

**SITE PLAN REVIEW APPLICATION PACKAGE FOR
GREENVILLE HOUSE PRC PROJECT
21 CHAMBERLIN STREET
TAX MAP 5, LOT 132 & 132-1
GREENVILLE, NEW HAMPSHIRE
HILLSBOROUGH COUNTY**

OCTOBER 25TH, 2022 – AMENDED IN DECEMBER 2022

PREPARED FOR:

TOWN OF GREENVILLE
ATTN: PLANNING BOARD
46 MAIN STREET, PO BOX 343
GREENVILLE, NEW HAMPSHIRE 03048



PREPARED BY:

ECKMAN ENGINEERING, LLC
1950 LAFAYETTE ROAD, SUITE 210, PO BOX 8025
PORTSMOUTH, NEW HAMPSHIRE 03801



October 25th, 2022

Town of Greenville
Attn: Planning Board
46 Main Street, PO Box 343
Greenville, NH 03048

Re: Site Plan Review Application Package for
Greenville House PRC Project
21 Chamberlin Street
Tax Map 5, Lot 132 & 132-1
Greenville, New Hampshire

To Members of the Planning Board:

Attached, find an application and associated documents for site plan review approval for the above referenced project. Georges Realty (Applicant), has contracted with Eckman Engineering, LLC (Engineer) to develop site plan drawings, engineering analysis, and other documents associated to obtain approval of the proposal.

The applicant desires to construct the Greenville House Process Rehabilitation Center (PRC) which will function as a substance use disorder treatment facility. The Greenville House PRC will meet the Town of Greenville's Zoning and Site Plan requirements, as well as all necessary state and federal permit provisions.

If you have any questions or require additional information please do not hesitate to contact me.

Yours Truly,

A handwritten signature in black ink that reads "David Eckman". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

David E. Eckman, PE
Principal Engineer/Authorized Agent

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PROJECT DIRECTORY

PROJECT TEAM	
Owner	McKenan Properties, LLC 100 Carl Drive, Unit 8 Manchester, NH 03103
Applicant	Georges Realty, LLC 100 Carl Drive, #11A Manchester, NH 03103 Contact: Wilsony B. Georges, Owner Telephone: (603) 393-2749
Engineering/Surveying/ Applicant's Agent	Eckman Engineering, LLC 1950 Lafayette Road, Suite 210 Portsmouth, New Hampshire 03801 Contact: David Eckman, PE Telephone: (603) 433-1354
General Contractor	Solid Roots Construction 815 Elm Street, Suite 5B Manchester, New Hampshire 03101 Contact: Joshua Hamel Telephone: (603) 757-5639
Wetlands Scientist	RCS Designs, LLC PO Box 487 Bradford, New Hampshire 03221 Contact: Robert C. Stewart, Jr., CWS Telephone: (603) 938-2256
Traffic Engineer	TEPP, LLC 93 Stiles Road, Suite 201 Salem, New Hampshire 03079 Contact: Kim Hazarvartian, PhD, PE, PTOE Telephone: (603) 212-9133
Landscape Architect	JSLA, LLC PO Box 57 North Sutton, NH 03260 Contact: John Sullivan Telephone: (603) 848-4532
Lighting Design Consultant	Visible Light, Inc. 24 Stickney Terrace, Suite 6 Hampton, New Hampshire 03842 Contact: Heidi Connors, LC Telephone: (603) 926-6049

**Planning Board
Site Plan Review Checklist**

This checklist is intended to aid both the Applicant and the Planning Board. This checklist details those items which will be reviewed by the Planning Board. It is provided for the information of the Applicant to assure that information necessary for the Planning Board's review is provided in the site plan or accompanying documents. It is not a complete reiteration of all elements and requirements in the Site Plan Regulations for the Town of Greenville. A copy of the Site Plan Review Regulations may be obtained from the Selectmen's Office.

Applicant: Georges Realty, LLC Phone: (603) 393-2749
Mailing Address: 100 Carl Drive, Unit 11a, Manchester, NH 03103 Email: wilgeorges603@yahoo.com
Owner: McKenan Properties, LLC Phone: _____
Mailing Address: 100 Carl Drive, Unit 8, Manchester, NH 03103 Email: _____
Agent: Eckman Engineering, LLC Phone: (603) 433-1354
Mailing Address: 1950 Lafayette Road, Ste 210, Portsmouth, NH 03801 Email: david@eckmanengineering.com
Project Name: Greenville House Process Recovery Center (PRC) Tax Map: 5 Lot #: 132 & 132-1
Location: 21 Chamberlin Street Zoning District: Downtown Current Use: Commercial / Industrial
Proposed Use: Substance Use Disorder treatment Facility Disturbed Area (sq. ft.): Approx. 9000 SF

AUTHORIZATION FOR REPRESENTATION:

I hereby authorize Georges Realty & Eckman Engineering to act as my representative in connection with this application to the Town of Greenville for the subject property. I understand as the property owner, I will be held responsible for all conditions provided in the Notice of Decision issued by the Greenville Planning Board. I also understand that the Notice of Decision and associated conditions run with the land in perpetuity. I authorize the Planning Board Members and their staff to access my property for the purpose of this review.

Owner(s) Signature: [Signature] M.M. Date: 11-9-2022 Date: _____
Date: _____

DECLARATION:

I hereby certify to the best of my knowledge this application and information submitted as part of this application is correct and accurately represented

Signature: [Signature] Date: 11/10/22
(Person Preparing Application)

Compliance Hearing

I hereby certify within 30 days of completion I, or my authorized representative, will attend a compliance hearing and submit an "As built" plan to the Planning Board.

Owner(s) Signature: [Signature] M.M. Date: 11-9-2022 Date: _____
Date: _____

SITE PLAN APPLICATION CHECKLIST

The following checklist items are required for an application to be accepted as complete by the Board. All blocks are to be completed by the applicant at the time of submission. Provide all items below or insert a “W” if requesting a waiver. Include rationale for each waiver item. For items that are not required, N/A will be used to ensure each section was not overlooked. The Greenville Planning Board reserves the right to request additional information necessary for making an informed decision.

Tax Map: 5 Lot #: 132 & 132-1

Board considerations:

	Yes	No	
1	✓		Is the proposed use permitted in the zoning district? If not has a zoning variance been granted?
2	✓		The lot frontage must be shown and satisfy the zoning minimum lot frontage requirement.
3	✓		The total area of the parcel, lot coverage by buildings & paved areas, and area of open space, must be shown and satisfy the zoning minimum lot size and maximum coverage requirements.
4	✓		If this is an old survey, plans referenced, including book & page number at the Registry of Deeds, used in the compilation of bearings and distances must be shown on plat.
5		✓	Any emergency services concerns?
6		✓	Are conditions to approval recommended and adopted?

	Applicant Complete	Board Concur	
1	✓		Completed application form with owner's signature.
2	✓		A separate from plan notes, detailed written Project Description to include phasing, shape, size, height, location and use of existing and proposed structures located on the site and within two-hundred (200) feet of the site, specific information of proposed use, days & hours of operation, and number of employees
3	✓		Abutters list, to include all holders of conservation, preservation, or agricultural preservation easements.
4	✓		Fees: application and abutter notification (see Planning Board Fee Schedule).
5	N/A, town sewer & water		Soil profile & percolation rate, date of field inspection and seal with signature of certified septic designer. * (if not on town sewer and water)
6	✓		Are preliminary building elevation views and floor plans available?
7	✓		Engineering plan for new roads and utility main extensions.
8	✓		Easements and deed restrictions, existing and proposed.
9	✓		Have town services been notified of the project? (police, fire, sewer & water, and conservation commission)

Site Plan (Plat), 6 copies to include the following items:

	Applicant Complete	Board Concur	
1	✓		Lot lines and setbacks. Lot area(s).
2	✓		Lot Coverage proposed and maximum allowed by district.
3	✓		Area of disturbance (grading, paving, building and landscaping) identified & in SF.
4	✓		Pedestrian and vehicle traffic. (Location, number of spaces, handicap spaces, sidewalks, signage, flow of traffic, access points, fire lanes, loading spaces,)
5	✓		Proposed lighting locations.
6	✓		Topography 2' intervals. Map scale and north arrow.
7	✓		Tax map and lot number.
8	✓		Zoning district.
9	✓		Plan and revision dates.
10	✓		Owner of record.
11	✓		Abutter names with tax map & lot number.
12	✓		Surveyor name, seal and signature.
13	✓		Easement locations, existing and proposed.
14	✓		Roads, driveways and structures, existing and proposed.
15	✓		Overhead utilities with pole locations and numbers.
16	✓		Snow storage. (must not impede traffic circulation or safety)
17	✓		Fuel storage location. (propane, oil, gas)
18	✓		Sign location. (advertising, vehicular)
19	✓		Municipal water and sewer or well and septic locations, existing and proposed.
20	✓		Drainage elements, existing and proposed.
21	✓		Stormwater Management Plan
			a. Narrative of design intent
			b. Stormwater Plan
			c. Stormwater Calculations
			d. Drainage course and pattern, existing and proposed on a ten (10) year storm
			e. Test pit locations and logs
			f. Operations and Maintenance Guide
22	✓		Wetlands: *
			a. Wetland scientist name, certification number, stamp and signature.
			b. Date field work was performed.
			c. Mapping standards applied to delineation.
			d. Applicable permit history.
			e. Identification of water resource, buffer and setbacks (see Zoning Ordinance).
23	✓		Buildings, structures, cemeteries and rock walls.
24	✓		Planning Board signature block.

*May not apply to every site plan.

NOTIFICATION LIST

Applicant: Georges Realty, LLC Tax Map: 5

Address: 21 Chamberlin Street, Greenville, NH 03048 Lot #: 132 & 132-1

In accordance with RSA 676:4 1(d), the **Planning Board** shall notify the abutters, the applicant, subject property owner, holders of conservation restrictions, and the engineer, architect, land surveyor, wetland scientist or soil scientist whose professional seal appears on any plat submitted. An abutter is any person whose property or conservation easement adjoins or is directly across the street or stream from the land under consideration by the Planning Board. Use additional paper if necessary.

1	Name	Address	Tax Map	Lot #
	McKenan Properties, LLC	100 Carl Drive, Unit 8, Manchester, NH 03103	5	132 & 132-1
2	Name	Address	Tax Map	Lot #
	MJC Realty Trust	27 Middle Pratt Pond Road, New Ipswich, NH 03071	3	1
3	Name	Address	Tax Map	Lot #
	Burtchel Leon Bagley & Laurie Stonge	9-11 Mill Street, Greenville, NH 03048-0252	5	103
4	Name	Address	Tax Map	Lot #
	Jeffrey Licciardi & Bridget Vissa	14 Chamberlin Street, Greenville, NH 03048	5	129
5	Name	Address	Tax Map	Lot #
	Archer Properties, LLC	586 Turnpike Road, New Ipswich, NH 03071	5	130 & 131
6	Name	Address	Tax Map	Lot #
	St. George Mutual, LLC	19 Chamberlin Street, Greenville, NH 03048	5	132-2
7	Name	Address	Tax Map	Lot #
	Corey Johnson	343 New Boston Road, Bedford, NH 03110	5	133
8	Name	Address	Tax Map	Lot #
	Rural Housing for the Elderly	5456 Main Street, Greenville, NH 03048	6	43
9	Name	Address	Tax Map	Lot #
	Sally Perez	17 Ashton Place, Greenville, NH 03048	6	47

The Planning Board is not responsible for obtaining the above information. This information can be obtained from the Tax Maps and Book in the Town Clerk's Office. See the Greenville web site for current hours of operation.

Please refer to [Page 7 of the Site Plan Review Application Package](#) for the full list of abutters, easement holders and project teams members to be notified in accordance with RSA 676:4 1(d).

Planning Board

Site Plan Review Fee Schedule

Notification

1. Abutters Fee: \$7.00 per abutter per notification
Number of abutters 15 x Number of notifications 1 x \$7.00 = \$ 105.00
2. Newspaper Fee: \$100.00 per hearing notification

Administrative

New or Revised/ Amended Site Plans: \$100

A copy of existing & proposed site plan is required for revisions/ amendments

All above fees must be paid in full prior to acceptance of the application by the Board

Recording

\$150 Fee for recording with the Registry of Deeds. To be paid after final approval of Site Plan with Mylar to be recorded.

Review, Consultation, Impact, and Study Fees shall be paid by applicant during approval and building process. Stamped/ Certified "as-built" plans are required upon completion.

SECTION 2: PROJECT ABUTTERS & PROJECT MEMBERS

Tax Map 5 Lots 132 & 132-1 [Owner]	McKenan Properties, LLC 100 Carl Drive, Unit 8 Manchester, NH 03103 HCRD Bk 9373, Pg 827	Tax Map 6 Lot 47	Sally Perez 17 Ashton Place Greenville, NH 03048 HCRD Bk 6090, Pg 1904
Tax Map 3 Lot 1	MJC Realty Trust c/o Marshall Cain, Trustee 27 Middle Pratt Pond Road New Ipswich, NH 03071 HCRD Bk 9560, Pg 2884	Tax Map 6 Lot 51	St. George Mutual, LLC 19 Chamberlin Street Greenville, NH 03048 HCRD Bk 9465, Pg 2446
Tax Map 5 Lot 103	Burtchel Leon Bagley & Laurie Stonge 9-11 Mill Street Greenville, NH 03048-0252 HCRD Bk 8484, Pg 143	Tax Map 6 Lot 52	Chamberlin Mill, LLC 32 Mill Street Greenville, NH 03048 HCRD Bk 9324, Pg 2103
Tax Map 5 Lot 129	Jeffrey Licciardi & Bridget Vissa 14 Chamberlin Street Greenville, NH 03048 HCRD Bk 9372, Pg 790	Applicant	Georges Realty, LLC 100 Carl Drive, #11A Manchester, NH 03103
Tax Map 5 Lots 130 & 131	Archer Properties, LLC 586 Turnpike Road New Ipswich, NH 03071 HCRD Bk 8347, Pg 1327	Engineer & Surveyor	Eckman Engineering, LLC 1950 Lafayette Road, Suite 210 Portsmouth, NH 03801
Tax Map 5 Lot 132-2	St. George Mutual, LLC 19 Chamberlin Street Greenville, NH 03048 HCRD Bk 9465, Pg 2446	Architect	Lauer Architects, P.A. 118 Page Hill Road Goffstown, NH 03045
Tax Map 5 Lot 133	Corey Johnson 343 New Boston Road Bedford, NH 03110 HCRD Bk 9496, Pg 1732	Wetland Scientist	RCS Designs, LLC PO Box 487 Bradford, NH 03221
Tax Map 6 Lot 43	Rural Housing for the Elderly 5456 Main Street Greenville, NH 03048 HCRD Bk 2724, Pg 16		

SECTION 3: SITE PLAN REVIEW APPLICATION REQUIRED INFORMATION

3.01 - APPLICATION DOCUMENTATION

Per the October 19th, 2022 conceptual site plan review hearing with Planning Board representatives, the project site plan review application includes the following items:

- **One (1) fully executed signed copy of the application for site plan review**
- **One (1) copy of all required documents detailing additional information as deemed necessary by the Greenville Planning Board**
- **Five (5) copies of the site plan review application plans**

3.02 - SITE PLAN REVIEW APPLICATION

Please refer to the Section 1 (Page 1) for the site plan review application for this project. The application includes parcel identification and ownership information, authorizations and representatives and notification information.

3.03 – COVER SHEET

Please reference the attached cover of the site plan application plan set entitled ‘Proposed Greenville House PRC (Process Rehabilitation Center)’ dated 11/09/2022.

3.04 – PROXIMITY MAP

Please refer to sheet BND-1 entitled “Boundary Retracement Plan” for the required information in this section including location of the site in relation to the surrounding streets including at least one intersection of another town road with the town road on which the parcel has frontage, names of the adjoining streets, zoning districts with boundaries within approximately 1,000-feet of the site, a North arrow, and the tax map lot numbers of the parcel(s).

3.05 – EXISTING SITE CONDITIONS PLAN

Please reference the attached plans entitled ‘Existing Conditions & Wetland Location Plan’ (EX-1) and ‘Overall Existing Conditions & Offsite Parking Plan’ (Sheet EX-2) dated 11/09/2022.

3.06 - SITE PLAN

Please reference the attached plan entitled ‘Site Layout Plan’ (Sheet C-1) dated 11/09/2022.

3.07 – TRAFFIC CIRCULATION PLAN

For traffic information including direction of travel using arrows, showing the separation of vehicular and pedestrian traffic within the site and traffic estimates showing current and proposed traffic densities, please reference the attached plan entitled ‘Site Layout Plan’ (Sheet C-1) dated 11/09/2022.

3.08 – STORMWATER DRAINAGE PLAN

The Stormwater Drainage plan can be found on the “Grading, Drainage, Erosion & Sediment Control Plan” (Sheet C-2) of the application package.

3.09 – PROPOSED / EXISTING WATER, SEWAGE (LINES & SYSTEM) & UTILITIES

Proposed / Existing Water, Sewage and Overhead Utilities (Power, etc.) can be found on the “Utility Plan” (Sheet C-3) of the application package.

3.10 – SOLID WASTE DISPOSAL

Solid Waste Disposal area(s) can be found on the ‘Site Layout Plan’ (Sheet C-1) dated 11/09/2022.

3.11 - LANDSCAPING PLAN

Project Landscaping information can be found on the ‘Landscape and Lighting Plan” (Sheet C-4) of the application package.

3.12 – SNOW REMOVAL AND STORAGE

Snow removal and storage information can be found on the ‘Site Layout Plan’ (Sheet C-1) dated 11/09/2022.

3.13 – LIGHTING PLAN

Project Lighting information can be found on the ‘Landscape and Lighting Plan” (Sheet C-4) of the site plan approval plan set with additional information in the detail sheets.

3.14 – EROSION AND SEDIMENT CONTROL PLAN

The Erosion and Sediment Control plan can be found on the “Grading, Drainage, Erosion & Sediment Control Plan” (Sheet C-2) of the application package.

3.15 – WETLAND & WATER BODY DELINEATION

The Wetland Delineation was completed by Robert C. Stewart, CWS (RCS Designs, LLC). The waterbody reference line elevation was published by NHDES and the topographic survey to determine the location of the reference line completed by Eckman Engineering, LLC. After determination of the location the 50-foot, 150-foot and 250-foot shoreline protection setbacks were established. The wetlands and shoreline protection setbacks are shown on most of the approval drawing plan sheets and can be found for the entire parcel on Sheet EX-1, entitled “Existing Conditions & Wetland Location Plan”.

3.16 – NH BUILDING CODE, NH FIRE CODE, SAFETY, PREVENTION & CONTROL

The existing Chamberlin Mill building will be renovated into the proposed Greenville House Process Rehabilitation Center (PRC). This is a substantial renovation estimated to cost about \$7.5 million dollars. As a project located in New Hampshire, it is subject to the applicable sections of the state building code (RSA 155-A:2) including, but not necessarily limited to the following:

- International Building Code 2009
- International Existing Building Code 2009
- International Plumbing Code 2009
- International Mechanical Code 2009
- International Energy Conservation Code 2009
- International Residential Code 2009 (as published by the International Code Council)
- National Electric Code 2011 (as amended by the NH State Building Code Review Board. (RSA 155-A:1 (IV)))

Additionally, as a project located in New Hampshire it is subject to the applicable sections of the state fire code (RSA 153) including, but not necessarily limited to the following:

- Life Safety Code 2009
- Saf-C 6000 Rules
- Uniform Fire Code NFPA1, 2009 edition.

While Eckman Engineering is not aware of any municipal (Town of Greenville) building or fire codes beyond the New Hampshire state codes, should they exist in all cases the most stringent code requirements shall apply.

The renovation includes installation of code compliant entrances/egresses and a fully code compliant sprinkler system as applicable for a structure rehabilitation project. Brian Golec, Primary Operator Greenville Water & Sewer Department, stated that there were no recent fire hydrant flow tests for the project area and that if test data was required that a private independent company would need to be retained to complete the work.

Covenant Fire Protection (62 W Brook St, Manchester, NH 03101) completed the required fire hydrant flow test which utilized 2 hydrants adjacent to the existing mill building (as shown on the test locus along with the flow test results include in Exhibit F). The test results were very good and no boosters pumps will be required to support the required sprinkler system.

Summary of flow-test results:

Static PSI Reading:	120 PSI
Residual PSI Reading:	115 PSI
GPM at 20 PSI Residual:	6,924 GPM
GPM at 0 PSI:	7,641 GPM

Locations of existing fire hydrants can be found on Sheet EX-1, entitled “Existing Conditions & Wetland Location Plan” as well as Sheet C-3 entitled “Utility Plan” of the application package. Given the close proximity of two existing hydrants that tested no additional hydrants are proposed or required.

3.17 – EASEMENTS AND UTILITIES

All existing easements can be found on the Sheets BND-1 “Boundary Retracement Plan”, Sheet EX-1 “Existing Conditions & Wetland Location Plan”, Sheet EX-2 ‘Overall Existing Conditions & Offsite Parking Plan’ and Sheet C-3 “Utility Plan” of the application package.

3.18 – CONSTRUCTION PHASING

This project is not phased therefore this section is not applicable to this application.

3.19 – BUILDING PLANS

Please reference the attached existing and proposed architectural floor plans and elevations which can be found at the end of the Site Plan Review Application Plan Set.

3.20 – FISCAL IMPACT STUDY

A Fiscal Impact Study for the proposed project can be found in Exhibit E of the application package.

3.21 – PROJECT NARRATIVE

A - Proposed Site Development and the Proposed Use(s).

The existing Old Mill building located at 21 Chamberlin Street will be converted and renovated to become the Greenville House PRC (Process Rehabilitation Center), which will function as a substance use disorder treatment facility. The treatment facility will encompass the fully two renovated old Chamberlin Street Mill Buildings designated as the north building and the south building for easy identification. The north building will consist of 35-living units for patients (31 of which are 2-bedroom units) contained in the fully rehabilitated and sprinkled three-story building. The building will also contain a recreation/community room, fitness space, dining quarters, kitchen, laundry room, therapy rooms, conference room, nursing station, staff rooms trash/recycling area and receiving zone. The south building is a smaller four-story building which will contain staff offices, conference rooms and reception area.

The facility will offer an integrated care approach through a range of treatment modalities, such as: a Partial Hospitalization Program, an Intensive Outpatient Program, Sober Living, Medication Assisted Treatment, Neurofeedback, EMDR, Hypnotherapy, Medication Management, Ear Acupuncture, Breathworks, etc.

The Greenville House PRC will provide several residential services to our patients, starting with Residential Withdrawal Management ("WM"). A typical WM length of stay is 7-10 days, depending on a patient's clinical and medical acuity. Once the medical team clears the patient, the patient will step down to Clinically managed Residential Treatment ("RTC"). An RTC length of stay can range from 15 to 90 days. At this stage in a patient's care, they should be stable enough to begin focusing on their next step, which would be one of three levels of outpatient care (offered off-site by community partners).

When patients arrive at Greenville House PRC, they will be greeted by trained and qualified SUD professionals. All clients are assigned a treatment care team, which includes a therapist, case manager, and medical provider. In addition to the care team, Greenville House PRC also employs certified support staff, licensed nurses, chefs, housekeepers, intake specialists, and administrative and operational staff members. Direct patient care providers are responsible for the patient's overall care, treatment, and services. Direct patient care clinical staff who render services, such as individual, group, and family therapy, are trained, certified, and licensed professionals. The licenses include, but are not limited to, licensed clinical social worker, licensed mental health counselor, licensed alcohol and drug counselor, licensed family and marriage therapist, and certified addiction professional. The certified support and case management hold or are working towards their support certifications or human service degrees (or similar). The direct patient care staff who render medical services are registered nurses, licensed practical nurses, nurse practitioners (general, family, and psych), and physician assistants. All rendering medical providers will be supervised by an attending physician, also known as the facility's medical director. All medications, including protocols and orders for WM, are prescribed by providers with active DEA licenses. Greenville House PRC is required to follow strict medication ordering and storage guidelines.

Greenville House PRC will apply and obtain licensure through NH's Department of Health and Human Services. The facility will be licensed under the He-P 826 rules and regulations. Additionally, Greenville House PRC will obtain accreditation through the Joint Commission, which requires the highest standards of healthcare compliance, quality, and safety. These two processes will include an in-depth review of the internal processes, management infrastructure, physical environment (life safety code), health and safety, etc.

Greenville House PRC's mission and goal is to offer quality and affordable care to all individuals regardless of socioeconomic status, race, religion, color, creed, or gender. The facility will be a contracted provider with Medicaid and commercial payer systems, which allows the organization to continue fighting for health equality. Being awarded the opportunity to move forward with the project will assist us in continuing our mission.

B - Days and Hours of Operation

Being substance use disorder facility, the Greenville House PRC for all intents and purposes will operate on a continuous 24-hour/365-day basis.

C - Number of employees

To provide the highest possible staff to patient ratio the Greenville House PRC has a many well trained and specialized staff which during the largest shift has 9- direct care staff, 6 therapists, 3 case managers and 7 facility support staff which totals **28 maximum staff on-site during a peak-day shift**. The second and night shifts have less staff however at no time will the staff be without therapists and direct care staff trained to handle the rare cases when residents become upset where specialized training includes methods for calming and de-escalation techniques.

D - Extent of Normal Customer/Business Traffic including Truck Deliveries

Please refer to the Traffic Assessment relative to Chamberlin Street, Greenville, New Hampshire conducted by Kim Eric Hazarvartian, Ph.D., P.E., PTOE, Principal of Transportation Engineering, Planning and Policy, LLC, dated November 9th, 2022, updated December 7, 2022. A copy of this Traffic Assessment can be found in Exhibit B of the application package.

E - Estimate of Maximum Hourly Traffic into and out of the Premises, Traffic Flows on Connecting Roads, Special Traffic Problems and how the Applicant Proposes to Mitigate them

Please refer to the Traffic Assessment relative to Chamberlin Street, Greenville, New Hampshire conducted by Kim Eric Hazarvartian, Ph.D., P.E., PTOE, Principal of Transportation Engineering, Planning and Policy, LLC, dated November 9th, 2022, updated December 7, 2022. A copy of this Traffic Assessment can be found in Exhibit B of the application package.

F - Data and Calculations used to Arrive at the Number of Parking Spaces Specified

Please refer to the Traffic Assessment relative to Chamberlin Street, Greenville, New Hampshire conducted by Kim Eric Hazarvartian, Ph.D., P.E., PTOE, Principal of Transportation Engineering, Planning and Policy, LLC, dated November 9th, 2022. A copy of this Traffic Assessment can be found in Exhibit B of the application package.

G - The Need for Utility Services by Type

The old Mill buildings have existing services which will be tested and utilized if condition permits however for planning purposes the cost of new services is incorporated within the construction budget.

Typical utilities will be required to operate the proposed Greenville House PRC with Water & Sewer provided by the Town of Greenville Water & Sewer department (Water Treatment Plant, 800 NH Route 45, Temple, NE 03084), Electric by Eversource (looking at the possibility of purchasing power from the abutting Chamberlin Falls Electric Power Station), emergency propane backup generator capable of operating entire facility is proposed, Consolidated Communications provides telephone/fire/cable and propane is by Ciardelli Fuel Co., 487 Nashua St., Millford, NH 03055).

All utility renovation work shall be completed by Licensed MEP contractors and their work must follow NH Building Code, NH Fire Code and any other applicable municipal codes where the most stringent shall be applied. Project shall install any hook-ups, smoke alarms, water gongs, lock boxes, etc. as deemed necessary by the Local Fire Department and/or Fire Marshalls office where most stringent requirement is applied.

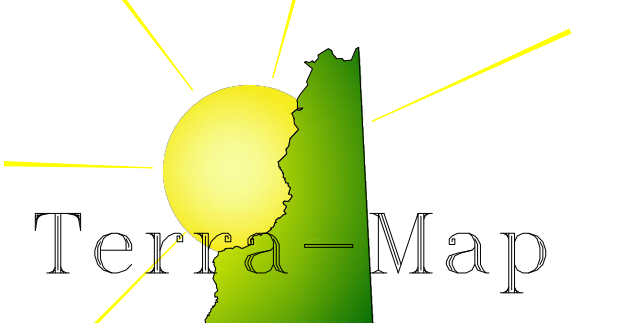
H - Any other information requested or required to support the proposed Greenville House PRC project and provide clarity to the Greenville, NH Planning Board.

None at this time.

EXHIBITS

EXHIBIT A

Tax Map & Subject Property Deed



Phone 603 798-4419 Fax 603 798-4263

A Division Of
Avitar Associates
of New England, Inc.

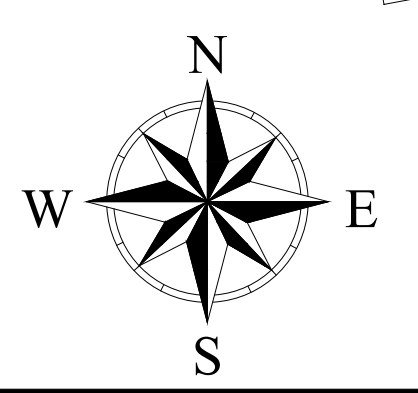
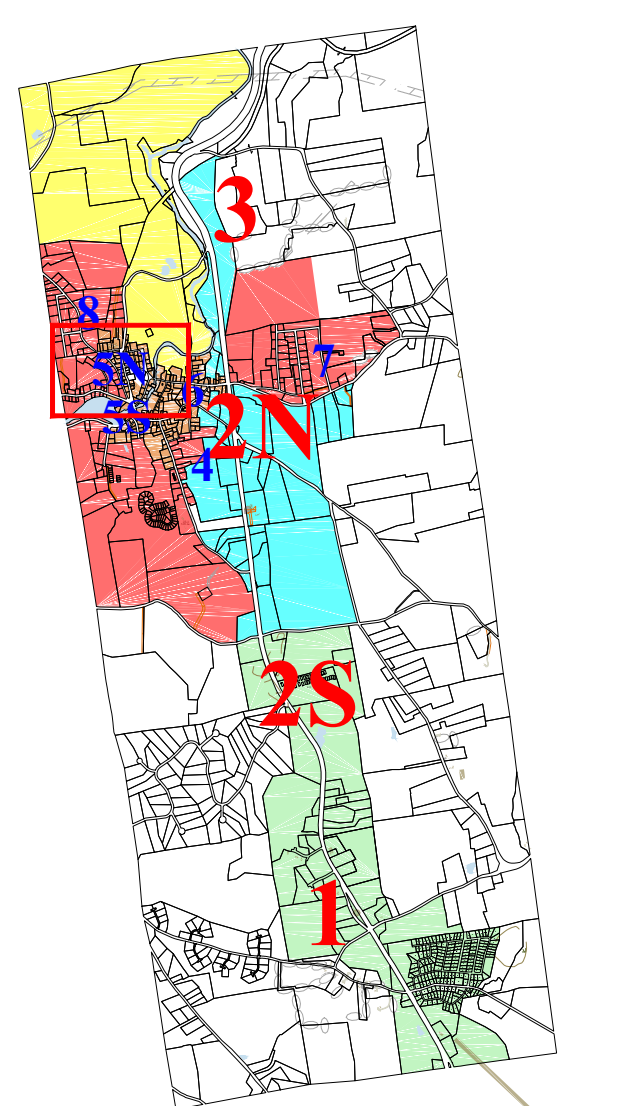
www.avitarassociates.com
TerraMap@avitarassociates.com

Town of
GREENVILLE
Hillsborough County
New Hampshire

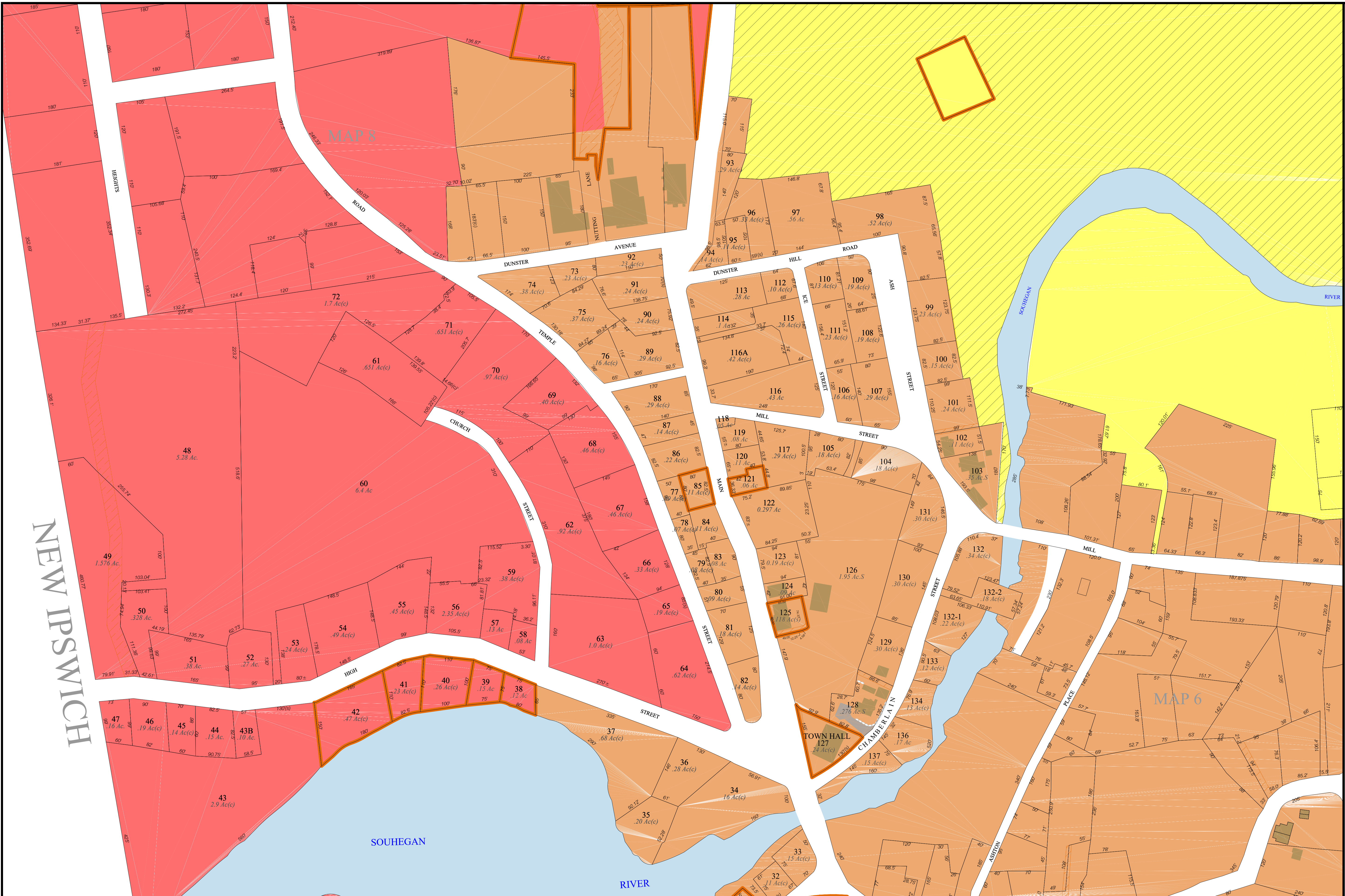
LEGEND

- PARCEL INFO**
- 2-12 Lot-Sub
- 5 Ac.S Parcel Acreage
- C - Calculated, S - Surveyed
- 200' Dimensions (Feet)
- WATER FEATURES**
- Lakes and Brooks
- Wetlands
- LAND**
- Current Use
- Town Owned
- ROW/Easement
- ZONING**
- Rural / Agricultural
- Residential
- Downtown
- Commercial
- Commercial / Industrial
- Industrial

SCALE 1" : 100'



MAP 5N



For Assessment Purposes
Not to be used for conveyances

MAP NOTES: _____

Revised April 1, 2021

Return to:

Doc # 200063260
Book 9373 Page 827

10/30/2020 03:09:04 PM
Page 1 of 4

HOWARD B LANE JR ESQ
PO BOX 472
KEENE NH 03431 *ENV*

Edward Sapienza
Register of Deeds, Hillsborough County
LCHIP HIA570716 25.00
TRANS TAX HI129967 825.00

QUITCLAIM DEED

Kimball Management, Inc., a New Hampshire corporation with a principal place of business at 311 Kimball Hill Road, Wilton, Hillsborough County, New Hampshire 03086 for consideration of Fifty-Five Thousand Dollars (\$55,000.00), grants to **McKenan Properties, LLC**, a New Hampshire limited liability company with a principal place of business at 100 Carl Drive, Unit #8, Manchester, NH 03103, with QUITCLAIM COVENANTS,

A certain tract or parcel of land with the buildings thereon, situated in Greenville, in the County of Hillsborough and State of New Hampshire, being bounded and described as follows:

Beginning at a point shown on a plan hereafter referred to on the Easterly side of Chamberlin Street at the Southwest corner of the within described tract at land now or formerly of Alan A. Melad; thence

North 35° 59' 35" East along the Easterly line of Chamberlin Street a distance of one hundred nineteen and three hundredths (119.03) feet, more or less, to a point shown on said plan; thence

Continuing along the Easterly side of Chamberlin Street through its intersection with Mill Street and along the Southerly line of Mill Street in an arc having a radius of 69.07 feet, a distance of one hundred ten and four tenths (110.4) feet, more or less, to a drill hole set in an abutment; thence

Turning and running Southerly 52° 25' 40" East along the Southerly side of Mill Street a distance of thirty-seven (37) feet, more or less, to a point at or near the high-water mark of the Souhegan River; thence

Turning and running Southwesterly along the Souhegan River a distance of one hundred ninety-three (193) feet, more or less, to a point shown on said plan near the Southeast corner of the building on the within described tract; thence

Turning and running North 50° 58' West, in part along the center line of a party wall separating the building on the within conveyed premises and the building on premises of said Melad, a distance of one hundred six and thirty-three hundredths (106.33) feet, more or less, to the place of beginning.

Said parcel contains 19,400 square feet, more or less, and is shown on Lot #1 on a certain plan entitled, "Resubdivision Plan of Land of William Post Ross and Alan A. Melad, Greenville, N.H., dated November 17, 1977, Thomas F. Moran, Inc., Surveyors".

Subject to the terms of a Party Wall Agreement, dated December 1, 1977, and recorded in Volume 2580, Page 103 of the Hillsborough County Registry of Deeds.

Together with all rights of or to flowage, riparian rights, water rights, and other rights in, and to, and with respect to the Souhegan River which are appurtenant to said premises.

Subject to such rights and easements of record or otherwise as may affect the premises.

EXCEPTING AND RESERVING from the foregoing, the following premises:

A certain tract or parcel of land with the buildings thereon, situated in Greenville, in the County of Hillsborough and State of New Hampshire, shown as Lot 1B on plan known as "Subdivision Plan of Land, Neary-Hayward Properties, Greenville, N.H.", dated August 5, 1981, revised October 20, 1981, by Thomas F. Moran, R.L.S., recorded in the Hillsborough County Registry of Deeds as Plan No. 14478, more particularly bounded and described as follows:

Beginning at a point in the Easterly edge of Chamberlin Street in said Greenville, North 35° 59' 35" East, two hundred eleven and sixty-eight hundredths (211.68) feet from an iron pin at the Southwesterly corner of land now or formerly of Benoit E. Jean, said pin set in the Easterly edge of said Chamberlin Street; thence running

South 51° 03' 55" East a distance of eighteen and thirty-seven hundredths (18.37) feet by land now or formerly of Neary-Hayward Properties to a point at the Westerly exterior wall of the main building, so-called; thence running

Along the same course a distance of fifty-one and fifteen hundredths (51.15) feet by the exterior wall of said main building to a point at the junction of the Southerly and Easterly exterior walls of said main building; thence

Turning and running North 38° 58' 00" East a distance of forty-four and no hundredths (44.00) feet by the Easterly wall of said main building to a point on the Easterly exterior wall of said main building; thence

Turning and running South 50° 58' 00" East by land of said Neary-Hayward Properties crossing the Souhegan River a distance of one hundred twenty-three and forty-seven hundredths (123.47) feet to a granite bound set on the Easterly side of the Souhegan River; thence

Turning and running South 39° 02' 00" West a distance of fifty-seven and twenty-four hundredths (57.24) feet by land of Neary-Hayward Properties to a drill hole set in a boulder at the intersection with a line which is an extension of the center line of a common or party wall between the conveyed premises and the building occupying the land now or formerly of Alan A. Melad; thence

Turning and running North 50° 58' 00" West by land of Neary-Hayward Properties and said Melad a distance of one hundred ten and ninety-one hundredths (110.91) feet to a point at the Easterly end of the common or party wall between the premises herein conveyed and the building occupying the land now or formerly of said Melad, said common or party wall subject to the Party Wall Agreement dated December 1, 1977, and recorded in Volume 2580, Page 103 of the Hillsborough County Registry of Deeds; thence running

By the same course along the center line of said common or party wall a distance of sixty-three and sixty-five hundredths (63.65) feet to a point at the Easterly end of said common or party wall; thence running

By the same course a distance of seventeen and sixty-eight hundredths (17.68) feet by said land of Melad to a point in the Easterly edge of Chamberlin Street; thence

Turning and running North 35° 59' 35" East a distance of thirteen and fifteen hundredths (13.15) feet to the point of beginning.

FURTHER RESERVING AND EXCEPTING the following, all pertaining to said Lot 1B:

1. All rights, title and interest in and to all rights of or to flowage, riparian rights and other rights in and to, and with respect to the Souhegan River which are directly appurtenant to the premises conveyed above.
2. An easement, to the extent necessary for the provision of electrical power to the conveyed premises by existing electrical transmission or distribution lines.
3. An easement for the placement, use, maintenance, repair, replacement and removal of equipment for the discharge of water following the generation of hydro power, and further the right to make reasonable discharge of water across such of the land now or formerly of Neary-Hayward Properties as lines within the banks of the Souhegan River.
4. A sixteen (16) foot right of passage extending across land now or formerly of Neary-Hayward Properties on or near the Easterly bank of the Souhegan River. Said right of passage to extend from Mill Street Westerly to the Easterly end of the dam across the Souhegan River, said dam being on the premises conveyed herein.

Meaning and intending to describe and convey all and the same premises as were conveyed to Kimball Management, Inc. by Quitclaim Deed of The Peterborough Savings Bank

dated February 25, 1985 and recorded in the Hillsborough County Registry of Deeds on February 25, 1985 in Book 3272, Page 0289.

The premises conveyed hereby are not subject to homestead rights.

Executed this 23rd day of October, 2020.

KIMBALL MANAGEMENT, INC.

By: Stephen G. Boucher
Stephen G. Boucher
Duly Authorized President

STATE OF NEW HAMPSHIRE
COUNTY OF HILLSBOROUGH

The foregoing instrument was acknowledged before me this 23 day of October, 2020, by Stephen G. Boucher, duly authorized President of Kimball Management, Inc.

Sarah M. Foss
Notary Public
My Commission Expires:

SARAH M. FOSS
Notary Public - New Hampshire
My Commission Expires May 3, 2022



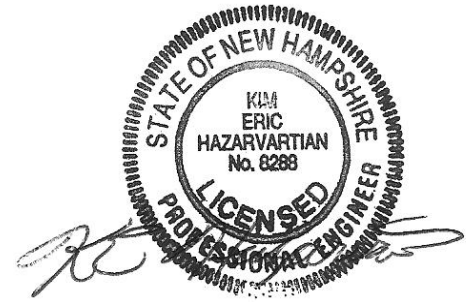
EXHIBIT B

Traffic Assessment Letter

MEMORANDUM

93 Stiles Road, Suite 201, Salem, New Hampshire 03079 USA
800 Turnpike Street, Suite 300, North Andover, Massachusetts 01845 USA
Phone (603) 212-9133 and Fax (603) 226-4108
Email tepp@teppllc.com and Web www.teppllc.com

Ref: 1624
Subject: Traffic Assessment
Chamberlin Street Mill
Greenville, New Hampshire
From: Kim Eric Hazarvartian, Ph.D., P.E., PTOE
Principal
Date: December 7, 2022



TEPP LLC has prepared this traffic-assessment memorandum regarding the proposed Chamberlin Street Mill rehabilitation in the Town of Greenville, New Hampshire. The proposed use is a substance-use disorder facility.

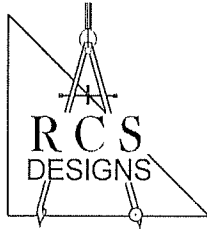
The peak day shift has 28 personnel, usually fewer. The facility will have 66 client beds, which may not all be occupied simultaneously. Clients are dropped off and picked up at staggered times, and do not park.

The parking supply will consist of 35 spaces, 15 spaces at the building and 20 spaces within 250 feet of the building via sidewalk. Thirty-five parking spaces is adequate given the number of personnel per shift and the clients not parking while at the site. TEPP LLC understands that experienced operators of similar facilities also consider this number of parking spaces to be adequate.

Given the number of personnel per shift and the staggered arrival and departure times of clients, the use is anticipated to have no significant impact on area traffic operations. Also, the space is not being put to industrial or residential use, either of which generate parking demand and vehicle-trips.

EXHIBIT C

Wetland Scientist Letter



RCS DESIGNS

P.O. Box 487

Bradford, NH 03221

(603) 938-2256 / Fax (603) 938-2255

rcsdesign@tds.net

November 8, 2022

Eckman Engineering, LLC

PO Box 8025

Portsmouth, NH 03802-3035

Via email

a.youngman@eckmanengineering.com

RE: Old Mill, Chamberlin Street Street, Greenville, NH

Dear Aaron,

On 11/2/2022 I visited this site to conduct a delineation of the jurisdictional wetlands on this property. The type of wetland on this site is a riverine wetland where it depends on the flow of water by natural or artificial channel. The area of study is a segment prior to and downstream of a hydro-dam on the Souhegan River.

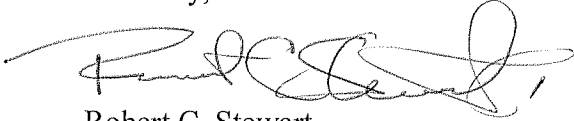
The limit of the jurisdiction for this particular wetland is defined by the top of bank. The limit from the easterly side of the lot is in the area where there is a change in slope into the first bump-out of the building. The top of bank is from the face of the building to the westerly extent of the building closest to the river. The top of bank continues from the building along a slope change to the westerly lot line. The extent of the wetland is flagged from #1 to #8 on the easterly end of the building and again from #8 to #15 on the westerly side.

I also determined the normal high water mark of the Souhegan River below the dam as that area that transitions from the existing water flow to the vegetation line. In particular below the dam, it is that area where deposition stops. In the area above the dam, because

it is dam controlled, it is 1' from the top of the dam. Some staining was observed on rocks on the shore at this elevation. It is difficult for this determination due to the proximity of the dam itself and another dam upstream approximately 800' which is all regulated for flow. For shoreland purposes you can rely on this determination.

If you have any questions or comments please do not hesitate to contact me.

