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

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,

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) 393-2	749	
Mailing Address: 100 Carl Drive, Unit 1	1a, Manchester, NH 03103			georges603@y	ahoo.com
Owner: McKenan Properties, LLC		Phone:_			
Mailing Address: 100 Carl Drive, Unit 8,					
Agent: Eckman Engineering, LLC		Phone:	(603) 433-1	354	
Mailing Address: 1950 Lafayette Road, 8					
Project Name: Greenville House Process	Recovery Center (PRC)	Tax Map:	5	Lot #:	132 & 132-1
Location: 21 Chamberlin Street	Zoning District:_	Downtown	_Current \	Jse: Comme	rcial / Industrial
Proposed Use: Substance Use Disord					
application to the Town of Greenville held responsible for all conditions pro Board. I also understand that the No I authorize the Planning Board Memi Owner(s) Signature:	ovided in the Notice of tice of Decision and as bers and their staff to a	Decision issues sociated conducted my pro	ed by the (fitions run perty for th	Greenville Pl with the land ne purpose o Date:	anning in perpetuity. f this review.
DECLARATION: I hereby certify to the best of my kno	owledge this application	n and informa	tion submi	tted as part	of this
application is correct and accurately	represented				
Signature: Sarid &	erson Preparing Applicat	tion)		Date:	1/10/22
Compliance Hearing					
hereby certify within 30 days of com and submit an "As built" plan to the P	pletion I, or my authori: lanning Board.	zed represent	ative, will a	attend a con	pliance hearing
Owner(s) Signature: Comp 50	Aun M.M.	Date _//- 9	1-2012	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		V ,	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	V		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	V ,		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 Board
Complete Concur

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

^{*}May not apply to every site plan.



NOTIFICATION LIST

Applicant: Georges Realty, LLC	Tax Ma	p: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	Тах Мар	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	Тах Мар	Lot#
	Corey Johnson	343 New Boston Road, Bedford, NH 03110	5	133
8	Name	Address	Тах Мар	Lot#
	Rural Housing for the Elderly	5456 Main Street, Greenville, NH 03048	6	43
9	Name	Address	Тах Мар	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

N	O	tı	tı	ca	tı	on
	v			Cu	•	U

1. Abutters Fee: \$7.00 per abutter pernotification			
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.

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

Form version: February 12,, 2021

SECTION 2: PROJECT ABUTTERS & PROJECT MEMBERS

Tax Map 5 Lots 132 & 132-1 [Owner] Tax Map 3 Lot 1	McKenan Properties, LLC 100 Carl Drive, Unit 8 Manchester, NH 03103 HCRD Bk 9373, Pg 827 MJC Realty Trust c/o Marshall Cain, Trustee 27 Middle Pratt Pond Road	Tax Map 6 Lot 47 Tax Map 6 Lot 51	Sally Perez 17 Ashton Place Greenville, NH 03048 HCRD Bk 6090, Pg 1904 St. George Mutual, LLC 19 Chamberlin Street Greenville, NH 03048
	New Ipswich, NH 03071 HCRD Bk 9560, Pg 2884		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 – PROXIMITIY 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 site plan approval plan set.

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 site plan approval plan set.

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 site plan approval plan set.

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 site plan approval plan set.

3.15 – WETLAND & WATER BODY DELINEATION

The Wetland Delineation was competed 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 - FIRE SAFETY, PREVENTION & CONTROL

Locations of proposed fire hydrants and access lane locations can be found on Sheet EX-1, entitled "Existing Conditions & Wetland Location Plan" as well as Sheet C-3 entitled "Utility Plan" of the approval plan set.

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 site plan approval plan set.

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 this Site Plan Review 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 which will function as a substance use disorder treatment facility. The new treatment facility will encompasses two buildings dubbed the north building and the south building. The north building will consist of 35-living units for patients (31 of which are 2-bedroom units) contained in a single fully-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.

B - Days and Hours of Operation

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

C - Number of employees

The Greenville House PRC will utilize the services of 6 supervisory staff members and 12 support staff members who will visit the site daily and in shifts.

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. A copy of this Traffic Assessment can be found in Exhibit B of this Site Plan Review 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. A copy of this Traffic Assessment can be found in Exhibit B of this Site Plan Review 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 this Site Plan Review Application Package.

G - The Need for Utility Services by Type

The site will also require development of a water system and sprinkler system supply tank to be designed by a professional sprinkler system engineer according to current code and with the concurrence of the Chief of the Greenville Fire Department and parking (on and off site).

H - Any other information which will clarify the proposal to the Board.

None at this time.

EXHIBITS

EXHIBIT A

Tax Map

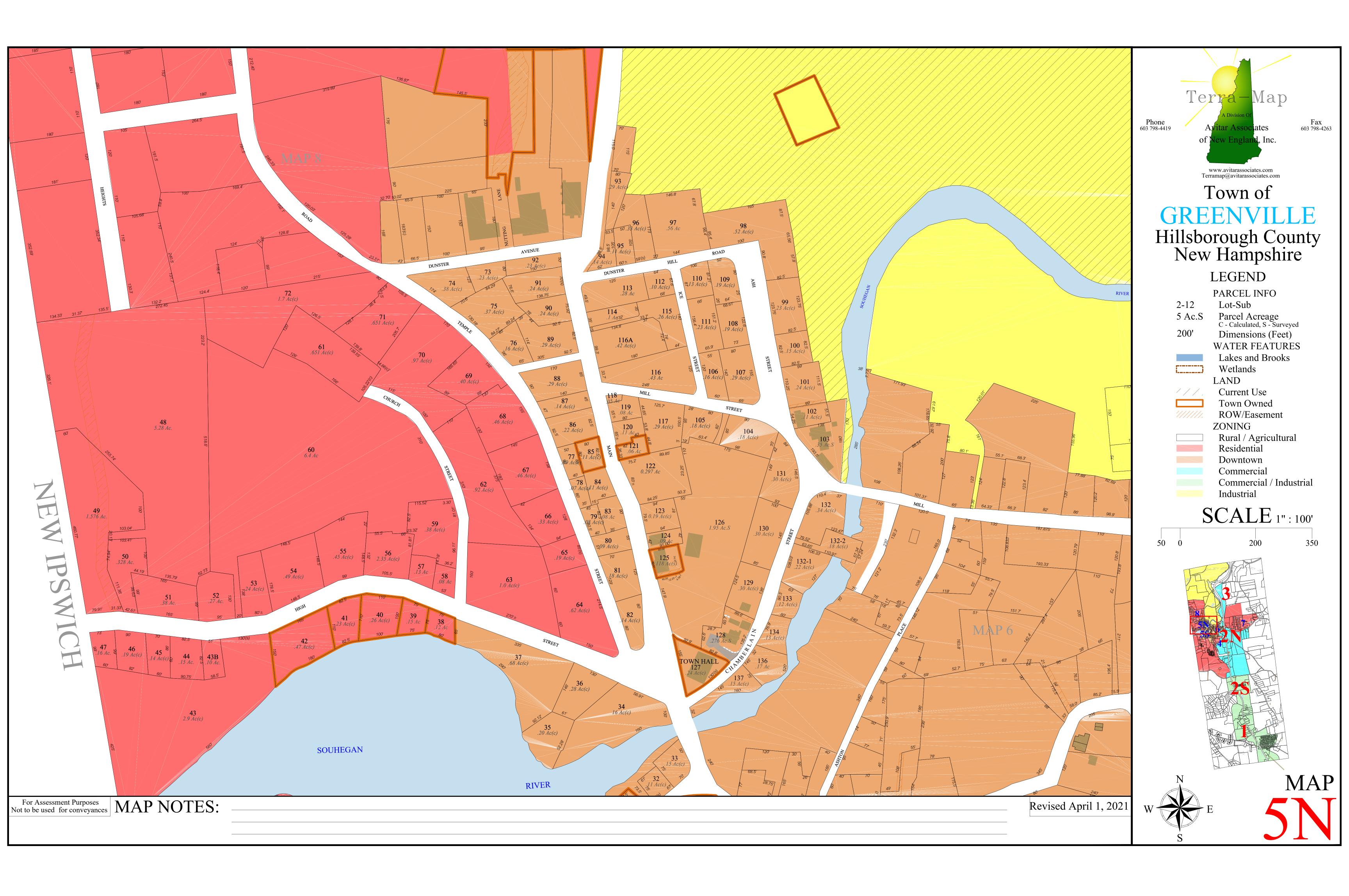


EXHIBIT B

Traffic Assessment Letter

TEPP LLC

TRANSPORTATION ENGINEERING, PLANNING AND POLICY

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: November 9, 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 main staff shift has 8 personnel, with 6 and 4 personnel on the other two shifts.

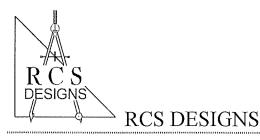
The facility will have 68 client beds, which may not all be occupied simultaneously. Clients are dropped off and picked up at staggered times, and do not park.

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



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



Applicant Name:		
Georges Realty, LLC		
Project Title or Description: Chamberlin Street Mill Improvements P	roject	
Project Application Type: Site Plan Review		
Municipal Department / Board:		
✓ Board of Selectmen ☐ Police Depar	tment	☐ Water & Sewer Department
☐ Highway Department	t □ Emergency N	Management Department
Comments:		
RY/		
Signature:	Title:	Date:



Applicant Name:		
Georges Realty, LLC		
Project Title or Description: Chamberlin Street Mill Improvements Pro	ject	A Company
Project Application Type: Site Plan Review		
Municipal Department / Board:		>
☐ Board of Selectmen ✓ Police Departm	ent □ Fire Department □ Wa	ter & Sewer Department
☐ Highway Department	☐ Emergency Manager	nent Department
Comments:		
Signature:	Title:	Date:



Applicant Name:			
Georges Realty, LLC			
Project Title or Description: Chamberlin Street Mill Impro	vements Project		
Project Application Type: Site Plan Review			
Municipal Department / Board	l:		
☐ Board of Selectmen ☐ Po	lice Department	✓ Fire Department	☐ Water & Sewer Department
☐ Highway D	epartment	☐ Emergency 1	Management Department
Comments:		\(\frac{1}{2}\)	
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RY			
Signature:		Title:	Date:



Applicant Name:	
Georges Realty, LLC	,
Project Title or Description: Chamberlin Street Mill Improvements Pro	ject
Project Application Type: Site Plan Review	
Municipal Department / Board:	
☐ Board of Selectmen ☐ Police Departm	nent ☐ Fire Department ✓ Water & Sewer Department
☐ Highway Department	☐ Emergency Management Department
Comments:	
Q V	
Signature:	Title: Date:



Applicant Name:			
Georges Realty, LLC			
Project Title or Description: Chamberlin Street Mill Improvemen	nts Project		A
Project Application Type: Site Plan Review			
Municipal Department / Board:		1	
\square Board of Selectmen \square Police D	epartment	e Department	Water & Sewer Department
✓ Highway Depart	ment	☐ Emergency Mana	gement Department
Comments:			
	* * * * * * * * * * * * * * * * * * *		
7			
Signature:	Tit	tle:	Date:



Applicant Name:	
Georges Realty, LLC	
Project Title or Description: Chamberlin Street Mill Improvements Pr	oject
Project Application Type: Site Plan Review	
Municipal Department / Board:	
☐ Board of Selectmen ☐ Police Depart	ment ☐ Fire Department ☐ Water & Sewer Department
☐ Highway Department	✓ Emergency Management Department
Comments:	
R	
Signature:	Title: Date:



Applicant Name:		
Georges Realty, LLC		
Project Title or Description:		
Chamberlin Street Mill Improvements	Project	
Project Application Type:		
Site Plan Review		Y
Municipal Department / Boards		
Municipal Department / Board:		
☐ Board of Selectmen ☐ Police Dep	partment	☐ Water & Sewer Department
\Box Highway Department \Box Em	nergency Management Departmen	nt ✓ Conservation Commission
Comments:		
	<u>/</u>	
RY		
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 existing mill structure is currently abandoned and has been for quite some time. The Greenville House PRC will have a building footprint of 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 rage 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 censure 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.

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

⁷NHES 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		Gross Yearly Income before Taxes	
	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 has been abandoned for some time leaving the mill building to decay. This site was formerly a mill complex built around 1865. This mill was a major contributor to the Town of Greenville's revenues when the site was in working order with providing both tax and occupational incomes. The proposed site will restore the lost income to the town and the state by restoration of the land and creating the Greenville House PRC that will aesthetically improve the landscape. The Greenville House PRC will be approximately \$7,500,000 when constructed. The Town of Greenville's property tax rate is \$25.15 per-\$1,000 dollars of value⁹. This will result in approximately **\$188,625** in taxes to the Town of Greenville per-year.

The State of New Hampshire will also collect taxable revenues from a tax on salaries and wages payable, this is a 1.5% tax on the gross wages and salaries that the Greenville House PRC will generate per-year¹⁰. 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 Tax Rate	Tax Income
Supervisory Staff	\$1,842.30	\$95,800.00	1.5%	\$1,437.00
Support Staff	\$1,025.00	\$53,300.00	1.5%	\$799.50

Treatment Facility Feasibility / Occupancy:

The Greenville House PRC is a similar facility to other national Substance Abuse Treatment facilities. A national feasibility study was conducted prior to the Georges Realty's application being approved. 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 also found that the majority of Substance Abuse Treatment facilities will achieve approximately 51% to 90% occupancy per year (see Table 5).

⁹ Town of Greenville Tax Collector

¹⁰ https://www.nhes.nh.gov/services/employers/tax-rate-chart.htm, 2019

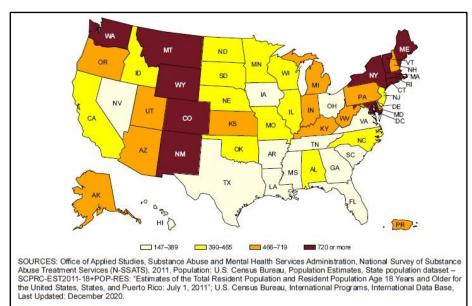
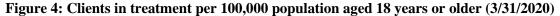
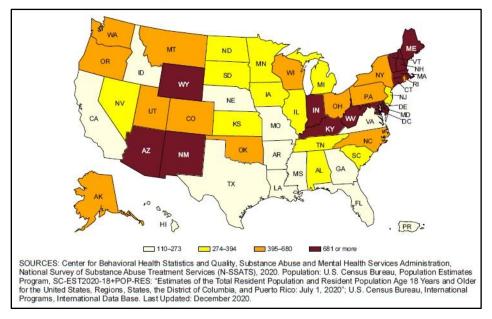


Figure 3: Clients in treatment per 100,000 population aged 18 years or older (3/31/2011)





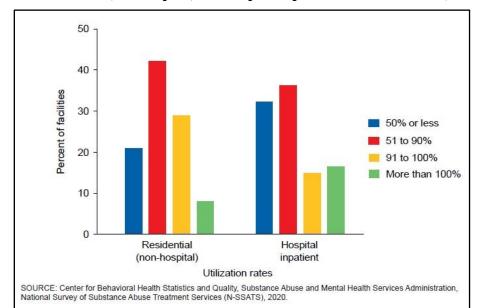


Figure 5: Residential (non-hospital) and hospital inpatient utilization rates (3/31/2020)

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 with that already offered for 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 abandoned mill structure and through doing so will increase property values leading to income from the town property tax rate.

The State of New Hampshire will yield returns from taxable revenues that the Greenville House PRC creates. The estimated taxable amounts from Operating Profits will create a strong stream of revenues for the State of New Hampshire for the indefinite future.

With the treatment occupancy rate research data about Substance Abuse Treatment facilities that has been calculated over the past years, it is reasonable to assume that the Greenville House PRC will achieve strong treatment occupancy rates that continue to climb. The trend of increased demand with little change in supply of treatment centers has created a void in the market that is the opportune time for Georges Realty to construct and manage the Greenville House PRC in the Town of Greenville, New Hampshire.

