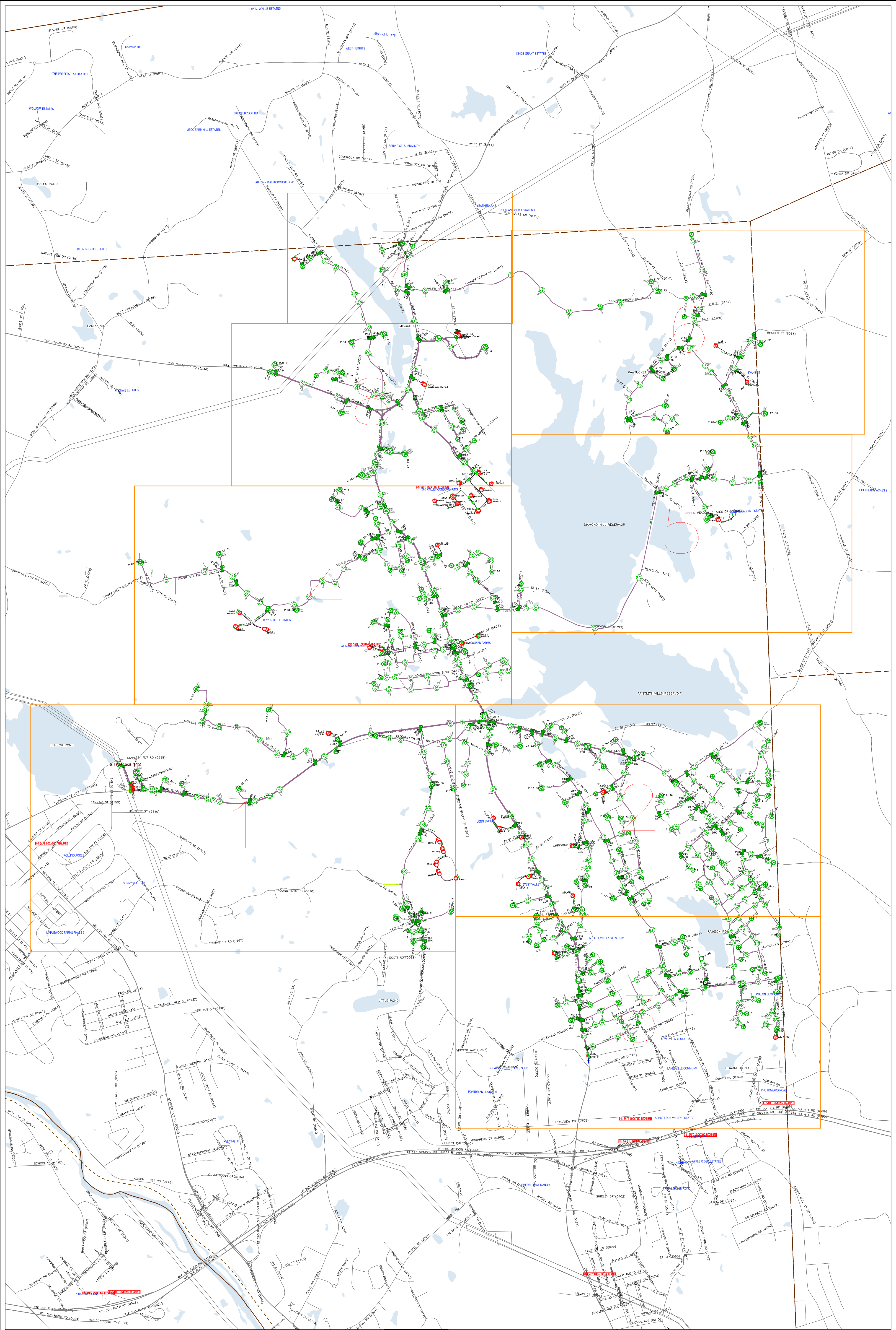


STAPLES 112W43  
Sheet 4 of 4  
Feeder Detail Map

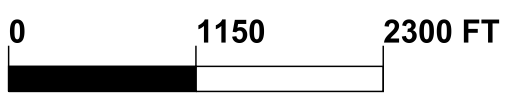






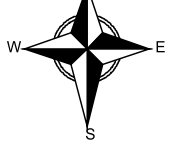


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Date Printed: 03/23/2021



7	6
8	5
4	5
1	2
	3

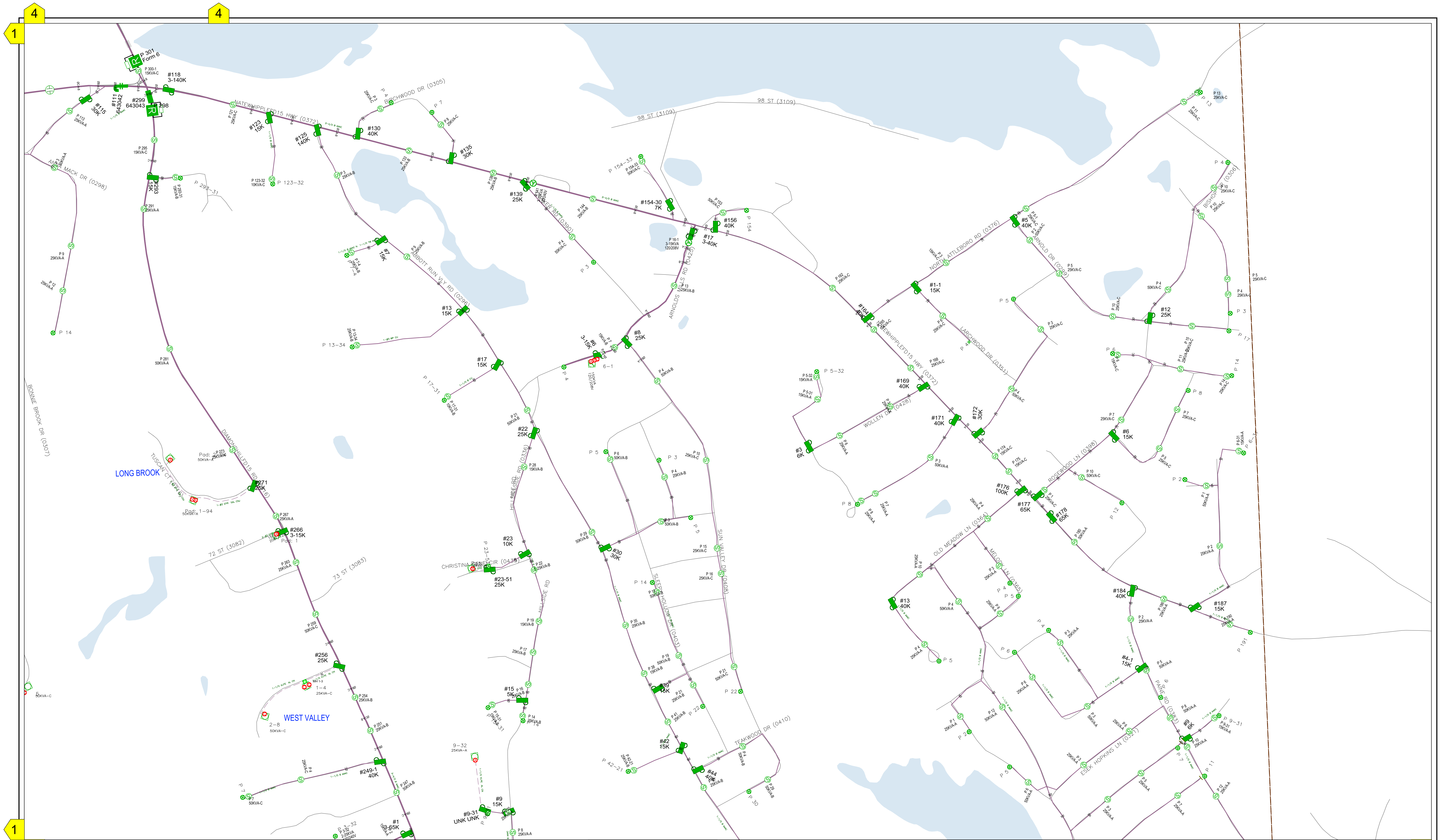
**nationalgrid**



STAPLES 112W44

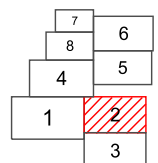
Index Map  
13.8KV



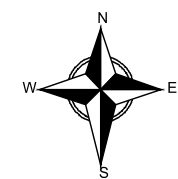


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Date Printed: 03/23/2021

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nationalgrid

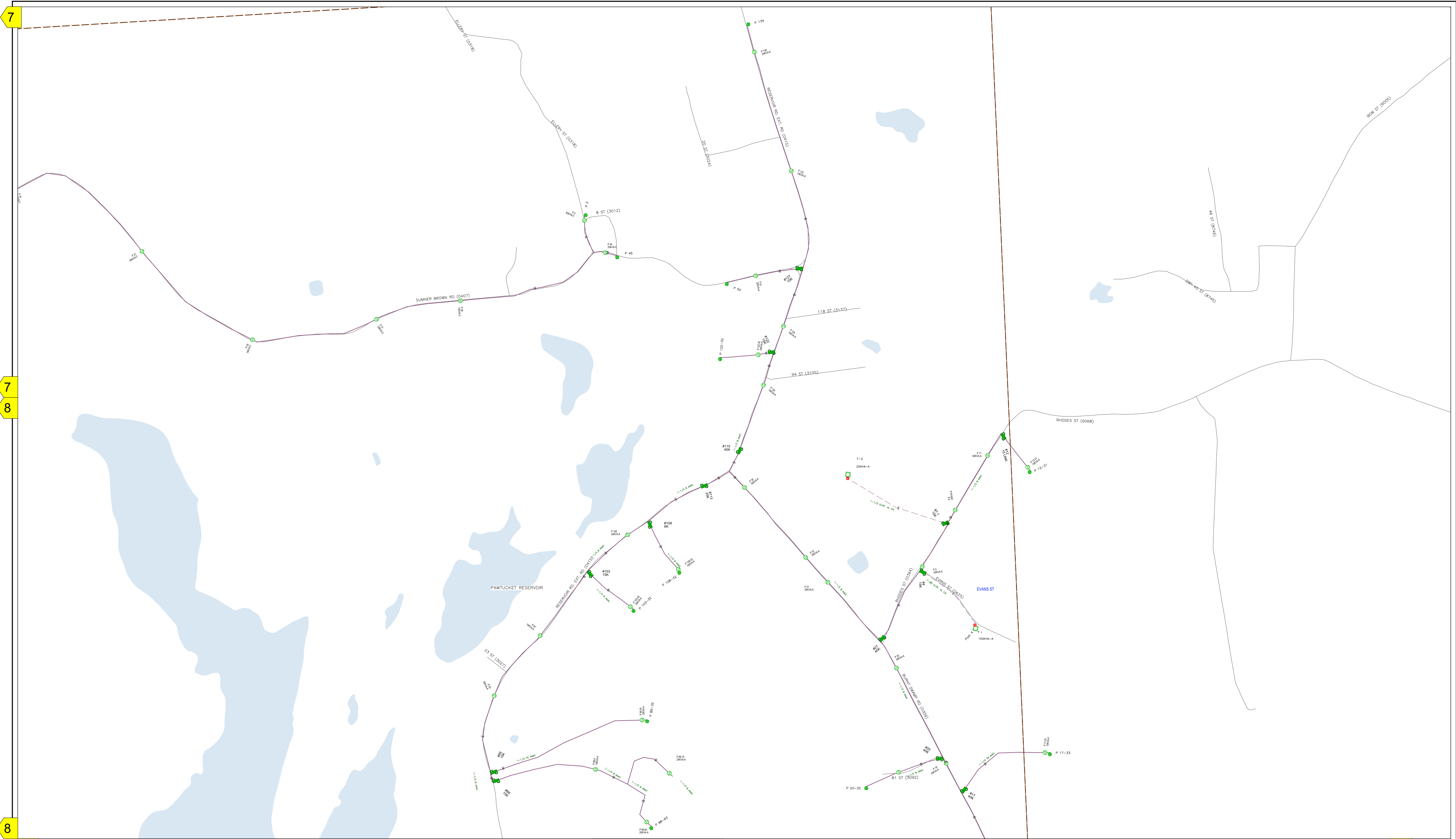


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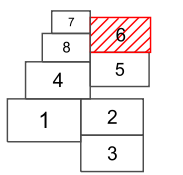
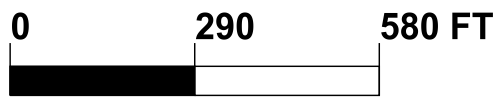
STAPLES 112W44  
Sheet 2 of 8  
Feeder Detail Map

STAPLES 112W44  
Sheet 5 of 8  
Feeder Detail Map

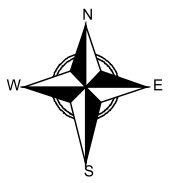




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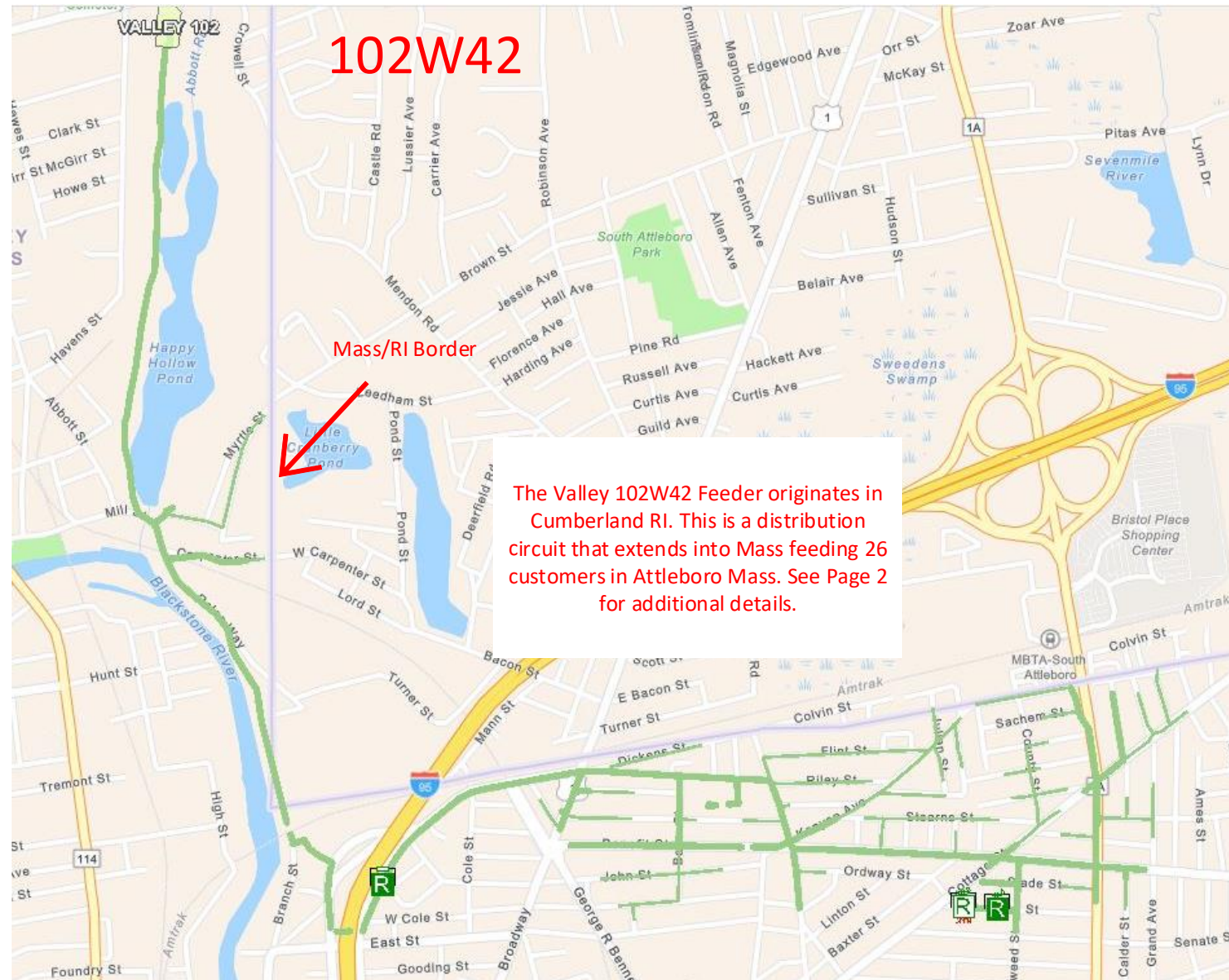
**nationalgrid**



13.8KV

**STAPLES 112W44**  
Sheet 6 of 8  
Feeder Detail Map

5

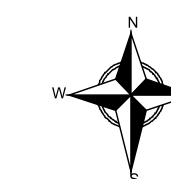




1

2

**nationalgrid**



VALLEY 102W42

Index Map  
13.8KV

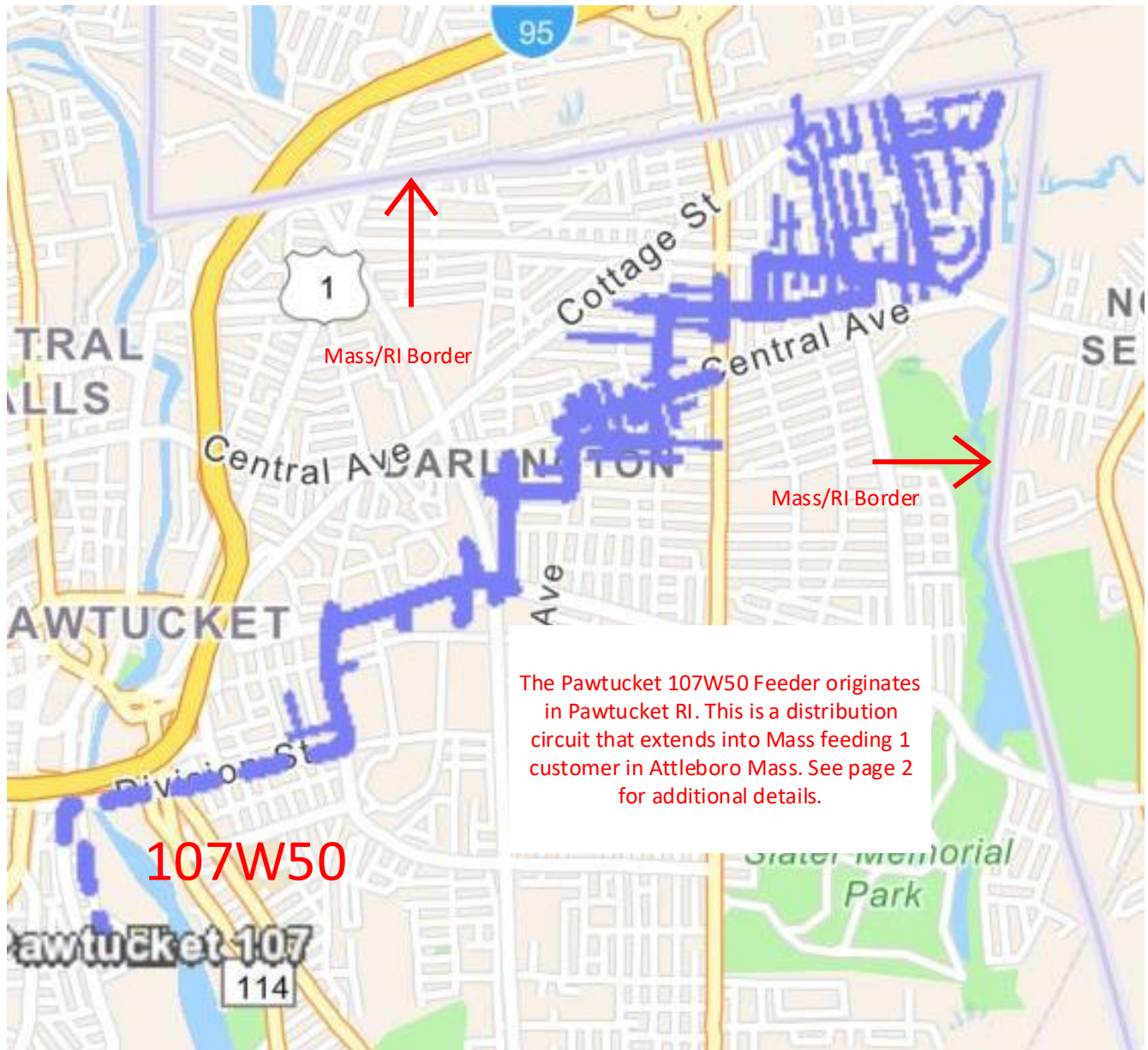




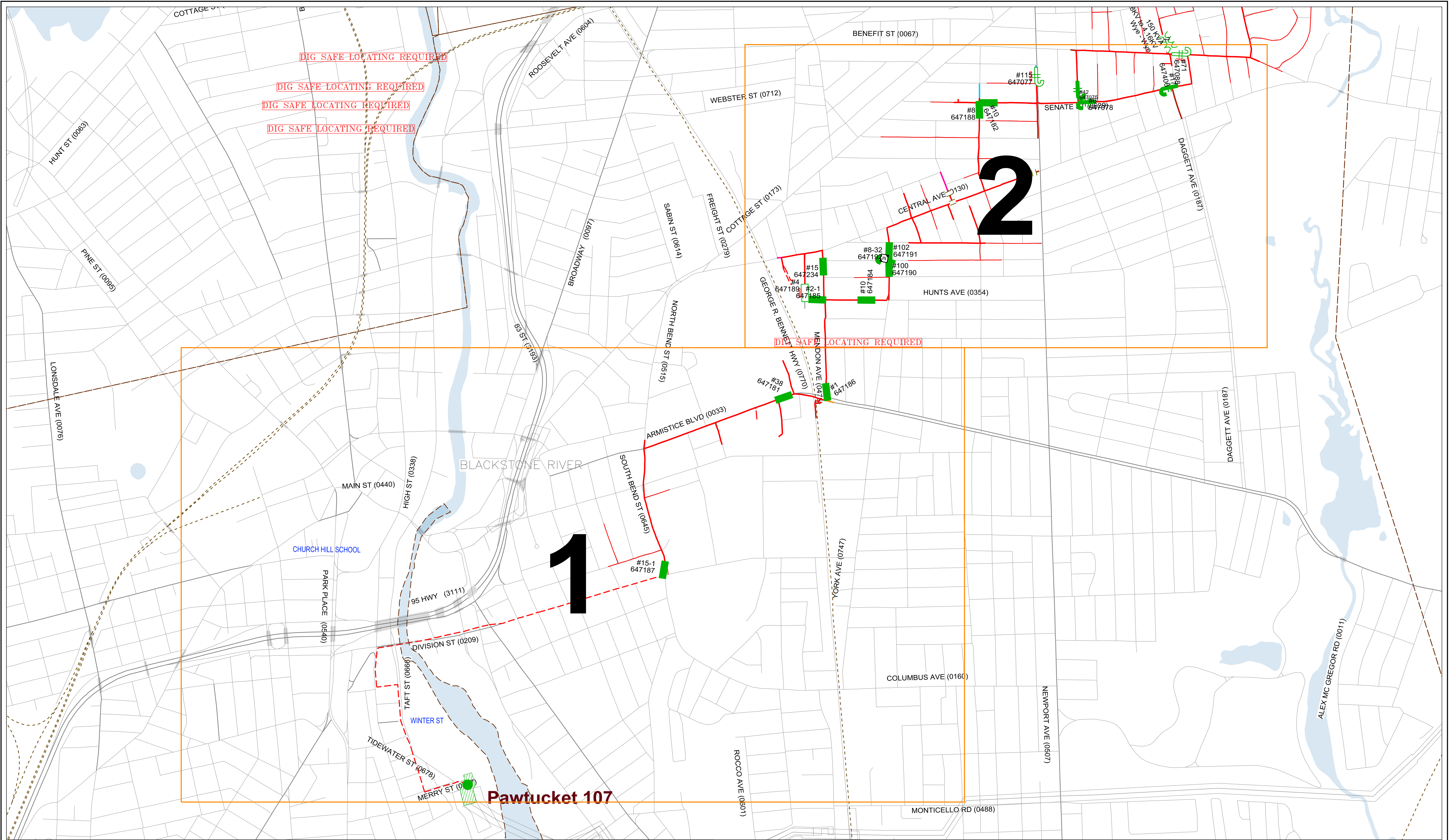






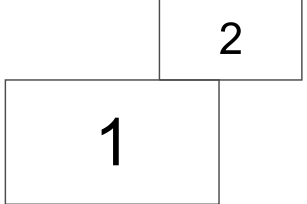






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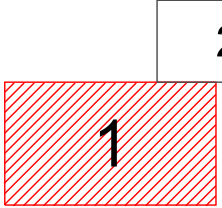
nationalgrid



PAWTUCKET 107W50

Index Map  
13.8KV



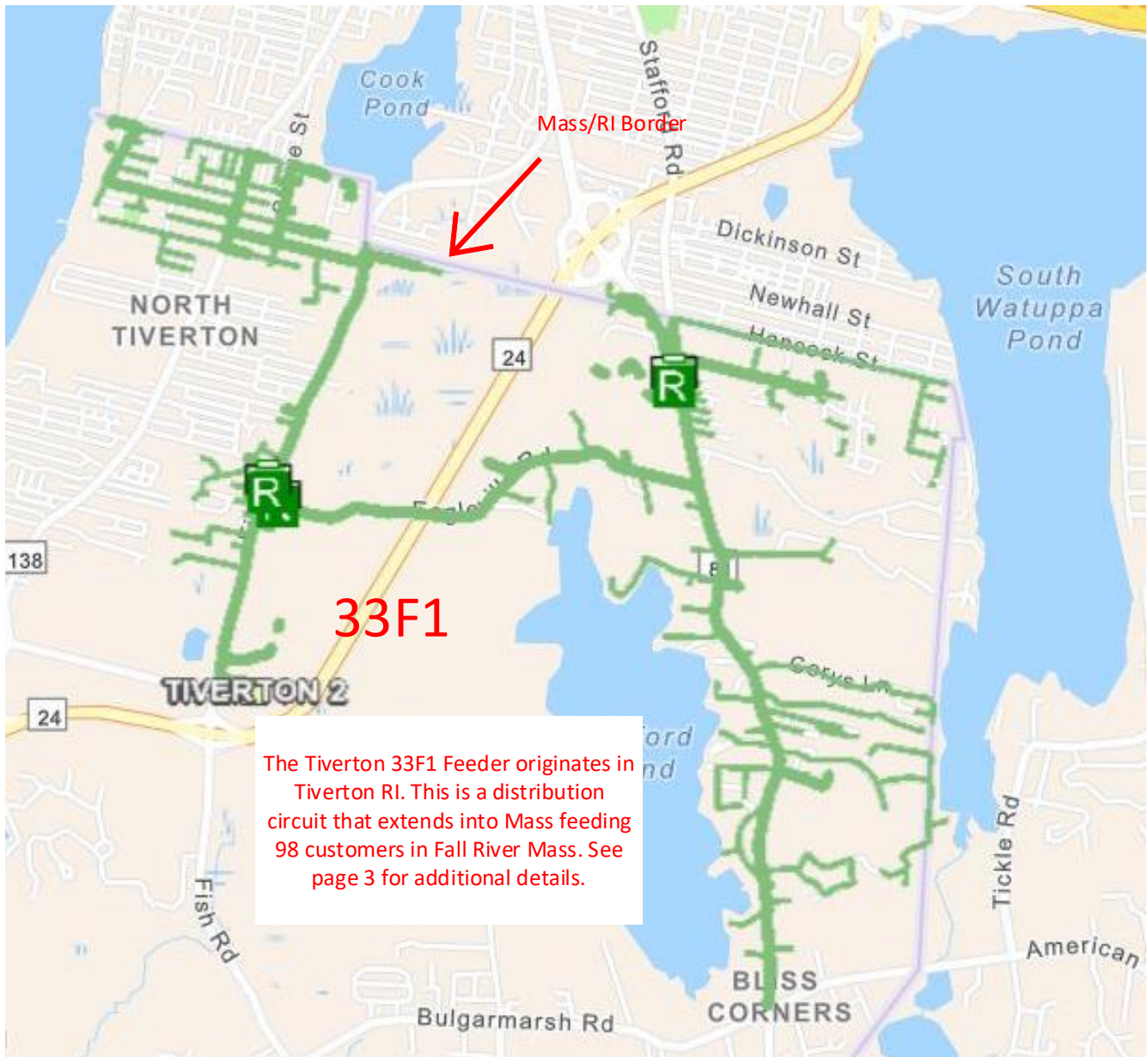


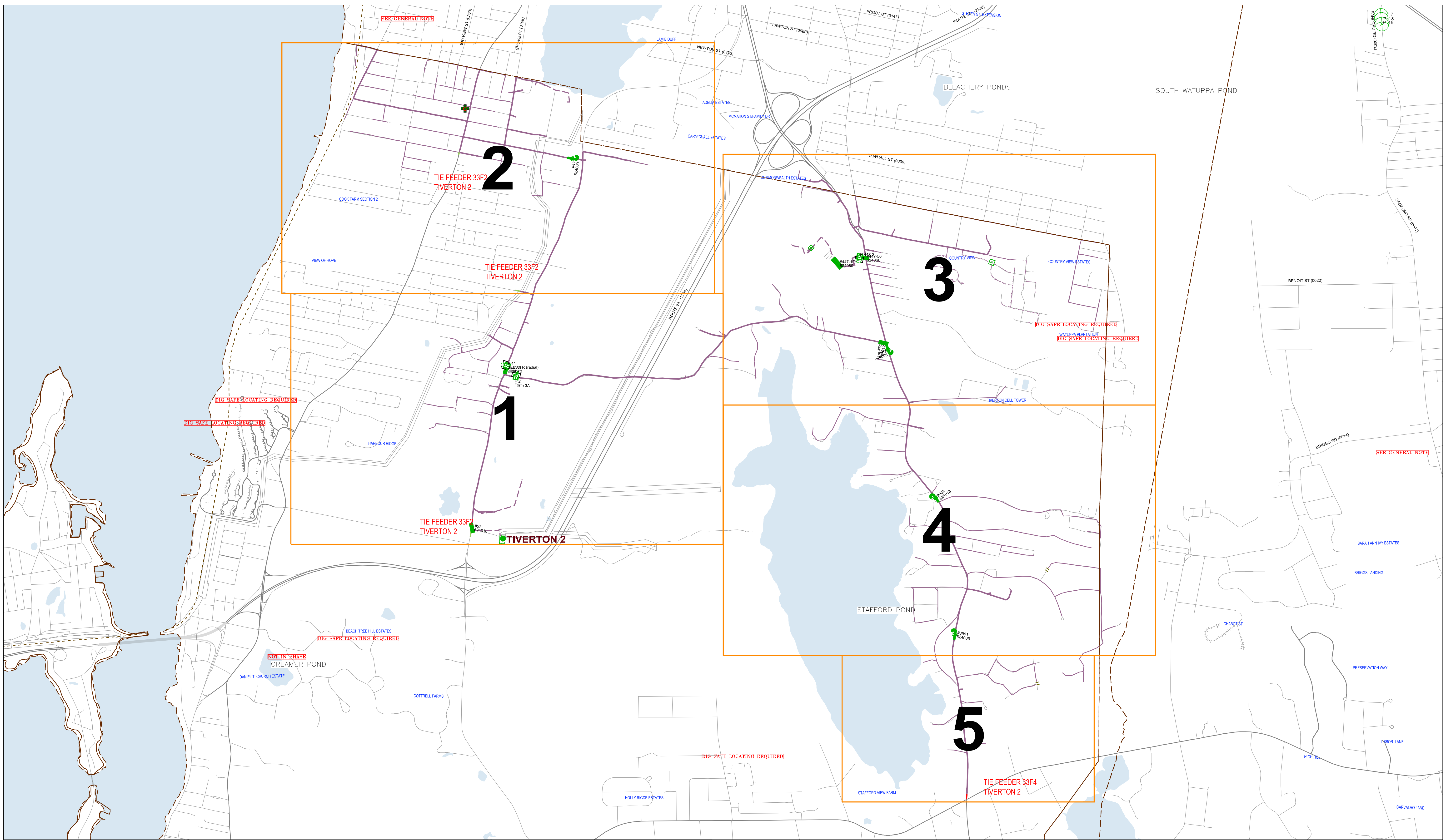
PAWTUCKET 107W50  
13.8KV Sheet 1 of 2  
Feeder Detail Map









