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Rhode Island Department of Environmental Management

**CENTREDALE MANOR RESTORATION PROJECT
IMPLEMENTATION OF INTERIM REMEDIAL ACTION
NORTH PROVIDENCE, RHODE ISLAND**

**CONSTRUCTION COMPLETION
CERTIFICATION REPORT**

Submitted To:
Rhode Island Department of Environmental Management
Office of Waste Management
Attention: Mr. Louis Maccarone II
235 Promenade Street
Providence, Rhode Island 02908

Submitted By:
The Louis Berger Group, Inc.
295 Promenade Street
Providence, Rhode Island 02908

March 2014



SDMS Doc ID 554600

**Centredale Manor Restoration Project
Implementation of Interim Remedial Action**

North Providence, Rhode Island

CERCLIS ID No. RID981203755

Construction Completion Certification Report

CONTENTS

1	Introduction	1
1.1	Project Background	1
1.2	Project Team Organization	2
1.3	Site Description	3
1.4	Basis for Action	3
2	Proposed Remedial Action Measures	3
2.1	Meetings with Property Owners	3
2.2	Proposed Interim Remedial Measures	4
2.2.1	Fence	4
2.2.2	Cover	4
2.2.3	Signage	5
2.2.4	Other Measures	5
3	Construction	5
3.1.1	Fence	6
3.1.2	Cover	6
3.1.3	Signage	6
3.1.4	Site Restoration and Maintenance	6
4	Deviations from Design and Proposed Work Plan	6
4.1	Fence Location	7
4.2	Fence Construction	7
4.3	Gates	7
4.4	Cover	8
4.5	Signage	8

5	Summary	8
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LIST OF FIGURES

Figure 1: Warning Sign	5
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LIST OF TABLES

Table 1: Removal Actions Taken at the Site.....	2
Table 2: Deviations from Proposed Work Plan	7

APPENDICES

Appendix A - Site Memoranda

Appendix B - Work Plan

Appendix C - Design Drawings

Appendix D - Weekly Field Reports

Appendix E - As-Built Plans

Appendix F - Sign Locations

1 Introduction

1.1 Project Background

The Site encompasses parts of two Rhode Island towns, North Providence and Johnston, and free-flowing reaches and impoundments of the Woonasquatucket River. The main part of the Site, which is referred to as the Source Area, consists of approximately nine acres on the eastern shore of the Woonasquatucket River, just south of Route 44 in a densely-populated area of downtown North Providence, Rhode Island. The entire Site extends down the Woonasquatucket River with the River centerline being the North Providence/Johnston municipal boundary. The Site consists of all contaminated areas within the River, its impoundments and floodplain, as well as any other location to which contamination from that area has come to be located, or from which that contamination came. A chemical manufacturer, Metro-Atlantic, Inc. (initially known as Atlantic Chemical Company), and the New England Container Company, Inc., an incinerator-based drum reconditioning facility, operated at the Source Area for several decades in the mid-20th century. The Brook Village apartments and the Centredale Manor apartments, two subsidized senior citizen high-rises housing about 335 residents, currently occupy the Source Area.

Analysis of fish samples collected from the Woonasquatucket River in 1996 resulted in the identification of the presence of dioxin. Follow-up studies identified elevated levels of dioxins, furans, PCBs, pesticides, volatile organic compounds (VOCs), semi-volatile organic compounds (SVOC), and metals in soil, groundwater, sediment, surface water, and biota. Based on the various studies conducted by EPA, the site was placed on the National Priorities List (NPL) in 2000. During ongoing site investigations between 1999 and 2004, the U.S. Environmental Protection Agency (EPA) performed several removal actions to reduce threats to residents and to minimize downstream transport of contaminated sediment and soil.

EPA issued a Record of Decision (ROD) for the Centredale Site on September 28, 2012. The Action Areas in the ROD include floodplain soil on residential-use properties along the Allendale and Lyman Mill Ponds in North Providence, Rhode Island, where elevated levels of dioxin and other contaminants have been found. These areas are subject to flooding from the Woonasquatucket River and thus there is a potential for re-contamination from deposits of contaminated sediment found in the Allendale and Lyman Mill ponds on these properties lying in the floodplain of River. The ROD remedy calls for additional contaminants delineation using incremental composite sampling and excavation of soil contaminated above the cleanup levels. Since planning for the actual construction of both sediment and soil remedies is expected to take several years, the ROD also calls for implementation of precautionary measures such as fencing or spreading a cover (e.g., mulch or clean soil) on the residential-use properties to prevent residents' exposure in the interim. Such measures will be considered on an individual property basis, to be coordinated with residents and/or property owners.

Table 1: Removal Actions Taken at the Site

Dates	Removal Action	Legal Authority	Who Undertook	Problems Addressed	Related Documents
1999–2000	TCRA: Fence in portions of Source Area and along Allendale Pond; two interim soil caps, rip-rap, and a flood control berm in the Source Area	EPA, Region I	Combination of Fund-lead and PRP-lead	Restrict access to river and surface soil; reduce/erosion and runoff	EPA Action Memorandum, May 4, 1999, as amended September 13, 1999, June 1, 2000, and June 1, 2005; EPA Notice of Completion September 11, 2000
2000–2003	NTCRA: Reconstruction of the Allendale Dam and restoration of Allendale Pond; excavation of residential-use soils in eleven action areas along Allendale and Lyman Mill Ponds	EPA, Region I	PRP-lead	Minimize further downstream migration of contamination; minimize exposure to site-related contaminants	EPA Action Memorandum January 18, 2001; EPA Notice of Completion May 13, 2005
2003–2004	TCRA: An interim cap in reconstructed former tailrace	EPA, Region I	PRP-lead	Minimize erosion and downstream transport of contaminants	EPA Action Memorandum Amendment, September 30, 2003; EPA Notice of Completion June 27, 2006
2009–2010	TCRA: Excavation of soils and groundwater at the Brook Village parking lot and construction of a RCRA C cap	EPA, Region I	PRP-lead	Addressed groundwater/minimize discharge of contaminants to the River	EPA Action Memorandum, July 17, 2009; EPA Notice of Completion July 27, 2010

Source: ROD

Notes:

TCRA – Time Critical Removal Action

NTCRA – Non-Time Critical Removal Action

PRP – Potential Responsible Party

RCRA – Resource Conservation and Recovery Act

1.2 Project Team Organization

- USEPA Region 1 (Project Manager – Anna Krasko; Community Involvement Coordinator – Emily Zimmerman)
- Rhode Island Department of Environmental Management (Project Manager – Lou Maccarone)
- Louis Berger Group, Inc. (Project Manager – Clayton Carlisle; construction oversight – Samantha Hogan)
- Construction subcontractors
 - Fence and ground cover installation – United Fence Company, Inc.
 - Sign fabrication and installation – AA Thrifty Sign & Awning
- As-Build Survey – Waterman Engineering Company, Inc.

1.3 Site Description

Properties targeted for installation of interim remedial action measures included all non-commercial and non-industrial properties located within the Woonasquatucket River 100 Year FEMA floodplain on the east bank of the river, from the Source Area south to Water Street. A total of 51 such properties met these criteria. An additional 10 public rights-of-way are also located within the Project Area.

1.4 Basis for Action

The interim remedial action was implemented specifically due to the presence of elevated levels of dioxin and other contaminants. As discussed earlier, dioxins were discovered at the project site in 1996. The initial removal actions were performed to result in dioxin concentrations in the soil of less than 1,000 parts per trillion (ppt). However, based on a reassessment of dioxin performed by the EPA in 2012 (*EPA's Reanalysis of Key Issues Related to Dioxin Toxicity and Response to NAS Comments, Volume 1*), the residential soil cleanup level that is protective of human health was revised to 50 ppt. As dioxin concentrations above 50 ppt are present within project area soils, additional remediation for the site is required.

2 Proposed Remedial Action Measures

Proposed interim Remedial Action Measures consisted of installation of fence and ground cover to prevent access to potentially contaminated soil and sediment; along with the installation of signage warning of the potential hazards of the site. This work is spearheaded by the Rhode Island Department of Environmental Management (DEM) Office of Waste Management (OWM), in association with the EPA. The Louis Berger Group, Inc. (LBG) was selected by DEM to provide technical assistance, including bid documents and construction oversight, for the project.

2.1 Meetings with Property Owners

In January 2013, team members began meeting with owners of property targeted for interim remedial action measures. Meetings generally consisted of team members, including representatives from DEM, EPA, and LBG, visiting the property in question. At each meeting, team members provided the property owner with an overview of the proposed interim remedial action measures. The project team met with the owners of 34 of the 50 properties meeting the selection criteria. Property owners who agreed to the proposed interim measures signed access agreements allowing for installation of the proposed measures; a total of 35 property owners signed an access agreement. Eleven of the owners signed access agreements that had been mailed without meeting with team members. Of the 35 properties with signed access agreements, six did not require any interim remedial measures. For the other 29 properties, a general plan for installation of fencing and/or cover was selected after conducting a walk-through of each property. In some cases, follow-up meetings were also conducted. The majority of meetings were completed by February 2013, with a few taking place at later dates.

In addition, permission was obtained from the Town to install interim remedial measures within the ten public rights-of-way (ROWS) locations within the project area. Installation of measures was proposed for nine of these ten Rows.

Once signed access agreements were received by DEM, a representative from LBG went to each property to stake out locations for fences, gates, and ground cover, and collect GPS coordinates for use in creating draft GIS maps of the interim measures. In some cases, these initial locations were revised based on additional input from property owners. A site memorandum was developed for each property, indicating proposed interim measures and any relevant site constraints (see Appendix A). In early May 2013, the project Work Plan (Appendix B) and Design Drawings (Appendix C), based on the proposed interim remedial measures, were completed.

2.2 Proposed Interim Remedial Measures

Based on meetings with property owners and site walkthroughs, a variety of interim remedial measures were proposed for the 35 properties for which owners signed access agreements and for 10 ROWs located within the project area. A total of 2,534 linear feet (LF) of chain link fence, 280 LF of wood fence, 20 new gates, 28,480 square feet (SF) of ground cover consisting of loam and seed, and 10 signs were initially proposed for installation in the Work Plan. The Design Drawings in Appendix C show the proposed interim remedial measures.

2.2.1 Fence

The EPA and RIDEM preferred remedial action measure was installation of a 5 ft high chain link fence preventing access to the potentially contaminated areas within the Woonasquatucket floodplain. This interim measure was selected for 25 of the 35 properties with signed access agreements. In addition, due to owner's requests, 4 ft high chain-link fence would be installed on one property and a 4 ft high wooden fence on two other properties. In some cases, a fence could not be installed in the preferred location as it would completely or drastically reduce the property owner's ability to make use of their property. In these cases, the proposed location of the fence was within, rather than at the edge of, the floodplain. For 20 properties, the project team also agreed to install gates in the fence to allow the property owners access for property maintenance or boat access to the river.

In addition to meetings with property owners, permission was secured from the Town of North Providence to install fence and gates within the ten public ROWs located within the project area.

2.2.2 Cover

There were 12 properties and two ROWs where fencing could not be installed along the floodplain without significantly reducing property owners' ability to use their yards or impacting the public ROW. In these cases, the portion of the floodplain outside of the fence (if proposed) would be covered with loam and seed to limit contact with potentially contaminated soil. A total of 28,480 square feet (SF) of property was proposed to be loamed and seeded as an interim remedial measure. In addition, installation of 250 SF of geotextile fabric and crushed stone was proposed for one property to be used as a parking space.

2.2.3 Signage

Ten signs warning the public not to swim, wade or bathe; eat the fish; or dump were proposed to be posted throughout the project area. Five were to be posted on existing sign posts and five on new sign posts. An additional ten signs were to be kept in storage for future use. Figure 1 below is the sign graphic used for the project.

Figure 1: Warning Sign



2.2.4 Other Measures

The project team agreed to perform additional actions at certain properties in order to secure signed access agreements. These included:

- Removal of a large fallen tree from the riverbank at two properties (41 Stevens St. and 28 Oak Street);
- Relocating an existing fence and installing a new gate at one property (306 Woonasquatucket Avenue); and
- Repairing an existing damaged chain link fence at two properties and one ROW (43 George Street, George Street ROW, and 33 Maple Avenue).

3 Construction

The project was bid in May 2013 and bids were received on June 19, 2013. A contract was awarded to the low bidder, United Fence. Construction of the fence began on August 19, 2013 and continued through October 15, 2013. Installation of ground cover took place between September 30, 2013 and October 15, 2013. Signage was installed on December 4 and 5, 2013, and one of the signs was relocated in January 2014, at the request of an adjacent property owner. Field modifications to the Work Plan during construction resulted in the installation of approximately 3,130 LF of fence, 35,000 square feet (SF) of loam & seed, and 5 cubic yards (CY) of crushed stone and geotextile fabric, along with 20 gates and 18 signs. Weekly Field Reports summarizing construction activities are provided in Appendix D. The

project was inspected on November 4, 2013 and was deemed substantially complete. A brief punchlist was issued on that date with all items addressed by the contractor shortly thereafter and accepted by DEM.

3.1.1 Fence

Fence installation began on August 28, 2013, starting at the northern part of the Project Area and generally proceeding southerly toward the southern site boundary at Water Street. Generally, fence was installed by first removing any debris and/or vegetation required for access, installing fence posts, either driven or concrete-set, and then installing fence fabric the next day. Gates were then fabricated in United Fence's shop and installed at a later date.

3.1.2 Cover

Loam and seed installation began on September 10, 2013, and was completed on October 15, 2013. A total of approximately 35,000 SF of loam and seed was installed on 15 properties.

Approximately 5 CY of geotextile fabric and crushed stone was installed on a portion of a property used as a parking space where grass cover would be difficult to establish (41 Steere Avenue).

3.1.3 Signage

Signs were installed by subcontractor AA Thrifty Signs on December 4 and 5, 2013. Five signs were mounted on fences, twelve on metal posts, and one on a utility pole.

3.1.4 Site Restoration and Maintenance

After all work on an individual property was completed, it was restored to its original condition, excluding installation of interim measures and regrowth of cleared vegetation. Sites which had been loamed and seeded were inspected approximately two weeks after ground cover was installed and growth appeared to be good.

Post-construction maintenance activities for the project are limited to annual inspection of the installed fence and gates to verify that there are no problems with the installation, with any necessary repairs made as needed. Potential issues might include fence or gate damage from fallen tree branches, vehicles or vandalism. Additionally, an inspection of all seeded sections should be held in the late spring 2014 to verify that grass growth is acceptable. The contractor should be contacted to perform any re-seeding as necessary.

4 Deviations from Design and Proposed Work Plan

During project construction, certain deviations from the plans were made, generally based on additional requests from property owners or changes to the site between the initial walkthroughs held in winter to actual construction taking place in the fall. These changes generally included fence relocation, height of fence, location of cover, additional removal of woody debris, and changes to the proposed signage requested by RIDEM. Specific deviations included:

Table 2: Deviations from Proposed Work Plan

Item	Proposed Work Plan	Actual Constructed	Unit
New chain link fence	2,534	2,800	LF
New chain link pedestrian gate	17	16	each
New chain link double gate	3	4	each
New vinyl coated fence	50	50	LF
New vinyl coated pedestrian gate	2	1	each
New wooden fence	280	300	LF
New wooden gate	2	3	each
Concrete footings	100	100	each
Removal of existing fence	1,419	1800	LF
Remove debris	120	270	CY
Crushed stone & geotextile fabric	5	5	CY
Loam & Seed	28,480	~35,000	SF

4.1 Fence Location

Field modifications to the proposed fence locations were made at several properties due to input from property owners or due to site constraints. In addition, due to limitations of the accuracy of the GPS unit used to collect data on the staked out fence locations, surveyed locations could be up to three feet off from the fence locations shown in the work plans. As-Built Fence Locations are shown in Appendix E. Additional fence and one gate were added to the project during construction and were installed at the Mill at Allendale condominium property at 494 Woonasquatucket Avenue.

4.2 Fence Construction

Originally, chain link fences were to be constructed without a top rail. However, during construction it was decided to add a top rail to improve fence stability.

- At one property 4 ft high chain link fence, rather than the proposed 5 ft high fence, was installed to match the height of adjacent existing fence (10 Falco Street).
- A fence was not installed at one property as the owner decided against it, indicating that he would install a wood fence at a later date (12 Falco Street).

4.3 Gates

A few changes were made to the number of gates, primarily based on input from property owners. Specifically:

- A gate was not installed at one property as a nearby existing gate provided equivalent ability to pass through the fence (306 Woonasquatucket Avenue).
- A gate was not installed in the Stephens Street ROW, as was initially proposed.
- A gate was installed on the property (41 Stephens Street) adjacent to the Stephens Street ROW at the request of the property owner.
- A gate was installed in the Water Street ROW at the adjacent property owner's request, which was not initially proposed.
- A double gate was not installed at one property as the owner decided against having a fence installed (12 Falco Street).
- The wood gate at 518 Woonasquatucket Avenue as switched from a single to a double gate at the request of the property owner.

4.4 Cover

A total of approximately 35,000 SF of loam and seed was installed, the same quantity as was originally proposed in the bid. In addition to the originally proposed 13 properties and 2 ROWs, loam and seed was installed on one additional property (306 Woonasquatucket Avenue)

4.5 Signage

Originally, 10 signs were proposed for installation. Based on RIDEMs input, additional signs were installed, resulting in a total of 18 signs being installed in the project area, primarily within public ROWs. Five signs were fence mounted, one was utility pole mounted, and twelve were post mounted. The Figure in Appendix F shows location of the installed signs.

- An additional five signs were purchased and installed for a total of 18 signs installed and seven signs stored by RIDEM for future use.
- An additional seven sign posts were purchased and installed, for a total of 12 sign posts.
- Anti-graffiti film (Arlon Series 3320 1-mil Tedlar polyvinylfluoride film) was purchased and installed on all signs.

5 Summary

Installation of interim remedial measures at the Centredale Manor Superfund Site took place between August 19 and December 5, 2013. Fence, gates, ground cover, and signs were installed throughout the project area on properties whose owners signed access agreements and within public ROWs. These interim measures will remain in place until the final remedy is constructed at some point in the future.

Appendix A

Site Memoranda

ATTACHMENT 1

**CENTREDALE MANOR RESTORATION PROJECT
IMPLEMENTATION OF INTERIM REMEDIAL ACTION
ALLANDALE POND AND LYMAN MILL POND
NORTH PROVIDENCE, RHODE ISLAND**

**MEMORANDA OF SITE MEETINGS
MAY 2013**

Owner Name: Anna Picozzi

Address: 2 Mill Street

Plat/Lot: 14-268

Access Agreement Status: Signed

Samantha Hogan met with Anna Picozzi on March 27, 2013. There is an existing wooden stockade fence surrounding her backyard. The fence is good condition. Ms. Picozzi has no knowledge of flooding occurring from overtopping of the tailrace.

Based on this conversation and a site visit, no work is proposed for this property.



Owner Name: Sharon Serio

Address: 41 Steere Avenue

Plat/Lot: 14-271

Access Agreement Status: Signed

Lou Maccarone, Emily Zimmerman, and Samantha Hogan met with Sharon Serio on January 22, 2013. Ms. Serio has an existing EPA chain link fence in good repair along the back of her property. Ms. Serio stated that her backyard floods regularly and that her shed has river sediment in it due to the flooding.

Based on this meeting and subsequent site visit, sediment will be removed from inside the approximately 310 SF shed, approximately 2,450 square feet of new soil and grass seed will be placed, and approximately 250 square feet of crushed stone will be installed in the portion of the yard used as a driveway. Prior to installing new cover, a boat stored on the property would have to be relocated, and a significant amount of debris, primarily consisting of construction and landscape materials, would need to be moved or disposed of.



Owner Name: Town of North Providence

Address: Steere Avenue

Plat/Lot: ROW

Access Agreement Status: Signed

The approximately 40 LF existing chain-link fence is in good condition. Based on mapping and discussions with adjacent property owners, flooding of the ROW occurs.

Approximately 885 SF of loam and seed will be placed between the existing fence and the mapped floodplain. New signage will also be installed.



Owner Name: Charles Nabor

Address: 36 Steere Avenue

Plat/Lot: 14-272

Access Agreement Status: Signed

Lou Maccarone, Emily Zimmerman, and Samantha Hogan met with Charles Nabor on January 22, 2013. Mr. Nabor has an existing chain link fence in his back yard. The fence is in good condition. Mr. Nabor's yard occasionally floods.

Based on this meeting and a subsequent site visit, an approximately 2,500 SF portion of the backyard will be loamed and seeded. The portion of the backyard proposed for cover consists mostly of coniferous trees, and some vegetation clearing will likely be required in order to install cover.



Owner Name: Peter Pimentel

Address: 45 Grover Street

Plat/Lot: 14-302

Access Agreement Status: Signed

Lou Maccarone, Kelsey O'Neil, and Samantha Hogan met with Peter Pimentel on January 10, 2013. Mr. Pimentel has an existing EPA fence which runs along the tailrace cap; the fence is in good condition. Floodwaters occasionally rise through the fence, flooding his backyard up to the garage. Mr. Pimental has children and is concerned with their potential exposure to Dioxin. Ms. O'Neil gave him the contact information of someone at the ATSDR to help answer some of his dioxin exposure/health questions that we could not answer. He also mentioned that debris at the bottom of Grover Street results in flooding from stormwater runoff.

Based on this meeting and a subsequent site visit, the existing 85 LF chain link fence will be removed and a new 85 LF section of fence installed approximately ten LF to the east, to the west of a line of trees. The remaining area of the backyard between the relocated fence and the driveway will be covered with soil and grass seed (approximately 1,900 square feet).



Owner Name: Town of North Providence

Address: Grover Street

Plat/Lot: ROW

Access Agreement Status: Signed

According to Peter Pimentel of 45 Grover Street, debris at the western end of Grover Street results in stormwater runoff flooding his property. Based on observation and mapping, it appears that the end of the ROW is subject to flooding.

Based on observation and mapping, the existing 40 LF section of chain link fence will be removed, and a new 40 LF section of fence with a gate will be installed approximately 20 LF east of the existing fence. A 5 LF section will also be installed on the northern property boundary. Coordination with the Town is required to remove debris at the edge of pavement. A new sign will also be installed.



Owner Name: Suzanne and Paul LaPlume

Address: 39 Redfern Street

Plat/Lot: 14-333 and 14-303

Access Agreement Status: Signed

Lou Maccarone, Emily Zimmerman, and Samantha Hogan met with Suzanne and Paul LaPlume on February 13, 2013. There is an existing stockade fence surrounding the property. A portion of the fence along the northern property boundary is damaged, along with an adjacent section of chain link fence.

Based on this meeting and a subsequent site visit, the existing chain link fence along the tailrace will be removed, as well as a damaged section of fence adjacent to Grover Street. Approximately 170 LF of new chain link fence will be installed approximately 15 feet east of the existing fence. A large tree branch will be removed, and a plastic playhouse will need to be relocated prior to work.



Owner Name: Town of North Providence

Address: Redfern Street

Plat/Lot: ROW

Access Agreement Status: Signed

The approximately 40 LF section of chain link fence at the end of Redfern Street is in good condition. Based on floodplain mapping, the existing fence is inland of the floodplain. New signage will be installed on the fence.



Owner Name: Flora Rotella/Marie Annunziata

Address: 42 Redfern Street

Plat/Lot: 14-334

Access Agreement Status: Not Required

Lou Maccarone, Emily Zimmerman, and Samantha Hogan met with Flora Rotella, the former property owner, on January 22, 2013. Ms. Rotella has an existing EPA fence on her property which is in good condition. Ms. Rotella stated that no flooding beyond the fence occurs; this is supported by the floodplain mapping. The property is currently controlled by the executrix of Ms. Rotella's estate, Marie Annunziata.

Based on this meeting, no action is required for this property.

Owner Name: Virginia Pelletier

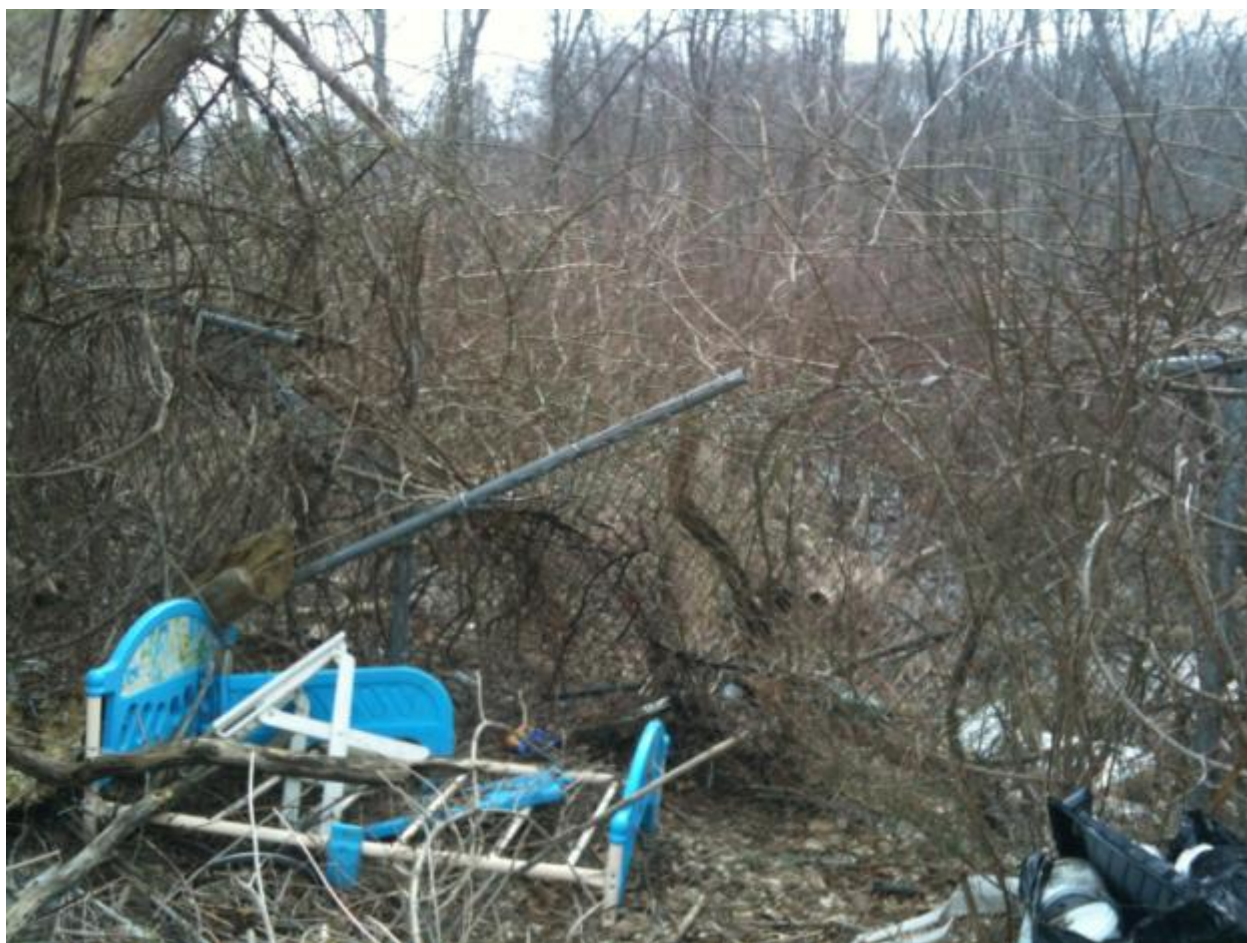
Address: 43 George Street

Plat/Lot: 14-365

Access Agreement Status: Signed

Lou Maccarone, Emily Zimmerman, and Clayton Carlisle met with Virginia Pelletier on February 5, 2013. Ms. Pelletier has an existing EPA chain link fence on her property. According to Ms. Pelletier, flooding does not occur beyond the fence. However, the fence is broken and needs to be repaired.