EXHIBIT F

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 Hamphire 03103

Owner: McKenan Properties, LLC

100 Carl Drive, Unit 8

Manchester, New Hamphire 03103

Architect: Lauer Architects, PA

118 Paige Hill Road

Goffstown, New Hamphire 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

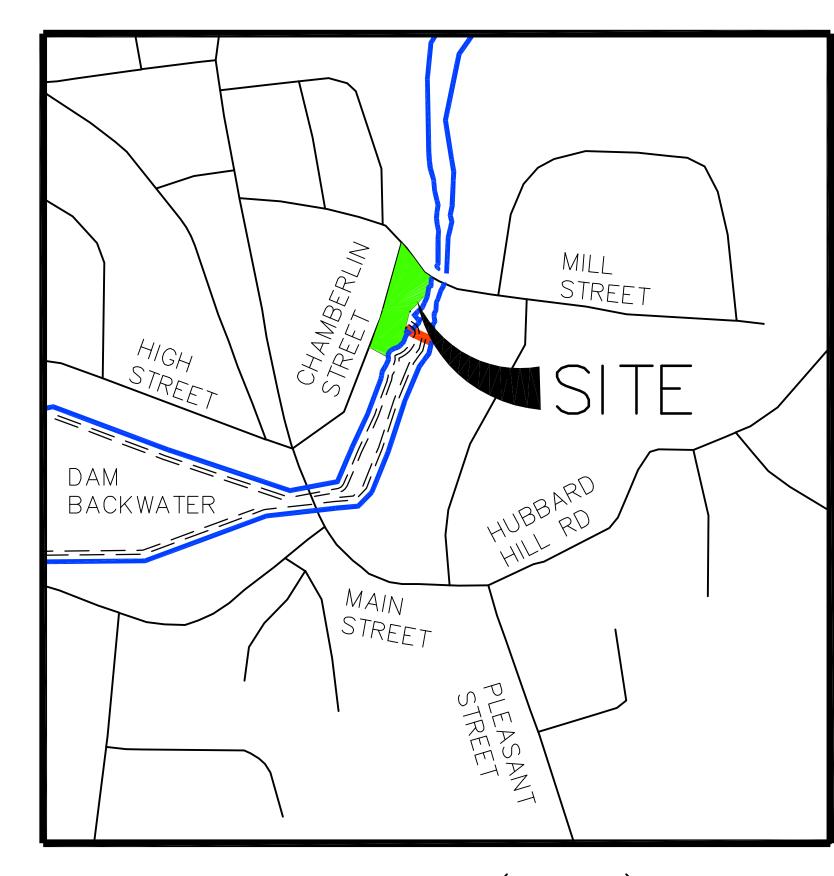
Salem, NH 03079

Lighting Design Consultant:

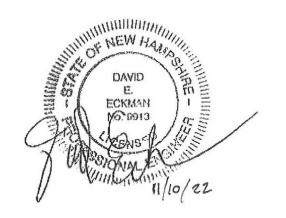
VISIBLE LIGHT, INC.

24 Stickney Terrace, Suite 6

Hampton, New Hamphire 03842



LOCUS (NTS)



INDEX	SHEET NO.(S)
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-6
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

MCKENAN
PROPERTIES, LLC

100 CARL DRIVE
UNIT #8
MANCHESTER, NH. 03103

GEORGES

c/o WIL GEORGES 100 CARL DRIVE, 11a MANCHESTER, NH. 03103

REALTY, LLC

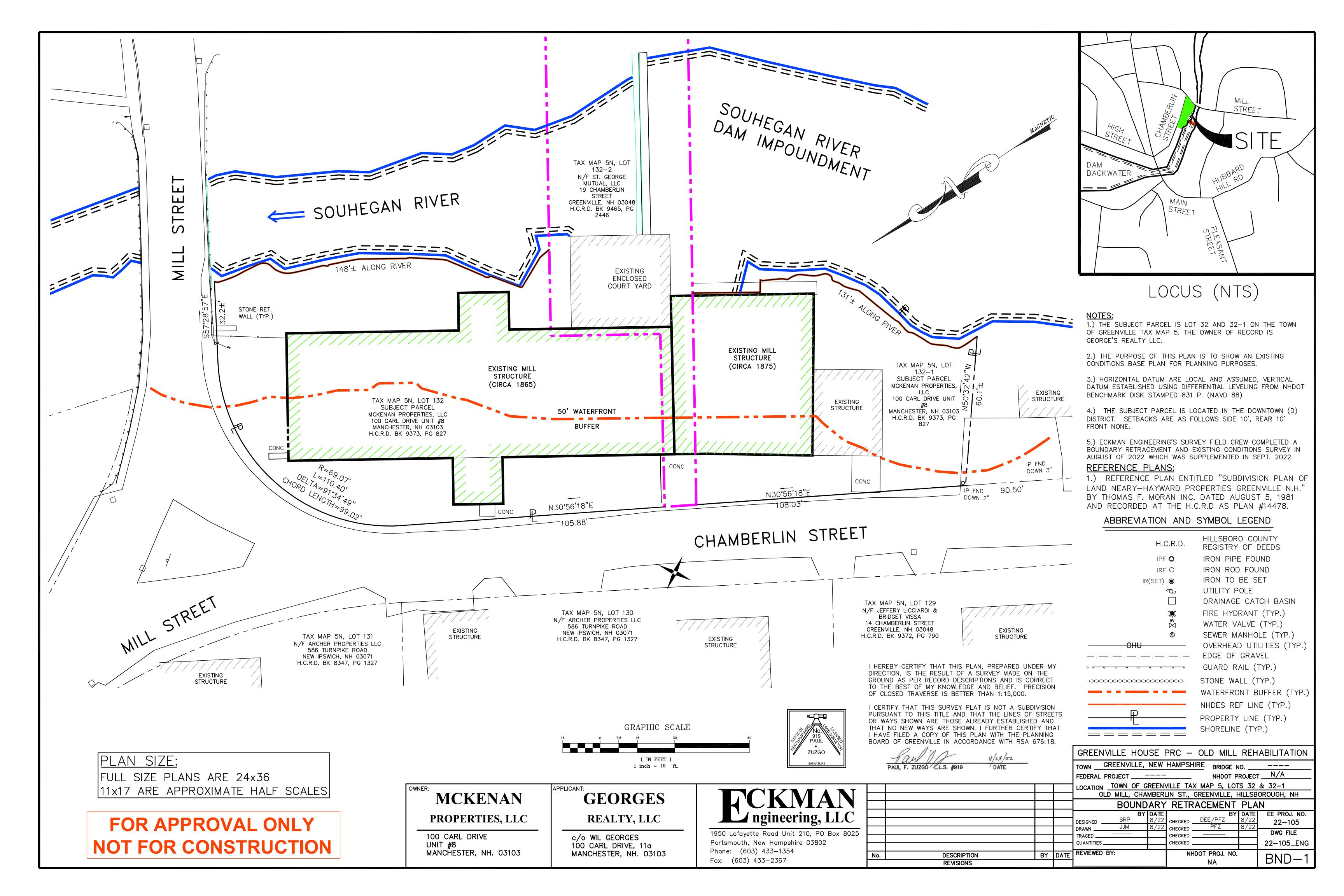
ECKMAN ngineering, LLC
1950 Lafayette Road Unit 210, PO Box 8025
Portsmouth, New Hampshire 03802
Phone: (603) 433-1354

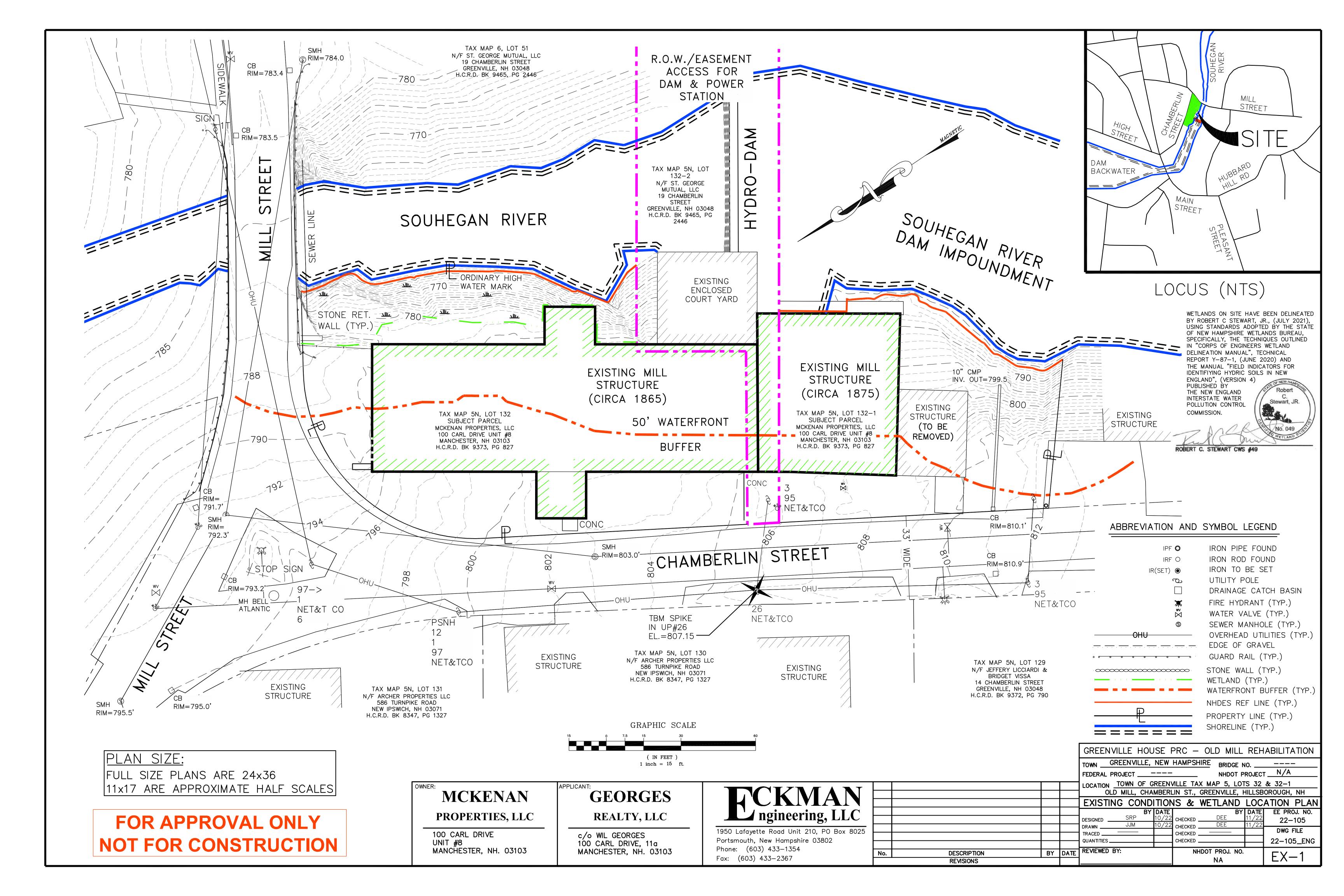
Fax: (603) 433-2367

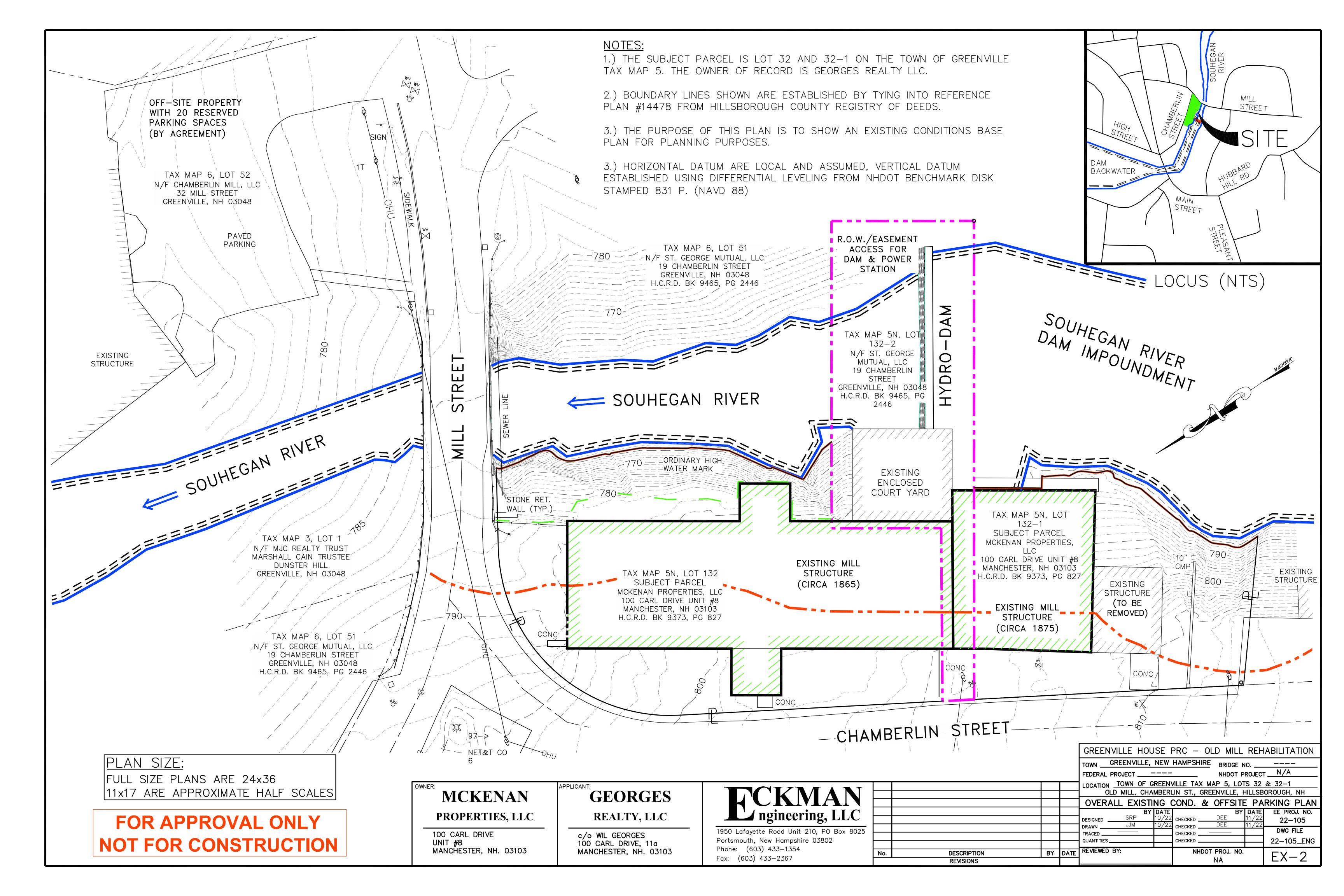
				FEDERAL PROJECT NHDOT PROJECT
				LOCATION TOWN OF GREENVILLE TAX MAP 5, LOTS 32 & 32-1, OLD MILL
ı				OLD MILL, 21 CHAMBERLIN ST., GREENVILLE, HILLSBORO COUNTY, NH 03048
				COVER SHEET
				BY DATE DESIGNED DESIGNED DEAWN SRP 10/22 CHECKED CHECKED DEE DEE 11/22 DEE 22-105 DEE
				TRACED CHECKED DWG FILE
				QUANTITIES CHECKED 22-105_ENG
ı	No.	DESCRIPTION BY	DATE	
		REVISIONS		NA

