TOWN OF MANCHESTER PLANNING AND ZONING COMMISSION

February 21, 2024 7:00 P.M. Lincoln Center Hearing Room, 494 Main Street Or virtually, via Zoom

AGENDA

This meeting will be held both in person and virtually, via Zoom. The meeting will be shown live on Cox Channel 16 and streamed live at

http://www.channel16.org/CablecastPublicSite/watch/1?channel=1. Individuals who wish to speak at or attend the virtual meeting must complete a Request to Attend Virtually form, available at https://manct.us/meeting by 4:00 p.m. on the day of the meeting. These individuals will need to join the Zoom meeting and will be allowed to speak when directed by the Chairman. Zoom meeting information will be sent to individuals who complete a Request to Attend Virtually form. Only individuals who complete a Request to Attend Virtually form will be allowed to join the Zoom meeting. A physical location and electronic equipment will be provided for the public to use if a written request is received at least 24 hours in advance, via email to pzccomments@manchesterct.gov, or by mail to the Planning Department, 494 Main Street, P.O. Box 191, Manchester, CT 06045-0191.

PUBLIC HEARING:

- 1. <u>CT SITING COUNCIL PETITION</u> To collect public comments for submission to the Siting Council for a proposed solar facility at 250 Carter Street.
- 2. **<u>3 SQUARED, LLC</u>** For a special exception under Art. II, Sec. 24.02.01(j) for a mixed-use multi-family development at 14 North Main Street.
 - Special Exception (PSE-0058-2023)

BUSINESS:

- 1. **<u>3 SQUARED, LLC</u>** For a special exception under Art. II, Sec. 24.02.01(j) for a mixed-use multi-family development at 14 North Main Street.
 - Special Exception (PSE-0058-2023)
 - Erosion & Sedimentation Control Plan (ESC-0001-2024)
- 2. **TRA CONSULTING** Pre-application discussion for possible distribution warehouse development at 71 & 81 Commerce Road.
 - Pre-application Review (PAR-0001-2024)
- HARTFORD HEALTHCARE CORPORATION Pre-application discussion for possible zoning regulation amendment proposal regarding signage permitted on medical office buildings.
 - Pre-application Review (PAR-0002-2024)

4. DISCUSSION: MUNICIPAL FINES FOR INLAND WETLANDS VIOLATIONS

5. ADMINISTRATIVE REPORTS

- Upcoming Training Opportunities
 - In-house training session March 18, 2024 beginning at 5:45 p.m. (before regularly scheduled meeting)

6. APPROVAL OF MINUTES

• February 5, 2024 – Public Hearing/Business Meeting

7. RECEIPT OF NEW APPLICATIONS

R:\Planning\PZC\2024\02 - February 21\Agenda 21 FEB 2024.docx

TOWN OF MANCHESTER LEGAL NOTICE

The Planning and Zoning Commission will hold a public hearing on February 21, 2024 at 7:00 P.M., both virtually and in person in the Lincoln Center Hearing Room, 494 Main Street, Manchester, Connecticut, to hear and consider the following petitions:

<u>3 SQUARED, LLC – Special Exception (PSE-0058-2023)</u> – For a special exception under Art. II, Sec. 24.02.01(j) for a mixed-use multi-family development at 14 North Main Street, General Business zone.

<u>CT SITING COUNCIL PETITION – 250 Carter Street</u> – To collect public comments for submission to the Siting Council for a proposed solar facility at 250 Carter Street, Rural Residence zone.

At this hearing interested persons may be heard, either in person or virtually via Zoom, and written communications received. This meeting will be shown live on Cox Channel 16 and streamed live at http://www.channel16.org/CablecastPublicSite/watch/1?channel=1. Individuals who wish to speak at or attend the virtual meeting must complete a Request to Attend Virtually form, available at https://manct.us/meeting, by 4:00 p.m. on the day of the meeting. These individuals will need to join the Zoom meeting and will be allowed to speak when directed by the Chairman. Zoom meeting information will be sent to individuals who complete a Request to Attend Virtually form will be allowed to join the Zoom meeting. A physical location and electronic equipment will be provided for the public to use if a written request is received at least 24 hours in advance, via email to pzccomments@manchesterct.gov, or by mail to the Planning Department, 494 Main Street, P.O. Box 191, Manchester, CT 06045-0191.

Individuals may also submit comments in writing to the Planning and Economic Development Department via email to <u>pzccomments@manchesterct.gov</u>, or by mail to the Planning Department, 494 Main Street, P.O. Box 191, Manchester, CT 06045-0191. All written comments received by 4:00 p.m. on the day of the meeting will be presented and recorded as part of the hearing.

A copy of this petition is in the Planning and Economic Development Department, Lincoln Center Building, 494 Main Street, and may be inspected during regular business hours (8:30 a.m. -4:30 p.m., Monday through Friday). Information about this application will be available online at <u>https://Manchesterct.gov/pzc</u> by the Friday before the hearing.

Planning and Zoning Commission Eric Prause, Chair

TOWN OF MANCHESTER PLANNING AND ECONOMIC DEVELOPMENT DEPARTMENT

TO:	Planning	& Zoning	Commission
-----	----------	----------	------------

FROM: Megan Pilla, Principal Development Planner

DATE: February 16, 2024

RE: CT Siting Council Petition – 250 Carter Street

Introduction

A Petition for Declaratory Ruling has been filed with the CT Siting Council for the construction, maintenance, and operation of a 0.999-megawatt AC solar photovoltaic electric generating facility at 250 Carter Street.

The proposed plan set and project narrative are included in this packet for reference. All other documents associated with the petition, including assessments and reports, can be accessed here: https://portal.ct.gov/CSC/3_Petitions/Petition-Nos-1601-1700/PE1609

The Siting Council has full jurisdiction over this petition. The purpose of this public hearing is to collect and submit public comments for consideration by the Siting Council.

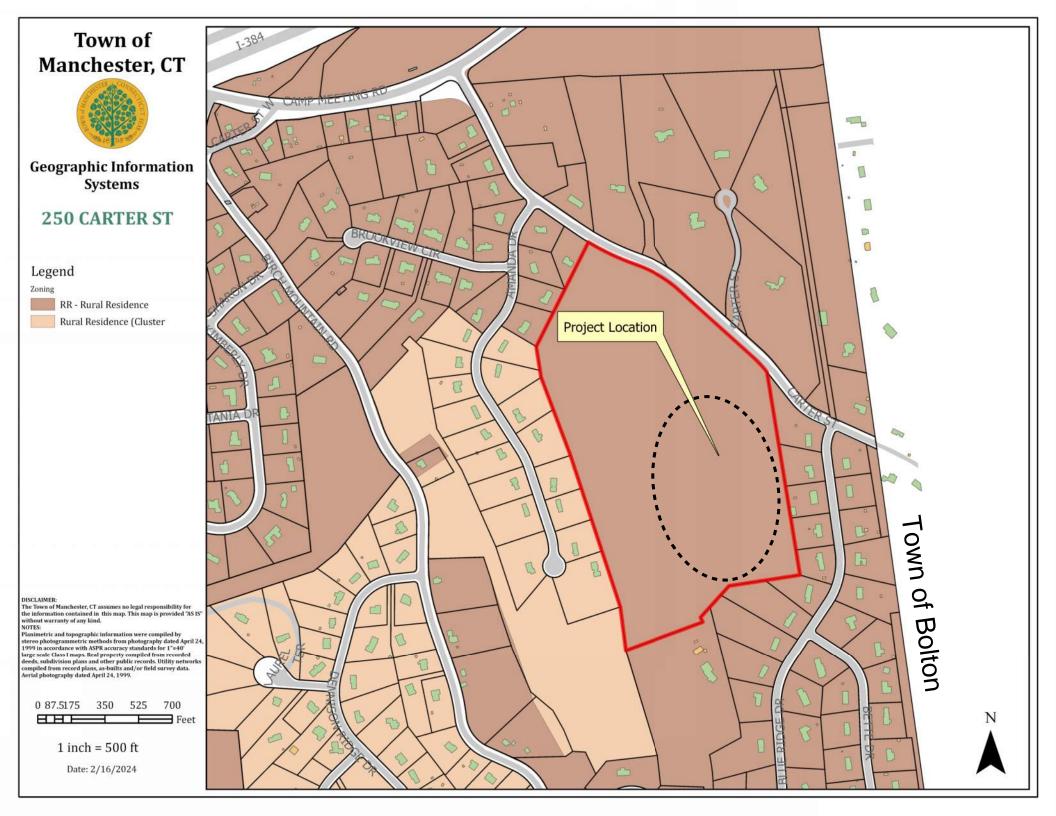
Project Description

The approximately 41-acre parcel is bounded by Carter Street to the northeast, and surrounded by private residences on all other sides. It is almost entirely forested, with the exception of a portion of the Shenipsit hiking trail which aligns with a 50-ft. wide Algonquin Gas Transmission utility easement, and includes several pockets of wetlands.

The proposed solar array would include approximately 2,590 non-reflective solar panels surrounded by a chain-link security fence and vegetation buffer. The array would connect to the Eversource electric distribution grid via the existing Eversource pole on Carter Street.

The proposal includes the clearing of approximately 7 acres of forest, as well as a wetland crossing to create the 12-ft. wide gravel access drive.

mp R:\Plannig\PZC\2024\02 - February 21\Meeting Packet\250 Carter - Memo.docx Attach.





PAUL R. MICHAUD Managing Attorney / Principal 515 Centerpoint Drive, Suite 503 Middletown, CT 06457 Direct Telephone: (860) 338-3728 Email: pmichaud@michaud.law Web: www.michaud.law

January 24, 2024

VIA ELECTRONIC MAIL AND U.S. MAIL

Melanie Bachman Executive Director Connecticut Siting Council 10 Franklin Square New Britain, CT 06051

Re: Petition of TRITEC Americas, LLC for a Declaratory Ruling that No Certificate of Environmental Compatibility and Public Need is Required for the Construction Operation, Maintenance, and Decommissioning of a 0.999 MW AC Solar Photovoltaic Project in Manchester, Connecticut

Dear Attorney Bachman:

Through its undersigned counsel, TRITEC Americas, LLC respectfully submits the enclosed Petition regarding the above-referenced solar photovoltaic project, including the original, fifteen copies, and the \$625 filing fee.

Additionally, Michaud Law Group, LLC will submit an electronic copy of the Petition via electronic mail.

Please feel free to contact me if you have any questions.

Very truly yours,

Paul R. michaul

Paul R. Michaud

STATE OF CONNECTICUT

SITING COUNCIL

PETITION OF TRITEC AMERICAS, LLC FOR A DECLARATORY RULING THAT NO CERTIFICATE OF ENVIRONMENTAL COMPATIBILITY AND PUBLIC NEED IS REQUIRED FOR THE CONSTRUCTION OPERATION, MAINTENANCE, AND DECOMMISSIONING OF A 0.999 MW AC SOLAR PHOTOVOLTAIC PROJECT IN MANCHESTER, CONNECTICUT PETITION NO.

January 24, 2024

Under Connecticut General Statutes (C.G.S.) §§ 4-176, 16-50k(a), and 16-50k(e) and Regulations of Connecticut State Agencies § 16-50j-38 *et seq.*, TRITEC Americas, LLC ("Petitioner"), requests that the Connecticut Siting Council ("Council") approve by a declaratory ruling the location, construction, operation, maintenance, and decommissioning of a solar photovoltaic facility with a capacity of 0.999 MW AC and associated equipment inclusive of all solar panels, transformers, electrical switchgear, monitoring equipment, and access roadways ("Project"). The Project will be constructed on approximately 7.8 acres of land ("Project Site") located at 250 Carter Street, Manchester, Connecticut ("Host Parcel"). C.G.S. § 16-50k(a) provides in part:

...Notwithstanding the provisions of this chapter or title 16a, the council shall, in the exercise of its jurisdiction over the siting of generating facilities, approve by declaratory ruling (A) the construction of a facility solely for the purpose of generating electricity, other than an electric generating facility that uses nuclear materials or coal as fuel, at a Project Site where an electric generating facility operated prior to July 1, 2004, and (B) the construction or location of any fuel cell, unless the council finds a substantial adverse environmental effect, or of any customer-side distributed resources project or facility or grid-side distributed resources project or facility with a capacity of not more than sixty-five megawatts, as long as: (i) Such project meets air and water quality standards of the Department of Energy and Environmental

Protection, (ii) the council does not find a substantial adverse environmental effect, and (iii) for a solar photovoltaic facility with a capacity of two or more megawatts, to be located on prime farmland or forestland, excluding any such facility that was selected by the Department of Energy and Environmental Protection in any solicitation issued prior to July 1, 2017, pursuant to section 16a-3f, 16a-3g or 16a-3j, the Department of Agriculture represents, in writing, to the council that such project will not materially affect the status of such land as prime farmland or the Department of Energy and Environmental Protection represents, in writing, to the council that such project will not materially affect the status of such land as core forest. In conducting an evaluation of a project for purposes of subparagraph (B)(iii) of this subsection, the Departments of Agriculture and Energy and Environmental Protection may consult with the United States Department of Agriculture and soil and water conservation districts. (Emphasis added).

The proposed Project would produce 100% carbon-free energy thereby promoting Connecticut's legal requirement for 100% zero-carbon emissions from electricity generation by January 1, 2040. Public Act ("P.A.") No. 22-5, §1 (3). The technical evidence, evaluations, and analysis presented herein by Petitioner demonstrate that the Project will be a renewable distributed generation resource with a nameplate capacity of not more than sixty-five megawatts, will meet air and water quality standards of the Connecticut Department of Energy and Environmental Protection ("DEEP"), and will have no adverse environmental effects. The construction, operation, maintenance, and decommissioning of the proposed Project fully comply with the requirements set out in C.G.S. § 16-50k(a). Therefore, Petitioner respectfully requests that the Siting Council approve the Project by a declaratory ruling.

I. PETITIONER INFORMATION

TRITEC Americas, LLC is based in La Jolla, California. It is the Americas affiliate of TRITEC Group AG, a multi-national solar services company founded in 1987. TRITEC Americas

is a leading provider of solar PV project development, financing, and asset management services for the commercial and industrial solar market throughout the Americas.

Please address all correspondence and communications regarding this Petition to Petitioner's attorney:

Paul R. Michaud Bernadette Antaki Dylan J. Gillis Michaud Law Group LLC 515 Centerpoint Drive, Suite 503 Middletown, Connecticut 06457 Phone: 860-338-3728 pmichaud@michaud.law bantaki@michaud.law dgillis@michaud.law

II. NOTICE, ABUTTER INPUT, SITE PLANS

Under the Regulations of Connecticut State Agencies § 16-50j-40, Petitioner provided written notice of this Petition to all Project abutters and appropriate government officials and agencies on November 5, 2023. See <u>Exhibit A</u> – <u>Certification of Service and the Model Notice</u> <u>Letters</u>.

Petitioner provided an overview of the proposed Project and sought public comment from abutters and local government officials. Petitioner conducted two video conferences – the first with the Town of Manchester on November 14, 2023, and the second with abutters on November 16, 2023. Their main questions regarded noise, tree clearing, visibility, and wetland impacts. Noise levels at the nearest residential building will be about 29 decibels. According to the Centers for Disease Control and Prevention ("CDC"), this is roughly equivalent to a soft whisper. See CDC, *What* Noises Cause Hearing Loss?

https://www.cdc.gov/nceh/hearing_loss/what_noises_cause_hearing_loss.html, (Last Visited Jan. 24, 2024). A majority of the Project Site will require tree-clearing. The pre-existing trees on the

Host Parcel keep Project visibility levels low, but Petitioner proposes incorporating a vegetative buffer along the Project Site's eastern border to further reduce Project visibility. <u>See</u> Proposed Conditions Viewshed Map in <u>Appendix A</u>. As discussed below, the Project will have a minimal direct impact to 0.03 acres of wetlands and will adhere to all pertinent CT DEEP and US Army Corps of Engineers requirements.

The proposed Project would greatly benefit the abutters, the Town of Manchester, and the State. First, the Project would produce clean, carbon-free energy for the electric grid, thus reducing the Town's reliance on fossil fuels and helping to decrease greenhouse gas emissions and combat climate change, contributing to a more sustainable future. Second, it would produce long-term (at least 20 years) stable electricity for the electric grid, which can help lower electricity costs for the Town and its residents over the long term. Third, the Project would generate additional revenue for the Town through property taxes and other fees – on the land and equipment. Fourth, the Project would reduce air and water pollution associated with fossil fuel power plants, improving local air quality and protecting natural resources. It would also conserve water, as solar panels do not require water for cooling like traditional power plants. Fifth, the Project could serve as an educational tool for local schools to teach the students about renewable energy, sustainability, and environmental conservation. Sixth, the Project would result in substantial grid improvements in the vicinity of the Project Site, thus resulting in electric grid resiliency for local residents. Lastly, the project would allow the Town to help meet Connecticut's law to achieve 100% carbon-free generation by 2040.

III. PROJECT

The proposed Project is a Class I renewable energy source as defined under C.G.S. § 16-1(a)(20) and, as such, will help the State achieve its stated energy policy goals and meet legal requirements for 100% carbon-free electric generation by January 1, 2040. <u>See</u> C.G.S. § 16a-35k; P.A. No. 22-5 §1 (3).

A. Project Site:

Petitioner utilized its internal experience and the knowledge and expertise of third-party electrical engineering, civil engineering, consultants, and legal counsel to carefully review, analyze, and select the proposed Project Site. The proposed Project Site selection was based on the site's suitability regarding size, topography, the absence of biological and hydrological conflicts, site availability, and the proximity of the site to existing electrical infrastructure. The proposed Project was designed to minimize land disturbance and preserve the site. Petitioner conducted an extensive site assessment and analysis to prepare this Petition. The Project and Site Assessment involved the expert consultants and legal counsel shown in <u>Table 1</u> below:

TABLE 1:

Consultant	Site of Project Site Assessment and Analysis
Harry E. Cole & Son	Land Surveying
Solli Engineering, LLC	Civil Engineering
William Kenny Associates LLC	Wetlands Delineation and Impact Analysis
Solli Engineering, LLC	Habitat Review and Assessment
Archaeological Consulting Services	Phase IA Environmental Project Site Assessment
Pure Power Engineering, Inc.	Electrical and Mechanical Engineering
Horton Electrical Services, LLC	Project Construction and Installation
Pure Power Engineering, Inc.	Interconnection Design and Medium Voltage Analysis
Michaud Law Group LLC	Legal Counsel

B. Project Site Description:

The Project Site is located in the Rural Residential (RR) zoning district. The Project Site contains vacant land, woodlands, and wetlands. The Project Site does not contain prime farmland. The Project is an "agrivoltaic" project with existing and proposed agricultural activities on the Project Site. See Section III (H) below. The solar array setback is fifty feet from the Host Parcel's property line, and there is one hundred feet between solar panels and any wetland or watercourse.

See <u>Appendix A</u> – <u>Figures</u> and <u>Exhibit B</u> – <u>Civil Plan Set</u> depicting the Project, Project Site, Host Parcel, and their environmental attributes.

Neither the Project Site nor Host Parcel are part of the Public Act 490 Program, and the State of Connecticut Department of Agriculture has not purchased any development rights for the Project Site as part of the State Program for the Preservation of Agricultural Land.

C. Project Description:

The proposed Project will be a ground-mounted solar photovoltaic system using a singleaxis sun-tracking system and related improvements. The proposed Project has approximately 2,590 non-reflective solar panels measuring from about 3' to 6' above final grade, depending on location, grades, and panel tilt. It will be surrounded by a chain-link security fence and a vegetation buffer of evergreen trees along the eastern border to reduce visibility of the Project. The solar modules are designed to absorb incoming solar radiation and minimize reflectivity, so only a tiny percentage of incidental light will be reflected off the panels. This incidental light is significantly less reflective than standard building materials such as steel or a smooth water surface such as a pond or lake. The panels will rotate east to west tracking the sun and reducing overall reflectivity in any given direction. If one section of the array experiences electrical problems, then the remaining sections of the proposed Project can still operate and transmit power to the grid because the system is isolated by circuit strings that are further protected by fuses.

Petitioner will construct the proposed Project. The proposed Project construction period is estimated to take three to four months after receiving all required state and local government permits and approvals. If approved, the proposed Project will require a General Stormwater Permit from DEEP, building and electrical permits from the Town of Manchester, and a utility interconnection agreement and easement with Eversource Energy. The Table below shows the Estimated Project Construction Schedule.

Estimated Project Construction Schedule	
Task	Duration
Mobilization and Project Site Preparation	Two weeks
Civil Work: Road Construction, Grading	Two weeks
Racking, Panel & Electrical Installation	Three weeks
Interconnection and Medium Voltage	Two weeks
System Testing	One week
Approvals & Commissioning	Two weeks

The proposed Project has not been designed to accommodate a potential future battery storage system, however, such a system would not impact the Project.

D. Electric Distribution Grid Interconnection:

Petitioner plans to interconnect the Project to the Eversource electric distribution grid where the access drive meets Carter Street as depicted in <u>Exhibit B</u>. Eversource is conducting a System Impact Study to review the Project's electrical design and output and Petitioner expects interconnection review results in approximately thirty business days. Petitioner will notify Council of Eversource's System Impact Study results.

E. Stormwater Management:

Petitioner's civil engineers and legal team met with DEEP's Water Permitting & Enforcement Division on December 12, 2023, to discuss the proposed Project and Petitioner's

stormwater management plan. Petitioner designed the stormwater management so that postdevelopment peak discharges are *less* than pre-development peak discharges, and the Project won't result in any adverse conditions to the surrounding areas and properties. Additionally, the stormwater management plan adheres to the 2024 CT Stormwater Quality Manual and 2024 CT Guidelines for Soil Erosion and Sediment Control. See <u>Stormwater Management Report</u> in <u>Exhibit</u> <u>C</u>.

E. Equipment, Construction, Operation, Maintenance, and Decommissioning:

1. Equipment. The Project equipment is comprised of premium modules, such as a single-axis sun tracker system that has a designed life and warranty extending for twenty years, but the proposed Project may remain operational for up to 30 years. The Project's capacity factor is 24.56%, which is relatively high for a solar system and is due to the use of single-axis trackers. The solar capacity factor is the system's actual output ratio to its maximum potential output. Annual losses due to system degradation are estimated at 0.5% per year. A solar inverter is a critical component in a solar system. It converts direct current (DC) electricity into alternating current (AC), the standard form of electricity used in homes and businesses. The inverters for the proposed Project have an operational life and warranty of approximately ten years. Therefore, Petitioner expects at least one inverter replacement during the entire operating life of the Project.

Steel foundations will be driven into the ground for the solar array. Steel racking components will be mounted on these foundations, followed by the installation of photovoltaic modules. The electrical contractor will then install conductors from the photovoltaic modules to the inverters and a transformer on a pad at the end of the array. A switchgear will also be mounted to this pad. The electrical contractor will install a medium voltage (MV) circuit from the Project Site to the Eversource point of standard coupling. AC wiring from the inverters to the panels and

MV Transformer occurs on the equipment pad next to the array. Underground conduits will protect feeders. The DC string wiring from the panels to the inverters is routed securely along the racking structure, preventing animal access. These wires enter a conduit weather head under the array, then route to the inverters. Any wiring along the system exposed to the sun is protected by split loom tubing to prevent UV damage. No wiring will be subject to damage during vegetation maintenance, as all wiring below the panels will be in a conduit. No spare parts or replacement modules will be kept on site. No chemicals will be used on-site. The transformers contain mineral oil, but this oil is industry standard and not a danger to the environment. See <u>Product Information Sheets</u> in <u>Appendix E</u>, including Toxicity Characteristic Leaching Procedure test results indicating that the proposed solar panels are not hazardous waste.

2. <u>Construction, Operation, and Maintenance</u>. The proposed Project construction will have an anticipated duration of three to four months and will take place Monday through Friday between 7:00 a.m. ET and 3:30 p.m. ET. Construction will involve the services of electrical, civil, and structural contractors. The construction staging area will be located entirely within the proposed limit of disturbance associated with the project. One access road will be on the Project Site. Petitioner will carry out construction consistent with the *2024 Connecticut Guidelines for Soil Erosion and Sedimentation Control* put out by DEEP.

Once built and operational, the Project will be monitored remotely twenty-four (24) hours a day, seven days a week, through a data acquisition system ("DAS"). The DAS system can detect local weather conditions, production from all equipment for the Project, and safety concerns related to grid outages or faults. In the event of a fault or power outage within the solar facility and the Eversource distribution circuit, the proposed Project must be isolated from the distribution circuit within two seconds of fault detection. The proposed Project's Operations and Maintenance ("O&M") company will perform detailed scheduled annual inspections of all equipment at the Site. In addition, the O&M company will always be on-call in case unscheduled equipment maintenance or safety-related concerns are needed. Cleaning of the solar panels would be conducted as needed with non-toxic substances. However, it should be noted that regular cleaning is unnecessary due to average rainfall and environmental conditions. The tracker system has a snow sensor, and snow accumulation is shed automatically. The snow sensor can be programmed to have the trackers shed snow once it reaches a certain depth. The vegetation within the Project Site will be mowed four times a year. The Project's <u>Operations and Maintenance (O&M) Plan</u> is shown in <u>Exhibit D</u>. The proposed Project's estimated costs, including equipment and construction costs, are approximately \$3.22/Watt AC x 0.999 MW, or about \$3.22 million.

3. <u>Decommissioning Plan</u>. At the end of the proposed Project's operational life, Petitioner will remove all equipment, including the tracking system, panels, inverters, and electrical collection system, and restore the site to its condition before construction. The Decommissioning Plan for the Project is shown in **Exhibit E**.

F. Public Health and Safety:

Petitioner's focus on safety will meet or exceed all health and safety requirements applicable to electric power generation. The proposed Project is designed to meet all industry, state, and local codes and standards and will not pose a safety concern or create an undue hazard to the public. The proposed Project includes a seven-foot-high safety fence and gate as mandated by National Electric Code and will limit access to authorized or emergency personnel only. Each employee working at the Project Site will (1) receive required general and Project Site health and safety training, (2) comply with all health and safety controls as directed by local, state, and federal requirements, (3) understand and employ the Project Site health and safety plan, (4) know the location of local emergency care facilities, travel times, ingress and egress routes, and (5) immediately report all unsafe conditions to the construction manager. The local contractor, Horton Electrical Services, LLC, will conduct outreach to local emergency responders in case of a fire or other emergency at the Project Site. The Fire Marshal will sign off on the Project Site when the building permit is issued. Petitioner will be prepared to provide access to emergency responders and the utility to cut power to the site for safety-related concerns. The proposed Project will adhere and comply with Best Management Practices for Electric and Magnetic Fields, the National Electric Code, and the current Connecticut State Building Code.

The nearest federally-obligated airport is about 9 miles west of the Project Site. Based on the distance of the Project Site, the FAA determined that there is no hazard to air navigation and no glare analysis would be necessary. See <u>Appendix F</u> – <u>FAA Determinations</u>.

G. Non-Residential Renewable Energy Solutions Program:

Petitioner is submitting the Project into the State's Non-Residential Renewable Energy Solutions ("NRES") Program. The NRES Program is an incentive program that promotes cleanenergy facility development with the energy generated by non-residential solar or other Class I renewable technologies. Under NRES, State, Agricultural, and Municipal ("SAM") customers can share compensation from renewable energy generation. This is done by matching the SAM's beneficial accounts with a renewable energy project. For this Project, Petitioner has an agreement with numerous distressed municipalities matching their beneficial electric accounts with the Project. The NRES program rules prioritize such projects in the NRES program to ensure participation by and economic benefits to distressed municipalities in the form of electric bill savings. The proposed project would result in one or more distressed municipalities receiving up to \$60,000 per year throughout the 20-year term of the NRES tariff agreement for a total of over \$1,000,000. The proposed Project is part of solar project portfolio that Petitioner has put together to help distressed municipalities obtain 100% of their electrical needs through renewable energy.

H. Agrivoltaics:

The proposed Project will be an "Agrivoltaic" project. The U.S. Department of Energy's Solar Energy Technologies Office defines agrivoltaics as "agricultural production, such as crop or livestock production or pollinator habitats, underneath solar panels or adjacent to solar panels." <u>See</u> U.S. D.O.E, *What is Solar and Agriculture Co-Location*, Solar Energy Technologies Office, https://www.energy.gov/eere/solar/solar-and-agriculture-co-location. The Project Site and Host Parcel are currently an operating maple syrup farm with multiple maple syrup taps. Petitioner will continue agricultural activities throughout the lifespan of the Project – maple syrup taps will be relocated within the Host Parcel, and Petitioner is working closely with local farmers to find other agricultural opportunities for the proposed Project Site, including using CTFarmlink and New Connecticut Farmer Alliance.

I. Reduction in Greenhouse Gas Emissions Compared to Natural Gas:

Using resources from the National Renewable Energy Laboratory (NREL) and the U.S. Environmental Protection Agency (EPA), Petitioner estimates that there would be over a 91% reduction in greenhouse gas ("GHG") emissions by pursuing solar instead of natural gas. Petitioner estimates that over 20 years, the proposed Project will generate about 40,997 MWh of electricity while emitting approximately 1,763 metric tons of CO_2e . To achieve the equivalent MWh production over 20 years as the Project, a natural gas generator would emit almost 19,925 metric tons of CO_2e – over eleven times the number of emissions from the proposed Project. See <u>Carbon Debt Analysis in Exhibit F</u>.

J. Environmental Assessment:

Solli Engineering, LLC prepared a comprehensive Environmental Assessment ("EA") of the proposed Project. The EA is attached in <u>Exhibit G</u>. Per the EA, the maximum ground slope within the solar array area will be 9%. The Phase IA Cultural Resources Assessment Survey findings determined that no further archaeological conservation efforts are necessary for the Project Site. See <u>Cultural Resources</u> in <u>Appendix D</u>. The Natural Diversity Data Base review found one State-listed species within the proposed Project Site – the eastern box turtle – and Petitioner will adhere to the measures recommended by DEEP. See <u>CT DEEP Correspondence</u> in <u>Appendix C</u>. The Project Site and the entire State of Connecticut are within the threatened Northern Long-Eared Bat range, but the bats have no known hibernacula in the Town of Manchester. The U.S. Department of the Interior's Fish and Wildlife Service confirmed compliance with protection for the bat in a letter provided in <u>Appendix B</u>. Photographic site documentation is also provided in <u>Exhibit G</u>.

IV. CONCLUSION

As discussed above and in the EA, Petitioner proposes to construct a state-of-the-art, clean, carbon-free, environmentally friendly solar electric generation system that will produce the maximum amount of carbon-free clean energy, implement agrivoltaic practices, provide economic benefits to distressed municipalities and avoid and minimize any adverse environmental effects.

Based on the evaluations and analysis presented in this Petition by Petitioner, the substantial evidence shows that the proposed Project will be a distributed resources project with a capacity of not more than sixty-five megawatts, will meet or exceed the air and water quality standards of DEEP, and will not have any substantial adverse environmental effects.

13

Accordingly, Petitioner respectfully requests that the Council grant this Petition for a Declaratory Ruling and approve the location, construction, operation, maintenance, and decommissioning of the proposed Project with a capacity of 0.999 MW AC, and associated equipment inclusive of solar panels, electrical transformers, electrical switchgear, monitoring equipment, and access roadways.

RESPECTFULLY SUBMITTED,

TRITEC Americas, LLC

R. michau

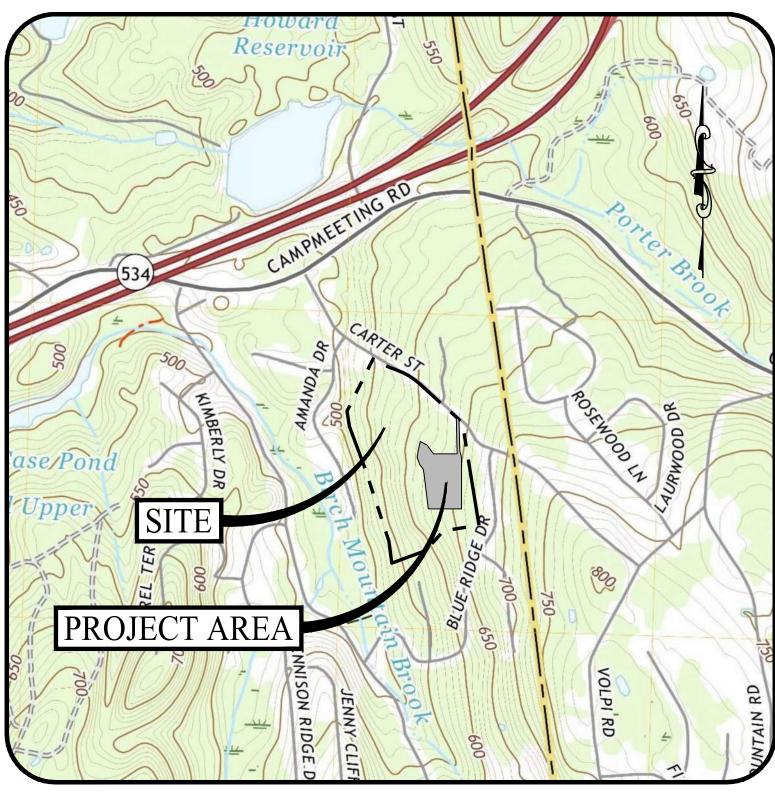
By:

Paul R. Michaud Bernadette Antaki Dylan J. Gillis Michaud Law Group LLC 515 Centerpoint Drive, Suite 503 Middletown, Connecticut 06457 Direct Phone: 860-338-3728

Its Attorney

EXHIBIT B

Civil Plan Set



PROPOSED 0.99 MW SOLAR PHOTOVOLTAIC ARRAY

USGS MAP SCALE: 1" = 1,000'

DRAWING LIST					
SHEET #	SHEET NAME	PLAN DATE	LATEST REVISION		
0.00	COVER SHEET	01/15/24	N/A		
-	PROPERTY & TOPOGRAPHIC SURVEY MAP	10/20/23	N/A		
2.10	OVERALL SITE LAYOUT PLAN	01/15/24	N/A		
2.11	SITE LAYOUT PLAN	01/15/24	N/A		
2.21	GRADING AND DRAINAGE PLAN	01/15/24	N/A		
2.31	SOIL EROSION & SEDIMENT CONTROL PLAN - PHASE 1	01/15/24	N/A		
2.32	SOIL EROSION & SEDIMENT CONTROL PLAN - PHASE 2	01/15/24	N/A		
2.41	SOIL EROSION & SEDIMENT CONTROL NOTES & DETAILS	01/15/24	N/A		
3.01	CONSTRUCTION DETAILS	01/15/24	N/A		
3.02	ENVIRONMENTAL NOTES & DETAILS	01/15/24			

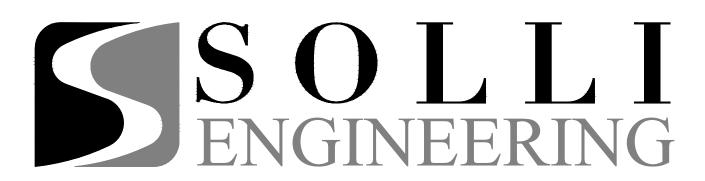
250 CARTER STREET MANCHESTER, CONNECTICUT

PREPARED FOR:



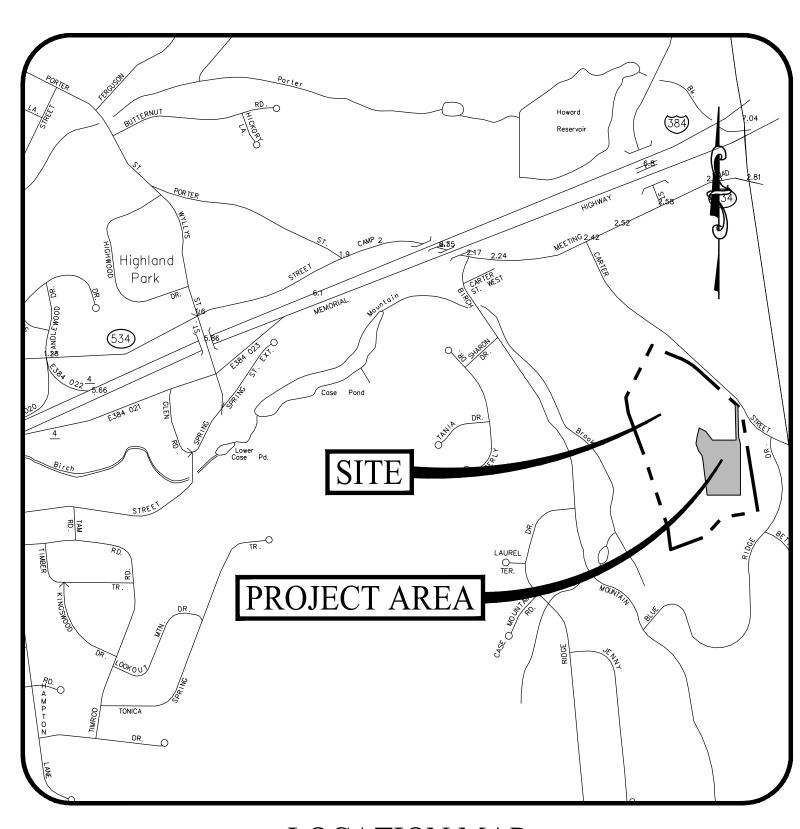
888 PROSPECT STREET, SUITE 200 LA JOLLA, CALIFORNIA

PREPARED BY:



501 MAIN STREET, MONROE, CONNECTICUT 06468 11 VANDERBILT AVENUE, NORWOOD, MASSACHUSETTS 02062





LOCATION MAP

SCALE: 1" = 1,000'

OWNER

WELLS JACOBSON TRUST MARGARET JACOBSON TRUST 143 BOULDER ROAD MANCHESTER, CONNECTICUT 06040

APPLICANT

TRITEC AMERICAS, LLC 888 PROSPECT STREET, SUITE 200 LA JOLLA, CALIFORNIA 92307

PROPERTY INFORMATION

ADDRESS: 250 CARTER STREET, MANCHESTER, CONNECTICUT MAP-BLOCK-LOT: 154-970-250 ZONE: RR AREA: ±41.08 AC BOOK/PAGE: 3397/0065

SOIL SCIENTIST

WILLIAM KENNY, CPWS, PLA, ASLA WILLIAM KENNY ASSOCIATES 195 TUNXIS HILL CUTOFF SOUTH FAIRFIELD, CT 06825 (203) 366-0588



ENGINEER OF RECORD

KEVIN SOLLI, P.E., CPESC, LEED AP BD+C LICENSE NO. 25759 SOLLI ENGINEERING, LLC 501 MAIN STREET MONROE, CONNECTICUT 06468 (203) 880-5455

ELECTRICAL ENGINEER

PURE POWER ENGINEERING, INC. 111 RIVER STREET, SUITE 1110 HOBOKEN, NJ 07030 (201) 687-9975

LANDSCAPE ARCHITECT

MARY BLACKBURN, P.L.A., LICENSE CT NO. 1499 SOLLI ENGINEERING, LLC 501 MAIN STREET MONROE, CONNECTICUT 06468 (203) 880-5455

SURVEYOR OF RECORD

STEPHAN M. GIUDICE, L.S. LICENSE NO. 70145 HARRY E. COLE & SON 876 SOUTH MAIN STREET P.O. BOX 44 PLANTSVILLE, CT 06479 (203) 630-1406

Rev. #: Date

roject:

PROPOSED SOLAR PHOTOVOLTAIC ARRAY 250 CARTER STREET MANCHESTER, CONNECTICUT

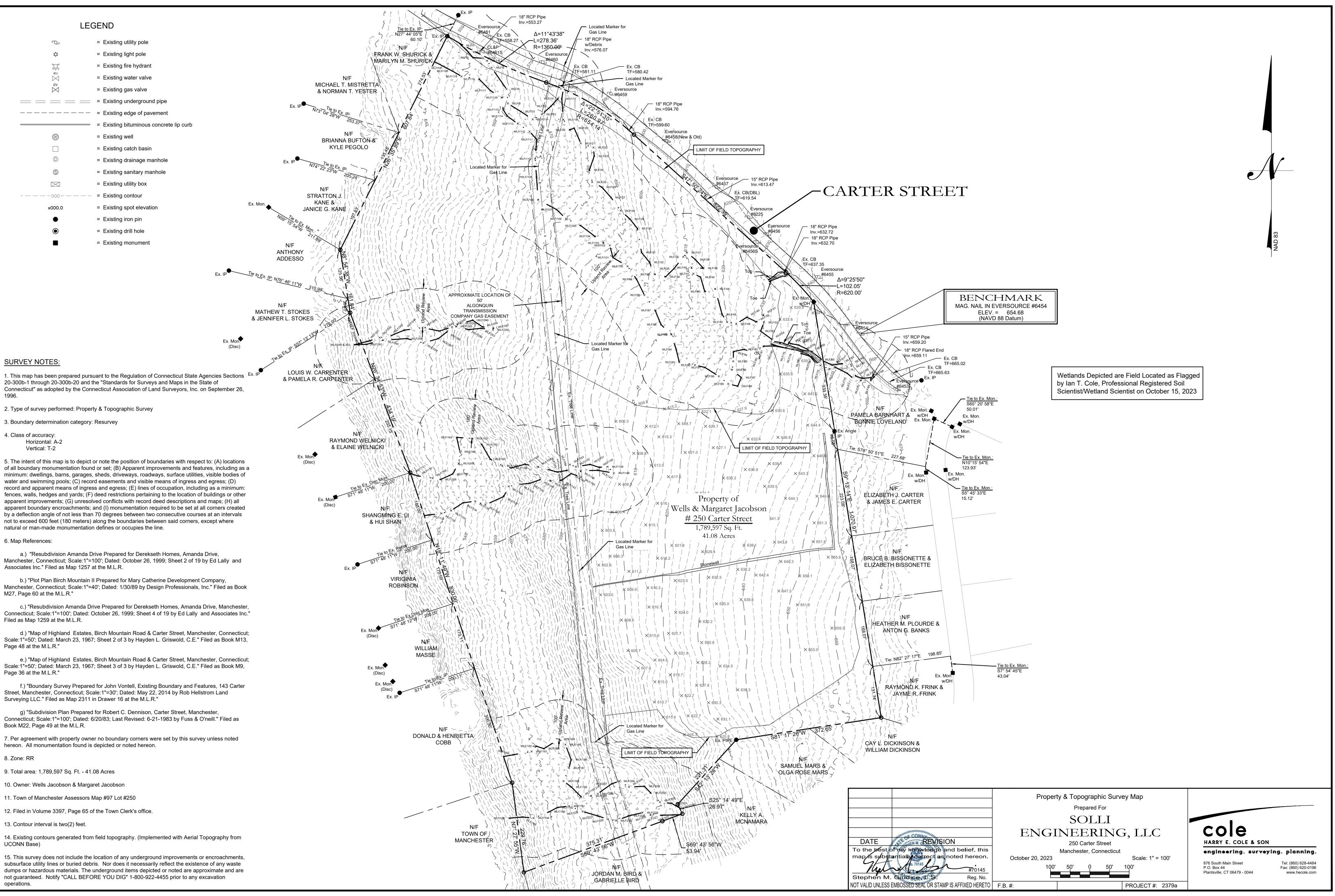
Description

Sheet Title:

Sheet #:

COVER SHEET

0.00



SURVEY NOTES:

not to exceed 600 feet (180 meters) along the boundaries between said corners, except where

Associates Inc." Filed as Map 1257 at the M.L.R.