Based on this meeting and a subsequent site visit, an approximately 10 LF section of the existing chain link fence will be replaced. There is significant vegetation overgrowth on and adjacent to the chain link fence which will need to be cleared prior to work. There is also some debris in the vicinity of the fence that will need to be cleared out to access the fence. The broken section of the fence is approximately 10 LF, and located near the shed on the northern property boundary.



Owner Name: Town of North Providence

Address: George Street

Plat/Lot: ROW

Access Agreement Status: Signed

The existing EPA chain link fence is heavily overgrown with vegetation, and somewhat damaged by fallen trees. Based on mapping, the existing fence is inland of the floodplain.

Vegetation will be cleared from the fence and damaged portions of the fence will be replaced. New signage will also be installed.



Owner Name: Jacqueline Rehel

Address: 46 George Street

Plat/Lot: 14-366

Access Agreement Status: Signed

Ms. Rehel signed an access agreement that was left at her door. Based on observations, there is an existing 3' high chain link fence along the back edge of her property, above the floodplain. The fence appears to be in good condition; therefore, no work is proposed for the property.



Owner Name: Polly Reynolds

Address: 41 Stevens Street

Plat/Lot: 14-398

Access Agreement Status: Signed

Lou Maccarone, Jim Murphy, and Samantha Hogan met with Polly Reynolds on January 8, 2013. Ms. Reynolds' brother and sister-in-law were also present. Ms. Reynolds has an existing EPA fence which has been severely damaged by a fallen tree. Ms. Reynolds stated that her backyard flooded regularly.

Based on this meeting, an approximately 110 LF length of damaged chain link fence will be removed and a new approximately 100 LF length of new chain link fence will be installed slightly inland of the existing fence. In addition, an approximately 1,700 square foot portion of the backyard will be loamed and seeded. Debris clean-up and some vegetation clearing will be required prior to covering and seeding the yard.



Owner Name: Town of North Providence

Address: Stevens Street

Plat/Lot: ROW

Access Agreement Status: Signed

The existing approximately 45 LF chain link fence at the western end of the Stevens Street is damaged due to heavy overgrowth and a fallen tree. The damaged fence will be repaired or replaced, as required. Significant vegetation clearing is required prior to repair or replacement.



Owner Name: Ali Iman (Abandoned)

Address: 44 Stevens Street

Plat/Lot: 14-399

Access Agreement Status: Not Required

Lou Maccarone, Emily Zimmerman, and Samantha Hogan visited the property located at 44 Stevens Street on January 22, 2013. Based on observations, it appeared that the house and property were abandoned. The existing EPA fence appeared to be in good condition. Floodplain mapping does not show potential flooding beyond the fence.

Based on observations and floodplain mapping, no action is required at this property.

Owner Name: Leslie Drozdowski

Address: 21 Aldrich Street

Plat/Lot: 14-418

Access Agreement Status: Signed

Lou Maccarone, Emily Zimmerman, and Samantha Hogan met with Leslie Drozdowski on January 22, 2013. The existing EPA fence is inundated by the river. Based on floodplain mapping and topography, it appears that a portion of the yard is likely to flood. Ms. Drozdowski was amenable to moving the existing fence inland.

Based on this meeting and subsequent meeting and site visit, approximately 120 feet of existing fence will be removed and approximately 85 feet of new chain link fence with a gate will be installed further inland, just west of a line of large trees.



Owner Name: Town of North Providence

Address: Aldrich Street

Plat/Lot: ROW

Access Agreement Status: Signed

The existing EPA chain link fence at the western end of the Aldrich Street ROW is heavily damaged. Based on mapping, flooding occurs approximately 8 to 10 feet inland of the existing fence.

The existing chain link fence will need to be removed, and a new 40 foot section of chain link fence with a gate installed inland. The new section of fence will be installed next to the edge of pavement of the ROW to simplify installation and avoid trees and other vegetation. Care needs to be taken not to encroach on 22 Aldrich Street to the south, as access to that property has been prohibited.



Owner Name: Donald & Susan Asselin

Address: 22 Aldrich Street

Plat/Lot: 14-419, 14-420, & 14-421

Access Agreement Status: Waiver Required

Lou Maccarone and Samantha Hogan met with Donald Asselin on January 9, 2013. Mr. Asselin has an existing EPA fence in place. The portion of the fence that was observed appeared to be in good condition. Mr. Asselin stated that a portion of his backyard occasionally floods. However, Mr. Asselin was adamant about not wanting any interim action taken on his property and was unwilling to allow any access to his property for any reason. He was informed of the need for him to sign a waiver and he understood and agreed to sign a waiver of interim action.

Owner Name: Town of North Providence

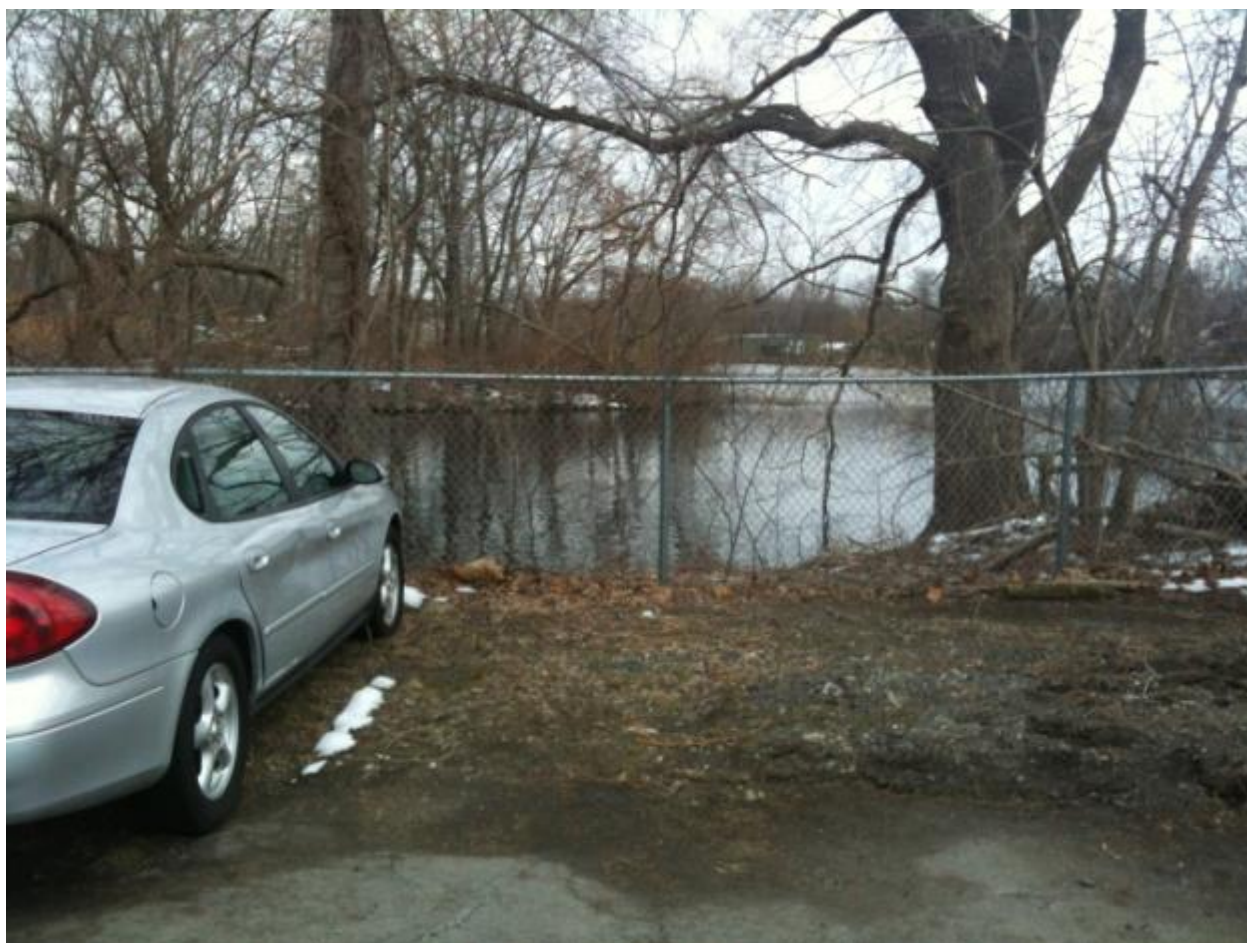
Address: Centerdale Avenue

Plat/Lot: ROW

Access Agreement Status: Signed

The existing chain link fence is in good condition. The mapped floodplain is approximately 25 LF inland of the existing fence; however, the fence cannot be moved that far inland as the driveway to 15 Centerdale Avenue is approximately 12 LF feet inland of the existing fence.

Based on a site visit, the existing fence will be removed, an approximately 12 LF section of chain link fence will be installed along the western edge of pavement, a 30 LF section with a gate and signage will be installed along the southern edge of pavement, and an 8 LF section will be installed along the eastern edge of pavement. An unregistered car is sometimes parked adjacent to the fence and may need to be moved prior to installation of the fence.



Owner Name: Joseph Saravo

Address: 34 Centerdale Avenue

Plat/Lot: 14-448

Access Agreement Status: Signed

Mr. Saravo signed an access agreement that was mailed to him. Based on mapping and a site visit, an approximately 35 LF section of existing chain link fence will be removed, and a new approximately 60 LF section of new chain link fence installed approximately 24 LF inland, along the mapped floodplain boundary.



Owner Name: Christopher and Michelle Dunn

Address: 578 Woonasquatucket Ave

Plat/Lot: 14-449

Access Agreement Status: Signed

Jim Murphy and Samantha Hogan met with Michelle Dunn on January 8, 2013. There is an existing EPA fence along the river on the property. Ms. Dunn stated that there is some minor flooding of her large backyard.

Based on this meeting and a subsequent site visit, the existing fence will be removed and an approximately 70 foot section of new chain link fence with a double gate will be installed along the mapped floodplain boundary.



Owner Name: Claudia Koehler

Address: 572 Woonasquatucket Avenue

Plat/Lot: 14-450

Access Agreement Status: Signed

Claudia Koehler signed an access agreement that was left at her door. There is an approximately 70 LF section of EPA chain link fence along the rear of the property. Based on mapping and proposed work on adjacent properties, the existing fence will be removed and an approximately 55 LF section of new chain link fence will be installed along the mapped floodplain.



Owner Name: Gordon & Leona Gibau

Address: 566 ½ Woonasquatucket Avenue

Plat/Lot: 14-210

Access Agreement Status: Signed

Lou Maccarone, Jim Murphy, and Samantha Hogan met with Gordon Gibau on January 8, 2013. There is an existing EPA fence located on the property. Mr. Gibau did not indicate that regular flooding beyond the existing fence occurred, however, he is amenable to relocating the current fencing. He also requested some minor brush clearing, that we are amenable to performing.

Based on the meeting, floodplain mapping, and subsequent site visit, the existing fence will be removed and a new approximately 85 LF section of fence with a gate will be installed along the mapped floodplain boundary. Minor brush clearing will also be performed.



Owner Name: William Roy

Address: 562 Woonasquatucket Avenue

Plat/Lot: 12-239 and 12-240

Access Agreement Status: Not Required

Lou Maccarone, Emily Zimmerman, and Samantha Hogan met with William Roy on January 22, 2013. Mr. Roy has an existing EPA fence on his property. The fence appeared to be in good condition. Mr. Roy stated he has had no problems with flooding on his property.

Based on this conversation, no action is proposed for this property.

Owner Name: Anthony Botelho

Address: 542 Woonasquatucket Avenue

Plat/Lot: 12-551

Access Agreement Status: Not Required

Lou Maccarone, Emily Zimmerman, and Samantha Hogan met with Mr. Botelho on January 23, 2013. Mr. Botelho has an existing EPA fence located along the river; the fence is in good condition. He stated that he has had no problems with flooding.

Based on this conversation, no action is proposed for this property.



Owner Name: Anthony Janello

Address: 530 Woonasquatucket Avenue

Plat/Lot: 12-552

Access Agreement Status: None Required

Lou Maccarone, Emily Zimmerman, and Samantha Hogan met with Anthony Janello on January 23, 2013. The meeting took place off-site of his property. Mr. Janello has an existing EPA fence along the riverfront on his property, which he states was in good condition. According to Mr. Janello, water has not inundated the property beyond the fence since he moved there in 2009.

Based on this conversation, no action is proposed for this property.

Owner Name: Mary Jane Davidow

Address: 524 Woonasquatucket Avenue

Plat/Lot: 12-553

Access Agreement Status: Signed

Lou Maccarone, Jim Murphy, and Samantha Hogan met with Mary Jane Davidow on January 8, 2013. Ms. Davidow has an existing wooden EPA fence along the riverfront on her property; the fence is in fair condition. She experiences some flooding of her property during storm events. She is amenable to installing a new fence along the floodplain boundary, as long as it is a wood fence.

Based on this conversation and subsequent site visit, approximately 110 LF of existing fence will be removed and approximately 150 feet of new wooden fence with a gate will be installed along the floodplain boundary.



Owner Name: Michael and Carol Bissanti

Address: 518 Woonasquatucket Avenue

Plat/Lot: 12-554

Access Agreement Status: Signed

Lou Maccarone, Jim Murphy, and Samantha Hogan met with Michael and Carol Bissanti on January 9, 2013. Mr. and Mrs. Bissanti have an existing chain link EPA fence along the riverfront on their property. The existing fence is in good condition and floodwaters to not overtop the bank it is located on, however, there is a large hole cut in the fence. Mr. and Mrs. Bissanti would like a new wooden fence, similar to the fence located on the adjacent property to the north (524 Woonasquatucket Avenue) with a gate installed. Because the approximately 130foot section of fence would be replaced rather than relocated, it is likely that the existing metal posts could be reused.

In addition to discussion about the fence, Mr. and Mrs. Bissanti brought up concerns about the asphalt plant directly across Allendale Pond from their property, specifically, complaints about odor and stormwater runoff.

Based on this conversation and subsequent site visit, the approximately 130 LF existing chain link fence will be replaced with a new wooden fence and gate. Prior to installation, materials and debris stored behind the garage as well as a cast-iron tub will need to be relocated, and vegetation overgrowing the fence will need to be cleared. In addition, Mr. Maccarone will discuss the property owners' concerns about the asphalt plant with DEM.



Owner Name: Alice Richardson

Address: 512 Woonasquatucket Avenue

Plat/Lot: 12-555

Access Agreement Status: Signed

Lou Maccarone, Kelsey O'Neil, and Samantha Hogan met with Alice Richardson on January 10, 2013. Ms. Richardson has an existing EPA fence at the back of her property. In addition, she has installed a second combination chain link and picket fence adjacent but not connected to the EPA fence. Although she has no issues with flooding on her property, she does not have a gate in the EPA fence and the land on the river side of the fence has become heavily overgrown with vegetation.

Based on this conversation and subsequent site visit, the existing EPA chain-link fence will be completed by removing approximately 24 LF of picket fence and replacing it with chain link fence; a gate will also be installed. Minor vegetation clearing will be performed.



Owner Name: Tri-Town/Joseph R. DeSantis

Address: 33 Maple Avenue

Plat/Lot: 12-320

Access Agreement Status: Signed

The Tri-Town Community Center is completely fenced with a combination of chain link and wooden stockade fencing. Access to the portion of the property located within the floodplain is restricted by both the Community building and the fence.

Based on a site visit, a portion of the chain link fence near the south side of the building has some minor damage. The damaged section of fence will be repaired.



Owner Name: Carmen Nunez

Address: 23 Maple Avenue

Plat/Lot: 11-011 & 12-322

Access Agreement Status: Signed

Carmen Nunez signed an access agreement that was left at her door, and personal contact with Ms. Nunez has not been made. Based on mapping, a significant portion of the yard is located within the floodplain.

Based on a site visit and subsequent meeting with Lou Maccarone, approximately 305 LF chain link fence will be installed along the northern property boundary and the west and southern boundary of the grass portion of the yard.



Owner Name: 36 Zambarano Avenue

Address: Diane Lariviere

Plat/Lot: 11-419

Access Agreement Status: Signed

Diane Lariviere signed an access agreement that was left at her door on January 23, 2013. Currently, there is no fence on the property. Emily Zimmerman spoke with Ms. Lariviere on the phone, and she was amenable to installing a chain link fence. During a subsequent site visit, a chicken wire fence along the rear of the property was observed.

Based on the phone conversation and site visit, approximately 95 LF of existing chicken wire fence will be removed and a new chain link fence installed in the same location.



Owner Name: Town of North Providence

Address: Zambarano Avenue

Plat/Lot: ROW

Access Agreement Status: Signed

There is currently no fence at the end of the Zambarano Avenue ROW. A metal guardrail is located at the edge of pavement. Based on mapping, the end of the ROW is located within the floodplain.

A new approximately 35 LF section of chain link fence with a gate will be installed perpendicular to the ROW, just west of the guardrail, between existing fences located at 37 Zambarano Avenue to the south and 36 Zambarano Avenue to the north. New signage will also be installed.



Owner Name: Linda Dipetrillo

Address: 37 Zambarano Avenue

Plat/Lot: 11-420

Access Agreement Status: Waiver Required

Lou Maccarone, Jim Murphy, and Samantha Hogan met with property owner Linda Dipetrillo and her son Craig Dipetrillo on January 9, 2013. There is currently no fence on the property, just a chain along the riverfront to deter Canadian Geese from the yard. Ms. Dipetrillo explained that she was in the process of selling her home, and might be amenable to fencing, but would have to discuss it with her other sons.

Emily Zimmerman later spoke with Craig Dipetrillo on the phone, and he declined any work or access to the property.

Based on these conversations, no work is proposed for the property and a waiver is required.

Owner Name: Greater Providence Chapter RIA/Paul Santurri

Address: 35 Zambarano Avenue

Plat/Lot: 11-422

Access Agreement Status: Pending

Lou Maccarone and Samantha Hogan met with Paul Santurri, the Facilities Manager of the Fogarty Center who manages the property along with another representative of the Fogarty Center on April 29, 2013. There is an existing snow fence along the riverfront. Mr. Santurri was amenable to removal of the snow fence and installation of a new chain link fence and cover.

Based on this meeting and site visit, approximately 20 LF of snow fence will be removed and replaced with new chain link fence, connecting with the existing wood stockade fence along the northern property boundary. In addition, approximately 875 SF of loam and seed will be placed on the mapped floodplain boundary.



Owner Name: Mary and Richard McCoy

Address: 18 Falco Street

Plat/Lot: 11-423 & 11-424

Access Agreement Status: Signed

Lou Maccarone, Emily Zimmerman, and Samantha Hogan met with Mary McCoy on January 23, 2013. There is currently a plastic snow fence along the riverfront on the property to deter Canadian Geese from the yard. According to Mrs. McCoy, floodwater rose up approximately four feet during the 2010 floods. When they first moved into the house, flood waters rose up further, almost to the house itself.

Based on this conversation and a subsequent site visit, approximately 2,800 SF of loam and seed will be placed between the rear of the patio adjacent to the house and the riverbank, and approximately 80 LF of new chain link fence will be installed 4 LF inland of the existing snow fence.



Owner Name: Anthony Campanelli

Address: 16 Falco Street

Plat/Lot: 11-424 & 11-426

Access Agreement Status: Signed

Lou Maccarone, Emily Zimmerman, and Samantha Hogan met with Anthony Campanelli on January 23, 2013. There is currently a snow fence along the riverbank. According to Mr. Campanelli during flood events water comes up to the back of his first shed.

The approximately 75 LF of snow fence will be removed and a new chain link fence, with a gate, will be installed along the riverbank. Approximately 750 SF of loam and seed will be placed between the back of the shed and the new fence.



Owner Name: Lawrence and Paul Cinquegrana

Address: 14 Falco St

Plat/Lot: 11-427, 11-428, & 14-429

Access Agreement Status: Signed

Lou Maccarone, Emily Zimmerman, and Clayton Carlisle met with the Cinquegrana brothers on February 5, 2013. The property currently has no fence, and approximately half of the yard floods during large rainstorms.

Based on this conversation and a subsequent site visit, approximately 170 LF of chain link fence with a double gate will be installed along the river and approximately 4,500 SF of the yard that has flooded in the past will be covered and seeded. There is a significant amount of debris and equipment located along the western property boundary that will need to be moved and/or disposed of prior to installation of cover.



Owner Name: Phyllis Minutelli

Address: 12 Falco Avenue

Plat/Lot: 11-430 & 11-431

Access Agreement Status: Signed

Lou Maccarone, Emily Zimmerman, and Samantha Hogan met with Mrs. And Mr. Minutelli on February 13, 2013. According to the Minutellis, approximately half of the backyard flooded during the 2010 floods. They were amenable to installation of a fence with a gate along the river, and installation of loam and seed on the portion of the yard that floods.

Based on this conversation and a subsequent site visit, an approximately 100 LF of chain link fence with a double gate and an approximately 2,150 SF area of loam and seed will be placed on the portion of the yard that floods.



Owner Name: Rhonda Simmons

Address: 10 Falco Avenue

Plat/Lot: 11-432 & 11-433

Access Agreement Status: Pending

Lou Maccarone, Emily Zimmerman, and Samantha Hogan met with property owner Rhonda Simmons' father on January 23, 2013. There is an existing fence in the backyard, partially consisting of chain link and partially build of wood picket fence. According to Mr. Simmons, during the 2010 flood water came up approximately 10 inches into the yard, to a pine tree. Ms. Simmons was amenable to installing new chain link fencing and soil cover.

Based on this conversation and a subsequent site visit: the existing wooden fence will be removed, an approximately 60 LF section of new chain link fence will be installed between the two sections of existing chain link fence, and loam & seed will be installed on an approximately 1,500 SF area of the yard. Before installation of loam and seed, debris along the western property boundary, consisting primarily of construction materials, will need to be moved or disposed of.



Owner Name: Beverly Jesuino

Address: 318-320 Woonasquatucket Ave

Plat/Lot: 11-486

Access Agreement Status: Signed

Lou Maccarone, Emily Zimmerman and Samantha Hogan met with Beverly Jesuino on January 22, 2013. The backyard is completely fenced with wood stockade fencing; however, the floodplain covers approximately half of the backyard. Ms. Jesuino was amenable to replacing the wood fence at the rear of the property with a chain link fence and a gate, and installing soil cover and seed.

Based on this meeting, along with a subsequent telephone conversation and site visit, approximately 55 LF of existing wood stockade fence along the rear of the property and 5 LF along the southern property boundary will be removed and replaced with 4-foot high chain link fence and gate. The northern 15 LF portion of the wooden fence will not be replaced, as Ms. Jesuino will be constructing a shed in this location. Approximately 1,660 SF of loam and seed will be installed, between the fence and the rear of the garage, pending approval by Ms. Jesuino of the materials proposed for use as cover.



Owner Name: Edgardo Fragoso

Address: 314-316 Woonasquatucket Ave

Plat/Lot: 11-328

Access Agreement Status: Signed

On January 23, 2013 Lou Maccarone, Emily Zimmerman, and Samantha Hogan met with Mr. Fragoso's wife, Geovany Ramos. The couple has children who play near and sometimes in the river. Mrs. Ramos was amenable to installing a fence with a gate at the rear of the property and adding soil and re-seeding part of the back yard.

Based on this conversation and subsequent site visit, an approximately 105 LF section of chain link fence will be installed adjacent to the river and approximately 1,500 SF of loam and seed will be placed over the existing grass.



Owner Name: Nelly Shiranian

Address: 306 Woonasquatucket Avenue

Plat/Lot: 11-497

Access Agreement Status: Signed

Lou Maccarone, Emily Zimmerman, and Samantha Hogan met with Nelly Shiranian on Janary 22, 2013. Ms. Shiranian has an existing chain link fence along the riverbank. She indicated that during the 2010 floods waters came up to this fence. Ms. Shiranian was amenable to replacing the existing fence with a new chain link fence and gate.

Based on this conversation and a subsequent site visit and discussion with Ms. Shiranian, one gate will be installed in the existing fence near the northern property boundary, a portion of the fence located towards the southern property boundary will be removed and a new approximately 45 LF section of fence installed along the southern property boundary, and a portion of fence with a second gate will be installed between the existing fence and the garage. New fence will be green coated chain link to match the existing fence. Ms. Shiranian also expressed some concern about large branches falling off a large tree located near the fence along the river; the tree will be inspected to see if any branches should be removed to prevent future damage to the fence.



Owner Name: Town of North Providence

Address: Oak St.

Plat/Lot: ROW

Access Agreement Status: Signed

There is an existing white vinyl fence located near the edge of pavement of the Oak St. ROW. The property owner to the south appears to make use of the ROW to the west of the fence, evidenced by it being maintained along with the backyard, and a stack of firewood within the ROW. Based on mapping, a portion of the ROW near the river is within the floodplain.

Based on observations and mapping, approximately 1,160 SF of loam and seed will be installed within the mapped floodplain.



Owner Name: Raymond Pellegrino, Jr.

Address: 28 Oak St.

Plat/Lot: 10-004

Access Agreement Status: Signed

Lou Maccarone and Samantha Hogan met with Mr. Pellegrino. There is currently no fence on the property and there is a fallen tree in the back yard that goes into the water. Mr. Pellegrino was amenable to installation of to place soil cover and seed on a portion of the backyard.

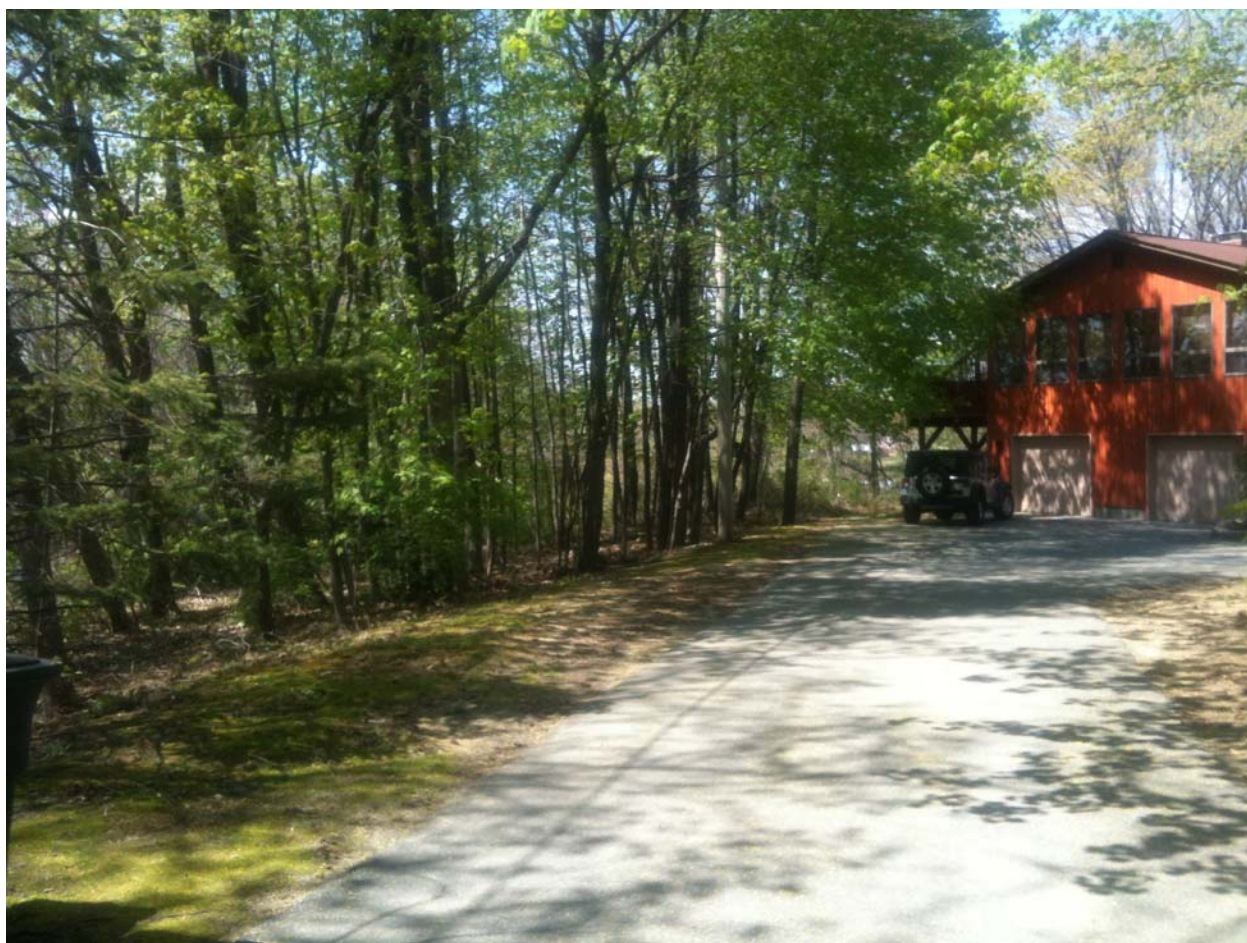
Based on this meeting and a subsequent site visit, the fallen tree will be removed, and approximately 1,635 SF of loam and seed will be installed.