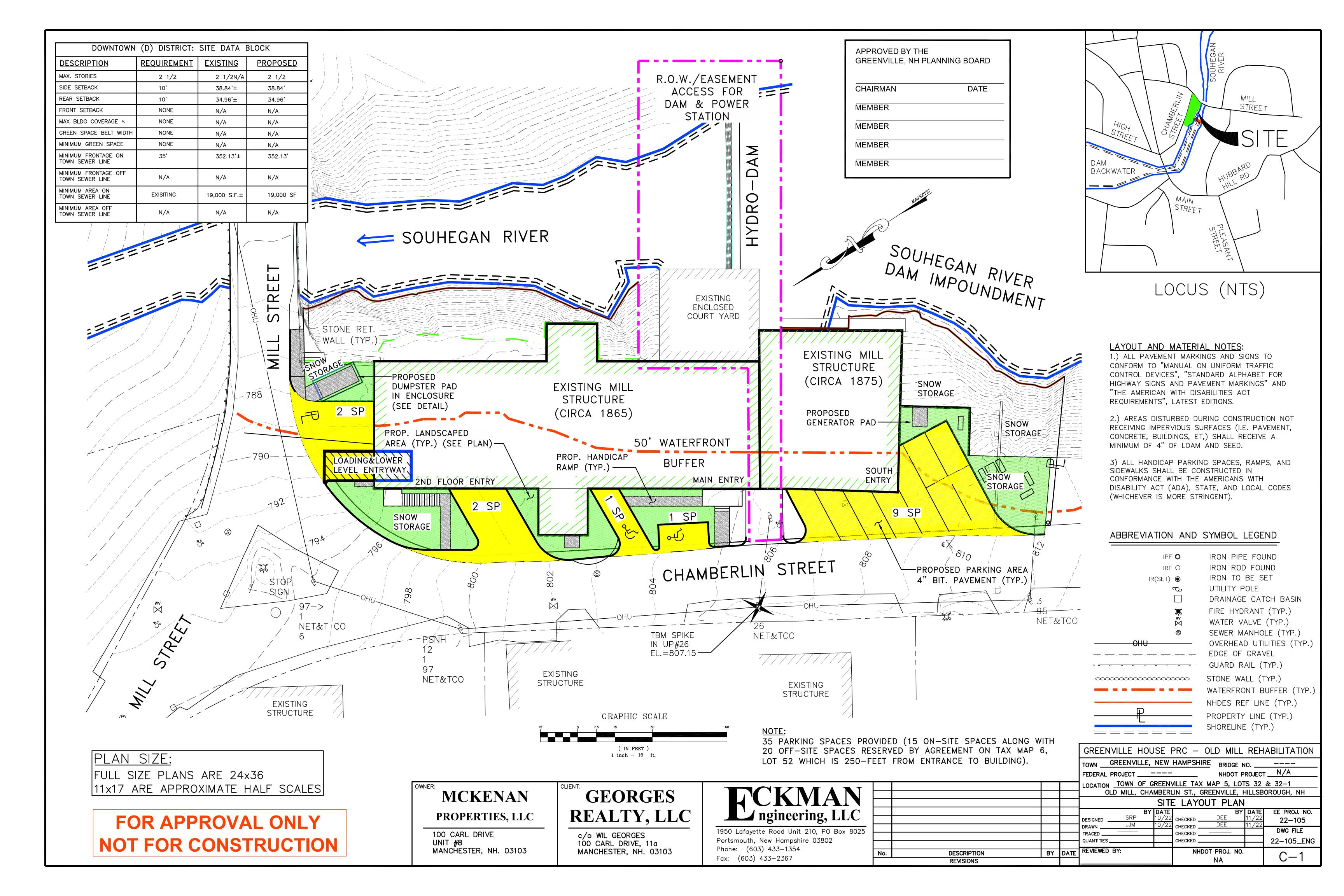
GREENVILLE HOUSE PRC - OLD MILL REHABILITATION

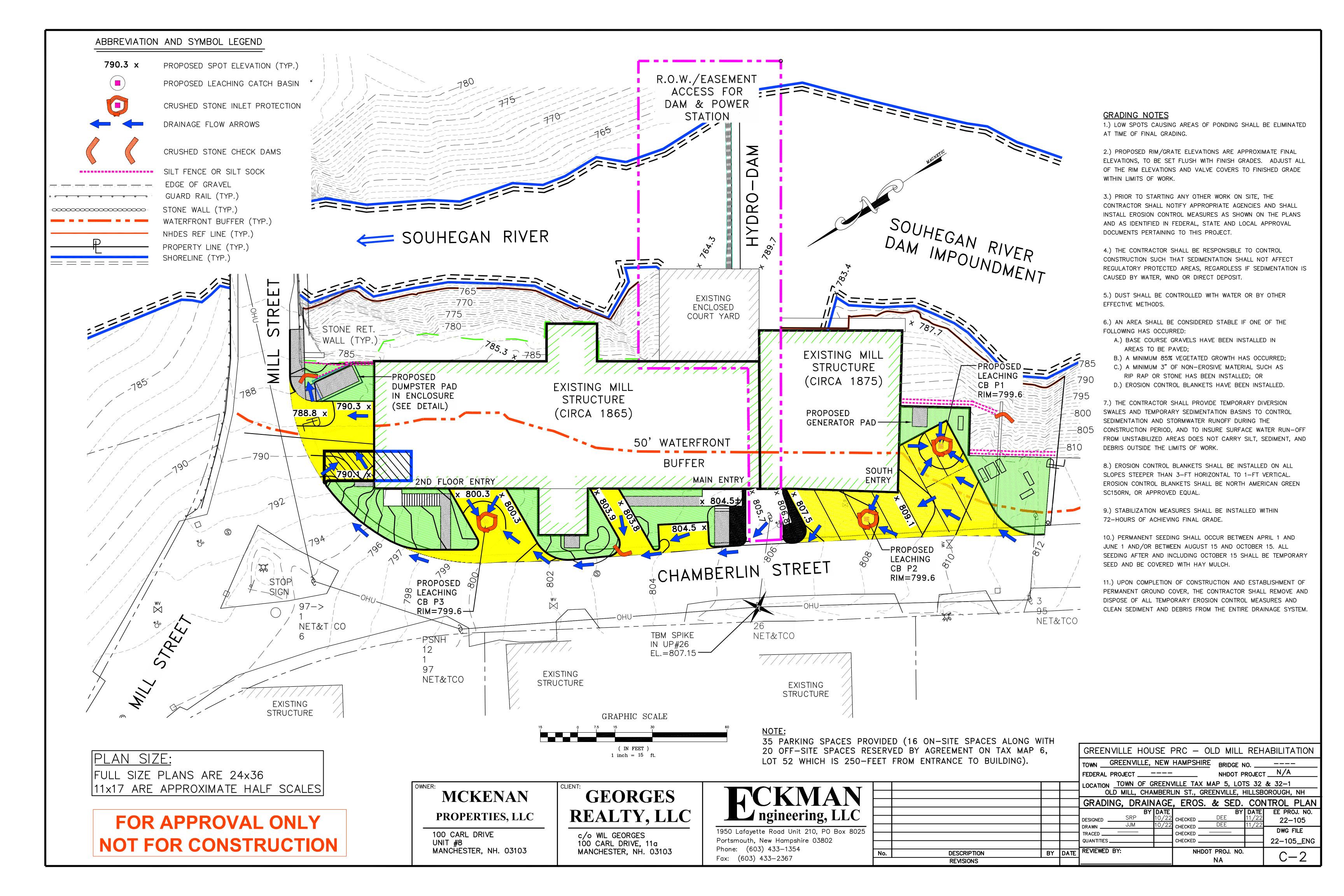
GREENVILLE, NEW HAMPSHIRE

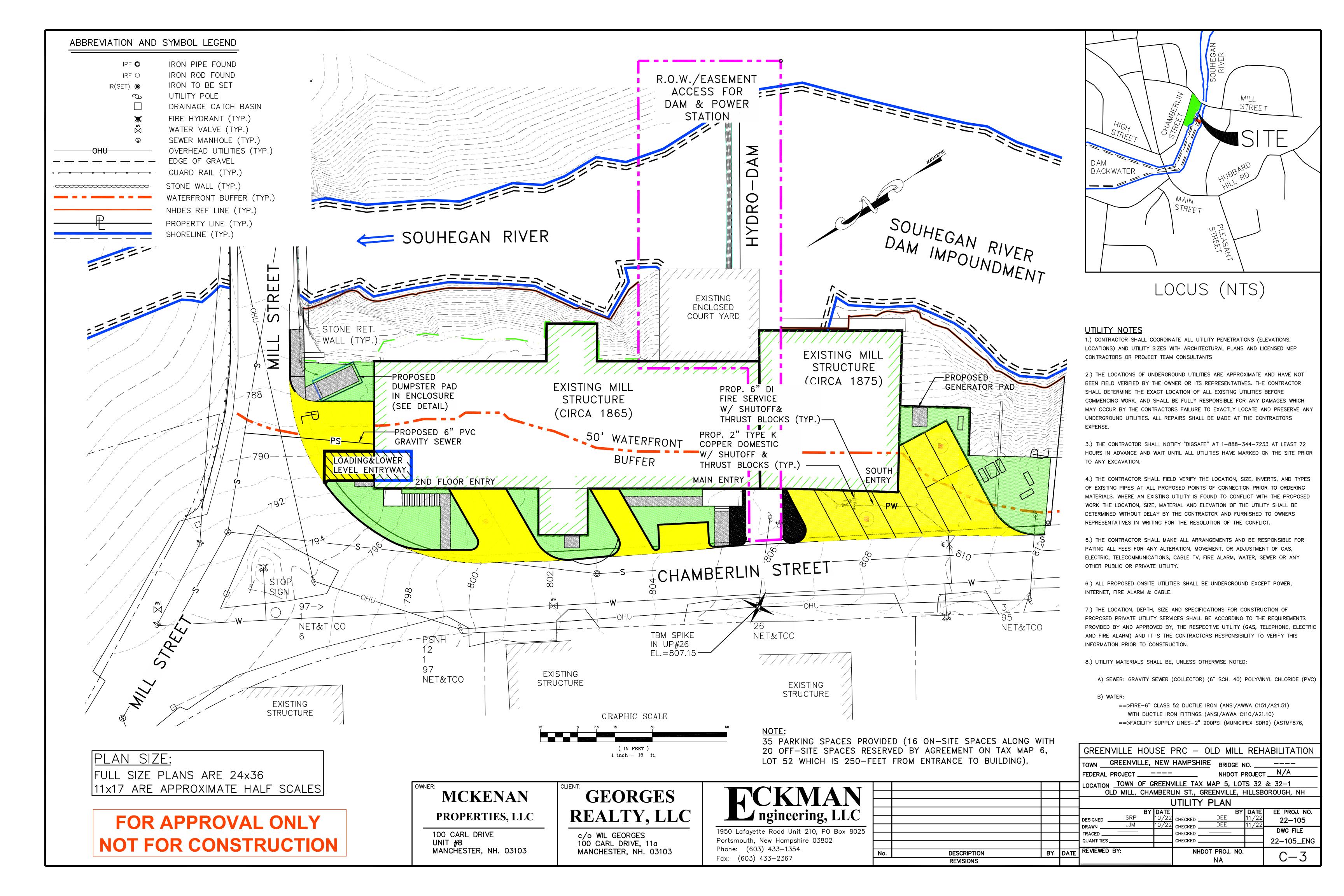


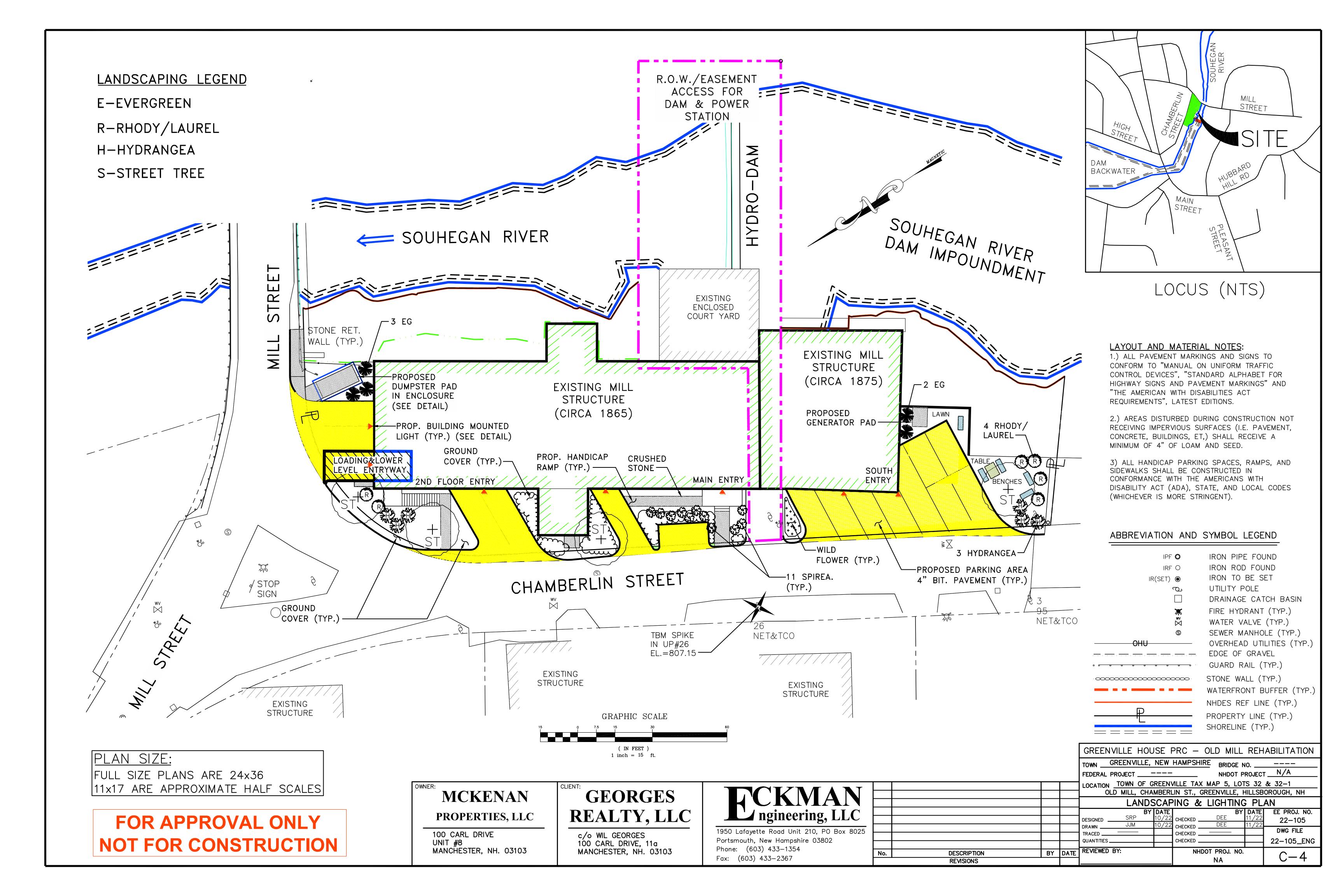












PROJECT NAME AND LOCATION

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

DISTURBED AREA

The total area to be disturbed is approximately $9,000 \text{ SF } (0.2067 \pm \text{ acres}).$

SEQUENCE OF MAJOR ACTIVITIES

that has been trapped by these devices.

- Install temporary erosion control silt socks, inlet protection, and construction entrance.
- Complete building demolition & pavement removal activities.
- Grub brush grass to minimum limits required to complete construction activities. Complete fine grading and Install leaching catchbasins.
- Construct drives, pull-offs and parking area base courses Adjust silt socks & silt fence as required. Install stone check dams in ditches & at inlets.
- Complete installation of walkways, landscaping and lighting. 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

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:

- Temporary seeding Mulching.
- 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 sacks). 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

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

- The smallest practical portion of the site will be denuded at one time. At no time shall the total disturbed area be greater than 5 acres
- 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 Straw Bales

a. Sheet Flow Applications

- Bales shall be placed in a single row, lengthwise on the contour,
- with ends of adjacent bales tightly 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 rathe than along the tops and bottoms of the bales to prevent deterioration of the bindings. 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.
- Each bale shall be securely anchored by at least two (2) stakes or rebars driven through the bale. The first sake 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.
- The gaps between bales shall be chinked (filled by wedging) with straw to prevent water from escaping between the bales.

2. Silt Fence

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:

Physical Property Requirements Filtering Efficiency VTM-51 75% minimum Extra Strength Tensile Strength at VTM-52 20% Maximum Elongation* 50 lb/lin in (min) Standard Strength 30 lb/lin in (min) Flow Rate 0.3 gal/sf/min (min)

Requirements reduced by 50 percent after six (6) months of Synthetic filter fabric shall contain ultraviolet ray inhibitors and

stabilizers to provide a minimum of six (6) months of expected usable

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

Posts shall be spaced a maximum of ten (10) feet apart at the barrier location and driven securely into the ground (minimum of 16 inches).

minimum six (6) inch overlap, and securely sealed.

- 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.

- 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.
- 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 (a) applyina.
- The trench shall be backfilled and the soil compacted over the filter fabric. Silt fences shall be removed when they have served their useful purpose. but not before the upslope areas have been permanently stabilized.

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

- 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.
- 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.
- 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.
- 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

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.
- 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.

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.

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

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.