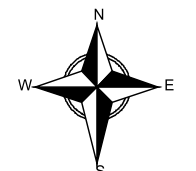


OP District: COASTAL  
GIS Alternative: DM Top  
Date Printed: 06/29/2019

0 999 1998 FT

2	3
1	4
	5

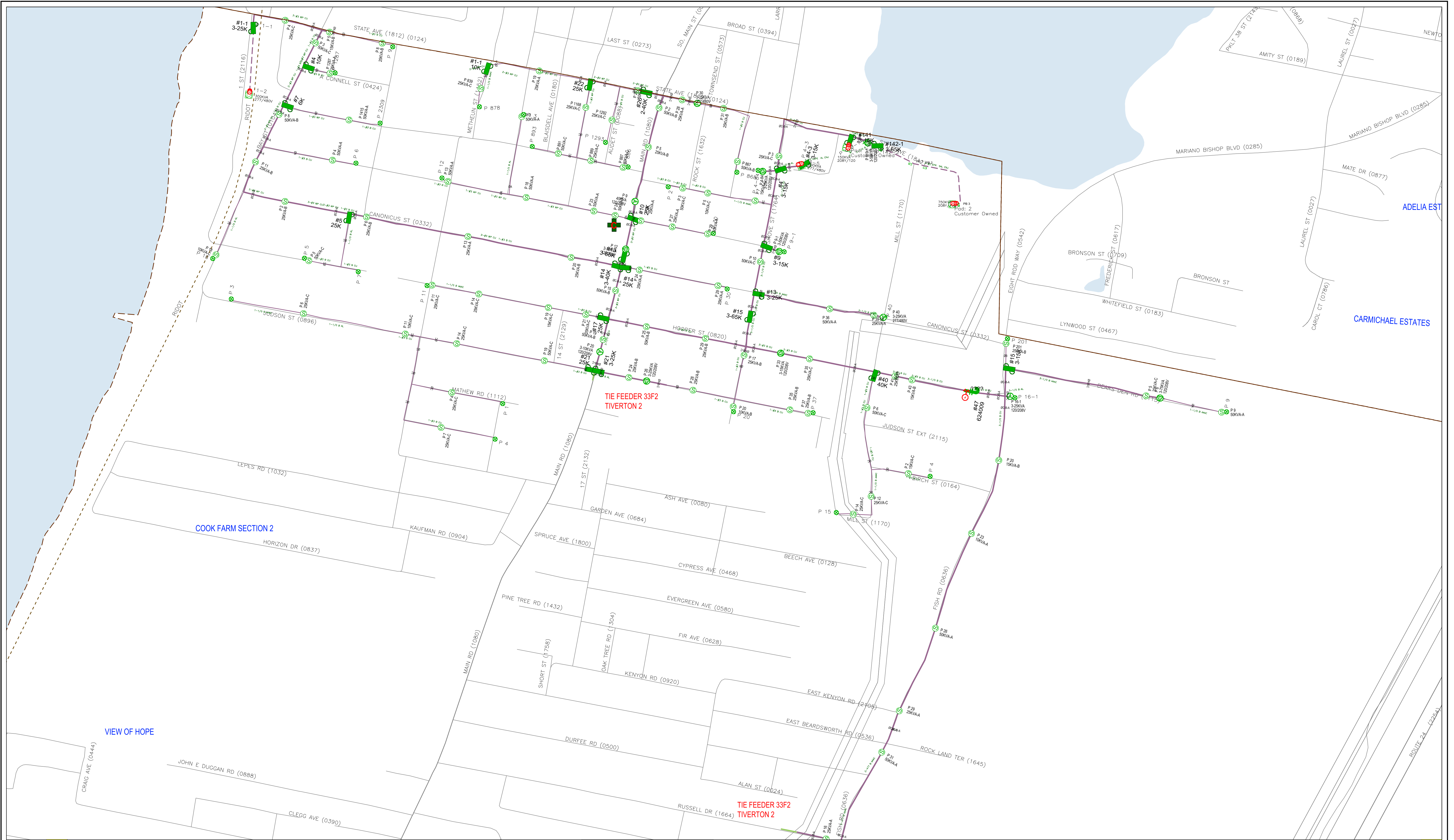
**nationalgrid**



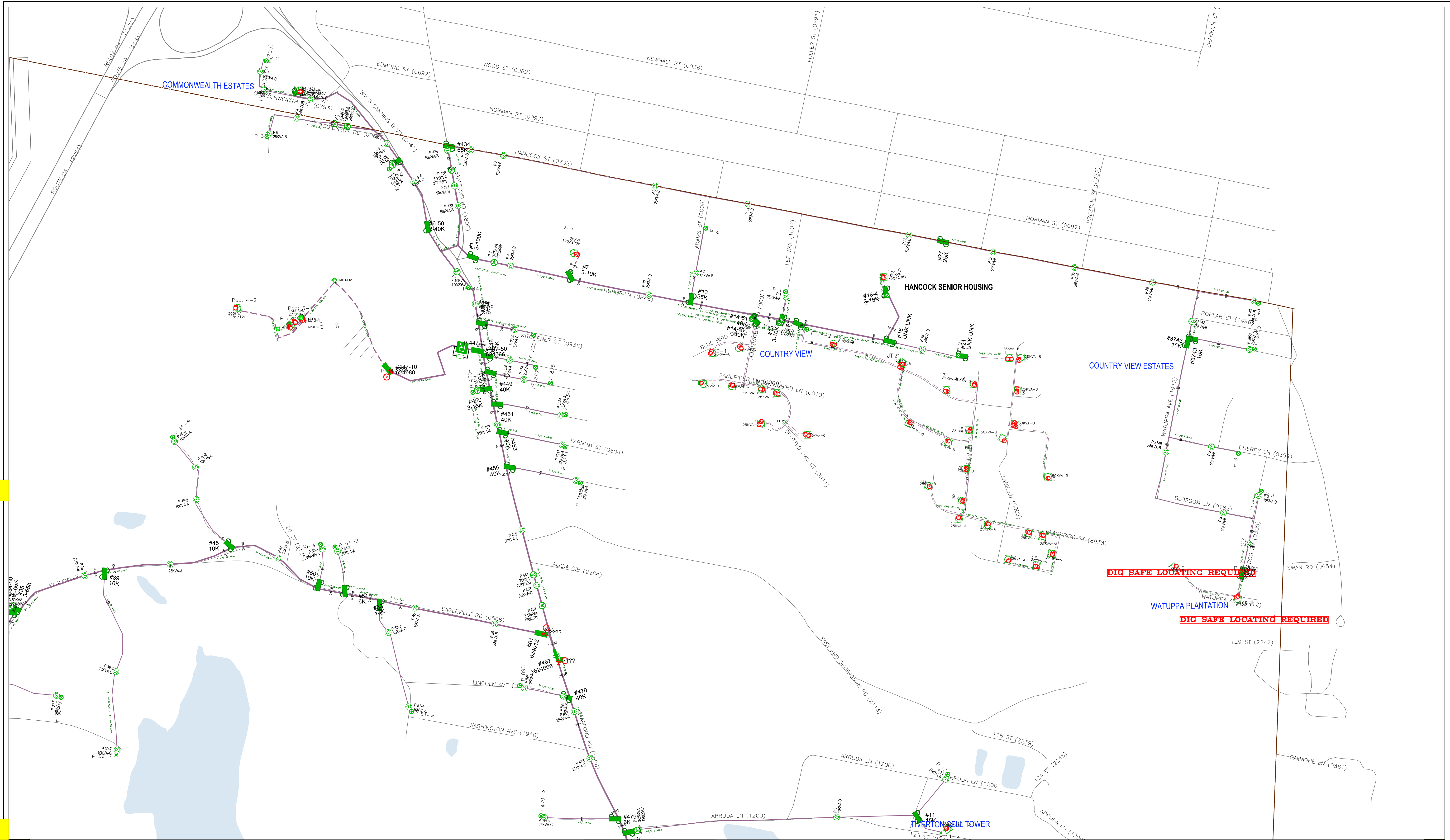
TIVERTON 33F1

Index Map  
12.47KV







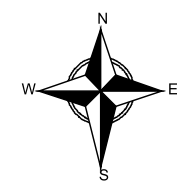


OP District: COASTAL  
GIS Alternative: DM Top  
Date Printed: 06/29/2019

0 300 600 FT

2	3
1	4
	5

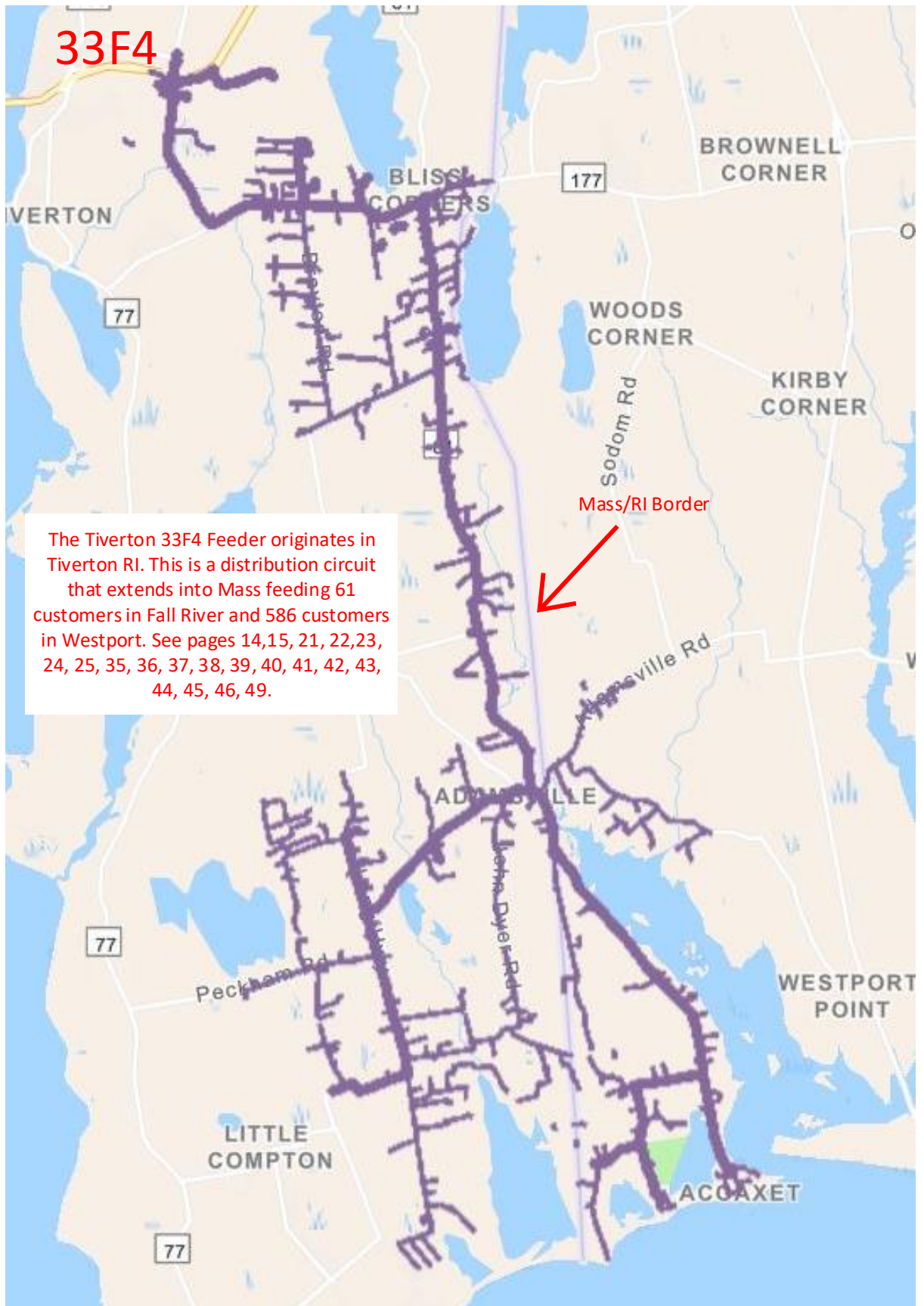
nationalgrid



12.47KV

TIVERTON 33F1  
Sheet 3 of 5  
Feeder Detail Map





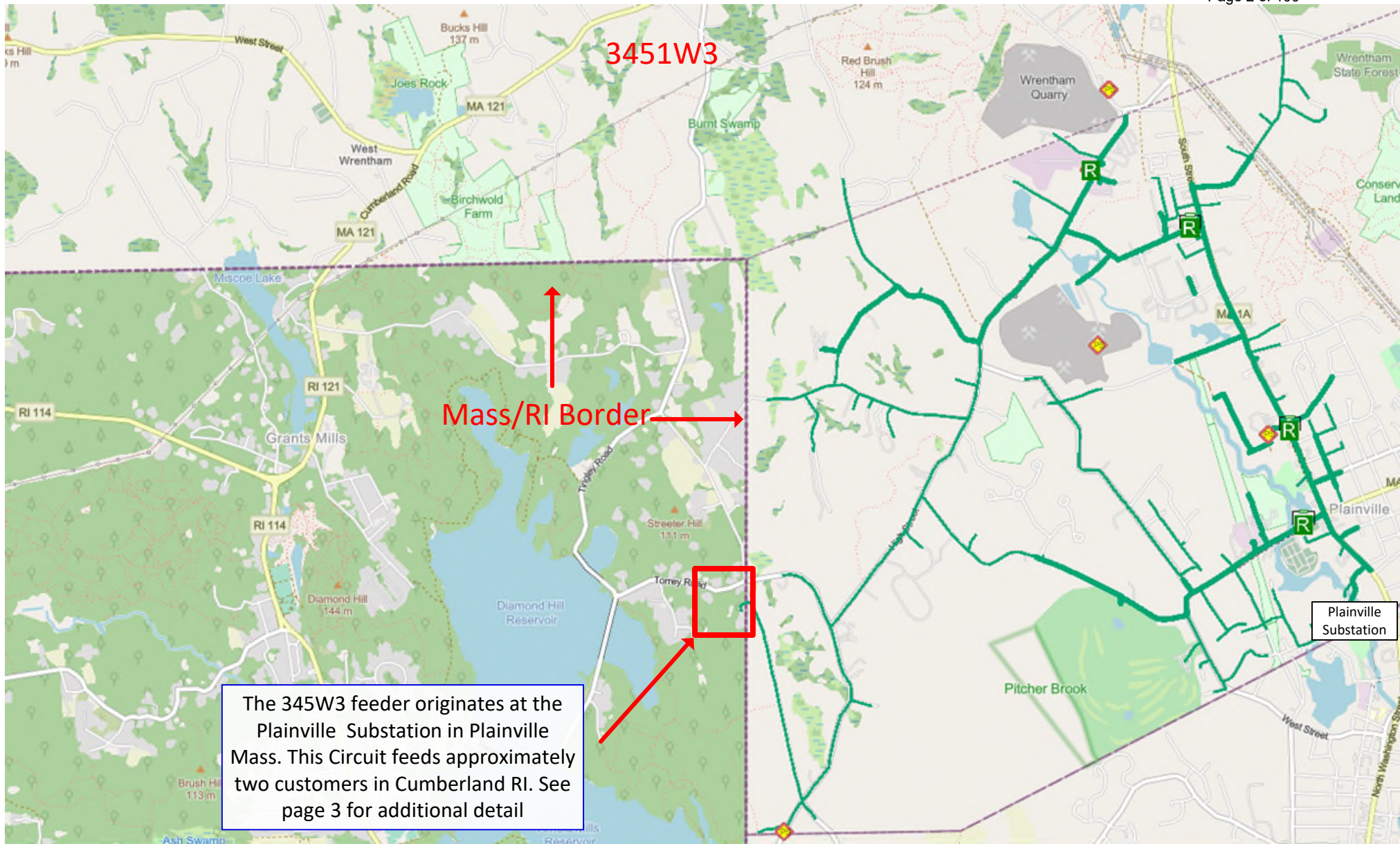
**RI customers served by MA Assets**

<b>Feeder</b>	<b>Customers</b>	<b>Street</b>	<b>Town From</b>	<b>Town To</b>
3451W3		2 Fales Rd	Plainville	Cumberland
2267		5 (Various)	Seekonk	East Providence
7L5		11 George St	Seekonk	Barrington
348W8		1 Heather Ln	Wrentham	Cumberland
7L3		2 Nye St	Seekonk	East Providence
11W81		2 Warren Ave	Swansea	Barrington
115W53		2 Lynwood St	Fall River	Tiverton

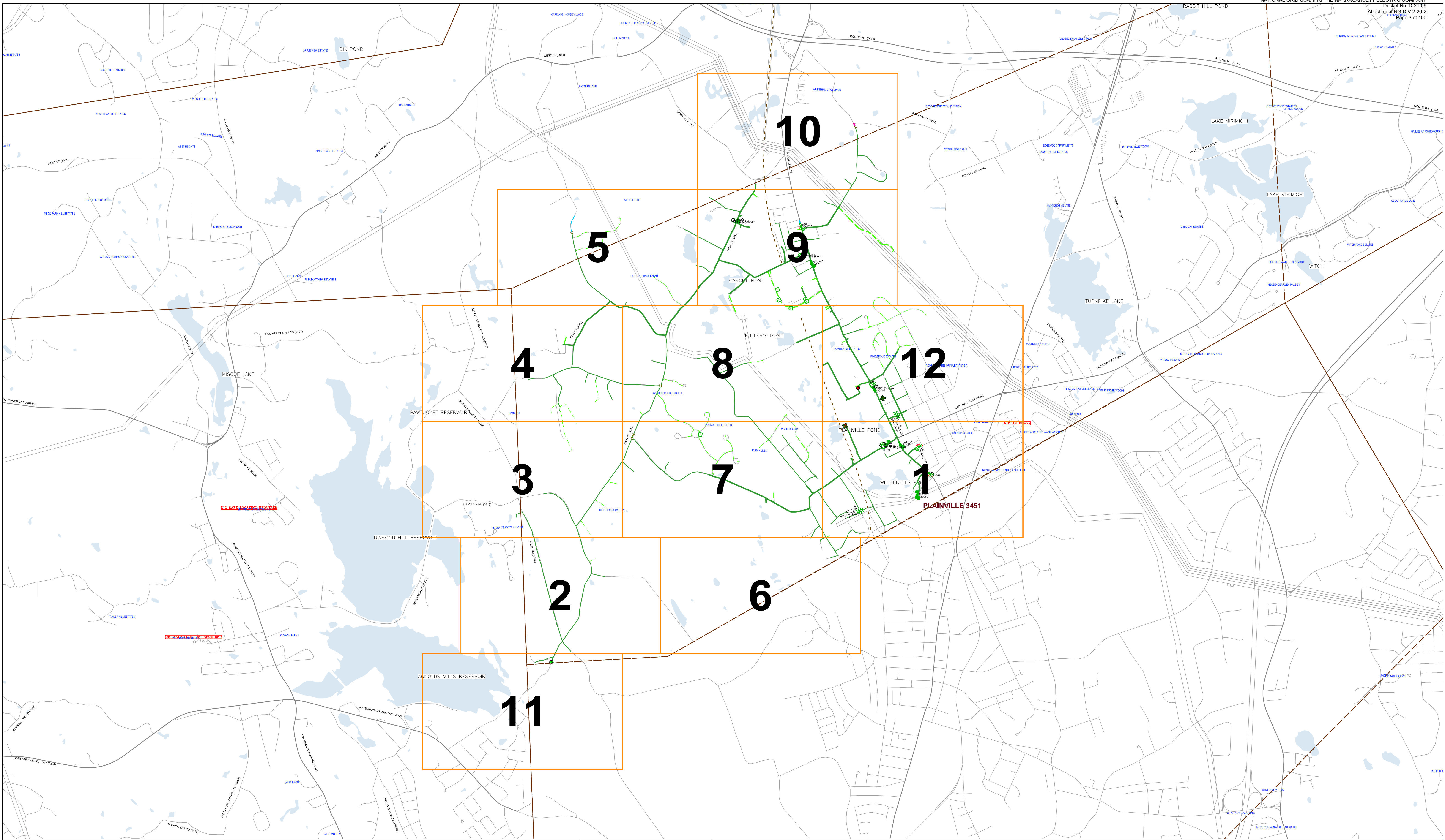
**RI customers served by RI Assets that pass through MA**

<b>Feeder</b>	<b>Customers</b>	<b>Street</b>	<b>Town From</b>	<b>Town To</b>
33F4		21 Whistler Point/Pequaw	Westport	Little Compton
33F4		3 ~409 Old Harbor	Westport	Little Compton
33F4		2 ~47 Old Harbor	Westport	Little Compton
33F4		1 ~110 Old Harbor	Westport	Little Compton
108W60		3 Gaskill St	Blackstone	Woonsocket
33F1		3 Elk Dr	Fall River	Tiverton

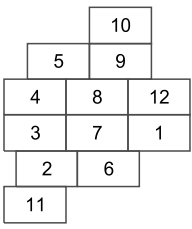
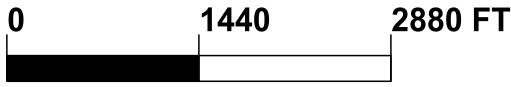








OP District: SOUTHEAST  
GIS Alternative: 3937 GIS Error  
Date Printed: 02/01/2021

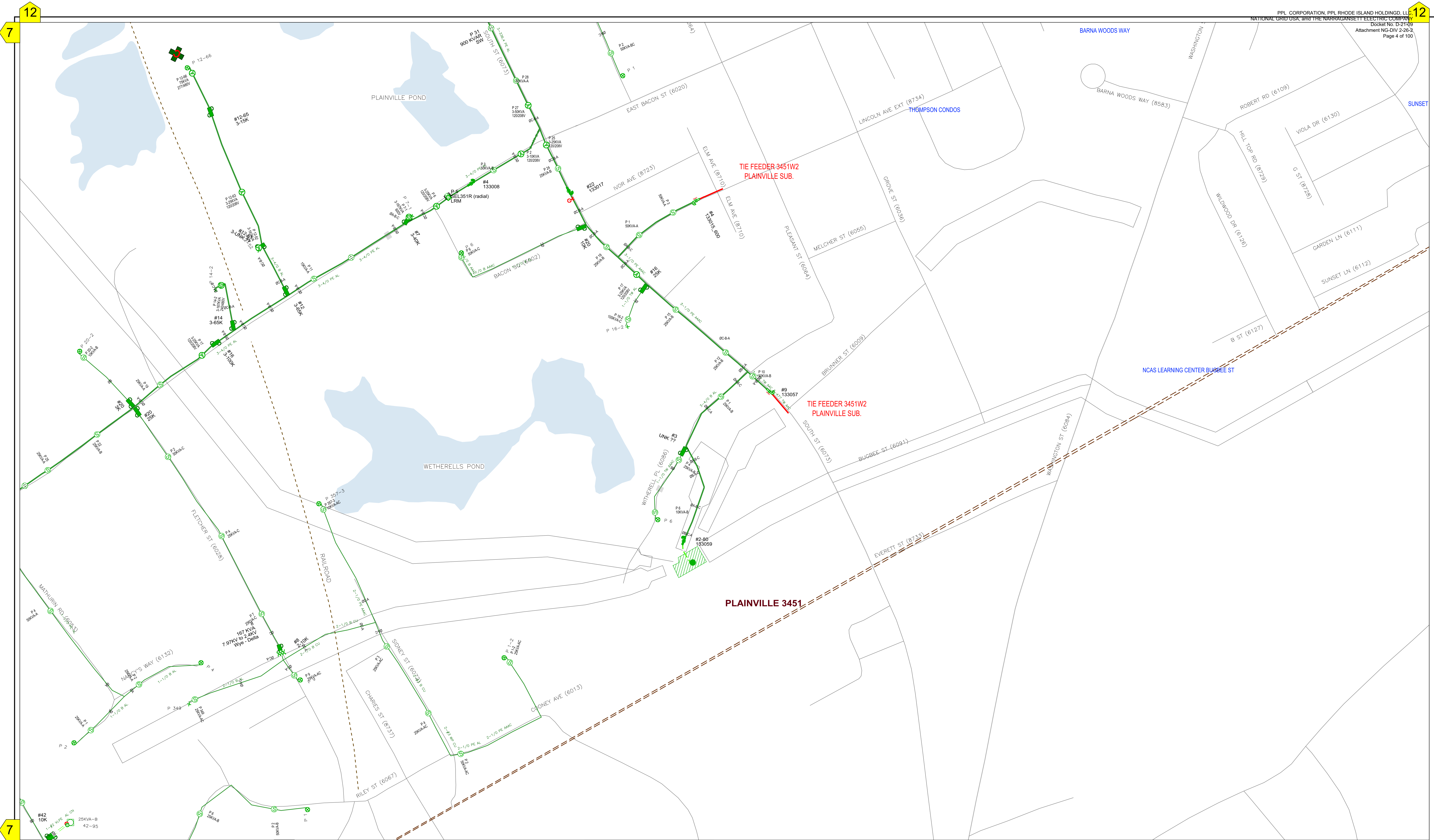


**nationalgrid**

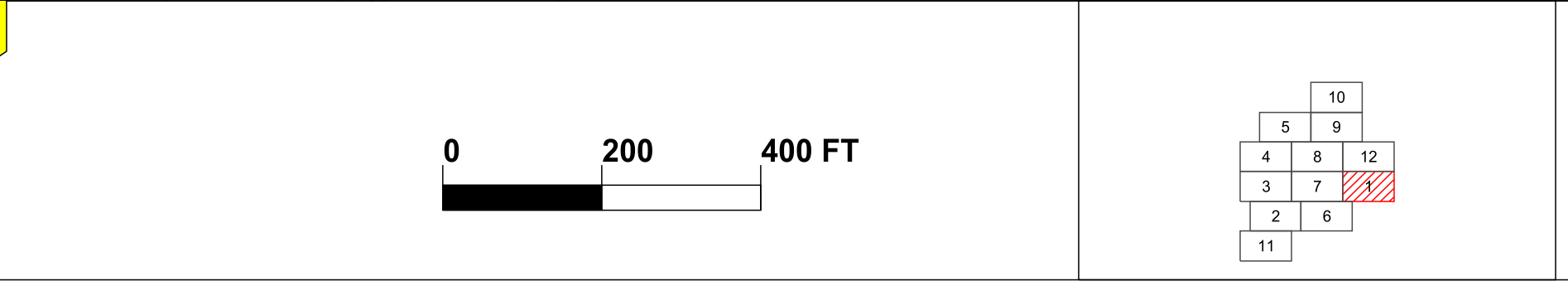


PLAINVILLE 3451W3  
13.8KV  
Index Map



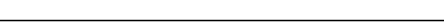


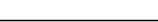
<b>6</b>	OP District: SOUTHEAST GIS Alternative: 3937 GIS Error Date Printed: 02/01/2021	<b>6</b>
----------	---------------------------------------------------------------------------------------	----------



A 5x5 grid with numbers and a shaded cell. The grid is as follows:

		10		
	5	9		
4	8		12	
3	7			
	2	6		
11				






PLAINVILLE 3451W3

Sheet 1 of 12

Feeder Detail Map



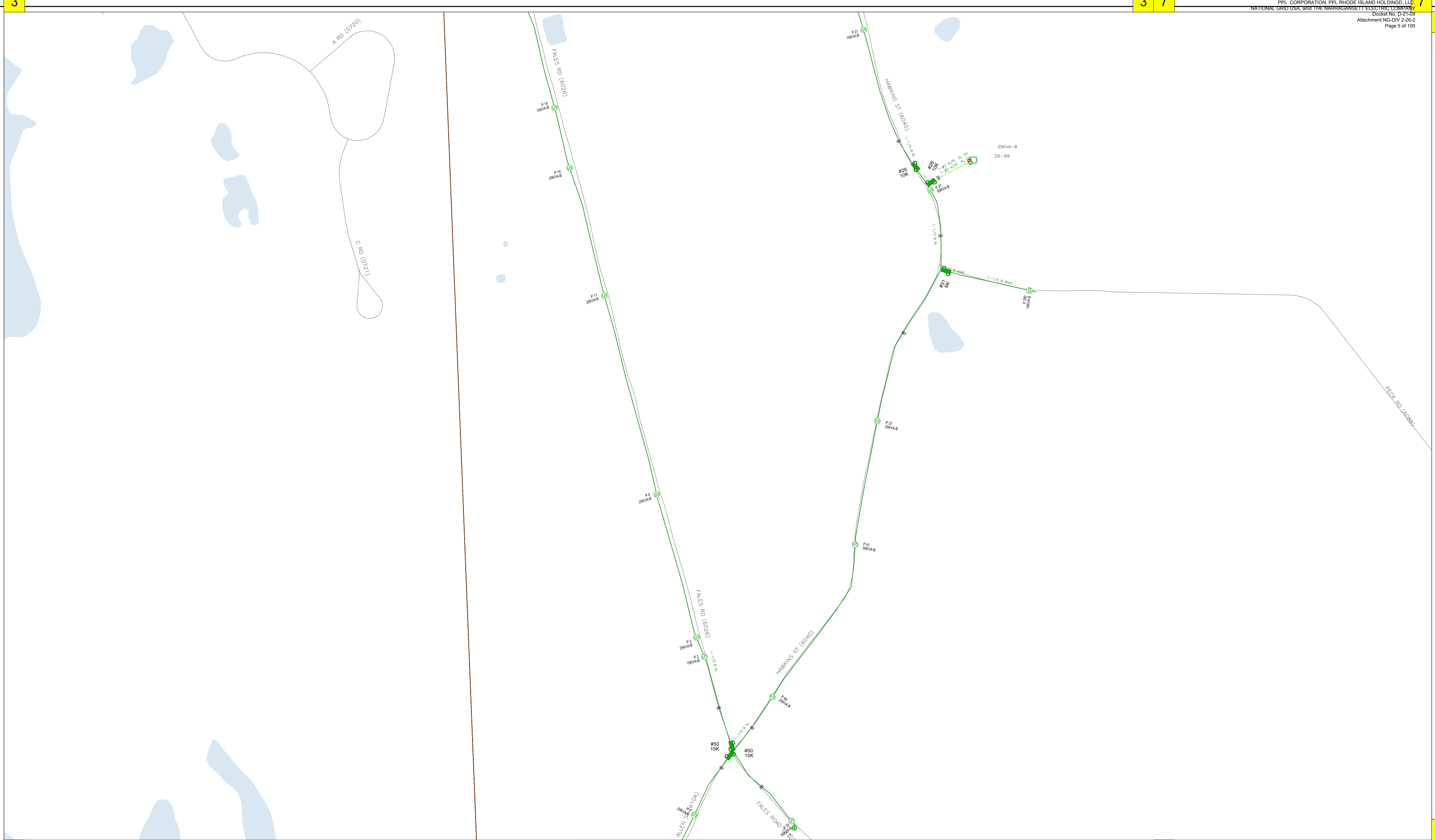


13.8KV

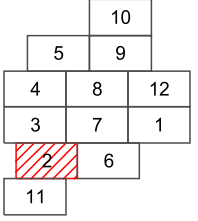
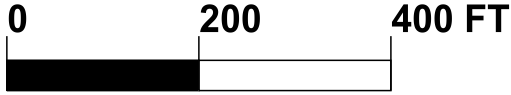
PLAINVILLE 3451W3

Sheet 1 of 12

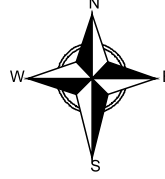
Feeder Detail Map



OP District: SOUTHEAST  
GIS Alternative: 3937 GIS Error  
Date Printed: 02/01/2021

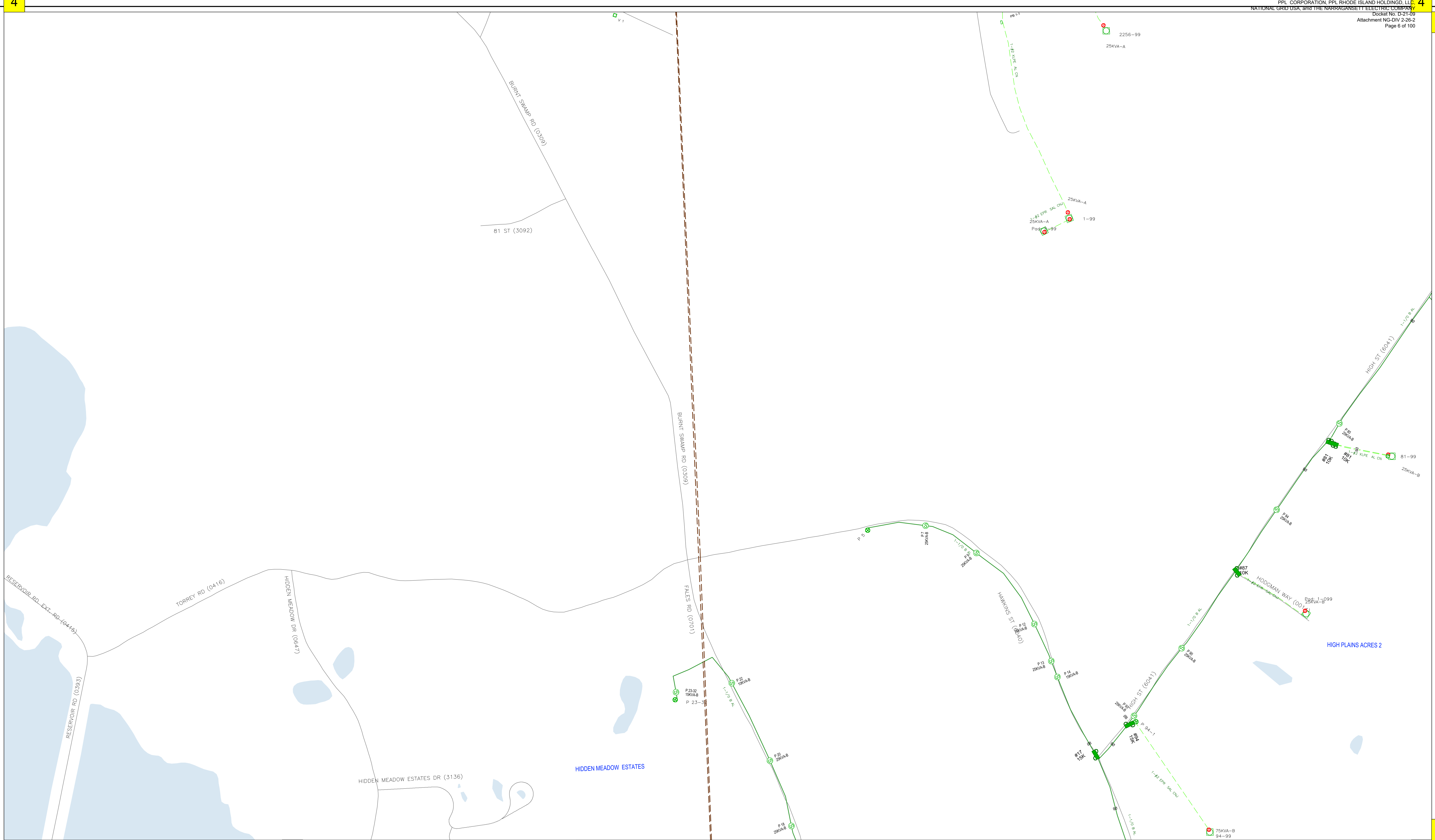


Select a bitmap

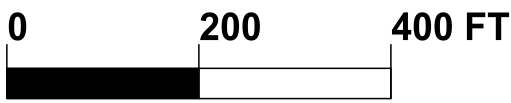


13.8KV  
PLAINVILLE 3451W3  
Sheet 2 of 12  
Feeder Detail Map



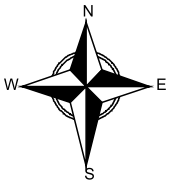


OP District: SOUTHEAST  
GIS Alternative: 3937 GIS Error  
Date Printed: 02/01/2021



			10	
5		9		
4	6	12		
2	7	1		
11		6		

**nationalgrid**



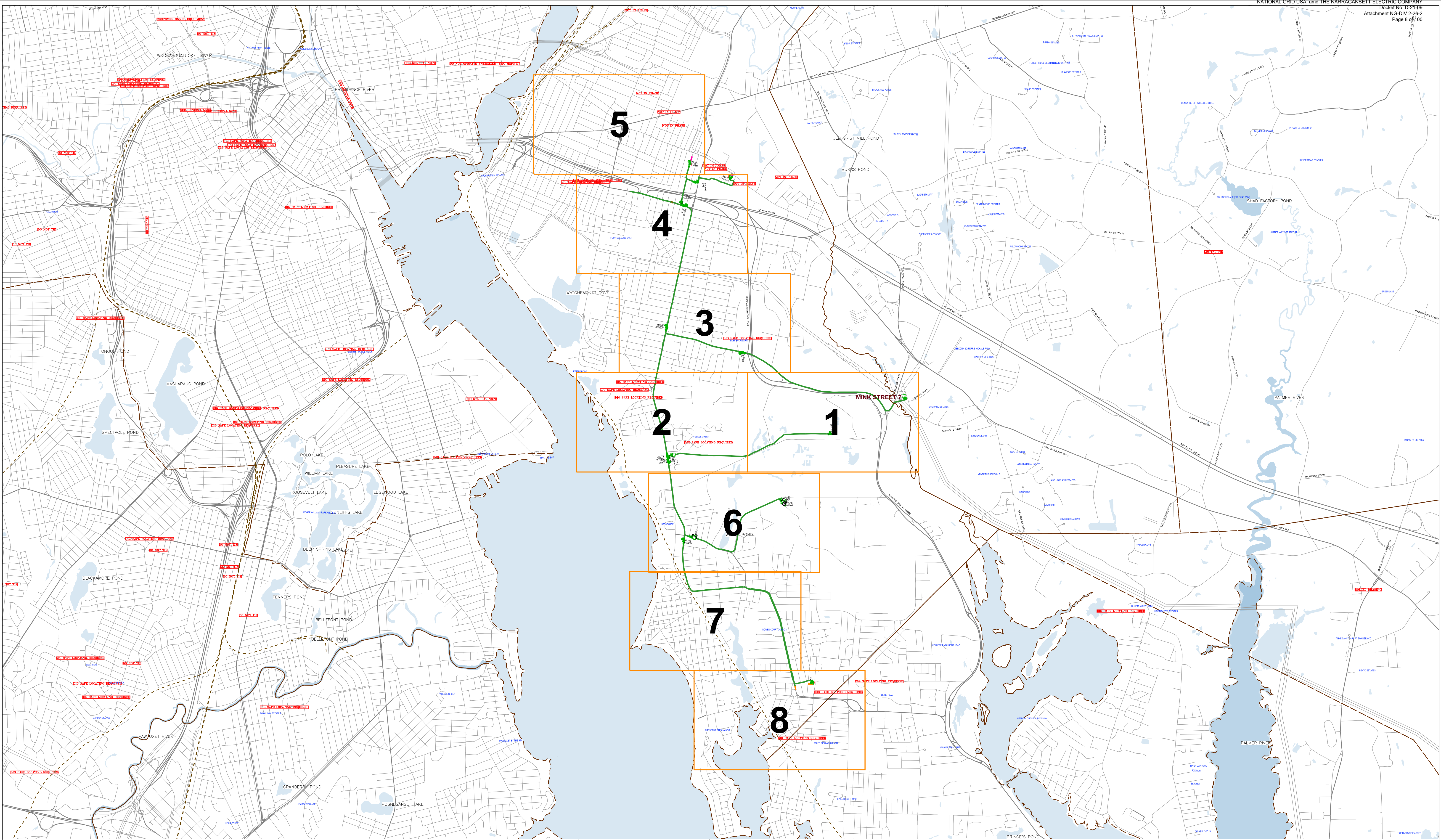
13.8KV

PLAINVILLE 3451W3  
Sheet 3 of 12  
Feeder Detail Map

2267

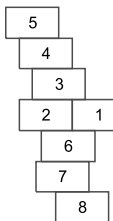






OP District: SOUTHEAST  
GIS Alternative: DM Top  
Date Printed: 01/23/2019

0 1680 3360 FT



nationalgrid



23KV

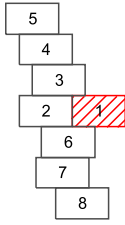
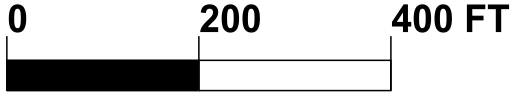
MINK STREET 2267

Index Map

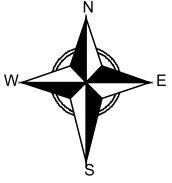




OP District: SOUTHEAST  
GIS Alternative: DM Top  
Date Printed: 01/23/2019



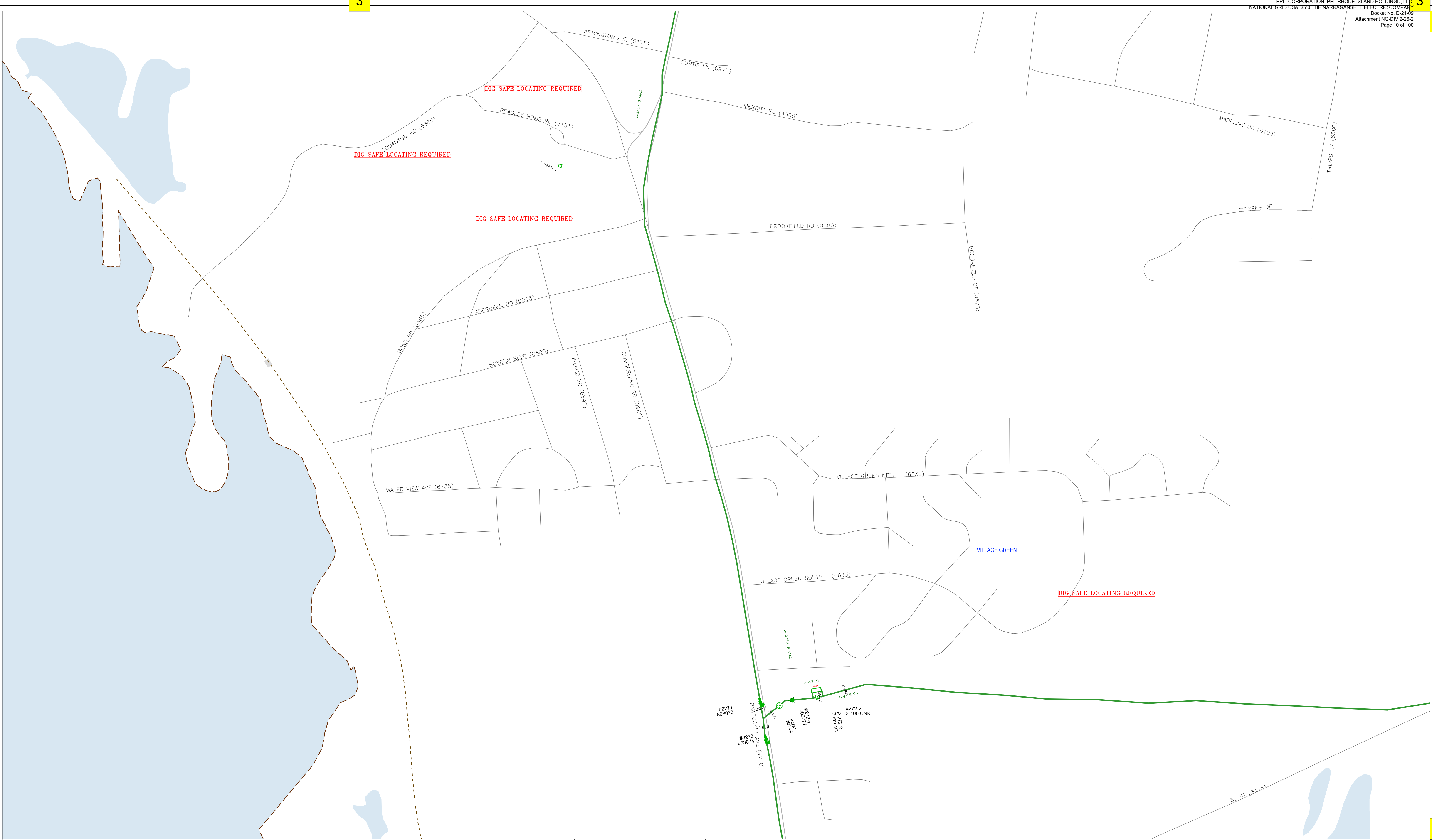
**nationalgrid**



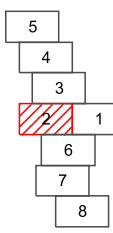
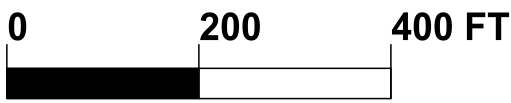
23KV

MINK STREET 2267  
Sheet 1 of 8  
Feeder Detail Map





OP District: SOUTHEAST  
GIS Alternative: DM Top  
Date Printed: 01/23/2019



**nationalgrid**



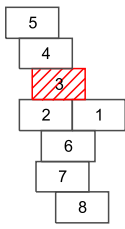
23KV

MINK STREET 2267  
Sheet 2 of 8  
Feeder Detail Map

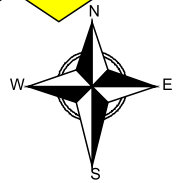


OP District: SOUTHEAST  
GIS Alternative: DM Top  
Date Printed: 01/23/2019

0 200 400 FT



nationalgrid



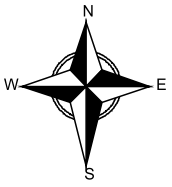
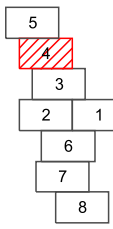
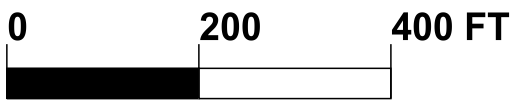
23KV

MINK STREET 2267  
Sheet 3 of 8  
Feeder Detail Map





OP District: SOUTHEAST  
GIS Alternative: DM Top  
Date Printed: 01/23/2019



23KV

MINK STREET 2267  
Sheet 4 of 8  
Feeder Detail Map

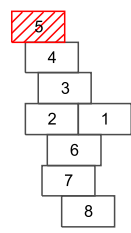




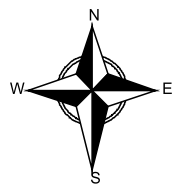
OP District: SOUTHEAST  
GIS Alternative: DM Top  
Date Printed: 01/23/2019

4

0 200 400 FT



nationalgrid

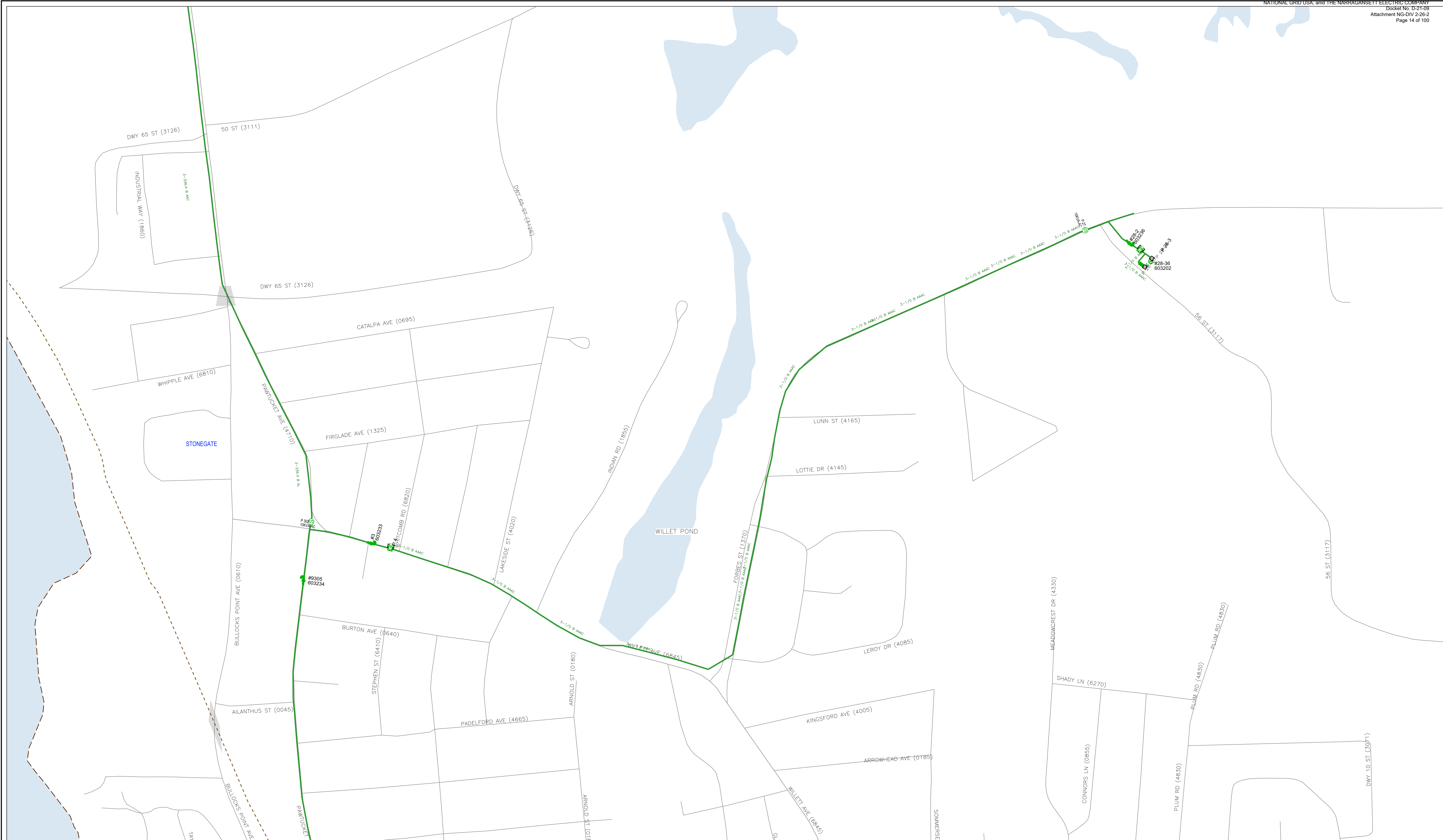


23KV

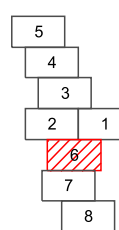
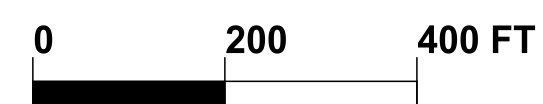
MINK STREET 2267  
Sheet 5 of 8  
Feeder Detail Map