Manchester, Connecticut; Scale:1"=40'; Dated: 1/30/89 by Design Professionals, Inc." Filed as Book

Scale:1"=50'; Dated: March 23, 1967; Sheet 2 of 3 by Hayden L. Griswold, C.E." Filed as Book M13, Page 48 at the M.L.R."

Scale:1"=50'; Dated: March 23, 1967; Sheet 3 of 3 by Hayden L. Griswold, C.E." Filed as Book M9, Page 36 at the M.L.R."

Street, Manchester, Connecticut; Scale:1"=30'; Dated: May 22, 2014 by Rob Hellstrom Land

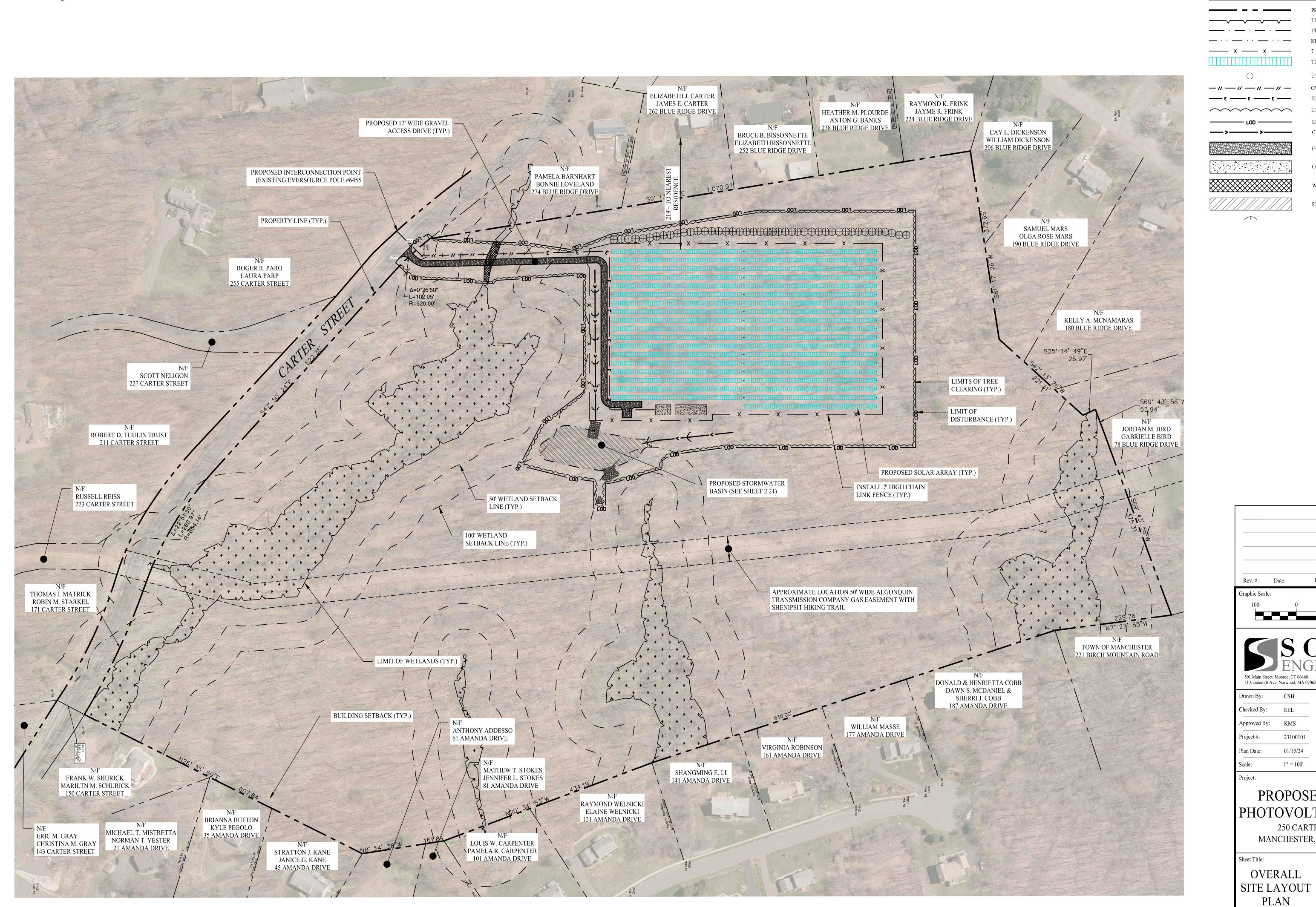
Book M22, Page 49 at the M.L.R.

7. Per agreement with property owner no boundary corners were set by this survey unless noted hereon. All monumentation found is depicted or noted hereon.

- 9. Total area: 1,789,597 Sq. Ft. 41.08 Acres
- 10. Owner: Wells Jacobson & Margaret Jacobson

14. Existing contours generated from field topography. (Implemented with Aerial Topography from UCONN Base)

15. This survey does not include the location of any underground improvements or encroachments, subsurface utility lines or buried debris. Nor does it necessarily reflect the existence of any waste not guaranteed. Notify "CALL BEFORE YOU DIG" 1-800-922-4455 prior to any excavation



LEGEND

PROPERTY LINE LIMIT OF WETLANDS UPLAND REVIEW AREA STORMWATER BASIN AREA 7' TALL CHAIN LINK FENCE TRINA 540W SOLAR MODULES

UTILITY POLE

OVERHEAD ELECTRIC LINE ELECTRIC CONDUIT LIMIT OF TREE CLEARING LIMIT OF DISTURBANCE

GRASS LINED SWALE

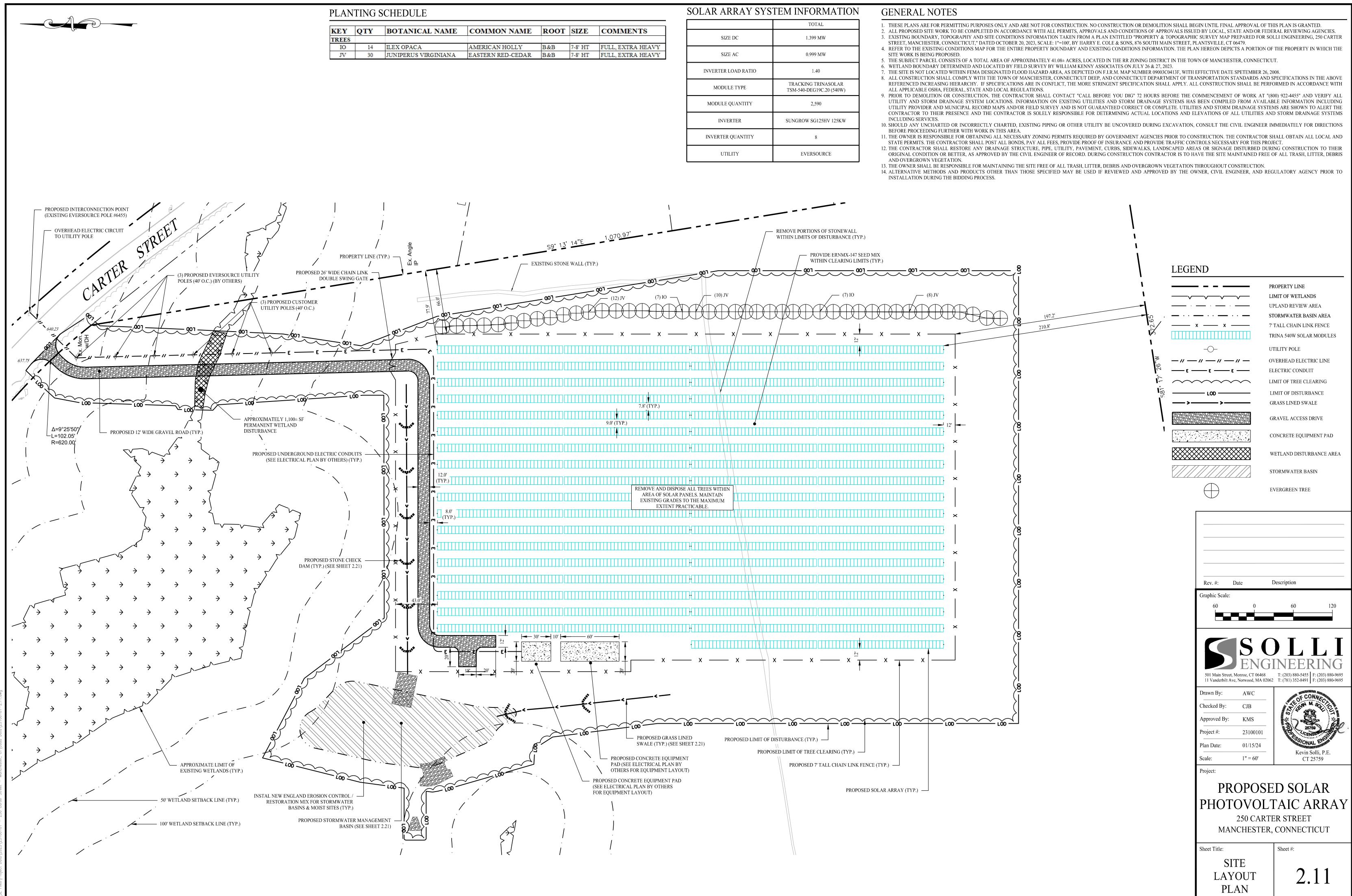
GRAVEL ACCESS DRIVE

CONCRETE EQUIPMENT PAD

WETLAND DISTURBANCE AREA

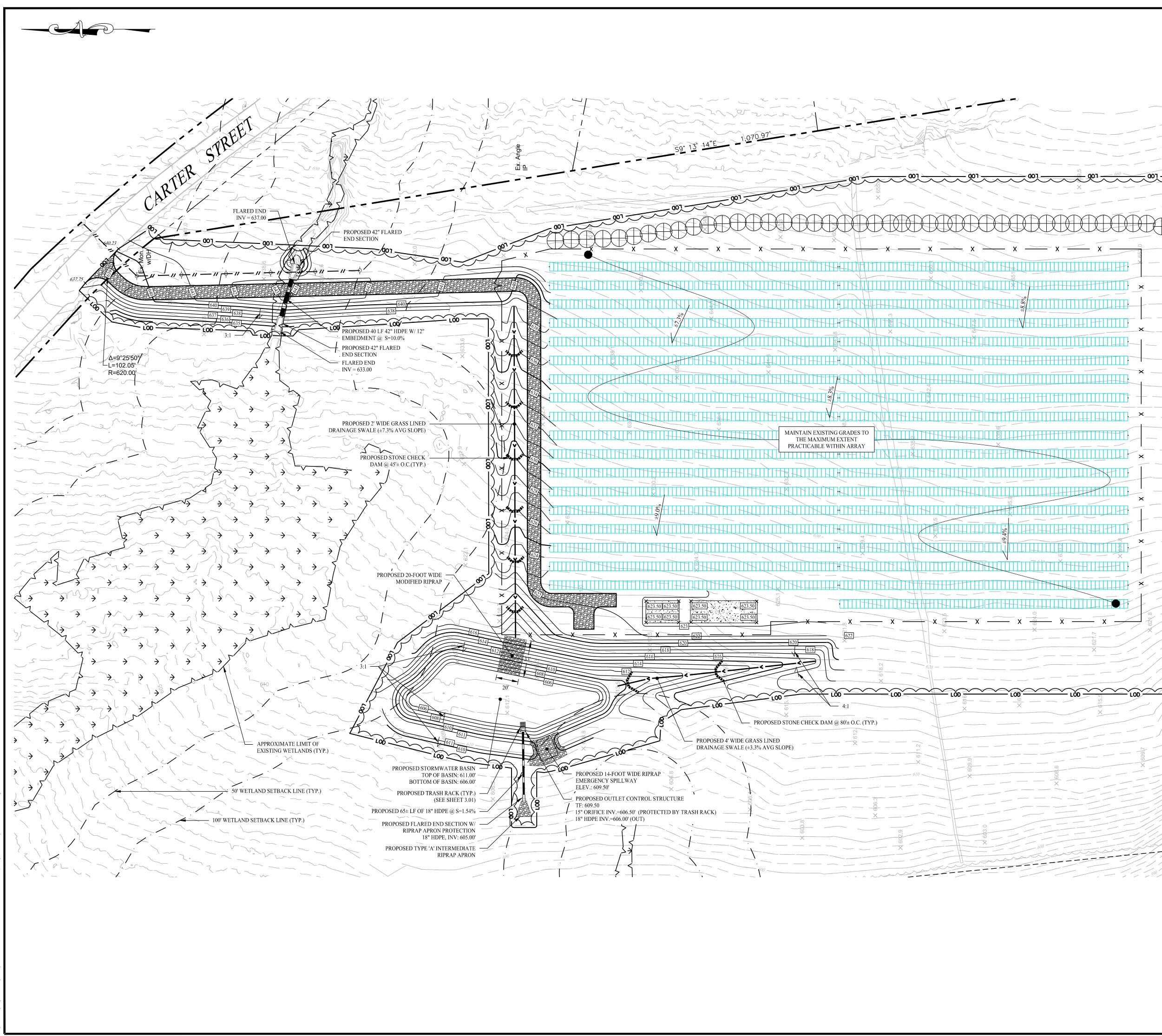
STORMWATER BASIN

Rev. #:	Date	Description
Graphic Scale: 100	0	
	Monroe, CT 06468 ve, Norwood, MA 02	DILLI SINEERING T: (203) 880-5455 T: (781) 352-8491 F: (203) 880-9695 F: (203) 880-9695 F: (203) 880-9695
Drawn By:	CSH	NUMBER OF CONNECTION
Checked By:	EEL	
Approved By:	KMS	
Project #:	23100101	201. 25759 Main
Plan Date:	01/15/24	Karin Salli D.E.
Scale:	1" = 100'	Kevin Solli, P.E. CT 25759
Project:		
PR	OPOS	ED SOLAR
РНОТ	OVOL	TAIC ARRAY
		TER STREET
MA	NCHESTE	R, CONNECTICUT
Sheet Title:		Sheet #:
OVE	RALL	
SITE L	AYOUT	2.10



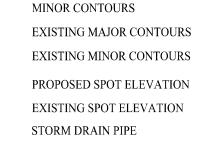
			-	
IE	COMMON NAME	ROOT	SIZE	COMMENTS
			9.	
	AMERICAN HOLLY	B&B	7-8' HT	FULL, EXTRA HEAVY
IA	EASTERN RED-CEDAR	B&B	7-8' HT	FULL, EXTRA HEAVY

	TOTAL
SIZE DC	1.399 MW
SIZE AC	0.999 MW
INVERTER LOAD RATIO	1.40
MODULE TYPE	TRACKING TRINASOLAR TSM-540-DEG19C.20 (540W)
MODULE QUANTITY	2,590
INVERTER	SUNGROW SG125HV 125KW
INVERTER QUANTITY	8
UTILITY	EVERSOURCE



GENERAL NOTES

- 1. REFER TO THE EXISTING CONDITIONS MAP FOR THE ENTIRE PROPERTY BOUNDARY AND EXISTING CONDITIONS INFORMATION. THE PLAN HEREON DEPICTS A PORTION OF THE PROPERTY IN WHICH THE SITE WORK IS BEING PROPOSED.
- 2. THIS DRAWING IS INTENDED TO DESCRIBE GRADING AND DRAINAGE ONLY. REFER TO SITE PLAN FOR GENERAL INFORMATION, AND DETAIL SHEETS FOR DETAILS. 3. THE CONTRACTOR SHALL PRESERVE EXISTING VEGETATION WHERE POSSIBLE AND/OR AS
- NOTED ON DRAWINGS. REFER TO EROSION CONTROL PLAN FOR LIMIT OF DISTURBANCE AND EROSION CONTROL NOTES. 4. TOPSOIL SHALL BE STRIPPED AND STOCKPILED ON SITE FOR USE IN FINAL LANDSCAPINO
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY CONSTRUCTION PERMITS GOVERNMENT AND LOCA 'ONTRACTOR SHALL OBTAIN ALL NECESSARY CONSTRUCTION PERMI TOWN OI IANCHESTER REOUIRED TO PERFORM ALL WORK. ONNECTIONS TO EXISTING UTILITIES. THE CONTRACTOR SHALL POST ALL BONDS, PAY ALL FEES PROVIDE PROOF OF INSURANCE AND PROVIDE TRAFFIC CONTROL NECESSARY WORK.
- 5. ALL DISTURBANCE INCURRED TO TOWN OR STATE PROPERTY DUE TO CONSTRUCTION SHALL BE RESTORED TO ITS PREVIOUS CONDITION OR BETTER, TO THE SATISFACTION OF THE TOWN OF BETHANY AUTHORITY
- 7. IF IMPACTED OR CONTAMINATED SOIL IS ENCOUNTERED BY CONTRACTOR SHALL SUSPEND EXCAVATION WORK OF IMPACTED SOIL . OWNER AND/OR OWNER'S ENVIRONMENTAL CONSULTANT PRIOR TO PROCEEDING WITH FURTHER WORK IN THE IMPACTED SOIL LOCATION UNTIL FURTHER INSTRUCTED BY THE OWNER AND/OR OWNER'S ENVIRONMENTAL CONSULTANT.
- NCES AND ARE APPROXIMATE. D WITH ERNMX-147 WITHIN THE ARRAY AREA. INE AND IN NON-ARRAY AREAS.



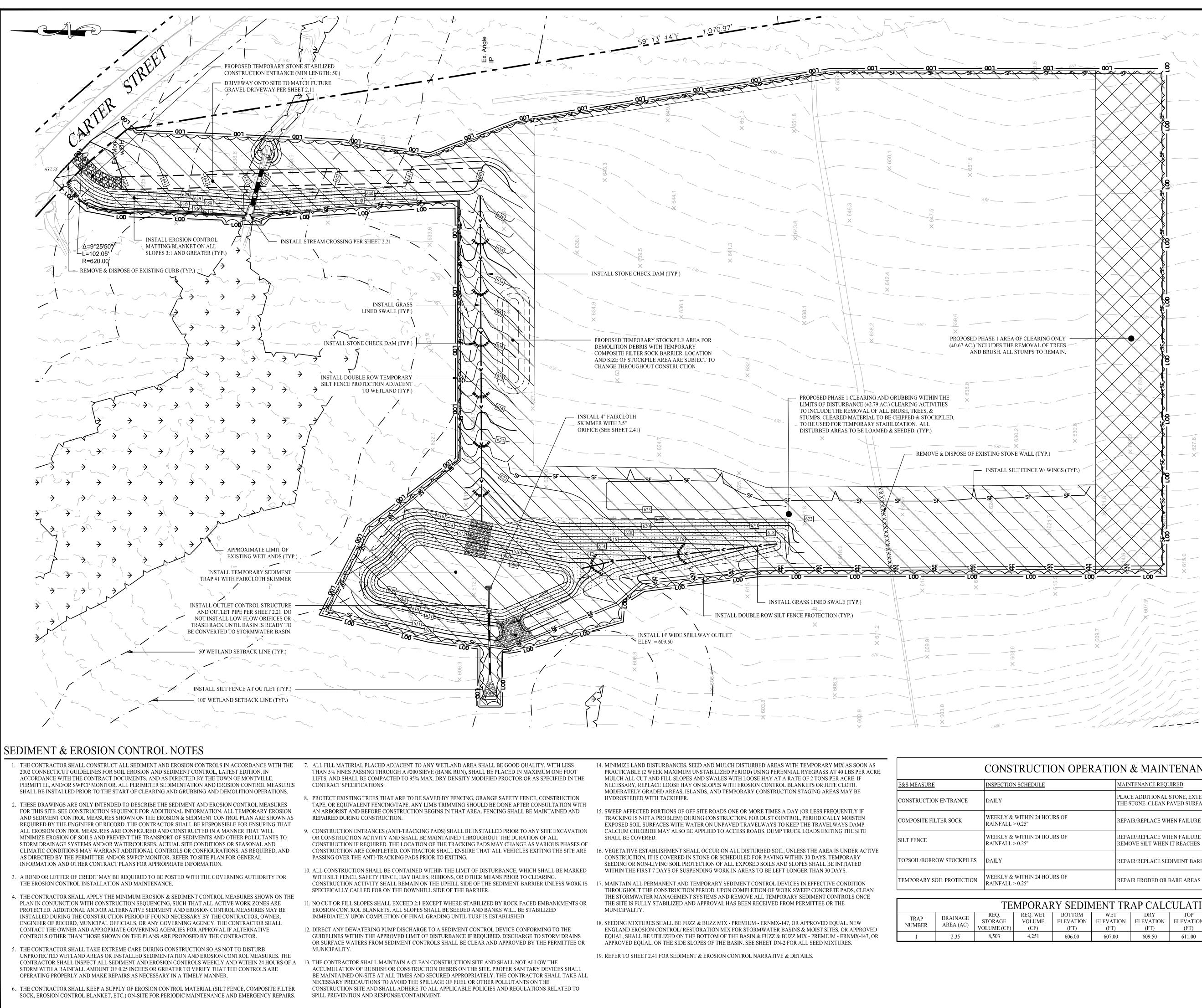
JTLET CONTROL STRUCTURE

ARED END SECTION

RMANENT WETLAND DISTURBANCE AREA

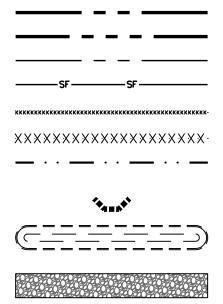
9.	ALL PIPE LENGTHS ARE HORIZON ALL DISTURBED AREAS TO BI ERNMX-610 WILL BE USED OUTSI	E RESEEDED	WITH ERNMX-
	EGEND	DETEROLER	
	420		PERTY LINE
	421		OR CONTOURS
		EXIS	TING MAJOR CO
		EXIS	TING MINOR CO
	× 568.85		POSED SPOT ELE
	× ^{568.85}		TING SPOT ELEV RM DRAIN PIPE
			AP SPILLWAY
			LET CONTROL S RED END SECTIO
		LEVE	EL SPREADER
		PERN	ANENT WETLA
640			
634.5			
		Rev. #: 1	Date
615.0		raphic Scale:	
LOD		40	0
			\mathbf{D}
			ENG
			Monroe, CT 06468 e, Norwood, MA 020
	D	rawn By:	AWC
//////r==		hecked By:	CJB
///////////////////////////////////////		pproved By:	KMS
		roject #:	23100101
	Pl	lan Date:	01/15/24
	So	cale:	1'' = 40'
	Рі	roject:	
		PR	OPOS]
	₁		
	1	TUN	OVOL
			250 CART
		MAN	ICHESTER
	Sł	heet Title:	
			ING &
			NAGE an
		<u>р</u> г	

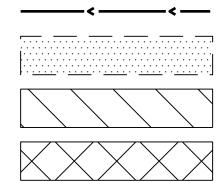
Rev. #: D	Date	Description
Graphic Scale:		
40	0	40 80
501 Main Street, M 11 Vanderbilt Ave	Aonroe, CT 06468 , Norwood, MA 0206	DIIII F: (203) 880-5455 T: (203) 880-5455 F: (203) 880-9695 F: (203) 880-9695 F: (203) 880-9695
Drawn By:	AWC	
Checked By:	СЈВ	MARY LEWIS M. SOCIAL
Approved By:	KMS	0
Project #:	23100101	25759 075 CENSE
Plan Date:	01/15/24	Way SIONAL EN INT
Scale:	1" = 40'	Kevin Solli, P.E. CT 25759
Project:		
PR	OPOSE	ED SOLAR
		TAIC ARRAY
		TAIC ANNA I ER STREET
MAN		, CONNECTICUT
Sheet Title:		Sheet #:
GRAD	ING &	
DRAI	NAGE	2.21
PL	AN	



		CONS	TRUCTI	ON OPEH	RATI	ON	& MAIN	TENANC	CE PLAN	-	
E&S MEASURE		INSPECTION	N SCHEDULE			MAIN	ITENANCE REQU	JIRED			
CONSTRUCTIO	N ENTRANCE	DAILY				PLACE ADDITIONAL STONE, EXTEND THE LENGTH OR REMOVE AND REPLACE THE STONE. CLEAN PAVED SURFACES OF TRACKED SEDIMENT.			D REPLACE		
COMPOSITE FII	LTER SOCK	WEEKLY & WITHIN 24 HOURS OF RAINFALL > 0.25"		REPAIR/REPLACE WHEN FAILURE OR DETERIORATION IS OBSERVED.			D.				
SILT FENCE			WEEKLY & WITHIN 24 HOURS OF RAINFALL > 0.25"		REPAIR/REPLACE WHEN FAILURE OR DETERIORATION IS OBSERVED. REMOVE SILT WHEN IT REACHES 1/2 THE HEIGHT OF THE FENCE.			D.			
TOPSOIL/BORR	OW STOCKPILE	S DAILY	DAILY			REPAIR/REPLACE SEDIMENT BARRIERS AS NECESSARY.					
TEMPORARY S	OIL PROTECTIO	WEEKLY & WITHIN 24 HOURS OF RAINFALL > 0.25"		REPAIR ERODED OR BARE AREAS IMMEDIATELY. RESEED AND MULCH.			LCH.				
		TE	MPORAF	RY SEDIN	MENT	TR	AP CALO	CULATIO	NS		
TRAP NUMBER	DRAINAGE AREA (AC)	REQ. STORAGE VOLUME (CF)	REQ. WET VOLUME (CF)	BOTTOM ELEVATION (FT)	WE ELEVA (FT	TION	DRY ELEVATION (FT)	TOP ELEVATION (FT)	WET VOL PROVIDED (CF)	DRY VOLUME PROVIDED (CF)	TOTAL VOLUME PROVIDED (CF)
1	2.35	8,503	4,251	606.00	607.0	00	609.50	611.00	6,679	22,455	29,134

LEGEND





PROPERTY LINE **RIGHT-OF-WAY LINE** ADJOINING LOT LINE SILT FENCE PROTECTION CURB REMOVAL FENCE / ROCK WALL REMOVAL

TEMPORARY SEDIMENT TRAP / BASIN

STONE CHECK DAM

MATERIAL STOCKPILE AREA

CONSTRUCTION ENTRANCE

DIVERSION SWALE/BERM

EROSION CONTROL MATTING

PHASE 1 CLEARING AND GRUBBING

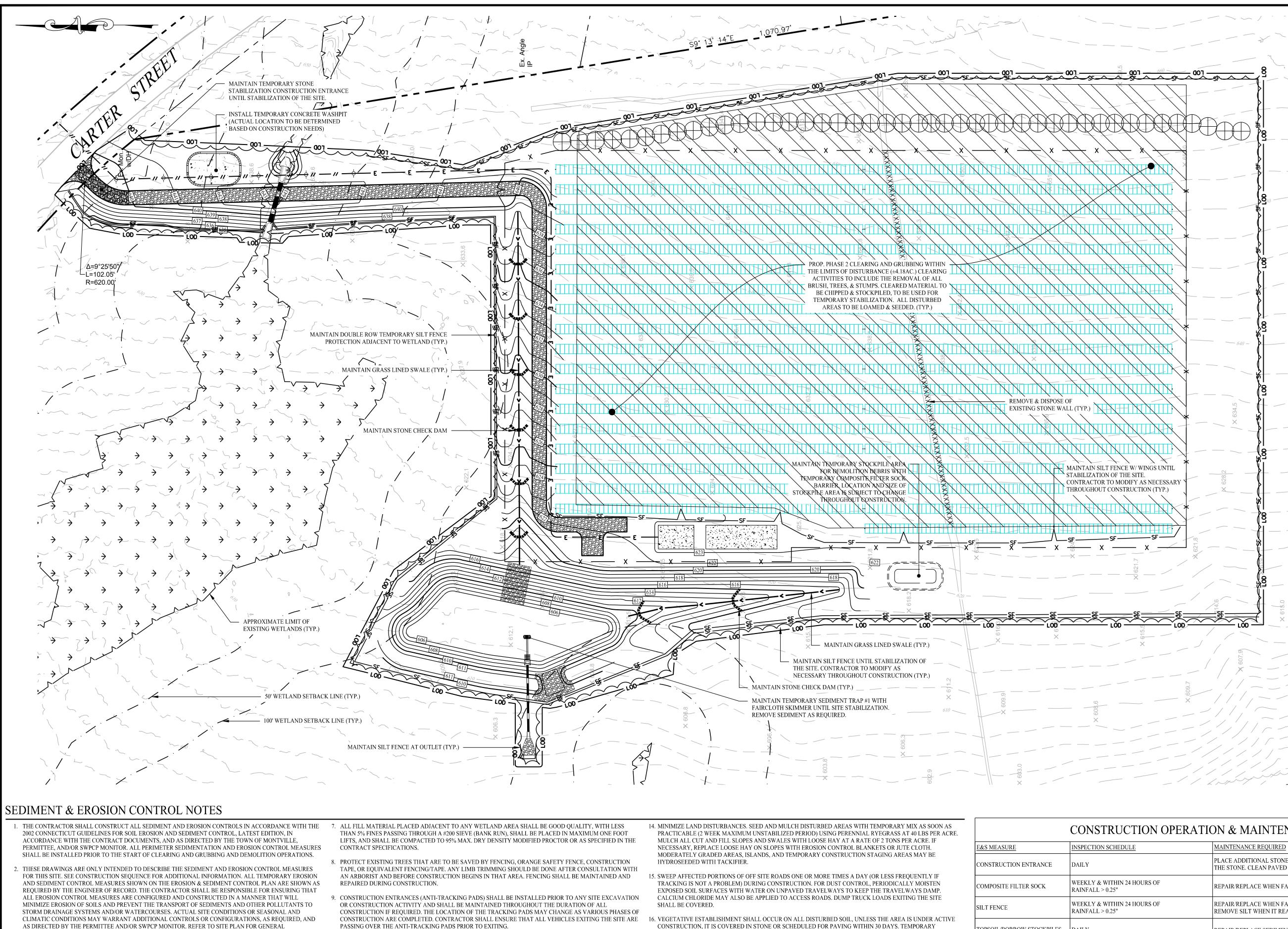
PHASE 1 CLEARING ONLY (STUMPS TO REMAIN)

CONSTRUCTION SEQUENCE (PHASE I)

THE FOLLOWING SUGGESTED SEQUENCE OF CONSTRUCTION ACTIVITIES IS PROJECTED BASED UPON ENGINEERING JUDGEMENT AND BEST MANAGEMENT PRACTICES. THE CONTRACTOR MAY ELECT TO LTER THE SEQUENCING TO BEST MEET THE CONSTRUCTION SCHEDULE. THE EXISTING SITE ACTIVITIES AND WEATHER CONDITIONS. SHOULD THE CONTRACTOR ALTER THE CONSTRUCTION SEQUENCE OR ANY EROSION AND SEDIMENTATION CONTROL MEASURES THEY SHALL MODIFY THE STORMWATER POLLUTION CONTROL PLAN ("SWPCP") AS REOUIRED BY THE GENERAL PERMIT. MAJOR CHANGES IN SEQUENCING AND/OR METHODS MAY REQUIRE REGULATORY APPROVAL PRIOR TO IMPLEMENTATION.

- THE CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING. PHYSICALLY FLAG THE LIMITS OF DISTURBANCE IN THE FIELD AS NECESSARY TO FACILITATE THE PRE-CONSTRUCTION MEETING.
- CONDUCT A PRE-CONSTRUCTION MEETING TO DISCUSS THE PROPOSED WORK AND EROSION AND SEDIMENTATION CONTROL MEASURES. THE MEETING SHOULD BE ATTENDED BY TH OWNER, THE OWNER'S REPRESENTATIVE(S), THE GENERAL CONTRACTOR, DESIGNATED SUB-CONTRACTORS AND THE PERSON, OR PERSONS, RESPONSIBLE FOR THE IMPLEMENTATION OPERATION. MONITORING AND MAINTENANCE OF THE EROSION AND SEDIMENTATION MEASURES. THE CONSTRUCTION PROCEDURES FOR THE ENTIRE PROJECT SHALL BE REVIEWED AT THIS MEETING.
- NOTIFY CALL BEFORE YOU DIG AT 811, AS REOUIRED, PRIOR TO THE START OF CONSTRUCTION. REMOVE EXISTING IMPEDIMENTS AS NECESSARY AND PROVIDE MINIMAL DISTURBANCE TO INSTALL THE REOUIRED CONSTRUCTION ENTRANCE.
- INSTALL STREAM CROSSING & ACCESS DRIVE.
- INSTALL SILT FENCE / PERIMETER SEC MEASURES AS PROPOSED (CLEAR ONLY THOSE AREAS NECESSARY TO INSTALL SEC MEASURES). PREPARE TEMPORARY PARKING AND STORAGE AREAS. ESTABLISH MATERIAL STOCKPILE AREA
- AND INSTALL SEC BARRIER SURROUNDING PILE. COMPLETE PHASE 1 CLEARING & GRUBBING FOR INSTALLATION OF SEDIMENT TRAP AND GRASS LINED SWALES PER DESIGN PLANS. STABILIZE OPEN SOILS WITH SPECIFIED SEED MIXES.

Rev. #:	Date	Description
Graphic Scale:	0	(0
60	0	60 120
	SC ENG Monroe, CT 06468 e, Norwood, MA 020	DIIII Fill Fil
Drawn By:	SFU	MUMU MANAMAN MANAMAN
Checked By:	AWC	ALL MA M. SO LINE
Approved By:	KMS	
Project #:	23100101	25759 44 - CENSE
Plan Date:	01/15/24	Kevin Solli, P.E.
Scale:	1'' = 60'	CT 25759
Project:		
PR	OPOSI	ED SOLAR
РНОТ	OVOL	TAIC ARRAY
		ER STREET
MAN	ICHESTER	, CONNECTICUT
Sheet Title:		Sheet #:
	OSION &	
	MENT DL PLAN	2.31
	SE 1	



A BOND OR LETTER OF CREDIT MAY BE REQUIRED TO BE POSTED WITH THE GOVERNING AUTHORITY FOR THE EROSION CONTROL INSTALLATION AND MAINTENANCE.

INFORMATION AND OTHER CONTRACT PLANS FOR APPROPRIATE INFORMATION.

- THE CONTRACTOR SHALL APPLY THE MINIMUM EROSION & SEDIMENT CONTROL MEASURES SHOWN ON THE PLAN IN CONJUNCTION WITH CONSTRUCTION SEQUENCING, SUCH THAT ALL ACTIVE WORK ZONES ARE PROTECTED. ADDITIONAL AND/OR ALTERNATIVE SEDIMENT AND EROSION CONTROL MEASURES MAY BE INSTALLED DURING THE CONSTRUCTION PERIOD IF FOUND NECESSARY BY THE CONTRACTOR, OWNER, ENGINEER OF RECORD, MUNICIPAL OFFICIALS, OR ANY GOVERNING AGENCY. THE CONTRACTOR SHALL CONTACT THE OWNER AND APPROPRIATE GOVERNING AGENCIES FOR APPROVAL IF ALTERNATIVE CONTROLS OTHER THAN THOSE SHOWN ON THE PLANS ARE PROPOSED BY THE CONTRACTOR.
- THE CONTRACTOR SHALL TAKE EXTREME CARE DURING CONSTRUCTION SO AS NOT TO DISTURB UNPROTECTED WETLAND AREAS OR INSTALLED SEDIMENTATION AND EROSION CONTROL MEASURES. THE CONTRACTOR SHALL INSPECT ALL SEDIMENT AND EROSION CONTROLS WEEKLY AND WITHIN 24 HOURS OF A 13. THE CONTRACTOR SHALL MAINTAIN A CLEAN CONSTRUCTION SITE AND SHALL NOT ALLOW THE STORM WITH A RAINFALL AMOUNT OF 0.25 INCHES OR GREATER TO VERIFY THAT THE CONTROLS ARE OPERATING PROPERLY AND MAKE REPAIRS AS NECESSARY IN A TIMELY MANNER.
- . THE CONTRACTOR SHALL KEEP A SUPPLY OF EROSION CONTROL MATERIAL (SILT FENCE, COMPOSITE FILTER SOCK, EROSION CONTROL BLANKET, ETC.) ON-SITE FOR PERIODIC MAINTENANCE AND EMERGENCY REPAIRS.

- PASSING OVER THE ANTI-TRACKING PADS PRIOR TO EXITING.
- 10. ALL CONSTRUCTION SHALL BE CONTAINED WITHIN THE LIMIT OF DISTURBANCE, WHICH SHALL BE MARKED WITH SILT FENCE, SAFETY FENCE, HAY BALES, RIBBONS, OR OTHER MEANS PRIOR TO CLEARING. CONSTRUCTION ACTIVITY SHALL REMAIN ON THE UPHILL SIDE OF THE SEDIMENT BARRIER UNLESS WORK IS SPECIFICALLY CALLED FOR ON THE DOWNHILL SIDE OF THE BARRIER.
- 11. NO CUT OR FILL SLOPES SHALL EXCEED 2:1 EXCEPT WHERE STABILIZED BY ROCK FACED EMBANKMENTS OR EROSION CONTROL BLANKETS. ALL SLOPES SHALL BE SEEDED AND BANKS WILL BE STABILIZED IMMEDIATELY UPON COMPLETION OF FINAL GRADING UNTIL TURF IS ESTABLISHED.
- 12. DIRECT ANY DEWATERING PUMP DISCHARGE TO A SEDIMENT CONTROL DEVICE CONFORMING TO THE GUIDELINES WITHIN THE APPROVED LIMIT OF DISTURBANCE IF REQUIRED. DISCHARGE TO STORM DRAINS OR SURFACE WATERS FROM SEDIMENT CONTROLS SHALL BE CLEAR AND APPROVED BY THE PERMITTEE OR MUNICIPALITY.
- ACCUMULATION OF RUBBISH OR CONSTRUCTION DEBRIS ON THE SITE. PROPER SANITARY DEVICES SHALL BE MAINTAINED ON-SITE AT ALL TIMES AND SECURED APPROPRIATELY. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID THE SPILLAGE OF FUEL OR OTHER POLLUTANTS ON THE CONSTRUCTION SITE AND SHALL ADHERE TO ALL APPLICABLE POLICIES AND REGULATIONS RELATED TO SPILL PREVENTION AND RESPONSE/CONTAINMENT.

CONSTRUCTION, IT IS COVERED IN STONE OR SCHEDULED FOR PAVING WITHIN 30 DAYS. TEMPORARY SEEDING OR NON-LIVING SOIL PROTECTION OF ALL EXPOSED SOILS AND SLOPES SHALL BE INITIATED WITHIN THE FIRST 7 DAYS OF SUSPENDING WORK IN AREAS TO BE LEFT LONGER THAN 30 DAYS.

7. MAINTAIN ALL PERMANENT AND TEMPORARY SEDIMENT CONTROL DEVICES IN EFFECTIVE CONDITION THROUGHOUT THE CONSTRUCTION PERIOD. UPON COMPLETION OF WORK SWEEP CONCRETE PADS, CLEAN THE STORMWATER MANAGEMENT SYSTEMS AND REMOVE ALL TEMPORARY SEDIMENT CONTROLS ONCE THE SITE IS FULLY STABILIZED AND APPROVAL HAS BEEN RECEIVED FROM PERMITTEE OR THE MUNICIPALITY.

18. SEEDING MIXTURES SHALL BE FUZZ & BUZZ MIX - PREMIUM - ERNMX-147, OR APPROVED EQUAL. NEW ENGLAND EROSION CONTROL/ RESTORATION MIX FOR STORMWATER BASINS & MOIST SITES, OR APPROVED EQUAL, SHALL BE UTILIZED ON THE BOTTOM OF THE BASIN & FUZZ & BUZZ MIX - PREMIUM - ERNMX-147, OR APPROVED EQUAL, ON THE SIDE SLOPES OF THE BASIN. SEE SHEET DN-2 FOR ALL SEED MIXTURES.

19. REFER TO SHEET 2.41 FOR SEDIMENT & EROSION CONTROL NARRATIVE & DETAILS.

CONSTRUCTION OPERATION & MAINTENANCE PLAN					
E&S MEASURE	INSPECTION SCHEDULE	MAINTENANCE REQUIRED			
CONSTRUCTION ENTRANCE	DAILY	PLACE ADDITIONAL STONE, EXTEND THE LENGTH OR REMOVE AND REPLACE THE STONE. CLEAN PAVED SURFACES OF TRACKED SEDIMENT.			
COMPOSITE FILTER SOCK	WEEKLY & WITHIN 24 HOURS OF RAINFALL > 0.25"	REPAIR/REPLACE WHEN FAILURE OR DETERIORATION IS OBSERVED.			
SILT FENCE	WEEKLY & WITHIN 24 HOURS OF RAINFALL > 0.25"	REPAIR/REPLACE WHEN FAILURE OR DETERIORATION IS OBSERVED. REMOVE SILT WHEN IT REACHES 1/2 THE HEIGHT OF THE FENCE.			
TOPSOIL/BORROW STOCKPILES	DAILY	REPAIR/REPLACE SEDIMENT BARRIERS AS NECESSARY.			
TEMPORARY SOIL PROTECTION	WEEKLY & WITHIN 24 HOURS OF RAINFALL > 0.25"	REPAIR ERODED OR BARE AREAS IMMEDIATELY. RESEED AND MULCH.			