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

Maintenance

Temporary seedings shall be periodically inspected. At a minimum, 95% of the soil surface should be covered by vegetation. If any evidence of erosion or sedimentation is apparent, repairs shall be made and other temporary measures used in the interim (mulch, filter barriers, check dams, etc.).

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

2. Establishing a Stand

- 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
- 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,
- Seed should be spread uniformly by appropriate method based on site including, broadcasting, drilling, and hydroseeding. Cover seed with 0.25" of soil when broadcasting
- 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.

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

WASTE MATERIALS

All waste materials will be collected and stored in securely lidded receptacles. Al 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.

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.

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

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:

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

- 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
- Manufacturer's recommendations for proper use and disposal will be followed.
- The site superintendent will inspect daily to ensure proper use and disposal of
- Substances will not be mixed with one another unless recommended by the
- Whenever possible all of a product will be used up before disposing of the

Hazardous Products:

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

- 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
- Surplus product that must be disposed of will be discarded according to the manufacturer's recommended methods of disposal.

PRODUCT SPECIFICATION PRACTICES

The following product specific practices will be followed on site:

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 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.

All containers will be tightly sealed and stored when not required for use. Excess paint will not be discharged to the storm sewer system but will be disposed of properly according to manufacturer's instructions or state and local regulations. Concrete Trucks:

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

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

The site superintendent responsible for day—to—day site operations will be the

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.

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 occured: n) Base course gravels have been installed in areas to be paved, A minimum of 85% vegetated growth has been established,

Permanent stone lining has been properly installed, Erosion control blankets have been properly installed

1. Any top soil, fill material (free from organic material), or debris stock—piled on—site shall have a temporary silt fence placed around it. this sediment barrier shall be constructed in accordance with details provided or as specified within the construction documents.

. 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

OR ANY SUPPORT POLE DISTURBED AS SPECIFIED BY AREA TO BE MANUFACTURER MIN. STABILIZED HIEGHT (UPHILL) -AREA TO REMAIN NATURAL (DOWNHILL) GRADE COVER - SEDIMENT CONTROL FABRIC FRONT VIEW **NOTES:** 1. THE GEOTEXTILE FABRIC SHALL MEET THE DESIGN CRITERIA FOR BEST MANAGEMENT PROACTICE 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.

WHEN JOINTS ARE NECESSARY, FILTER CLOTH SHALL BE SPLICED TOGETHER ONLY AT A SUPPORT POST, WITH A MINIMUM 6-INCH OVERLAP. AND SECURELY SEALED. SEE MANUFACTURER'S RECOMMENDATIONS.

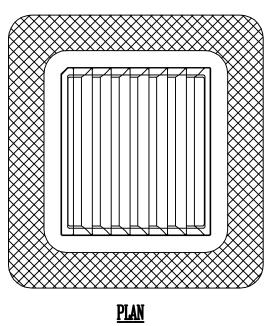
4. POSTS SHALL BE SPACED A MAXIMUM OF 10 FEET APART AT THE BARRIER LOCATION AND DRIVEN SECURELY INTO THE GROUND (MINIMUM OF 16 INCHES). WHEN EXTRA STRENGTH FABRIC IS USED WITHOUT THE WIRE SUPPORT FENCE, POST SPACING SHALL BE AS

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

8 INCHES INTO THE TRENCH, FILTER FABRIC SHALL NOT BE STAPLED INTO EXISTING TREES. 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

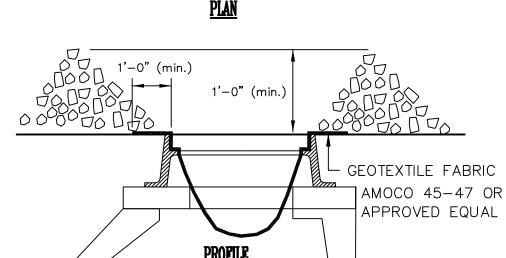
9. FILTER BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL, AND AT LEAST DAILY DURING PROLONGED RAINFALL, ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY. 10. SHOULD THE FABRIC DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER

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.



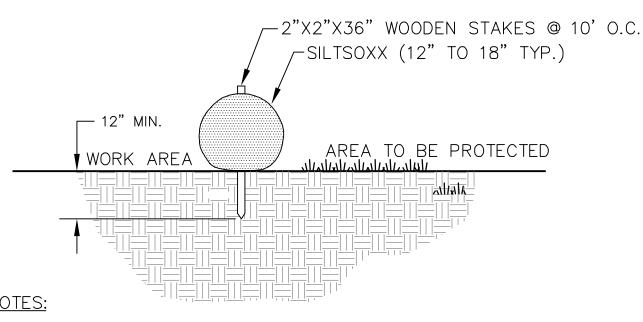
MANUFACTURER RECOMMENDS.

BEEN PERMANENTLY STABILIZED.



STONE CHECK DAM AND SILT SACK

AROUND CATCH BASIN



-AREA OF

EMBANKMENT

CONSTRUCTION

1. SILTSOXX TO BE FILTREXX SILTSOXX OR APPROVED EQUAL

2. ADJACENT TO WETLANDS OR WATER BODIES A DOUBLE ROW OF PERIMETER BARRIER SILT SOCK OR APPROVED EQUAL IS REQURIED.

> SILT SOCK DETAIL NOT TO SCALE

NOT TO SCALE |PLAN SIZE: FULL SIZE PLANS ARE 24x36

11x17 ARE APPROXIMATE HALF SCALES

REVISIONS

GREENVILLE HOUSE PRC - OLD MILL REHABILITATION GREENVILLE, NEW HAMPSHIRE BRIDGE NO. NHDOT PROJECT N/A FEDERAL PROJECT _____

LOCATION TOWN OF GREENVILLE TAX MAP 5, LOTS 32 & 32-1 OLD MILL, CHAMBERLIN ST., GREENVILLE, HILLSBOROUGH, NH DETAILS (EROSION & SEDIMENT CONTROL NOTES) EE PROJ. NO. HECKED .

DESIGNED 22-105 CHECKED DEE JJM DRAWN ___ DWG FILE CHECKED _ TRACED __ HECKED . QUANTITIES. 22-105_ENG REVIEWED BY: NHDOT PROJ. NO. D-1

adjustments to the system shall be made immediately as required to insure proper function of the measures.

c/o WIL GEORGES 100 CARL DRIVE, 11a MANCHESTER, NH. 03103

ngineering, 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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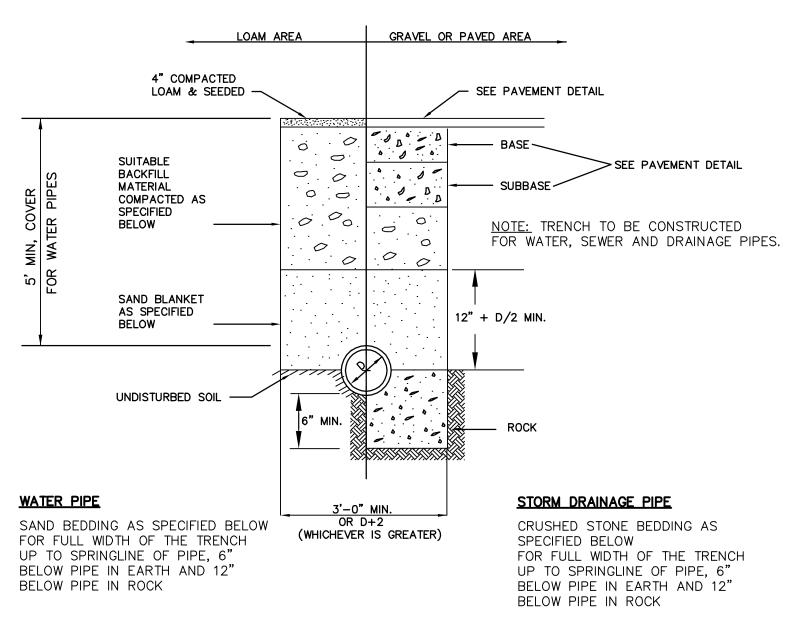
PROPERTIES, LLC

MCKENAN

100 CARL DRIVE MANCHESTER, NH. 03103

GEORGES REALTY, LLC

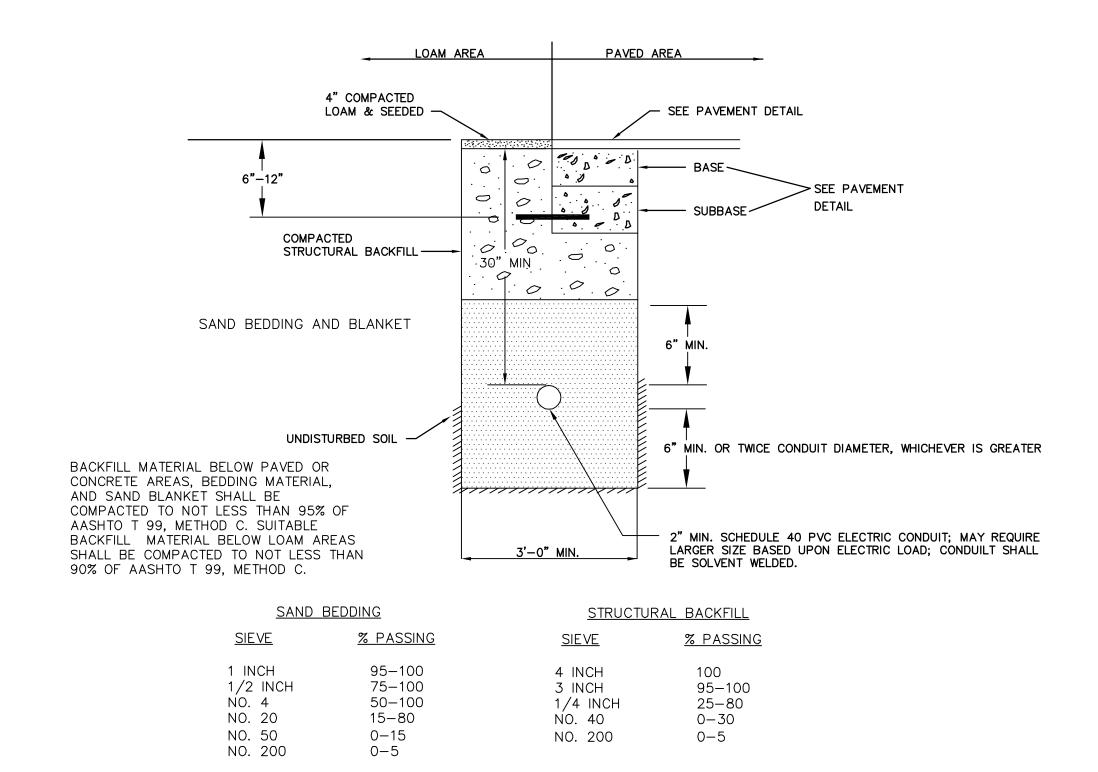
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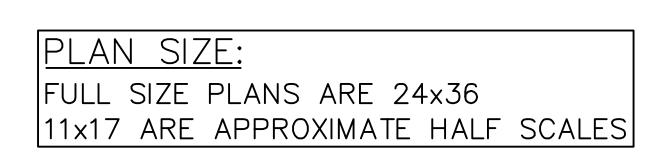
BACKFILL MATERIAL BELOW PAVED OR CONCRETE AREAS, BEDDING MATERIAL, AND SAND BLANKET SHALL BE COMPACTED TO NOT LESS THAN 95% OF AASHTO T 99. METHOD C. SUITABLE BACKFILL MATERIAL BELOW LOAM AREAS SHALL BE COMPACTED TO NOT LESS THAN 90% OF AASHTO T 99, METHOD C.

SAND BLANKET & BEDDING CRUSHED STONE BEDDING % FINER BY WEIGHT SIEVE SIZE % FINER BY WEIGHT 1/2" 90 - 100 100 3/4" 200 0 - 15 90 - 100 3/8" 0 - 75 0 - 25 0 – 5

UTILITY TRENCH NOT TO SCALE



ELECTRIC, CABLE, INTER-NET, PHONE & FIRE CONDUITS NOT TO SCALE



MCKENAN PROPERTIES, LLC

100 CARL DRIVE MANCHESTER, NH. 03103

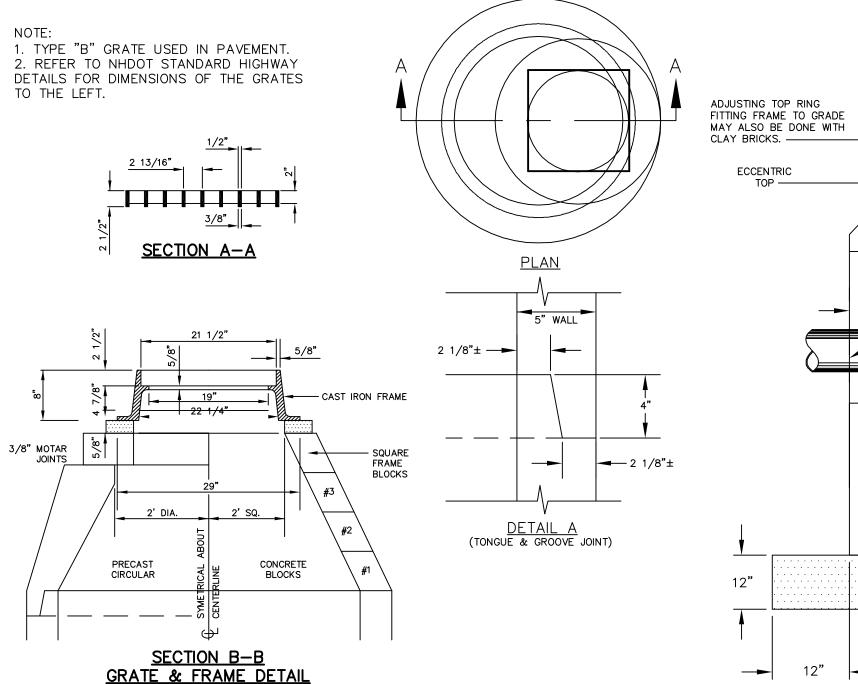
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c/o WIL GEORGES 100 CARL DRIVE, 11a MANCHESTER, NH. 03103

REALTY, LLC

I ngineering, LLC

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



CATCH BASIN FRAME & GRATE (NOT TO SCALE)

മ⊸—

PLAN

TYPE "B" FRAME & GRATE

4. USE 3-FLANGE FRAME IF INSTALLED

5. FRAME AND GRATE SHALL BE PER NHDOT

1. ALL DIMENSIONS ARE NOMINAL.

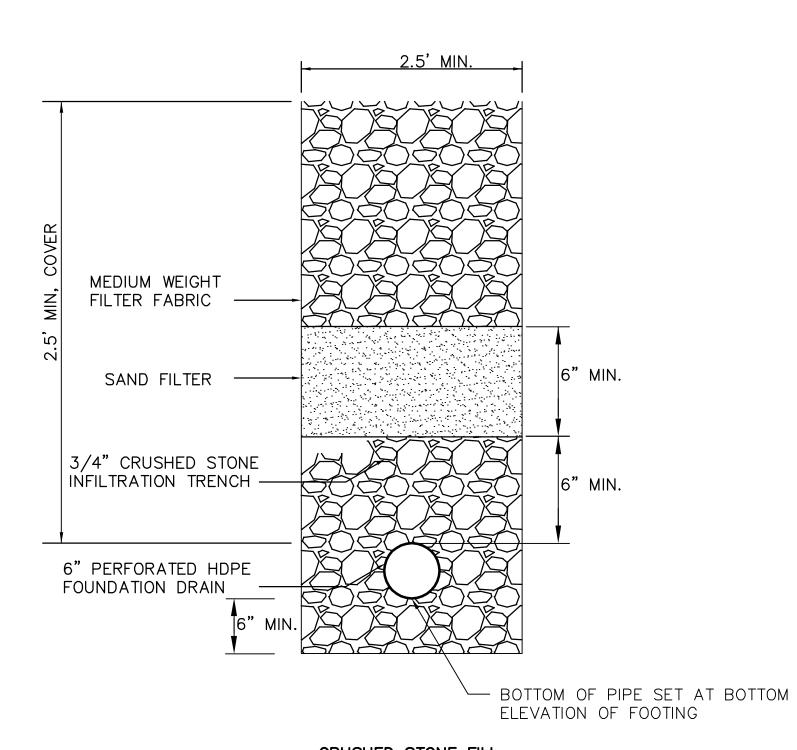
3. FREE OPEN AREA = 0.22 m

SPECIFICATIONS.