4

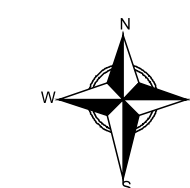




OP District: SOUTHEAST  
GIS Alternative: DM Top  
Date Printed: 01/23/2019



**nationalgrid**

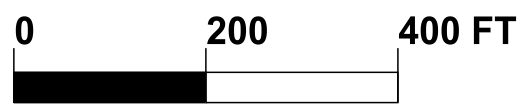


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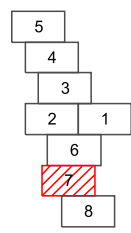
MINK STREET 2267  
Sheet 6 of 8  
Feeder Detail Map



OP District: SOUTHEAST  
GIS Alternative: DM Top  
Date Printed: 01/23/2019



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**nationalgrid**

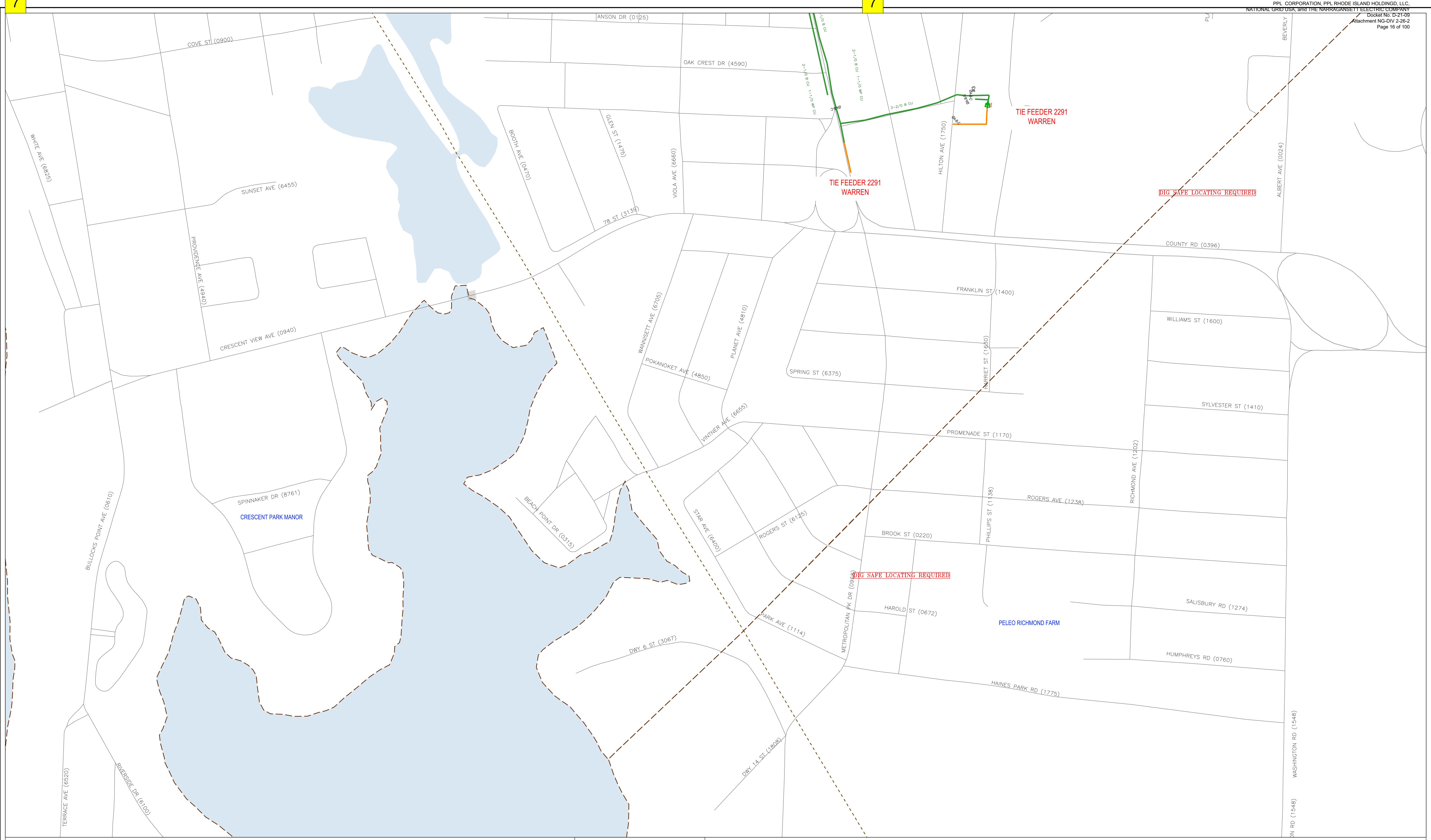


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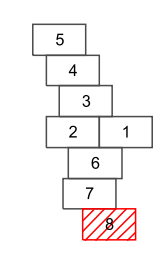
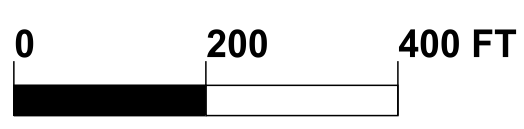
**MINK STREET 2267**  
Sheet 7 of 8  
Feeder Detail Map

8



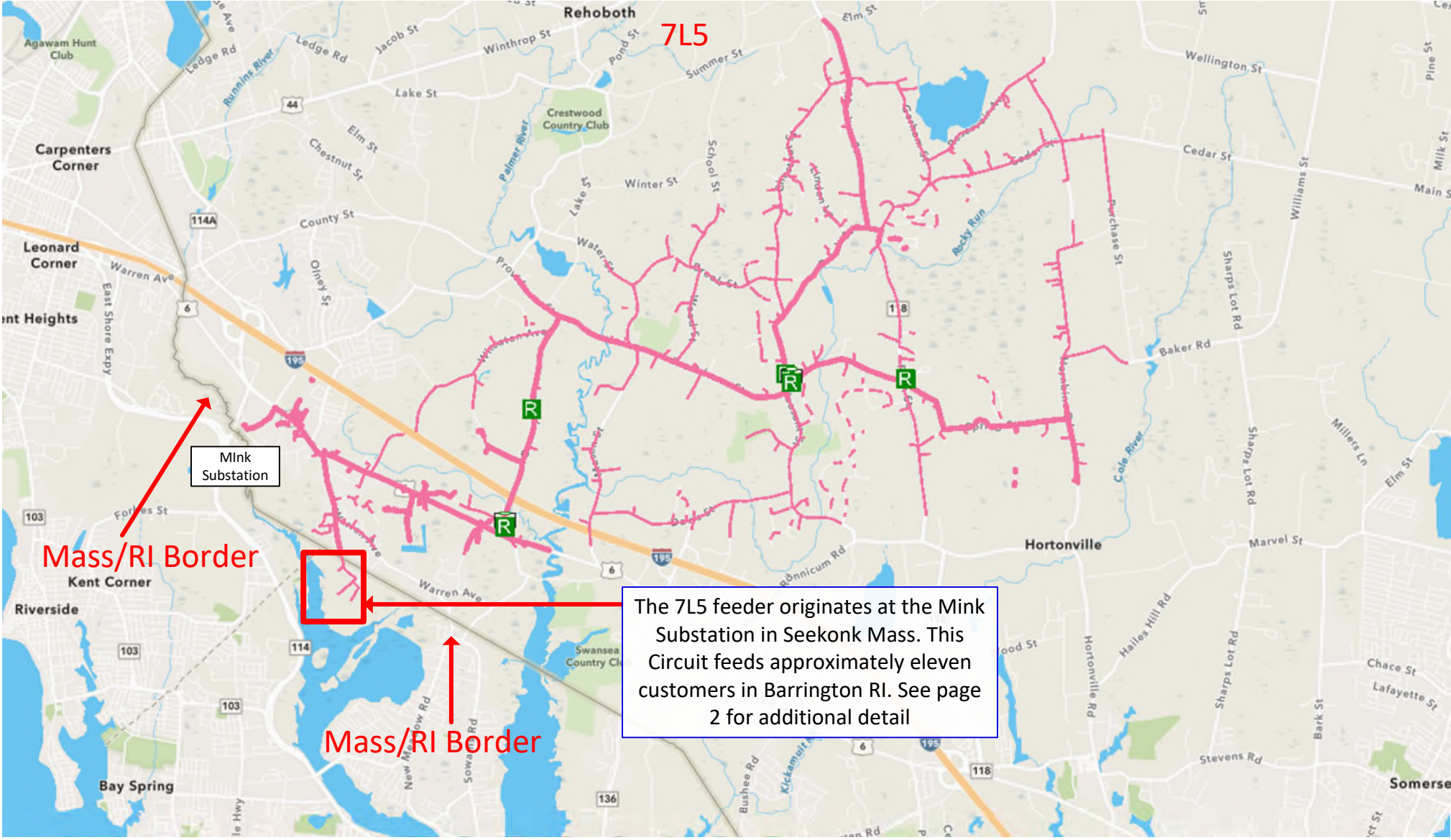


OP District: SOUTHEAST  
GIS Alternative: DM Top  
Date Printed: 01/23/2019

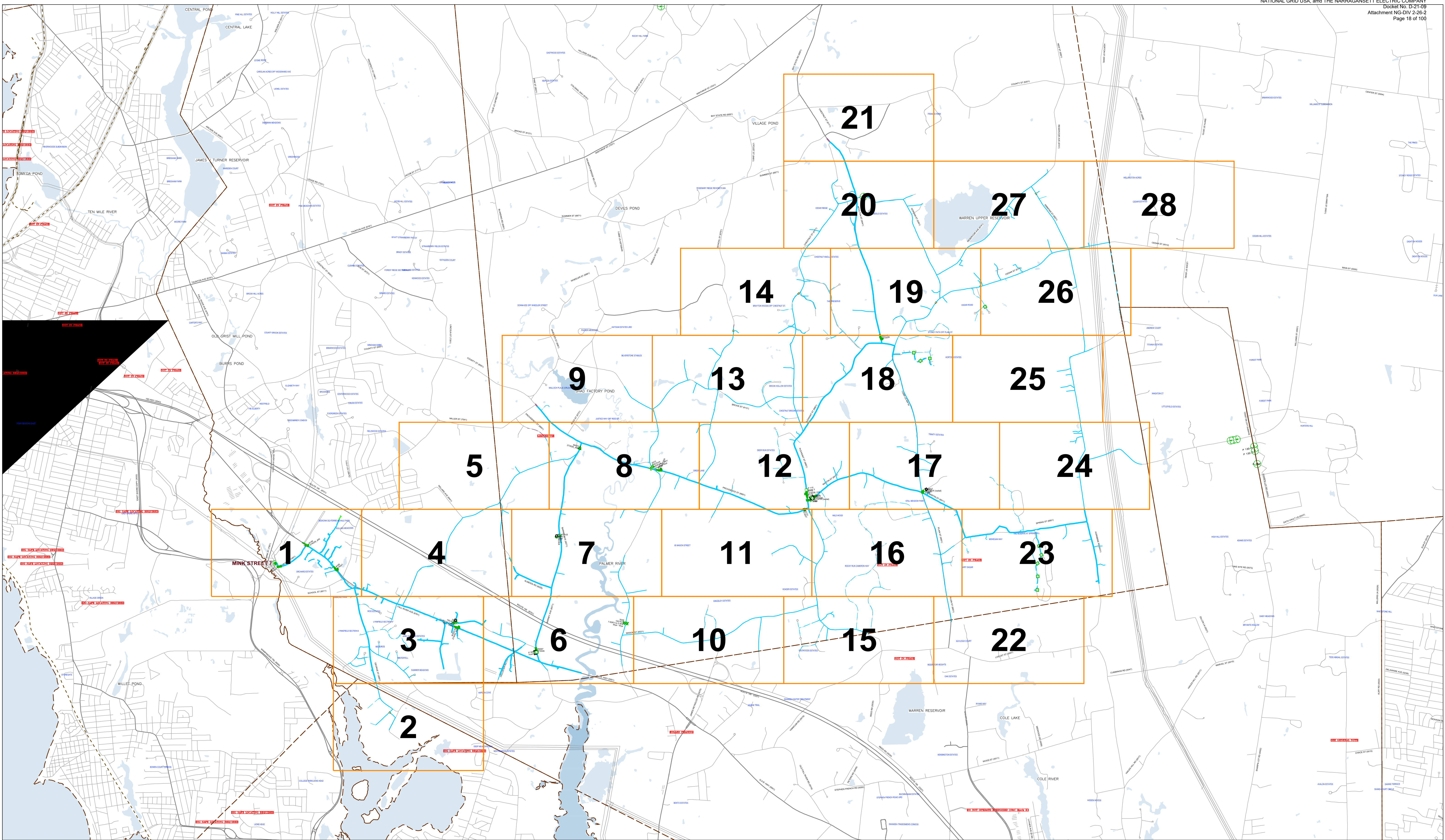


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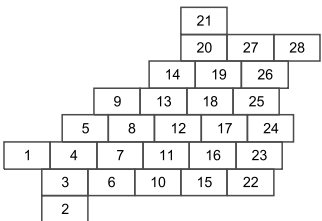
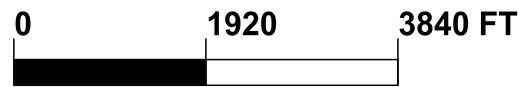
MINK STREET 2267  
Sheet 8 of 8  
Feeder Detail Map







OP District: SOUTHEAST  
GIS Alternative: DM Top  
Date Printed: 02/22/2021



**nationalgrid**

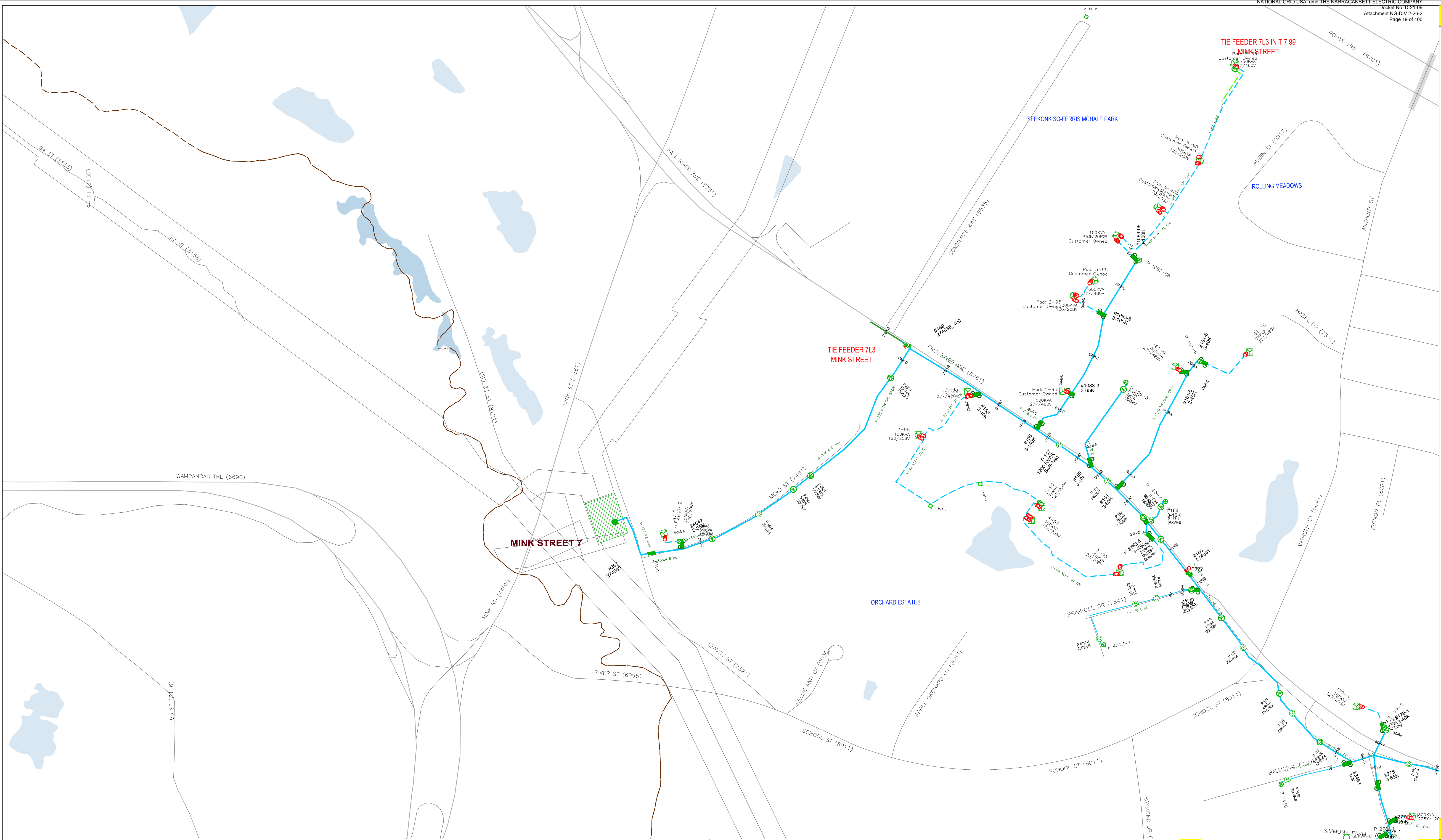


13.2KV

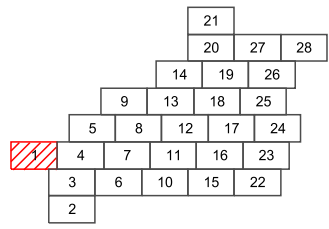
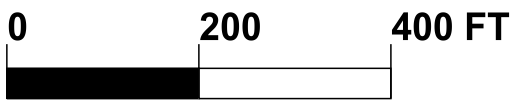
MINK STREET 7L5

Index Map





OP District: SOUTHEAST  
GIS Alternative: DM Top  
Date Printed: 02/22/2021



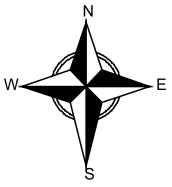
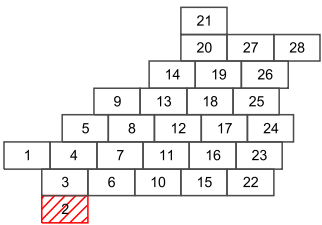
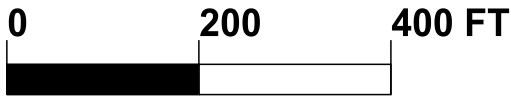
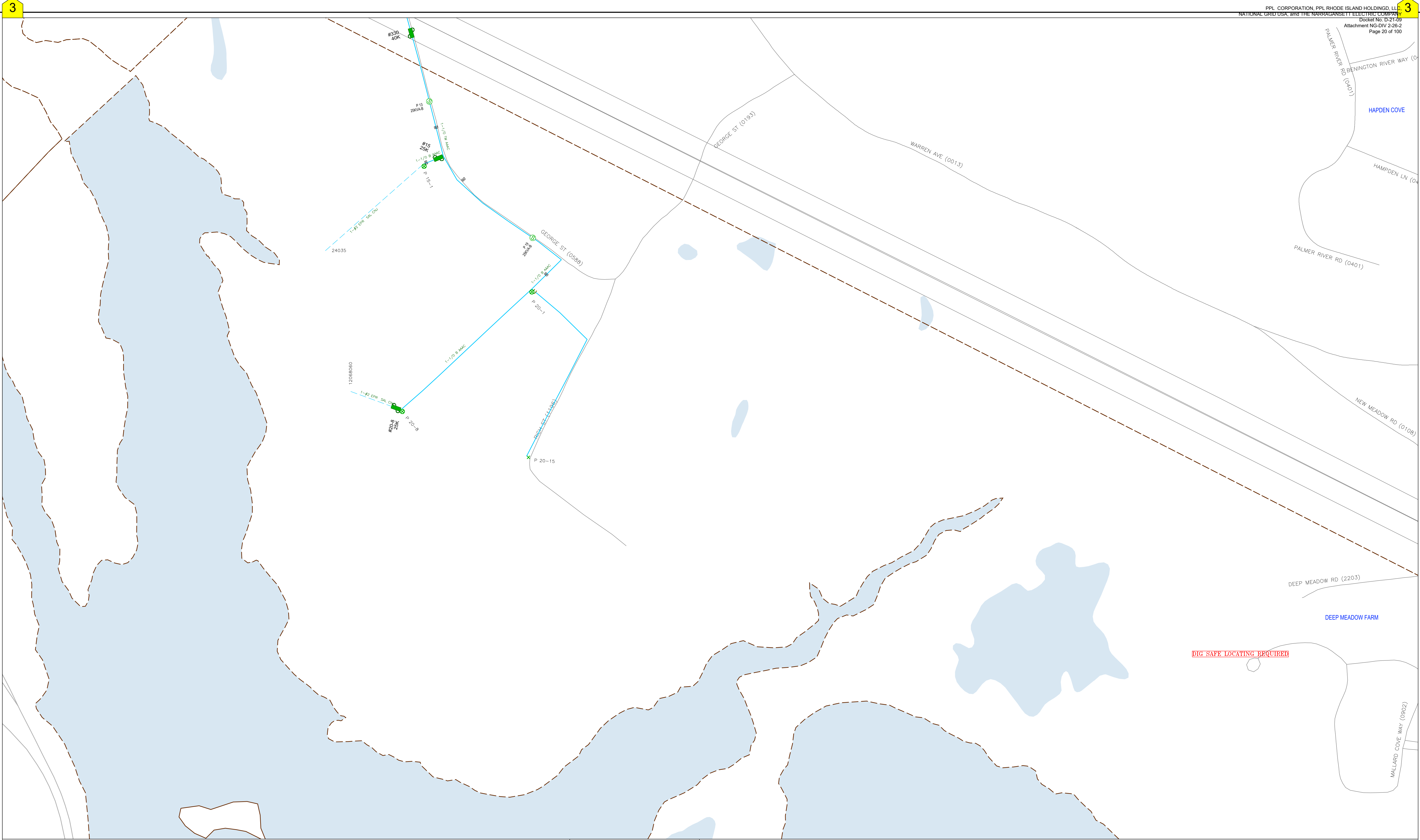
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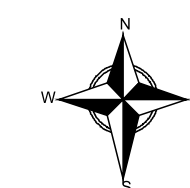
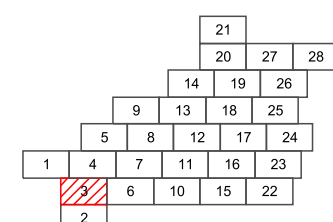


13.2KV

**MINK STREET 7L5**  
Sheet 1 of 28  
Feeder Detail Map







13.2KV

MINK STREET 7L5  
Sheet 3 of 28  
Feeder Detail Map



1

5

5

7

1

3

3

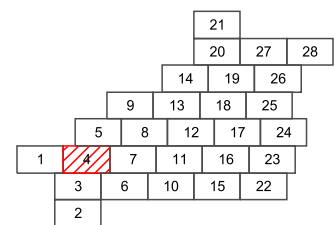
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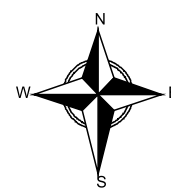
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OP District: SOUTHEAST  
GIS Alternative: DM Top  
Date Printed: 02/22/2021

0 200 400 FT

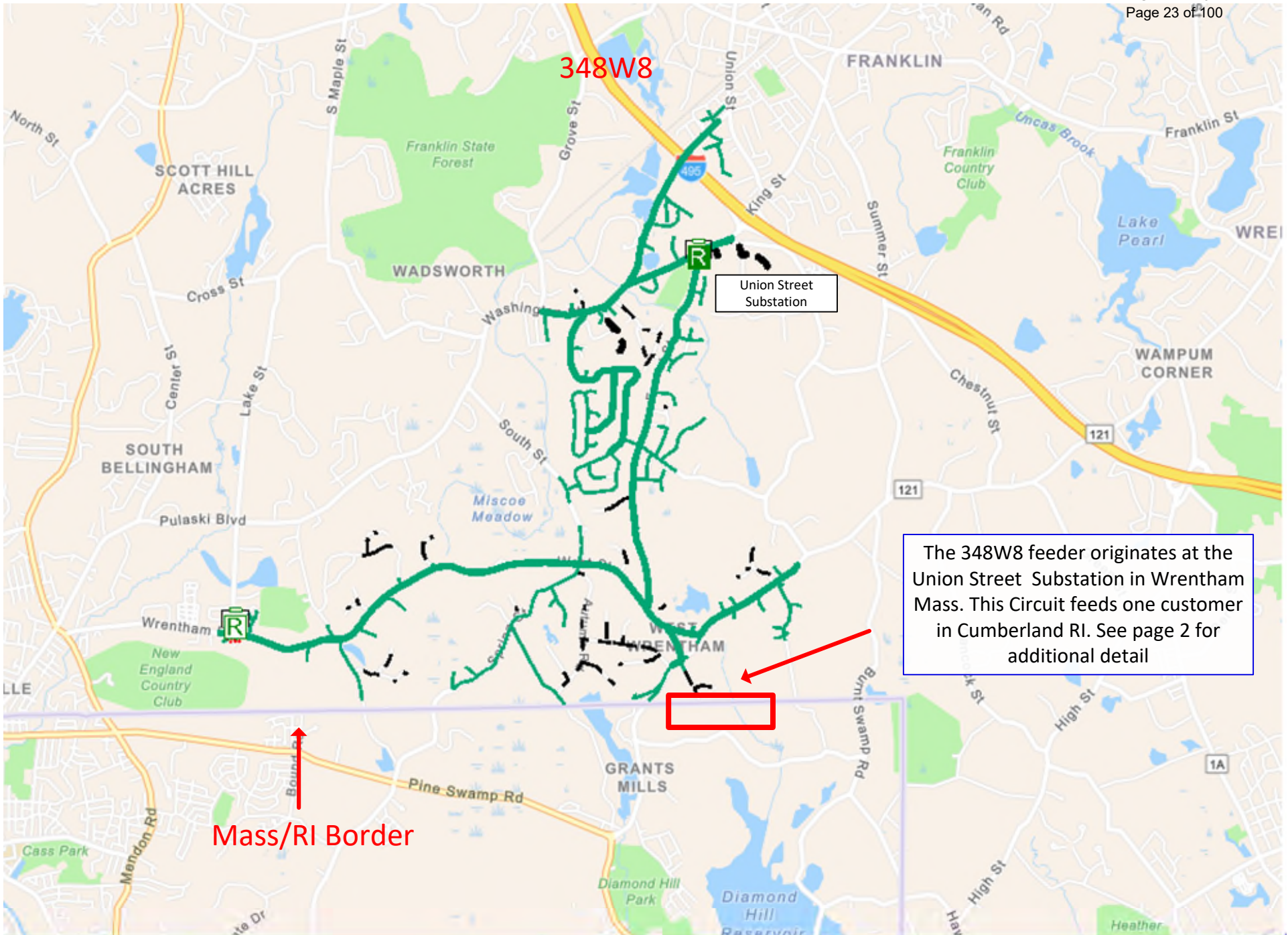


nationalgrid



13.2KV

MINK STREET 7L5  
Sheet 4 of 28  
Feeder Detail Map



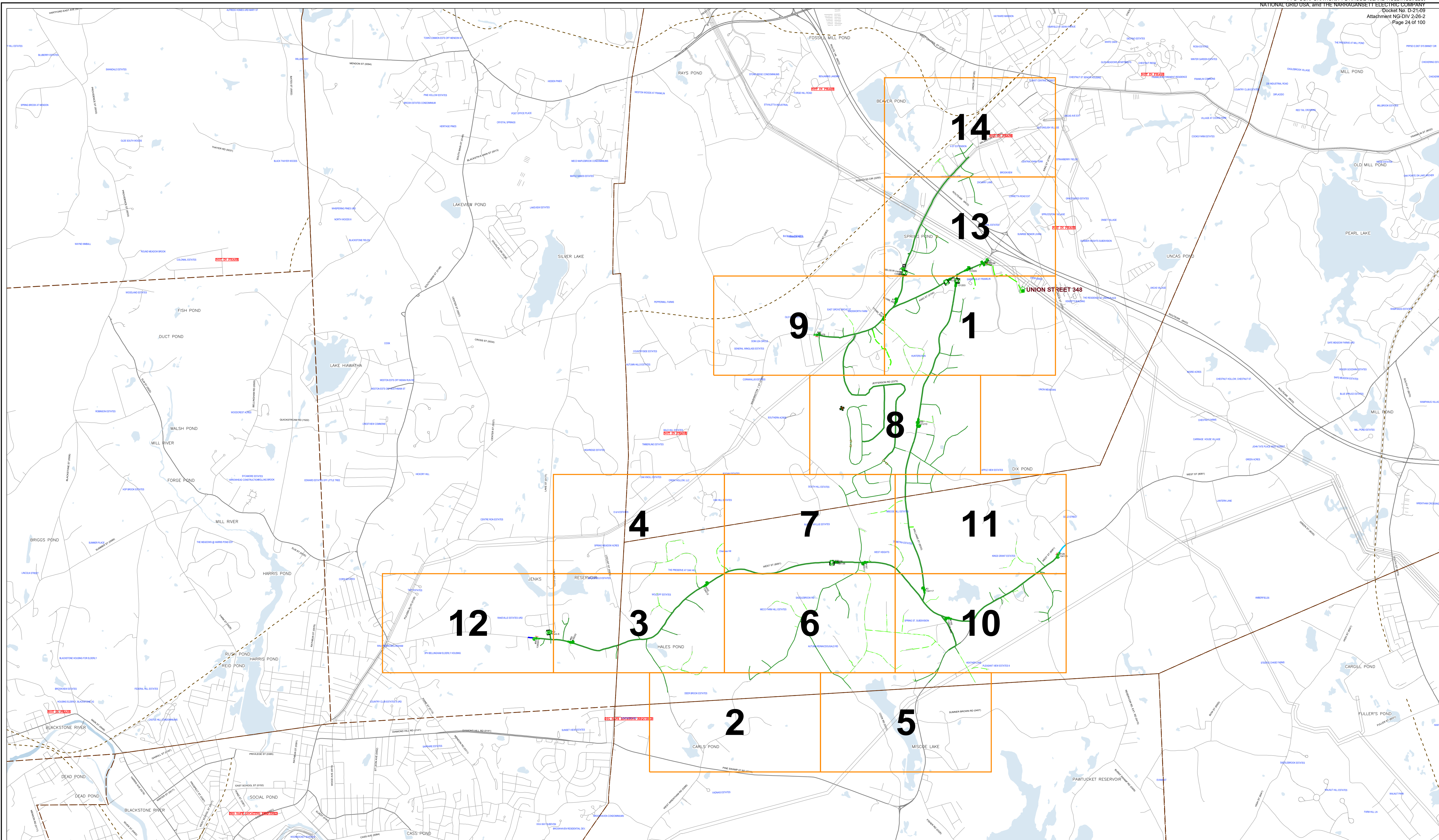
348W8

Union Street Substation

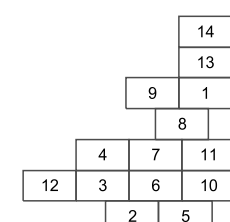
The 348W8 feeder originates at the Union Street Substation in Wrentham Mass. This Circuit feeds one customer in Cumberland RI. See page 2 for additional detail

Mass/RI Border

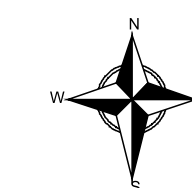




OP District: SOUTHEAST  
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Date Printed: 10/07/2020

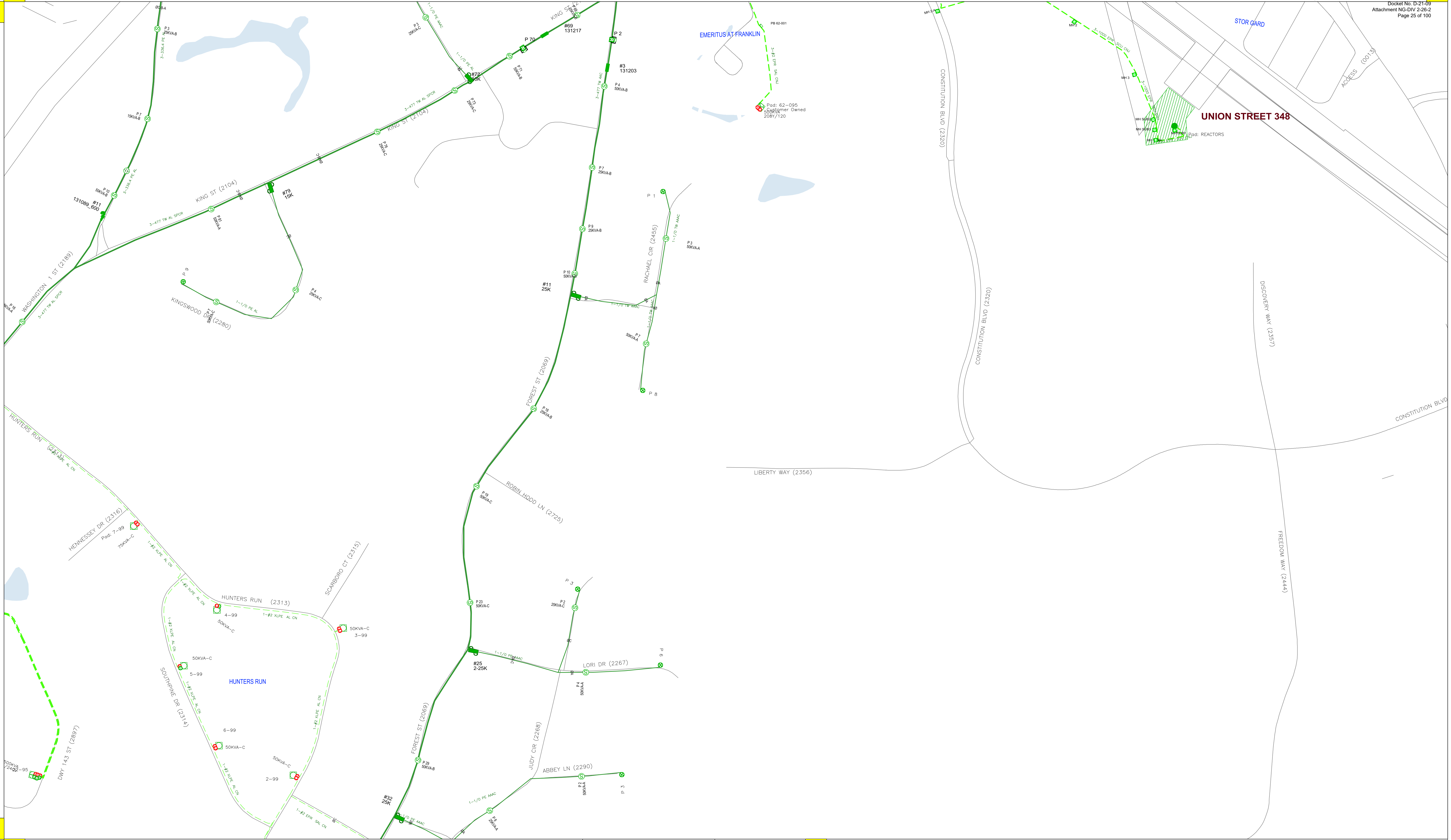


**nationalgrid**



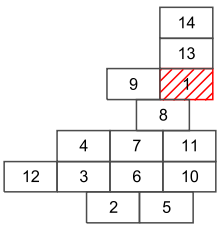
UNION STREET 348W8  
13.8KV  
Index Map





OP District: SOUTHEAST  
GIS Alternative: DM Top  
Date Printed: 10/07/2020

0 200 400 FT

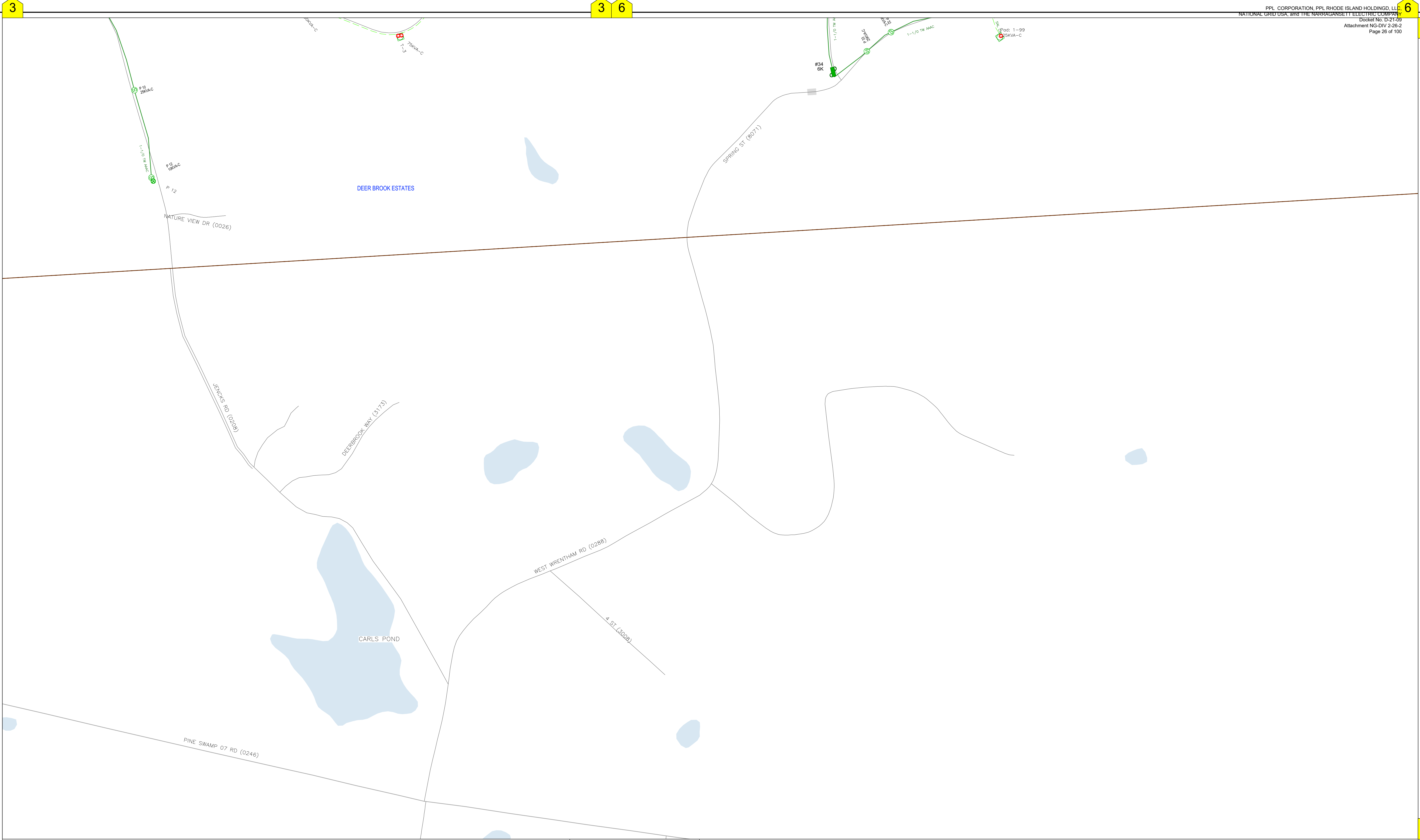


nationalgrid

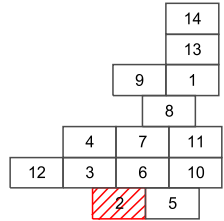
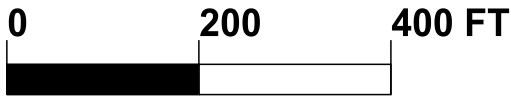