Owner Name: Denise Cassisi
Address: 33 Oak St.
Plat/Lot: 11-577
Access Agreement Status: Signed

The property does not have an existing fence, however, the entire perimeter of the property within the floodplain is wooded. Based on a telephone conversation with Ms. Cassisi, the wooded portions of the property are not used.

Based on this conversation and a subsequent site visit, no work is proposed for this property.



Owner Name: John Testa

Address: 5 Testa Dr.

Plat/Lot: 10-010/13/30/33/34/37/38/41/42

Access Agreement Status: Waiver Required

Mr. Testa does not want a fence. According to him, the 2010 flood waters did not affect his property. There is some minor fencing and natural thorny vegetation along water line, which keeps waterfowl off his property. We informed him that we will request that he signs a waiver of interim remedial action and he agreed to do so. However, he has agreed to allow access to his property for mapping purposes.

Based on this conversation, no work is proposed for the property.

Owner Name: Leonard Furtado

Address: Woonasquatucket Ave (land)

Plat/Lot: 10-604/606/607/608/609/610/611

Access Agreement Status: Signed

Based on mapping, the majority of the vacant Furtado property is located within the floodplain; however, it looks undisturbed and unaccessed by the lack of clearing or noticeable trails. The property is completely landlocked, with privately owned land on three sides, and the river to the west.

Based on a site visit, no work is proposed for the property.

Owner Name: Armando Ricci

Address: Earl St (land)

Plat/Lot: 10-031

Access Agreement Status: Signed

Based on mapping, the majority of the vacant Ricci property is located within the floodplain; however, it looks undisturbed and unaccessed by the lack of clearing or noticeable trails.

Based on a site visit, no work is proposed for the property.

Owner Name: Town of North Providence

Address: Earl St

Plat/Lot: ROW

Access Agreement Status: Signed

Based on mapping and a site visit, 40 LF of new chain link fence will be installed perpendicular to the ROW in line with new fence on abutting property to the south (1 Eric Place). A significant amount of vegetation clearing will be required for installation of this fence. This fence could not be mapped due to heavy vegetation overgrowth in the woods which cover the ROW.



Owner Name: 1 Eric Place Condominium/Rick McCluskie, Jr. (property manager)

Address: 1 Eric Place

Plat/Lot: 10-68

Access Agreement Status: Signed

Lou Maccarone, Emily Zimmerman, and Samantha Hogan met with Mr. McCluskie at his office on January 23, 2013. Mr. McCluskie was amenable to installing a fence along the tree line at the edge of the condominium's parking lot.

Based on this conversation and a subsequent site visit, approximately 90 LF of chain link fence with a gate will be installed along the rear property line.



Owner Name: ROW/Private road

Address: Eric Place

Plat/Lot:

Access Agreement Status: Signed

Eric Place appears to be a public ROW; however, it is used as a shared driveway for 1 and 2 Eric Place. Based on discussions with Rick McCluskie, the property manager for 1 Eric Place, the Town considers it to be private and the adjacent property owners are responsible for maintenance.

Based on this conversation and site visit, approximately 20 LF of chain link fence will be installed along the northern half of the property, adjacent to the parking lot.



Owner Name: Sandra Laurie

Address: 18 Water St.

Plat/Lot: 10-075 & 076

Access Agreement Status: Signed

Lou Maccarone, Emily Zimmerman, and Clayton Carlisle met with Sandra Laurie on February 5, 2013. Ms. Laurie owns two lots, separated by the Water Street ROW. Neither of the lots are currently fenced, however, a retaining wall on Plat 10 Lot 75 keeps floodwaters from encroaching on the property. Ms. Laurie is amenable to installing a chain link fence on Plat 10 Lot 74.

Based on this meeting and a subsequent site visit, an approximately 90 LF section of fence will be installed approximately 20 LF inland of the riverbank, adjacent to a line of trees.



Owner Name: Town of North Providence

Address: Water St

Plat/Lot: ROW

Access Agreement Status: Signed

Based on mapping and a site visit, 40 LF of new chain link fence will be installed slightly perpendicular to the ROW in line with new fence on abutting property to the north and south (both properties owned by Sandra Laurie). The fence line will be placed at or near the top of the embankment rising up from the edge of the pond.



Properties with no Contact

Owner Name: Carmen Ducharme
Address: 18 Aldrich Street
Plat/Lot: 14-422

Owner Name: Charles Murphy
Address: 16 Aldrich Street
Plat/Lot: 14-424 & 14-425

Owner Name: Christopher Petrarca
Address: 15 Centerdale Avenue
Plat/Lot: 14-430

Owner Name: Allendale Baptist Church
Address: Woonasquatucket Avenue
Plat/Lot: 12-240

Owner Name: The Mill at Allendale
Address: 494 Woonasquatucket Ave.
Plat/Lot: 12-560
Access Agreement Status:

Owner Name: Michael Marchione
Address: 296 Woonasquatucket Ave.
Plat/Lot: 11-396

Owner Name: Soledale Cigliuti
Address: 17 Maple Avenue
Plat/Lot: 11-012

Owner Name: Joseph Deluca (heirs)
Address: 2 Eric Place
Plat/Lot: 10-068

Owner Name: The Mill at Allendale

Address: 2 Mill Street

Plat/Lot: 14-268

Access Agreement Status: Signed

Lou Maccarone and Samantha Hogan met with Ryan Rezendes, the president of the Allendale Mill Condominium Association, on July 19, 2013. An old tailrace extends north from the Woonasquatucket River, under the condominium building, an historic mill. The floodplain extends over the eastern bank of the tailrace. Access to the tailrace from the west is limited due to a retaining wall with a steep drop off; however, access is possible from a gentle slope on the eastern side of the tailrace.

Based on this meeting, an approximately 160 LF section of new chainlink fence will be installed along the floodplain on the east side of the tailrace.



Appendix B

Work Plan

**CENTREDALE MANOR
PRELIMINARY WORK PLAN**

Owner Name: Anna Picozzi

Address: 2 Mill Street

Plat/Lot: 14-268

Access Agreement Status: Signed

- Existing wood stockade fence in good condition
- No work required.

Owner Name: Sharon Serio

Address: 41 Steere Avenue

Plat/Lot: 14-271

Access Agreement Status: Signed

- Existing chain link fence in good condition, no work required.
- Remove debris and boat.
- Loam and seed back yard between existing fence and house (~2,400 SF), use crushed stone on driveway area (~250 SF).
- Remove sediment from shed.

Owner Name: Town of North Providence

Address: Steere Avenue

Plat/Lot: ROW

Access Agreement Status: Signed

- Existing fence in good condition, no work required.
- Loam and seed between fence and edge of pavement and mapped floodplain (~1,800 SF).
- Install new signage.

Owner Name: Charles Nabor

Address: 36 Steere Avenue

Plat/Lot: 14-272

Access Agreement Status: Signed

- Existing chain link fence in good condition, no work required..
- Loam and seed accessible portions of the back yard between existing fence and bird house area (<2,500 SF).
- Clear vegetation as needed for access.

Owner Name: Peter Pimentel
Address: 45 Grover Street
Plat/Lot: 14-302
Access Agreement Status: Signed

- Remove existing chain link fence (~105 LF) unless installed as part of tailrace.
- Install new chain link fence approximately ten feet to the east of existing fence (~85 LF).
- Loam and seed between new fence and driveway (~1,900 SF).

Owner Name: Town of North Providence
Address: Grover Street
Plat/Lot: ROW
Access Agreement Status: Signed

- Remove existing chain link fence (~40 LF).
- Install new chain link fence east of existing fence (~40 LF) and along northern boundary (~5 LF).
- Install new signage.
- Coordinate with town on debris removal at edge of pavement.

Owner Name: Suzanne and Paul LaPlume
Address: 39 Redfern Street
Plat/Lot: 14-333 and 14-303
Access Agreement Status: Signed

- Remove existing chain link fence (~185 LF) and install new fence with gate inland (~170 LF).
- Move playhouse inland.
- Remove large tree branch adjacent to fencing, pursuant to phone conversation between Lou and Suzanne.

Owner Name: Town of North Providence
Address: Redfern Street
Plat/Lot: ROW
Access Agreement Status: Signed

- Existing chain link fence in good condition, no work required.
- Install new signage.

Owner Name: Flora Rotella/Marie Annunziata
Address: 42 Redfern Street
Plat/Lot: 14-334
Access Agreement Status: Not Required

- Existing chain link fence in good condition, no work required.
- No work required.

Owner Name: Virginia Pelletier
Address: 43 George Street
Plat/Lot: 14-365
Access Agreement Status: Signed

- Repair/replace damaged section of fence (~10 LF).
- Clear vegetation along fence (~80 LF).

Owner Name: Town of North Providence
Address: George Street
Plat/Lot: ROW
Access Agreement Status: Signed

- Repair/replace damaged section of fence (~10 LF).
- Clear vegetation along fence (~40 LF)
- Install new signage.

Owner Name: Jacqueline Rehel
Address: 46 George Street
Plat/Lot: 14-366
Access Agreement Status: Signed

- Existing chain link fence in good condition, no work required.

Owner Name: Polly Reynolds
Address: 41 Stevens Street
Plat/Lot: 14-398
Access Agreement Status: Signed

- Remove fallen tree from property/river.
- Remove existing damaged chain link fence (~110 LF).
- Install new chain link fence approximately 8 feet east of existing fence (~100 LF).
- Loam and seed between new fence and back of house (~1,700 SF).
- Clear vegetation as required.

Owner Name: Town of North Providence
Address: Stevens Street
Plat/Lot: ROW
Access Agreement Status: _____

- Remove existing damaged chain link fence (~45 LF).
- Install new chain link fence perpendicular to ROW, connecting existing fence at 44 Stevens St. with new fence at 41 Stevens St (~45 LF).
- Clear vegetation as required.
- Install new signage

Owner Name: Ali Iman (abandoned)
Address: 44 Stevens Street
Plat/Lot: 14-399
Access Agreement Status: No Contact/Not Required

- Appears existing chain link fence is in good condition and no work is required.

Owner Name: Leslie Drozdowski
Address: 21 Aldrich Street
Plat/Lot: 14-418
Access Agreement Status: Signed

- Remove existing chain link fence, partially in river (~120 LF).
- Install new chain link fence and gate approximately 20 feet inland, just west of a line of large trees (~85 LF).

Owner Name: Town of North Providence
Address: Aldrich Street
Plat/Lot: ROW
Access Agreement Status: Signed

- Remove existing, damaged chain link fence (~70 LF)
- Install new chain link fence and gate connecting new fence at 21 Aldrich St with existing chain link fence at 22 Aldrich St (~40 LF).
- Install new signage.

Owner Name: Donald & Susan Asselin
Address: 22 Aldrich Street
Plat/Lot: 14-419, 14-420, & 14-421
Access Agreement Status: Waiver Required

- Access denied; no work possible.

Owner Name: Carmen Ducharme
Address: 18 Aldrich Street
Plat/Lot: 14-422
Access Agreement Status: No Contact

- No contact, no work proposed.

Owner Name: Charles Murphy
Address: 16 Aldrich Street
Plat/Lot: 14-424 & 14-425
Access Agreement Status: No Contact

- No contact, no work proposed.

Owner Name: Christopher Petrarca
Address: 15 Centerdale Avenue
Plat/Lot: 14-430
Access Agreement Status: No Contact

- No contact, no work proposed.

Owner Name: Town of North Providence
Address: Centerdale Avenue
Plat/Lot: ROW
Access Agreement Status: Signed

- Remove existing chain link fence (~30 feet).
- Install new chain link fence along western, southern, and eastern edge of pavement (~50 LF).
- Install gate along southern edge of pavement.
- Install new signage.
- Unregistered vehicle may need to be removed prior to work.

Owner Name: Joseph Saravo
Address: 34 Centerdale Avenue
Plat/Lot: 14-448
Access Agreement Status: Signed

- Remove existing chain link fence (~35 LF).
- Install new chain link fence inland from existing fence along mapped floodplain (~60 LF).

Owner Name: Christopher and Michelle Dunn
Address: 578 Woonasquatucket Ave
Plat/Lot: 14-449
Access Agreement Status: Signed

- Remove existing chain link fence (~80 LF).
- Install new chain link fence and double gate inland from existing fence along mapped floodplain (~70 LF).

Owner Name: Claudia Koehler
Address: 572 Woonasquatucket Avenue
Plat/Lot: 14-450
Access Agreement Status: Signed

- Remove existing chain link fence (~70 LF).
- Install new chain link fence inland from existing fence along mapped floodplain (~55 LF).

Owner Name: Gordon & Leona Gibau
Address: 566 ½ Woonasquatucket Avenue
Plat/Lot: 14-210
Access Agreement Status: Signed

- Remove existing chain link fence (~60 LF).
- Install new chain link fence and gate inland from existing fence along mapped floodplain to west (~85 LF).
- Perform some minor brush clearing.

Owner Name: William Roy
Address: 562 Woonasquatucket Avenue
Plat/Lot: 12-239 and 12-240
Access Agreement Status: Not Required

- No work required.

Owner Name: Allendale Baptist Church
Address: Woonasquatucket Avenue (land)
Plat/Lot: 12-550
Access Agreement Status: No Contact

- No contact, no work proposed.

Owner Name: Anthony Botelho
Address: 542 Woonasquatucket Avenue
Plat/Lot: 12-551
Access Agreement Status: Not Required

- Existing chain link fence in good condition, no work required.

Owner Name: Anthony Janello
Address: 530 Woonasquatucket Avenue
Plat/Lot: 12-552
Access Agreement Status: Not Required

- Existing wood fence in good condition, no work required.

Owner Name: Mary Jane Davidow
Address: 524 Woonasquatucket Avenue
Plat/Lot: 12-553
Access Agreement Status: Signed

- Remove existing wood fence (~110 LF).
- Install new wood fence and gate approximately 30 feet to the east of existing fence (~150 LF), connecting to existing fence at 512 Woonasquatucket Avenue.

Owner Name: Michael and Carol Bissanti
Address: 518 Woonasquatucket Avenue
Plat/Lot: 12-554
Access Agreement Status: Signed

- Replace existing chain link fence with wood fence and gate (~130 LF). Reuse existing posts if possible.

Owner Name: Alice Richardson
Address: 512 Woonasquatucket Avenue
Plat/Lot: 12-555
Access Agreement Status: Signed

- Replace portion of wood fence installed by owner with new chain link fence and gate (~24 LF).

Owner Name: Tri-Town
Address: Woonasquatucket Avenue
Plat/Lot:
Access Agreement Status: Signed

- Repair existing chain link fence at south side of building (~30 LF).

Owner Name: Carmen Nunez
Address: 23 Maple Avenue
Plat/Lot: 11-011 & 12-322
Access Agreement Status: Signed

- Install new chain link fence along north property boundary, and western and southern limits of grassed area (~305 LF).
- Install gate at end of concrete path along western grassed area.

Owner Name: Soledale Cigliuti
Address: 17 Maple Avenue
Plat/Lot: 11-012
Access Agreement Status: No Contact

- No contact, no work proposed.

Owner Name: Diane Lariviere
Address: 36 Zambarano Avenue
Plat/Lot: 11-419
Access Agreement Status: Signed

- Remove existing wire fence and replace with new chain link fence (~95 LF).

Owner Name: Town of North Providence
Address: Zambarano Avenue
Plat/Lot: ROW
Access Agreement Status: Signed

- Install new chain link fence and gate perpendicular to ROW, connecting to new fence at 36 Zambarano Ave (~35 LF).
- Install new chain link fence.

Owner Name: Linda Dipetrillo
Address: 37 Zambarano Avenue
Plat/Lot: 11-420
Access Agreement Status: Waiver Required

- Access denied; no work possible.

Owner Name: Greater Providence Chapter RIA
Address: 35 Zambarano Avenue
Plat/Lot: 11-422
Access Agreement Status: No Contact

- No contact, no work proposed.

Owner Name: Mary and Richard McCoy
Address: 18 Falco Street
Plat/Lot: 11-423 & 11-424
Access Agreement Status: Signed

- Remove existing snow fence (~80 LF).
- Install new chain link fence with gate approximately 4 LF inland of snow fence (~80 LF).
- Loam and seed between new fence and edge of patio (~2,800 SF).

Owner Name: Anthony Campanelli
Address: 16 Falco Street
Plat/Lot: 11-424 & 11-426
Access Agreement Status: Pending

- Install new chain link fence in line with back of shed (~75 LF).
- Place loam and seed between new fence and back of shed (~750 SF).

Owner Name: Lawrence and Paul Cinquegrana
Address: 14 Falco St
Plat/Lot: 11-427, 11-428, & 14-429
Access Agreement Status: Signed

- Install new chain link fence and double gate along river (~175 LF).
- Loam and seed approximately half of backyard between river and house (~4,500 SF).
- Remove debris and relocate equipment located near western property boundary.

Owner Name: Phyllis Minutelli
Address: 12 Falco Avenue
Plat/Lot: 11-430 & 11-431
Access Agreement Status: Signed

- Install new chain link fence with double gate to accommodate rowboat along the riverbank (~100 LF).
- Loam and seed approximately half of backyard between riverbank and house (~2,150 SF).

Owner Name: Rhonda Simmons
Address: 10 Falco Avenue
Plat/Lot: 11-432 & 11-433
Access Agreement Status: Signed

- Remove existing wood link fence and replace with new chain link fence (~60 LF).
- Loam and seed between the riverbank and the large pine tree (~1,500 SF).

Owner Name: Beverly Jesuino
Address: 318-320 Woonasquatucket Ave
Plat/Lot: 11-486
Access Agreement Status: Signed

- Remove existing wood fence (~60 LF).
- Install new 4' high chain link fence and gate (~60LF).
- Loam and seed backyard between new fence and garage (~1,660 SF), subject to owner's approval of materials.

Owner Name: Edgardo Fragoso
Address: 314-316 Woonasquatucket Ave
Plat/Lot: 11-328
Access Agreement Status: Signed

- Install new chain link fence along riverbank (~105 LF).
- Loam and seed inland of new fence (~ 1,500 SF).

Owner Name: Nelly Shiranian
Address: 306 Woonasquatucket Avenue
Plat/Lot: 11-497
Access Agreement Status: Signed

- Install new gate.
- Remove existing chain link fence located towards the southern property boundary (50 LF) and install new chain link fence along the southern property boundary (~44 LF).
- Install new chain link fence and gate between existing fence and garge (~6 LF).

- Use green coated chain link to match existing fence.

Owner Name: Michael Marchione
Address: 296 Woonasquatucket Avenue
Plat/Lot: 11-396
Access Agreement Status: No Contact

- No contact, no work proposed.

Owner Name: Denise Cassisi
Address: 33 Oak St.
Plat/Lot: 11-577
Access Agreement Status: No Contact

- No contact, no work proposed
- Remove existing wire fence from northern boundary (~15 LF).
-
- Install new chain link fence along riverbank (~40 LF) and northern boundary (~40 LF).

Owner Name: Town of North Providence
Address: Oak St.
Plat/Lot: ROW
Access Agreement Status: Signed

- Place loam and seed over floodplain (1,160 SF).

Owner Name: Raymond Pellegrino, Jr. -
Address: 28 Oak St. -
Plat/Lot: 10-004 -
Access Agreement Status: Pending

- Remove fallen tree from backyard/river.
- Loam and seed approximately half of backyard between river and house (~1,635 SF).

Owner Name: John Testa
Address: 5 Testa Dr.
Plat/Lot: 10-010/13/30/33/34/37/38/41/42
Access Agreement Status: Waiver Required

- Waiver required, no work proposed.

Owner Name: Leonard Furtado
Address: Woonasquatucket Ave (land)
Plat/Lot: 10-604/606/607/608/609/610/611
Access Agreement Status: Signed

- Landlocked property, no work proposed.

Owner Name: Armando Ricci
Address: Earl St (land)
Plat/Lot: 10-031
Access Agreement Status: No Contact

- Waiver required, no work proposed.

Owner Name: Town of North Providence
Address: Earl St
Plat/Lot: ROW
Access Agreement Status: Signed

- Install new chain link fence perpendicular to ROW, in line with new fence at 1 Earl Place to the south (~25 LF).
- Extensive vegetation clearing in woods is required.

Owner Name: 1 Eric Place Condominium/Rick McCluski, Jr. (property manager)
Address: 1 Eric Place
Plat/Lot: 10-68
Access Agreement Status: Signed

- Install chain link fence and gate along tree line at rear of parking lot (~90 LF).

Owner Name: Uncertain
Address: Paper Street or Private Road
Plat/Lot: _____
Access Agreement Status: Signed

- Install chain link fence along northern half of driveway (~20 LF).

Owner Name: Joseph Deluca (heirs of)
Address: 2 Eric Place
Plat/Lot: 10-068
Access Agreement Status: No Contact

- No contact, no work proposed.

Owner Name: Sandra Laurie
Address: 18 Water St.
Plat/Lot: 10-075 & 076
Access Agreement Status: Signed

- Plat 10 Lot 074: Install new chain link fence inland of riverbank (~90 LF) and across Water Street ROW to house (~35 LF).
- Plat 10 Lot 075: No work required.

Appendix C

Design Drawings

GENERAL NOTES

1. THIS CONTRACT GENERALLY INCLUDES THE FOLLOWING COMPONENTS: REMOVAL AND DISPOSAL OF EXISTING CHAIN LINK FENCING AND WOOD FENCING, THE INSTALLATION CHAIN LINK FENCING AND GATES, THE INSTALLATION OF WOOD FENCING AND GATES, REMOVAL OF DEBRIS MATERIAL, PLACEMENT OF CRUSHED STONE AND GEOTEXTILE FABRIC, AND THE PLACEMENT OF LOAM AND SEED.
2. THE CONTRACTOR SHALL REFER TO AND COORDINATE THE PROJECT REQUIREMENTS AS INDICATED ON THE CONTRACT DRAWINGS AND SPECIFICATIONS.
3. THE LIMITS OF CONSTRUCTION ARE INDICATED ON DRAWINGS AND GENERALLY DELINEATE THE LOCATIONS OF FENCING TO BE REMOVED, PROPOSED FENCING, CRUSHED STONE PLACEMENT AND LOAM/SEED PLACEMENT.
4. THE CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO PREVENT DAMAGE TO ADJACENT AND NEARBY STRUCTURES AND PROPERTY DURING CONSTRUCTION. ALL DAMAGE SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE AT NO ADDITIONAL COST TO THE RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT (RIDEM).
5. UNLESS OTHERWISE NOTED, ABOVE GROUND STRUCTURES AND FEATURES SHOWN ON THE DRAWINGS HAVE BEEN PLOTTED FROM AVAILABLE FIELD INFORMATION. THE CONTRACTOR SHOULD ANTICIPATE THAT THE LOCATION OF STRUCTURES, TREES, AND OTHER MISCELLANEOUS OBJECTS, THE EXISTENCE OF WHICH ARE PRESENTLY NOT KNOWN OR SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THEIR EXISTENCE AND EXACT LOCATION AND TO AVOID DAMAGE THERETO.
6. THE CONTRACTOR SHALL CALL "DIG SAFE" (TELEPHONE: 811) AT LEAST 72 HOURS (EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS) PRIOR TO ANY EXCAVATION.
7. NEW CONSTRUCTION FEATURES ARE SHOWN HEAVY LINED ON "SITE PLAN" DRAWINGS.
8. CONTRACTOR SHALL INSTALL FENCE USING GLOBAL POSITIONING SYSTEM (GPS) COORDINATE INFORMATION PROVIDED WITH THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL UTILIZE GPS LOCATION BASED ON EQUIPMENT CAPABLE OF ACHIEVING SUB-FOOT LEVEL ACCURACY SUCH AS A TRIMBLE GEO 3000 XH, OR EQUIVALENT, FOR DETERMINING LOCATIONS IN THE FIELD. LOCATIONS OF FENCE TURNING POINTS AND END POINTS SHALL BE LOCATED USING GPS COORDINATES.
9. FENCE POSTS SHALL TYPICALLY BE PNEUMATICALLY OR HYDRAULICALLY DRIVEN BY HANDHELD EQUIPMENT, BUT DIRECTION SHALL BE GIVEN BY THE RESIDENT INSPECTOR FOR POST USING CONCRETE POST FOOTING IN THE FIELD ON A CASE BY CASE BASIS.
10. PLACEMENT OF CRUSHED STONE AT 41 STEERE AVENUE TO CONSIST OF LAYER OF 3/4" CRUSHED STONE PLACED 6" THICK OVER MIRAFI 140N OR APPROVED EQUAL, NON-WOVEN GEOTEXTILE FABRIC. EXISTING SURFACE OF SUBGRADE TO BE GRADED SMOOTH PRIOR TO PLACEMENT OF FABRIC.

LEGEND

EXISTING

EXISTING CHAIN LINK FENCE

X

EXISTING WOODEN FENCE

PROPERTY LINE

EDGE OF PAVEMENT

EXISTING BUILDING

FLOOD PLAIN

FP

PROPOSED

PROPOSED CHAIN LINK FENCE

X

PROPOSED WOODEN FENCE

PROPOSED LOAM AND SEED

PROPOSED CRUSHED STONE

FENCE TO BE REMOVED AND DISPOSED

FENCE TO BE REPAIRED

PROPOSED GATE

ABBREVIATIONS

APPROX. APPROXIMATELY

L.F LINEAR FEET

L&S LOAM AND SEED

M&P MAINTAIN AND PROTECT

R&D REMOVE AND DISPOSE

S.F. SQUARE FEET

TYP. TYPICAL

Table 1 - Gate Locations

Contact / Name	Site Address	Gate				Comment
		Chain Link	Green Vinyl	Double Gate	Wood	
Town of North Providence	Grover St ROW	1				Remove existing fence (chain link), remove debris
Suzanne & Paul LaPlume	39 Redfern St	1				Remove existing fence (stockade & chainlink), remove tree, move playhouse
Town of North Providence	Stevens St ROW	1				Replace chain link fence, clear vegetation
Leslie Drozdowski	21 Aldrich St	1				Remove existing fence (chain link, in water)
Town of North Providence	Aldrich St ROW	1				Remove existing fence (chain link, in water)
Town of North Providence	Centerdale Ave ROW	1				Unregistered vehicle may need to be moved
Christopher and Michelle Dunn	578 Woonasquatucket Ave			1		Remove existing fence, double gate
Gordon & Leona Gibau	566 1/2 Woonasquatucket Ave	1				Remove existing fence, minor brush cleaning
Mary Jane Davidow	524 Woonasquatucket Ave				1	Remove existing fence (wood)
Michael and Carol Bissanti	518 Woonasquatucket Ave				1	Reuse metal posts if possible, remove debris
Alice Richardson	512 Woonasquatucket Ave	1				Remove existing fence (wood)
Carmen Nunez	23 Maple Ave	1				Clear vegetation and remove debris, confirm fence location with owner
Town of North Providence	Zambarano Ave ROW	1				
Mary & Richard McCoy	18 Falco St	1				Remove existing fence (snow)
Anthony Campenelli	16 Falco St	1				
Lawrence Cinquegrana	14 Falco St			1		Install double gate
Phyllis Minutelli	12 Falco St			1		Install double gate for rowboat
Rhonda Simmons	10 Falco St	1				Remove existing fence (wood)
Beverly Jesuino	318-320 Woonasquatucket Ave	1				Remove existing fence (wood)/4' new chain link
Nelly Shiranian	306 Woonasquatucket Ave		2			Install two gates, remove existing fence (chainlink), use green vinyl
River's Edge Condominium/Rick McCluskie	1 Eric Pl	1				
TOTAL		15	2	3	2	

NUMBER	DATE	MADE BY	CHECKED BY	REVISIONS DESCRIPTION

The LOUIS BERGER GROUP, Inc.



RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

DRAWN BY:
C. LUPPINO

DEPT CHECK:
C. FEENEY

PROJECT CHECK:
C. CARLISLE

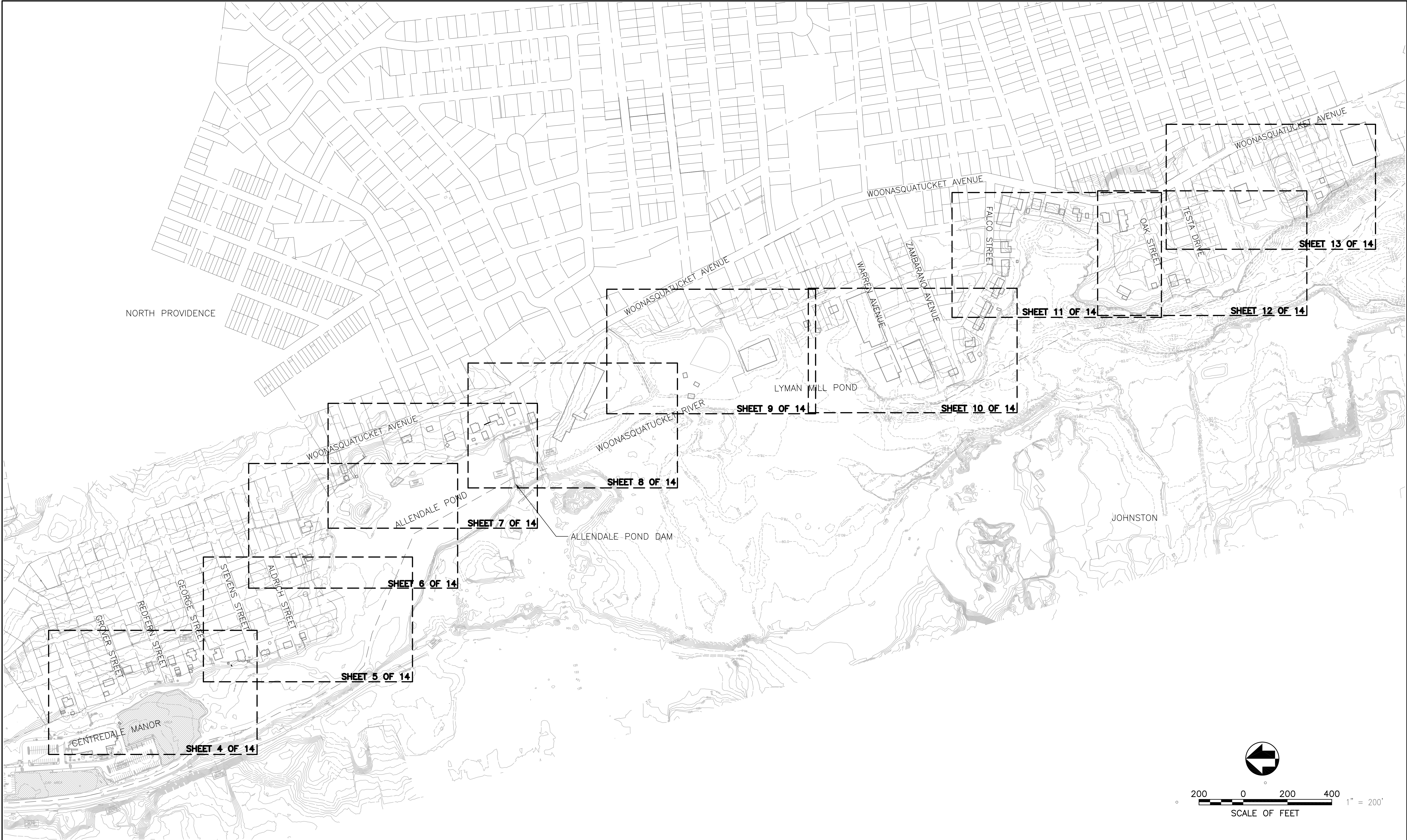
CENTREDALE MANOR RESTORATION, NORTH PROVIDENCE, RI

GENERAL NOTES

RIDEM PROJ. No.
TBD

G-1

SHEET
2 OF 14



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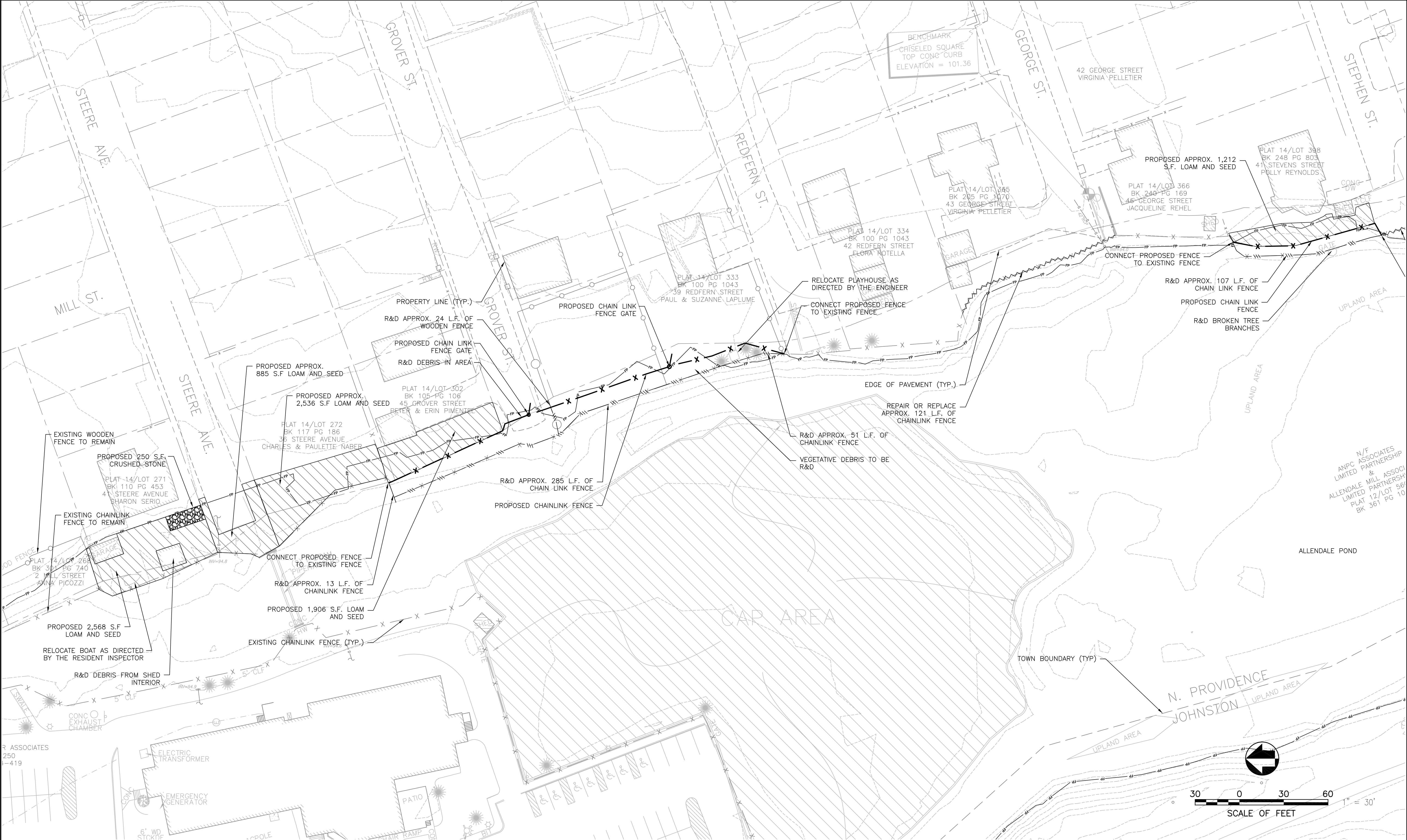
RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

DRAWN BY: C. LUPPINO
DEPT CHECK: C. FEENEY
PROJECT CHECK: C. CARLISLE

CENTREDALE MANOR RESTORATION, NORTH PROVIDENCE, RI

OVERALL SITE PLAN

RIDEM PROJ. No. TBD
C-1
SHEET 3 OF 14



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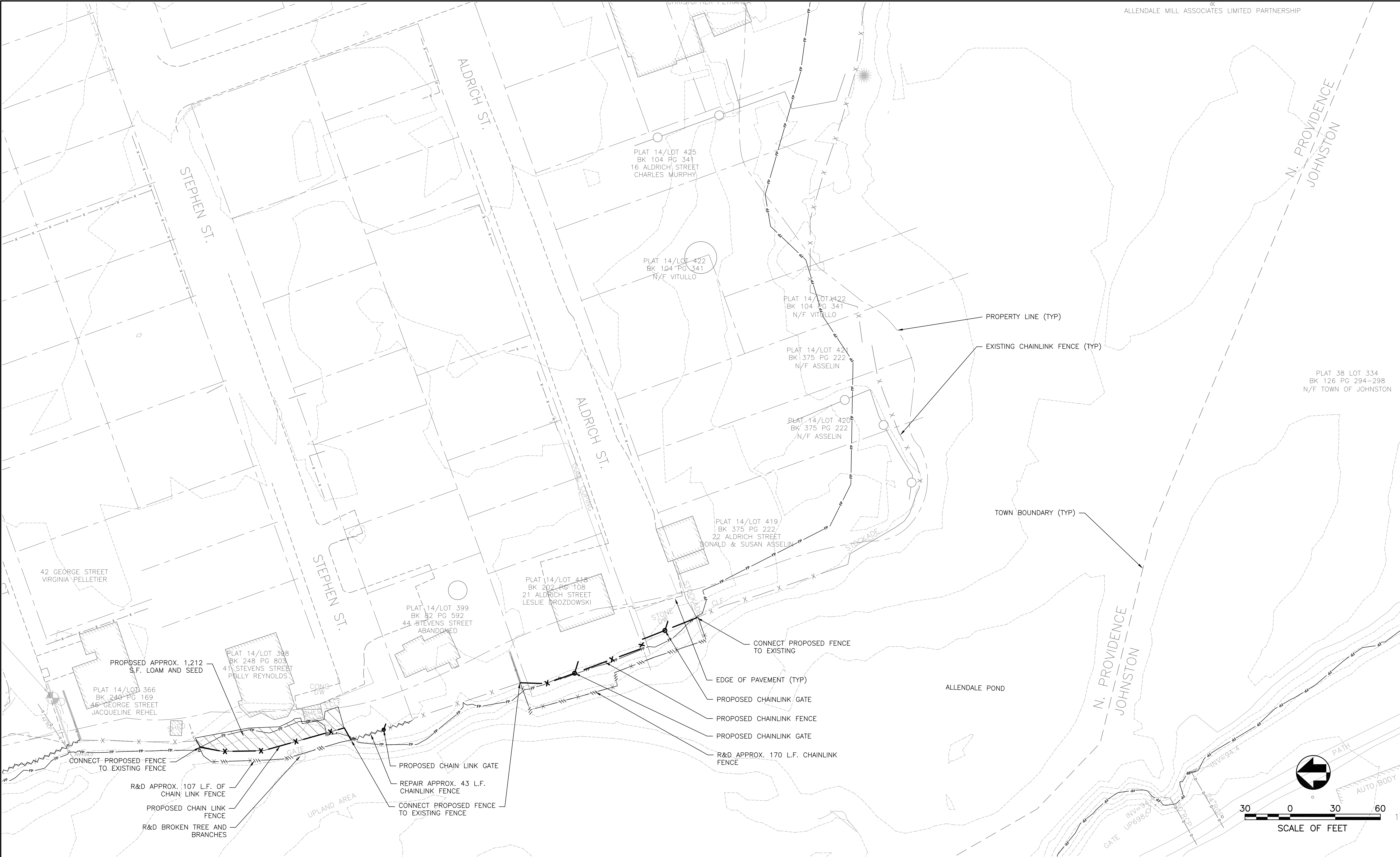
DATE

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C. LUPPINO
DEPT CHECK:
C. FEENEY
PROJECT CHECK:
C. CARLISLE

CENTREDALE MANOR RESTORATION, NORTH PROVIDENCE, RI

SITE PLAN
1 OF 10

RIDEM PROJ. No.
TBD
C-2
SHEET
4 OF 14



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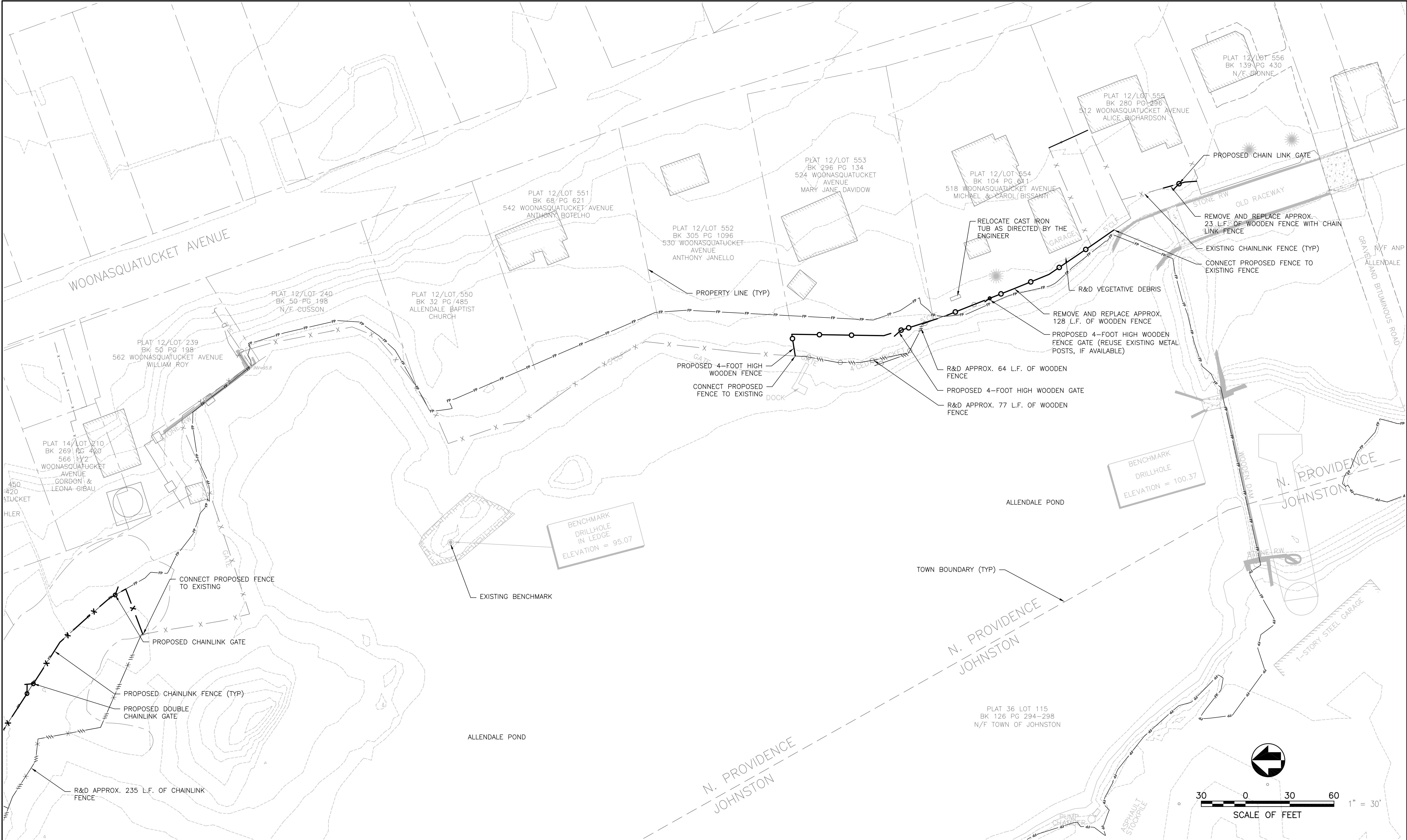
SITE PLAN
2 OF 10

RIDEM PROJ. No.
TBD

C-3

SHEET
5 OF 14

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														C-4	
															SHEET 6 OF 14



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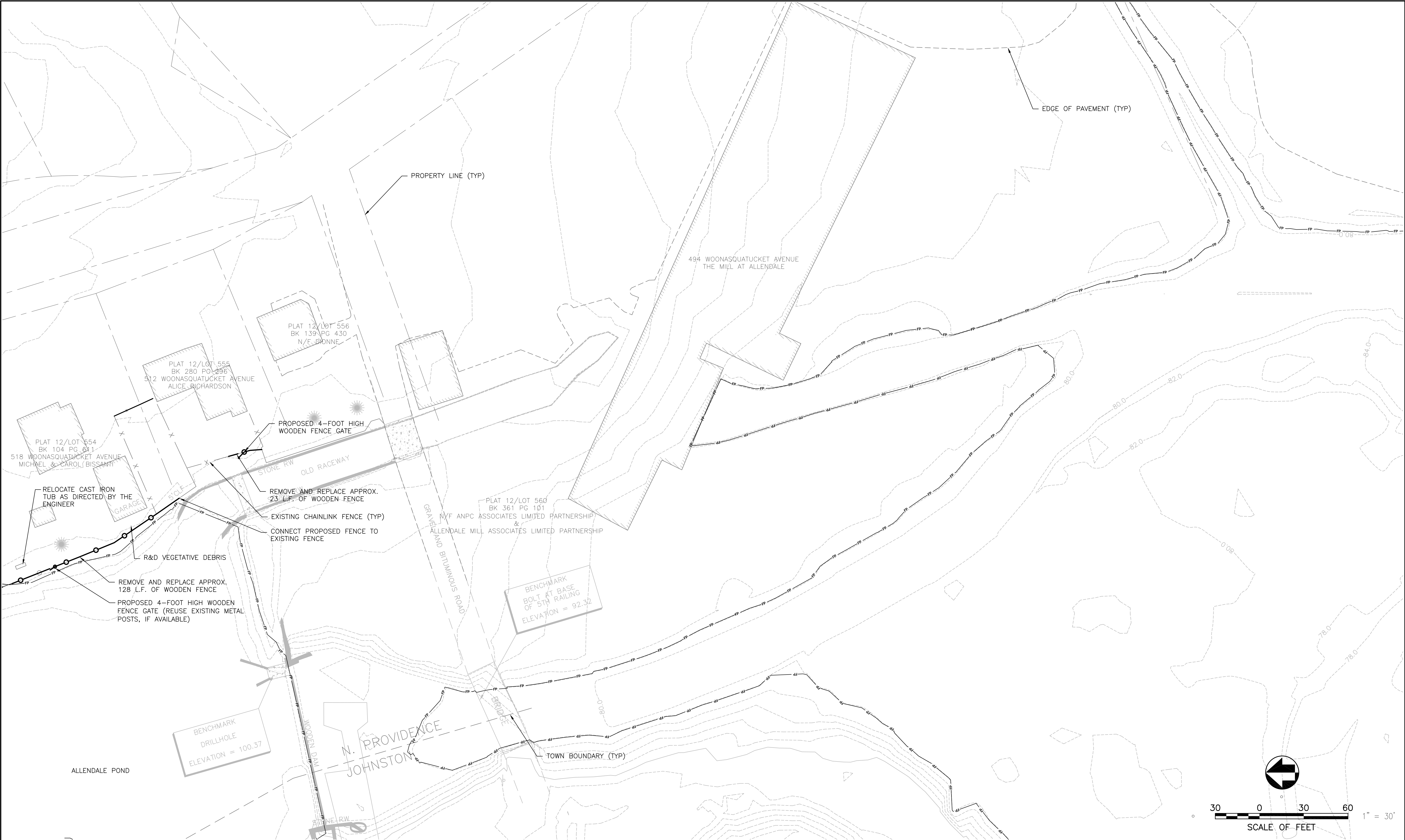
DATE

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DEPT CHECK:
C. FEENEY
PROJECT CHECK:
C. CARLISLE

CENTREDALE MANOR RESTORATION, NORTH PROVIDENCE, RI

SITE PLAN
4 OF 10

RIDEM PROJ. No.
TBD
C-5
SHEET
7 OF 14



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CENTREDALE MANOR RESTORATION, NORTH PROVIDENCE, RI

SITE PLAN
5 of 10

RIDEM PROJ. No.
TBD
C-6
SHEET
8 OF 14



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									C-7 SHEET 9 OF 14



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CENTREDALE MANOR RESTORATION, NORTH PROVIDENCE, RI

SITE PLAN
7 OF 10

RIDEM PROJ. No.
TBD

C-8

SHEET
10 OF 14

NOTE:
ALL CHAIN LINK FENCE AND GATES SHOWN TO BE 5 FEET HIGH EXCEPT 4-FOOT HIGH PROPOSED FENCE AT 318-320 WOONASQUATUCKET AVENUE.



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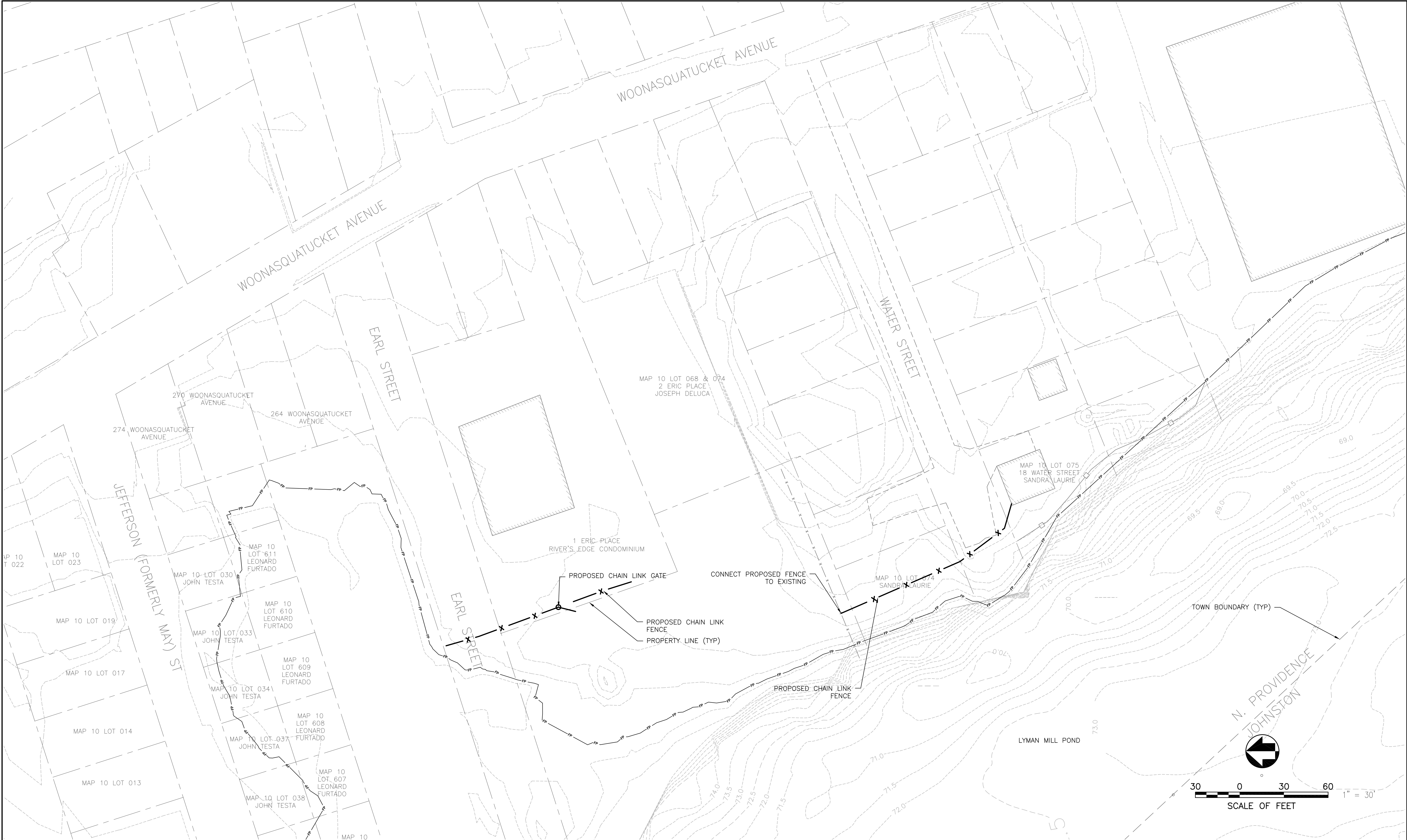
SITE PLAN
8 OF 10

RIDEM PROJ. No.
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C-9

SHEET
11 OF 14

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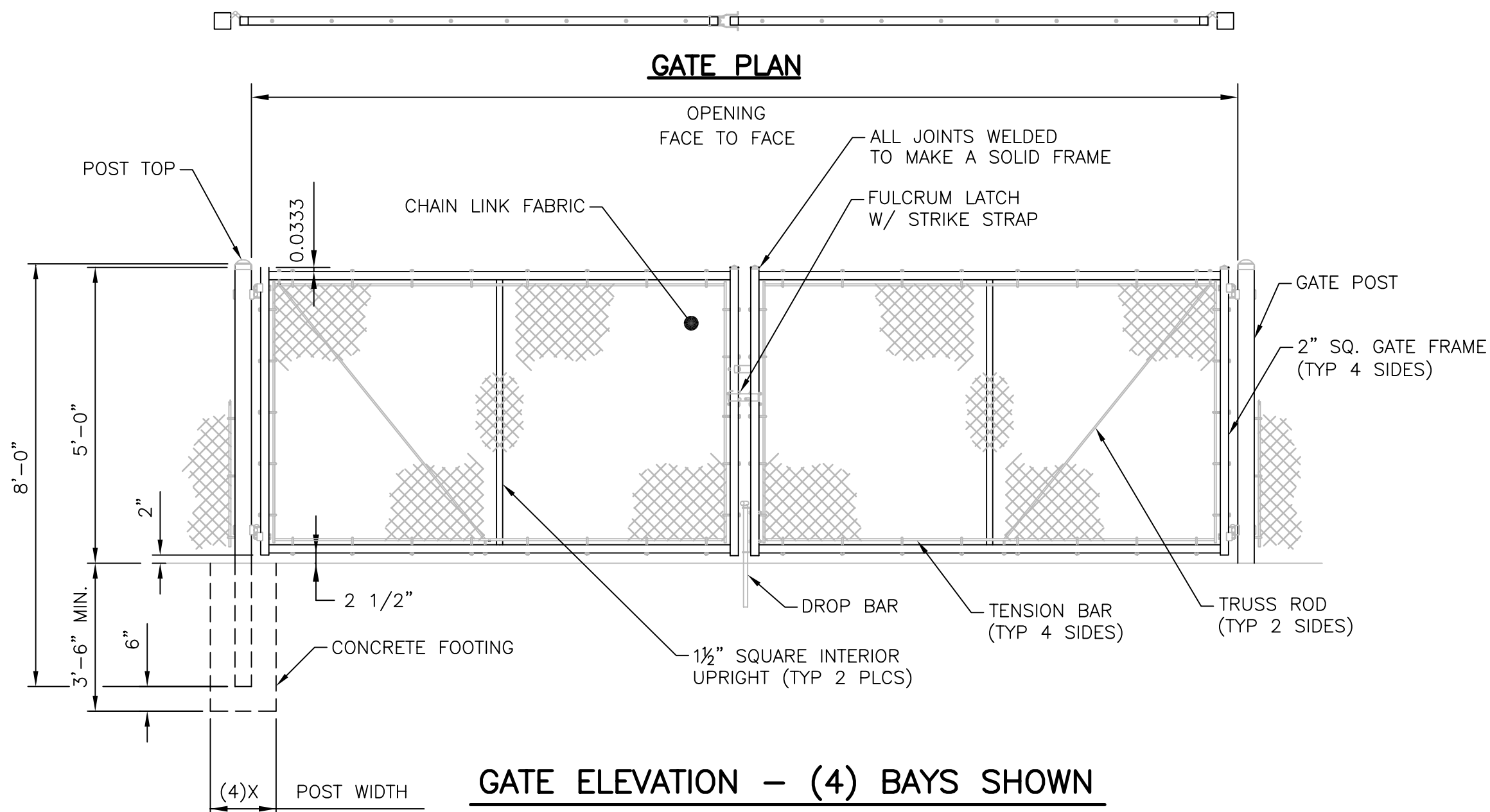
SITE PLAN
10 OF 10