ADJACENT TO GRANITE CURB.

GENERAL NOTES

2. FRAME AVAILABLE IN 100 OR 200 mm HEIGHTS.



CRUSHED STONE FILL

0 - 5

% FINER BY WEIG
100
90 - 100
0 - 75
0 - 25

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STORMWATER INFILTRATION TRENCH NOT TO SCALE

10

7				TOWN GREENVILLE, NEW HAMPSHIRE BRIDGE NO
<u>.</u>				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)
				BY DATE BY DATE EE PROJ. NO.
				DESIGNED SRP 10/22 CHECKED DEE 11/22 22-105 DRAWN JJM 10/22 CHECKED DEE 11/22 22-105
				DRAWN JJM TO/22 CHECKED DEE TT/22 DWG FILE CHECKED DWG FILE
				QUANTITIES CHECKED 22-105_ENG
0.	DESCRIPTION	BY	DATE	REVIEWED BY: NHDOT PROJ. NO.
•	REVISIONS	•		NA U-Z

RISER - HOLE CAST TO PLAN SEE DETAIL A 3' SUMP 12" CRUSHED STONE BEDDING SECTION A-A

- TOP OF GRATE

CATCH BASIN (NOT TO SCALE)

1. ALL SECTIONS SHALL BE CONCRETE CLASS AA(4000

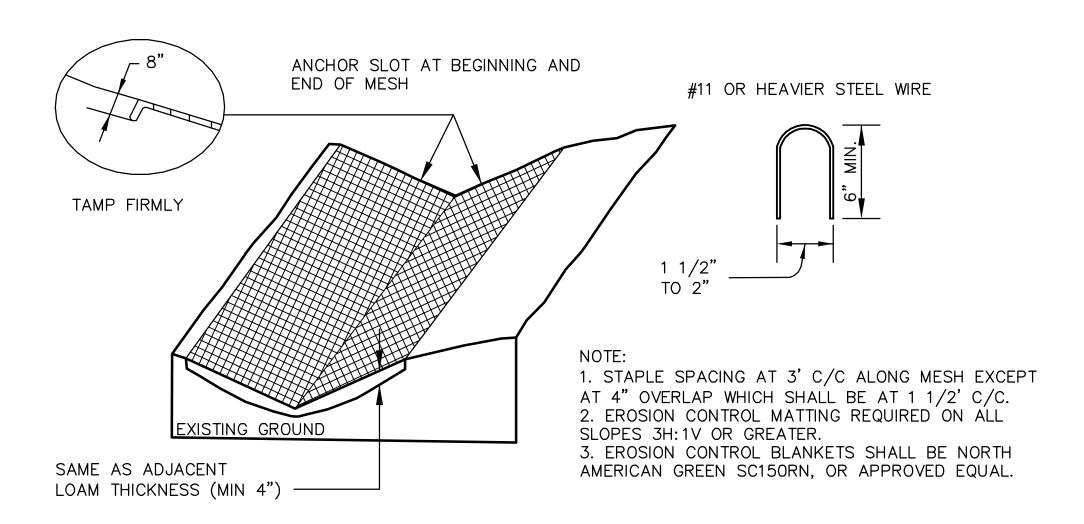
2. CIRCUMFERENTIAL REINFORCEMENT SHALL BE 0.12 SQ.IN. PER LINEAR FT. IN ALL SECTIONS AND SHALL BE PLACED IN THE CENTER THIRD OF THE WALL. 3. THE TONGUE OR GROOVE OF THE JOINT SHALL CONTAIN ONE LINE OF CIRCUMFERENTTIAL

REINFORCEMENT EQUAL TO 0.12 SQ. IN. PER LINEAR 4. RISERS OF 1', 2', 3' & 4' CAN BE USED TO REACH

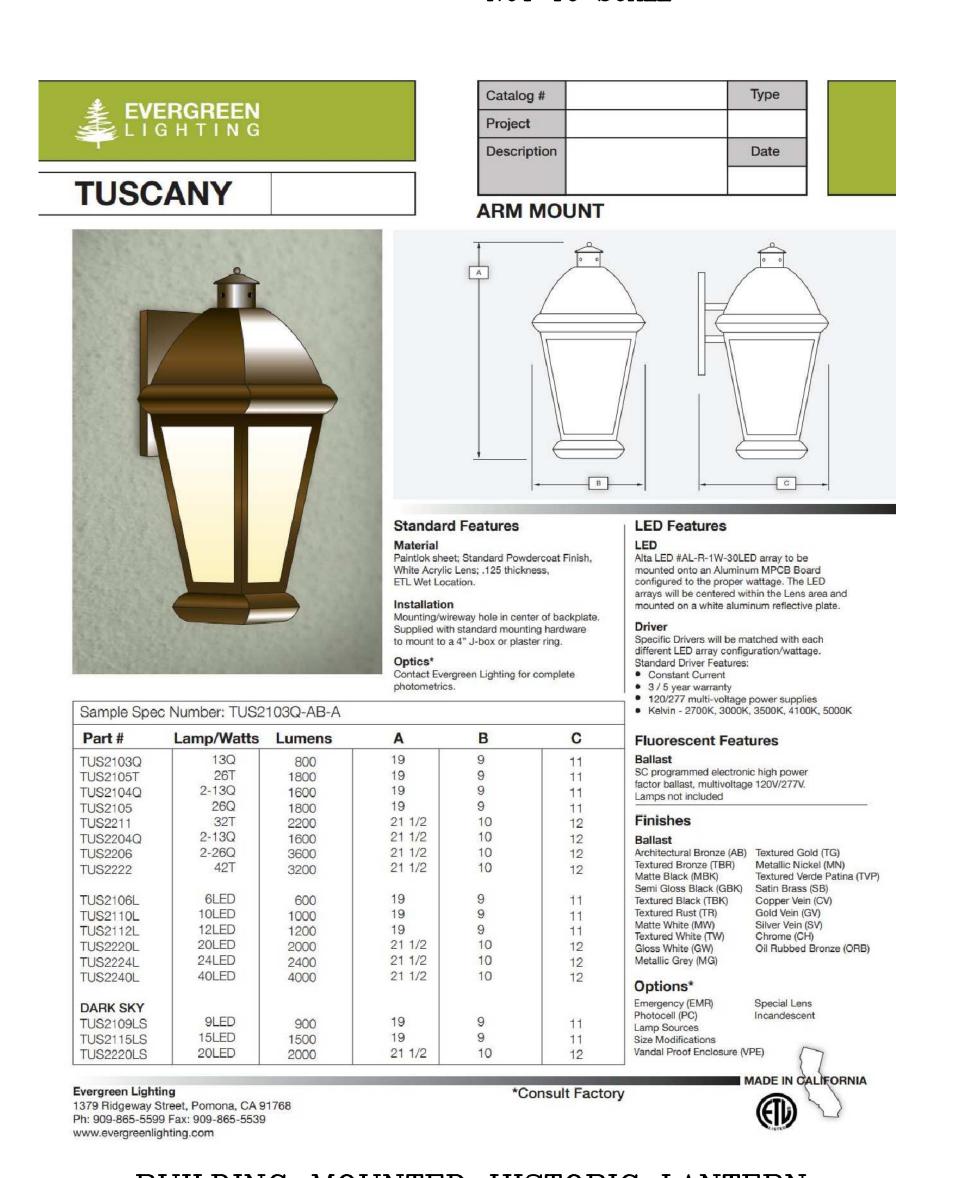
DESIRED DEPTH. 5. THE STRUCTURES SHALL BE DESIGNED FOR H20 LOADING. 5. THE STRUCTURES SHALL BE DESIGNED FOR H20

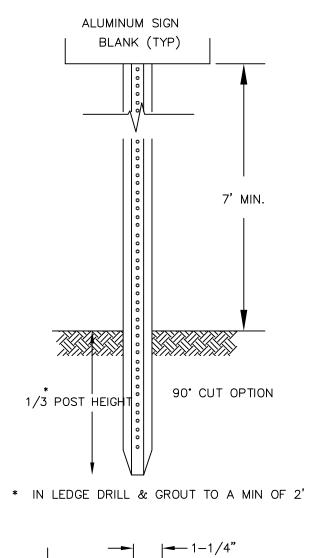
6. CATCH BASIN FRAME & GRATE SHALL BE SET IN A FULL MORTAR BED. ADJUST TO GRADE WITH CLAY BRICK AND MORTAR (2 BRICK COURSES TYP., 5 BRICK COURSES MAXIMUM).
7. JOINT SEALANT BETWEEN SECTIONS SHALL BE

PREFORMED BUTYL RUBBER. 8. PROVIDE "V" KNOCKOUTS FOR PIPES WITH 2' MAXIMUM CLEARANCE TO OUTSIDE OF PIPE. MORTAR ALL PIPE CONNECTIONS.



EROSION CONTROL MATTING NOT TO SCALE





STANDARD POST NOT TO SCALE

Specifications

WM = Wall Mount

1A = Single Pole Mount

2A = Twin Pole Mount

30k = 3000k R3 = Type 3

40k = 4000k R4 = Type 4

50k = 5000k R5 = Type 5

VK-2670/LED-UV/WM/50k/R3/BZ

Example

Wattage/Lamp

35w/LED = 35/LED

55w/LED = 55/LED

70w/LED = 70/LED

110w/LED = 11/LED

Finish

BZ = Bronze

BK = Black

WH = White

CC = Custom Color

SL = Silver

70 Watt LED, 120 Volts, Single Pole Mount, 5000k, Type 3, Bronze

UV

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

Housing: A heavy duty spun aluminum shroud has a

Dome Cap: Cast aluminum dome is secured to housing

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

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

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.

Finish: Polyester powder coating on all metal parts.

Five years warranty provided on modules and driver.

Listing: Luminaire is ETL listed for wet locations.

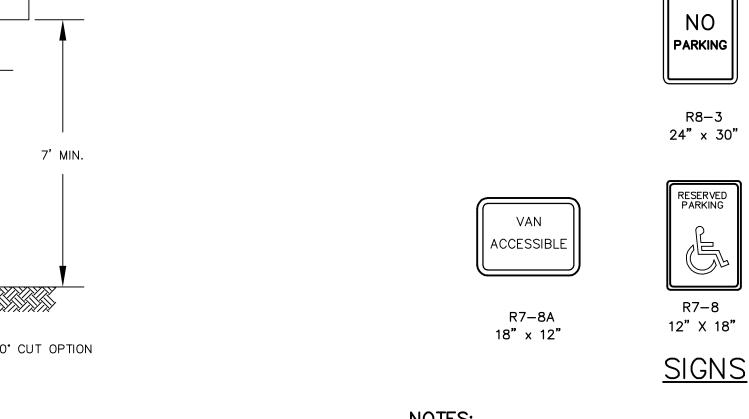
to dome with three internal stainless steel rods.

and arm with stainless steel fasteners.

stainless steel screws.

to pole is optional."PM"

Color to be specified.

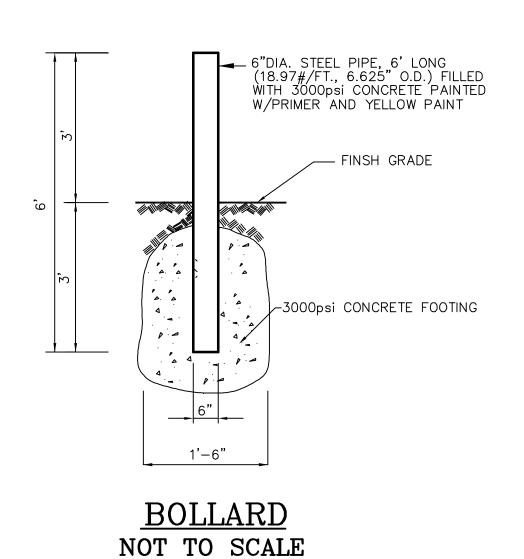


NOTES:

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.) HOLES: 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.

TRAFFIC SIGN DETAILS NOT TO SCALE



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

BUILDING MOUNTED HISTORIC LANTERN

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

BUILDING MOUNTED DOWNWARD THROW

MCKENAN GEORGES PROPERTIES, LLC

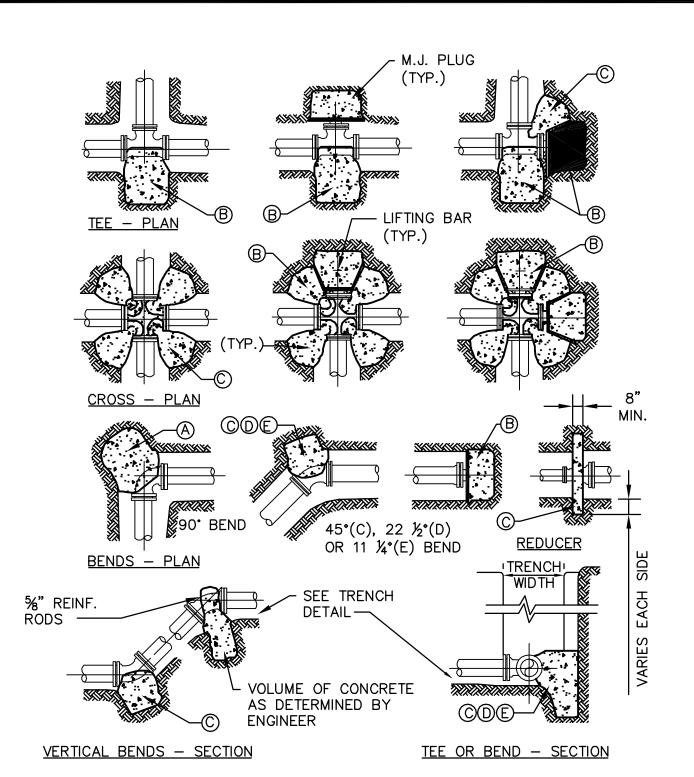
100 CARL DRIVE MANCHESTER, NH. 03103 REALTY, LLC

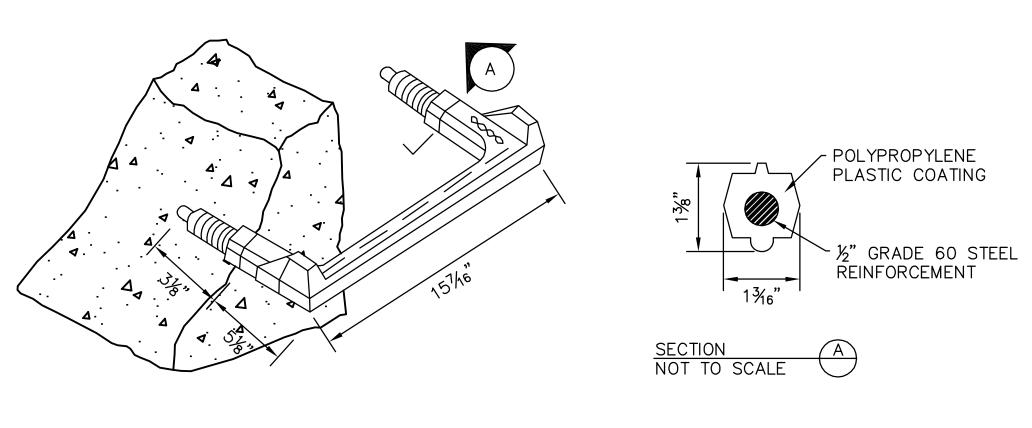
c/o WIL GEORGES 100 CARL DRIVE, 11a MANCHESTER, NH. 03103 ECKMAN ngineering, LLC

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

No.	DESCRIPTION B' REVISIONS	' DATE	- '``
NI -	DECODIDATION	/ DATE	REVIEV
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		TOWN	GREENVILI	E, NEW	HAMPSH	IRE BRIDG	GE NO	
			PROJECT _				OT PROJECT	
			TOWN O					
								OROUGH, NH
			DETAIL	S (SIG	NS, LIC	SHTING	& MA	TTING)
		DESIGNED _	SRP JJM	BY DATE 10/22		DEE DEE	BY DATE 11/22 11/22	22-105
				10/22			11/22	DWG FILE
	 	QUANTITIES			CHECKED _			22-105_ENG
BY	DATE	REVIEWED	BY:		NH	DOT PROJ. NA	NO.	D-3