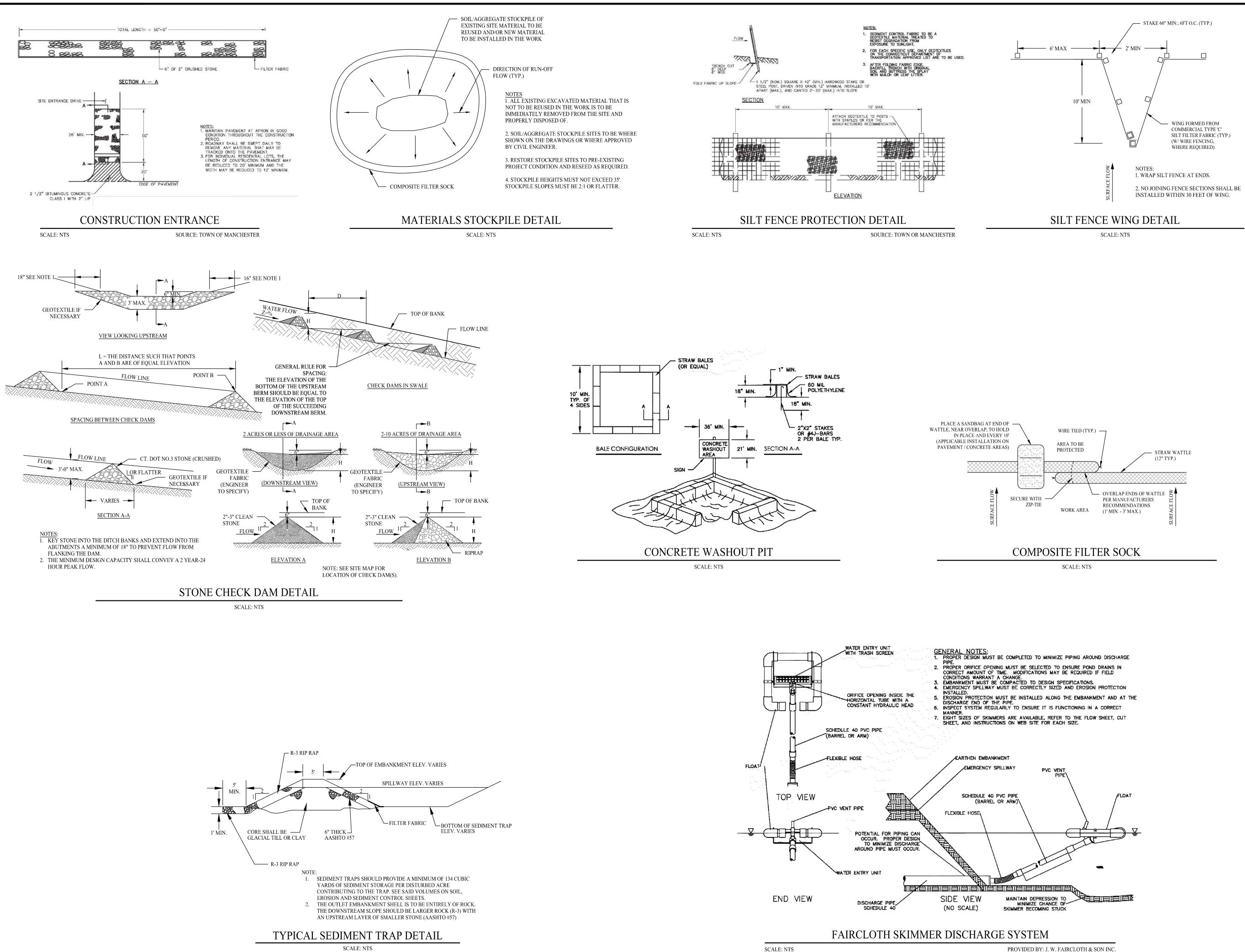
Rev. #: []	Date	Description		
Graphic Scale: 60	0	60	120	
	ISC ENG Monroe, CT 06468 e, Norwood, MA 02062		(203) 880-9695 (203) 880-9695	
Drawn By:	SFU			
Checked By:	AWC	TE M M.		
Approved By:	KMS			
Project #:	23100101	25759	Left C	
Plan Date:	01/15/24	Mining StonAL	ENGNINI	
Scale:	1'' = 60'	Kevin Sol CT 257		
Project:		-		
PR	OPOSE	ED SOLA	AR	
PROPOSED SOLAR				
PHOTOVOLTAIC ARRAY				
250 CARTER STREET				
MANCHESTER, CONNECTICUT				
Sheet Title:		Sheet #:		
SOIL ER				
SEDIMENT		2.3	2	
CONTRO)L PLAN			
PHA	SE 2			

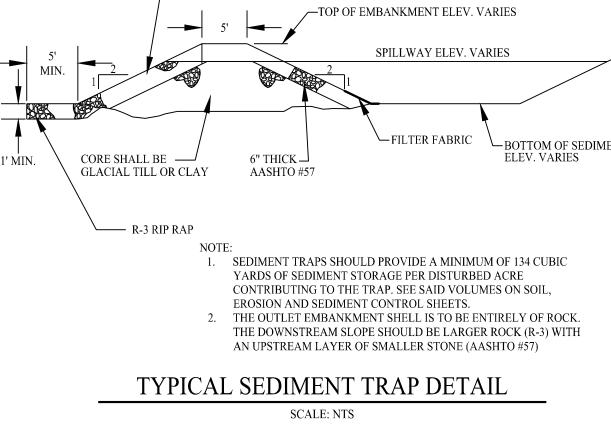
LEGEND	
	PROPERTY LINE
	RIGHT-OF-WAY LINE
	ADJOINING LOT LINE
SF SF	SILT FENCE PROTECTION
— x — x —	CONSTRUCTION FENCE
**********************	CURB REMOVAL
*****	FENCE / ROCK WALL REMOVAL
_ · · · _ · · _ · · _	TEMPORARY SEDIMENT TRAP / BASIN
***	STONE CHECK DAM
	MATERIAL STOCKPILE AREA
	CONSTRUCTION ENTRANCE
	CONCRETE WASHPIT
<<	CONCRETE WASHPIT DIVERSION SWALE/BERM

CONSTRUCTION SEQUENCE (PHASE II)

PHASE II:

- 1. TEMPORARILY SEED, THROUGHOUT CONSTRUCTION, DENUDED AREAS THAT WILL BE INACTIVE FOR 14 DAYS OR MORE. 2. ONCE SEDIMENT TRAP AND GRASS LINED SWALES ARE STABILIZED, COMPLETE PHASE 2
- CLEARING AND GRUBBING. STABILIZE OPEN SOILS WITH SPECIFIED SEED MIXES.
- INSTALL RACKING POSTS FOR SOLAR PANELS. INSTALL SOLAR PANELS AND COMPLETE ELECTRIC INSTALLATION
- COMPLETE REMAINING SITE WORK, INCLUDING CHAIN LINK FENCE, EQUIPMENTS PADS, AND
- JTERCONNECTION ROUTE. STABILIZE ALL DISTURBED AREAS THROUGHOUT CONSTRUCTION PERMANENTLY STABILIZE AREAS TO BE VEGETATED AS THEY ARE BROUGHT TO FINAL GRAD
- PER APPENDIX I (I)(1)(C)(iii): FOR SLOPES GREATER THAN OR EOUAL TO 8%, EROSION CONTROL BLANKETS OR STUMP GRINDINGS OR EROSION CONTROL MIX MULCH OR HYDROSEED WITH TACKIFER SHALL BE APPLIED WITHIN 72 HOURS OF FINAL GRADING, OR WHEN A RAINFALL OF 0.5 INCHES OR GREATER IS PREDICTED WITHIN 24 HOURS OF FINAL GRADING. WHICHEVER TIM PERIOD IS LESS.
- 8. CONVERT SEDIMENT TRAP TO PERMANENT STORMWATER BASIN. REMOVE ALL SEDIMENT AND REPAIR ALL BASIN BANKS AS REQUIRED. INSTALL LOW FLOW ORIFICES IN OUTLET CONTROL STRUCTURE.
- 9. REPAIR AND STABILIZE GRASS LINED SWALES AS REQUIRED
- 10. PREPARE SITE FOR FINAL GRADING. 11. FINE GRADE, RAKE, SEED, AND MULCH ALL REMAINING DISTURBED AREAS.
- 12. CONTRACTOR / CONSTRUCTION MANAGER TO COORDINATE WITH ENGINEER OF RECORD AND
- SOIL CONSERVATION DISTRICT AGENT TO OBTAIN STABILIZED SITE STATUS. 13. CONTINUE DAILY INSPECTION REPORTS UNTIL THE FINAL DAILY INSPECTION REPORT IS SIGNED BY THE CONSTRUCTION MANAGER AND SUBMITTED.

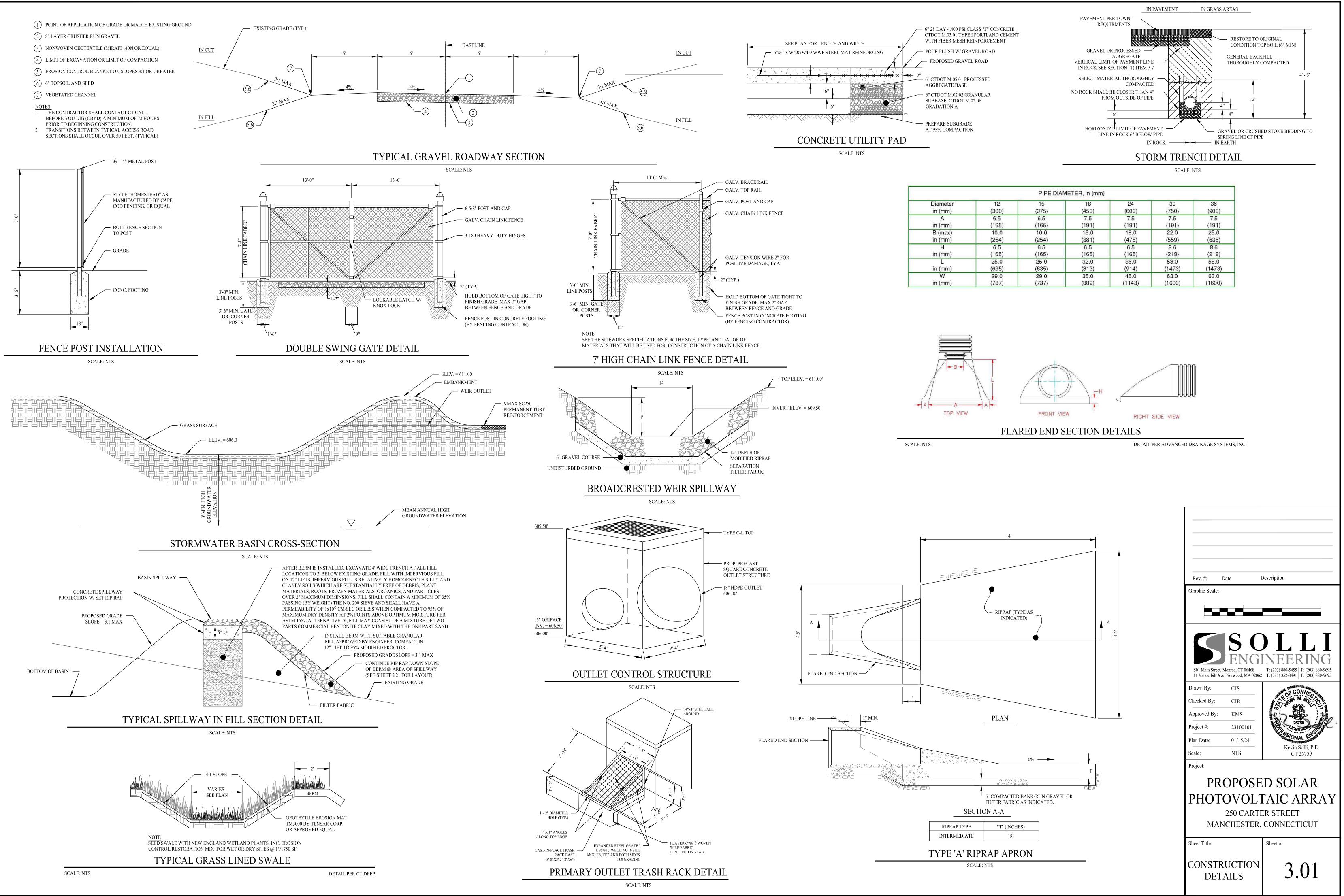




SEDIMENT & EROSION CONTROL NARRATIVE

- 1. THE PROJECT INVOLVES THE CONSTRUCTION OF A GROUND MOUNTED SOLAR PANEL FACILITY WITH ASSOCIATED EQUIPMENT, INCLUDING GRADING OF APPROXIMATELY 7.5 \pm ACRES OF EXISTING LOT.
- THE PROPOSED PROJECT INVOLVES THE FOLLOWING CONSTRUCTION:
- A. CLEARING, GRUBBING, AND GRADING OF EXISTING LOT. B. CONSTRUCTION OF 2,590 GROUND MOUNTED SOLAR PANELS AND ASSOCIATED
- EQUIPMENT. C. THE STABILIZATION OF DISTURBED AREAS WITH PERMANENT VEGETATIVE TREATMENTS.
- 2. FOR THIS PROJECT, THERE ARE APPROXIMATELY 7.5± ACRES OF THE SITE BEING DISTURBED WITH NEGLIGIBLE INCREASE IN THE IMPERVIOUS AREA OF THE SITE. IMPERVIOUS AREAS ARE LIMITED TO THE CONCRETE PADS FOR ELECTRICAL EQUIPMENT & GRAVEL ACCESS DRIVE.
- 3. THE PROJECT AREA, AS MAPPED IN THE SOIL SURVEY OF STATE OF CONNECTICUT (NRCS, VERSION 1, SEPTEMBER 30, 2023), CONTAINS TYPE 86C (HYDROLOGIC SOIL GROUP C), 46B & 46C (HYDROLOGIC SOIL GROUP CD) AND 2 (HYDROLOGIC SOIL GROUP D). A GEOTECHNICAL ENGINEERING REPORT IS SCHEDULED AND WILL BE PROVIDED UNDER SEPARATE COVER.
- 4. IT IS ANTICIPATED THAT CONSTRUCTION WILL BE COMPLETED IN APPROXIMATELY 4-6 MONTHS.
- REFER TO THE CONSTRUCTION SEQUENCING AND EROSION AND SEDIMENTATION NOTES FOR INFORMATION REGARDING SEQUENCING OF MAJOR OPERATIONS IN THE ON-SITE CONSTRUCTION PHASES.
- 6. STORMWATER MANAGEMENT DESIGN CRITERIA UTILIZES THE APPLICABLE SECTIONS OF THE 2004 CONNECTICUT STORMWATER QUALITY MANUAL AND THE TOWN OF MANCHESTER STANDARDS, TO THE EXTENT POSSIBLE AND PRACTICABLE FOR THIS PROJECT ON THIS SITE. EROSION AND SEDIMENTATION MEASURES ARE BASED UPON ENGINEERING PRACTICE JUDGEMENT AND THE APPLICABLE SECTIONS OF THE CONNECTICUT EROSION AND SEDIMENT CONTROL GUIDELINES FOR URBAN AND SUBURBAN AREAS, LATEST EDITION.
- 7. DETAILS FOR THE TYPICAL STORMWATER MANAGEMENT AND EROSION AND SEDIMENTATION MEASURES ARE SHOWN ON THE PLAN SHEETS OR PROVIDED AS SEPARATE SUPPORT DOCUMENTATION FOR REVIEW IN THIS PLAN.
- 8. CONSERVATION PRACTICES TO BE USED DURING CONSTRUCTION:
 - A. STAGED CONSTRUCTION; B. MINIMIZE THE DISTURBED AREAS TO THE EXTENT PRACTICABLE DURING
 - CONSTRUCTION; C. STABILIZE DISTURBED AREAS WITH TEMPORARY OR PERMANENT MEASURES AS SOON AS POSSIBLE, BUT NO LATER THAN 7-DAYS FOLLOWING DISTURBANCE;
 - MINIMIZE IMPERVIOUS AREAS; E. UTILIZE APPROPRIATE CONSTRUCTION EROSION AND SEDIMENTATION MEASURES.
- 9. THE FOLLOWING SEPARATE DOCUMENTS ARE TO BE CONSIDERED A PART OF THE EROSION AND SEDIMENTATION PLAN:
- A. STORMWATER MANAGEMENT REPORT, TO BE ISSUED AT A LATER DATE. B. SWPCP, TO BE ISSUED AT A LATER DATE.

Rev. #:	Date	Description
Graphic Scale:		
	IS (ENG	DLLI INEERING
	Monroe, CT 06468 re, Norwood, MA 020	T: (203) 880-5455 F: (203) 880-9695 F: (203) 880-9695 62 T: (781) 352-8491 F: (203) 880-9695
Drawn By:	AWC	WINNING FCONNECTION
Checked By:	CJB	
Approved By: Project #:	KMS	25759
Plan Date:	23100101	14 CENSE OF THE REPORT
Scale:	NTS	Kevin Solli, P.E. CT 25759
Project:		
PR PHOT	OVOL 250 CART	ED SOLAR TAIC ARRAY TER STREET A, CONNECTICUT
Sheet Title:		Sheet #:
SOIL EROSION		
& SEDIMENT CONTROL NOTES		$_{\rm s}$ 2.41
	TAILS	-



ENVIRONMENTAL NOTES - RESOURCE PROTECTION MEASURES

EASTERN BOX TURTLE PROTECTION PROGRAM

EASTERN BOX TURTLES ARE LISTED AS STATE "SPECIES OF SPECIAL CONCERN" BY THE CT DEEP. SPECIES CLASSIFIED AS "THREATENED" BY THE CT DEEP ARE NATIVE SPECIES THAT HAVE A NATURALLY RESTRICTED RANGE IN HABITAT IN THE STATE. ARE AT A LOW POPULATION LEVEL, ARE IN SUCH HIGH DEMAND BY HUMANS THAT ITS UNREGULATED TAKING WOULD BE DETRIMENTAL TO THE CONSERVATION OF ITS POPULATION, OR HAVE BEEN EXTIRPATED FROM THE STATE. EASTERN BOX TURTLES TYPICALLY INHABIT WELL-DRAINED FOREST BOTTOMLANDS AND OPEN DECIDUOUS FORESTS AND WILL UTILIZE A VARIETY OF OTHER EARLY SUCCESSIONAL HABITATS SUCH AS FIELD EDGES (AND OTHER EDGE HABITAT SUCH AS UTILITY CORRIDORS) AND THICKETS. THEY ALSO WILL UTILIZE WETLAND HABITATS SUCH AS MARSHES, BOGS, AND STREAMS AT VARIOUS TIMES DURING THEIR ACTIVE SEASON. EASTERN BOX TURTLES ARE ACTIVE BETWEEN APRIL 1 AND NOVEMBER 1; IN THE REMAINING MONTHS, THEY ARE DORMANT, IN A STATE OF BRUMATION A FEW INCHES UNDER THE GROUND SURFACE.

THE FOLLOWING IS A SUMMARY OF MEASURES REQUIRED BY THE CT DEEP AND TO BE USED BEFORE. DURING AND FOLLOWING CONSTRUCTION TO PROTECT EASTERN BOX TURTLES THAT MAY POTENTIALLY BE ENCOUNTERED AT THE SITE. ALL GROUND DISTURBANCE WORK ASSOCIATED WITH THE PROJECT MUST BE CONDUCTED BETWEEN APRIL 1 AND NOVEMBER 1, THE EASTERN BOX TURTLES' ACTIVE SEASON. IT IS RECOMMENDED MOWING NOT OCCUR DURING MAY 15 TO SEPTEMBER 15. IF MOWING IS TO OCCUR DURING THIS TIME FRAME, WHETHER PRE- OR POST-CONSTRUCTION, THE CT DEEP **RECOMMENDS THE FOLLOWING:**

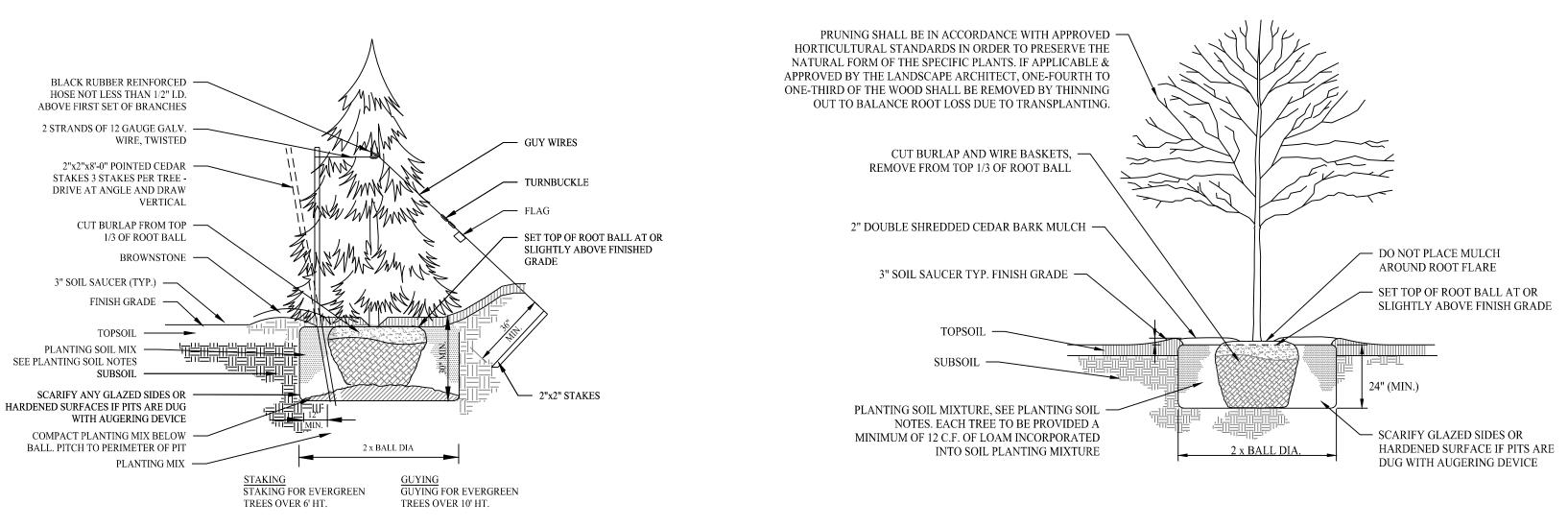
- PRE-CONSTRUCTION: • IN PREPARING THE SITE FOR DEVELOPMENT, EXCLUSIONARY FENCING THAT IS AT LEAST 20 INCHES TALL AND THAT IS SECURED AND KEYED INTO THE GROUND, MUST BE INSTALLED AROUND THE PERIMETER OF THE WORK AREA TO PREVENT TURTLE ACCESS TO THE SITE. THE WORK AREA INCLUDES ALL AREAS USED FOR SITE ACCESS, EQUIPMENT PARKING, MATERIAL STAGING, MATERIAL STORAGE, AND CONSTRUCTION PURPOSES. THE ENTRANCE TO THE SITE ALSO MUST BE CORDONED OFF WITH AN EXCLUSIONARY METHOD WHEN THE SITE IS NOT IN USE. THIS CAN BE ACCOMPLISHED WITH A ROW OF HAY BALES THAT CAN BE MOVED WHEN ACCESS TO THE SITE IS NEEDED. • IF MOWING NEEDS TO OCCUR BEFORE EXCLUSIONARY FENCE INSTALLATION WITHIN THE ACTIVE TURTLE TIMEFRAME, THE MOWING STYLE, MOWING HEIGHT, MOWING DIRECTIONALITY, MOWING SPEED, AND THE LOCATION OF NON-MOWING AREAS SHOULD BE AS FOLLOWS:
 - a. MOWING STYLE: AVOID FLAIL MOWER HEADS WITH GUIDE BARS THAT RIDE ALONG THE GROUND. SICKLE BAR MOWERS WILL HAVE THE LEAST IMPACT IF MOWING EVERY ONE TO FIVE YEARS. IN AREAS WITH MORE WOODY VEGETATION, A LESS THAN ONE TO TWO-INCH DIAMETER BRONTOSAURUS-STYLE MOWER WILL HAVE THE LEAST IMPACT ON TURTLES.
 - b. MOWING HEIGHT: THE RETENTION OF MOWING STUBBLE SEVEN TO TWELVE INCHES IN HEIGHT WILL REDUCE MORTALITY, REDUCE BLADE WEAR, AND WILL LEAVE IMPORTANT COVER FOR ANIMALS.
 - c. MOWING DIRECTIONALITY: START MOWING FROM THE CENTER OF THE FIELD AND USE A BACK-AND-FORTH APPROACH, OR LARGE CIRCULAR PATTERN TO AVOID CONCENTRATING FLEEING ANIMALS WHERE THEY MAY BE KILLED OR STRANDED. IN ADDITION, LEAVE AN UNMOWED 30-FOOT STRIP AROUND THE PERIMETER OF THE FIELD AND MOW THIS AREA LAST. MOST TURTLES ARE FOUND WITHIN THESE AREAS, AND THIS PROVIDES TIME FOR THEM TO REACT TO THE MOWING ACTIVITY AND MOVE OUT OF THE AREA. IF THE FIELD IS NEAR A STREAM. START MOWING THE SIDE FURTHEST FROM THE STREAM AND WORK TOWARDS THE STREAM. IF THE FIELD IS BORDERED BY WOODLAND, START MOWING THE SIDE FURTHEST FROM WOODLAND AND WORK TOWARDS WOODLAND. IF THE FIELD IS BORDERED BY A ROAD, START MOWING NEXT TO THE ROAD AND WORK YOUR WAY ACROSS THE FIELD.
 - d. MOWING SPEED: MOWING IN LOW GEAR OR AT SLOW SPEEDS WILL ALLOW TURTLES TO REACT AND MOVE OUT OF THE FIELD. e. NON-MOWING AREAS: LEAVE AN UNMOWED FIELD EDGE IN HIGH TURTLE-USE AREAS UNTIL AFTER SEPTEMBER 15.
- ONCE EXCLUSIONARY FENCING HAS BEEN INSTALLED SURROUNDING THE WORK AREA, A QUALIFIED INDIVIDUAL MUST SURVEY THE AREA TO DETERMINE IF THERE ARE ANY TURTLES WITHIN THE WORK AREA. IF TURTLES ARE IDENTIFIED, THEY ARE TO BE CAREFULLY MOVED TO AN AREA OUTSIDE OF THE WORK AREA IN A SAFE MANNER THAT WILL NOT HARM THEM. IF LISTED SPECIES OF TURTLES ARE IDENTIFIED, THE QUALIFIED INDIVIDUAL WILL DOCUMENT AND REPORT THESE FINDINGS TO THE CT DEEP IN THE MANNER IDENTIFIED WITHIN THE NDDB DETERMINATION LETTER. ONLY WHEN THE QUALIFIED INDIVIDUAL DETERMINES THAT NO TURTLES ARE WITHIN THE WORK AREA AND THAT THE SITE IS SECURE FROM TURTLES RE-ENTERING CAN CONSTRUCTION BEGIN.
- PRIOR TO COMMENCING ACTIVITY, A MEETING IS TO BE HELD WITH ALL CONSTRUCTION PERSONNEL WORKING WITHIN THE EXCLUSION AREA BY THE QUALIFIED INDIVIDUAL TO APPRAISE THEM OF THE SPECIES DESCRIPTION AND THEIR DUTIES IN REGARD TO MAINTAINING THE SECURITY OF THE SITE. SHOULD CONSTRUCTION PERSONNEL ENCOUNTER A TURTLE, THE QUALIFIED INDIVIDUAL WILL INSTRUCT PERSONNEL DURING THIS MEETING ON HOW TO CAREFULLY REMOVE THE TURTLE FROM THE SITE, HOW TO DOCUMENT THEIR FINDINGS AND TO REPORT IT TO THE OUALIFIED INDIVIDUAL FOR REPORTING TO THE CT DEEP.

MID-CONSTRUCTION:

- PRIOR TO THE START OF WORK ACTIVITY EACH DAY, THE EXCLUSIONARY FENCING IS TO BE INSPECTED BY CONSTRUCTION PERSONNEL AND ALL GAPS OR OPENINGS AT THE GROUND LEVEL IDENTIFIED SHOULD BE FIXED OR REPAIRED IMMEDIATELY TO PREVENT TURTLES ACCESS TO THE SITE. IF A BREACH IS IDENTIFIED, WORK SHALL HALT UNTIL THE QUALIFIED INDIVIDUAL SURVEYS THE SITE AND DETERMINES NO TURTLES ARE WITHIN THE WORK AREA.
- ALL HEAVY MACHINERY (ACTIVE OR PARKED) MUST BE WITHIN THE LIMITS OF THE EXCLUSIONARY ZONE OR ON PAVED SURFACES. NO MACHINERY IS TO BE PARKED IN ANY TURTLE HABITAT (I.E., THE AREA OUTSIDE OF THE EXCLUSIONARY ZONE).
- AT THE END OF EACH WORK DAY, THE EXCLUSIONARY MEASURES AT THE ENTRANCE TO THE WORK SITE MUST BE REIMPLEMENTED TO PREVENT TURTLES FROM ACCESSING THE SITE. IF THIS IS NOT DONE, THE EXCLUSIONARY ZONE IS CONSIDERED VOID AND A QUALIFIED INDIVIDUAL MUST RE-SURVEY THE SITE AND CONCLUDE THAT NO TURTLES ARE PRESENT WITHIN THE WORK AREA BEFORE CONSTRUCTION ACTIVITY CAN BEGIN AGAIN. CONSTRUCTION:
- AFTER COMPLETION OF THE PROJECT, EXCLUSIONARY FENCING SHALL BE REMOVED ONCE THE AREA IS STABILIZED TO ALLOW FOR REPTILE AND AMPHIBIAN PASSAGE TO RESUME. IF CORDONING OFF SEGMENTS OF THE WORKSITE TO BE COMPLETED IN SEPARATE PHASES, ONCE THESE AREAS ARE STABLE, ONLY THEN MAY EXCLUSIONARY FENCING BE REMOVED. ALL ACTIVE AREAS MUST REMAIN EXCLUSIONARY TO TURTLES.

IN ADDITION TO THESE MEASURES, THE CT DEEP RECOMMENDS THE FOLLOWING BE IMPLEMENTED INTO THE GENERAL SITE DESIGN FOR THE DEVELOPMENT TO INCREASE THE VALUE OF HABITAT FOR WILDLIFE AND STATE-LISTED SPECIES. • A SITE MANAGEMENT PLAN TO PROMOTE NATIVE VEGETATION GROWTH IN THE AREA UNDER THE SOLAR PANELS SHOULD BE CREATED.

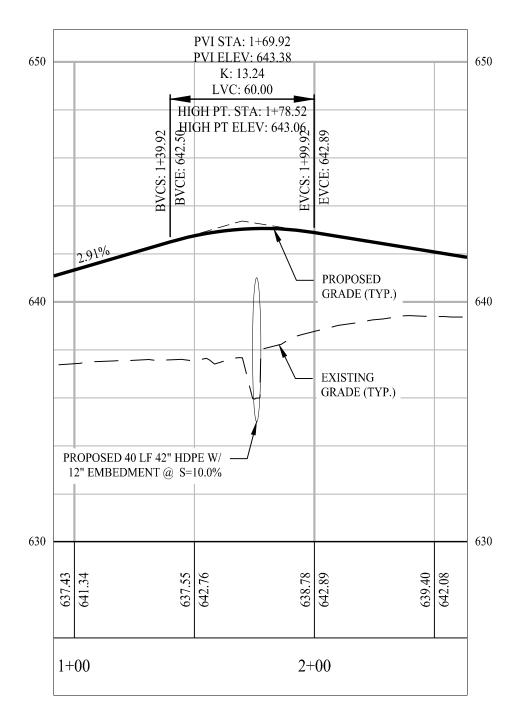
• USE WILDLIFE-FRIENDLY FENCING TO ALLOW WILDLIFE MOVEMENT TO AND FROM THE DEVELOPMENT. • DEVELOP A MANAGEMENT PLAN FOR AREAS OF THE PROPERTY WHERE DEVELOPMENT IS NOT OCCURRING AND/OR FOR WHEN SOLAR PANELS ARE DECOMMISSIONED THAT WILL SUPPORT STATE-LISTED SPECIES.



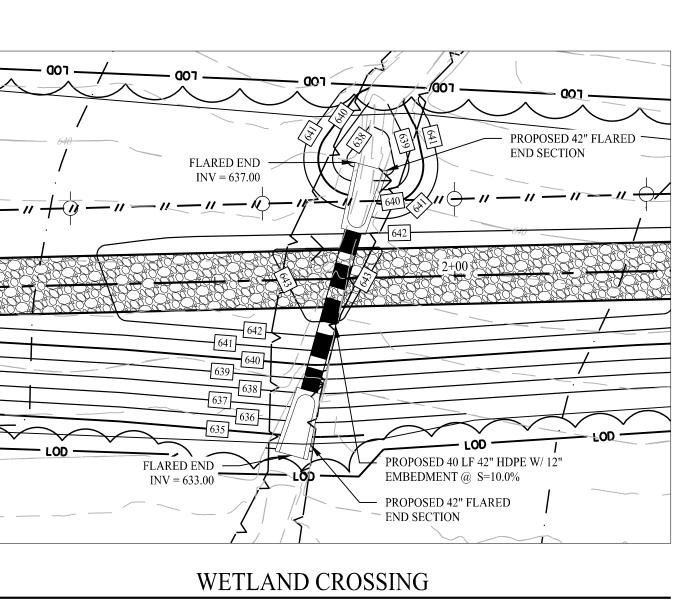
EVERGREEN TREE PLANTING

SCALE: NTS

SCALE: NTS



PARTIAL PROFILE AT WETLAND CROSSING HORIZONTAL SCALE: 1" = 40' VERTICAL SCALE : 1" = 4'





DECIDUOUS TREE PLANTING

Rev. #:	Date	Description
Graphic Scale:		
	Monroe, CT 06468 ve, Norwood, MA 020	DILI Fill Fill Fill Fill
Drawn By:	CJS	NUM E CONN
Checked By:	CJB	MATHON M. OCAM
Approved By:	KMS	6
Project #:	23100101	25759 //CENS
Plan Date:	01/15/24	Mingo/ONAL ENGININ
Scale:	NTS	Kevin Solli, P.E. CT 25759
Project:		1
חת		ED SOLAR
PHOT	OVOL	TAIC ARRAY
	250 CART	ER STREET
MA	NCHESTER	, CONNECTICUT
Sheet Title:		Sheet #:
ENVIRO	NMENTAI	2 0 2
NOTES &	DETAIL	3.02

TOWN OF MANCHESTER PLANNING AND ECONOMIC DEVELOPMENT DEPARTMENT

TO:	Planning & Zoning Commission	
FROM:	Megan Pilla, Principal Development Planner MP	
DATE:	February 16, 2024	
RE:	3 Squared, LLC – 14 North Main Street Special Exception (PSE-0058-2023) Erosion & Sedimentation Control Plan (ESC-0001-2024)	

Introduction

The applicant is requesting a special exception under Article II, Section 24.02.01(j) for a mixeduse multi-family development at 14 North Main Street, and certification of the accompanying erosion and sedimentation control plan. The parcel is located in the General Business zone (GB).

Project Description

The approximately 1.27-acre parcel, which was formerly occupied by a Bank of America branch and is currently vacant, is bounded by North Main Street to the north, Oakland Street to the east, and Old North Main Street to the south. The Community Y Recreation Center is directly adjacent to the west. Other adjacent uses include Robertson Park and Manchester Mazda across the street to the north, several commercial businesses on Oakland Street and Apel Place, and the train tracks to the south of Old North Main Street. Beyond the train tracks to the south are several residences with frontage on Woodbridge Street.

The applicant is proposing mixed-use redevelopment of the parcel. The existing bank building would be demolished to make way for new construction of an 11,600 sq. ft., L-shaped, three-story building. The attached floor plans show retail spaces on the first floor on the side of the building facing Oakland Street, with apartments occupying the first floor on the side of the building facing Old North Main Street. The second and third floors are entirely residential. A total of five (5) retail spaces and 33 residential units are proposed.

The exterior design of the proposed structure, as shown on the attached architectural elevations, includes a variety of façade treatments, including brick, stone, vinyl, and stucco, as well as diverse window treatments and varying roof lines.

The proposed site plan includes a parking lot with a primary entrance off of North Main Street and a second entrance off of Old North Main Street, as well as brick pedestrian pathways that connect to the existing sidewalks, seating areas, and landscaping.

Traffic & Parking

Vehicular access to the site is currently available from all three (3) of the surrounding streets via four (4) curb cuts, but the proposed redevelopment would limit vehicular access to two (2) curb cuts, one off of North Main Street and the other off of Old North Main Street, both providing two-way access to a 50-space parking lot. Some parallel parking would also be available on Old North Main Street. Within the parking lot is a dedicated loading area with a direct sidewalk connection to the building entrance, as well as an enclosed dumpster.

The attached traffic study prepared by KWH Enterprise indicates that the anticipated trip generation of the proposed development can be adequately accommodated by the surrounding road network.

In response to a question from Town staff, the project traffic engineer also reviewed crash data from when the bank branch was operational in relation to the road improvements that have since been made to North Main Street and the intersection of Oakland Street and Old North Main Street, and concluded that the implemented road improvements are expected to alleviate the history of crashes that previously occurred in the area of the bank branch entrance.

Utilities

The site is served by Town water and sanitary sewer, and the capacity of those systems is sufficient for the anticipated utility demand of the proposed development.

Stormwater

The parcel is relatively flat, and in the existing condition stormwater generally sheet flows toward the northeast corner of the site where it enters the municipal storm system through a series of catch basins.

The proposed development includes a variety of detention strategies (highlighted on sheet C2 of the attached plan set). A roof leader will direct stormwater from the building roof into an underground detention system, which will allow some infiltration before overflowing into the municipal storm system. Runoff from the southwest section of the parking lot will be directed toward the westernmost row of parking stalls, which are indicated to be surfaced with porous pavement, allowing for direct infiltration. The remainder of the parking lot will drain toward the north, where a stone infiltration trench will filter and attenuate the flow before it enters a rain garden. In the event of heavy rain, the rain garden also overflows into the storm system via a perforated underdrain.

Usable Recreation Area

In accordance with the regulations, the proposed development must include usable outdoor recreation areas, including some area reserved for use by the residents of the building as well as

some area that is open to the public. To meet this requirement, the plans show a total of 5,200 sq. ft. of usable outdoor space on the ground floor that is usable by all visitors to the site, as well as a 4,200 sq. ft. rooftop patio and garden that will be available only to residents (highlighted on sheet A4 of the attached floor plans).

Erosion and Sedimentation Controls

Proposed erosion and sedimentation controls (highlighted on sheet ES1 of the attached plan set) include silt fence along the entire perimeter of the site, inlet protection at all drainage structures, a stabilized construction entrance off of North Main Street, and a temporary soil stockpile area to be surrounded by hay bales and/or silt fence.

Inland Wetlands Permit

Because a portion of Lydall Brook is within 100 feet of the project site to the northeast, an inland wetlands permit is required. This permit can be approved administratively by the Inland Wetlands Agent because the project is entirely within the upland review area and there are no proposed impacts to the watercourse.

For the Commission's Consideration

The Commission should consider whether the proposal meets the special exception criteria outlined in <u>Art. IV, Sec. 20</u>.

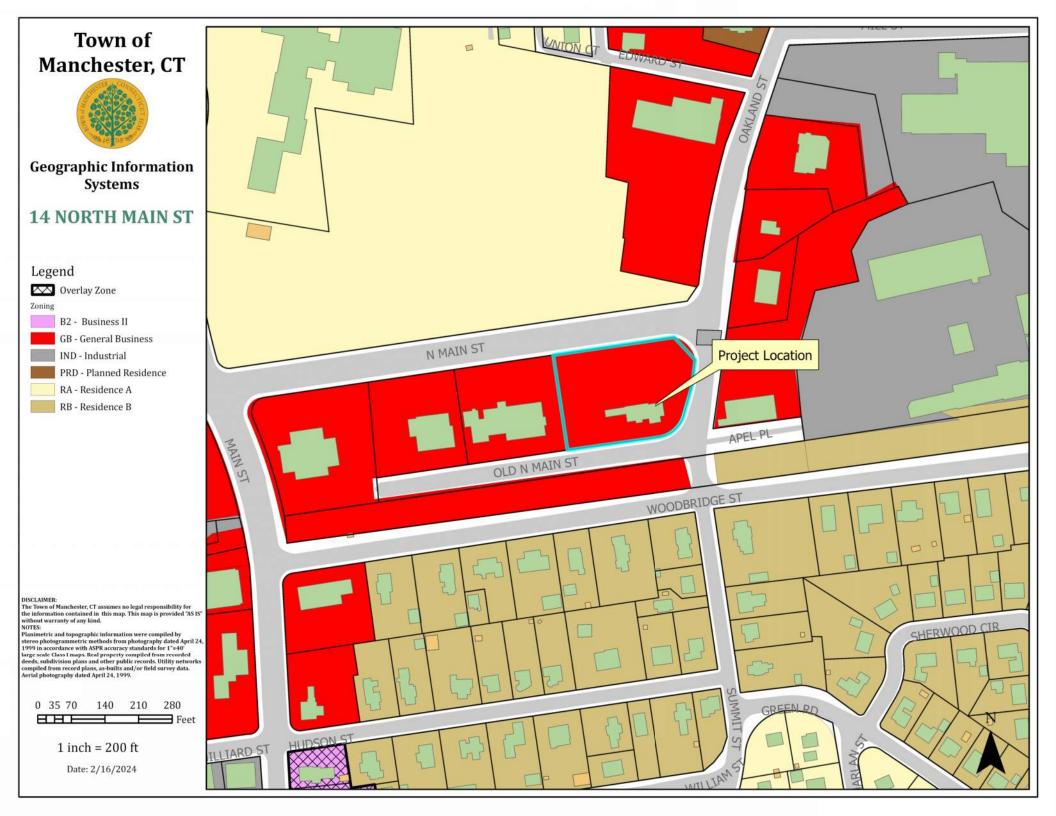
Staff Review

Town staff has reviewed the plans and documents submitted with the application and the status of any outstanding comments will be provided at the February 21, 2024 meeting.

Staff commends the inclusion of multiple low impact development techniques in the proposed plan, including:

- A section of porous pavement within the parking lot (10 parking stalls);
- An infiltration trench and rain garden in a highly visible location;
- An underground detention system to accommodate roof runoff;
- An effort to limit the total number of parking spaces to not exceed the minimum requirement; and
- A robust planting plan which includes not only native species, but also several fruitbearing species which would support local wildlife.

mp R:\Planning\PZC\2024\02 - February 21\Meeting Packet\PSE-0058-2023 (14 N Main) - Memo.docx Attach.



MANCHESTER PLANNING & ZONING COMMISSION

Applicant: **3 Squared, LLC**

Application: Special Exception Mixed Use Development under Article II, Section 24.02.01(j) of the Zoning Regulations

Location: 14 North Main Street

Date: December 28, 2023

Item: Application Narrative

The applicant has filed a Special Exception Use application for permission to develop a mixed-use multi-family development with some of the proposed residential units on the ground floor, but the majority located above proposed ground floor commercial uses. Development of the project will require demolition and removal from this 1.24 acre parcel of the existing structure on the property, formerly a branch bank.

In its place will be developed an 11,600 square foot, L-shaped, three-story structure of a village "Main Street" design, with storefronts on a portion of the ground floor, and varying brick, stone, vinyl, and stucco exteriors, diverse window treatments, and differing rooflines above. A rooftop patio and garden will top the structure. The types of dwelling units are also varied, with 10 studio units, 18 one-bedroom units, and 5 2-bedroom units, 5 of the total number of units accessible. Five retail spaces of varying sizes are also included on the first floor.

The required number of parking spaces for the varied on-site uses, fifty, including 2 handicap spaces, are provided as set forth in the site plans. 9,400 square feet of open space recreational area is also incorporated into the plans. Public water and sewer will serve the site.

Access to and from both North Main Street and Old North Main Street is provided. A traffic study is included in the application package and states that, as to the proposed 33 residential units and 4,250 square feet of retail floor space, "based on trip generation and recent-year traffic counts collected by CTDOT for the adjacent North Main Street (Route 83) and Oakland Street, it can be concluded that both roadways have more than enough spare capacity to adequately accommodate the limited increases in vehicular trips from the development".

COLE

Utility Statement

Site: 14 Noth Main Street, Manchester

Usage: Residential & Commercial Units

The proposed site is to be developed with a combination of retail and residential units. There will be 4,250 square feet of retail space, 28 studio/one-bedroom units and 5 two-bedroom units.

Based on water usage outline in the Technical Standards of the Public Health Code, the following water usage is anticipated.

Retail 0.1 gallons per square foot / day

Residential 150 gallons per bedroom / day

For the proposed combined use, the following daily water usage has been calculated.