RIDEM PROJ. No.
TBD

C-11

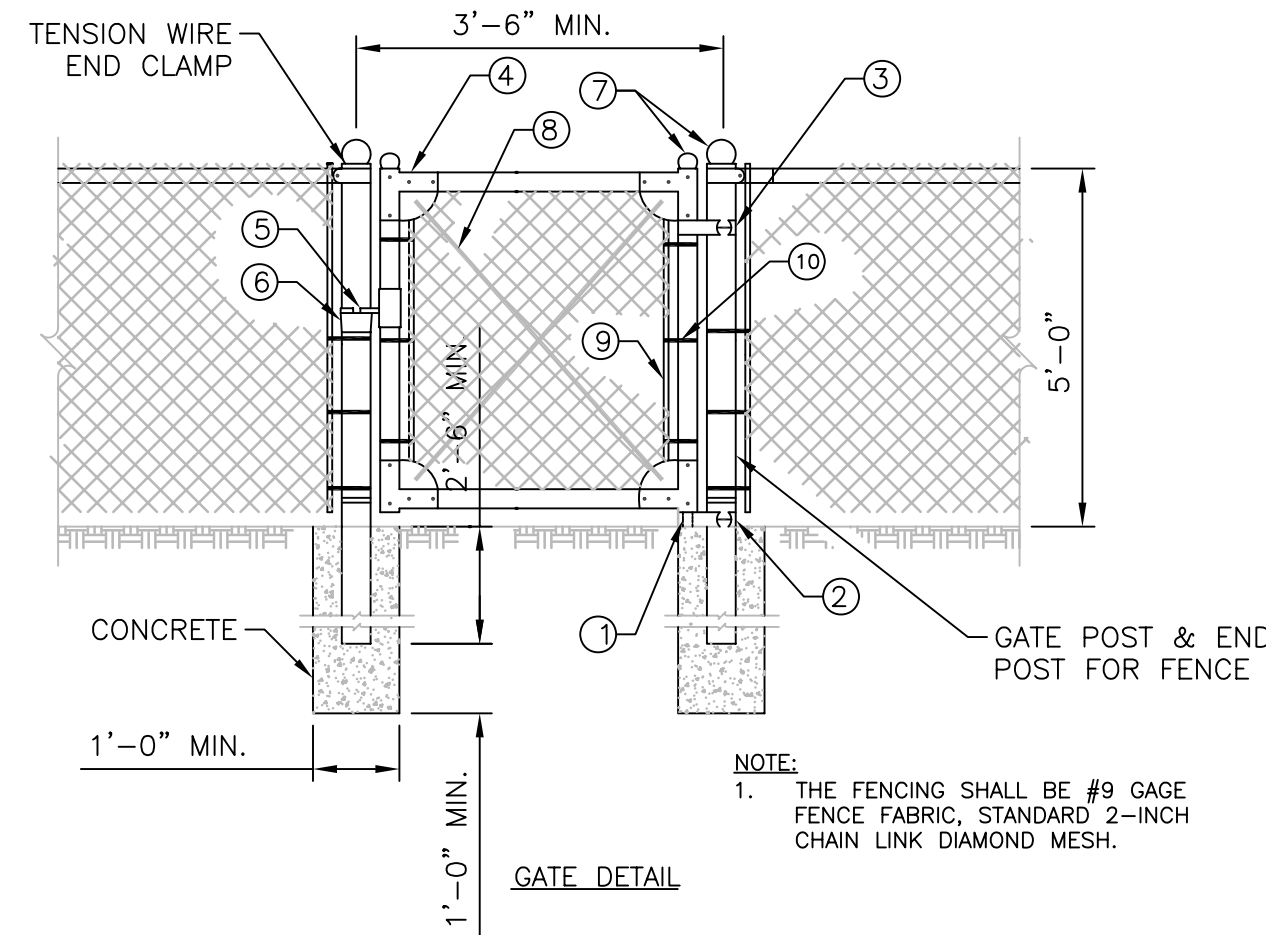
SHEET
13 OF 14

END & CORNER POST TOP OPTIONS
FLAT

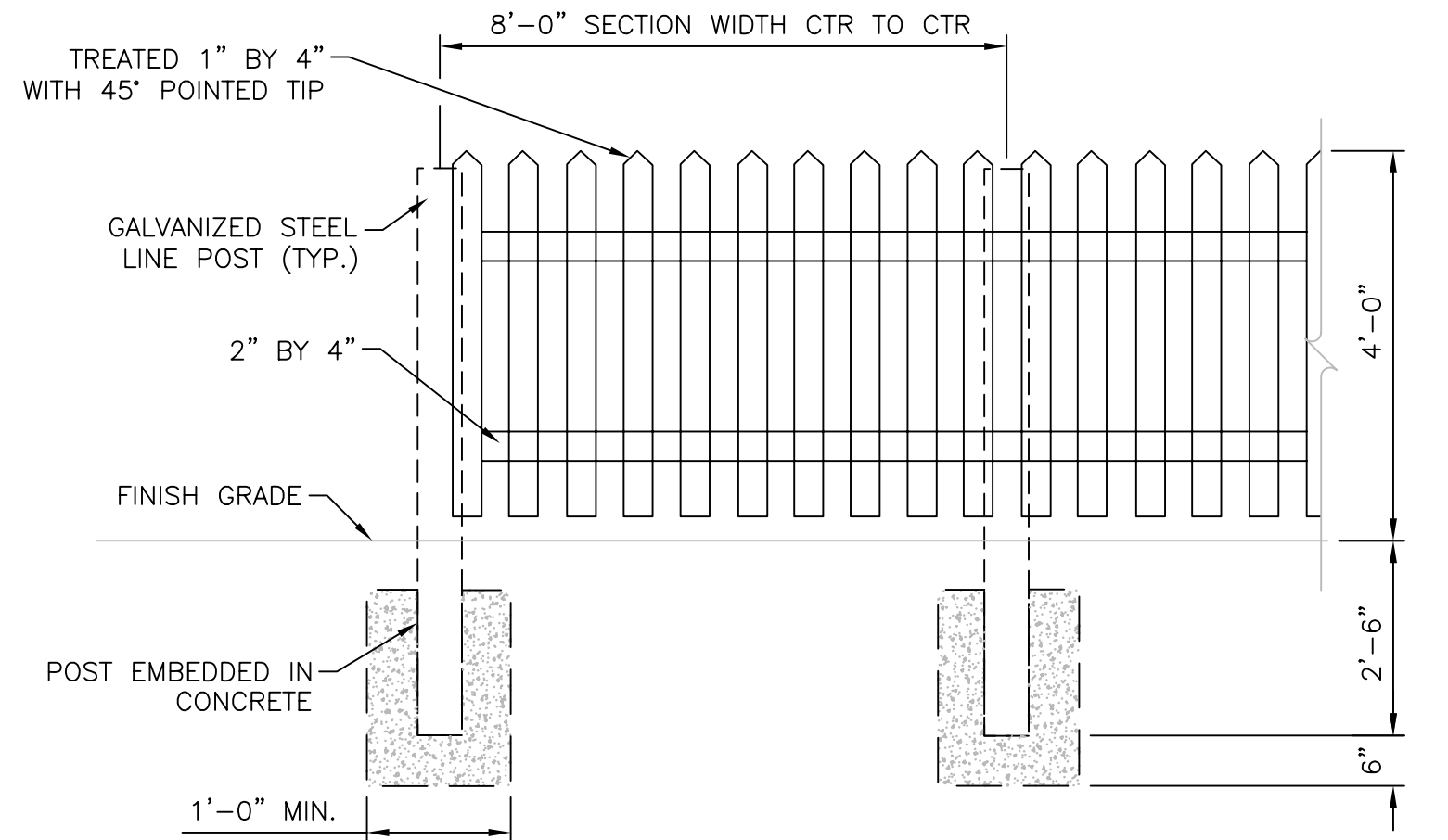
GATE ELEVATION - (4) BAYS SHOWN

1 DOUBLE SWING GATE (TYP.)
(10'-0" WIDTH)



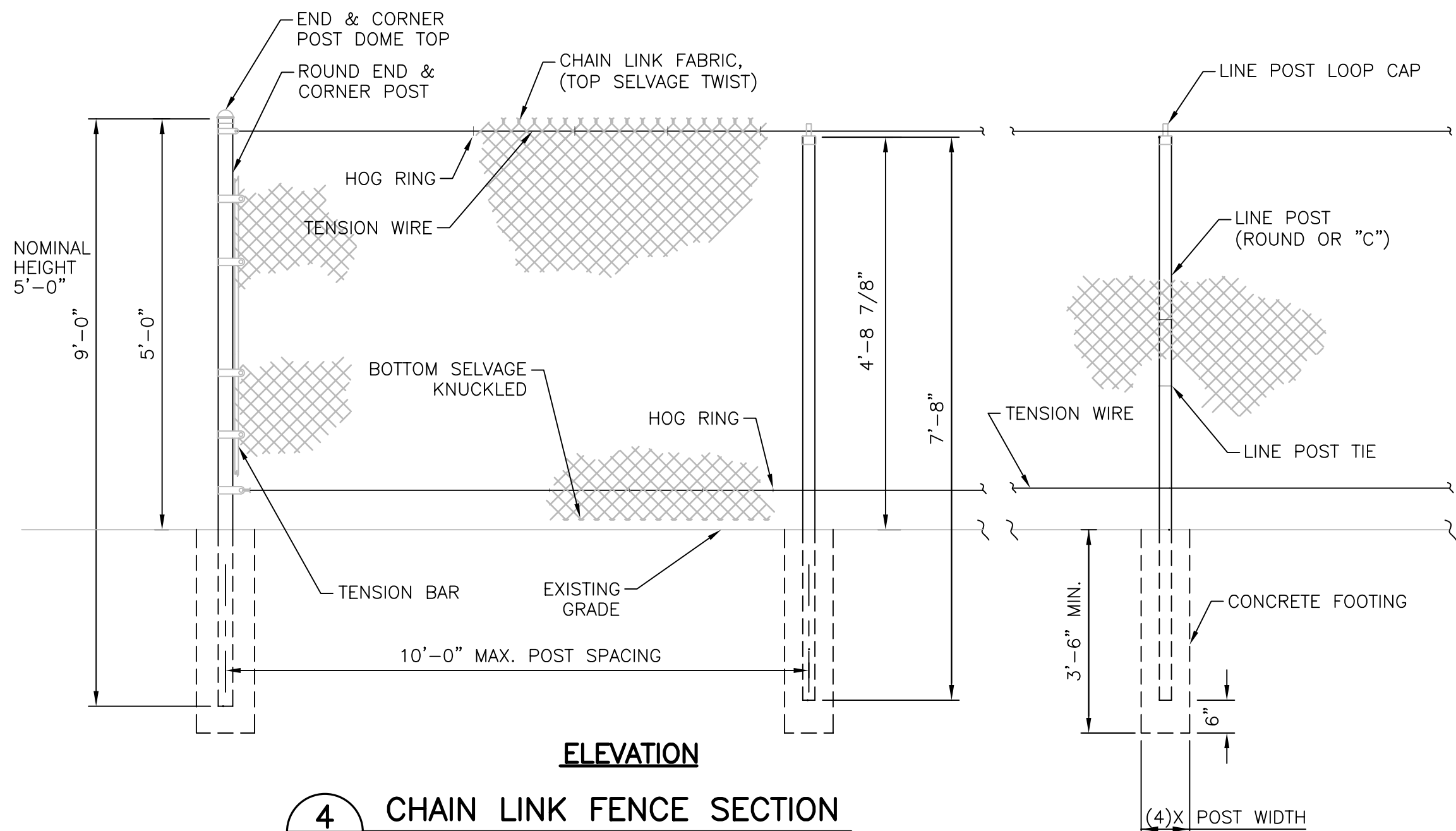
LEGEND		
PART NO.	DESCRIPTION	QUANTITY
1	STRAIGHT PLUG	1
2	BOTTOM HINGE	1
3	TOP HINGE	1
4	CORNER ELBOW	4
5	LATCH FORK	1
6	FORK CATCH	1
7	ORNAMENTAL TOPS	4
8	TRUSS RODS	2
9	STRETCHER BAR	2
10	HOOK BOLTS	6

2 PEDESTRIAN CHAIN LINK FENCE GATE
NOT TO SCALE



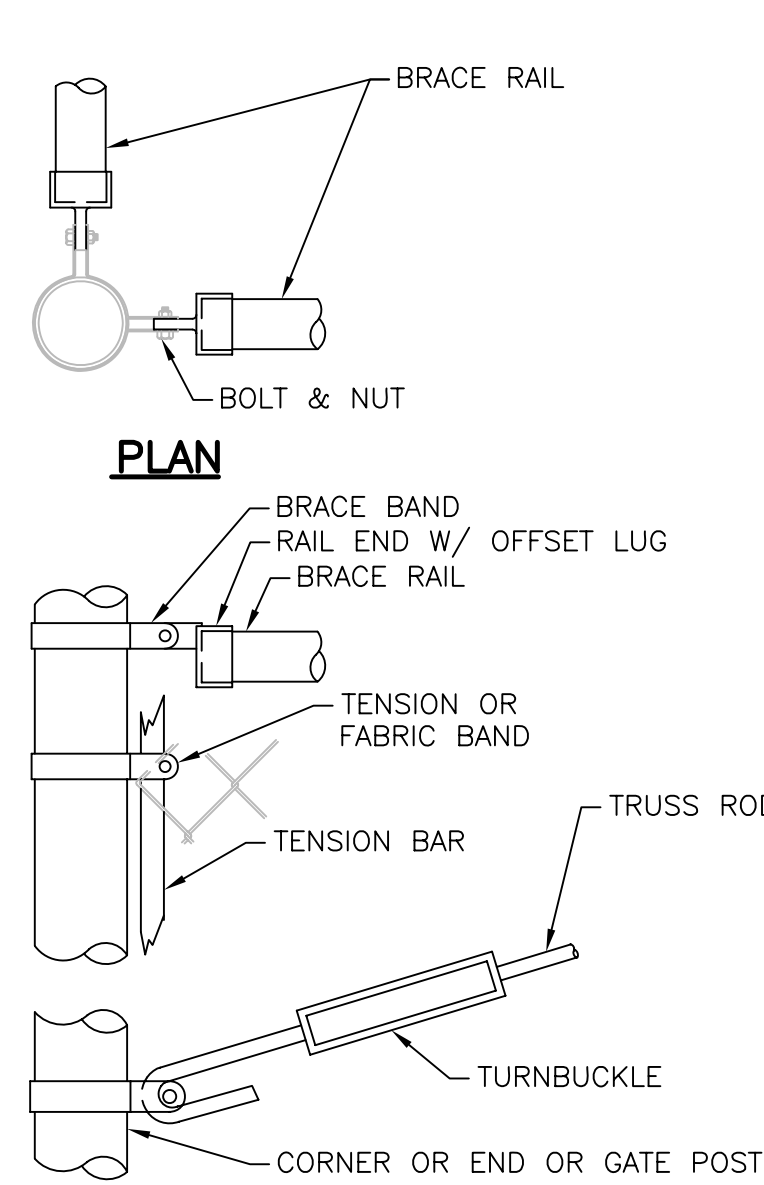
- NOTES:
- ALL WOOD FENCING TO BE NATURAL WOOD WITH WOOD PRESERVATIVE COATING.
 - DIMENSIONS SHOWN ARE NOMINAL FOR WOOD.
 - BOARDS FOR PICKET FENCE TO BE AS SHOWN OR TYPICAL 3" WIDTH WITH 2" SPACING

3 WOODEN FENCE DETAIL
NOT TO SCALE



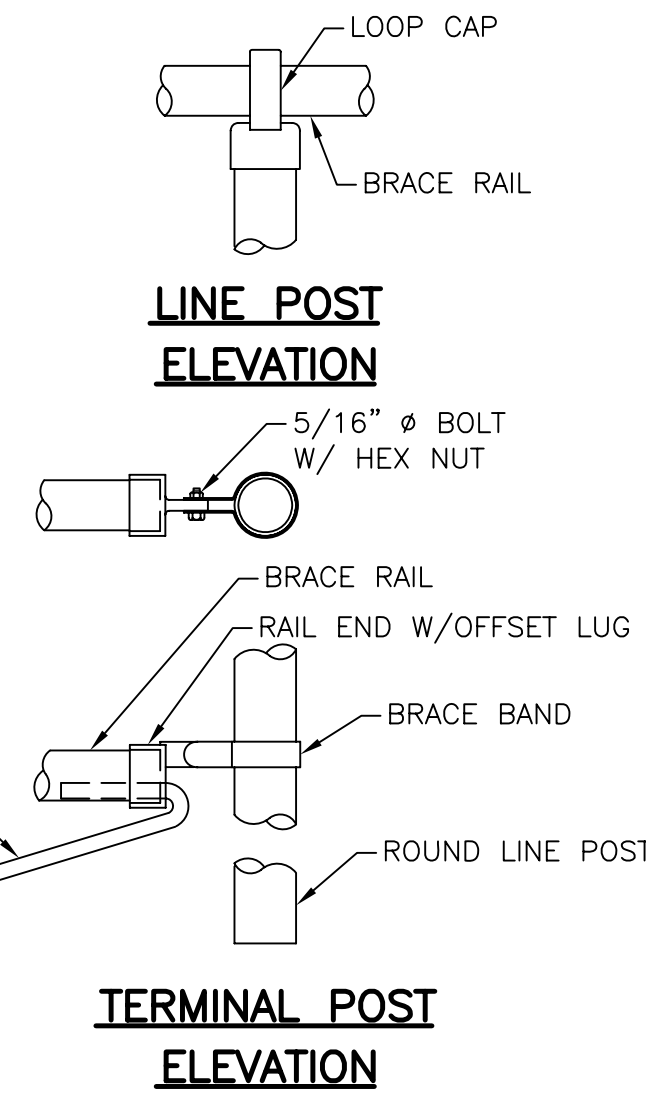
ELEVATION

4 CHAIN LINK FENCE SECTION
NOT TO SCALE



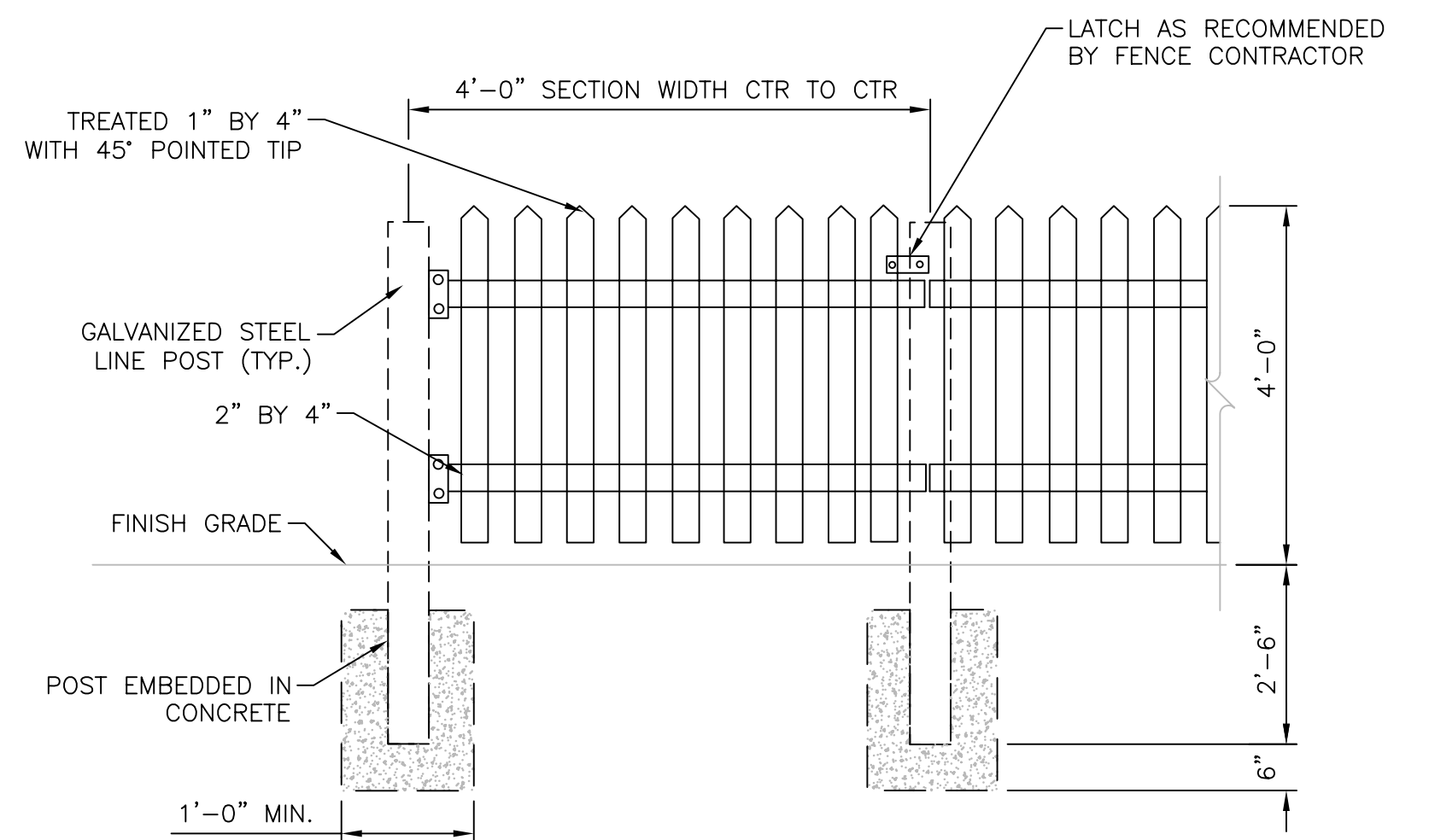
ELEVATION

5 END, CORNER, OR GATE POSTS
NOT TO SCALE



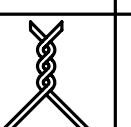
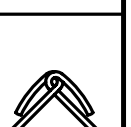
TERMINAL POST
ELEVATION

6 ROUND TERMINAL POSTS
NOT TO SCALE



- NOTES:
- ALL WOOD FENCING TO BE NATURAL WOOD WITH WOOD PRESERVATIVE COATING.
 - DIMENSIONS SHOWN ARE NOMINAL FOR WOOD.
 - BOARDS FOR PICKET FENCE TO BE AS SHOWN OR TYPICAL 3" WIDTH WITH 2" SPACING

7 WOODEN FENCE GATE DETAIL (TYP.)
NOT TO SCALE

END & CORNER POST TOP	TOP & BOTTOM FABRIC OPTIONS	
DOME	TOP SELVAGE TWIST	BOTTOM SELVAGE KNUCKLED
		

- NOTES:
- ALL MATERIAL TO CONFORM TO FEDERAL SPEC RR-F-191G (1-25-74).
 - ALL GALVANIZED FITTINGS TO CONFORM TO ASTM-A153.
 - CENTER UPRIGHT REQUIRED ON GATE LEAVES 8'-0" & WIDER.
 - FOOTING WIDTH TO BE (4)X POST WIDTH.
 - GATES WILL BE MANUALLY OPERATED.
 - ALL CHAIN LINK FENCING AND GATES TO BE HEIGHT AS SHOWN, UNLESS SPECIFICALLY STATED AS OTHERWISE ON SITE PLAN DRAWINGS

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The LOUIS BERGER GROUP, Inc.



REGISTERED PROFESSIONAL
ENGINEER

DATE

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DEPT CHECK:
C. FEENEY
PROJECT CHECK:
C. CARLISLE

CENTREDALE MANOR RESTORATION, NORTH PROVIDENCE, RI

CIVIL DETAILS 1

RIDEM PROJ. No.
TBD

C-12

SHEET
14 OF 14

Appendix D

Weekly Field Reports



THE Louis Berger Group, INC.

295 Promenade Street, Providence, Rhode Island 02908
Tel 401 521 5980 Fax: 401 331 8956 www.louisberger.com

Centredale Manor Restoration Project Superfund Site

**WEEKLY FIELD REPORT
19 AUGUST THROUGH 23 AUGUST, 2013**

DATE	DESCRIPTION OF WORK	COMMENTS
19 August	3 man crew with backhoe and small dumptruck. Cleared debris at end of Steere Ave, Grover Street, George Street, and Stevens Street, as well as Serio and Reynolds properties. Removed debris from shed at Serio property.	-Gate to be installed at end of Steere Ave ROW. -Fence at end of Stevens St. ROW to be relocated east, outside of trees.
20 August	3 man crew with backhoe and small dumptruck. Removed fence and cleared brush from end of Stevens street. Cleared brush at Reynolds property and began removing large tree from river.	-Fence on northern portion of Reynolds property in good condition and not to be replaced.
21 August	3 man crew with backhoe, small dumptruck, and large dumptruck. Continued working to remove large tree from river at Reynolds property. Limited work performed due to mechanical issues with backhoe.	-Hydraulic pump on one backhoe broke, two hydraulic lines on second backhoe broke.
22 August	No work	-Backhoe being repaired
23 August	3 man crew with backhoe, small dumptruck, and large dumptruck. Finished removing large tree from river at Reynolds property.	

Reported by: Samantha Hogan



THE Louis Berger Group, INC.

295 Promenade Street, Providence, Rhode Island 02908
Tel 401 521 5980 Fax: 401 331 8956 www.louisberger.com

Centredale Manor Restoration Project Superfund Site

**WEEKLY FIELD REPORT
26 AUGUST THROUGH 30 AUGUST, 2013**

DATE	DESCRIPTION OF WORK	COMMENTS
26 August	3 person crew with backhoe. Finished clearing vegetation at Reynolds property.	
27 August	3 person crew with backhoe and small dumptruck. Cleared Laplume property.	
28 August	2 person crew with compressor. Installed posts at Laplume property, began installing posts at Pimental property.	
29 August	2 person crew with compressor. Finished installing posts at Pimental property and Grover Street ROW, removed old fence at Laplume, Pimental, and Grover ROW. Installed posts at Reynolds Property.	
30 August	3 person crew with dumptruck. Cleared vegetation at Pelletier/George Street property.	

Reported by: Samantha Hogan



THE Louis Berger Group, INC.