Sincerely,



Robert C. Stewart

NHCWS#49

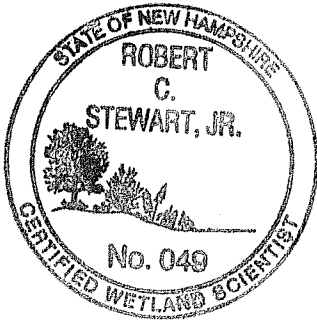


EXHIBIT D

Greenville Town Department Signoffs



MUNICIPAL DEPARTMENT REVIEW SIGN-OFF SHEET

Applicant Name:
Georges Realty, LLC

Project Title or Description:
Chamberlin Street Mill Improvements Project

Project Application Type:
Site Plan Review

Municipal Department / Board:

- Board of Selectmen Police Department Fire Department Water & Sewer Department
 Highway Department Emergency Management Department

Comments:

Signature: _____ **Title:** _____ **Date:** _____



MUNICIPAL DEPARTMENT REVIEW SIGN-OFF SHEET

Applicant Name:
Georges Realty, LLC

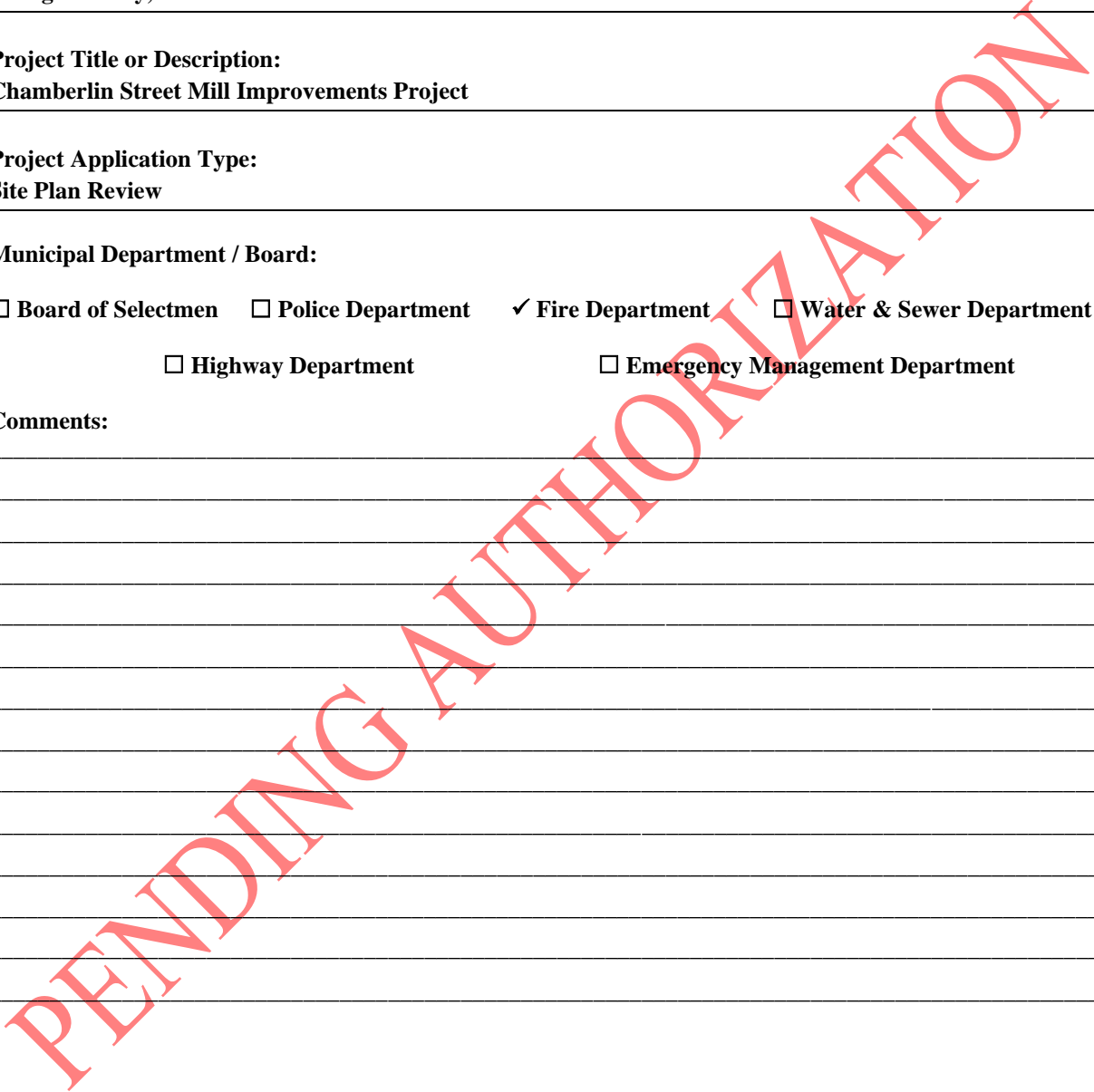
Project Title or Description:
Chamberlin Street Mill Improvements Project

Project Application Type:
Site Plan Review

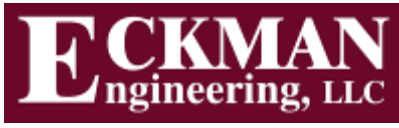
Municipal Department / Board:

- Board of Selectmen, Police Department, Fire Department (checked), Water & Sewer Department, Highway Department, Emergency Management Department

Comments: (Lined area for text)



Signature: Title: Date:



MUNICIPAL DEPARTMENT REVIEW SIGN-OFF SHEET

Applicant Name:
Georges Realty, LLC

Project Title or Description:
Chamberlin Street Mill Improvements Project

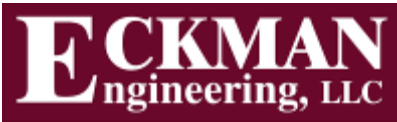
Project Application Type:
Site Plan Review

Municipal Department / Board:

- Board of Selectmen Police Department Fire Department Water & Sewer Department
 Highway Department Emergency Management Department

Comments:

Signature: _____ **Title:** _____ **Date:** _____



MUNICIPAL DEPARTMENT REVIEW SIGN-OFF SHEET

Applicant Name:
Georges Realty, LLC

Project Title or Description:
Chamberlin Street Mill Improvements Project

Project Application Type:
Site Plan Review

Municipal Department / Board:

- Board of Selectmen
- Police Department
- Fire Department
- Water & Sewer Department
- Highway Department
- Emergency Management Department

Comments:

Signature: _____ **Title:** _____ **Date:** _____



MUNICIPAL DEPARTMENT REVIEW SIGN-OFF SHEET

Applicant Name:
Georges Realty, LLC

Project Title or Description:
Chamberlin Street Mill Improvements Project

Project Application Type:
Site Plan Review

Municipal Department / Board:

- Board of Selectmen, Police Department, Fire Department, Water & Sewer Department, Highway Department, Emergency Management Department

Comments:

Multiple horizontal lines for entering comments.

Signature: Title: Date:

EXHIBIT E

Fiscal Impact Study

Fiscal Impacts

Project Description:

Georges Realty is proposing to renovate and convert the existing mill structure located at 17 & 21 Chamberlin Street in Greenville, New Hampshire into the Greenville House Process Rehabilitation Center (PRC). The old Chamberlin mill structures are currently used for limited plumbing storage and has been virtually abandoned or quite some time. The Greenville House PRC proposes to utilize the building footprint of approximately 28,000 square feet located on Lots 132 (0.36 acres) and 132-1 (0.20 acres) on the Town of Greenville Tax Map 5.

The purpose of this Fiscal Impact study is to determine whether the Town of Greenville stands to receive a significant financial gain from the development of the Greenville House PRC. This will be accomplished by an analytical evaluation of the proposed property tax revenues, income tax revenues and employment opportunities that the proposed treatment facility will offer.

Demographics:

The Town of Greenville New Hampshire is located just north of the center of New Hampshire's border with Massachusetts and is located approximately 1 mile north of the intersection of NH Route 103 and 124 in Hillsborough County. The town was incorporated in 1872 and has an observed population of 2,110¹. The Town of Greenville population is almost evenly divided in half by gender with 1,104 males and 957 females and the median age of 45.7². The median age of Greenville indicates that majority of the population is in the age range to be employed full time and supporting a family. The per-capita income for the Town of Greenville is \$31,183³. Majority of Greenville's residents must travel to outside communities for employment⁴.

Residential Income Provided by the Proposed Treatment Facility:

The Greenville House PRC is of similar design/function as several other Substance Use Disorder Treatment Facilities in New Hampshire. Approximate wages and salaries paid to the employees of the facility range based off the position that the person holds. A person in a supervisory staff position makes on average \$95,800 a year before taxes⁵. A person in a support staff position makes on average \$53,300 a year before taxes⁶.

The Greenville House PRC will be in the Town of Greenville the lower number of residents that must travel outside of the town for employment will most likely decrease from the most recent census data of 93.3%⁷. The Greenville House PRC will also help to reduce the most current unemployment figures from 3.2%⁸ due to lack of full-time employment opportunities within the towns border by bringing about 70 well paying new jobs to the area.

¹ NHES Community Profile, Greenville, New Hampshire 2019

² NHES Community Profile, Greenville, New Hampshire 2019

³ NHES Community Profile, Greenville, New Hampshire 2019

⁴ Ibid

⁵ Ibid

⁶ Ibid

⁷ NHES Community Profile, Greenville, New Hampshire 2019

⁸ Ibid

Figure 1: Data table comparing Average Greenville House PRC Staff to Greenville Per-Capita Income.

Average Wages for Greenville House PRC Staff (Per Employee)		
Position	Gross Weekly Income before Taxes	Gross Yearly Income before Taxes
Supervisory Staff	\$1,842.30	\$95,800.00
Support Staff	\$1,025.00	\$53,300.00
Average Wages for Greenville Resident		
Per-Capita Income	\$599.67	\$31,183.00

Tax Revenues:

The existing site is under-utilized being virtually abandoned for some time leaving the old mill building to begin to decay due to roof leaks and lack of maintenance. The old mill complex was constructed about 1870 with and the masonry and foundation for the original buildings remain in very good condition likely being founded on bedrock. This old mill was a major contributor to the Town of Greenville area revenuesbeit through employment of local residents or paying property taxes when the mill was in working order.

The proposed Greenville House PRC site will restore and greatly increase income to the town, towns resident’s through employment and provide business ax to the state. While not calculable as direct income benefit restoration of the property with landscaping and upgrade of the existing bold mill buildings will greatly improve aesthetics increasing adjacent property values and improving the Towns street appeal.

The Greenville House PRC buildings are estimated to have a post-construction value be about \$7,500,000 when fully renovated and in operation. Given Greenville’s property tax rate of \$25.15 per-\$1,000 dollars of value⁹ the implemented project will result in approximately **\$188,625** in property taxes to the Town of Greenville each year without bringing many children to the school system except for some new Greenville House PRC employee family’s.

The State of New Hampshire will also collect taxable revenues as required for NH’s business tax and the federal taxes on salaries and wages payable. Using figures based on facilities of similar design/function in New Hampshire, the estimated amount of taxable income can be derived for the State of New Hampshire per-employee and is represented in Figure 2: Representation of Taxable incomes from Gross Salaries / Wages Payable per-employee.

Figure 2: Representation of Taxable Incomes from Gross Salaries / Wages Payable per Employee

Estimated Tax Income from Greenville House PRC Staff (Per Employee)				
Position	Gross Weekly Income before Taxes	Gross Yearly Income before Taxes	Gross Salaries / Wages Federal Tax Rate	Tax Income
Supervisory Staff	\$1,842.30	\$95,800.00	20%	\$20,600.00
Support Staff	\$1,025.00	\$53,300.00	15%	\$7,995.00

Treatment Facility Feasibility / Occupancy:

⁹ Town of Greenville Tax Collector

The Greenville House PRC is a similar facility to other national Substance Abuse Treatment facilities. A feasibility study of project viability was conducted prior to the Georges Realty's deciding to move forward with this planning board application as if implemented the project is anticipated to be profitable and successful long term.

The 2020 study found that in New Hampshire, the number of clients in treatment aged 18-years or older increased from 2011 to 2020. This shows a growing need for more Substance Use Disorder Treatment Facilities in the state (see Tables 3 and 4). The 2020 study of so found that the majority of Substance Abuse Treatment facilities will achieve approximately 51% to 90% occupancy per year (see Table 5).

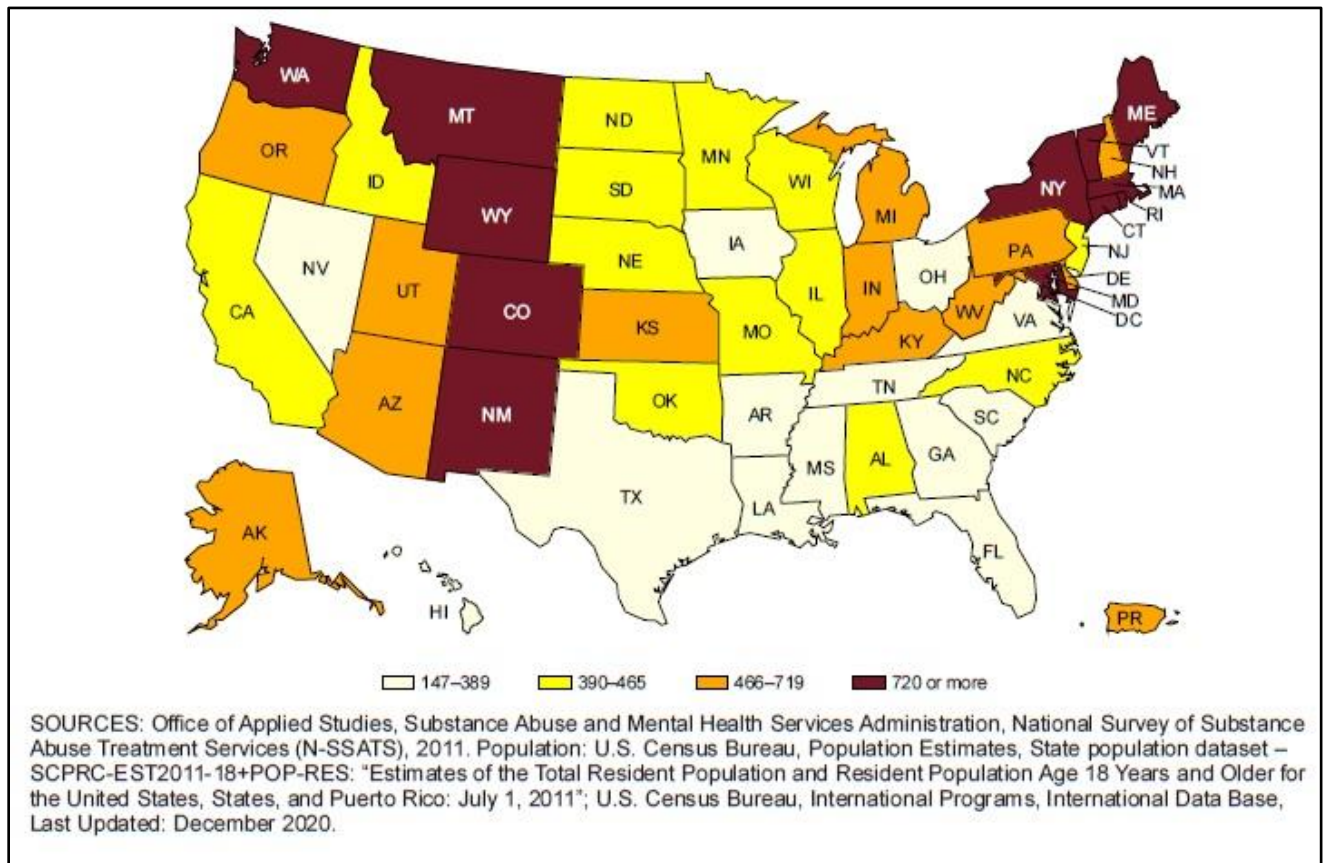


Figure 3: Clients in treatment per 100,000 population aged 18 years or older (3/31/2011)

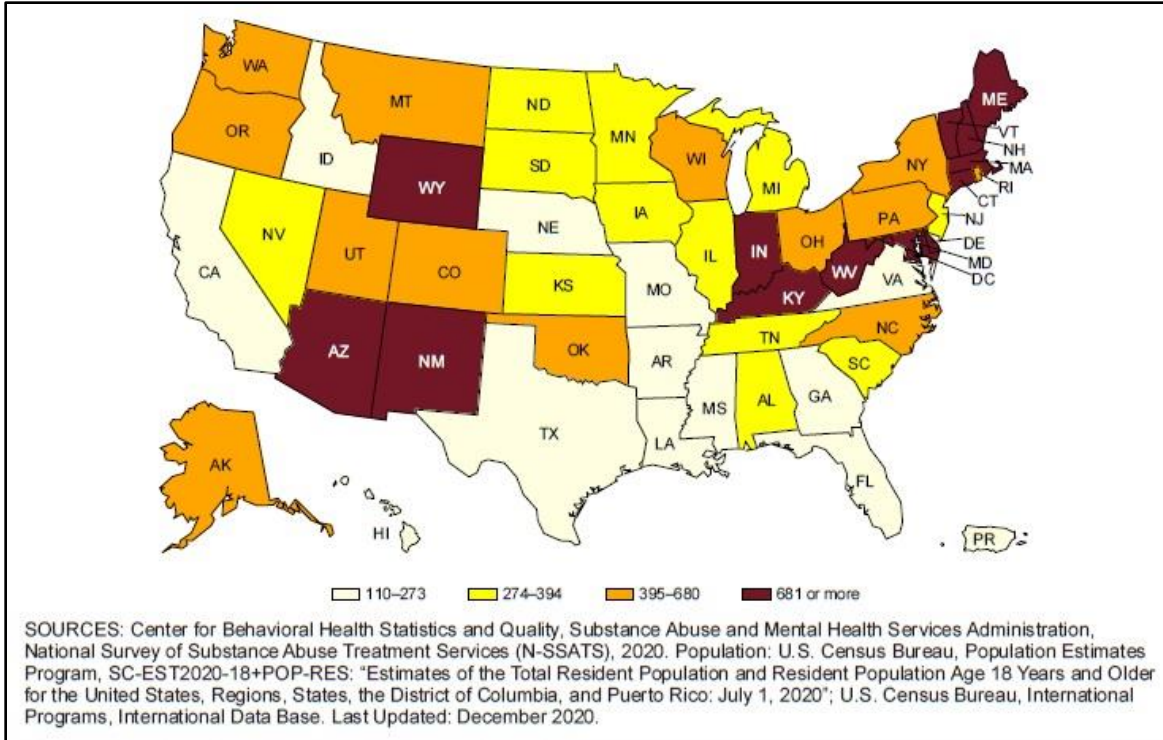


Figure 4: Clients in treatment per 100,000 population aged 18 years or older (3/31/2020)

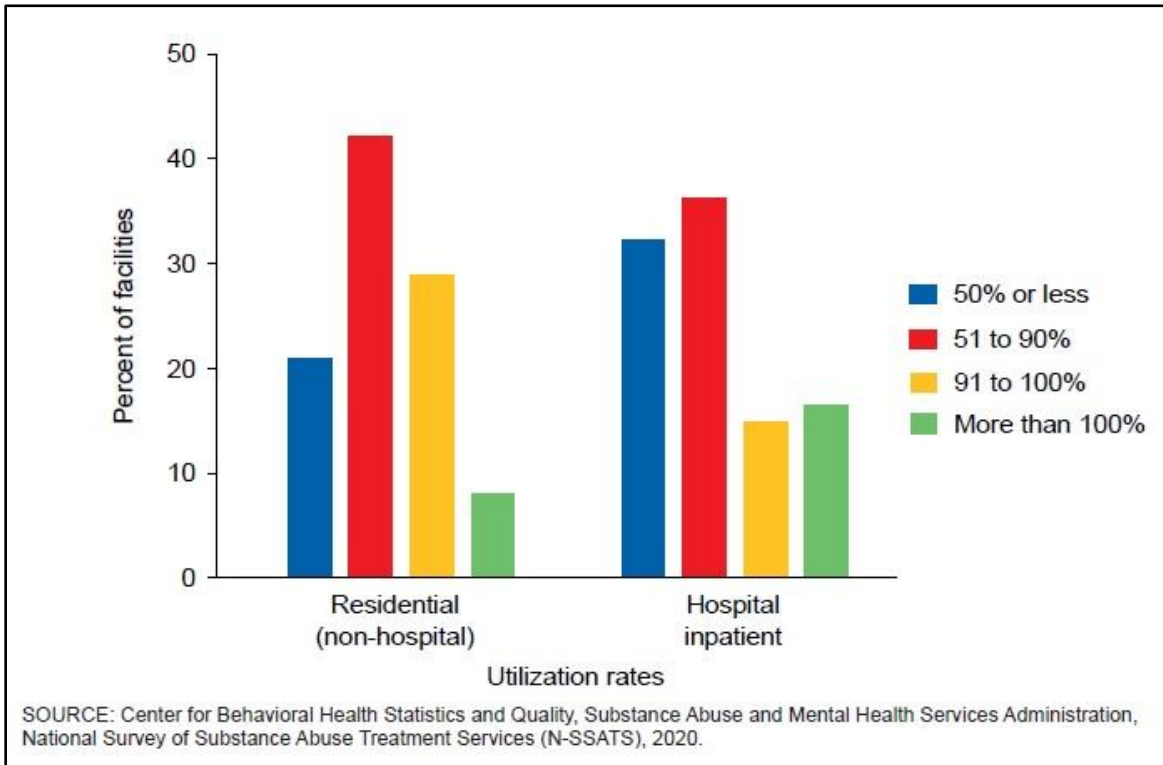


Figure 5: Residential (non-hospital) and hospital inpatient utilization rates (3/31/2020)

Conclusion:

The purpose of this study was to analytically evaluate the fiscal impact that the Greenville House PRC will have on the Town of Greenville & State of New Hampshire. It can be derived that the Greenville House PRC will in fact have a positive fiscal impact upon the town and the state through various means. The treatment facility will offer employment opportunities that are on par or above with is already available to the residents of the Town of Greenville, as well as increase local jobs reducing the amount of workplace commuters and help to lower the Greenville Unemployment Rate. The proposed treatment facility will restore the site of the under-utilized and nearly abandoned mill structure and in doing so will increase the existing property values leading to significantly larger property tax income.

The State of New Hampshire will yield returns from business tax revenues that the Greenville House PRC must pay annually. The estimated annual federal tax amounts on employee payrolls will create significant taxes for the federal government and provide a profitable business with income to the owners of the proposed Greenville House PRC when in operation into the foreseeable future.

Given treatment facility occupancy rates for Substance Abuse Treatment facilities it is reasonable to assume that the Greenville House PRC will easily obtain strong treatment resident occupancy rates that although unfortunate to the patients, are anticipated to continue to climb in the future. The trend of increased demand with little change in supply of treatment centers has created a void in the market that makes it the opportune time for Georges Realty to propose this positive project which will provide badly needed care and beds for those requiring a Process Recovery Center. **The Greenville House PRC strives to transform their patient's lives from non-functioning to a high functioning and normal life where they can once again enjoy their lives, be a joy to their families and a productive member of society.**

EXHIBIT F

Water Flow Test Report

WATER FLOW TEST REPORT



HYDRANT # & LOCATION: 21 Chamberlin Street DATE: 10/14/2022
 TEST BY: B. Eldridge Day of Week: Tuesday TIME OF DAY: 9am MIN. OF FLOW: 1
 WATER SUPPLIED BY: Greenville Water Department
 PURPOSE OF TEST: New Fire Protection Systems

DATA

FLOW HYDRANT(S)	A1	A2	A3
SIZE OPENING:	<u>2.5</u>	<u>2.5</u>	_____
COEFFICIENT:	<u>0.9</u>	<u>0.9</u>	_____
PITOT READING:	<u>67</u>	_____	_____
GPM:	<u>1373</u>	<u>0</u>	_____
TOTAL FLOW DURING TEST:	<u>1373</u> GPM		
STATIC READING:	<u>120</u> PSI	RESIDUAL: <u>115</u> PSI	
RESULTS: AT 20 PSI RESIDUAL	<u>6924</u> GPM	AT 0 PSI	<u>7641</u> GPM
ESTIMATED CONSUMPTION:	<u>0</u> GAL.		
REMARKS:	_____		

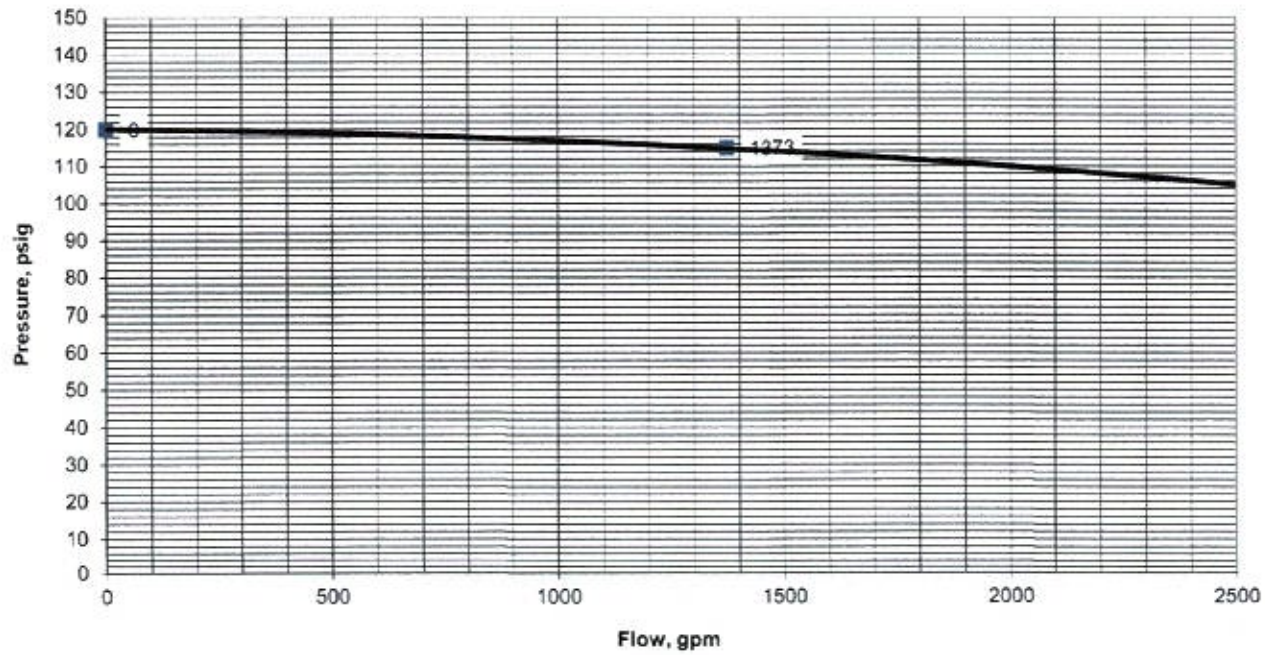




EXHIBIT G

Project Site Aerial Plans



CHAMBERLIN STREET MILL – AERIAL ELEVATION

PLAN SIZE:
 FULL SIZE PLANS ARE 24x36
 11x17 ARE APPROXIMATE HALF SCALES

**FOR APPROVAL ONLY
 NOT FOR CONSTRUCTION**

OWNER:
**MCKENAN
 PROPERTIES, LLC**
 100 CARL DRIVE
 UNIT #8
 MANCHESTER, NH. 03103

APPLICANT:
**GEORGES
 REALTY, LLC**
 c/o WIL GEORGES
 100 CARL DRIVE, 11a
 MANCHESTER, NH. 03103

**ECKMAN
 Engineering, LLC**
 1950 Lafayette Road Unit 210, PO Box 8025
 Portsmouth, New Hampshire 03802
 Phone: (603) 433-1354
 Fax: (603) 433-2367

No.	DESCRIPTION	BY	DATE

GREENVILLE HOUSE PRC – OLD MILL REHABILITATION							
TOWN	GREENVILLE, NEW HAMPSHIRE	BRIDGE NO.	----				
FEDERAL PROJECT	----	NHDOT PROJECT	N/A				
LOCATION	TOWN OF GREENVILLE TAX MAP 5, LOTS 32 & 32-1, OLD MILL OLD MILL, 21 CHAMBERLIN ST., GREENVILLE, HILLSBORO COUNTY, NH 03048						
AERIAL PHOTOGRAPH – MILL FRONT ELEVATION							
DESIGNED	DAP	BY DATE	10/22	CHECKED	DEE	BY DATE	11/22
DRAWN	JJM	BY DATE	10/22	CHECKED	DEE	BY DATE	11/22
TRACED				CHECKED			
QUANTITIES				CHECKED			
REVIEWED BY:				NHDOT PROJ. NO.		NA	
						AP-1	



PLAN SIZE:
 FULL SIZE PLANS ARE 24x36
 11x17 ARE APPROXIMATE HALF SCALES

**FOR APPROVAL ONLY
 NOT FOR CONSTRUCTION**

CHAMBERLIN FALLS HYDRO ELECTRIC POWER STATION – FRONT AERIAL ELEVATION

OWNER:
**MCKENAN
 PROPERTIES, LLC**
 100 CARL DRIVE
 UNIT #8
 MANCHESTER, NH. 03103

APPLICANT:
**GEORGES
 REALTY, LLC**
 c/o WIL GEORGES
 100 CARL DRIVE, 11a
 MANCHESTER, NH. 03103

**ECKMAN
 Engineering, LLC**
 1950 Lafayette Road Unit 210, PO Box 8025
 Portsmouth, New Hampshire 03802
 Phone: (603) 433-1354
 Fax: (603) 433-2367

No.	DESCRIPTION	BY	DATE

GREENVILLE HOUSE PRC – OLD MILL REHABILITATION			
TOWN	GREENVILLE, NEW HAMPSHIRE	BRIDGE NO.	----
FEDERAL PROJECT	----	NHDOT PROJECT	N/A
LOCATION	TOWN OF GREENVILLE TAX MAP 5, LOTS 32 & 32-1, OLD MILL OLD MILL, 21 CHAMBERLIN ST., GREENVILLE, HILLSBORO COUNTY, NH 03048		
AERIAL PHOTOGRAPH – POWER STATION FRONT ELEVATION			
DESIGNED	DAP	BY DATE	10/22
DRAWN	JJM	CHECKED	DEE 11/22
TRACED		CHECKED	DEE 11/22
QUANTITIES		CHECKED	
REVIEWED BY:		NHDOT PROJ. NO.	NA
			AP-2



PLAN SIZE:
 FULL SIZE PLANS ARE 24x36
 11x17 ARE APPROXIMATE HALF SCALES

**FOR APPROVAL ONLY
 NOT FOR CONSTRUCTION**

CHAMBERLIN FALLS HYDRO ELECTRIC POWER STATION – AERIAL ELEVATION

OWNER:
**MCKENAN
 PROPERTIES, LLC**
 100 CARL DRIVE
 UNIT #8
 MANCHESTER, NH. 03103

APPLICANT:
**GEORGES
 REALTY, LLC**
 c/o WIL GEORGES
 100 CARL DRIVE, 11a
 MANCHESTER, NH. 03103

**ECKMAN
 Engineering, LLC**
 1950 Lafayette Road Unit 210, PO Box 8025
 Portsmouth, New Hampshire 03802
 Phone: (603) 433-1354
 Fax: (603) 433-2367

No.	DESCRIPTION	BY	DATE

GREENVILLE HOUSE PRC – OLD MILL REHABILITATION			
TOWN	GREENVILLE, NEW HAMPSHIRE	BRIDGE NO.	----
FEDERAL PROJECT	----	NHDOT PROJECT	N/A
LOCATION	TOWN OF GREENVILLE TAX MAP 5, LOTS 32 & 32-1, OLD MILL OLD MILL, 21 CHAMBERLIN ST., GREENVILLE, HILLSBORO COUNTY, NH 03048		
AERIAL PHOTOGRAPH – REAR (RIVER SIDE) ELEVATION			
DESIGNED	DAP	BY DATE	10/22
DRAWN	JJM	CHECKED	DEE 11/22
TRACED		CHECKED	DEE 11/22
QUANTITIES		CHECKED	
REVIEWED BY:		NHDOT PROJ. NO.	NA
			AP-3



PLAN SIZE:
 FULL SIZE PLANS ARE 24x36
 11x17 ARE APPROXIMATE HALF SCALES

**FOR APPROVAL ONLY
 NOT FOR CONSTRUCTION**

CHAMBERLIN FALLS HYDRO DAM – AERIAL PHOTOGRAPH

OWNER:
**MCKENAN
 PROPERTIES, LLC**
 100 CARL DRIVE
 UNIT #8
 MANCHESTER, NH. 03103

APPLICANT:
**GEORGES
 REALTY, LLC**
 c/o WIL GEORGES
 100 CARL DRIVE, 11a
 MANCHESTER, NH. 03103

**ECKMAN
 Engineering, LLC**
 1950 Lafayette Road Unit 210, PO Box 8025
 Portsmouth, New Hampshire 03802
 Phone: (603) 433-1354
 Fax: (603) 433-2367

No.	DESCRIPTION	BY	DATE

GREENVILLE HOUSE PRC – OLD MILL REHABILITATION							
TOWN	GREENVILLE, NEW HAMPSHIRE			BRIDGE NO.	----		
FEDERAL PROJECT	----			NHDOT PROJECT	N/A		
LOCATION TOWN OF GREENVILLE TAX MAP 5, LOTS 32 & 32-1, OLD MILL							
OLD MILL, 21 CHAMBERLIN ST., GREENVILLE, HILLSBORO COUNTY, NH 03048							
AERIAL PHOTO – CHAMBERLIN FALLS HYDRO DAM							
DESIGNED	DAP	BY DATE	10/22	CHECKED	DEE	BY DATE	11/22
DRAWN	JJM	BY DATE	10/22	CHECKED	DEE	BY DATE	11/22
TRACED				CHECKED			
QUANTITIES				CHECKED			
REVIEWED BY:				NHDOT PROJ. NO. NA			
							AP-4



NORTHERN SIDE/BLDG END – AERIAL ELEVATION

PLAN SIZE:
 FULL SIZE PLANS ARE 24x36
 11x17 ARE APPROXIMATE HALF SCALES

**FOR APPROVAL ONLY
 NOT FOR CONSTRUCTION**

OWNER:
**MCKENAN
 PROPERTIES, LLC**
 100 CARL DRIVE
 UNIT #8
 MANCHESTER, NH. 03103

APPLICANT:
**GEORGES
 REALTY, LLC**
 c/o WIL GEORGES
 100 CARL DRIVE, 11a
 MANCHESTER, NH. 03103

**ECKMAN
 Engineering, LLC**
 1950 Lafayette Road Unit 210, PO Box 8025
 Portsmouth, New Hampshire 03802
 Phone: (603) 433-1354
 Fax: (603) 433-2367

No.	DESCRIPTION	BY	DATE

GREENVILLE HOUSE PRC – OLD MILL REHABILITATION			
TOWN	GREENVILLE, NEW HAMPSHIRE	BRIDGE NO.	----
FEDERAL PROJECT	----	NHDOT PROJECT	N/A
LOCATION	TOWN OF GREENVILLE TAX MAP 5, LOTS 32 & 32-1, OLD MILL OLD MILL, 21 CHAMBERLIN ST., GREENVILLE, HILLSBORO COUNTY, NH 03048		
AERIAL PHOTOGRAPH – NORTHERN SIDE/END ELEVATION			
DESIGNED	DAP	BY DATE	10/22
DRAWN	JJM	CHECKED	DEE 11/22
TRACED		CHECKED	DEE 11/22
QUANTITIES		CHECKED	
REVIEWED BY:		NHDOT PROJ. NO.	NA
			AP-5



PLAN SIZE:
 FULL SIZE PLANS ARE 24x36
 11x17 ARE APPROXIMATE HALF SCALES

**FOR APPROVAL ONLY
 NOT FOR CONSTRUCTION**

FRONT OF SOUTHERN ADDITION TO BE REMOVED – AERIAL ELEVATION

OWNER:
**MCKENAN
 PROPERTIES, LLC**
 100 CARL DRIVE
 UNIT #8
 MANCHESTER, NH. 03103

APPLICANT:
**GEORGES
 REALTY, LLC**
 c/o WIL GEORGES
 100 CARL DRIVE, 11a
 MANCHESTER, NH. 03103

**ECKMAN
 Engineering, LLC**
 1950 Lafayette Road Unit 210, PO Box 8025
 Portsmouth, New Hampshire 03802
 Phone: (603) 433-1354
 Fax: (603) 433-2367

No.	DESCRIPTION	BY	DATE

GREENVILLE HOUSE PRC – OLD MILL REHABILITATION			
TOWN	GREENVILLE, NEW HAMPSHIRE	BRIDGE NO.	----
FEDERAL PROJECT	----	NHDOT PROJECT	N/A
LOCATION TOWN OF GREENVILLE TAX MAP 5, LOTS 32 & 32-1, OLD MILL OLD MILL, 21 CHAMBERLIN ST., GREENVILLE, HILLSBORO COUNTY, NH 03048			
AERIAL PHOTOGRAPH – SOUTHERN ADDITION			
DESIGNED	DAP	BY DATE	DEE 11/22
DRAWN	JJM	BY DATE	DEE 11/22
TRACED		CHECKED	
QUANTITIES		CHECKED	
REVIEWED BY:		NHDOT PROJ. NO.	NA
			AP-6

EXHIBIT H

Site Plan Review Application Plans

PROPOSED GREENVILLE HOUSE PRC (PROCESS REHABILITATION CENTER) TAX MAP 5, LOTS 32 & 32-1 OLD MILL, 21 CHAMBERLIN STREET, GREENVILLE, HILLSBOROUGH COUNTY, NH 03048 DATE: NOVEMBER 9, 2022

Applicant: GEORGE'S REALTY, LLC
c/o Wilsoney Georges
100 Carl Drive, Unit 11a
Manchester, New Hampshire 03103

Owner: McKenan Properties, LLC
100 Carl Drive, Unit 8
Manchester, New Hampshire 03103

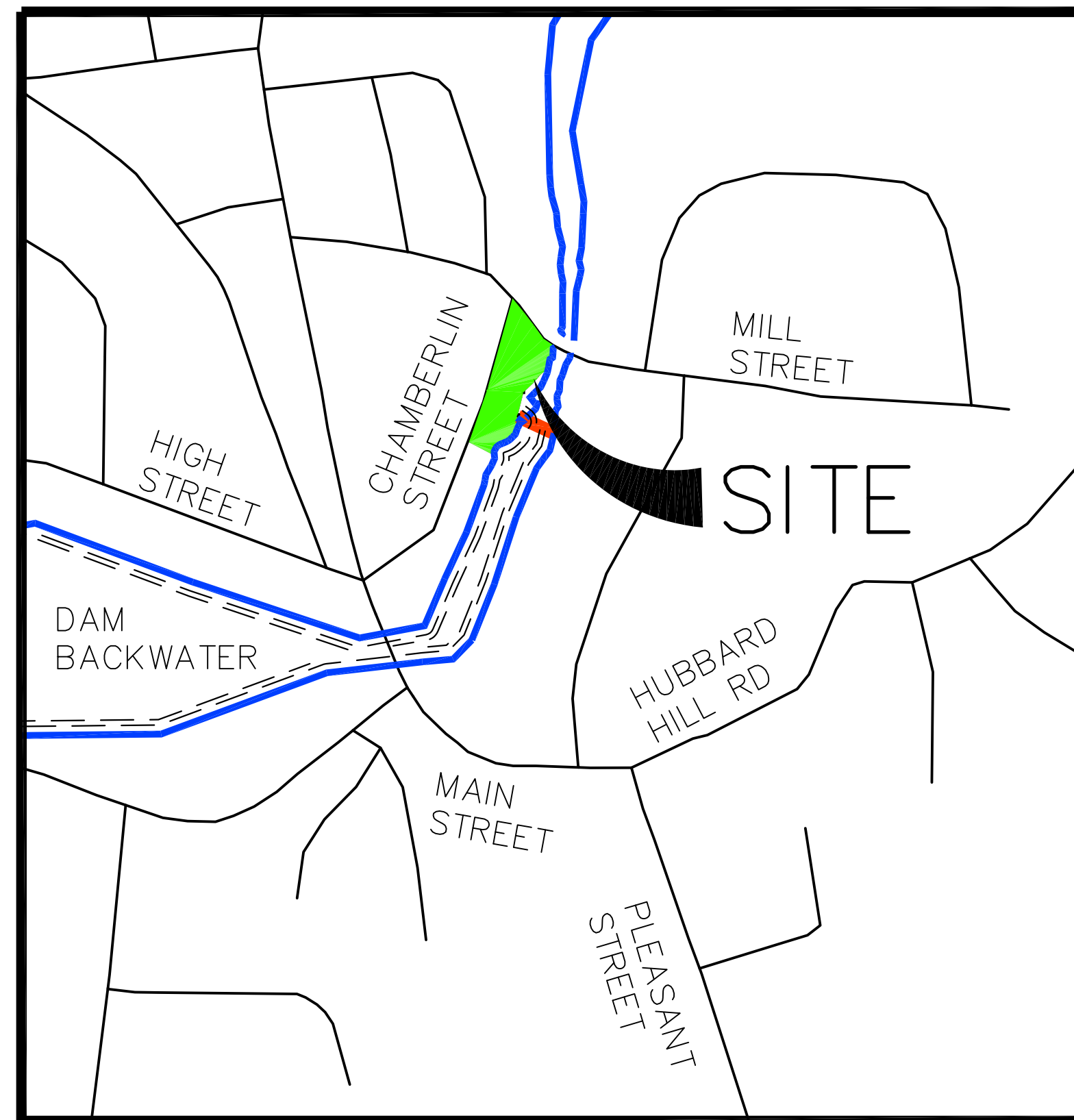
Architect: Lauer Architects, PA
118 Paige Hill Road
Goffstown, New Hampshire 03045

**Surveyor &
Civil Engineer:** ECKMAN ENGINEERING, LLC
1950 Lafayette Road
Portsmouth, New Hampshire 03802

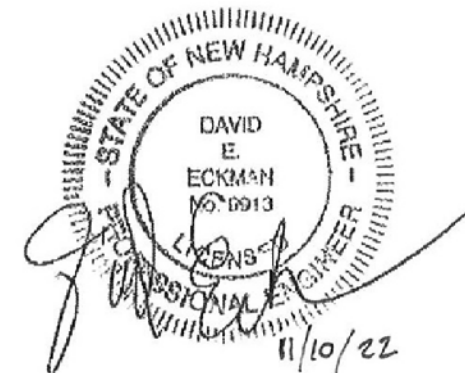
**Wetlands/Environ.
Scientist:** RCS DESIGNS
P.O. BOX 487
Bradford, New Hampshire 03221

Traffic Engineer: TEPP, LLC
93 Stiles Road, Suite 201
Salem, NH 03079

**Lighting Design
Consultant:** VISIBLE LIGHT, INC.
24 Stickney Terrace, Suite 6
Hampton, New Hampshire 03842



LOCUS (NTS)



INDEX

<u>INDEX</u>	<u>SHEET NO.(S)</u>
Cover Sheet	
Boundary Retracement Plan	BND-1
Existing Conditions & Wetland Location Plan	EX-1
Overall Existing Conditions & Offsite Parking Plan	EX-2
Site Layout Plan	C-1
Grading, Drainage, Erosion & Sediment Control Plan	C-2
Utility Plan	C-3
Landscape and Lighting Plan	C-4
Detail Sheets	D-1 thru D-7
Architectural Exist. Floor Plans	Ex. 1st & Ex. 2nd
Architectural Exist. Floor Plan	Ex. 3rd & Ex. Roof
Architectural Exist. Elevations	Ex. Elev 1 & Ex. Elev 2
Architectural Floor Plans	1st & 2nd
Architectural Floor Plan	3rd & Roof
Architectural Elevations	Elev 1 & Elev 2

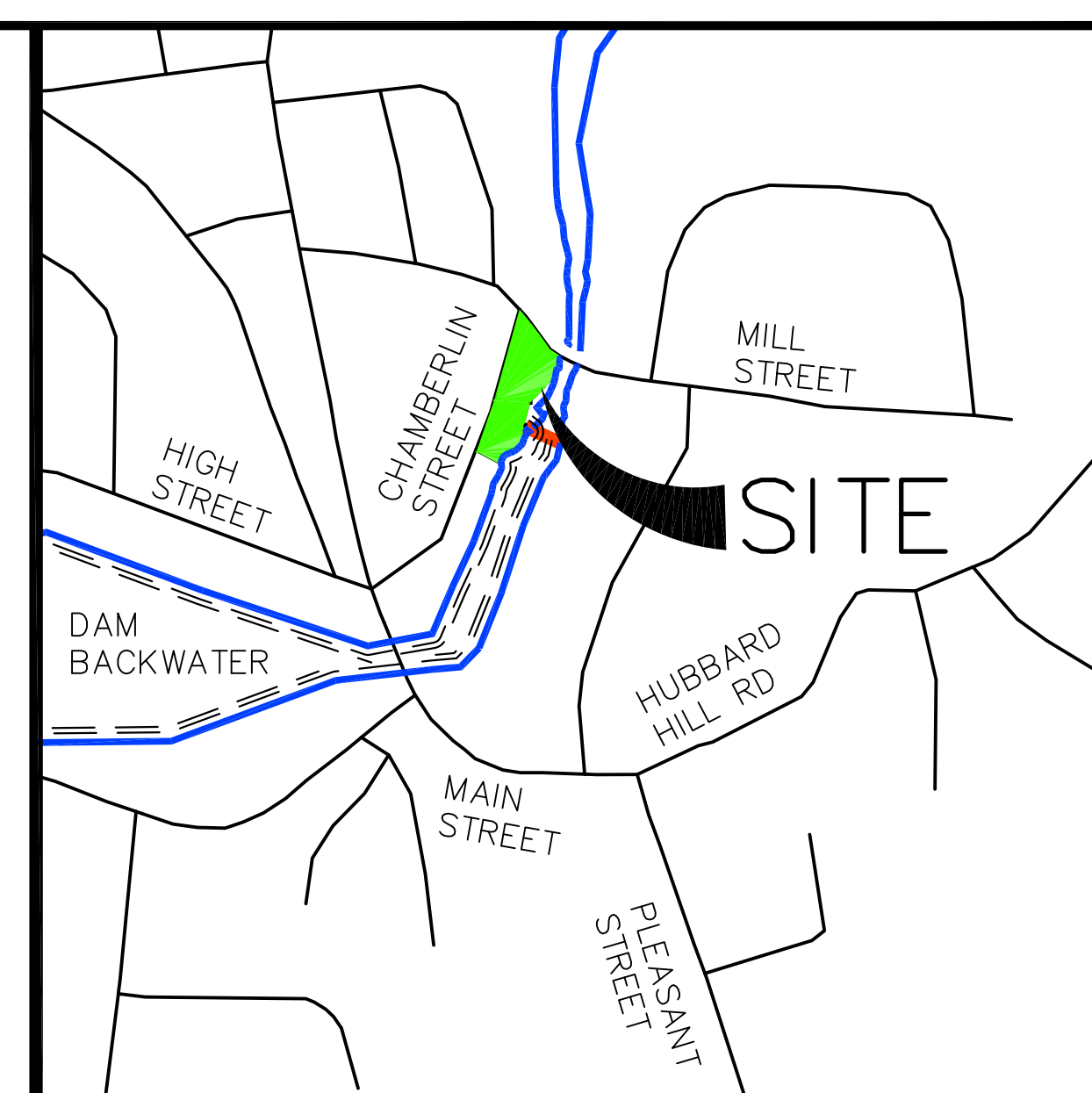
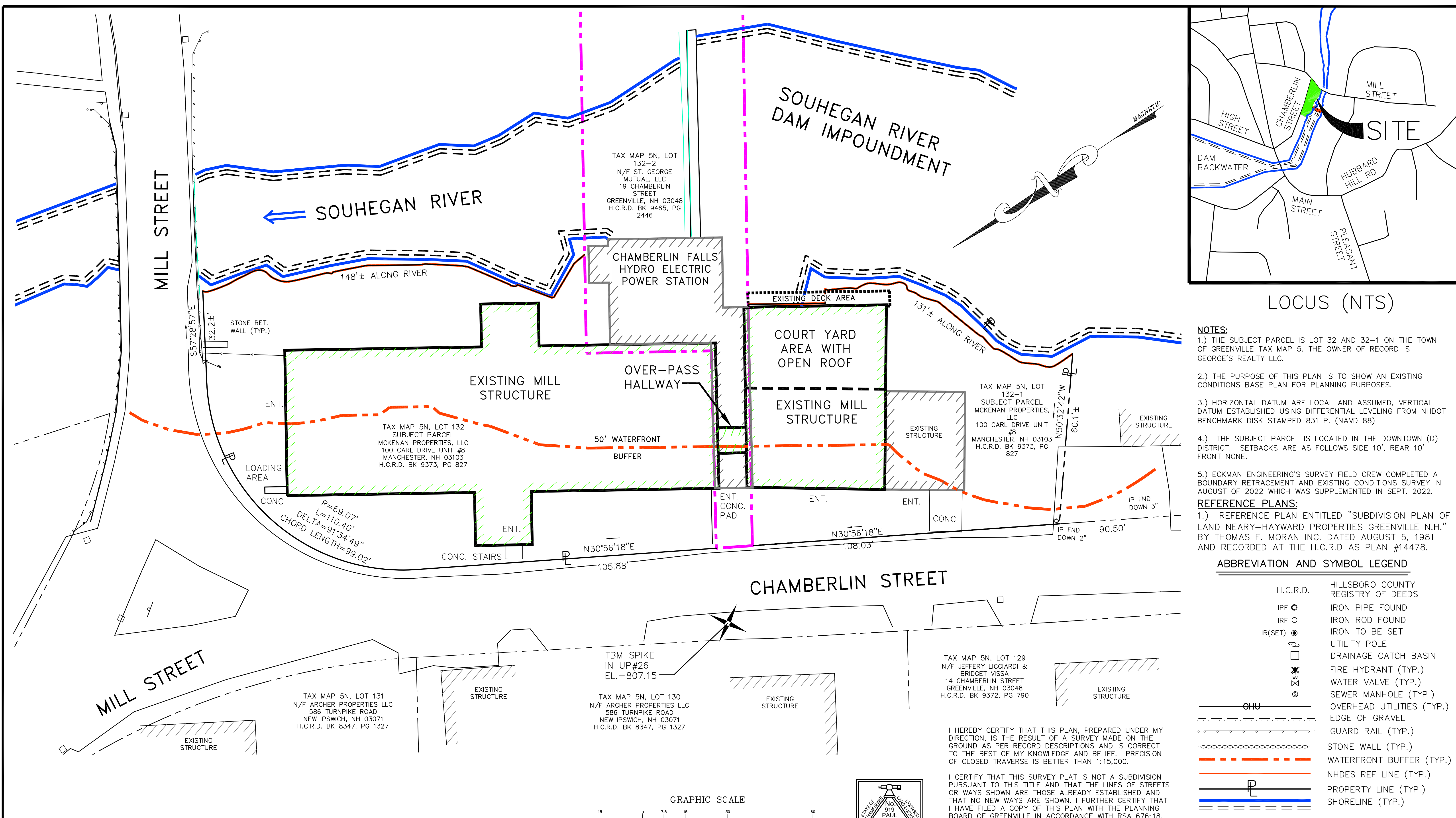
PLAN SIZE:
FULL SIZE PLANS ARE 24x36
11x17 ARE APPROXIMATE HALF SCALES

**FOR APPROVAL ONLY
NOT FOR CONSTRUCTION**

<p><small>OWNER:</small> MCKENAN PROPERTIES, LLC 100 CARL DRIVE UNIT #8 MANCHESTER, NH. 03103</p>	<p><small>APPLICANT:</small> GEORGES REALTY, LLC c/o WIL GEORGES 100 CARL DRIVE, 11a MANCHESTER, NH. 03103</p>	<p>ECKMAN Engineering, LLC 1950 Lafayette Road Unit 210, PO Box 8025 Portsmouth, New Hampshire 03802 Phone: (603) 433-1354 Fax: (603) 433-2367</p>
--	---	---

No.	DESCRIPTION	BY	DATE

GREENVILLE HOUSE PRC – OLD MILL REHABILITATION			
TOWN GREENVILLE, NEW HAMPSHIRE		BRIDGE NO. -----	
FEDERAL PROJECT -----		NH DOT PROJECT N/A	
LOCATION TOWN OF GREENVILLE TAX MAP 5, LOTS 32 & 32-1, OLD MILL OLD MILL, 21 CHAMBERLIN ST., GREENVILLE, HILLSBORO COUNTY, NH 03048			
COVER SHEET			
DESIGNED SRP	BY DATE 10/22	CHECKED DEE	BY DATE 11/22
DRAWN JUM	BY DATE 10/22	CHECKED DEE	BY DATE 11/22
TRACED		CHECKED	
QUANTITIES		CHECKED	
REVIEWED BY:		NH DOT PROJ. NO.	NA



LOCUS (NTS)

NOTES:

- 1.) THE SUBJECT PARCEL IS LOT 32 AND 32-1 ON THE TOWN OF GREENVILLE TAX MAP 5. THE OWNER OF RECORD IS GEORGE'S REALTY LLC.
- 2.) THE PURPOSE OF THIS PLAN IS TO SHOW AN EXISTING CONDITIONS BASE PLAN FOR PLANNING PURPOSES.
- 3.) HORIZONTAL DATUM ARE LOCAL AND ASSUMED, VERTICAL DATUM ESTABLISHED USING DIFFERENTIAL LEVELING FROM NHDOT BENCHMARK DISK STAMPED 831 P. (NAVD 88)
- 4.) THE SUBJECT PARCEL IS LOCATED IN THE DOWNTOWN (D) DISTRICT. SETBACKS ARE AS FOLLOWS SIDE 10', REAR 10' FRONT NONE.
- 5.) ECKMAN ENGINEERING'S SURVEY FIELD CREW COMPLETED A BOUNDARY RETRACEMENT AND EXISTING CONDITIONS SURVEY IN AUGUST OF 2022 WHICH WAS SUPPLEMENTED IN SEPT. 2022.