Retail 4,250 SF x 0.1 gal / SF / day = 425 gallons

Studio & One-Bedroo	m Residential Units	28 units x 150 gallons = 4,200 gallons	

Two-Bedroom Residential Units5 units x 2 bedrooms/unit x 150 gallons = 1,500 gallons

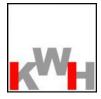
Daily Water Usage425 gallons + 4,200 gallons + 1,500 gallons = 6,125 gallons

Peaking Factor = 3.0

Total Peak Design Flow 6,125 gallons x 3.0 = <u>18,385 gallons per day</u>

Sewer use should be consistent with estimated water usage.

cole civil + survey 876 south main street / plantsville, ct colecivil.com / 860.628.4484



December 26, 2023

Roy Evjen Evjen Agency 100 Center Street Southington CT 06489

Reference: 14 North Main Street, Manchester, Connecticut

Dear Mr. Evjen:

Thank you for asking me to review the site trips, traffic impact, and roadway accident records for the proposed residential and retail development at 14 North Main Street in Manchester, Connecticut.

The development will include 33 residential units and a total retail floor space of 4,250 SF. Table 1 shows that the site is estimated to generate 23, 45, and 42 peak-hour trips during the respective weekday morning, weekday afternoon, and Saturday midday peak hours. The trip estimates were based on data from ITE (Institute of Transportation Engineers) *Trip Generation Manual, 11th Edition*.

Based on this trip generation and recent-year traffic counts collected by CTDOT for the adjacent North Main Street (Route 83) and Oakland Street, it can be concluded that both roadways have more than enough spare capacity to adequately accommodate the limited increases in vehicular trips from the development.

Table 1 Trip Generation

Multifamily Housing (Low-Rise) Not Clo	se to Rail Transit	(ITE LU 220) (33 L	Jnits)
	Entry	Exit	Entry & Exit
Weekday AM Peak Hour of Adjacent Street	3	10	13
Weekday Afternoon Peak Hour of Adjacent Street	11	6	17
Saturday Midday Peak Hour of Adjacent Street	7	7	14

Strip Retail Plaza (<40k) (ITE LU 822) (4,2	250 SF)	
	Entry	Exit	Entry & Exit
Weekday AM Peak Hour of Adjacent Street	6	4	10
Weekday PM Peak Hour of Adjacent Street	14	14	28
Saturday Midday Peak Hour of Adjacent Street	14	14	28

Тс	otal		
	Entry	Exit	Entry & Exit
Weekday AM Peak Hour of Adjacent Street	9	14	23
Weekday PM Peak Hour of Adjacent Street	25	20	45
Saturday Midday Peak Hour of Adjacent Street	21	21	42



Page 2 of 3

Reference: 14 North Main Street, Manchester, Connecticut

I also reviewed the traffic accident records for the segment of Route 83 and Oakland Street near the development site during 2020-2022. The records are summarized in Table 2. Four accidents were recorded for Oakland Street, and 31 accidents were recorded for the four-lane Route 83.

Based on the numbers and locations of the accidents over the three-year period and the accident categories in the table, no abnormal accident patterns were identified from these records. Because the development traffic will be adequately accommodated by the existing roadways and intersections, it is not expected to adversely affect the safety conditions of the adjacent roadways.

Location	Route 83 (North Main Street) between Main Street and Oakland Street (Mile 8.88 to 9.06)	Oakland Street between Old North Main Street and North Main Street
Year		
2020	15	1
2021	12	3
2022	4	
Total	31	4
Accident Severity		
Fatality	0	
Injury (No Fatality)	6	1
Property Damage Only	25	3
Total	31	4
Type of Collision		
Sideswipe-Same Direction	2	
Sideswipe-Opposite Direction	1	
Angle	10	
Front to Rear	15	3
Front to Front	1	
Backing		1
Pedestrian	1	
Other	1	
Total	31	4

Table 2 Traffic Accident Summary

Source: Connecticut Crash Data Repository

In summary, it is my professional opinion that the area roadways have more than enough spare capacity to safely and adequately accommodate the limited increases in the vehicular trips from this residential and retail development.



Page 3 of 3

Reference: 14 North Main Street, Manchester, Connecticut

I appreciate the opportunity to prepare this letter. Should you have any questions or need additional information, please feel free to contact me.

Sincerely,

KWH Enterprise, LLC

Kermit Hua

Kermit Hua, PE, PTOE Principal kermit.hua@kwhenterprise.com Cell: (203) 606-3525



Land Use: 220 Multifamily Housing (Low-Rise)

Description

Low-rise multifamily housing includes apartments, townhouses, and condominiums located within the same building with at least three other dwelling units and that have two or three floors (levels). Various configurations fit this description, including walkup apartment, mansion apartment, and stacked townhouse.

- A walkup apartment typically is two or three floors in height with dwelling units that are accessed by a single or multiple entrances with stairways and hallways.
- A mansion apartment is a single structure that contains several apartments within what appears to be a single-family dwelling unit.
- A fourplex is a single two-story structure with two matching dwelling units on the ground and second floors. Access to the individual units is typically internal to the structure and provided through a central entry and stairway.
- A stacked townhouse is designed to match the external appearance of a townhouse. But, unlike a townhouse dwelling unit that only shares walls with an adjoining unit, the stacked townhouse units share both floors and walls. Access to the individual units is typically internal to the structure and provided through a central entry and stairway.

Multifamily housing (mid-rise) (Land Use 221), multifamily housing (high-rise) (Land Use 222), affordable housing (Land Use 223), and off-campus student apartment (low-rise) (Land Use 225) are related land uses.

Land Use Subcategory

Data are presented for two subcategories for this land use: (1) not close to rail transit and (2) close to rail transit. A site is considered close to rail transit if the walking distance between the residential site entrance and the closest rail transit station entrance is ½ mile or less.

Additional Data

For the three sites for which both the number of residents and the number of occupied dwelling units were available, there were an average of 2.72 residents per occupied dwelling unit.

For the two sites for which the numbers of both total dwelling units and occupied dwelling units were available, an average of 96.2 percent of the total dwelling units were occupied.

The technical appendices provide supporting information on time-of-day distributions for this land use. The appendices can be accessed through either the ITETripGen web app or the trip



generation resource page on the ITE website (https://www.ite.org/technical-resources/topics/tripand-parking-generation/).

For the three sites for which data were provided for both occupied dwelling units and residents, there was an average of 2.72 residents per occupied dwelling unit.

It is expected that the number of bedrooms and number of residents are likely correlated to the trips generated by a residential site. To assist in future analysis, trip generation studies of all multifamily housing should attempt to obtain information on occupancy rate and on the mix of residential unit sizes (i.e., number of units by number of bedrooms at the site complex).

The sites were surveyed in the 1980s, the 1990s, the 2000s, the 2010s, and the 2020s in British Columbia (CAN), California, Delaware, Florida, Georgia, Illinois, Indiana, Maine, Maryland, Massachusetts, Minnesota, New Jersey, Ontario (CAN), Oregon, Pennsylvania, South Carolina, South Dakota, Tennessee, Texas, Utah, and Washington.

Source Numbers

188, 204, 237, 300, 305, 306, 320, 321, 357, 390, 412, 525, 530, 579, 583, 638, 864, 866, 896, 901, 903, 904, 936, 939, 944, 946, 947, 948, 963, 964, 966, 967, 1012, 1013, 1014, 1036, 1047, 1056, 1071, 1076



Multifamily Housing (Low-Rise) Not Close to Rail Transit (220)

Vehicle Trip Ends vs: Dwelling Units

On a: Weekday,

Peak Hour of Adjacent Street Traffic,

One Hour Between 7 and 9 a.m.

Setting/Location: General Urban/Suburban

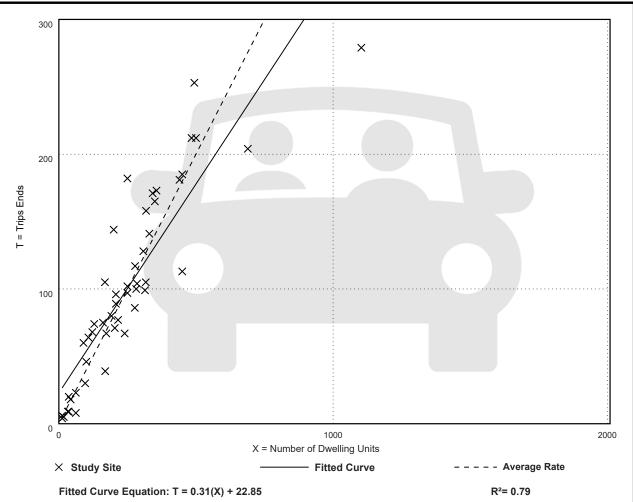
Number of Studies: 49

Avg. Num. of Dwelling Units: 249

Directional Distribution: 24% entering, 76% exiting

Vehicle Trip Generation per Dwelling Unit

Average Rate	Range of Rates	Standard Deviation
0.40	0.13 - 0.73	0.12



Multifamily Housing (Low-Rise) Not Close to Rail Transit (220)

Vehicle Trip Ends vs: Dwelling Units

On a: Weekday,

Peak Hour of Adjacent Street Traffic,

One Hour Between 4 and 6 p.m.

Setting/Location: General Urban/Suburban

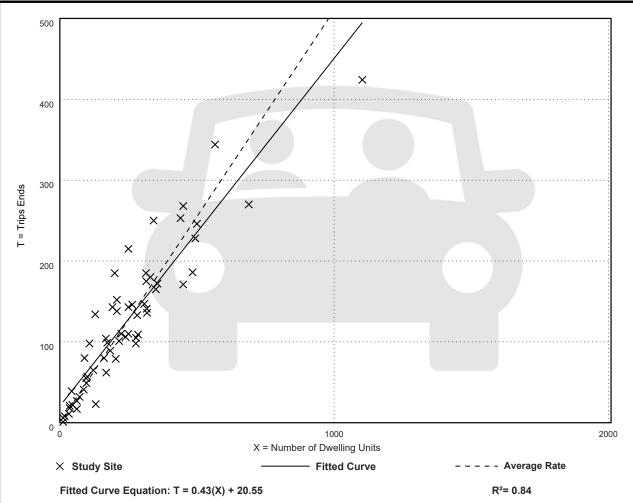
Number of Studies: 59

Avg. Num. of Dwelling Units: 241

Directional Distribution: 63% entering, 37% exiting

Vehicle Trip Generation per Dwelling Unit

Average Rate	Range of Rates	Standard Deviation
0.51	0.08 - 1.04	0.15





Multifamily Housing (Low-Rise) Not Close to Rail Transit (220)

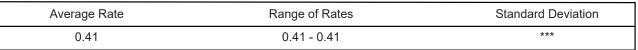
Vehicle Trip Ends vs: Dwelling Units

On a: Saturday, Peak Hour of Generator

Setting/Location: General Urban/Suburban

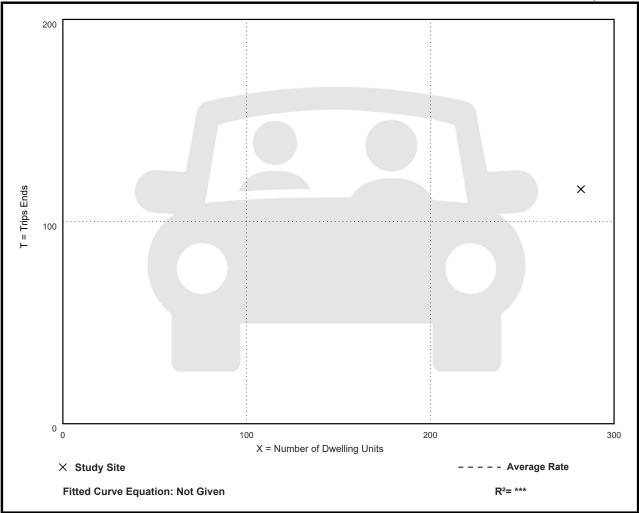
Number of Studies: 1 Avg. Num. of Dwelling Units: 282 Directional Distribution: Not Available

Vehicle Trip Generation per Dwelling Unit



Data Plot and Equation

Caution – Small Sample Size





Land Use: 822 Strip Retail Plaza (<40k)

Description

A strip retail plaza is an integrated group of commercial establishments that is planned, developed, owned, and managed as a unit. Each study site in this land use has less than 40,000 square feet of gross leasable area (GLA). Because a strip retail plaza is open-air, the GLA is the same as the gross floor area of the building.

The 40,000 square feet GFA threshold between strip retail plaza and shopping plaza (Land Use 821) was selected based on an examination of the overall shopping center/plaza database. No shopping plaza with a supermarket as its anchor is smaller than 40,000 square feet GLA.

Shopping center (>150k) (Land use 820), shopping plaza (40-150k) (Land Use 821), and factory outlet center (Land Use 823) are related uses.

Additional Data

The technical appendices provide supporting information on time-of-day distributions for this land use. The appendices can be accessed through either the ITETripGen web app or the trip generation resource page on the ITE website (https://www.ite.org/technical-resources/topics/trip-and-parking-generation/).

The sites were surveyed in the 1980s, the 1990s, the 2000s, and the 2010s in Alberta (CAN), California, Delaware, Florida, New Jersey, Ontario (CAN), South Dakota, Vermont, Washington, and Wisconsin.

Source Numbers

304, 358, 423, 428, 437, 507, 715, 728, 936, 960, 961, 974, 1009



Strip Retail Plaza (<40k) (822)

Vehicle Trip Ends vs: 1000 Sq. Ft. GLA

On a: Weekday,

Peak Hour of Adjacent Street Traffic,

One Hour Between 7 and 9 a.m.

Setting/Location: General Urban/Suburban

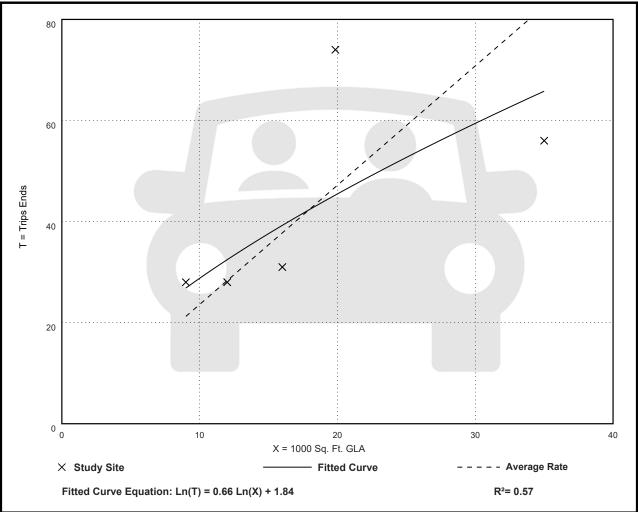
Number of Studies: 5

Avg. 1000 Sq. Ft. GLA: 18

Directional Distribution: 60% entering, 40% exiting

Vehicle Trip Generation per 1000 Sq. Ft. GLA

Average Rate	Range of Rates	Standard Deviation
2.36	1.60 - 3.73	0.94





Strip Retail Plaza (<40k) (822)

Vehicle Trip Ends vs: 1000 Sq. Ft. GLA

On a: Weekday,

Peak Hour of Adjacent Street Traffic,

One Hour Between 4 and 6 p.m.

Setting/Location: General Urban/Suburban

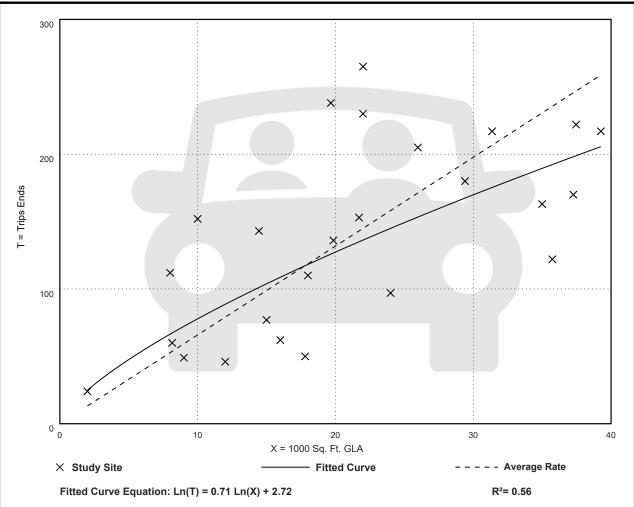
Number of Studies: 25

Avg. 1000 Sq. Ft. GLA: 21

Directional Distribution: 50% entering, 50% exiting

Vehicle Trip Generation per 1000 Sq. Ft. GLA

Average Rate	Range of Rates	Standard Deviation
6.59	2.81 - 15.20	2.94





Strip Retail Plaza (<40k) (822)

Vehicle Trip Ends vs: 1000 Sq. Ft. GLA

On a: Saturday, Peak Hour of Generator

Setting/Location: General Urban/Suburban

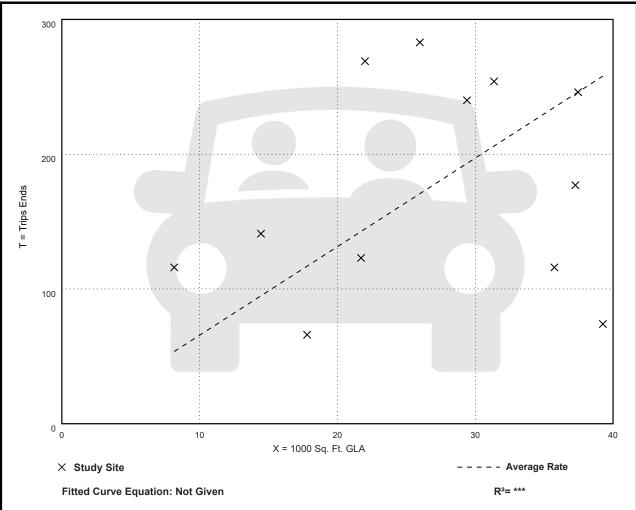
Number of Studies: 12

Avg. 1000 Sq. Ft. GLA: 27

Directional Distribution: 51% entering, 49% exiting

Vehicle Trip Generation per 1000 Sq. Ft. GLA

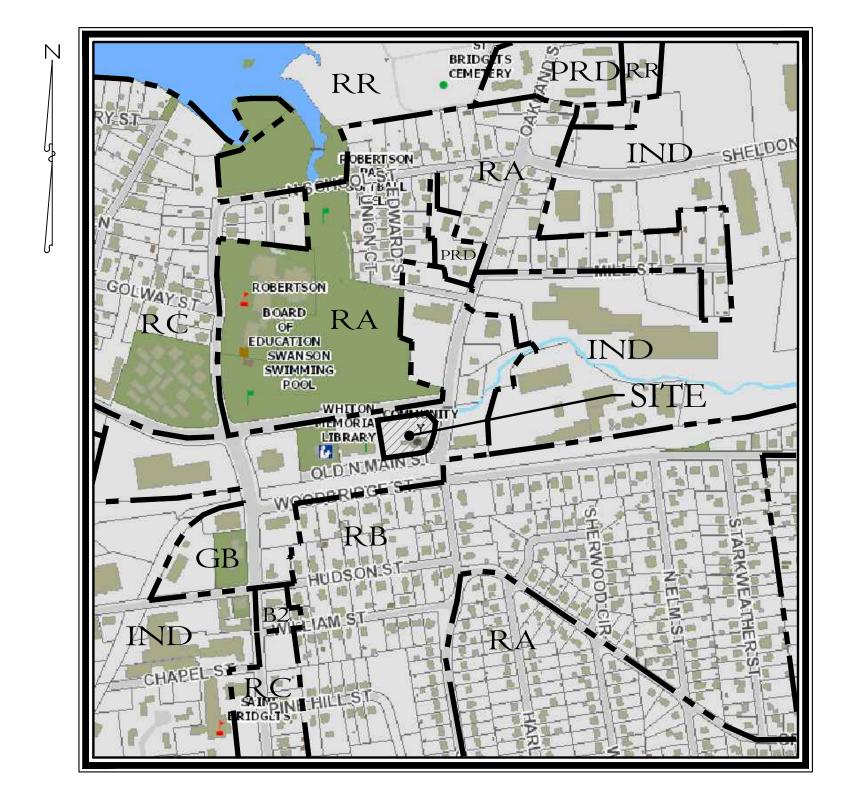
Average Rate	Range of Rates	Standard Deviation
6.57	1.88 - 14.23	3.45





cole

engineering. surveying. planning.



 $\frac{\text{KEY MAP}}{\text{SCALE: 1"=500'}}$

PREPARED FOR

3 Squared, LLC December 20, 2023



Proposed Mixed-Use Development

Sheet Index:

S1	Property & Topographic Survey Map
R1	Removal and Demolition Plan
C1	Site Layout & Landscaping Plan
C2	Site Development Plan
ES1	Soil Erosion & Sedimentation Control Plan
ES2	Soil Erosion & Sediment Control Details
D1	Details
D2	Details
D3	Details

A	P	PF	20	V	EC)
PL			AND	10 C 10 C	ING	
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	사이지 승규가 있다.	AISSI	17 C 16 U 1		
	MA	NCH	ESTE	R. C	T	
	0002200	200 C C C C C C C C C C C C C C C C C C	77. C (T	0.00	0	
uero:						
re:						
re: Net	61 <u></u>					
	61 <u></u>					

14 North Main Street Manchester, Connecticut

Applicant:

3 Squared, LLC 100 Center Street Southington, Connecticut 06489

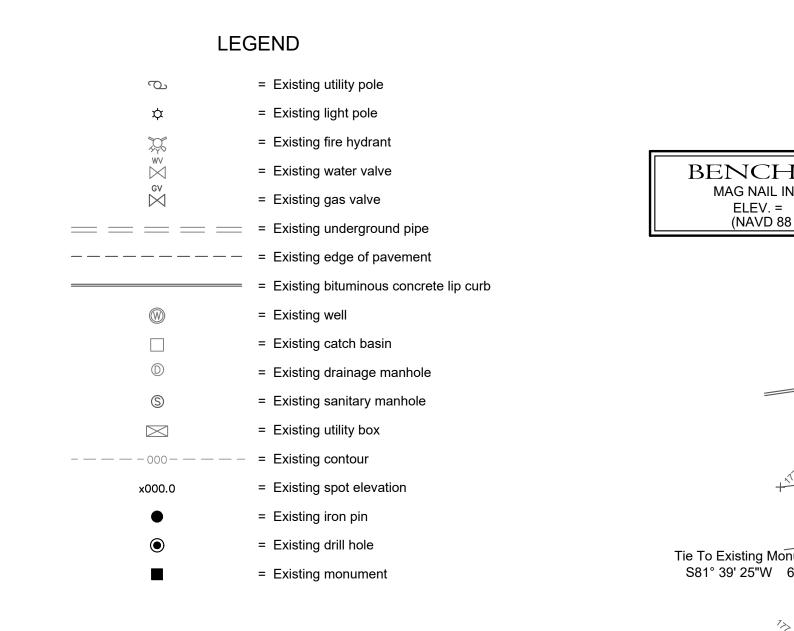
Property Owner:

3 Squared, LLC 100 Center Street Southington, Connecticut 06489

Consultants:

Engineering & Surveying
Harry E. Cole & Son
P.O. Box 44 - 876 South Main Street
Plantsville, Connecticut 06489
Tel. (860) 628-4484 Fax (860) 620-0196

01	02/05/2024	Revised per Town Comments	
	December 20, 2023	First Submittal Set	#2387



Town of Manchester control points used to establish site coordinates. Leica TS-12 & Carlson CRX Robotic Total Stations were used to establish the site control through conventional traverse methods using the following T.O.M. Control Monuments.

 ester Control Point #62 E=1062294.148 Elev.= 173.49'
 ester Control Point #5 E=1061465.374 Elev.= 177.01'
 ester Control Point #61 E=1062619.599 Elev.= 171.81'



SURVEY NOTES:

1. This map has been prepared pursuant to the Regulation of Connecticut State Agencies Sections 20-300b-1 through 20-300b-20 and the "Standards for Surveys and Maps in the State of Connecticut" as adopted by the Connecticut Association of Land Surveyors, Inc. on September 26, 1996

2. Type of survey performed: Property Survey

3. Boundary determination category: Resurvey

4. Class of accuracy:

Horizontal: A-2 Vertical: T-2

5. The intent of this map is to depict or note the position of boundaries with respect to: (A) locations of all boundary monumentation found or set; (B) Apparent improvements and features, including as a minimum: dwellings, barns, garages, sheds, driveways, roadways, surface utilities, visible bodies of water and swimming pools; (C) record easements and visible means of ingress and egress; (D) record and apparent means of ingress and egress; (E) lines of occupation, including as a minimum: fences, walls, hedges and yards; (F) deed restrictions pertaining to the location of buildings or other apparent improvements; (G) unresolved conflicts with record deed descriptions and maps; (H) all apparent boundary encroachments; and (I) monumentation required to be set at all corners created by a deflection angle of not less than 70 degrees between two consecutive courses at an intervals not to exceed 600 feet (180 meters) along the boundaries between said corners, except where natural or man-made monumentation defines or occupies the line.

6. Map References:

- a) "Town Of Manchester; Map Showing Land Acquired From Fleet Bank, National Association By The State Of Connecticut; Intersection Improvements Oakland St. (Rte. 83) & North Main St. (Rte. 83); Scale 1"=40'; Dated: January 1995; Last Revised: 6/29/95 By Scott L. Neff" Filed In Map Book 32, Page 72C In M.L.R.
- b) "ALTA/NSPS Land Title Survey; Prepared For Bank Of America, National Association; 14 North Main Street, Manchester, CT; Scale 1"=20'; By Commercial Due Diligence Services"

7. Per agreement with property owner no boundary corners were set by this survey unless noted hereon. All monumentation found is depicted or noted hereon.

8. Zone: GB

9. Owner: Bank Of America, National Association

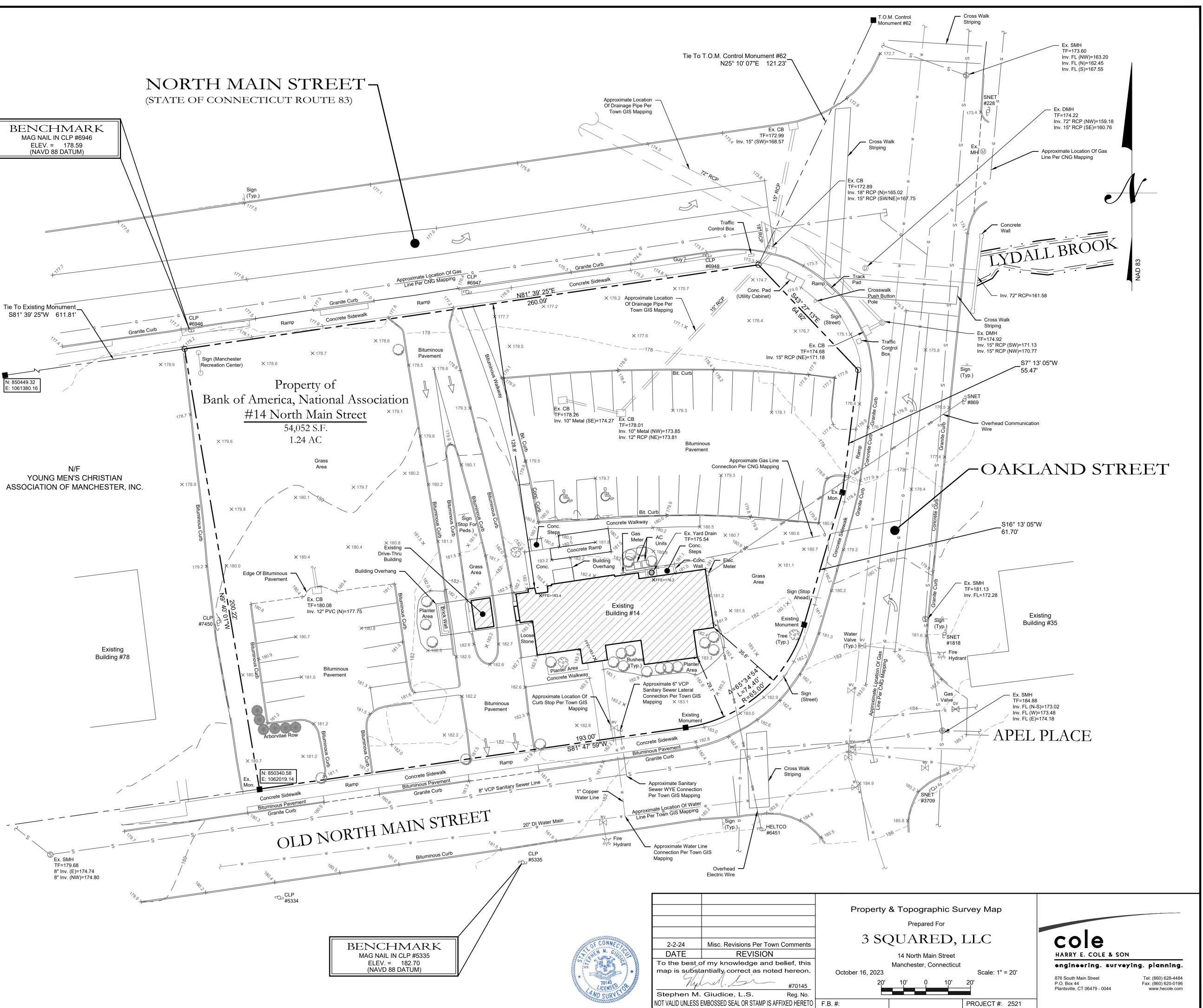
10. Town of Manchester Assessors Map #74 Lot #14

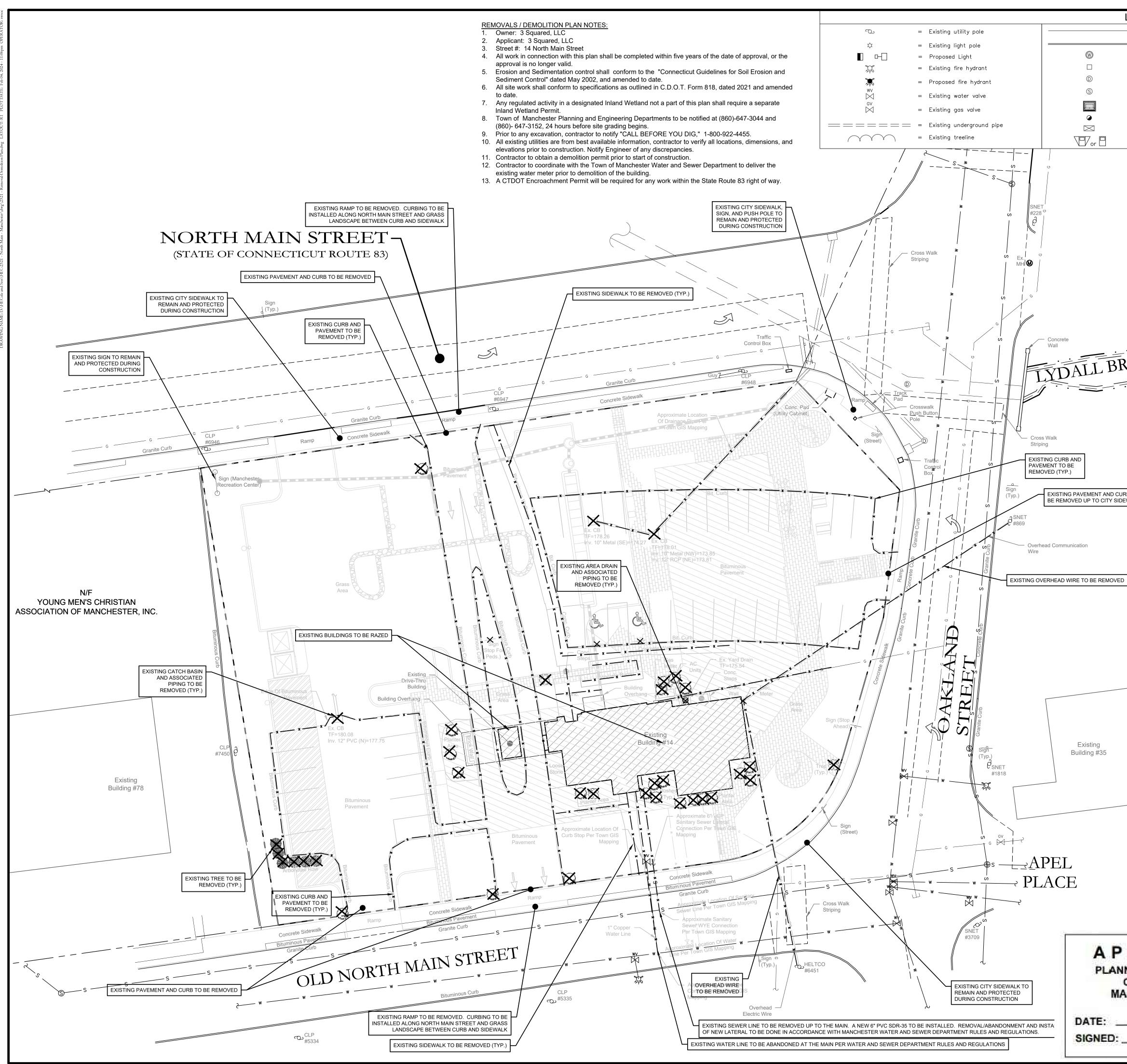
11. Filed in Volume 3145, Page 320 of the Town Clerk's office.

12. Contour interval is two (2) foot.

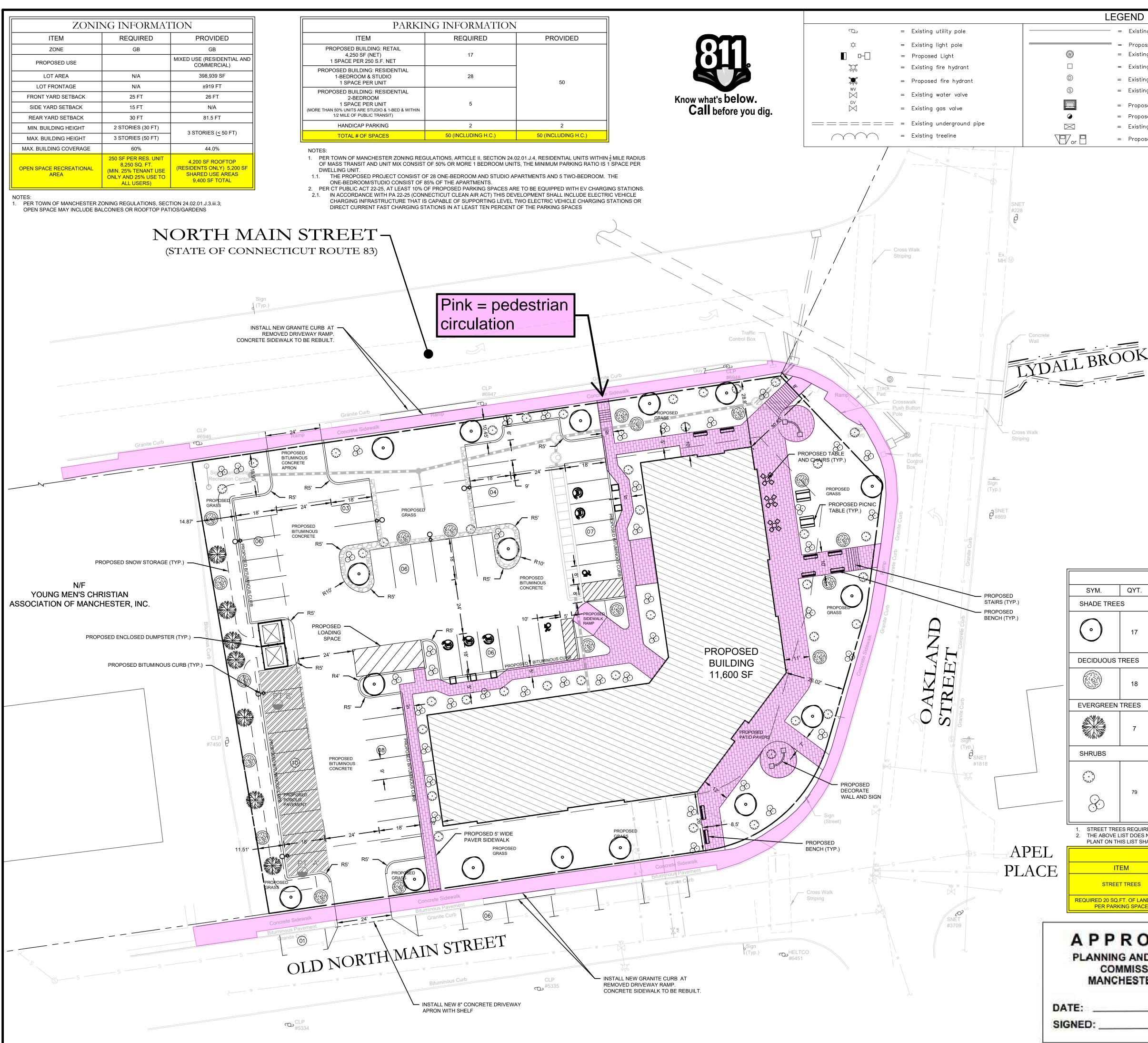
13. Existing contours generated from field topography.

14. This survey does not include the location of any underground improvements or encroachments, subsurface utility lines or buried debris. Nor does it necessarily reflect the existence of any waste dumps or hazardous materials. The underground items depicted or noted are approximate and are not guaranteed. Notify "CALL BEFORE YOU DIG" 1-800-922-4455 prior to any excavation operations.