MANHOLE STEP DETAIL

NOT TO SCALE

MANHOLE FRAME AND COVER ADJUST TO MEET FINISH GRADE 2'-2" MAX. TO FIRST MANHOLE RUNG — - SLOPE GRADE AWAY FROM FINISH GRADE MANHOLE IN NON-PAVED AREAS ADJUST TO GRADE WITH PRECAST GRADE RING OR MANHOLES LESS THAN 6' DEEP BRICK MASONRY (MAX. SHALL HAVE REINF. CONCRETE 12" OF BRICK). PLASTER SLAB COVER IN LIEU OF WITH MORTAR. USE ONE CONE SECTION. BRICK MINIMUM. -PRECAST CONCRETE MANHOLE DIA. TO CONFORM WITH MANHOLE CONE (ECCENTRIC) FRAME AND COVER (2' DIA. MIN.) PRECAST CONCRETE MANHOLE WATERTIGHT JOINT USING AN APPROVED MASTIC-TYPE SEALANT BARREL 1,2,3,4,5 AND 6 FOOT LENGTHS -OR "O" GASKET (EXTERIOR OF ALL JOINTS SHALL BE RECOATED WITH TWO (2) COATS ASPHALT MIN. ASPHALTIC WATERPROFFING AFTER WATERPROOFING APPLIED SETTING). AT THE FACTORY -MANHOLE RUNGS FLEXIBLE RUBBER BOOT (CAST IN PRECAST CONCRETE BASE — PLACE OR FIELD INSTALLED). BASE MAY PROJECT BEYOND THE OUTSIDE DIA. OF THE WALLS 12" MIN. FINE CRUSHED BRICK INVERT - SUITABLE GRAVEL BEDDING -UNDISTURBED MATERIAL

PRECAST CONCRETE MANHOLE

THRUST BLOCK SCHEDULE SQUARE FEET OF CONCRETE THRUST BLOCKING BEARING ON UNDISTURBED MATERIAL PIPE SIZE REACTION TYPE 12" | 14" | 16" | 18" | 20" | 24" | 30" | 36" | 48' | 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 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 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 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 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 OTHER TEST TEST PRESSURE TO BE 200 PSI MIN. AT LOW END OF THE TEST SECTION. **PRESSURES** SQUARE FEET OF CONCRETE THRUST BLOCKING FOR OTHER TEST FOR THE PRESSURES IS DIRECTLY PROPORTIONAL TO THE ABOVE TABLE. FOR ABOVE INSTANCE, AT 200 PSI TEST PRESSURE FOR ABOVE NUMBERS DOUBLE. REACTIONS

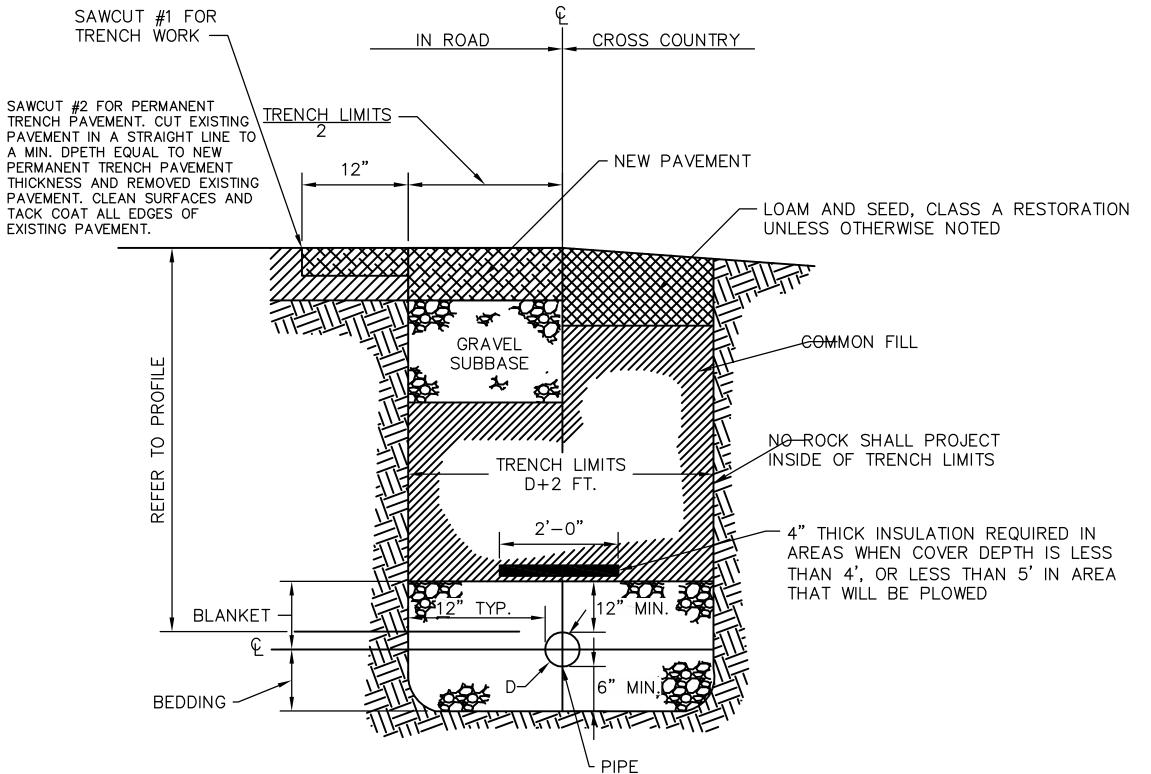
1) POUR THRUST BLOCKS AGAINST UNDISTURBED MATERIAL. WHERE TRENCH WALL HAS BEEN DISTURBED, EXCAVATE LOOSE MATERIAL AND EXTEND THRUST BLOCK TO UNDISTURBED MATERIAL. NO JOINTS SHALL BE COVERED WITH CONCRETE.

- 2) ON BENDS AND TEES, EXTEND THRUST BLOCKS FULL LENGTH OF FITTING. 3) PLACE CONCRETE PATIO BLOCKS IN FRONT OF ALL PLUGS BEFORE POURING THRUST
- 4) 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. 5) MEGA-LUG RETAINER GLANDS WITH MEGA-BOND ARE REQUIRED FOR MECHANICAL
- JOINTS. THESE GLANDS DO NOT REDUCE THE REQUIREMENTS FOR THRUST RESTRAINT. 6) ALL FITTINGS SHALL BE WRAPPED IN POLYETHYLENE OR BUILDING PAPER PRIOR TO INSTALLATION OF CONCRETE RESTRAINT.
- 7) THREADED ROD SHALL BE ANSI 1242 FY50 PIPE RESTRAINT NUTS TO MATCH AWWA C111. THREADED RODS AND NUT TO BE FIELD COATED WITH BITUMINOUS PAINT. 8) THRUST RESTRAINT IS REQUIRED FOR ALL TEES, BENDS, REDUCERS, CAPS, PLUGS,
- 9) INSTALL LIFT HOOKS INTO THRUST BLOCKS AT END CAPS AND PLUGS. 10) THRUST BLOCK AREA IS BASED ON SILT SOIL WITH A BEARING STRENGTH OF 1500
- PSF AND A SAFETY FACTOR OF 1.5. 11) PRE-FORMED AND PRE-POURED THRUST BLOCKS ARE NOT ACCEPTABLE.

THRUST BLOCK DETAILS AND NOTES NOT TO SCALE

PLAN SIZE:

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



SANITARY SEWER TYPICAL TRENCH DETAIL

NOT TO SCALE

NOTES:

MCKENAN

PROPERTIES, LLC

MANCHESTER, NH. 03103

100 CARL DRIVE

UNIT #8

- 1) WHERE PIPE IS INSTALLED IN GRAVEL SHOULDER OR IN GRAVELED ROAD, GRAVEL SUBBASE SHALL BE 18" THICK FOR THE WIDTH OF THE TRENCH.
- 2) REFER TO SPECIFICATIONS FOR PAVEMENT THICKNESS REQUIREMENTS. 3) REFER TO SPECIFICATIONS FOR COMMON FILL BLANKET, BEDDING,
- AND SUBBASE MATERIAL AND THICKNESS. 4) DEPTH AT TOP OF PIPE SHALL NEVER BE LESS THAN 3' EVEN WITH

c/o WIL GEORGES

- INSULATION. 5) TRENCH LIMITS SHOWN ARE NOT PAY LIMITS.
- 6) REFER TO THE SPECIFICATIONS FOR COMPACTION.

ICKMAN GEORGES I ngineering, LLC REALTY, LLC

1950 Lafayette Road Unit 210, PO Box 8025 Portsmouth, New Hampshire 03802 100 CARL DRIVE, 11a Phone: (603) 433-1354 MANCHESTER, NH. 03103 Fax: (603) 433-2367

GREENVILLE, NEW HAMPSHIRE BRIDGE NO. NHDOT PROJECT N/A FEDERAL PROJECT _____ LOCATION TOWN OF GREENVILLE TAX MAP 5, LOTS 32 & 32-1 OLD MILL, CHAMBERLIN ST., GREENVILLE, HILLSBOROUGH, NH DETAILS - (SEWER & WATER) SRP DESIGNED DEE JJM CHECKED ____ DRAWN ___ TRACED __ CHECKED _ HECKED . QUANTITIES. BY DATE REVIEWED BY: NHDOT PROJ. NO. DESCRIPTION REVISIONS

FOR APPROVAL ONLY

NOT FOR CONSTRUCTION

BY DATE

EE PROJ. NO.

22-105

DWG FILE

22-105_ENG

D-4

1) TRENCH EXCAVATION AND BACKFILLING OF

SEWER PIPE SHALL BE AS SPECIFIED UNDER

2) NO ADDITIONAL PAYMENT SHALL BE MADE

FÓR ABANDONING AND PLUGGING EXISTING PIPES WHEN DIRECTED BY THE ENGINEER.

3) CONCRETE ENCASEMENT OF SEWER LINES

4) EMBANKMENTS SHALL BE COMPLETED AND

COMPACTED TO AN ELEVATION AT LEAST 12 INCHES ABOVE THE TOP OF THE SEWER PIPE

PRIOR TO EXCAVATING A TRENCH IN WHICH

5) CHIMNEY DETAILS FOR HOUSE SEWER

CONNECTION SHALL BE USED ONLY AS

SHOWN ON THE PLANS OR WHEN DIRECTED

6) HOUSE CONNECTION TO BE TEE, WYE, OR

TO INSTALL THE PIPE.

BY THE ENGINEER.

WILL BE REQUIRED WHERE THEY CROSS

STORM DRAINS, WATER PIPES, OR OTHER

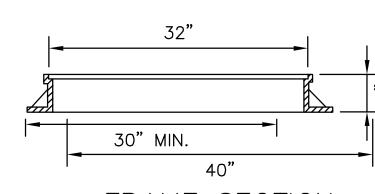
STRUCTURES IN SUCH A MANNER AS TO IMPOSE UNUSUAL LOADING ON THE SEWER

SEWER COVER PLATE

NOT TO SCALE

MIN. WEIGHT=150 LBS.

COVER SECTION



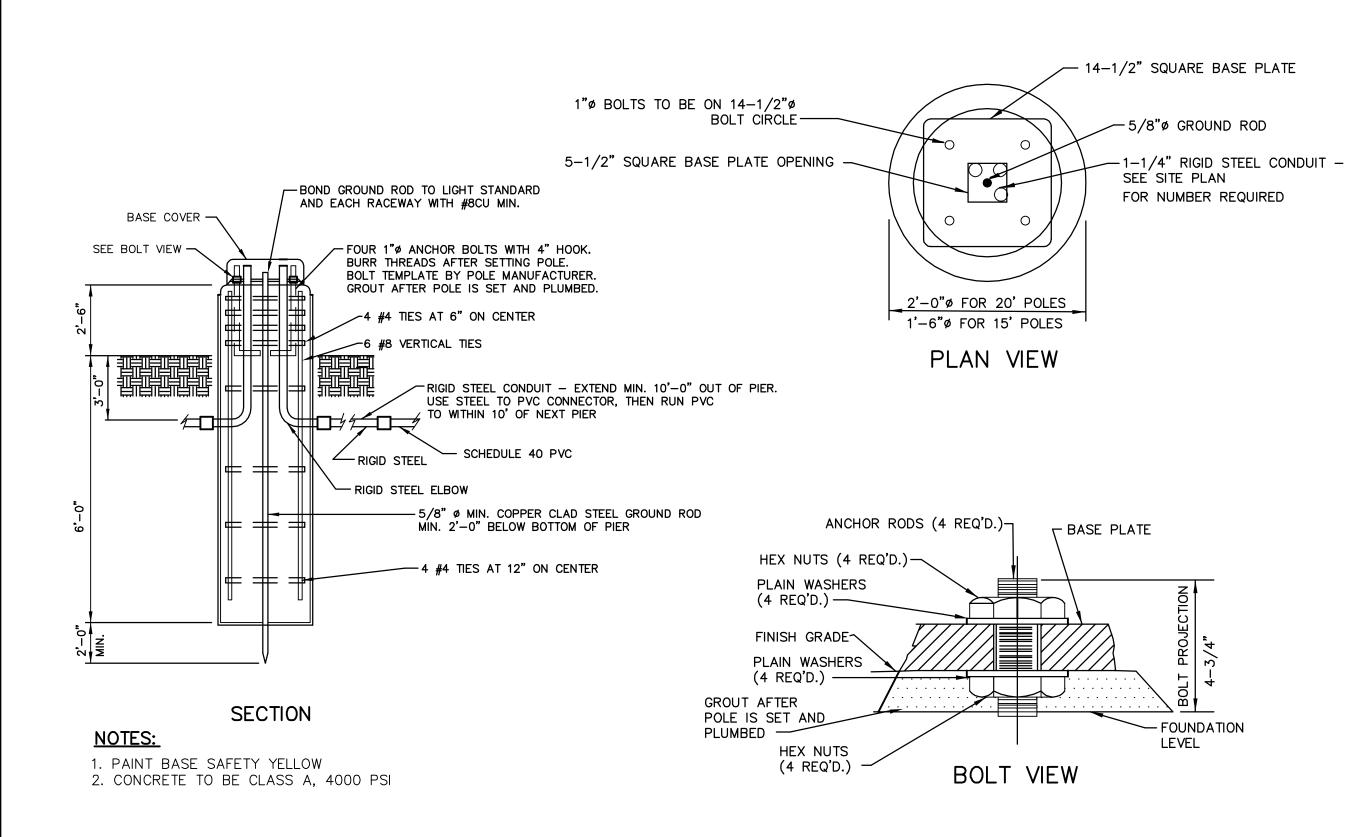
MIN. WEIGHT=250 LBS.

FRAME SECTION

SADDLE AS APPROVED BY THE ENGINEER AND COMPATIBLE WITH EXISTING FACILITIES.