REFERENCE PLANS:

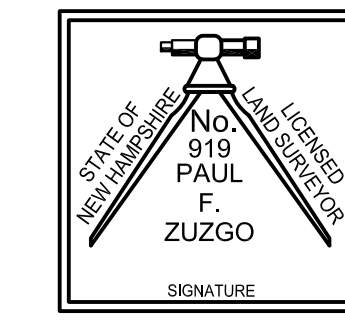
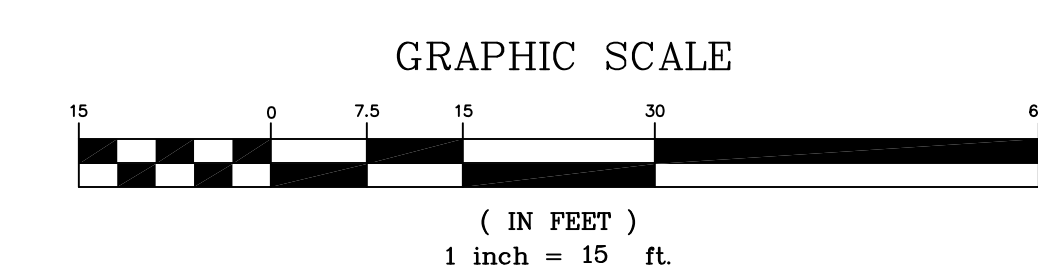
- 1.) REFERENCE PLAN ENTITLED "SUBDIVISION PLAN OF LAND NEARY-HAYWARD PROPERTIES GREENVILLE N.H." BY THOMAS F. MORAN INC. DATED AUGUST 5, 1981 AND RECORDED AT THE H.C.R.D AS PLAN #14478.

ABBREVIATION AND SYMBOL LEGEND

H.C.R.D.	HILLSBORO COUNTY REGISTRY OF DEEDS
IPF ○	IRON PIPE FOUND
IRF ○	IRON ROD FOUND
IR(SET) ●	IRON TO BE SET
○	UTILITY POLE
□	DRAINAGE CATCH BASIN
⊙	FIRE HYDRANT (TYP.)
⊕	WATER VALVE (TYP.)
⊗	SEWER MANHOLE (TYP.)
— OHU —	OVERHEAD UTILITIES (TYP.)
---	EDGE OF GRAVEL
—	GUARD RAIL (TYP.)
—	STONE WALL (TYP.)
---	WATERFRONT BUFFER (TYP.)
---	NHDES REF LINE (TYP.)
---	PROPERTY LINE (TYP.)
---	SHORELINE (TYP.)

I HEREBY CERTIFY THAT THIS PLAN, PREPARED UNDER MY DIRECTION, IS THE RESULT OF A SURVEY MADE ON THE GROUND AS PER RECORD DESCRIPTIONS AND IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. PRECISION OF CLOSED TRAVERSE IS BETTER THAN 1:15,000.

I CERTIFY THAT THIS SURVEY PLAT IS NOT A SUBDIVISION PURSUANT TO THIS TITLE AND THAT THE LINES OF STREETS OR WAYS SHOWN ARE THOSE ALREADY ESTABLISHED AND THAT NO NEW WAYS ARE SHOWN. I FURTHER CERTIFY THAT I HAVE FILED A COPY OF THIS PLAN WITH THE PLANNING BOARD OF GREENVILLE IN ACCORDANCE WITH RSA 676:18.



PAUL F. ZUZGO / C.L.S. #919
DATE: 8/25/22

PLAN SIZE:
FULL SIZE PLANS ARE 24x36
11x17 ARE APPROXIMATE HALF SCALES

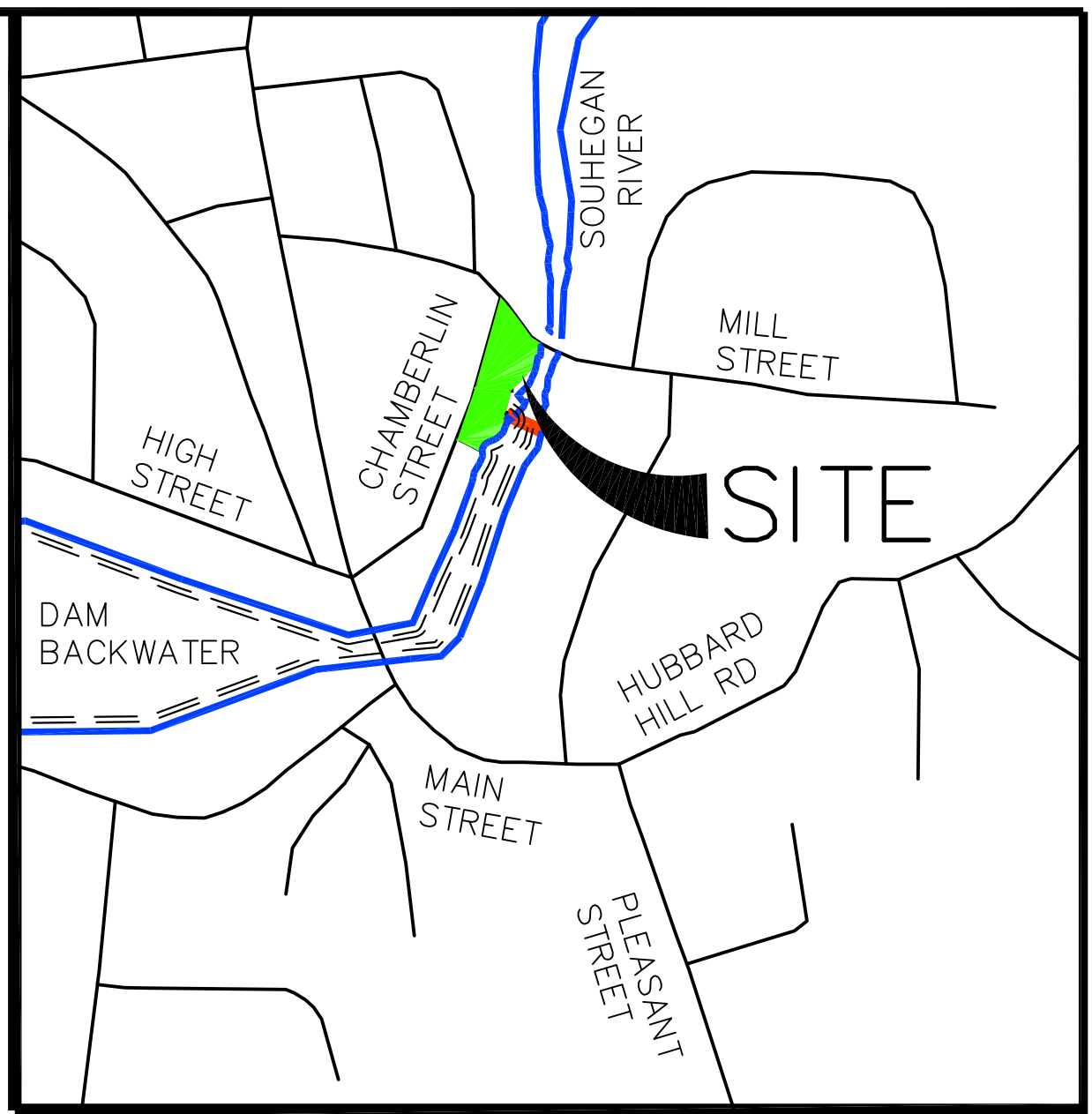
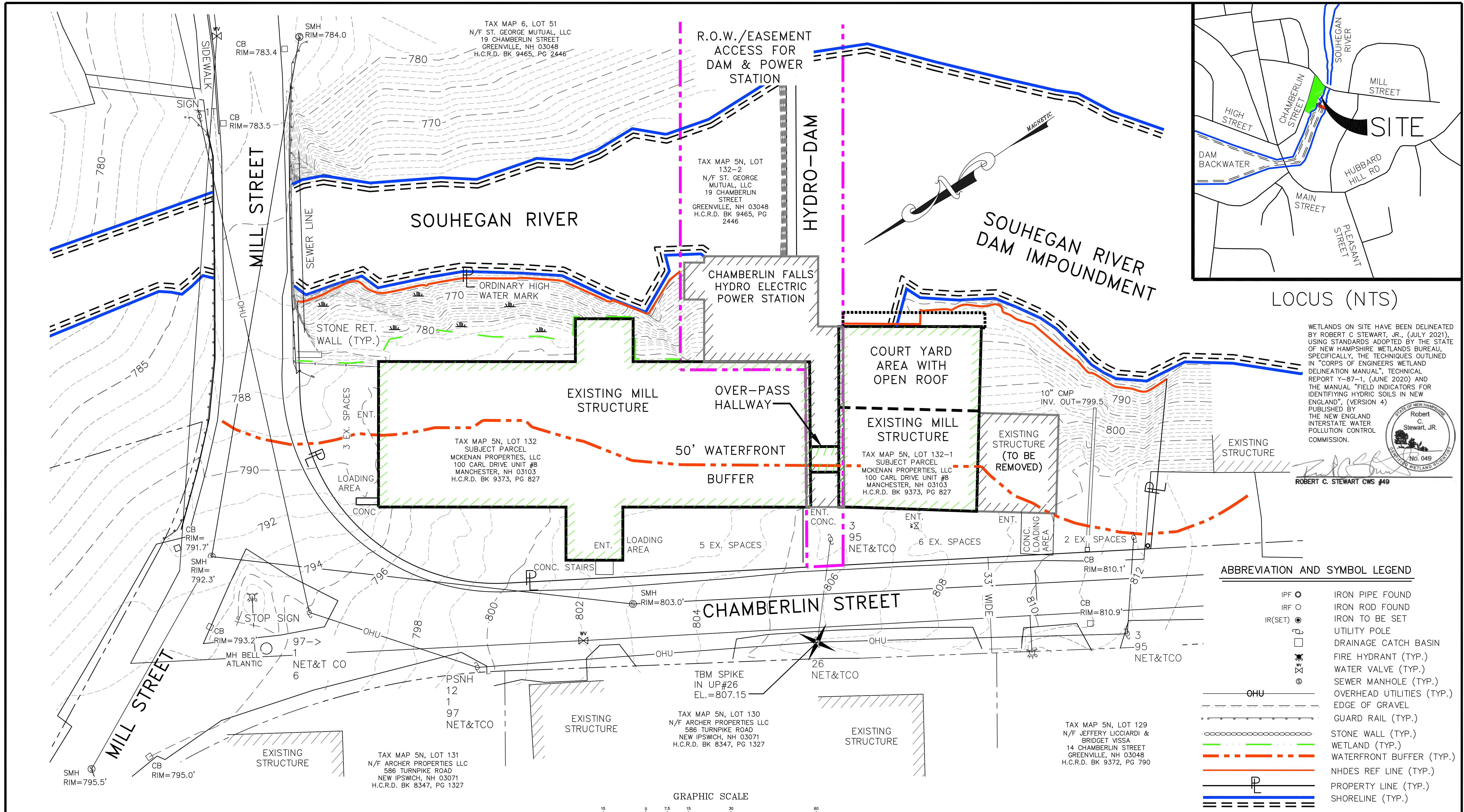
**FOR APPROVAL ONLY
NOT FOR CONSTRUCTION**

OWNER: MCKENAN PROPERTIES, LLC 100 CARL DRIVE UNIT #8 MANCHESTER, NH. 03103	APPLICANT: GEORGES REALTY, LLC c/o WIL GEORGES 100 CARL DRIVE, 11a MANCHESTER, NH. 03103	ECKMAN Engineering, LLC 1950 Lafayette Road Unit 210, PO Box 8025 Portsmouth, New Hampshire 03802 Phone: (603) 433-1354 Fax: (603) 433-2367
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No.	DESCRIPTION	BY	DATE
1	MISCELLANEOUS BUILDING & PLAN NOTE UPDATES	DEE	12/22

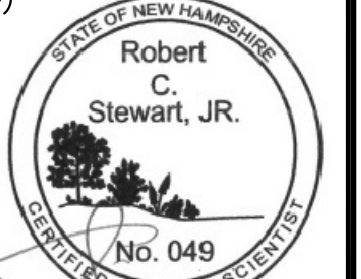
GREENVILLE HOUSE PRC - OLD MILL REHABILITATION

TOWN	GREENVILLE, NEW HAMPSHIRE	BRIDGE NO.	----
FEDERAL PROJECT	----	NHDOT PROJECT	N/A
LOCATION	TOWN OF GREENVILLE TAX MAP 5, LOTS 32 & 32-1 OLD MILL, CHAMBERLIN ST., GREENVILLE, HILLSBOROUGH, NH		
BOUNDARY RETRACEMENT PLAN			
DESIGNED	SRP	BY DATE	8/22
DRAWN	JJM	CHECKED	DEE/PFZ 8/22
TRACED		CHECKED	PFZ 8/22
QUANTITIES		CHECKED	
REVIEWED BY:	NHDOT PROJ. NO.		NA
			BND-1



LOCUS (NTS)

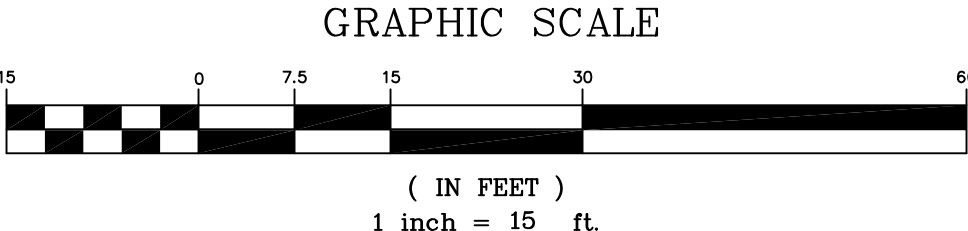
WETLANDS ON SITE HAVE BEEN DELINEATED BY ROBERT C STEWART, JR., (JULY 2021), USING STANDARDS ADOPTED BY THE STATE OF NEW HAMPSHIRE WETLANDS BUREAU, SPECIFICALLY, THE TECHNIQUES OUTLINED IN "CORPS OF ENGINEERS WETLAND DELINEATION MANUAL", TECHNICAL REPORT Y-87-1, (JUNE 2020) AND THE MANUAL "FIELD INDICATORS FOR IDENTIFYING HYDRIC SOILS IN NEW ENGLAND", (VERSION 4) PUBLISHED BY THE NEW ENGLAND INTERSTATE WATER POLLUTION CONTROL COMMISSION.



ROBERT C. STEWART CWS #49

ABBREVIATION AND SYMBOL LEGEND

- IPF ○ IRON PIPE FOUND
- IRF ○ IRON ROD FOUND
- IR(SET) ● IRON TO BE SET
- UTILITY POLE
- DRAINAGE CATCH BASIN
- ⊗ FIRE HYDRANT (TYP.)
- ⊗ WATER VALVE (TYP.)
- ⊗ SEWER MANHOLE (TYP.)
- OHU OVERHEAD UTILITIES (TYP.)
- EDGE OF GRAVEL
- GUARD RAIL (TYP.)
- STONE WALL (TYP.)
- WETLAND (TYP.)
- WATERFRONT BUFFER (TYP.)
- NHDES REF LINE (TYP.)
- PROPERTY LINE (TYP.)
- SHORELINE (TYP.)



PLAN SIZE:
FULL SIZE PLANS ARE 24x36
11x17 ARE APPROXIMATE HALF SCALES

**FOR APPROVAL ONLY
NOT FOR CONSTRUCTION**

OWNER: **MCKENAN PROPERTIES, LLC**
100 CARL DRIVE UNIT #8 MANCHESTER, NH. 03103

APPLICANT: **GEORGES REALTY, LLC**
c/o WIL GEORGES 100 CARL DRIVE, 11a MANCHESTER, NH. 03103

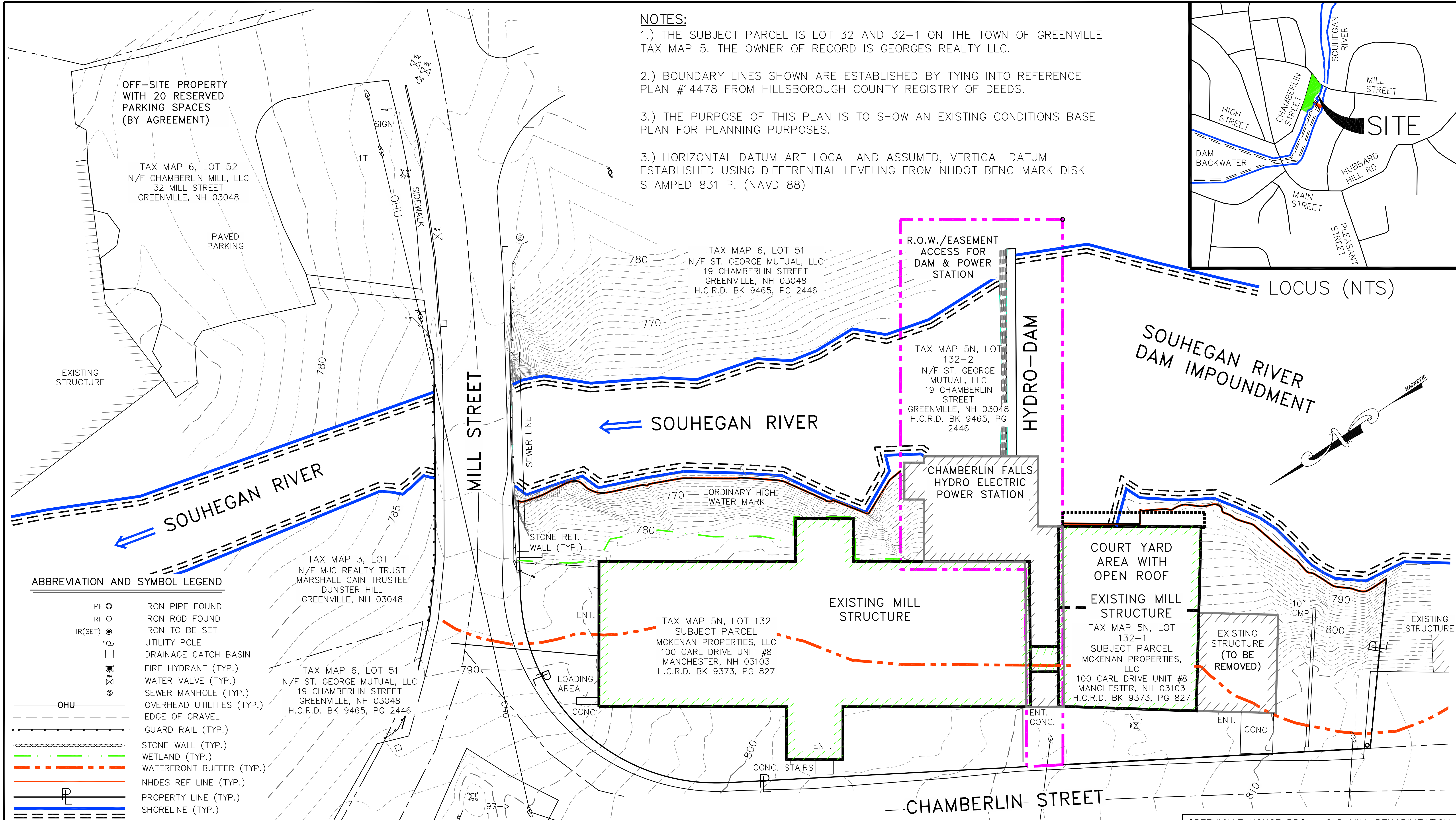
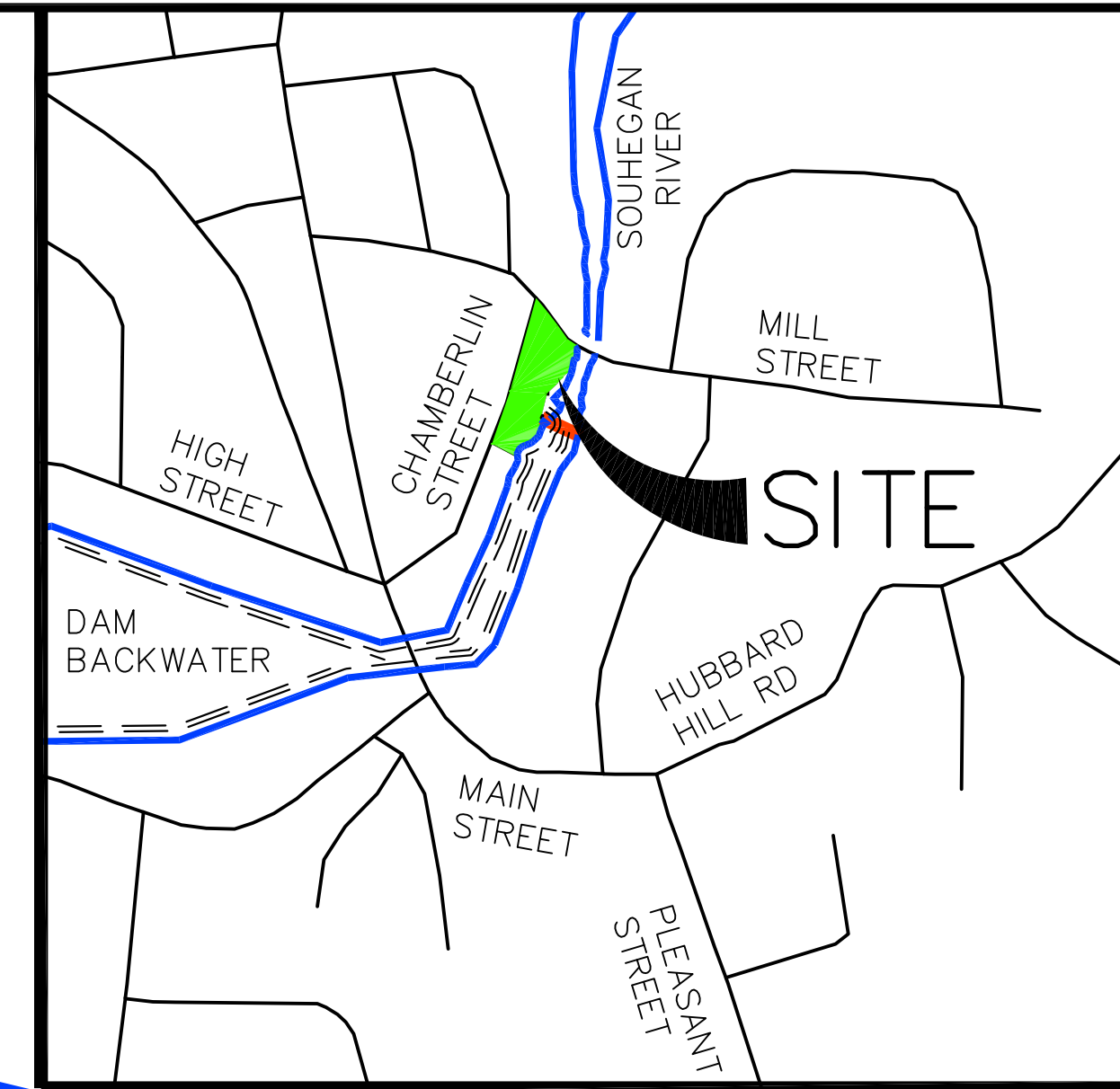
ECKMAN Engineering, LLC
1950 Lafayette Road Unit 210, PO Box 8025
Portsmouth, New Hampshire 03802
Phone: (603) 433-1354
Fax: (603) 433-2367

No.	DESCRIPTION	BY	DATE
1	MISCELLANEOUS BUILDING & PLAN NOTE UPDATES	DEE	12/22

GREENVILLE HOUSE PRC – OLD MILL REHABILITATION			
TOWN	GREENVILLE, NEW HAMPSHIRE	BRIDGE NO.	----
FEDERAL PROJECT	-----	NHDOT PROJECT	N/A
LOCATION	TOWN OF GREENVILLE TAX MAP 5, LOTS 32 & 32-1 OLD MILL, CHAMBERLIN ST., GREENVILLE, HILLSBOROUGH, NH		
EXISTING CONDITIONS & WETLAND LOCATION PLAN			
DESIGNED	SRP	BY DATE	10/22
DRAWN	JUM	CHECKED	DEE 11/22
TRACED		CHECKED	DEE 11/22
QUANTITIES		CHECKED	
REVIEWED BY:		NHDOT PROJ. NO.	NA
		EE PROJ. NO.	22-105
		DWG FILE	22-105_ENG
			EX-1

NOTES:

- 1.) THE SUBJECT PARCEL IS LOT 32 AND 32-1 ON THE TOWN OF GREENVILLE TAX MAP 5. THE OWNER OF RECORD IS GEORGES REALTY LLC.
- 2.) BOUNDARY LINES SHOWN ARE ESTABLISHED BY TYING INTO REFERENCE PLAN #14478 FROM HILLSBOROUGH COUNTY REGISTRY OF DEEDS.
- 3.) THE PURPOSE OF THIS PLAN IS TO SHOW AN EXISTING CONDITIONS BASE PLAN FOR PLANNING PURPOSES.
- 3.) HORIZONTAL DATUM ARE LOCAL AND ASSUMED, VERTICAL DATUM ESTABLISHED USING DIFFERENTIAL LEVELING FROM NHDOT BENCHMARK DISK STAMPED 831 P. (NAVD 88)



ABBREVIATION AND SYMBOL LEGEND

- IPF ○ IRON PIPE FOUND
- IRF ○ IRON ROD FOUND
- IR(SET) ○ IRON TO BE SET
- UTILITY POLE
- DRAINAGE CATCH BASIN
- ⊕ FIRE HYDRANT (TYP.)
- ⊕ WATER VALVE (TYP.)
- ⊕ SEWER MANHOLE (TYP.)
- ⊕ OVERHEAD UTILITIES (TYP.)
- OHU OVERHEAD UTILITIES (TYP.)
- EDGE OF GRAVEL
- GUARD RAIL (TYP.)
- STONE WALL (TYP.)
- WETLAND (TYP.)
- WATERFRONT BUFFER (TYP.)
- NHDES REF LINE (TYP.)
- PROPERTY LINE (TYP.)
- SHORELINE (TYP.)

PLAN SIZE:
 FULL SIZE PLANS ARE 24x36
 11x17 ARE APPROXIMATE HALF SCALES

FOR APPROVAL ONLY
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OWNER:
MCKENAN PROPERTIES, LLC
 100 CARL DRIVE
 UNIT #8
 MANCHESTER, NH. 03103

APPLICANT:
GEORGES REALTY, LLC
 c/o WIL GEORGES
 100 CARL DRIVE, 11a
 MANCHESTER, NH. 03103

ECKMAN Engineering, LLC
 1950 Lafayette Road Unit 210, PO Box 8025
 Portsmouth, New Hampshire 03802
 Phone: (603) 433-1354
 Fax: (603) 433-2367

No.	DESCRIPTION	BY	DATE
1	MISCELLANEOUS BUILDING & PLAN NOTE UPDATES	DEE	12/22
REVISIONS			

GREENVILLE HOUSE PRC – OLD MILL REHABILITATION			
TOWN	GREENVILLE, NEW HAMPSHIRE	BRIDGE NO.	----
FEDERAL PROJECT	-----	NHDOT PROJECT	N/A
LOCATION TOWN OF GREENVILLE TAX MAP 5, LOTS 32 & 32-1 OLD MILL, CHAMBERLIN ST., GREENVILLE, HILLSBOROUGH, NH			
OVERALL EXISTING COND. & OFFSITE PARKING PLAN			
DESIGNED	SRP	BY DATE	10/22
DRAWN	JJM	CHECKED	DEE 11/22
TRACED		CHECKED	DEE 11/22
QUANTITIES		CHECKED	
REVIEWED BY:		NHDOT PROJ. NO.	NA
		EE PROJ. NO.	22-105
		DWG FILE	22-105_ENG
		EX-2	

DOWNTOWN (D) DISTRICT: SITE DATA BLOCK			
DESCRIPTION	REQUIREMENT	EXISTING	PROPOSED
MAX. STORIES	2 1/2	2 1/2N/A	2 1/2
SIDE SETBACK	10'	38.84'±	38.84'
REAR SETBACK	10'	34.96'±	34.96'
FRONT SETBACK	NONE	N/A	N/A
MAX BLDG COVERAGE %	NONE	N/A	N/A
GREEN SPACE BELT WIDTH	NONE	N/A	N/A
MINIMUM GREEN SPACE	NONE	N/A	N/A
MINIMUM FRONTAGE ON TOWN SEWER LINE	35'	352.13'±	352.13'
MINIMUM FRONTAGE OFF TOWN SEWER LINE	N/A	N/A	N/A
MINIMUM AREA ON TOWN SEWER LINE	EXISTING	9,000 S.F.±	19,000 SF
MINIMUM AREA OFF TOWN SEWER LINE	N/A	N/A	N/A
GREENVILLE HOUSE PROCESS REHABILITATION CENTER (PRC) PARKING REQUIREMENTS	9 DIRECT CARE STAFF 6 THERAPISTS 3 CASE MANAGERS 3 DIRECTORS 7 SUPPORT STAFF 28 SPACES	16 SPACES	12 ON-SITE SPACES 20 OFF-SITE SPACES 32 SPACES PROVIDED

APPROVED BY THE GREENVILLE, NH PLANNING BOARD

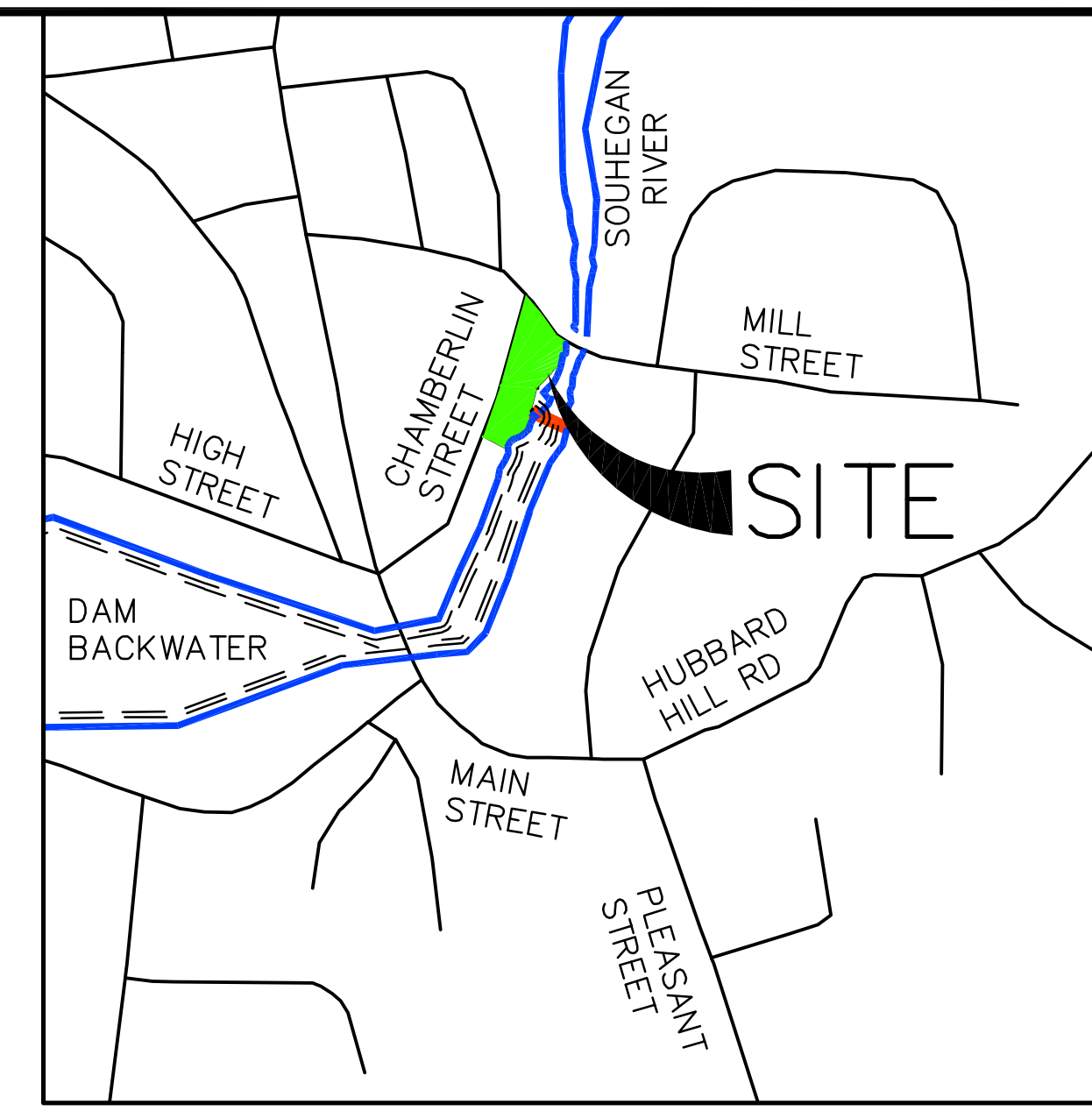
CHAIRMAN _____ DATE _____

MEMBER _____

MEMBER _____

MEMBER _____

MEMBER _____

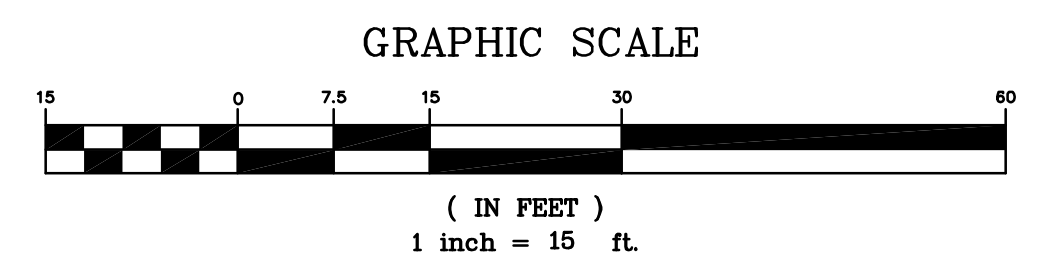
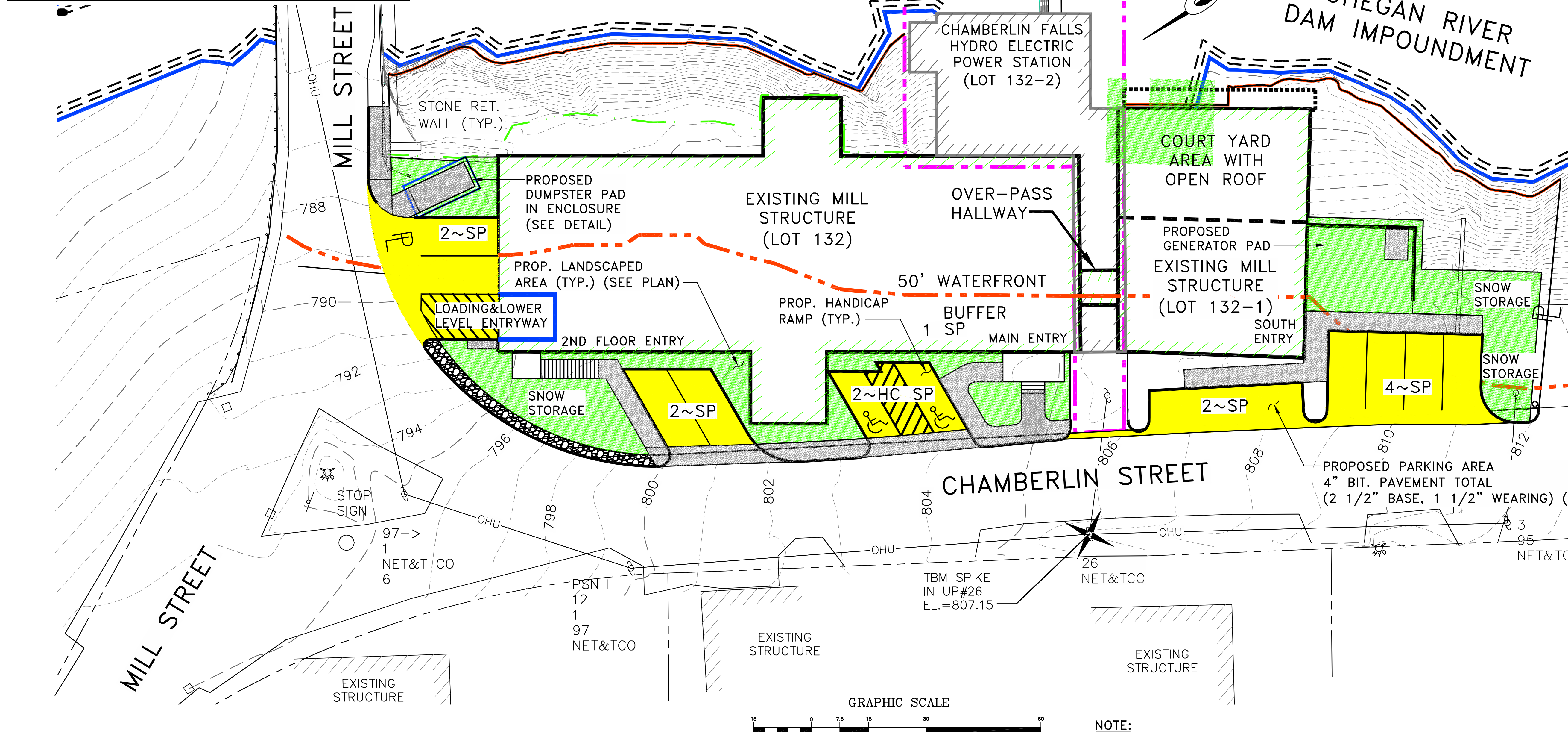


LOCUS (NTS)

- PROJECT & SITE NOTES:**
- PROJECT IS LOCATED WITHIN THE NHDES SHORELAND PROTECTION AREA AND AN NHDES PERMIT IS REQUIRED.
 - REHABILITATION WORK SHALL COMPLY WITH NH BUILDING CODES AS OUTLINED IN RSA 155-A:1 (IV) & 155-A:2.
 - REHABILITATION WORK SHALL COMPLY WITH NH FIRE CODE AS OUTLINED IN RSA 153-(LIFE SAFETY CODE 2009, SAF-c 6000 RULES & THE UNIFORM FIRE CODE NFPA1, 2009 EDITION).
- LAYOUT AND MATERIAL NOTES:**
- ALL PAVEMENT MARKINGS AND SIGNS TO CONFORM TO "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", "STANDARD ALPHABET FOR HIGHWAY SIGNS AND PAVEMENT MARKINGS" AND "THE AMERICAN WITH DISABILITIES ACT REQUIREMENTS", LATEST EDITIONS.
 - AREAS DISTURBED DURING CONSTRUCTION NOT RECEIVING IMPERVIOUS SURFACES (I.E. PAVEMENT, CONCRETE, BUILDINGS, ET.) SHALL RECEIVE A MINIMUM OF 4" OF LOAM AND SEED.
 - ALL HANDICAP PARKING SPACES, RAMPS, AND SIDEWALKS SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE AMERICANS WITH DISABILITY ACT (ADA), STATE, AND LOCAL CODES (WHICHEVER IS MORE STRINGENT).

ABBREVIATION AND SYMBOL LEGEND

IPF ○	IRON PIPE FOUND
IRF ○	IRON ROD FOUND
IR(SET) ○	IRON TO BE SET
○	UTILITY POLE
□	DRAINAGE CATCH BASIN
⊕	FIRE HYDRANT (TYP.)
⊕	WATER VALVE (TYP.)
⊕	SEWER MANHOLE (TYP.)
OHU	OVERHEAD UTILITIES (TYP.)
---	EDGE OF GRAVEL
---	GUARD RAIL (TYP.)
---	STONE WALL (TYP.)
---	WATERFRONT BUFFER (TYP.)
---	NHDES REF LINE (TYP.)
---	PROPERTY LINE (TYP.)
---	SHORELINE (TYP.)



NOTE:
35 PARKING SPACES PROVIDED (15 ON-SITE SPACES ALONG WITH 20 OFF-SITE SPACES RESERVED BY AGREEMENT ON TAX MAP 6, LOT 52 WHICH IS 250- FEET FROM ENTRANCE TO BUILDING).