LEGEND		
= Existing edge of pavement		
	000 = Existing contour	
= Proposed curbing = Existing/Proposed well	x000.0 = Existing spot elevation	
= Existing catch basin	= Proposed contour	
= Existing drainage manhole	© = Proposed spot elevation	
= Existing sanitary manhole	TP = Deep test location	
	PT = Percolation test location	
= Proposed catch basin	$\frac{G.T.D.}{=} Grade to drain$	
= Proposed manhole		
= Existing utility box	= Proposed Riprap	NORTH
= Proposed sidewalk ramp	= Proposed Drainage Pipe	
		· · · · · · · · · · · · · · · · · · ·
		cole
		HARRY E. COLE & SON
	Know what's below.	engineering. surveying. planning.
	Call before you dig.	
		876 South Main Street Tel: (860) 628-4484 P.O. Box 44 Fax: (860) 620-0196
		Plantsville, CT 06479 - 0044 www.hecole.com
		PROJECT NAME:
TOOK		PROPOSED
KUUIN		
ROOK		MIXED-USE
		DEVELOPMENT
		11 Nouth Main Others
		14 North Main Street
		Manchester, Connecticut
		PREPARED FOR:
JRB TO DEWALK		
		3 SQUARED, LLC
D		
		Sheet Description:
		REMOVAL AND
		DEMOLITION PLAN
		Scale:
		20' 10' 0 10' 20'
		1"=20'
		Date: December 20, 2023
		Project #: 2521 F.B. #:
		Drawn By: BTP Approved By: BNB
		Revisions:
		Date: Descriptions:
		02/05/2024 Revised per Town Comments
PROVED		
NING AND ZONING	STATE OF CONNECTION	Sheet #:
COMMISSION		
ANCHESTER, CT	*	
	13653 13653	
	SIONAL ENGLISH	R1
i		
	#13653	
	Barton N. Bovee P.E. Reg. No.	
	NOT VALID UNLESS EMBOSSED SEAL OR STAMP IS AFFIXED HERETO	



LE	GEND							
		edge of pavement	000					
	-	ed curbing	000		sting contour			
:		/Proposed well	x000.0	= Exi	sting spot elevation			
-	= Existing catch basin			= Prc	posed contour			
	-	drainage manhole	<u>×000.</u> 0	= Pro	posed spot elevation	É	\equiv	Ä
		sanitary manhole		= Dee	ep test location			
	-		PT	= Per	colation test location			
=		d catch basin	G.T.D.		ide to drain			
		ed manhole	${}$					
	-	utility box		= Pro	posed Riprap		NO	RTH
=	= Propose	ed sidewalk ramp		■ = Pro	posed Drainage Pipe			
		SITE PLAN NOTES: 1. Owner: 3 Square	d. LLC					
		2. Applicant: 3 Squi	red, LLC					
		 Street #: 14 Nort Area of Parcel: 3 	n Main Street 98,939 SF - 9.16 Acres					
		5. Parcel is zoned: 0	GB - General Business					
		 Present use: Bar Proposed use: M 	k/Financial ixed Use (Residential and Cor	mmercial)				
		8. No Wetlands are	present by an intermittent wate	ercourse.			le	
			ction with this plan shall be co e approval is no longer valid.	mpleted withir	n five years of the date		E. COLE & S	
		10. Erosion and Sedi	mentation control shall confor			engine	ering. sur	veying. planning.
			Sediment Control" dated May conform to specifications as o					
		2021 and amende	ed to date.					
			ivity in a designated Inland We Inland Wetland Permit.	etland not a pa	art of this plan shall	P.O. Box	h Main Street 44	Tel: (860) 628-4484 Fax: (860) 620-0196
		13. All areas disturbe	d by construction to be restore			Plantsville	e, CT 06479 - 00	44 www.hecole.com
		 All exterior light find the second sec	xtures shall be LED and full cu tanks are prohibited	utoff fixtures w	ith recessed lenses.			
		16. Town of Manche	ster Planning and Engineering					
			nd (860)- 647-3152, 24 hours ⁄ation, contractor to notify "CA					
		1-800-922-4455.	-				PROJEC	T NAME:
			s are from best available inform ions, and elevations prior to co					
	OK	discrepancies.					PROP	POSED
XU		19. No floor drains an Connecticut DEE	e proposed. Floor drains are ı P permits	not allowed wi	thout obtaining			
		20. Building permit re	quired for construction of retai					D-USE
•		retaining walls sha construction of wa	all be provided by structural/ge alls.	eotechnical e	engineer prior to		EVELO	OPMENT
		21. Location of snow	storage is show on this plan.					
			capacity of the onsite storage posed of off-site in accordance				11 North N	Main Street
		22. All materials and	methods of construction withir	n the Town rig	ht-of-way and for			
			shall conform to the Manches 31, 2020, as amended.	ter Public Imp	rovement Standards,	IVIC		, Connecticut
		23. A CTDOT Encroa	chment Permit will be required	d for any work	within the State Route			
		83 right of way. 24. Record drawings	shall be submitted to the Tow	n of Manchest	er Engineering Division			
			h Section 5.01 of the Manches					
		• •	of the work. The drawings sha ion and shall be approved pric		•		PREPAR	ED FOR:
		The Contractor sh	all be responsible for procurir	-	-			
		The Contractor sh generate drawing	nall be responsible for procurir s and for providing the actual h Town of Manchester Ordina	drawings to th	e Town.			
		The Contractor sh generate drawing 25. In accordance wit replace all broken	s and for providing the actual h Town of Manchester Ordina or damaged sidewalk and cu	drawings to th nce 14-57, the	e Town. e Contractor shall			
		The Contractor sh generate drawing 25. In accordance wit replace all broken as directed by the 26. An approved eros	s and for providing the actual h Town of Manchester Ordina or damaged sidewalk and cu	drawings to th nce 14-57, the rbs along the	e Town. Contractor shall frontage of the property			
		The Contractor sh generate drawing 25. In accordance wit replace all broken as directed by the 26. An approved eros activity	s and for providing the actual h Town of Manchester Ordina or damaged sidewalk and cu Town. ion control bond is required p	drawings to th nce 14-57, the rbs along the rior to the star	e Town. Contractor shall frontage of the property t of any construction		SQUAI	RED, LLC
		The Contractor sh generate drawing 25. In accordance wit replace all broken as directed by the 26. An approved eros activity 27. Individual resider the Town once th	s and for providing the actual h Town of Manchester Ordina or damaged sidewalk and cu Town.	drawings to th nce 14-57, the rbs along the rior to the star eet addresses	e Town. Contractor shall frontage of the property t of any construction will be designated by		SQUAI	RED, LLC
		The Contractor sh generate drawing 25. In accordance wit replace all broken as directed by the 26. An approved eros activity 27. Individual resider	s and for providing the actual h Town of Manchester Ordina or damaged sidewalk and cu Town. ion control bond is required p ntial and commercial unit stre	drawings to th nce 14-57, the rbs along the rior to the star eet addresses	e Town. Contractor shall frontage of the property t of any construction will be designated by		SQUAI	RED, LLC
		The Contractor sh generate drawing 25. In accordance wit replace all broken as directed by the 26. An approved eros activity 27. Individual resider the Town once th approved	s and for providing the actual h Town of Manchester Ordina or damaged sidewalk and cu Town. ion control bond is required p ntial and commercial unit stre	drawings to th nce 14-57, the rbs along the rior to the star eet addresses	e Town. Contractor shall frontage of the property t of any construction will be designated by		SQUAI	RED, LLC
	QYT.	The Contractor sh generate drawing 25. In accordance wit replace all broken as directed by the 26. An approved eros activity 27. Individual resider the Town once th approved	s and for providing the actual h Town of Manchester Ordina or damaged sidewalk and cu Town. ion control bond is required pl ntial and commercial unit stre ne Planning & Zoning permit a ANT LIST	drawings to th nce 14-57, the rbs along the rior to the star eet addresses application is	e Town. Contractor shall frontage of the property t of any construction will be designated by		SQUAI	RED, LLC
TRFF		The Contractor sh generate drawing 25. In accordance wit replace all broken as directed by the 26. An approved eros activity 27. Individual resider the Town once th approved	s and for providing the actual h Town of Manchester Ordina or damaged sidewalk and cu Town. ion control bond is required pl ntial and commercial unit stre ne Planning & Zoning permit a ANT LIST	drawings to th nce 14-57, the rbs along the rior to the star eet addresses application is	e Town. Contractor shall frontage of the property t of any construction will be designated by complete and		SQUAI	RED, LLC
TREE		The Contractor sh generate drawing 25. In accordance wit replace all broken as directed by the 26. An approved eros activity 27. Individual residen the Town once th approved PI SCIENTIFIC NA	s and for providing the actual h Town of Manchester Ordina or damaged sidewalk and cu Town. ion control bond is required p ntial and commercial unit stre he Planning & Zoning permit ANT LIST	drawings to th nce 14-57, the rbs along the rior to the star eet addresses application is	e Town. Contractor shall frontage of the property t of any construction will be designated by complete and CONDITION		SQUAI	RED, LLC
TREE		The Contractor sk generate drawing 25. In accordance wit replace all broken as directed by the 26. An approved eros activity 27. Individual resider the Town once th approved PI SCIENTIFIC NA	s and for providing the actual of h Town of Manchester Ordina or damaged sidewalk and cues Town. Sion control bond is required provide a commercial unit streement of the Planning & Zoning permit of the Planning & Zoning permit of the Planning & Zoning permit of the Planning & Republic Repu	drawings to th nce 14-57, the rbs along the rior to the star eet addresses application is N NAME	e Town. Contractor shall frontage of the property t of any construction will be designated by complete and CONDITION B & B, 3" CAL.		SQUAI	RED, LLC
TREE		The Contractor sh generate drawing 25. In accordance wit replace all broken as directed by the 26. An approved eros activity 27. Individual residen the Town once th approved PI SCIENTIFIC NA	s and for providing the actual of h Town of Manchester Ordina or damaged sidewalk and cue Town. ion control bond is required provide and commercial unit stress and commercial unit st	drawings to the nce 14-57, the rbs along the rior to the star eet addresses application is N NAME OAK	e Town. Contractor shall frontage of the property t of any construction will be designated by complete and CONDITION			RED, LLC
TREE	ES	The Contractor sh generate drawing 25. In accordance wit replace all broken as directed by the 26. An approved eros activity 27. Individual resider the Town once th approved PI SCIENTIFIC NA QUERCUS RUBR	s and for providing the actual h Town of Manchester Ordina or damaged sidewalk and cu Town. ion control bond is required po- ntial and commercial unit strees the Planning & Zoning permit a ANT LIST ME COMMO RA RED M RED M SA SILVER	drawings to the nce 14-57, the rbs along the rior to the star eet addresses application is N NAME OAK IAPLE LINDEN	e Town. Contractor shall frontage of the property t of any construction will be designated by complete and CONDITION B & B, 3" CAL. B & B, 3" CAL.	3		RED, LLC
)	ES	The Contractor sh generate drawing 25. In accordance wit replace all broken as directed by the 26. An approved eros activity 27. Individual resider the Town once th approved PI SCIENTIFIC NA QUERCUS RUBH ACER RUBRUN TILIA TOMENTO	s and for providing the actual h Town of Manchester Ordina or damaged sidewalk and cu Town. ion control bond is required po- ntial and commercial unit strees the Planning & Zoning permit a ANT LIST ME COMMO RA RED M RED M SA SILVER	drawings to the nce 14-57, the rbs along the rior to the star eet addresses application is N NAME OAK IAPLE LINDEN	e Town. e Contractor shall frontage of the property t of any construction will be designated by complete and CONDITION B & B, 3" CAL. B & B, 3" CAL. B & B, 3" CAL.	3		RED, LLC
)	ES 17	The Contractor sh generate drawing 25. In accordance wit replace all broken as directed by the 26. An approved eros activity 27. Individual resider the Town once th approved PI SCIENTIFIC NA QUERCUS RUBH ACER RUBRUN TILIA TOMENTO	s and for providing the actual of h Town of Manchester Ordina or damaged sidewalk and cure Town. Town. Sion control bond is required provided and commercial unit streated and commercial unit streated by a second streated st	drawings to th nce 14-57, the rbs along the rior to the star eet addresses application is N NAME OAK IAPLE LINDEN	e Town. e Contractor shall frontage of the property t of any construction will be designated by complete and CONDITION B & B, 3" CAL. B & B, 3" CAL. B & B, 3" CAL.	3 Sheet De	scription:	
)	17 TREES	The Contractor sh generate drawing 25. In accordance wit replace all broken as directed by the 26. An approved eros activity 27. Individual resider the Town once th approved PI SCIENTIFIC NA QUERCUS RUBH ACER RUBRUN TILIA TOMENTO PRUNUS PENSYLVA	s and for providing the actual of h Town of Manchester Ordina or damaged sidewalk and cues Town. Sion control bond is required provide and commercial unit streame Planning & Zoning permit and COMMOR RA RED MARA RA RED MARA RED MARA RA RE	drawings to the nce 14-57, the rbs along the rior to the star eet addresses application is N NAME OAK IAPLE LINDEN CHERRY	e Town. c Contractor shall frontage of the property t of any construction will be designated by complete and CONDITION B & B, 3" CAL. B & B, 3" CAL. B & B, 3" CAL. B & B, 3" CAL.	3 Sheet De	scription:	OUT AND
)	ES 17	The Contractor sh generate drawing 25. In accordance wit replace all broken as directed by the 26. An approved eros activity 27. Individual resider the Town once th approved PI SCIENTIFIC NA QUERCUS RUBR ACER RUBRUN TILIA TOMENTO PRUNUS PENSYLVA MORUS RUBRA	s and for providing the actual of h Town of Manchester Ordina or damaged sidewalk and cure Town. Sion control bond is required provide a commercial unit streamercial and commercial and commercial and commercial and streamercial and commercial and streamercial and commercial and commercial and commercial and commercial and streamercial and commercial and streamercial and commercial and commercial and streamercial and commercial and commercial and streamercial and str	drawings to the nce 14-57, the rbs along the rior to the star eet addresses application is N NAME OAK IAPLE LINDEN CHERRY BUD	e Town. c Contractor shall frontage of the property t of any construction will be designated by complete and CONDITION B & B, 3" CAL. B & B, 3" CAL. B & B, 3" CAL. B & B, 3" CAL. B & B, 3" CAL.	3 Sheet De	scription:	
) IOUS	17 TREES	The Contractor sh generate drawing 25. In accordance wit replace all broken as directed by the 26. An approved eros activity 27. Individual residen the Town once th approved PI SCIENTIFIC NA QUERCUS RUBR ACER RUBRUM TILIA TOMENTO PRUNUS PENSYLVA MORUS RUBRA	s and for providing the actual of h Town of Manchester Ordina or damaged sidewalk and cure Town. Sion control bond is required provide a commercial unit streamercial and commercial and commercial and commercial and streamercial and commercial and streamercial and commercial and commercial and commercial and commercial and streamercial and commercial and streamercial and commercial and commercial and streamercial and commercial and commercial and streamercial and str	drawings to the nce 14-57, the rbs along the rior to the star eet addresses application is N NAME OAK IAPLE LINDEN CHERRY BUD	e Town. Contractor shall frontage of the property t of any construction will be designated by complete and CONDITION B & B, 3" CAL. B & B, 3" CAL.	3 Sheet De	scription:	OUT AND
OUS T	TREES	The Contractor sh generate drawing 25. In accordance wit replace all broken as directed by the 26. An approved eros activity 27. Individual residen the Town once th approved PI SCIENTIFIC NA QUERCUS RUBR ACER RUBRUM TILIA TOMENTO PRUNUS PENSYLVA MORUS RUBRA	s and for providing the actual of h Town of Manchester Ordina or damaged sidewalk and cues Town. Sion control bond is required provide a commercial unit streate Planning & Zoning permit is a commercial unit streate Planning & Zoning permit is a common set of the Planning & Zoning permit is a common set of the Planning & Zoning permit is a common set of the Planning & Zoning permit is a common set of the Planning & Zoning permit is a common set of the Planning & Zoning permit is a common set of the Planning & Zoning permit is a common set of the Planning & Zoning permit is a common set of the Planning & Zoning permit is a common set of the Planning & Zoning permit is a common set of the Planning & Zoning permit is a common set of the Planning & Zoning permit is a common set of the Planning & Zoning permit is a common set of the Planning & Zoning permit is a common set of the Planning & Zoning permit is a common set of the Planning & Zoning permit is a common set of the Planning & Zoning permit is a common set of the Planning & Zoning permit is a common set of the Planning & Zoning permit is a common set of the Planning & Zoning permit is a common set of the Planning & Zoning permit is a common set of the Planning & Zoning permit is a common set of the Planning & Zoning permit is a common set of the Planning & Zoning permit is a common set of the Planning & Zoning permit is a common set of the Planning & Zoning permit is a common set of the Planning & Zoning permit is a common set of the Planning & Zoning permit is a common set of the Planning & Zoning permit is a common set of the Planning & Zoning permit is a common set of the Planning & Zoning permit is a common set of the Planning & Zoning permit is a common set of the Planning & Zoning permit is a common set of the Planning & Zoning permit is a common set of the Planning & Zoning permit set of the Planning & Zoning	drawings to the nce 14-57, the rbs along the rior to the star eet addresses application is N NAME OAK IAPLE LINDEN CHERRY BUD ERSIMMON	e Town. Contractor shall frontage of the property t of any construction will be designated by complete and CONDITION B & B, 3" CAL. B & B, 3" CAL.	3 Sheet De	scription:	OUT AND
) IOUS	TREES	The Contractor sh generate drawing 25. In accordance wit replace all broken as directed by the 26. An approved eros activity 27. Individual resider the Town once th approved PI SCIENTIFIC NA QUERCUS RUBR ACER RUBRUN TILIA TOMENTO PRUNUS PENSYLVA MORUS RUBRA CERCIS CANADEN DIOSPYROS VIRGIN	s and for providing the actual of h Town of Manchester Ordinal or damaged sidewalk and cultary or damaged sidewalk and cultary or damaged sidewalk and cultary of the provident of the providence of the providenc	drawings to the nce 14-57, the rbs along the rior to the star eet addresses application is N NAME OAK IAPLE LINDEN CHERRY BUD ERSIMMON PINE	e Town. Contractor shall frontage of the property t of any construction will be designated by complete and CONDITION B & B, 3" CAL. B & B, 3" CAL.	3 Sheet De	scription:	OUT AND
OUS T	TREES	The Contractor sk generate drawing 25. In accordance wit replace all broken as directed by the 26. An approved eros activity 27. Individual resider the Town once th approved PI SCIENTIFIC NA QUERCUS RUBR ACER RUBRUN TILIA TOMENTO PRUNUS PENSYLVA MORUS RUBRA CERCIS CANADER DIOSPYROS VIRGIN	s and for providing the actual of h Town of Manchester Ordinal or damaged sidewalk and cultaria from the provide the provide the provided th	drawings to the nce 14-57, the rbs along the rior to the star eet addresses application is N NAME OAK IAPLE LINDEN CHERRY BUD ERSIMMON PINE SPRUCE	e Town. Contractor shall frontage of the property t of any construction will be designated by complete and CONDITION B & B, 3" CAL. B & B, 3" CAL.	Sheet De	scription:	OUT AND
OUS T	TREES	The Contractor sh generate drawing 25. In accordance wit replace all broken as directed by the 26. An approved eros activity 27. Individual resider the Town once th approved PI SCIENTIFIC NA QUERCUS RUBR ACER RUBRUN TILIA TOMENTO PRUNUS PENSYLV/ MORUS RUBR/ CERCIS CANADEN DIOSPYROS VIRGIN PINUS RIGIDA PINUS RIGIDA	s and for providing the actual of h Town of Manchester Ordinal or damaged sidewalk and cultaria from the provide the provide the provided th	drawings to the nce 14-57, the rbs along the rior to the star eet addresses application is N NAME OAK IAPLE LINDEN CHERRY BUD ERSIMMON PINE SPRUCE	e Town. e Contractor shall frontage of the property t of any construction will be designated by complete and CONDITION B & B, 3" CAL. B & B, 3" CAL.	3 Sheet De	scription: SITE LAY ANDSCA	OUT AND
REEN	TREES	The Contractor sh generate drawing 25. In accordance wit replace all broken as directed by the 26. An approved eros activity 27. Individual resider the Town once th approved PI SCIENTIFIC NA QUERCUS RUBR ACER RUBRUN TILIA TOMENTO PRUNUS PENSYLV/ MORUS RUBR/ CERCIS CANADEN DIOSPYROS VIRGIN PINUS RIGIDA PINUS RIGIDA	s and for providing the actual of h Town of Manchester Ordinal or damaged sidewalk and cultaria or	drawings to the nce 14-57, the rbs along the rior to the star eet addresses application is N NAME OAK IAPLE LINDEN CHERRY BUD ERSIMMON PINE SPRUCE HEMLOCK	e Town. e Contractor shall frontage of the property t of any construction will be designated by complete and CONDITION B & B, 3" CAL. B & B, 3" CAL.	Sheet De	SITE LAY ANDSCA	OUT AND PING PLAN
REEN	TREES	The Contractor sh generate drawing 25. In accordance with replace all broken as directed by the 26. An approved eros activity 27. Individual resident the Town once the approved PI SCIENTIFIC NA QUERCUS RUBH ACER RUBRUN TILIA TOMENTO PRUNUS PENSYLVA MORUS RUBRA CERCIS CANADEN DIOSPYROS VIRGIN PINUS RIGIDA PICEA MARIAN TSUGA CANADEN	s and for providing the actual of h Town of Manchester Ordinal or damaged sidewalk and cult Town. Sion control bond is required provided and commercial unit streates and the Planning & Zoning permit is a series of the Planning & Zoning permit is a series of the Planning & Zoning permit is a series of the Planning & Zoning permit is a series of the Planning & Zoning permit is a series of the Planning & Zoning permit is a series of the Planning & Zoning permit is a series of the Planning & Zoning permit is a series of the Planning & Zoning permit is a series of the Planning & Zoning permit is a series of the Planning & Zoning permit is a series of the Planning & Zoning permit is a series of the Planning & Zoning permit is a series of the Planning & Zoning permit is a series of the Planning & Zoning permit is a series of the Planning & Zoning permit is a series of the Planning & Zoning permit is a series of the Planning & Zoning permit is a series of the Planning & Zoning permit is a series of the Planning & Zoning permit is a series of the Planning & Zoning permit is a series of the Planning & Zoning permit is a series of the Planning & Zoning permit is a series of the Planning & Zoning permit is a series of the Planning & Zoning permit is a series of the Planning & Zoning permit is a series of the Planning & Zoning permit is a series of the Planning & Zoning permit is a series of the Planning & Zoning permit is a series of the Planning & Zoning permit is a series of the Planning & Zoning permit is a series of the Planning & Zoning permit is a series of the Planning & Zoning permit is a series of the Planning & Zoning permit is a series of the Planning & Zoning permit is a series of the Planning & Zoning permit is a series of the Planning & Zoning permit is a series of the Planning & Zoning permit is a series of the Planning & Zoning permit & Zoning permi	drawings to the nce 14-57, the rbs along the i rior to the star eet addresses application is N NAME OAK IAPLE LINDEN CHERRY BUD ERSIMMON ERSIMMON PINE SPRUCE HEMLOCK	e Town. e Contractor shall frontage of the property t of any construction will be designated by complete and CONDITION B & B, 3" CAL. B & B, 3" CAL.	Sheet De	SITE LAY ANDSCA	OUT AND PING PLAN
REEN	TREES 7	The Contractor sh generate drawing 25. In accordance with replace all broken as directed by the 26. An approved eros activity 27. Individual residen the Town once th approved PI SCIENTIFIC NA QUERCUS RUBR ACER RUBRUN TILIA TOMENTO PRUNUS PENSYLVA MORUS RUBRA CERCIS CANADEN DIOSPYROS VIRGIN PINUS RIGIDA PICEA MARIAN TSUGA CANADEN	s and for providing the actual of h Town of Manchester Ordinal or damaged sidewalk and cultary of damaged sidewalk and cultary	drawings to the nce 14-57, the rbs along the i rior to the star eet addresses application is N NAME OAK IAPLE LINDEN OCHERRY BUD ERSIMMON PINE SPRUCE HEMLOCK	e Town. Contractor shall frontage of the property t of any construction will be designated by complete and CONDITION B & B, 3" CAL. B & B, 3" CAL.	Sheet De	SITE LAY ANDSCA	OUT AND PING PLAN
REEN	TREES	The Contractor sh generate drawing 25. In accordance with replace all broken as directed by the 26. An approved eros activity 27. Individual resident the Town once the approved PI SCIENTIFIC NA QUERCUS RUBR QUERCUS RUBR ACER RUBRUN TILIA TOMENTO PRUNUS PENSYLVA MORUS RUBRA CERCIS CANADEN DIOSPYROS VIRGIN PINUS RIGIDA PICEA MARIAN TSUGA CANADEN ILEX VERTICILLA ARONIA ARBUTIFO	s and for providing the actual of h Town of Manchester Ordinal or damaged sidewalk and cultaria from the entities of the entits of the enti	drawings to the nce 14-57, the rbs along the rior to the star eet addresses application is N NAME OAK IAPLE LINDEN CHERRY BUD ERSIMMON PINE SPRUCE HEMLOCK NTERBERRY NDERON	e Town. c Contractor shall frontage of the property t of any construction will be designated by complete and CONDITION B & B, 3" CAL. B & B, 3" CAL.	Sheet De	SITE LAY ANDSCA ' 10' ' 10' ' 10' ' 10'	OUT AND PING PLAN
REEN	TREES 7	The Contractor sh generate drawing 25. In accordance with replace all broken as directed by the 26. An approved eros activity 27. Individual residen the Town once th approved PI SCIENTIFIC NA QUERCUS RUBR ACER RUBRUN TILIA TOMENTO PRUNUS PENSYLVA MORUS RUBRA CERCIS CANADEN DIOSPYROS VIRGIN PINUS RIGIDA PICEA MARIAN TSUGA CANADEN ILEX VERTICILLA ARONIA ARBUTIER RHODODENDRON CAN	s and for providing the actual of h Town of Manchester Ordinal or damaged sidewalk and cultary	drawings to the nce 14-57, the rbs along the is rior to the star eet addresses application is N NAME OAK IAPLE LINDEN OAK IAPLE LINDEN CHERRY BUD ERSIMMON PINE SPRUCE HEMLOCK NTERBERRY KEBERRY NDERON VIBURNUM	e Town. c Contractor shall frontage of the property t of any construction will be designated by complete and CONDITION B & B, 3" CAL. B & B, 3" CAL.	3 Sheet De Sheet De Scale: 20 Date: De Project #	SITE LAY ANDSCA ' 10' ' 10'	OUT AND PING PLAN 0 10' 20' =20' 223 F.B. #:
REEN	TREES 7	The Contractor sh generate drawing 25. In accordance with replace all broken as directed by the 26. An approved eros activity 27. Individual resident the Town once the approved PI SCIENTIFIC NA QUERCUS RUBR ACER RUBRUN ACER RUBRUN ACER RUBRUN TILIA TOMENTO PRUNUS PENSYLVA MORUS RUBRA CERCIS CANADEN DIOSPYROS VIRGIN PINUS RIGIDA PINUS RIGIDA PINUS RIGIDA PICEA MARIAN TSUGA CANADEN ILEX VERTICILLA ARONIA ARBUTIER RHODODENDRON CAN VIBURNUM CASSIN	s and for providing the actual of h Town of Manchester Ordinal or damaged sidewalk and cultaria from the provide sequence of the provide s	drawings to the nce 14-57, the rbs along the rior to the star eet addresses application is N NAME OAK IAPLE LINDEN CHERRY BUD ERSIMMON ERSIMMON PINE SPRUCE HEMLOCK NTERBERRY VEBERRY VIBURNUM BLUEBERRY	e Town. c Contractor shall frontage of the property t of any construction will be designated by complete and CONDITION B & B, 3" CAL. B & B, 3" CAL.	Sheet De Sheet De Scale: 20 Date: De Project #: Drawn By	SITE LAY ANDSCA y' 10' cember 20, 20 c 2521 y: BTP	OUT AND PING PLAN
	TREES 17 17 TREES 18 TREES 7 7	The Contractor sh generate drawing 25. In accordance with replace all broken as directed by the 26. An approved eros activity 27. Individual residen the Town once th approved PI SCIENTIFIC NA QUERCUS RUBR ACER RUBRUN TILIA TOMENTO PRUNUS PENSYLVA MORUS RUBRA CERCIS CANADEN DIOSPYROS VIRGIN PINUS RIGIDA PINUS RIGIDA PINUS RIGIDA PICEA MARIAN TSUGA CANADEN ILEX VERTICILLA ARONIA ARBUTIFO RHODODENDRON CAN VIBURNUM CASSING VACCINIUM CORYME JUNIPERUS COMM	s and for providing the actual of h Town of Manchester Ordinal or damaged sidewalk and cultaria or	drawings to the nce 14-57, the rbs along the i rior to the star eet addresses application is N NAME OAK IAPLE LINDEN CHERRY BUD ERSIMMON CHERRY BUD ERSIMMON PINE SPRUCE HEMLOCK NTERBERRY VIBURNUM SLUEBERRY JUNIPER ED ON THE PLAN	e Town. Contractor shall frontage of the property t of any construction will be designated by complete and CONDITION B & B, 3" CAL. B & B, 3" CAL. C B & B, 3" CAL. B & B, 3" CAL. C B &	Sheet De Sheet De Scale: 20 Date: De Project # Drawn By Revisions	SITE LAY ANDSCA ' 10' ' 10' ' 2521 ': BTP ::	OUT AND PING PLAN 0 10' 20' =20' 223 F.B. #: Approved By: BNB
REEN S S	TREES 17 17 TREES 18 TREES 7 7 7 79	The Contractor sh generate drawing 25. In accordance with replace all broken as directed by the 26. An approved eros activity 27. Individual residen the Town once th approved PI SCIENTIFIC NA QUERCUS RUBR ACER RUBRUN TILIA TOMENTO PRUNUS PENSYLVA MORUS RUBRA CERCIS CANADEN DIOSPYROS VIRGIN PINUS RIGIDA PINUS RIGIDA PINUS RIGIDA PICEA MARIAN TSUGA CANADEN ILEX VERTICILLA ARONIA ARBUTIFO RHODODENDRON CAN VIBURNUM CASSING VACCINIUM CORYME JUNIPERUS COMM	s and for providing the actual of h Town of Manchester Ordinal or damaged sidewalk and cultary	drawings to the nce 14-57, the rbs along the i rior to the star eet addresses application is N NAME OAK IAPLE LINDEN CHERRY BUD ERSIMMON CHERRY BUD ERSIMMON PINE SPRUCE HEMLOCK NTERBERRY VIBURNUM SLUEBERRY JUNIPER ED ON THE PLAN	e Town. Contractor shall frontage of the property t of any construction will be designated by complete and CONDITION B & B, 3" CAL. B & B, 3" CAL. C B & B, 3" CAL. B & B, 3" CAL. C B &	3 Sheet De Sheet De Scale: 20 Date: De Project #: Drawn By Revisions Date:	SITE LAY ANDSCA ' 10' ' ecember 20, 20 : 2521 y: BTP s: Descrip	OUT AND PING PLAN 0 10' 20' =20' 23 F.B. #: Approved By: BNB
REEN S S	TREES 17 TREES 18 TREES 7 7 7 79	The Contractor sh generate drawing 25. In accordance with replace all broken as directed by the 26. An approved eros activity 27. Individual resident the Town once th approved PI SCIENTIFIC NA QUERCUS RUBR ACER RUBRUN TILIA TOMENTO PRUNUS PENSYLVA MORUS RUBRA CERCIS CANADEN DIOSPYROS VIRGIN PINUS RIGIDA PINUS RIGIDA PINUS RIGIDA PINUS RIGIDA PINUS RIGIDA PINUS RIGIDA PINUS RIGIDA DIOSPYROS VIRGIN CERCIS CANADEN DIOSPYROS VIRGIN NORUS RUBRA CERCIS CANADEN DIOSPYROS VIRGIN NORUS RUBRA CERCIS CANADEN DIOSPYROS VIRGIN VISUGA CANADEN SUGA CANADEN VISUGA CANADEN VISUGA CANADEN SUGA CANADEN CALIPER STREET OT INCLUDE ANY SPECIES LI LL BE PLANTED ON SITE.	s and for providing the actual of h Town of Manchester Ordinal or damaged sidewalk and cultary	drawings to the nce 14-57, the rbs along the i rior to the star eet addresses application is N NAME OAK IAPLE LINDEN CHERRY BUD ERSIMMON CHERRY BUD ERSIMMON PINE SPRUCE HEMLOCK NTERBERRY VIBURNUM SLUEBERRY JUNIPER ED ON THE PLAN	e Town. Contractor shall frontage of the property t of any construction will be designated by complete and CONDITION B & B, 3" CAL. B & B, 3" CAL. C B & B, 3" CAL. B & B, 3" CAL. C B &	Sheet De Sheet De Scale: 20 Date: De Project # Drawn By Revisions	SITE LAY ANDSCA ' 10' ' ecember 20, 20 : 2521 y: BTP s: Descrip	OUT AND PING PLAN 0 10' 20' =20' 223 F.B. #: Approved By: BNB
	TREES 17 TREES 18 TREES 7 7 7 79	The Contractor sh generate drawing 25. In accordance with replace all broken as directed by the 26. An approved eros activity 27. Individual resident the Town once th approved PI SCIENTIFIC NA QUERCUS RUBR ACER RUBRUN TILIA TOMENTO PRUNUS PENSYLVA MORUS RUBRA CERCIS CANADEN DIOSPYROS VIRGIN PINUS RIGIDA PINUS RIGIDA PINUS RIGIDA PINUS RIGIDA PINUS RIGIDA PINUS RIGIDA PINUS RIGIDA DIOSPYROS VIRGIN CERCIS CANADEN DIOSPYROS VIRGIN NORUS RUBRA CERCIS CANADEN DIOSPYROS VIRGIN NORUS RUBRA CERCIS CANADEN DIOSPYROS VIRGIN VISUGA CANADEN SUGA CANADEN VISUGA CANADEN VISUGA CANADEN SUGA CANADEN CALIPER STREET OT INCLUDE ANY SPECIES LI LL BE PLANTED ON SITE.	s and for providing the actual of h Town of Manchester Ordinal or damaged sidewalk and cultaria or damaged sidewalk and cultaria from control bond is required providing the Planning & Zoning permit a ANT LIST ANT LIST ANE COMMORER RED MARKER ANICA RED MARKER ANICA WILD RED A RED MULTARIA COMMON PRAME RED MULTARIA COMMON PRAME RED MULTARIA RED CHOPALITARIA RED CHOPALITARIA COMMON WILTARIA RED CHOPALITARIA COMMON WILTARIA RED CHOPALITARIA COMMON WILTARIA RED CHOPALITARIA COMMON WILTARIA RED CHOPALITARIA RED CHOPALITARIA COMMON WILTARIA COMMON WILTARIA COMMON WILTARIA RED CHOPALITARIA RED CHOPALITARIA COMMON WILTARIA COMMON WILTARIA RED CHOPALITARIA COMMON WILTARIA COMMON WILTARIA COMMON WILTARIA RED CHOPALITARIA RED CHOPALITARIA COMMON WILTARIA COMMON WILTARIA COMMON WILTARIA RED CHOPALITARIA COMMON WILTARIA RED CHOPALITARIA COMMON WILTARIA COMMON WILTARIA COMMON WILTARIA COMMON WILTARIA RED CHOPALITARIA COMMON WILTARIA RED CHOPALITARIA COMMON WILTARIA COMMON WILTARIA COMMON WILTARIA RED CHOPALITARIA COMMON WILTARIA COMMON WILTARIA COMMON COMMON COMMON COM COMMON COM COMMON COM COMMON COM COMMON COMMON COM COMMON	drawings to the nce 14-57, the rbs along the i rior to the star eet addresses application is N NAME OAK IAPLE LINDEN OAK IAPLE LINDEN CHERRY BUD ERSIMMON ERSIMMON PINE SPRUCE HEMLOCK NTERBERRY VIBURNUM SLUEBERRY JUNIPER DO N THE PLANT LIS	e Town. Contractor shall frontage of the property t of any construction will be designated by complete and CONDITION B & B, 3" CAL. B & B, 3" CAL. C B & B, 3" CAL. B & B, 3" CAL. C B &	3 Sheet De Sheet De Scale: 20 Date: De Project #: Drawn By Revisions Date:	SITE LAY ANDSCA ' 10' ' ecember 20, 20 : 2521 y: BTP s: Descrip	OUT AND PING PLAN 0 10' 20' =20' 23 F.B. #: Approved By: BNB
	TREES 17 TREES 18 TREES 7 7 FREES FREQUIRE LIST DOES N HIS LIST SHA	The Contractor sh generate drawing 25. In accordance with replace all broken as directed by the 26. An approved eros activity 27. Individual residen the Town once th approved PI SCIENTIFIC NA QUERCUS RUBR ACER RUBRUN TILIA TOMENTO PRUNUS PENSYLVA MORUS RUBRA CERCIS CANADEN DIOSPYROS VIRGIN DIOSPYROS VIRGIN PINUS RIGIDA PINUS RIGIDA PICEA MARIAN TSUGA CANADEN DIOSPYROS VIRGIN ARONIA ARBUTIFO RHODODENDRON CAN VIBURNUM CASSIN VACCINIUM CORYME JUNIPERUS COMM	s and for providing the actual of h Town of Manchester Ordinal or damaged sidewalk and current of the actual of the damaged sidewalk and current of the provided body and the provided provided body and the provided provided body and the provid	drawings to the nce 14-57, the rbs along the intervention is along the intervention is along the intervention is a set addresses application is a set addre	e Town. c Contractor shall frontage of the property t of any construction will be designated by complete and CONDITION B & B, 3" CAL. B & B, 3" CAL. C B & B, 3" CAL. B & B, 3" CAL. C B & B, 3" CAL. C CAL.	3 Sheet De Sheet De Scale: 20 Date: De Project #: Drawn By Revisions Date:	SITE LAY ANDSCA ' 10' ' ecember 20, 20 : 2521 y: BTP s: Descrip	OUT AND PING PLAN 0 10' 20' =20' 23 F.B. #: Approved By: BNB
REEN S S) ET TRE BOVE I T ON TH IT STREE	TREES 17 TREES 18 TREES 7 79 ES REQUIRE LIST DOES N HIS LIST SHA EM TREES	The Contractor sh generate drawing 25. In accordance wit replace all broken as directed by the 26. An approved eros activity 27. Individual residen the Town once th approved PI SCIENTIFIC NA QUERCUS RUBR ACER RUBRUN TILIA TOMENTO PRUNUS PENSYLVA MORUS RUBRA CERCIS CANADEN DIOSPYROS VIRGIN PINUS RIGIDA PINUS RIGIDA PINUS RIGIDA PINUS RIGIDA PINUS RIGIDA PINUS RIGIDA PINUS RIGIDA DIOSPYROS VIRGIN CERCIS CANADEN DIOSPYROS VIRGIN NORUS RUBRA CERCIS CANADEN DIOSPYROS VIRGIN VISUGA CANADEN SUGA CANADEN SUGA CANADEN CERCIS CANADEN DIOSPYROS VIRGIN PINUS RIGIDA PINUS RIGIDA PINUS RIGIDA PICEA MARIAN TSUGA CANADEN CALIPER, STREET OT INCLUDE ANY SPECIES LI LL BE PLANTED ON SITE. LANDSCAPING	s and for providing the actual of h Town of Manchester Ordina or damaged sidewalk and current of the Planning & Zoning permit a commercial unit streame permits a commercial units commercial uni	drawings to the nce 14-57, the rbs along the intervention is along the intervention is along the intervention is a set addresses application is a set addre	e Town. c Contractor shall frontage of the property t of any construction will be designated by complete and CONDITION B & B, 3" CAL. B & B, 3" CAL. C B & B, 3" CAL. C CAL.	3 Sheet De Sheet De Scale: 20 Date: De Project #: Drawn By Revisions Date:	SITE LAY ANDSCA ' 10' ' ecember 20, 20 : 2521 y: BTP s: Descrip	OUT AND PING PLAN 0 10' 20' =20' 23 F.B. #: Approved By: BNB
	TREES 17 18 TREES 7 7 7 7 FRESS ES REQUIRE IST DOES N HIS LIST SHA	The Contractor sh generate drawing 25. In accordance wit replace all broken as directed by the 26. An approved eros activity 27. Individual residen the Town once th approved PI SCIENTIFIC NA QUERCUS RUBR ACER RUBRUN TILIA TOMENTO PRUNUS PENSYLVA MORUS RUBRA CERCIS CANADEN DIOSPYROS VIRGIN PINUS RIGIDA PINUS RIGIDA PINUS RIGIDA PICEA MARIAN TSUGA CANADEN ILEX VERTICILLA ARONIA ARBUTIFO RHODODENDRON CAN VIBURNUM CASSIN VACCINIUM CORYME JUNIPERUS COMM	s and for providing the actual of h Town of Manchester Ordina or damaged sidewalk and current of the Planning & Zoning permit a commercial unit streater Planning & Zoning permit a common planning & Zoning permit a common planning & RED I a common planning & Comm	drawings to the nce 14-57, the rbs along the first along the f	e Town. c Contractor shall frontage of the property t of any construction will be designated by complete and CONDITION B & B, 3" CAL. B & B, 3" CAL. C B & B, 3" CAL. C CAL.	3 Sheet De Sheet De Scale: 20 Date: De Project #: Drawn By Revisions Date:	SITE LAY ANDSCA ' 10' ' ecember 20, 20 : 2521 y: BTP s: Descrip	OUT AND PING PLAN 0 10' 20' =20' 23 F.B. #: Approved By: BNB
	TREES 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	The Contractor sh generate drawing 25. In accordance wit replace all broken as directed by the 26. An approved eros activity 27. Individual residen the Town once th approved PI SCIENTIFIC NA QUERCUS RUBR ACER RUBRUN TILIA TOMENTO PRUNUS PENSYLVA MORUS RUBRA CERCIS CANADEN DIOSPYROS VIRGIN PINUS RIGIDA PINUS RIGIDA PINUS RIGIDA PICEA MARIAN TSUGA CANADEN ILEX VERTICILLA ARONIA ARBUTIFO RHODODENDRON CAN VIBURNUM CASSIN VACCINIUM CORYME JUNIPERUS COMM	s and for providing the actual of h Town of Manchester Ordina or damaged sidewalk and current of the Town. Sion control bond is required providing bond is required provided and commercial unit streated by the Planning & Zoning permit and the Planning & Red Mone &	drawings to the nce 14-57, the rbs along the first along the f	e Town. c Contractor shall frontage of the property t of any construction will be designated by complete and CONDITION B & B, 3" CAL. B & B, 3" CAL. C B & B, 3" CAL. B & B, 3" CAL. C B & B, 3" CAL. C CA	3 Sheet De Sheet De Scale: 20 Date: De Project #: Drawn By Revisions Date:	SITE LAY ANDSCA ' 10' ' ecember 20, 20 : 2521 y: BTP s: Descrip	OUT AND PING PLAN 0 10' 20' =20' 23 F.B. #: Approved By: BNB
	ITREES 7 7 7 7 7 7 7 7 7 7 7 7 7	The Contractor sh generate drawing 25. In accordance wit replace all broken as directed by the 26. An approved eros activity 27. Individual resider the Town once th approved PI SCIENTIFIC NA QUERCUS RUBR ACER RUBRUN TILIA TOMENTO PRUNUS PENSYLVA MORUS RUBRA CERCIS CANADEN DIOSPYROS VIRGIN PINUS RIGIDA PINUS RIGIDA PINUS RIGIDA PICEA MARIAN TSUGA CANADEN ILEX VERTICILLA ARONIA ARBUTIFO RHODODENDRON CAN VIBURNUM CASSINA VACCINIUM CORYME JUNIPERUS COMM	s and for providing the actual of h Town of Manchester Ordina or damaged sidewalk and current of the Town. Sion control bond is required providing bond is required provided by the Planning & Zoning permit and the Planning & Red Mone & Red Mo	drawings to the nce 14-57, the rbs along the first along the f	e Town. c Contractor shall frontage of the property t of any construction will be designated by complete and CONDITION B & B, 3" CAL. B & B, 3" CAL. C B & B, 3" CAL. B & B, 3" CAL. C B & B, 3" CAL. C CA	3 Sheet De Sheet De Scale: 20 Date: De Project #: Drawn By Revisions Date:	SITE LAY ANDSCA ' 10' ' ecember 20, 20 : 2521 y: BTP s: Descrip	OUT AND PING PLAN 0 10' 20' =20' 23 F.B. #: Approved By: BNB
	ITREES 7 7 7 7 7 7 7 7 7 7 7 7 7	The Contractor sh generate drawing 25. In accordance wit replace all broken as directed by the 26. An approved eros activity 27. Individual resider the Town once th approved PI SCIENTIFIC NA QUERCUS RUBR ACER RUBRUN TILIA TOMENTO PRUNUS PENSYLVA MORUS RUBRA CERCIS CANADEN DIOSPYROS VIRGIN PINUS RIGIDA PINUS RIGIDA PINUS RIGIDA PICEA MARIAN TSUGA CANADEN ILEX VERTICILLA ARONIA ARBUTIFO RHODODENDRON CAN VIBURNUM CASSINA VACCINIUM CORYME JUNIPERUS COMM SILE PLANTED ON SITE. ILANDSCAPING	s and for providing the actual of h Town of Manchester Ordina or damaged sidewalk and current of the Town. Sion control bond is required providing bond is required provided by the Planning & Zoning permit and the Planning & Red Mone & Red Mo	drawings to the nce 14-57, the rbs along the first along the f	e Town. c Contractor shall frontage of the property t of any construction will be designated by complete and CONDITION B & B, 3" CAL. B & B, 3" CAL. C B & B, 3" CAL. B & B, 3" CAL. C B & B, 3" CAL. C CA	3 Sheet De Sheet De Scale: 20 Date: De Project #: Drawn By Revisions Date:	SITE LAY ANDSCA ' 10' ' ecember 20, 20 : 2521 y: BTP s: Descrip	OUT AND PING PLAN 0 10' 20' =20' 23 F.B. #: Approved By: BNB
REEN S S S COUS S S S S S S S S S S S S S S S S S S	TREES TREES TREES TREES TREES TREQUIRE ST DOES N ST DOES N ST DOES N ST TREES TREQUIRE ST DOES N ST TREES TREQUIRE ST TREES TREP ST TREES TREP ST TREES TREQUIRE ST TREES TREP ST	The Contractor sh generate drawing 25. In accordance wit replace all broken as directed by the 26. An approved eros activity 27. Individual residen the Town once th approved PI SCIENTIFIC NA QUERCUS RUBR ACER RUBRUN TILIA TOMENTO PRUNUS PENSYLVA MORUS RUBR CERCIS CANADEN DIOSPYROS VIRGIN DIOSPYROS VIRGIN PINUS RIGIDA PICEA MARIAN TSUGA CANADEN ILEX VERTICILLA ARONIA ARBUTIFO RHODODENDRON CAN VIBURNUM CASSIN VACCINIUM CORYME JUNIPERUS COMM	s and for providing the actual of h Town of Manchester Ordina or damaged sidewalk and current of the Town. Sion control bond is required providing bond is required provided by the Planning & Zoning permit and the Planning & Red Mone & Red Mo	drawings to the nce 14-57, the rbs along the first along the f	e Town. c Contractor shall frontage of the property t of any construction will be designated by complete and CONDITION B & B, 3" CAL. B & B, 3" CAL. C B & B, 3" CAL. B & B, 3" CAL. C B & B, 3" CAL. C CA	3 Sheet De Sheet De Scale: 20 Date: De Project #: Drawn By Revisions Date:	SITE LAY ANDSCA ' 10' ' ecember 20, 20 : 2521 y: BTP s: Descrip	OUT AND PING PLAN 0 10' 20' =20' 23 F.B. #: Approved By: BNB
REEN S S S S C S S C S S C S S C S S C S S C S C S S C S S C S S C S S C S S C S S C S S C S S C S S C S S C S S C S S C S S C S S S S S S S S S S S S S S S S S S S S	TREES TREES TREES TREES TREES TREES TREQUIRE LIST DOES N TS LIST SHA TREES TREQUIRE LIST SHA TREES TREQUIRE LIST COES N TS LIST SHA TREES TREQUIRE LIST COES N TS LIST SHA TREES TREQUIRE LIST COES N TS LIST SHA TREES	The Contractor sh generate drawing 25. In accordance with replace all broken as directed by the 26. An approved eros activity 27. Individual resident the Town once th approved PI SCIENTIFIC NA QUERCUS RUBR ACER RUBRUM TILIA TOMENTO PRUNUS PENSYLVA MORUS RUBRA CERCIS CANADEN DIOSPYROS VIRGIN PINUS RIGIDA PINUS RIGIDA PINUS RIGIDA PICEA MARIAN TSUGA CANADEN ILEX VERTICILLA ARONIA ARBUTIFO RHODODENDRON CAN VIBURNUM CASSIN VACCINIUM CORYME JUNIPERUS COMM SMIN. OF 3" CALIPER. STREET OT INCLUDE ANY SPECIES LI LLANDSCAPING SCAPE 1,00	s and for providing the actual of h Town of Manchester Ordina or damaged sidewalk and current of the Town. Sion control bond is required providing bond is required provided by the Planning & Zoning permit and the Planning & Red Mone & Red Mo	drawings to the nce 14-57, the rbs along the first along the f	e Town. c Contractor shall frontage of the property t of any construction will be designated by complete and CONDITION B & B, 3" CAL. B & B, 3" CAL. C B & B, 3" CAL. B & B, 3" CAL. C B & B, 3" CAL. C CA	Sheet De Sheet De Stale: 20 Date: De Project #: Drawn By Revisions Date: 02/05/202	SITE LAY ANDSCA ' 10' ' ecember 20, 20 : 2521 y: BTP s: Descrip	OUT AND PING PLAN 0 10' 20' =20' 23 F.B. #: Approved By: BNB
REEN S S S S COUS S S S S S S S S S S S S S S S S S S	TREES 17 TREES 18 TREES 7 7 79 ES REQUIRE IST DOES N 18 IST SHA EM EM EM TREES FT. OF LANE G AND MMISS	The Contractor sh generate drawing 25. In accordance with replace all broken as directed by the 26. An approved eros activity 27. Individual residen the Town once th approved PI SCIENTIFIC NA QUERCUS RUBF ACER RUBRUN TILIA TOMENTO PRUNUS PENSYLVA MORUS RUBRA CERCIS CANADEN DIOSPYROS VIRGIN PINUS RIGIDA PINUS RIGIDA PINUS RIGIDA PICEA MARIAN TSUGA CANADEN ILEX VERTICILLA ARONIA ARBUTIFO RHODODENDRON CAN VIBURNUM CASSIN VACCINIUM CORYME JUNIPERUS COMM SIMIN. OF 3" CALIPER. STREET OT INCLUDE ANY SPECIES LI LL BE PLANTED ON SITE. ILANDSCAPING	s and for providing the actual of h Town of Manchester Ordina or damaged sidewalk and current of the Town. Sion control bond is required providing bond is required provided by the Planning & Zoning permit and the Planning & Red Mone & Red Mo	drawings to the nce 14-57, the rbs along the first along the f	e Town. c Contractor shall frontage of the property t of any construction will be designated by complete and CONDITION B & B, 3" CAL. B & B, 3" CAL. C B & B, 3" CAL. B & B, 3" CAL. C B & B, 3" CAL. C CA	Sheet De Sheet De Stale: 20 Date: De Project #: Drawn By Revisions Date: 02/05/202	SITE LAY ANDSCA ' 10' ' ecember 20, 20 : 2521 y: BTP s: Descrip	OUT AND PING PLAN 0 10' 20' =20' 23 F.B. #: Approved By: BNB
REEN S S S S COUS S S S S S S S S S S S S S S S S S S	TREES TREES TREES TREES TREES TREES TREQUIRE LIST DOES N TS LIST SHA TREES TREQUIRE LIST SHA TREES TREQUIRE LIST COES N TS LIST SHA TREES TREQUIRE LIST COES N TS LIST SHA TREES TREQUIRE LIST COES N TS LIST SHA TREES	The Contractor sh generate drawing 25. In accordance with replace all broken as directed by the 26. An approved eros activity 27. Individual residen the Town once th approved PI SCIENTIFIC NA QUERCUS RUBF ACER RUBRUN TILIA TOMENTO PRUNUS PENSYLVA MORUS RUBRA CERCIS CANADEN DIOSPYROS VIRGIN PINUS RIGIDA PINUS RIGIDA PINUS RIGIDA PICEA MARIAN TSUGA CANADEN ILEX VERTICILLA ARONIA ARBUTIFO RHODODENDRON CAN VIBURNUM CASSIN VACCINIUM CORYME JUNIPERUS COMM SIMIN. OF 3" CALIPER. STREET OT INCLUDE ANY SPECIES LI LL BE PLANTED ON SITE. ILANDSCAPING	s and for providing the actual of h Town of Manchester Ordina or damaged sidewalk and current of the Town. Sion control bond is required providing bond is required provided by the Planning & Zoning permit and the Planning & Red Mone & Red Mo	drawings to the nce 14-57, the rbs along the first along the f	e Town. c Contractor shall frontage of the property t of any construction will be designated by complete and CONDITION B & B, 3" CAL. B & B, 3" CAL. C B & B, 3" CAL. B & B, 3" CAL. C B & B, 3" CAL. C CA	Sheet De Sheet De Stale: 20 Date: De Project #: Drawn By Revisions Date: 02/05/202	scription: SITE LAY ANDSCA ' 10' ' 10' ' 2521 y: BTP s: Descrip 24 Revise	OUT AND PING PLAN
REEN S S S S COUS S S S S S S S S S S S S S S S S S S	TREES 17 TREES 18 TREES 7 7 79 ES REQUIRE IST DOES N 18 IST SHA EM EM EM TREES FT. OF LANE G AND MMISS	The Contractor sh generate drawing 25. In accordance with replace all broken as directed by the 26. An approved eros activity 27. Individual residen the Town once th approved PI SCIENTIFIC NA QUERCUS RUBF ACER RUBRUN TILIA TOMENTO PRUNUS PENSYLVA MORUS RUBRA CERCIS CANADEN DIOSPYROS VIRGIN PINUS RIGIDA PINUS RIGIDA PINUS RIGIDA PICEA MARIAN TSUGA CANADEN ILEX VERTICILLA ARONIA ARBUTIFO RHODODENDRON CAN VIBURNUM CASSIN VACCINIUM CORYME JUNIPERUS COMM SIMIN. OF 3" CALIPER. STREET OT INCLUDE ANY SPECIES LI LL BE PLANTED ON SITE. ILANDSCAPING	s and for providing the actual of h Town of Manchester Ordina or damaged sidewalk and current of the Town. Sion control bond is required providing bond is required provided by the Planning & Zoning permit and the Planning & Red Mone & Red Mo	drawings to the nce 14-57, the rbs along the first along the f	e Town. c Contractor shall frontage of the property t of any construction will be designated by complete and CONDITION B & B, 3" CAL. B & B, 3" CAL. C B & B, 3" CAL. B & B, 3" CAL. C B & B, 3" CAL. C CA	Sheet De Sheet De Stale: 20 Date: De Project #: Drawn By Revisions Date: 02/05/202	scription: SITE LAY ANDSCA ' 10' ' 10' ' 2521 y: BTP s: Descrip 24 Revise	OUT AND PING PLAN
REEN S S S S COUS S S S S S S S S S S S S S S S S S S	TREES 17 TREES 18 TREES 7 7 79 ES REQUIRE IST DOES N 18 IST SHA EM EM EM TREES FT. OF LANE G AND MMISS	The Contractor sh generate drawing 25. In accordance with replace all broken as directed by the 26. An approved eros activity 27. Individual residen the Town once th approved PI SCIENTIFIC NA QUERCUS RUBF ACER RUBRUN TILIA TOMENTO PRUNUS PENSYLVA MORUS RUBRA CERCIS CANADEN DIOSPYROS VIRGIN PINUS RIGIDA PINUS RIGIDA PINUS RIGIDA PICEA MARIAN TSUGA CANADEN ILEX VERTICILLA ARONIA ARBUTIFO RHODODENDRON CAN VIBURNUM CASSIN VACCINIUM CORYME JUNIPERUS COMM SIMIN. OF 3" CALIPER. STREET OT INCLUDE ANY SPECIES LI LL BE PLANTED ON SITE. ILANDSCAPING	s and for providing the actual of h Town of Manchester Ordina or damaged sidewalk and current of the Town. Sion control bond is required providing bond is required provided by the Planning & Zoning permit and the Planning & Red Mone & Red Mo	drawings to the nce 14-57, the rbs along the first along the f	e Town. c Contractor shall frontage of the property t of any construction will be designated by complete and CONDITION B & B, 3" CAL. B & B, 3" CAL. C B & B, 3" CAL. B & B, 3" CAL. C B & B, 3" CAL. C CA	Sheet De Sheet De Stale: 20 Date: De Project #: Drawn By Revisions Date: 02/05/202	scription: SITE LAY ANDSCA ' 10' ' 10' ' 2521 y: BTP s: Descrip 24 Revise	OUT AND PING PLAN 0 10' 20' =20' 23 F.B. #: Approved By: BNB
REEN S S S S COUS S S S S S S S S S S S S S S S S S S	TREES 17 TREES 18 TREES 7 7 79 ES REQUIRE IST DOES N 18 IST SHA EM EM EM TREES FT. OF LANE G AND MMISS	The Contractor sh generate drawing 25. In accordance with replace all broken as directed by the 26. An approved eros activity 27. Individual residen the Town once th approved PI SCIENTIFIC NA QUERCUS RUBF ACER RUBRUN TILIA TOMENTO PRUNUS PENSYLVA MORUS RUBRA CERCIS CANADEN DIOSPYROS VIRGIN PINUS RIGIDA PINUS RIGIDA PINUS RIGIDA PICEA MARIAN TSUGA CANADEN ILEX VERTICILLA ARONIA ARBUTIFO RHODODENDRON CAN VIBURNUM CASSIN VACCINIUM CORYME JUNIPERUS COMM SIMIN. OF 3" CALIPER. STREET OT INCLUDE ANY SPECIES LI LL BE PLANTED ON SITE. ILANDSCAPING	s and for providing the actual of h Town of Manchester Ordina or damaged sidewalk and current of the Town. Sion control bond is required providing bond is required provided by the Planning & Zoning permit and the Planning & Red Mone & Red Mo	drawings to the nce 14-57, the rbs along the first along the f	e Town. c Contractor shall frontage of the property t of any construction will be designated by complete and CONDITION B & B, 3" CAL. B & B, 3" CAL. C B & B, 3" CAL. B & B, 3" CAL. C B & B, 3" CAL. C CA	Sheet De Sheet De Stale: 20 Date: De Project #: Drawn By Revisions Date: 02/05/202	scription: SITE LAY ANDSCA ' 10' ' 10' ' 2521 y: BTP s: Descrip 24 Revise	OUT AND PING PLAN