MANHOLE FRAME AND COVER DETAIL

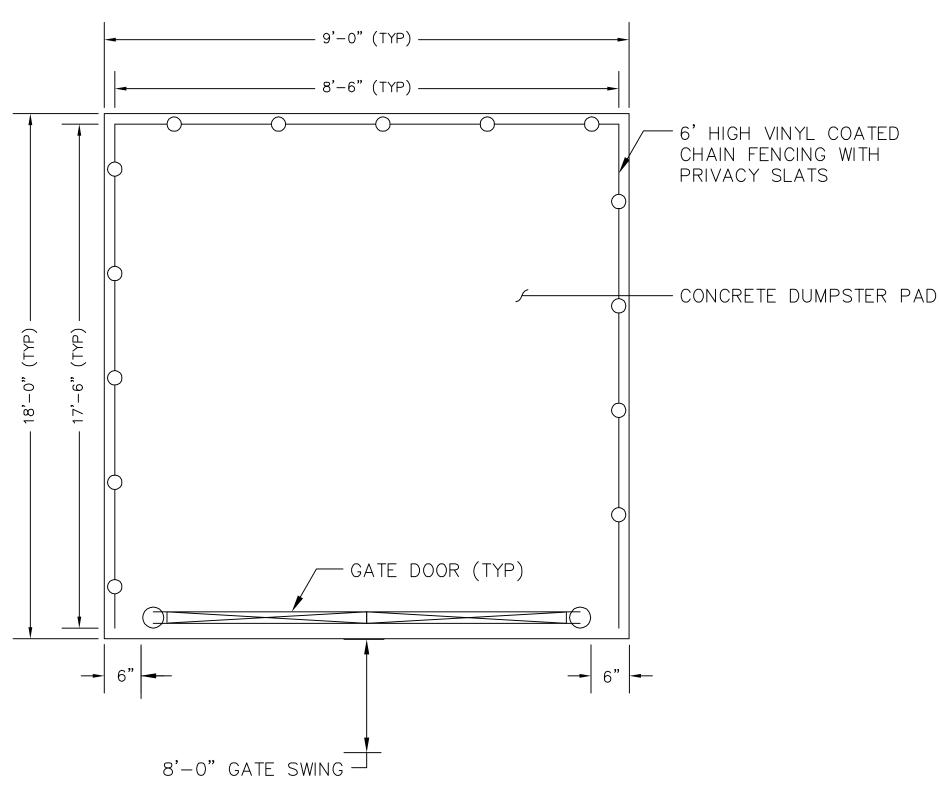
NOT TO SCALE



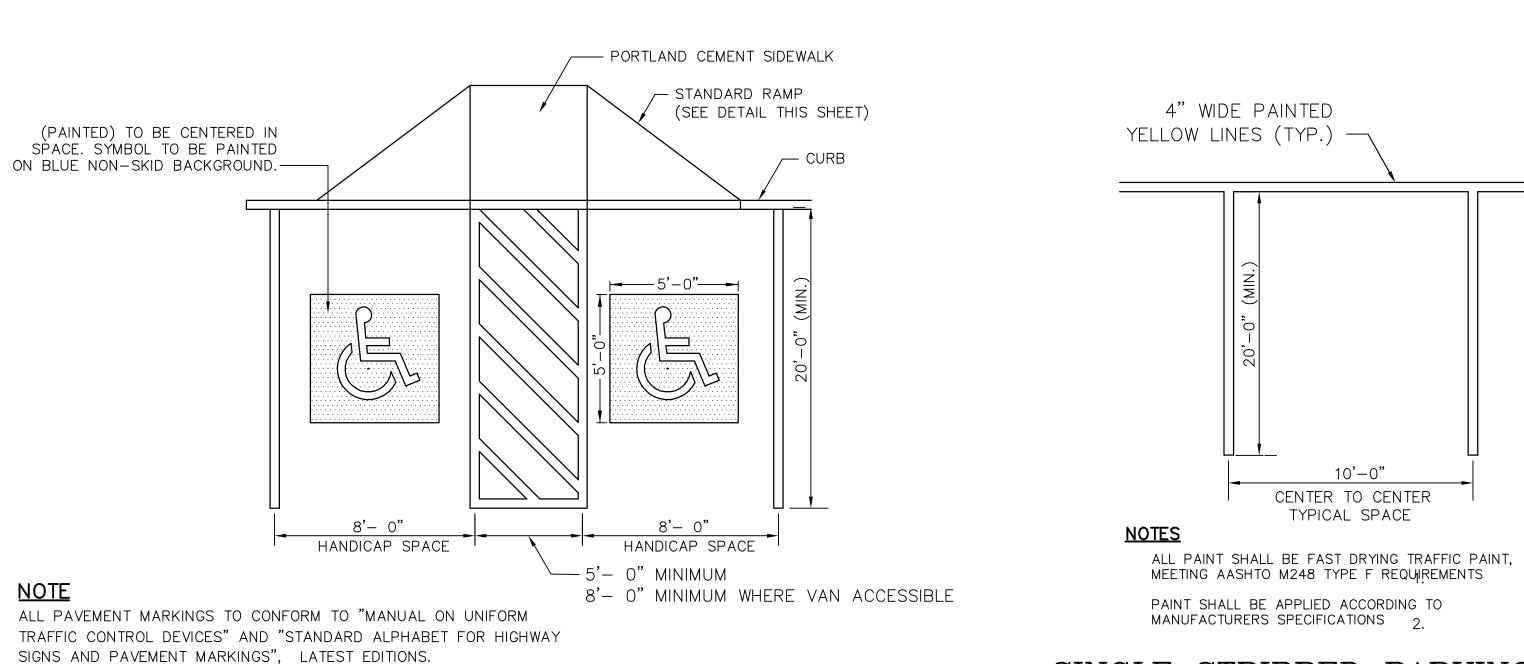
LIGHT POLE BASE NOT TO SCALE

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 REPARIED 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



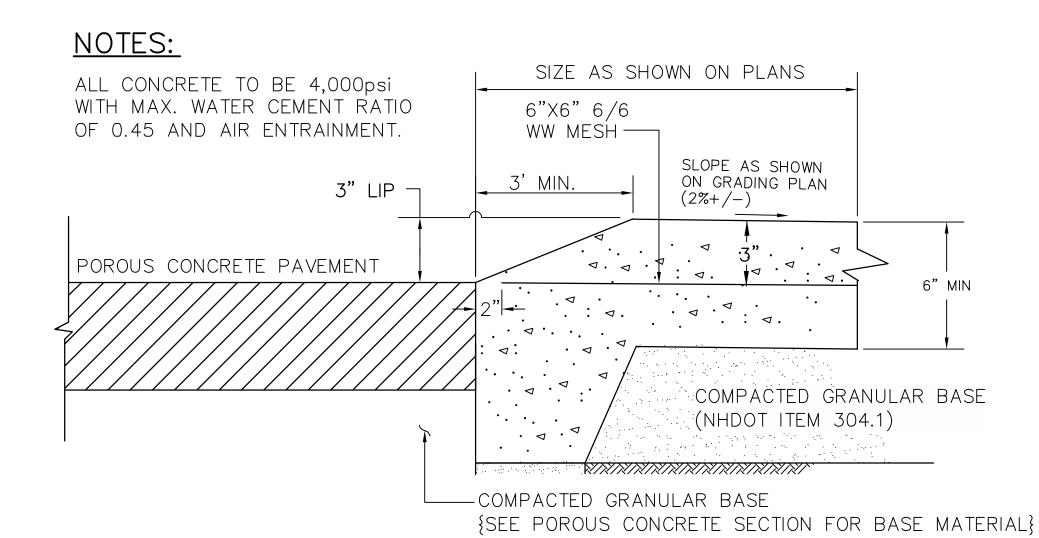
DUMPSTER ENCLOSURE PLAN NOT TO SCALE



HANDICAP PARKING STALL NOT TO SCALE

PAINT SHALL BE APPLIED ACCORDING TO MANUFACTURERS SPECIFICATIONS 2.

SINGLE STRIPPED PARKING STALL NOT TO SCALE



CONCRETE DUMPSTER PAD NOT TO SCALE

FOR APPROVAL ONLY NOT FOR CONSTRUCTION

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

MCKENAN
PROPERTIES, LLC

100 CARL DRIVE UNIT #8 MANCHESTER, NH. 03103 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

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

	REVISIONS				. NA	
No.	DESCRIPTION	BY	DATE	REVIEWED BY:	NHDOT PROJ. NO.	D-5
		1		QUANTITIES	CHECKED	22-105_ENG
		-		TRACED	CHECKED	DWG FILE
		<u> </u>		DESIGNED SRP 10/22 DRAWN JJM 10/22	CHECKED DEE 11/22 CHECKED DEE 11/22	22–105
				BY DATE	BY DATE	
				DETAILS - (PARK	ING, POLE BASE &	DUMPSTER)
					LIN ST., GREENVILLE, HILLSE	OROUGH, NH
		1	<u> </u>	LOCATION TOWN OF GREEN	VILLE TAX MAP 5, LOTS 32	
				FEDERAL PROJECT		
				TOWN GREENVILLE, NEW	HAMPSHIRE BRIDGE NO	

BEST MANAGEMENT PRACTICES FOR COMMON INVASIVE SPECIES

Eckman Engineering was on—site late fall well after the growing season amd 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 encounterd. BMPs are therfore provided to deal with several common invasive species that are frequently encountered in the State of New Hampshire. Prior to begining work the contractor shall have a profesional qualified to identify invasive species check the proposed excavation areas of the site.

The contactor shall apply or hire someone experienced to apply the following BMPif required:

<u>Knotweed</u>

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

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

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

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.

 \S 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 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 abovearound.

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

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 |11×17 ARE APPROXIMATE HALF SCALES|

MCKENAN

PROPERTIES, LLC

100 CARL DRIVE UNIT #8 MANCHESTER, NH. 03103 **GEORGES**

c/o WIL GEORGES 100 CARL DRIVE, 11a

MANCHESTER, NH. 03103

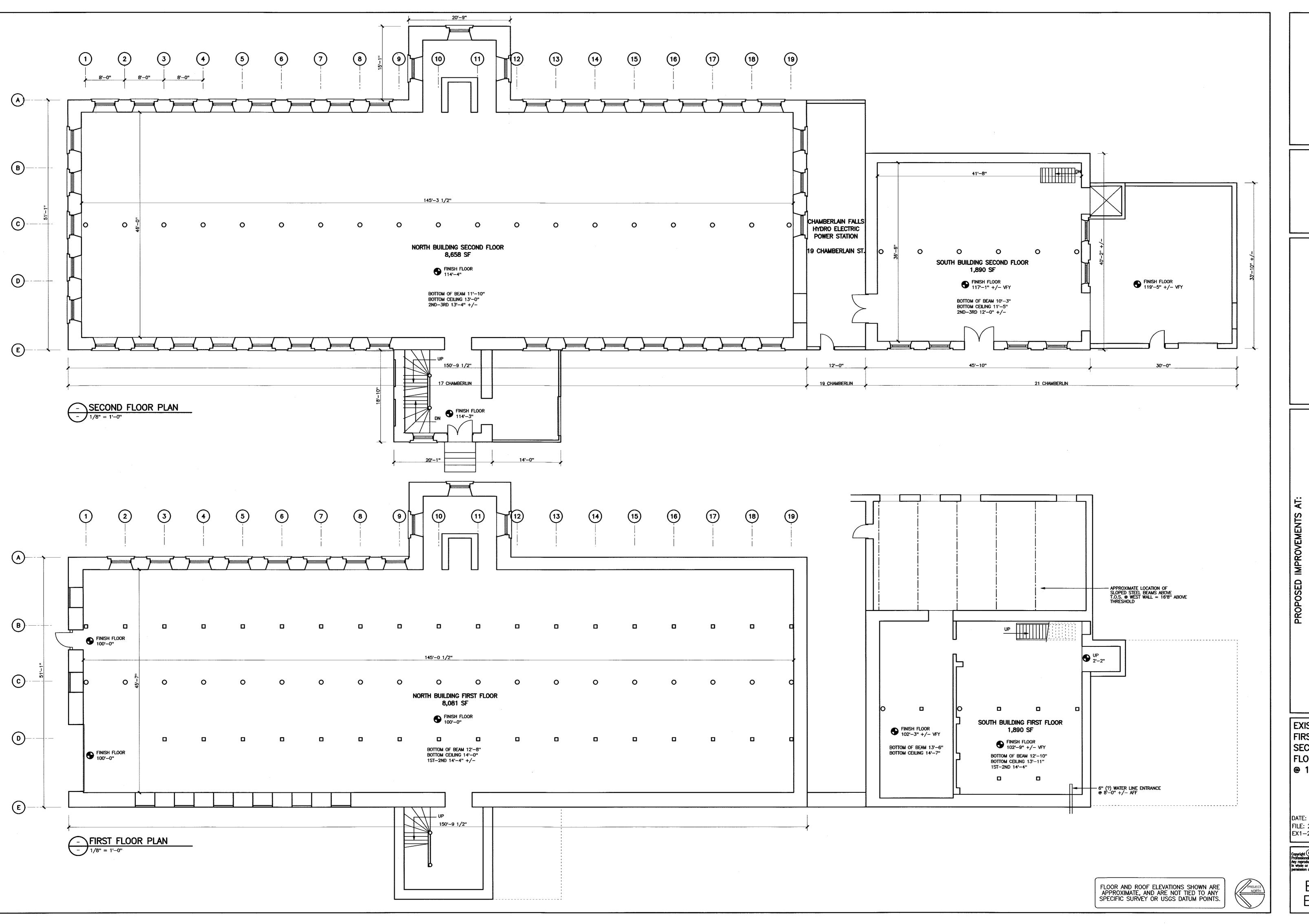
REALTY, LLC

ngineering, LLC 1950 Lafayette Road Unit 210, PO Box 803

Portsmouth, New Hampshire 03802 Phone: (603) 433-1354 Fax: (603) 433-2367

5			
No.	DESCRIPTION	BY	DATE
	REVISIONS		

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



AUER ARCHITECTS, P.A
118 PAIGE HILL RD., GOFFSTOWN, NH 03045
Tel. 603-497-8441

LAUER ARCHIT
118 PAIGE HILL RD., GOFF
Tel. 603-497lauerarchitects@co

21 CHAMBERLIN STREET

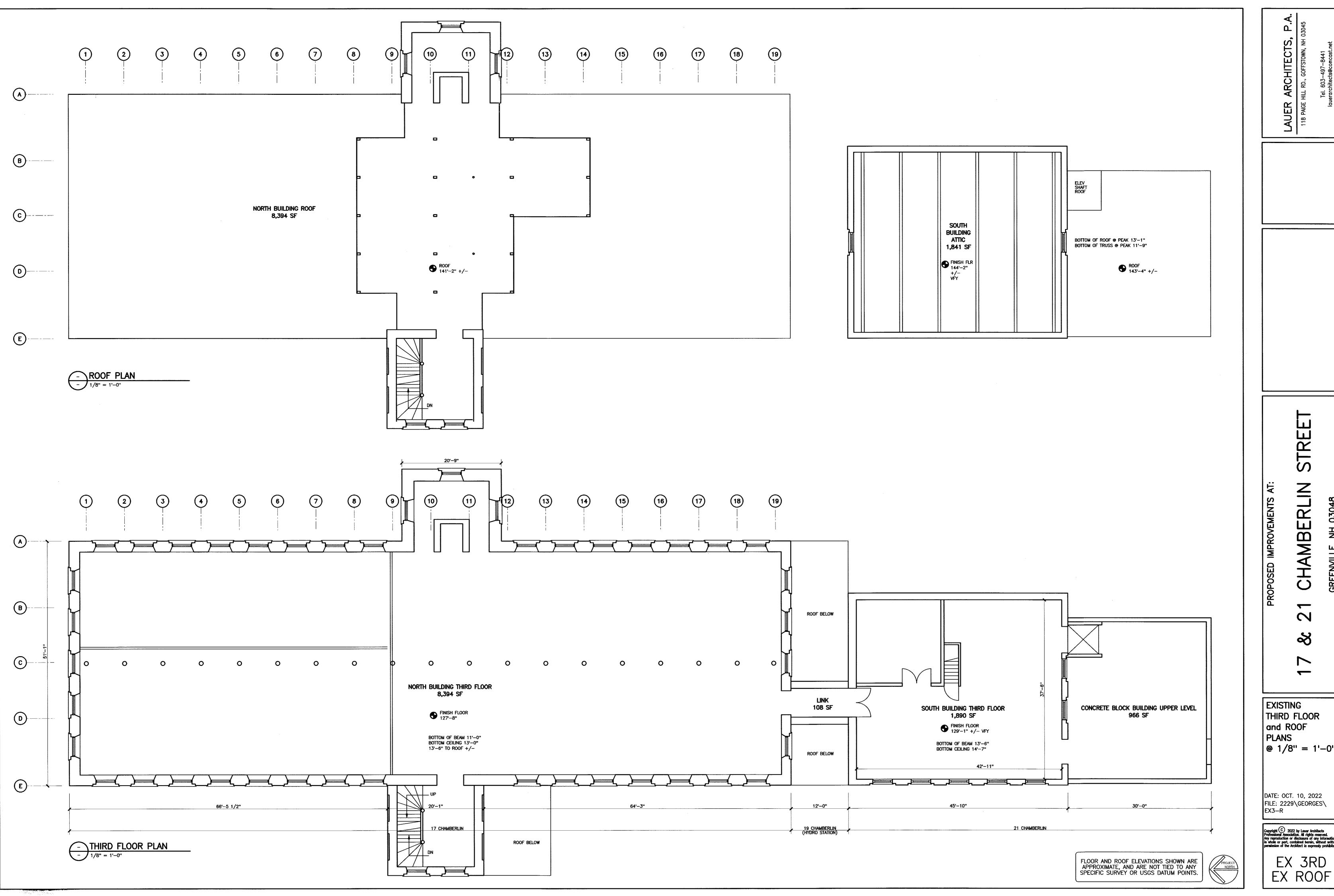
EXISTING
FIRST and
SECOND
FLOOR PLANS
@ 1/8" = 1'-0"