UNION STREET 348W8  
13.8KV  
Sheet 1 of 14  
Feeder Detail Map

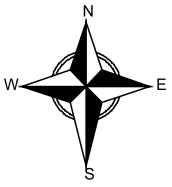




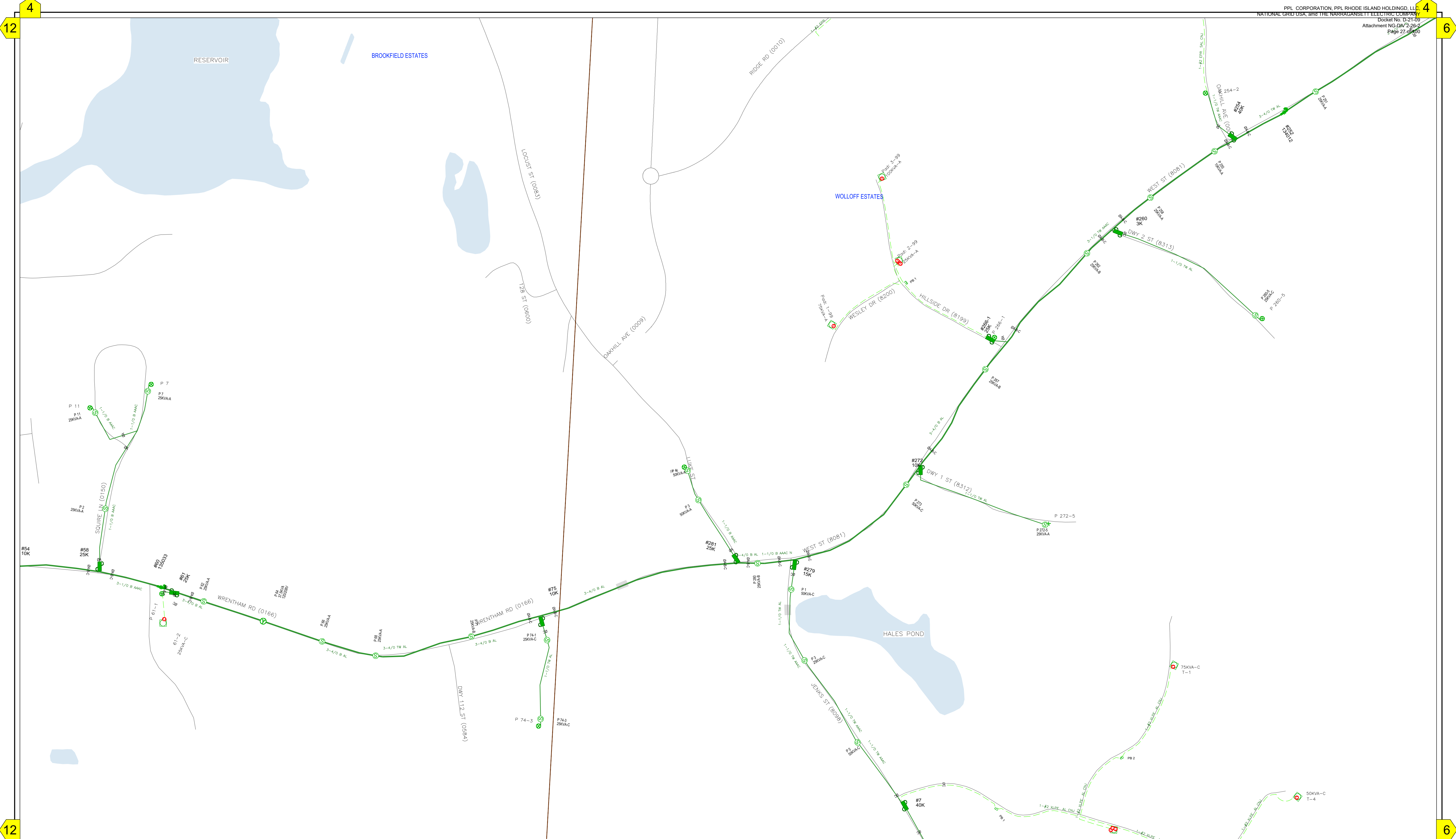
OP District: SOUTHEAST  
GIS Alternative: DM Top  
Date Printed: 10/07/2020



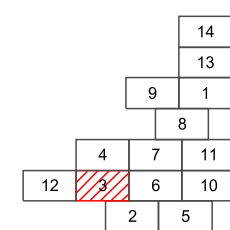
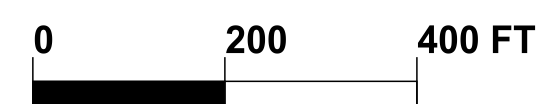
**nationalgrid**



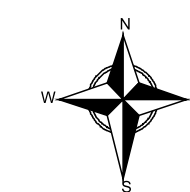
UNION STREET 348W8  
13.8KV  
Sheet 2 of 14  
Feeder Detail Map



OP District: SOUTHEAST  
GIS Alternative: DM Top  
Date Printed: 10/07/2020

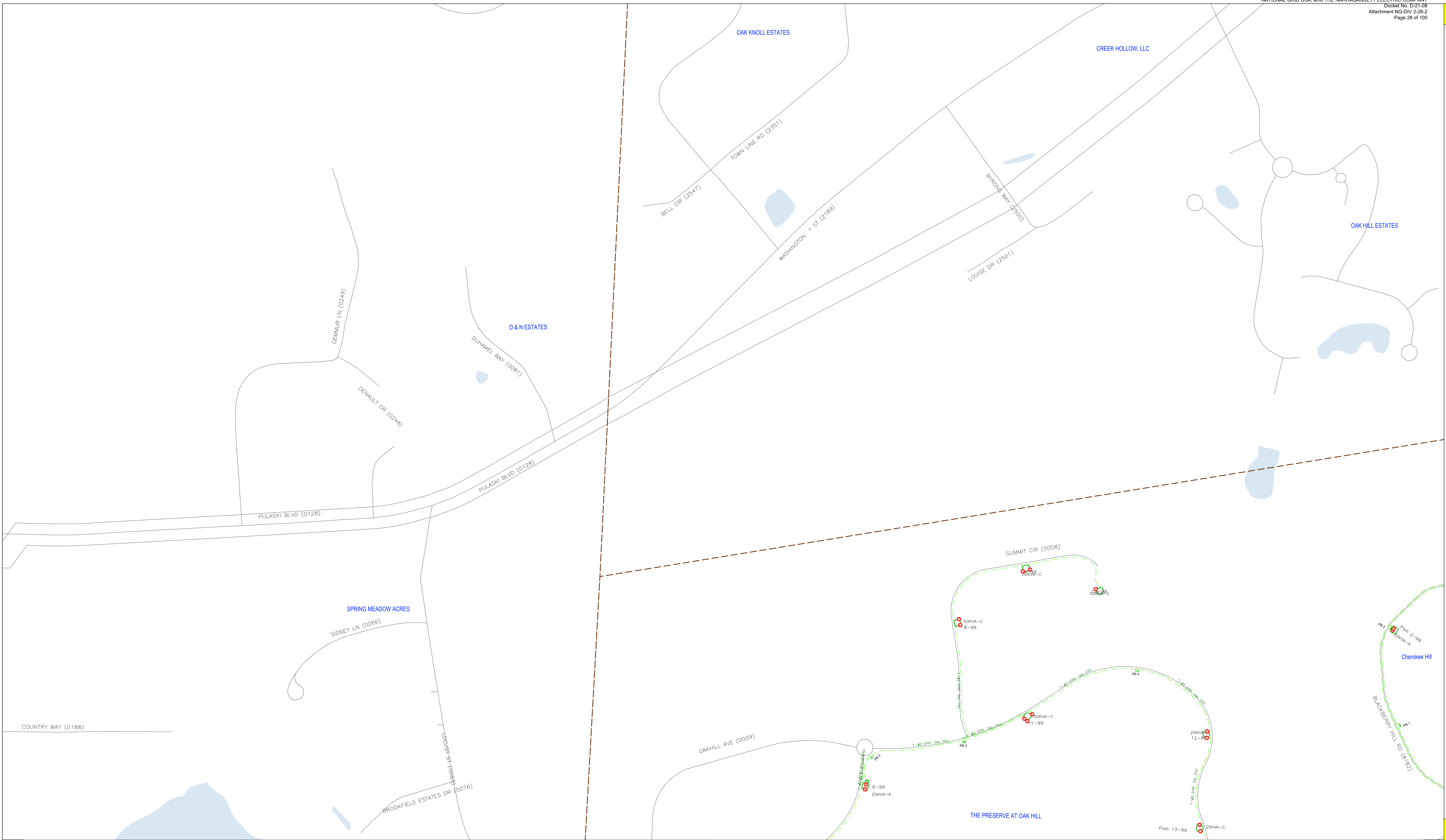


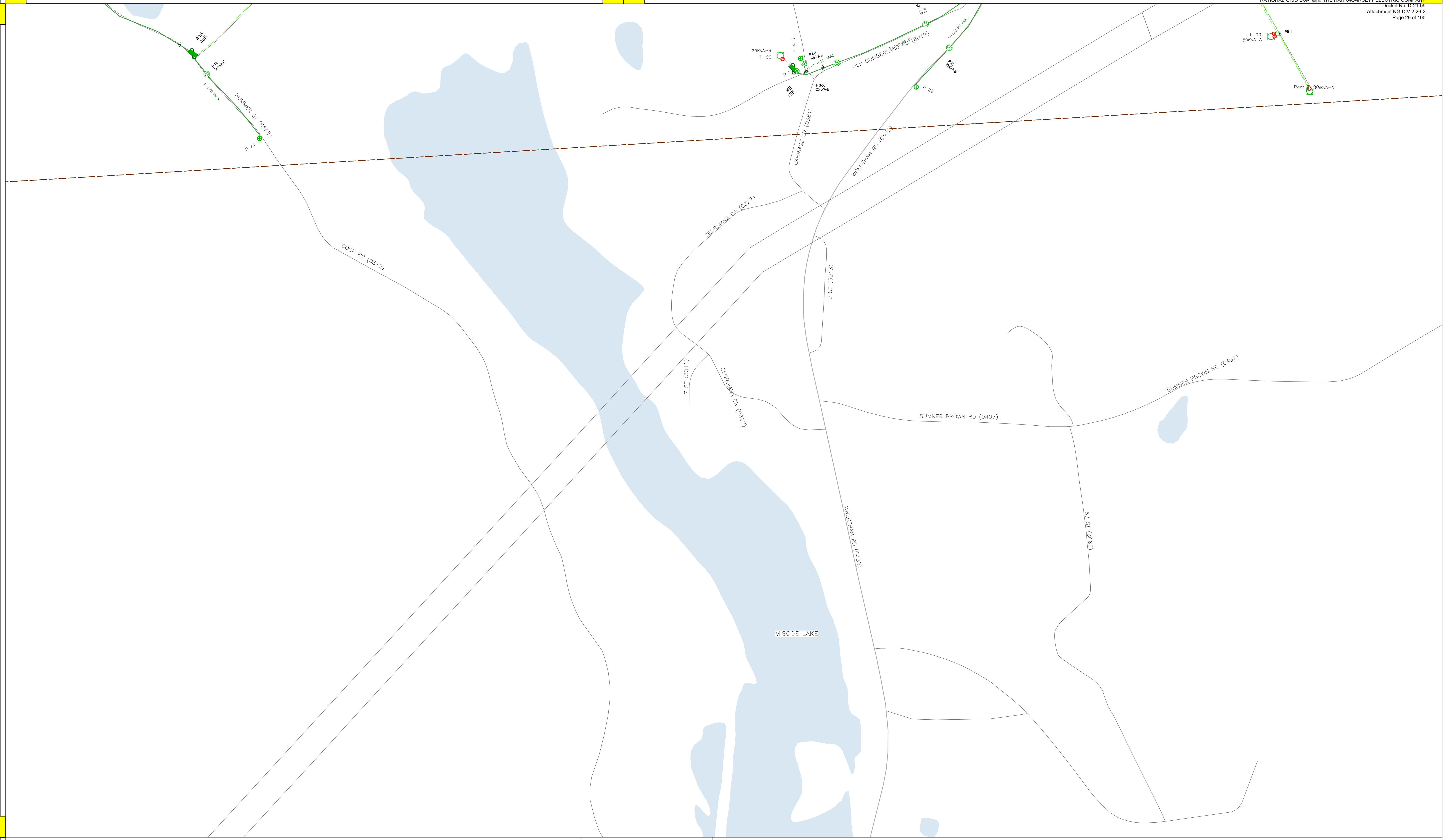
national**grid**



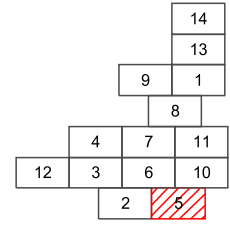
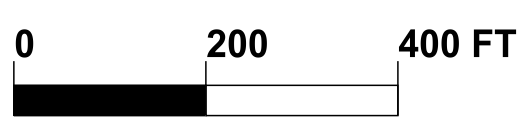
13.8KV UNION STREET 348W8  
Sheet 3 of 14  
Feeder Detail Map







OP District: SOUTHEAST  
GIS Alternative: DM Top  
Date Printed: 10/07/2020

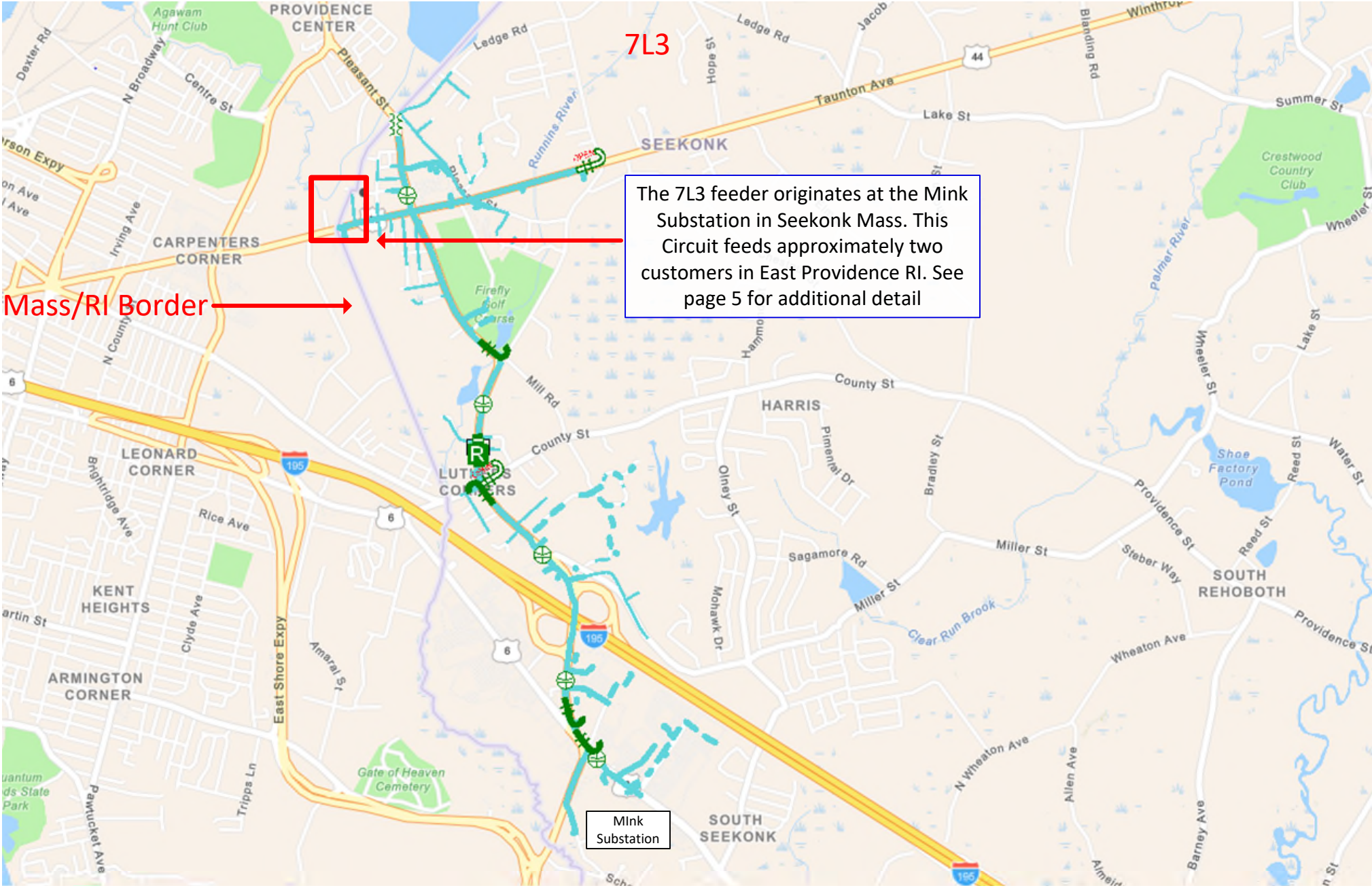


Select a bitmap



UNION STREET 348W8  
13.8KV  
Sheet 5 of 14  
Feeder Detail Map

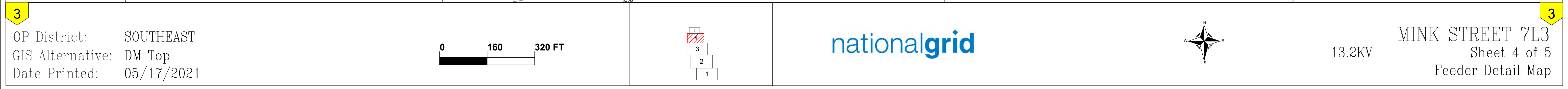








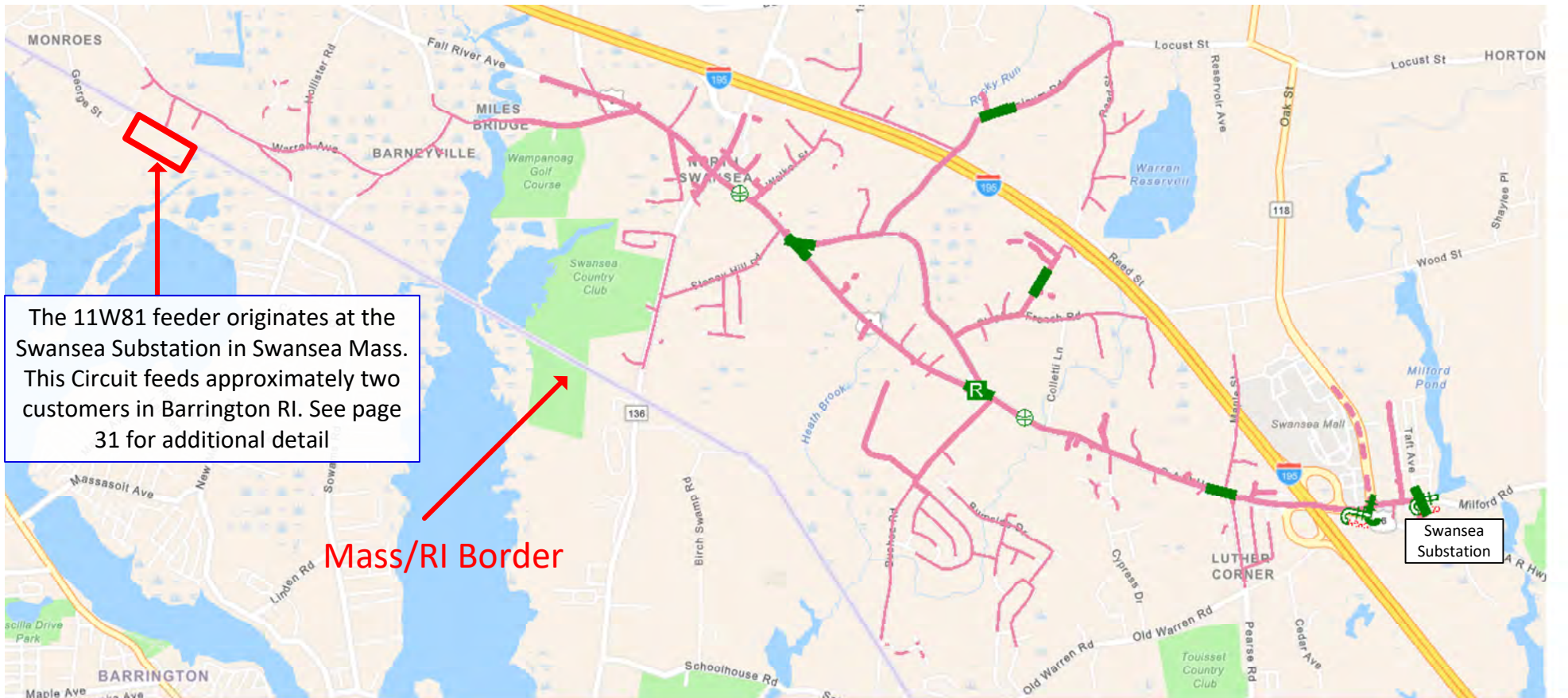


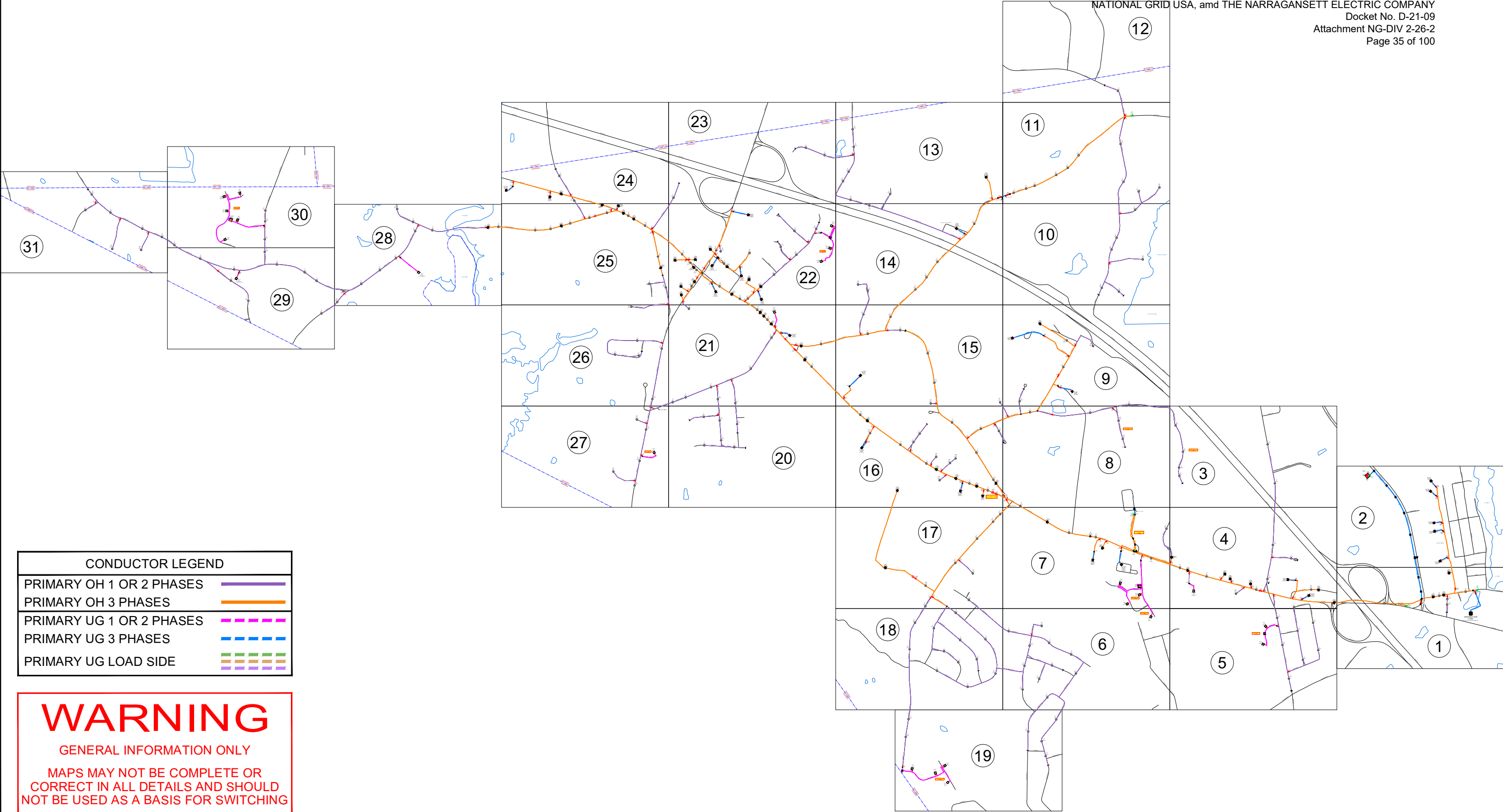






## 11W81





CONDUCTOR LEGEND	
PRIMARY OH 1 OR 2 PHASES	
PRIMARY OH 3 PHASES	
PRIMARY UG 1 OR 2 PHASES	
PRIMARY UG 3 PHASES	
PRIMARY UG LOAD SIDE	

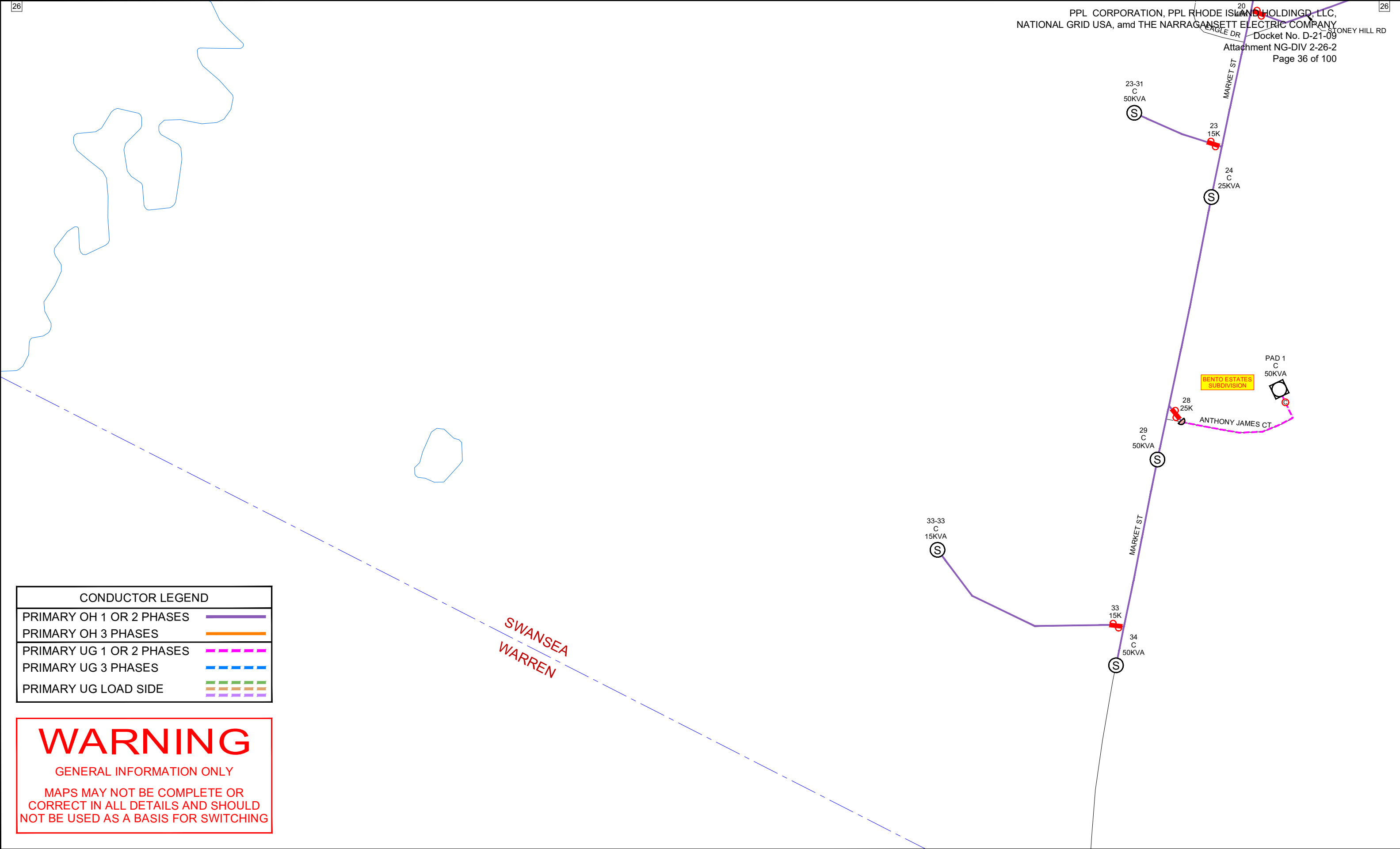
**WARNING**

GENERAL INFORMATION ONLY

MAPS MAY NOT BE COMPLETE OR  
CORRECT IN ALL DETAILS AND SHOULD  
NOT BE USED AS A BASIS FOR SWITCHING

CAPACITOR	REGULATOR	TYPICAL OH XFMR 1Ø	TYPICAL OH XFMR 3Ø	TYPICAL UG XFMR 1Ø	TYPICAL UG XFMR 3Ø	PRIMARY METER	WIRE CHANGE	RATIO XFMR	VAULT	MANHOLE	PULLBOX	HANDHOLE	TYPICAL JUNCTION	TYPICAL VACUUM SWITCH
SUBSTATION	LOADBREAK	DISCONNECT	VACUUM SWITCH	AIRBREAK	CUTOUT	RECLOSER	SECTIONALIZER	TYPICAL SHUNT	OIL FUSED CUTOUT	OIL SWITCH	TYPICAL MVI	GENERATION	FAULT INDICATOR	TYPICAL SWITCHGEAR
OPERATING DISTRICT : SOUTHEAST		PRINT DATE : 09/13/2018		GRAPHIC SCALE 		nationalgrid				INDEX		11W81		
SUBSTATION NAME : SWANSEA SUB														
FEEDER VOLTAGE : 13.8 KV														





CONDUCTOR LEGEND	
PRIMARY OH 1 OR 2 PHASES	
PRIMARY OH 3 PHASES	
PRIMARY UG 1 OR 2 PHASES	
PRIMARY UG 3 PHASES	
PRIMARY UG LOAD SIDE	

WARNING

GENERAL INFORMATION ONLY

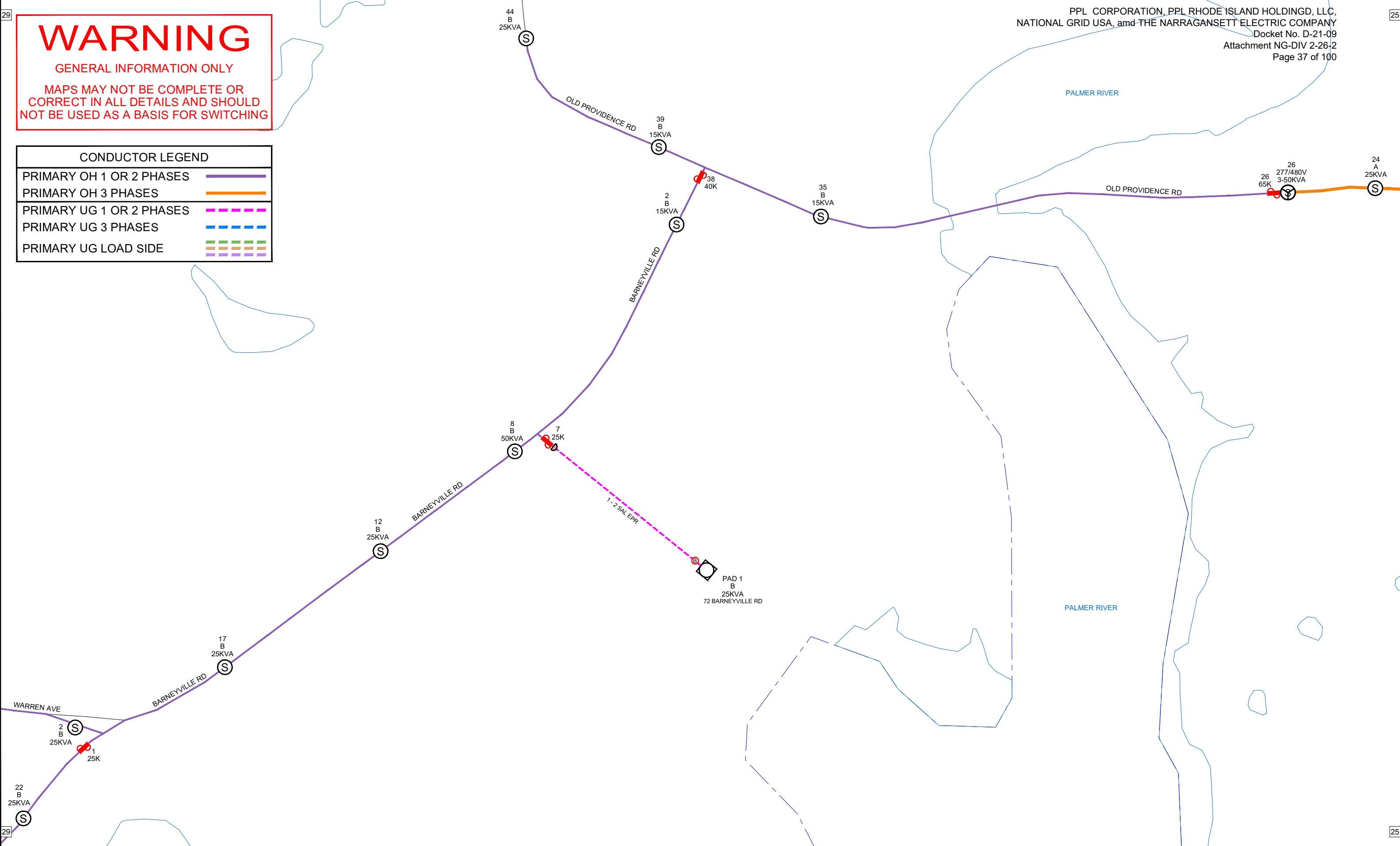
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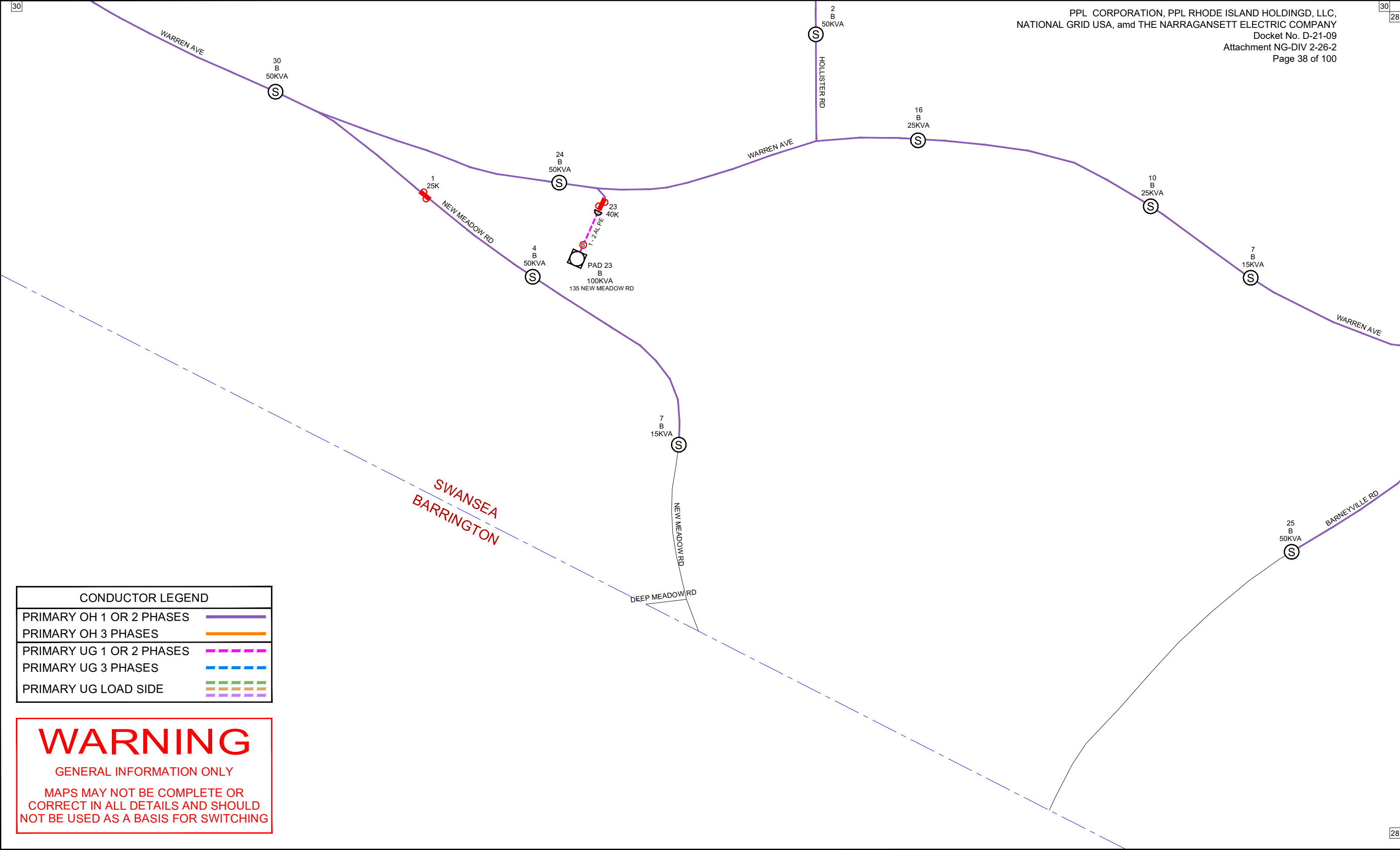
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MAPS MAY NOT BE COMPLETE OR  
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CONDUCTOR LEGEND	
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PRIMARY OH 3 PHASES	<div></div>
PRIMARY UG 1 OR 2 PHASES	<div></div>
PRIMARY UG 3 PHASES	<div></div>
PRIMARY UG LOAD SIDE	<div></div>







CONDUCTOR LEGEND	
PRIMARY OH 1 OR 2 PHASES	
PRIMARY OH 3 PHASES	
PRIMARY UG 1 OR 2 PHASES	
PRIMARY UG 3 PHASES	
PRIMARY UG LOAD SIDE	

**WARNING**

GENERAL INFORMATION ONLY

MAPS MAY NOT BE COMPLETE OR  
CORRECT IN ALL DETAILS AND SHOULD  
NOT BE USED AS A BASIS FOR SWITCHING

# WARNING

GENERAL INFORMATION ONLY

MAPS MAY NOT BE COMPLETE OR  
CORRECT IN ALL DETAILS AND SHOULD  
NOT BE USED AS A BASIS FOR SWITCHING

## CONDUCTOR LEGEND

PRIMARY OH 1 OR 2 PHASES	
PRIMARY OH 3 PHASES	
PRIMARY UG 1 OR 2 PHASES	
PRIMARY UG 3 PHASES	
PRIMARY UG LOAD SIDE	

SEEKONK  
SWANSEA

REHOBOTH  
SWANSEA

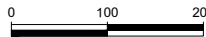
SEEKONK  
REHOBOTH

WARREN AVE  
38  
B  
25KVA  
(S)