Reg. No.

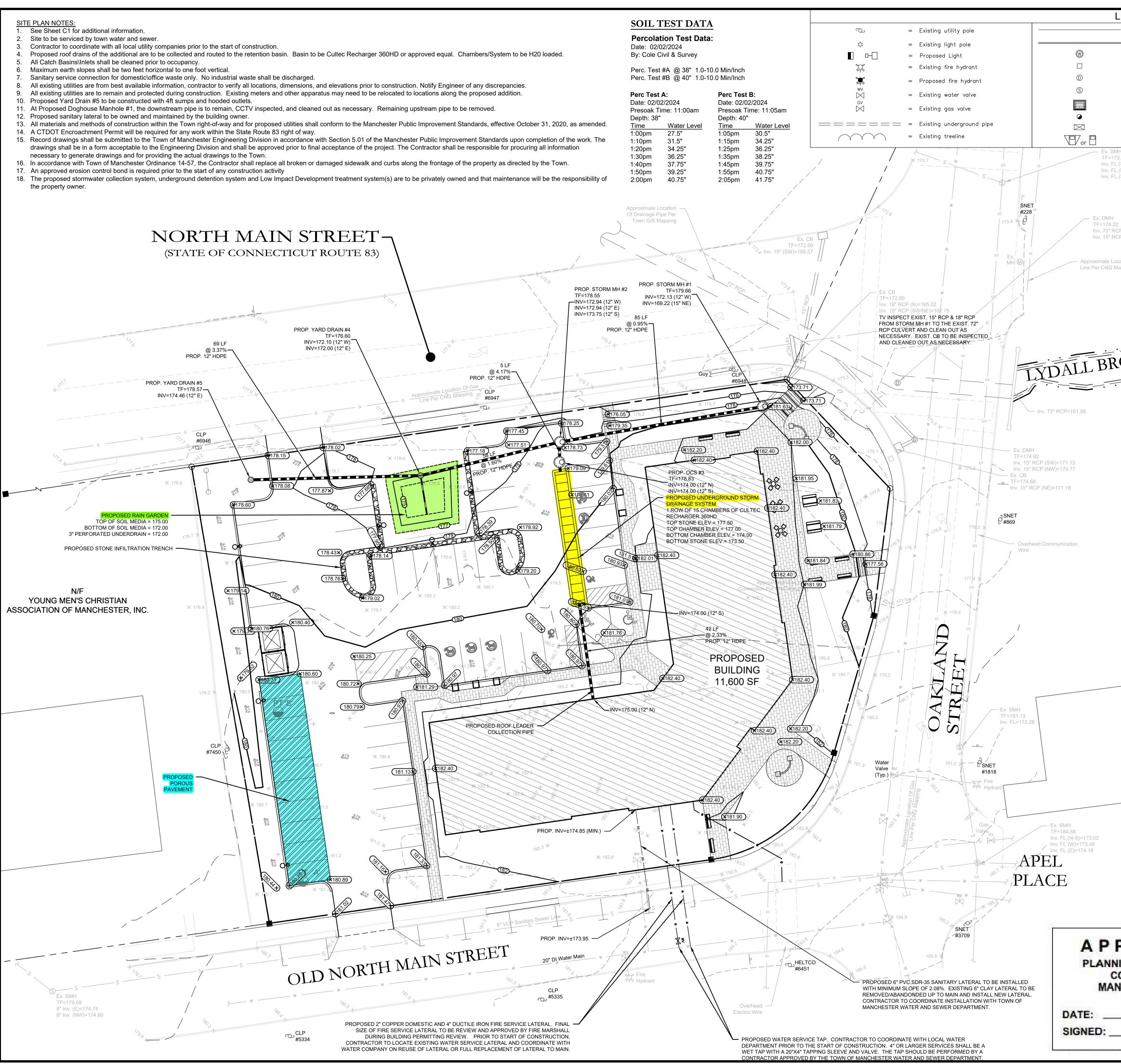
Barton N. Bovee P.E.

NOT VALID UNLESS EMBOSSED SEAL OR STAMP IS AFFIXED HERETC



- 5. All Catch Basins\Inlets shall be cleaned prior to occupancy.

- necessary to generate drawings and for providing the actual drawings to the Town.



EGEND				
 Existing edge of pavement 	000	= Existing contour		
= Proposed curbing	×000.0	 Existing spot elevation 		
 Existing/Proposed well Existing catch basin 		- = Proposed contour		
= Existing drainage manhole	<u>€000.0</u> TP	= Proposed spot elevation		
= Existing sanitary manhole	PT	= Deep test location		
= Proposed catch basin	G.T.D.	Percolation test locationGrade to drain		
Proposed manholeExisting utility box	₩	= Proposed Riprap		
= Proposed sidewalk ramp		= Proposed Drainage Pipe	NORTH	
H 3.60 (SW)=163.20 W	TOWN OF MANCHEST ATER AND SANITARY SEWER CONS			
(N)=162.45 (C)=162.45	FOR P&Z PROJECTS			
OF ANY CONSTR	UCTION ACTIVITY. OR SHALL BE RESPONSIBLE FOR OBT			
PRIOR TO ANY C	CONSTRUCTION ACTIVITY.		cole	
DRAWINGS ARE	OF EXISTING UNDERGROUND UTILI FROM THE BEST AVAILABLE SOURC Y FOR THE INFORMATION OF THE CO	ES. SUCH INFORMATION IS	HARRY E. COLE & SON	
P (NW)=159.18 P (SE)=160.76 4. THE CONTRACTO	OR SHALL CONTACT "CALL BEFORE '	VOLUDIC" AT 1 800 922 4455 AT	engineering, surveying, planni	ng.
LEAST 48 HOURS	S PRIOR TO THE START OF ANY CONS	STRUCTION ACTIVITY.		
	OF ALL PROPOSED UNDERGROUND TRIC, ETC.) SHALL BE APPROVED BY		876 South Main Street Tel: (860) 628-4 P.O. Box 44 Fax: (860) 620-4	0196
6. ALL MATERIALS	S AND METHODS OF CONSTRUCTION OF THE LATEST REVISION OF THE TO		Plantsville, CT 06479 - 0044 www.hecole	.com
IMPROVEMENT	STANDARDS".			
BE PROVIDED FF	CROSSINGS A MINIMUM 18" VERTICA ROM WATER OR SEWER UTILITIES UN AS APPROVED BY THE TOWN. A CONC	NLESS INDICATED OTHERWISE ON	PROJECT NAME:	
IF A MINIMUM V TOWN. A MINIM		F LESS THAN 12" IS ALLOWED BY THE ANCE OF 10' SHALL BE PROVIDED		
BETWEEN WATE SEPARATION DIS	ER OR SEWER UTILITIES AND GAS MA STANCE BETWEEN WATER OR SEWER	AINS. PROVIDE 5' MINIMUM R UTILITIES AND STORM DRAIN	PROPOSED	
LINES. PROVIDE CATCH BASINS.	2' MINIMUM SEPARATION DISTANCI	E BETWEEN WATER MAINS AND	MIXED-USE	
PROVIDED BY M	EANS OF DUCTILE IRON RESTRAINED		DEVELOPMENT	[
DUCTILE IRON P VALVES OR FITT	TINGS. NO MORE THAN ONE PIPE JOIN	LEAST 27 FEET ON EACH SIDE OF ALL		
THAT 27 FEET OI 9. ALL VALVE BOX	F PIPE. KES AND CURB BOXES SHALL BE ADJ	USTED TO THE FINAL GRADES. ALL	14 North Main Street	
	ALL BE LOCATED IN GRASSED AREA UNLESS INDICATED OTHERWISE ON T		Manchester, Connecticut	
LEFT-OPENING (D HYDRANTS SHALL BE EITHER RIG COUNTER CLOCKWISE) BASED ON TH	HEIR LOCATION IN TOWN. THE		
MATERIALS ANI	HALL VERIFY THE DIRECTION OF OPI D BEGINNING CONSTRUCTION. ALL M UDING 12") SHALL BE RESILIENT WE	MAIN LINE AND AUXILIARY VALVES		
		R UNLESS OTHERWISE INDICATED ON 2 FEET SHALL BE ALLOWED ONLY AS		
	THE PLANS OR APPROVED BY THE TO FEET SHALL BE INSULATED.	OWN. WATER MAINS HAVING COVER		
PART OF THE FU	/ATER OR SANITARY SEWER SERVICI TURE DEVELOPMENT SHALL BE ABA VITH PROCEDURES SET FORTH BY TH	ANDONED AT THE MAIN IN		
13. ALL WELLS SHA	LL BE ABANDONED IN ACCORDANCI	E WITH THE PROCEDURES SET	3 SQUARED, LLC	2
STATE OF CONN BOARD. THE TO	ULES OF PRACTICE AND REGULATIO ECTICUT, DEPARTMENT OF CONSUM WN SHALL BE NOTIFIED 48 HOURS IN	IER PROTECTION, WELL DRILLING	` ,	
ABANDONMENT 14. ALL PROPOSED	`. WATER AND SEWER EASEMENTS SHA	ALL BE DESCRIBED BY METES AND		
BOUNDS. PROPO THE TOWN CLER	SED EASEMENTS SHALL BE APPROV RK PRIOR TO MAKING A REQUEST FO ME AND PAGE REFERENCES FOR ALL	ED BY THE TOWN AND FILED WITH R A CERTIFICATE OF OCCUPANCY.		
EASEMENTS.	IS WITHIN AN AQUIFER PROTECTION			
FOR THE STORA SUBMITTED TO A	GE OR USE OF ANY POTENTIALLY HA AND APPROVED BY THE TOWN PRIOF	AZARDOUS MATERIALS SHALL BE		
	OR SHALL BE RESPONSIBLE FOR TEM		Sheet Description:	
	DURING CONSTRUCTION. METHODS DVED BY THE TOWN.	S OF HANDLING SEWAGE FLOWS		
	OR SHALL BE RESPONSIBLE FOR PRO T MAY BE REQUIRED.	WIDING ANY TEMPORARY THRUST	SITE	
INDICATED ON T	YDRANTS TO BE REMOVED OR REPL THE PLANS OR AS DIRECTED BY THE 10VED FROM THE ROADWAY SHALL	TOWN. ALL OTHER MATERIALS	DEVELOPMENT	
	AND DISPOSED OF PROPERLY, UNLESS		PLAN	
	C OR FIRE WATER SERVICES GREATE PROPOSED TO BE CONNECTED TO TH			
SLEEVE AND VA USED.	LVE A WET TAP CONTRACTOR PREA	PPROVED BY THE TOWN SHALL BE	Scale:	
			20' 10' 0 10' 20'	
			1"=20'	
			Date: December 20, 2023	
			Project #: 2521 F.B. #: Drawn By: BTP Approved By: BN	B
			Revisions:	-
			Date:Descriptions:02/05/2024Revised per Town Comment	
		\mathbf{m}	02/05/2024 Revised per Town Comme	/110
	<u> </u>	Know what's below.		
PROVED		Call before you dig.		
장님 것이 같은 것은 그렇는 것이야? 것이 ^^^^			Sheet #:	
ING AND ZONING OMMISSION	NUME OF CO	NNEC HILL	Sneet #.	
CHESTER, CT		***		
		53 NSED	$ C^2$	
	SSION	AL END TH		
	Barton N. Bove	#13653 ee P.E. Reg. No.	-	
	NOT VALID UNLESS EMBOS	SSED SEAL OR STAMP IS AFFIXED HERETO		

SOIL EROSION AND SEDIMENT CONTROL NARRATIVE: PROJECT INFORMATION Project Description - The project site consist of one 1.24 acre parcel on 14 North Main Street in Manchester, CT. Area Proposed Disturbance Due to Construction Activities - 1.3± Acres Total. Estimated Start of Construction - Spring 2024. Estimated Construction Completion Date - Summer 2026. B. <u>SEQUENCE OF CONSTRUCTION</u> The tentative sequence of construction events are as follows and activities noted by a "(Capital Letter)" may occur concurrently. Conduct a pre-construction meeting with the OWNER, Contractor, Consultant Team, and Local, County and State agencies having jurisdiction over the project.

- Field stakeout the limits of all activities and at a minimum idetify the construction limit lines along environmentally sensitive and tree protection areas. Silt fencing may be used where it coincides with this line, but only as approved by the OWNER. (A)
- Install silt fence along sides of contiguous to wetlands, watercourses and property owned by others affected by the work. Refer to the Soil Erosion and Sedimentation Control Plan for locations. (A) Construct detention basins and stabilize immediatly following construction. All slopes greater than 3:1 to be matted or hydro seeded with tackifier
- . Construct detention basins and stabilize immediatly following construction. All slopes greater than 3:1 to be matted or nyoro seeded with tackiner . Prior to and after each rain storm monitor the sedimentation and erosion control structures, which may include riprap channels, sediment basins, plunge pools, etc. Routinely remove sediment during construction
- when controls exceed one half (1/2) their capacity, sediment shall be disposed of in an environmentally acceptable manner at an approved location. (A) 6. Clear vegetation within project limits, except trees designated to remain or in question, as shown on the plans. The decision of how questionable trees are to be treated shall rest with the OWNER and coordinated through the local agency having jurisdiction as construction progresses. All trees and shrubs less than 6" in diameter, and not to remain, shall be chipped and stored on site for mulch. (A)
- *Remove stumps and dispose of at a bulky waste site approved by the ENGINEER and local official having jurisdiction. Disposal of stumps within burial pits on-site shall be prohibited. (B)*.
- 8. Construct all temporary sedimentation and erosion control structures, including but not limited to: silt fence, stone check dams and water breaks. All structures and their locations shall be approved by the ENGINEER or the Inland Wetlands Enforcement Officer. Prior to the next phase of construction. (B)
- 9. Install drainage outfall pipe and temporary sediment basin along with temporary drainage diversions to sediment basin.
- 10. Strip topsoil and subsoil materials as required and stockpile them at locations that will not adversely impact any down gradient wetlands. Stockpiles may be relocated to meet job conditions but are subject to the ENGINEER'S approval. Provide temporary erosion controls on the downside slopes of all stockpiles. (B)
- 11. Bring proposed site entrance surface areas to rough subgrade.
- 12. Conduct all rough cuts and fills for proposed houses, roads and utility installations. Making sure that all fill material is free of brush, rubbish, large boulders, logs, stumps and other objectionable materials. (C)
- If blasting is required for any cuts, all proposed work is to be coordinated with all local officials having jurisdiction. The contractor is required to secure all permits for blasting operations in accordance with local and state regulations and conduct a pre-blast survey of surrounding properties. Rock spoil is to be disposed of in an appropriate manner as the site development plan may show or is locally permitted. (C)
 Provide temporary seeding measures on all exposed soil which were damaged due to construction activities, are outside of construction traffic zones, and are not to be permanently restored or for a period in excess of thirty (30) days. Seeding and seedbed preparation are as specified herein or as indicated on the landscape plan. (C)
- Excavate for and install storm drainage systems. Install haybale ring sediment barriers at all catch basins locations. (C)
- 16. Excavate for and install utilities. (C)
- Bring proposed proposed roadway areas to pavement subgrade with processed stone and install binder course and curbing. Refer to details. (D)
 Construct all driveway entrance improvements as indicated on plans. (E)
- 19.
 Exercise final long-term stabilization. (E)
- 20. Complete final paving with top course. (E)
- Clean and remove all silt from within drainage structures and dispose of materials in an environmentally acceptable manner. (F)
- Remove temporary measures once permanent measures have matured as approved by the Municipality's enforcement officer. (F)
 Conduct final inspection with Municipality to identify deficiencies and establish punch list based on approved plans; complete to the satisfaction of the Municipality.
- 24. Construction Staging:
 - a. Stage # 1 Rough grade site, stabilize steep slopes. Construct temporary sedimentation control measures, detention and retention basins.
 - b. Stage #2 Install subsurface storm water systems, install underground utilities and first coat pavement.
 c. Stage #3 Finish grade site and loam and seed all disturbed areas.
- c. Stage #3 Finish grade site and loam and seed all disturbe
 25. All dewatering to be directed into filter bags.
- C DECONICIBILITY

C.	KESPONSIBILITY	
1.	The responsibility for implementing and maintain	ing the Soil Erosion and Sedimentation Control Plan rests with the OWNER OF RECORD where any development of the parcel gives cause to erosion and
	sedimentation. It is also to be said that the OWNI	ER OF RECORD shall be held responsible for informing all concerned regarding responsibility of the SE&SC plan and seeing that the plan becomes a part of the deed
	in the event the title of the property is transferred	I. The costs of all drainage erosion and sedimentation control measures will therefore rest with the OWNER OF RECORD.
2.	Contact Person: 3 Squared, LLC	Contact Phone: (860) 919-7078

X 178 6

GENERAL NOTES:

- 1. Additional notes and details are located on Sheet ES2.
- 2. At all times during construction, the Developer/Contractor shall be responsible for preventing and controlling on-site erosion including keeping the property sufficiently watered so as to minimize wind blown sediment. The Developer/Contractor shall also be responsible for installing and maintaining all erosion control facilities shown herein.
- 3. All soils exposed during land disturbing activity (stripping, grading, utility installations, stockpiling, filling, etc.) shall be kept in a roughened condition by ripping or disking along land contours until mulch, vegetation, or other permanent erosion control BMPs are installed. No soils in areas outside project street rights-of-way and future pavement shall remain exposed by land disturbing activity for more than thirty (30) days before required temporary or permanent erosion control (e.g. watering, seed/mulch, landscaping, etc.) is installed, unless otherwise approved by the Town Engineer.
- 4. All inlets shall be cleaned prior to occupancy.
- 5. All slopes greater than 3:1 shall be protected with Erosion Control Blankets (S150 by North American Green or approved equal) or Hydroseeded with Tackifier
- 6. All erosion control measures shall remain intact and operational until the site has been stabilized and vegetation is thoroughly established. This may occur after completion of construction, therefore it is critical for the Developer, Contractor and\or Owner to understand the erosion control responsibilities and maintain the erosion control measures.
- 7. To minimize erosion of the sandy soils, vegetation shall be established immediately following completion of grading within each area. Vegetation may consist of temporary seeding or final loam and seed.
- 8. If areas of work are not addressed by this plan or sediment and erosion issues arise in areas not covered by this plan, then the plan shall be augmented in the field. Contractor shall be responsible to insure no sediment or erosion problems encroach upon abutting property. This may require additional barriers, swales and bales.
- 9. All erosion and sediment control measures shall conform to the 2002 Connecticut Guidelines for Soil Erosion and Sediment Control manual.

STORMWATER MANAGEMENT MAINTENANCE SCHEDULE

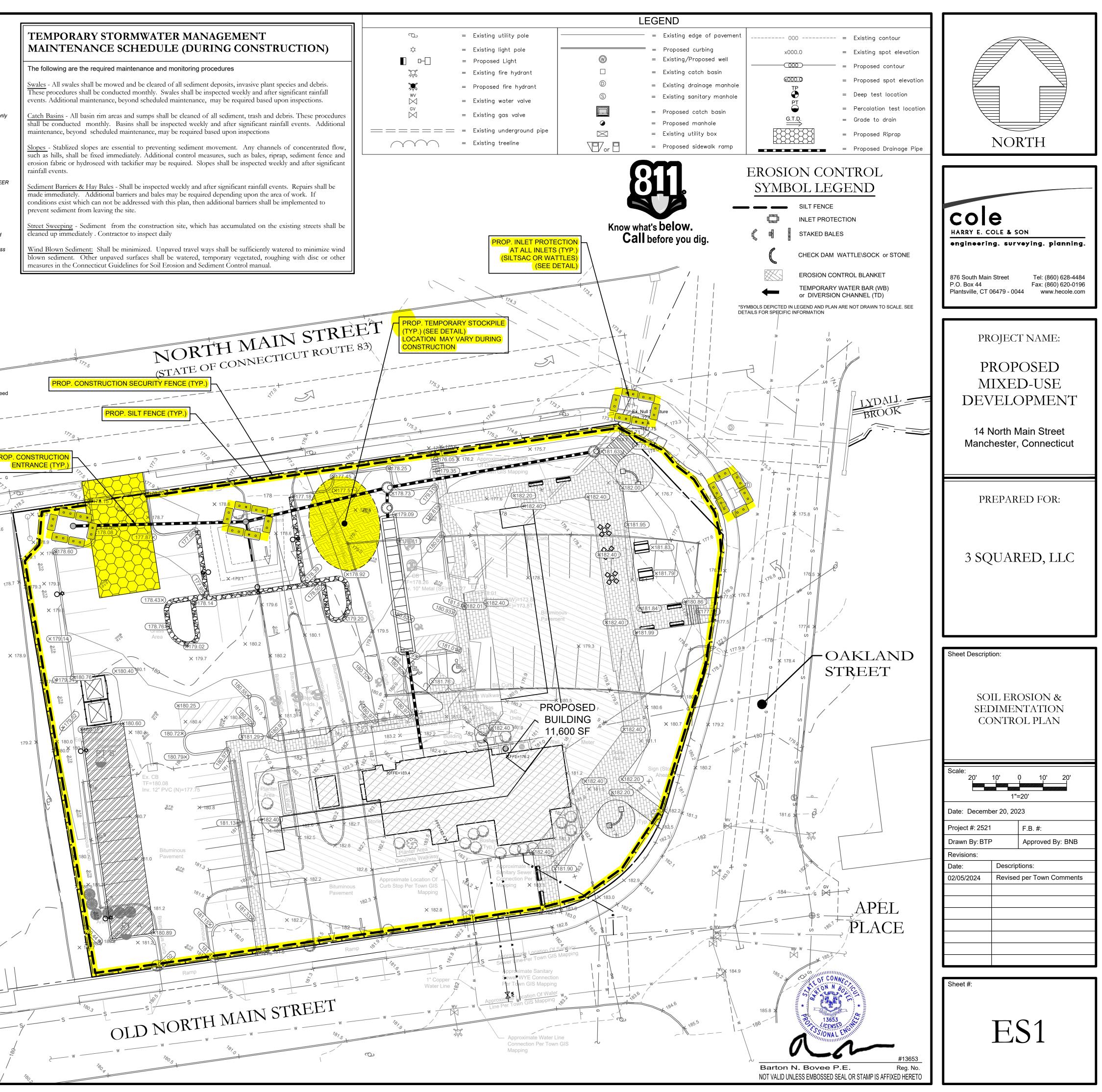
MANCHESTER, CONNECTICUT

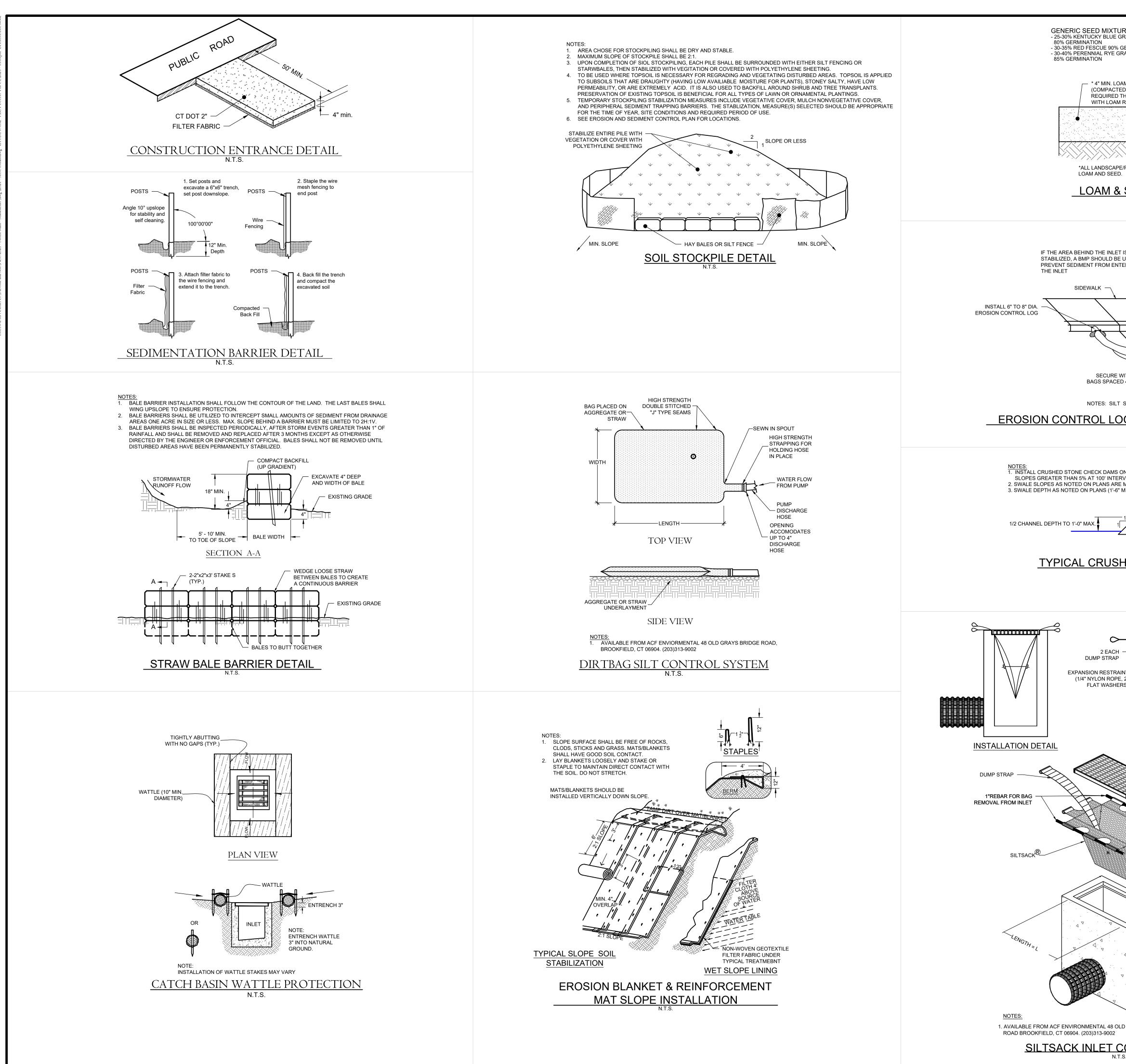
The following are the required maintenance and monitoring procedures.

<u>Riprap and Discharge Aprons</u> - Shall be cleared of all sediment deposits and invasive plant species and are to be inspected for rip-rap damage and deterioration. These procedures to be conducted yearly between May I and before September 15.
Catch Basins - All basin rim areas and sumps shall be cleaned of all sediment, trash and debris. These procedures to be conducted yearly anytime after May I and before September 15.
Swales - all swales be cleared of all sediment deposits, invasive plant species and debris. Any erosion shall be repaired. These procedures to be conducted annually. Swales shall be inspected two times a year and after significant rainfall events. Additional maintenance, beyond schedule maintenance, may be required based upon inspections.
Underground Storage Chambers - The underground storage chambers shall be inspected quarterly and cleaned of all sediment, trash and debris. These procedures to be conducted at minimum yearly anytime after May I and before September 15; or as neccesary dpending on condition following inspections.
Rain Garden / Detention Basin - Basin shall be cleared of all sediment deposits, invasive plant species and debris. These procedures to be conducted yearly between May 1 and September 15. Basin shall be inspected two times a year and after significant rainfall events. Additional maintenance, beyond scheduled maintenance, may be required based upon inspections.
Slopes - Slope erosion control blankets and vegetation shall be inspected twice a year and after significant rainfall events. Additional maintenance, beyond schedule maintenance, may be required based upon inspections. Any rills or channeling shall be repaired immediately
Parking Lot\Drive Sweeping - Use mechanical sweeping on paved areas where dust and fine materials accumulate. These procedures to be conducted yearly anytime after May I and before September 15. All sediment deposits, trash and debris shall be removed to a location off-site and disposed of in an environmentally acceptable manner.
Porous Pavement - System shall be inspected for dewatering between storms and cleared of all sediment deposits and debris on a monthly basis. The upland and adjacent grassesy and landscaped area shall be maintained and any sediment or mulch that spills onto the porous pavement will be blowed, swept or vacumed as required. The pavement should be vacummed at least twice a year, once prior and once after the winter season. Additional maintenance, beyond scheduled maintenance, may be required based upon inspections.
The following requirements will help assure that the pervious pavement system is maintained to preserve its effectiveness: i. Inspection of site shall occur monthly for the first few months after construction. Then inspections can occur on an annual basis, preferably after rain events when clogging can occur and be obvious. Permeable pavement requires minimal maintenance; however maintenance is absolutely necessary to ensure a proper working system.

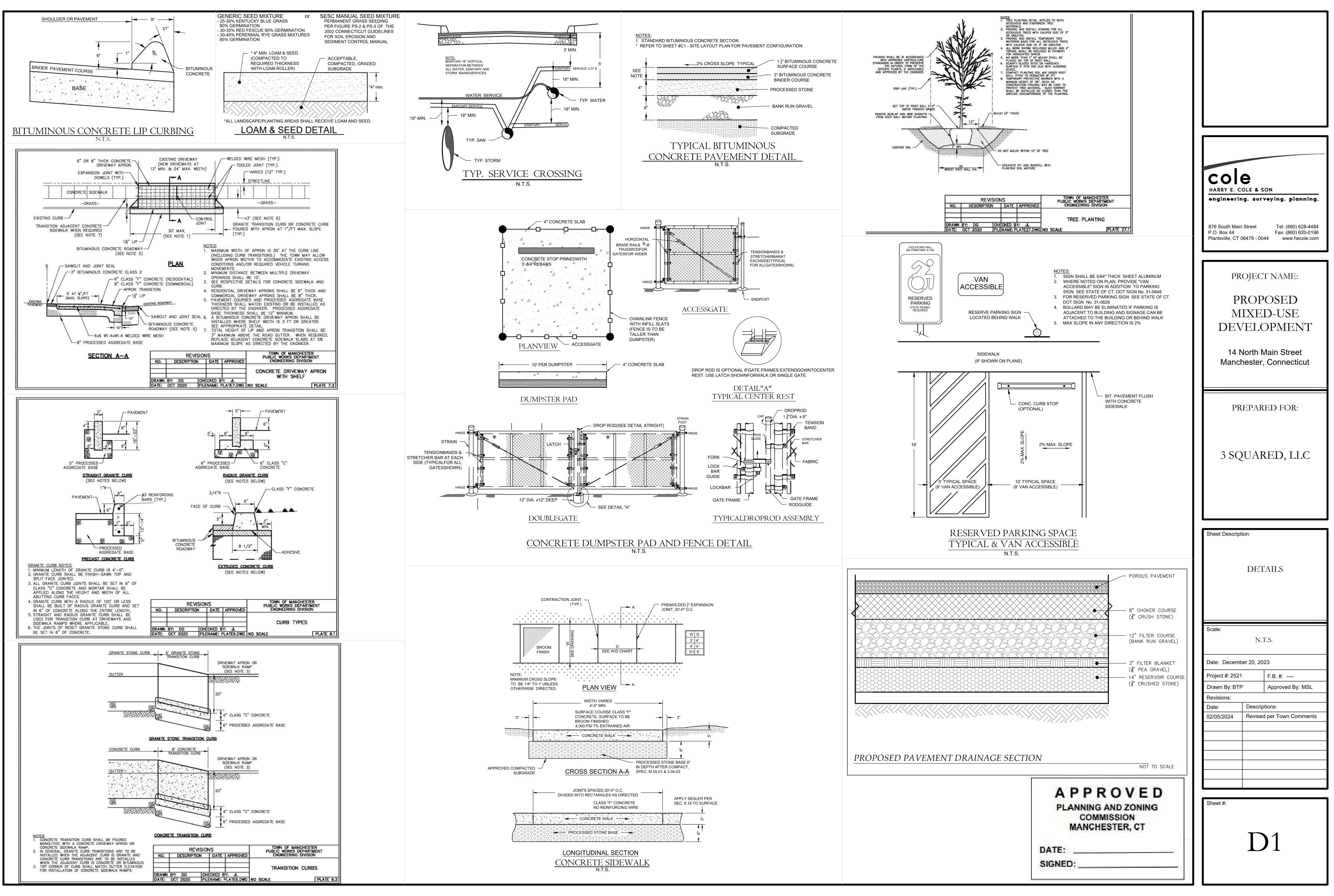
- ii. Asphalt seal coating is absolutely forbidden. Surface seal coating is not reversible.
 iii. Street sweepers with vacuums, water, and brushes can be used to restore permeability. Follow sweeping with high-pressure hosing of the surface pores. Surface should be vacuumed 4 times per
- year, and at any additional times sediment is spilled, eroded, or tracked onto the surface.
- iv. Planted areas adjacent to pervious pavement should be well maintained to prevent soil washout onto the pavement. If any bare spots or eroded areas are observed within the planted areas, they should be replanted and/or stabilized at once.
- v. Immediately clean any soil deposited on pavement. Superficial dirt does not necessarily clog the voids. However, dirt that is ground in repeatedly by tires can lead to clogging. Therefore, trucks or other heavy vehicles should be prevented from tracking or spilling dirt onto the pavement.
- vi. Do not allow construction staging, soil/mulch storage, etc. on unprotected pavement surface.
- vii. No winter sanding. Mechanical snow and ice removal preferred.
- viii. Deicing is permitted on pervious pavement in the winter. Minimize application of salt by reducing the application by 50% over traditional pavement.ix. Written and verbal communication to the porous pavement's future owner should make clear the special purpose and special maintenance requirements such as those listed here.
- All sediment deposits, trash and debris shall be removed to a location off_site and disposed of in an environmentally acceptable manner.