8 8

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

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EX 1ST



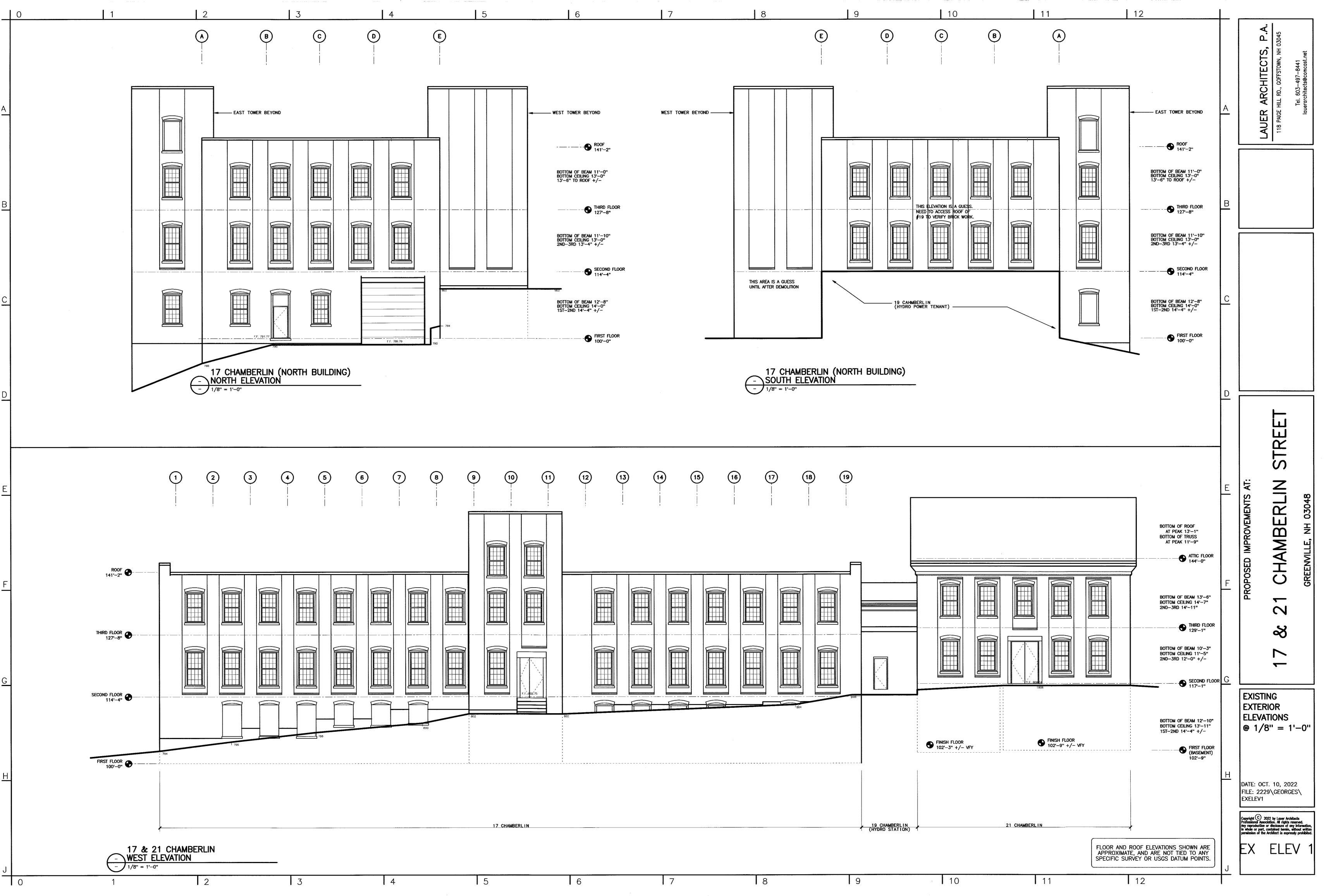
STREET

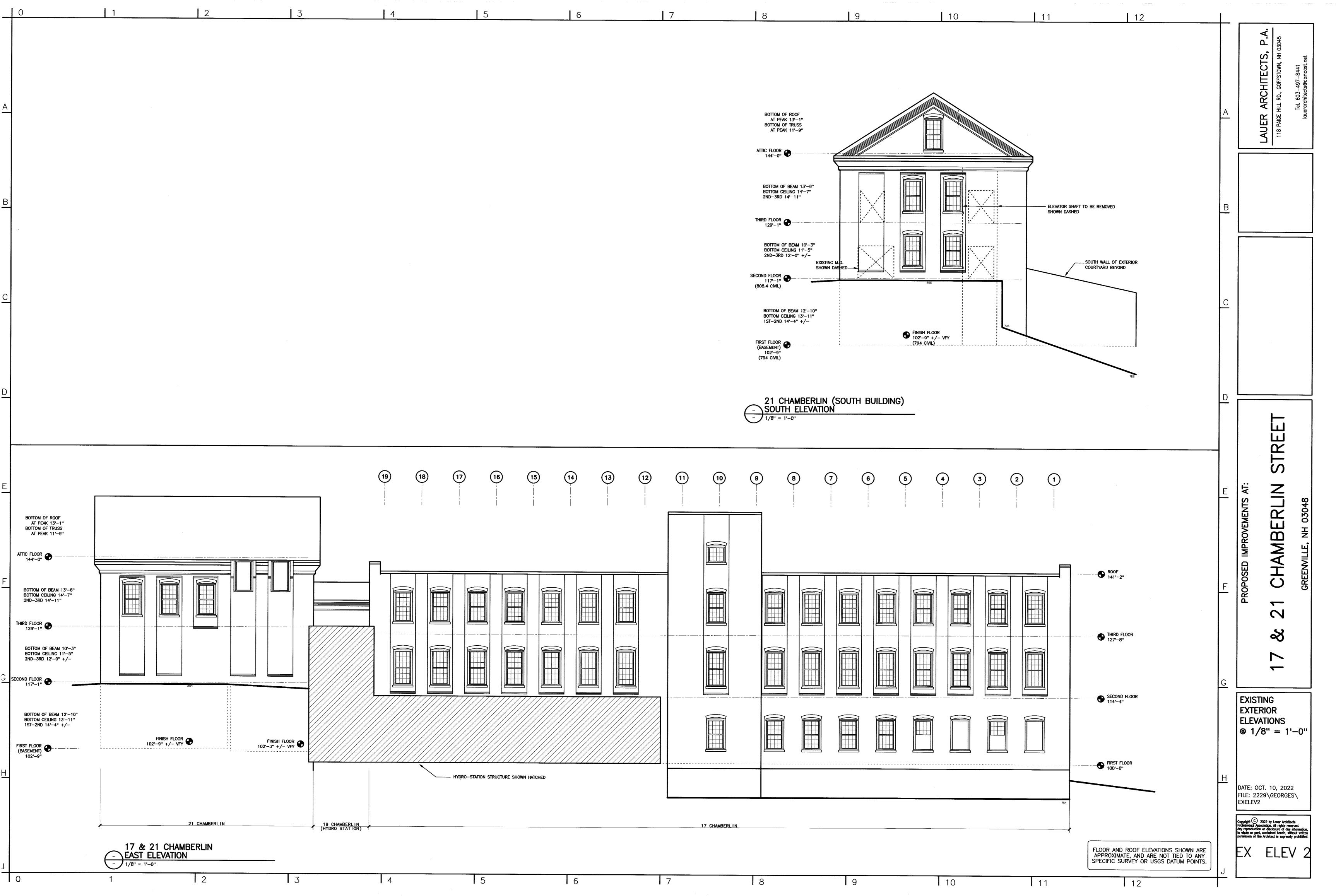
CHAMBERI ळ

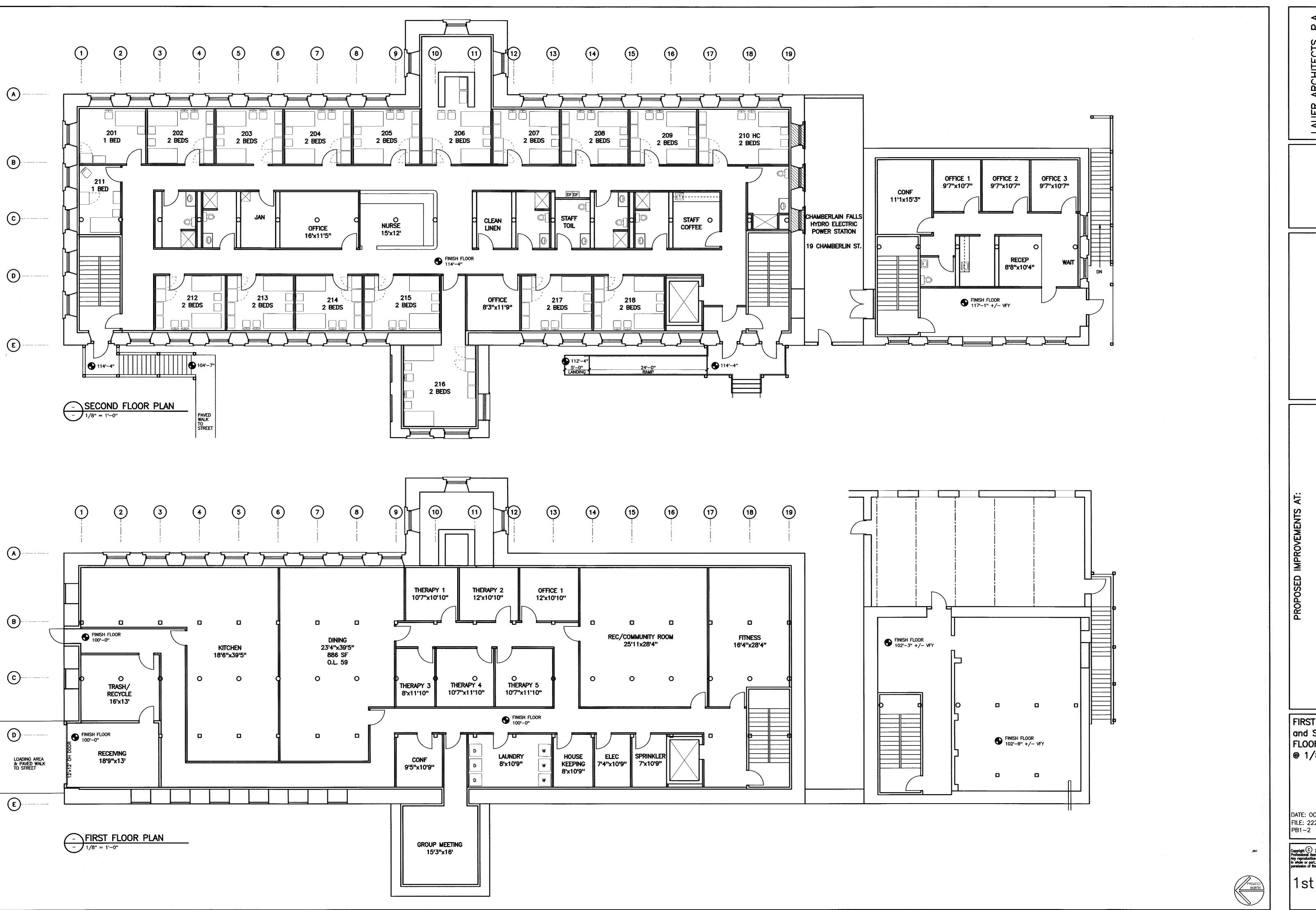
EXISTING THIRD FLOOR and ROOF PLANS @ 1/8" = 1'-0"

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

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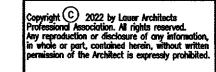
I CHAMBERLIN STREET

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

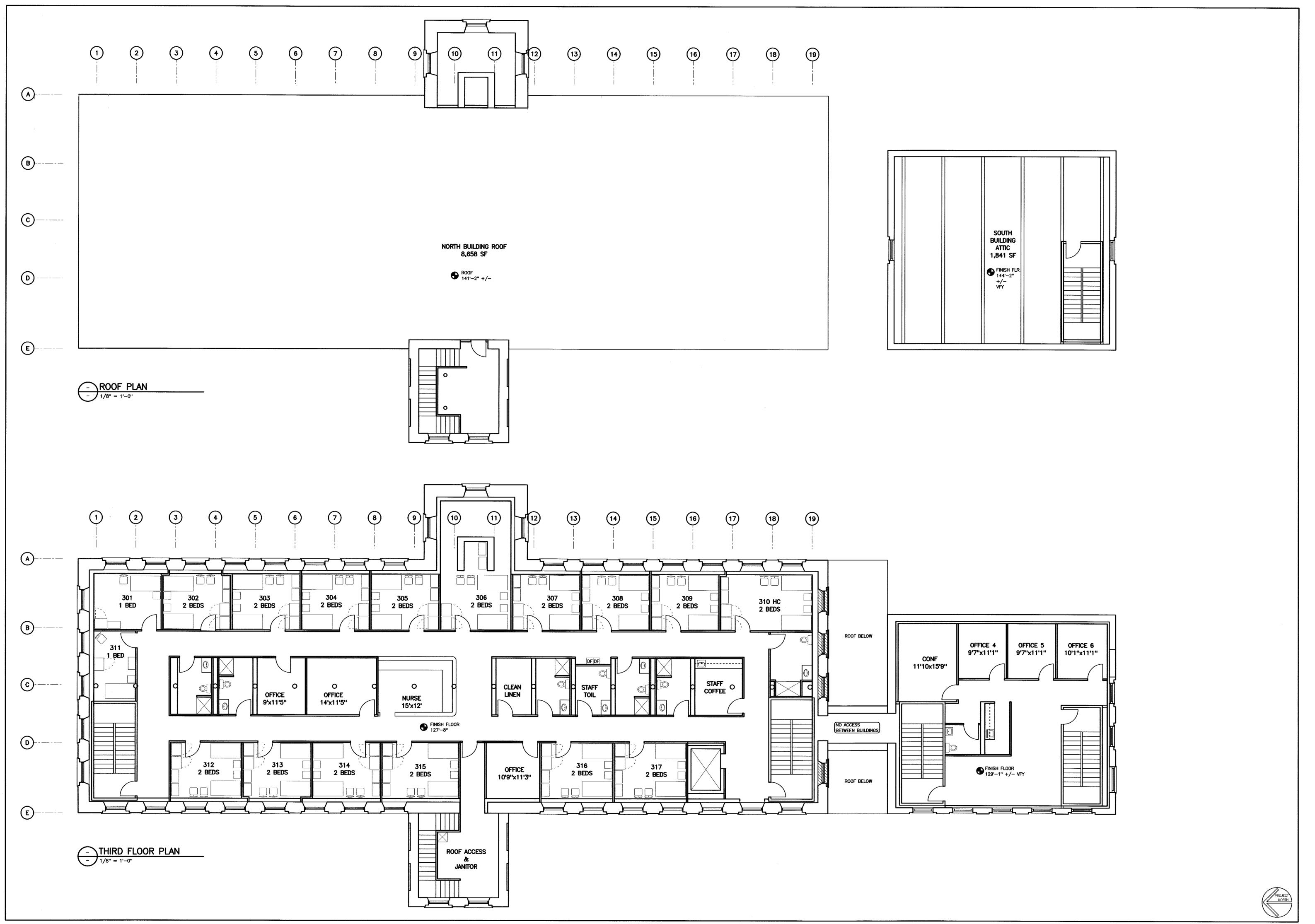
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DATE: OCT. 27, 2022
FILE: 2229\GEORGES\



1st & 2nd

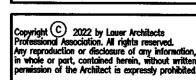


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Tel. 603-497-8441

& 21 CHAMBERLIN STREET

THIRD FLOOR
and ROOF
PLANS
@ 1/8" = 1'-0"

DATE: OCT. 27, 2022 FILE: 2229\GEORGES\ PB3-R



3rd & ROOF