PLAN SIZE:
FULL SIZE PLANS ARE 24x36
11x17 ARE APPROXIMATE HALF SCALES

**FOR APPROVAL ONLY
NOT FOR CONSTRUCTION**

OWNER:
MCKENAN PROPERTIES, LLC
100 CARL DRIVE
UNIT #8
MANCHESTER, NH. 03103

CLIENT:
GEORGES REALTY, LLC
c/o WIL GEORGES
100 CARL DRIVE, 11a
MANCHESTER, NH. 03103

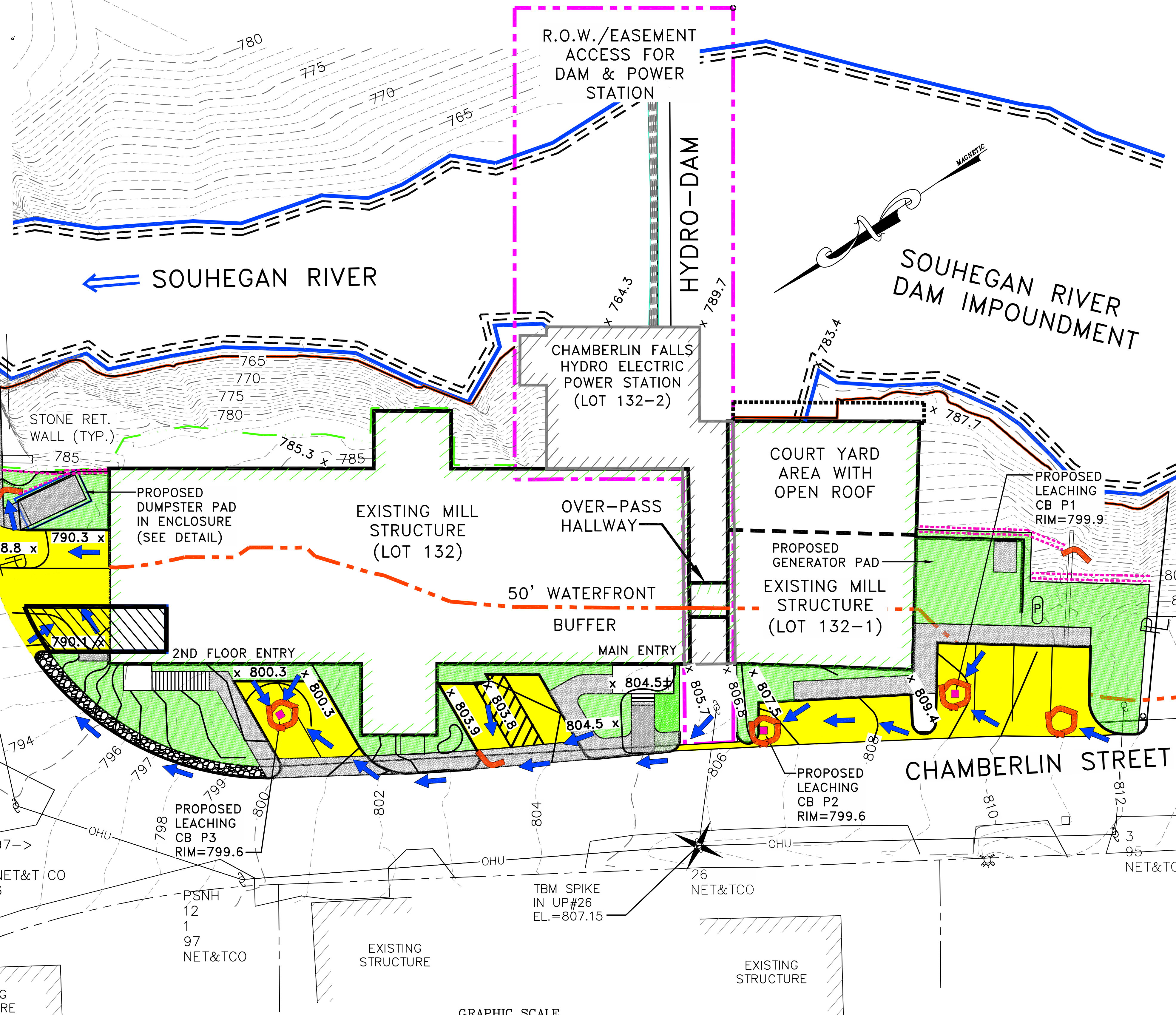
ECKMAN Engineering, LLC
1950 Lafayette Road Unit 210, P.O. Box 8025
Portsmouth, New Hampshire 03802
Phone: (603) 433-1354
Fax: (603) 433-2367

No.	DESCRIPTION	BY	DATE
2	PER 12-7-22 PLANNING BOARD MTG COMMENTS	DEE	12/22
1	MISCELLANEOUS PARKING, PLAN & NOTE UPDATES	DEE	12/22

SITE LAYOUT PLAN			
DESIGNED	SRP	BY DATE	10/22
DRAWN	JJM	CHECKED	DEE 11/22
TRACED		CHECKED	DEE 11/22
QUANTITIES		CHECKED	
REVIEWED BY:		NHDOT PROJ. NO.	NA
		EE PROJ. NO.	22-105
		DWG FILE	22-105_ENG
			C-1

ABBREVIATION AND SYMBOL LEGEND

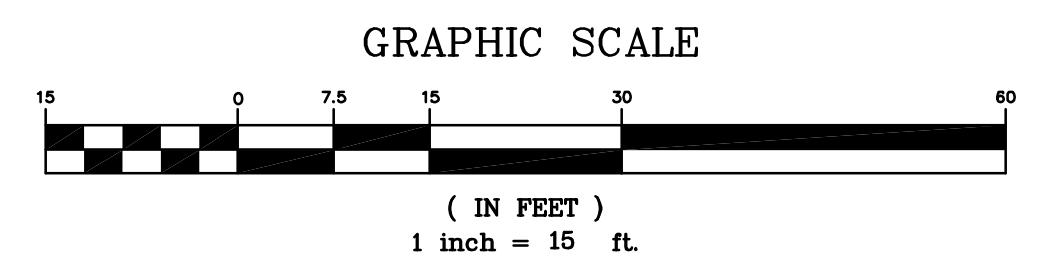
- 790.3 x PROPOSED SPOT ELEVATION (TYP.)
- PROPOSED LEACHING CATCH BASIN
- CRUSHED STONE INLET PROTECTION
- DRAINAGE FLOW ARROWS
- CRUSHED STONE CHECK DAMS
- SILT FENCE OR SILT SOCK
- EDGE OF GRAVEL GUARD RAIL (TYP.)
- STONE WALL (TYP.)
- WATERFRONT BUFFER (TYP.)
- NHDES REF LINE (TYP.)
- PROPERTY LINE (TYP.)
- SHORELINE (TYP.)



- GRADING NOTES**
- 1.) LOW SPOTS CAUSING AREAS OF PONDING SHALL BE ELIMINATED AT TIME OF FINAL GRADING.
 - 2.) PROPOSED RIM/GRATE ELEVATIONS ARE APPROXIMATE FINAL ELEVATIONS, TO BE SET FLUSH WITH FINISH GRADES. ADJUST ALL OF THE RIM ELEVATIONS AND VALVE COVERS TO FINISHED GRADE WITHIN LIMITS OF WORK.
 - 3.) PRIOR TO STARTING ANY OTHER WORK ON SITE, THE CONTRACTOR SHALL NOTIFY APPROPRIATE AGENCIES AND SHALL INSTALL EROSION CONTROL MEASURES AS SHOWN ON THE PLANS AND AS IDENTIFIED IN FEDERAL, STATE AND LOCAL APPROVAL DOCUMENTS PERTAINING TO THIS PROJECT.
 - 4.) THE CONTRACTOR SHALL BE RESPONSIBLE TO CONTROL CONSTRUCTION SUCH THAT SEDIMENTATION SHALL NOT AFFECT REGULATORY PROTECTED AREAS, REGARDLESS IF SEDIMENTATION IS CAUSED BY WATER, WIND OR DIRECT DEPOSIT.
 - 5.) DUST SHALL BE CONTROLLED WITH WATER OR BY OTHER EFFECTIVE METHODS.
 - 6.) AN AREA SHALL BE CONSIDERED STABLE IF ONE OF THE FOLLOWING HAS OCCURRED:
 - A.) BASE COURSE GRAVELS HAVE BEEN INSTALLED IN AREAS TO BE PAVED;
 - B.) A MINIMUM 85% VEGETATED GROWTH HAS OCCURRED;
 - C.) A MINIMUM 3" OF NON-EROSIVE MATERIAL SUCH AS RIP RAP OR STONE HAS BEEN INSTALLED; OR
 - D.) EROSION CONTROL BLANKETS HAVE BEEN INSTALLED.
 - 7.) THE CONTRACTOR SHALL PROVIDE TEMPORARY DIVERSION SWALES AND TEMPORARY SEDIMENTATION BASINS TO CONTROL SEDIMENTATION AND STORMWATER RUNOFF DURING THE CONSTRUCTION PERIOD, AND TO INSURE SURFACE WATER RUN-OFF FROM UNSTABILIZED AREAS DOES NOT CARRY SILT, SEDIMENT, AND DEBRIS OUTSIDE THE LIMITS OF WORK.
 - 8.) EROSION CONTROL BLANKETS SHALL BE INSTALLED ON ALL SLOPES STEEPER THAN 3-FT HORIZONTAL TO 1-FT VERTICAL. EROSION CONTROL BLANKETS SHALL BE NORTH AMERICAN GREEN SC150RN, OR APPROVED EQUAL.
 - 9.) STABILIZATION MEASURES SHALL BE INSTALLED WITHIN 72-HOURS OF ACHIEVING FINAL GRADE.
 - 10.) PERMANENT SEEDING SHALL OCCUR BETWEEN APRIL 1 AND JUNE 1 AND/OR BETWEEN AUGUST 15 AND OCTOBER 15. ALL SEEDING AFTER AND INCLUDING OCTOBER 15 SHALL BE TEMPORARY SEED AND BE COVERED WITH HAY MULCH.
 - 11.) UPON COMPLETION OF CONSTRUCTION AND ESTABLISHMENT OF PERMANENT GROUND COVER, THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL TEMPORARY EROSION CONTROL MEASURES AND CLEAN SEDIMENT AND DEBRIS FROM THE ENTIRE DRAINAGE SYSTEM.

PLAN SIZE:
 FULL SIZE PLANS ARE 24x36
 11x17 ARE APPROXIMATE HALF SCALES

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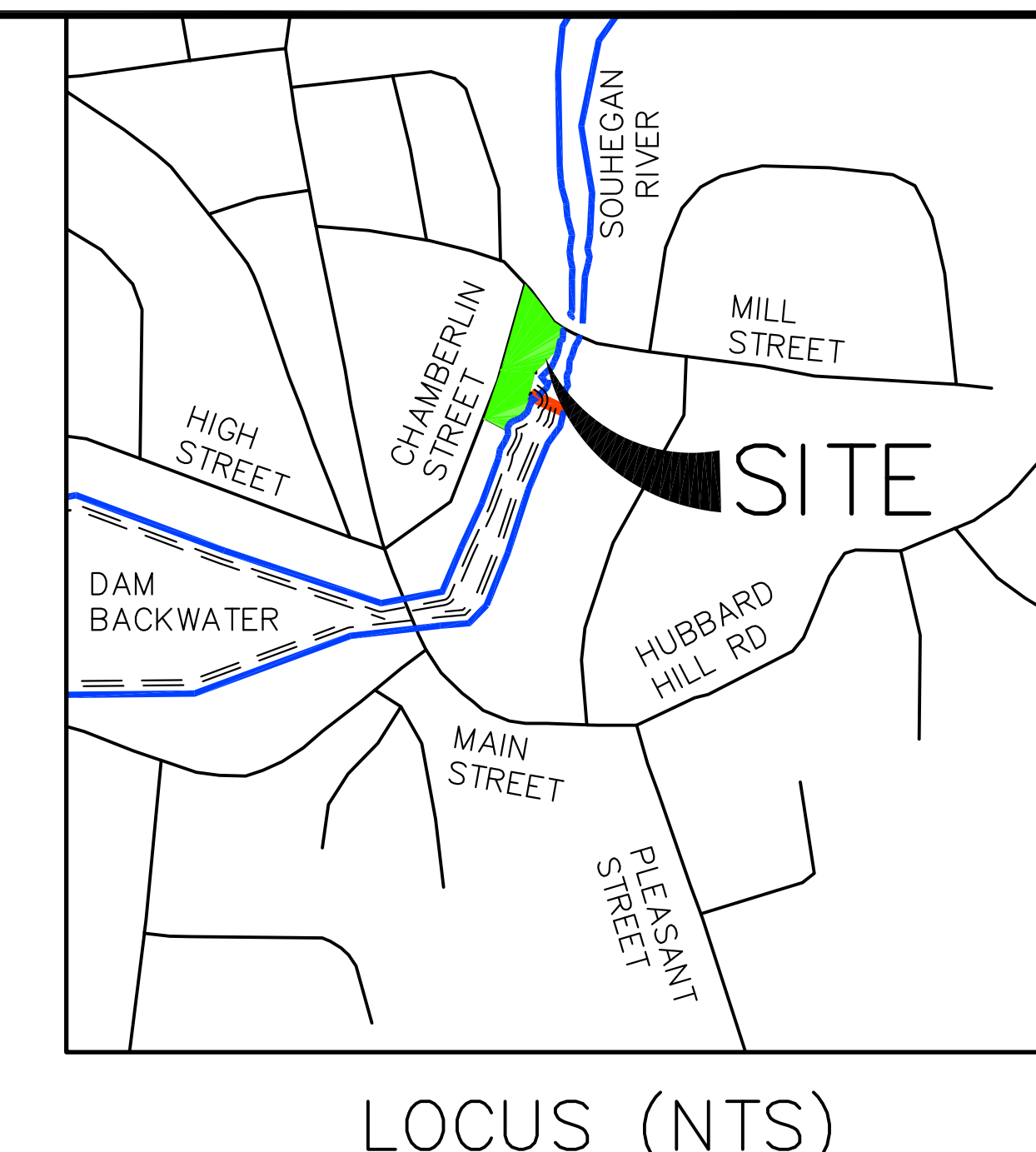
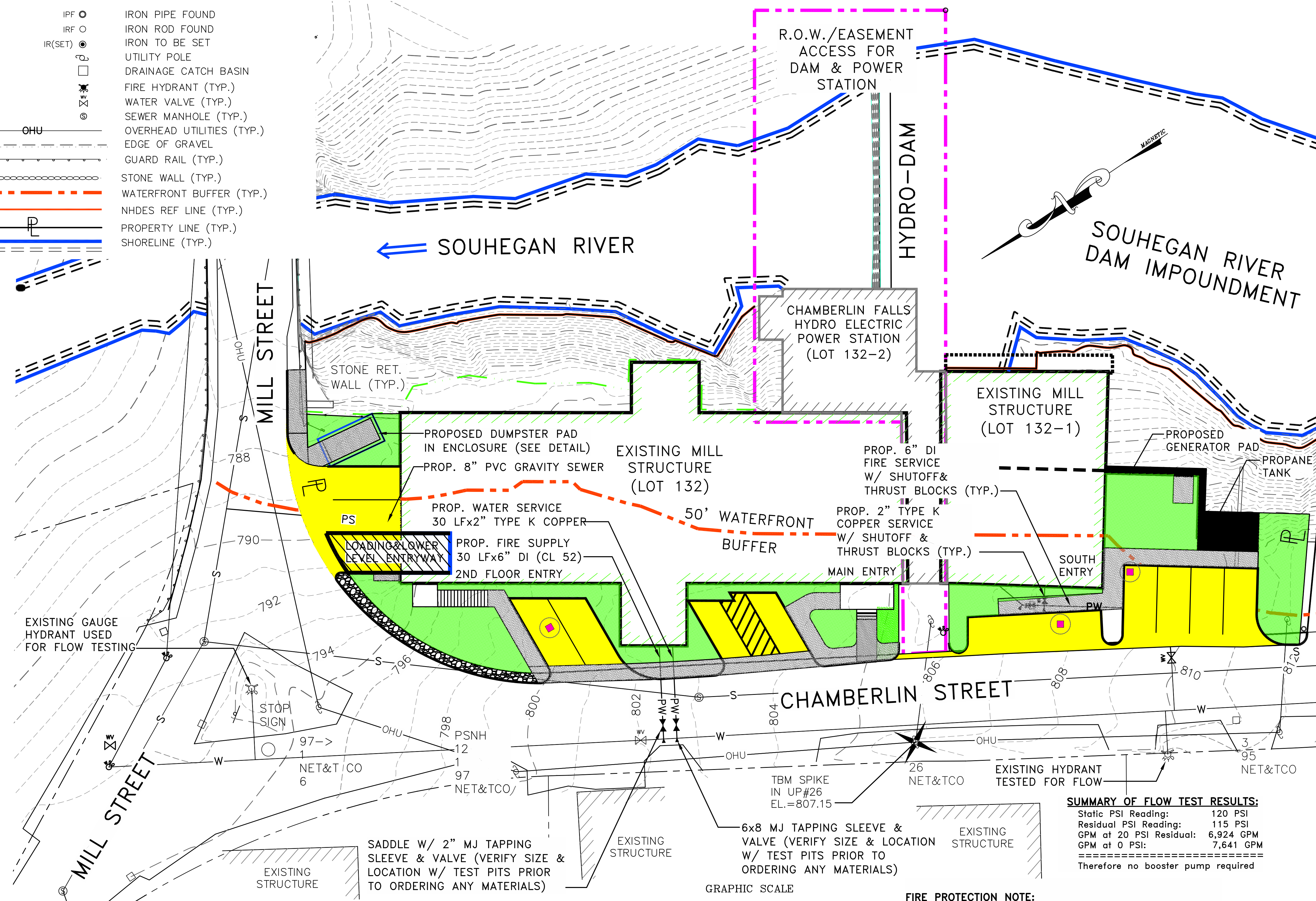
OWNER: MCKENAN PROPERTIES, LLC 100 CARL DRIVE UNIT #8 MANCHESTER, NH. 03103	CLIENT: GEORGES REALTY, LLC c/o WIL GEORGES 100 CARL DRIVE, 11a MANCHESTER, NH. 03103	ECKMAN Engineering, LLC 1950 Lafayette Road Unit 210, P.O. Box 8025 Portsmouth, New Hampshire 03802 Phone: (603) 433-1354 Fax: (603) 433-2367
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No.	DESCRIPTION	BY	DATE

GREENVILLE HOUSE PRC -- OLD MILL REHABILITATION			
TOWN	GREENVILLE, NEW HAMPSHIRE	BRIDGE NO.	----
FEDERAL PROJECT	----	NHDOT PROJECT	N/A
LOCATION	TOWN OF GREENVILLE TAX MAP 5, LOTS 32 & 32-1 OLD MILL, CHAMBERLIN ST., GREENVILLE, HILLSBOROUGH, NH		
GRADING, DRAINAGE, EROS. & SED. CONTROL PLAN			
DESIGNED	SRP	BY DATE	10/22
DRAWN	JJM	CHECKED	DEE 11/22
TRACED		CHECKED	DEE 11/22
QUANTITIES		CHECKED	
REVIEWED BY:		NHDOT PROJ. NO.	NA
			C-2

ABBREVIATION AND SYMBOL LEGEND

- IPF ○ IRON PIPE FOUND
- IRF ○ IRON ROD FOUND
- IR(SET) ○ IRON TO BE SET
- UTILITY POLE
- DRAINAGE CATCH BASIN
- ⊗ FIRE HYDRANT (TYP.)
- ⊗ WATER VALVE (TYP.)
- ⊗ SEWER MANHOLE (TYP.)
- OHU OVERHEAD UTILITIES (TYP.)
- - - EDGE OF GRAVEL
- - - GUARD RAIL (TYP.)
- - - STONE WALL (TYP.)
- - - WATERFRONT BUFFER (TYP.)
- - - NHDES REF LINE (TYP.)
- - - PROPERTY LINE (TYP.)
- - - SHORELINE (TYP.)

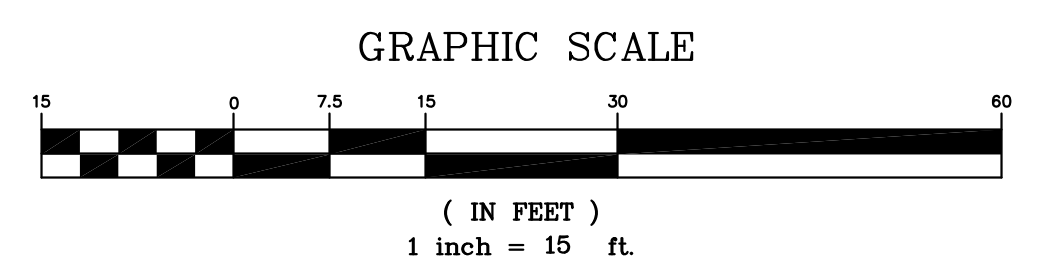


- UTILITY NOTES**
- 1.) CONTRACTOR SHALL COORDINATE ALL UTILITY PENETRATIONS (ELEVATIONS, LOCATIONS) AND UTILITY SIZES WITH ARCHITECTURAL PLANS AND LICENSED MEP CONTRACTORS OR PROJECT TEAM CONSULTANTS
 - 2.) THE LOCATIONS OF UNDERGROUND UTILITIES ARE APPROXIMATE AND HAVE NOT BEEN FIELD VERIFIED BY THE OWNER OR ITS REPRESENTATIVES. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND SHALL BE FULLY RESPONSIBLE FOR ANY DAMAGES WHICH MAY OCCUR BY THE CONTRACTORS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY UNDERGROUND UTILITIES. ALL REPAIRS SHALL BE MADE AT THE CONTRACTORS EXPENSE.
 - 3.) THE CONTRACTOR SHALL NOTIFY "DIGSAFE" AT 1-888-344-7233 AT LEAST 72 HOURS IN ADVANCE AND WAIT UNTIL ALL UTILITIES HAVE MARKED ON THE SITE PRIOR TO ANY EXCAVATION.
 - 4.) THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION, SIZE, INVERTS, AND TYPES OF EXISTING PIPES AT ALL PROPOSED POINTS OF CONNECTION PRIOR TO ORDERING MATERIALS. WHERE AN EXISTING UTILITY IS FOUND TO CONFLICT WITH THE PROPOSED WORK THE LOCATION, SIZE, MATERIAL AND ELEVATION OF THE UTILITY SHALL BE DETERMINED WITHOUT DELAY BY THE CONTRACTOR AND FURNISHED TO OWNERS REPRESENTATIVES IN WRITING FOR THE RESOLUTION OF THE CONFLICT.
 - 5.) THE CONTRACTOR SHALL MAKE ALL ARRANGEMENTS AND BE RESPONSIBLE FOR PAYING ALL FEES FOR ANY ALTERATION, MOVEMENT, OR ADJUSTMENT OF GAS, ELECTRIC, TELECOMMUNICATIONS, CABLE TV, FIRE ALARM, WATER, SEWER OR ANY OTHER PUBLIC OR PRIVATE UTILITY.
 - 6.) ALL PROPOSED ONSITE UTILITIES SHALL BE UNDERGROUND EXCEPT POWER, INTERNET, FIRE ALARM & CABLE.
 - 7.) THE LOCATION, DEPTH, SIZE AND SPECIFICATIONS FOR CONSTRUCTION OF PROPOSED PRIVATE UTILITY SERVICES SHALL BE ACCORDING TO THE REQUIREMENTS PROVIDED BY AND APPROVED BY, THE RESPECTIVE UTILITY (GAS, TELEPHONE, ELECTRIC AND FIRE ALARM) AND IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY THIS INFORMATION PRIOR TO CONSTRUCTION.
 - 8.) UTILITY MATERIALS SHALL BE, UNLESS OTHERWISE NOTED:
 - A) SEWER: GRAVITY SEWER (8" SCH. 40) POLYVINYL CHLORIDE (PVC)
 - B) WATER:
 - ==>FIRE-6" CLASS 52 DUCTILE IRON (ANSI/AWWA C151/A21.51) WITH DUCTILE IRON FITTINGS (ANSI/AWWA C110/A21.10)
 - ==>FACILITY SERVICE-2" 200PSI (MUNICIPAL SDR9) (ASTMF876).

SUMMARY OF FLOW TEST RESULTS:

Static PSI Reading:	120 PSI
Residual PSI Reading:	115 PSI
GPM at 20 PSI Residual:	6,924 GPM
GPM at 0 PSI:	7,641 GPM
Therefore no booster pump required	

FIRE PROTECTION NOTE:
 Greenville House PRC proposes a sprinkler system that is fully compliant with NH Fire Code which per RSA 153 must adhere to: Life Safety Code 2009, Saf-C 6000 Rules & the Uniform Fire Code NFPA1, 2009 edition and potentially other municipal code where in all cases the most stringent code shall apply.



PLAN SIZE:
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 UNIT #8
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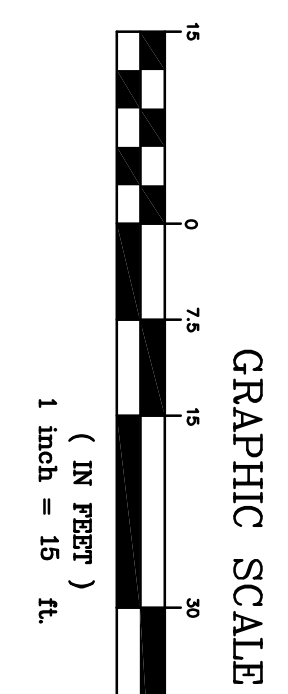
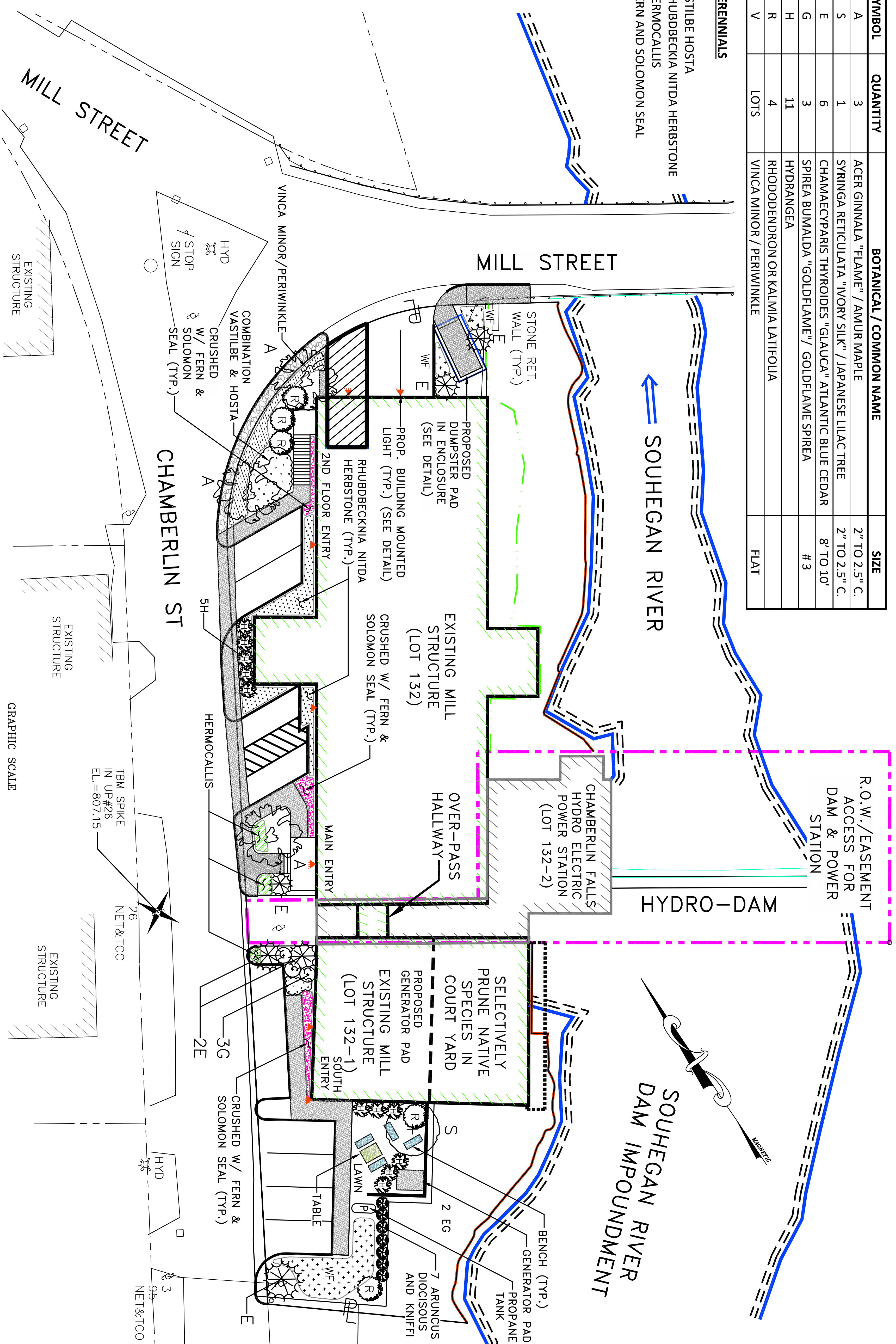
No.	DESCRIPTION	BY	DATE
1	MISCELLANEOUS PARKING, PLAN & NOTE UPDATES	DEE	12/22
REVISIONS			

GREENVILLE HOUSE PRC - OLD MILL REHABILITATION			
TOWN	GREENVILLE, NEW HAMPSHIRE	BRIDGE NO.	----
FEDERAL PROJECT	----	NHDOT PROJECT	N/A
LOCATION	TOWN OF GREENVILLE TAX MAP 5, LOTS 32 & 32-1 OLD MILL, CHAMBERLIN ST., GREENVILLE, HILLSBOROUGH, NH		
UTILITY PLAN			
DESIGNED	SRP	BY DATE	10/22
DRAWN	JJM	CHECKED	DEE 11/22
TRACED		CHECKED	DEE 11/22
QUANTITIES		CHECKED	
REVIEWED BY:		NHDOT PROJ. NO.	NA
		EE PROJ. NO.	22-105
		DWG FILE	22-105_ENG
			C-3

PLANTING SCHEDULE			
SYMBOL	QUANTITY	BOTANICAL / COMMON NAME	SIZE
A	3	ACER GINNALA "FLAME" / AMUR MAPLE	2" TO 2.5" C.
S	1	SYRINGA RETICULATA "IVORY SILK" / JAPANESE LILAC TREE	2" TO 2.5" C.
E	6	CHAMAECYPARIS THYROIDES "GLAUCA" ATLANTIC BLUE CEDAR	8' TO 10'
G	3	SPIREA BUMALDA "GOLDFLAME" / GOLDFLAME SPIREA	# 3
H	11	HYDRANGEA	
R	4	RHODODENDRON OR KALMIA LATIFOLIA	
V	LOTS	VINCA MINOR / PERIWINKLE	FLAT

PERENNIALS

ASTILBE HOSTA
RHUBDBECKIA NITDA HERBSTONE
HERMOCALLIS
FERN AND SOLOMON SEAL



SEED MIXES:
GRASS: EZ GREEN BY BLUE SEAL OR EQUAL.
WE: NORTHEAST WILDFLOWER MIX BY EARNST SEED COMPANY OR EQUAL

PLAN SIZE:
FULL SIZE PLANS ARE 24x36
11x17 ARE APPROXIMATE HALF SCALES

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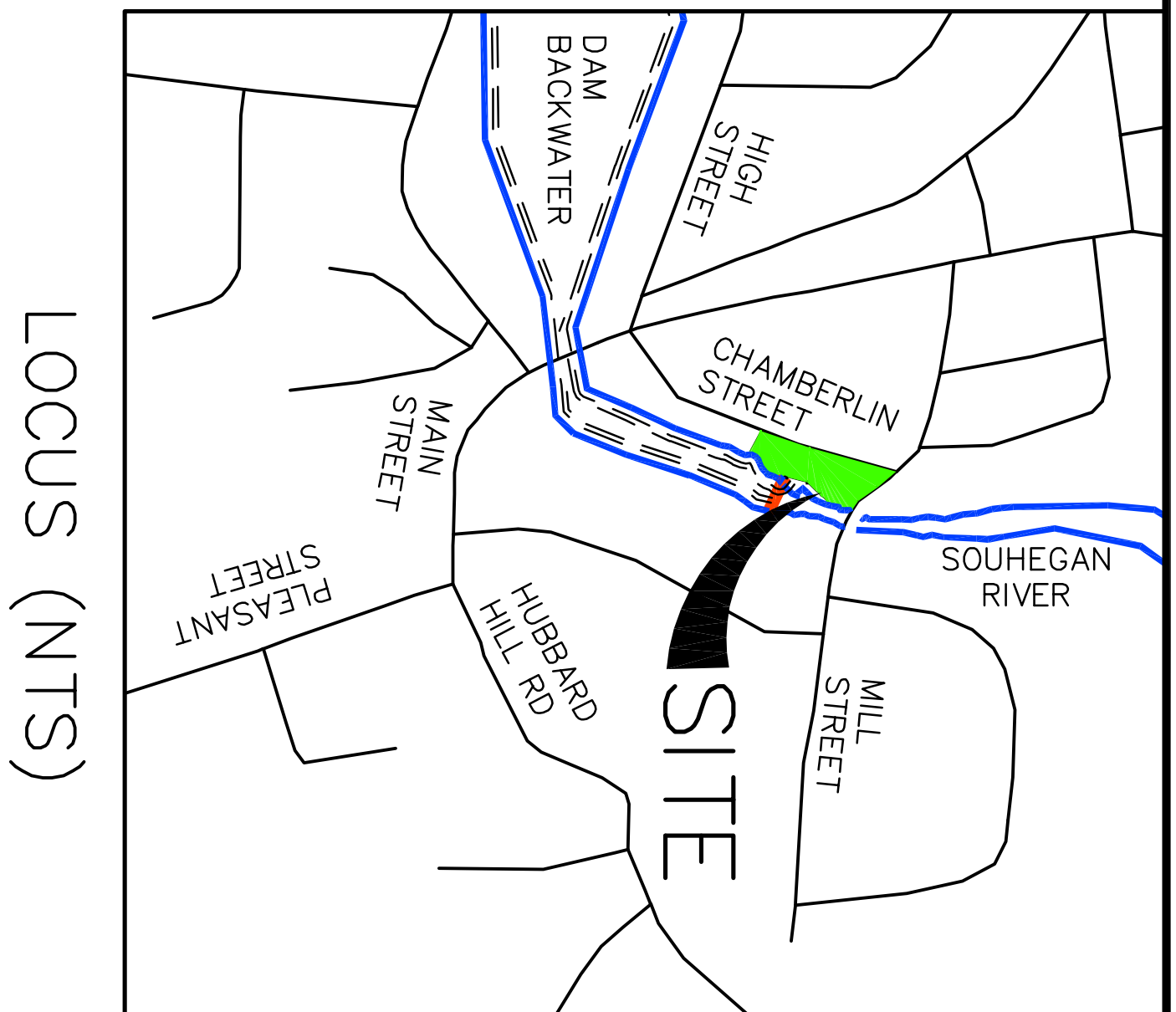
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No.	DESCRIPTION	BY	DATE
1	PER 12-7-22 PLANNING BOARD MITG COMMENTS	DEE	12/22
	REVISIONS		

GREENVILLE HOUSE PRC - OLD MILL REHABILITATION			
TOWN	GREENVILLE, NEW HAMPSHIRE	BRIDGE NO.	N/A
FEDERAL PROJECT		NHDOT PROJECT	N/A
LOCATION	TOWN OF GREENVILLE TAX MAP 5, LOTS 32 & 33-1 OLD MILL, CHAMBERLIN ST., GREENVILLE, HILLSBOROUGH, NH		
LANDSCAPING & LIGHTING PLAN			
DESIGNED	JLM	CHECKED	DEE
DRAWN	JLM	CHECKED	DEE
QUANTITIES		CHECKED	DEE
REVIEWED BY:		NHDOT PROJ. NO.	NA
			C-4



PLANTING NOTES:

- AREAS DISTURBED DURING CONSTRUCTION NOT RECEIVING IMPERVIOUS SURFACES (I.E. PAVEMENT, CONCRETE, BUILDINGS, ET.) SHALL RECEIVE A MINIMUM OF 4" OF LOAM AND SEED.
- CONTRACTOR TO REMOVE ALL DEBRIS GENERATED BY PLANT INSTALLATION. DEBRIS TO BE DISPOSED OF IN A LEGAL MANNER.
- ALL PLANT MATERIAL SHALL BE GUARANTEED TO BE IN GOOD HEALTHY & FLOURISHING CONDITION FOR ONE YEAR FROM THE DATE OF FINAL INSTALLATION APPROVAL BY L.A. CONTRACTOR SHALL REPLACE WITHOUT COST TO OWNER, AND AS SOON AS WEATHER CONDITIONS PERMIT. ALL DEAD AND NON-FLOURISHING PLANTS AS DETERMINED BY THE L.A. REPLACEMENT PLANTS SHALL BE GUARANTEED IDENTICALLY TO ORIGINAL PLANTS. TIME PERIOD COMMENCING FROM DATE OF REPLACEMENT PLANTING APPROVAL BY L.A.
- ALL BIDS TO BE MULCHED WITH 4" DEPTH SHREDDED BARK MULCH UNLESS NOTED OTHERWISE.
- CONTRACTOR TO PROVIDE NECESSARY TEMPORARY IRRIGATION IF NEEDED BASED ON TIME OF YEAR THE PROJECT IS IMPLEMENTED.
- SEE SHEET C-4 FOR LAYOUT OF PLANT MATERIAL.

ABBREVIATION AND SYMBOL LEGEND

IPF ○	IRON PIPE FOUND
IRF ○	IRON ROD FOUND
IRON TO BE SET	
IR(SET) ●	IRON TO BE SET
○	UTILITY POLE
□	DRAINAGE CATCH BASIN
⊗	FIRE HYDRANT (TYP.)
⊕	WATER VALVE (TYP.)
⊖	SEWER MANHOLE (TYP.)
⊗	OVERHEAD UTILITIES (TYP.)
⊕	EDGE OF GRAVEL
⊖	GUARD RAIL (TYP.)
⊗	STONE WALL (TYP.)
⊕	WATERFRONT BUFFER (TYP.)
⊖	NHDS REF LINE (TYP.)
⊗	PROPERTY LINE (TYP.)
⊕	SHORELINE (TYP.)

PROJECT NAME AND LOCATION

GREENVILLE HOUSE PRC (PROCESS RECOVERY CENTER) OLD MILL, 21 CHAMBERLIN STREET, GREENVILLE, NEW HAMPSHIRE 03048 TAX MAP 5, LOTS 32 & 32-1 HILLSBOROUGH COUNTY NEW HAMPSHIRE

DISTURBED AREA

The total area to be disturbed is approximately 9,000 SF (0.2067± acres).

SEQUENCE OF MAJOR ACTIVITIES

- 1. Install temporary erosion control silt socks, inlet protection, and construction entrance.
2. Complete building demolition & pavement removal activities.
3. Grub brush grass to minimum limits required to complete construction activities.
4. Complete fine grading and install leaching catchbasins.
5. Construct drives, pull-offs and parking area base courses.
6. Adjust silt socks & silt fences as required. Install stone check dams in ditches & at inlets.
7. Complete installation of walkways, landscaping and lighting.
8. Complete paving, loam placement, and seed all disturbed areas.
9. When permanent erosion control measures are in place and/or all construction activity is complete and site is stabilized, remove temporary erosion control measures and all sediment that has been trapped by these devices.

EROSION AND SEDIMENT CONTROLS AND STABILIZATION PRACTICES

Stabilization shall be initiated on all loam stockpiles and disturbed areas where construction activity will not occur for more than twenty one (21) calendar days by the third (3) day after construction activity has permanently or temporarily ceased in that area. Stabilization measures to be used include:

- a. Temporary seeding.
b. Mulching.
c. Stone rip rap.

During construction, runoff will be diverted around the site with earth dikes, piping or stabilized channels where possible. Sheet runoff from the site will be filtered through straw bale barriers and/or silt fences. Concentrated runoff will be directed through stone check dams wrapped in medium weight geosynthetic filter fabric. All storm drain inlets shall be provided with barrier filters (silt socks). Riprap shall be provided at the outlets of drainage pipes where erosive velocities are encountered. All erosion control measures shall be stabilized prior to directing runoff to them.

INSTALLATION, MAINTENANCE AND INSPECTION PROCEDURES OF EROSION AND SEDIMENT CONTROLS

A. GENERAL

These are the general inspection and maintenance practices that will be used to implement the plan.

- The smallest practical portion of the site will be denuded at one time.
- All control measures will be inspected daily or as required and following any storm event of 0.5 inches or greater.
- All measures will be maintained in good working order; if a repair is necessary, it will be initiated within 24 hours of report.
- Built up sediment will be removed from silt fence or straw bale barriers when it has reached one third the height of the fence or bale.
- All diversion dikes will be inspected and any breaches promptly repaired.
- Temporary seeding and planting will be inspected for bare spots, washouts, and unhealthy growth.
- A maintenance inspection report will be made after each inspection.
- The Contractor's site superintendent will be responsible for inspections, maintenance and repair activities, and filling out the inspection and maintenance report.
- An Owner's Representative shall inspect the site on a periodic basis to assure

compliance with the Plan.

B. FILTERS

- 1. Straw Bales
a. Sheet Flow Applications
1. Bales shall be placed in a single row, lengthwise on the contour, with ends of adjacent bales lightly abutting one another.
2. All bales shall be either wire-bound or string-tied. Bales shall be installed so that bindings are oriented around the sides rather than along the tops and bottoms of the bales to prevent deterioration of the bindings.
3. The barrier shall be entrenched and backfilled. A trench shall be excavated the width of a bale and the length of the proposed barrier to a minimum depth of four (4) inches. After the bales are staked and chinked, the excavated soil shall be backfilled against the barrier. Backfill soil shall conform to the ground level on the downhill side and shall be built up to four (4) inches against the uphill side of the barrier. Ideally, bales should be placed ten (10) feet away from the toe of slope.
4. Each bale shall be securely anchored by at least two (2) stakes or rebar driven through the bale. The first stake in each bale shall be driven toward the previously laid bale to force the bales together. Stakes or re-bars shall be driven deep enough into the ground to securely anchor the bales.
5. The gaps between bales shall be chinked (filled by wedging) with straw to prevent water from escaping between the bales.

- 2. Silt Fence
a. Synthetic filter fabric shall be a pervious sheet of propylene, nylon, polyester or ethylene yarn and shall be certified by the manufacturer or supplier as conforming to the following requirements:

Table with 3 columns: Physical Property, Test, Requirements. Rows include Filtering Efficiency (VTM-51, 75% minimum), Tensile Strength at 20% Maximum Elongation* (VTM-52, Extra Strength 50 lb/in (min), Standard Strength 30 lb/in (min)), Flow Rate (VTM-51, 0.3 gal/st/min (min)).

* Requirements reduced by 50 percent after six (6) months of installation.

- Synthetic filter fabric shall contain ultraviolet ray inhibitors and stabilizers to provide a minimum of six (6) months of expected usable life.
- The height of a silt fence shall not exceed thirty-six (36) inches.
- The filter fabric shall be purchased in a continuous roll cut to the length of the barrier to avoid the use of joints. When joints are necessary, filter cloth shall be spliced together only at support post, with a minimum six (6) inch overlap, and securely sealed.
- Posts shall be spaced a maximum of ten (10) feet apart at the barrier location and driven securely into the ground (minimum of 18 inches).
- A trench shall be excavated approximately six (6) inches wide and six (6) inches deep along the line of posts and upslope from the barrier.
- When standard strength filter fabric is used, a wire mesh support fence shall be fastened securely to the upslope side of the posts using heavy duty wire staples at least one (1) inch long. Tie wires or hog rings. The wire shall extend no more than 36 inches above the original ground surfaces.

- g. The "standard strength" filter fabric shall be stapled or wired to the fence, and eight (8) inches of the fabric shall be extended into the trench. The fabric shall not extend more than 36 inches above the original ground surface. Filter fabric shall not be stapled to existing trees.
h. When extra strength filter fabric and closer post spacing are used, the wire mesh support fence may be eliminated. In such a case, the filter fabric is stapled or wired directly to the posts with all other provisions of item (g) applying.
i. The trench shall be backfilled and the soil compacted over the filter fabric.
j. Silt fences shall be removed when they have served their useful purpose, but not before the upslope areas have been permanently stabilized.

3. Sequence of Installation

Sediment barriers shall be installed prior to any soil disturbance of the contributing drainage area above them.

4. Maintenance

- a. Straw bale barrier and silt fence barriers shall be inspected immediately after each rainfall and at least daily during prolonged rainfall. They shall be repaired if there are any signs of erosion or sedimentation below them. Any required repairs shall be made immediately. If there are signs of undercutting at the center or the edges, or impounding of large volumes of water behind them, sediment barriers shall be replaced with a temporary check dam.
b. Should the fabric on a silt fence or filter barrier decompose or become ineffective prior to the end of the expected usable life and the barrier still is necessary, the fabric shall be replaced promptly.
c. Sediment deposits should be removed after each storm event. They must be removed when deposits reach approximately one third (1/3) the height of the barrier.
d. Any sediment deposits remaining in place after the silt fence or filter barrier is no longer required shall be dressed to conform with the existing grade, prepared and seeded.

C. MULCHING

1. Timing

In order for mulch to be effective, it must be in place prior to major storm events. There are two (2) types of standards which shall be used to assure this:

- a. Apply mulch prior to any storm event.
This is applicable when working within 100 feet of wetlands. It will be necessary to closely monitor weather predictions, usually by contacting the National Weather Service in Concord, to have adequate warning of significant storms.
b. Required Mulching within a specified time period.
All cut and fill slopes require a minimum of 4 inches of loam and shall be seeded and mulched within 72 hours of their construction.

2. Guidelines for Winter Mulch Application.

When mulch is applied to provide protection over winter (past the growing season) it shall be at a rate of 6,000 pounds of hay or straw per acre. A tackifier may be added to the mulch.

3. Maintenance

All mulches must be inspected periodically, in particular after rainstorms, to check for fill erosion. If less than 90% of the soil surface is covered by mulch, additional mulch shall be immediately applied.

D. TEMPORARY GRASS COVER

1. Seedbed Preparation

Apply fertilizer at the rate of 600 pounds per acre of 10-10-10. Apply limestone (equivalent to 50 percent calcium plus magnesium oxide) at a rate of three (3) tons per acre.

2. Seeding

- a. Utilize annual rye grass at a rate of 40 lbs/acre.
b. Where the soil has been compacted by construction operations, loosen soil to a depth of two (2) inches before applying fertilizer, lime and seed.
c. Apply seed uniformly by hand, cyclone seeder, or hydroseeder (slurry including seed and fertilizer). Hydrosedings, which include mulch, may be left on soil surface. Seeding rates must be increased 10% when hydrosedding.