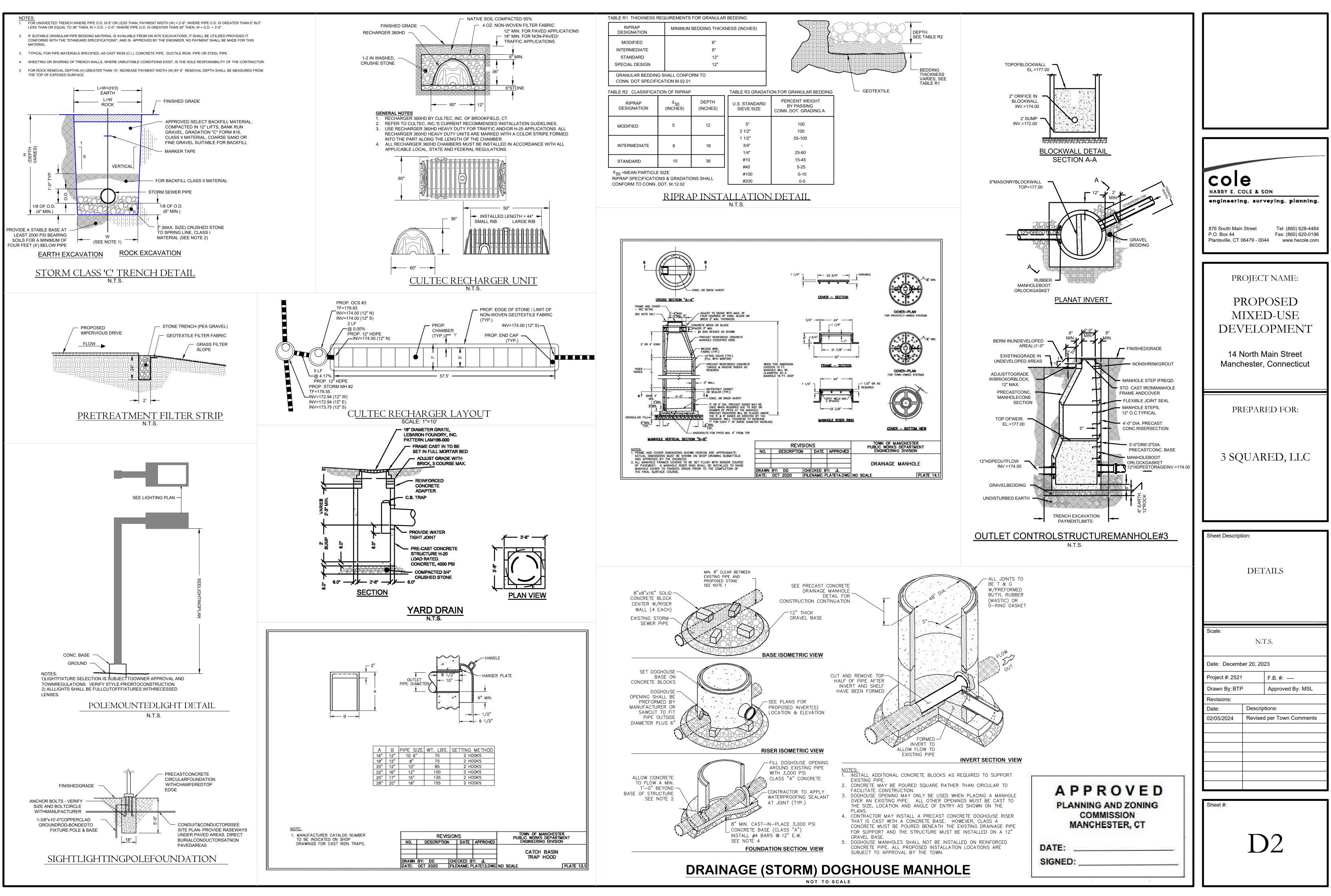
"The Planning and Zoning Commission certifies that the Soil and Erosion and Sedimentation Control Plan complies with the requirements of the Town of	APPROVED	
Manchester Regulations and the Connecticut Guidelines for Soil Erosion and Sedimentation Control dated 2002, as amended".	PLANNING AND ZONING COMMISSION MANCHESTER, CT	
Signature		<u>م</u> مs
	DATE:	
Date of Approval	SIGNED:	1 ⁹⁸⁷
		/

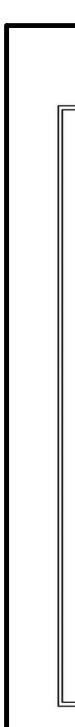


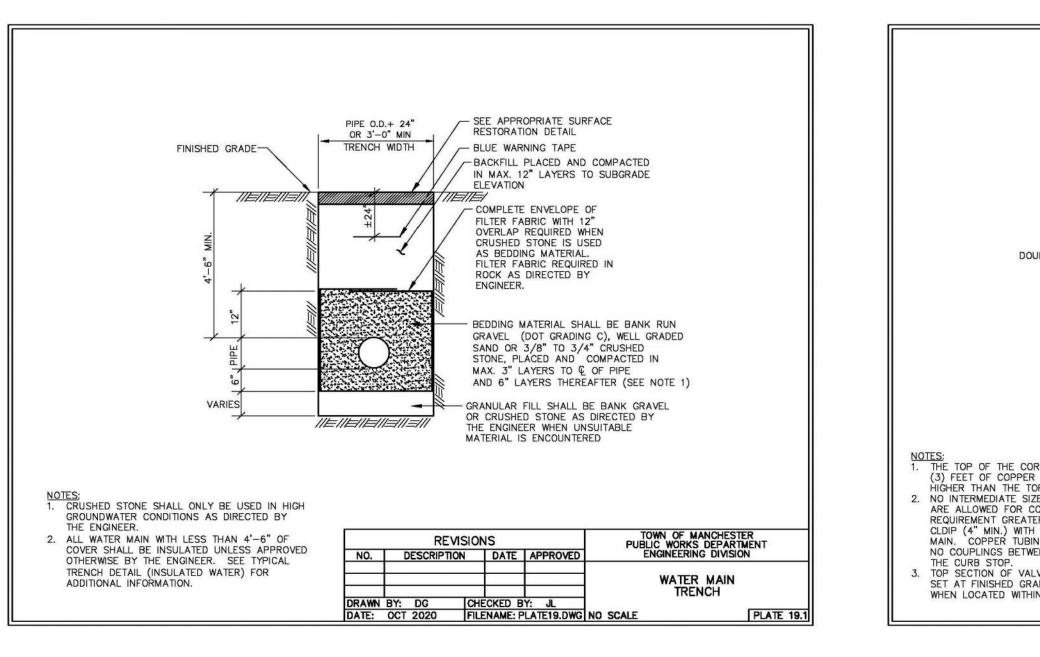


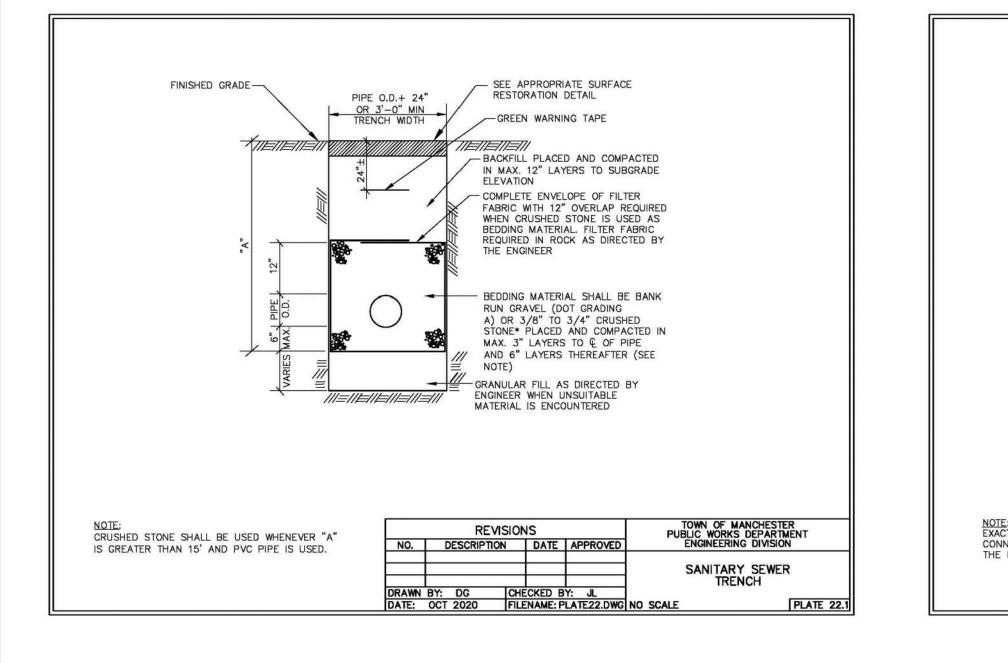
RE or RASS GERMINATION RASS MIXTURES SERMINATION RASS MIXTURES AM & SEED ED TO FHICKNESS ROLLER) SESC MANUAL SEED I PER FIGURE PS-2 & PS-3 2002 CONNECTICUT GUIL FOR SOIL EROSION AND SEDIMENT CONTROL MAI ACCEPTABLE, COMPACTED, GRADED SUBGRADE *4" r	DING OF THE JELINES NUAL	
PLANTING AREAS SHALL RECEIVE		
SEED DETAIL N.T.S.		COLE & SON
	BACK OF CURB	engineering. surveying. planning. 876 South Main Street Tel: (860) 628-4484 P.O. Box 44 Fax: (860) 620-0196 Plantsville, CT 06479 - 0044 www.hecole.com
		PROJECT NAME: PROPOSED MIXED-USE DEVELOPMENT 14 North Main Street Manchester, Connecticut
DN SWALES WITH AVALS. MINIMUM SLOPES. MIN.)		PREPARED FOR: 3 SQUARED, LLC
NT ,2" RS)		Sheet Description: SOIL EROSION & SEDIMENT CONTROL DETAILS
BAG DETAIL		Scale: N.T.S. Date: December 20, 2023 Project #: 2521 F.B. #: Drawn By: BTP Approved By: BNB Revisions: Date: Date: Descriptions: 02/05/2024 Revised per Town Comments
DEPOTH=N WIDTH=N	APPROVED	Sheet #:
D GRAYS BRIDGE CONTROL DEVICE S.	PLANNING AND ZONING COMMISSION MANCHESTER, CT DATE: SIGNED:	ES2

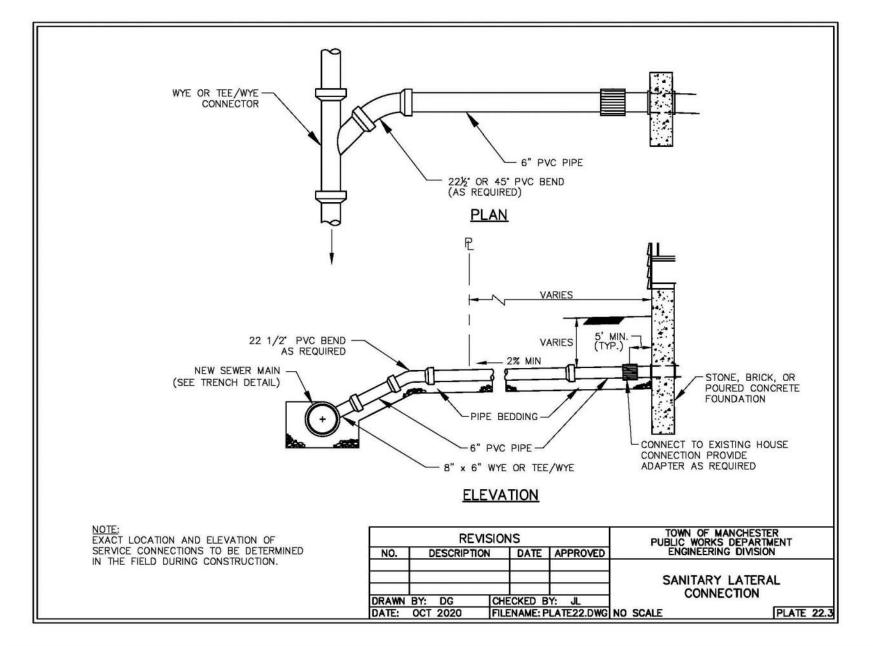




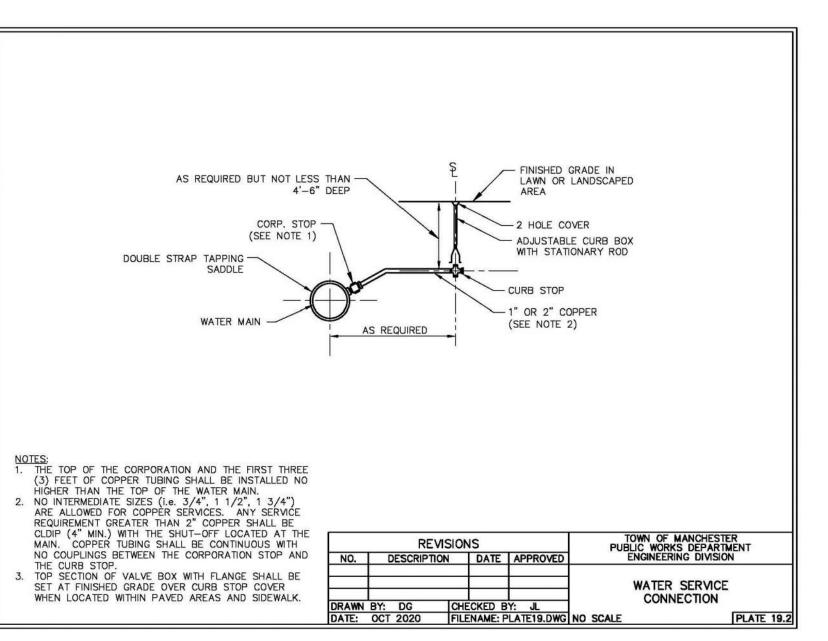


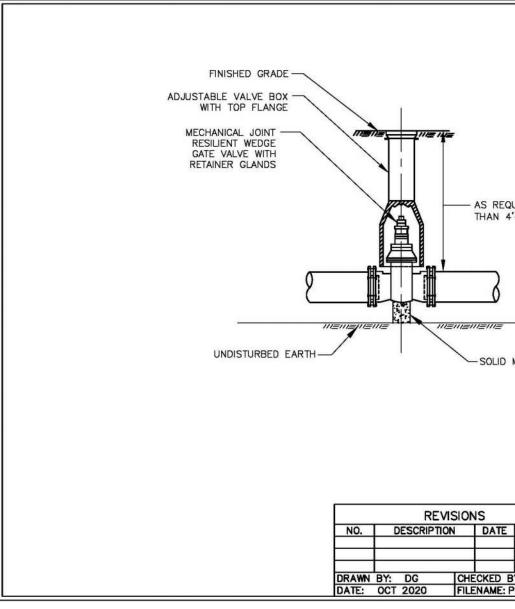


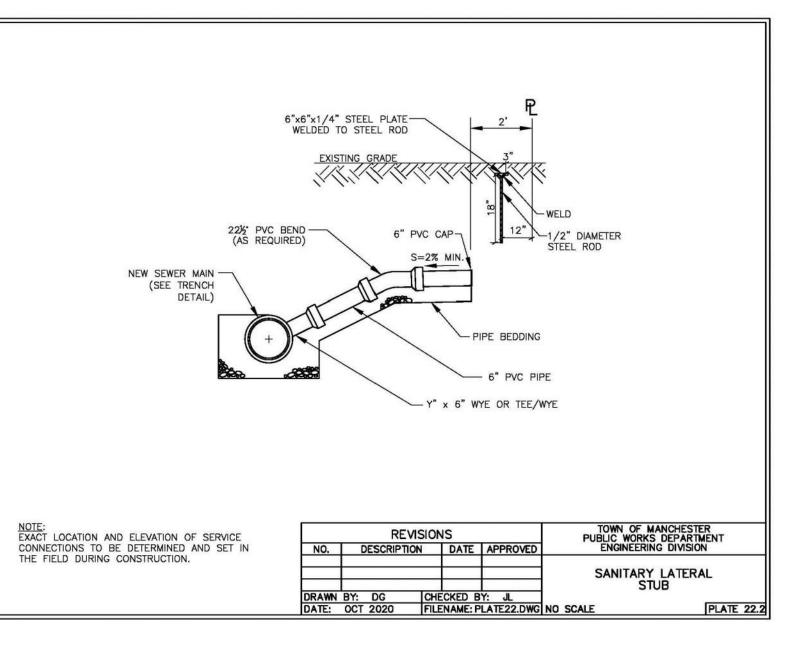


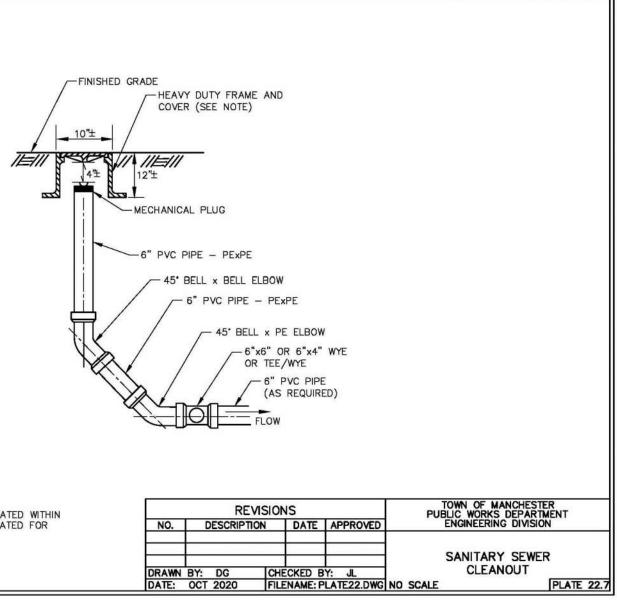


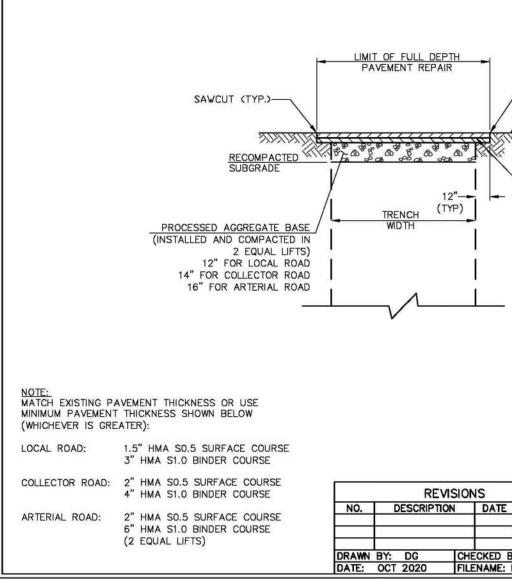
NOTE: FRAMES AND COVERS LOCATED WITHIN PAVED AREAS MUST BE RATED FOR H20 LOADING.



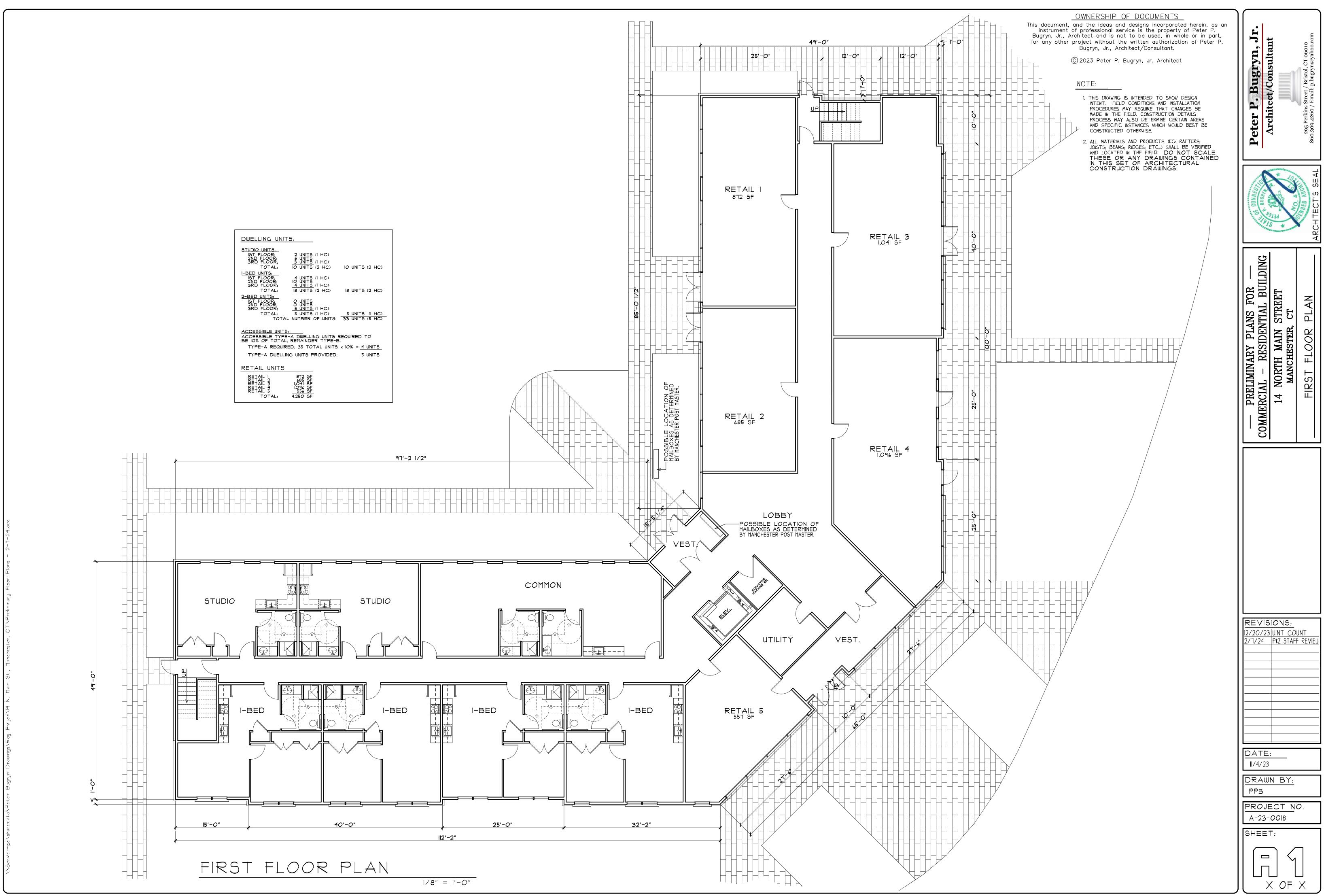


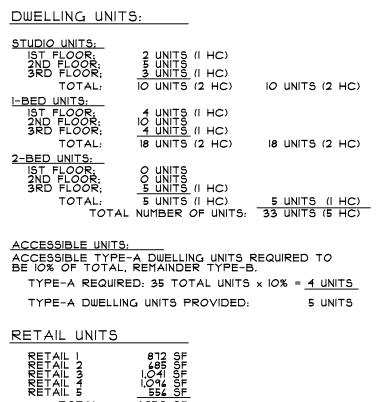


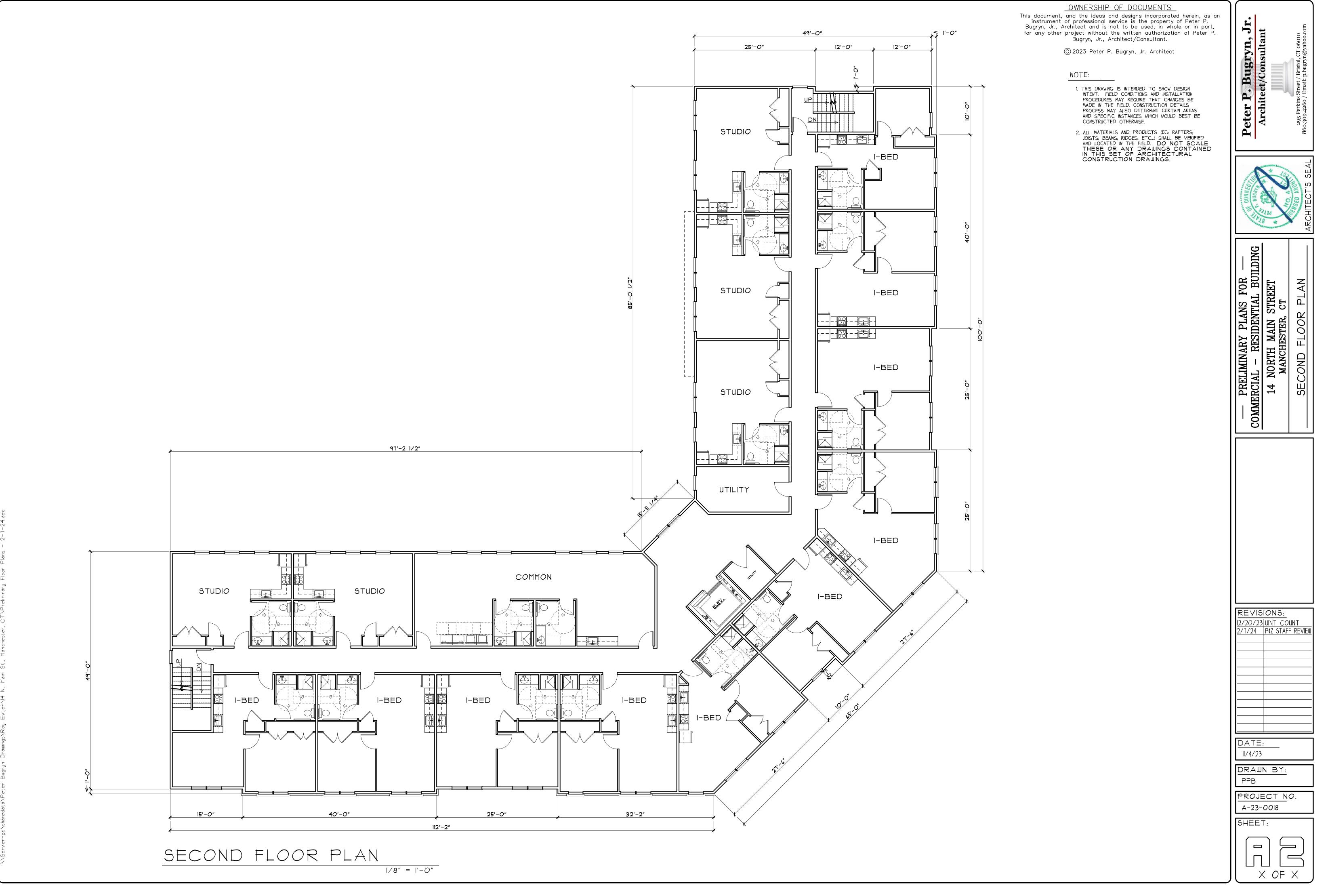


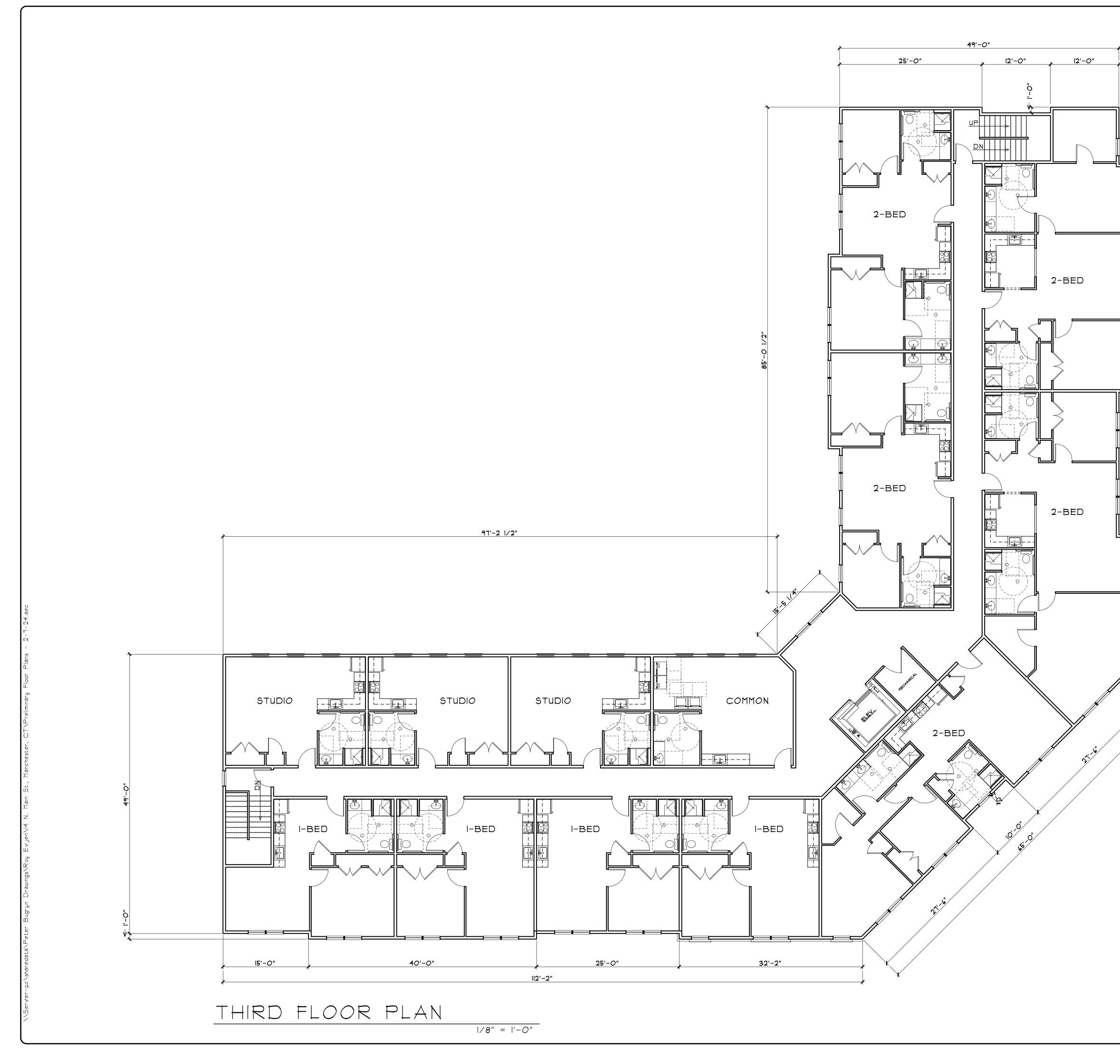


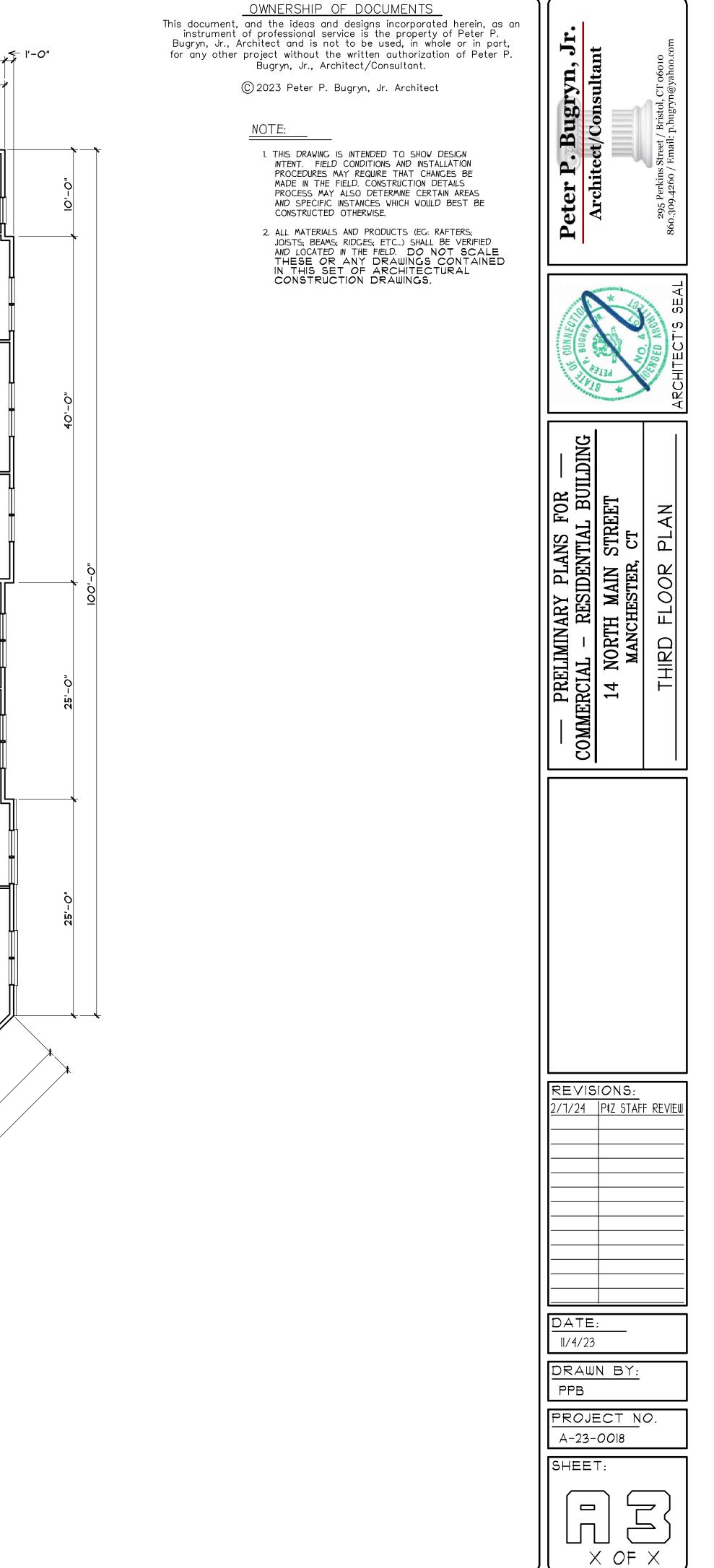
	ח	
QUIRED BUT NOT LESS 4'-6"		
		cole
MASONRY BLOCK		HARRY E. COLE & SON
		engineering, surveying, planning,
		876 South Main Street Tel: (860) 628-4484
		P.O. Box 44 Fax: (860) 620-0196 Plantsville, CT 06479 - 0044 www.hecole.com
TOWN OF MANCHESTER PUBLIC WORKS DEPARTMENT APPROVED ENGINEERING DIVISION		
WATER GATE VALVE		PROJECT NAME:
PLATE 19.0WG NO SCALE PLATE 19.4		
		PROPOSED
		MIXED-USE DEVELOPMENT
PAVEMENT JOINT SEALER APPLIED TO ALL SAWCUT EDGES OF PAVEMENT		14 North Main Street
-EXISTING PAVEMENT		Manchester, Connecticut
SEE NOTE FOR PAVEMENT TYPE AND THICKNESSES		
TYPE AND THICKNESSES		PREPARED FOR:
		3 SQUARED, LLC
TOWN OF MANCHESTER PUBLIC WORKS DEPARTMENT APPROVED ENGINEERING DIVISION		
PERMANENT PAVEMENT REPAIR		Sheet Description:
BY: JL PLATE1.DWG NO SCALE PLATE 1.5		
		DETAILS
		Scale:
		N.T.S.
		Data: December 20, 2023
		Date: December 20, 2023 Project #: 2521 F.B. #:
		Drawn By: BTP Approved By: MSL
		Revisions: Date: Descriptions:
		02/05/2024 Revised per Town Comments
	APPROVED	
	PLANNING AND ZONING	Sheet #:
	COMMISSION MANCHESTER, CT	
	ATE:	D3
	GNED:	

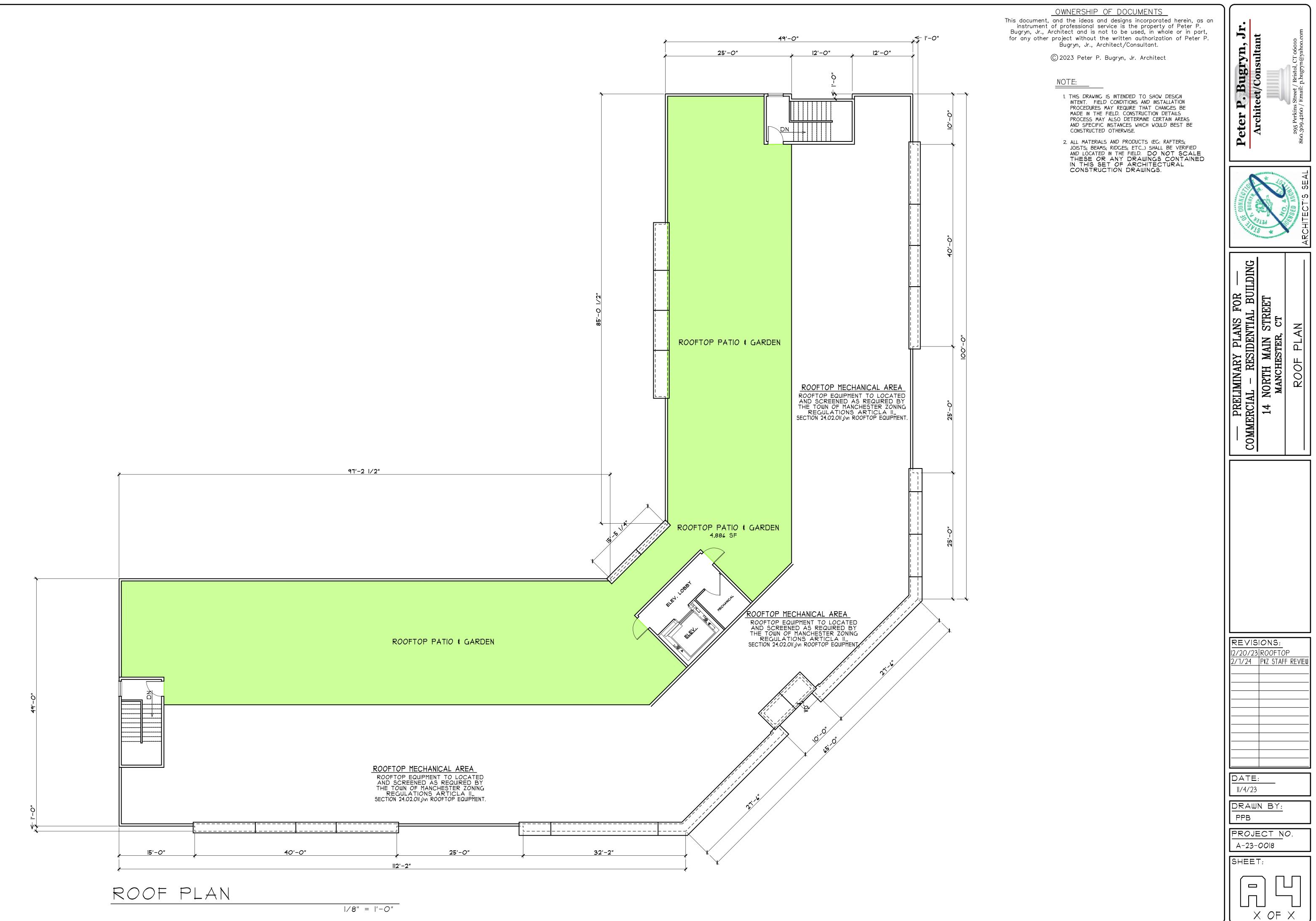


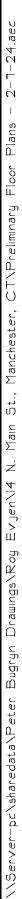














TOWN OF MANCHESTER PLANNING AND ECONOMIC DEVELOPMENT DEPARTMENT

TO: Planning & Zoning Commission

FROM: Megan Pilla, Principal Development Planner

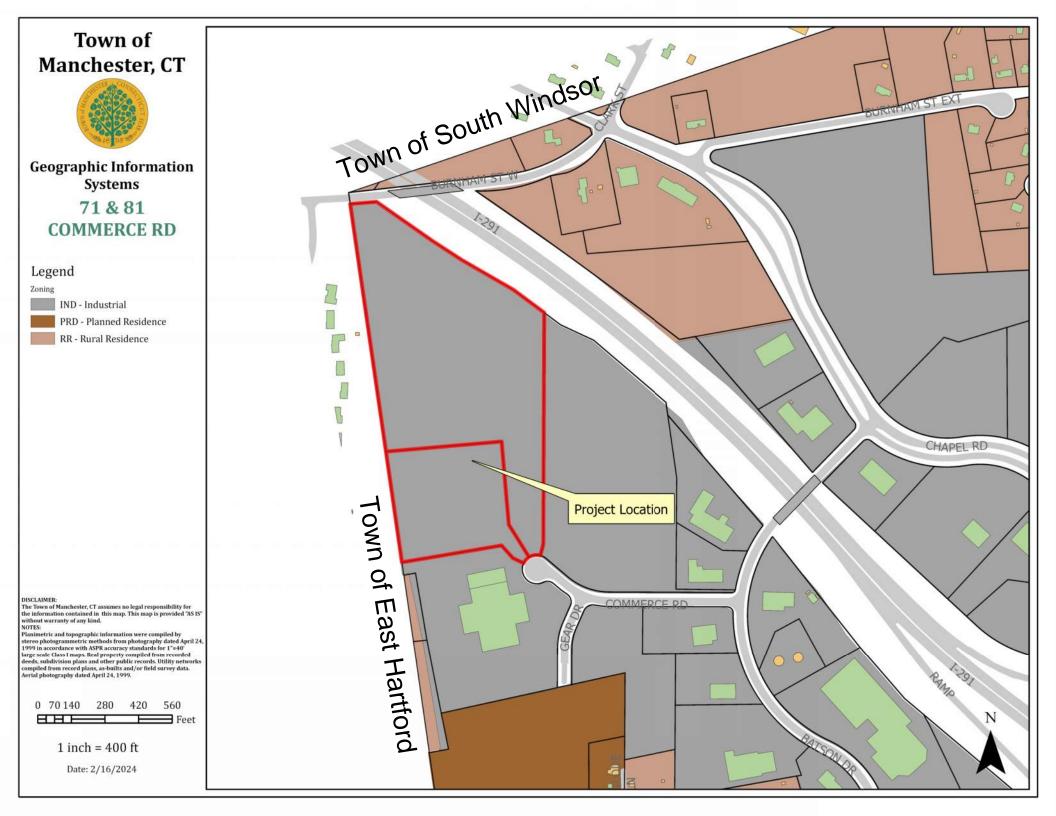
- **DATE:** February 16, 2024
- **RE:** TRA Consulting 71 & 81 Commerce Road Pre-application Review (PAR-0001-2024)