OPERATING DISTRICT : SOUTHEAST  
SUBSTATION NAME : SWANSEA SUB  
FEEDER VOLTAGE : 13.8 KV

PRINT DATE : 09/13/2018

### GRAPHIC SCALE



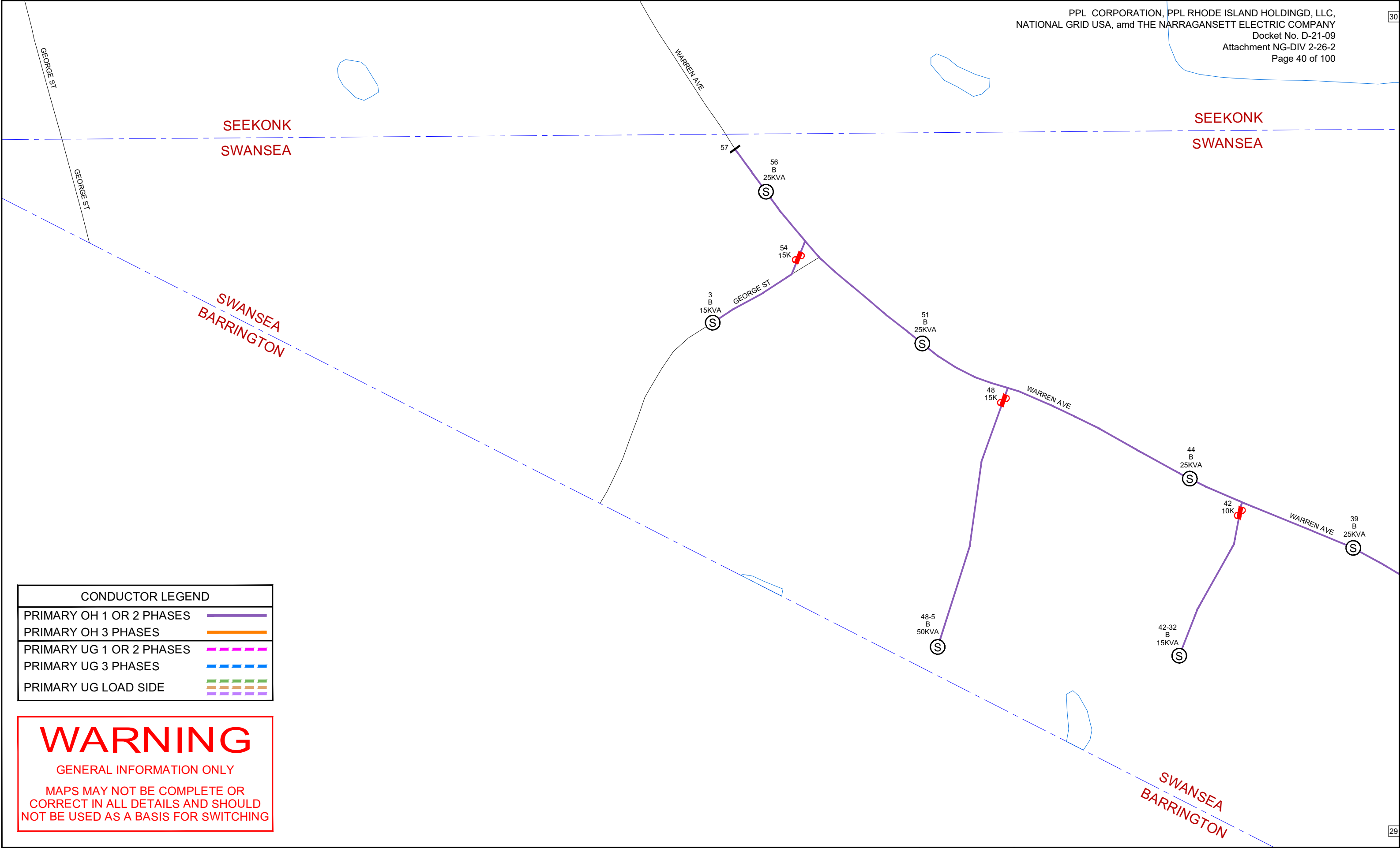
**nationalgrid**



SHEET 30 OF 31

**11W81**

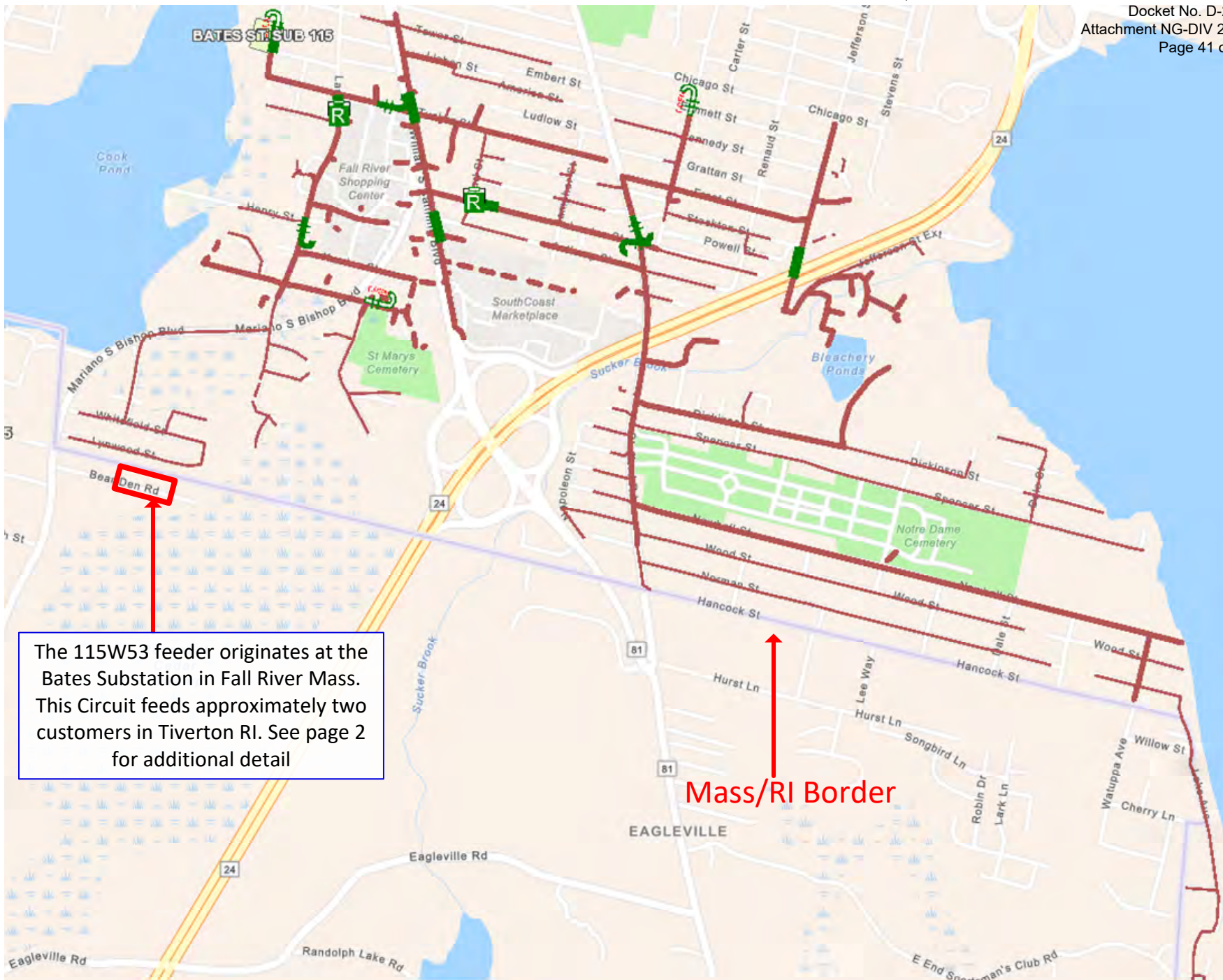




# 115W53

PPL CORPORATION, PPL RHODE ISLAND HOLDINGD, LLC,  
NATIONAL GRID USA, and THE NARRAGANSETT ELECTRIC COMPANY

Docket No. D-21-09  
Attachment NG-DIV 2-26-2  
Page 41 of 100





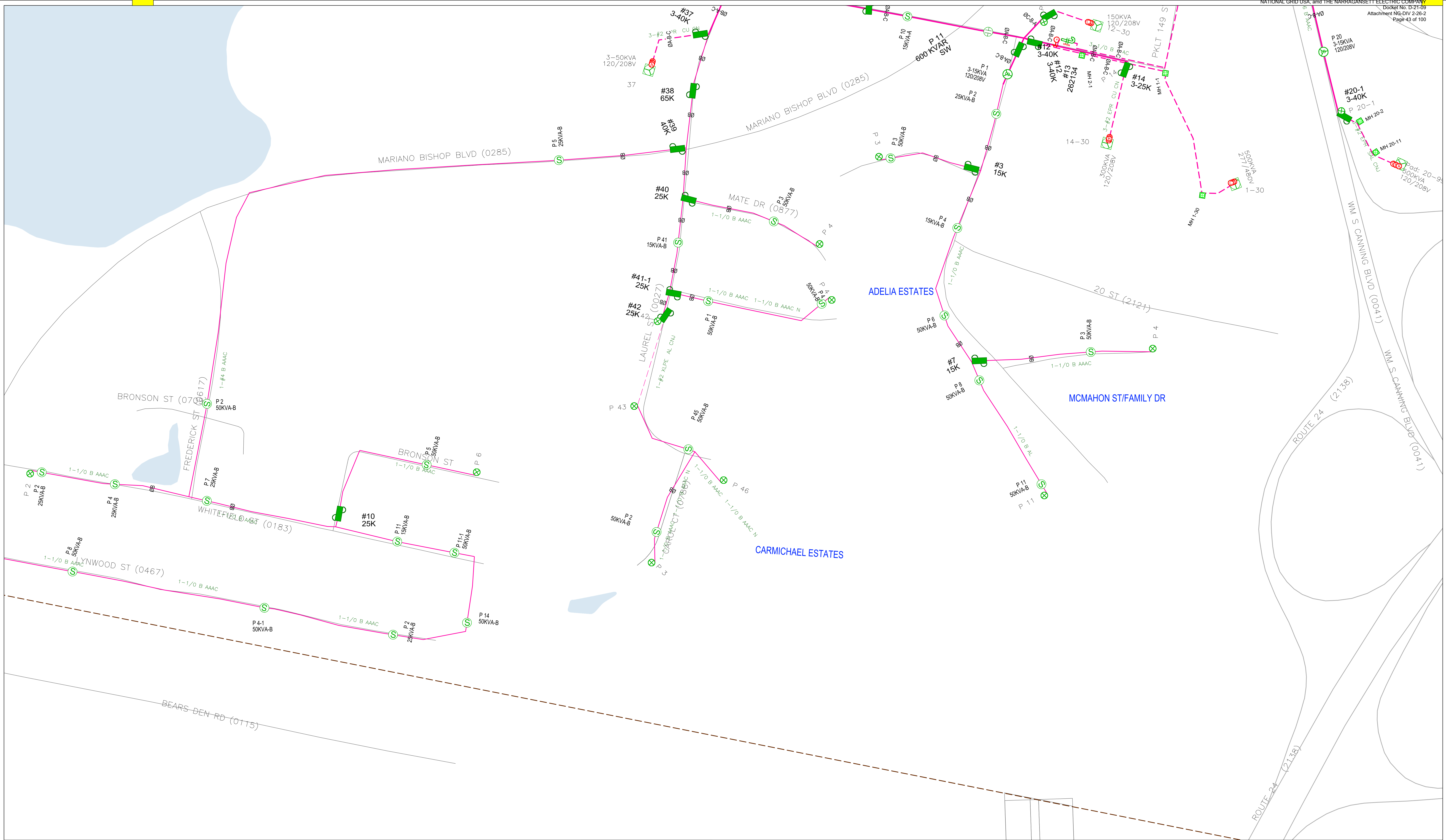


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graph TD
    1[1] --> 2[2]
    1 --> 3[3]
    3 --> 4[4]
    4 --> 5[5]
  
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Index Map  
13.8KV





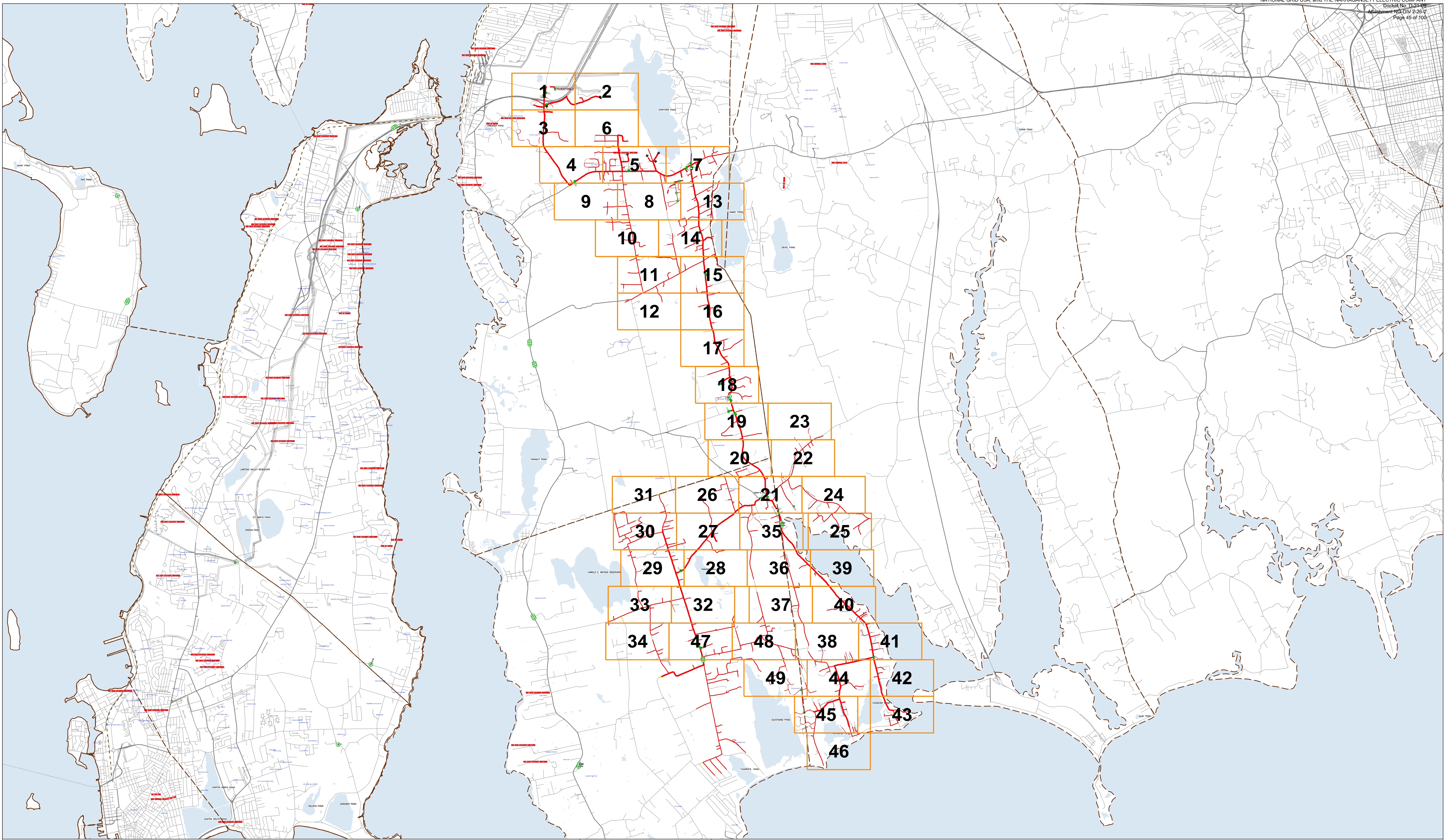




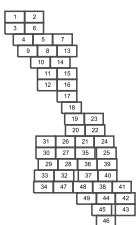
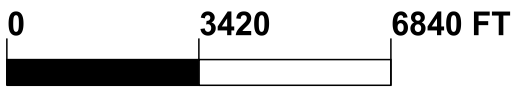
The 33F4 feeder originates at the Tiverton Substation in Tiverton RI. This Circuit feeds several RI customers by RI Assets that pass through MA.

Approximately 37 customers are fed by this arrangement in several locations, mainly in Old Harbor Road in Tiverton RI/ Westport Mass, and nerby Whistler Point road (Tiverton). See pages 21,35,36, and 45 for additional detail





OP District: COASTAL  
GIS Alternative: DM Top  
Date Printed: 04/30/2021



**nationalgrid**



12.47KV

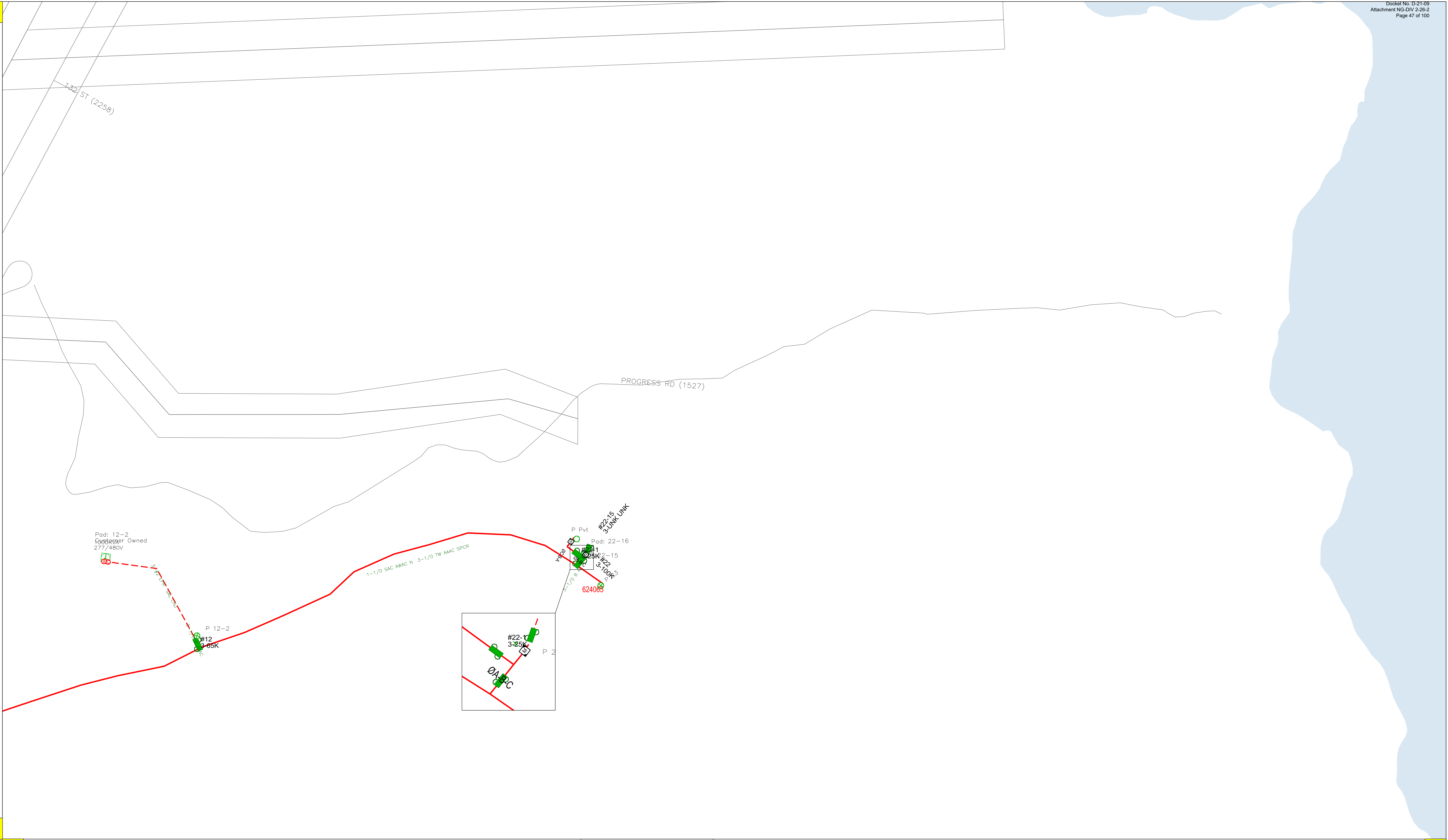
TIVERTON 33F4

Index Map

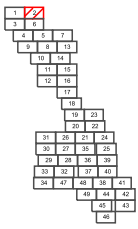
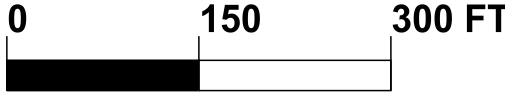




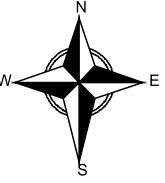
TIVERTON 33F4  
Sheet 1 of 49  
Feeder Detail Map



OP District: COASTAL  
GIS Alternative: DM Top  
Date Printed: 04/30/2021



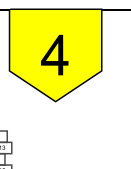
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12.47KV

**TIVERTON 33F4**  
Sheet 2 of 49  
Feeder Detail Map

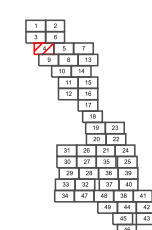




TIVERTON 33F4  
Sheet 3 of 49  
Feeder Detail Map

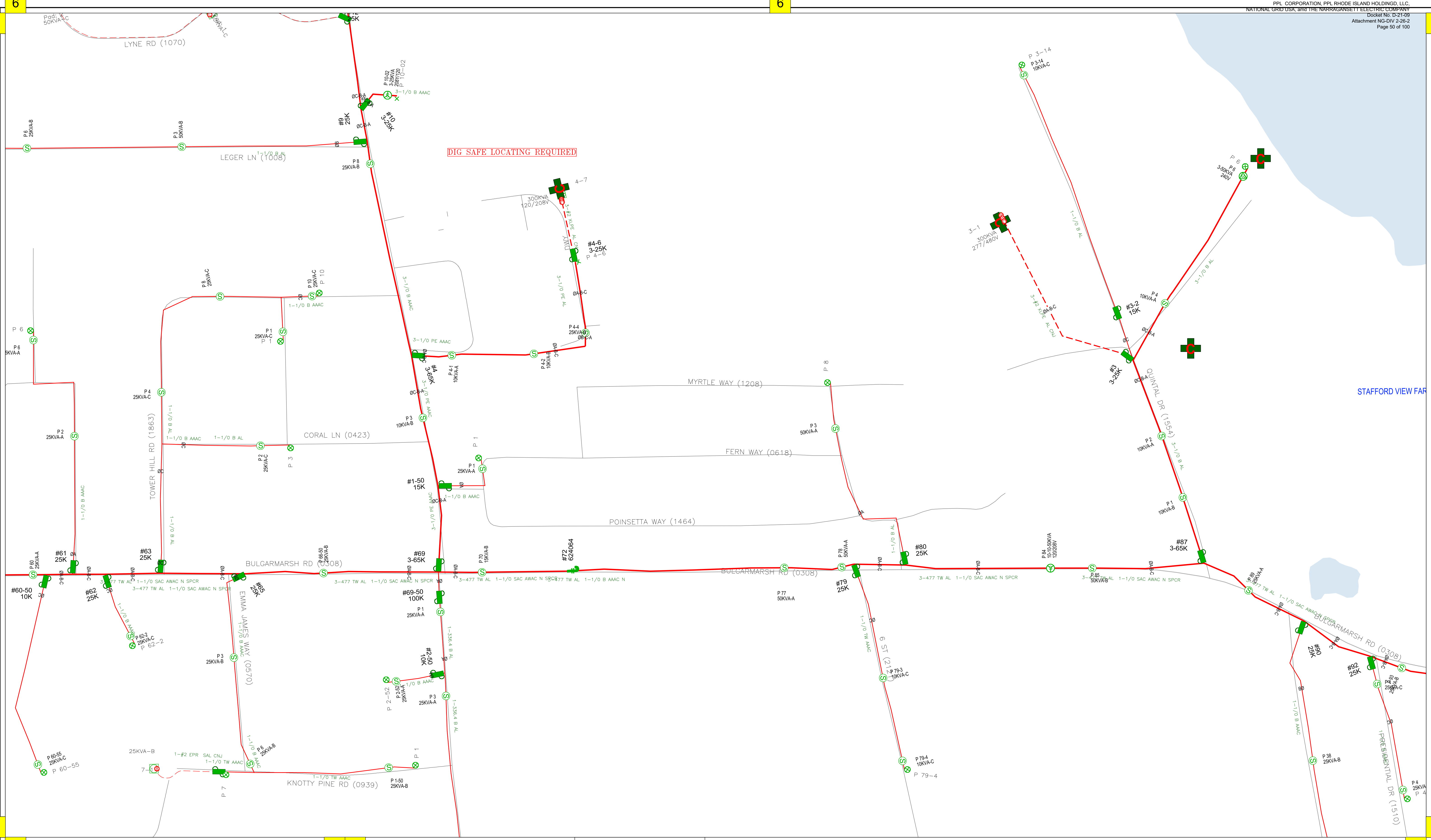


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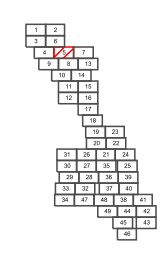
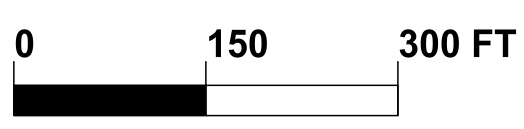


TIVERTON 33F4  
Sheet 4 of 49  
Feeder Detail Map





OP District: COASTAL  
GIS Alternative: DM Top  
Date Printed: 04/30/2021

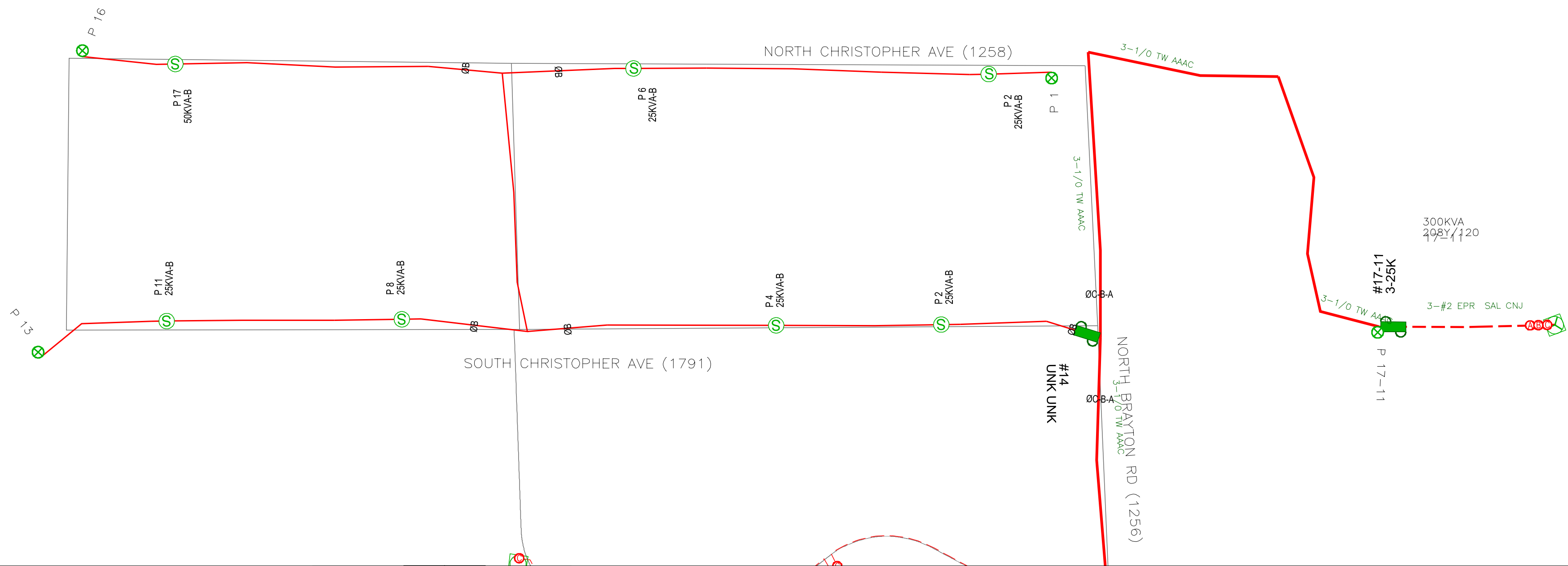


nationalgrid



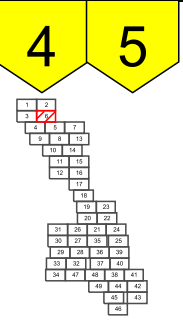
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TIVERTON 33F4  
Sheet 5 of 49  
Feeder Detail Map

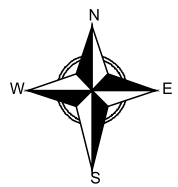


OP District: COASTAL  
GIS Alternative: DM Top  
Date Printed: 04/30/2021

0 150 300 FT



nationalgrid



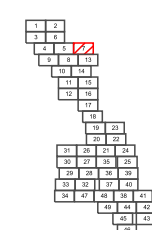
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TIVERTON 33F4  
Sheet 6 of 49  
Feeder Detail Map

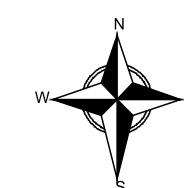
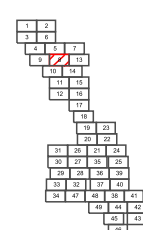
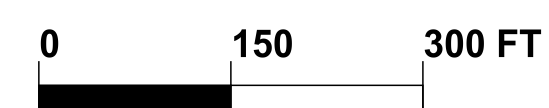
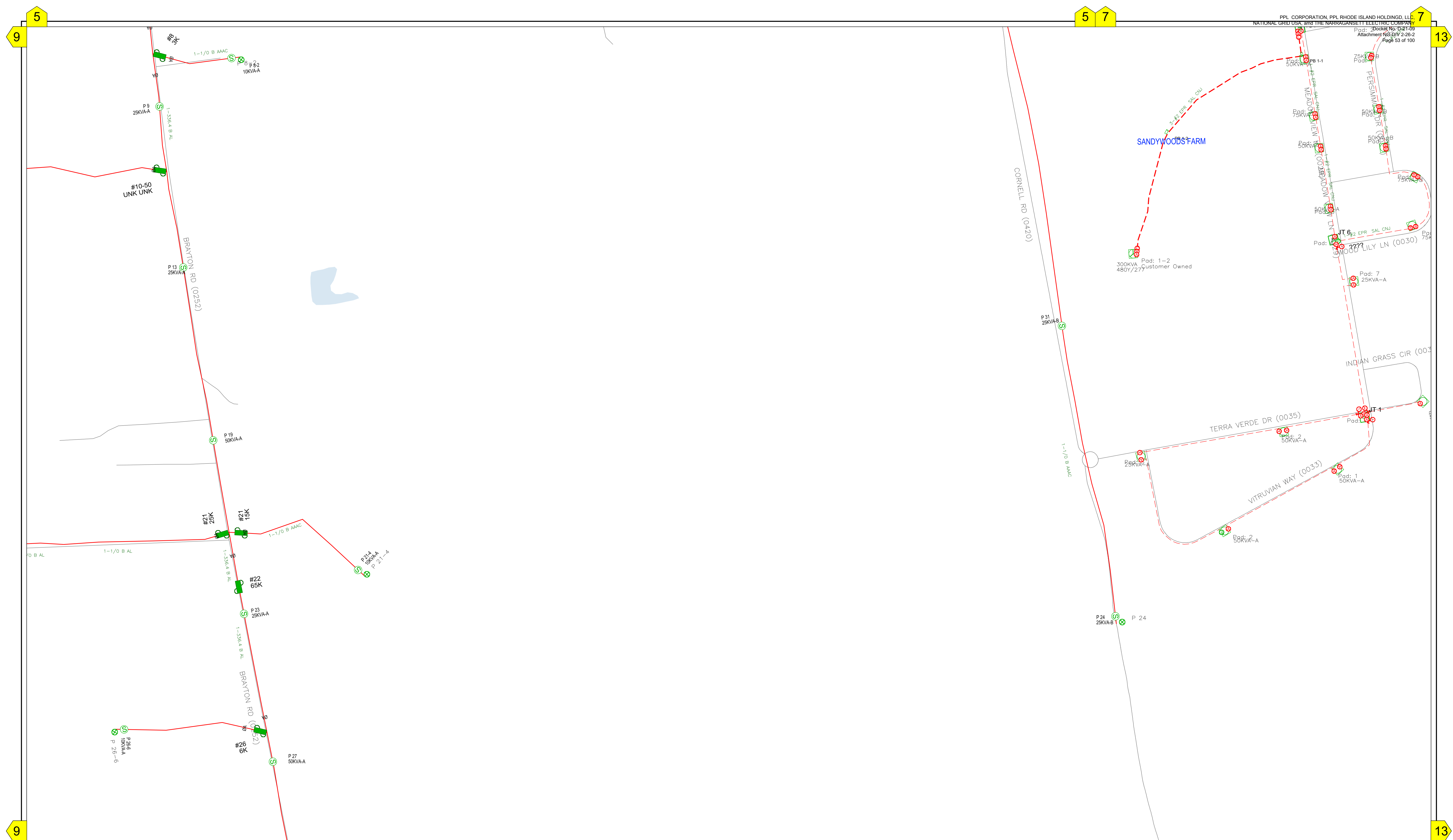




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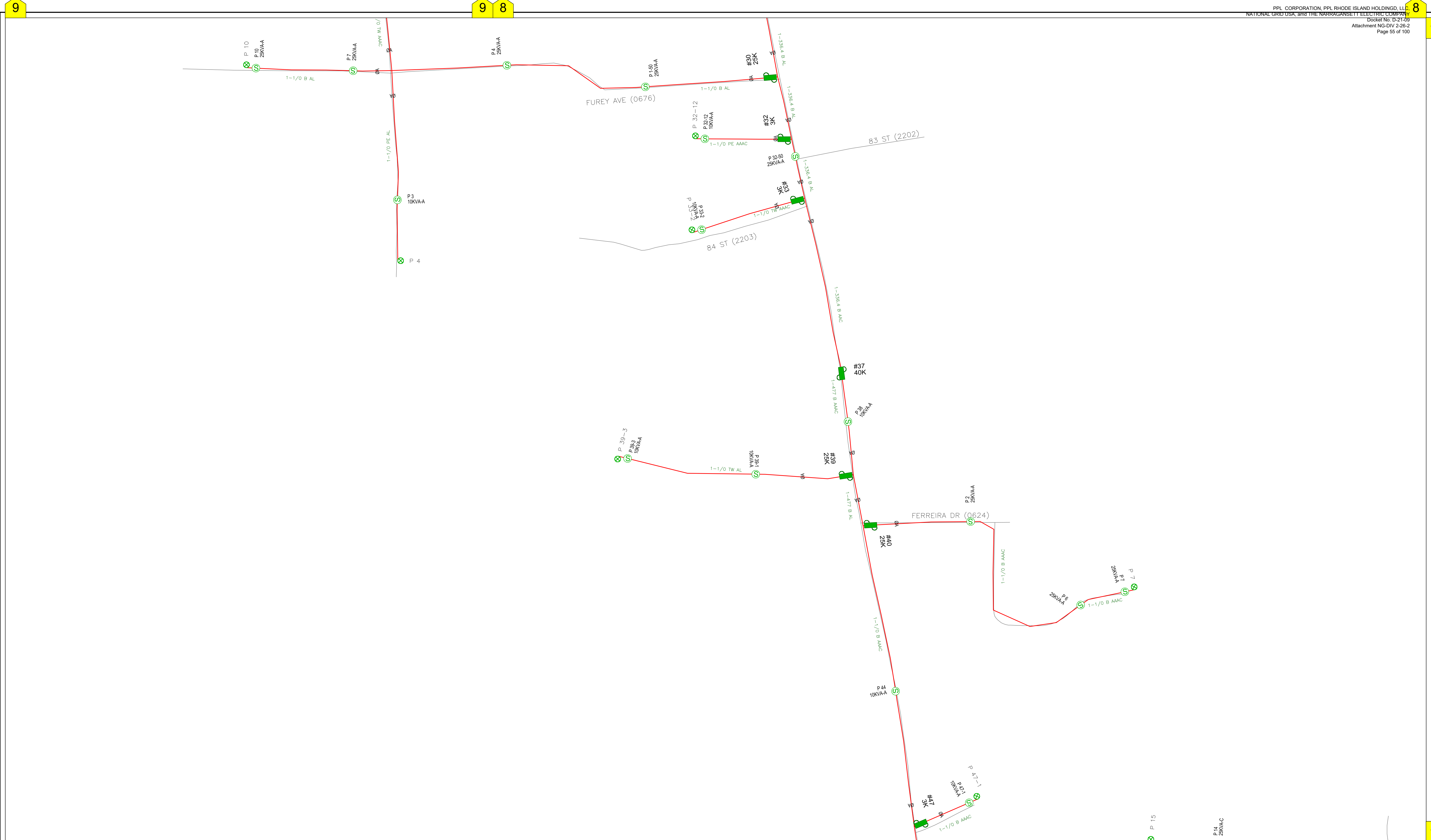
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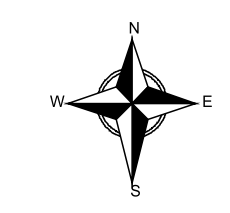
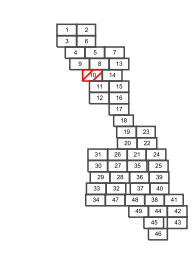
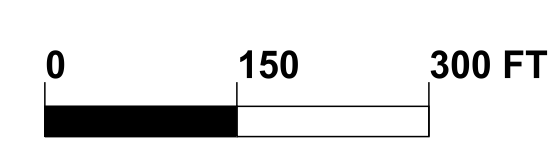




TIVERTON 33F4  
Sheet 9 of 49  
Feeder Detail Map



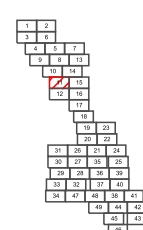
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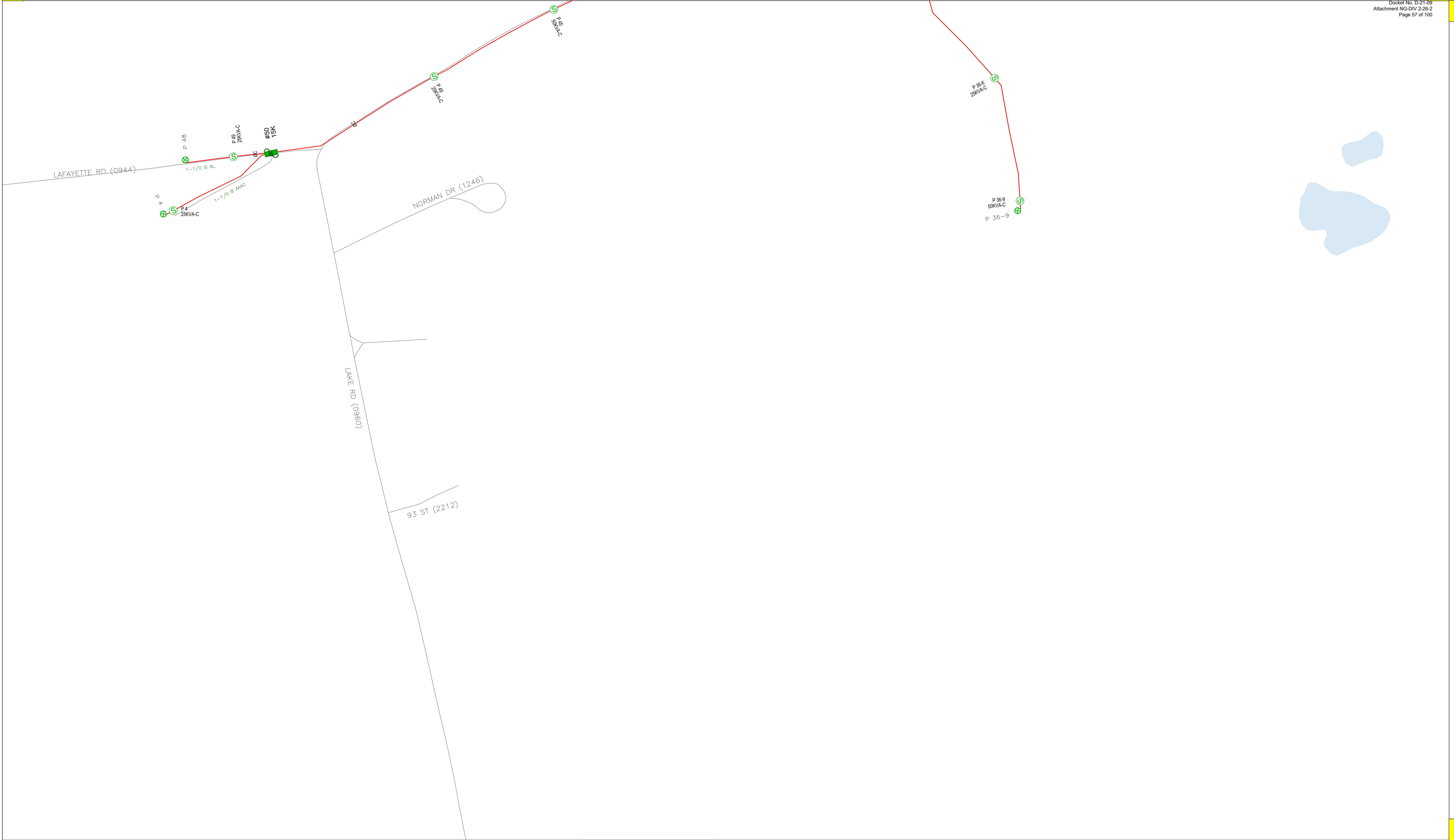
TIVERTON 33F4  
Sheet 10 of 49  
Feeder Detail Map



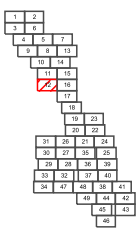
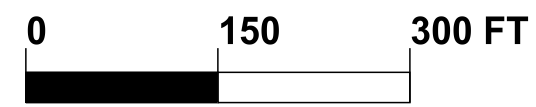