E. PERMANENT GRASS COVER

1. Seedbed Preparation

Slopes shall not be steeper than 2:1 with 3:1 or steeper slopes preferred. Surface and seepage water shall be drained or diverted from the site. Stones larger than 4" and trash shall be removed from the site. Till soil to a depth of 4" to prepare seedbed and mix fertilizer and lime into soil.

2. Establishing a Stand

- a. Apply fertilizer at the rate of 500 pounds per acre of 10-20-20. Apply agricultural limestone at a rate of two (2) tons per acre.
b. Seed type shall be a mixture of Tall Fescue, Creeping Red Fescue, and Redtop at a total seed rate of 42 pounds per acre. The seed distribution shall be: Tall Fescue = 20 pounds per acre, Creeping Red Fescue = 20 pounds per acre, Redtop = 2 pounds per acre.
c. Seed should be spread uniformly by appropriate method based on site including, broadcasting, drilling, and hydrosedding. Cover seed with 0.25" of soil when broadcasting is incorporated.
d. Seeded areas shall be mulched with straw to allow planting from early spring to early October. Mulch shall be held in place using appropriate techniques from the Best Management Practice for mulching.

3. Maintenance

Planted areas shall be protected from damage by fire, grazing, traffic, and dense weed growth. Waterways, channels, and swales may require occasional mowing to control growth of woody vegetation.

WINTER NOTES

The following are the winter erosion control practices implemented to protect the areas of disturbance during the winter period.

- All proposed vegetated areas which do not exhibit a minimum of 85% vegetative growth by October 15th, or which are disturbed after October 15th, shall be stabilized by seeding and installing erosion control blankets on slopes greater than 3:1 and seeding and placing 3 to 4 tons of mulch per acre, secured with anchored netting, elsewhere. The installation of erosion control blankets or mulch and netting shall not occur over accumulated snow or on frozen ground and shall be completed in advance of thaw or spring melt events.
- All ditches or swales which do not exhibit a minimum of 85% vegetative growth by October 15th, or which are disturbed after October 15th, shall be stabilized temporarily with stone or erosion control blankets appropriate for the design flow conditions.
- After November 15th, incomplete road or parking surfaces, where work has stopped for the winter season, shall be protected with a minimum of 3 inches of crushed gravel per NHDOT item 304.3.

WASTE DISPOSAL

A. WASTE MATERIALS

All waste materials will be collected and stored in securely lidded receptacles. All trash and construction debris from the site will be deposited in a dumpster. No construction waste materials will be buried on site. All personnel will be instructed regarding the correct procedure for waste disposal by the superintendent.

B. HAZARDOUS WASTE

All hazardous waste materials will be disposed of in the manner specified by local or state regulation or by the manufacturer. Site personnel will be instructed in these practices by the superintendent.

C. SANITARY WASTE

All sanitary waste will be collected from the portable units a minimum of once per week by a licensed sanitary waste management contractor.

SPILL PREVENTION

A. MATERIAL MANAGEMENT PRACTICES

The following are the material management practices that will be used to reduce the risk of spills or other accidental exposure of materials and substances during construction to stormwater runoff:

Good Housekeeping: The following good housekeeping practices will be followed on site during the construction project:

- An effort will be made to store only sufficient amounts of products to do the job.
- All materials stored on site will be stored in a neat, orderly manner in their proper (original if possible) containers and, if possible, under a roof or other enclosure.
- Manufacturer's recommendations for proper use and disposal will be followed.
- The site superintendent will inspect daily to ensure proper use and disposal of materials.
- Substances will not be mixed with one another unless recommended by the manufacturer.
- Whenever possible all of a product will be used up before disposing of the container.

Hazardous Products:

The following practices will be used to reduce the risks associated with hazardous materials:

- Products will be kept in their original containers unless they are not resealable.
- Original labels and material safety data will be retained for important product information.
- Surplus product that must be disposed of will be discarded according to the manufacturer's recommended methods of disposal.

B. PRODUCT SPECIFICATION PRACTICES

The following product specific practices will be followed on site:

Petroleum Products:

All on site vehicles will be monitored for leaks and receive regular preventive maintenance to reduce leakage. Petroleum products will be stored in tightly sealed containers which are clearly labeled. Any asphalt based substances used on site will be applied according to the manufacturer's recommendations.

Fertilizers:

Fertilizers used will be applied only in the minimum amounts directed by the specifications. Once applied, fertilizer will be worked into the soil to limit exposure to stormwater. Storage will be in a covered shed or enclosed trailers. The contents of any partially used bags of fertilizer will be transferred to a sealable plastic bin to avoid spills.

Concrete Trucks:

Concrete trucks will discharge and wash out surplus concrete or drum wash water in a contained area on site.

C. SPILL CONTROL PRACTICES

In addition to good housekeeping and material management practices discussed in the previous section the following practices will be followed for spill prevention and cleanup:

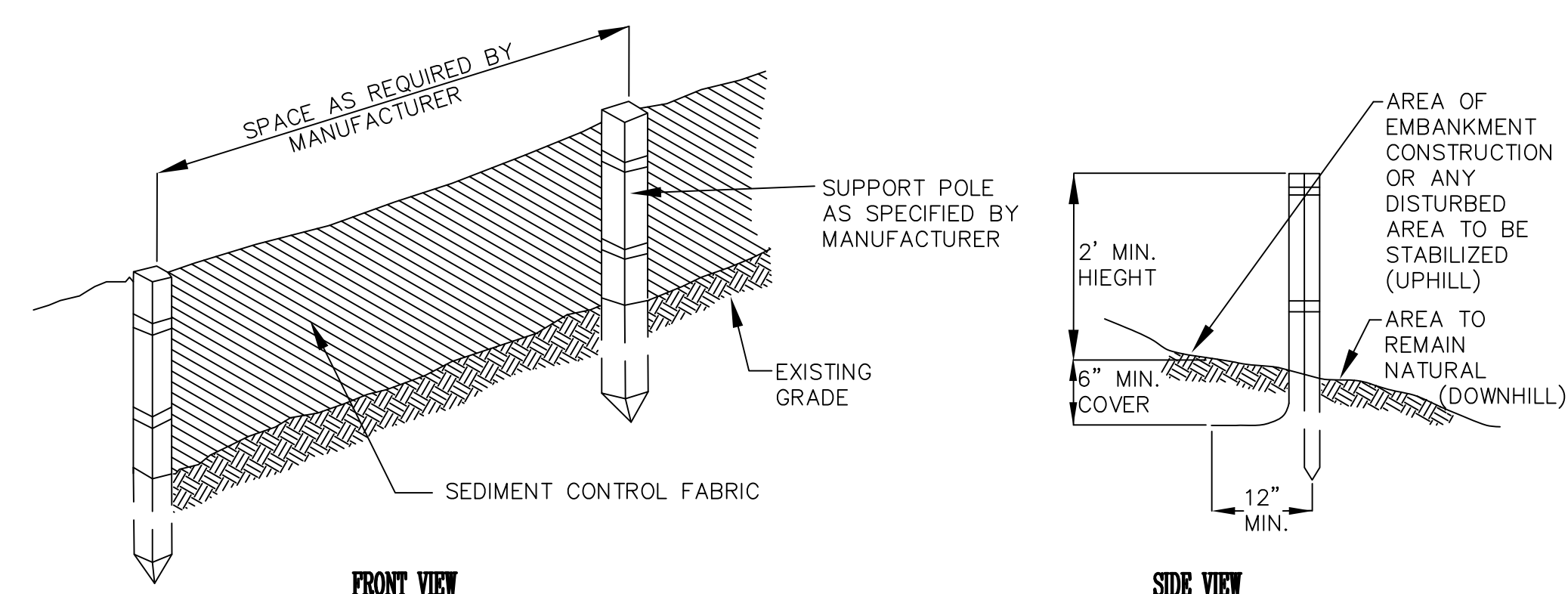
- Manufacturer's recommended methods for spill cleanup will be clearly posted and site personnel will be made aware of the procedures and the location of the information and cleanup supplies.
- Materials and equipment necessary for spill cleanup will be kept in the material storage area on site. Equipment and materials will include but not be limited to brooms, dustpans, mops, rags, gloves, goggles, kitty litter, sand, sawdust and plastic or metal trash containers specifically for this purpose.
- All spills will be cleaned up immediately after discovery.
- The spill area will be kept well ventilated and personnel will wear appropriate protective clothing to prevent injury from contact with a hazardous substance.
- Spills of toxic or hazardous material will be reported to the appropriate state or local government agency, regardless of the size.
- The spill prevention plan will be adjusted to include measures to prevent this type of spill from recurring and how to cleanup the spill if it recurs. A description of the spill, its cause, and the cleanup measures will be included.
- The site superintendent responsible for day-to-day site operations will be the spill prevention and cleanup coordinator.

TIMING OF CONTROLS/MEASURES

As indicated in the sequence of Major Activities the straw bales and/or silt fences shall be installed prior to commencing any clearing or grading of the site. Structural controls shall be installed concurrently with the applicable activity. Areas where construction activity temporarily ceases for more than twenty one (21) days will be stabilized with a temporary seed and mulch within three (3) days of the last disturbance. Permanent stabilization measures shall be installed within 72 hours of achieving final grade. Once construction activity ceases permanently in an area, silt fences and/or straw bale barriers and any earth/dikes will be removed once permanent measures are established. Disturbed area resulting from the silt fence and/or straw bale barriers shall be permanently seeded and all accumulated sediment properly disposed of.

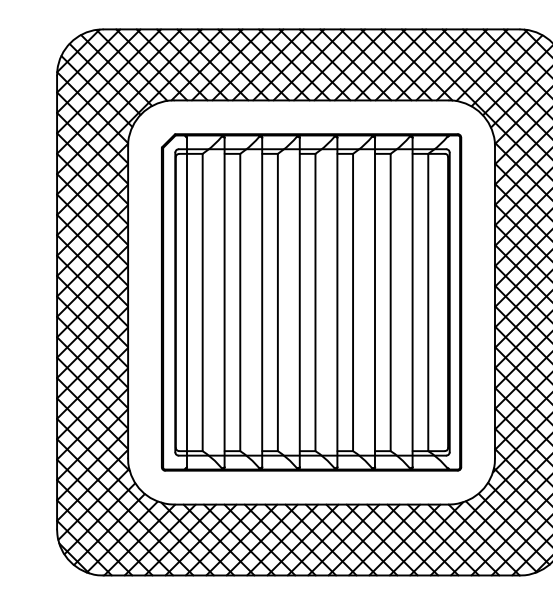
SPECIAL NOTES:

- 1. An area shall be considered stable if one of the following has occurred:
a) Erosion course gravels have been installed in areas to be paved.
b) A minimum of 85% vegetative growth has been established.
c) Permanent stone lining has been properly installed.
d) Erosion control blankets have been properly installed.
2. The erosion and sediment control program was designed based upon the site plans prepared by Eckman Engineering, LLC. If design revisions occur, the program proposed shall be revised accordingly.
3. The contractor's superintendent shall monitor the erosion control measures daily, repairs and/or adjustments to the system shall be made immediately as required to insure proper function of the measures.

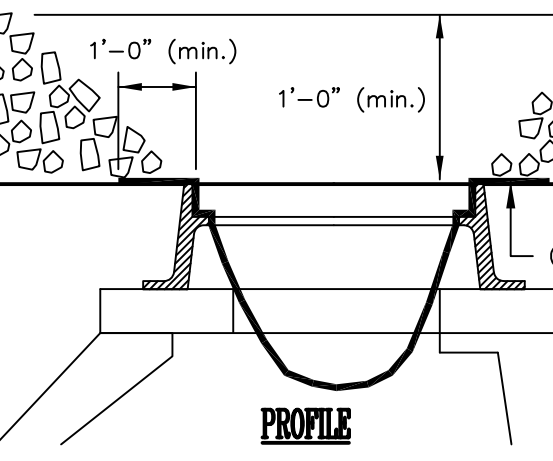


NOTES:

- 1. THE GEOTEXTILE FABRIC SHALL MEET THE DESIGN CRITERIA FOR BEST MANAGEMENT PRACTICE FOR SILT FENCES, OF THE "STORMWATER MANAGEMENT AND EROSION AND SEDIMENT CONTROL HANDBOOK FOR URBAN AND DEVELOPING AREAS IN NEW HAMPSHIRE" PREPARED BY ROCKINGHAM COUNTY CONSERVATION DISTRICT, DATE AUGUST 1992.
2. THE HEIGHT OF THE BARRIER SHALL NOT EXCEED 36 INCHES.
3. WHEN JOINTS ARE NECESSARY, FILTER CLOTH SHALL BE SPICED TOGETHER ONLY AT A SUPPORT POST, WITH A MINIMUM 6-INCH OVERLAP, AND SECURELY SEALED. SEE MANUFACTURER'S RECOMMENDATIONS.
4. POSTS SHALL BE SPACED A MAXIMUM OF 10 FEET APART AT THE BARRIER LOCATION AND DRIVEN SECURELY INTO THE GROUND (MINIMUM OF 16 INCHES). WHEN EXTRA STRENGTH FABRIC IS USED WITHOUT THE WIRE SUPPORT FENCE, POST SPACING SHALL BE AS MANUFACTURER RECOMMENDS.
5. A TRENCH SHALL BE EXCAVATED APPROXIMATELY 6 INCHES WIDE AND 6 INCHES DEEP ALONG THE LINE OF POSTS AND UPSLOPE FROM THE BARRIER IN ACCORDANCE WITH RECOMMENDATIONS.
6. THE FABRIC SHALL NOT EXTEND MORE THAN 36 INCHES ABOVE THE ORIGINAL GROUND SURFACE, AND WILL EXTEND TO A MINIMUM OF 6 INCHES INTO THE TRENCH. FILTER FABRIC SHALL NOT BE STAPLED INTO EXISTING TREES.
7. THE TRENCH SHALL BE BACKFILLED AND THE SOIL COMPACTED OVER THE FILTER FABRIC.
8. FILTER BARRIERS SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFUL PURPOSE, BUT NOT BEFORE THE UPSLOPE AREA HAS BEEN PERMANENTLY STABILIZED.
9. FILTER BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL, AND AT LEAST DAILY DURING PROLONGED RAINFALL, ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.
10. SHOULD THE FABRIC DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER STILL BE NECESSARY, THE FABRIC SHALL BE REPLACED PROMPTLY.
11. SEDIMENT DEPOSITS SHOULD BE REMOVED WHEN THEY REACH APPROXIMATELY ONE-THIRD THE HEIGHT OF THE BARRIER.
12. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE OR FILTER BARRIER IS NO LONGER REQUIRED, SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SEEDED.



PLAN

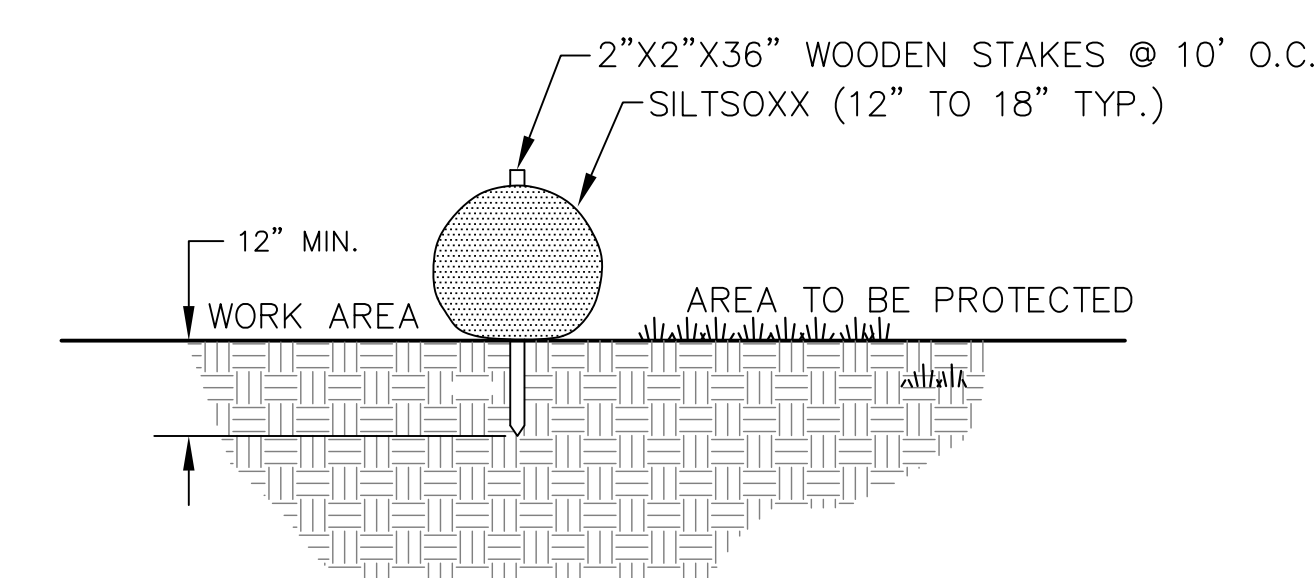


PROFILE

STONE CHECK DAM AND SILT SACK AROUND CATCH BASIN NOT TO SCALE

PLAN SIZE: FULL SIZE PLANS ARE 24x36 11x17 ARE APPROXIMATE HALF SCALES

SILT FENCE



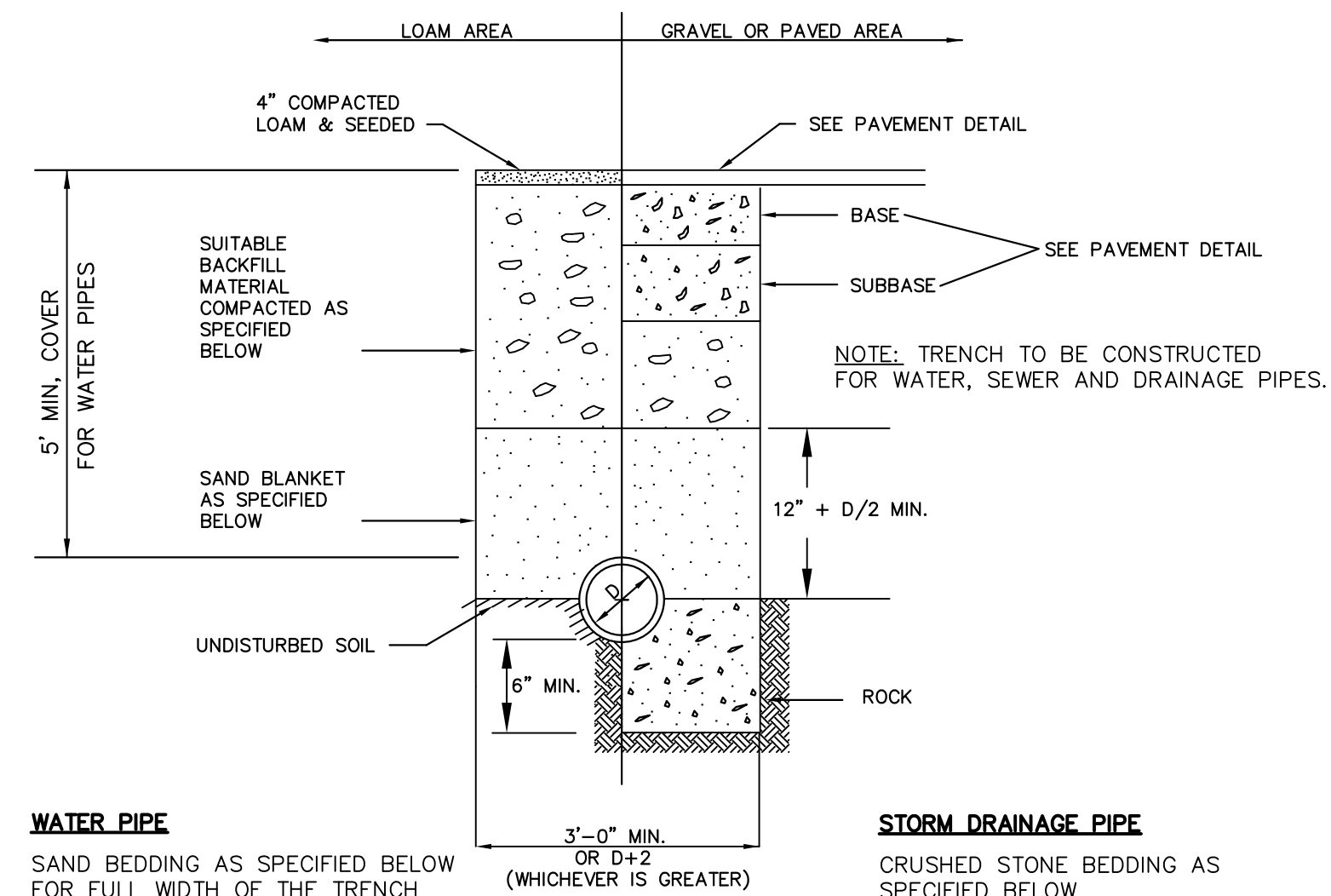
NOTES:

- 1. SILT SOX TO BE FILTREXX SILT SOX OR APPROVED EQUAL
2. ADJACENT TO WETLANDS OR WATER BODIES A DOUBLE ROW OF PERIMETER BARRIER SILT SOCK OR APPROVED EQUAL IS REQUIRED.

SILT SOCK DETAIL NOT TO SCALE

FOR APPROVAL ONLY NOT FOR CONSTRUCTION

Table with project details: OWNER: MCKENAN PROPERTIES, LLC; APPLICANT: GEORGES REALTY, LLC; ECKMAN Engineering, LLC; Project Name: GREENVILLE HOUSE PRC - OLD MILL REHABILITATION; Location: OLD MILL, CHAMBERLIN ST., GREENVILLE, HILLSBOROUGH, NH; and a table with columns: No., DESCRIPTION, REVISIONS, BY, DATE.



WATER PIPE

SAND BEDDING AS SPECIFIED BELOW FOR FULL WIDTH OF THE TRENCH UP TO SPRINGLINE OF PIPE, 6\"/>

STORM DRAINAGE PIPE

CRUSHED STONE BEDDING AS SPECIFIED BELOW FOR FULL WIDTH OF THE TRENCH UP TO SPRINGLINE OF PIPE, 6\"/>

BACKFILL MATERIAL BELOW PAVED OR CONCRETE AREAS, BEDDING MATERIAL, AND SAND BLANKET SHALL BE COMPACTED TO NOT LESS THAN 95% OF AASHTO T 99, METHOD C. SUITABLE BACKFILL MATERIAL BELOW LOAM AREAS SHALL BE COMPACTED TO NOT LESS THAN 90% OF AASHTO T 99, METHOD C.

SAND BLANKET & BEDDING

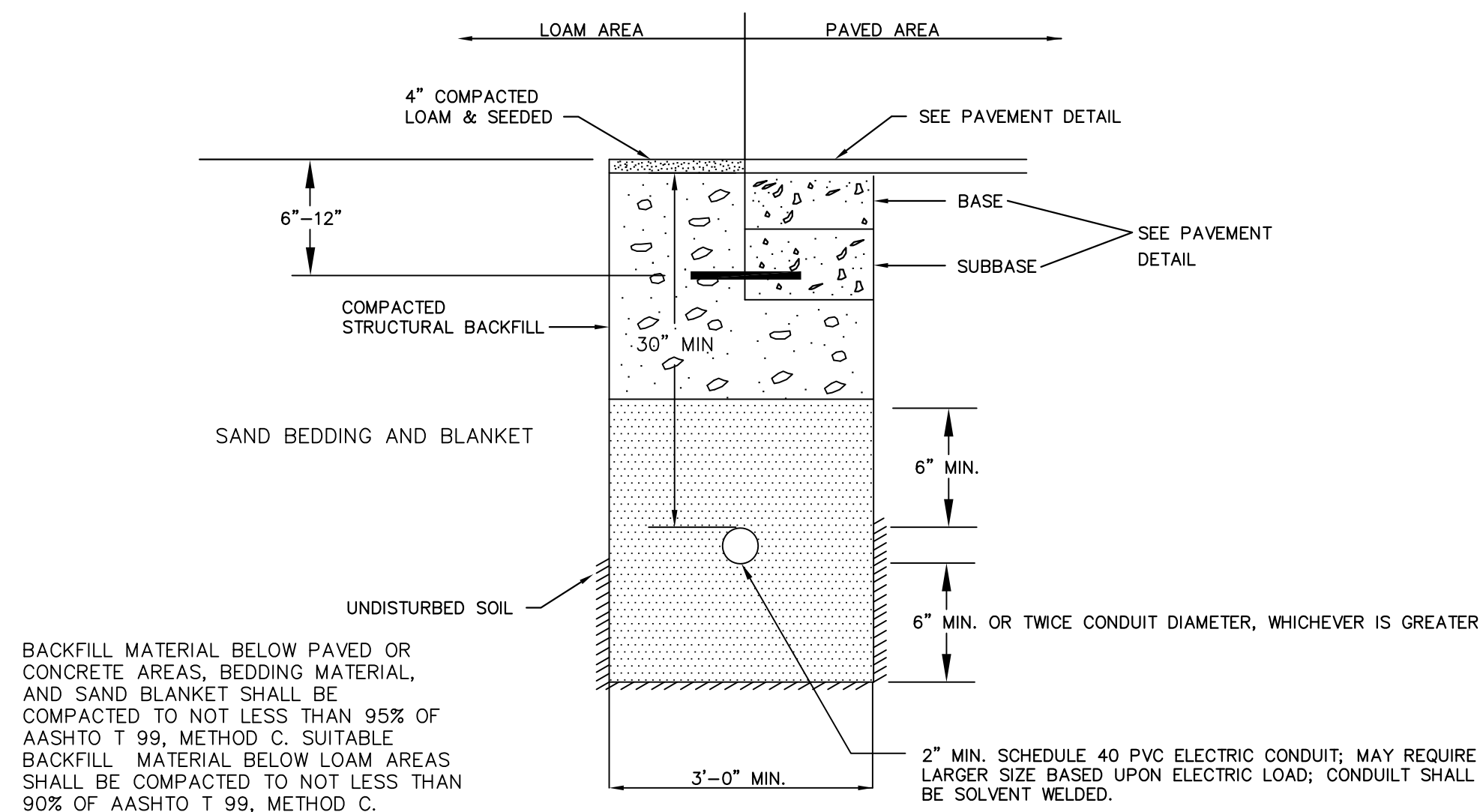
SIEVE SIZE	% FINER BY WEIGHT
1/2"	90 - 100
200	0 - 15

CRUSHED STONE BEDDING

SIEVE SIZE	% FINER BY WEIGHT
1"	100
3/4"	90 - 100
3/8"	0 - 75
# 4	0 - 25
# 10	0 - 5

UTILITY TRENCH

NOT TO SCALE



BACKFILL MATERIAL BELOW PAVED OR CONCRETE AREAS, BEDDING MATERIAL, AND SAND BLANKET SHALL BE COMPACTED TO NOT LESS THAN 95% OF AASHTO T 99, METHOD C. SUITABLE BACKFILL MATERIAL BELOW LOAM AREAS SHALL BE COMPACTED TO NOT LESS THAN 90% OF AASHTO T 99, METHOD C.

SAND BEDDING

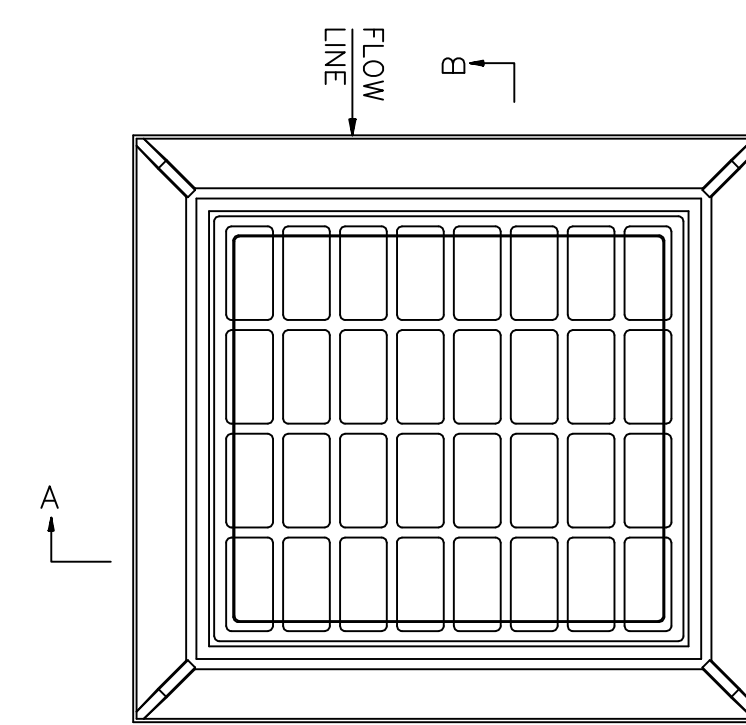
SIEVE	% PASSING
1 INCH	95-100
1/2 INCH	75-100
NO. 4	50-100
NO. 20	15-80
NO. 50	0-15
NO. 200	0-5

STRUCTURAL BACKFILL

SIEVE	% PASSING
4 INCH	100
3 INCH	95-100
1/4 INCH	25-80
NO. 40	0-30
NO. 200	0-5

ELECTRIC, CABLE, INTER-NET, PHONE & FIRE CONDUITS

NOT TO SCALE

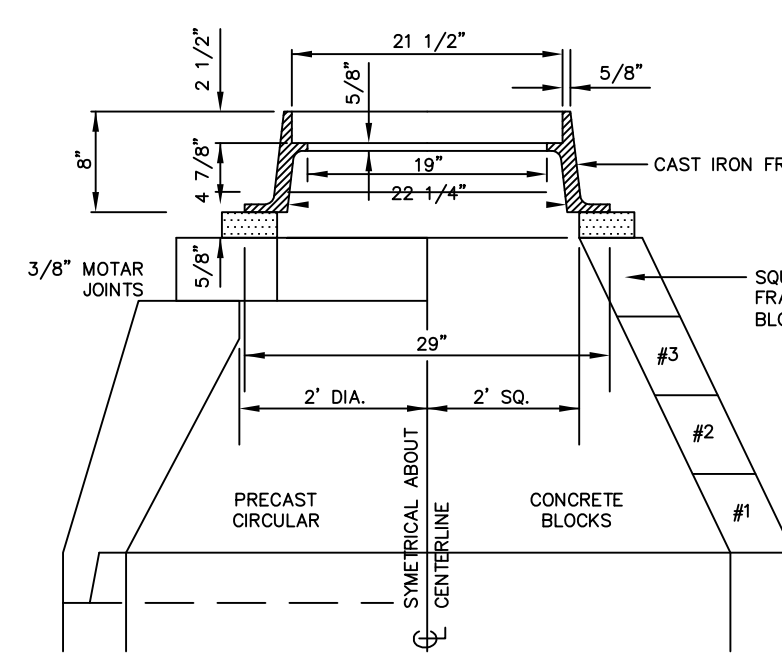
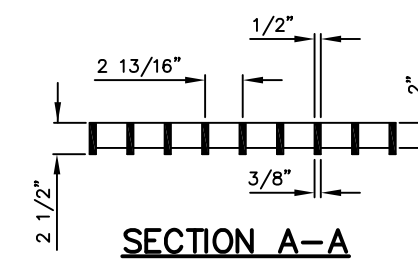


PLAN
TYPE "B" FRAME & GRATE

GENERAL NOTES

1. ALL DIMENSIONS ARE NOMINAL.
2. FRAME AVAILABLE IN 100 OR 200 mm HEIGHTS.
3. FREE OPEN AREA = 0.22 m².
4. USE 3-FLANGE FRAME IF INSTALLED ADJACENT TO GRANITE CURB.
5. FRAME AND GRATE SHALL BE PER NHDOT SPECIFICATIONS.

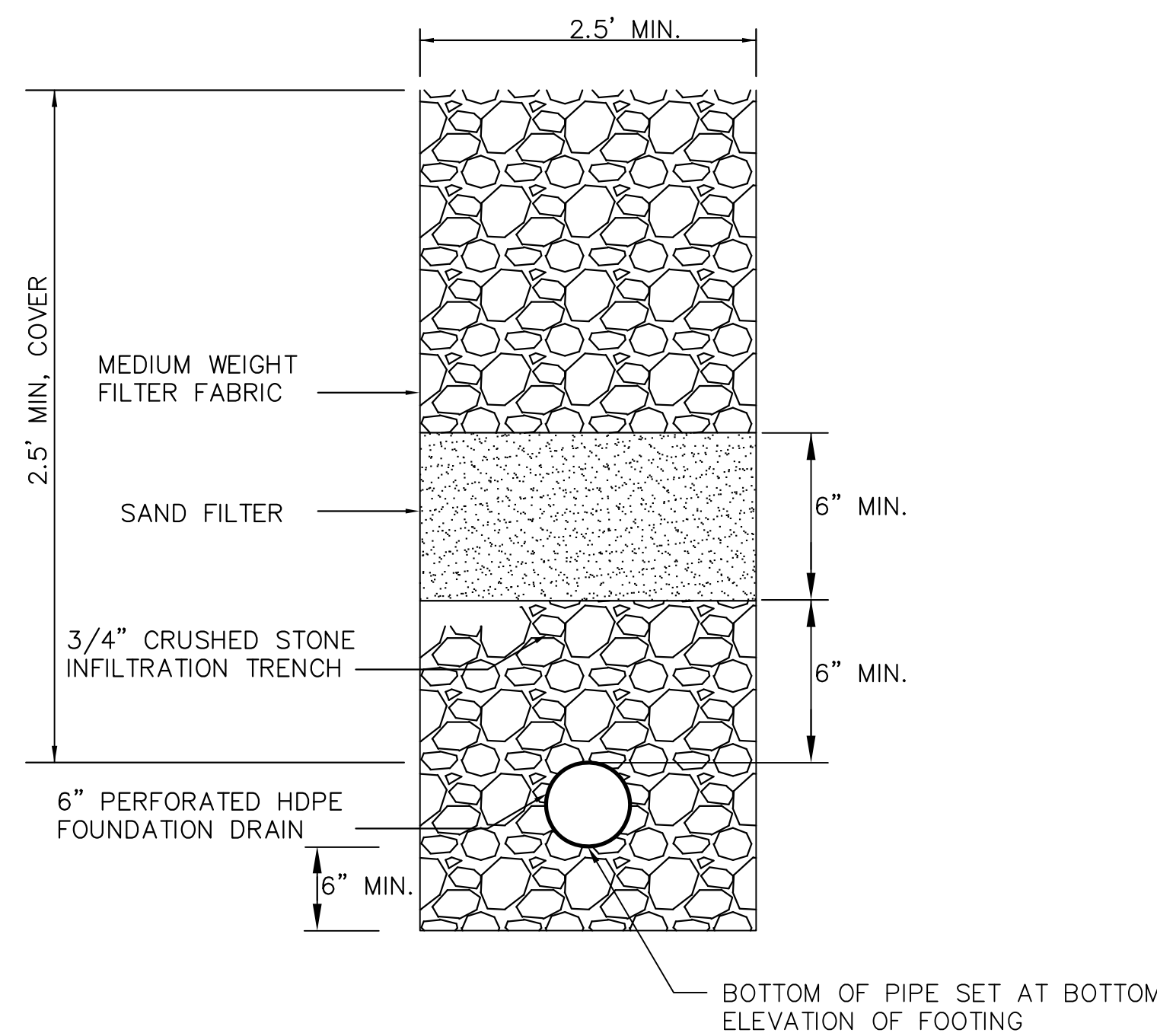
NOTE:
1. TYPE "B" GRATE USED IN PAVEMENT.
2. REFER TO NHDOT STANDARD HIGHWAY DETAILS FOR DIMENSIONS OF THE GRATES TO THE LEFT.



SECTION B-B
GRATE & FRAME DETAIL

CATCH BASIN FRAME & GRATE

(NOT TO SCALE)

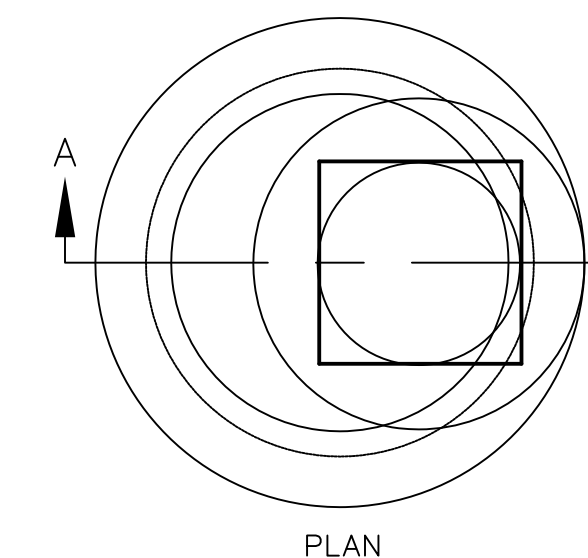


CRUSHED STONE FILL

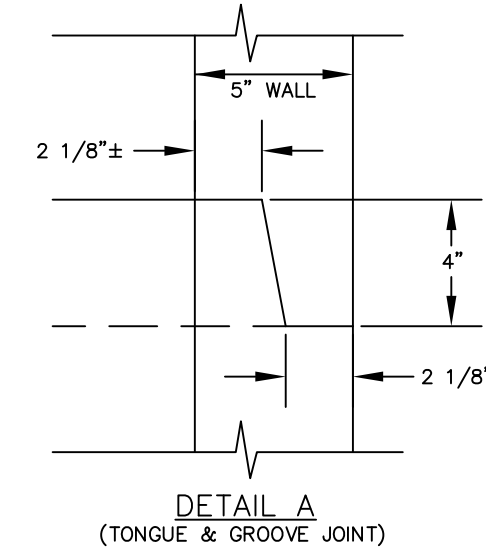
SIEVE SIZE	% FINER BY WEIGHT
1"	100
3/4"	90 - 100
3/8"	0 - 75
# 4	0 - 25
# 10	0 - 5

STORMWATER INFILTRATION TRENCH

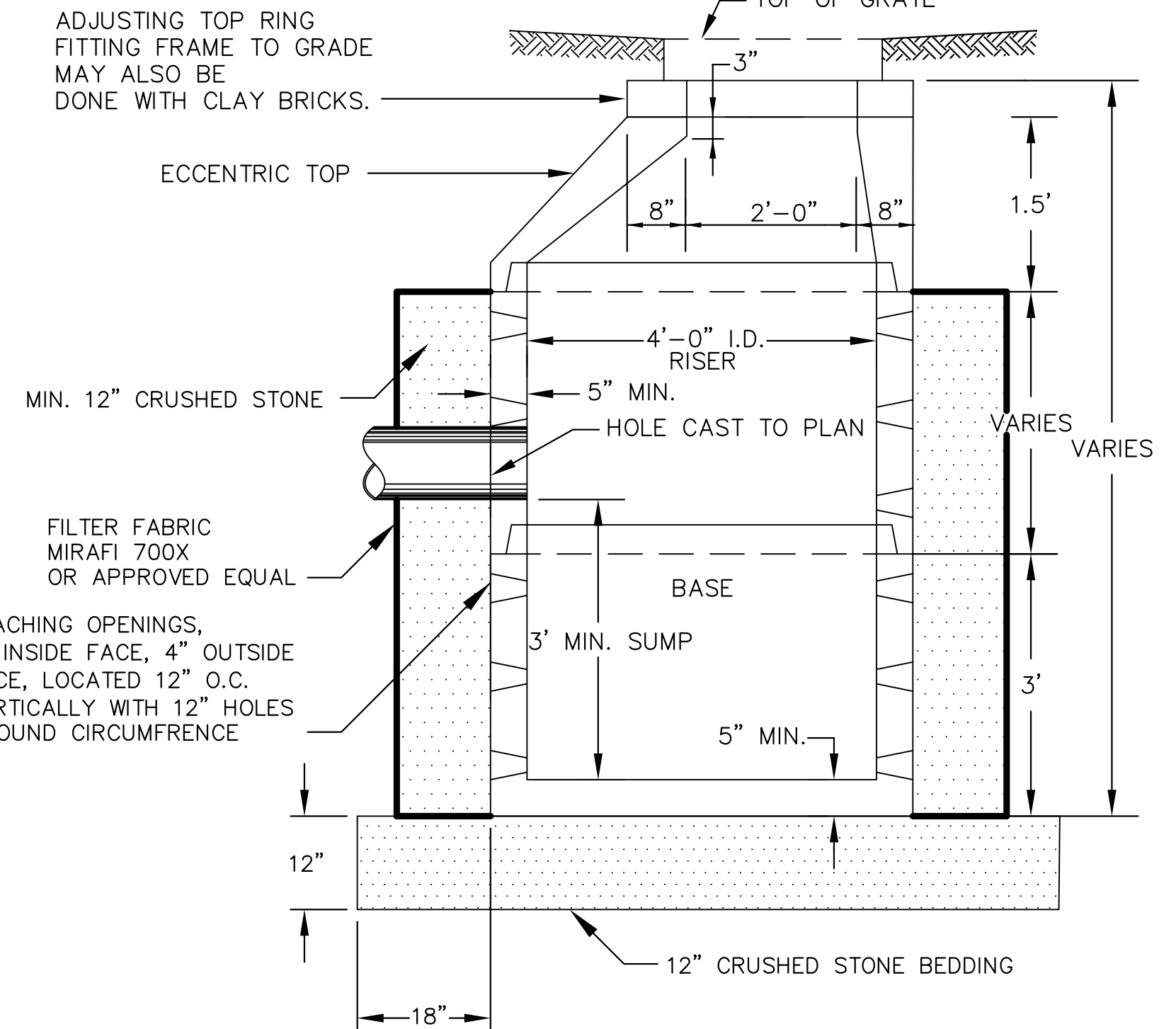
NOT TO SCALE



PLAN



DETAIL A
(TONGUE & GROOVE JOINT)



4' DIAMETER LEACHING CATCH BASIN

NOT TO SCALE

FOR APPROVAL ONLY
NOT FOR CONSTRUCTION

PLAN SIZE:
FULL SIZE PLANS ARE 24x36
11x17 ARE APPROXIMATE HALF SCALES

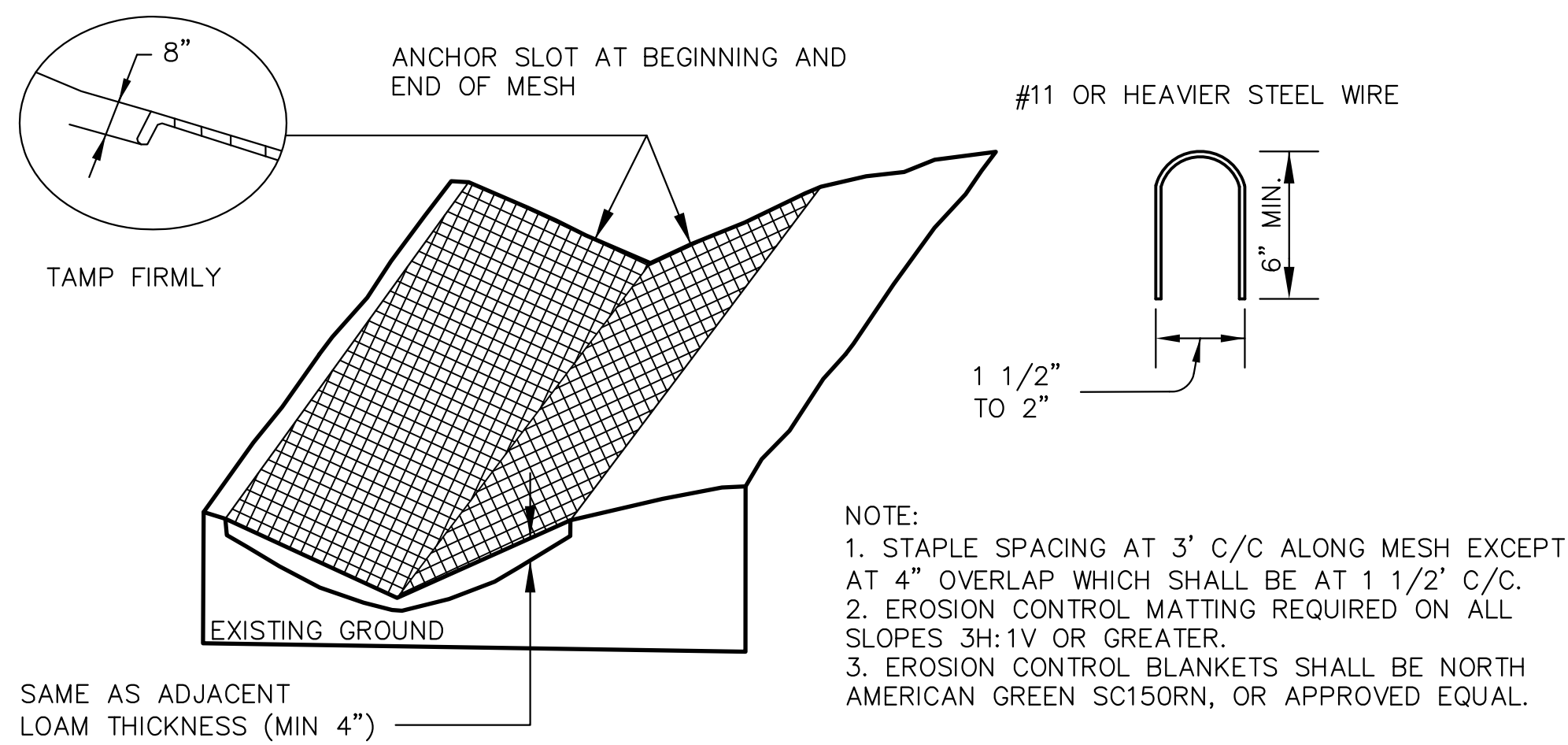
OWNER:
MCKENAN
PROPERTIES, LLC
100 CARL DRIVE
UNIT #8
MANCHESTER, NH. 03103

APPLICANT:
GEORGES
REALTY, LLC
c/o WIL GEORGES
100 CARL DRIVE, 11a
MANCHESTER, NH. 03103

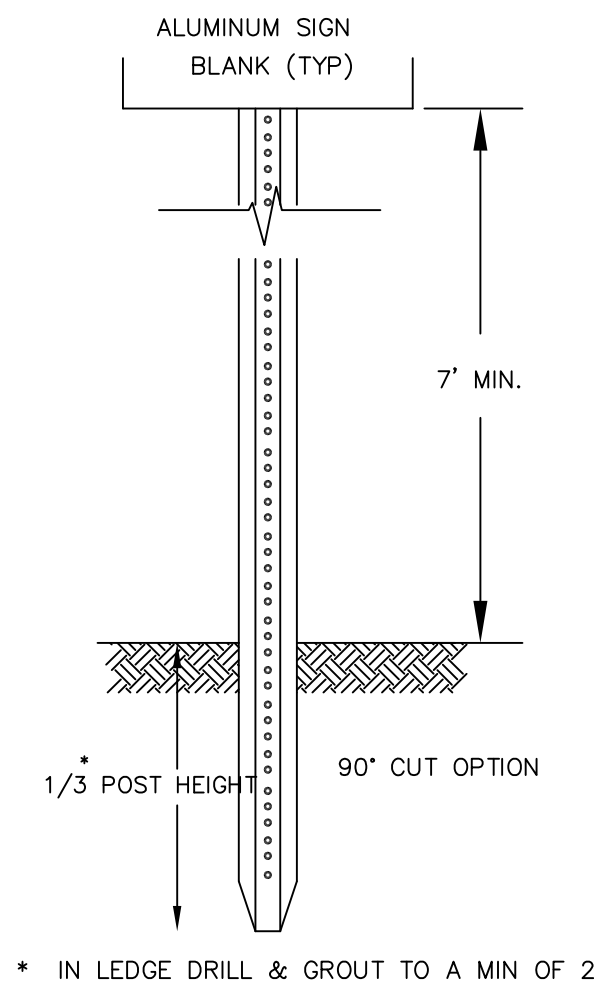
ECKMAN
Engineering, LLC
1950 Lafayette Road Unit 210, PO Box 8025
Portsmouth, New Hampshire 03802
Phone: (603) 433-1354
Fax: (603) 433-2367

No.	DESCRIPTION	BY	DATE
1	ADD 4' DIA. LEACHING CATCH BASIN DETAIL	DEE	12/22

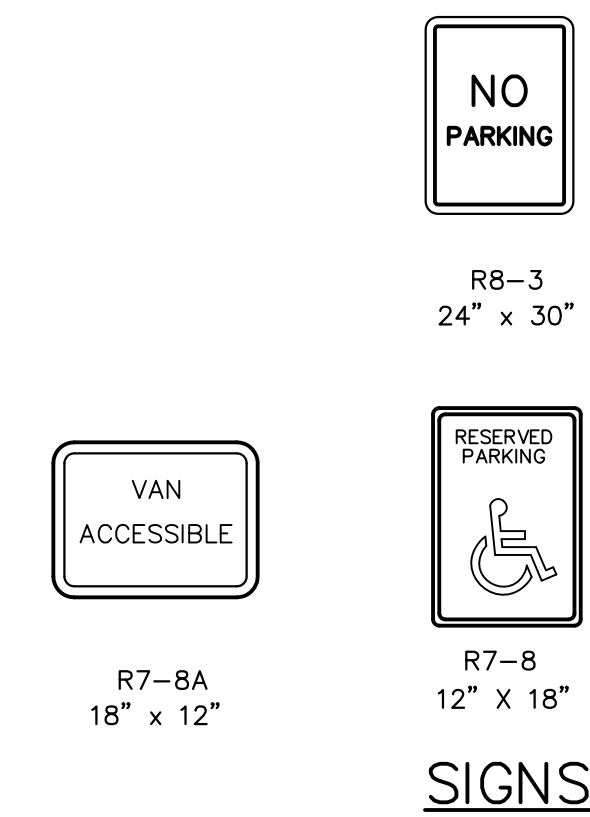
TOWN	GREENVILLE, NEW HAMPSHIRE	BRIDGE NO.	----
FEDERAL PROJECT	----	NHDOT PROJECT	N/A
LOCATION	TOWN OF GREENVILLE TAX MAP 5, LOTS 32 & 32-1 OLD MILL, CHAMBERLIN ST., GREENVILLE, HILLSBOROUGH, NH		
DETAILS (DRAINAGE & UTILITIES)			
DESIGNED	SRP	DATE	10/22
DRAWN	JJM	DATE	10/22
TRACED		DATE	
QUANTITIES		DATE	
REVIEWED BY:		NHDOT PROJ. NO.	NA
			D-2



EROSION CONTROL MATTING
NOT TO SCALE



STANDARD POST
NOT TO SCALE



NOTES:

ALL SIGNS TO BE INSTALLED AS INDICATED IN THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", LATEST EDITION.