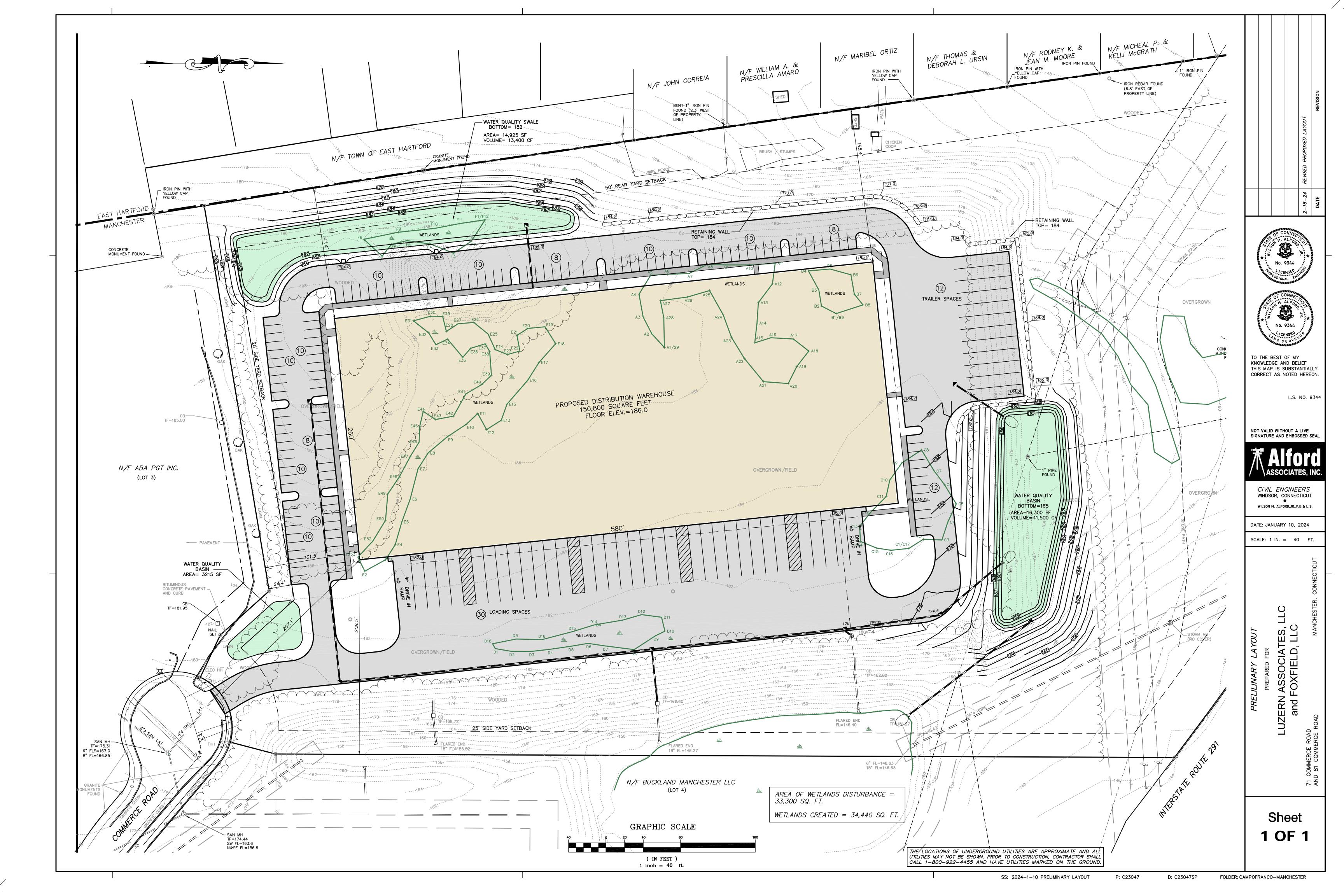
Introduction

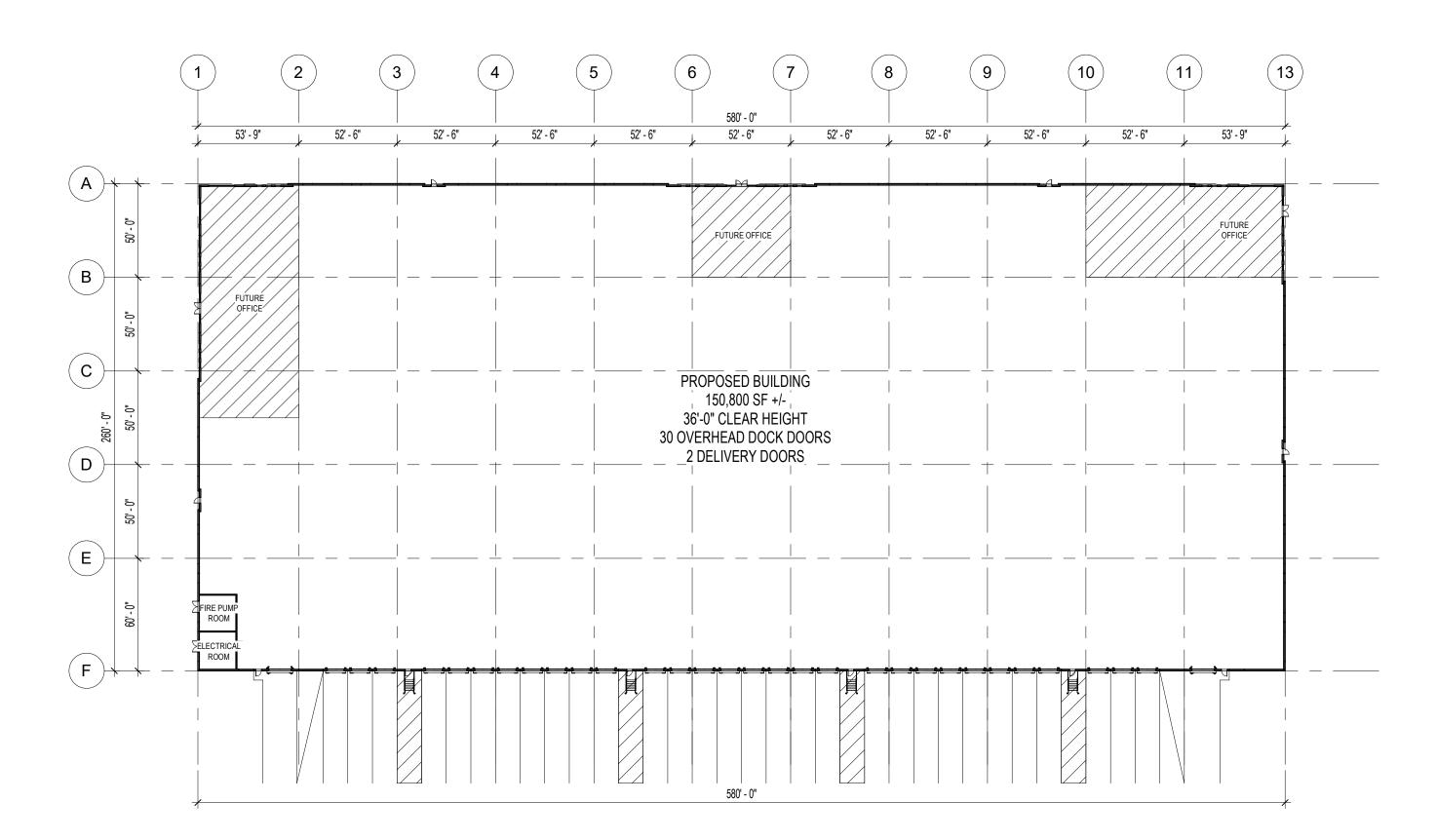
The applicant is seeking initial feedback on a possible proposal for development of a distribution warehouse at 71 & 81 Commerce Road. The parcel is located in the Industrial zone. Concept plans are attached.

As always, any discussion held during a pre-application review is non-binding for both the Commission and the applicant.

mp R:\Planning\PZC\2024\02 - February 21\Meeting Packet\PAR-0001-2024 (71-81 Commerce) - Memo.docx Attach.







A1.0 PROPOSED FLOOR PLAN





A2.0 OVERALL ELEVATIONS





A3.0 CORNER RENDER DRAFT





A4.0 CORNER RENDER DRAFT



TOWN OF MANCHESTER PLANNING AND ECONOMIC DEVELOPMENT DEPARTMENT

TO: Planning & Zoning Commission

FROM: Megan Pilla, Principal Development Planner

- **DATE:** February 16, 2024
- **RE:** Hartford Healthcare Corporation Pre-application Review (PAR-0002-2024)

Introduction

The applicant is seeking initial feedback on a possible proposal for a zoning regulation amendment pertaining to signage permitted on medical office buildings as described in the attached letter.

As always, any discussion held during a pre-application review is non-binding for both the Commission and the applicant.

mp R:\Planning\PZC\2024\02 - February 21\Meeting Packet\PAR-0002-2024 - Memo.docx Attach.



Matthew Ranelli mranelli@goodwin.com Phone: (860) 251-5748

Hartford One Constitution Plaza Hartford, CT 06103-1919

February 15, 2024

Mr. Eric Prause, Chair, and Commission Members Planning and Zoning Commission Town of Manchester 494 Main Street P. O. Box 191 Manchester, CT 06045-0191 Ms. Megan Pilla, PLA, ASLA Principal Development Planner Town of Manchester 494 Main Street P. O. Box 191 Manchester, CT 06045-0191

Re: <u>Pre-Application Review Pursuant to Section 7-159b of the General Statutes of a</u> <u>Proposed Amendment to Article VI, Section 13 of the Zoning Regulations;</u> <u>Hartford HealthCare Exterior Wall Signage, 376 Tolland Turnpike, Manchester</u>

Dear Chair Prause, Commission Members, and Ms. Pilla:

On behalf of Hartford HealthCare Corporation ("HHC"), we are requesting the opportunity to meet with the Commission for a pre-application review, pursuant to General Statutes § 7-159b, of a proposed amendment to Article VI, Section 13 of the Zoning Regulations regarding signage for medical care facilities. The pre-application process is non-binding, but would be very helpful to us to preview a draft zoning text amendment that we would like to propose.

HHC enhances access to healthcare throughout Connecticut. Its care-delivery network offers a unified high standard of care in crucial specialties at hospital and ambulatory healthcare centers, such as in Manchester, located in towns and cities across Connecticut. HHC's Manchester location at 376 Tolland Turnpike provides a range of medical services to Manchester residents and patients. HHC's healthcare centers are an essential component of its health care delivery network and making sure healthcare center locations are clearly marked with signage easily visible and known to the public is, of course, an equally important requirement.

Under Manchester's existing signage requirements in the Zoning Regulations, HHC is limited to a maximum wall sign area of 32 square feet because its building is located in the General Business zone and within 50 feet of the street (Tolland Turnpike). See § 13.07.01. But for the setback limitation, HHC could otherwise have a sign area of up to 456 square feet based on the linear footage of the face of the building. As a result, HHC currently has a small wall sign with very low visibility (see street view photo attached as Exhibit A).

February 15, 2024 Page 2

We understand the intent of the setback limitation on sign size as applied to typical properties oriented across the street from each other for example; however, HHC's site is unusual because there are no other parcels between it and I-84 but it technically does not "adjoin" I-84 because the Tolland Turnpike intervenes (*see* Exhibit B aerial view). Manchester's existing sign regulations provide several exceptions to various signage requirements for certain uses that "adjoin" restricted access highways such as I-84. For example, motels and gasoline service stations are allowed to have larger free-standing signs that would otherwise be permitted if the parcel is "adjoining" the highway. These exceptions make sense because they provide useful information to the public for the location of these services and the signs are situated along the highway corridor. Medical services are similar, if not more important, services and there is a public in knowing and easily finding the location of such services.

HHC would like to replace a portion of its current sign with a similar wall sign (*see* Exhibit C, 120.5 square foot wall sign drawing) to aid patients and the general public. HHC previously applied for a variance for relief from the 32 foot maximum sign area limit. Even though the HHC property is essentially abutting I-84, except for the intervening Tolland Turnpike, the Zoning Board of Appeals denied the variance application for lack of hardship. As a result, we would like to discuss with the Commission a proposed text amendment which would provide a very limited but worthy exception to the maximum signage limitation for medical services and located in a manner that would not undo the intent of the existing setback requirement.

We have taken the liberty of drafting a narrowly tailored proposed text amendment of the exception for discussion purposes as follows:

(NEW) Article IV, Section 13.10.06.04: Medical clinic, medical office and medical services building adjoining or abutting across the street a restricted access highway and zoned General Business may erect a wall sign facing the restricted access highway and not exceeding 200 square feet.

We look forward to the opportunity to present our pre-application request to you at your February 21, 2024 meeting. Please let us know if you would like any additional information in advance of that meeting.

Sincerely,

Matthew Ranelli

GMR:ekf

Attachments

c: David Webber, Esq., Senior Counsel, Hartford HealthCare (w/ att.) Jason Laabs, Hartford HealthCare (w/ att.)

EXHIBIT A Street View



EXHIBIT B Parcel View

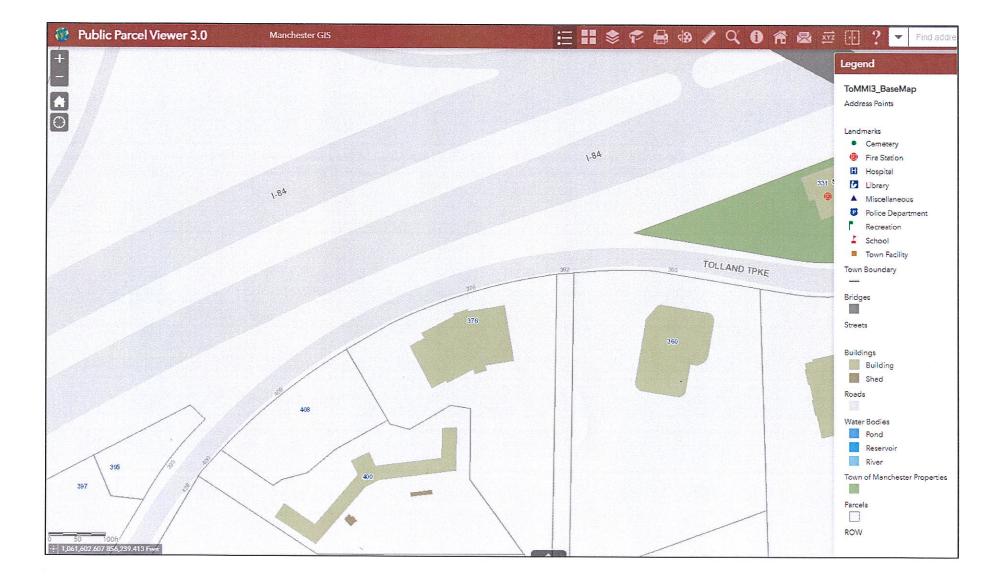
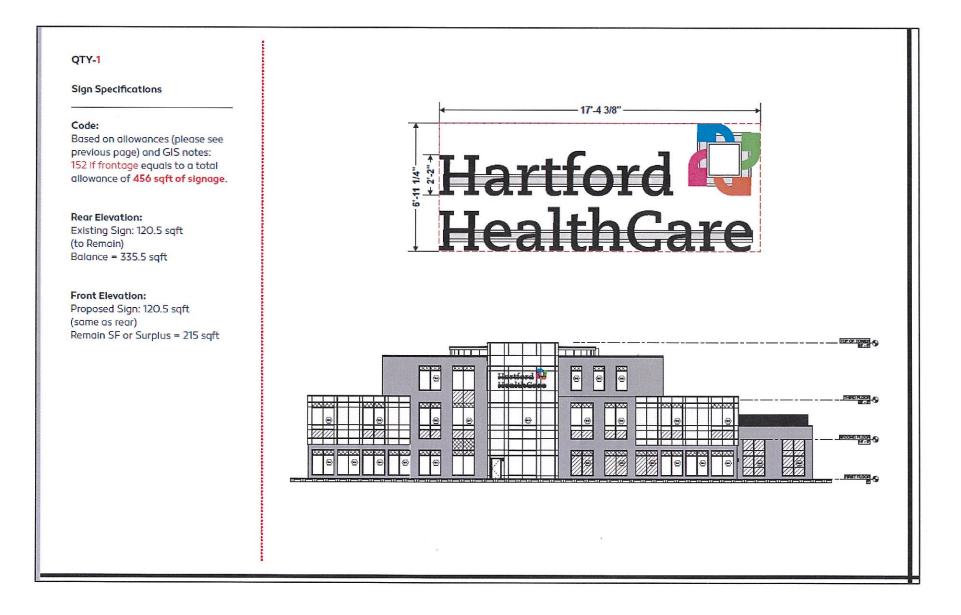


EXHIBIT C Example of 120.5 Square Foot Draft Wall Sign



TOWN OF MANCHESTER PLANNING AND ECONOMIC DEVELOPMENT DEPARTMENT

- **TO:** Planning & Zoning Commission
- **FROM:** Megan Pilla, Principal Development Planner MP
- **DATE:** February 16, 2024
- **RE:** Discussion Municipal fines for inland wetlands violations

Introduction

The attached draft of a possible ordinance proposal has been provided by Commissioner Farina for the purpose of discussion.

mp R:\Planning\PZC\2024\02 - February 21\Meeting Packet\Farina draft - Memo.docx Attach. Proposed Ordinance: Inland Wetlands Agency and Aquifer Protection Citations and Fines

Article I - Authority and Purpose

This ordinance is enacted under the authority of the Connecticut General Statutes §§ 22a-36 to 22a-45, inclusive, and the Town of Manchester Charter. It aims to preserve, protect, and regulate the wetlands and watercourses within the town boundaries.

Article II – Definitions [Is this redundant to definitions in Charter?]

Article III - Citation Authority and Procedure

The Inland Wetlands Agent or any duly authorized person as designated by the Town Manager, Board of Directors, or Inland Wetlands Commission of the Town of Manchester is empowered to issue citations for any violations of this ordinance. Citations may be served either by hand delivery or by certified mail, return receipt requested, to the person or entity named in the citation.

Article IV - Violations and Penalties

Any activity violating the regulations set forth by this ordinance, the Aquifer Protection Area Regulations, the Inland Wetland and Watercourse Regulations, or any order issued pursuant thereto, shall be subject to citation and fine.

Article V. Penalties for offenses; fines

A. Violations of Wetlands Regulations.

(1) The following fines may be assessed by citation for a violation of the Aquifer Protection Area Regulations, the Inland Wetland and Watercourse Regulations, or any order issued pursuant thereto:

(a) For conducting or allowing the conduct of any regulated activity within any portion of an inland wetland or watercourse without a permit or in violation of any permit, including deposition of any material, removing of any material, discharging, polluting, excavating, filling, draining, grading, clear-cutting, removal of vegetation, planting invasive vegetation, or other activities resulting in direct impacts, to any portion of an inland wetland or watercourse: a fine of \$1,000 for each offense.

(b) For conducting, permitting the conduct of, undertaking, permitting the existence of, or allowing any regulated activity outside of an inland wetland or watercourse without a permit or in violation of any permit which causes, directly or indirectly, pollution, draining/drying, erosion, filling, damage to native vegetation, or other negative impacts to an inland wetland or watercourse or any portion thereof: a fine of \$1,000 for each offense. (c) For noncompliance with permit conditions and/or limitations or with enforcement orders, where such noncompliance is not described in Article V(1)(a-b) of this section: a fine of \$1,000 for each offense.

(d) For conducting any other regulated activity without the issuance of a permit, where such activity is not described in Article V(1)(a-b) of this section: a fine of \$500 foreach offense.

(2) Each day on which a violation of the Wetlands Regulations continues to exist shall be deemed a separate and distinct violation.

(3) For repeated violations on the same property, fines shall be doubled to the extent permissible by law.

Article VI - Period for Uncontested Payment of Fines

Those persons or entities cited have a period of thirty days from receipt of the citation to make an uncontested payment of the fine. Such fines shall be made payable to the Collector of Revenue of the Town of Manchester. If such fine is not paid within the thirty-day period, further actions may be taken pursuant to Section 7-152c of the Connecticut General Statutes.

Article VII - Appeals and Hearing Procedures

Any person or entity cited wishing to contest a citation may request a hearing before the Citation Hearing Officer within thirty days of receipt of the citation. Hearing procedures shall be established in accordance with the provisions of Section 7-152c of the Connecticut General Statutes.

Article VIII - Citation Hearing Officers

The Town Manager shall appoint an impartial Citation Hearing Officer to conduct hearings. No person with a personal conflict of interest shall serve as a Citation Hearing Officer. The Inland Wetlands Agent, Zoning Enforcement Officer, or any current member of the Planning and Zoning Commission or Inland Wetlands Agency may not be appointed as a Citation Hearing Officer.

Article IX - Remedies Not Exclusive

The remedies provided by this ordinance are not exclusive and shall be in addition to any other remedies available under state law or other municipal ordinances.

Article X - Severability

If any part of this ordinance is declared invalid by a court, the remainder shall not be affected and shall continue in full force and effect.

Article XI - Effective Date

This ordinance shall take effect upon passage by the Board of Directors.

Adoption

This ordinance is hereby adopted by the Board of Directors of the Town of Manchester, Connecticut, on [Adoption Date], and shall be published as required by law.

DRAFT

TOWN OF MANCHESTER MINUTES OF PUBLIC HEARING HELD BY THE PLANNING AND ZONING COMMISSION/ INLAND WETLANDS AND WATERCOURSES AGENCY FEBRUARY 5, 2024

MEMBERS PRESENT:

In Person:

Eric Prause, Chairman Patrick Kennedy, Vice Chairman Michael Stebe, Secretary Teresa Ike Chris Schoeneberger Daniela Luna Michael Farina

ALTERNATES PRESENT:

In	Person:	Zachary Schurin
ABSENT:		Maliha Ahsan Bonnie Potocki
ALSO PRESENT:		

Megan Pilla, Principal Development Planner	
Anderson, Director of Planning & Economic	
pment	
Laiuppa, Environmental Planner/Wetlands	
Martel, Recording Secretary	

The Chairman opened the Public Hearing at 7:00 P.M. The Secretary read the legal notice when the call was made.

<u>AYR WELLNESS – Special exception under Art. II, Sec. 24.02.01(n) for a cannabis retail use at 185 Spencer Street. – Special Exception (PSE-0057-2023)</u>

Attorney Stephen Penny introduced himself as representing the applicant. Attorney Penny detailed the property location, size, abutters, and public utilities.

The regulations of the General Business zone were reviewed by Attorney Penny. The regulations set forth regarding a cannabis retailer are met with the application. The proposed use also meets the goals of the Manchester Plan of Conservation and Development. The proposal will keep an empty building in productive use.

Attorney Penny stated that the project involves the readaptive use of the former Starbucks with no changes to the building or site work.

Mr. Andrew Bushnell, Professional Engineer/Licensed Land Surveyor, Bushnell Associates, introduced himself. Mr. Bushnell was not aware of any changes to the property aside from signage. The specifications of the property, surrounding area, public utilities, and shared driveway were detailed.

Current landscaping, lighting, parking, shared utilities, and catch basins were noted, all of which are in working order.

Mr. Bill Vliet, Vliet & O'Neill, introduced himself. Mr. Vliet addressed the Town Traffic Engineer's concerns, namely the queuing problem and morning peak hour traffic operations. There will no longer be a morning rush hour associated with this site. He noted that the drive-through, which can easily accommodate 10 stacked cars, will be utilized for appointment-based orders. The trip report's worst-case scenario estimates 35 vehicles entering and 35 vehicles exiting the property per hour, which is significantly less than Starbucks had. Mr. Vliet reported that there are no issues with access and roadway capacity with the signalized operations of the driveway intersection with Spencer Street or Hillstown Road.

After a question from Mr. Prause, Ms. Tenisha Victor, Vice-President of Market Expansion, reported that deliveries will take place through a door located by the drive-through window. During delivery time, the facility would be shut down. The security guard will assist in the deliveries. The delivery hours will vary. She explained that this will be the first location in Connecticut, though they operate across eight markets in the country, about 90 facilities currently.

Responding to a request from Mr. Prause, Mr. Vliet commented that, at this time, there are no plans for a specific employee parking location.

Attorney Amanda Ostrowitz stated that there is an employee public transportation incentive program, but noted that there is adequate parking. Due to state legislation, the signage will be well-lit and down facing.

Mr. Vliet reiterated that the morning peak hour congestion has been eliminated, and the signal is traffic responsive.

Ms. Pilla reported that the required parking spaces are based on the square footage of the building and the plan is well above the number required.

A general discussion was held regarding the parking and traffic flow regarding the southern parking area. Attorney Ostrowitz suggested signage indicating the southern parking lot is for employee and handicapped parking only, with signage directing customers to the rear of the building.

Mr. Stebe commented on the Popeye's traffic conflicts and suggested the traffic be a loop. A discussion commenced with Mr. Vliet.

After a question from Mr. Schoeneberger, Ms. Victor detailed the process and flow of the drive-through.

Ms. Luna requested clarification of the number of employees per shift and the incentive programs, which were explained. Ms. Victor noted that it all depends on the geographic location and the accessibility of mass transit.

Mr. Kennedy observed that the plan will reduce the traffic issues from the previous operation. Mr. Vliet reiterated that the traffic report utilized a much larger number of vehicles than will actually visit.

Attorney Tiana Hercules, Criminal Defense Attorney, Hartford reported that she is partnered with AYR on all the Connecticut projects. Attorney Hercules explained that criminal justice and re-entry are huge passions of hers. They are in the process of their third pardons clinic to help individuals clear their criminal records for free. She explained the success of that program as well as others, including cannabis education. She reported that she has been in talks with the Squire Village community to initiate programs based on needs.

Mr. Schoeneberger asked whether there have been security issues that will influence the security plans for the location. Ms. Victor said they have had no break-ins throughout their 90 locations, and Connecticut has very strict security regulations.

Ms. Luna asked how an individual would apply for the community outreach programs. Attorney Hercules explained that the word is spread via social media, colleges, and libraries. The steps to request services were detailed.

Attorney Penny cited letters from people associated with the programs Attorney Hercules explained. He concluded that the project conforms with the regulations by:

- Suitable location for use/neighborhood compatibility
- Adequate streets for use
- Adequate parking and access
- Adequate public utilities
- Suitable structures for use
- Environmental protection and conservation

Ms. Pilla reported only one outstanding comment, which is the addition of a utility label on the site plan. The Police Department requested the removal of a statement, which has already been done. There is one outstanding comment regarding a label.

Ms. Ike asked whether notifications were sent to abutters and Ms. Pilla reported that they were sent to property owners. There were also signs and the legal notice.

Attorney James Zimmer, Jacobs, Walker, Rice & Barry, introduced himself, stating that he represents the owners of the abutting apartment building, Apex 191. He explained that his client does not believe this is an appropriate location for a cannabis dispensary. They contend that the use is not compatible with other existing uses in the area, particularly the adjacent apartments. Since the property was converted to a multi-family residential property and has a shared driveway, many individuals may not want to live in proximity to this business. He noted that the

hours of operation are to be from 9:00 A.M. to 8:00 P.M. Monday through Sunday. Attorney Zimmer remarked about the traffic and parking on the property, speculating on the potential difficulty for emergency vehicles.

Ms. Pilla read letters of support from Ian Wilson, 84 Lyness Street and Keren Prescott, Founder of PowerUp Connecticut and PowerUp Manchester, and Executive Director of the EmpowerU program.

Ms. Luna inquired whether reinvestment in the community is a requirement of cannabis dispensaries. Attorney Hercules stated that part of her reason for involvement in the cannabis industry is the requirement for a social equity plan on all sites, retail and cultivation.

Mr. Anderson stated that those are state requirements which go through the state licensing process.

Attorney Penny reiterated that the amount of traffic associated with this business will be approximately one-third that of Starbucks. Regarding security concerns, the applicant's representatives have indicated that they have not had security issues, noting that the site is under camera monitoring 24 hours a day.

Attorney Ostrowitz clarified that the hours of operation are 10:00 A.M. to 8:00 P.M. The average site visit time is 7 minutes for a walk-in customer and 4 minutes for a pre-order. She commented that these facilities are built to be a fortress with no exterior advertisements visible to the public; no one can see into the facility and individuals cannot enter the building and sales floor if underage.

Ms. Luna stated her concerns over the number of parking spaces, and she does not believe employee incentivizing will be successful in reducing the parking needs.

Mr. Vliet reiterated that he and Jim Mayer, the Town Traffic Engineer, used the worst case for the number of vehicles, and explained how the numbers were reached.

Mr. Stebe referred to the two cannabis operations in Manchester and noted the concerns when they were approved. He asked whether there have been any issues reported since opening.

Mr. Anderson stated that the Chief of Police noted no issues whatsoever.

Ms. Luna asked why AYR chose Manchester and whether they sought to open in other towns.

Attorney Ostrowitz responded that she handles site selection strategy. She explained the analysis going into the decision for this town and this property. The factors involved were explained in detail by Attorney Ostrowitz. After questions from Ms. Luna, she explained why their location will be preferable over the Buckland area operations, and detailed the many other locations she has sited.

Mr. Prause asked how the traffic counts were captured. Mr. Vliet stated that they looked at other AYR facilities and contoured their counts to the size of this location.

MOTION: Mr. Kennedy moved to close the Public Hearing. Mr. Schoeneberger seconded the motion and all members voted in favor.

The public hearing was closed at 8:40 P.M.

I certify these minutes were adopted on the following date:

Date

Eric Prause, Chairman

NOTICE: A DIGITAL RECORDING OF THIS PUBLIC HEARING CAN BE HEARD IN THE PLANNING DEPARTMENT.

DRAFT

TOWN OF MANCHESTER MINUTES OF BUSINESS MEETING HELD BY THE PLANNING AND ZONING COMMISSION/ INLAND WETLANDS AND WATERCOURSES AGENCY FEBRUARY 5, 2024

MEMBERS PRESENT:

In Person:

Eric Prause, Chairman Patrick Kennedy, Vice Chairman Michael Stebe, Secretary Teresa Ike Chris Schoeneberger Daniela Luna Michael Farina

ALTERNATES PRESENT:

In Person: Zachary Schurin

ABSENT:

Maliha Ahsan Bonnie Potocki

ALSO PRESENT:

In Person: Megan Pilla, Principal Development Planner Gary Anderson, Director of Planning & Economic Development Electronically: David Laiuppa, Environmental Planner/Wetlands Agent Nancy Martel, Recording Secretary

The Chairman opened the Business Meeting at 8:40 P.M.

<u>AYR WELLNESS – Special exception under Art. II, Sec. 24.02.01(n) for a cannabis retail use at 185 Spencer Street. – Special Exception (PSE-0057-2023)</u>

Special Exception (PSE-0057-2023)

MOTION: Mr. Kennedy moved to approve the special exception under Art. II, Sec. 24.02.01(n) to allow a cannabis retail use at 185 Spencer Street, with the modifications as specified in a staff memorandum from:

1. Megan Pilla, Principal Development Planner, dated January 29, 2024.

Mr. Stebe seconded the motion.

Mr. Farina suggested the Planning Department change those notified of public hearings from homeowners to residents.

Ms. Luna expressed her concern about parking and traffic and will not support the motion.

Mr. Kennedy noted that, in his opinion, this is the best option from a traffic standpoint and is an adaptive reuse. If this application is denied, this location lends itself to a fast-food type of operation, which would have a higher traffic count. The regulations do not state that this use cannot be near an apartment building. The Commission is tasked with ensuring it meets zoning regulations, which this does.

Ms. Pilla stated that, since the applicant agreed on the record to comply with the hours of operation, it is implied, and a condition would be redundant. The Zoning Enforcement Officer will sign off before a Certificate of Occupancy is issued.

Mr. Prause summarized that the location is on an arterial road, in a mixed-use development, and matches well with the intentions of the Plan of Conservative and Development. The use seems to be an overall traffic improvement. He suggested a modification to add signage to the southern parking lot for employee parking.

MOTION: Mr. Farina moved to amend the motion to add another modification: That signage be added to the southern 4 parking spaces to be marked as employee parking. Mr. Stebe seconded the motion. Mr. Prause, Mr. Kennedy, Mr. Stebe, Ms. Ike, and Mr. Farina voted in favor of the motion. Mr. Schoeneberger voted against the motion. Ms. Luna abstained. The motion to amend the motion passed five to one.

Mr. Prause, Mr. Kennedy, Mr. Stebe, Ms. Ike, Mr. Schoeneberger, and Mr. Farina voted in favor of the amended motion. Ms. Luna voted against the motion. The motion passed six to one.

The reason for the approval is that the proposed activity meets the special exception criteria in Article IV, Section 20, as well as the specific criteria for cannabis establishments outlined in Article II, Section 24.02.01(n).

HILLIARD MILLS LLC – Changes to previously approved PZC plans at 640 & 642 Hilliard Street and 370 Adams Street, for renovation of buildings 5 & 6 and various site improvements. – Special Exception Modification (PSE-0055-2023) – *Request for 65-day Extension*; Flood Plain Permit (FLDP-0005-2023) – *Request for 65-day Extension*

<u>Special Exception Modification (PSE-0055-2023) – Request for 65-day Extension Flood Plain</u> <u>Permit (FLDP-0005-2023) – Request for 65-day Extension</u>

MOTION: Mr. Kennedy moved to approve the requests for 65-day extensions, to April 12, 2024. Mr. Farina seconded the motion and all members voted in favor.

ADMINISTRATIVE REPORTS

Ms. Pilla reported that the next training session will be prior to the regular meeting of February 21, 2024. She inquired whether the members would prefer to hold it at another meeting because of the number of items on the agenda. The consensus was to move the training session to March 18th.

Mr. Anderson commented that the Commission should review the public hearing notification process.

Mr. Laiuppa noted an administrative approval of the modification to the wetland application for the Tesla charging station at 234 Tolland Turnpike. Regarding the 260 Tolland Turnpike Cease and Correct order, the actions have ceased, silt fences are up, and they are reaching out to the soil scientist to perform a wetland delineation and design for the mitigation plan.

Mr. Schoeneberger reported that he recently attended a Freedom of Information seminar. He suggested the Commission members utilize an email established rather than utilizing their personal emails.

APPROVAL OF MINUTES

January 17, 2024 – Public Hearing/Business Meeting

MOTION: Mr. Kennedy moved to approve the minutes as written. Mr. Farina seconded the motion and all members voted in favor.

RECEIPT OF NEW APPLICATIONS

- 1. <u>AVR WELLNESS Special Exception (PSE-0057-2023)</u> For a special exception under Art. II, Sec. 24.02.01(n) for a cannabis products retailer use at 185 Spencer Street.
- <u>3 SQUARED, LLC Special Exception (PSE-0058-2023); Erosion & Sedimentation</u> <u>Control Plan (ESC-0001-2024)</u> – For a special exception under Art. II, Sec. 24.02.01(j) for a mixed-use multi-family development at 14 North Main Street.
- 3. <u>TOWN OF MANCHESTER PLANNING & ZONING COMMISSION Zoning</u> <u>Regulation Amendment (REG-0001-2024)</u> – Proposed regulation amendment to allow the conversion of vacant school buildings to multi-family residential.

MOTION TO ADJOURN: Mr. Kennedy moved to adjourn the Business Meeting. Mr. Schoeneberger seconded the motion and all members voted in favor.

The Business Meeting was closed at 9:10 P.M.

I certify these minutes were adopted on the following date:

Date

Eric Prause, Chairman

NOTICE: A DIGITAL RECORDING OF THIS BUSINESS MEETING CAN BE HEARD IN THE PLANNING DEPARTMENT.

CONNECTICUT FEDERATION OF PLANNING AND ZONING AGENCIES **OUARTERLY NEWSLETTER**

Winter 2024

Volume XXVIII, Issue 1

ROAD WIDTH REGULATION CAN BE SATISFIED BY DEDICATION OF UNSUITABLE LAND

When can land that is totally unsuitable for use as a roadway be utilized to satisfy a road width requirement. It can where the requirement is not just to meet public highway needs but also to insure spacing of buildings. The zoning regulation in question stated that new streets must be fifty feet wide and that front yard and side yard requirements are measured from the edge of the fifty-foot street. The regulation stated further that for every one foot less that a street does not meet this requirement, one-half foot shall be added to each side yard requirement.

A decision by the Commission to approve a 2-lot subdivision was appealed to court because the dedicated road, while meeting the fifty-foot width requirement, would actually only be the same width as the existing twelve-footwide paved accessway. To comply with the road width requirement in the regulations, the dedicated road would incorporate wetlands areas. It was agreed by all parties that the existing paved road would not be widened and that the inclusion of the wetland areas was done solely to meet the fifty-foot road width requirement.

In dismissing the appeal, the court agreed with the Commission that the purpose of the regulation was not

SAVE THE DATE – 2024 ANNUAL CONFERENCE

The Federation will hold its Annual Conference on March 28, 2024 at the Aqua Turf Country Club in Plantsville CT. The event starts at 5:00 p.m. The program for the Conference will include a presentation on Air BnB Regulation as well as the 2024 Land Use Legislative Agenda. Flyers announcing the event will be sent to all members later this month. Attendees will be entitled to receive credit for One Hour of Training as well as enjoy a wonderful dinner.

focused only on establishing the travel width of a road but also to establish a point where front yard and side yards could be measured for the purpose of establishing a more uniform setback for buildings. This equally important purpose provided a basis for the Commission to find compliance with its road width requirement. *Kerlin v. Planning & Zoning Commission, 222 Conn. App. 216 (2023).*

RESIDENCY REQUIREMENT FOR AIR BnB_UNCONSITUTUIONAL

Concerned about the growth of the short-term vacation rental business in its single-family neighborhoods, a city passed a land use ordinance that would limit who could engage in this business. The concern was based upon the belief that short-term vacation home rentals

Written and Edited by Attorney Steven E. Byrne 270 Farmington Ave., Farmington CT 06032 Tel. (860) 677-7355 Fax. (860) 677-5262 <u>attysbyrne@gmail.com</u> <u>cfpza@live.com</u>

CONNECTICUT FEDERATION OF PLANNING AND ZONING AGENCIES QUARTERLY NEWSLETTER

Winter 2024

Volume XXVIII, Issue 1

were negatively affecting the character and livability of the city's residential neighborhoods and limiting the availability of workforce housing. The ordinance sought to limit this business activity to those single-family homes that were the primary residence of the property's owner. Many of the shortterm vacation rental properties were owned by out-of-state people who rented their property when they weren't using it themselves as a vacation home. These out-of-state owners formed the South Lake Tahoe Property Owners Group and challenged the ordinance on the basis it was unconstitutional.

The constitutional argument was that the ordinance violated the dormant commerce clause of the federal constitution in that it discriminated against out-of-state property owners in favor of resident property owners. By doing this, the ordinance placed an undue burden on interstate commerce, something which the federal constitution prohibits unless it can be demonstrated that the ordinance serves a legitimate government purpose and this could not be done in a nondiscriminatory way. viewed the residency The court requirement as discriminatory on its face as it mandated differential treatment of in-state and out-of-state interests that benefited the former and burdened the later. See South Lake Tahoe Property Owners Group v. City of South Lake Tahoe, 92 Cal. App. 735 (2023).

SOLID WASTE FACILITIES CANNOT BE PROHIBITED

Connecticut General Statutes Sec. 22a-208b provides in relevant part that no municipal zoning regulation shall have the effect of prohibiting the construction, alteration of operation of solid waste facilities within the limits of the municipality. When a city's planning and zoning agency denied a site plan application to construct and operate a solid waste transfer station, the applicant appealed to court on the basis that this denial violated this state statute.

The planning and zoning commission stated that its denial was based on the fact that the requested use was not permitted by the zoning regulations but that this was not a violation of the state statute as the Commission allowed two similar uses to continue as nonconforming uses and the zoning regulations allowed wood waste processing, which it claimed is a type of solid waste facility.

The court rejected both of these Allowing nonconforming arguments. uses to continue is not the same as not prohibiting the same uses in the zoning regulations. Nonconforming uses are allowed to continue due to Connecticut General Statues Sec. 8-2 and not by municipal zoning operation of regulations. The zoning regulations as written clearly prohibited solid waste facilities within the city except for one particular type. The court found this to

Written and Edited by Attorney Steven E. Byrne 270 Farmington Ave., Farmington CT 06032 Tel. (860) 677-7355 Fax. (860) 677-5262 <u>attysbyrne@gmail.com</u> <u>cfpza@live.com</u>

CONNECTICUT FEDERATION OF PLANNING AND ZONING AGENCIES QUARTERLY NEWSLETTER

Winter 2024

Volume XXVIII, Issue 1

be a clear violation of Connecticut General Statutes Sec. 22a-208b which allows for the regulation, but not the prohibition of solid waste facilities by municipal zoning agencies. See MSW Associates LLC v. Planning & Zoning Department, 202 Conn. App. 707 (2021).

HARM TO SCENIC VIEWS AND NATURAL ENVIRONMENT OUTWEIGHED BY NEED FOR ADEQUATE CELL COVERAGE.

An application to erect a 140foot-tall telecommunications tower was submitted to the Connecticut Siting Council. The proposed tower would be located in a scenic rural area with a residential neighborhood located nearby. In reviewing the application, the Siting Council was required to decide whether fulfilling the public need for adequate wireless service outweighed the adverse impact the tower would have on the scenic and natural environment around the site.

In this case, the evidence before the Council demonstrated that the need to provide adequate uniform cell coverage in this rural area outweighed the need to preserve the scenic area and natural environment as well as concerns over harm to a nearby residential neighborhood. Therefore, it was proper for the Council to approve the application. See Woodbridge Newton Neighborhood Trust v. Siting Council, HHB-CV-22-6070603.

ANNOUNCEMENTS

Lifetime Achievement Award and Length of Service Award

Nomination forms will be sent out later this month for these awards which will be presented to recipients at the Federation's annual conference. You should begin your process of finding eligible nominees now.

Workshops

Connecticut law now requires that every land use agency member receive 4 hours of training every two years. At the price of \$200.00 per session for each agency attending, our workshops are an affordable way for your board to 'stay legal'. Each workshop attendee will receive a booklet which sets forth the 'basics' as well as a booklet on good governance which covers conflict of interest as well as how to run a meeting and a public hearing.

ABOUT THE EDITOR

Steven Byrne is an attorney with an office in Farmington, Connecticut. A principal in the law firm of Byrne & Byrne LLC, he maintains a strong focus in the area of land use law and is available for consultation and representation in all land use matters both at the administrative and court levels.

Written and Edited by Attorney Steven E. Byrne 270 Farmington Ave., Farmington CT 06032 Tel. (860) 677-7355 Fax. (860) 677-5262 <u>attysbyrne@gmail.com</u> <u>cfpza@live.com</u>

BOOK	ORDER FORM	
Name of Agency:		
Person Making Order:		
Address:		
Purchase Order No.:		
"PLANNING AND ZONING IN CONNECTIC	UT"	
at \$ 35.00 each for members at \$ 40.00 each for nonmembers	Copies	\$
"CONNECTICUT ZONING BOARD OF APPE	EALS"	
at \$ 30.00 each for members at \$ 35.00 each for nonmembers	Copies	\$
at \$ 55.00 each for nonmembers		
"WORKSHOP BOOKLETS" at \$12.00 each fo	r members & \$16.00 e	ach for nonmembers
Planning & Zoning Commissions	Copies	\$
Zoning Board of Appeals	Copies	\$
Inland Wetlands & Watercourses	Copies	\$
Historic District Commissions	Copies	\$
TOTAL DUE:		s

TOTAL DUE:

Please make check payable to: Connecticut Federation of Planning & Zoning Agencies

CONNECTICUT FEDERATION OF PLANNING & ZONING AGENCIES P.O. Box 1065 270 Farmington Avenue Farmington CT 06034

HARTFORD CT 060

7 FEB 2024 - PM-2



RECEIVED PLANNING DEPARTMENT

FEB 0 9 2024

TOWN OF MANCHESTER

Manchester Planning & Zoning Commission 41 Center Street Manchester, CT 06045