12.47KV

TIVERTON 33F4  
Sheet 11 of 49  
Feeder Detail Map



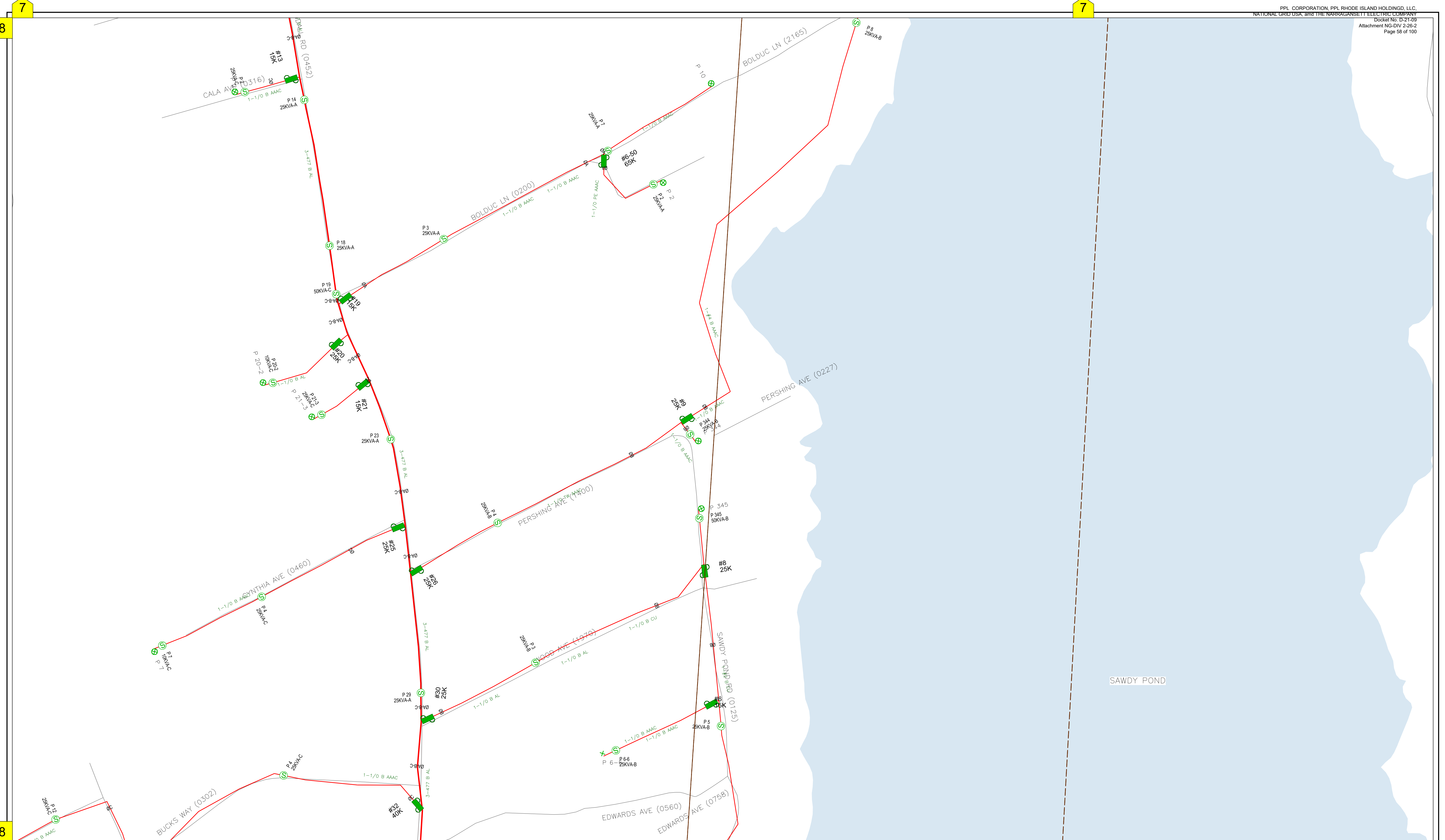
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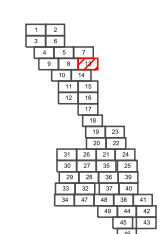
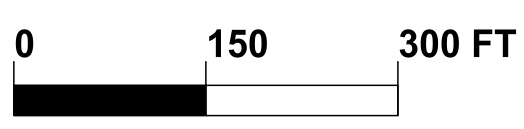
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TIVERTON 33F4  
Sheet 12 of 49  
Feeder Detail Map





OP District: COASTAL  
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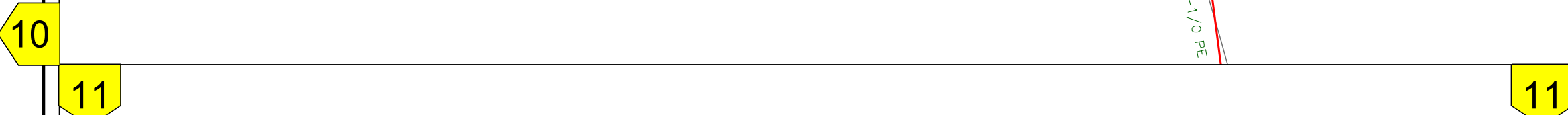


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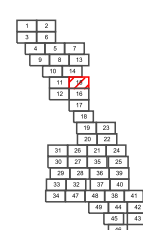


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**TIVERTON 33F4**  
Sheet 13 of 49  
Feeder Detail Map

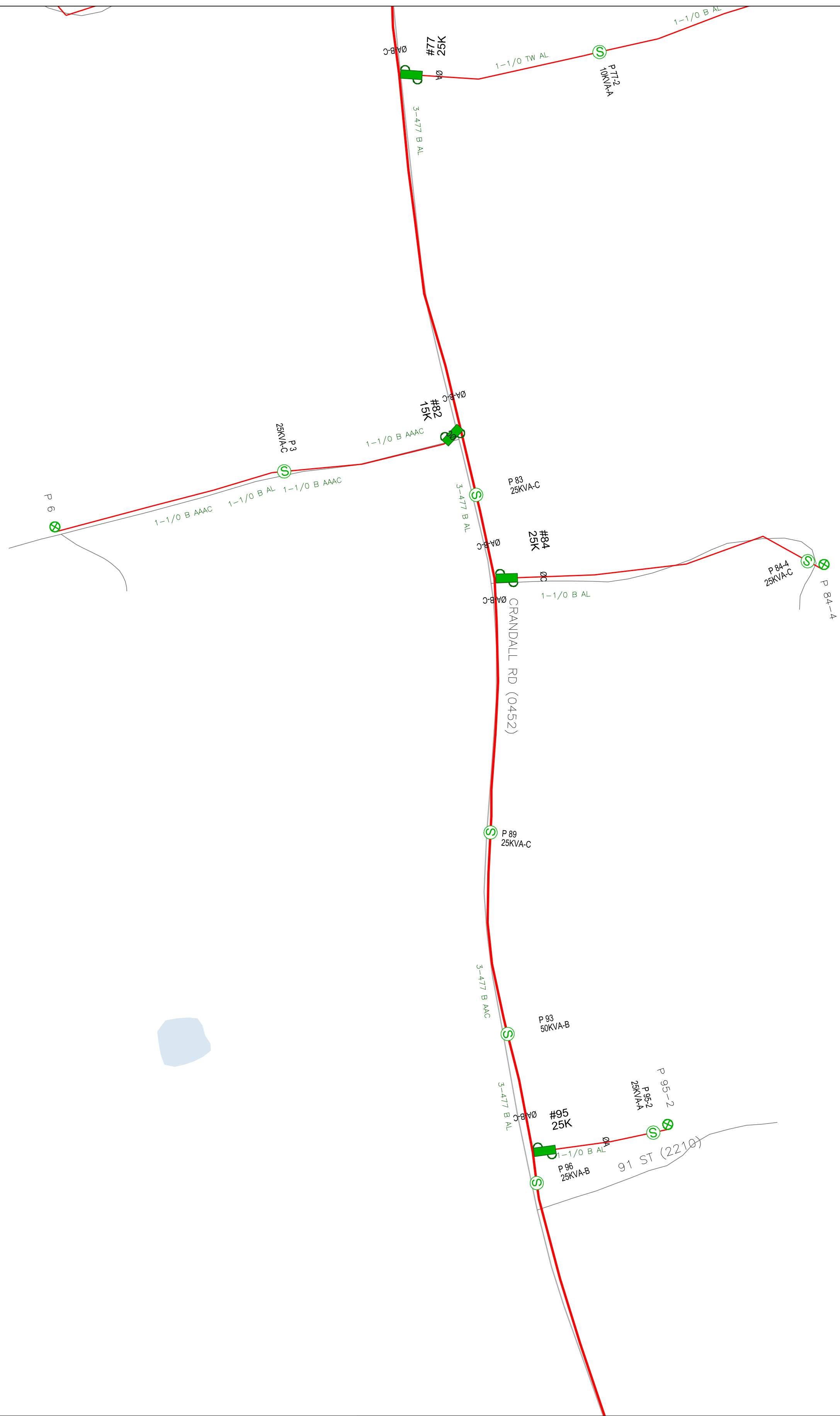




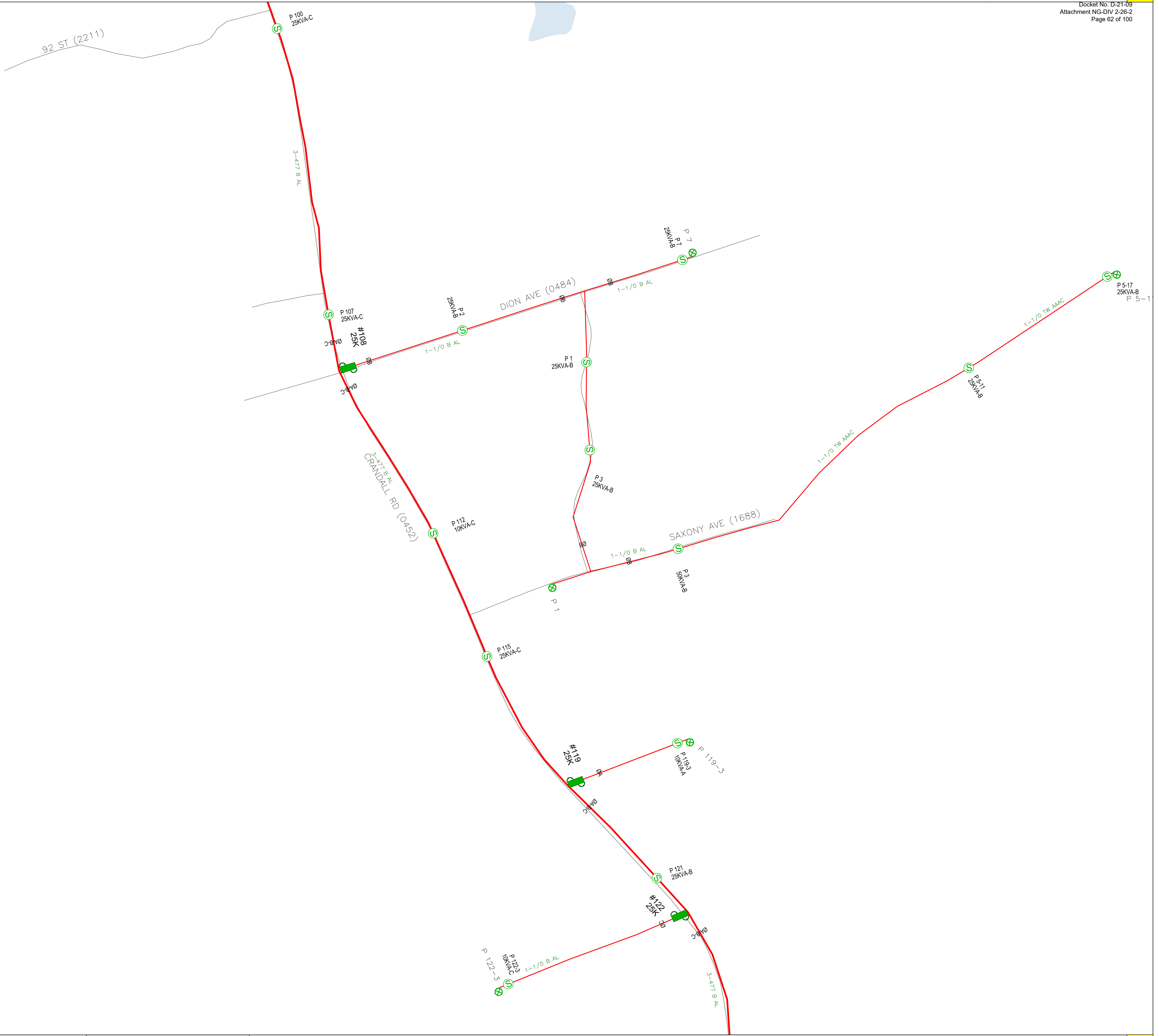


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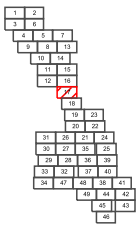
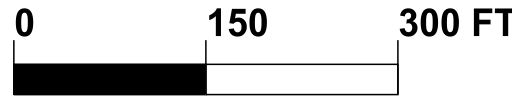
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Sheet 15 of 49  
Feeder Detail Map







OP District: COASTAL  
GIS Alternative: DM Top  
Date Printed: 04/30/2021



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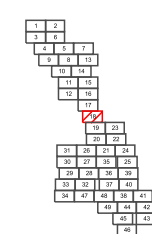


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**TIVERTON 33F4**  
Sheet 17 of 49  
Feeder Detail Map

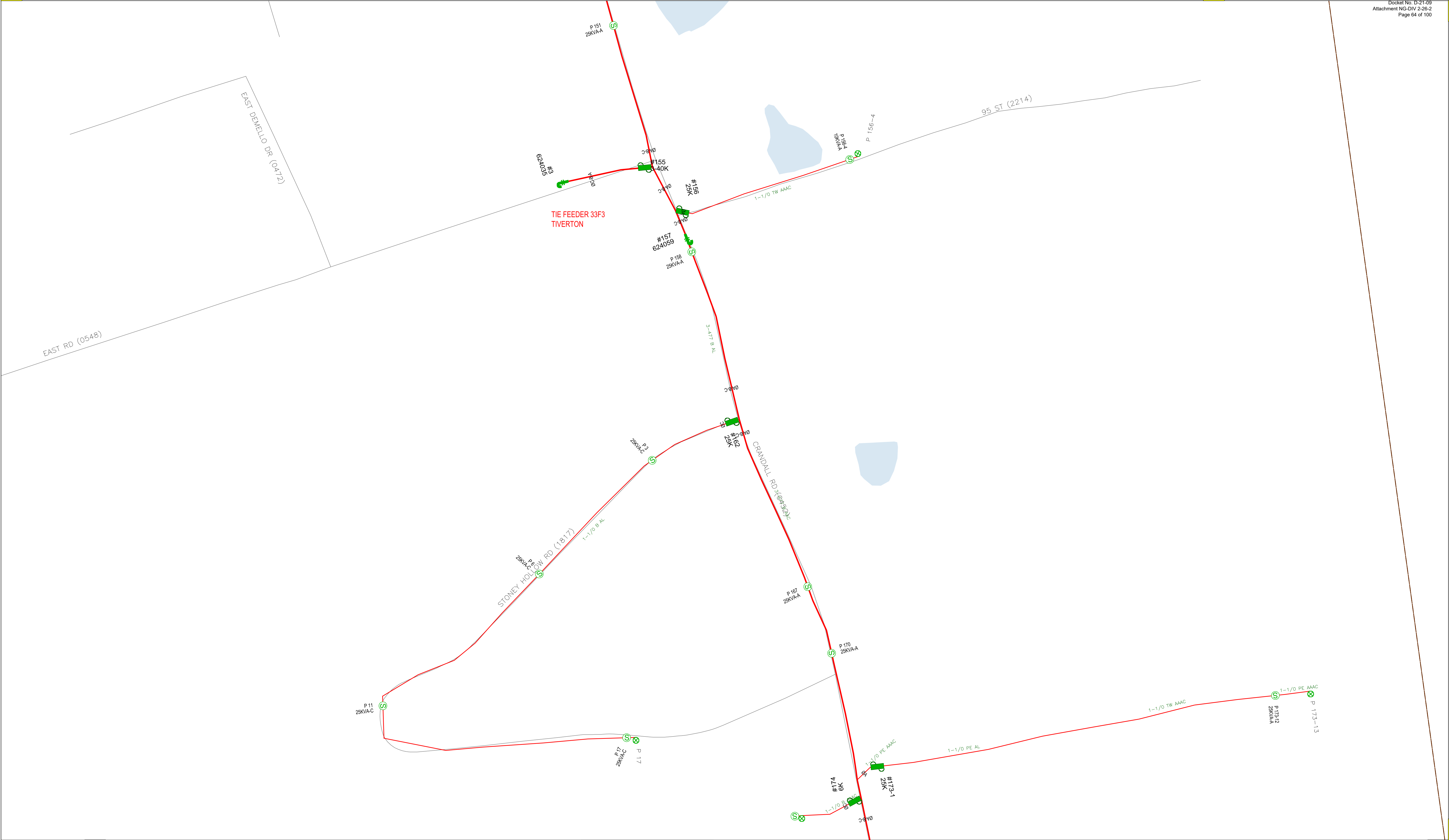


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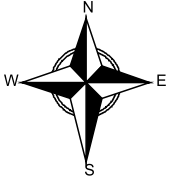
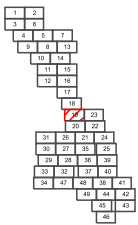
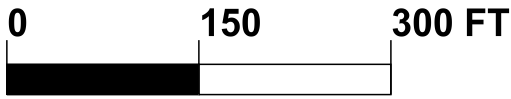


TIVERTON 33F4  
Sheet 18 of 49  
Feeder Detail Map





OP District: COASTAL  
GIS Alternative: DM Top  
Date Printed: 04/30/2021



12.47KV

TIVERTON 33F4  
Sheet 19 of 49  
Feeder Detail Map

FIELD STRONG FARM

SIMMON'S LN (1768)

TWO ROD WAY (1885)

OLD STO

CEDAR VALLEY WAY (0285)

P 176  
25KVA-B

P 182  
25KVA-A

P 188  
25KVA-A

P 189  
25KVA-A

3-477 B @ RANDALL RD (04-275) AAAC  
P 188  
25KVA-C

P 200  
25KVA-C

#201  
25K

1-1/0 B AAAC  
P 200  
25KVA-B

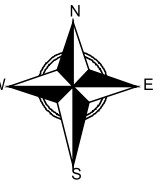
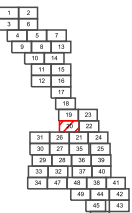
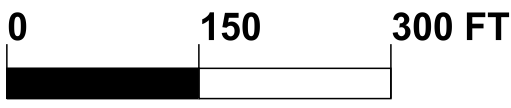
P 204  
25KVA-A

3-477 B AL

3-477 B AL

3-477 B AL

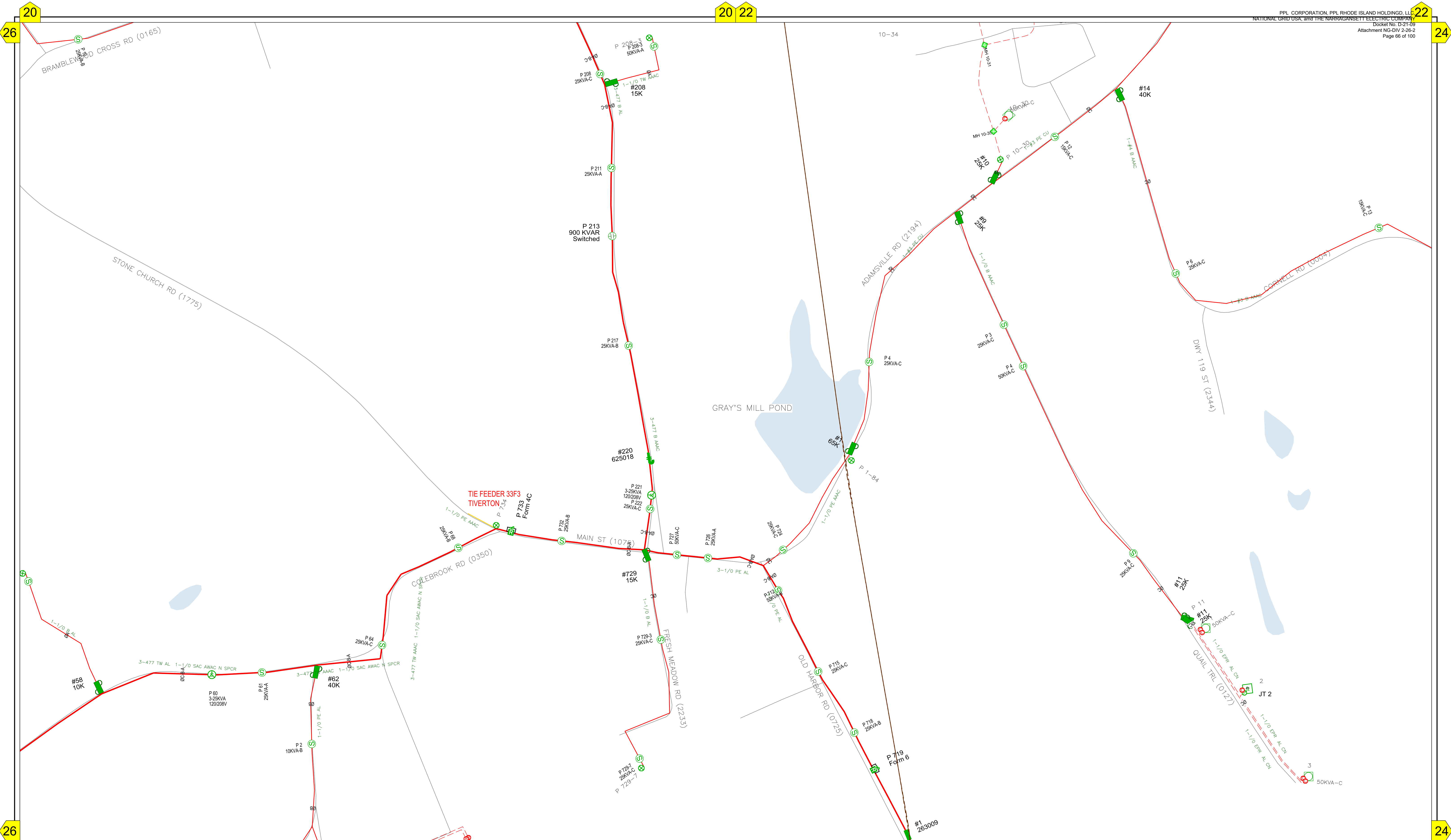
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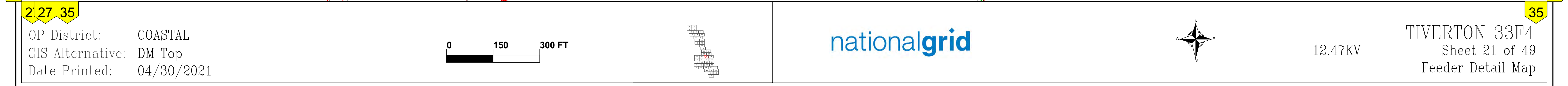
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TIVERTON 33F4  
Sheet 20 of 49  
Feeder Detail Map

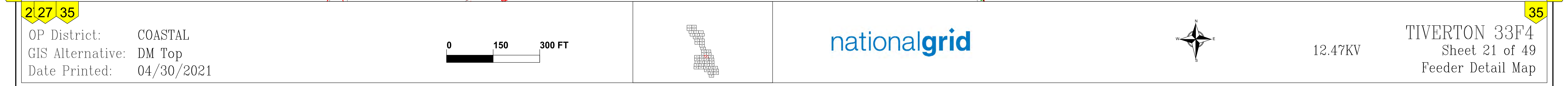




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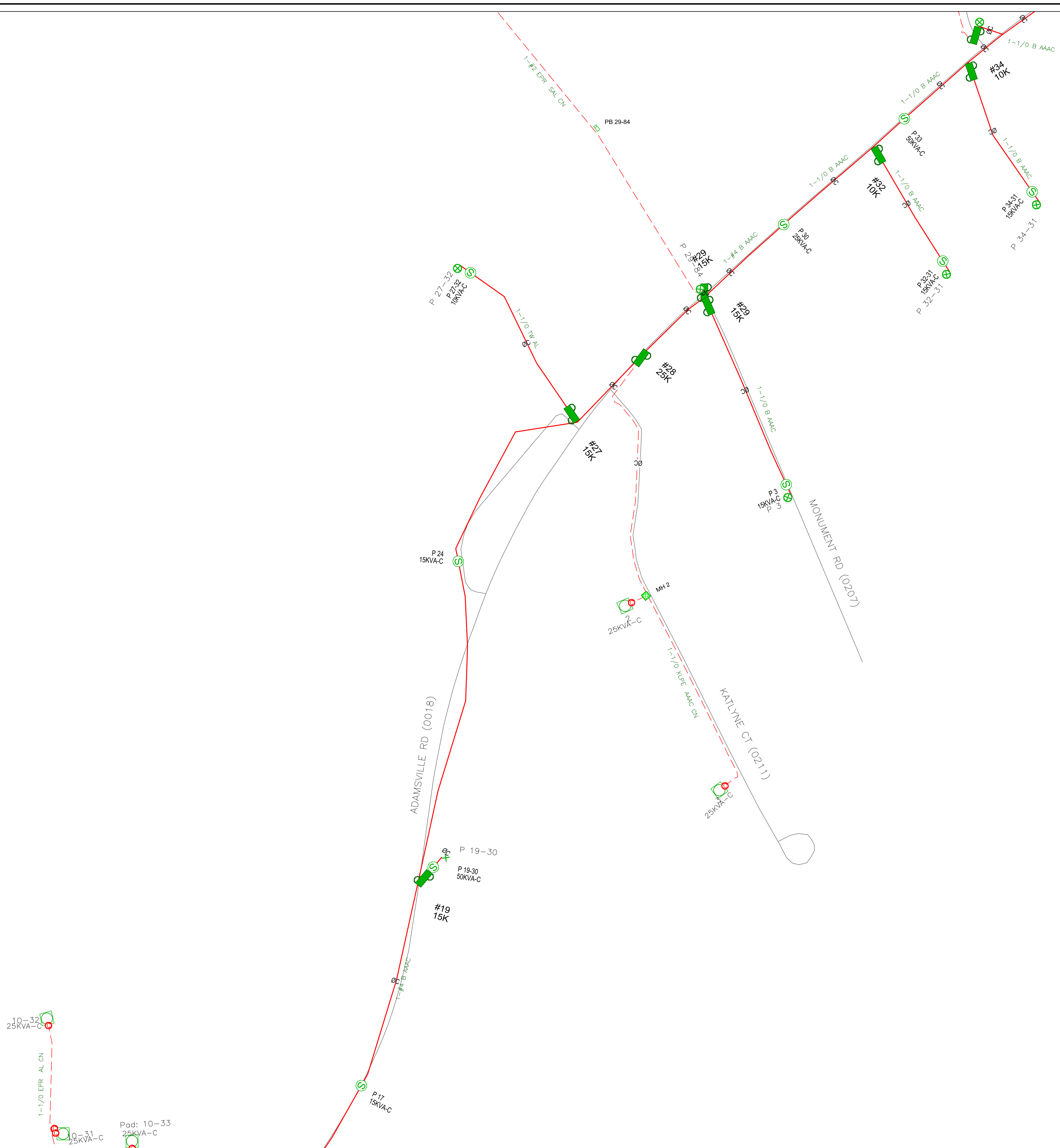


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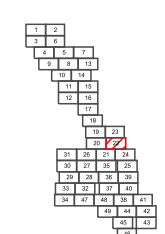
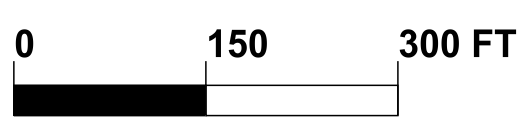


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<div> <div>2</div> <div>27</div> <div>35</div> </div> <p>           OP District: COASTAL            GIS Alternative: DM Top            Date Printed: 04/30/2021         </p>					<div> <div>35</div> </div> <p>           TIVERTON 33F4            Sheet 21 of 49            Feeder Detail Map         </p>
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OP District: COASTAL  
GIS Alternative: DM Top  
Date Printed: 04/30/2021



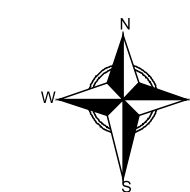
nationalgrid



12.47KV

TIVERTON 33F4  
Sheet 22 of 49  
Feeder Detail Map





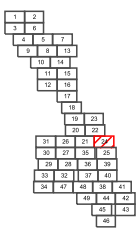
12.47KV

TIVERTON 33F4  
Sheet 23 of 49  
Feeder Detail Map



OP District: COASTAL  
GIS Alternative: DM Top  
Date Printed: 04/30/2021

0 150 300 FT



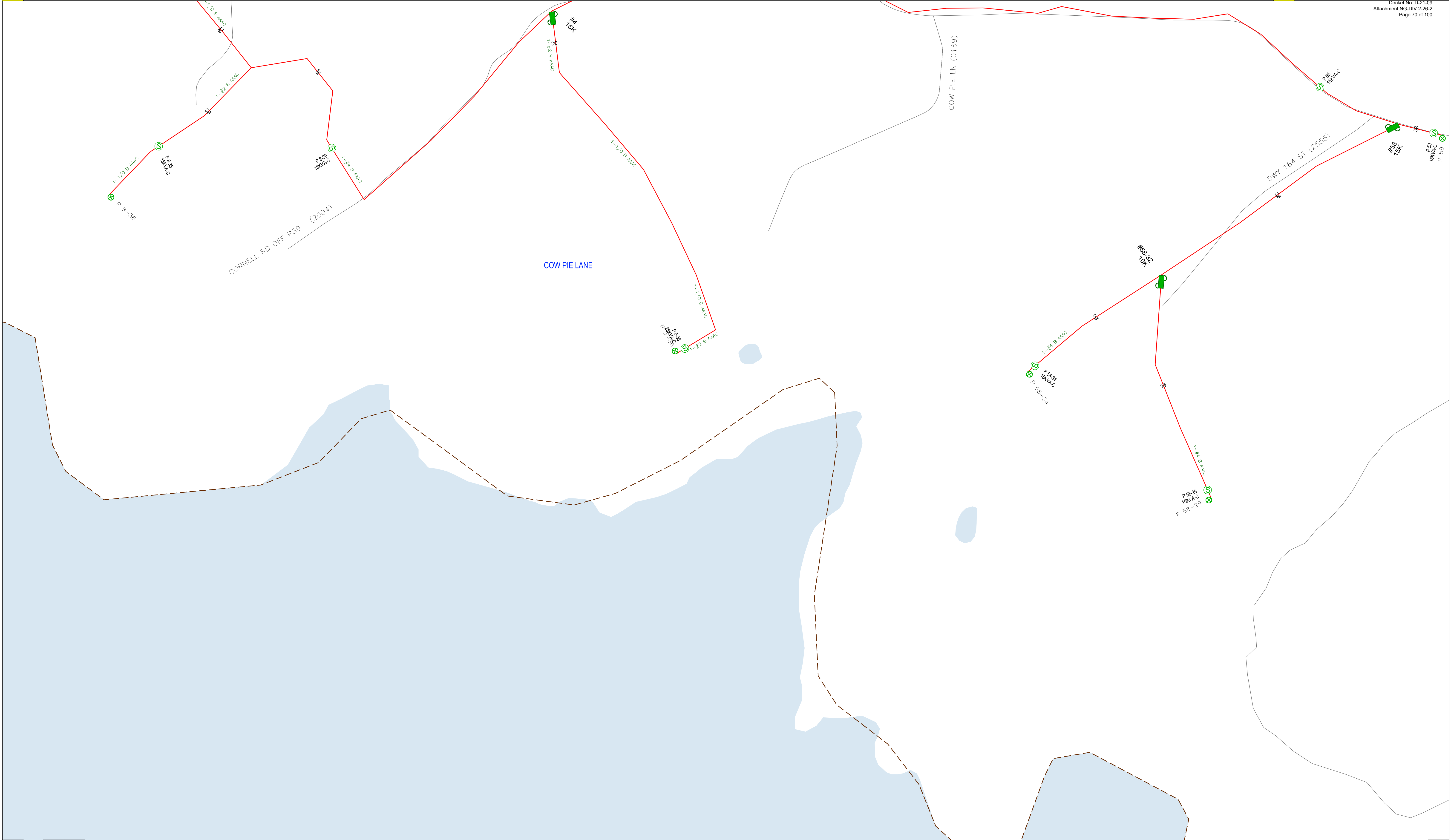
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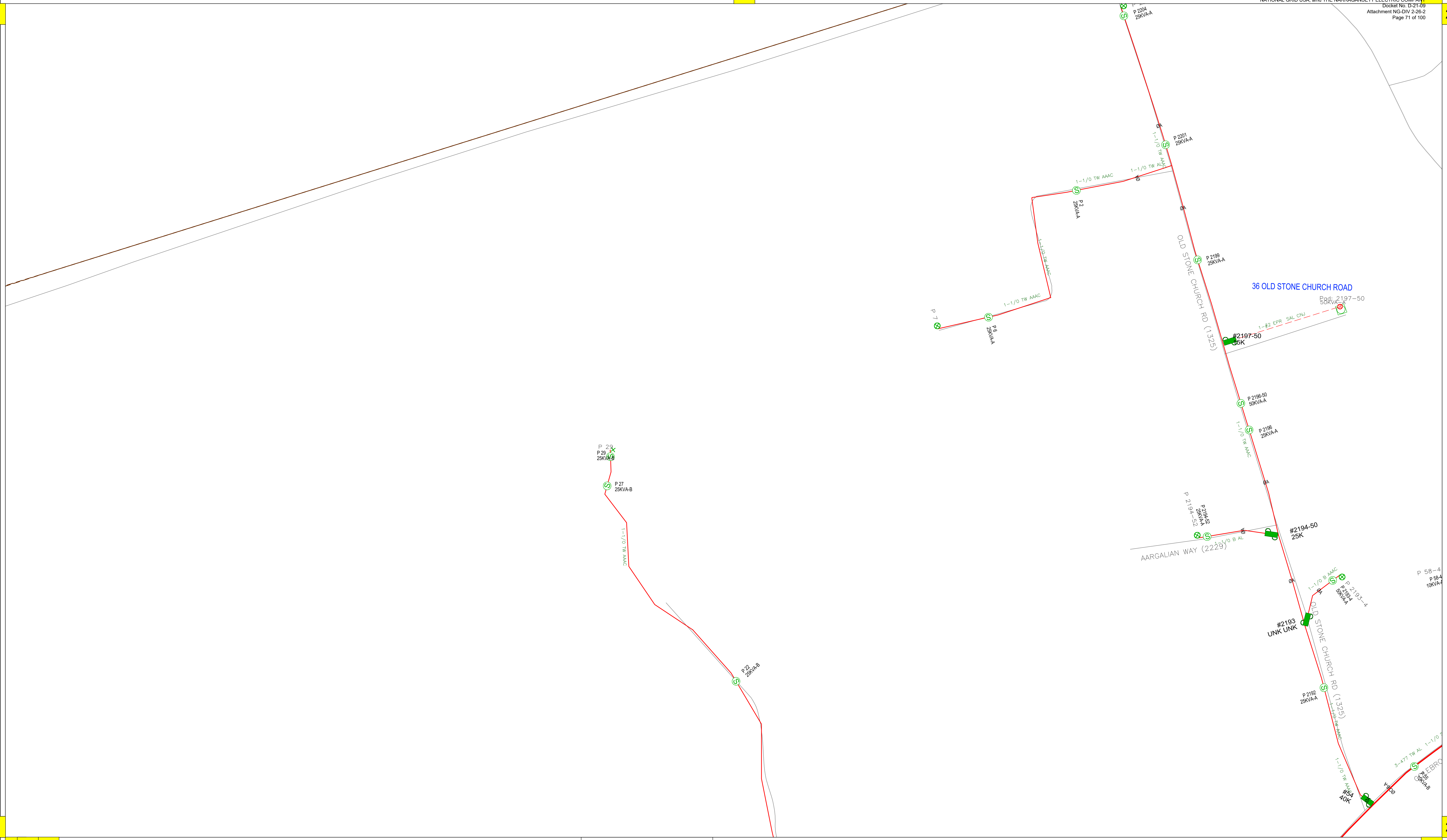


12.47KV

**TIVERTON 33F4**  
Sheet 24 of 49  
Feeder Detail Map



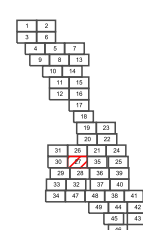




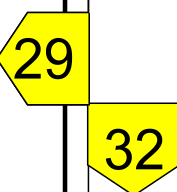




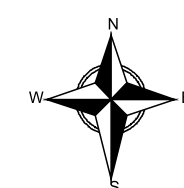
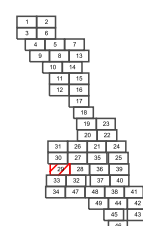
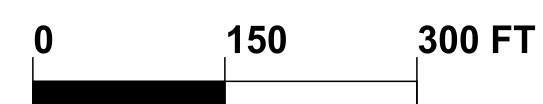
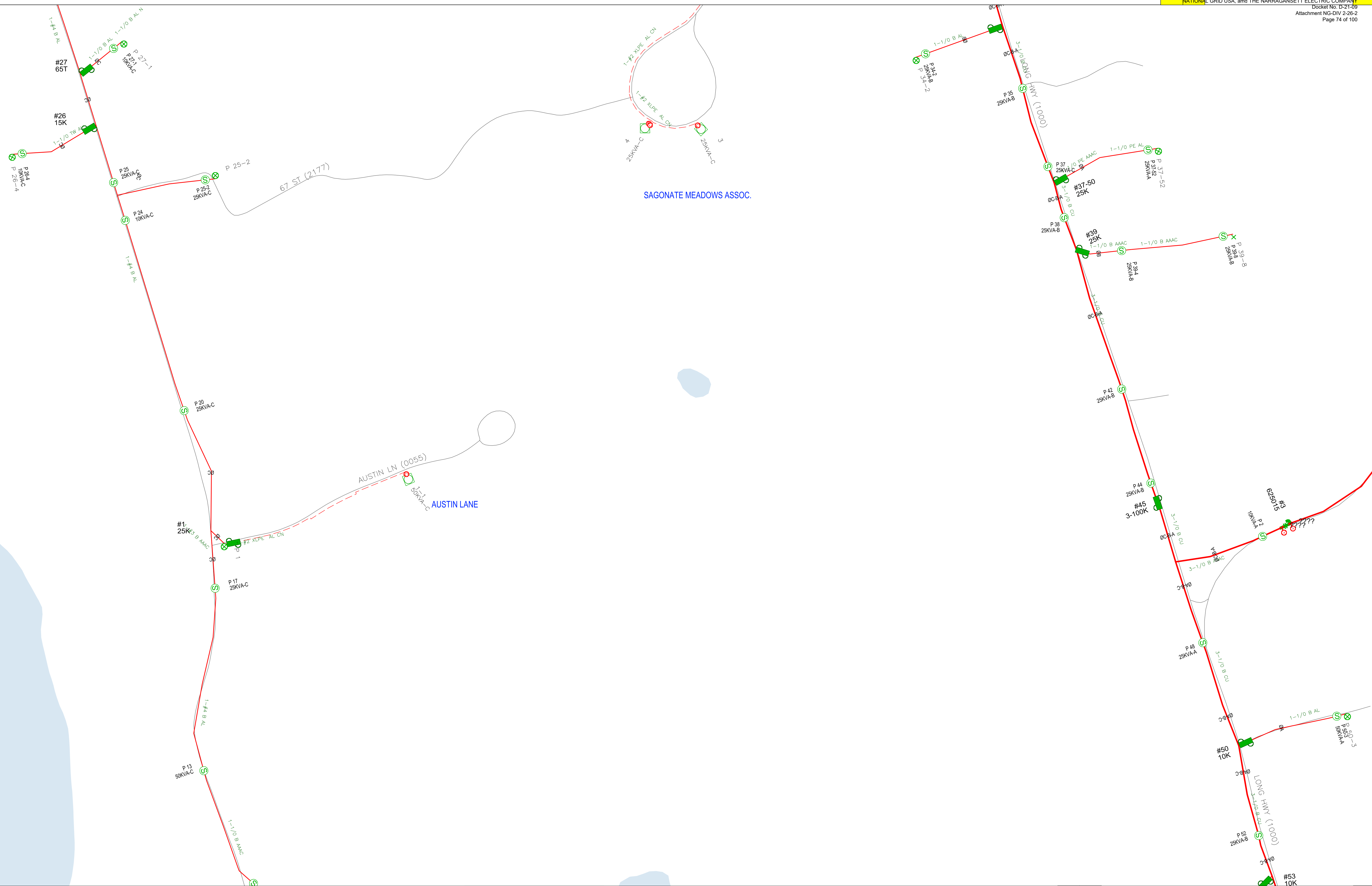
29