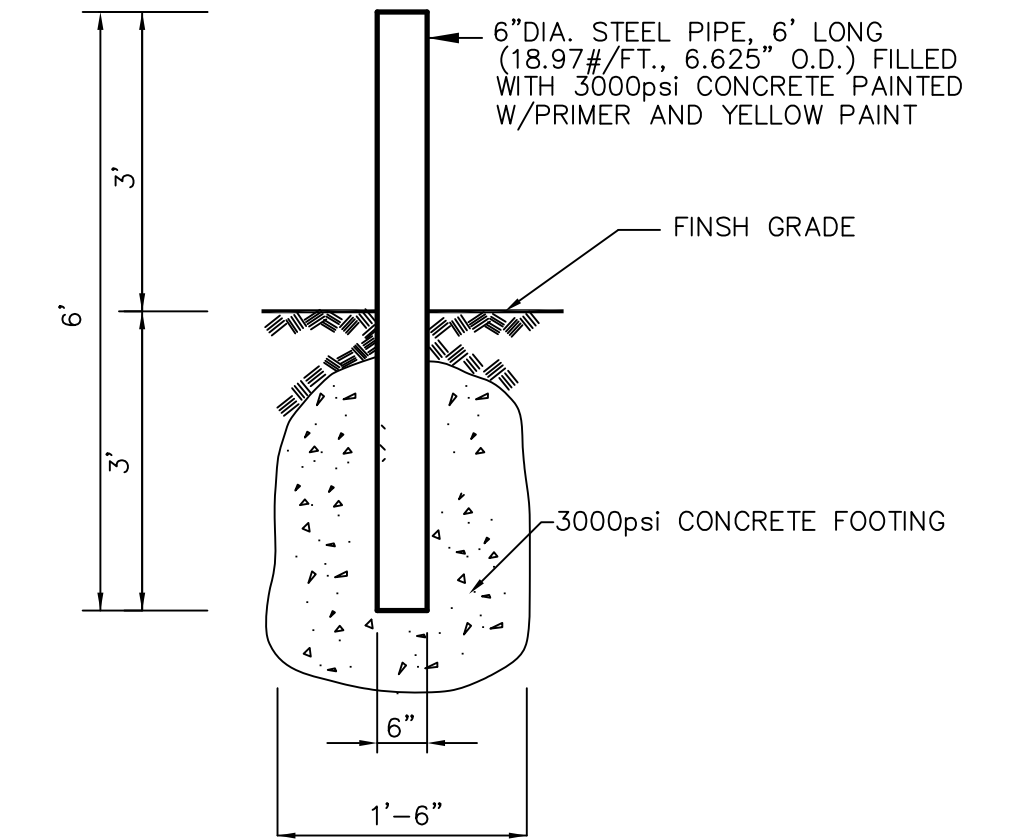
LENGTH: AS REQUIRED

WEIGHT PER LINEAR FOOT: 2.50 LBS (MIN.)

HOLE: 3/8" DIAMETER, 1" C-C FULL LENGTH

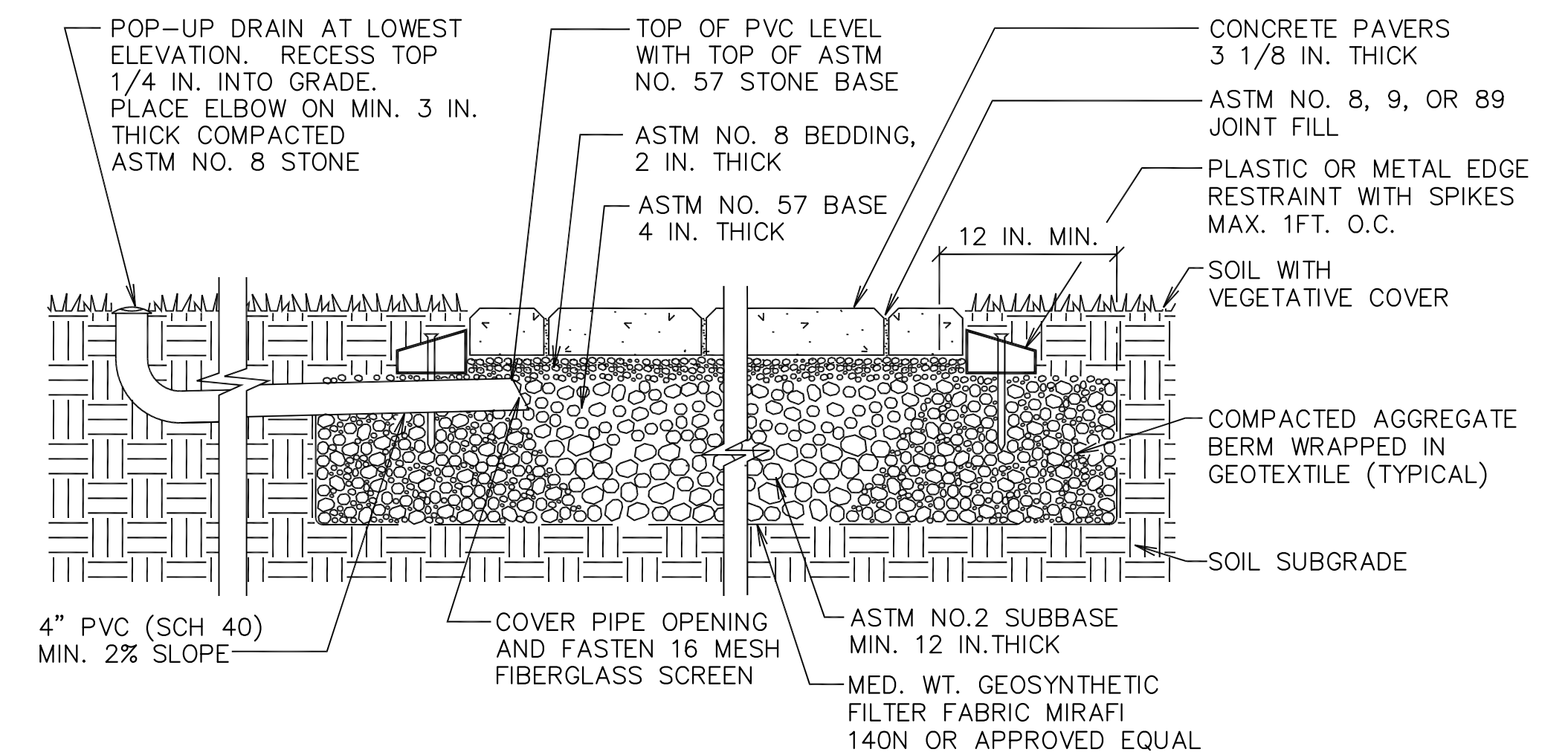
STEEL: SHALL CONFORM TO ASTM A-499 (GRADE 60) OR ASTM A-576 (GRADE 1070 - 1080)

FINISH: SHALL BE PAINTED WITH TWO COATS OF AN APPROVED BAKED ON OR AIR DRIED, PAINT OF WEATHER RESISTANT QUALITY. ALL FABRICATION SHALL BE COMPLETE BEFORE PAINTING.



BOLLARD
NOT TO SCALE

TRAFFIC SIGN DETAILS
NOT TO SCALE



NOTES:

1. DESIGN, MATERIAL, AND CONSTRUCTION GUIDELINES TO FOLLOW ICPI GUIDE SPECIFICATIONS
2. DAYLIGHT DRAIN PIPE TO DRAINAGE SWALE. USE POP-UP DRAIN IN YARD (AS SHOWN) OR CONNECT TO STORM SEWER.
3. APPLY WATERPROOF MEMBRANE VERTICALLY AGAINST HOUSE FOUNDATION PRIOR TO PLACING SUBBASE AND BASE.
4. ALL SOIL SUBGRADES SHALL SLOPE TOWARD STREET.
5. SUBGRADE SOIL MAXIMUM CROSS SLOPE IS 0.5%. MAXIMUM LONGITUDINAL SLOPE IS 2% TOWARD STREET.
6. USE SOIL BERMS FOR LONGITUDINAL SOIL SUBGRADE SLOPES EXCEEDING 2% TOWARD STREET.
7. 5% MAXIMUM SURFACE SLOPE.
8. THICKER SUBBASE AND/OR ADDITIONAL DRAIN PIPES MAY BE REQUIRED IF DRIVEWAY RECEIVES RUNOFF FROM ADJACENT IMPERVIOUS SURFACES OR ROOFS.
9. NO. 2 STONE MAY BE SUBSTITUTED WITH NO.3 OR NO.4 STONE.

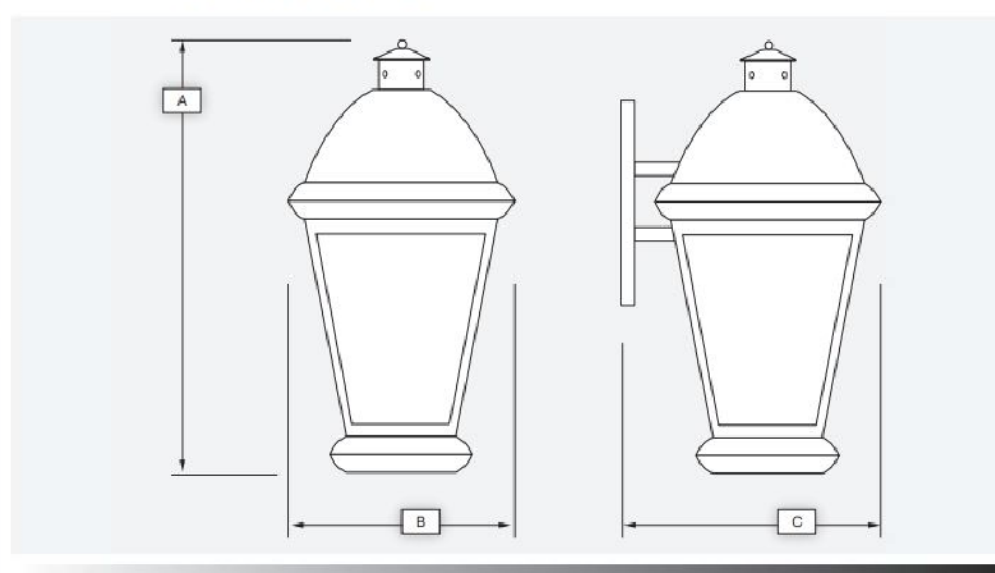
PERMEABLE PAVERS
(NOT TO SCALE)

FOR APPROVAL ONLY
NOT FOR CONSTRUCTION



Catalog #		Type	
Project		Date	
Description			

ARM MOUNT



Standard Features

Material
Painted sheet; Standard Powdercoat Finish, White Acrylic Lens; 125 thickness, ETL Wet Location.

Installation
Mounting/wireway hole in center of backplate. Supplied with standard mounting hardware to mount to a 4" J-box or plaster ring.

Options*
Contact Evergreen Lighting for complete photometrics.

LED Features

LED
Alta LED #AL-R-1W-30LED array to be mounted onto an Aluminum MPCB Board configured to the proper wattage. The LED arrays will be centered within the Lens area and mounted on a white aluminum reflective plate.

Driver
Specific Drivers will be matched with each different LED array configuration/wattage. Standard Driver Features:
• Constant Current
• 3 / 5 year warranty
• 120/277 multi-voltage power supplies
• Kelvin - 2700K, 3000K, 3500K, 4100K, 5000K

Fluorescent Features

Ballast
SC programmed electronic high power factor ballast, multi-voltage 120V/277V. Lamps not included.

Finishes

Ballast
Architectural Bronze (AB) Textured Gold (TG)
Textured Bronze (TBR) Metallic Nickel (MN)
Matte Black (MBK) Textured Verde Patina (TVP)
Semi Gloss Black (GBK) Satin Brass (SB)
Textured Black (TBK) Copper Vein (CV)
Textured Rust (TR) Gold Vein (GV)
Matte White (MW) Silver Vein (SV)
Textured White (TW) Chrome (CH)
Glass White (GW) Oil Rubbed Bronze (ORB)
Metallic Grey (MG)

Options*

Emergency (EMF) Special Lens
PhotoCell (PC) Incandescent
Lamp Sources
Size Modifications
Vandal Proof Enclosure (VPE)

Sample Spec Number: TUS2103Q-AB-A

Part #	Lamp/Watts	Lumens	A	B	C
TUS2103Q	13Q	800	19	9	11
TUS2105T	26T	1800	19	9	11
TUS2104Q	2-13Q	1600	19	9	11
TUS2105	26Q	1800	19	9	11
TUS2211	32T	2200	21 1/2	10	12
TUS2204Q	2-13Q	1600	21 1/2	10	12
TUS2206	2-26Q	3600	21 1/2	10	12
TUS2222	42T	3200	21 1/2	10	12
TUS2106L	6LED	600	19	9	11
TUS2110L	10LED	1000	19	9	11
TUS2112L	12LED	1200	19	9	11
TUS2220L	20LED	2000	21 1/2	10	12
TUS2224L	24LED	2400	21 1/2	10	12
TUS2240L	40LED	4000	21 1/2	10	12
DARK SKY					
TUS2109LS	9LED	900	19	9	11
TUS2115LS	15LED	1500	19	9	11
TUS2220LS	20LED	2000	21 1/2	10	12

Evergreen Lighting
1379 Ridgeway Street, Pomona, CA 91768
Ph: 909-865-5599 Fax: 909-865-5539
www.evergreenlighting.com

*Consult Factory



VK 2600 LED Series



Features and Characteristics

Alumilite designs reliable products produced with the best available materials, and we stand behind them with superior customer service. Please contact us for more information.

Housing: A heavy duty spun aluminum shroud has a solid center section with vertical slots. Housing is secured to dome with three internal stainless steel rods.

Dome Cap: Cast aluminum dome is secured to housing and arm with stainless steel fasteners.

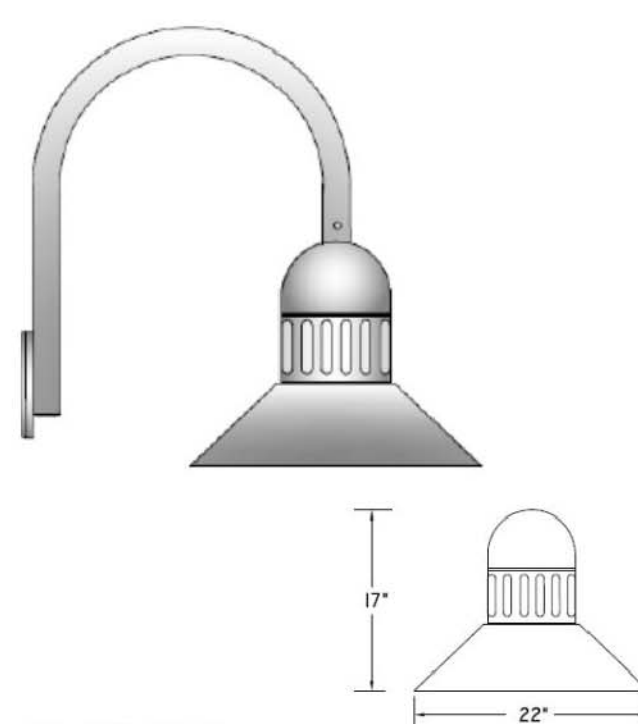
Lens Assembly: Clear tempered glass lens is gasketed and secured to aluminum frame with four fasteners. Frame is hinged and secured to the housing with four stainless steel screws.

Mounting Bracket: A 2" diameter extruded aluminum arm with 12" radius bend is welded to cast back plate. Arm slips over the tenon on cap and is secured with 3 stainless steel fasteners. A heavy duty steel zinc plated bracket mounts to the J-Box and wall surface and is attached to the inside of cast plate with two stainless steel fasteners. Direct mount to pole is optional.*PM

Module/Driver: HP Winner LED Modules have high quality Lumiled LED's with an IP-68 rating and waterproof connectors. They are available in type 3, 4 and 5 distributions with 35w/4500lm, 55w/6100lm, 70w/9000lm and 110w/12,200lm. Modules are available in 3000, 4000 and 5000k and have a minimum CRI of 80. Drivers are 0-10v dimming with universal voltage. Extruded aluminum heat sinking system provides optimal thermal management. Five years warranty provided on modules and driver.

Finish: Polyester powder coating on all metal parts. Color to be specified.

Listing: Luminaire is ETL listed for wet locations.



Specifications

Series	Wattage/Lamp	Volts
VK-26	35w/LED = 35/LED	UV
VK-26	55w/LED = 55/LED	UV
VK-26	70w/LED = 70/LED	UV
VK-26	110w/LED = 11/LED	UV

Options

Options	Finish
WM = Wall Mount	BZ = Bronze
1A = Single Pole Mount	BK = Black
2A = Twin Pole Mount	WH = White
30k = 3000k	R3 = Type 3
40k = 4000k	R4 = Type 4
50k = 5000k	RS = Type 5
	SL = Silver
	CC = Custom Color

Example

70 Watt LED, 120 Volts, Single Pole Mount, 5000k, Type 3, Bronze VK-2670LED-UV/WM/50K/R3/BZ

5322 A Rafe Banks Drive | Flowery Branch, Georgia 30542 | 770.967.7050 | Fax 770.967.7030 | alumiliteinc.com

BUILDING MOUNTED DOWNWARD THROW

BUILDING MOUNTED HISTORIC LANTERN

PLAN SIZE:
FULL SIZE PLANS ARE 24x36
11x17 ARE APPROXIMATE HALF SCALES

OWNER: **MCKENAN PROPERTIES, LLC**
100 CARL DRIVE UNIT #8 MANCHESTER, NH. 03103

APPLICANT: **GEORGES REALTY, LLC**
c/o WIL GEORGES 100 CARL DRIVE, 11a MANCHESTER, NH. 03103
Phone: (603) 433-1354
Fax: (603) 433-2367

ECKMAN Engineering, LLC
1950 Lafayette Road Unit 210, PO Box 8025
Portsmouth, New Hampshire 03802
Phone: (603) 433-1354
Fax: (603) 433-2367

No.	DESCRIPTION	BY	DATE
	REVISIONS		

TOWN GREENVILLE, NEW HAMPSHIRE BRIDGE NO. ----

FEDERAL PROJECT ---- NHDOT PROJECT N/A

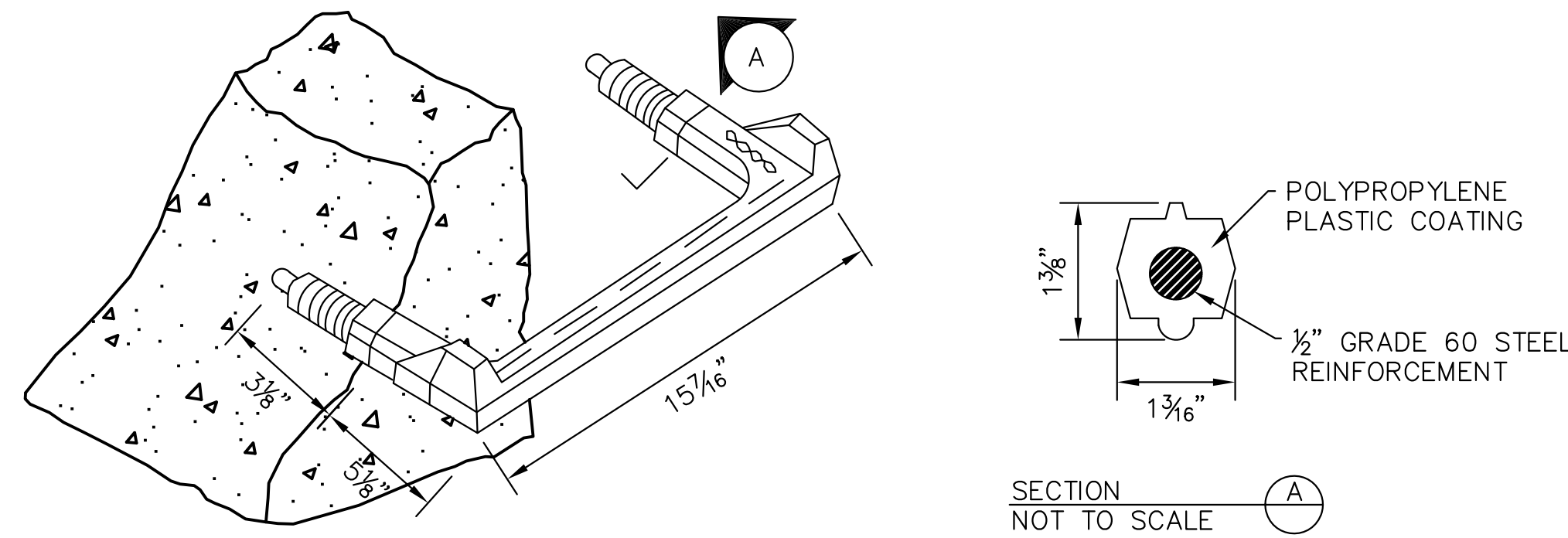
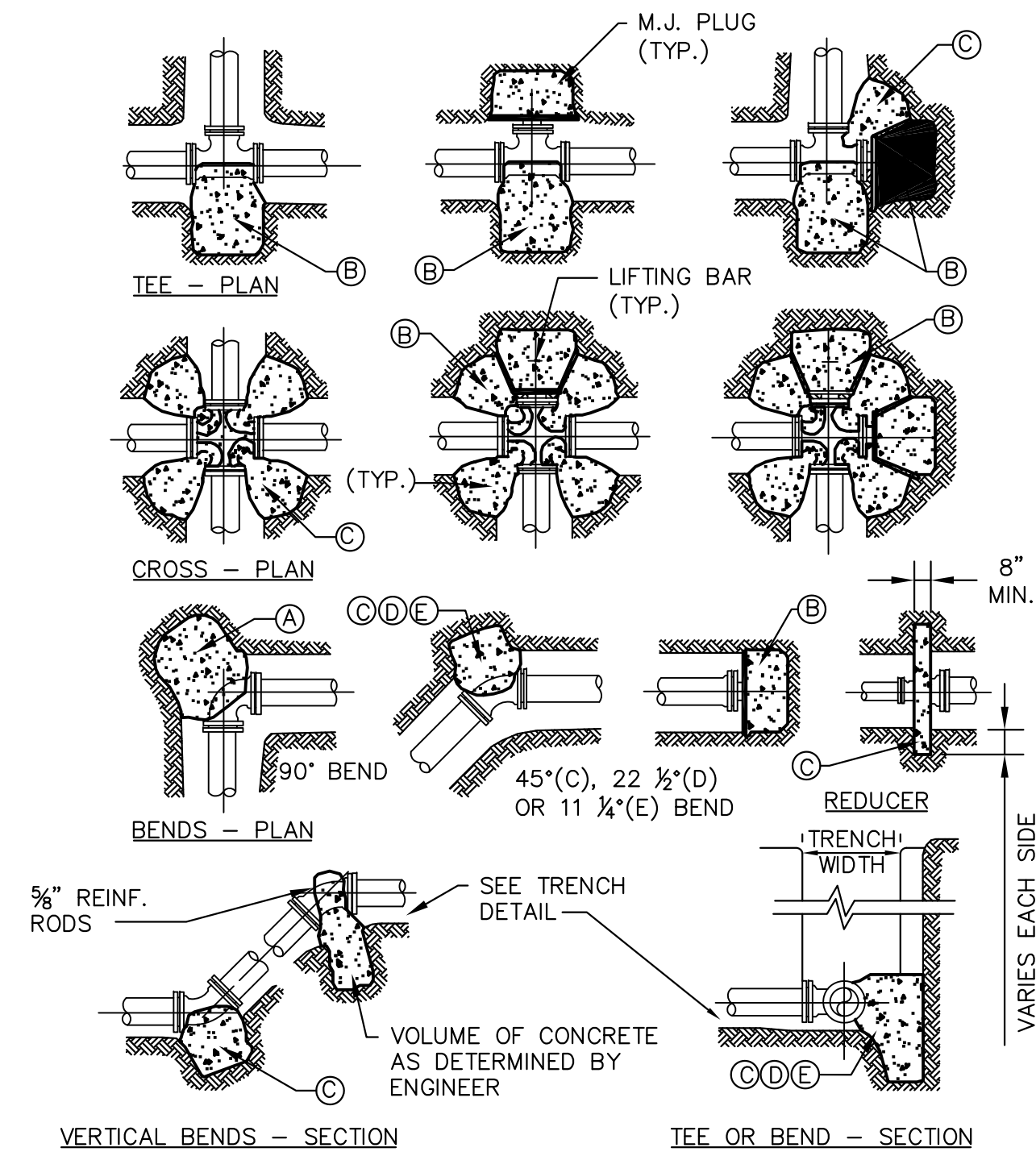
LOCATION TOWN OF GREENVILLE TAX MAP 5, LOTS 32 & 32-1
OLD MILL, CHAMBERLIN ST., GREENVILLE, HILLSBOROUGH, NH

DETAILS (SIGNS, LIGHTING & MATTING)

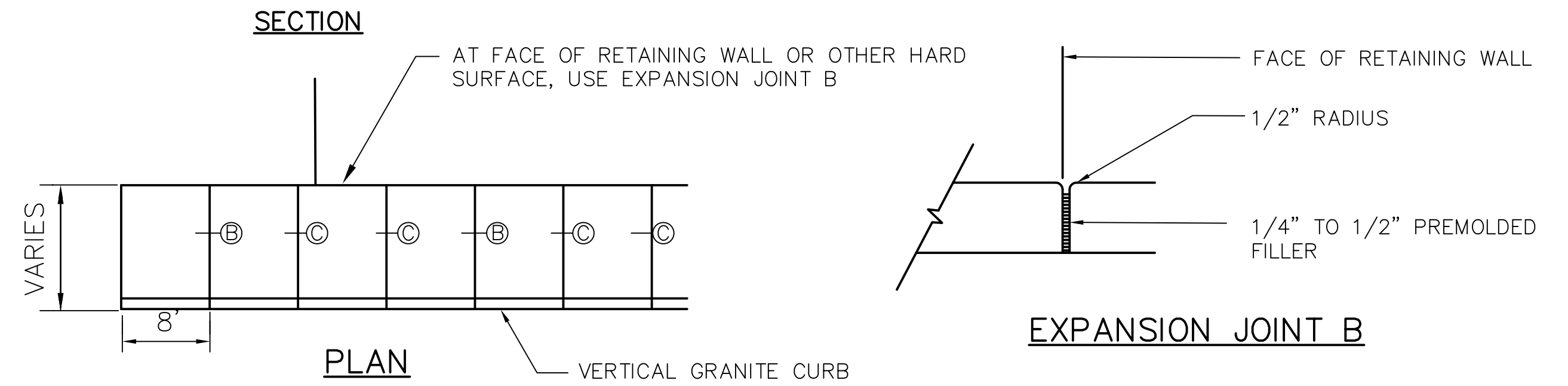
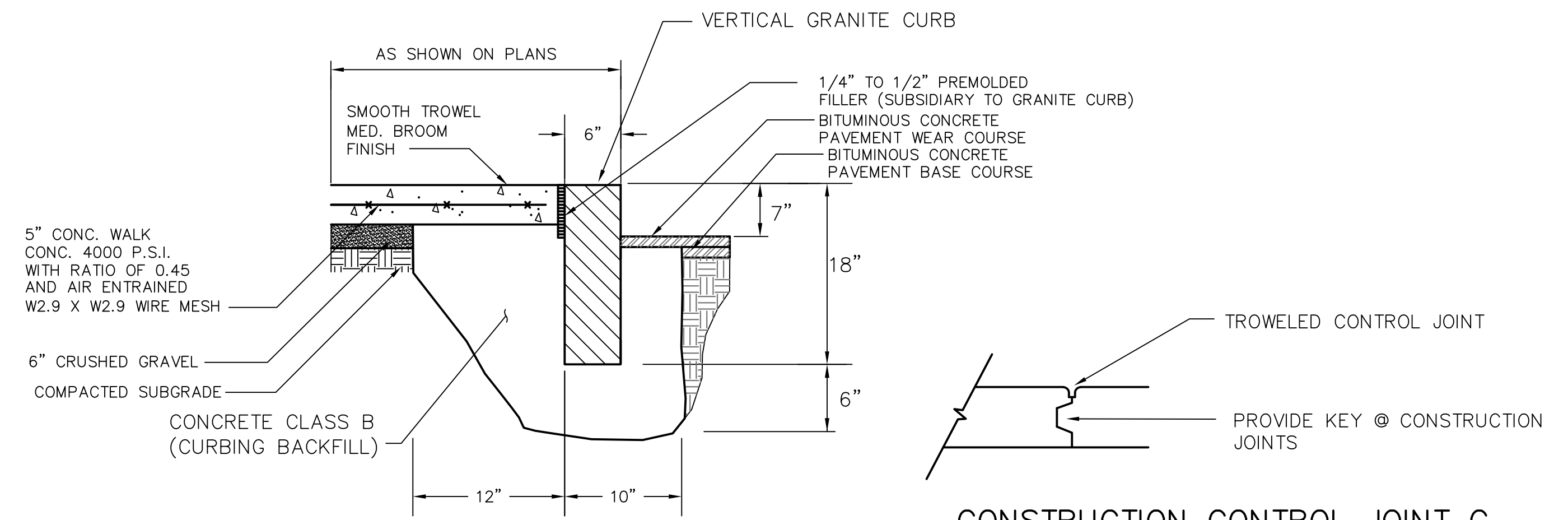
DESIGNED	BY	DATE	CHECKED	BY	DATE	EE PROJ. NO.
SRP	JJM	10/22	DEE	DEE	11/22	22-105
DRAWN			DEE			DWG FILE
QUANTITIES						22-105_ENG

REVIEWED BY: _____ NHDOT PROJ. NO. NA

D-3



MANHOLE STEP DETAIL
NOT TO SCALE

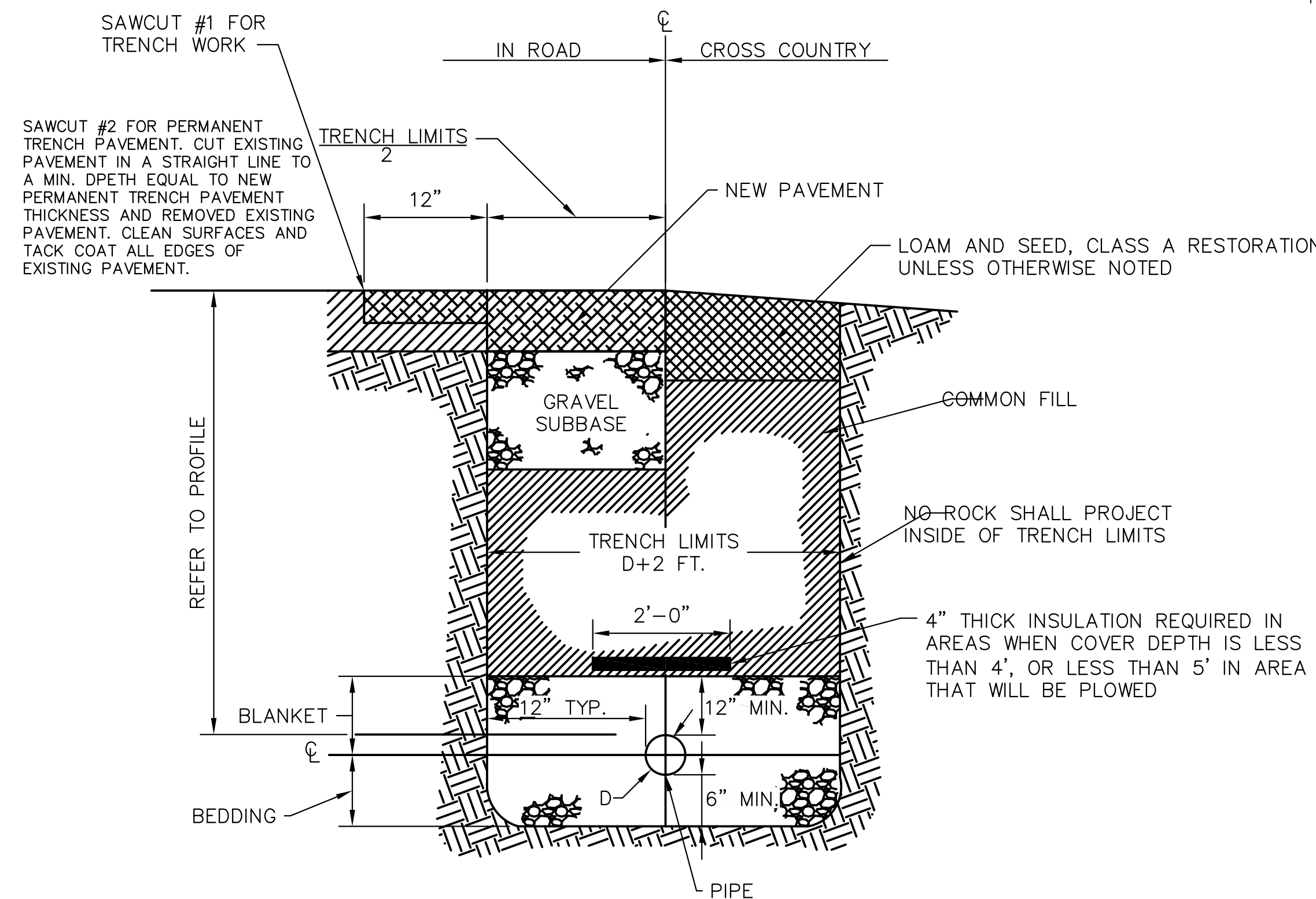


CONCRETE WALKWAY WITH VERTICAL GRANITE CURB
NOT TO SCALE

THRUST BLOCK SCHEDULE		SQUARE FEET OF CONCRETE THRUST BLOCKING BEARING ON UNDISTURBED MATERIAL												
REACTION TYPE	PIPE SIZE	PIPE SIZE												
		4"	6"	8"	10"	12"	14"	16"	18"	20"	24"	30"	36"	48"
TEST PRESSURE = 100 PSIG	A	1.71	2.49	4.29	6.45	9.12	12.26	15.85	19.91	24.43	34.85	53.62	76.81	135.12
	B	1.21	3.53	6.06	9.12	12.70	17.33	22.42	28.16	34.55	49.29	75.83	108.62	191.09
	C	0.92	0.95	3.28	4.94	6.98	9.38	12.13	15.24	18.70	26.68	41.04	58.78	103.42
	D	0.47	0.97	1.67	2.52	3.56	4.78	6.19	7.77	9.53	13.60	20.92	29.97	52.72
	E	0.24	0.49	0.84	1.26	1.79	2.40	3.41	3.90	4.79	6.83	10.51	15.06	26.49

- NOTES:**
- POUR THRUST BLOCKS AGAINST UNDISTURBED MATERIAL. WHERE TRENCH WALL HAS BEEN DISTURBED, EXCAVATE LOOSE MATERIAL AND EXTEND THRUST BLOCK TO UNDISTURBED MATERIAL. NO JOINTS SHALL BE COVERED WITH CONCRETE.
 - ON BENDS AND TEES, EXTEND THRUST BLOCKS FULL LENGTH OF FITTING.
 - PLACE CONCRETE PATIO BLOCKS IN FRONT OF ALL PLUGS BEFORE POURING THRUST BLOCK.
 - REQUIREMENTS OF THE ABOVE TABLE PRESUME MINIMUM SOIL BEARING OF 1 TON PER SQUARE FOOT, AND MAY BE VARIED BY THE ENGINEER TO MEET OTHER CONDITIONS ENCOUNTERED.
 - MEGA-LUG RETAINER GLANDS WITH MEGA-BOND ARE REQUIRED FOR MECHANICAL JOINTS. THESE GLANDS DO NOT REDUCE THE REQUIREMENTS FOR THRUST RESTRAINT.
 - ALL FITTINGS SHALL BE WRAPPED IN POLYETHYLENE OR BUILDING PAPER PRIOR TO INSTALLATION OF CONCRETE RESTRAINT.
 - THREADED ROD SHALL BE ANSI 1242 F150 PIPE RESTRAINT NUTS TO MATCH AWWA C111. THREADED RODS AND NUT TO BE FIELD COATED WITH BITUMINOUS PAINT.
 - THRUST RESTRAINT IS REQUIRED FOR ALL TEES, BENDS, REDUCERS, CAPS, PLUGS, OR CROSSES.
 - INSTALL LIFT HOOKS INTO THRUST BLOCKS AT END CAPS AND PLUGS.
 - THRUST BLOCK AREA IS BASED ON SILT SOIL WITH A BEARING STRENGTH OF 1500 PSF AND A SAFETY FACTOR OF 1.5.
 - PRE-FORMED AND PRE-POURED THRUST BLOCKS ARE NOT ACCEPTABLE.

THRUST BLOCK DETAILS AND NOTES
NOT TO SCALE



SANITARY SEWER TYPICAL TRENCH DETAIL
NOT TO SCALE

- NOTES:**
- WHERE PIPE IS INSTALLED IN GRAVEL SHOULDER OR IN GRAVELED ROAD, GRAVEL SUBBASE SHALL BE 18" THICK FOR THE WIDTH OF THE TRENCH.
 - REFER TO SPECIFICATIONS FOR PAVEMENT THICKNESS REQUIREMENTS.
 - REFER TO SPECIFICATIONS FOR COMMON FILL, BEDDING, AND SUBBASE MATERIAL AND THICKNESS.
 - DEPTH AT TOP OF PIPE SHALL NEVER BE LESS THAN 3' EVEN WITH INSULATION.
 - TRENCH LIMITS SHOWN ARE NOT PAY LIMITS.
 - REFER TO THE SPECIFICATIONS FOR COMPACTION.