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Centredale Manor Restoration Project Superfund Site

WEEKLY FIELD REPORT

2 SEPTEMBER THROUGH 6 SEPTEMBER, 2013

DATE	DESCRIPTION OF WORK	COMMENTS
2 September	No work – Labor Day.	
3 September	2 person crew with compressor. Installed posts at Centredale Avenue and Dunn property, began installing posts at Drosdowski property.	Second double gate to be installed at Dunn property.
4 September	2 person crew with compressor. Finished installing posts at Drosdowski property, removed fence at Dunn property.	
5 September	2 person crew. Installed fence fabric at Pimental and LaPlume properties, as well as Grover Street ROW.	
6 September	2 person crew. Installed fence fabric at Dunn property and Centredale Avenue ROW. Installed gates at Laplume and Pimental properties, as well as Grover Street. ROW.	

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Centredale Manor Restoration Project Superfund Site

WEEKLY FIELD REPORT

9 SEPTEMBER THROUGH 13 SEPTEMBER, 2013

DATE	DESCRIPTION OF WORK	COMMENTS
9 September	3 person crew with backhoe. Removed damaged tree and finished clearing at Reynolds property.	Backhoe could not access Gibau property due to soft ground, will need to be restored.
10 September	2 person crew with compressor. Cleared vegetation at Gibau property. Installed posts at Koehler and Gibau properties. Installed fence fabric at Drosdowski property.	Fence still needs to be removed at Drosdowski property.
11 September	2 person crew with compressor. Installed fence fabric at Koehler and Gibau properties.	
12 September	Crew in shop to construct gates.	
13 September	Crew in shop to construct gates.	

Reported by: Samantha Hogan



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Centredale Manor Restoration Project Superfund Site

WEEKLY FIELD REPORT

16 SEPTEMBER THROUGH 20 SEPTEMBER, 2013

DATE	DESCRIPTION OF WORK	COMMENTS
16 September	2 person crew with compressor. Installed posts at Mill at Allendale.	
17 September	2 person crew. Installed fence fabric at Mill at Allendale. Repaired fence at Tri-Town.	
18 September	3 person crew with compressor. Installed posts at Nunez property.	Cemented extra posts near slope at western property boundary.
19 September	2 person crew. Installed fence fabric at Nunez Property.	Need to install fill & grade at eastern end of dirt driveway.
20 September	2 person crew. Installed posts in Zambarano Ave. ROW and began installing posts at Campenelli property. Installed fabric at Richardson property.	

Reported by: Samantha Hogan



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Centredale Manor Restoration Project Superfund Site

WEEKLY FIELD REPORT

23 SEPTEMBER THROUGH 27 SEPTEMBER, 2013

DATE	DESCRIPTION OF WORK	COMMENTS
23 September	2 person crew. Installed posts in Zambarano Ave. ROW. Finished installing posts at McCoy property.	
24 September	2 person crew. Installed fabric at Lariviere property. Installed posts at Campanelli properties.	Daniel Lariviere was concerned about height of fence, but issue was resolved.
25 September	2 person crew. Installed posts at Cinquegrana and Simmons properties.	
26 September	2 person crew. Installed fabric at group home, McCoy, and Campenelli properties.	
27 September	2 person crew. Installed fabric at Cinquegrana property. Began constructing gates.	

Reported by: Samantha Hogan



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Centredale Manor Restoration Project Superfund Site

WEEKLY FIELD REPORT
30 SEPTEMBER THROUGH 4 OCTOBER, 2013

DATE	DESCRIPTION OF WORK	COMMENTS
30 September	2 person crew. Installed loam and seed at Naber, Pimental, and Reynolds properties, and in the Steere St. ROW.	
1 October	Two 2-person crews. Installed loam and seed at group home, McCoy, and Campenelli properties, and began installing loam at Cinquegrana property. Installed posts at Minutelli and Fragoso properties.	
2 October	Two 2-person crews. Finished installing loam at Cinquegrana property, installed loam at Minutelli and Simmons properties. Began removing tree at Pellegrino property.	
3 October	Two 2-person crews. Installed loam at Jesuino and Fragoso properties. Continued removing tree at Pellegrino property.	
4 October	2 person crew. Continued removing tree at Pellegrino property.	

Reported by: Samantha Hogan



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Centredale Manor Restoration Project Superfund Site

WEEKLY FIELD REPORT
7 OCTOBER THROUGH 11 OCTOBER, 2013

DATE	DESCRIPTION OF WORK	COMMENTS
7 October	2 person crew. Installed loam at Pellegrino property.	
8 October	2 person crew. Installed posts at River's Edge Condominium and Laurie property.	Got contact information for Deluca, potential to install fence at 2 Eric Place.
9 October	2 person crew. Installed fabric at Fragoso, Jesuino, and Simmons properties.	Installed 4' high fabric at Jesuino property as request and at Simmons property to be consistent with existing fence.
10 October	2 person crew. Installed fabric at Laurie property and River's Edge Condominium. At Shiranian property installed gate opening, posts for new fence, and removed existing green vinyl fence.	
11 October	No work.	

Reported by: Samantha Hogan



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Centredale Manor Restoration Project Superfund Site

**WEEKLY FIELD REPORT
14 OCTOBER THROUGH 18 OCTOBER, 2013**

DATE	DESCRIPTION OF WORK	COMMENTS
14 October	No work – Columbus day.	
15 October	2-person crew. Installed loam, geotextile fabric and crushed stone at Serio property. Installed fabric at Shiranian property. Installed gates at Falco Street properties and in Zambarano Street ROW.	
16 October	2-person crew. Repaired existing posts at Bissanti property, installed posts at Davidow property, repaired various gates.	
17 October	Crew constructing gates in shop.	
18 October	Crew continued to work on gates (LBG not in field).	

Reported by: Samantha Hogan



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Centredale Manor Restoration Project Superfund Site

WEEKLY FIELD REPORT
21 OCTOBER THROUGH 25 OCTOBER, 2013

DATE	DESCRIPTION OF WORK	COMMENTS
21 October	No work.	
22 October	No work.	
23 October	No work.	
24 October	No work.	
25 October	No work.	

Reported by: Samantha Hogan



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Centredale Manor Restoration Project Superfund Site

WEEKLY FIELD REPORT
28 OCTOBER THROUGH 1 NOVEMBER, 2013

DATE	DESCRIPTION OF WORK	COMMENTS
28 October	No work.	
29 October	2-person crew. Installed wooden fence at Davidow and Bissanti properties.	
30 October	No work.	
31 October	No work.	
1 November	No work.	

Reported by: Samantha Hogan

Appendix E

As-Built Plans

CENTREDALE MANOR RESTORATION PROJECT

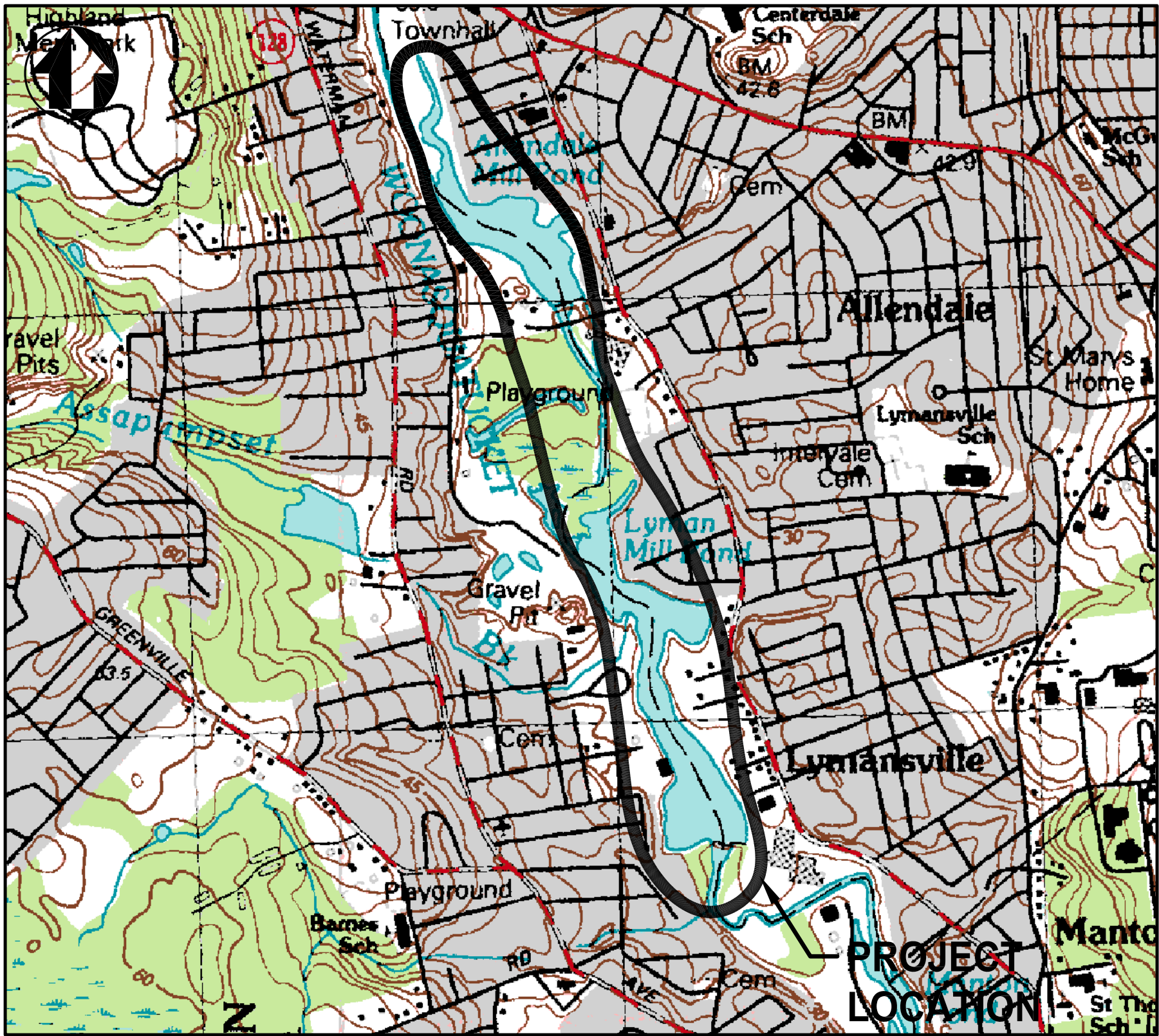
IMPLEMENTATION OF INTERIM REMEDIAL ACTION

ALLENDALE POND AND LYMAN MILL POND

NORTH PROVIDENCE, RHODE ISLAND



RHODE ISLAND DEPARTMENT OF
ENVIRONMENTAL MANAGEMENT



LOCATION MAP

Scale: 1" = 1000'

DRAWING LIST

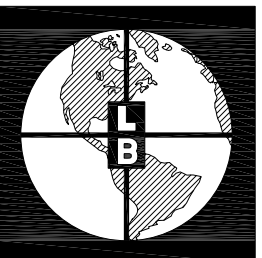
- G-1 GENERAL NOTES
- C-1 OVERALL SITE PLAN
- C-2 SITE PLAN (1 OF 10)
- C-3 SITE PLAN (2 OF 10)
- C-4 SITE PLAN (3 OF 10)
- C-5 SITE PLAN (4 OF 10)
- C-6 SITE PLAN (5 OF 10)
- C-7 SITE PLAN (6 OF 10)
- C-8 SITE PLAN (7 OF 10)
- C-9 SITE PLAN (8 OF 10)
- C-10 SITE PLAN (9 OF 10)
- C-11 SITE PLAN (10 OF 10)
- C-12 CIVIL DETAILS 1

CONSTRUCTION COMPLETE AS-BUILT FENCE SURVEY DOCUMENTATION PROVIDED BY WATERMAN ENGINEERING COMPANY

MAY 2013
REVISED JANUARY 2014

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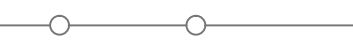
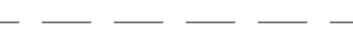


GENERAL NOTES

1. THIS CONTRACT GENERALLY INCLUDES THE FOLLOWING COMPONENTS: REMOVAL AND DISPOSAL OF EXISTING CHAIN LINK FENCING AND WOOD FENCING, THE INSTALLATION CHAIN LINK FENCING AND GATES, THE INSTALLATION OF WOOD FENCING AND GATES, REMOVAL OF DEBRIS MATERIAL, PLACEMENT OF CRUSHED STONE AND GEOTEXTILE FABRIC, AND THE PLACEMENT OF LOAM AND SEED.
2. THE CONTRACTOR SHALL REFER TO AND COORDINATE THE PROJECT REQUIREMENTS AS INDICATED ON THE CONTRACT DRAWINGS AND SPECIFICATIONS.
3. THE LIMITS OF CONSTRUCTION ARE INDICATED ON DRAWINGS AND GENERALLY DELINEATE THE LOCATIONS OF FENCING TO BE REMOVED, PROPOSED FENCING, CRUSHED STONE PLACEMENT AND LOAM/SEED PLACEMENT.
4. THE CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO PREVENT DAMAGE TO ADJACENT AND NEARBY STRUCTURES AND PROPERTY DURING CONSTRUCTION. ALL DAMAGE SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE AT NO ADDITIONAL COST TO THE RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT (RIDEM).
5. UNLESS OTHERWISE NOTED, ABOVE GROUND STRUCTURES AND FEATURES SHOWN ON THE DRAWINGS HAVE BEEN PLOTTED FROM AVAILABLE FIELD INFORMATION. THE CONTRACTOR SHOULD ANTICIPATE THAT THE LOCATION OF STRUCTURES, TREES, AND OTHER MISCELLANEOUS OBJECTS, THE EXISTENCE OF WHICH ARE PRESENTLY NOT KNOWN OR SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THEIR EXISTENCE AND EXACT LOCATION AND TO AVOID DAMAGE THERETO.
6. THE CONTRACTOR SHALL CALL "DIG SAFE" (TELEPHONE: 811) AT LEAST 72 HOURS (EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS) PRIOR TO ANY EXCAVATION.
7. NEW CONSTRUCTION FEATURES ARE SHOWN HEAVY LINED ON "SITE PLAN" DRAWINGS.
8. CONTRACTOR SHALL INSTALL FENCE USING GLOBAL POSITIONING SYSTEM (GPS) COORDINATE INFORMATION PROVIDED WITH THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL UTILIZE GPS LOCATION BASED ON EQUIPMENT CAPABLE OF ACHIEVING SUB-FOOT LEVEL ACCURACY SUCH AS A TRIMBLE GEO 3000 XH, OR EQUIVALENT, FOR DETERMINING LOCATIONS IN THE FIELD. LOCATIONS OF FENCE TURNING POINTS AND END POINTS SHALL BE LOCATED USING GPS COORDINATES.
9. FENCE POSTS SHALL TYPICALLY BE PNEUMATICALLY OR HYDRAULICALLY DRIVEN BY HANDHELD EQUIPMENT, BUT DIRECTION SHALL BE GIVEN BY THE RESIDENT INSPECTOR FOR POST USING CONCRETE POST FOOTING IN THE FIELD ON A CASE BY CASE BASIS.
10. PLACEMENT OF CRUSHED STONE AT 41 STEERE AVENUE TO CONSIST OF LAYER OF 3/4" CRUSHED STONE PLACED 6" THICK OVER MIRAFI 140N OR APPROVED EQUAL, NON-WOVEN GEOTEXTILE FABRIC. EXISTING SURFACE OF SUBGRADE TO BE GRADED SMOOTH PRIOR TO PLACEMENT OF FABRIC.

LEGEND

EXISTING

EXISTING CHAIN LINK FENCE	
EXISTING WOODEN FENCE	
PROPERTY LINE	
EDGE OF PAVEMENT	
EXISTING BUILDING	
FLOOD PLAIN	

ABBREVIATIONS

APPROX.	APPROXIMATELY
L.F	LINEAR FEET
L&S	LOAM AND SEED
M&P	MAINTAIN AND PROTECT
R&D	REMOVE AND DISPOSE
S.F.	SQUARE FEET
TYP.	TYPICAL

1

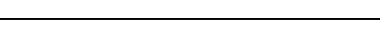
CONSTRUCTION COMPLETE AS-BUILT LEGEND	
INSTALLED CHAIN LINK FENCE	
INSTALLED WOODEN FENCE	
INSTALLED GATE	 GATE
INSTALLED SIGN	 SIGN
INSTALLED LOAM AND SEED	
INSTALLED CRUSHED STONE	
FENCE REMOVED AND DISPOSED	
FENCE REPAIRED	

Table 1 - Gate Locations

Contact / Name	Site Address	Gate				Comment
		Chain Link	Green Vinyl	Double Gate	Wood	
Town of North Providence	Grover St ROW	1				Remove existing fence (chain link), remove debris
Suzanne & Paul LaPlume	39 Redfern St	1				Remove existing fence (stockade & chainlink), remove tree, move playhouse
Town of North Providence	Stevens St ROW	1				Replace chain link fence, clear vegetation
Leslie Drozdowski	21 Aldrich St	1				Remove existing fence (chain link, in water)
Town of North Providence	Aldrich St ROW	1				Remove existing fence (chain link, in water)
Town of North Providence	Centerdale Ave ROW	1				Unregistered vehicle may need to be moved
Christopher and Michelle Dunn	578 Woonasquatucket Ave			1		Remove existing fence, double gate
Gordon & Leona Gibau	566 1/2 Woonasquatucket Ave	1				Remove existing fence, minor brush clearing
Mary Jane Davidow	524 Woonasquatucket Ave				1	Remove existing fence (wood)
Michael and Carol Bissanti	518 Woonasquatucket Ave				1	Reuse metal posts if possible, remove debris
Alice Richardson	512 Woonasquatucket Ave	1				Remove existing fence (wood)
Carmen Nunez	23 Maple Ave	1				Clear vegetation and remove debris, confirm fence location with owner
Town of North Providence	Zambarano Ave ROW	1				
Mary & Richard McCoy	18 Falco St	1				Remove existing fence (snow)
Anthony Campenelli	16 Falco St	1				
Lawrence Cinquegrana	14 Falco St			1		Install double gate
Phyllis Minutelli	12 Falco St			1		Install double gate for rowboat
Rhonda Simmons	10 Falco St	1				Remove existing fence (wood)
Beverly Jesuino	318-320 Woonasquatucket Ave	1				Remove existing fence (wood)/4' new chain link
Nelly Shiranian	306 Woonasquatucket Ave		2			Install two gates, remove existing fence (chainlink), use green vinyl
River's Edge Condominium/Rick McCluskie	1 Eric Pl	1				
TOTAL		15	2	3	2	

1

AS-BUILT NOTES ON GATES

1. TWO DOUBLE GATES INSTALLED AT 578 WOONASQUATUCKET AVENUE.
2. WOODEN GATE AT 518 WOONASQUATUCKET AVENUE WAS DOUBLE GATE.
3. GATE ADDED AT 41 STEVENS STREET.
4. NO GATE INSTALLED AT STEVENS STREET RIGHT-OF-WAY.
5. ONE GATE INSTALLED AT 306 WOONASQUATUCKET AVENUE.
6. ONE GATE ADDED TO WATER STREET RIGHT-OF-WAY.
7. NO GATE INSTALLED AT 12 FALCO STREET.

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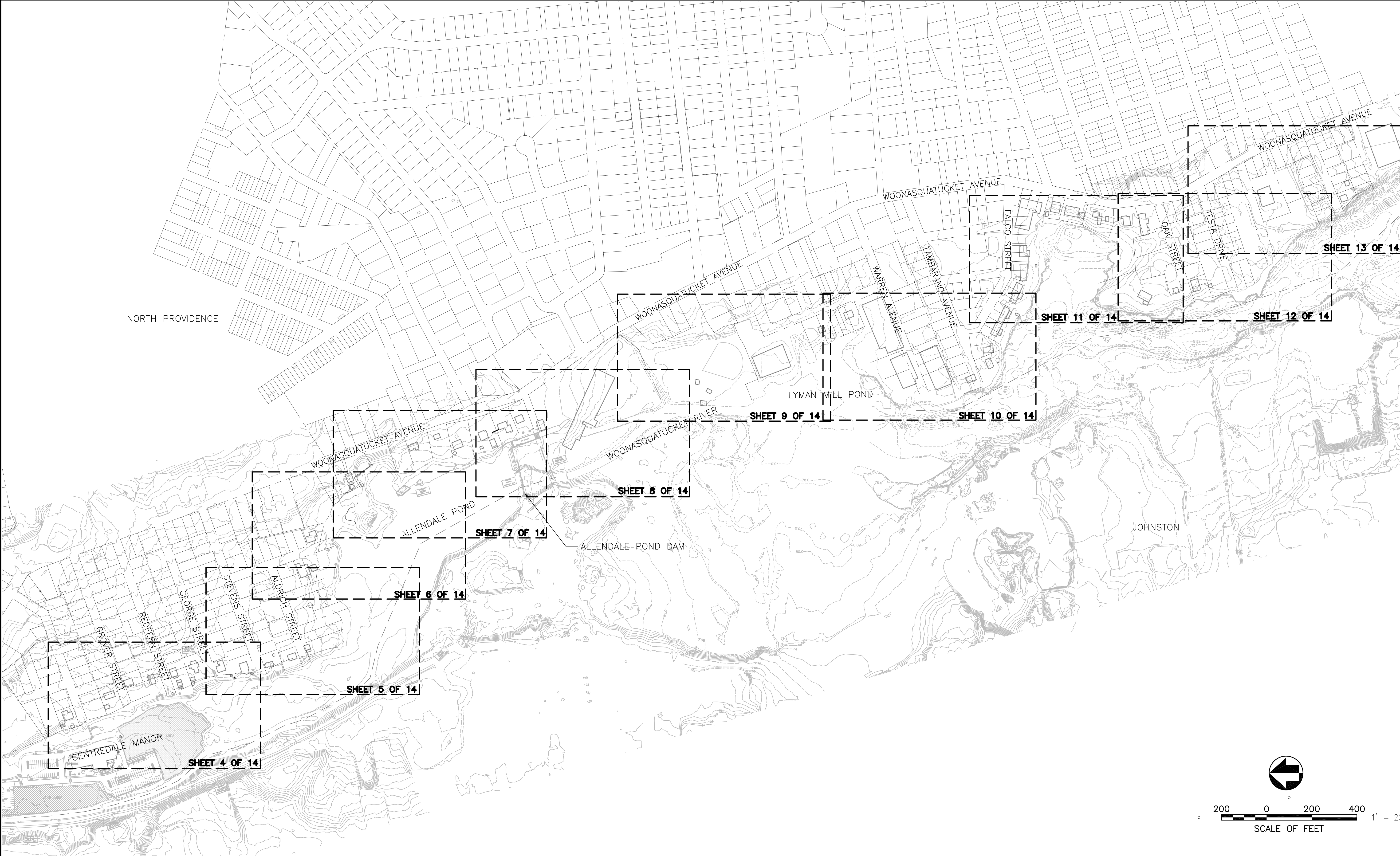
RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

DRAWN BY: C. LUPPINO
DEPT CHECK: C. FEENEY
PROJECT CHECK: C. CARLISLE

CENTREDALE MANOR RESTORATION, NORTH PROVIDENCE, RI
CONSTRUCTION COMPLETE AS-BUILT, JANUARY 2014

GENERAL NOTES

RIDEM PROJ. No. TBD
G-1
SHEET 2 OF 14



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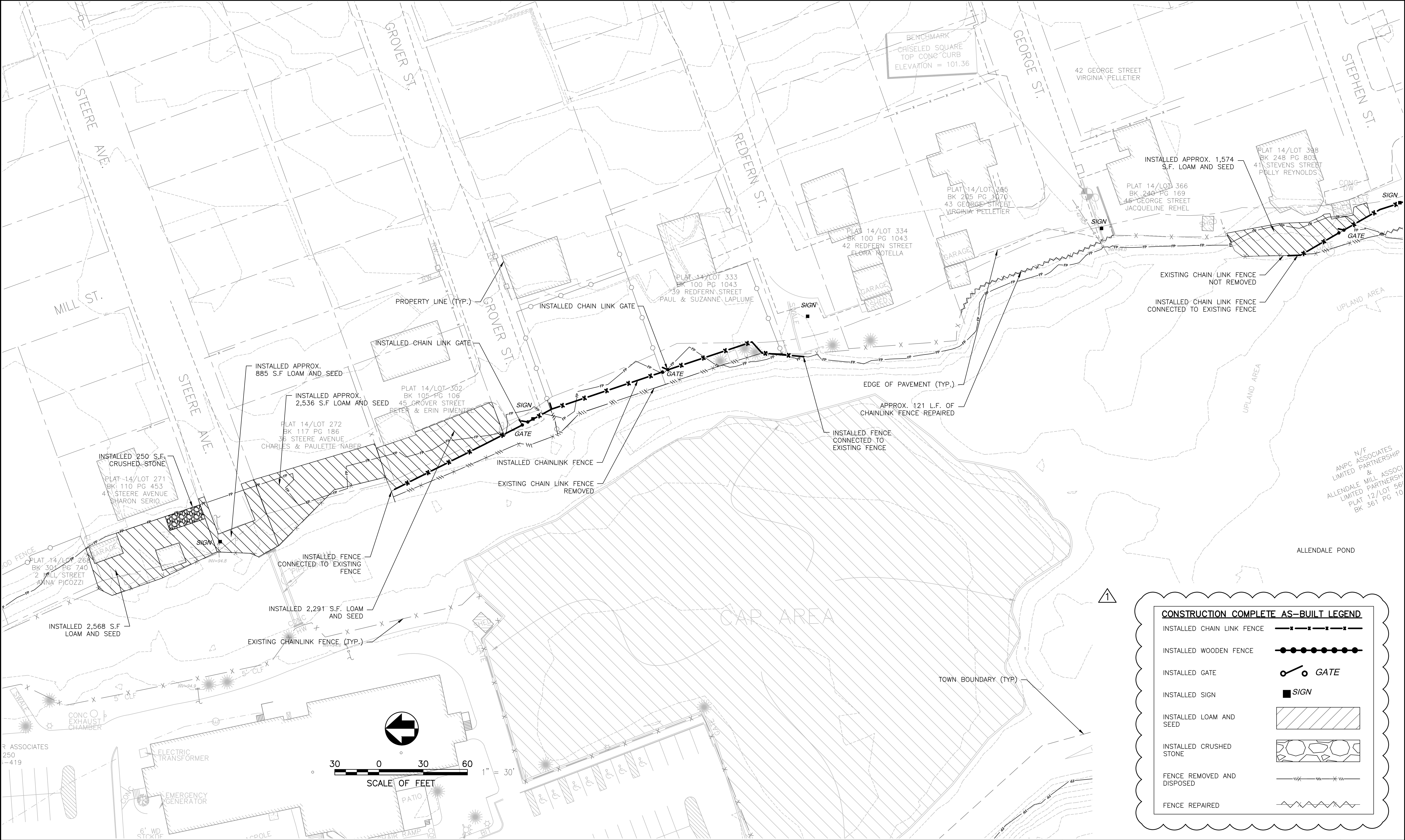
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CONSTRUCTION COMPLETE AS-BUILT, JANUARY 2014