28

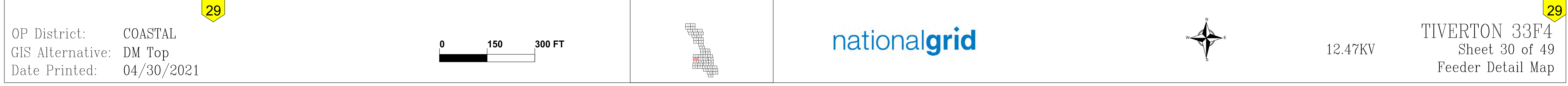




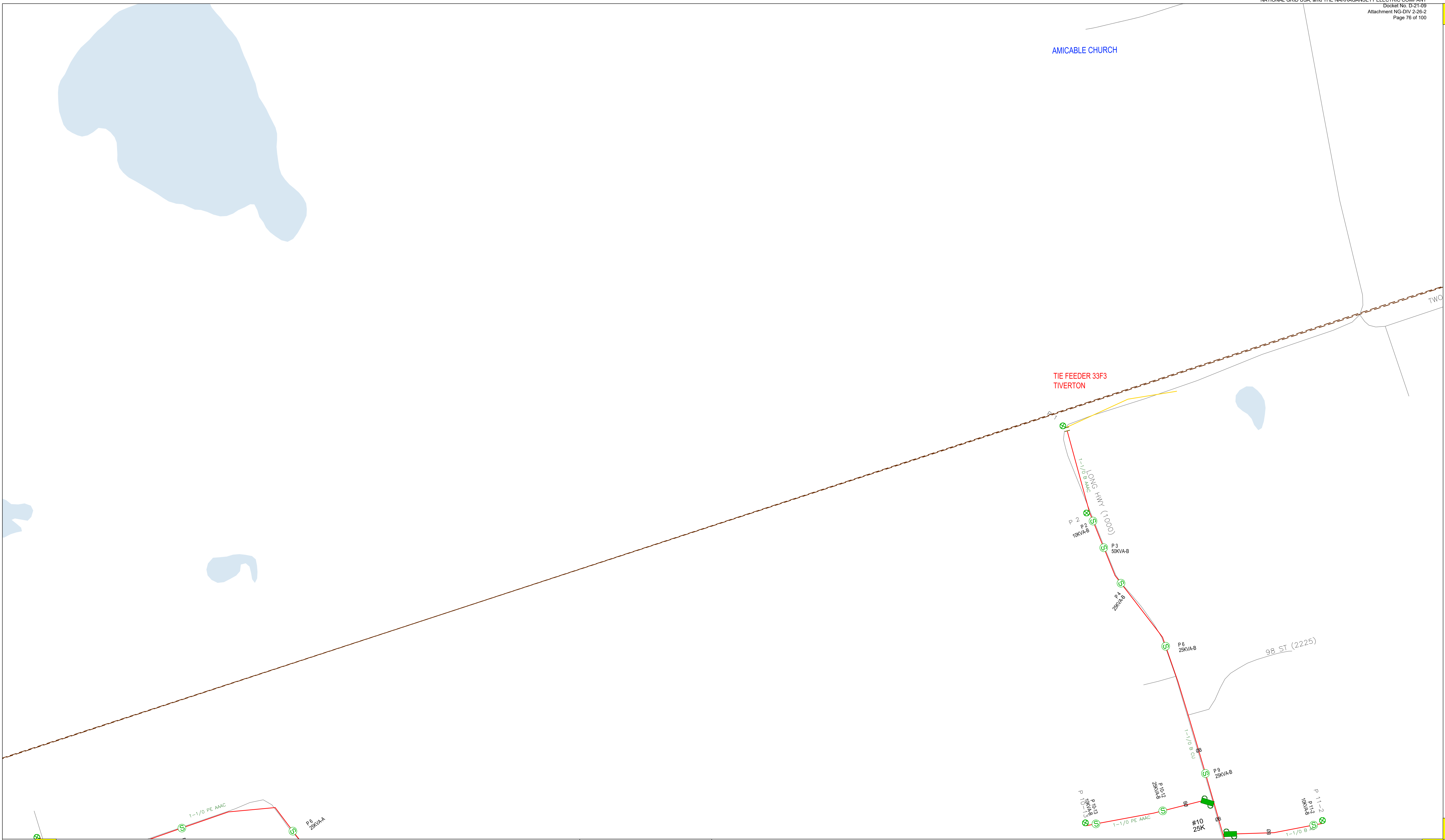


12.47KV

TIVERTON 33F4  
Sheet 29 of 49  
Feeder Detail Map

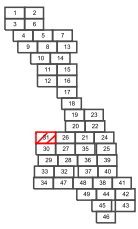




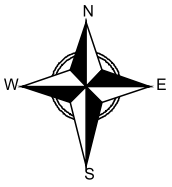


OP District: COASTAL  
GIS Alternative: DM Top  
Date Printed: 04/30/2021

0 150 300 FT

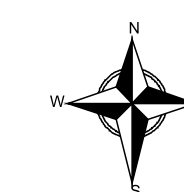
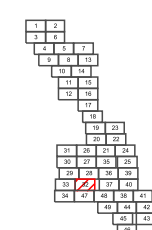
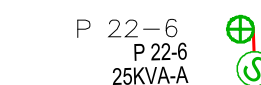


**nationalgrid**

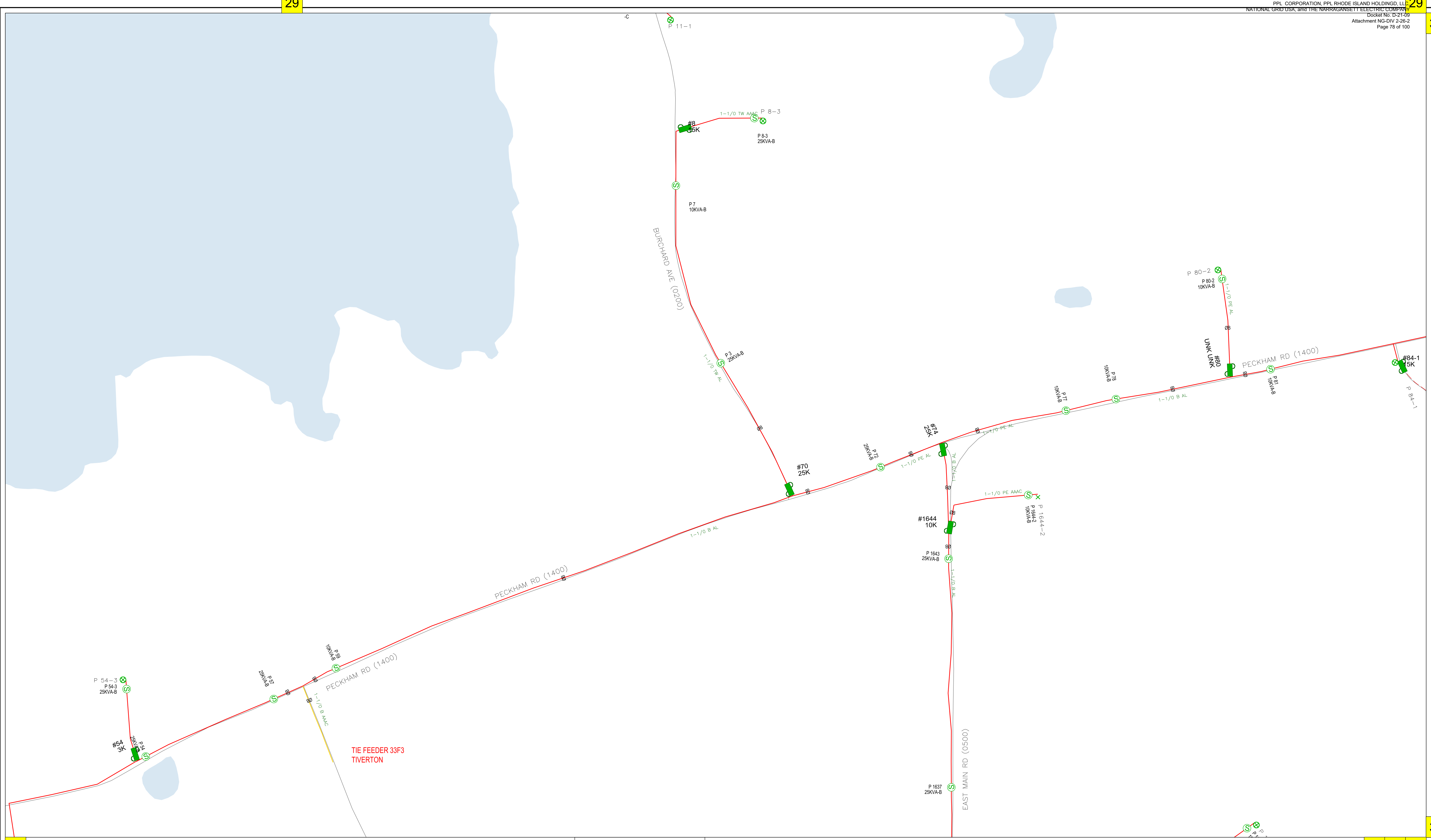


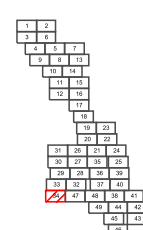
12.47KV

**TIVERTON 33F4**  
Sheet 31 of 49  
Feeder Detail Map



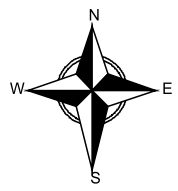
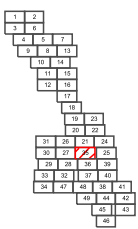
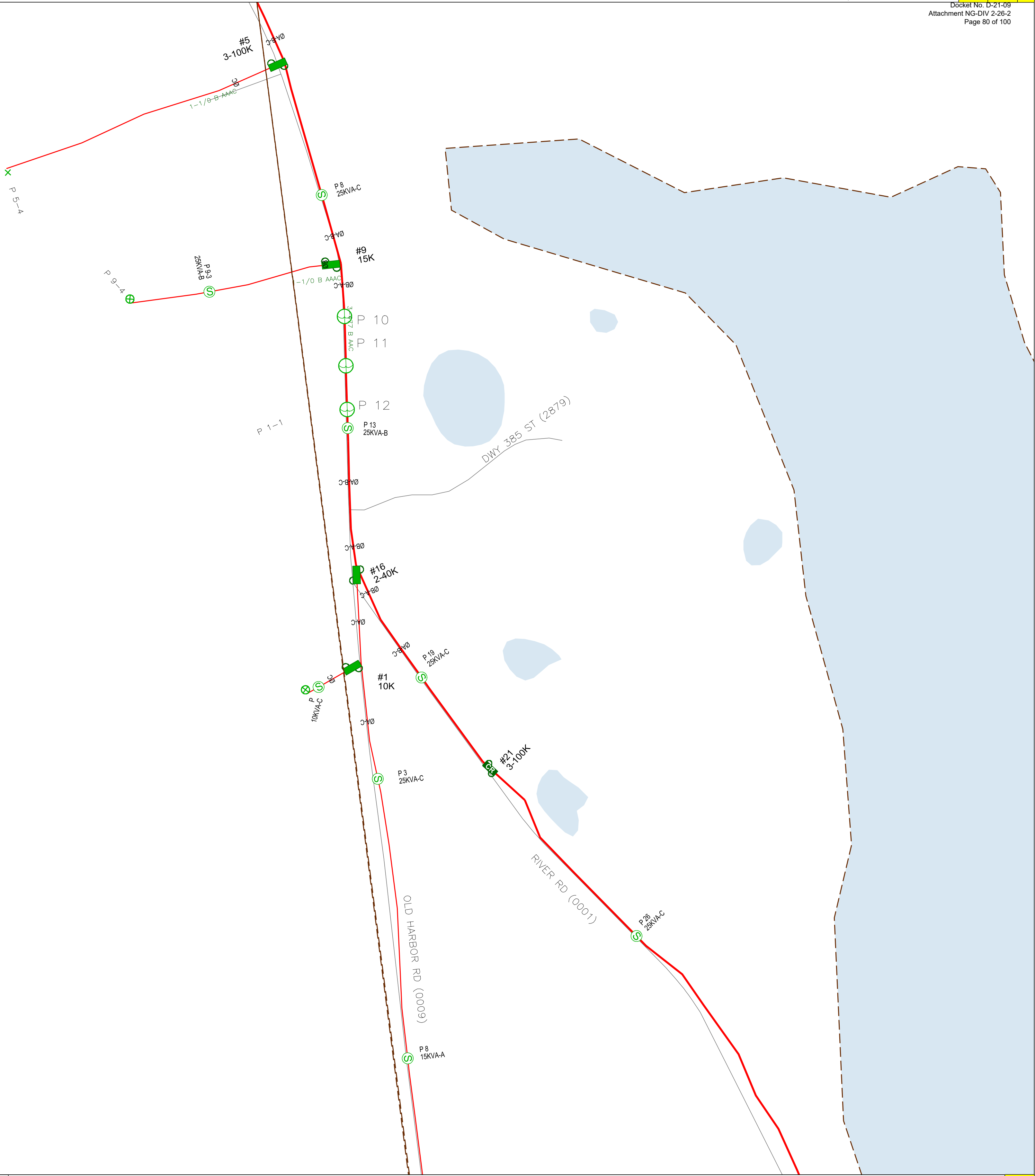
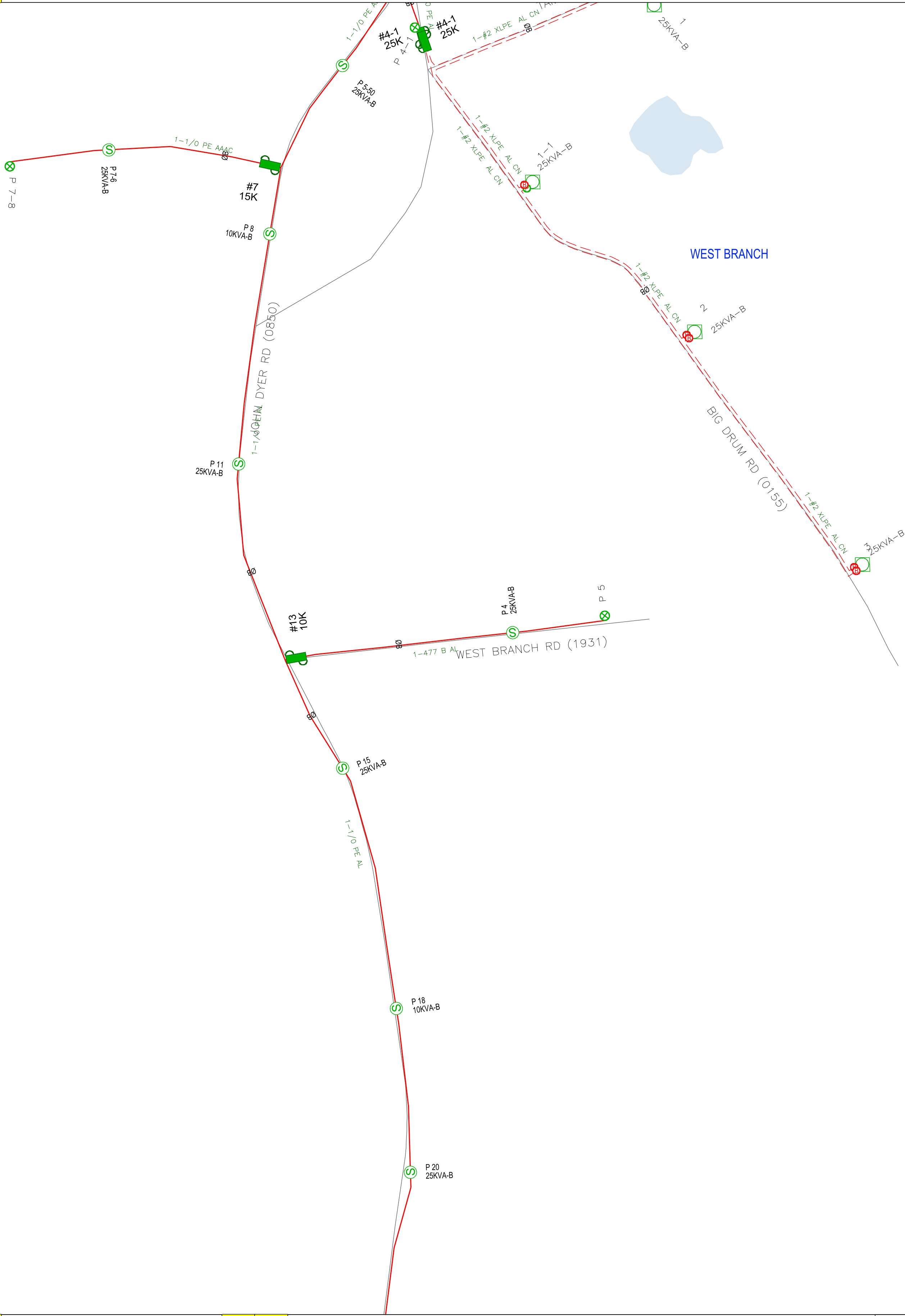


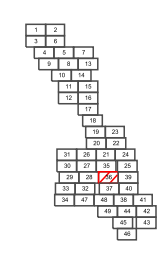
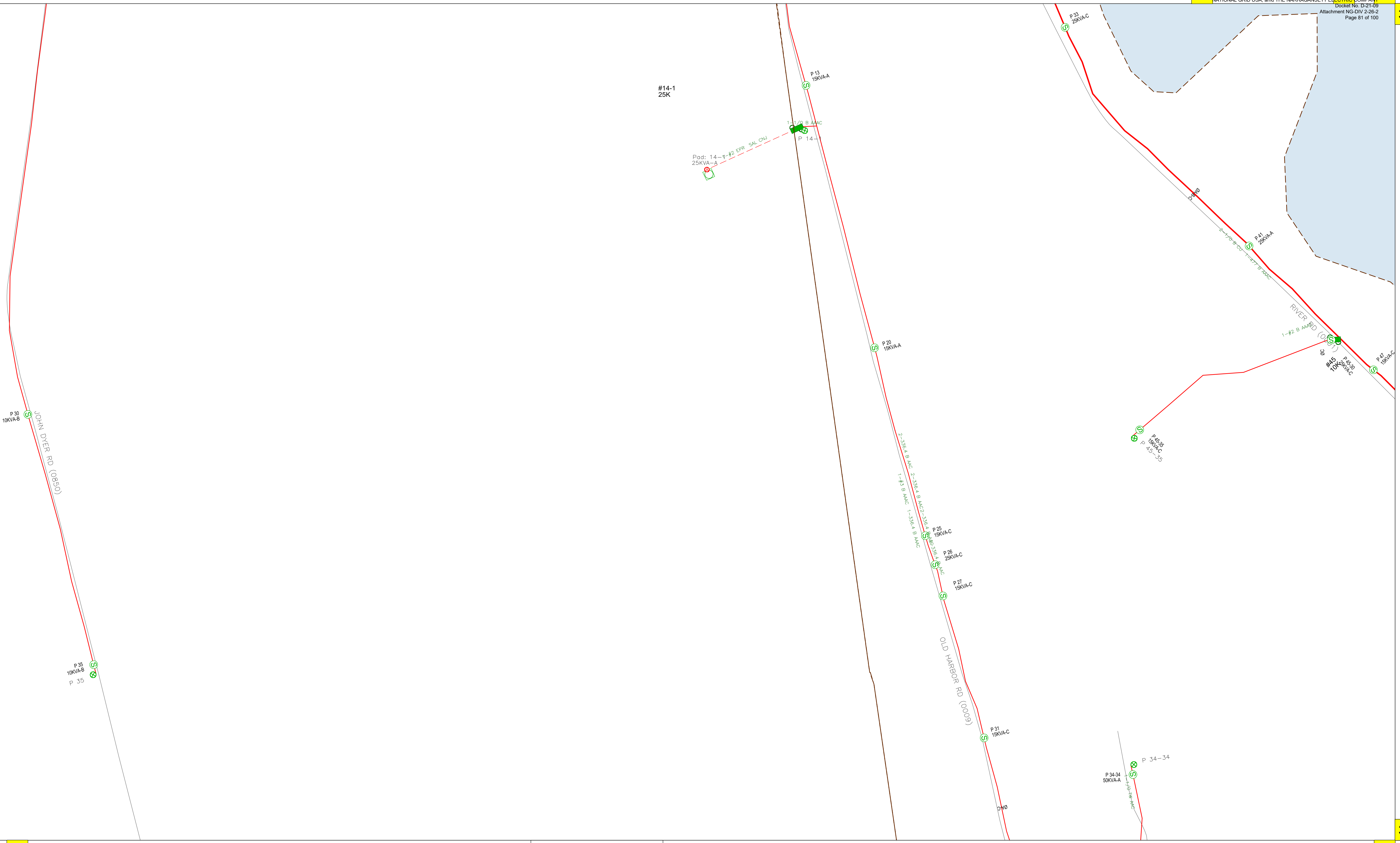




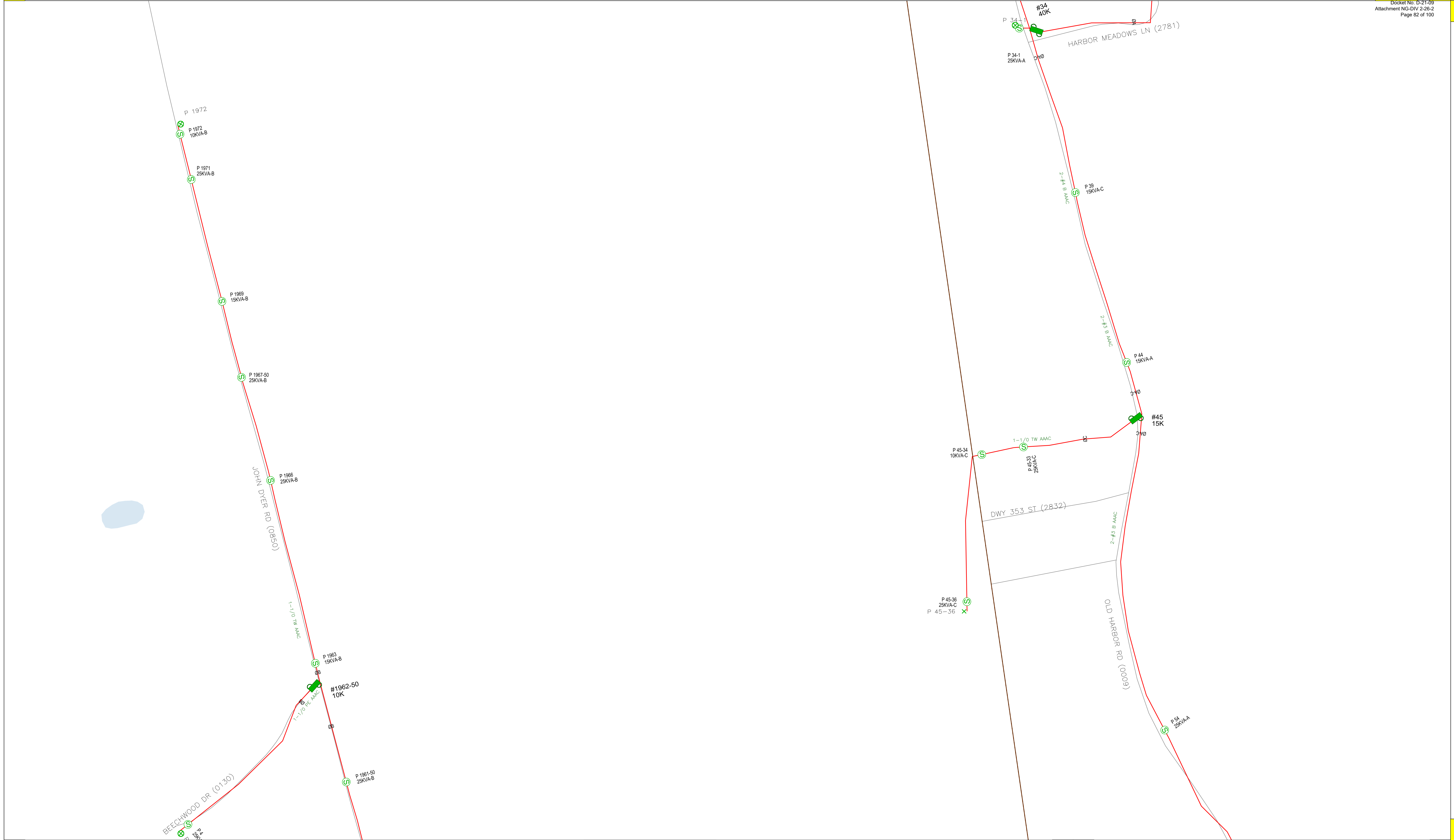
TIVERTON 33F4  
Sheet 34 of 49  
Feeder Detail Map











48

37

37

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48

49

49

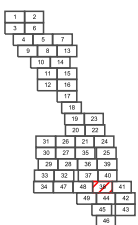
44

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44

OP District: COASTAL  
GIS Alternative: DM Top  
Date Printed: 04/30/2021

0 150 300 FT

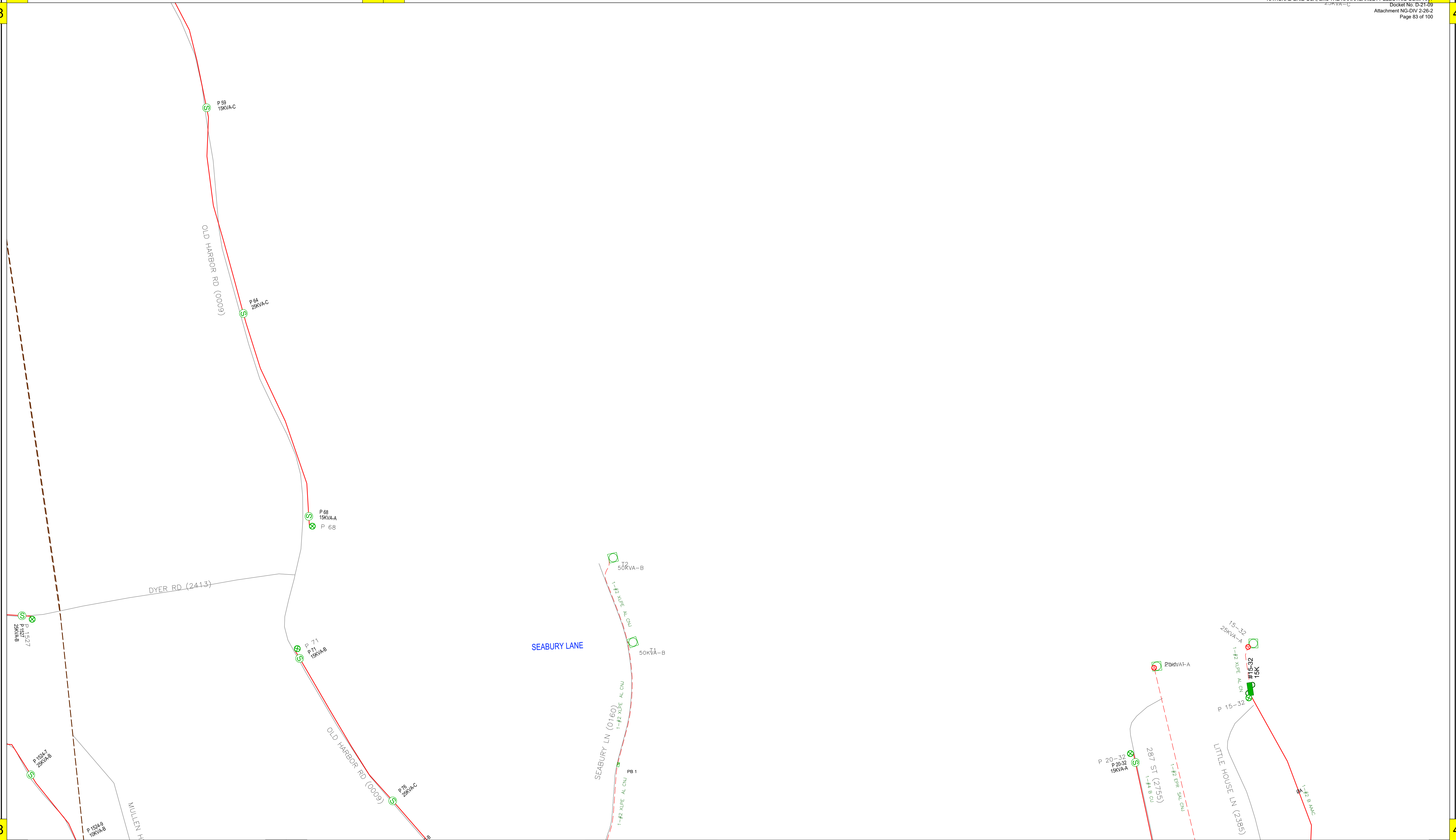


nationalgrid



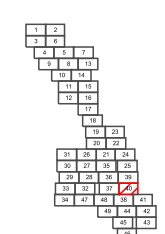
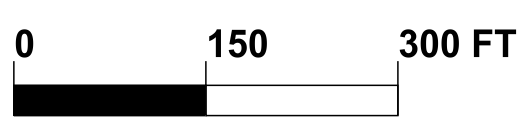
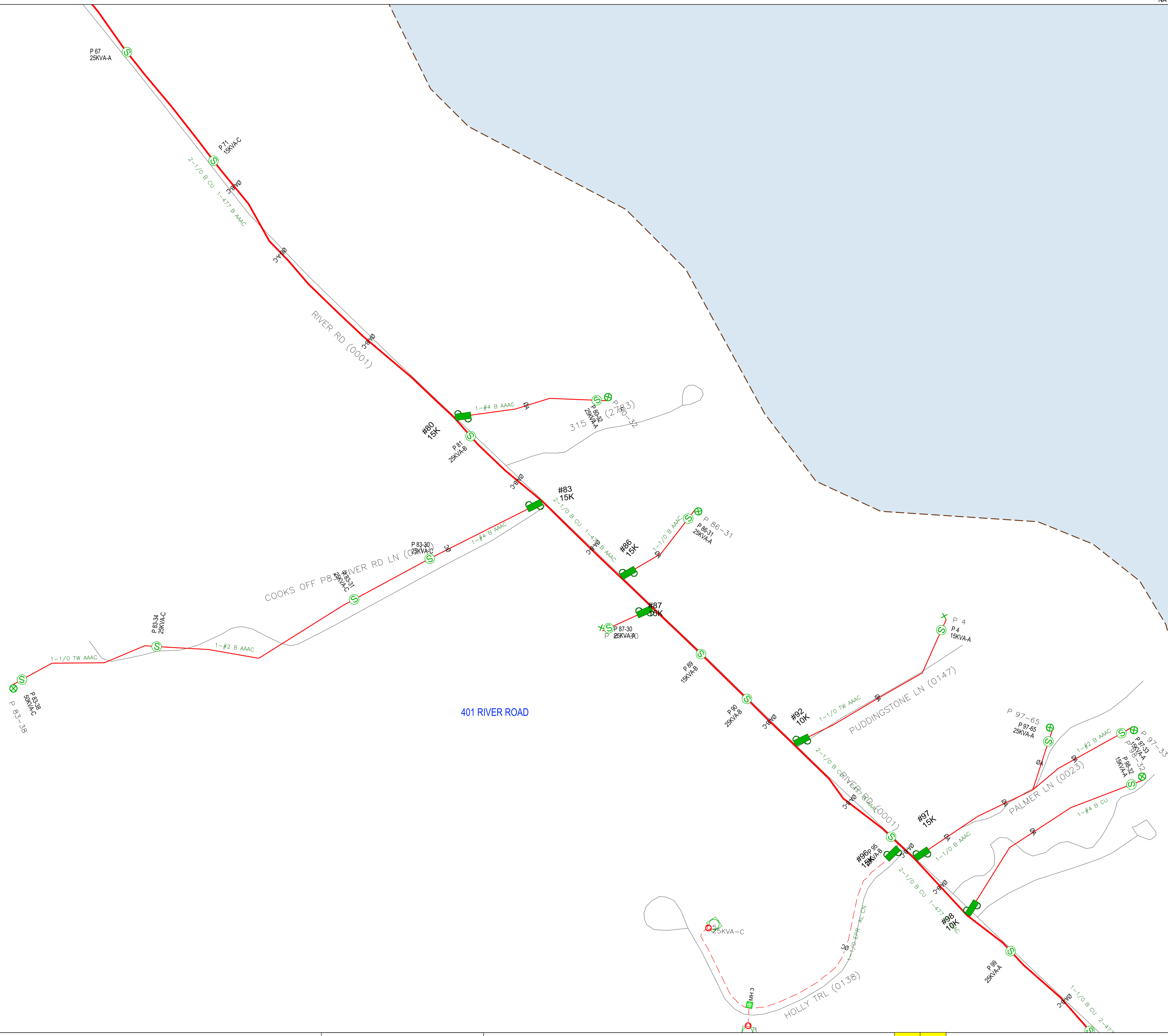
12.47KV

TIVERTON 33F4  
Sheet 38 of 49  
Feeder Detail Map

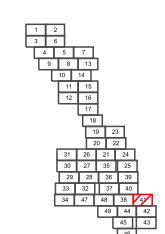


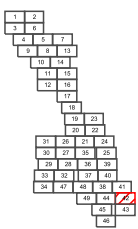
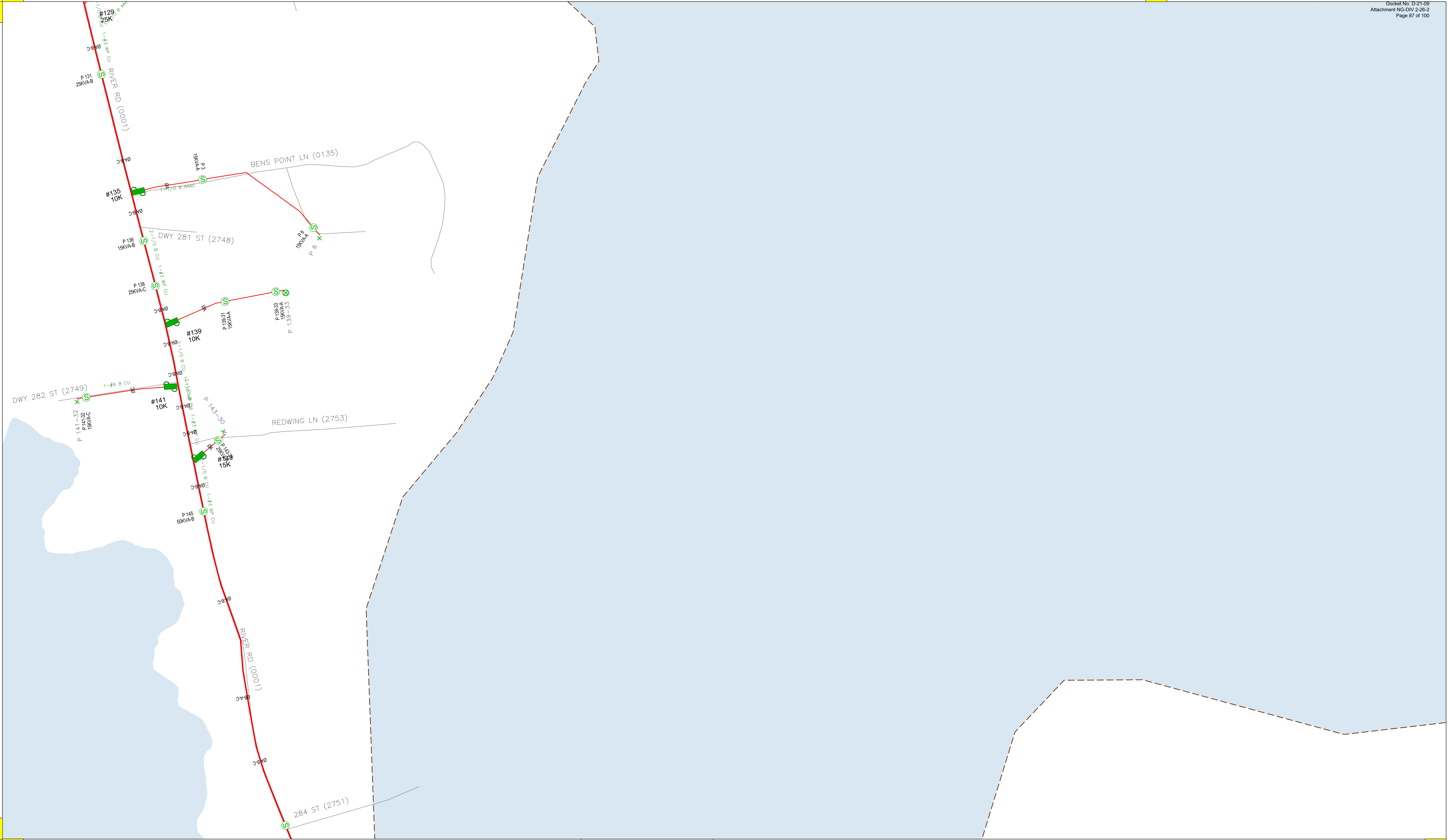




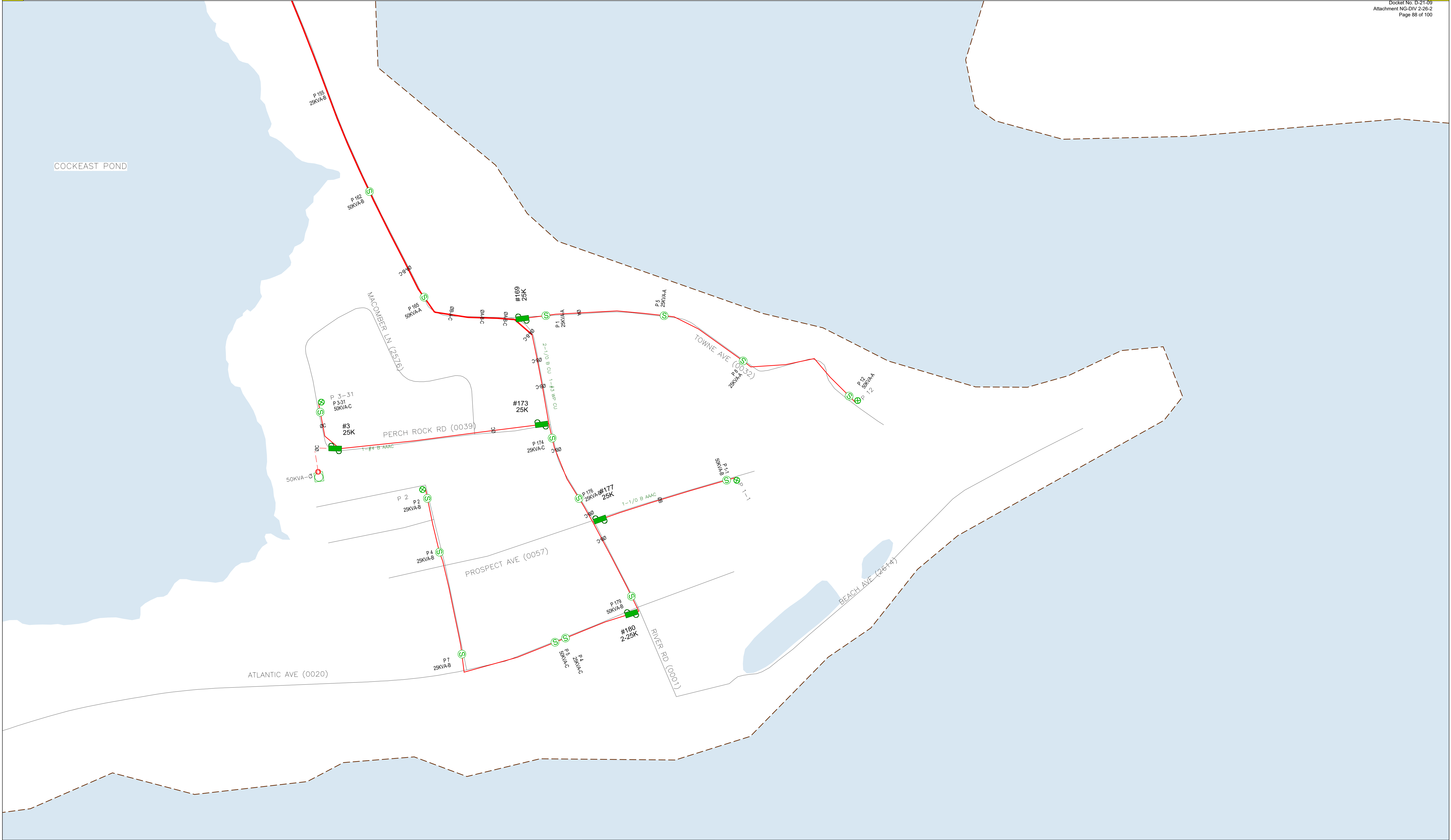




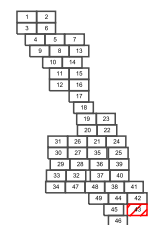
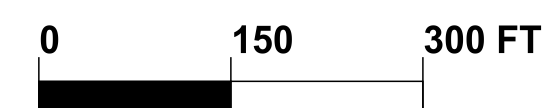