**FOR APPROVAL ONLY
NOT FOR CONSTRUCTION**

PLAN SIZE:
FULL SIZE PLANS ARE 24x36
11x17 ARE APPROXIMATE HALF SCALES

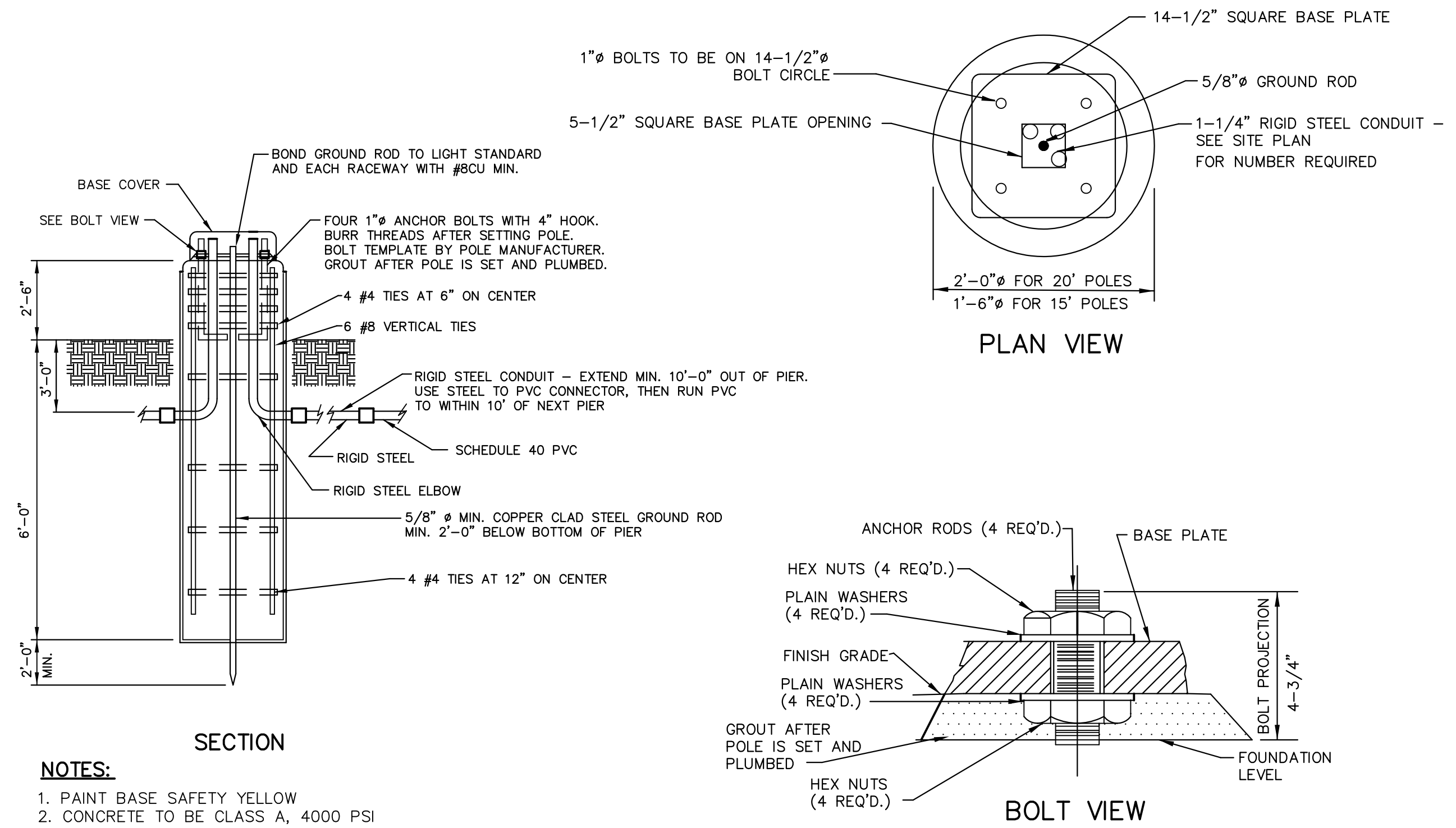
OWNER:
MCKENAN PROPERTIES, LLC
100 CARL DRIVE
UNIT #8
MANCHESTER, NH. 03103

APPLICANT:
GEORGES REALTY, LLC
c/o WIL GEORGES
100 CARL DRIVE, 11a
MANCHESTER, NH. 03103

ECKMAN Engineering, LLC
1950 Lafayette Road Unit 210, PO Box 8025
Portsmouth, New Hampshire 03802
Phone: (603) 433-1354
Fax: (603) 433-2367

No.	DESCRIPTION	BY	DATE

TOWN	GREENVILLE, NEW HAMPSHIRE	BRIDGE NO.	----
FEDERAL PROJECT	----	NHDOT PROJECT	N/A
LOCATION	TOWN OF GREENVILLE TAX MAP 5, LOTS 32 & 32-1 OLD MILL, CHAMBERLIN ST., GREENVILLE, HILLSBOROUGH, NH		
DETAILS - (SEWER & WATER)			
DESIGNED	SRP	BY DATE	10/22
DRAWN	JJM	CHECKED	DEE 11/22
TRACED		CHECKED	DEE 11/22
QUANTITIES		CHECKED	
REVIEWED BY:		NHDOT PROJ. NO.	NA
			D-4

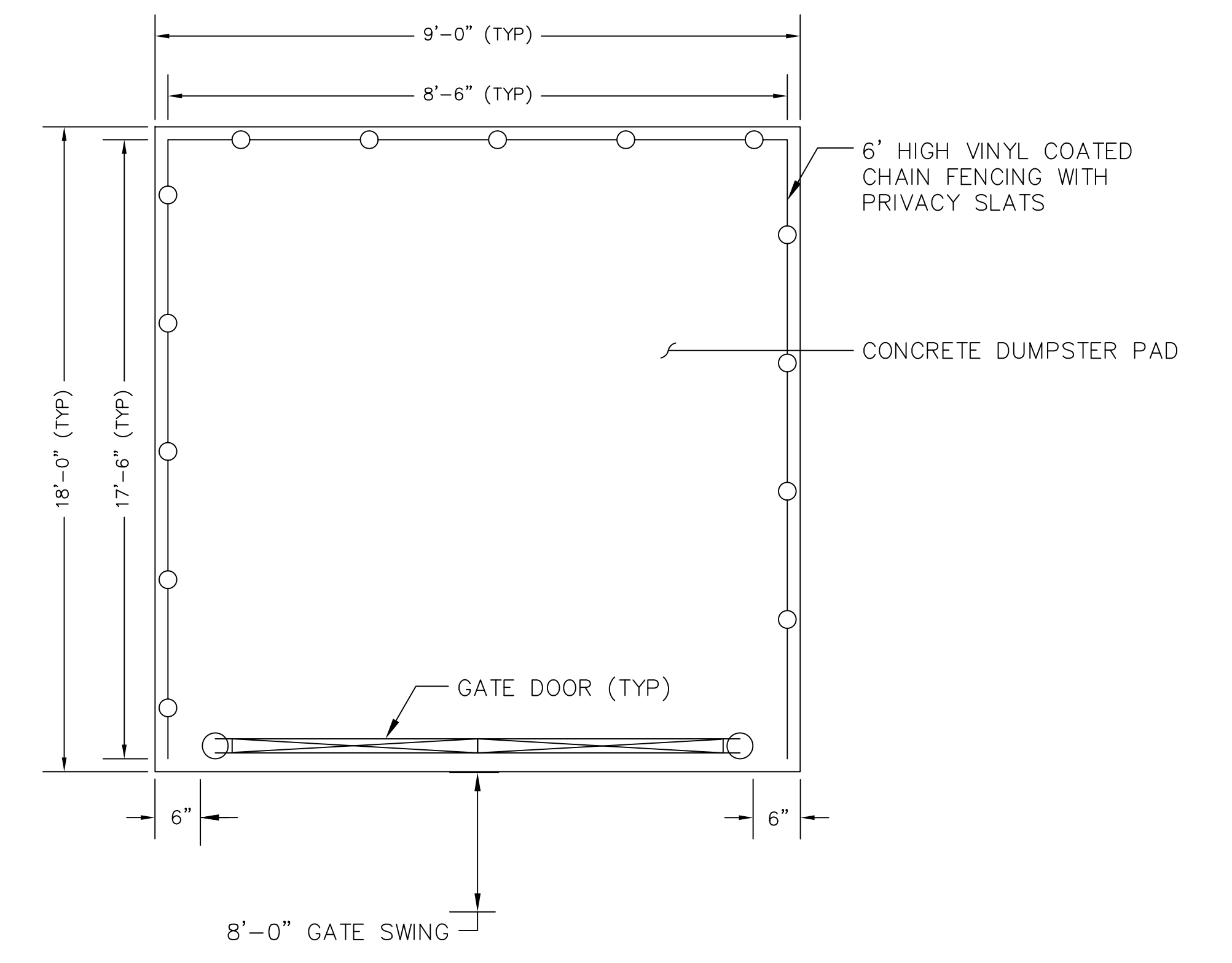


NOTES:

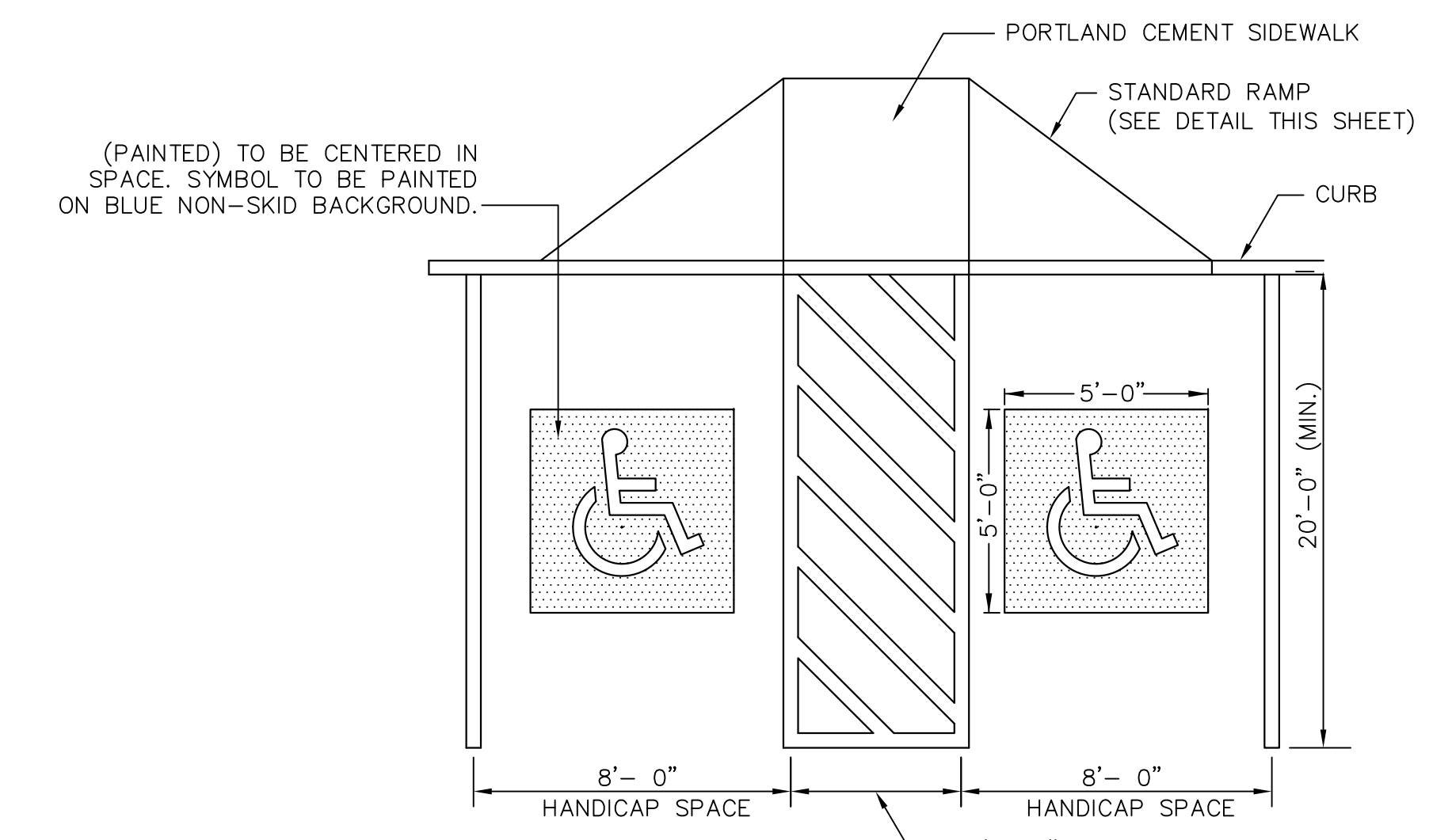
1. PAINT BASE SAFETY YELLOW
2. CONCRETE TO BE CLASS A, 4000 PSI

LIGHT POLE BASE
NOT TO SCALE

- GENERAL NOTES**
1. DETAILS ARE FROM NH DOT STANDARD PLANS.
 2. ALL LIGHT POLES, LUMINAIRES, AND WIRE TO BE FURNISHED AND INSTALLED BY THE POWER COMPANY, UNLESS OTHERWISE DIRECTED.
 3. ANCHOR BOLTS, GROUND ROD & GROUND WIRE TO BE FURNISHED BY THE POWER COMPANY AND INSTALLED BY THE CONTRACTOR, UNLESS OTHERWISE DIRECTED.
 4. BOLT CIRCLE DIAMETER SHALL BE VERIFIED WITH THE POWER COMPANY.
 5. ALL BASES SHALL BE LOCATED 3.0 m (TO CENTER) FROM FACE OF CURB OR EDGE OF PAVED SHOULDER, UNLESS OTHERWISE NOTED.
 6. REINFORCEMENT SHALL CONFORM TO SECTION 544 OF THE STANDARD SPECIFICATIONS.
 7. ANY ANCHOR BOLTS DAMAGED DURING INSTALLATION SHALL BE REPAIRED OR REPLACED AS DIRECTED BY THE ENGINEER.
 8. UPON INSTALLATION, ANCHOR BOLT THREADS SHALL BE CLEANED WITH A WIRE BRUSH.
 9. TERRAIN SURROUNDING BASE MUST BE GRADED AS SHOWN IN DETAIL 'A' TO PREVENT IMPACTING VEHICLES FROM SNAGGING ON BASE.
 10. ITEM NO. 625.2 OR 625.22



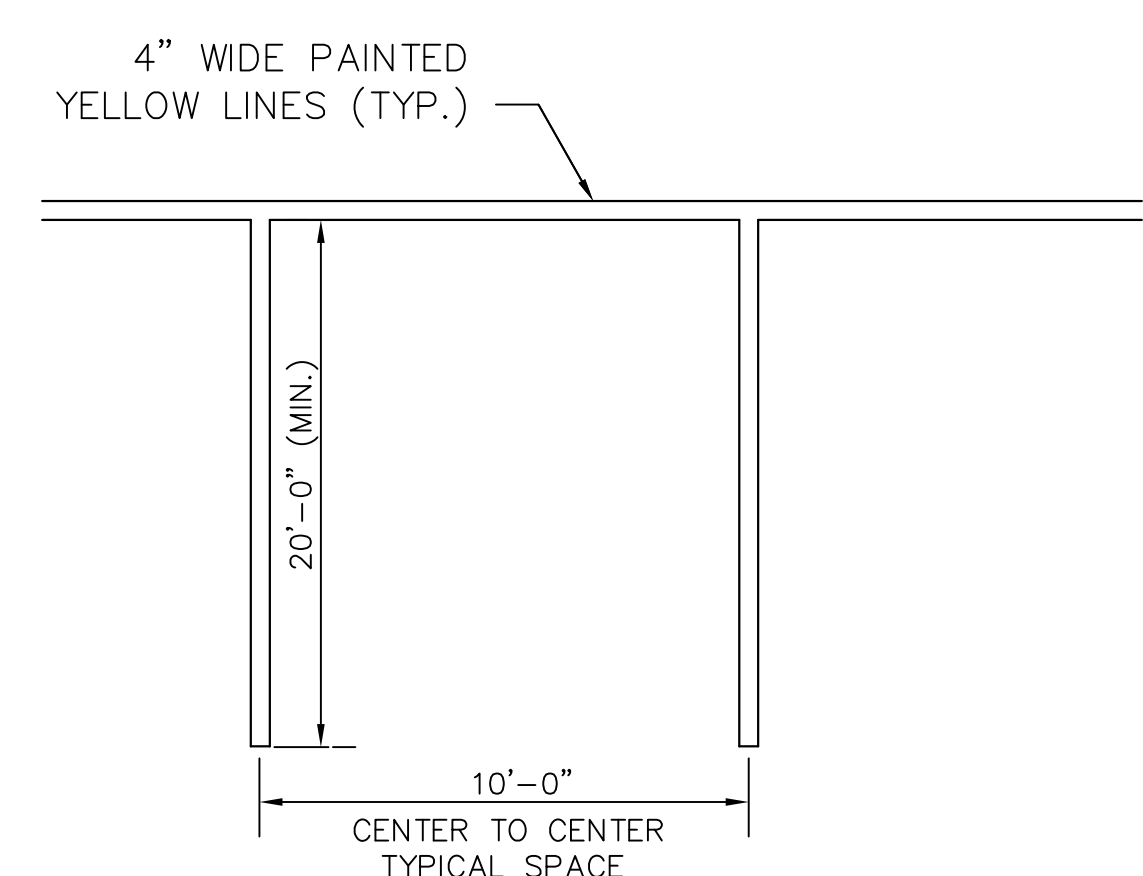
DUMPSTER ENCLOSURE PLAN
NOT TO SCALE



NOTE

ALL PAVEMENT MARKINGS TO CONFORM TO "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" AND "STANDARD ALPHABET FOR HIGHWAY SIGNS AND PAVEMENT MARKINGS", LATEST EDITIONS.

HANDICAP PARKING STALL
NOT TO SCALE

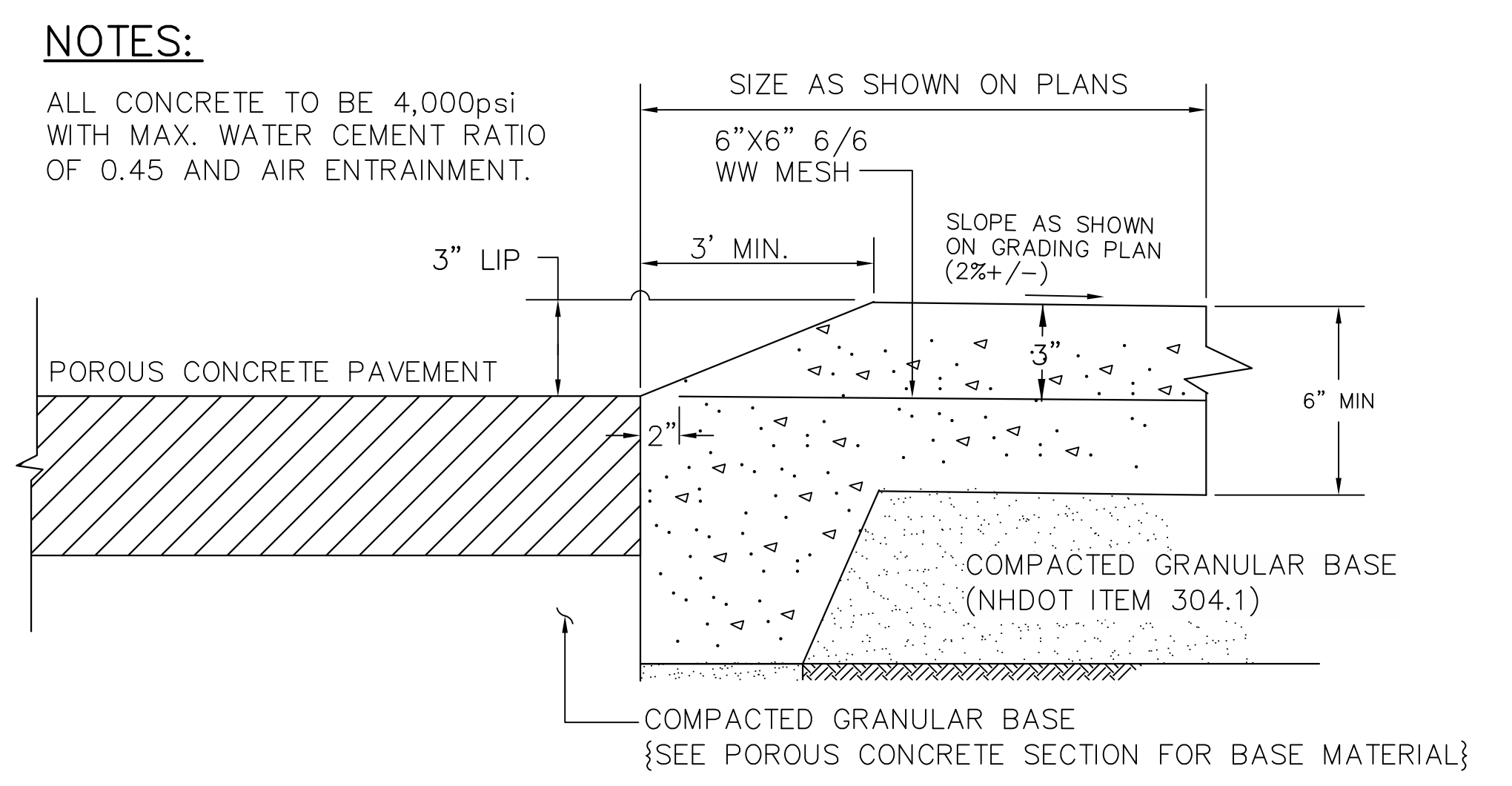


NOTES

ALL PAINT SHALL BE FAST DRYING TRAFFIC PAINT, MEETING AASHTO M248 TYPE F REQUIREMENTS

PAINT SHALL BE APPLIED ACCORDING TO MANUFACTURERS SPECIFICATIONS 2.

SINGLE STRIPPED PARKING STALL
NOT TO SCALE



CONCRETE DUMPSTER PAD
NOT TO SCALE

NOTES:

ALL CONCRETE TO BE 4,000psi WITH MAX. WATER CEMENT RATIO OF 0.45 AND AIR ENTRAINMENT.

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PLAN SIZE:
FULL SIZE PLANS ARE 24x36
11x17 ARE APPROXIMATE HALF SCALES

OWNER:
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100 CARL DRIVE
UNIT #8
MANCHESTER, NH. 03103

APPLICANT:
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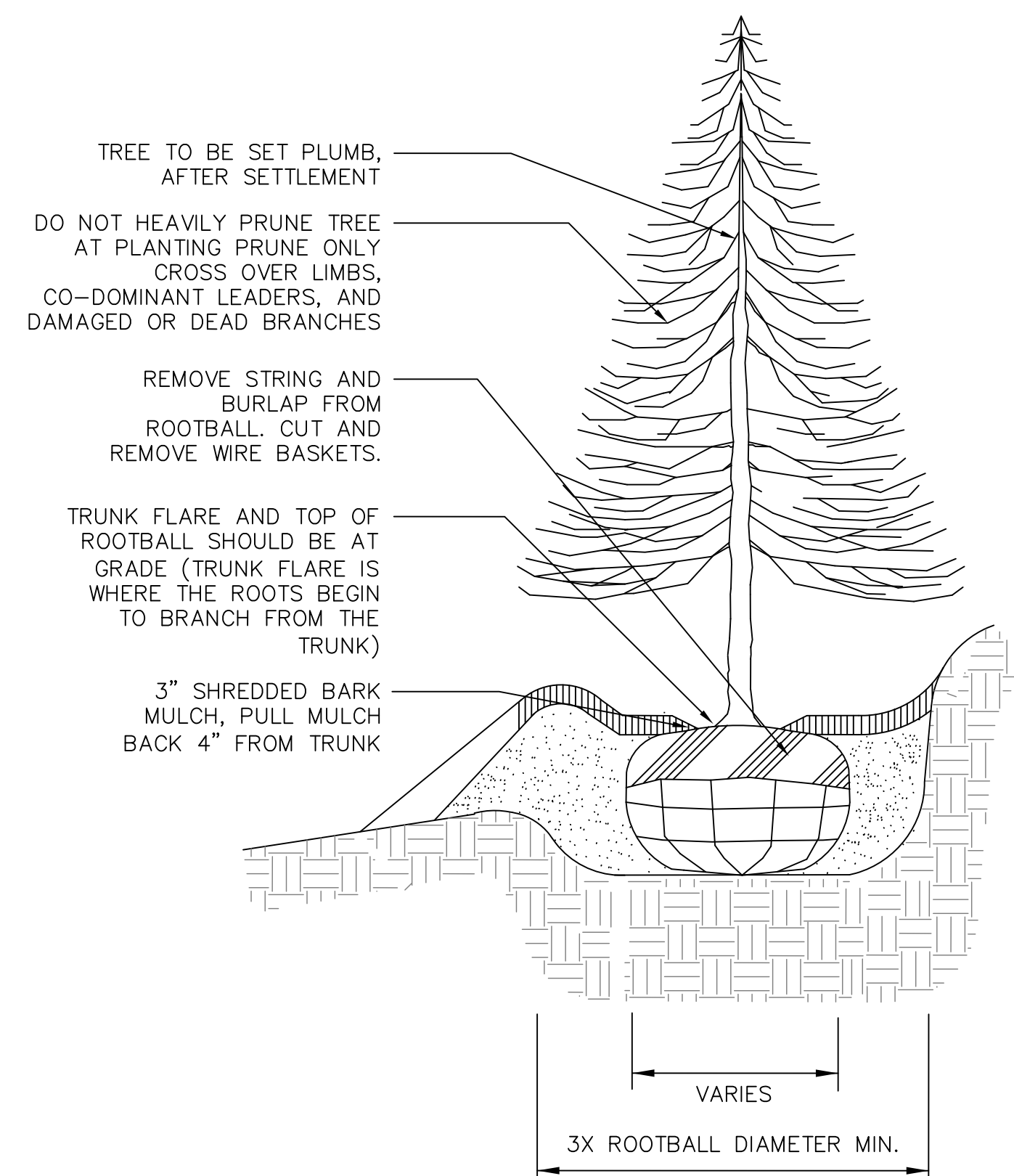
ECKMAN Engineering, LLC
1950 Lafayette Road Unit 210, PO Box 8025
Portsmouth, New Hampshire 03802
Phone: (603) 433-1354
Fax: (603) 433-2367

No.	DESCRIPTION	BY	DATE

TOWN	GREENVILLE, NEW HAMPSHIRE	BRIDGE NO.	----
FEDERAL PROJECT	----	NHDOT PROJECT	N/A
LOCATION	TOWN OF GREENVILLE TAX MAP 5, LOTS 32 & 32-1 OLD MILL, CHAMBERLIN ST., GREENVILLE, HILLSBOROUGH, NH		
DETAILS - (PARKING, POLE BASE & DUMPSTER)			
DESIGNED	SRP	DATE	10/22
DRAWN	JJM	DATE	10/22
TRACED			
QUANTITIES			
REVIEWED BY:		NHDOT PROJ. NO.	NA
		EE PROJ. NO.	22-105
		DWG FILE	22-105_ENG
			D-5

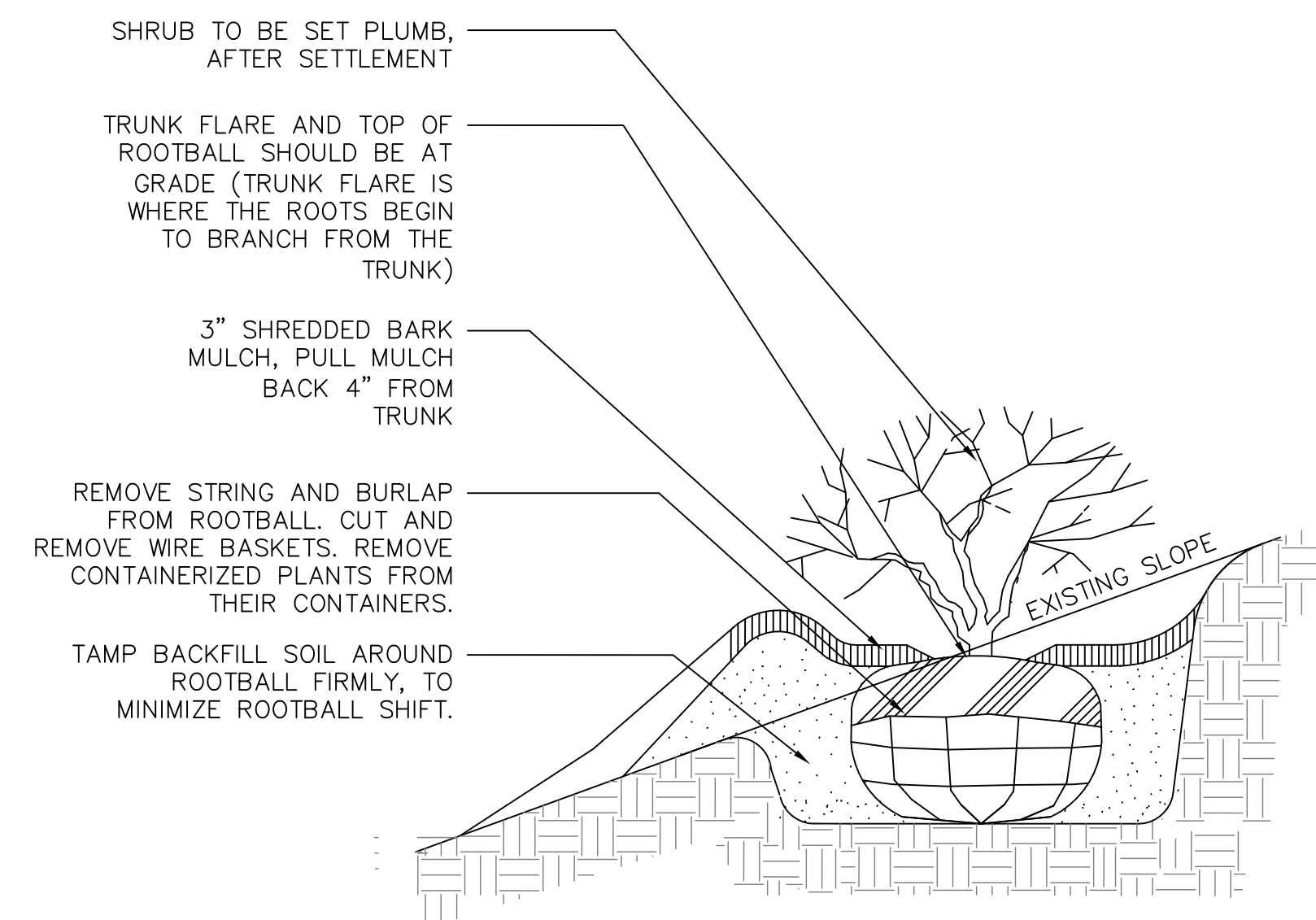
GENERAL NOTES

1. VERIFY LOCATIONS, ELEVATIONS, AND DIMENSIONS IN THE FIELD, PRIOR TO CONSTRUCTION. VERIFY FIELD CONDITIONS RELATING TO WORK TO BE INSTALLED. NOTIFY LANDSCAPE ARCHITECT OF ANY UNUSUAL OR DIFFICULT CONDITIONS IN A TIMELY FASHION PRIOR TO CONSTRUCTION CONCERNING THE CONDITION IN QUESTION.
2. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE TOWN OF GREENVILLE & STATE OF NH. NOTIFY APPROPRIATE AGENCIES AT LEAST 48 HOURS PRIOR TO PERFORMING THE WORK UNDER THEIR JURISDICTION.
3. CONTRACTOR IS RESPONSIBLE FOR SECURING AND PAYING FOR ALL CONSTRUCTION PERMITS AND LICENSES REQUIRED TO COMPLETE SITE WORK. CONTRACTOR IS RESPONSIBLE FOR ALL APPROPRIATE INSPECTIONS OF HIS/HER WORK.
4. ALL WORK SHALL BE OF WORKMANLIKE QUALITY AND IN CONFORMANCE WITH ALL APPLICABLE CODES. CONTRACTOR SHALL READ ALL ZONING AND ENVIRONMENTAL PERMITS WHICH PERTAIN TO THE PROJECT AND SHALL COMPLY WITH ALL THE CONDITIONS THEREIN.
5. NOTIFY LANDSCAPE ARCHITECT AT LEAST 72 HOURS PRIOR TO ANY ROUTINE REQUIRED FIELD OBSERVATION. OBTAIN LANDSCAPE ARCHITECT'S APPROVAL OF THE LAYOUT OF ALL IMPROVEMENTS PRIOR TO CONSTRUCTION.
6. CONTRACTOR IS RESPONSIBLE FOR REPAIR OF DAMAGE OR DISTURBANCE TO OTHER AREAS WHICH MAY OCCUR AS THE RESULT OF HIS/HER WORK WHETHER WITHIN OR OUTSIDE OF THE CONTRACT LIMIT LINES.
7. CONSTRUCTION SHALL FOLLOW THE SEQUENCES AND CONDITIONS ESTABLISHED IN THE SPECIFICATIONS AND PERMITS.
8. IT IS INTENDED THAT THE WORK BE EXECUTED IN ACCORDANCE WITH THE BEST CUSTOMARY BUILDING PRACTICES. IF WORK IS REQUIRED IN A MANNER TO MAKE IT IMPOSSIBLE TO PRODUCE FIRST-CLASS WORK OR IF ERRORS, CONFLICTS OR DISCREPANCIES APPEAR AMONG THE CONTRACT DOCUMENTS, INFORM THE LANDSCAPE ARCHITECT IMMEDIATELY AND REQUEST INTERPRETATION BEFORE PROCEEDING WITH THE WORK.
9. IF CONTRACTOR FAILS TO MAKE SUCH A STATEMENT AND REQUEST, NO EXCUSE WILL THEREAFTER BE ENTERTAINED, NOR ADDITIONAL EXPENSE BE ACCEPTED, FOR FAILURE TO CARRY OUT WORK IN A SATISFACTORY MANNER. SHOULD CONFLICT OCCUR IN OR BETWEEN DRAWINGS AND SPECIFICATIONS, CONTRACTOR IS DEEMED TO HAVE ESTIMATED ON THE MORE EXPENSIVE WAY OF DOING WORK UNLESS HE/SHE SHALL HAVE OBTAINED A WRITTEN DECISION, BEFORE SUBMITTING HIS BID, AS TO WHICH METHOD OR MATERIALS WILL BE REQUIRED.
10. CONTRACTOR IS RESPONSIBLE FOR ALL MATERIALS AND EQUIPMENT STORED AT SITE.
11. EROSION AND SEDIMENTATION CONTROL DEVICES SHALL BE IN PLACE PRIOR TO THE COMMENCEMENT OF ANY WORK.
12. ANY DISCREPANCIES SHALL BE REPORTED IMMEDIATELY TO THE LANDSCAPE ARCHITECT FOR DIRECTION AND RESOLUTION PRIOR TO ANY FURTHER WORK.
13. VISIBLE EXISTING CONDITIONS WHERE FIELD LOCATED, AND UNDERGROUND UTILITY LOCATIONS ARE APPROXIMATE. SITE SUBCONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS, DIMENSIONS, AND GRADES. PRIOR TO START OF ANY FOUNDATION OR UTILITY WORK.
14. WRITTEN DIMENSIONS HAVE PRECEDENCE OVER SCALED DIMENSIONS. THE CONTRACTOR SHALL USE CAUTION WHEN SCALING REPRODUCED PLANS. IN CASE OF CONFLICT BETWEEN THIS PLAN SET AND ANY OTHER DRAWING AND/OR SPECIFICATION, THE LANDSCAPE ARCHITECT SHALL BE NOTIFIED IMMEDIATELY FOR CLARIFICATIONS.
15. THE CONTRACTOR IS RESPONSIBLE FOR THE MEANS AND METHODS OF CONSTRUCTION AND FOR CONDITIONS AT THE SITE. THESE PLANS, PREPARED BY TERRAIN PLANNING & DESIGN LLC, DO NOT EXTEND TO OR INCLUDE SYSTEMS PERTAINING TO THE SAFETY OF THE CONSTRUCTION CONTRACTOR OR THEIR EMPLOYEES, AGENTS OR REPRESENTATIVES IN THE PERFORMANCE OF THE WORK. THE SEAL OF THE SURVEYOR, ENGINEER OR LANDSCAPE ARCHITECT HEREON DOES NOT EXTEND TO ANY SUCH SAFETY SYSTEMS THAT MAY NOW OR HEREAFTER BE INCORPORATED INTO THESE PLANS. THE CONSTRUCTION CONTRACTOR SHALL PREPARE OR OBTAIN THE APPROPRIATE SAFETY SYSTEMS WHICH MAY BE REQUIRED BY THE U.S. OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) AND/OR LOCAL REGULATIONS.
16. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FAMILIARIZE HIMSELF WITH THE SITE AND ALL EXISTING CONDITIONS SURROUNDING IT AND THEREON. THE CONTRACTOR SHALL ADVISE THE APPROPRIATE AUTHORITY OF HIS INTENTIONS AT LEAST 48 HOURS IN ADVANCE.
17. THESE PLANS WERE PREPARED UNDER THE SUPERVISION OF A LICENSED PROFESSIONAL LANDSCAPE ARCHITECT. NO LIABILITY AS A RESULT OF ANY CHANGES OR NON-CONFORMANCE WITH THESE PLANS EXCEPT UPON THE WRITTEN APPROVAL OF THE LANDSCAPE ARCHITECT OF RECORD.
18. PREPARATION UNDER ALL HARD SURFACES TO BE COMPACTED TO 98% STANDARD PROCTOR DENSITY.
19. SITE CONTRACTOR IS RESPONSIBLE FOR CONTACTING DIG SAFE PRIOR TO ANY EXCAVATION, 1-888-DIG-SAFE.



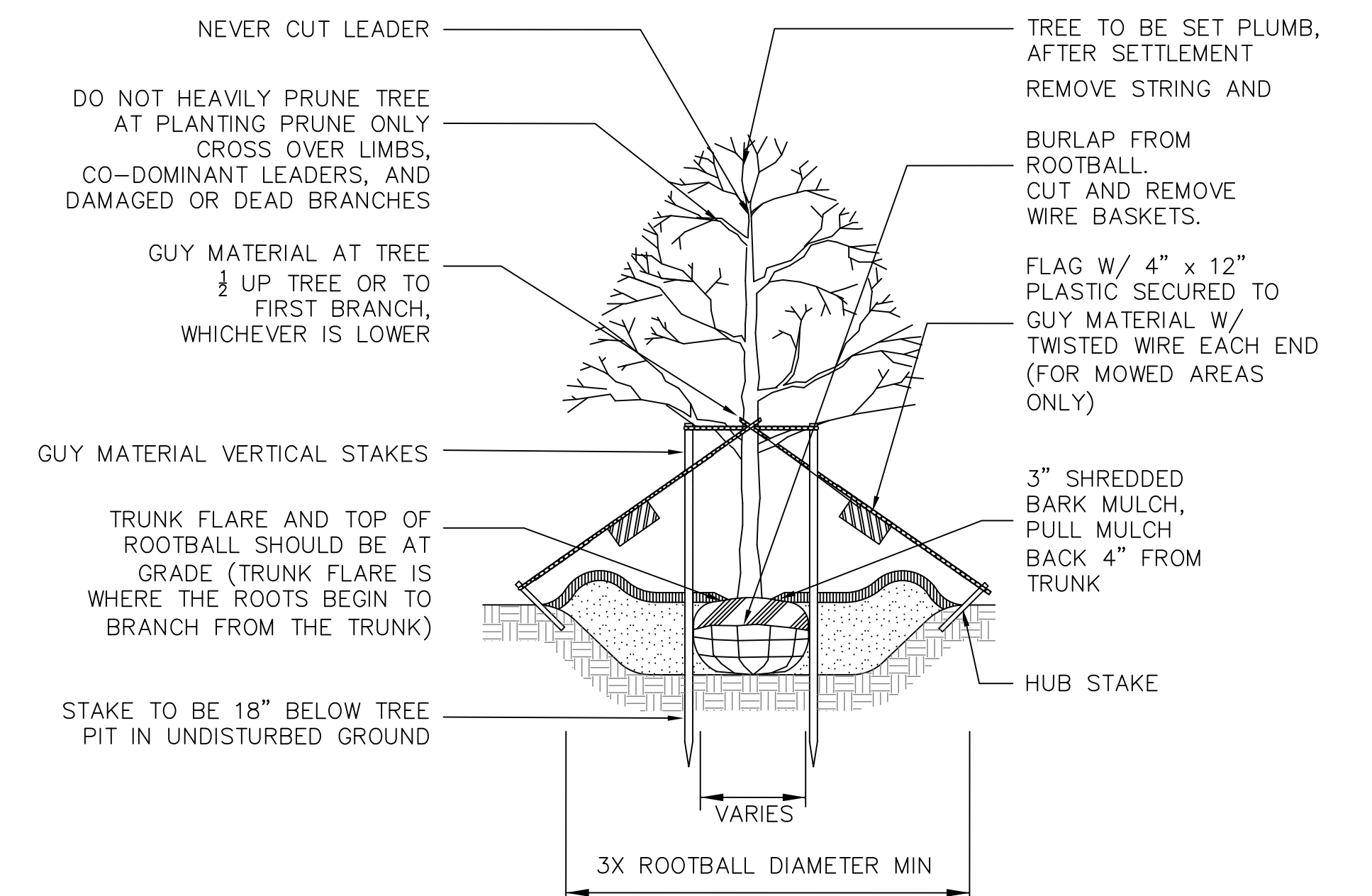
- NOTES:**
1. DO NOT STAKE EVERGREEN TREES.
 2. LOAM FOR BACKFILLING SHALL BE AMENDED AS REQUIRED BY LANDSCAPE ARCHITECT.
 3. TAMP BACKFILL SOIL AROUND ROOTBALL FIRMLY TO MINIMIZE ROOTBALL SHIFT.

EVERGREEN TREE PLANTING



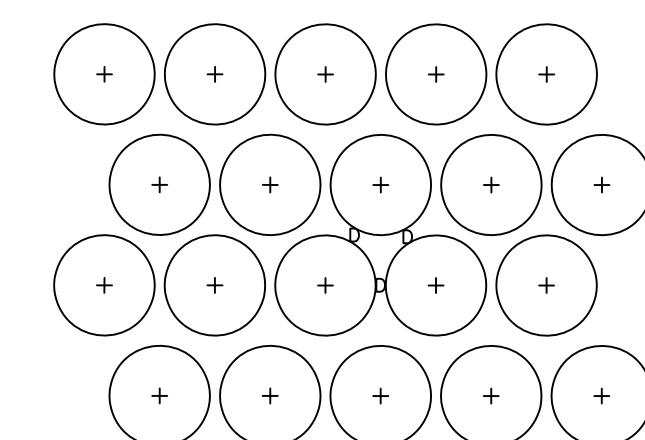
- NOTE:**
1. DO NOT HEAVILY PRUNE SHRUB AT PLANTING, PRUNE ONLY CROSSOVER LIMBS AND DAMAGED OR DEAD BRANCHES.
 2. BACKFILL WITH LOAM, AMEND AS REQUIRED BY LANDSCAPE ARCHITECT.
 3. SHRUBS & GROUNDCOVER PLANTED ADJACENT TO CITY SIDEWALKS NEED TO BE PLACED SO THE PLANTS, AT THEIR MATURE HEIGHT & WIDTH, WILL NOT ENCR OACH INTO THE CITY'S SIDEWALK.

TYPICAL SHRUB PLANTING

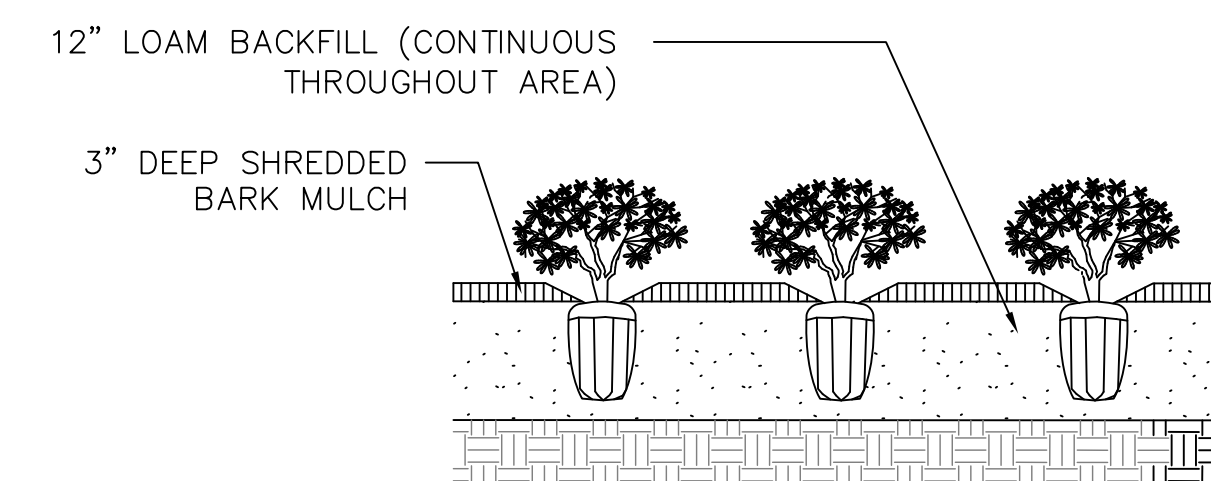


- NOTES:**
1. GUYING AND STAKING TO BE DETERMINED IN THE FIELD BY THE LANDSCAPE ARCHITECT. LOCAL FIELD CONDITIONS AS WELL AS PLANT CHARACTERISTICS WILL DETERMINE THE NECESSITY OF GUYING AND STAKING.
 2. TYPICALLY ONLY TREES WITH A 3" OR GREATER CALIPER NEED TO BE STAKED. TREES WITH LESS THAN A 3" CALIPER NEED TO BE STAKED ONLY AS REQUIRED BY LANDSCAPE ARCHITECT.
 3. ONLY WRAP TREE TRUNKS AS REQUIRED BY LANDSCAPE ARCHITECT.
 4. TREE SHALL BE SET PLUMB, AFTER SETTLEMENT.
 5. LOAM FOR BACKFILLING SHALL BE AMENDED AS REQUIRED BY LANDSCAPE ARCHITECT.
 6. CITY TREES PLANTED ON PRIVATE PROPERTY, ADJACENT TO A PUBLIC RIGHT-OF-WAY, NEED TO BE PLANTED A MINIMUM OF 5 FEET FROM THE EDGE OF THE CITY SIDEWALK.

DECIDUOUS TREE PLANTING



NOTE:
D = DIMENSION OF PLANT SPACING (SHRUB OR GROUNDCOVER AS INDICATED ON PLANS)



TYPICAL PERENNIAL PLANTING

**FOR APPROVAL ONLY
NOT FOR CONSTRUCTION**

PLAN SIZE:
FULL SIZE PLANS ARE 24x36
11x17 ARE APPROXIMATE HALF SCALES

OWNER:
**MCKENAN
PROPERTIES, LLC**
100 CARL DRIVE
UNIT #8
MANCHESTER, NH. 03103

APPLICANT:
**GEORGES
REALTY, LLC**
c/o WIL GEORGES
100 CARL DRIVE, 11a
MANCHESTER, NH. 03103

**ECKMAN
Engineering, LLC**
1950 Lafayette Road Unit 210, PO Box 8025
Portsmouth, New Hampshire 03802
Phone: (603) 433-1354
Fax: (603) 433-2367

No.	DESCRIPTION	BY	DATE

TOWN	GREENVILLE, NEW HAMPSHIRE	BRIDGE NO.	----
FEDERAL PROJECT	----	NHDOT PROJECT	N/A
LOCATION	TOWN OF GREENVILLE TAX MAP 5, LOTS 32 & 32-1 OLD MILL, CHAMBERLIN ST., GREENVILLE, HILLSBOROUGH, NH		
DETAILS (BMP'S FOR INVASIVE SPECIES)			
DESIGNED	SRP	BY DATE	11/22
DRAWN	JJM	CHECKED	DEE 11/22
TRACED		CHECKED	
QUANTITIES		CHECKED	
REVIEWED BY:		NHDOT PROJ. NO.	NA
		EE PROJ. NO.	22-105
		DWG FILE	22-105_ENG
			D-6

BEST MANAGEMENT PRACTICES FOR COMMON INVASIVE SPECIES

Eckman Engineering was on-site late fall well after the growing season and while no invasive species were identified on site it is important that the contractor have Best management Practices available to deal with invasive species should they be encountered. BMPs are therefore provided to deal with several common invasive species that are frequently encountered in the State of New Hampshire. Prior to beginning work the contractor shall have a professional qualified to identify invasive species check the proposed excavation areas of the site. The contractor shall apply or hire someone experienced to apply the following BMPs required:

Knotweed

Knotweed BMP #1: Any treatment or control of knotweed should take place prior to seed maturation (late August). While knotweed spreads primarily via vegetative reproduction, it does produce viable seeds that can germinate in the wild.

Knotweed BMP #2: Do not mow knotweed, especially if it is growing near a ditch line, wetland, or surface water. Mowing knotweed creates small stem fragments that can be spread by the mowing equipment or moving water. These fragments can sprout and start new populations of knotweed.

Knotweed BMP #3: If knotweed must be removed (i.e. for safety reasons), a control plan should be implemented using preferred control methods (see following page). If a control plan is not implemented, the preferred method of removal is hand cutting, especially near water.

Knotweed BMP #4: If hand cutting is not feasible and mowing equipment must be used, the site should be raked immediately after mowing and as much plant material as possible should be collected and rendered nonviable. All mowing equipment should be cleaned prior to leaving the site. Note that cutting, whether manual or mechanical, is generally not an effective method for eradicating knotweed.

Knotweed BMP #5: If excavation will occur in areas containing knotweed, one or more of the following methods must be used to avoid spreading viable plant material:

- a) Treat all knotweed stems with herbicide. This control method should be carried out at least two years prior to excavation in order to allow time to perform an adequate number of herbicide treatments to kill the entire root system.
- b) Excavate as needed and spread all material containing roots and stems on an impervious surface. Care must be taken not to spread plant material during excavation and transport. Root material should be broken up as much as possible to promote a faster drying time. Once material has completely dried out, it is nonviable and can be used or disposed of on or off site.
- c) If the above methods are not feasible, excavated material can be buried at the site of infestation at least five feet below grade.

Knotweed Control Option #1: Chemical Control
Herbicide treatment is the most effective way to eradicate knotweed. The best time to apply herbicide is late summer or early fall, when the plants are just starting to flower. The following application methods are effective; however, treatments will likely be required for at least two consecutive years, regardless of the method used.

- Effective herbicide treatments:
- a) Early summer cut followed by a late summer/early fall foliar spray – best for small to medium sized populations.
 - b) Foliar spray twice in one growing season – best for large, dense populations
 - c) Stem injection – best for small to medium sized populations
 - d) Cut & fill (stem cut and filled with herbicide) – best for small to medium sized populations

Important considerations:
 § Any method that requires cutting the knotweed stems necessitates proper disposal of the cut stems.
 § Presently, the NH Department of Agriculture Division of Pesticides requires knotweed to be listed on the herbicide label as a target species for a specific application method.
 § A permit from the Division of Pesticides must be obtained prior to applying herbicide. Application of herbicide must be consistent with herbicide label and carried out by a licensed applicator.
 § Currently, the Division of Pesticides allows only cut stem treatments along public road rights-of-way during the period of green foliage.
 § Applying herbicide to the right-of-way between June 1st and October 15th requires going through a public notification process to obtain a permit. However, cut stem treatments do not require public notification.
 § Avoid herbicide drift and spillage to minimize impacts to non-target species.

Knotweed Control Option #2: Mechanical Control
If herbicide treatment is not an option, cutting is sometimes successful in eradicating knotweed, but only with small, young populations, and only when done repeatedly (at least 4 times each growing season) for several years. Cutting by hand with a scythe or loppers is preferable to mowing. Cut material should be destroyed and all equipment should be cleaned prior to leaving the site.

Purple Loosestrife

Loosestrife BMP #1: Any treatment or control of loosestrife should take place prior to seed maturation (early August). A mature loosestrife plant can produce more than 2 million seeds.

Loosestrife BMP #2: Do not mow loosestrife if it can be avoided. Mowing loosestrife creates small stem fragments that can be spread by the mowing equipment or moving water. These fragments can sprout and start new populations of loosestrife.

Loosestrife BMP #3: If excavation will occur in areas containing purple loosestrife, one or more of the following methods must be used to avoid spreading viable plant material:
 a) Treat all loosestrife stems with herbicide. This control method should be carried out at least two years prior to excavation in order to allow time to perform an adequate number of herbicide treatments to kill the entire root system.