OVERALL SITE PLAN

RIDEM PROJ. No. TBD
C-1
SHEET 3 OF 14



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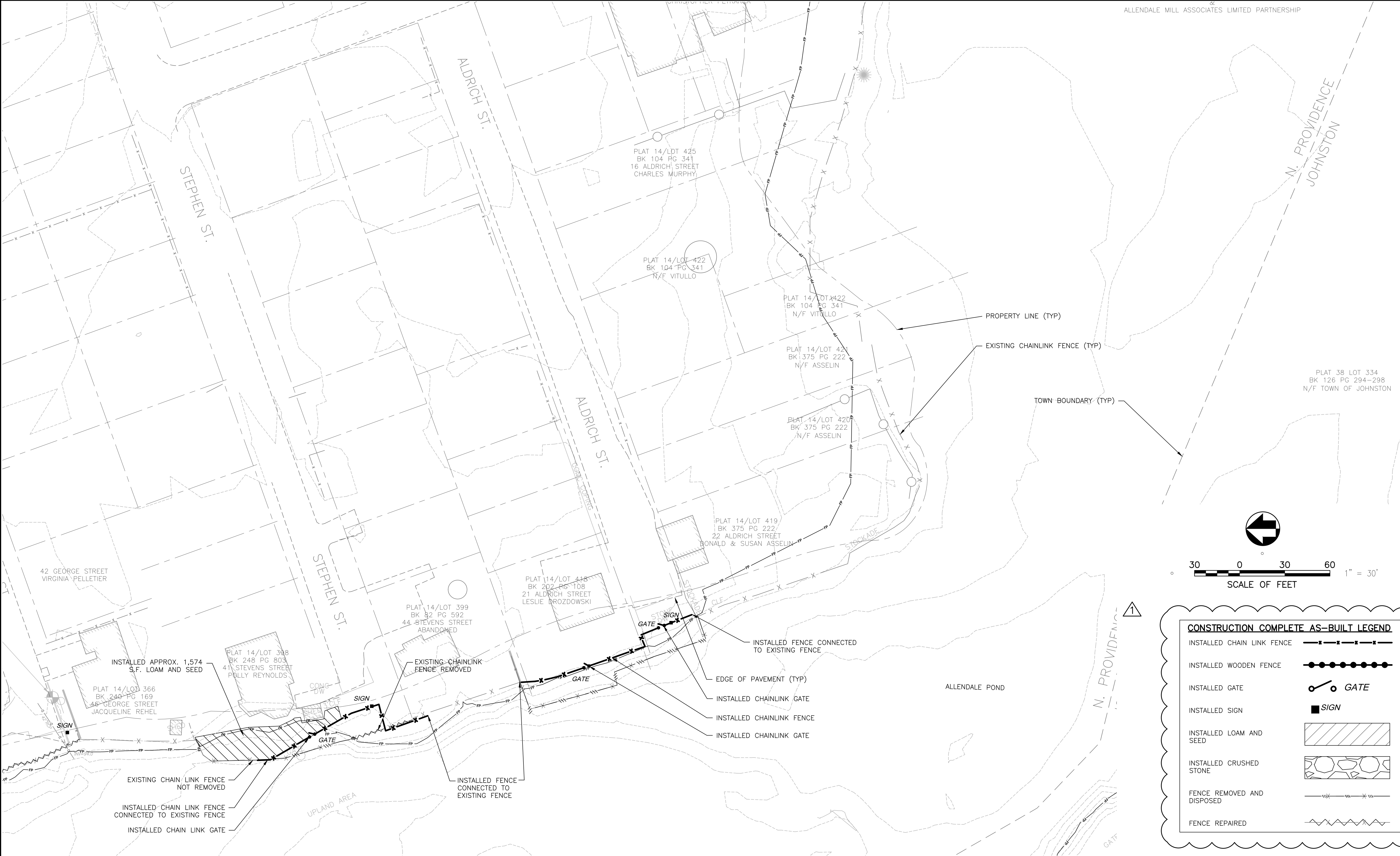
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CONSTRUCTION COMPLETE AS-BUILT, JANUARY 2014

SITE PLAN
1 OF 10

RIDEM PROJ. No.
TBD
C-2
SHEET
4 OF 14



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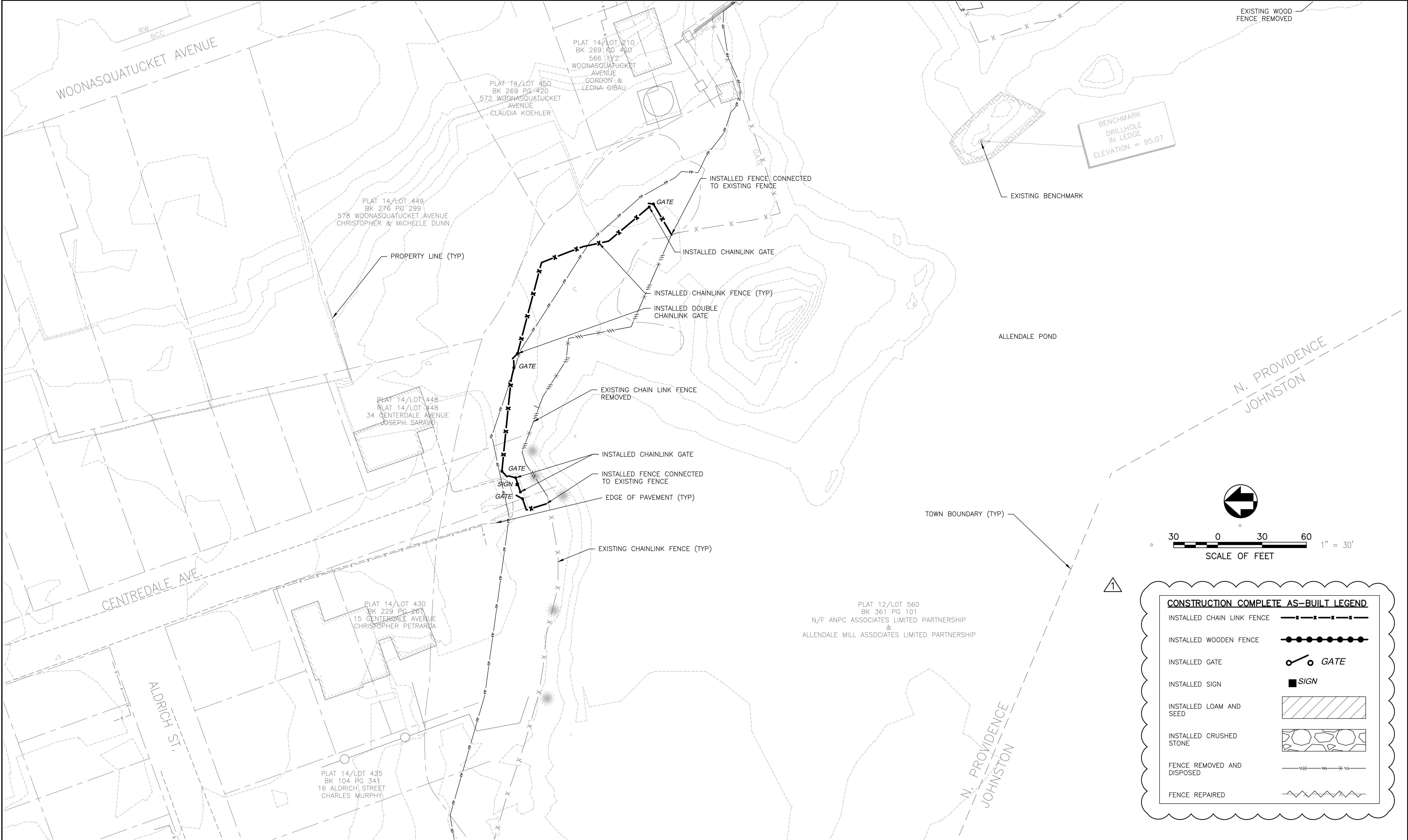
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CONSTRUCTION COMPLETE AS-BUILT, JANUARY 2014

SITE PLAN
2 OF 10

RIDEM PROJ. No.
TBD
C-3
SHEET
5 OF 14



NUMBER	DATE	MADE BY	CHECKED BY	REVISIONS DESCRIPTION
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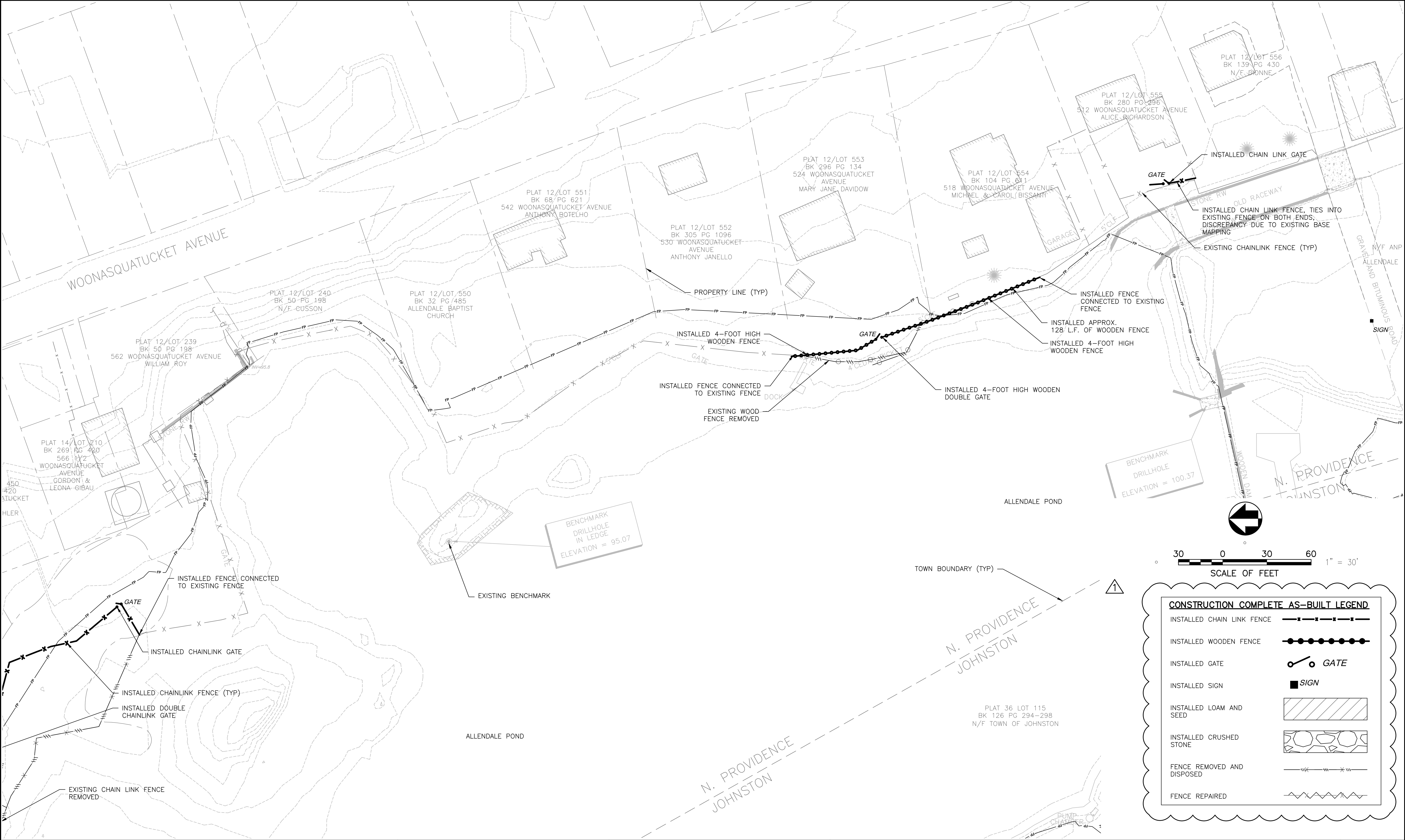
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CONSTRUCTION COMPLETE AS-BUILT, JANUARY 2014

SITE PLAN
3 OF 10

RIDEM PROJ. No.
TBD
C-4
SHEET
6 OF 14



CONSTRUCTION COMPLETE AS-BUILT LEGEND

- INSTALLED CHAIN LINK FENCE
- INSTALLED WOODEN FENCE
- INSTALLED GATE
- INSTALLED SIGN
- INSTALLED LOAM AND SEED
- INSTALLED CRUSHED STONE
- FENCE REMOVED AND DISPOSED
- FENCE REPAIRED

NUMBER	DATE	MADE BY	CHECKED BY	REVISIONS DESCRIPTION
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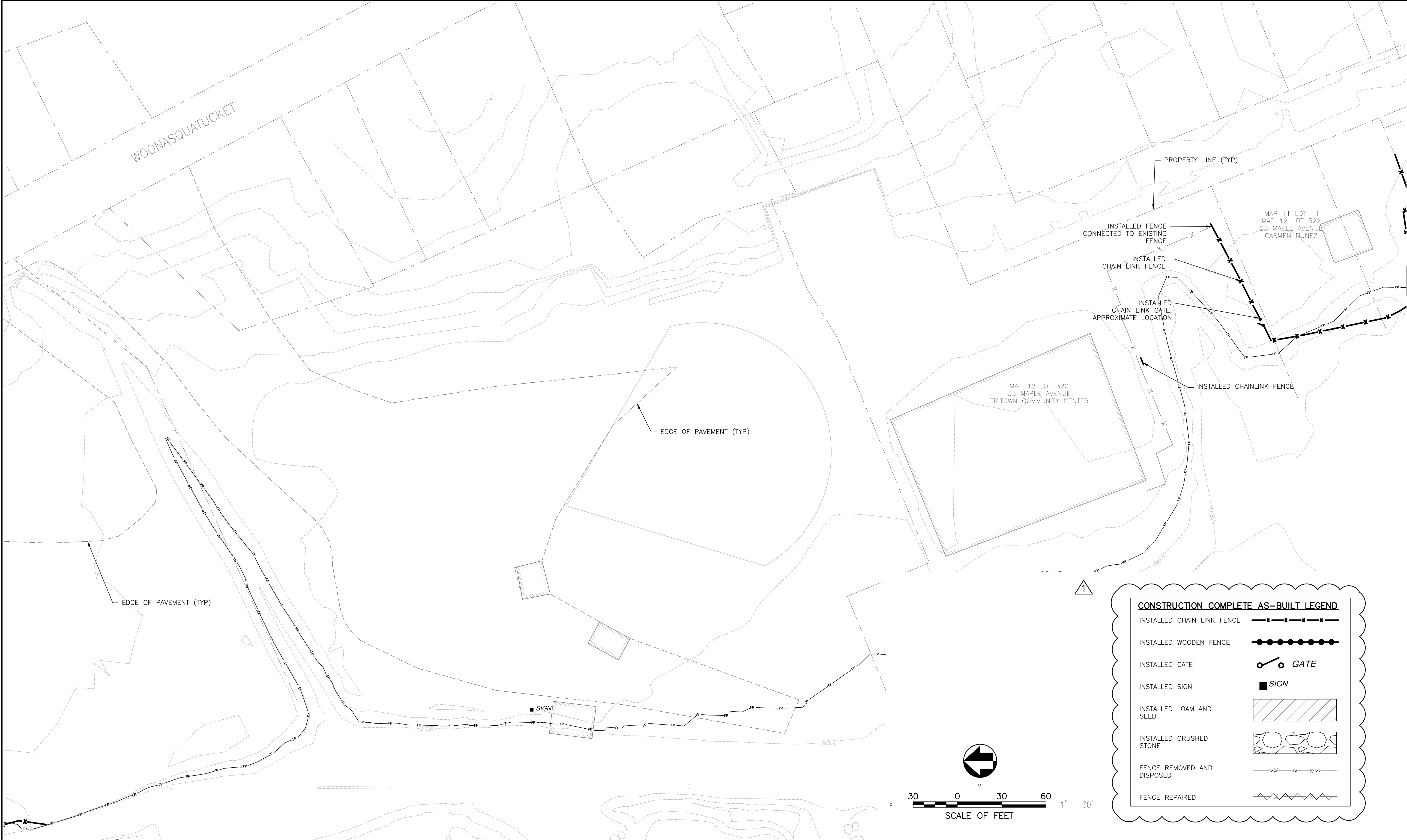
SITE PLAN
4 OF 10

RIDEM PROJ. No. TBD
C-5
SHEET 7 OF 14

RIDEM PROJ. No.
TBD

C-6

SHEET
8 OF 14



CONSTRUCTION COMPLETE AS-BUILT LEGEND

INSTALLED CHAIN LINK FENCE	
INSTALLED WOODEN FENCE	
INSTALLED GATE	
INSTALLED SIGN	
INSTALLED LOAM AND SEED	
INSTALLED CRUSHED STONE	
FENCE REMOVED AND DISPOSED	
FENCE REPAIRED	

NUMBER	DATE	MADE BY	CHECKED BY	REVISIONS DESCRIPTION
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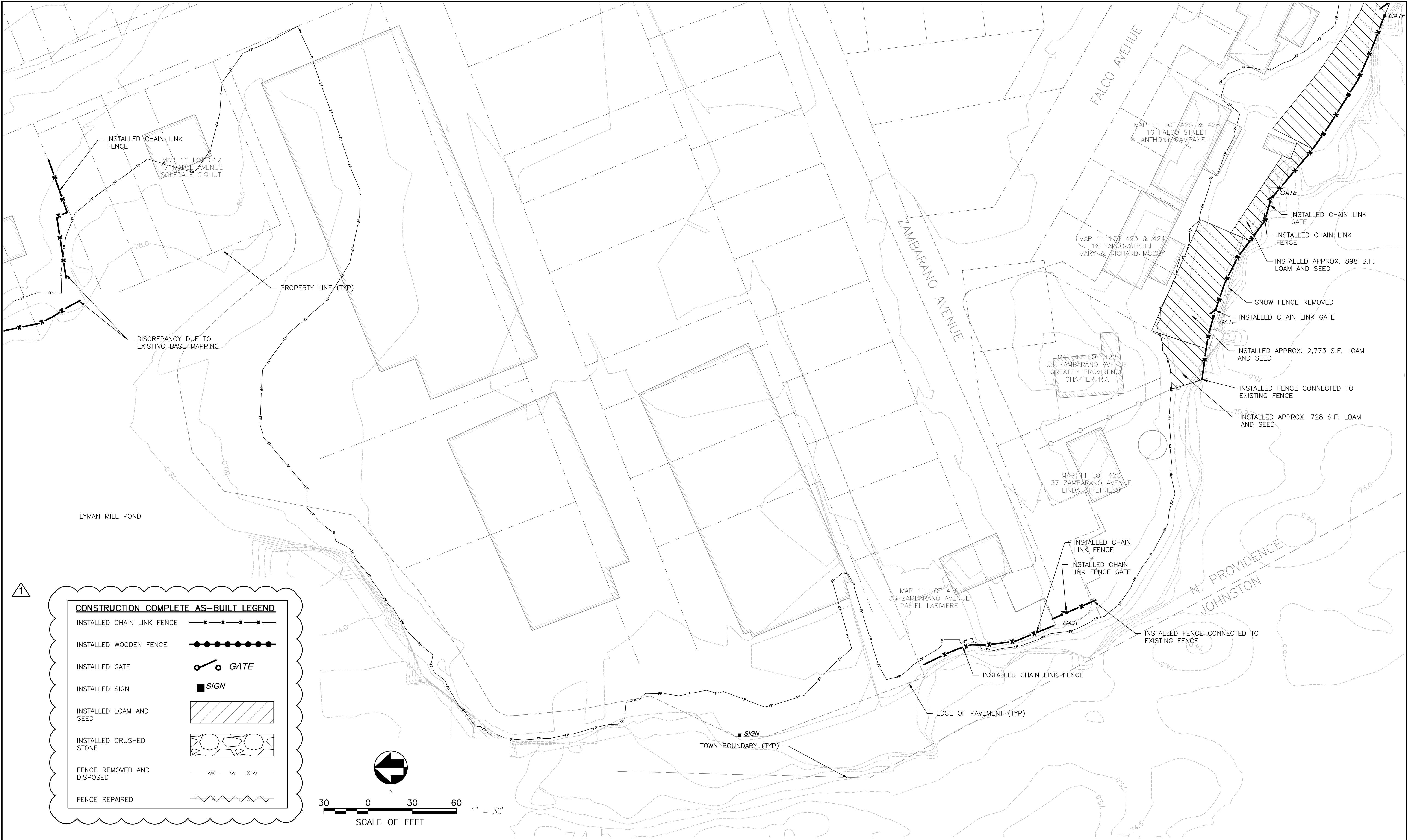
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CONSTRUCTION COMPLETE AS-BUILT, JANUARY 2014

SITE PLAN
6 of 10

RIDEM PROJ. No.
TBD
C-7
SHEET
9 OF 14



NUMBER	DATE	MADE BY	CHECKED BY	REVISIONS DESCRIPTION
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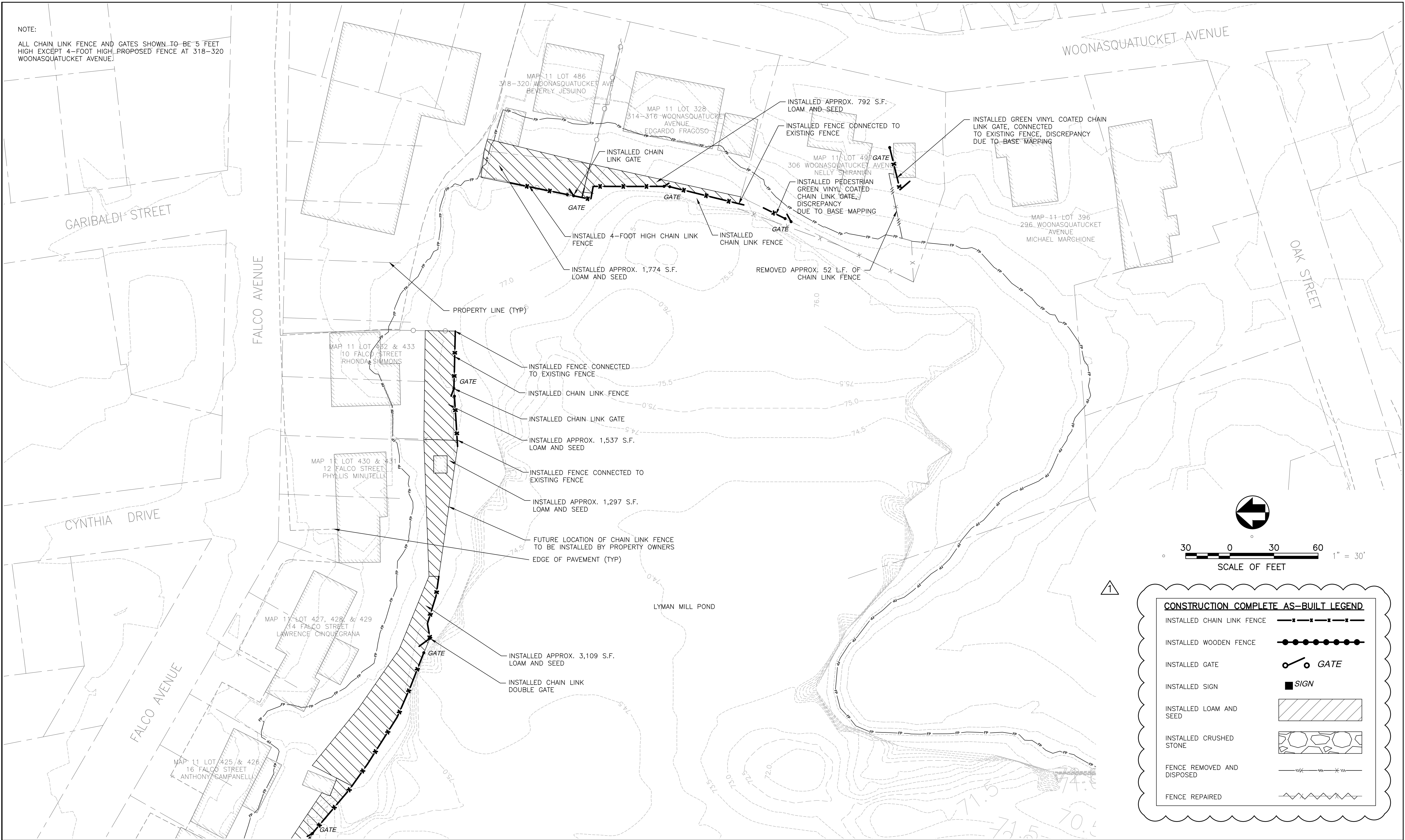
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CONSTRUCTION COMPLETE AS-BUILT, JANUARY 2014

SITE PLAN
7 OF 10

RIDEM PROJ. No.
TBD
C-8
SHEET
10 OF 14

NOTE:
ALL CHAIN LINK FENCE AND GATES SHOWN TO BE 5 FEET HIGH EXCEPT 4-FOOT HIGH PROPOSED FENCE AT 318-320 WOONASQUATUCKET AVENUE.