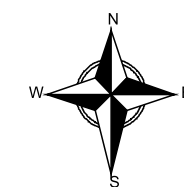




OP District: COASTAL  
GIS Alternative: DM Top  
Date Printed: 04/30/2021

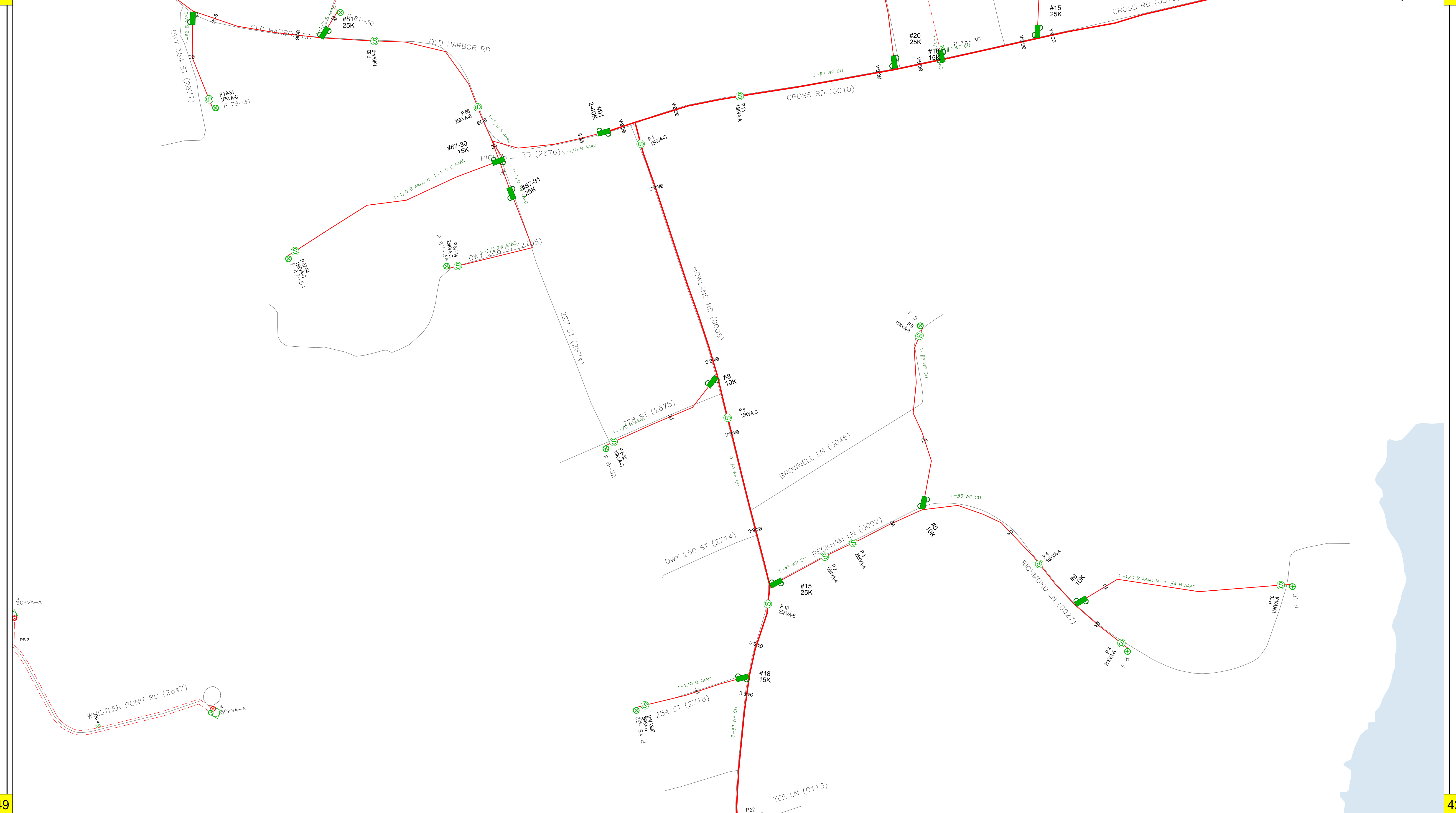


Select a bitmap



12.47KV

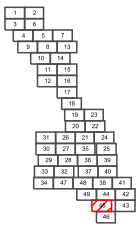
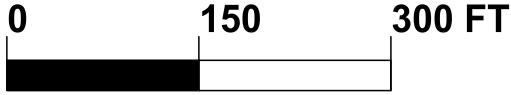
TIVERTON 33F4  
Sheet 43 of 49  
Feeder Detail Map



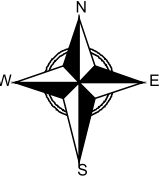




OP District: COASTAL  
GIS Alternative: DM Top  
Date Printed: 04/30/2021

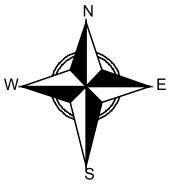
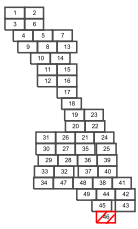
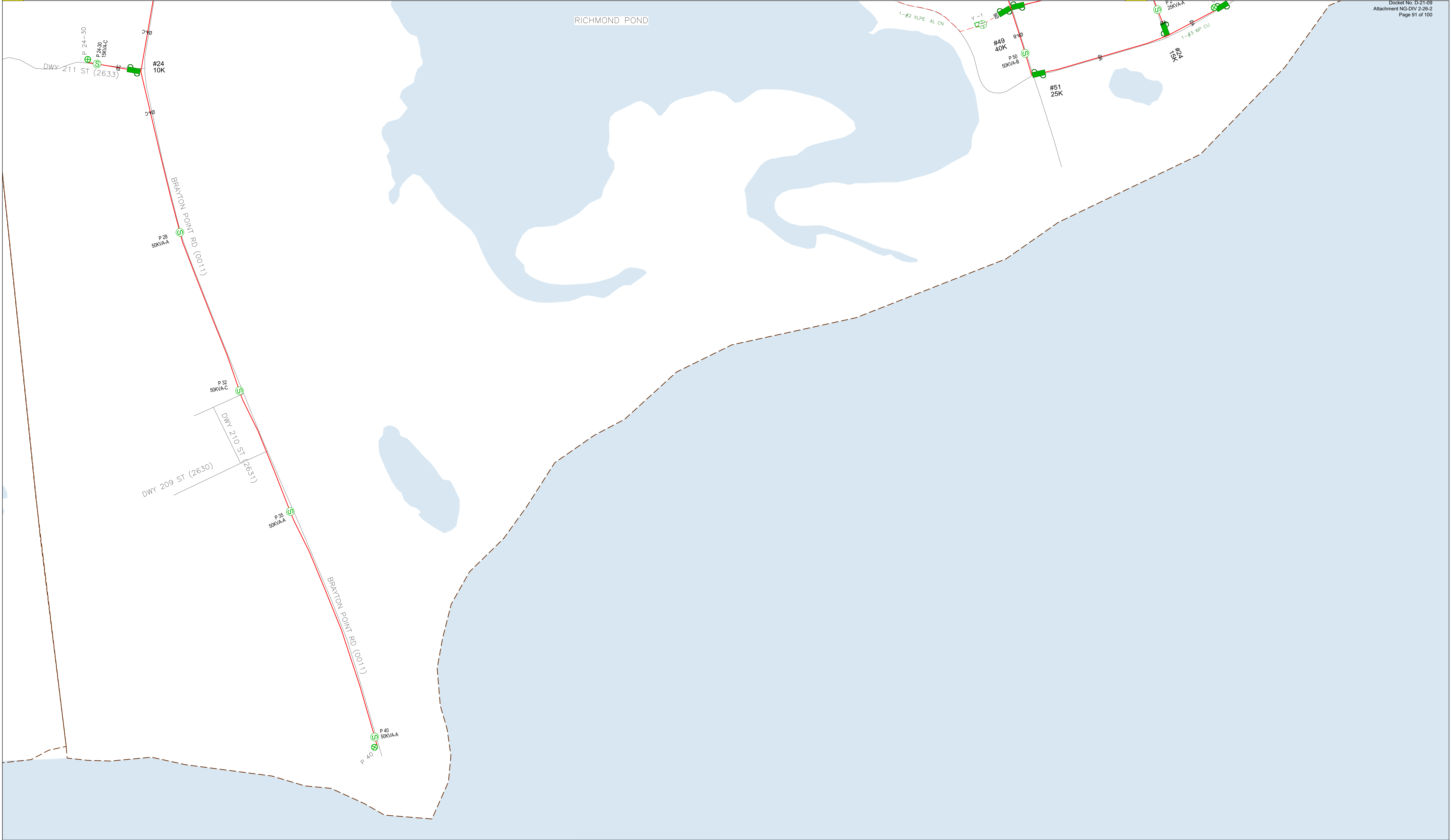


**nationalgrid**

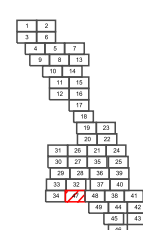


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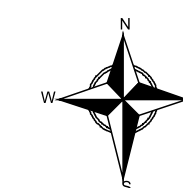
**TIVERTON 33F4**  
Sheet 45 of 49  
Feeder Detail Map



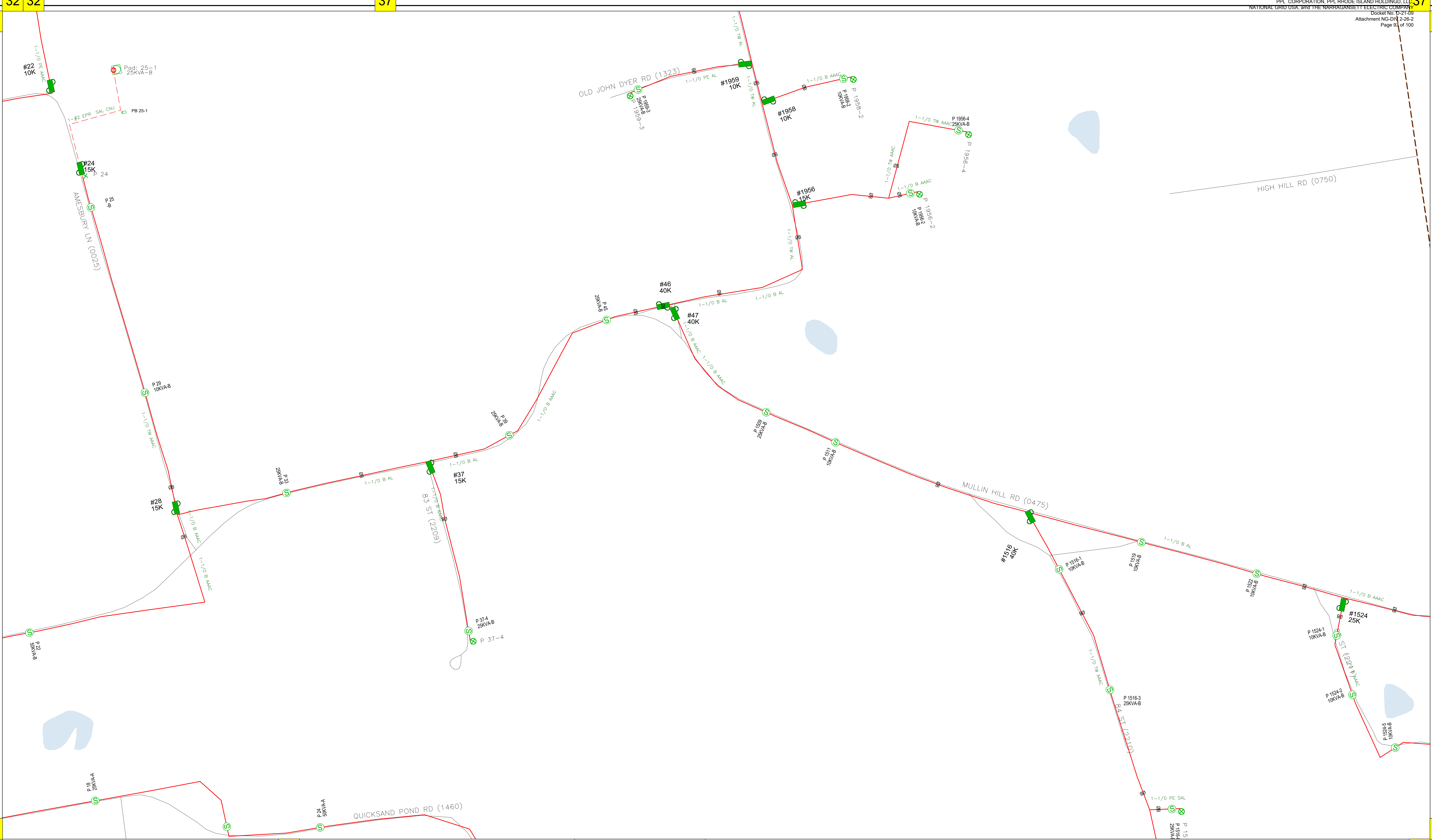




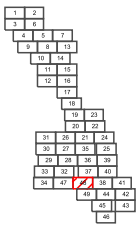
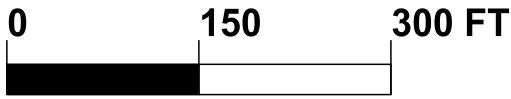
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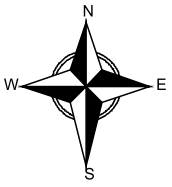
TIVERTON 33F4  
Sheet 47 of 49  
Feeder Detail Map



OP District: COASTAL  
GIS Alternative: DM Top  
Date Printed: 04/30/2021



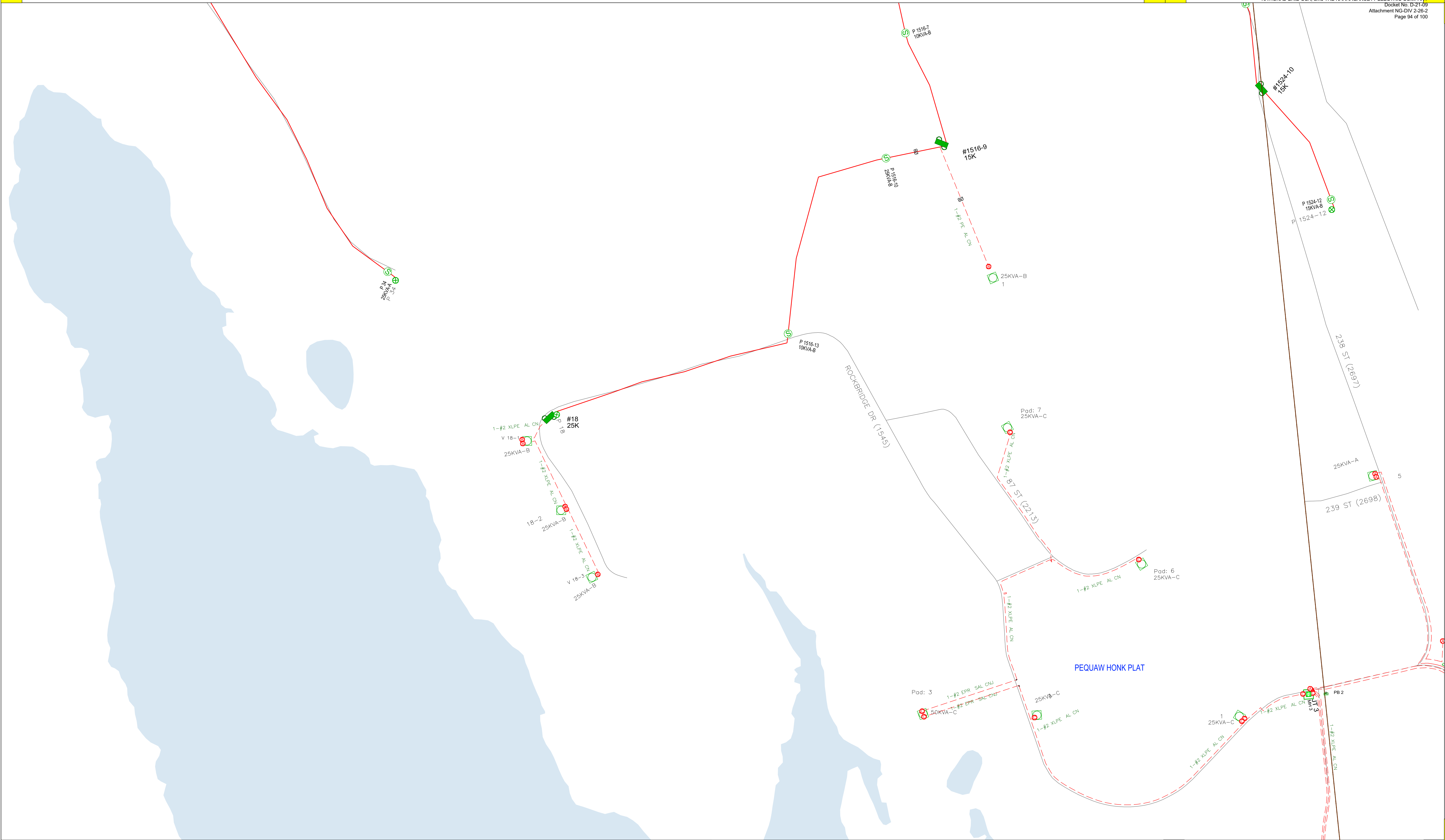
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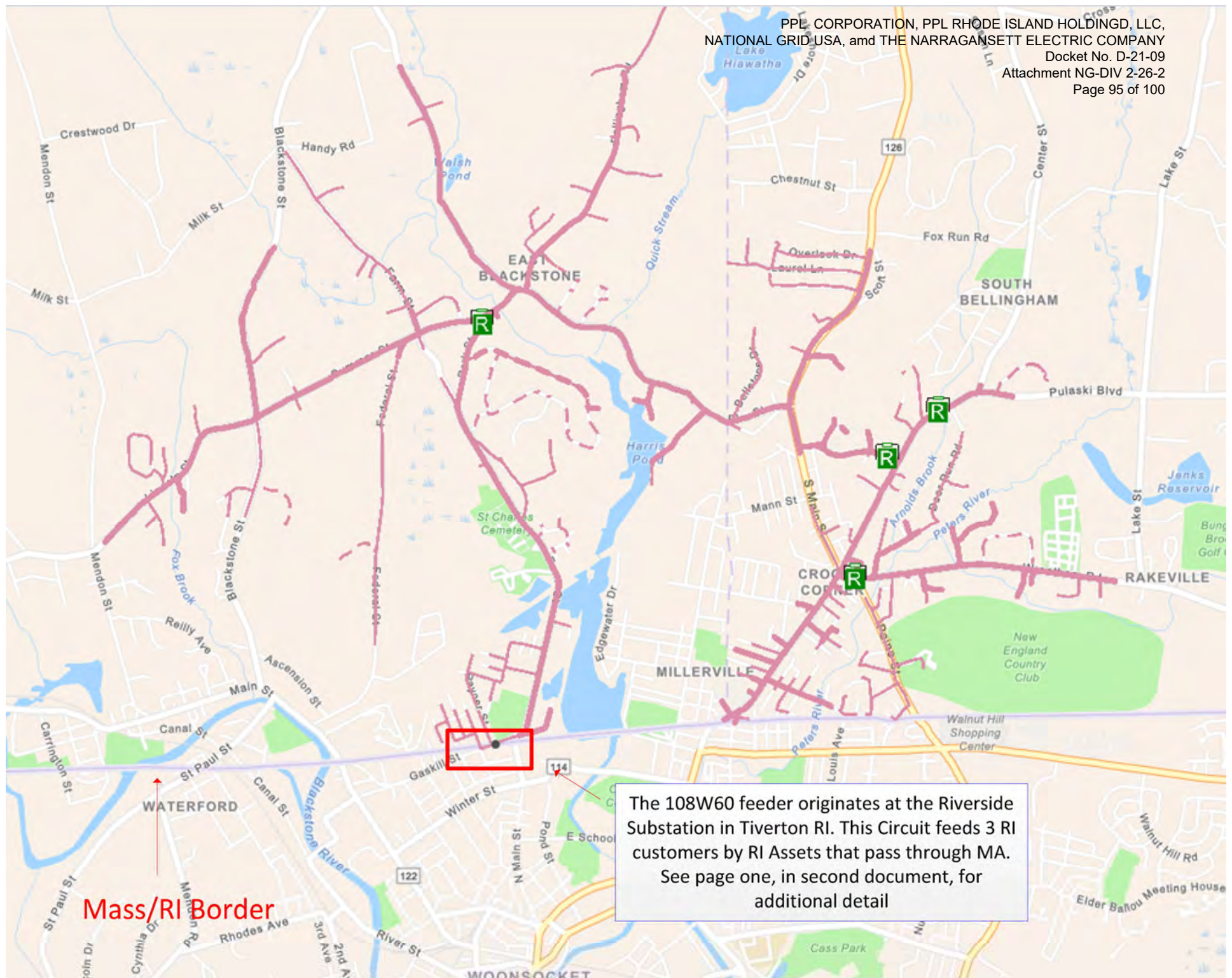


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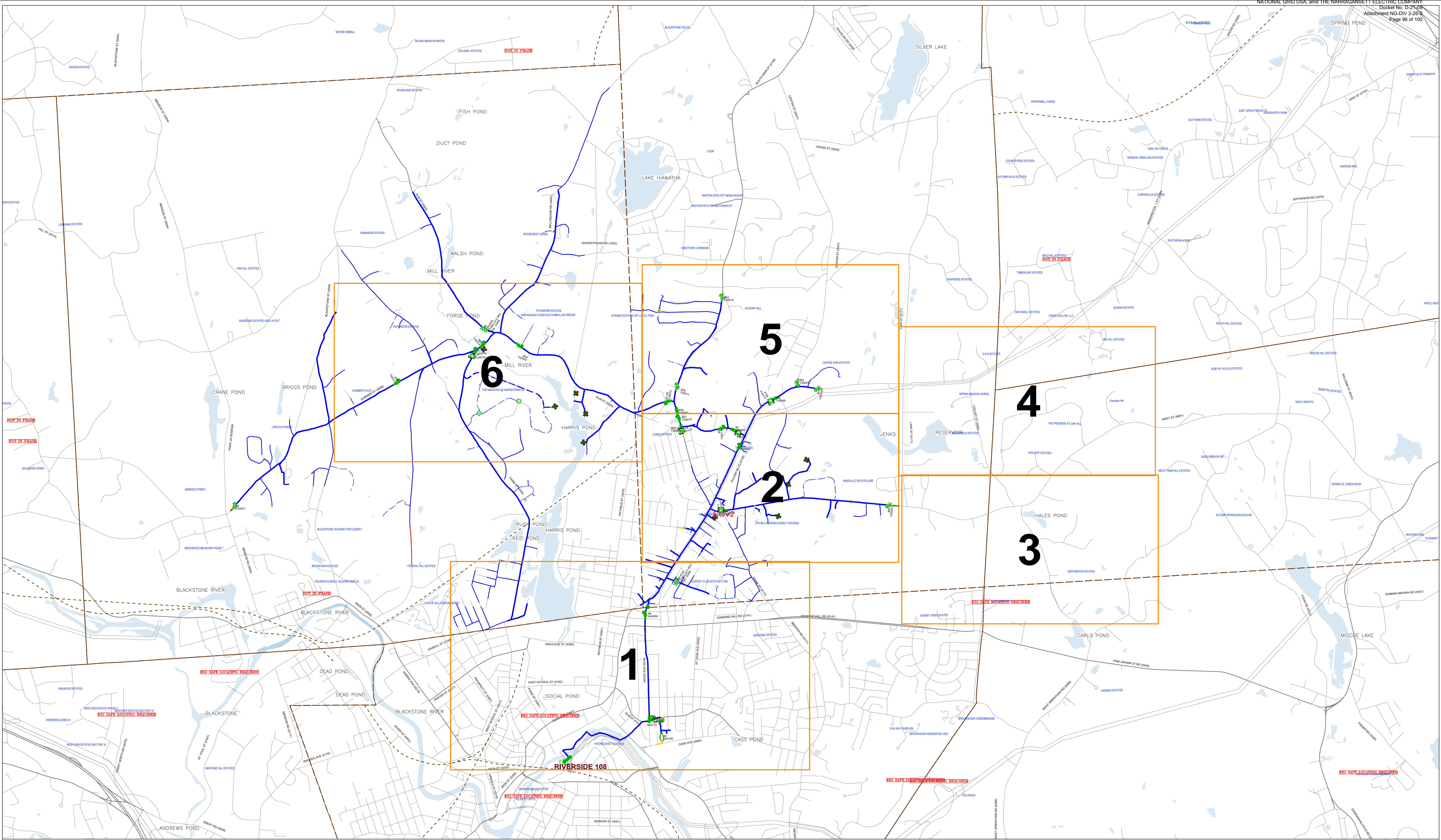
**TIVERTON 33F4**  
Sheet 48 of 49  
Feeder Detail Map



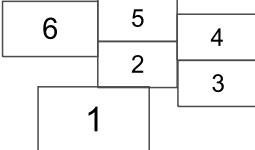
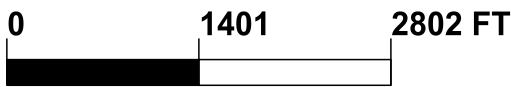








OP District: SOUTHEAST  
GIS Alternative: DM Top  
Date Printed: 06/30/2020



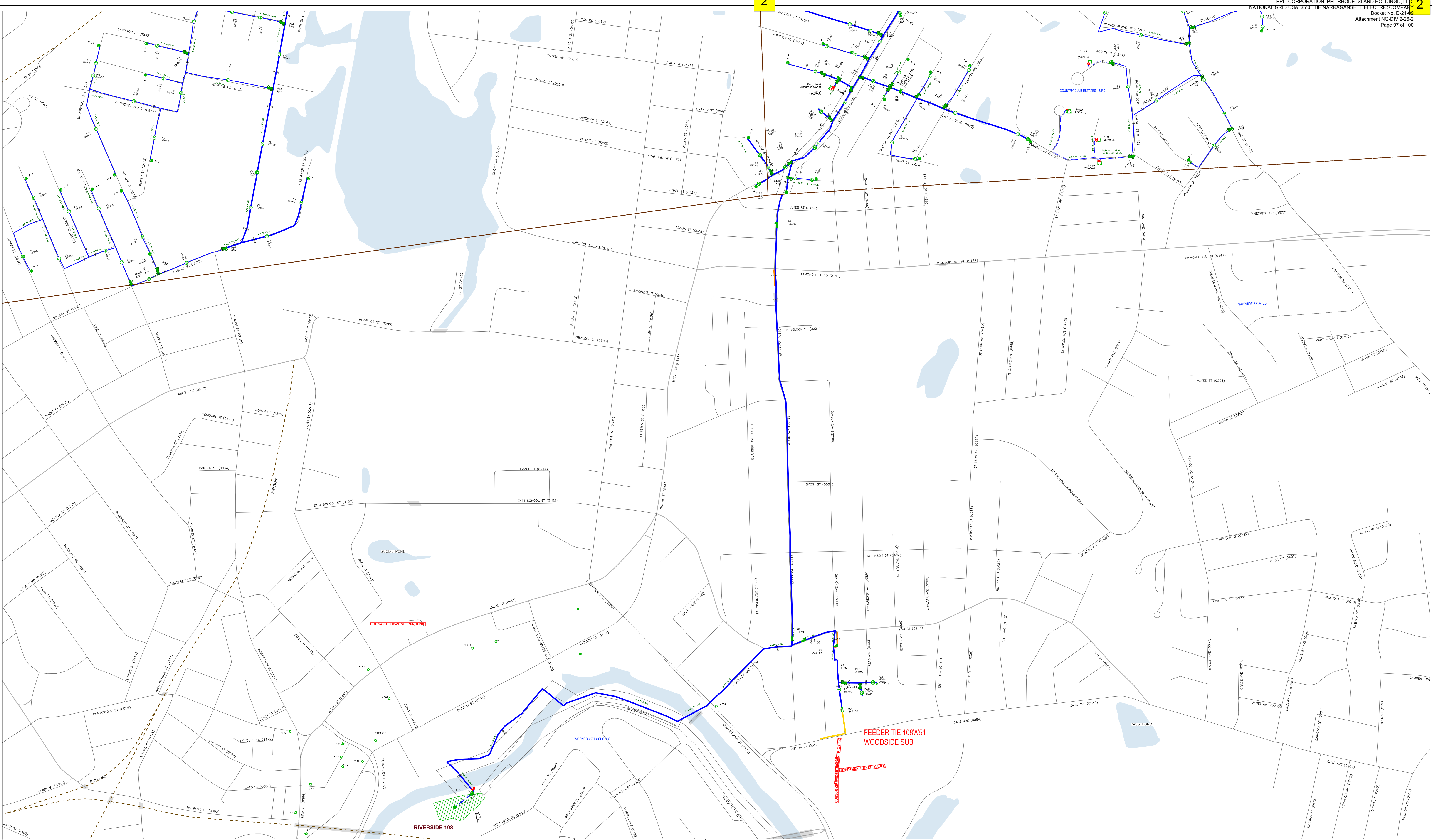
**nationalgrid**



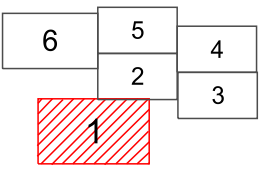
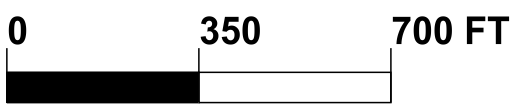
DUMMY-108W60 108W60  
13.8KV

Index Map



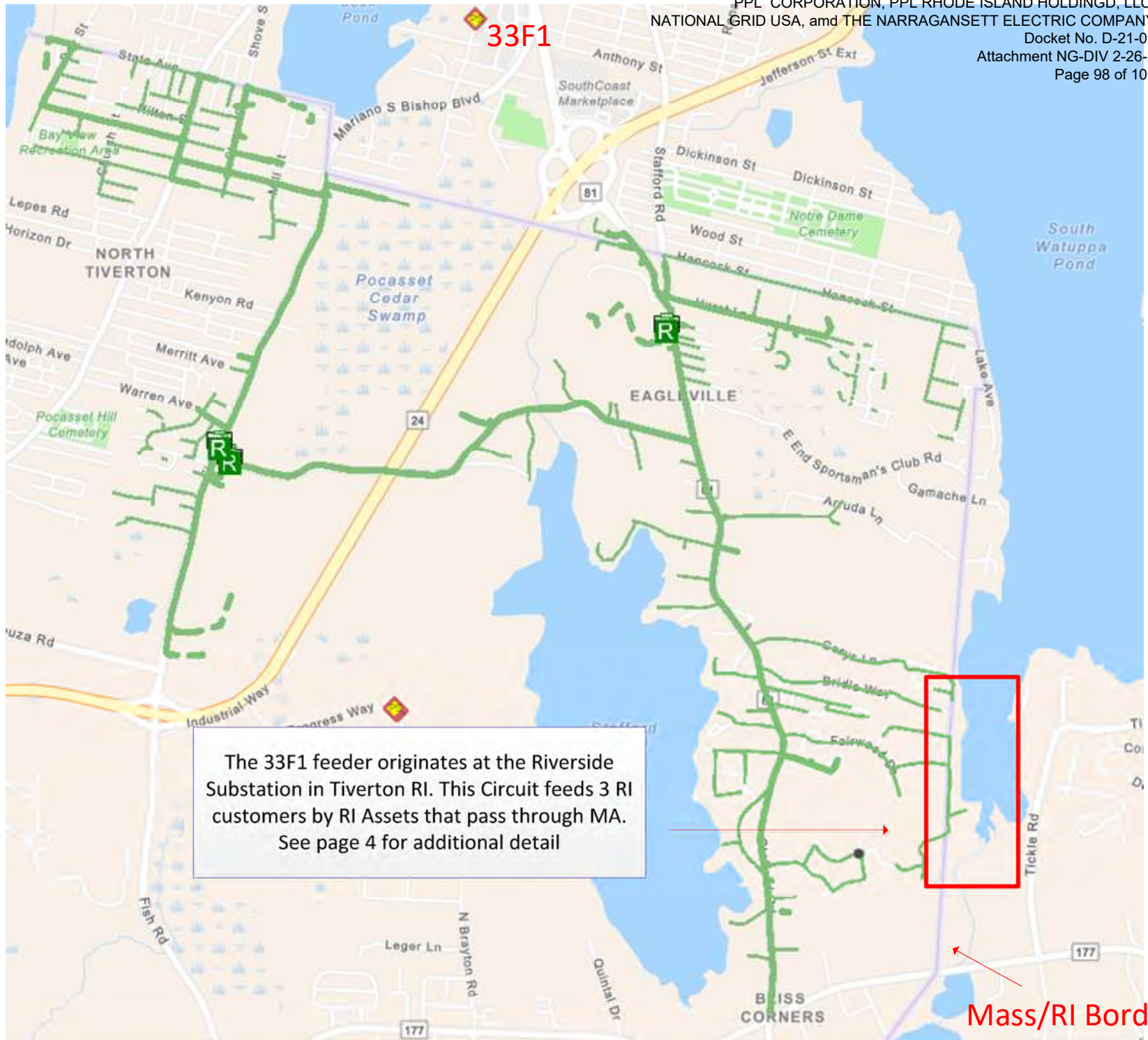


OP District: SOUTHEAST  
GIS Alternative: DM Top  
Date Printed: 06/30/2020

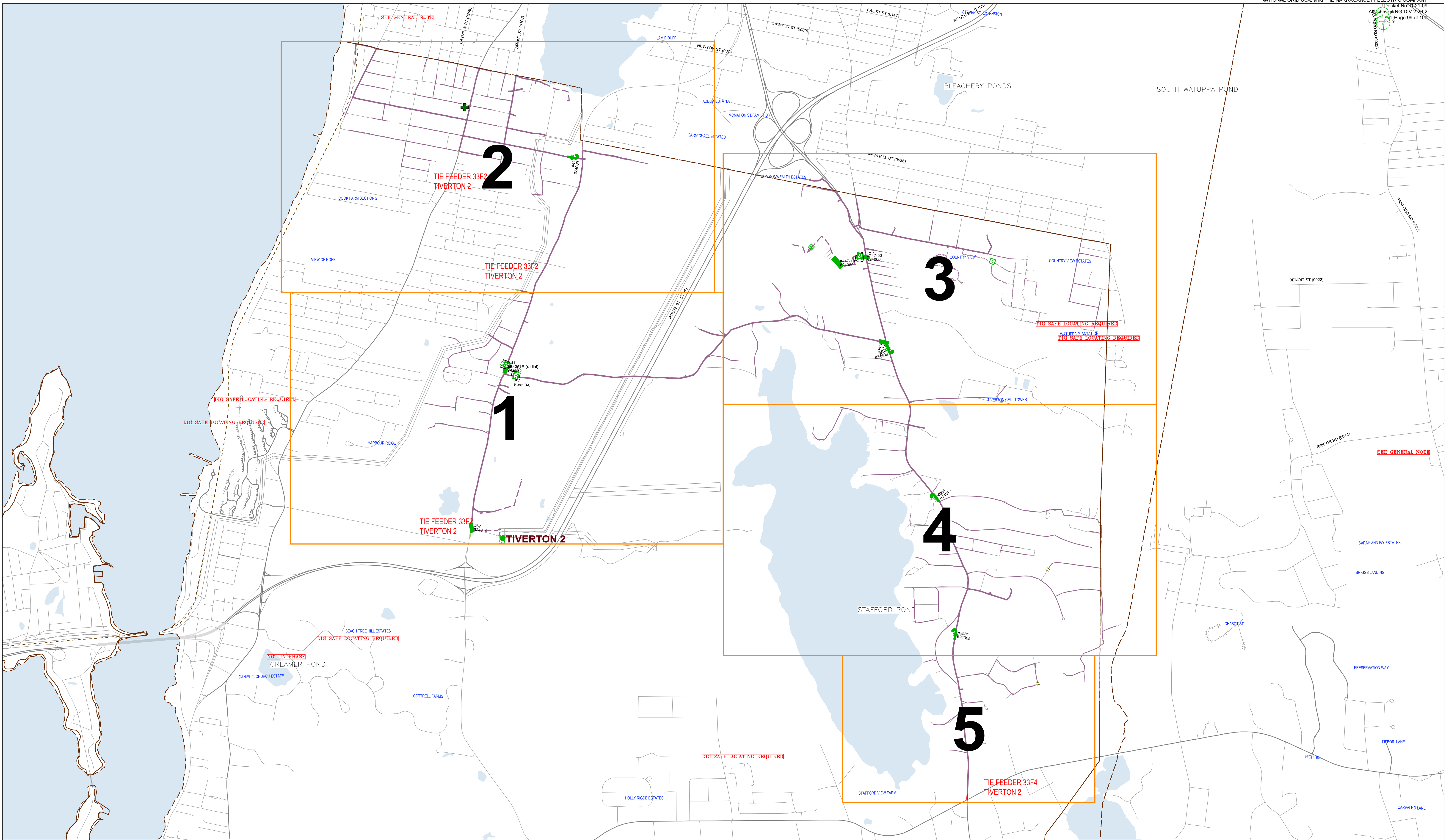


DUMMY-108W60 108W60  
13.8KV  
Sheet 1 of 6  
Feeder Detail Map







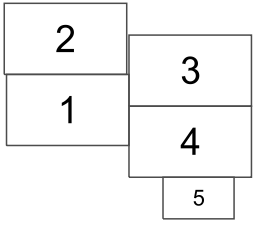


OP District: COASTAL

GIS Alternative: DM Top

Date Printed: 06/29/2019

0 999 1998 FT



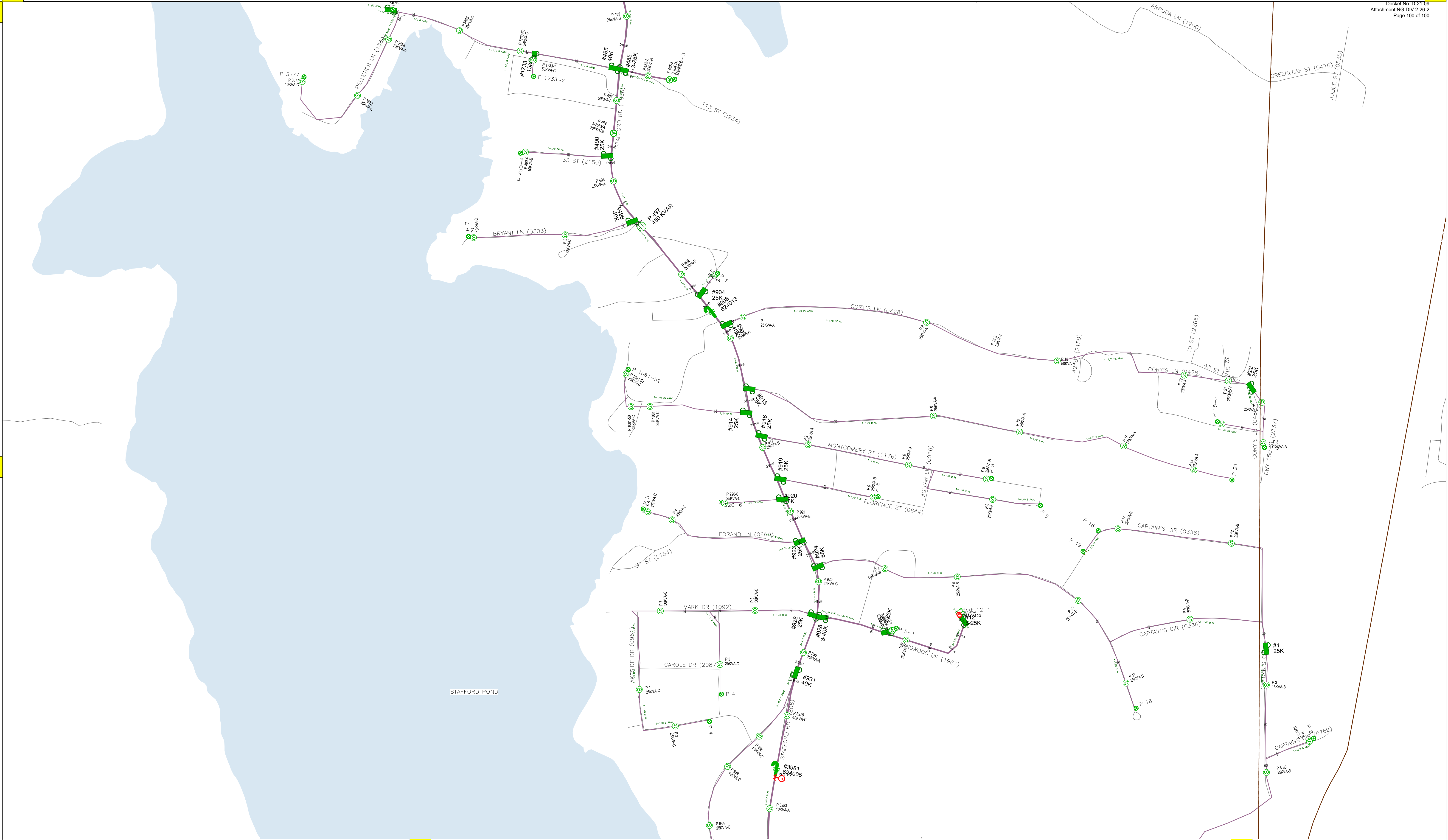
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TIVERTON 33F1

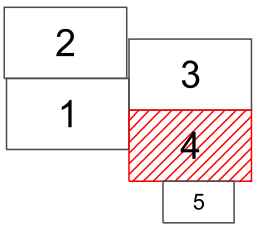
Index Map  
12.47KV



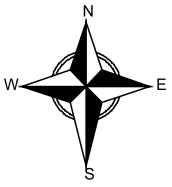


OP District: COASTAL  
GIS Alternative: DM Top  
Date Printed: 06/29/2019

0 300 600 FT



nationalgrid



12.47KV

TIVERTON 33F1  
Sheet 4 of 5  
Feeder Detail Map