- b) Excavate as needed and spread all material containing roots and stems on an impervious surface. Care must be taken not to spread plant material during excavation and transport. Root material should be broken up as much as possible to promote a faster drying time. Once material has completely dried out, it is nonviable and can be used or disposed of on or off site.
- c) Excavated material can be buried on or off site at least three feet below grade.

Loosestrife Control Option #1: Mechanical Control
Cutting or pulling by hand can be effective in eradicating small, young populations. However, this treatment must be continued for several years and any disturbed soil must be stabilized. Any material that is cut or pulled must be rendered non-viable. Both stem and root fragments can sprout new plants.

Loosestrife Control Option #2: Biological Control
Biological control measures have been developed for loosestrife and consist of leaf-feeding and root-feeding beetles. This control method is best for large, dense populations. More information about this option can be obtained from the NHDOT Bureau of Environment or the NH Department of Agriculture.

Loosestrife Control Option #3: Chemical Control
Herbicide can be applied in late July. The selected herbicide must be approved for use in wetlands. Treatments will likely be required for at least two consecutive years, regardless of the method used.
 Effective herbicide treatments:
 a) Foliar spray
 b) Cut stem

Important considerations:
 § Presently, the NH Department of Agriculture Division of Pesticides requires loosestrife to be listed on the herbicide label as a target species for a specific application method.
 § A permit from the Division of Pesticides must be obtained prior to applying herbicide. Application of herbicide must be consistent with herbicide label and carried out by a licensed applicator.
 § Currently, the Division of Pesticides allows only cut stem treatments along public road rights-of-way during the period of green foliage.
 § Applying herbicide to the right-of-way between June 1st and October 15th requires going through a public notification process to obtain a permit. However, cut stem treatments do not require public notification.
 § Avoid herbicide drift and spillage to minimize impacts to non-target species.

Phragmites

Phragmites BMP #1: Do not mow phragmites if it can be avoided. Phragmites spreads vigorously by vegetative reproduction. Mowing phragmites creates small stem fragments that can be spread by the mowing equipment or moving water. These fragments can sprout and start new populations.

Phragmites BMP #2: Cutting by any method, when done at the wrong time, can increase stand density. Cutting should be timed to coincide with tasseling (when flowers begin to develop at the top of stem – late July/early August). This is when most of the plant's food reserves are aboveground.

Phragmites BMP #3: If excavation will occur in areas containing phragmites, one or more of the following methods must be used to avoid spreading viable plant material:
 a) Treat all phragmites stems with herbicide. This control method should be carried out at least two years prior to excavation in order to allow time to perform an adequate number of herbicide treatments to kill the entire root system.
 b) Excavate as needed and spread all material containing roots and stems on an impervious surface. Care must be taken not to spread plant material during excavation and transport. Root material should be broken up as much as possible to promote a faster drying time. Once material has completely dried out, it is non-viable and can be used or disposed of on or off site.
 c) Excavated material can be buried on or off site at least three feet below grade.

Phragmites Control Option #1: Mechanical Control
Cutting by hand, pulling, or digging can be effective in eradicating small, new populations. These methods should be used in late July or early August when the plants are close to or in tasseling stage. This treatment must be continued for several years and any disturbed soil must be stabilized. Any material that is removed must be rendered non-viable. Both stem and root fragments can sprout into new plants.

Phragmites Control Option #2: Chemical Control
Herbicide can be applied in late summer (after tasseling). The selected herbicide must be approved for use in wetlands. Treatments will likely be required for at least two consecutive years, regardless of the method used.
 Effective herbicide treatments:
 a) Foliar spray
 b) Stem injection

Important considerations:
 Presently, the NH Department of Agriculture Division of Pesticides requires phragmites to be listed on the herbicide label as a target species for a specific application method.
 A permit from the Division of Pesticides must be obtained prior to applying herbicide. Application of herbicide must be consistent with herbicide label and carried out by a licensed applicator.
 Currently, the Division of Pesticides allows only cut stem treatments along public road rights-of-way during the period of green foliage.
 Applying herbicide to the right-of-way between June 1st and October 15th requires going through a public notification process to obtain a permit. However, cut stem treatments do not require public notification.
 Avoid herbicide drift and spillage to minimize impacts to non-target species.

**FOR APPROVAL ONLY
NOT FOR CONSTRUCTION**

PLAN SIZE:
FULL SIZE PLANS ARE 24x36
11x17 ARE APPROXIMATE HALF SCALES

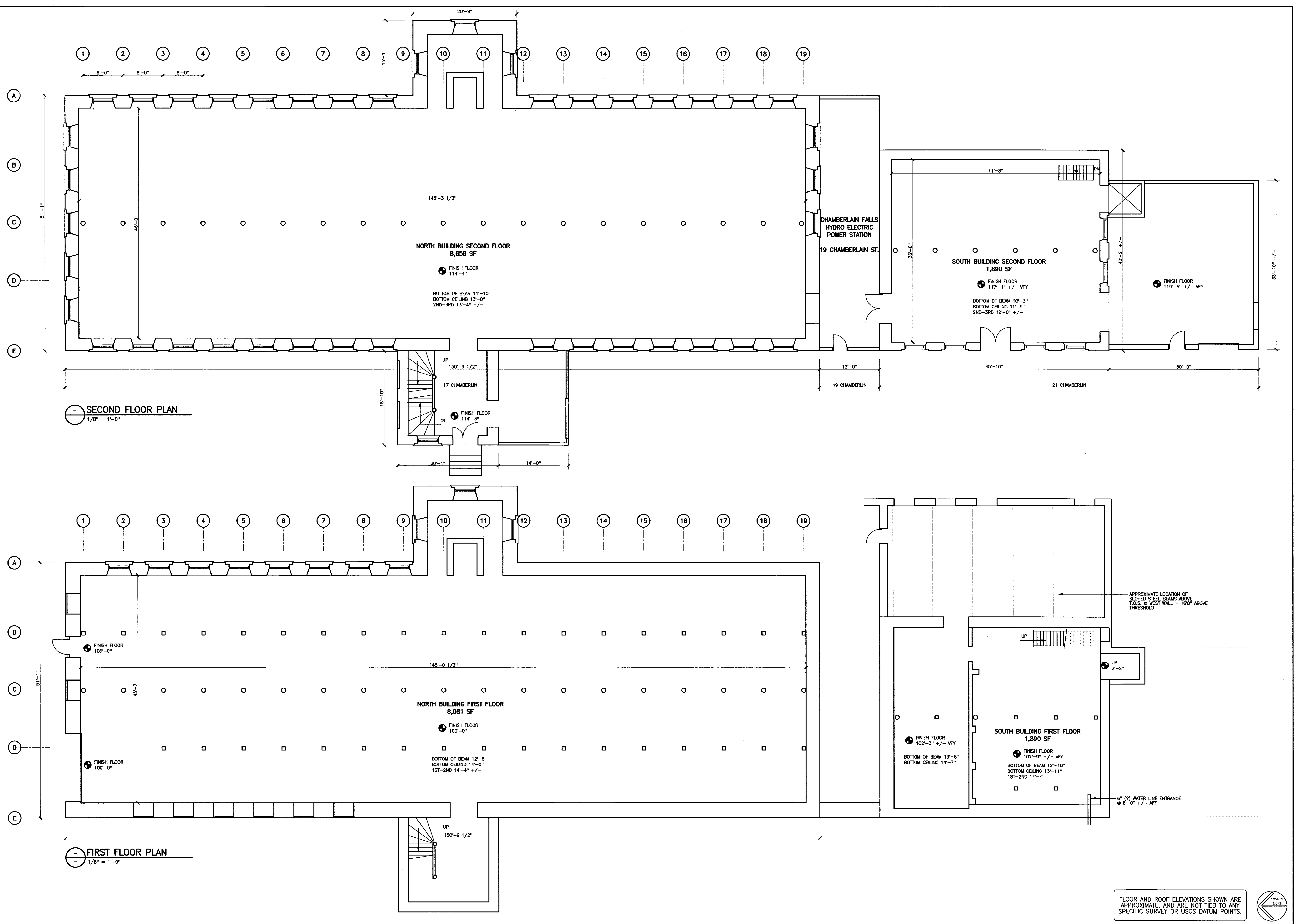
OWNER:
**MCKENAN
PROPERTIES, LLC**
100 CARL DRIVE
UNIT #8
MANCHESTER, NH. 03103

APPLICANT:
**GEORGES
REALTY, LLC**
c/o WIL GEORGES
100 CARL DRIVE, 11a
MANCHESTER, NH. 03103

**ECKMAN
Engineering, LLC**
1950 Lafayette Road Unit 210, PO Box 8025
Portsmouth, New Hampshire 03802
Phone: (603) 433-1354
Fax: (603) 433-2367

No.	DESCRIPTION	BY	DATE

TOWN	GREENVILLE, NEW HAMPSHIRE	BRIDGE NO.	----
FEDERAL PROJECT	----	NHDOT PROJECT	N/A
LOCATION	TOWN OF GREENVILLE TAX MAP 5, LOTS 32 & 32-1 OLD MILL, CHAMBERLIN ST., GREENVILLE, HILLSBOROUGH, NH		
DETAILS (BMP'S FOR INVASIVE SPECIES)			
DESIGNED	SRP	BY DATE	10/22
CHECKED	DEE	BY DATE	11/22
EE PROJ. NO.	22-105		
DRAWN	JJM	BY DATE	10/22
CHECKED	DEE	BY DATE	11/22
DWG FILE	22-105_ENG		
QUANTITIES		CHECKED	
REVIEWED BY:		NHDOT PROJ. NO.	NA
			D-7



SECOND FLOOR PLAN
1/8" = 1'-0"

FIRST FLOOR PLAN
1/8" = 1'-0"

FLOOR AND ROOF ELEVATIONS SHOWN ARE APPROXIMATE, AND ARE NOT TIED TO ANY SPECIFIC SURVEY OR UGSS DATUM POINTS.



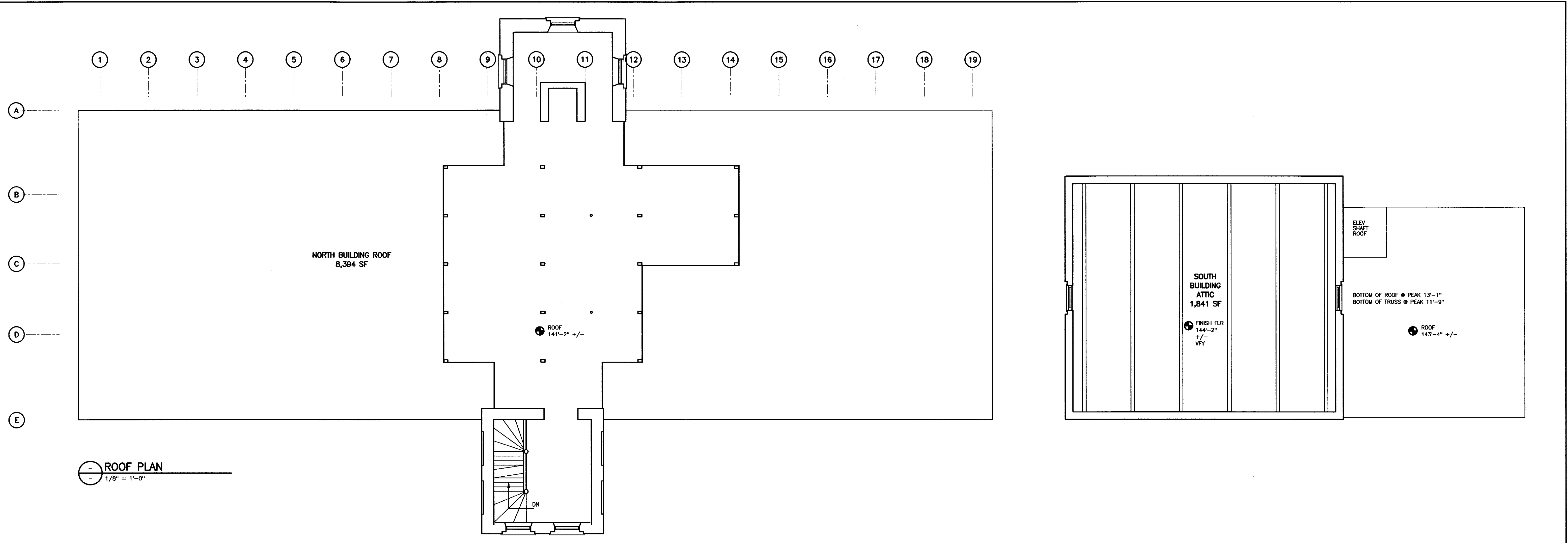
PROPOSED IMPROVEMENTS AT:
17 & 21 CHAMBERLIN STREET
GREENVILLE, NH 03048

EXISTING FIRST and SECOND FLOOR PLANS
@ 1/8" = 1'-0"

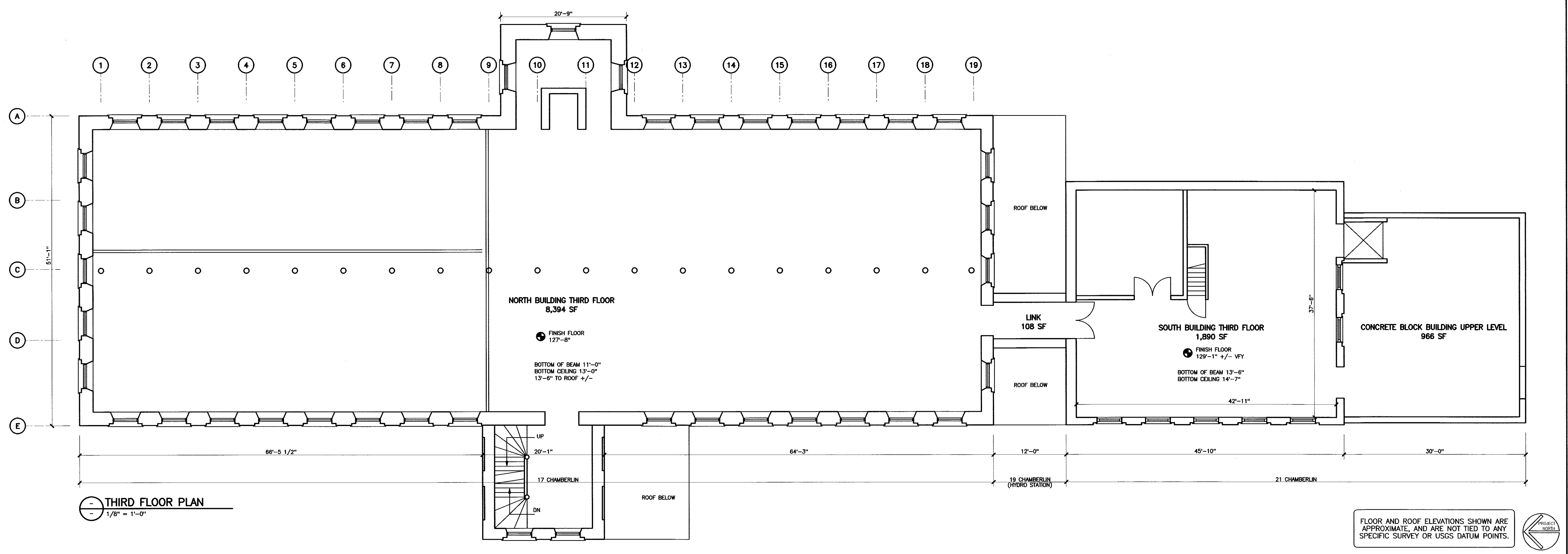
DATE: OCT. 10, 2022
FILE: 2229\GEORGES\EX1-2

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EX 1ST
EX 2ND



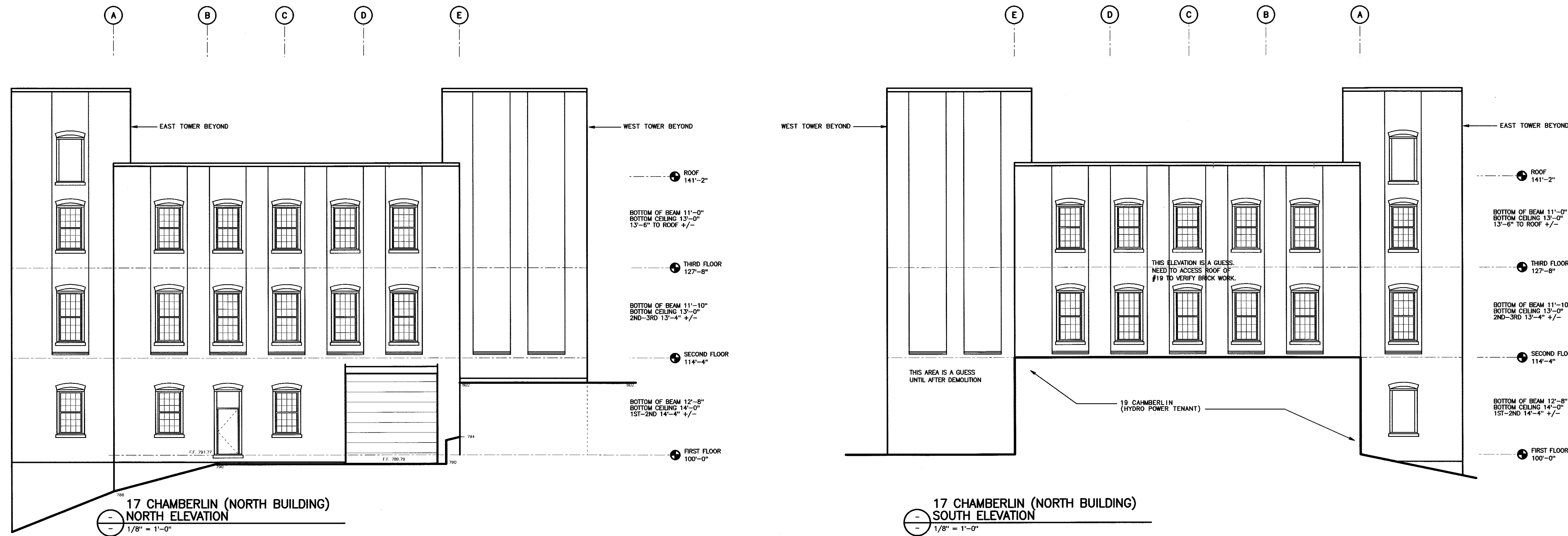
ROOF PLAN
1/8" = 1'-0"



THIRD FLOOR PLAN
1/8" = 1'-0"

FLOOR AND ROOF ELEVATIONS SHOWN ARE APPROXIMATE, AND ARE NOT TIED TO ANY SPECIFIC SURVEY OR USGS DATUM POINTS.





17 CHAMBERLIN (NORTH BUILDING)
 NORTH ELEVATION
 1/8" = 1'-0"

17 CHAMBERLIN (NORTH BUILDING)
 SOUTH ELEVATION
 1/8" = 1'-0"



17 & 21 CHAMBERLIN
 WEST ELEVATION
 1/8" = 1'-0"

FLOOR AND ROOF ELEVATIONS SHOWN ARE APPROXIMATE, AND ARE NOT TIED TO ANY SPECIFIC SURVEY OR USGS DATUM POINTS.

PROPOSED IMPROVEMENTS AT:

17 & 21 CHAMBERLIN STREET
 GREENVILLE, NH 03048

EXISTING EXTERIOR ELEVATIONS
 @ 1/8" = 1'-0"

DATE: OCT. 10, 2022
 FILE: 2229\GEORGES\ EXELEV1

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EX ELEV 1

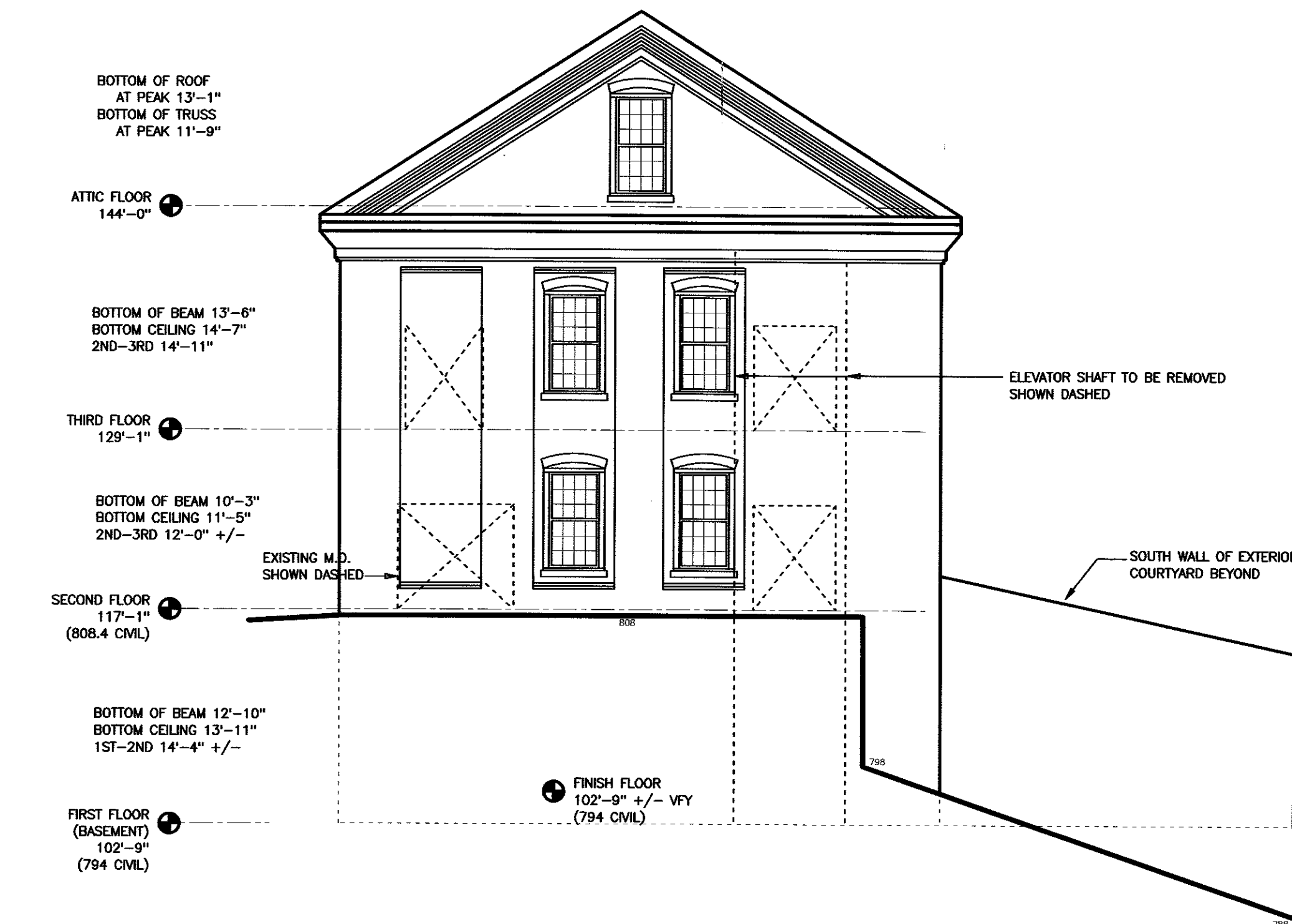
0 1 2 3 4 5 6 7 8 9 10 11 12

A

B

C

D



21 CHAMBERLIN (SOUTH BUILDING)
SOUTH ELEVATION
1/8" = 1'-0"

19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1



17 & 21 CHAMBERLIN
EAST ELEVATION
1/8" = 1'-0"

FLOOR AND ROOF ELEVATIONS SHOWN ARE APPROXIMATE, AND ARE NOT TIED TO ANY SPECIFIC SURVEY OR USGS DATUM POINTS.

LAUER ARCHITECTS, P.A.
118 PINE HILL RD., COFFSTOWN, NH 03045
Tel. 603-497-8441
lauerarchitects@comcast.net

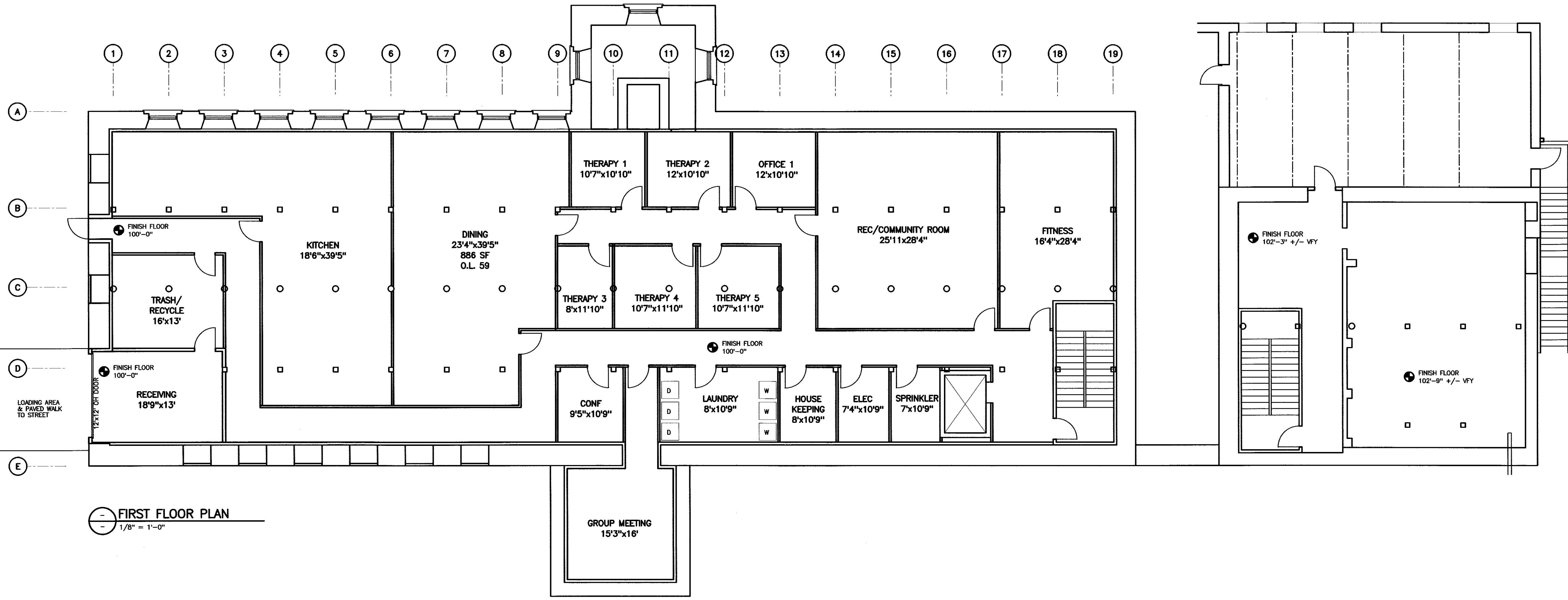
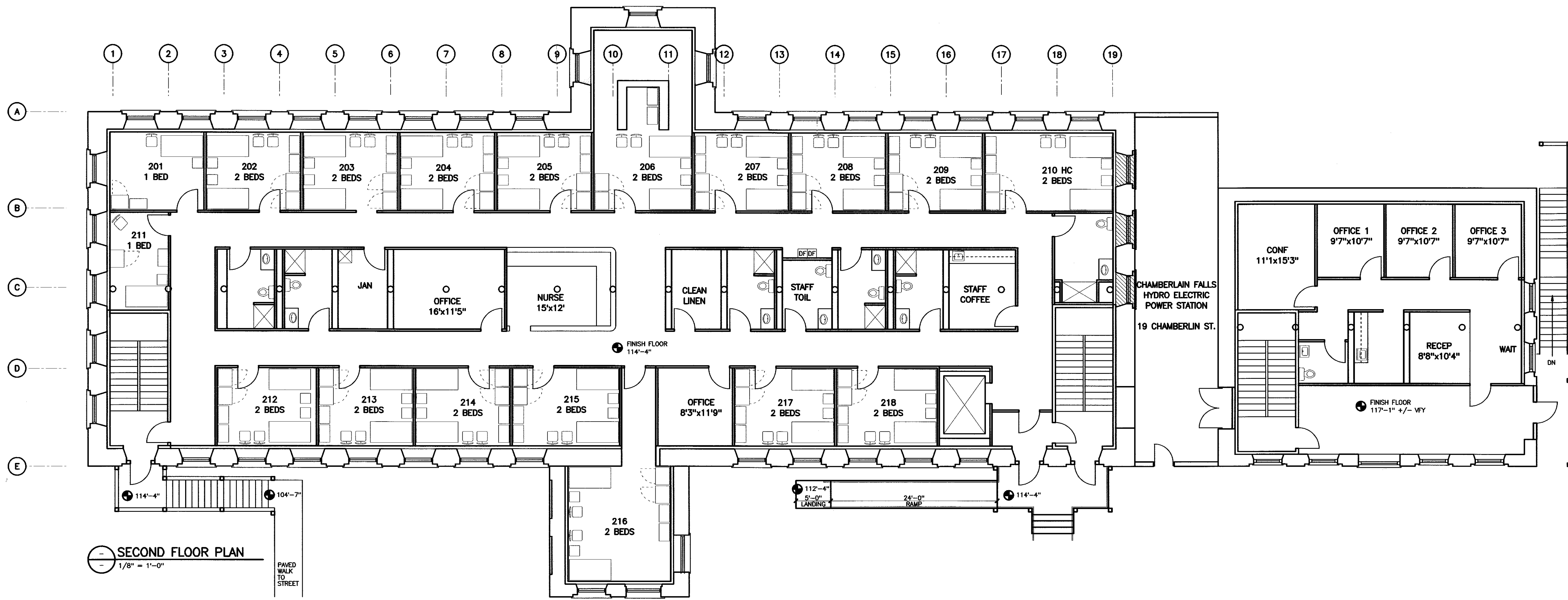
PROPOSED IMPROVEMENTS AT:
17 & 21 CHAMBERLIN STREET
GREENVILLE, NH 03048

EXISTING EXTERIOR ELEVATIONS
@ 1/8" = 1'-0"
DATE: OCT. 10, 2022
FILE: 2229\GEORGES\EXELEV2

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EX ELEV 2

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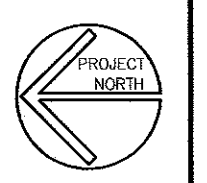


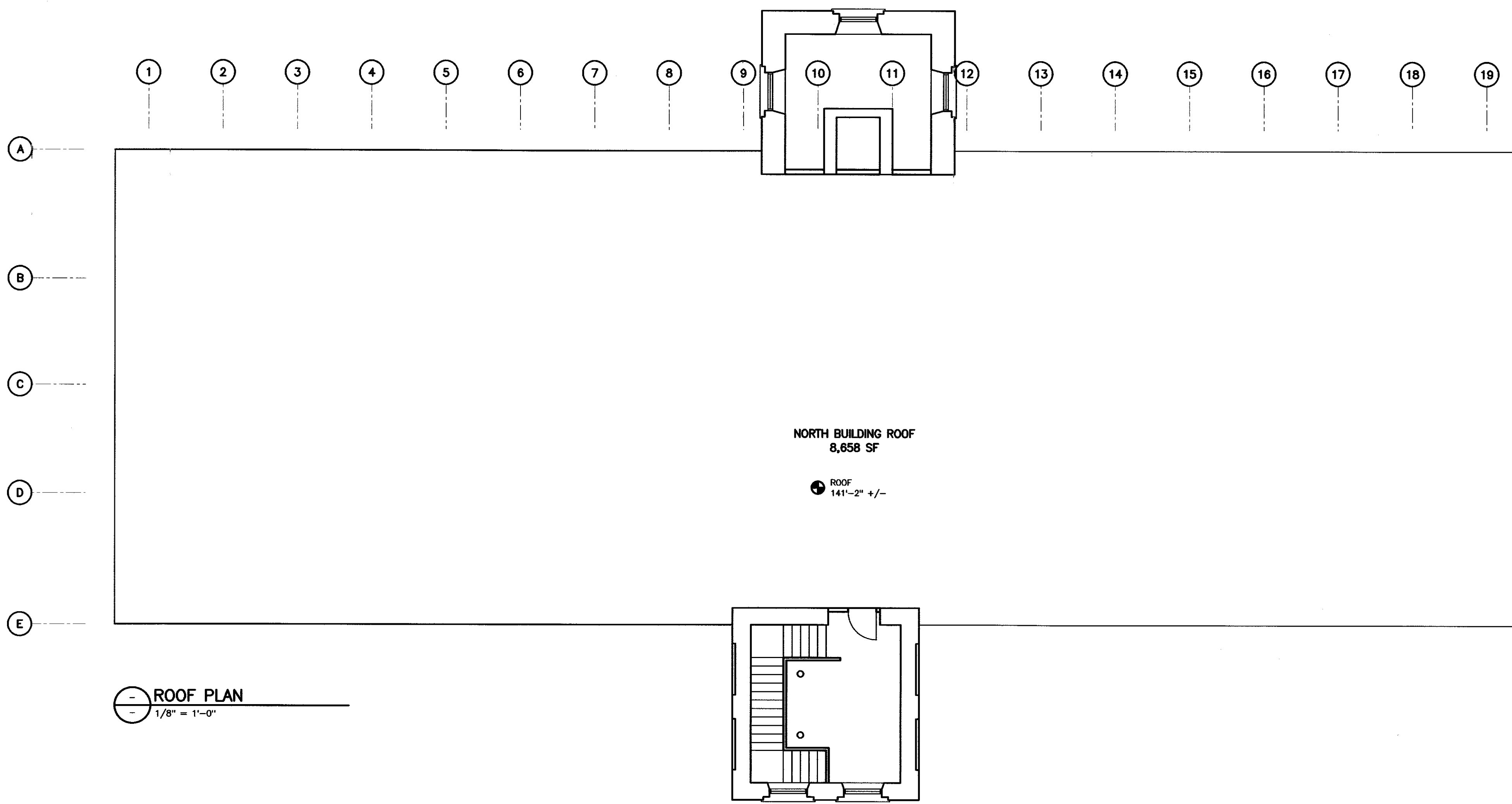
PROPOSED IMPROVEMENTS AT:
17 & 21 CHAMBERLIN STREET
GREENVILLE, NH 03048

FIRST and SECOND FLOOR PLANS @ 1/8" = 1'-0"

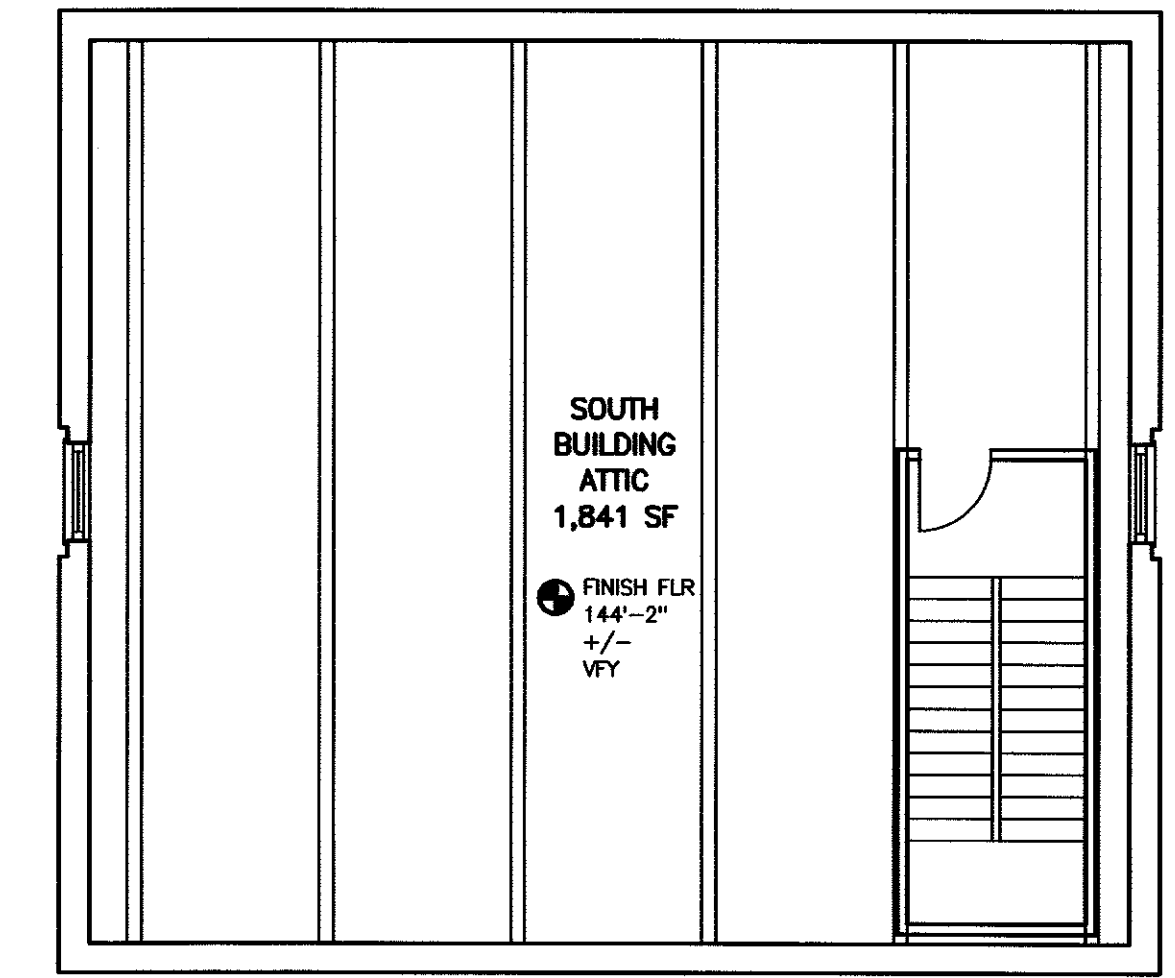
DATE: OCT. 27, 2022
FILE: 2229\GEORGES\ PB1-2

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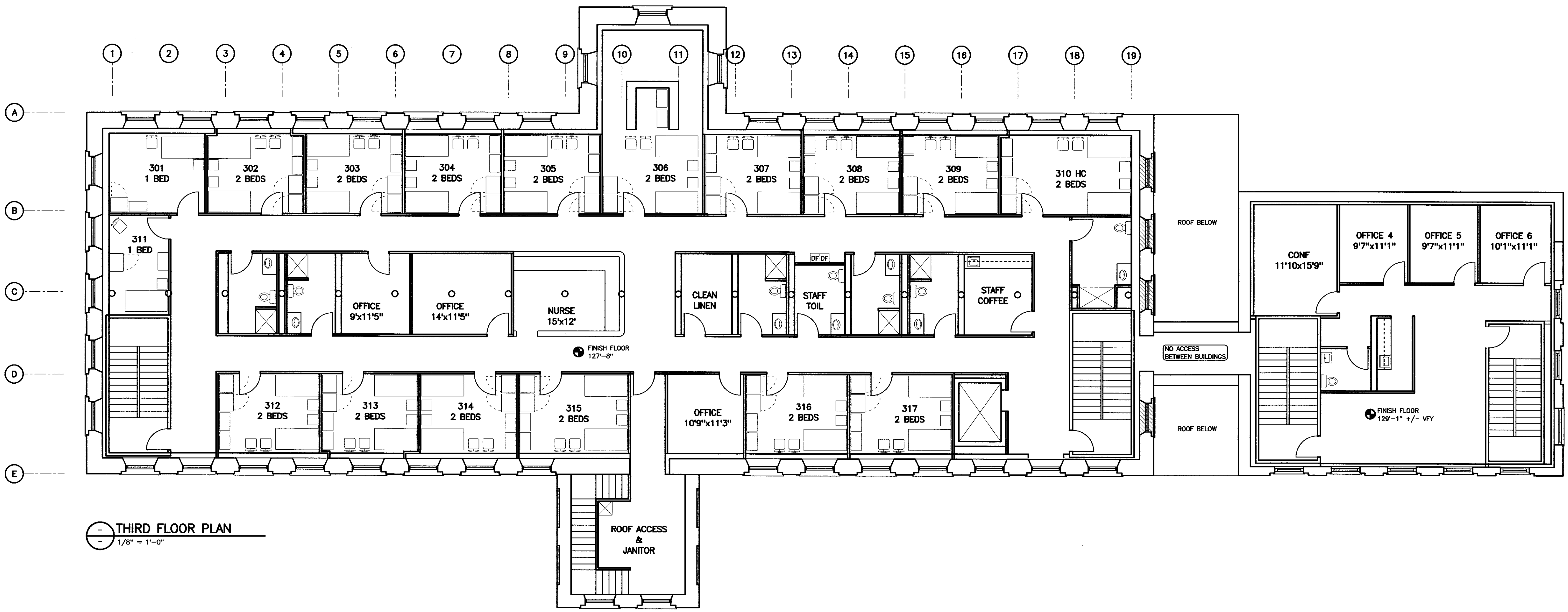




ROOF PLAN
1/8" = 1'-0"

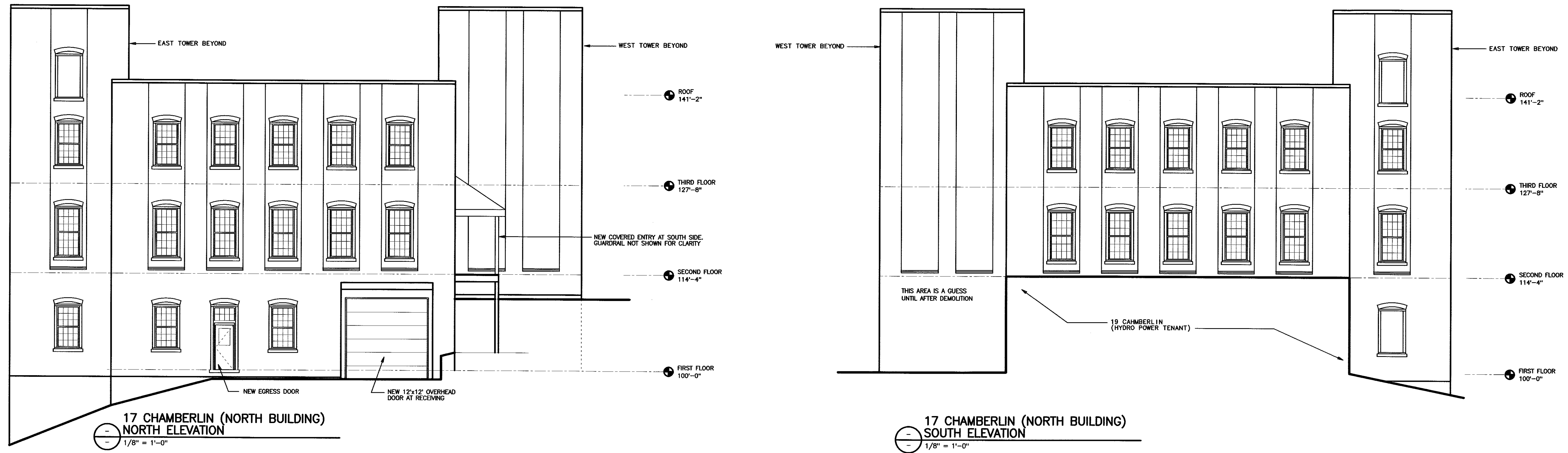


SOUTH BUILDING ATTIC
1,841 SF
FINISH FLR
144'-2"
+/-
V.F.Y.



THIRD FLOOR PLAN
1/8" = 1'-0"





17 & 21 CHAMBERLIN WEST ELEVATION
 1/8" = 1'-0"

FLOOR AND ROOF ELEVATIONS SHOWN ARE APPROXIMATE, AND ARE NOT TIED TO ANY SPECIFIC SURVEY OR USGS DATUM POINTS.

0 1 2 3 4 5 6 7 8 9 10 11 12

A

B

C

D

A

B

C

D

LAUER ARCHITECTS, P.A.
118 FAUCE HILL RD., GOFFSTOWN, NH 03045
Tel. 603-497-8441
lauerarchitects@comcast.net



21 CHAMBERLIN (SOUTH BUILDING)
SOUTH ELEVATION
1/8" = 1'-0"

E

F

G

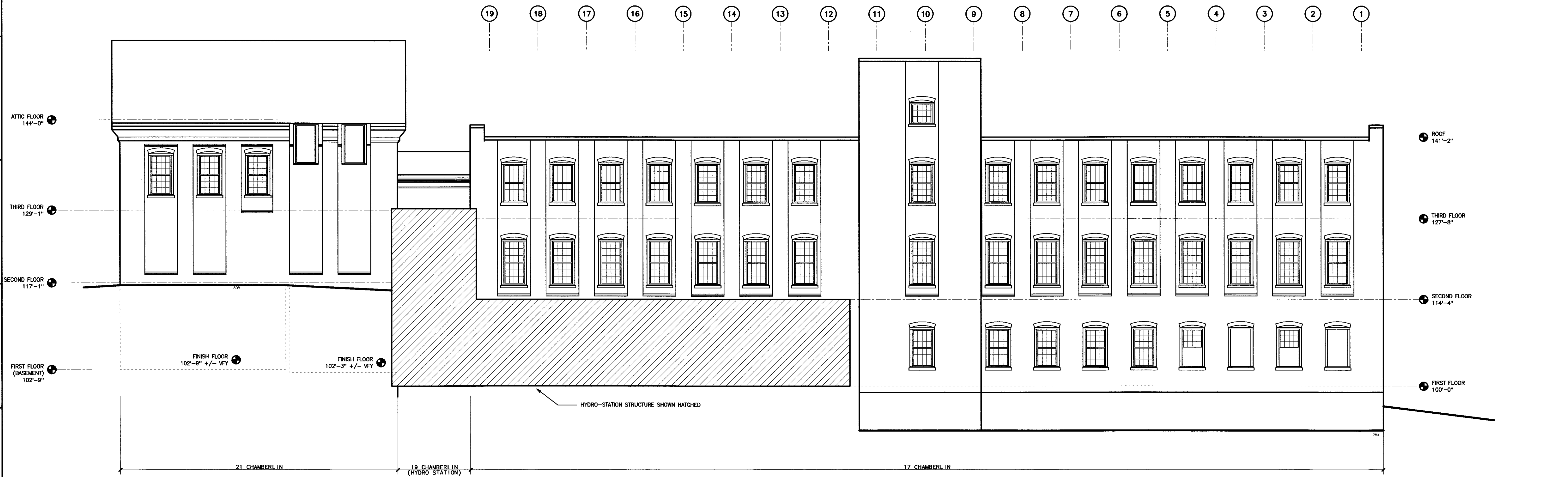
H

E

F

G

H



17 & 21 CHAMBERLIN
EAST ELEVATION
1/8" = 1'-0"

FLOOR AND ROOF ELEVATIONS SHOWN ARE APPROXIMATE, AND ARE NOT TIED TO ANY SPECIFIC SURVEY OR USGS DATUM POINTS.

PROPOSED IMPROVEMENTS AT:

17 & 21 CHAMBERLIN STREET
GREENVILLE, NH 03048

EXTERIOR ELEVATIONS @ 1/8" = 1'-0"

DATE: OCT. 27, 2022
FILE: 2229\GEORGES\ PBELEV2

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ELEV 2

0 1 2 3 4 5 6 7 8 9 10 11 12