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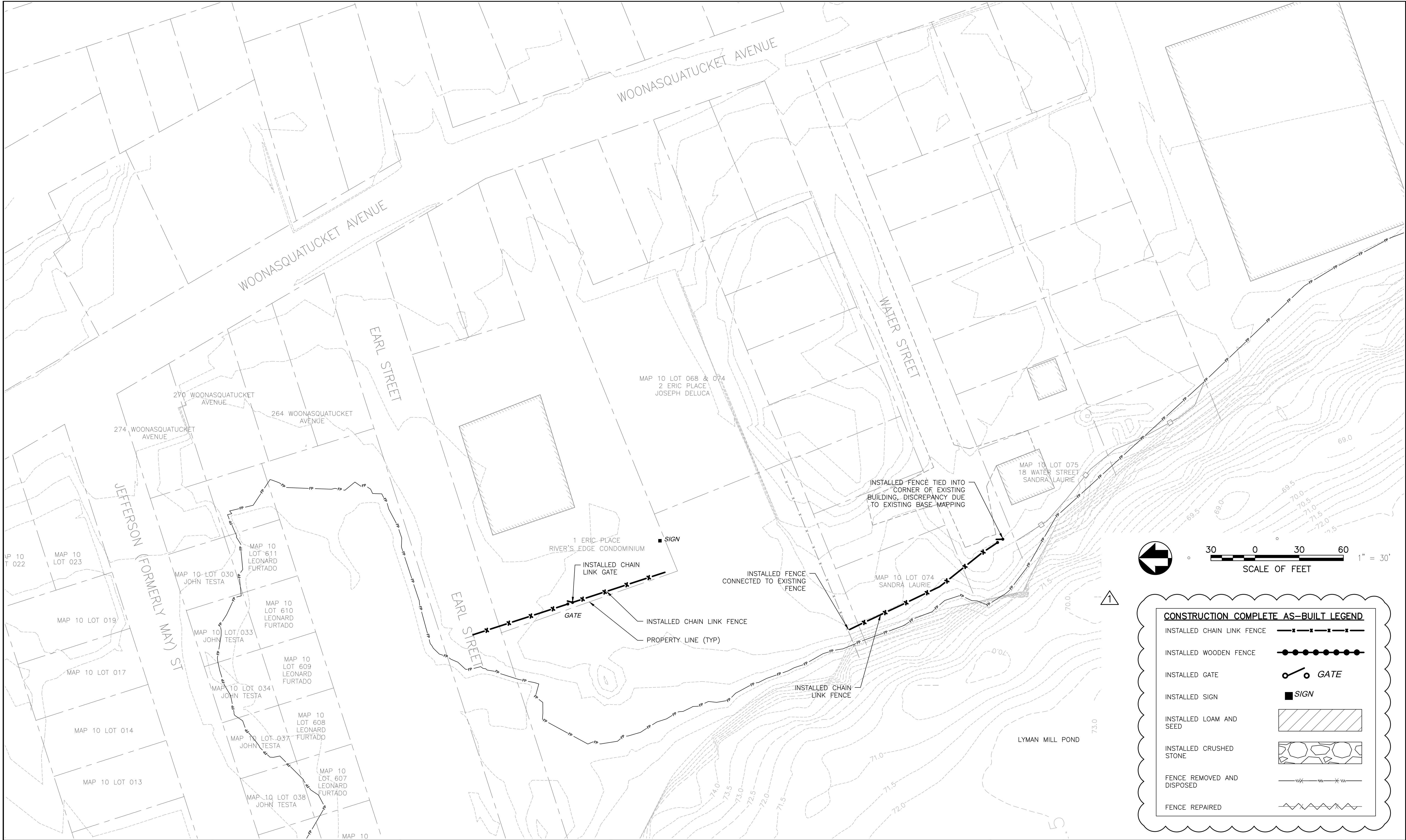
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CENTREDALE MANOR RESTORATION, NORTH PROVIDENCE, RI
CONSTRUCTION COMPLETE AS-BUILT, JANUARY 2014

SITE PLAN
8 OF 10

RIDEM PROJ. No.
TBD
C-9
SHEET
11 OF 14



NUMBER	DATE	MADE BY	CHECKED BY	REVISIONS DESCRIPTION
1	01/2014	CLUPPINO	CCARLISLE	AS-BUILT SURVEY DOCUMENTATION

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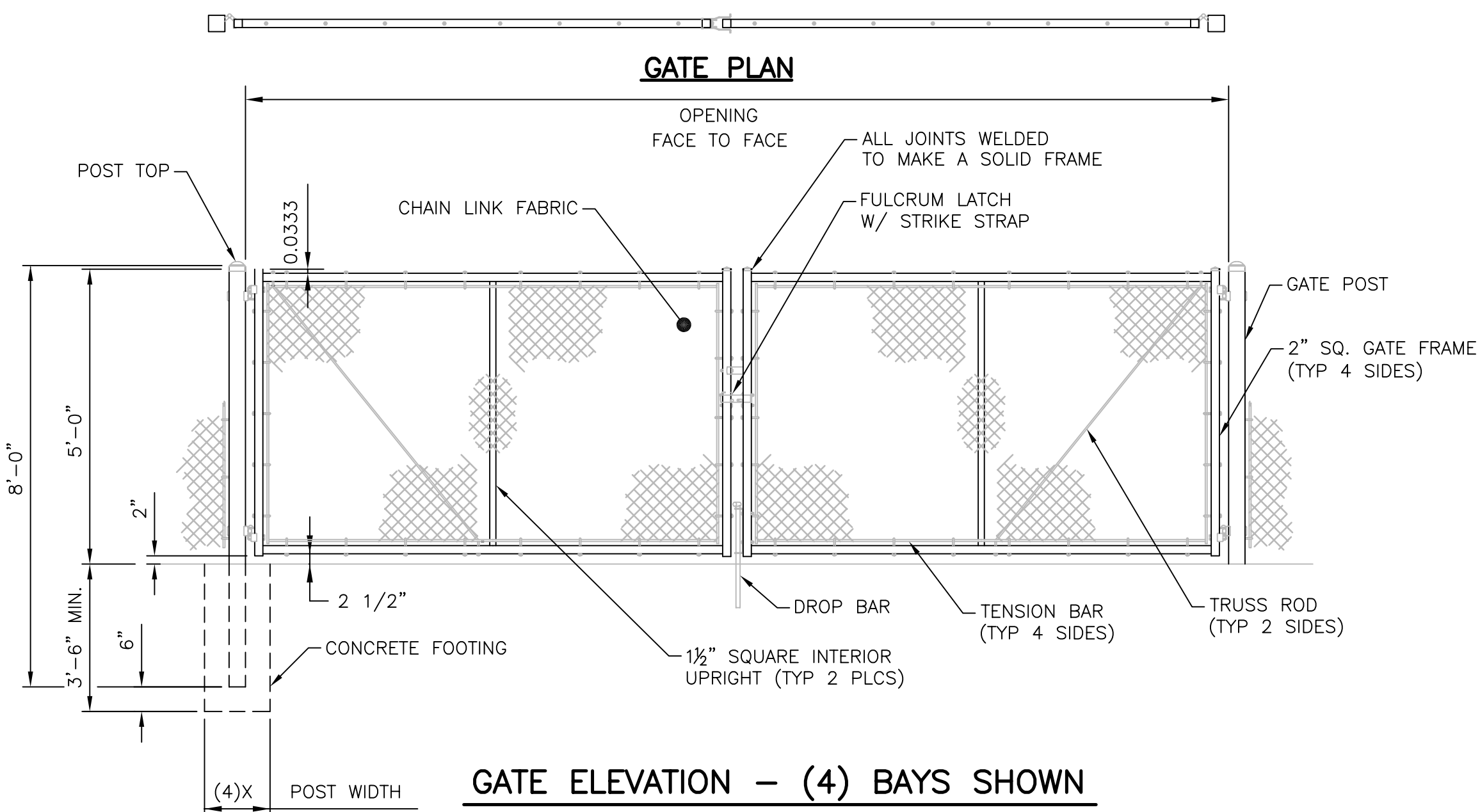
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PROJECT CHECK:
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CENTREDALE MANOR RESTORATION, NORTH PROVIDENCE, RI
CONSTRUCTION COMPLETE AS-BUILT, JANUARY 2014

SITE PLAN
10 OF 10

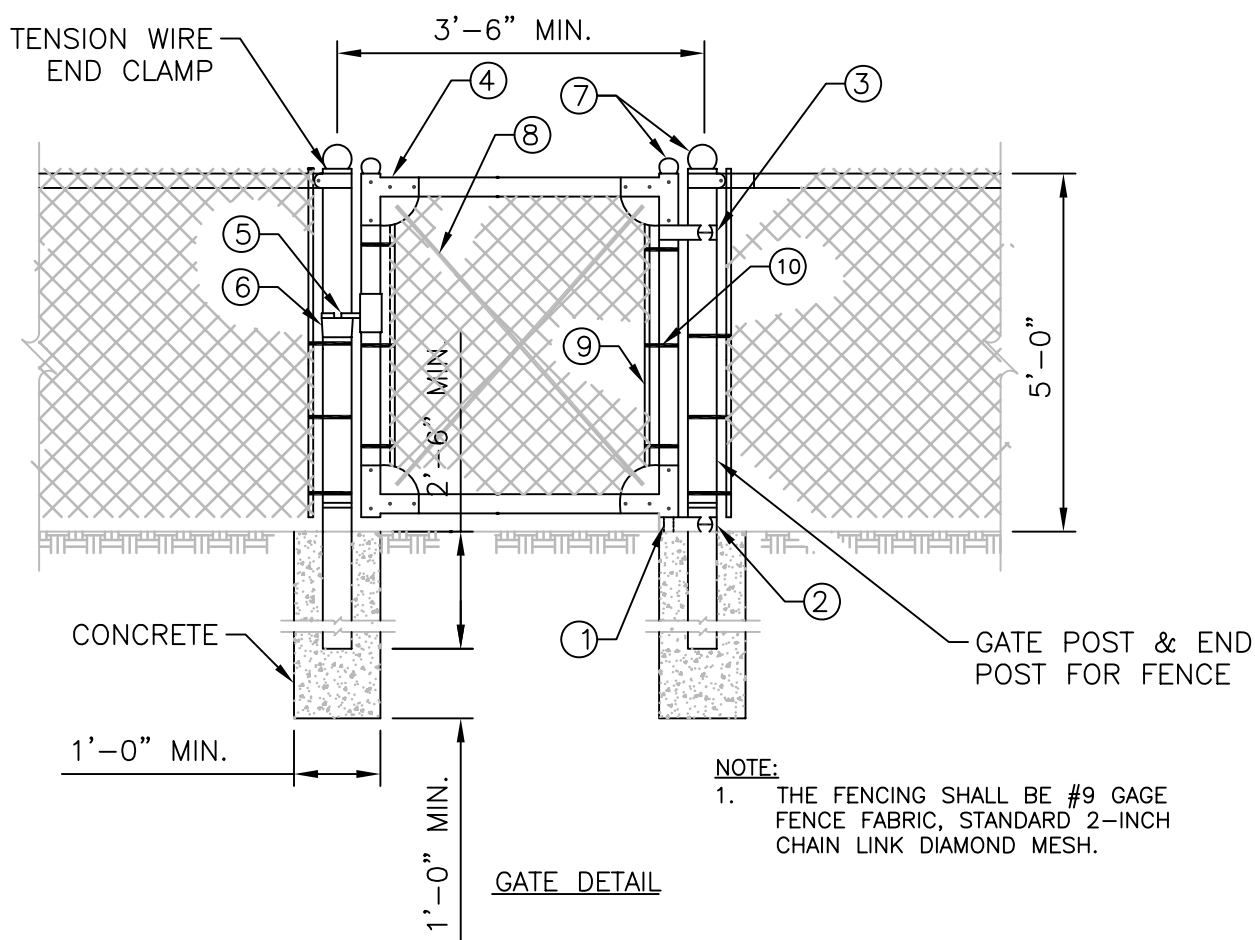
RIDEM PROJ. No.
TBD
C-11
SHEET
13 OF 14

END & CORNER POST TOP OPTIONS
FLAT

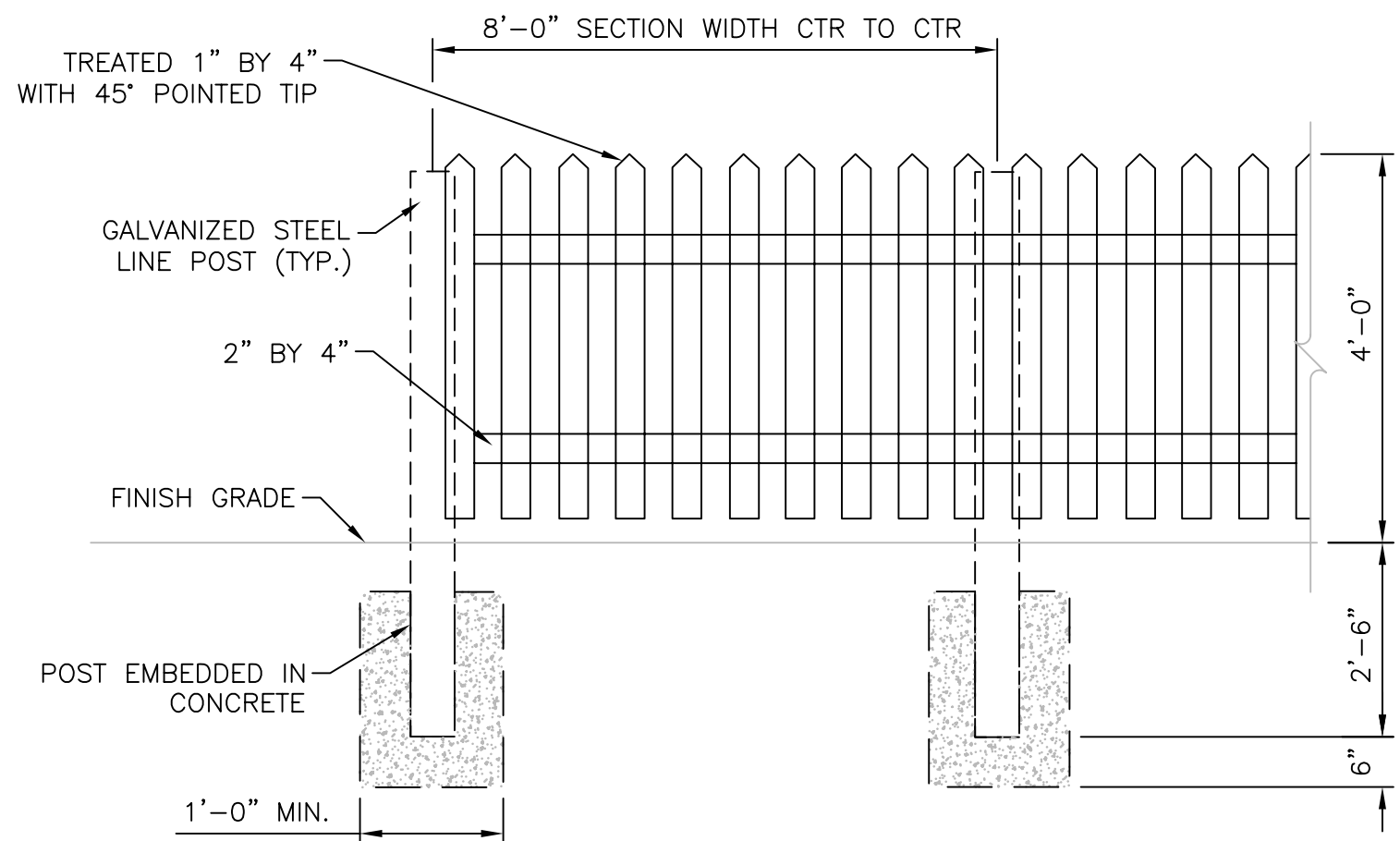
GATE ELEVATION - (4) BAYS SHOWN

1 DOUBLE SWING GATE (TYP.)
(10'-0" WIDTH)



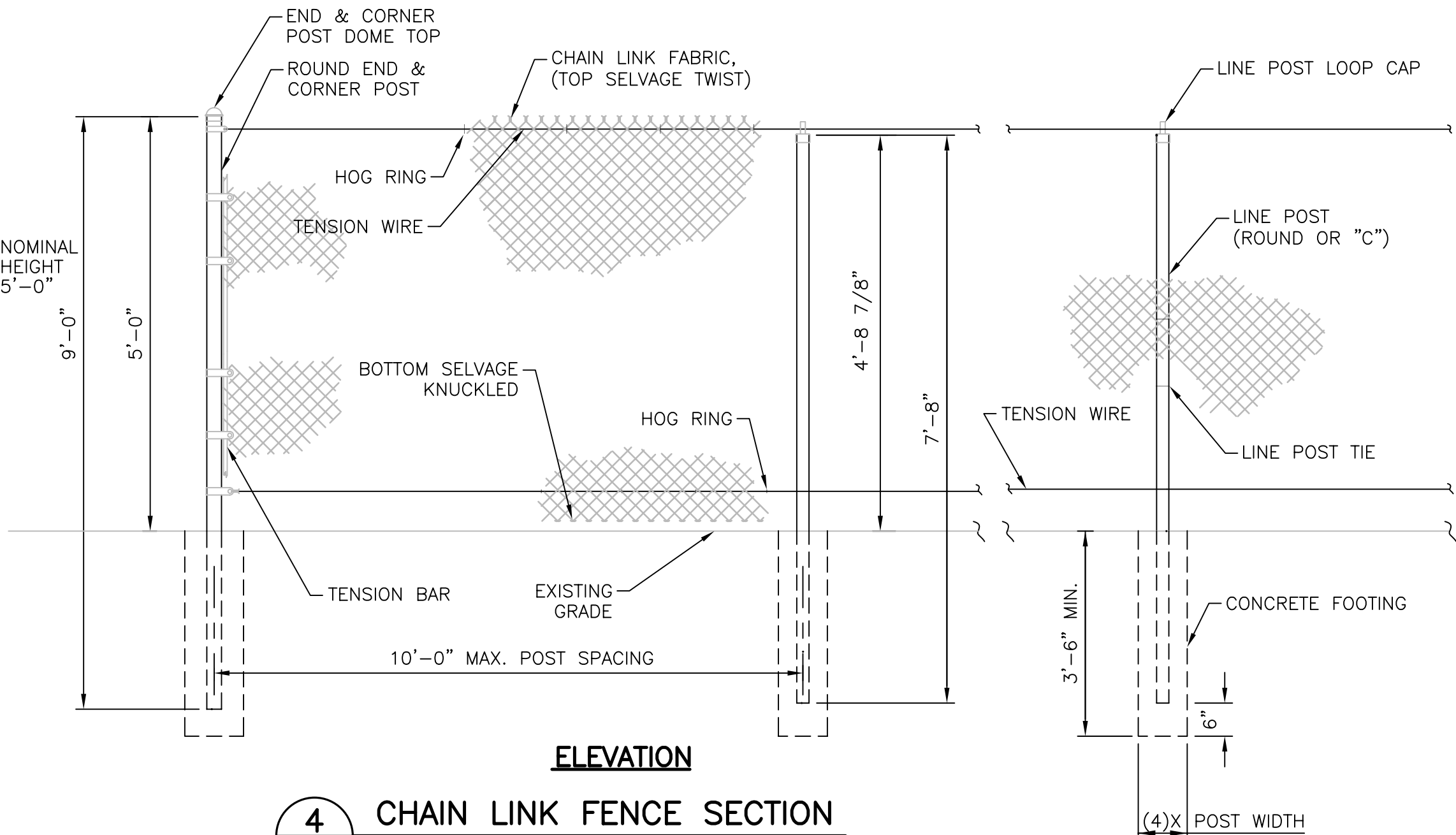
LEGEND		
PART NO.	DESCRIPTION	QUANTITY
1	STRAIGHT PLUG	1
2	BOTTOM HINGE	1
3	TOP HINGE	1
4	CORNER ELBOW	4
5	LATCH FORK	1
6	FORK CATCH	1
7	ORNAMENTAL TOPS	4
8	TRUSS RODS	2
9	STRETCHER BAR	2
10	HOOK BOLTS	6

2 PEDESTRIAN CHAIN LINK FENCE GATE
NOT TO SCALE



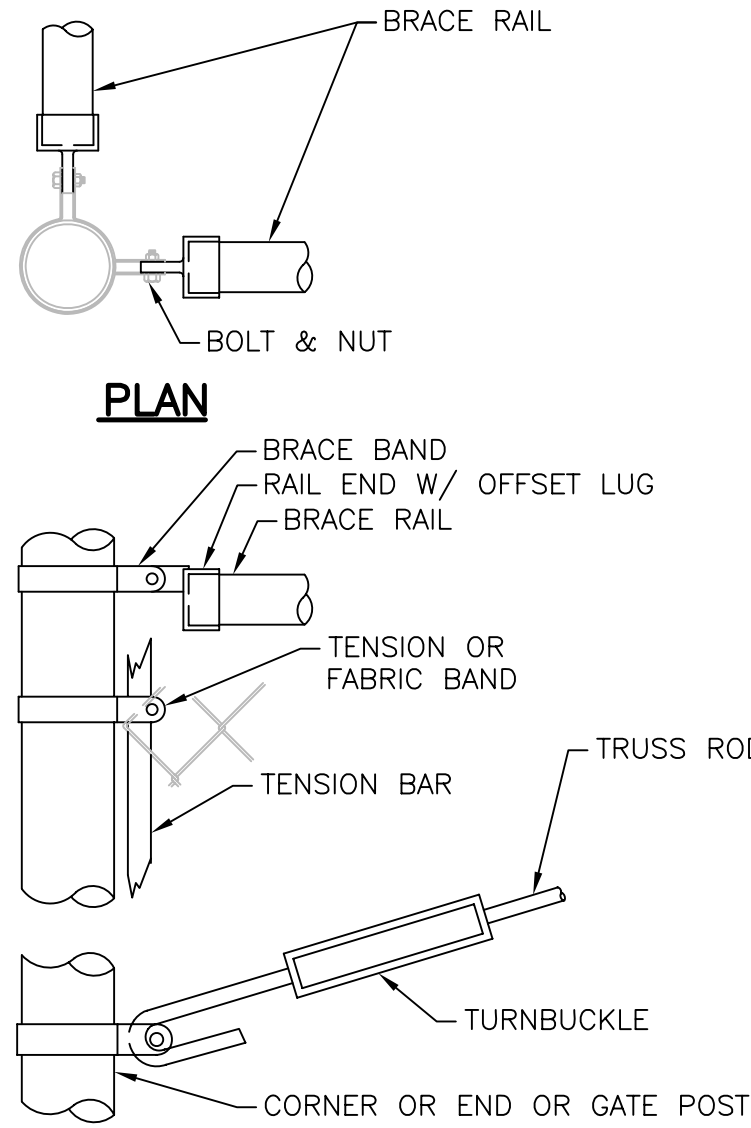
- NOTES:
1. ALL WOOD FENCING TO BE NATURAL WOOD WITH WOOD PRESERVATIVE COATING.
 2. DIMENSIONS SHOWN ARE NOMINAL FOR WOOD.
 3. BOARDS FOR PICKET FENCE TO BE AS SHOWN OR TYPICAL 3" WIDTH WITH 2" SPACING

3 WOODEN FENCE DETAIL
NOT TO SCALE



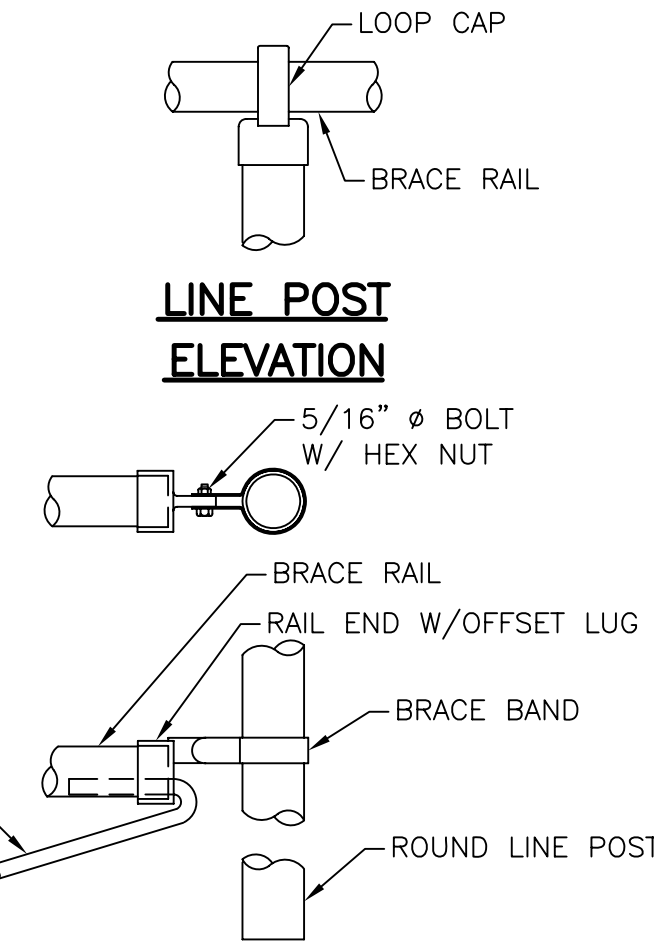
ELEVATION

4 CHAIN LINK FENCE SECTION
NOT TO SCALE



ELEVATION

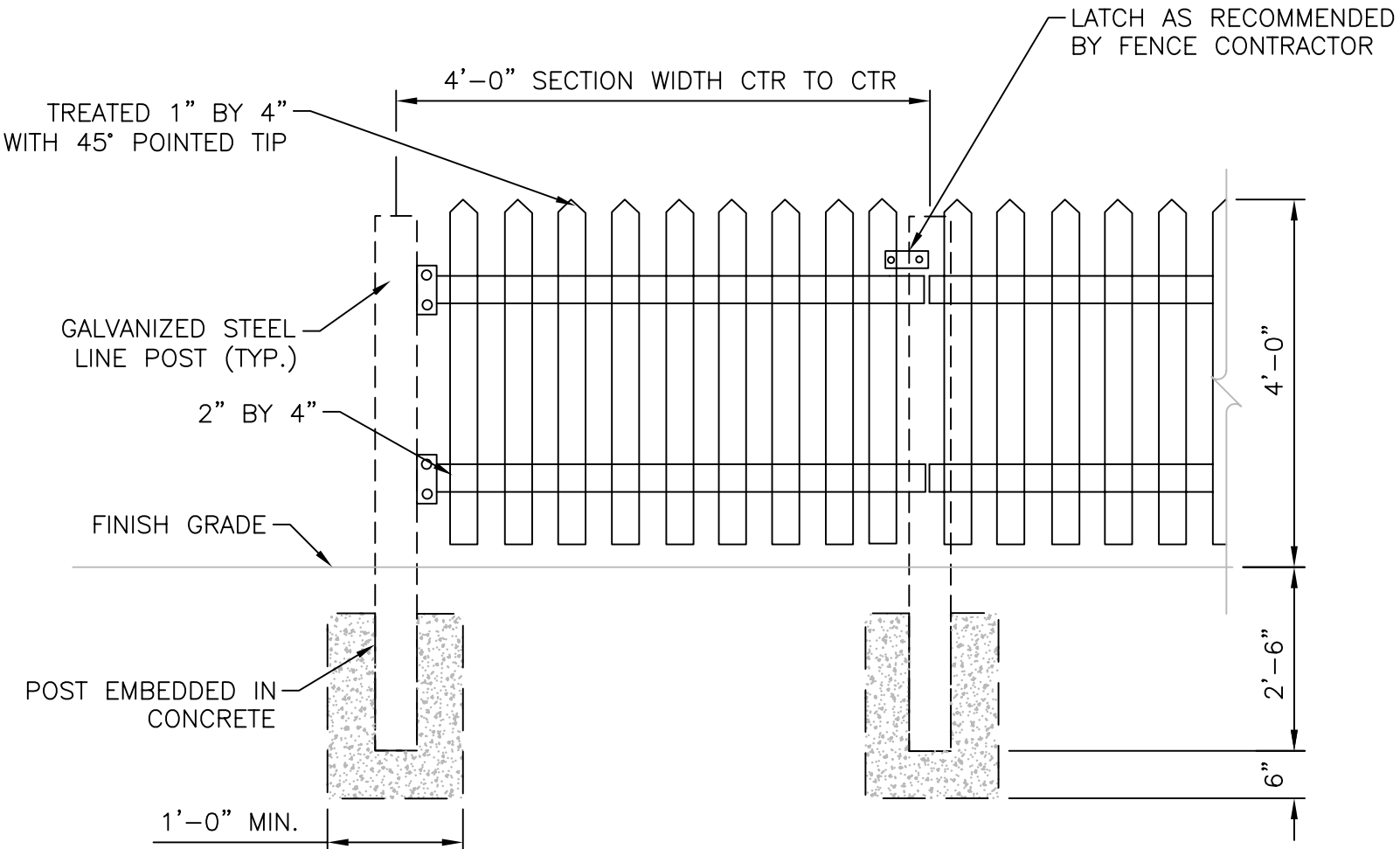
5 END, CORNER, OR GATE POSTS
NOT TO SCALE



LINE POST ELEVATION

TERMINAL POST ELEVATION

6 ROUND TERMINAL POSTS
NOT TO SCALE



- NOTES:
1. ALL WOOD FENCING TO BE NATURAL WOOD WITH WOOD PRESERVATIVE COATING.
 2. DIMENSIONS SHOWN ARE NOMINAL FOR WOOD.
 3. BOARDS FOR PICKET FENCE TO BE AS SHOWN OR TYPICAL 3" WIDTH WITH 2" SPACING

7 WOODEN FENCE GATE DETAIL (TYP.)
NOT TO SCALE

END & CORNER POST TOP	TOP & BOTTOM FABRIC OPTIONS	
DOME	TOP SELVAGE TWIST	BOTTOM SELVAGE KNUCKLED
		

- NOTES:
1. ALL MATERIAL TO CONFORM TO FEDERAL SPEC RR-F-191G (1-25-74).
 2. ALL GALVANIZED FITTINGS TO CONFORM TO ASTM-A153.
 3. CENTER UPRIGHT REQUIRED ON GATE LEAVES 8'-0" & WIDER.
 4. FOOTING WIDTH TO BE (4)X POST WIDTH.
 5. GATES WILL BE MANUALLY OPERATED.
 6. ALL CHAIN LINK FENCING AND GATES TO BE HEIGHT AS SHOWN, UNLESS SPECIFICALLY STATED AS OTHERWISE ON SITE PLAN DRAWINGS

NUMBER	DATE	MADE BY	CHECKED BY	REVISIONS DESCRIPTION
1	01/2014	CLUPPINO	CCARLISLE	AS-BUILT SURVEY DOCUMENTATION

The LOUIS BERGER GROUP, Inc.



RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

DRAWN BY:
C. LUPPINO
DEPT CHECK:
C. FEENEY
PROJECT CHECK:
C. CARLISLE

CENTREDALE MANOR RESTORATION, NORTH PROVIDENCE, RI
CONSTRUCTION COMPLETE AS-BUILT, JANUARY 2014

CIVIL DETAILS 1

RIDEM PROJ. No.
TBD

C-12

SHEET
14 OF 14

Appendix F

Sign Locations

